

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013214.D
 Acq On : 24 Oct 2019 16:15
 Operator : JC/SP
 Sample : K5532-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Quant Time: Oct 25 01:21:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	81235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	117522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	120289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	84668	49.83	ug/l	0.00
Spiked Amount						
			Recovery	=	99.66%	
35) Dibromofluoromethane	5.49	113	68367	52.17	ug/l	0.00
Spiked Amount						
			Recovery	=	104.34%	
50) Toluene-d8	8.71	98	244276	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	97041	50.48	ug/l	0.00
Spiked Amount						
			Recovery	=	100.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	79974	48.790	ug/l	99
3) Chloromethane	1.32	50	64071	47.514	ug/l	95
4) Vinyl Chloride	1.40	62	96816	65.631	ug/l	98
5) Bromomethane	1.63	94	31050	39.712	ug/l	98
6) Chloroethane	1.71	64	43973	53.441	ug/l	97
7) Trichlorofluoromethane	1.92	101	120652	51.820	ug/l	97
8) Diethyl Ether	2.18	74	39760	49.802	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72447	50.254	ug/l	99
10) Methyl Iodide	2.50	142	70005	39.356	ug/l	100
11) Tert butyl alcohol	3.03	59	87336	236.885	ug/l	99
12) 1,1-Dichloroethene	2.36	96	73551	53.150	ug/l	98
13) Acrolein	2.28	56	49055	246.080	ug/l	98
14) Allyl chloride	2.72	41	105542	48.445	ug/l	99
15) Acrylonitrile	3.13	53	187278	250.067	ug/l	99
16) Acetone	2.44	43	172559	215.573	ug/l	97
17) Carbon Disulfide	2.56	76	172383	46.335	ug/l	100
18) Methyl Acetate	2.76	43	88579	50.665	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	242261	49.713	ug/l	99
20) Methylene Chloride	2.84	84	76380	51.019	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	460394	317.183	ug/l	91
22) Diisopropyl ether	3.84	45	209060	49.077	ug/l	95
23) Vinyl Acetate	3.80	43	925062	255.496	ug/l	99
24) 1,1-Dichloroethane	3.69	63	129341	49.364	ug/l	99
25) 2-Butanone	4.66	43	253524	236.164	ug/l	96
26) 2,2-Dichloropropane	4.58	77	118394	48.892	ug/l #	33
27) cis-1,2-Dichloroethene	4.59	96	1066294	629.167	ug/l	89
28) Bromochloromethane	5.00	49	35364	52.343	ug/l	96
29) Tetrahydrofuran	5.11	42	157616	243.584	ug/l	99
30) Chloroform	5.20	83	139459	49.991	ug/l	97
31) Cyclohexane	5.57	56	110630	50.347	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	127656	51.465	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103866	52.803	ug/l	99
37) Ethyl Acetate	4.82	43	96931	49.495	ug/l #	80
38) Carbon Tetrachloride	5.78	117	109661	50.483	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121548	48.312	ug/l	98
40) Benzene	6.14	78	293368	49.698	ug/l	98
41) Methacrylonitrile	5.03	41	54481	51.888	ug/l	99
42) 1,2-Dichloroethane	6.18	62	115713	51.991	ug/l	99
43) Isopropyl Acetate	6.43	43	163461	50.271	ug/l	100
44) Trichloroethene	7.21	130	2367004	1412.841	ug/l	96
45) 1,2-Dichloropropane	7.51	63	72179	48.820	ug/l	97
46) Dibromomethane	7.65	93	52350	49.146	ug/l	98
47) Bromodichloromethane	7.89	83	108017	52.035	ug/l	99
48) Methyl methacrylate	7.76	41	79851	49.686	ug/l	100
49) 1,4-Dioxane	7.73	88	36033	880.944	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	492792	248.641	ug/l	100
52) Toluene	8.78	92	192604	49.234	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	117270	53.160	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	126193	52.293	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	77495	50.105	ug/l	99
56) Ethyl methacrylate	9.17	69	119473	51.324	ug/l	100
57) 1,3-Dichloropropane	9.37	76	127083	48.697	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	39209	43.167	ug/l	98
59) 2-Hexanone	9.48	43	376568	246.659	ug/l	98
60) Dibromochloromethane	9.57	129	86536	53.395	ug/l	99
61) 1,2-Dibromoethane	9.67	107	82070	49.983	ug/l	99
64) Tetrachloroethene	9.33	164	77610	52.382	ug/l	98
65) Chlorobenzene	10.14	112	205262	48.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	78869	50.702	ug/l	99
67) Ethyl Benzene	10.25	91	369435	49.008	ug/l	98
68) m/p-Xylenes	10.35	106	281027	98.646	ug/l	99
69) o-Xylene	10.70	106	133962	49.019	ug/l	98
70) Styrene	10.71	104	231218	49.135	ug/l	98
71) Bromoform	10.85	173	60507	53.235	ug/l #	100
73) Isopropylbenzene	11.01	105	370754	49.760	ug/l	100
74) N-amyl acetate	10.89	43	138171	50.525	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	108125	47.793	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	134672	68.100	ug/l	85
77) Bromobenzene	11.25	156	86284	48.317	ug/l	98
78) n-propylbenzene	11.35	91	405202	50.065	ug/l	100
79) 2-Chlorotoluene	11.42	91	251568	49.195	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	312770	50.503	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36273	50.404	ug/l	96
82) 4-Chlorotoluene	11.51	91	290670	50.166	ug/l	97
83) tert-Butylbenzene	11.76	119	305103	49.794	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	316234	50.623	ug/l	98
85) sec-Butylbenzene	11.94	105	350702	50.296	ug/l	100
86) p-Isopropyltoluene	12.06	119	330327	50.426	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	160825	49.851	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	158139	48.144	ug/l	99
89) n-Butylbenzene	12.38	91	269419	50.276	ug/l	98
90) Hexachloroethane	12.59	117	56688	51.674	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	158151	49.852	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28869	51.314	ug/l	98

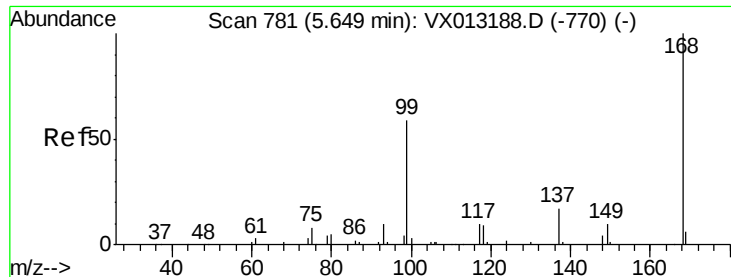
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105178	52.651	ug/l	96
94) Hexachlorobutadiene	13.78	225	51168	49.517	ug/l	97
95) Naphthalene	13.83	128	321633	52.460	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	102658	52.006	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

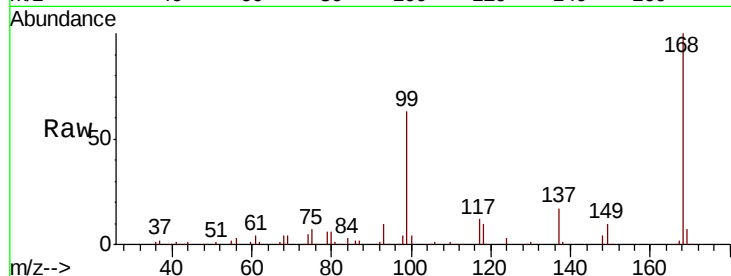
S32-0670MS

Tot Ion:168 Resp: 81235

Ion Ratio Lower Upper

168 100

99 62.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

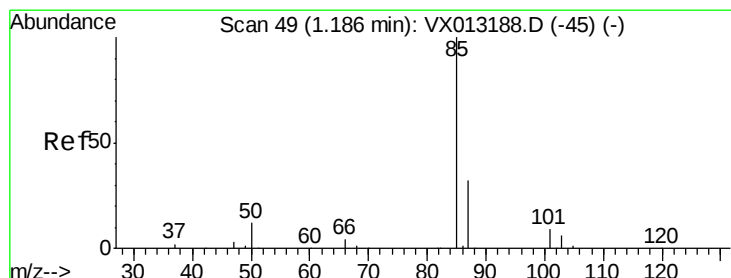
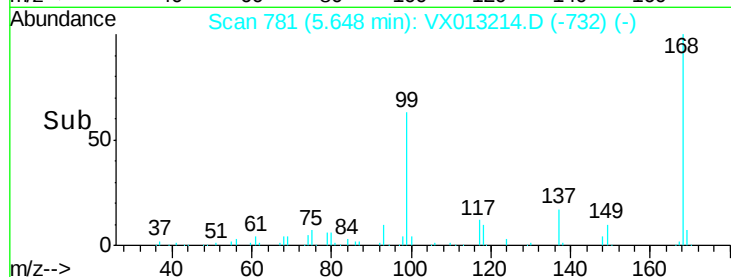
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.790 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013214.D

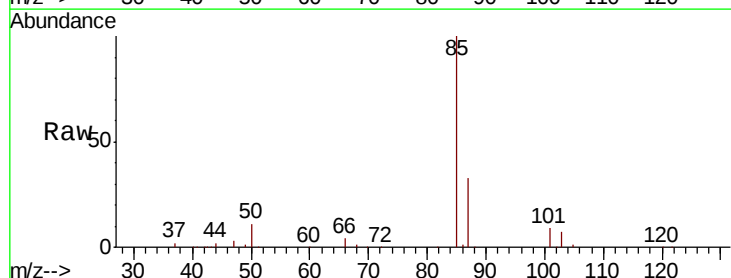
Acq: 24 Oct 2019 16:15

Tgt Ion: 85 Resp: 79974

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

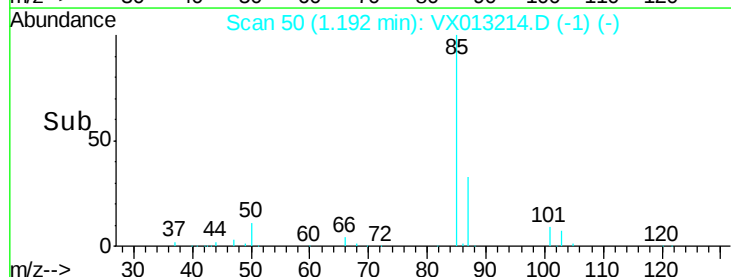
60000

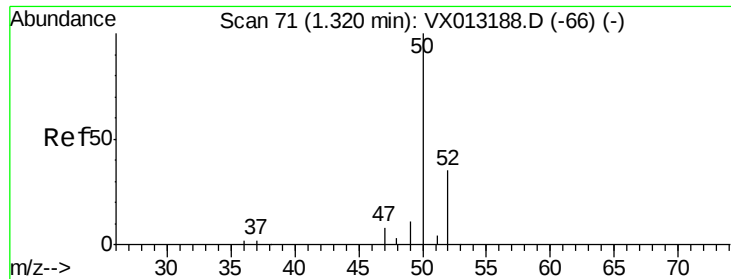
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.514 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

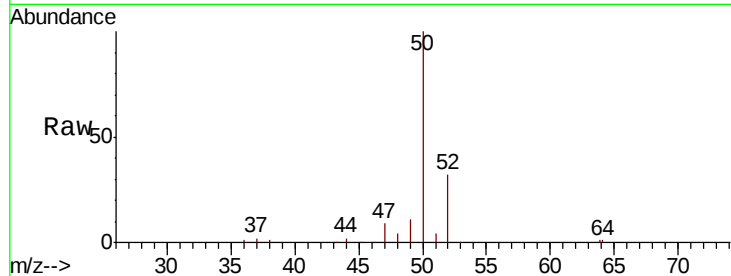
S32-0670MS

Tot Ion: 50 Resp: 64071

Ion Ratio Lower Upper

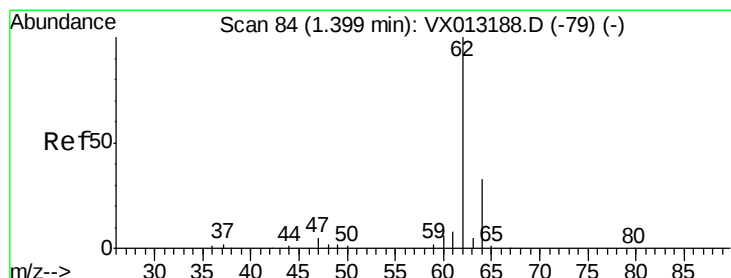
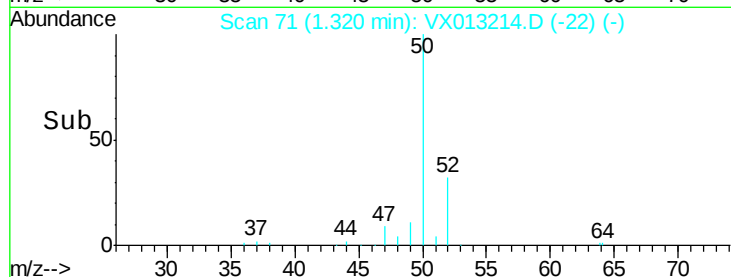
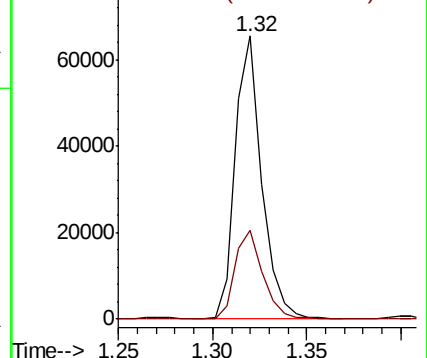
50 100

52 31.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 65.631 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013214.D

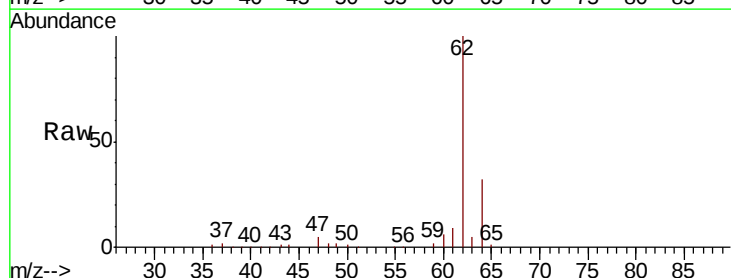
Acq: 24 Oct 2019 16:15

Tgt Ion: 62 Resp: 96816

Ion Ratio Lower Upper

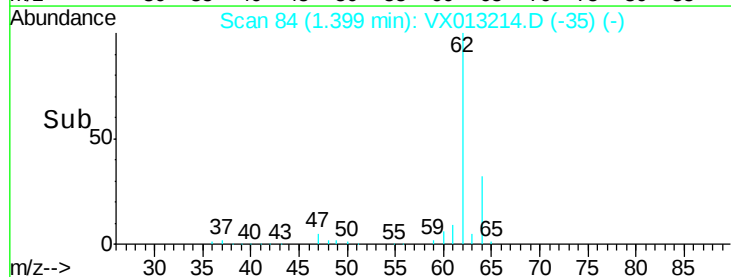
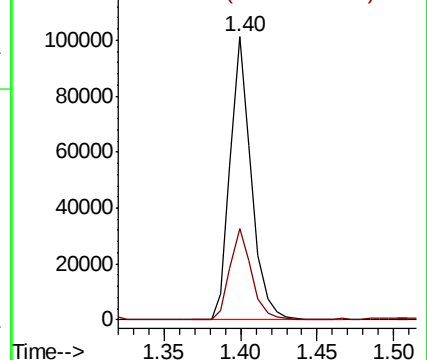
62 100

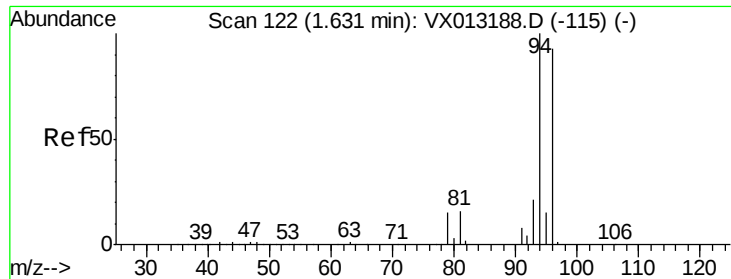
64 32.0 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

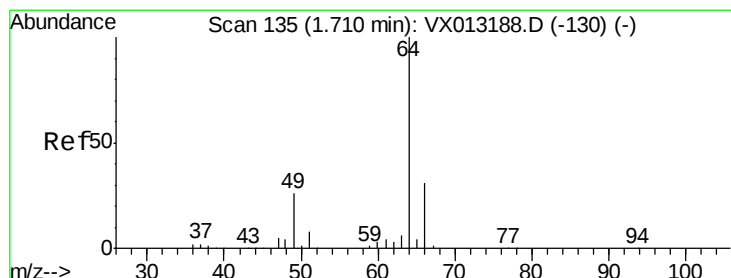
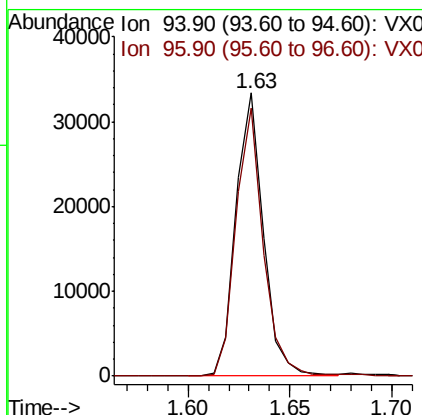
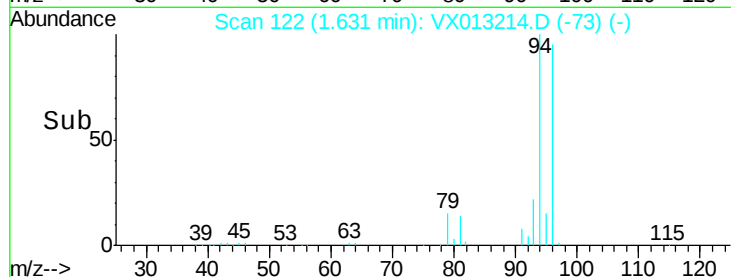
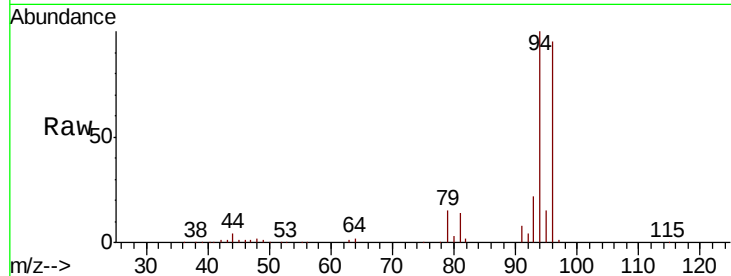




#5
Bromomethane
Concen: 39.712 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

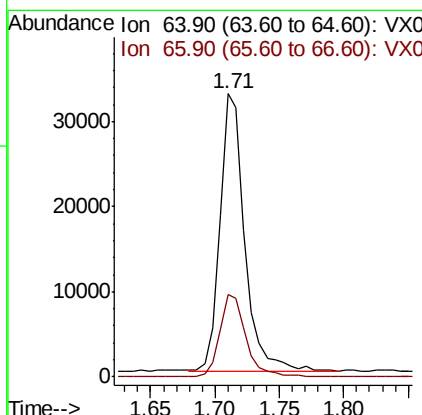
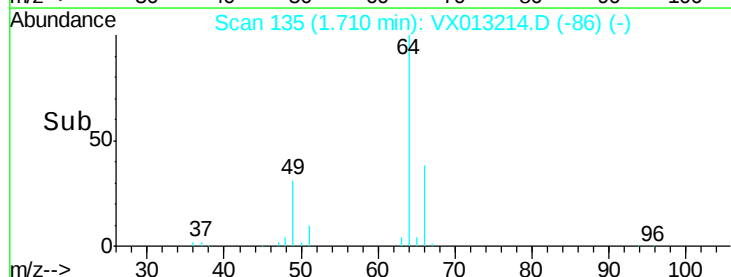
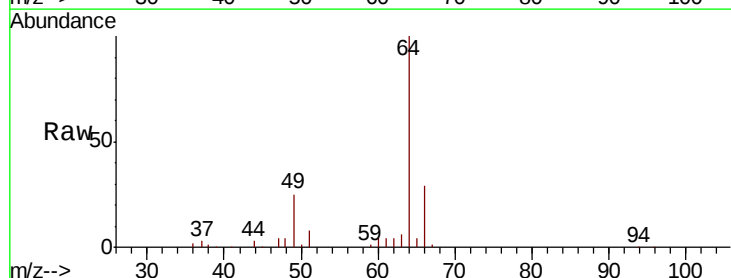
Instrument :
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S32-0670MS

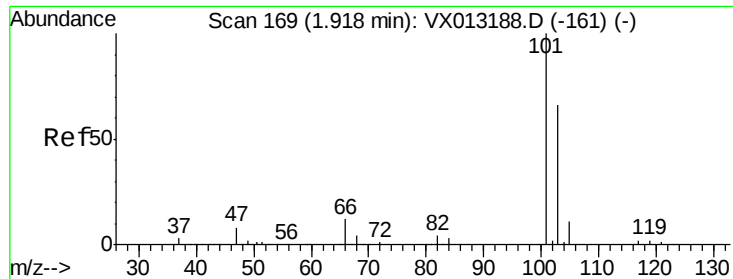
Tot Ion: 94 Resp: 31050
Ion Ratio Lower Upper
94 100
96 94.9 74.2 111.2



#6
Chloroethane
Concen: 53.441 ug/l
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 64 Resp: 43973
Ion Ratio Lower Upper
64 100
66 29.8 25.0 37.6



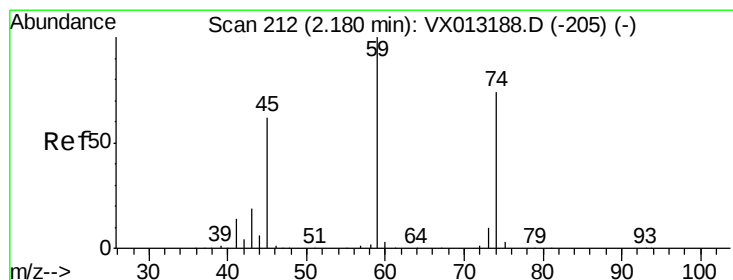
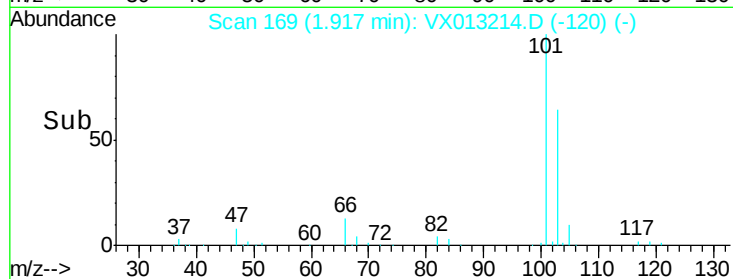
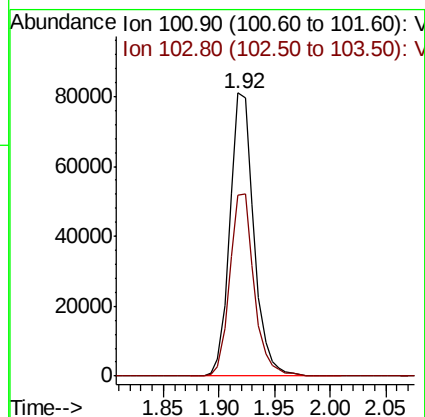
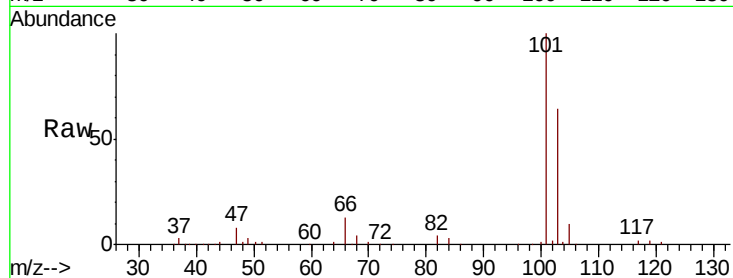


#7

Trichlorofluoromethane
 Concen: 51.820 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

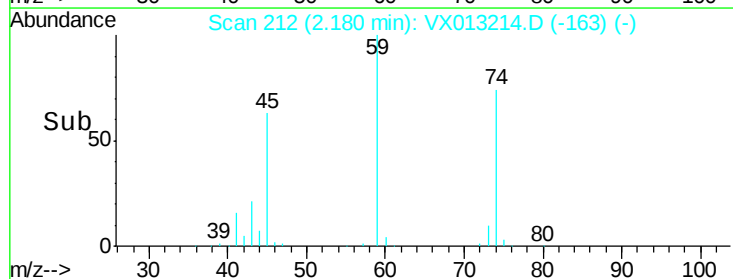
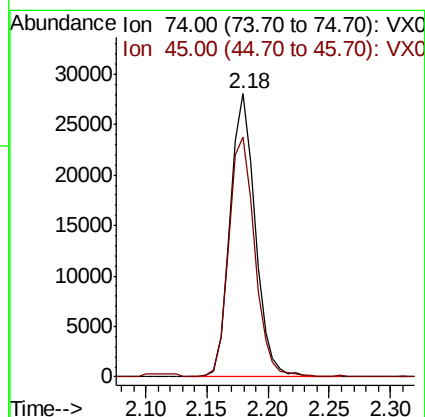
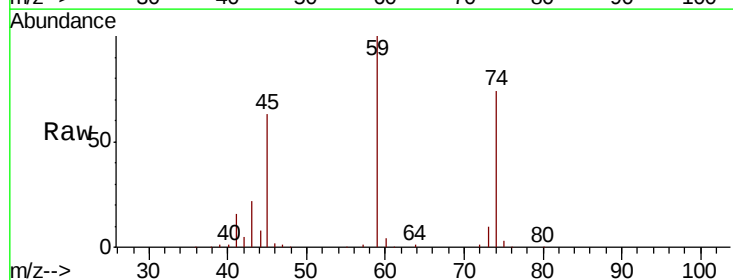
Tot Ion:101 Resp: 120652
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.0 79.6

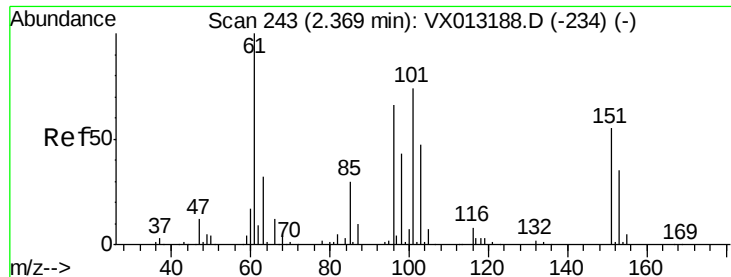


#8

Diethyl Ether
 Concen: 49.802 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 74 Resp: 39760
 Ion Ratio Lower Upper
 74 100
 45 88.0 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.254 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

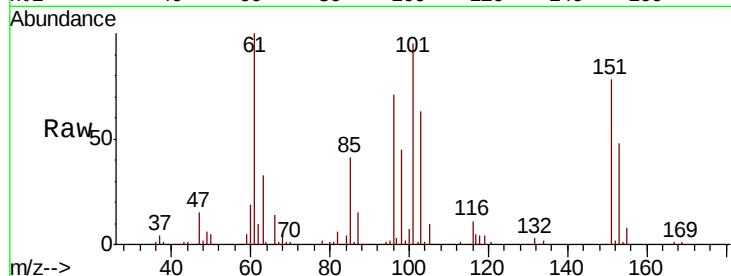
Tot Ion:101 Resp: 72447

Ion Ratio Lower Upper

101 100

85 43.0 34.0 51.0

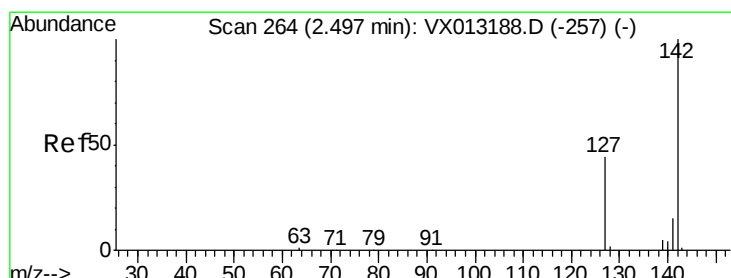
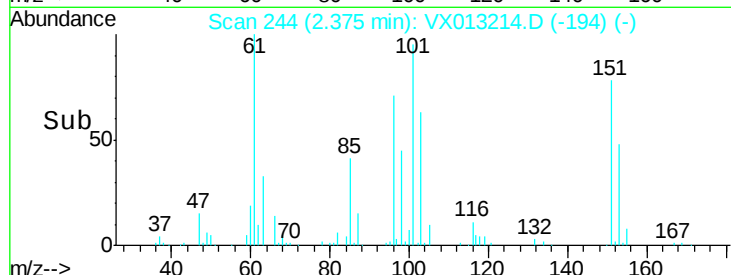
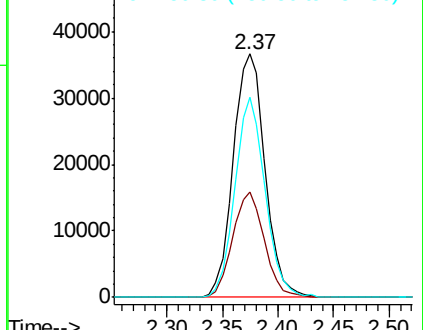
151 78.2 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.356 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

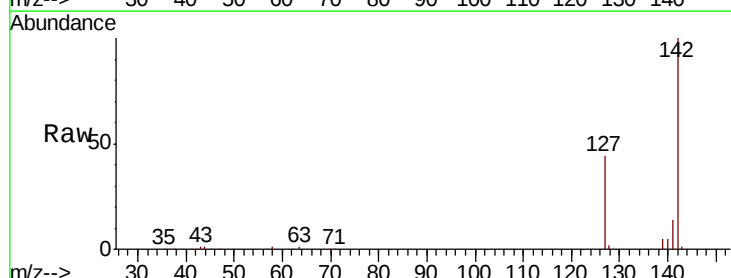
Tgt Ion:142 Resp: 70005

Ion Ratio Lower Upper

142 100

127 44.7 35.6 53.4

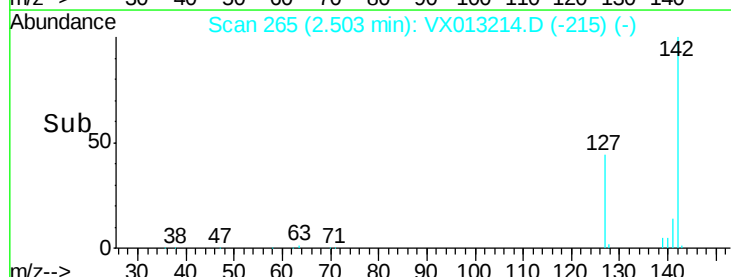
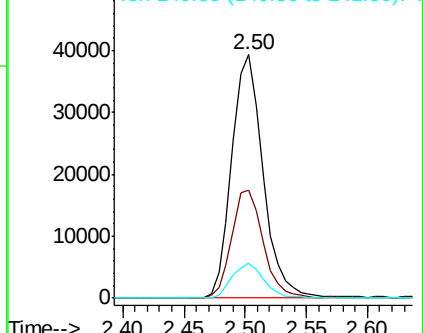
141 14.6 11.6 17.4

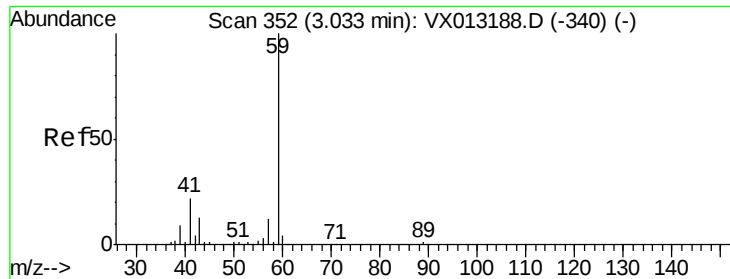


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

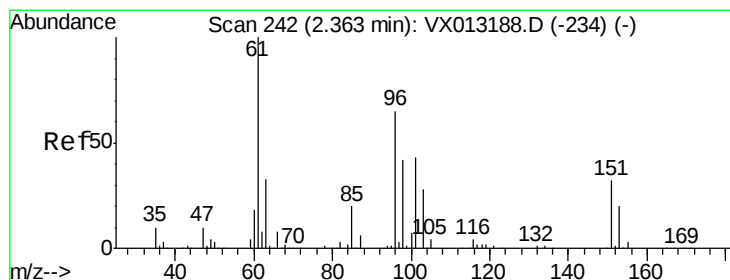
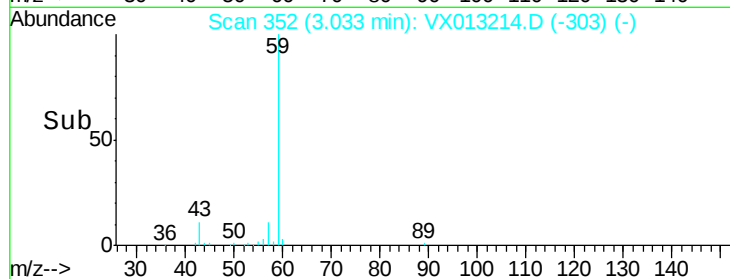
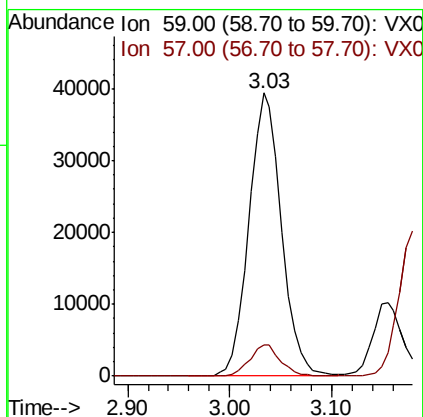
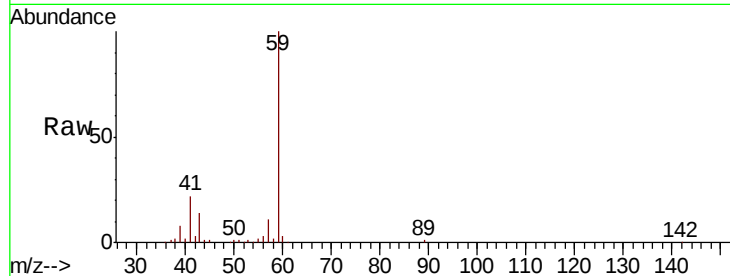




#11
Tert butyl alcohol
Concen: 236.885 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

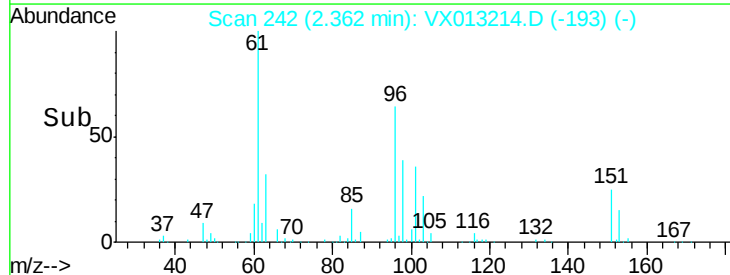
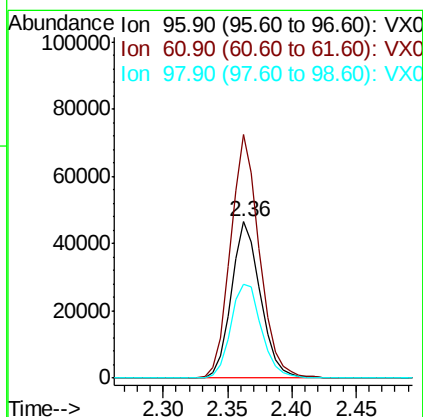
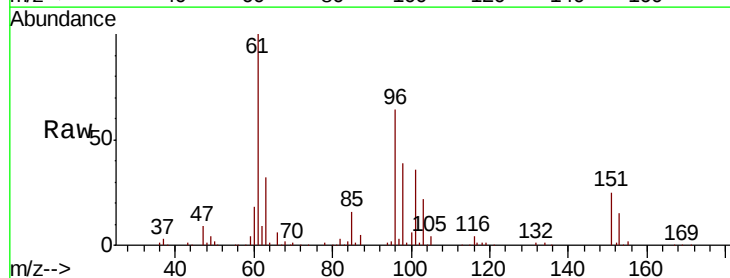
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

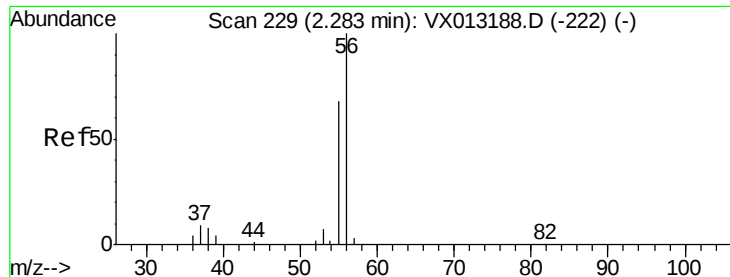
Tot Ion: 59 Resp: 87336
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 53.150 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 96 Resp: 73551
Ion Ratio Lower Upper
96 100
61 155.6 123.8 185.8
98 60.2 51.6 77.4





#13

Acrolein

Concen: 246.080 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

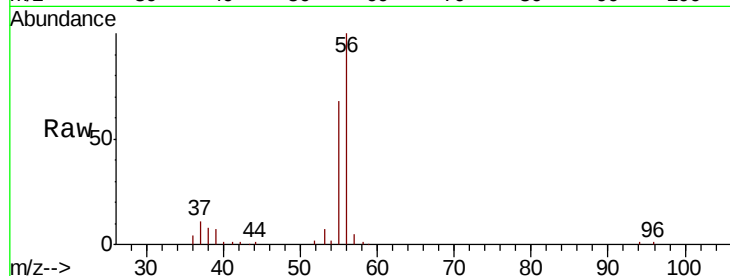
S32-0670MS

Tot Ion: 56 Resp: 49055

Ion Ratio Lower Upper

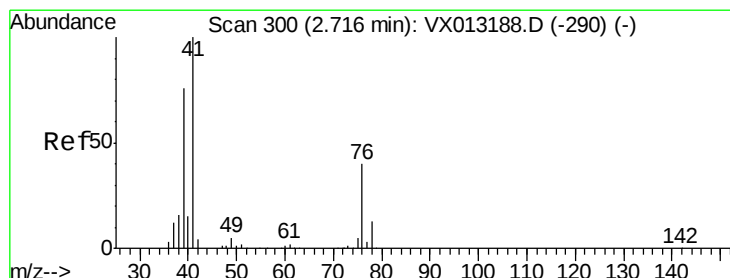
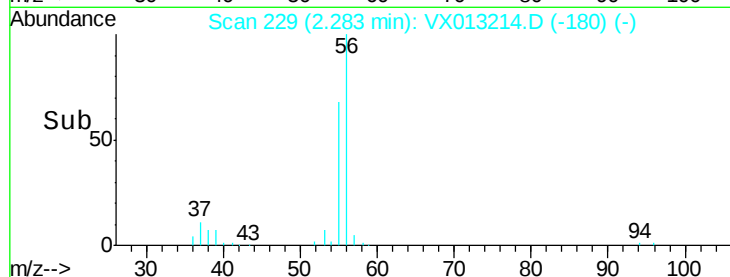
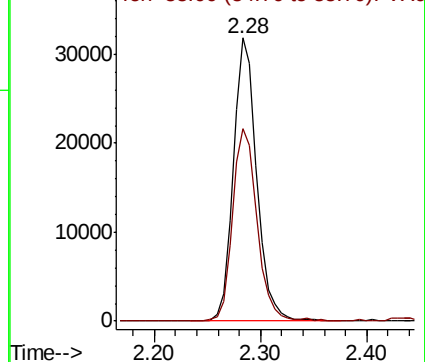
56 100

55 71.9 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.445 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

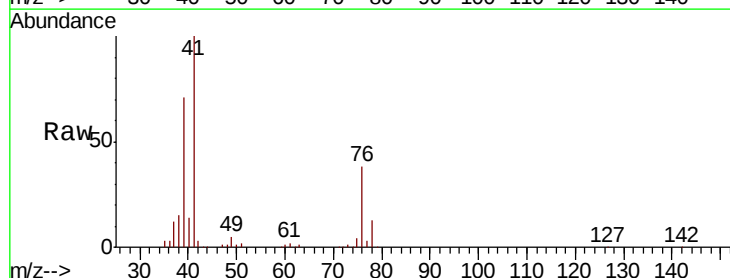
Tgt Ion: 41 Resp: 105542

Ion Ratio Lower Upper

41 100

39 68.8 54.6 81.8

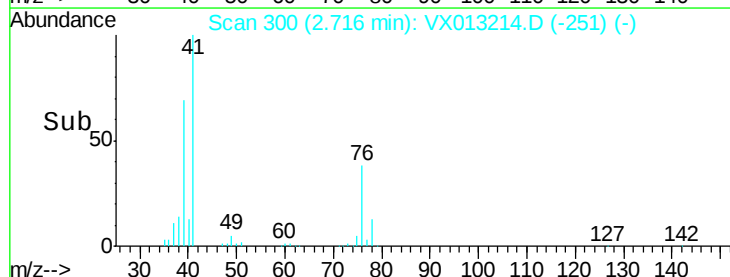
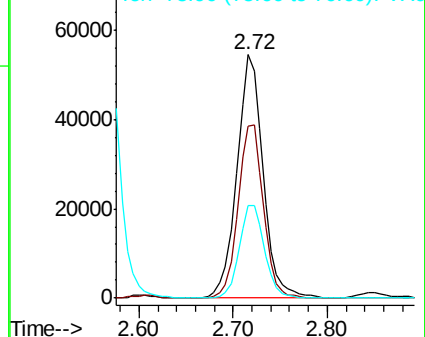
76 36.7 29.8 44.6

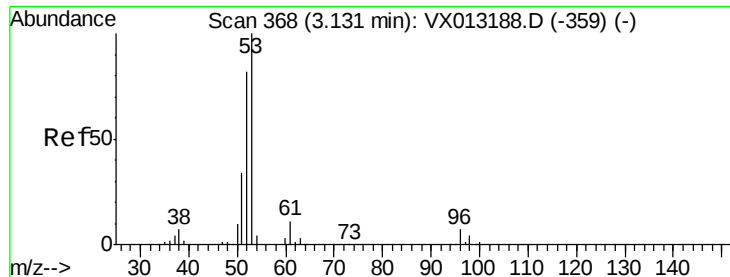


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 250.067 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

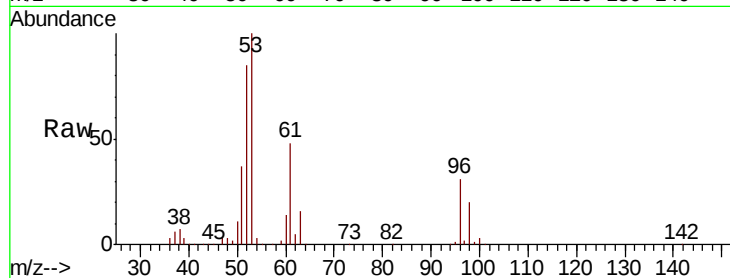
Tot Ion: 53 Resp: 187278

Ion Ratio Lower Upper

53 100

52 81.7 66.4 99.6

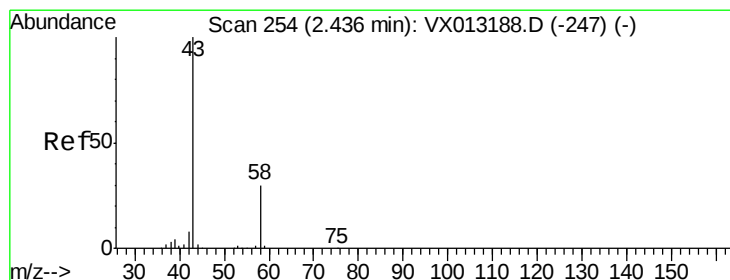
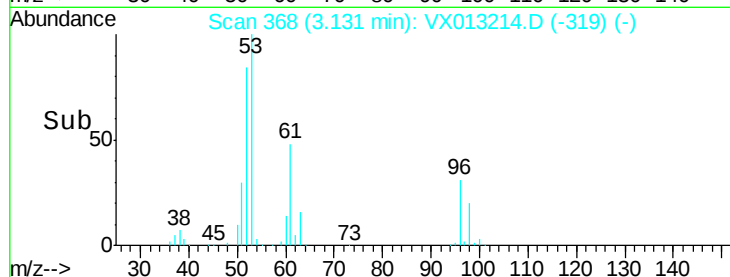
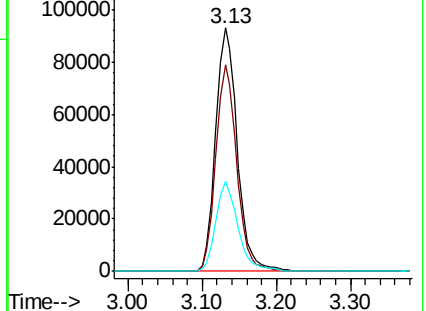
51 37.7 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 215.573 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013214.D

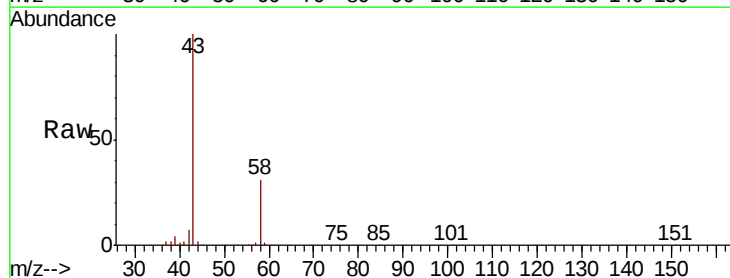
Acq: 24 Oct 2019 16:15

Tgt Ion: 43 Resp: 172559

Ion Ratio Lower Upper

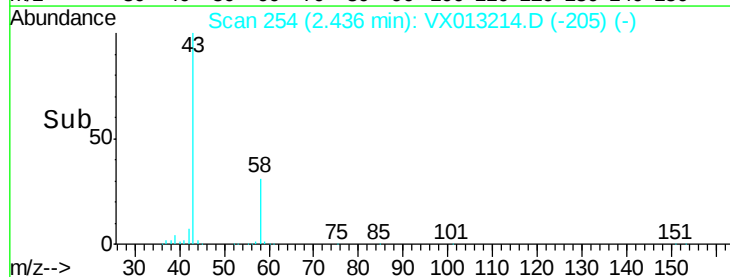
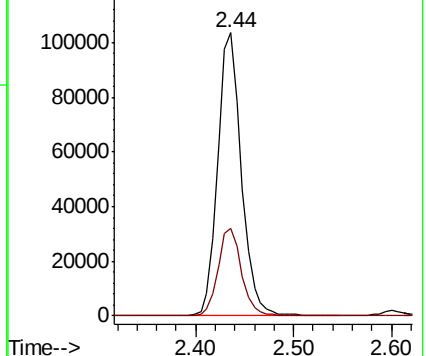
43 100

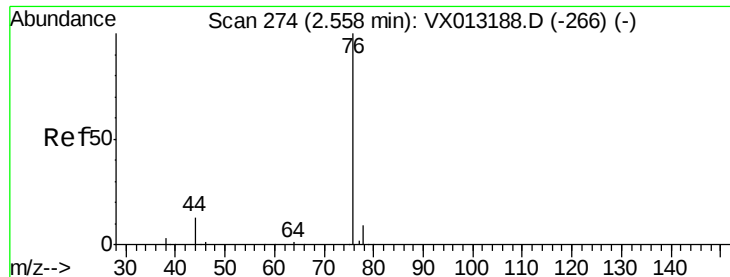
58 31.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.335 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

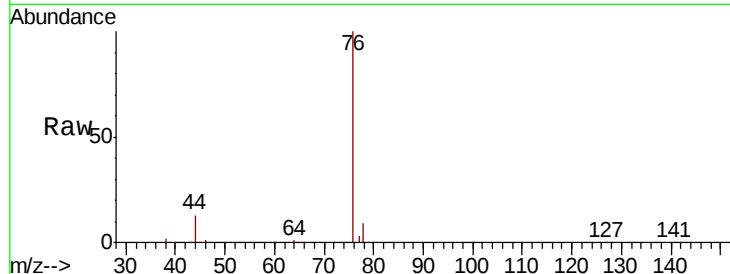
S32-0670MS

Tot Ion: 76 Resp: 172383

Ion Ratio Lower Upper

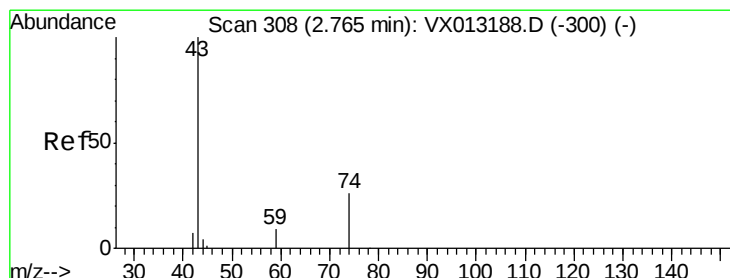
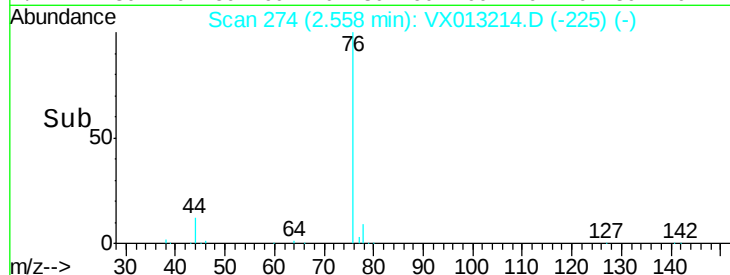
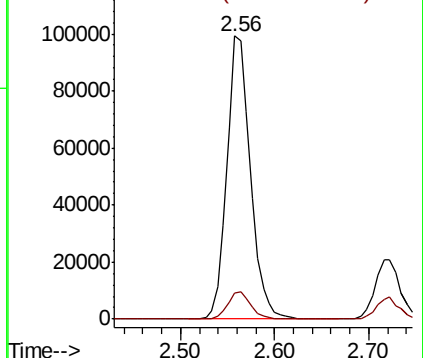
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.665 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013214.D

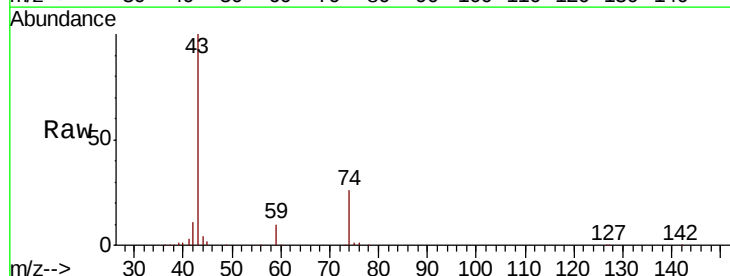
Acq: 24 Oct 2019 16:15

Tgt Ion: 43 Resp: 88579

Ion Ratio Lower Upper

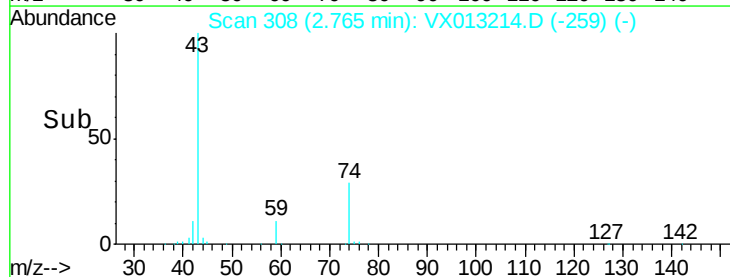
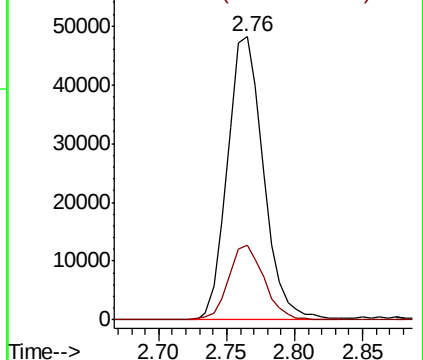
43 100

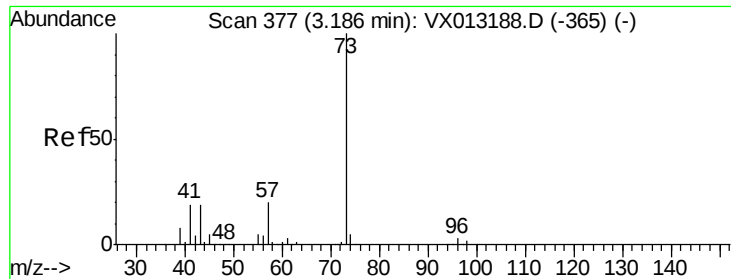
74 26.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

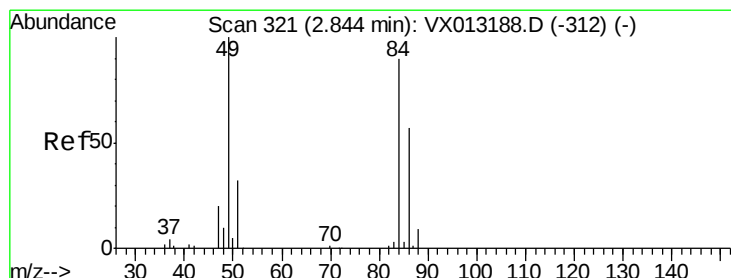
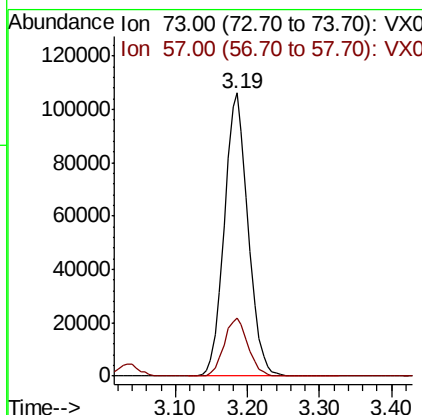
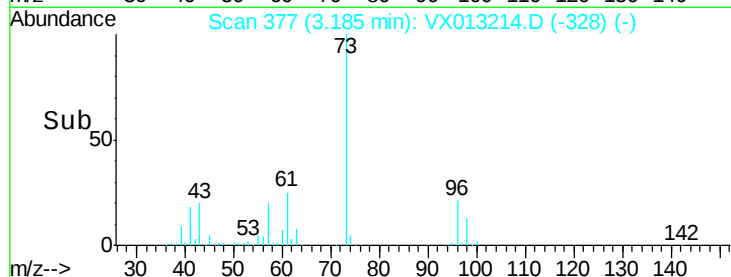
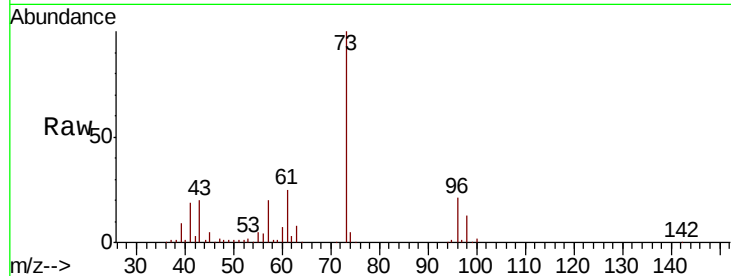




#19
Methvl tert-butvl Ether
Concen: 49.713 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

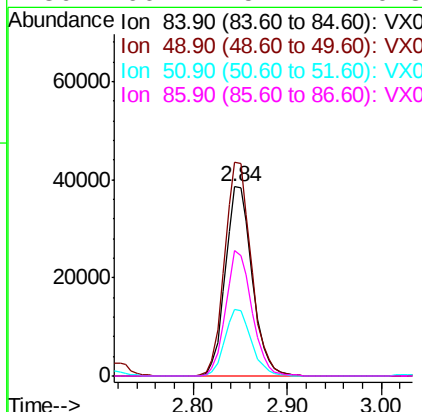
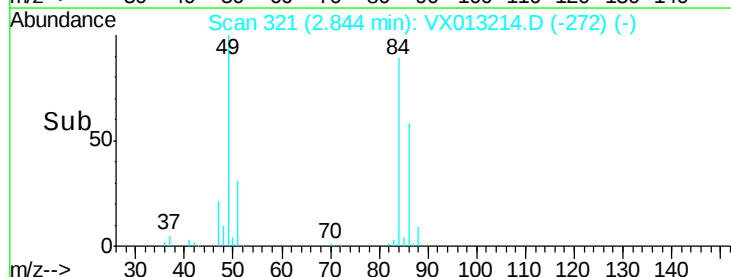
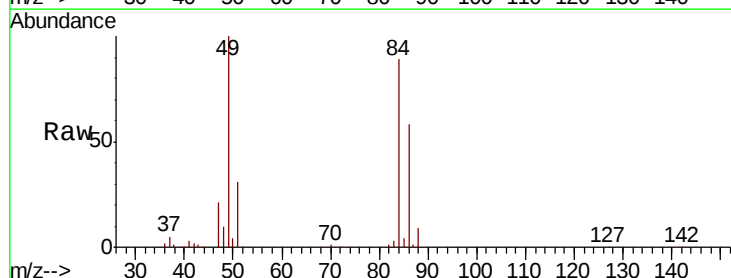
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

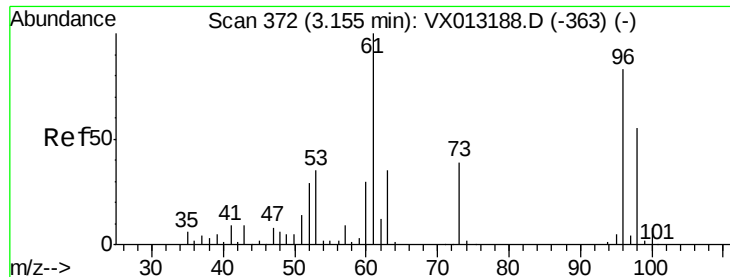
Tot Ion: 73 Resp: 242261
Ion Ratio Lower Upper
73 100
57 20.3 15.8 23.8



#20
Methylene Chloride
Concen: 51.019 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 84 Resp: 76380
Ion Ratio Lower Upper
84 100
49 113.0 89.2 133.8
51 35.5 28.8 43.2
86 66.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 317.183 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

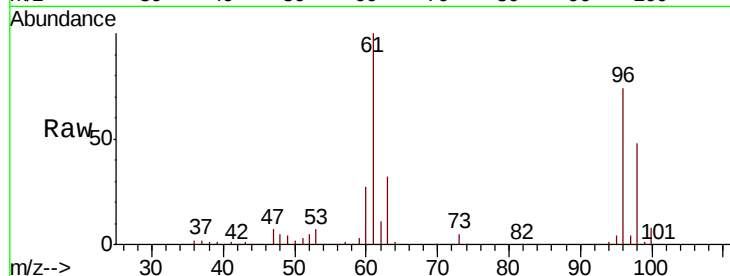
Tot Ion: 96 Resp: 460394

Ion Ratio Lower Upper

96 100

61 135.5 96.9 145.3

98 64.6 53.0 79.4

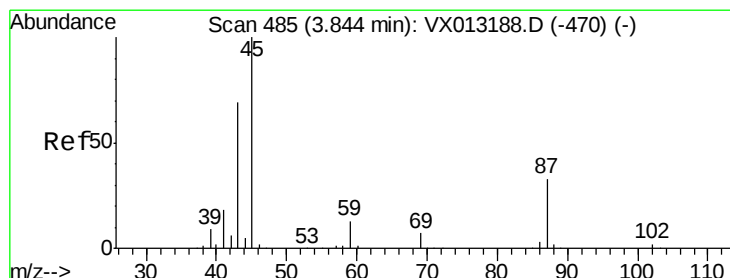
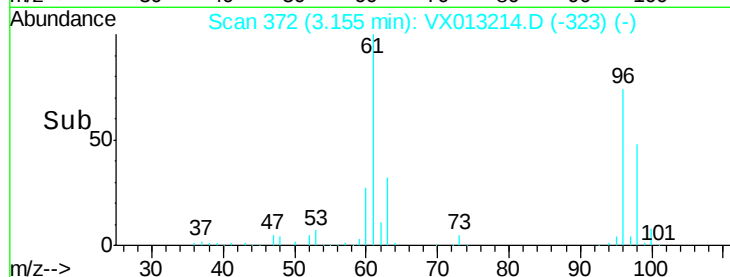
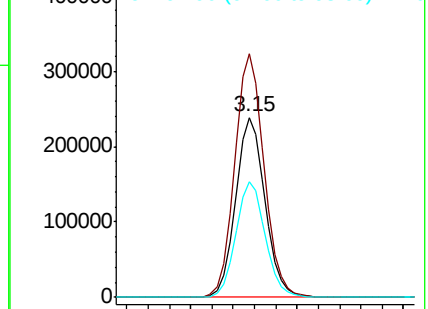


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.077 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion: 45 Resp: 209060

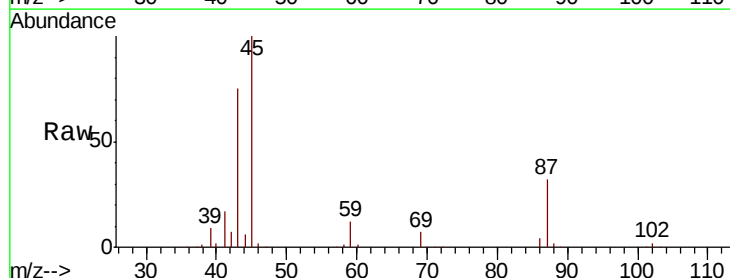
Ion Ratio Lower Upper

45 100

43 75.2 55.5 83.3

87 31.5 26.7 40.1

59 12.0 10.2 15.2



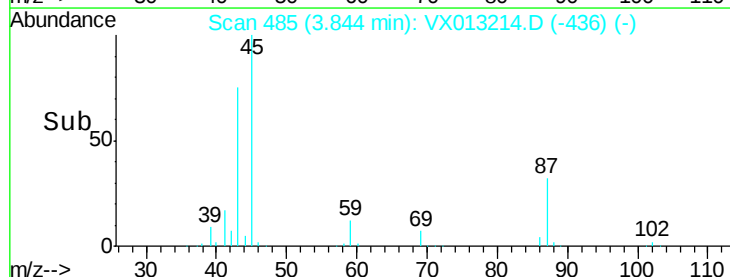
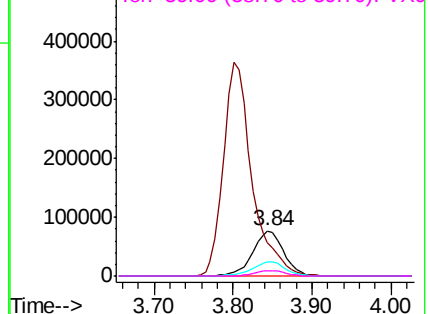
Abundance

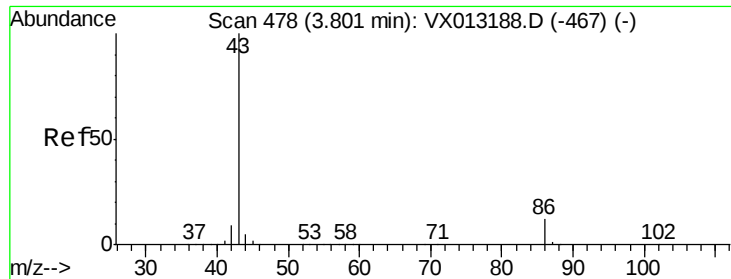
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 255.496 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

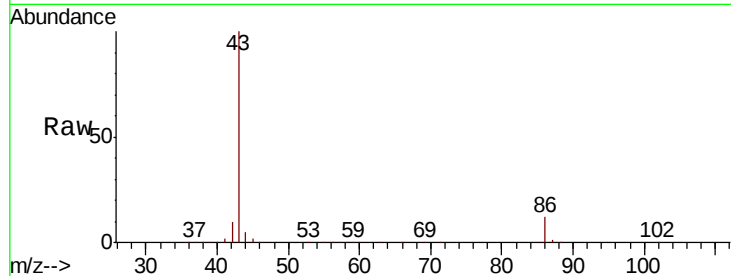
S32-0670MS

Tot Ion: 43 Resp: 925062

Ion Ratio Lower Upper

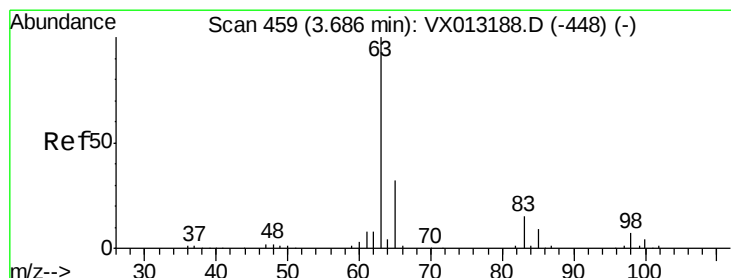
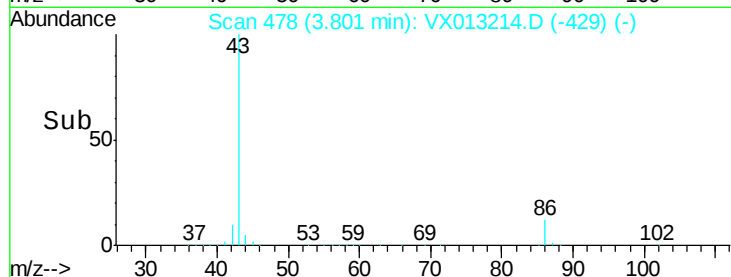
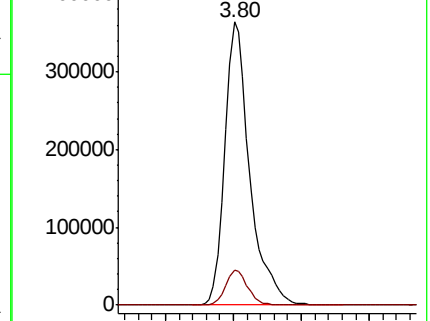
43 100

86 12.4 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.364 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

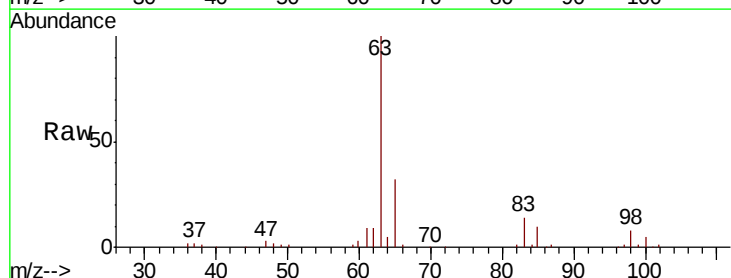
Tgt Ion: 63 Resp: 129341

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

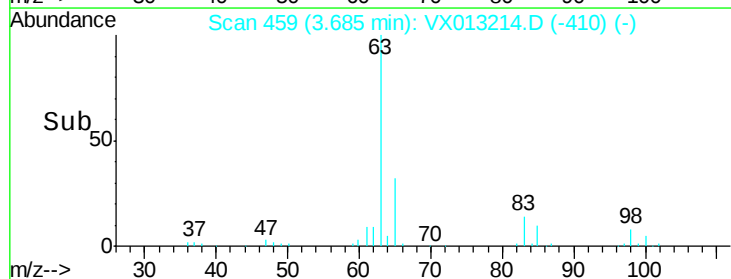
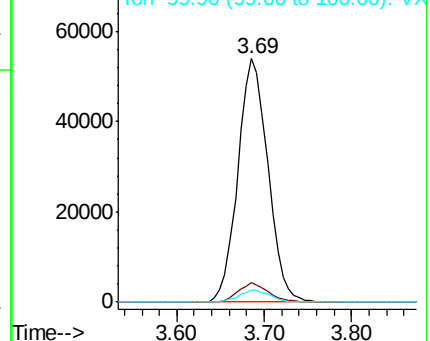
100 4.7 2.2 6.6

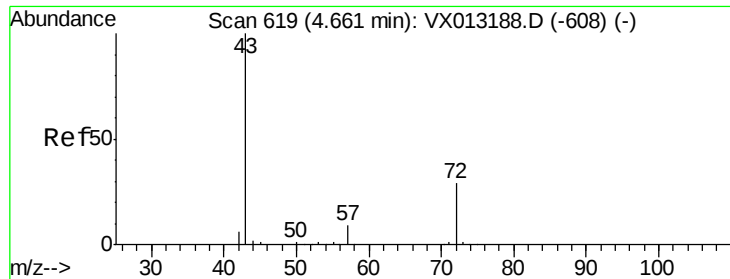


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 236.164 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

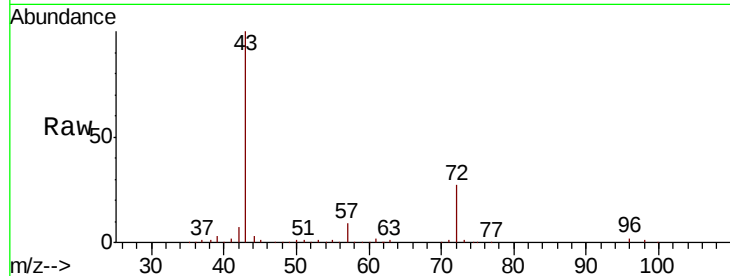
S32-0670MS

Tot Ion: 43 Resp: 253524

Ion Ratio Lower Upper

43 100

72 27.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

80000

60000

40000

20000

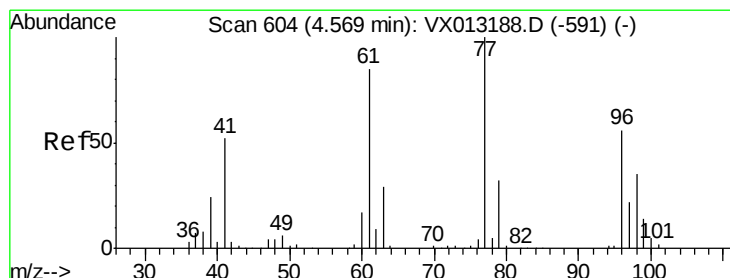
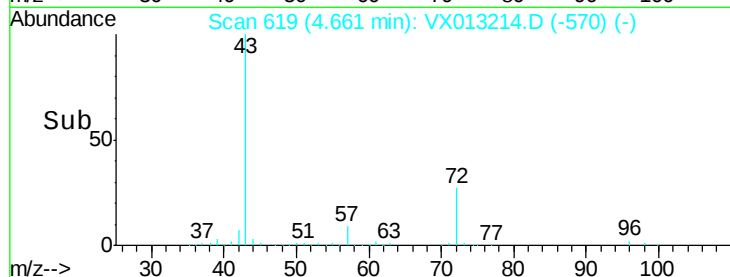
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.892 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013214.D

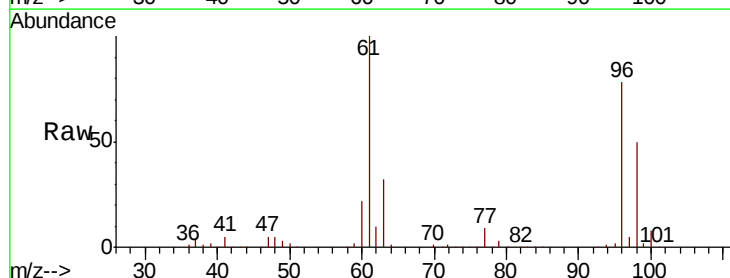
Acq: 24 Oct 2019 16:15

Tgt Ion: 77 Resp: 118394

Ion Ratio Lower Upper

77 100

97 53.5 10.9 32.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

30000

20000

10000

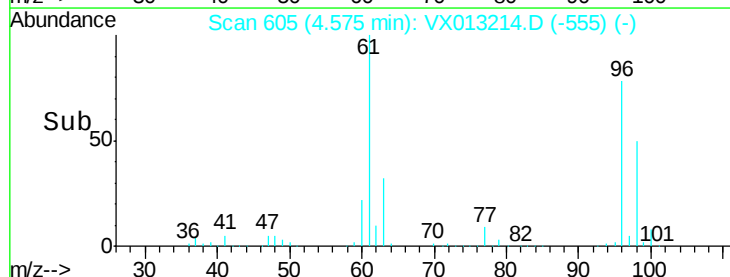
0

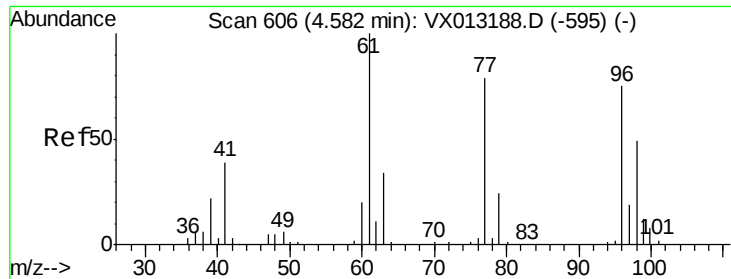
4.50

4.60

4.70

Time-->



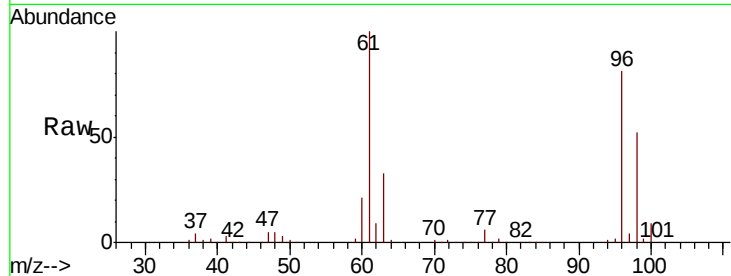


#27

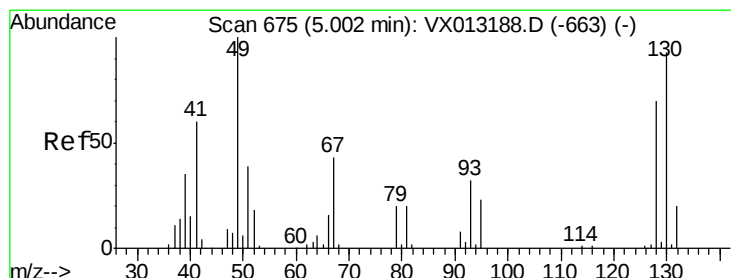
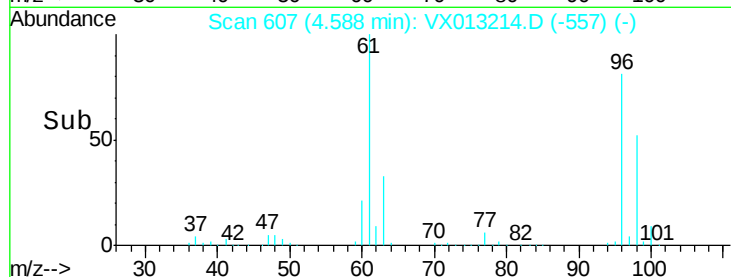
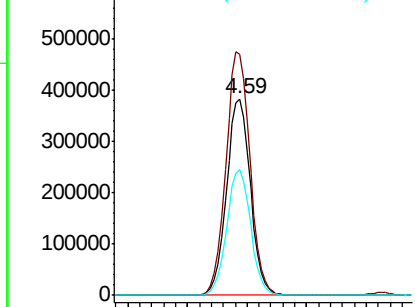
cis-1,2-Dichloroethene
 Concen: 629.167 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion: 96 Resp: 1066294
 Ion Ratio Lower Upper
 96 100
 61 125.2 0.0 290.4
 98 64.5 0.0 130.4



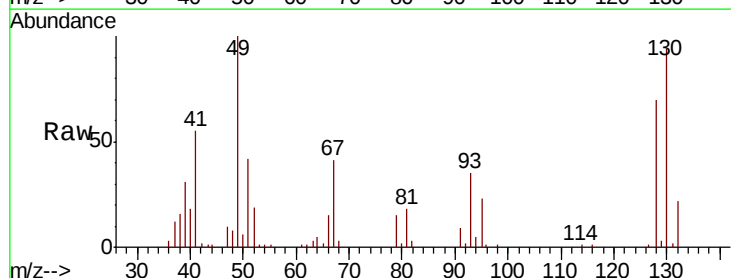
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



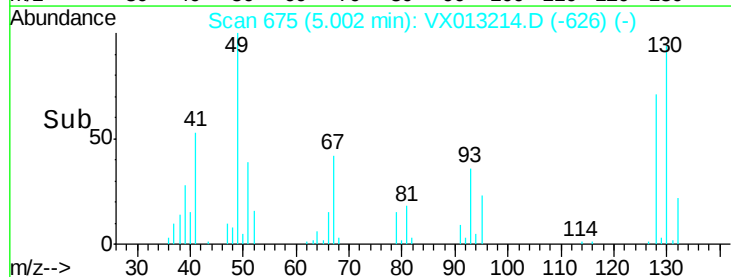
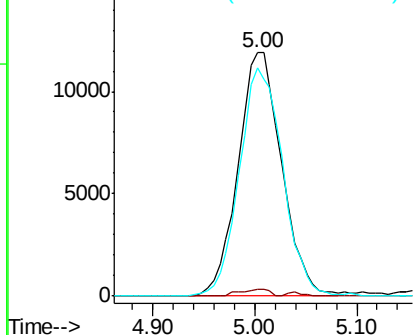
#28

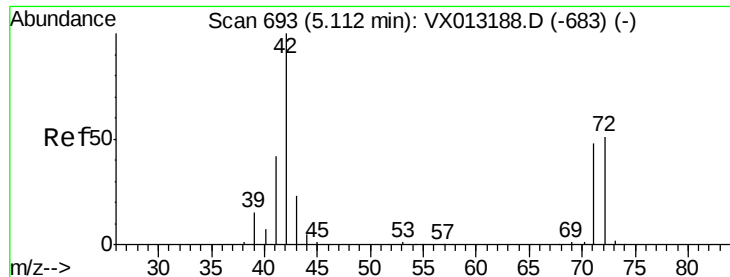
Bromochloromethane
 Concen: 52.343 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 49 Resp: 35364
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 93.3 71.8 107.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

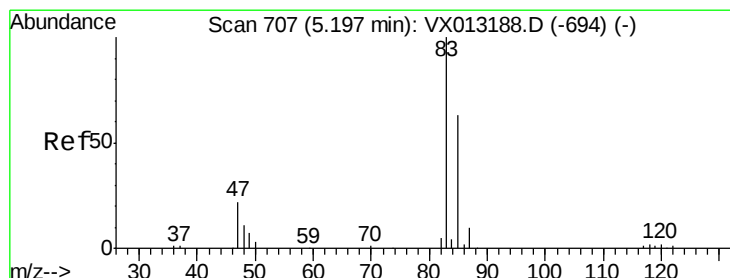
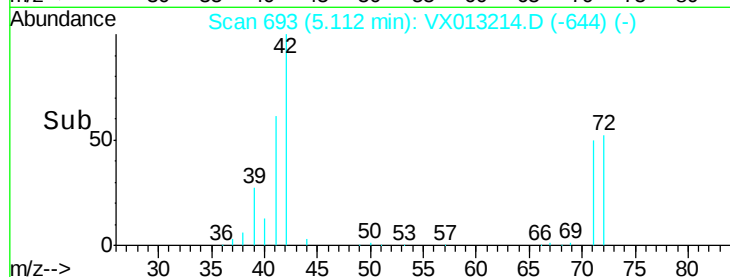
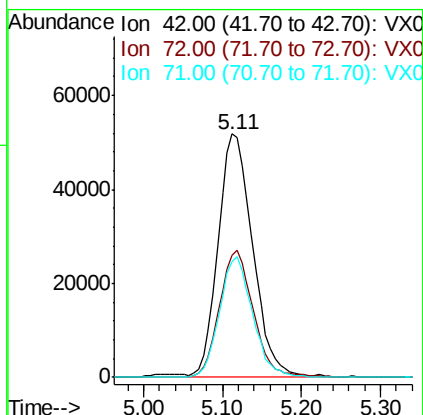
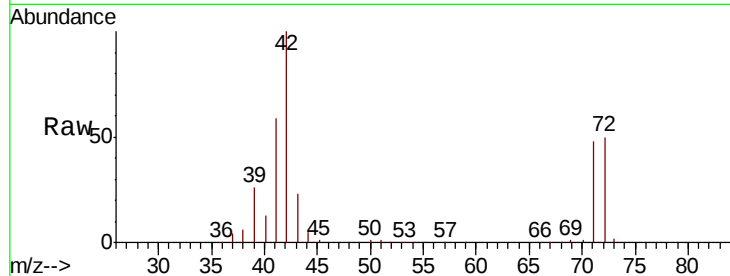




#29
Tetrahydrofuran
Concen: 243.584 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

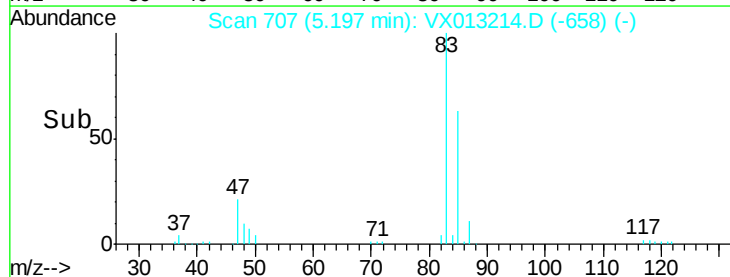
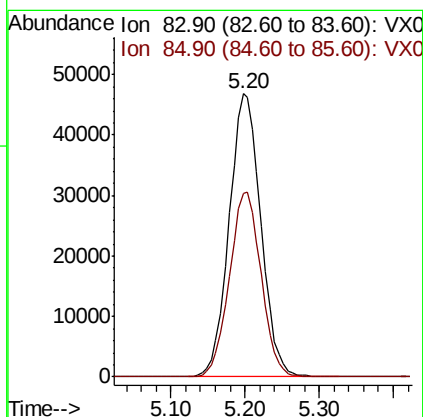
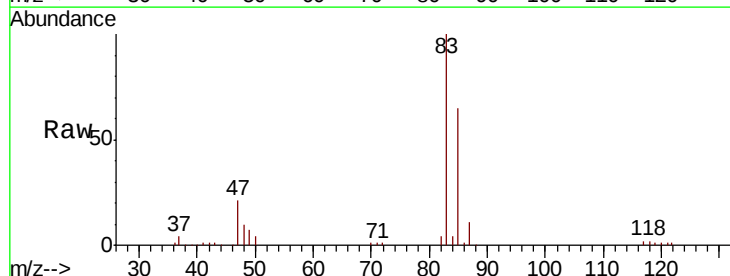
Instrument :
MSVOA_X
ClientSampled :
S32-0670MS

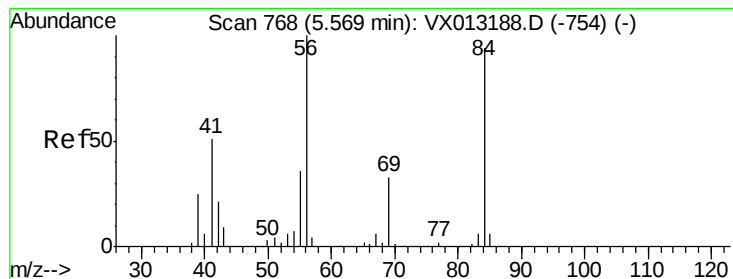
Tot Ion: 42 Resp: 157616
Ion Ratio Lower Upper
42 100
72 51.4 40.9 61.3
71 47.3 38.6 57.8



#30
Chloroform
Concen: 49.991 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 83 Resp: 139459
Ion Ratio Lower Upper
83 100
85 64.8 50.1 75.1





#31

Cyclohexane

Concen: 50.347 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

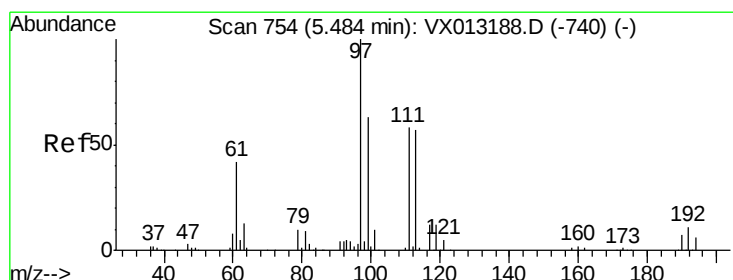
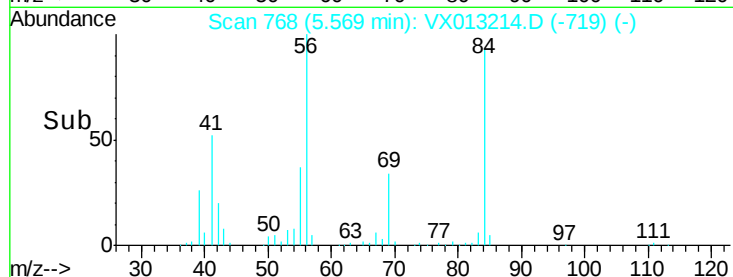
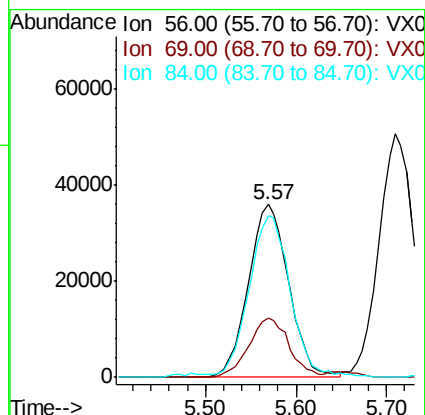
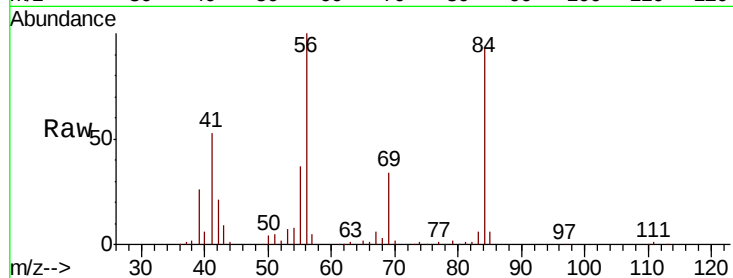
Tot Ion: 56 Resp: 110630

Ion Ratio Lower Upper

56 100

69 34.0 26.3 39.5

84 91.0 73.8 110.6



#32

1,1,1-Trichloroethane

Concen: 51.465 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

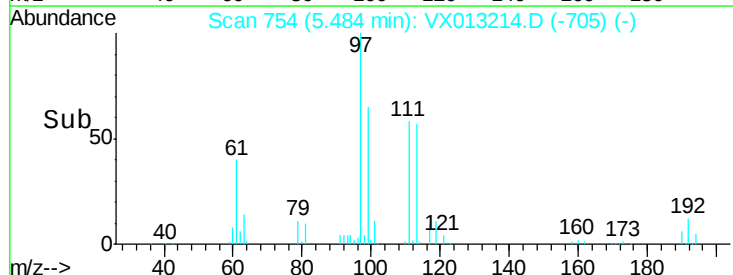
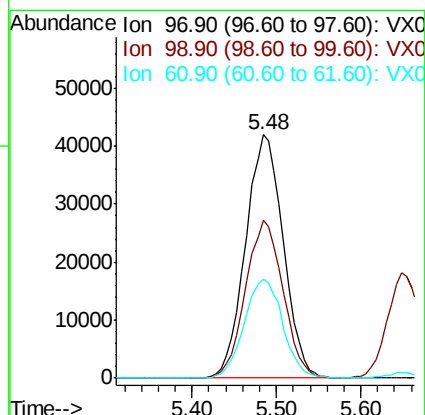
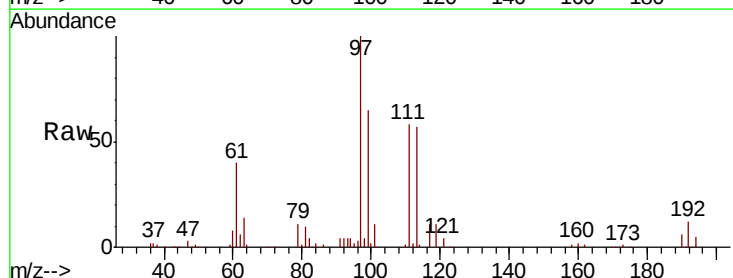
Tgt Ion: 97 Resp: 127656

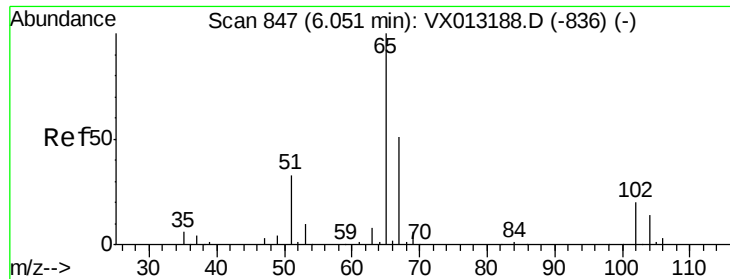
Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

61 41.4 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 49.832 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

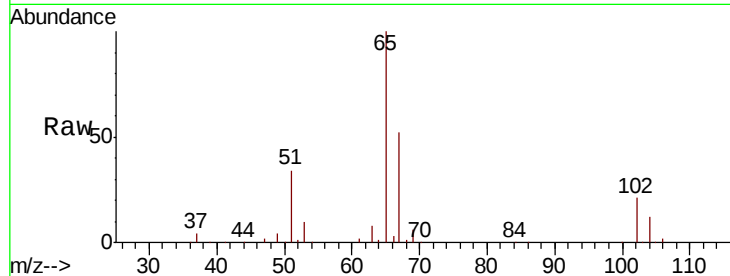
S32-0670MS

Tot Ion: 65 Resp: 84668

Ion Ratio Lower Upper

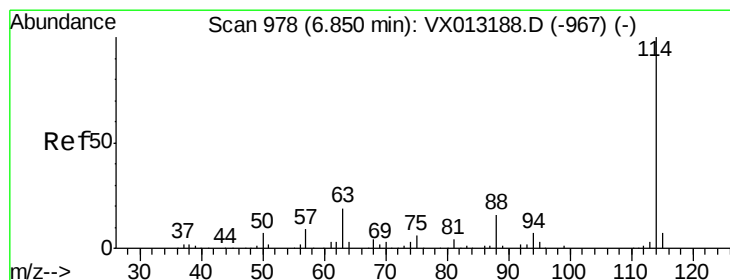
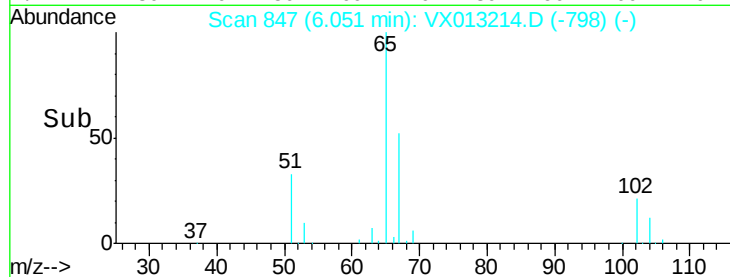
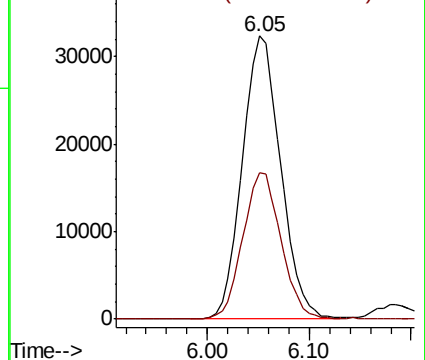
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

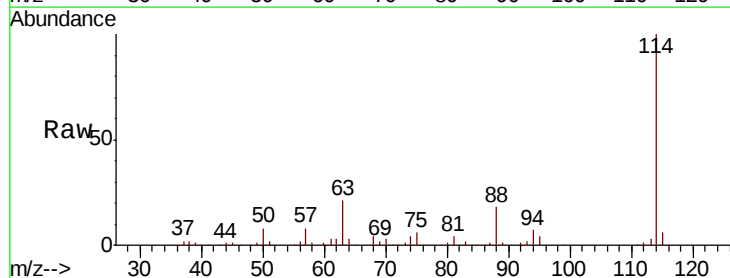
Tgt Ion:114 Resp: 117522

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

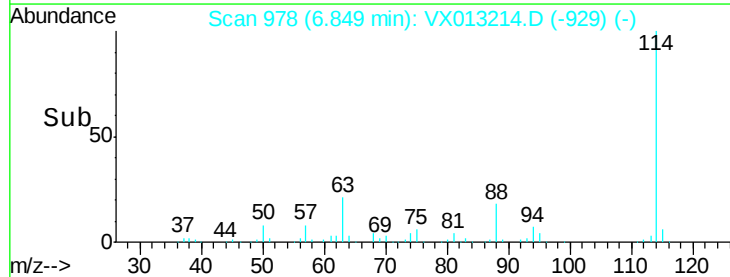
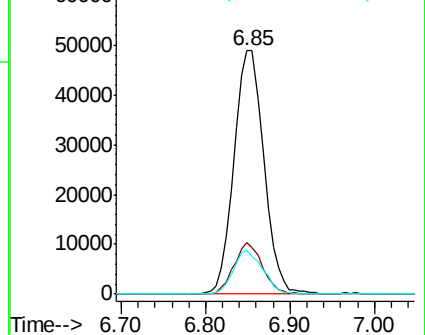
88 17.9 0.0 32.0

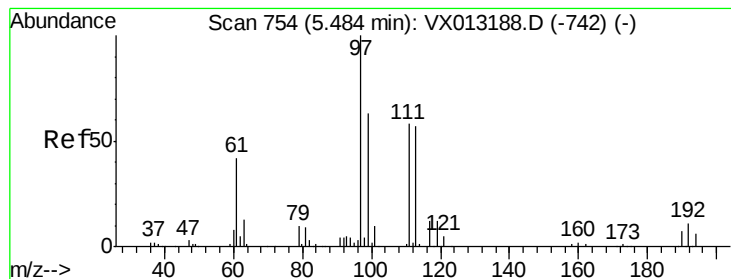


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.167 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

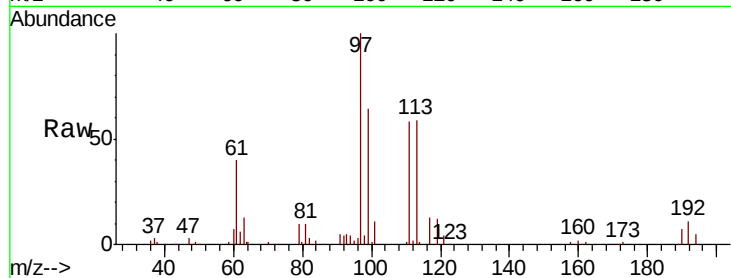
Tot Ion:113 Resp: 68367

Ion Ratio Lower Upper

113 100

111 101.6 80.3 120.5

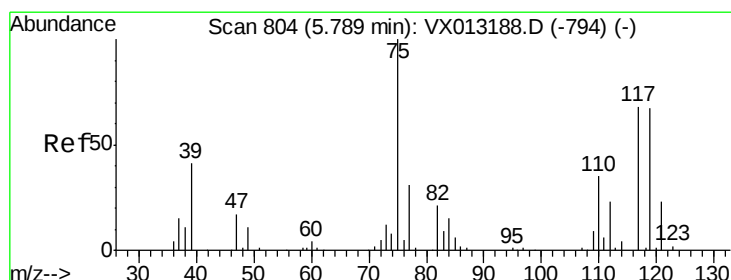
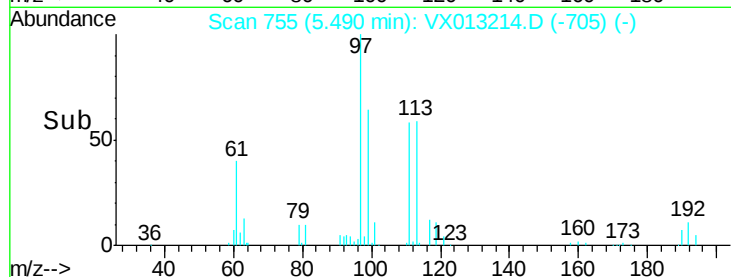
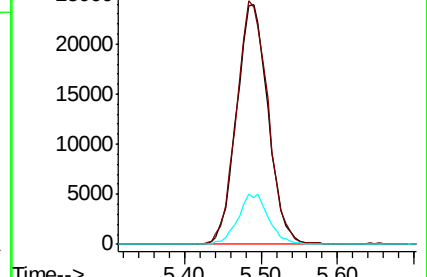
192 20.2 15.9 23.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.803 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

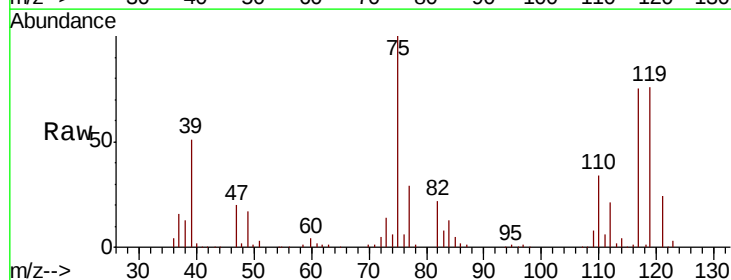
Tgt Ion: 75 Resp: 103866

Ion Ratio Lower Upper

75 100

110 34.5 17.6 52.9

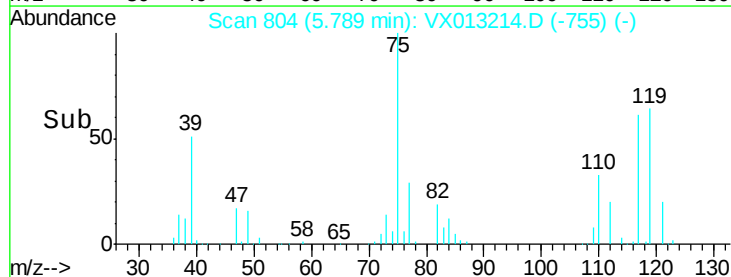
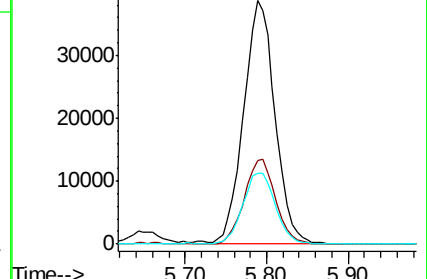
77 30.3 24.7 37.1

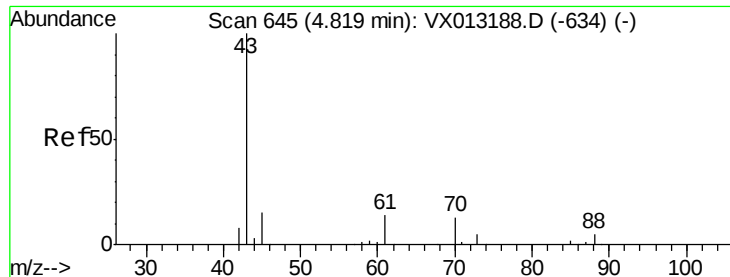


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.495 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

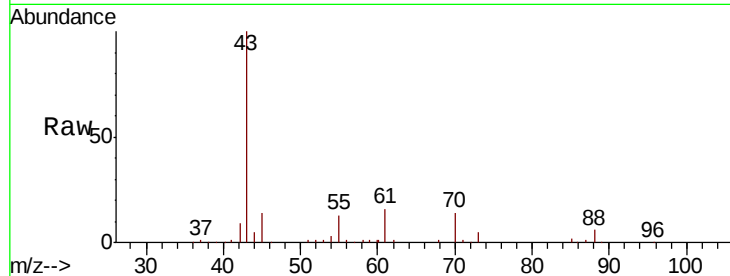
Tot Ion: 43 Resp: 96931

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

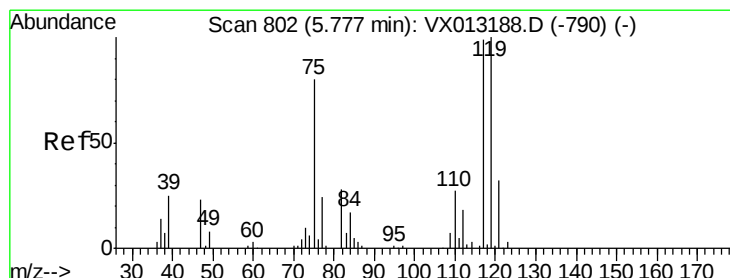
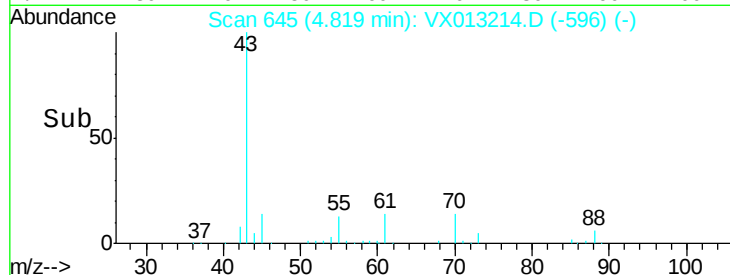
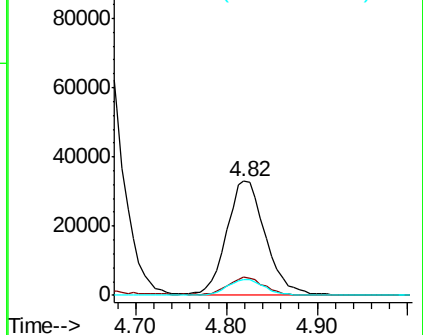
70 13.3 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 50.483 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

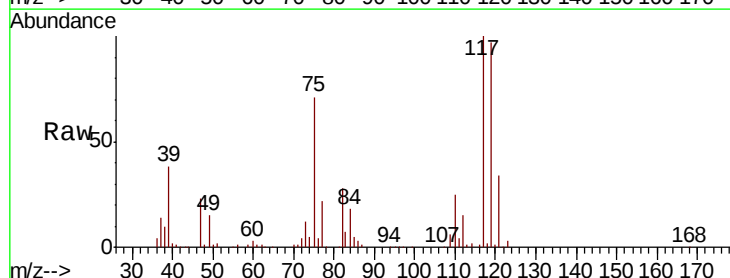
Tgt Ion: 117 Resp: 109661

Ion Ratio Lower Upper

117 100

119 97.2 80.1 120.1

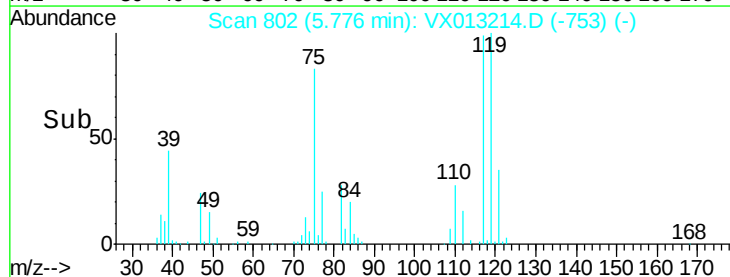
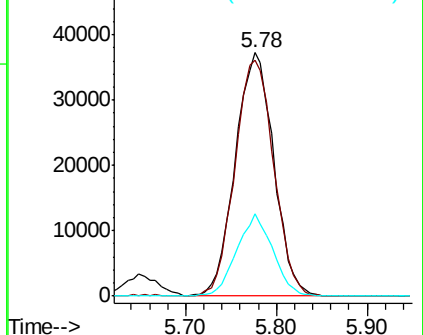
121 33.6 25.5 38.3

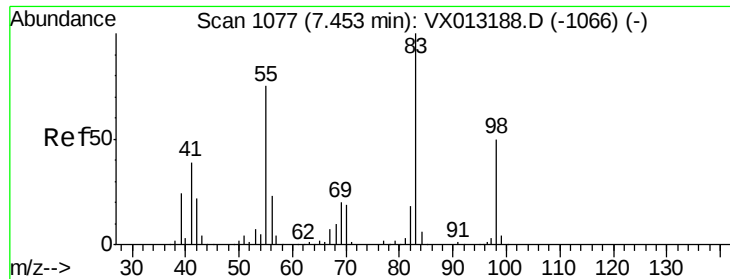


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

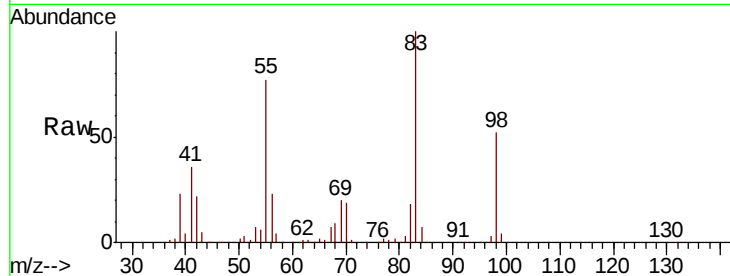




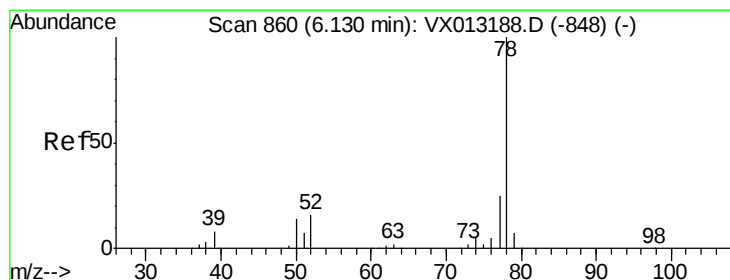
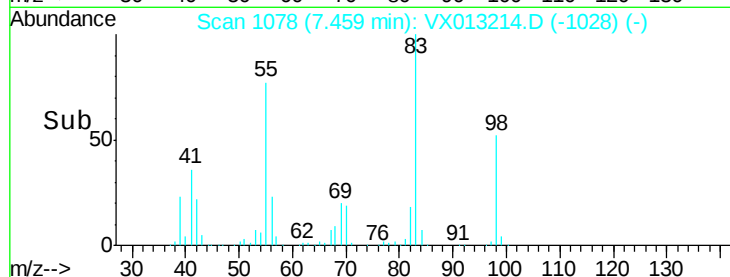
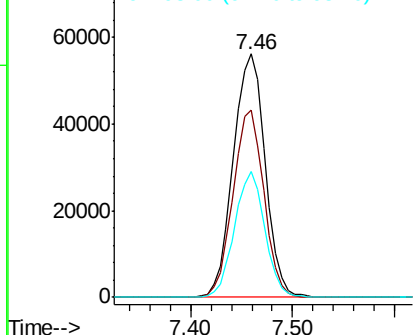
#39
Methvlcvclohexane
Concen: 48.312 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion: 83 Resp: 121548
Ion Ratio Lower Upper
83 100
55 76.7 60.1 90.1
98 51.6 39.8 59.8

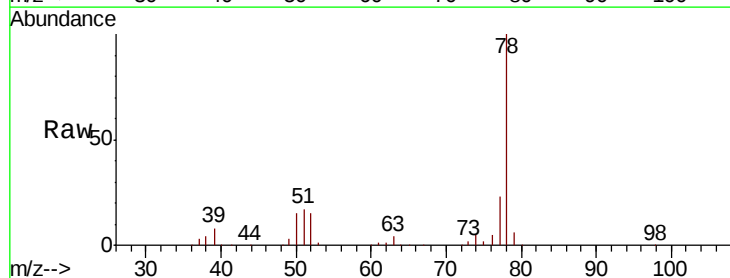


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

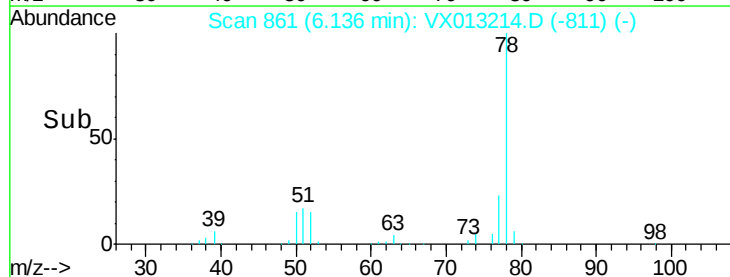
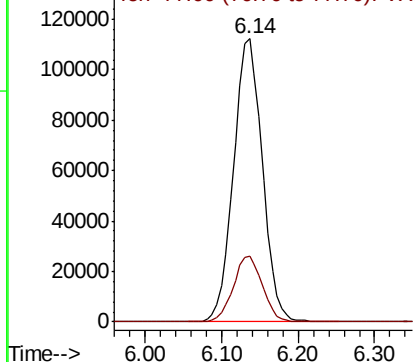


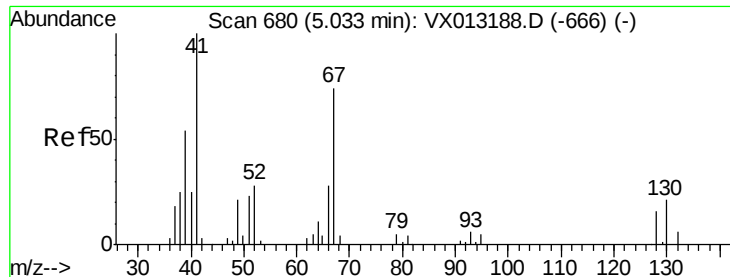
#40
Benzene
Concen: 49.698 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 78 Resp: 293368
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

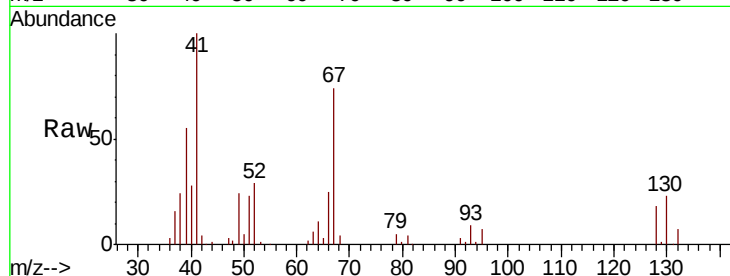




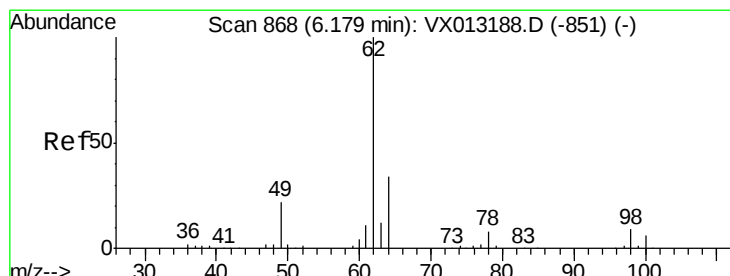
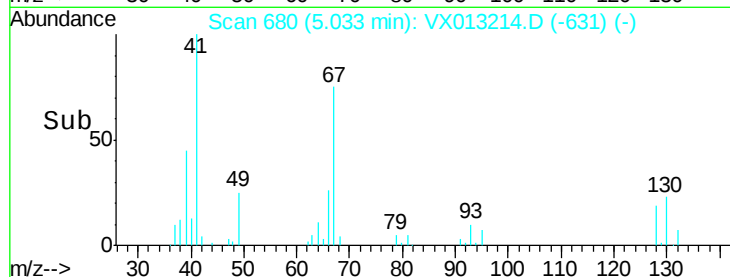
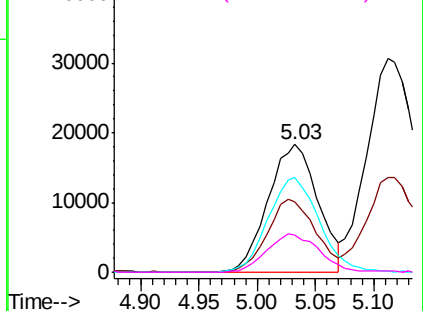
#41
Methacrylonitrile
Concen: 51.888 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampled :
S32-0670MS

Tot Ion: 41 Resp: 54481
Ion Ratio Lower Upper
41 100
39 55.3 45.2 67.8
67 75.7 61.3 91.9
52 32.0 25.1 37.7

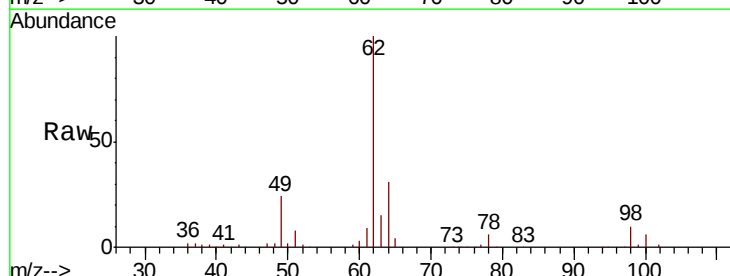


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

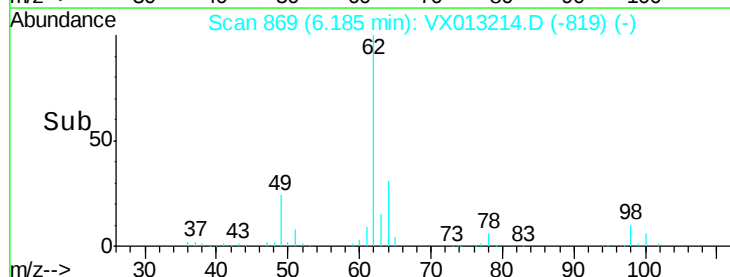
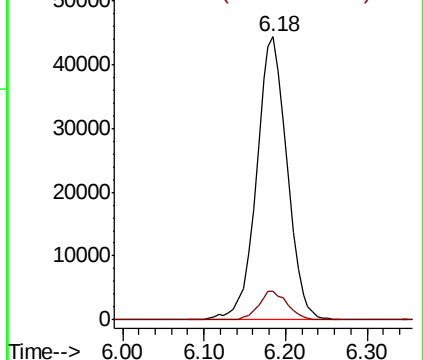


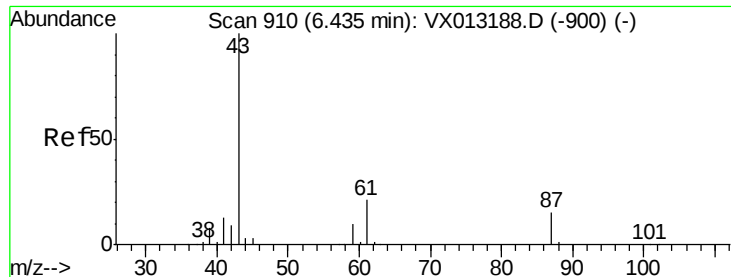
#42
1,2-Dichloroethane
Concen: 51.991 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 62 Resp: 115713
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.271 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

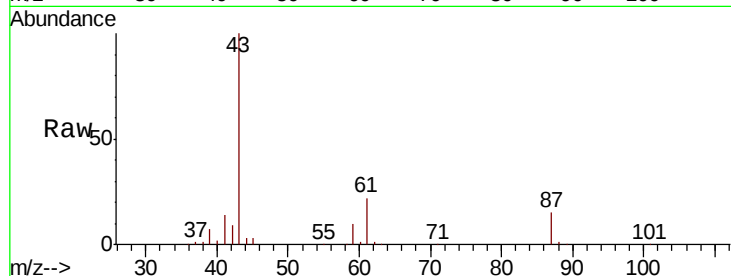
Tot Ion: 43 Resp: 163461

Ion Ratio Lower Upper

43 100

61 21.1 17.0 25.4

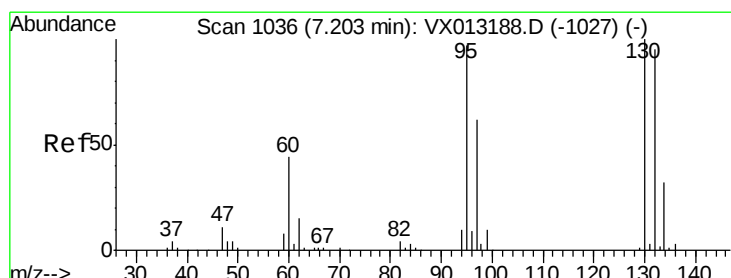
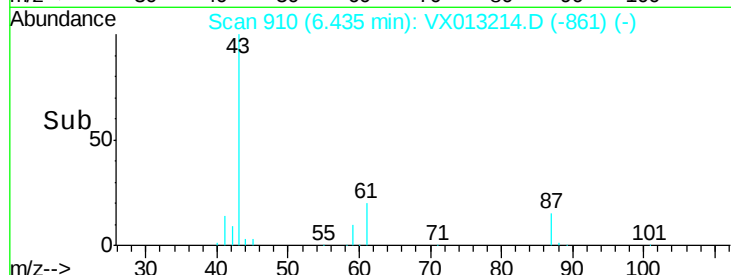
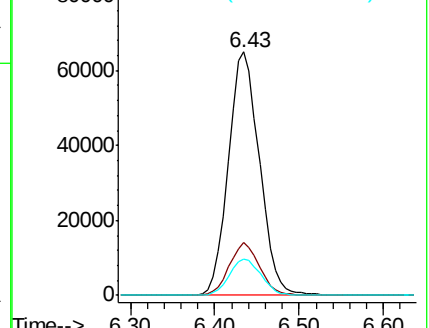
87 15.3 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 1412.841 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013214.D

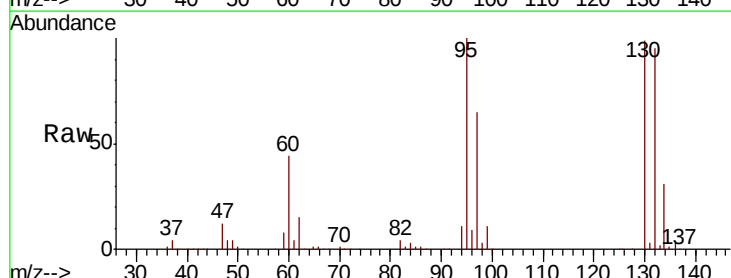
Acq: 24 Oct 2019 16:15

Tgt Ion:130 Resp: 2367004

Ion Ratio Lower Upper

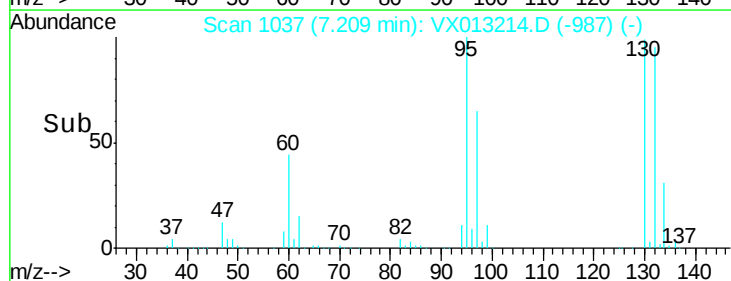
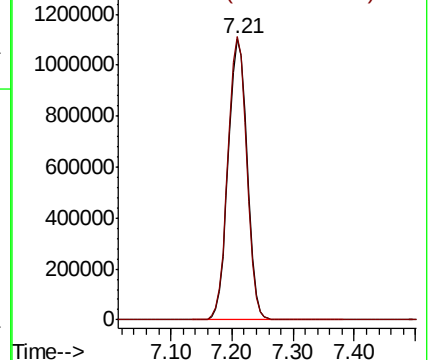
130 100

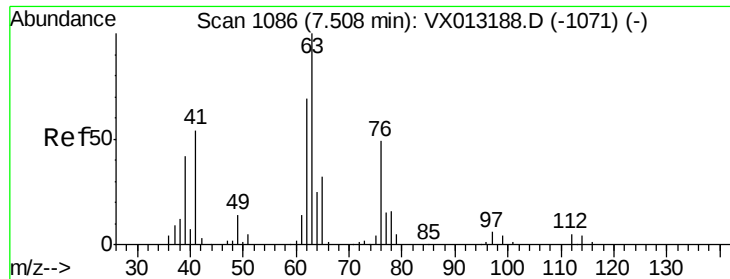
95 100.7 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

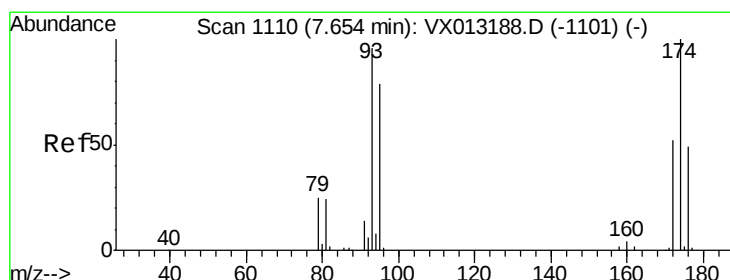
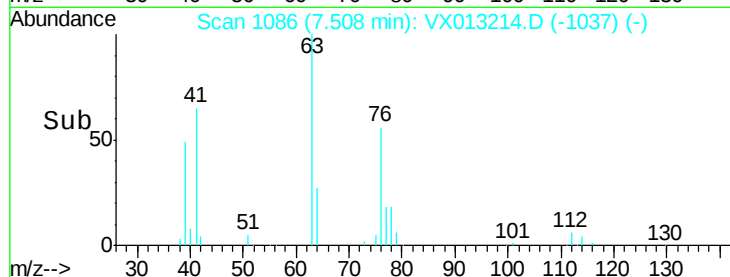
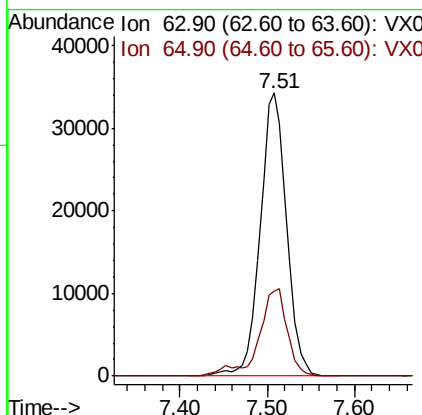
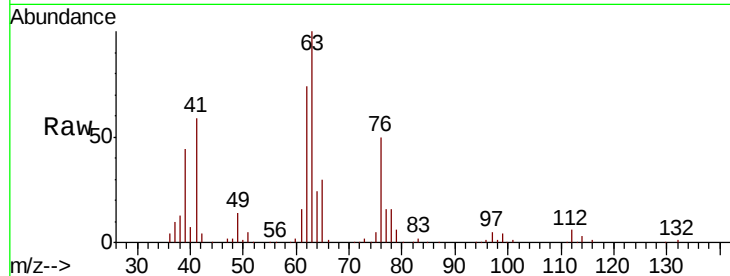




#45
 1,2-Dichloropropane
 Concen: 48.820 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

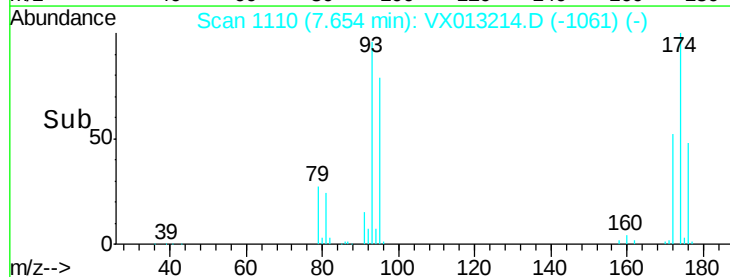
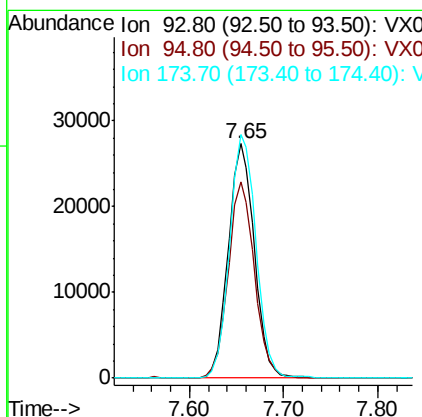
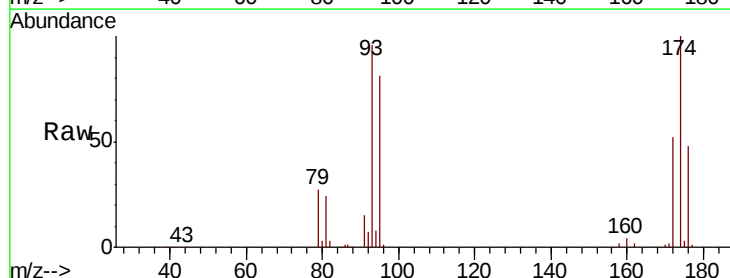
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

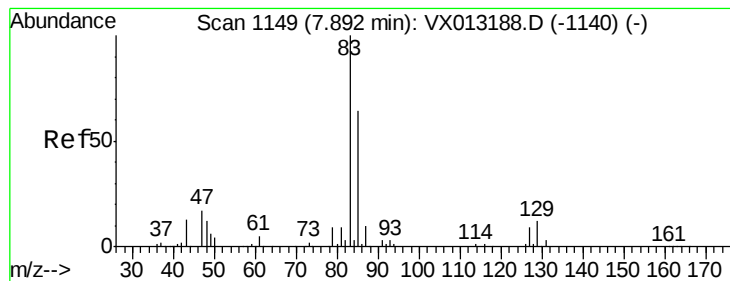
Tot Ion: 63 Resp: 72179
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.3 37.9



#46
 Dibromomethane
 Concen: 49.146 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 93 Resp: 52350
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.2 99.4
 174 105.2 85.2 127.8





#47

Bromodichloromethane

Concen: 52.035 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

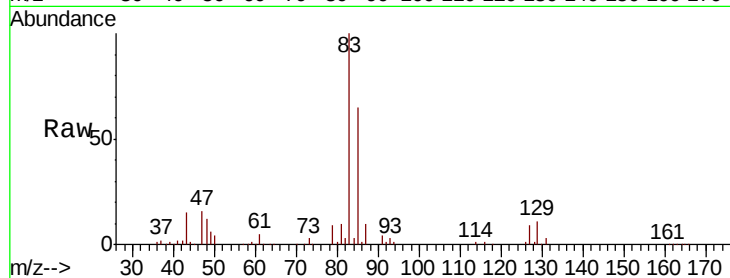
Tot Ion: 83 Resp: 108017

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.6

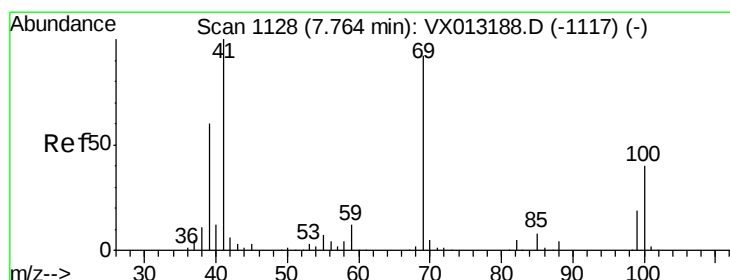
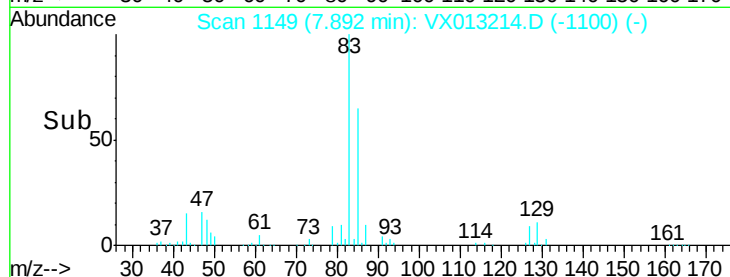
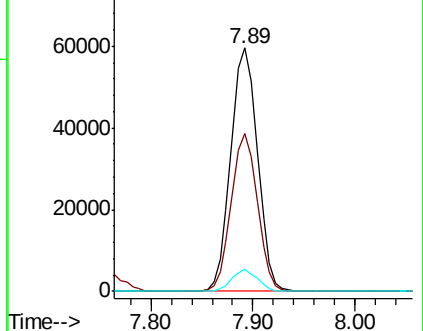
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.686 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

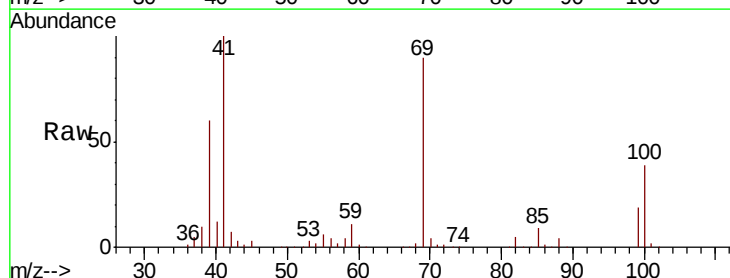
Tgt Ion: 41 Resp: 79851

Ion Ratio Lower Upper

41 100

69 90.2 72.0 108.0

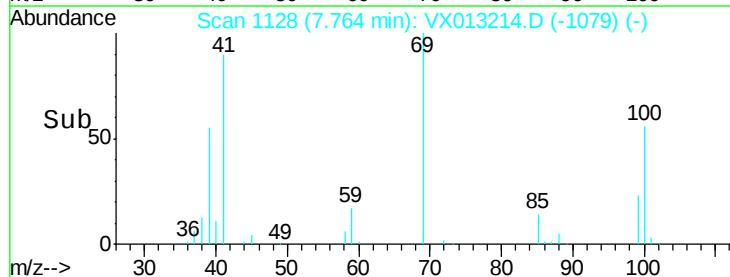
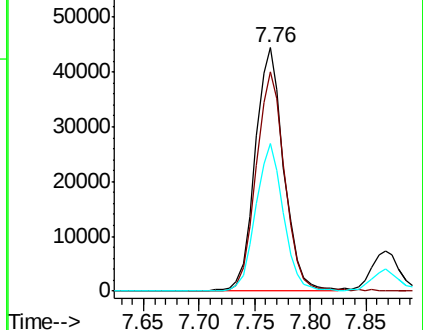
39 59.0 47.4 71.0

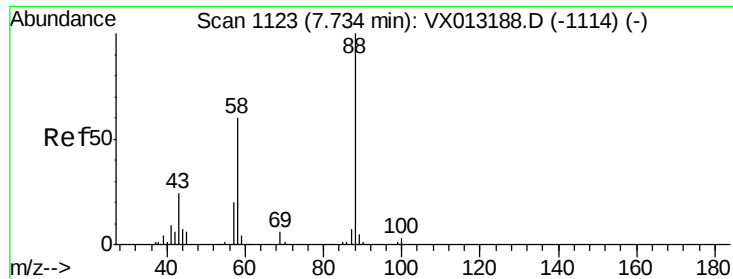


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

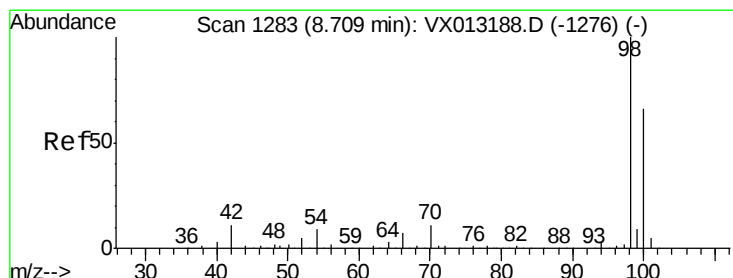
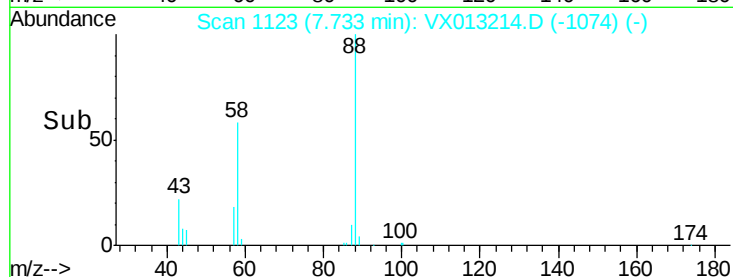
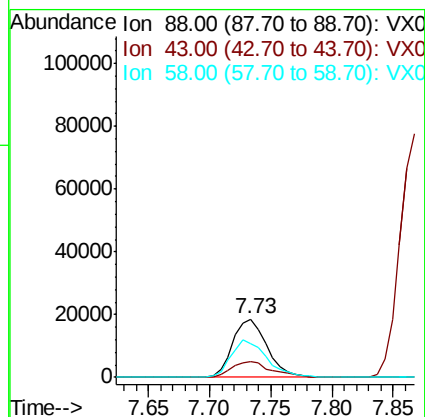
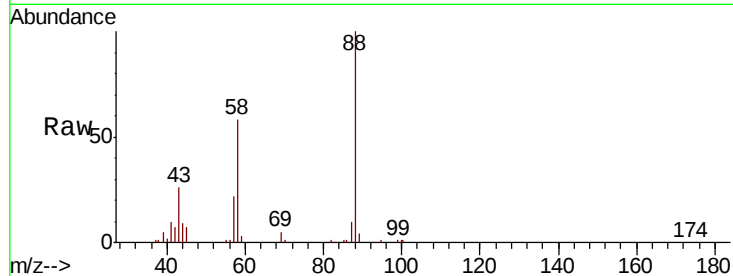




#49
1,4-Dioxane
Concen: 880.944 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

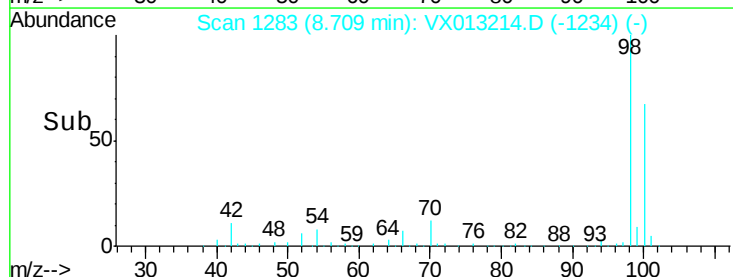
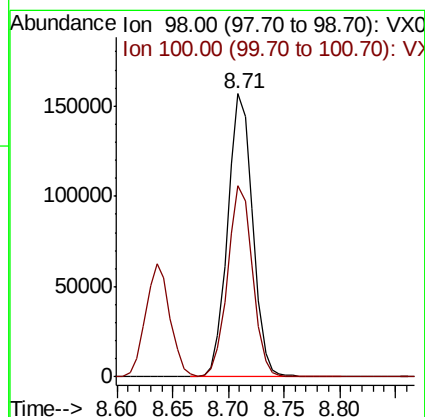
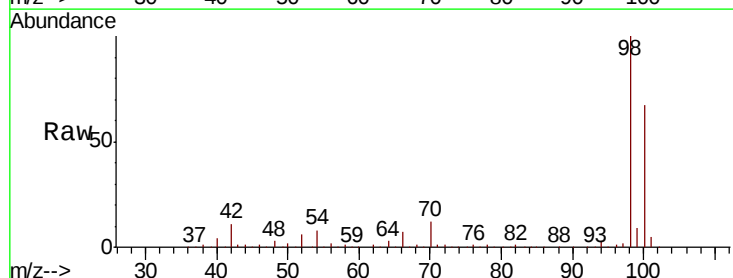
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

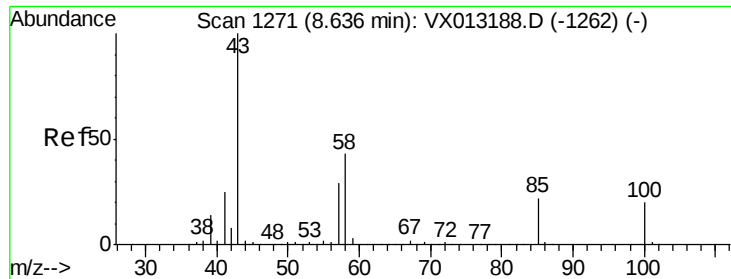
Tot Ion: 88 Resp: 36033
Ion Ratio Lower Upper
88 100
43 31.6 24.5 36.7
58 66.8 54.1 81.1



#50
Toluene-d8
Concen: 50.296 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 98 Resp: 244276
Ion Ratio Lower Upper
98 100
100 67.1 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 248.641 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

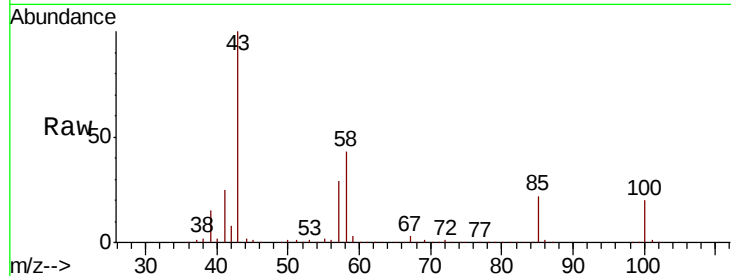
S32-0670MS

Tot Ion: 43 Resp: 492792

Ion Ratio Lower Upper

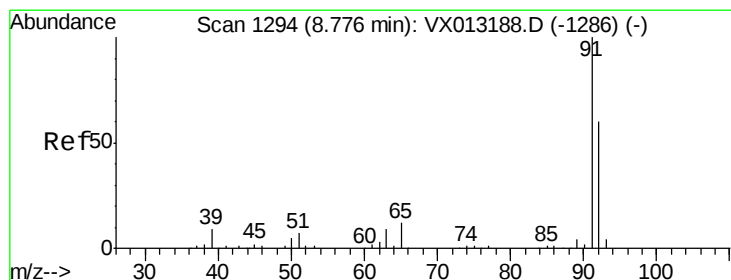
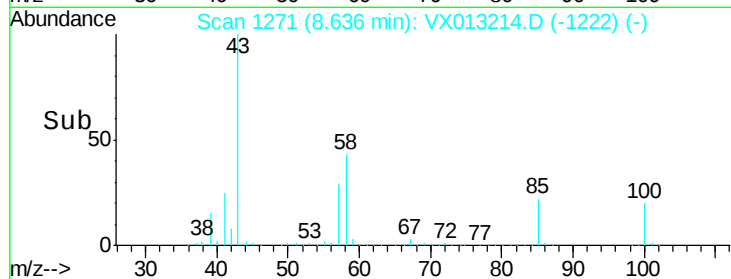
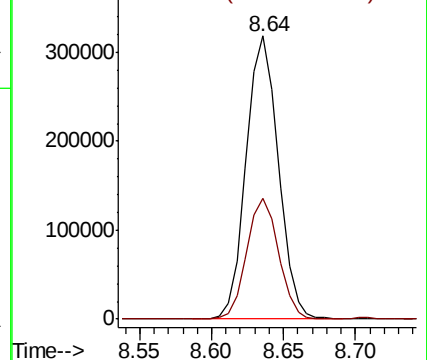
43 100

58 42.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.234 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013214.D

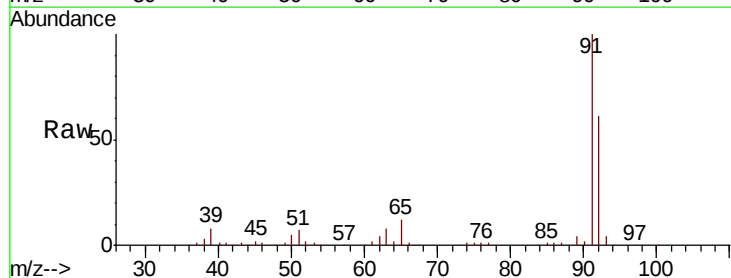
Acq: 24 Oct 2019 16:15

Tgt Ion: 92 Resp: 192604

Ion Ratio Lower Upper

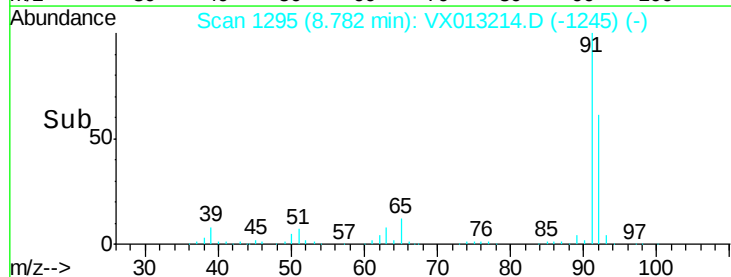
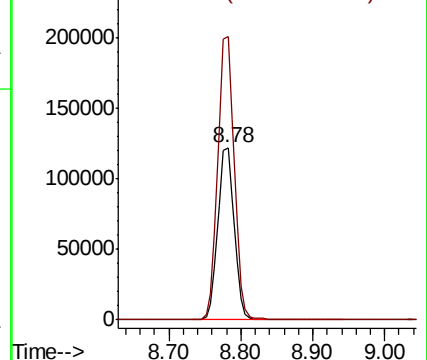
92 100

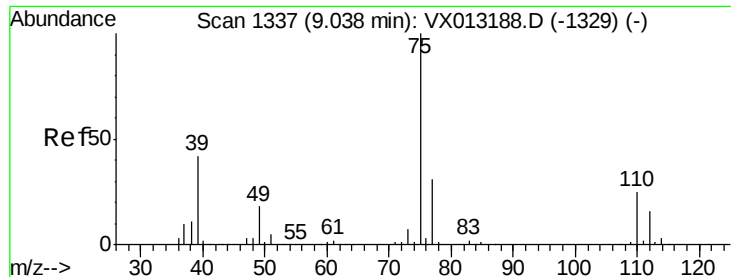
91 165.2 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

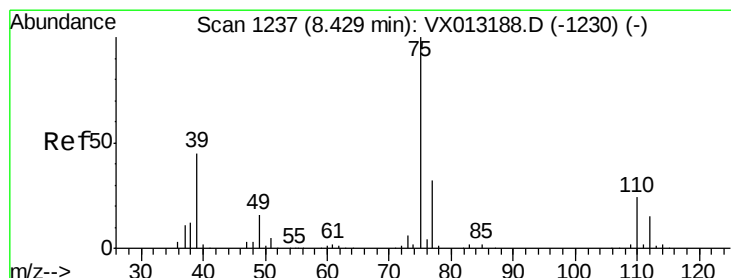
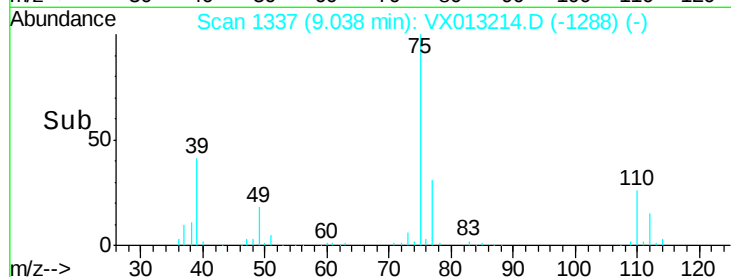
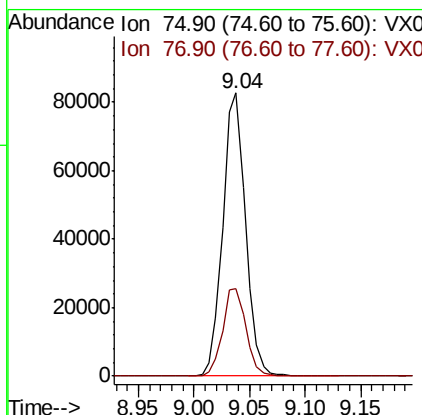
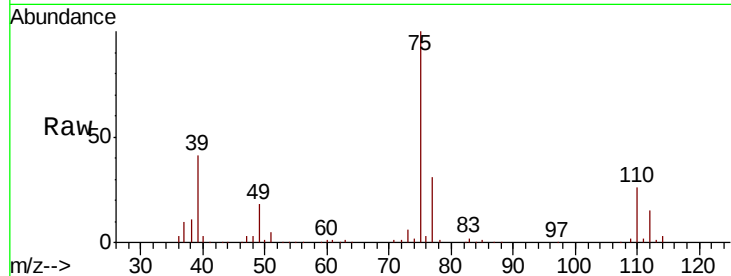




#53
 t-1,3-Dichloropropene
 Concen: 53.160 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

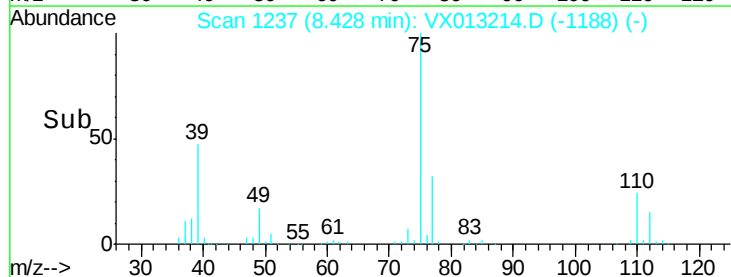
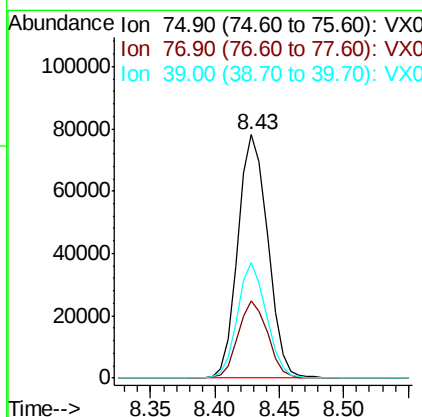
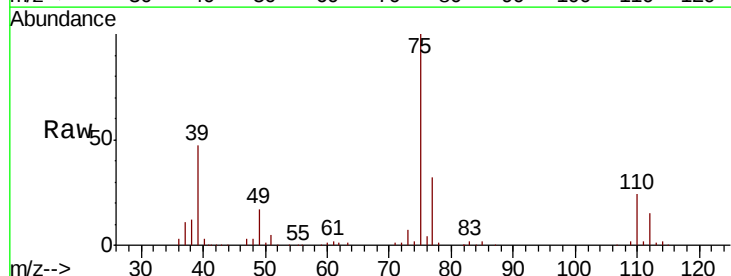
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

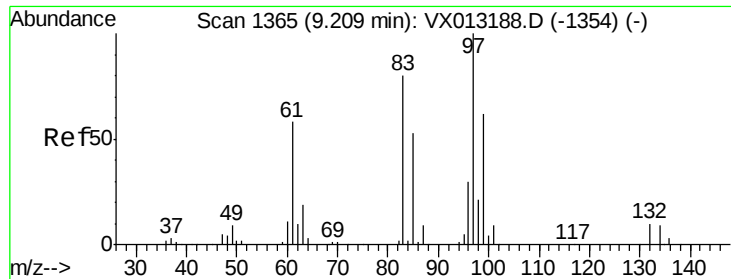
Tot Ion: 75 Resp: 117270
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.293 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 75 Resp: 126193
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0
 39 47.2 36.2 54.4

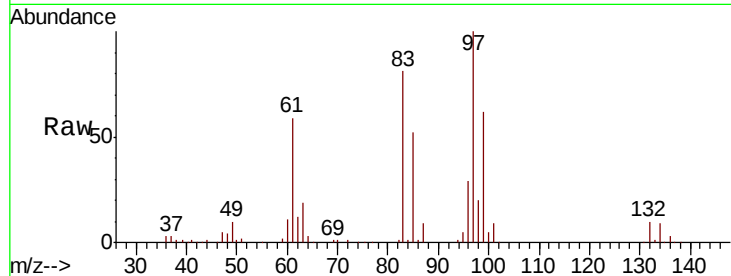




#55
 1,1,2-Trichloroethane
 Concen: 50.105 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion:	97	Resp:	77495
Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.1	96.1
85	52.1	42.1	63.1
99	61.7	49.4	74.2



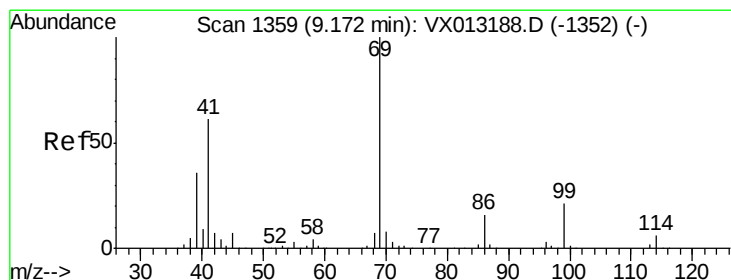
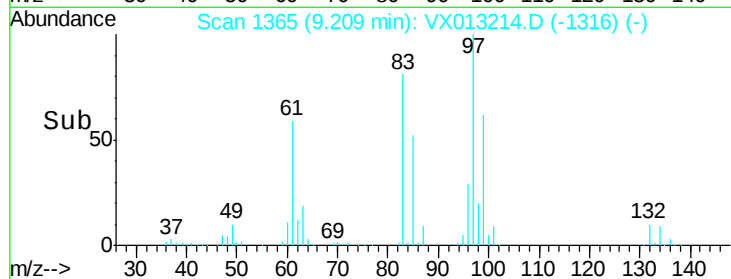
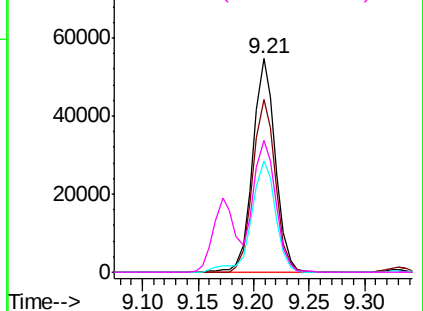
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

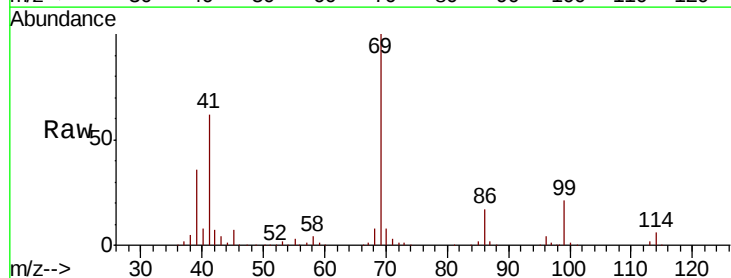
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 51.324 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion:	69	Resp:	119473
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.5	74.3
39	35.8	28.3	42.5

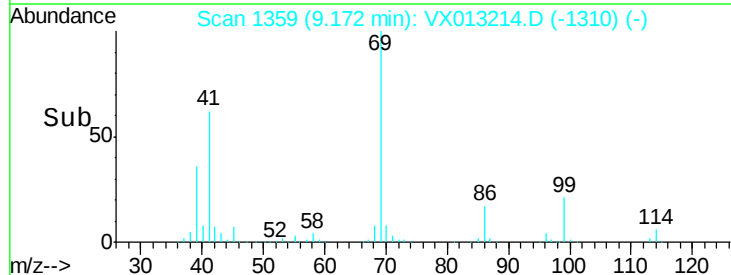
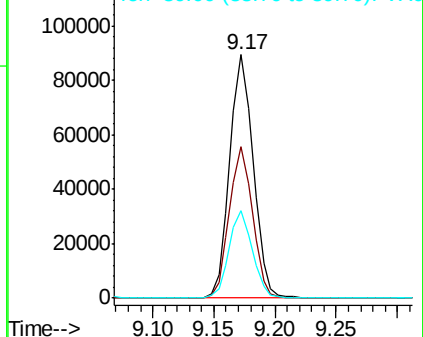


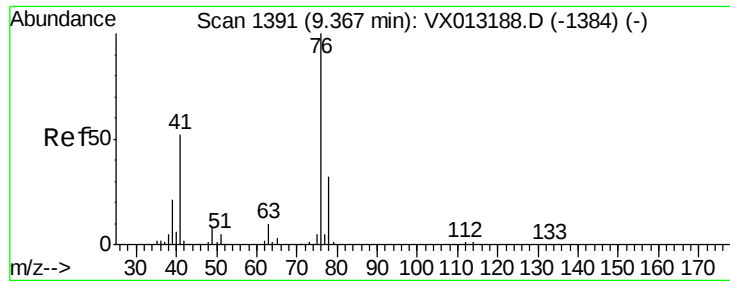
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.697 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

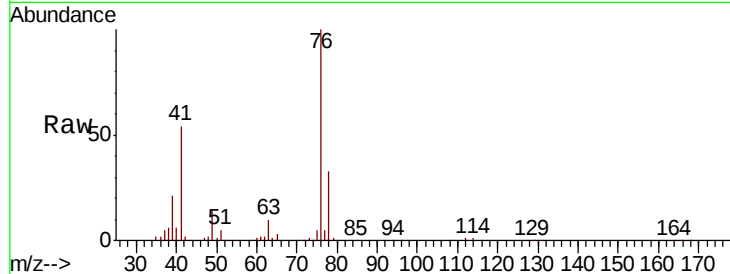
S32-0670MS

Tot Ion: 76 Resp: 127083

Ion Ratio Lower Upper

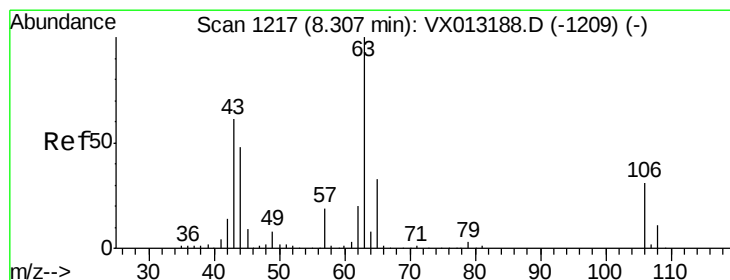
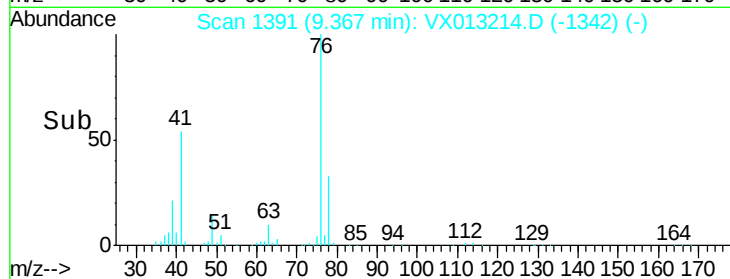
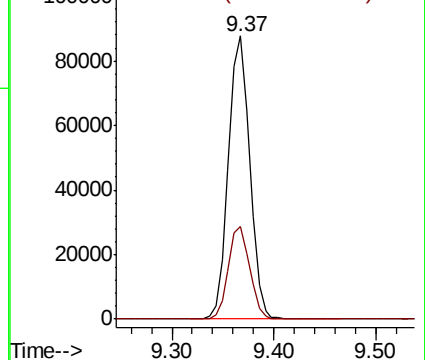
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 43.167 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013214.D

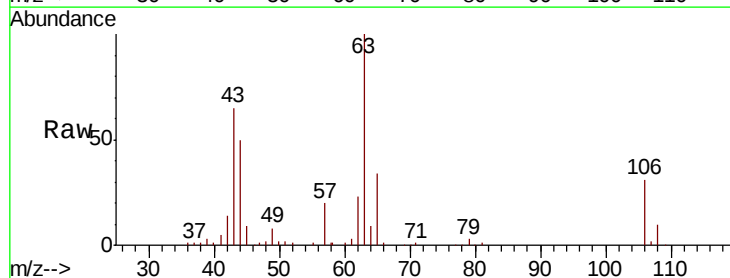
Acq: 24 Oct 2019 16:15

Tgt Ion: 63 Resp: 39209

Ion Ratio Lower Upper

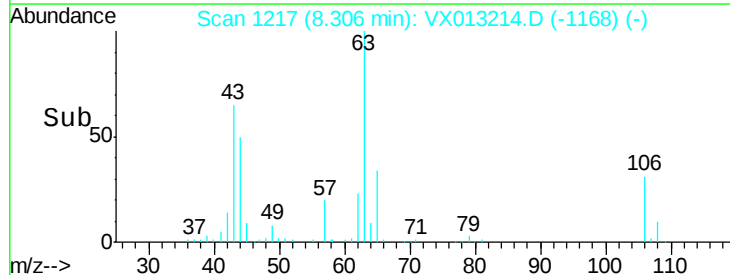
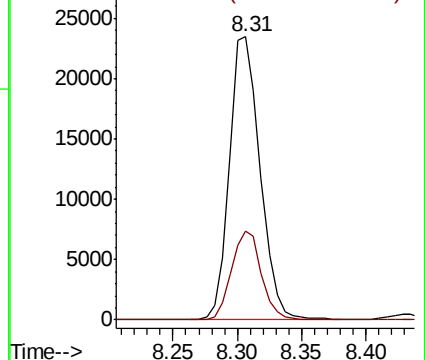
63 100

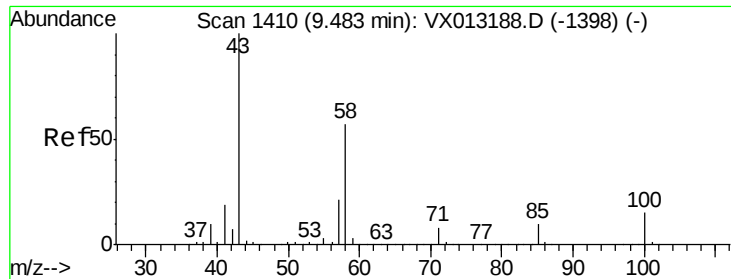
106 30.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

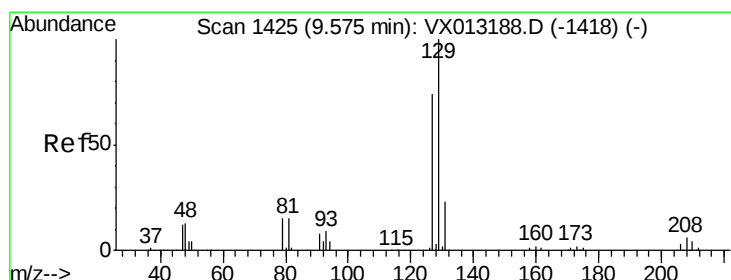
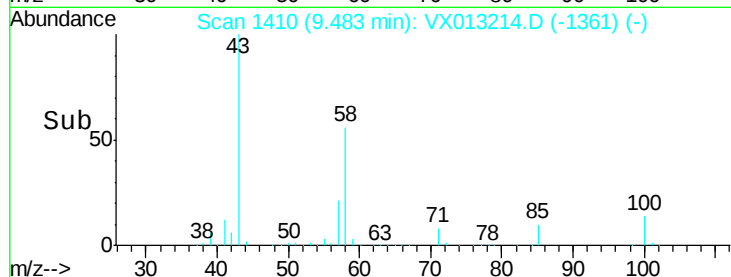
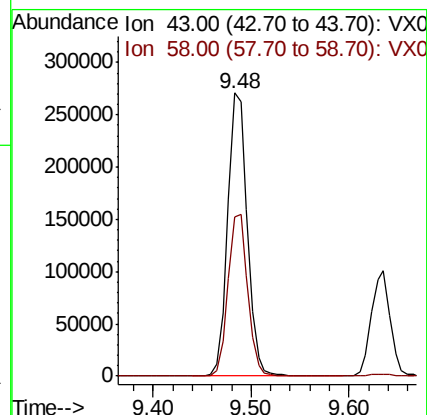
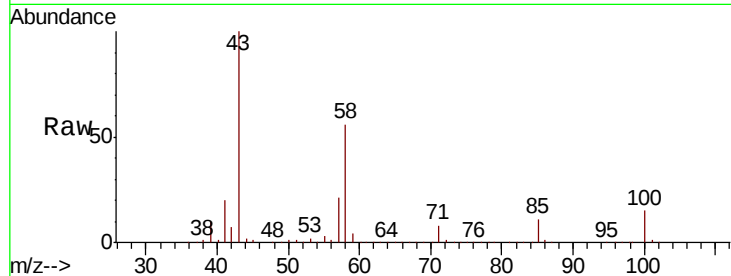




#59
2-Hexanone
Concen: 246.659 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

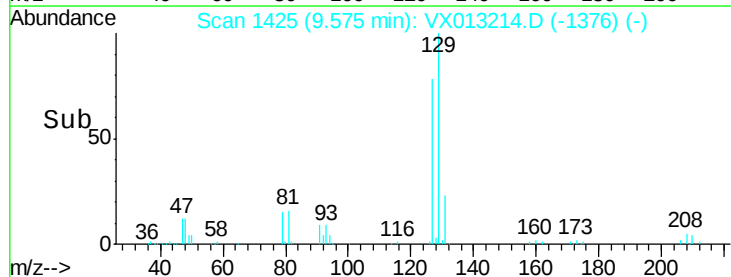
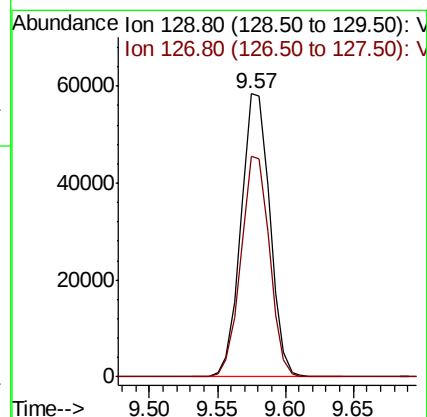
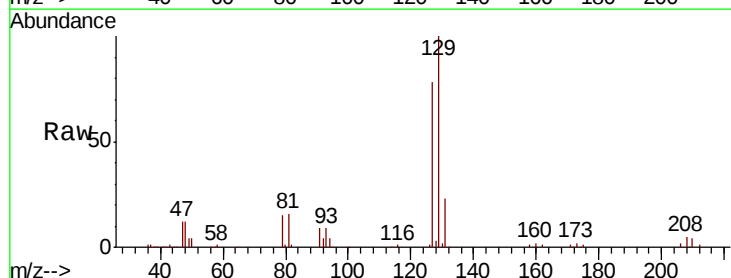
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

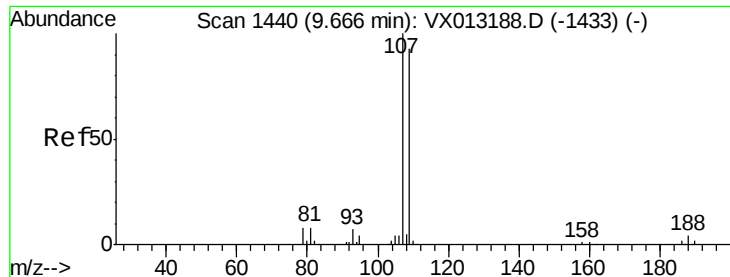
Tot Ion: 43 Resp: 376568
Ion Ratio Lower Upper
43 100
58 57.7 28.2 84.7



#60
Dibromochloromethane
Concen: 53.395 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 129 Resp: 86536
Ion Ratio Lower Upper
129 100
127 77.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.983 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

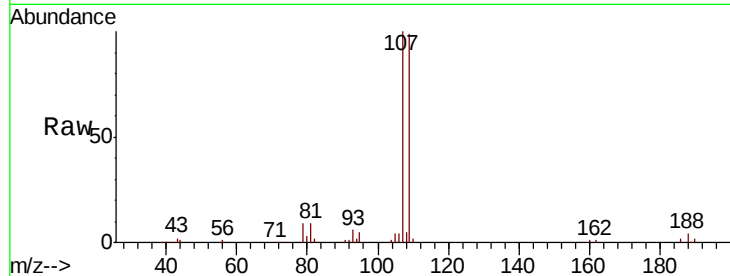
S32-0670MS

Tot Ion:107 Resp: 82070

Ion Ratio Lower Upper

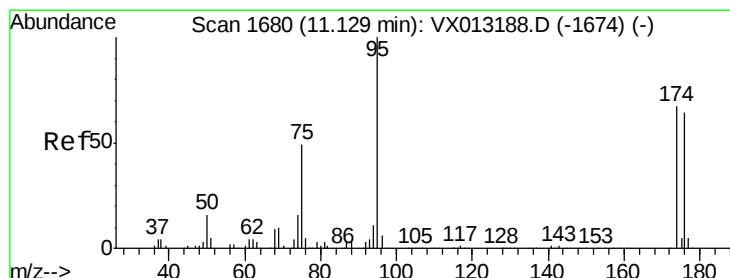
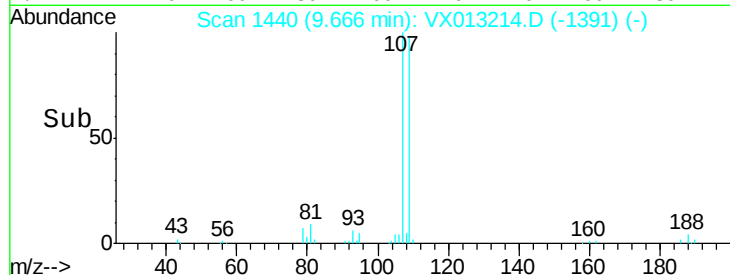
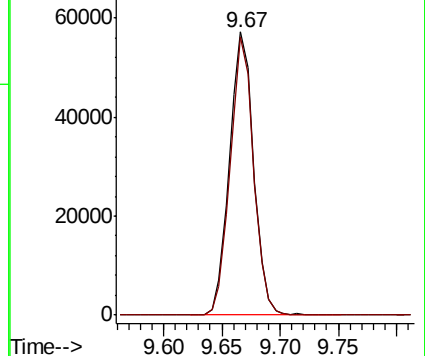
107 100

109 95.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.482 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

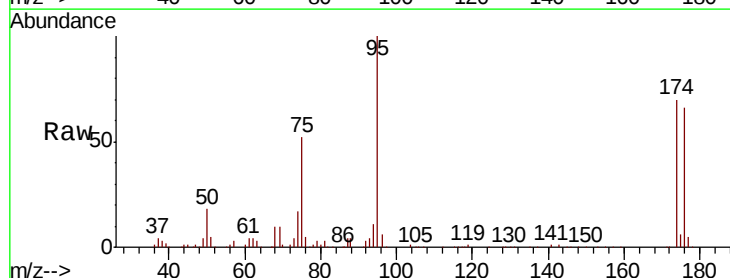
Tgt Ion: 95 Resp: 97041

Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.4

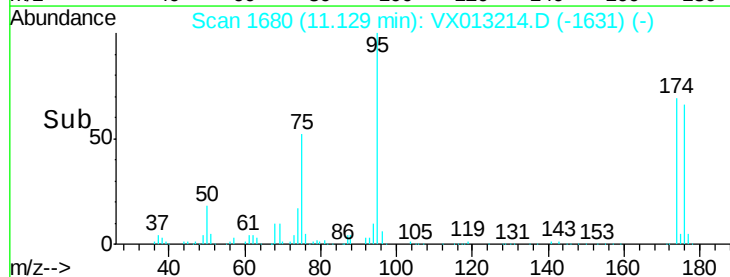
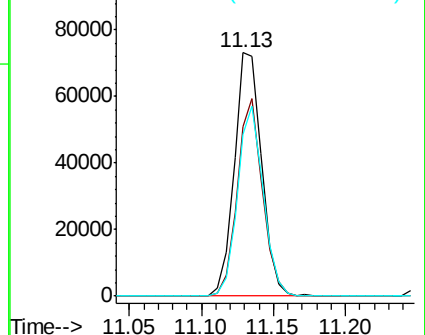
176 73.3 0.0 146.0

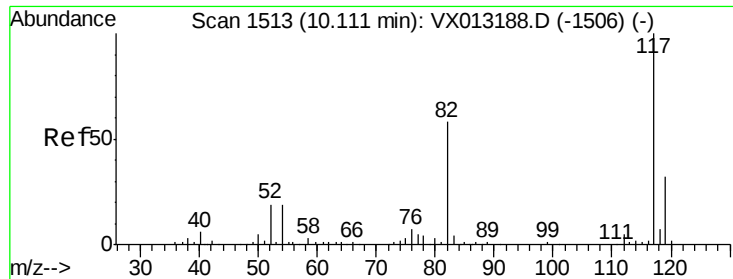


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

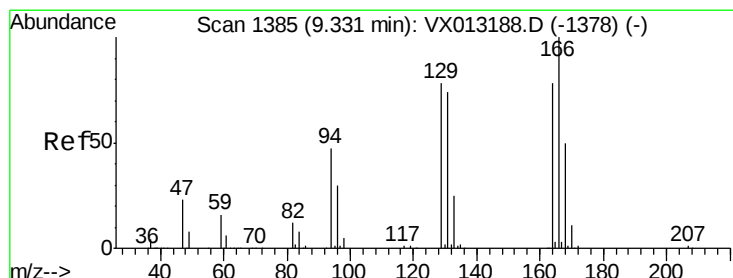
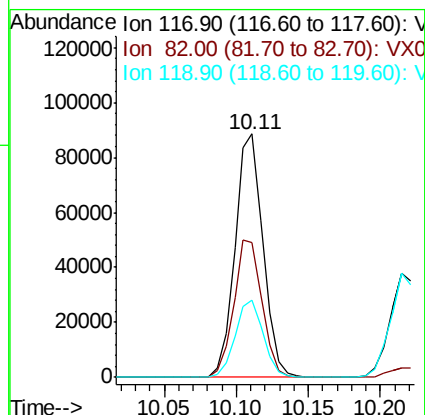
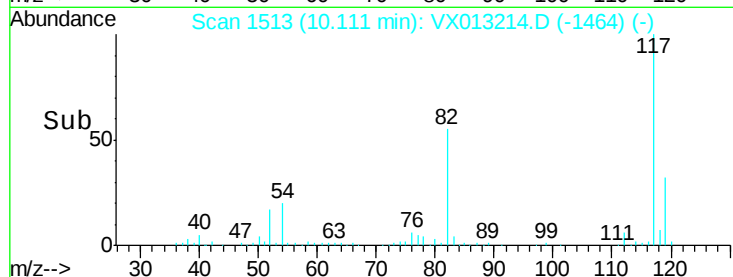
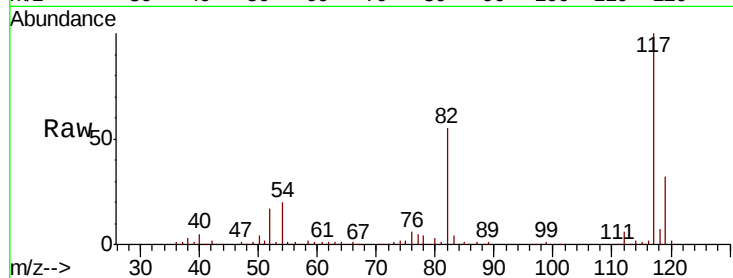




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

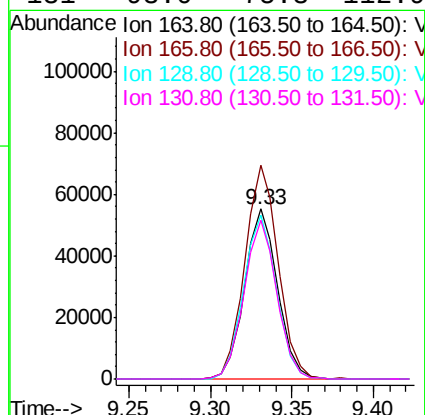
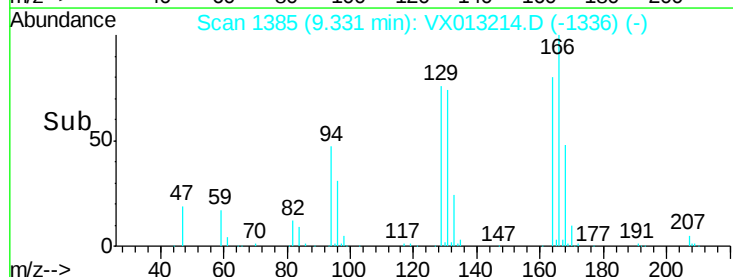
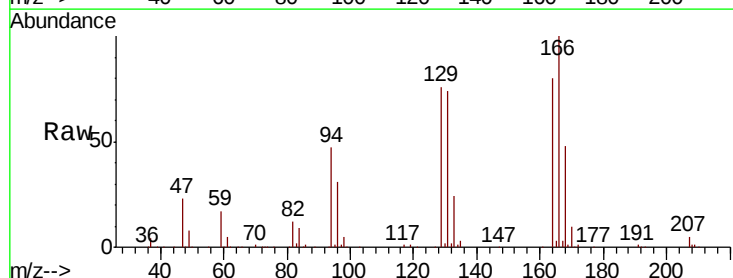
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

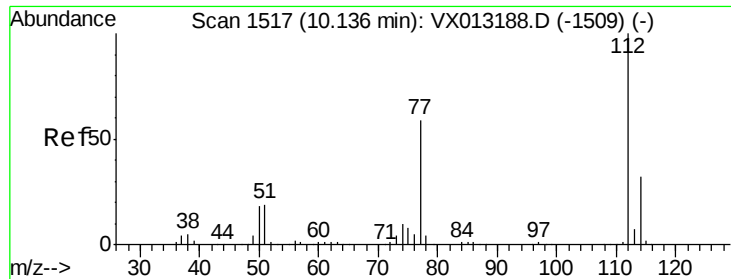
Tot Ion:117 Resp: 120289
Ion Ratio Lower Upper
117 100
82 55.3 46.5 69.7
119 31.9 25.2 37.8



#64
Tetrachloroethene
Concen: 52.382 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion:164 Resp: 77610
Ion Ratio Lower Upper
164 100
166 125.5 102.2 153.4
129 96.0 79.8 119.8
131 93.0 75.3 112.9

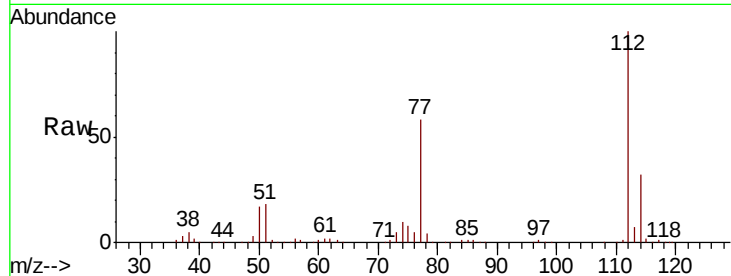




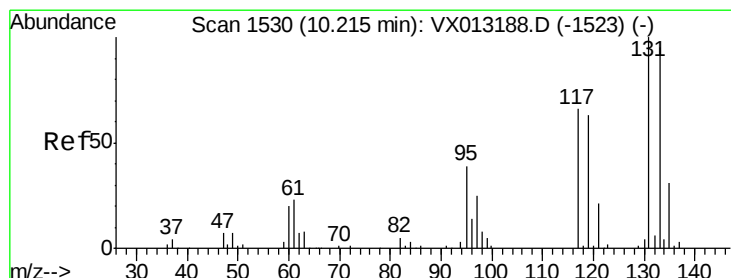
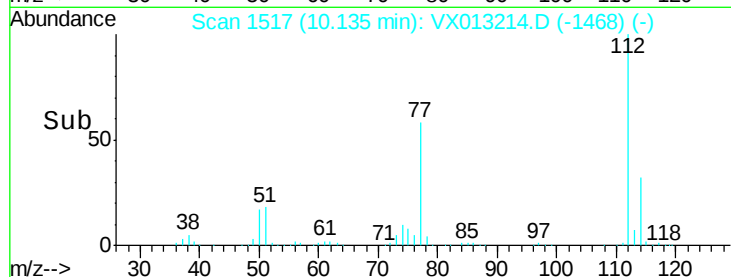
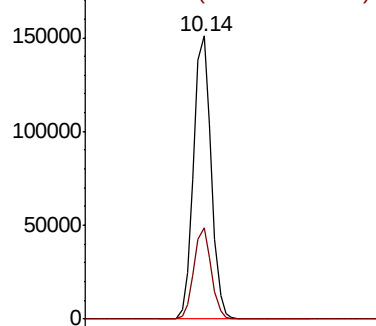
#65
Chlorobenzene
Concen: 48.747 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

Tot Ion:112 Resp: 205262
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

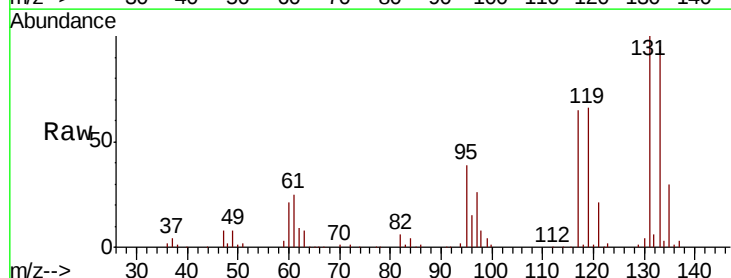


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

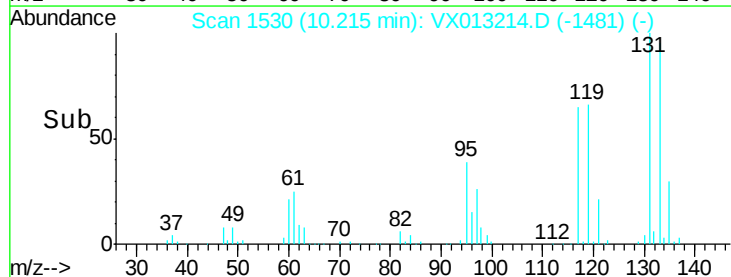
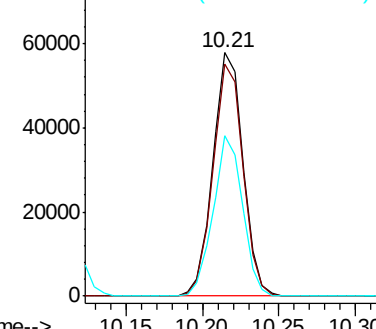


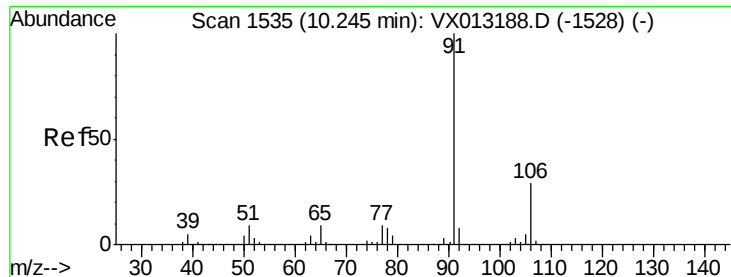
#66
1,1,1,2-Tetrachloroethane
Concen: 50.702 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion:131 Resp: 78869
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.2
119 64.5 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

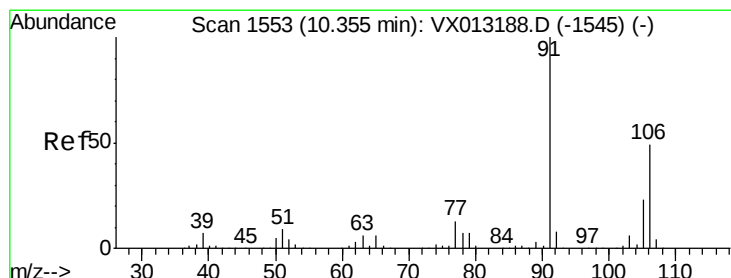
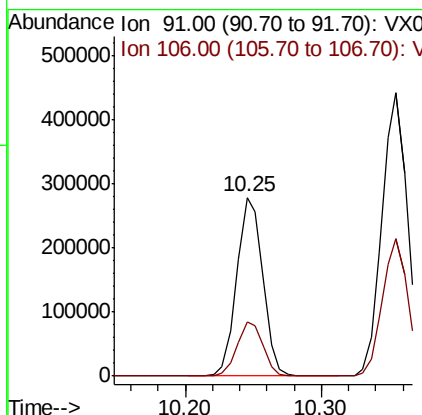
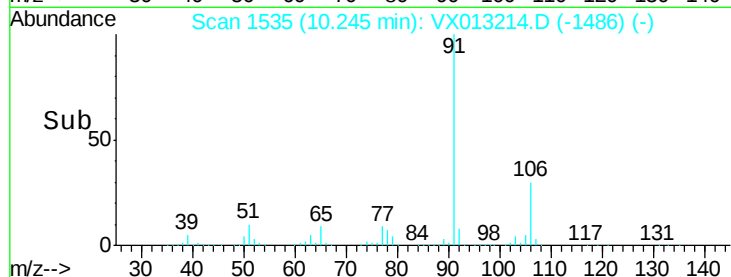
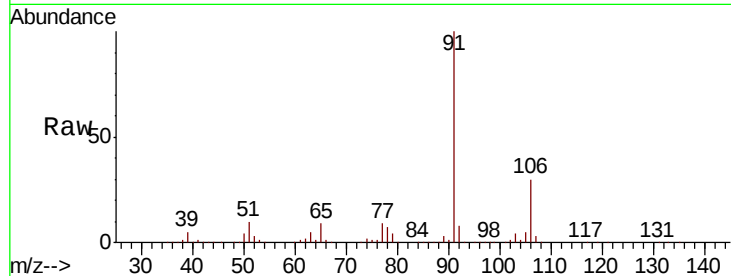




#67
Ethyl Benzene
Concen: 49.008 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

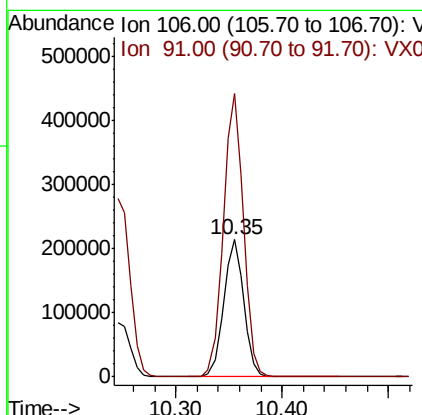
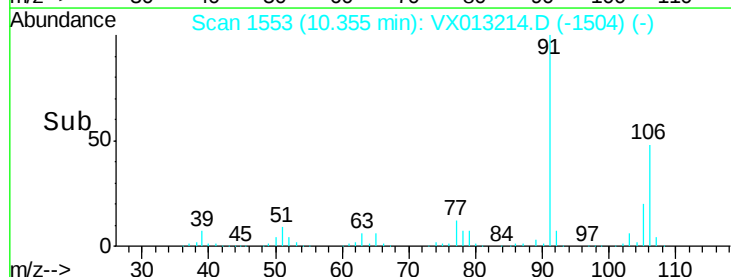
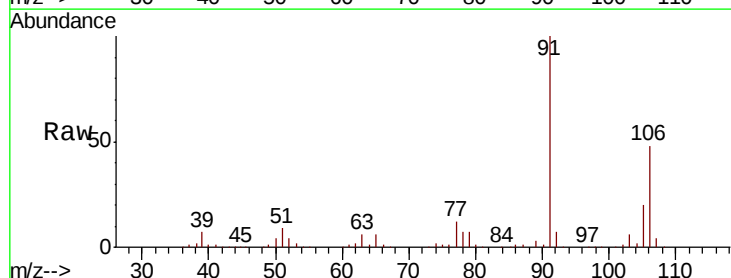
Instrument :
MSVOA_X
ClientSampleId :
S32-0670MS

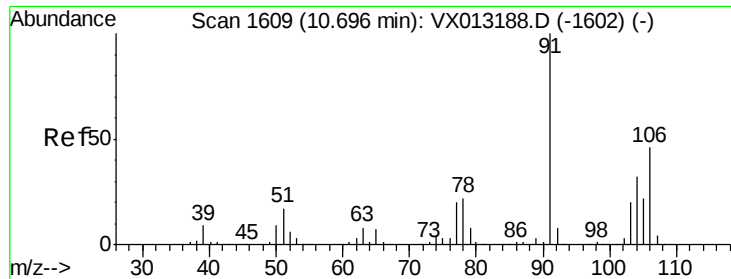
Tot Ion: 91 Resp: 369435
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 98.646 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion: 106 Resp: 281027
Ion Ratio Lower Upper
106 100
91 206.5 166.8 250.2

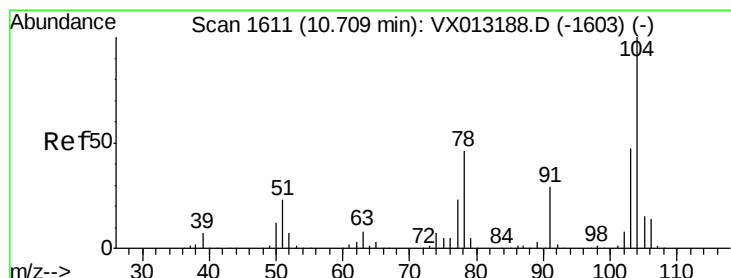
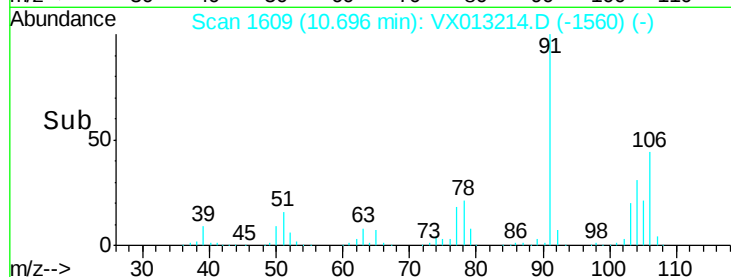
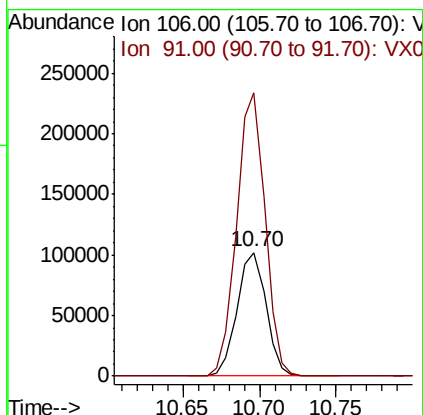
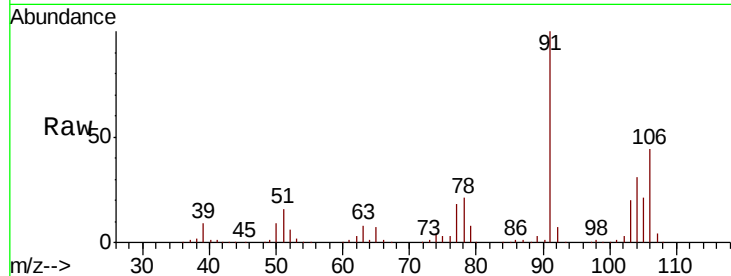




#69
o-Xylene
Concen: 49.019 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

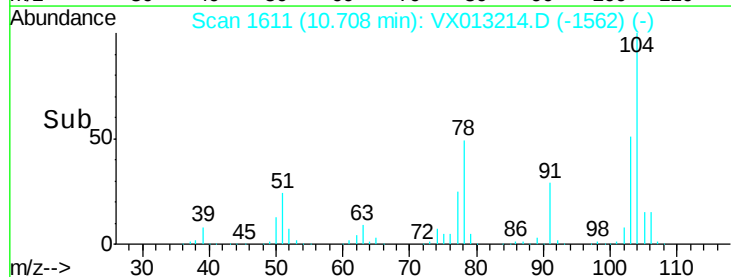
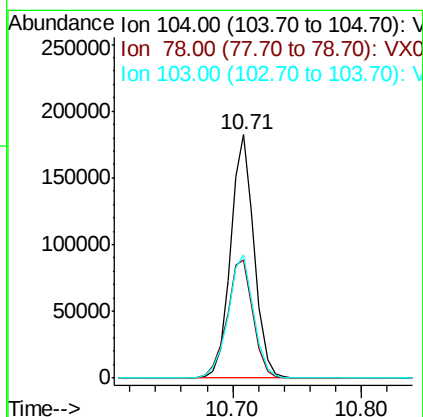
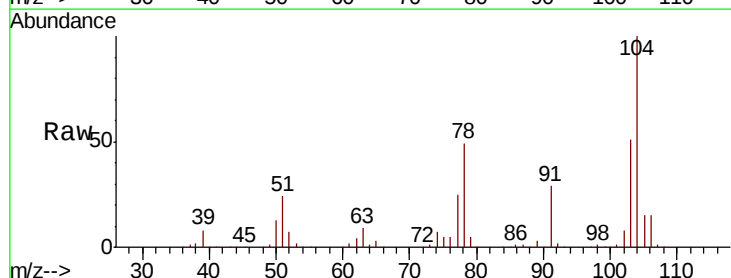
Instrument :
MSVOA_X
ClientSampled :
S32-0670MS

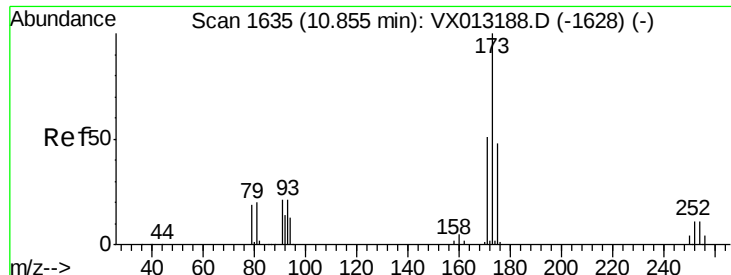
Tot Ion:106 Resp: 133962
Ion Ratio Lower Upper
106 100
91 225.1 110.7 331.9



#70
Styrene
Concen: 49.135 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion:104 Resp: 231218
Ion Ratio Lower Upper
104 100
78 54.6 42.2 63.4
103 55.3 42.8 64.2





#71

Bromoform

Concen: 53.235 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

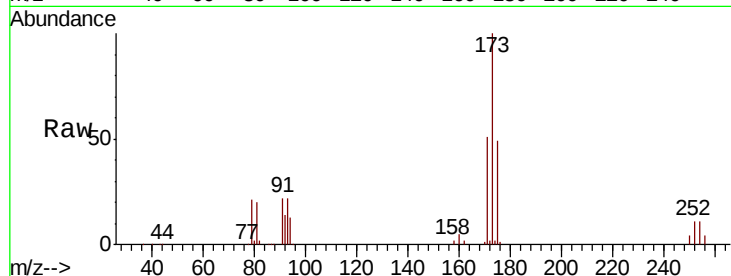
Tot Ion:173 Resp: 60507

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

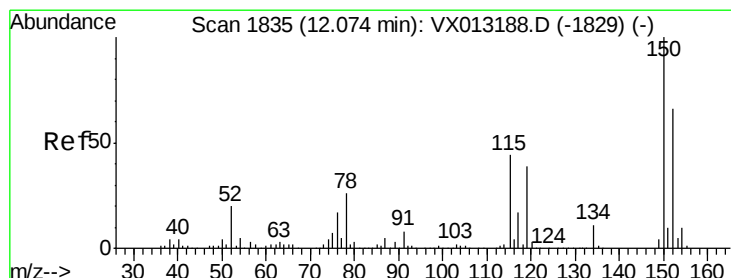
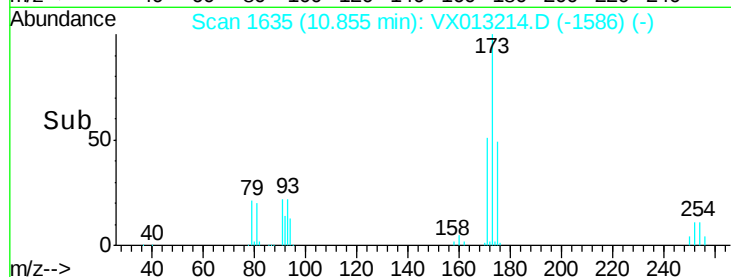
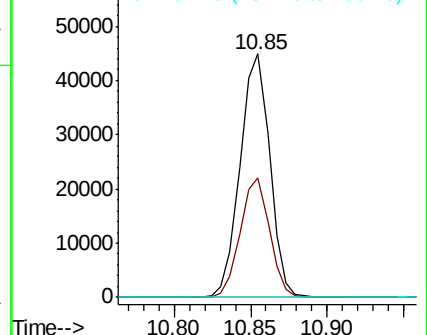
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

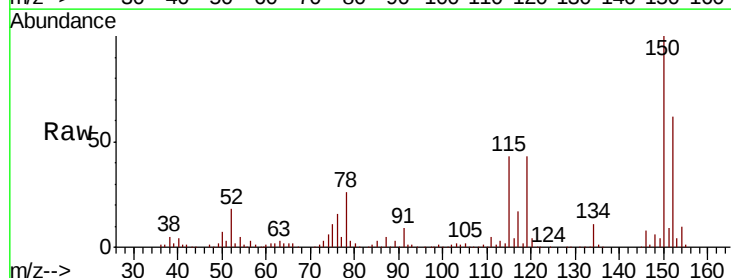
Tgt Ion:152 Resp: 82050

Ion Ratio Lower Upper

152 100

115 94.7 46.6 139.8

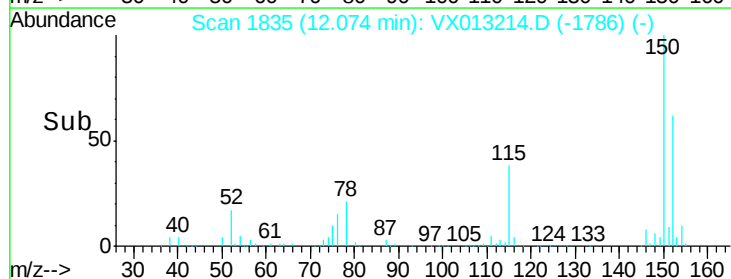
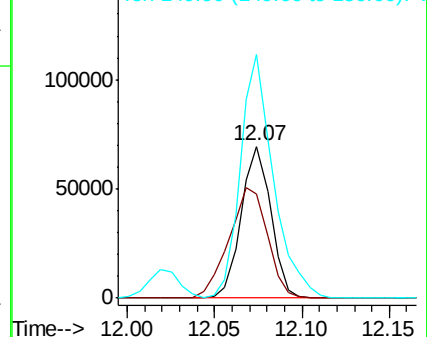
150 178.1 0.0 354.0

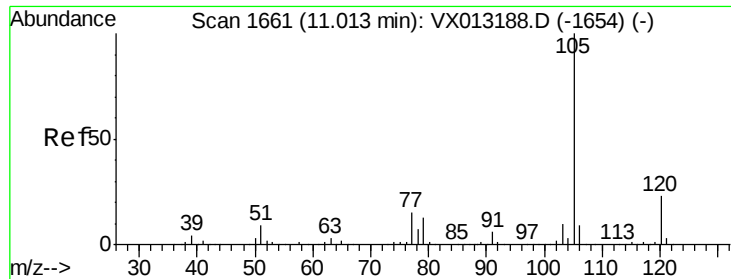


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.760 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

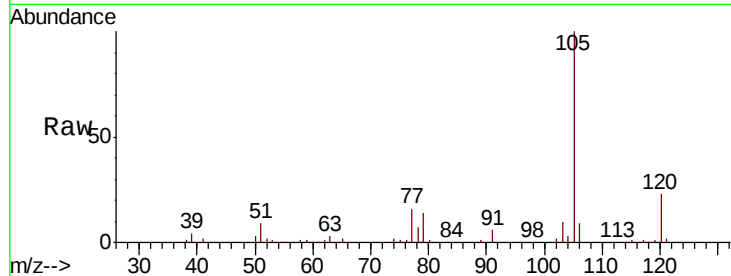
S32-0670MS

Tot Ion:105 Resp: 370754

Ion Ratio Lower Upper

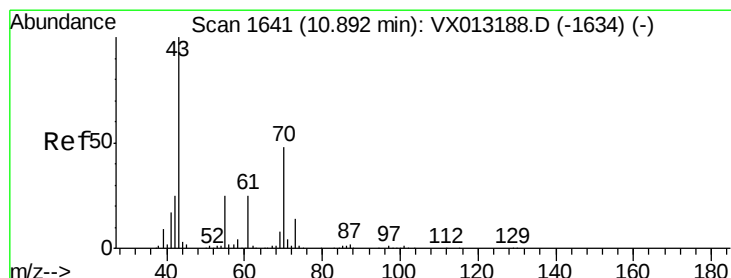
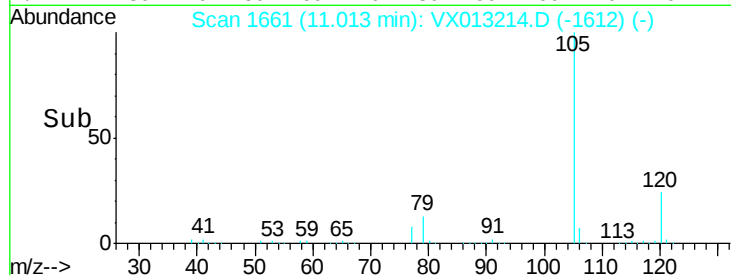
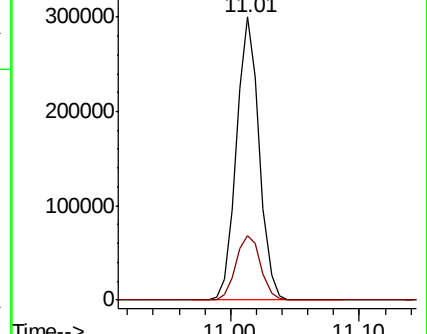
105 100

120 25.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.525 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Tgt Ion: 43 Resp: 138171

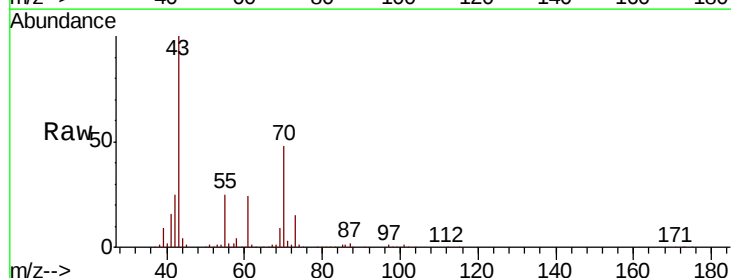
Ion Ratio Lower Upper

43 100

70 49.0 38.5 57.7

55 26.1 20.7 31.1

61 26.1 20.8 31.2

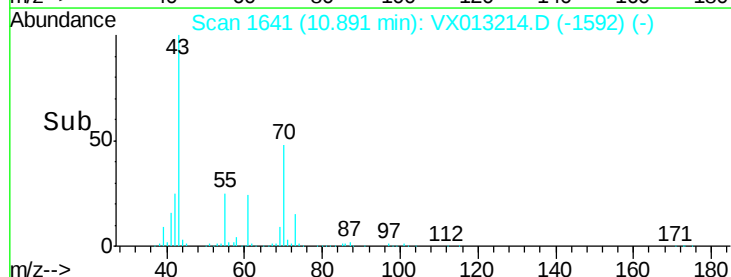
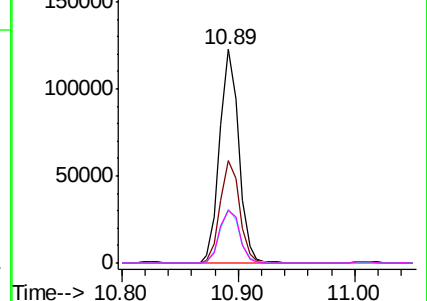


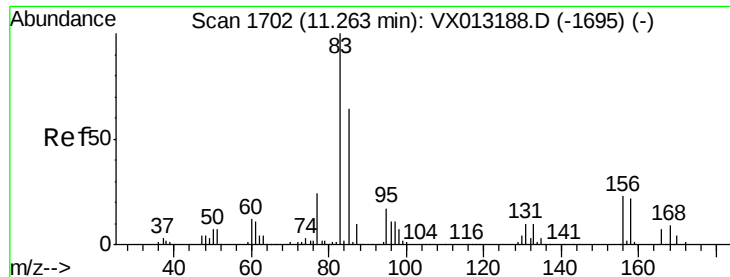
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.793 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

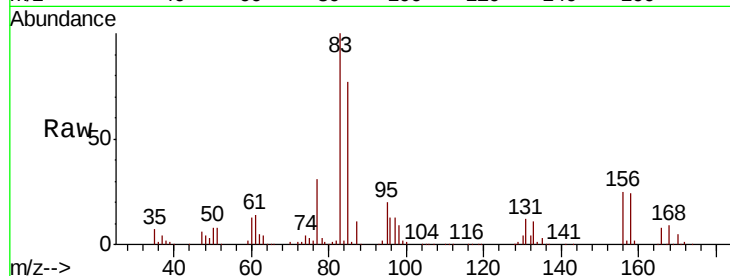
Tot Ion: 83 Resp: 108125

Ion Ratio Lower Upper

83 100

131 11.3 5.3 16.1

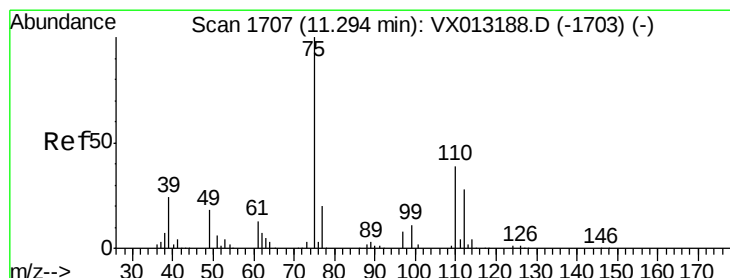
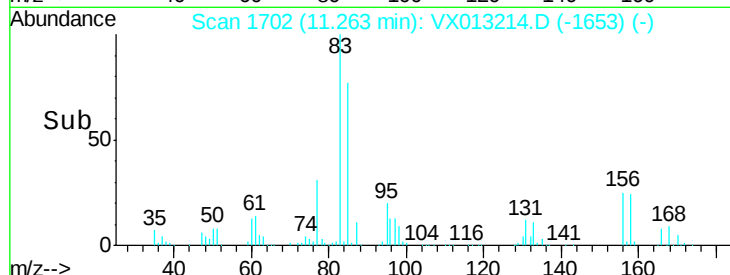
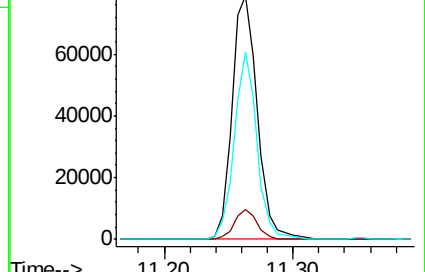
85 69.5 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 68.100 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013214.D

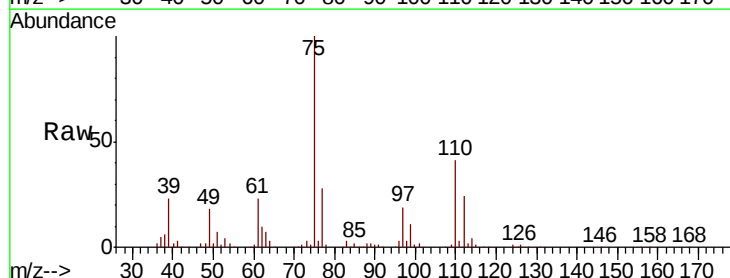
Acq: 24 Oct 2019 16:15

Tgt Ion: 75 Resp: 134672

Ion Ratio Lower Upper

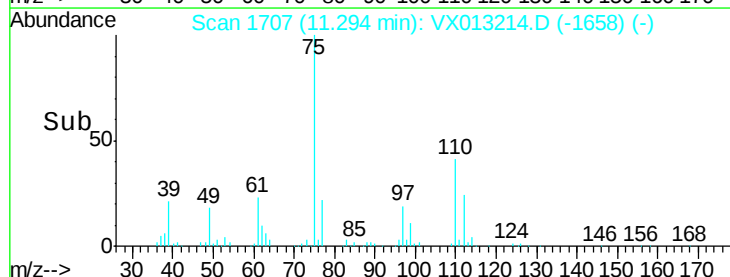
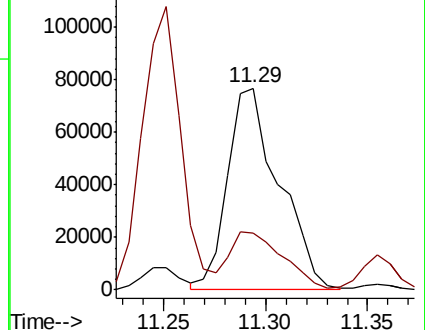
75 100

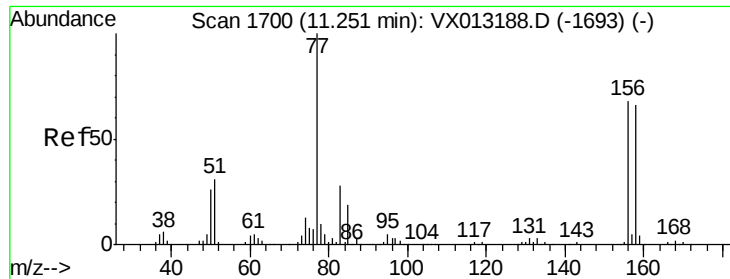
77 29.4 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.317 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

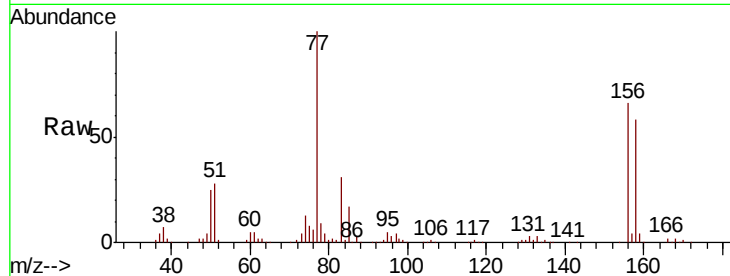
Tot Ion:156 Resp: 86284

Ion Ratio Lower Upper

156 100

77 163.4 81.7 245.1

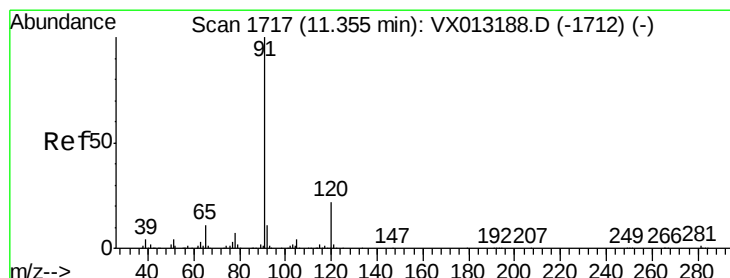
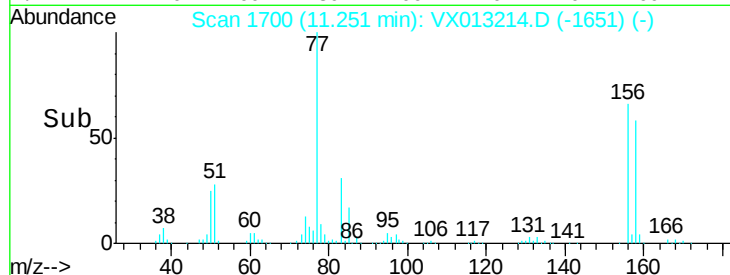
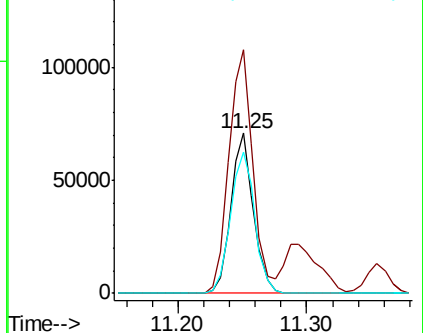
158 95.1 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.065 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013214.D

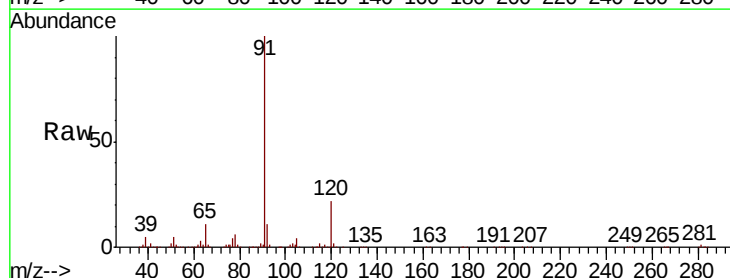
Acq: 24 Oct 2019 16:15

Tgt Ion: 91 Resp: 405202

Ion Ratio Lower Upper

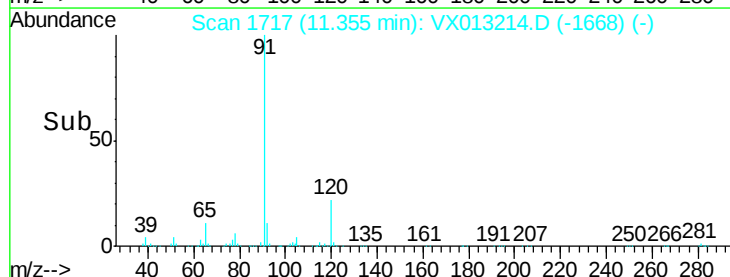
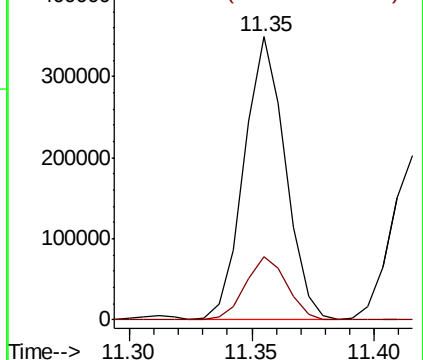
91 100

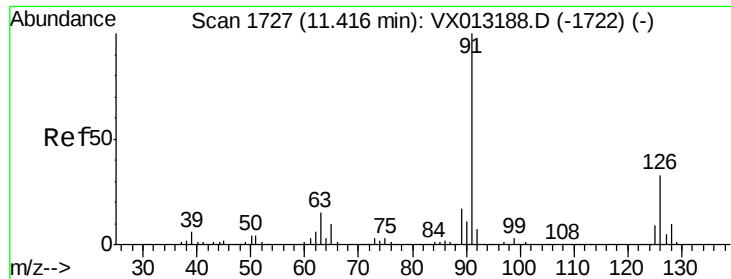
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

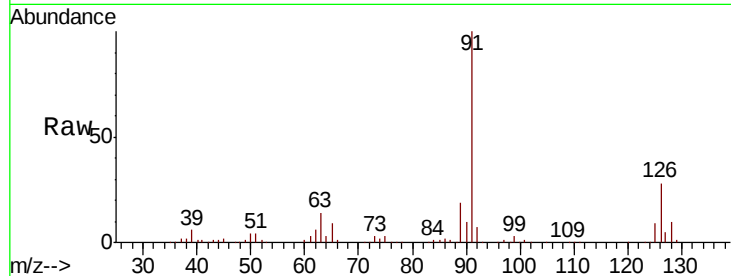




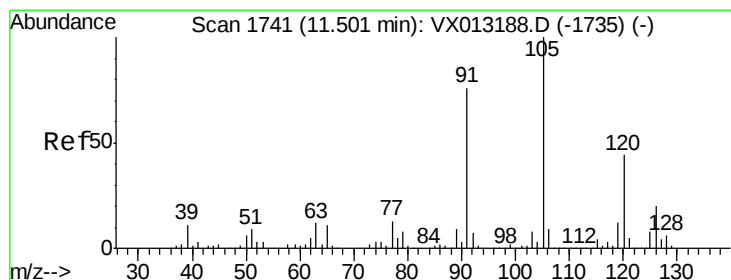
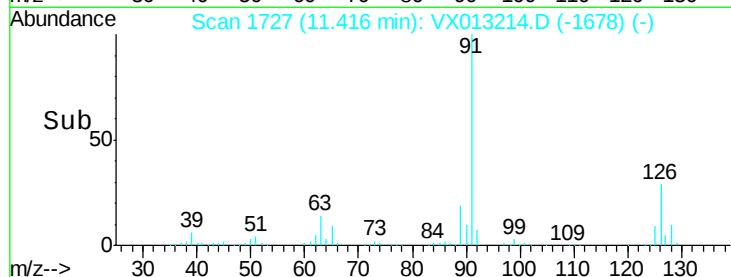
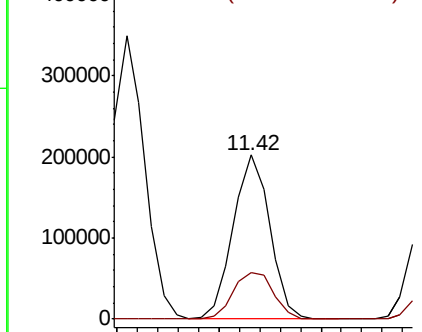
#79
 2-Chlorotoluene
 Concen: 49.195 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

Tot Ion: 91 Resp: 251568
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.3 48.8

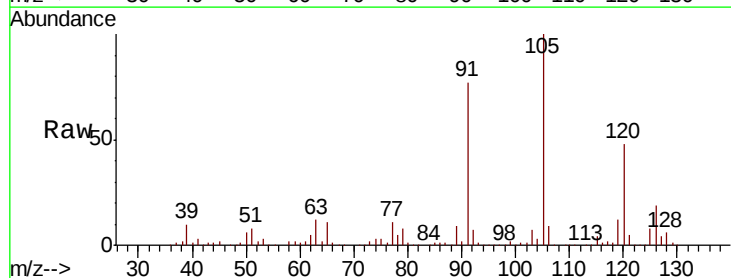


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

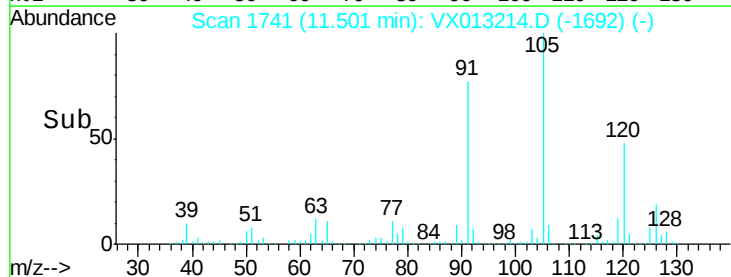
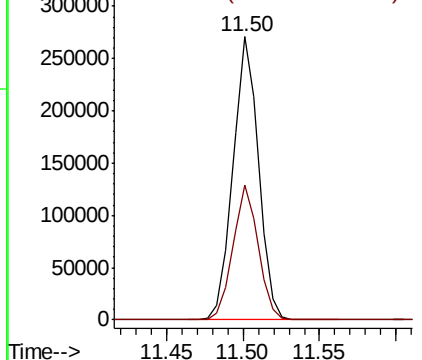


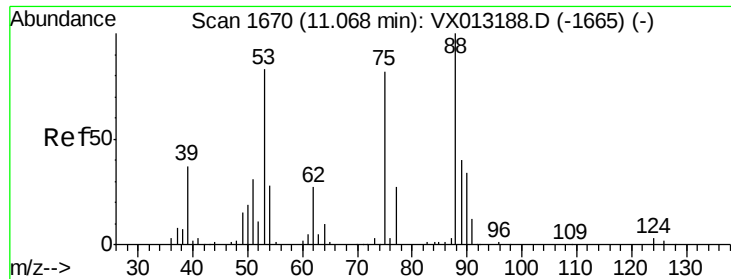
#80
 1,3,5-Trimethylbenzene
 Concen: 50.503 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion: 105 Resp: 312770
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.404 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

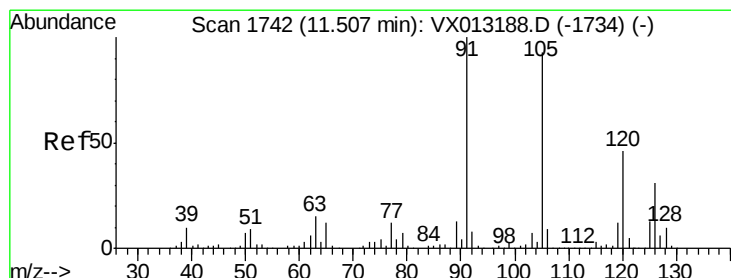
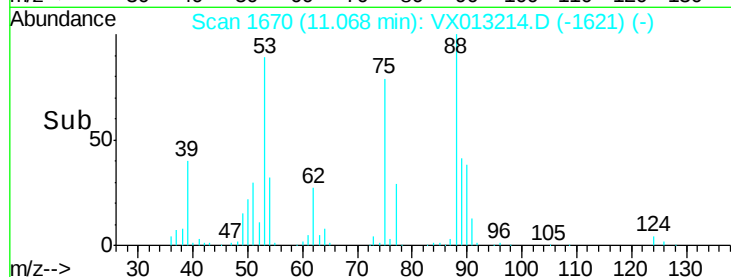
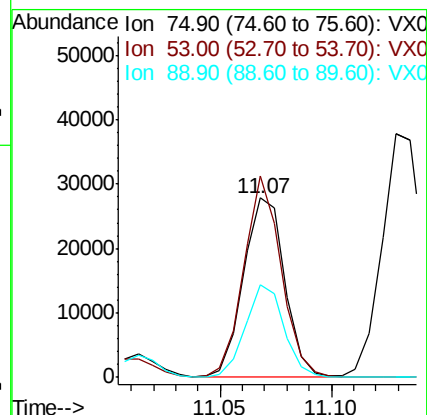
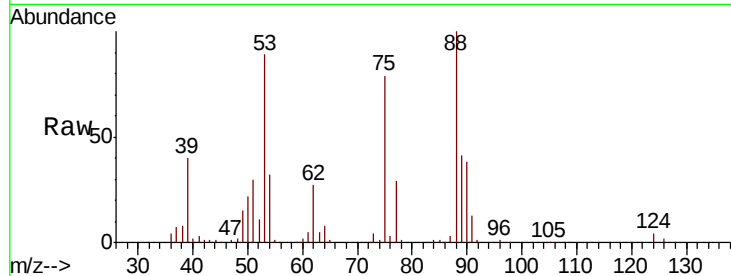
Tot Ion: 75 Resp: 36273

Ion Ratio Lower Upper

75 100

53 101.4 77.9 116.9

89 48.2 37.3 55.9



#82

4-Chlorotoluene

Concen: 50.166 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013214.D

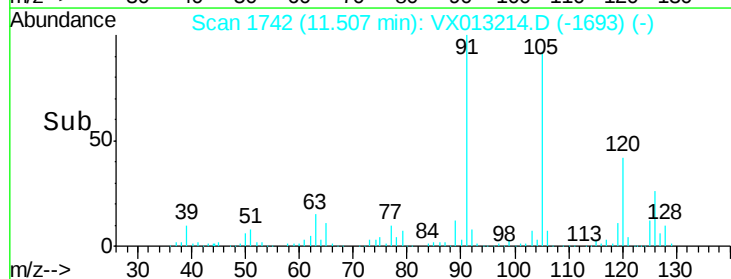
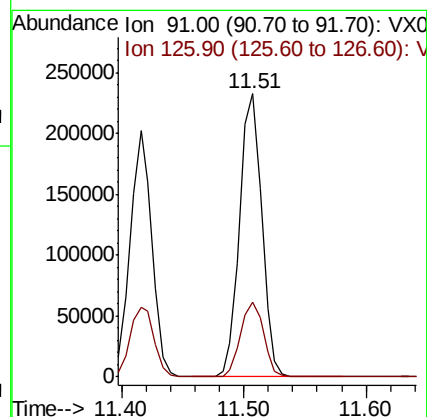
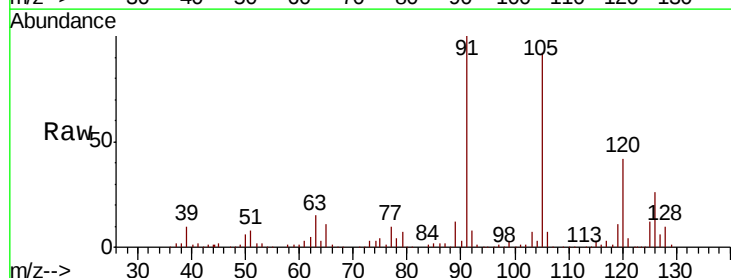
Acq: 24 Oct 2019 16:15

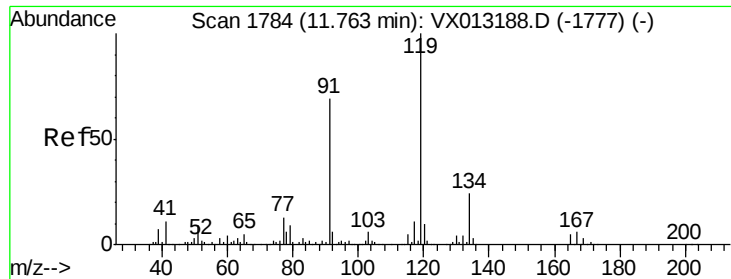
Tgt Ion: 91 Resp: 290670

Ion Ratio Lower Upper

91 100

126 27.5 14.6 44.0

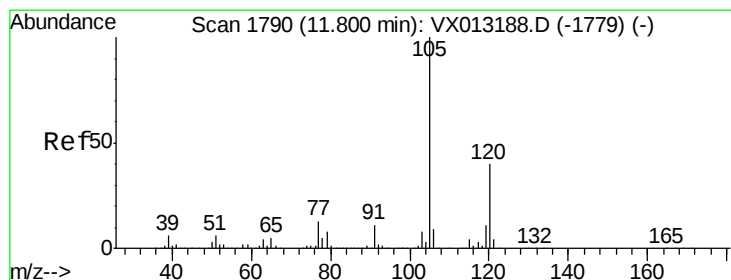
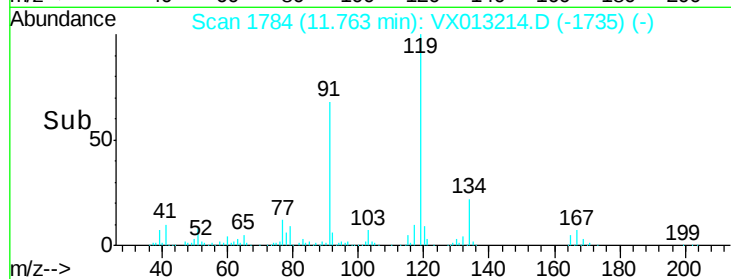
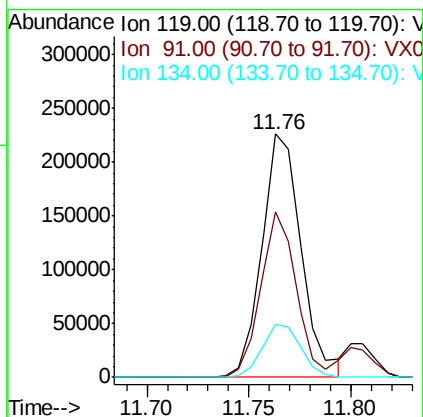
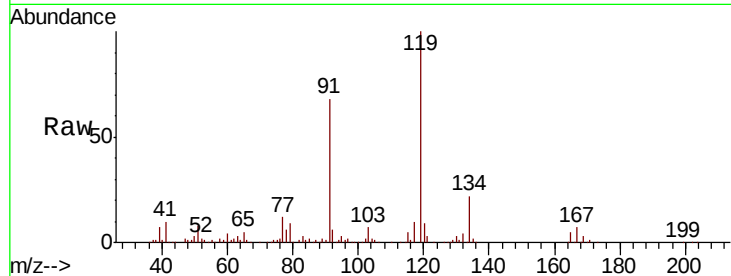




#83
tert-Butylbenzene
Concen: 49.794 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

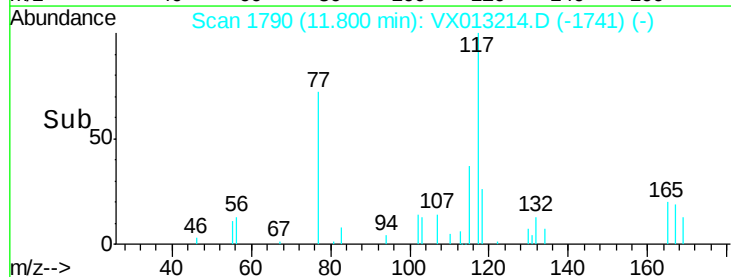
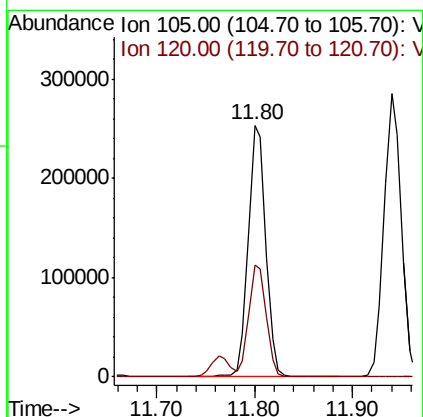
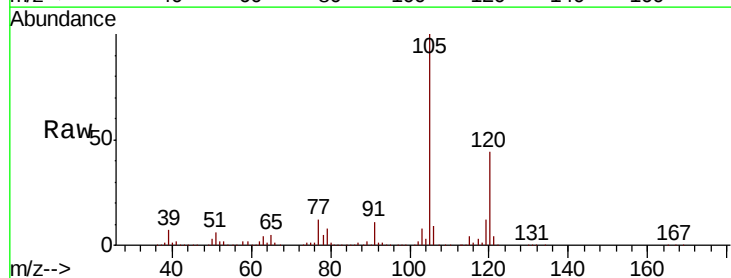
Instrument :
MSVOA_X
ClientSampled :
S32-0670MS

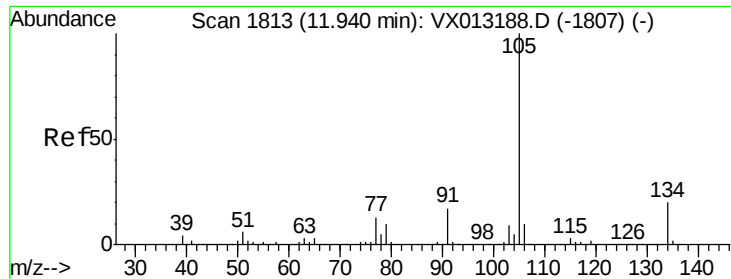
Tot Ion:119 Resp: 305103
Ion Ratio Lower Upper
119 100
91 61.2 30.8 92.4
134 21.4 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 50.623 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013214.D
Acq: 24 Oct 2019 16:15

Tgt Ion:105 Resp: 316234
Ion Ratio Lower Upper
105 100
120 44.1 21.4 64.3

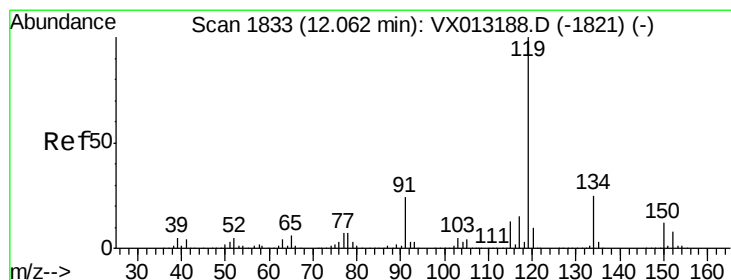
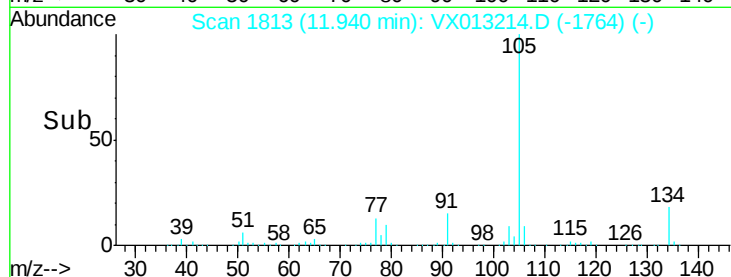
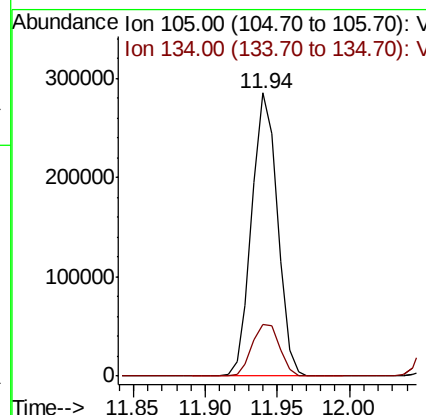
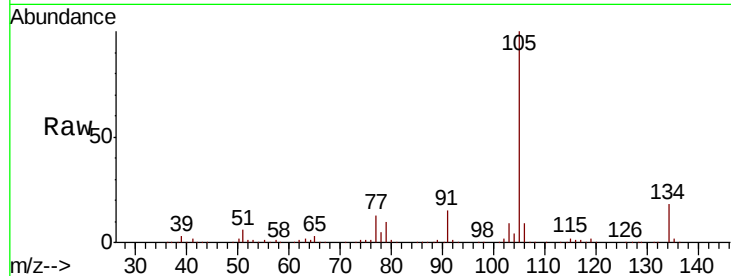




#85
 sec-Butylbenzene
 Concen: 50.296 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

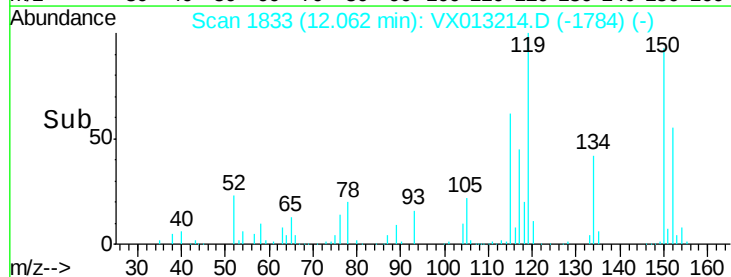
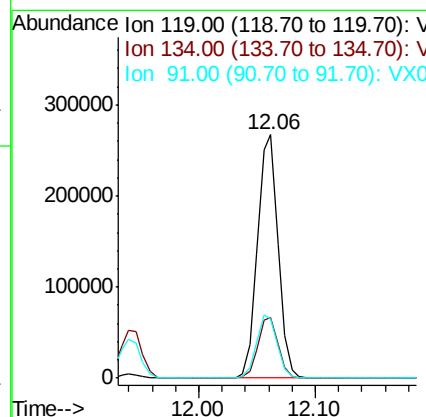
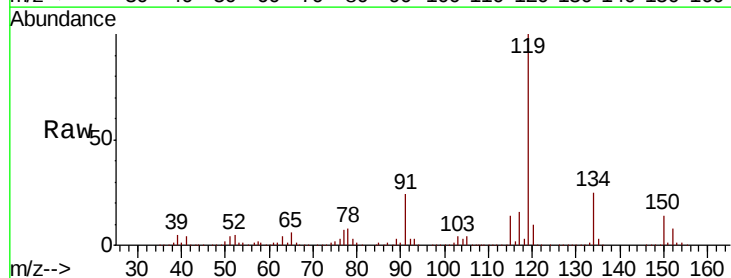
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

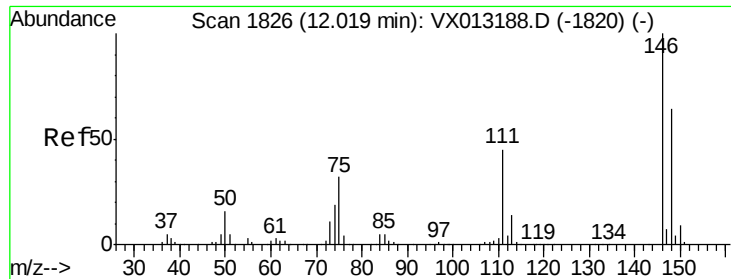
Tot Ion:105 Resp: 350702
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 50.426 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion:119 Resp: 330327
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 25.8 12.4 37.2

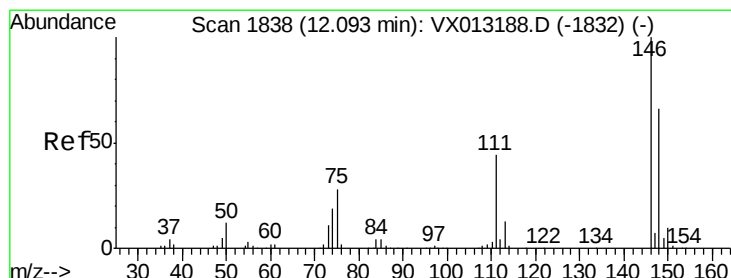
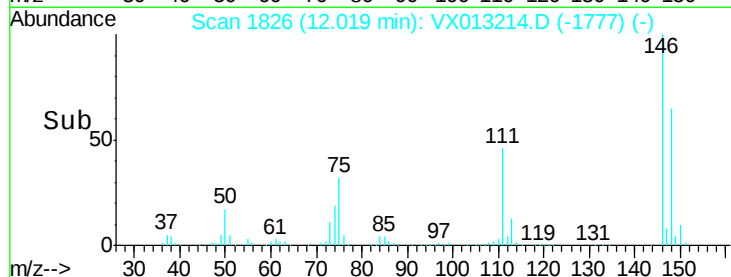
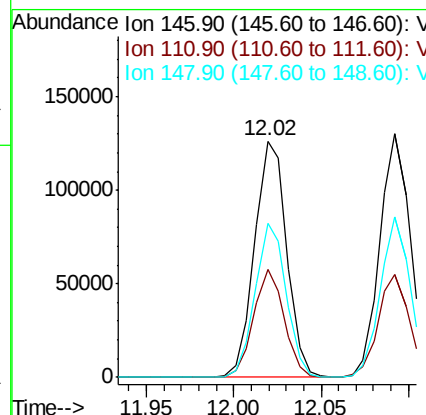
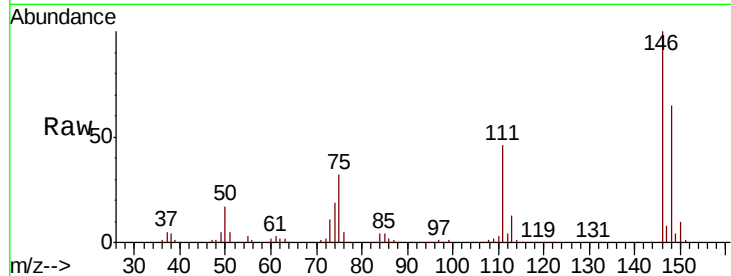




#87
 1,3-Dichlorobenzene
 Concen: 49.851 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

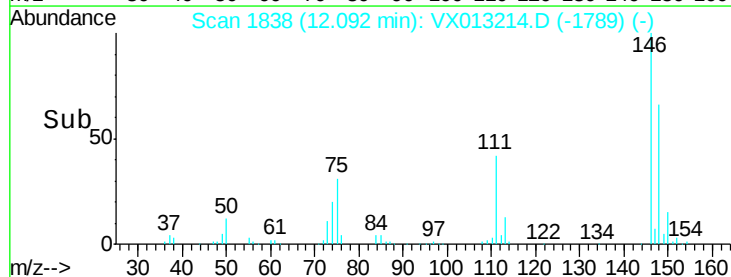
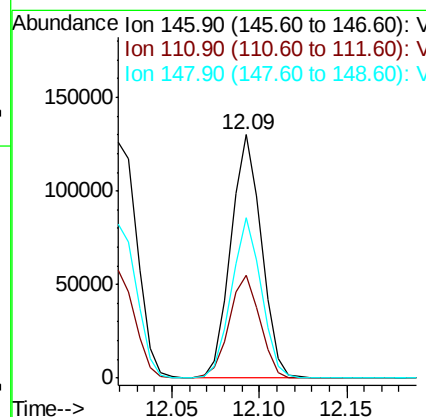
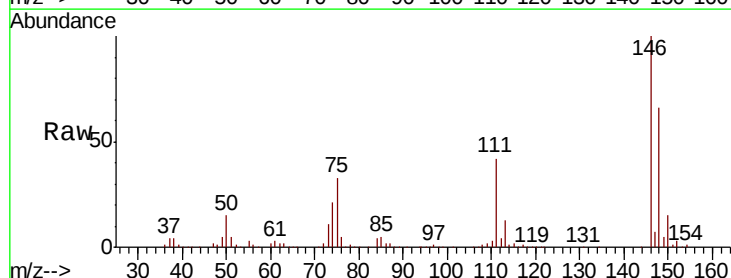
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

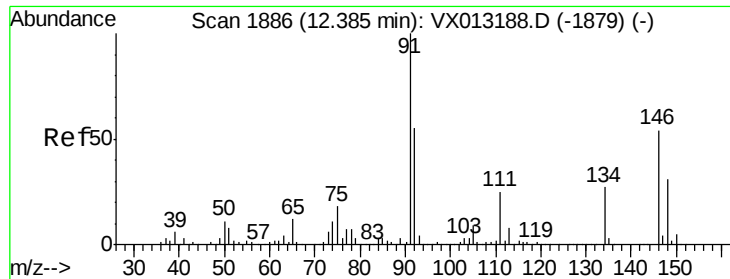
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	63.2	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 48.144 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.4	32.5	97.5





#89

n-Butylbenzene

Concen: 50.276 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

S32-0670MS

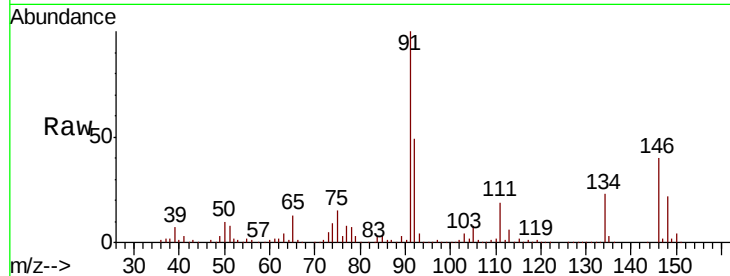
Tot Ion: 91 Resp: 269419

Ion Ratio Lower Upper

91 100

92 53.5 27.7 83.1

134 26.2 13.2 39.6

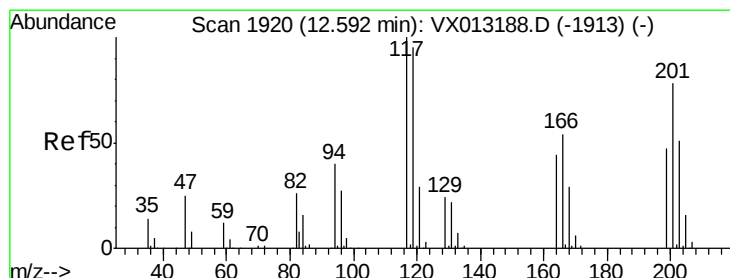
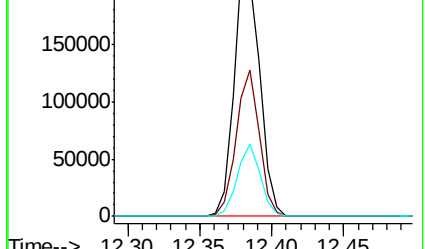
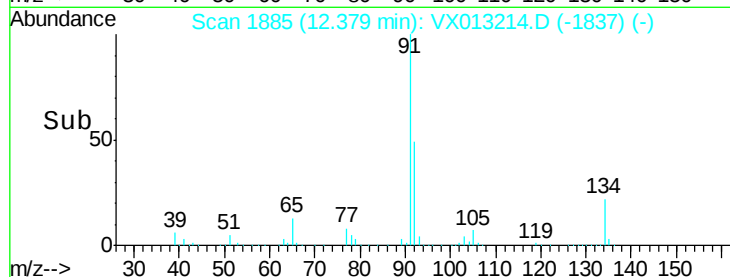


Abundance Ion 91.00 (90.70 to 91.70): VX013188.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX013188.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX013188.D (-1879) (-)

Time--> 12.30 12.35 12.40 12.45



#90

Hexachloroethane

Concen: 51.674 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013214.D

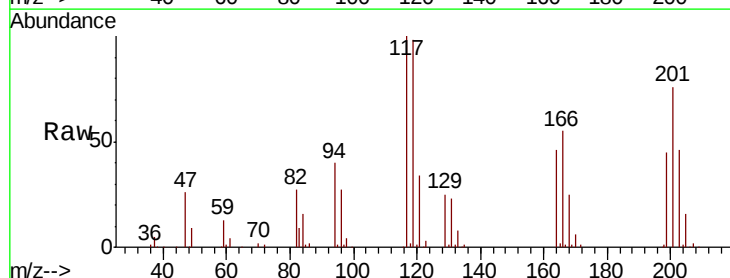
Acq: 24 Oct 2019 16:15

Tgt Ion: 117 Resp: 56688

Ion Ratio Lower Upper

117 100

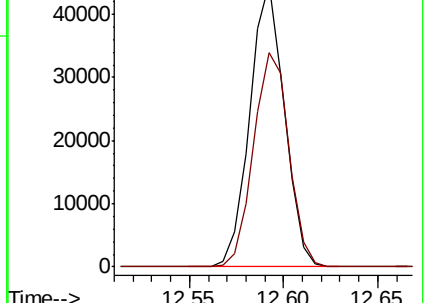
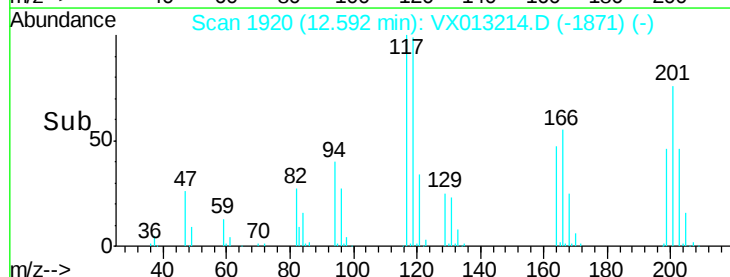
201 77.9 39.0 116.9

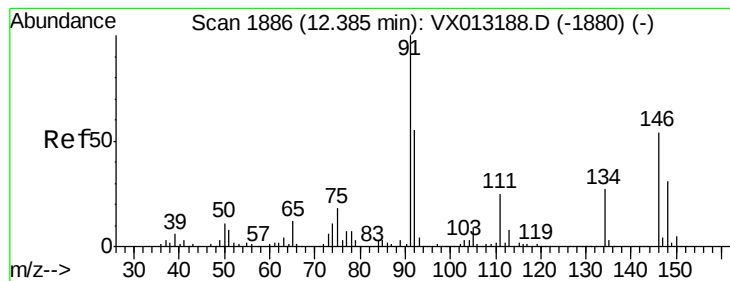


Abundance Ion 116.80 (116.50 to 117.50): VX013188.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX013188.D (-1913) (-)

Time--> 12.55 12.60 12.65





#91

1,2-Dichlorobenzene

Concen: 49.852 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

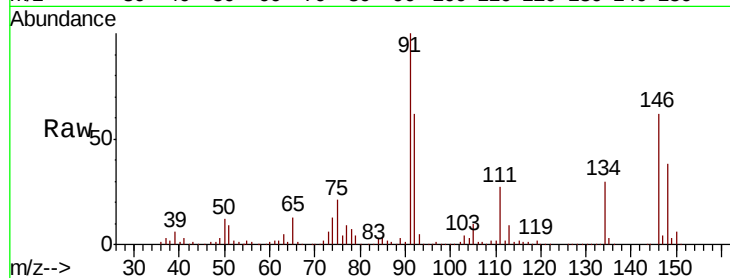
Tot Ion:146 Resp: 158151

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.8

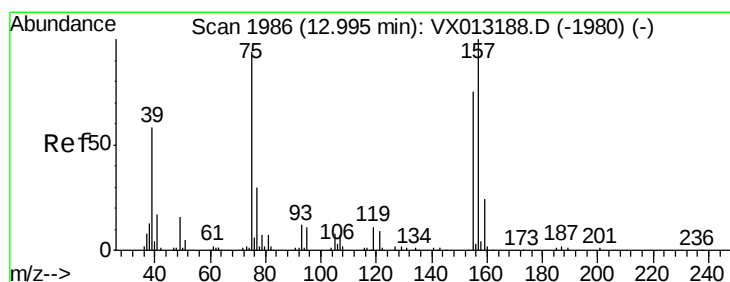
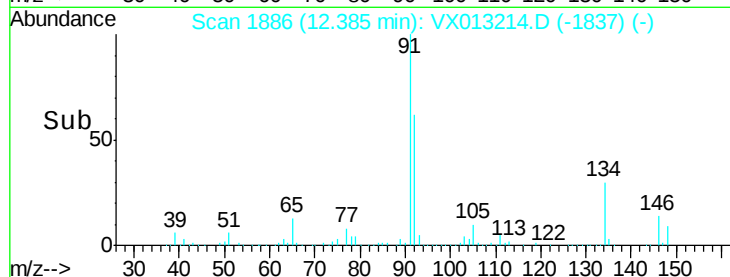
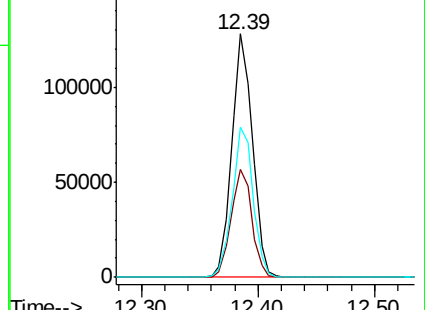
148 62.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.314 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

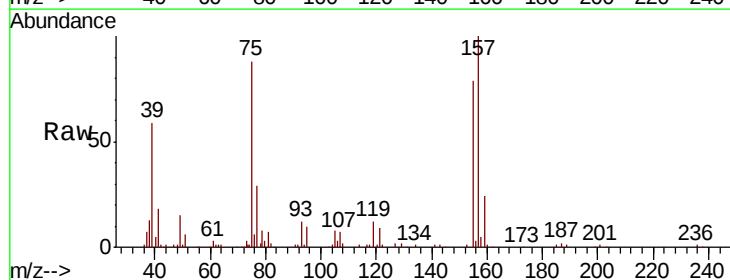
Tgt Ion: 75 Resp: 28869

Ion Ratio Lower Upper

75 100

155 85.2 42.8 128.4

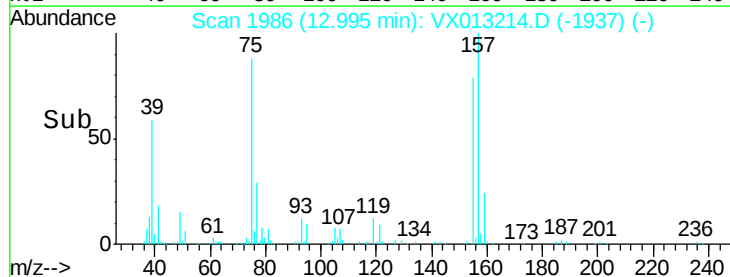
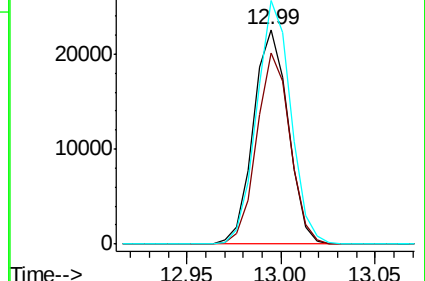
157 111.3 54.3 162.8

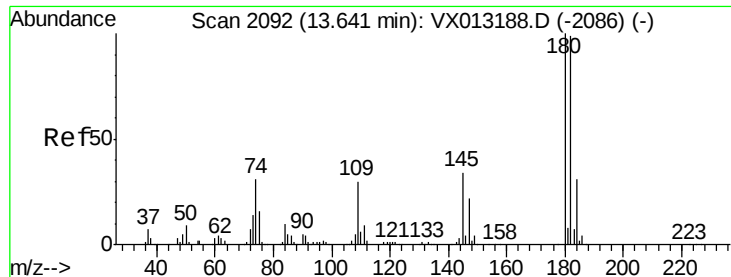


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

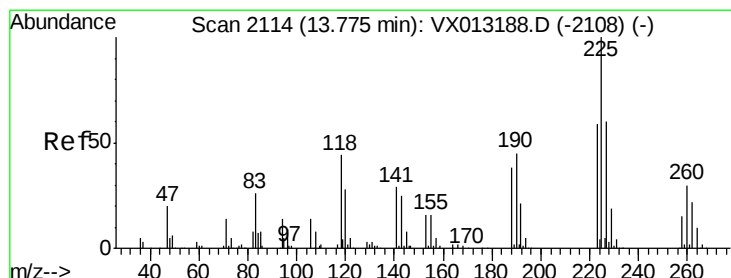
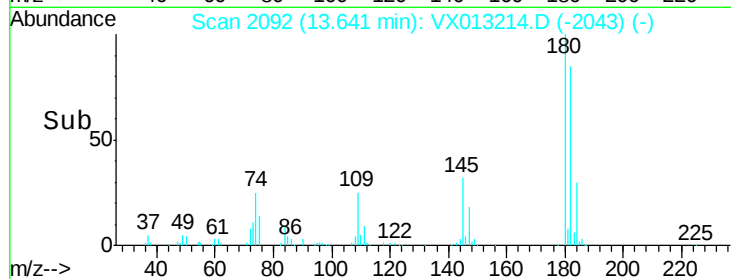
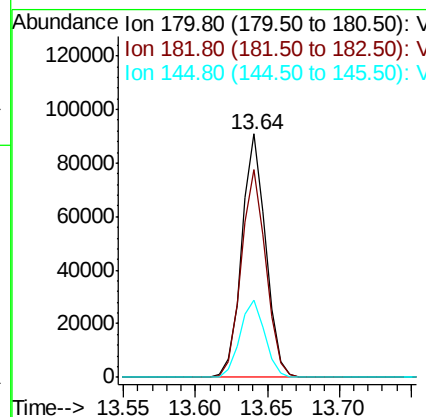
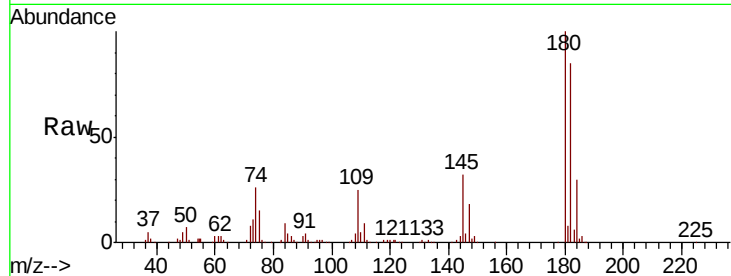




#93
 1,2,4-Trichlorobenzene
 Concen: 52.651 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

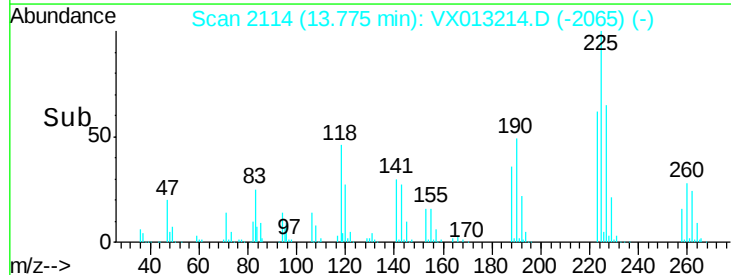
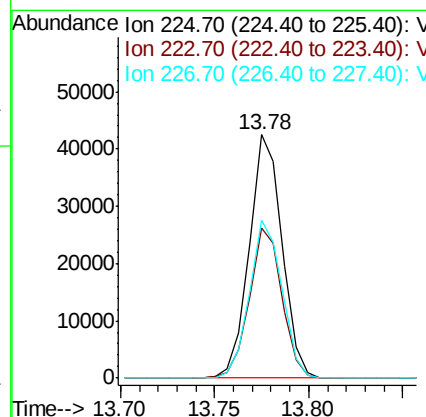
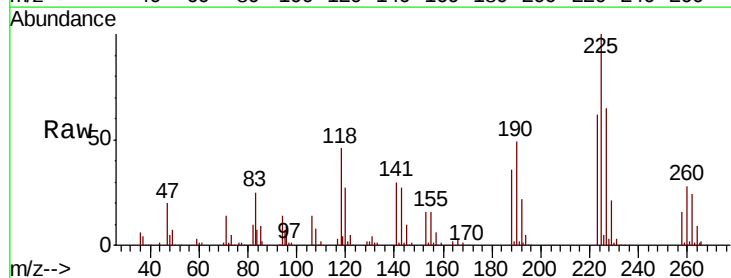
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0670MS

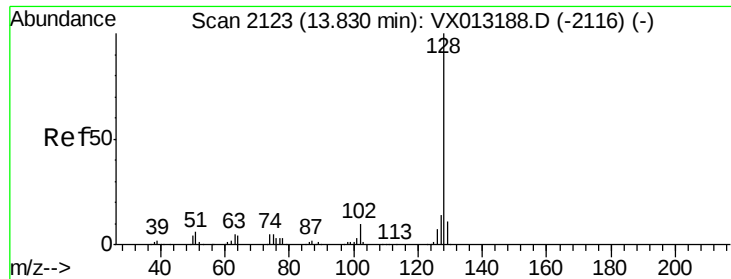
Tot Ion:180 Resp: 105178
 Ion Ratio Lower Upper
 180 100
 182 87.8 45.9 137.6
 145 33.3 15.9 47.6



#94
 Hexachlorobutadiene
 Concen: 49.517 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013214.D
 Acq: 24 Oct 2019 16:15

Tgt Ion:225 Resp: 51168
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.5
 227 64.0 30.3 90.9





#95

Naphthalene

Concen: 52.460 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

S32-0670MS

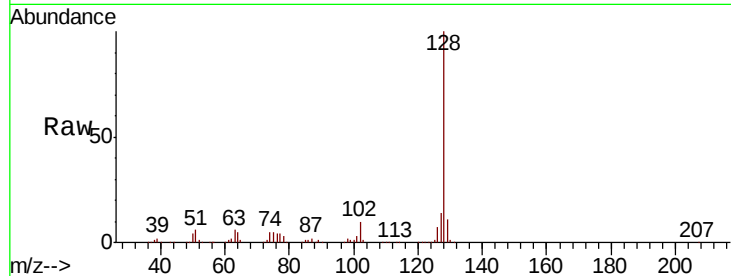
Tot Ion:128 Resp: 321633

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

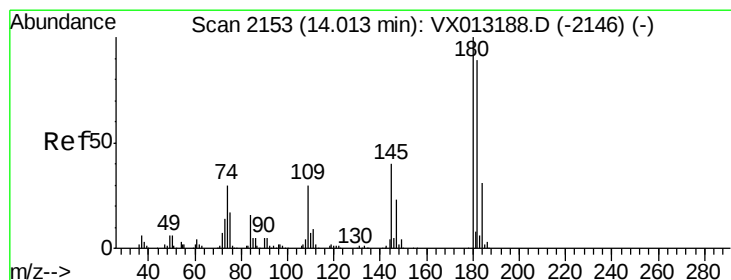
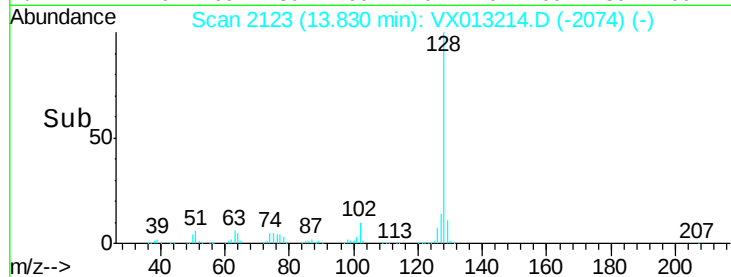
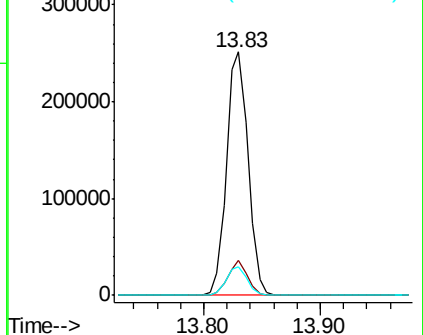
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.006 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013214.D

Acq: 24 Oct 2019 16:15

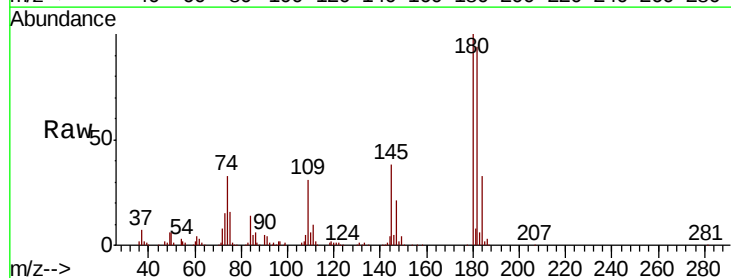
Tgt Ion:180 Resp: 102658

Ion Ratio Lower Upper

180 100

182 99.4 48.3 144.9

145 34.8 18.6 55.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

