

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101419\
 Data File : VX013062.D
 Acq On : 14 Oct 2019 19:13
 Operator : JC/SP
 Sample : VX1014MBS01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115559	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	5.49	113	92705	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	8.71	98	349600	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.14	95	128015	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	34097	18.288	ug/l	99
3) Chloromethane	1.32	50	36484	17.981	ug/l	99
4) Vinyl Chloride	1.40	62	37175	17.751	ug/l	100
5) Bromomethane	1.63	94	18567	21.327	ug/l	100
6) Chloroethane	1.72	64	24580	19.440	ug/l	98
7) Trichlorofluoromethane	1.92	101	55809	19.744	ug/l	95
8) Diethyl Ether	2.18	74	22182	19.441	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35715	19.523	ug/l	98
10) Methyl Iodide	2.50	142	35814	20.606	ug/l	97
11) Tert butyl alcohol	3.03	59	59170	97.636	ug/l	96
12) 1,1-Dichloroethene	2.36	96	36295	19.636	ug/l	94
13) Acrolein	2.28	56	21968	51.008	ug/l	96
14) Allyl chloride	2.72	41	61073	18.554	ug/l	98
15) Acrylonitrile	3.13	53	116653	101.573	ug/l	99
16) Acetone	2.44	43	97743	81.114	ug/l	100
17) Carbon Disulfide	2.56	76	85376	16.199	ug/l	98
18) Methyl Acetate	2.76	43	56235	19.689	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	128957	20.203	ug/l	99
20) Methylene Chloride	2.84	84	41876	18.909	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	38827	19.599	ug/l	97
22) Diisopropyl ether	3.84	45	125612	19.915	ug/l #	86
23) Vinyl Acetate	3.80	43	528763	97.108	ug/l	99
24) 1,1-Dichloroethane	3.69	63	71400	20.122	ug/l	100
25) 2-Butanone	4.66	43	157419	94.163	ug/l	98
26) 2,2-Dichloropropane	4.57	77	48422	16.228	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	44720	19.583	ug/l	99
28) Bromochloromethane	5.00	49	23553	21.959	ug/l	99
29) Tetrahydrofuran	5.12	42	101723	98.880	ug/l	98
30) Chloroform	5.20	83	72522	19.918	ug/l	96
31) Cyclohexane	5.57	56	61923	18.663	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	61726	20.008	ug/l	99
36) 1,1-Dichloropropene	5.79	75	52033	19.639	ug/l	98
37) Ethyl Acetate	4.82	43	60707	20.491	ug/l	99
38) Carbon Tetrachloride	5.78	117	51709	20.051	ug/l	98

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 MSVOA_X
 ClientSampleId :

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62658	19.501	ug/l	95
40) Benzene	6.14	78	163262	20.864	ug/l	97
41) Methacrylonitrile	5.03	41	32722	20.101	ug/l	98
42) 1,2-Dichloroethane	6.18	62	57780	20.578	ug/l	99
43) Isopropyl Acetate	6.43	43	96561	20.307	ug/l	99
44) Trichloroethene	7.20	130	42385	19.533	ug/l	99
45) 1,2-Dichloropropane	7.51	63	40711	20.413	ug/l	98
46) Dibromomethane	7.65	93	27983	21.059	ug/l	98
47) Bromodichloromethane	7.89	83	53150	20.497	ug/l	100
48) Methyl methacrylate	7.76	41	46015	19.858	ug/l	99
49) 1,4-Dioxane	7.73	88	23776	404.025	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	307354	103.673	ug/l	100
52) Toluene	8.78	92	103028	20.580	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	54193	18.189	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	63184	19.811	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	41724	21.060	ug/l	99
56) Ethyl methacrylate	9.17	69	65859	19.715	ug/l	98
57) 1,3-Dichloropropane	9.37	76	69767	20.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	152331	104.665	ug/l	100
59) 2-Hexanone	9.48	43	232053	100.552	ug/l	100
60) Dibromochloromethane	9.57	129	40493	19.541	ug/l	100
61) 1,2-Dibromoethane	9.67	107	43312	20.782	ug/l	100
64) Tetrachloroethene	9.33	164	41451	21.781	ug/l	98
65) Chlorobenzene	10.14	112	109718	20.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	38236	20.240	ug/l	97
67) Ethyl Benzene	10.25	91	193000	19.941	ug/l	99
68) m/p-Xylenes	10.35	106	147771	40.870	ug/l	99
69) o-Xylene	10.70	106	71369	20.241	ug/l	99
70) Styrene	10.71	104	122710	20.472	ug/l	100
71) Bromoform	10.85	173	27114	18.925	ug/l #	99
73) Isopropylbenzene	11.01	105	189386	20.530	ug/l	99
74) N-amyl acetate	10.89	43	78424	19.740	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	62932	20.511	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69627	25.019	ug/l	78
77) Bromobenzene	11.25	156	45810	21.074	ug/l	96
78) n-propylbenzene	11.35	91	205812	20.276	ug/l	99
79) 2-Chlorotoluene	11.42	91	130446	20.448	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	159338	20.686	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16727	18.278	ug/l	96
82) 4-Chlorotoluene	11.51	91	147511	20.174	ug/l	99
83) tert-Butylbenzene	11.77	119	151959	20.224	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	164338	21.066	ug/l	98
85) sec-Butylbenzene	11.94	105	178734	20.532	ug/l	100
86) p-Isopropyltoluene	12.06	119	162001	20.066	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80051	19.831	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	81271	19.879	ug/l	100
89) n-Butylbenzene	12.39	91	135991	20.041	ug/l	98
90) Hexachloroethane	12.59	117	26718	19.229	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	81022	20.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13552	18.845	ug/l	98

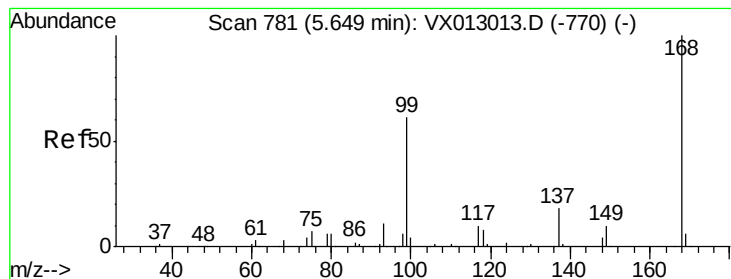
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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48127	19.413	ug/l	99
94) Hexachlorobutadiene	13.78	225	21799	19.054	ug/l	99
95) Naphthalene	13.83	128	168961	19.661	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	50325	19.644	ug/l	100

(#) = 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. -0.01 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

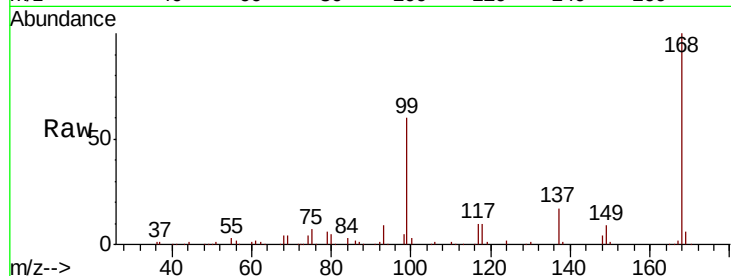
ClientSampleId :

Tot Ion:168 Resp: 182907

Ion Ratio Lower Upper

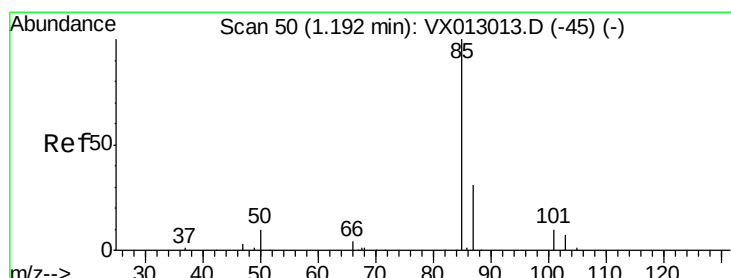
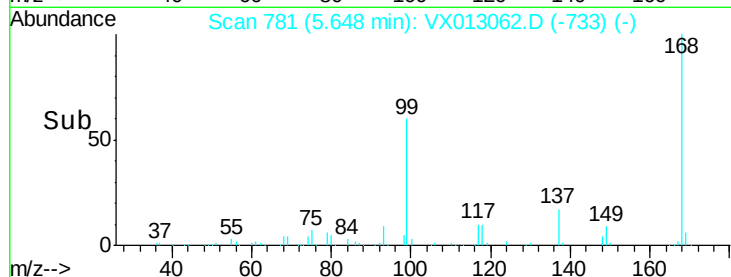
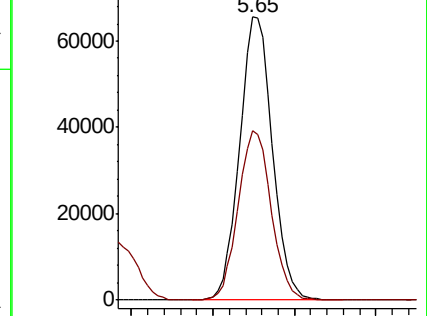
168 100

99 59.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.288 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013062.D

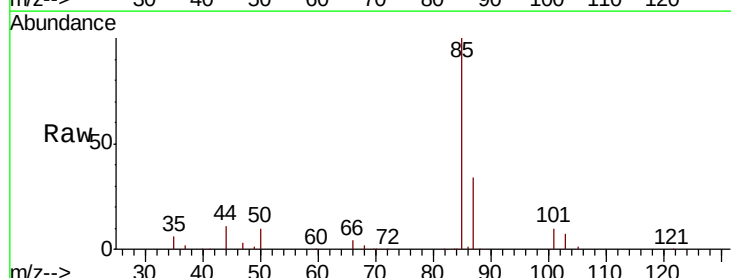
Acq: 14 Oct 2019 19:13

Tgt Ion: 85 Resp: 34097

Ion Ratio Lower Upper

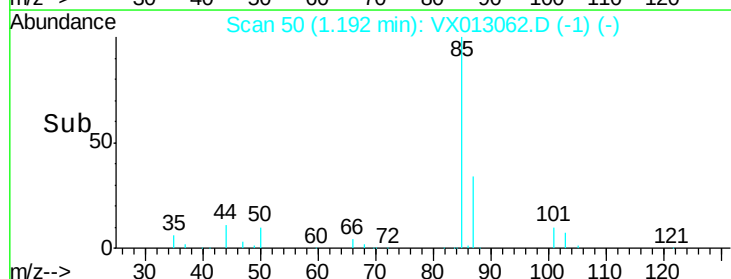
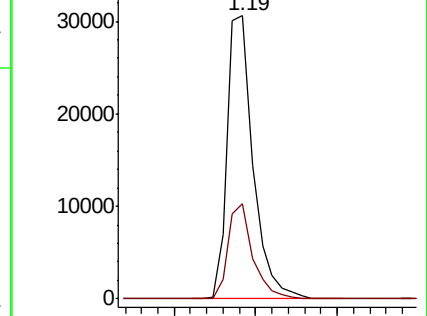
85 100

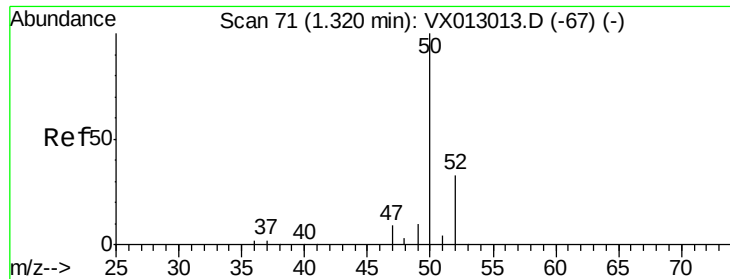
87 33.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.981 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

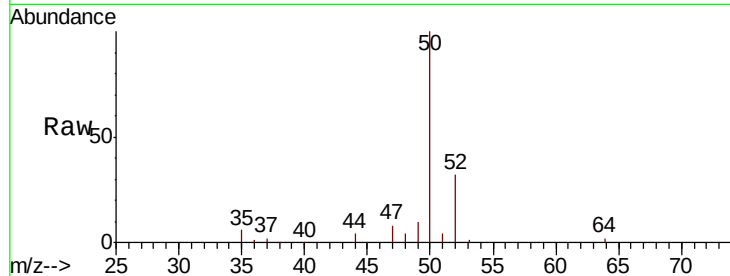
ClientSampleId :

Tot Ion: 50 Resp: 36484

Ion Ratio Lower Upper

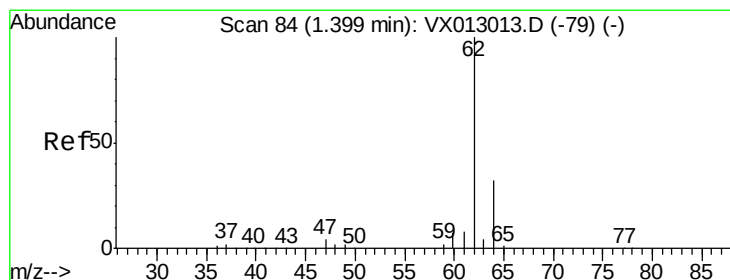
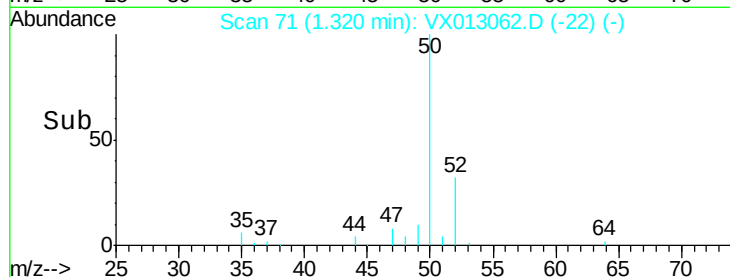
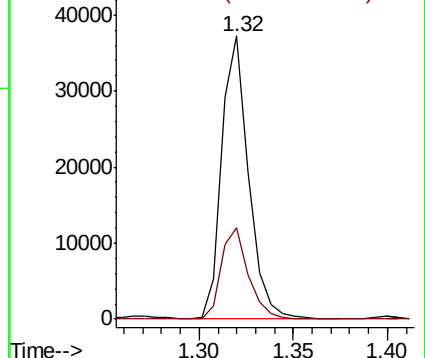
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.751 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013062.D

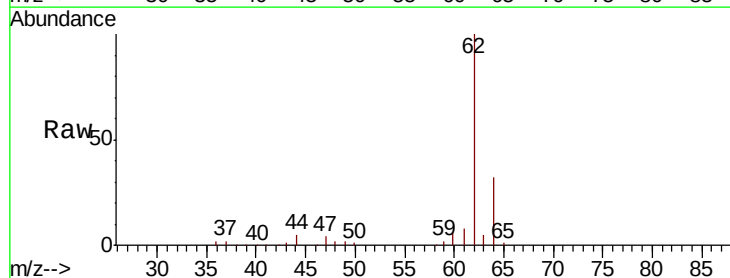
Acq: 14 Oct 2019 19:13

Tgt Ion: 62 Resp: 37175

Ion Ratio Lower Upper

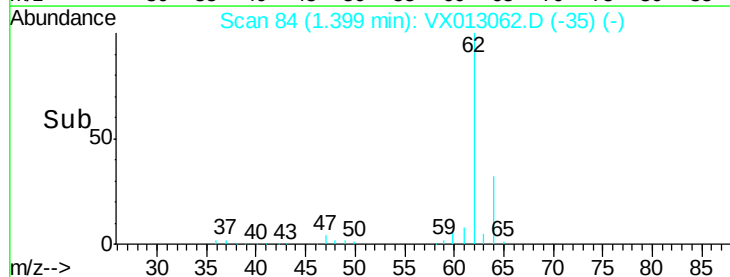
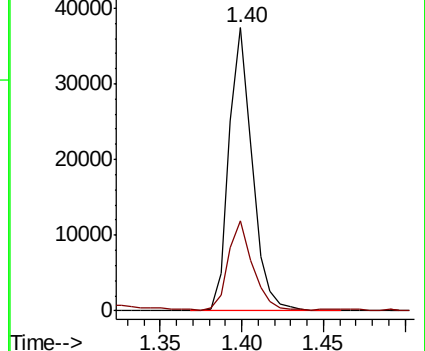
62 100

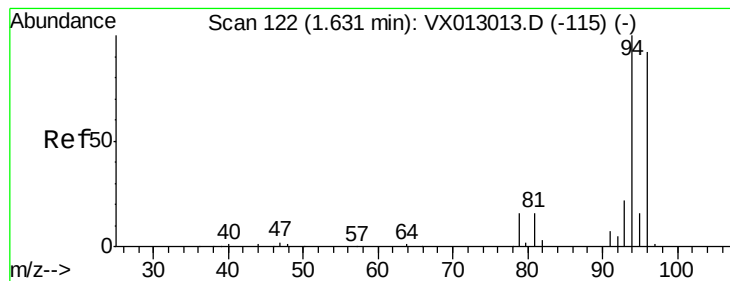
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.327 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

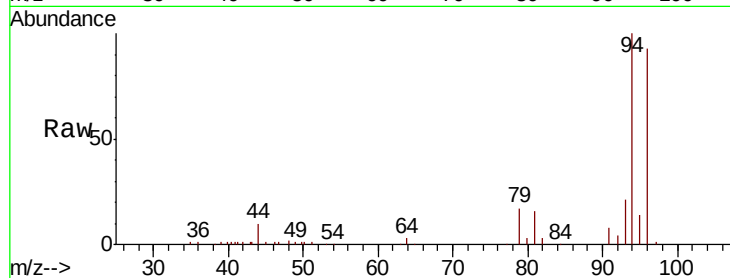
ClientSampleId :

Tot Ion: 94 Resp: 18567

Ion Ratio Lower Upper

94 100

96 93.5 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

20000

15000

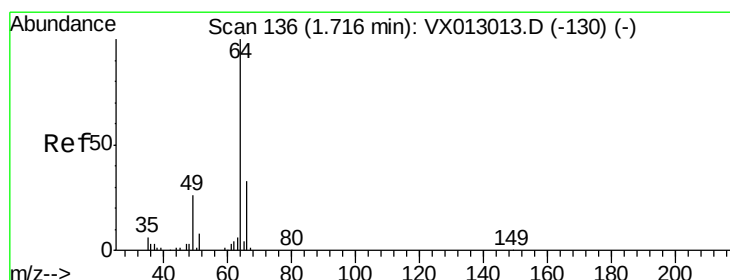
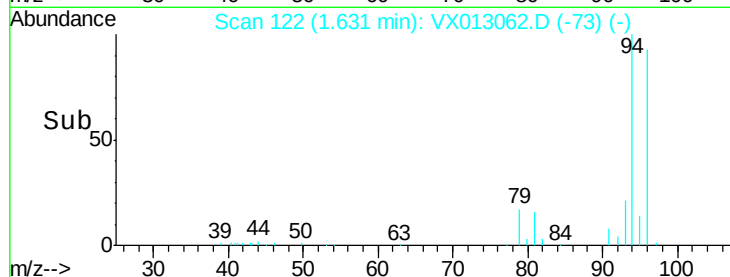
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 19.440 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013062.D

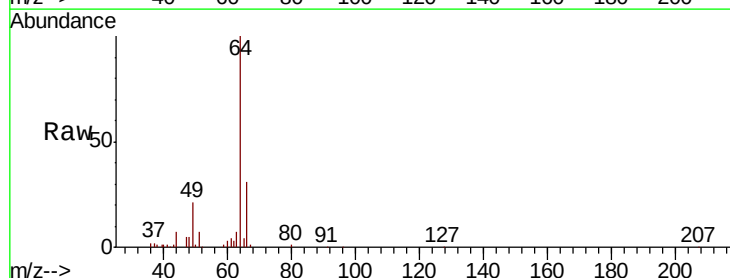
Acq: 14 Oct 2019 19:13

Tgt Ion: 64 Resp: 24580

Ion Ratio Lower Upper

64 100

66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

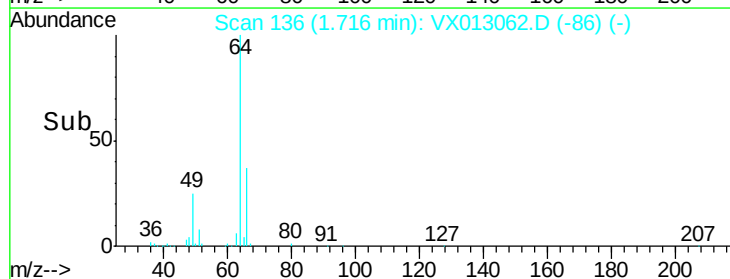
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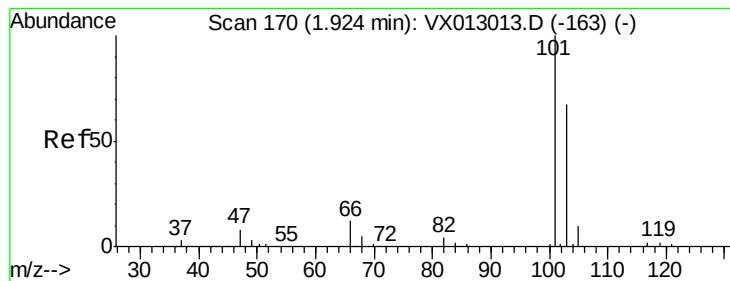
5000

0

Time-->

1.65 1.70 1.75 1.80



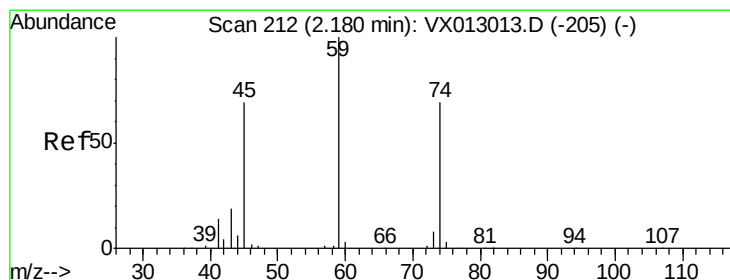
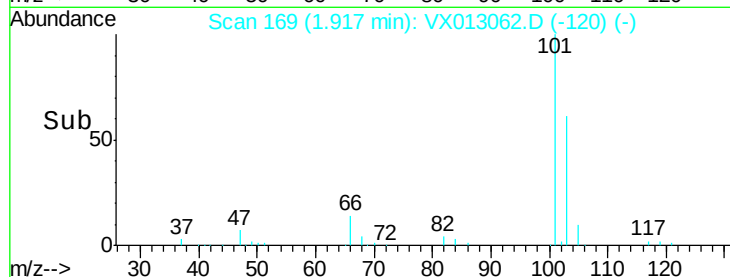
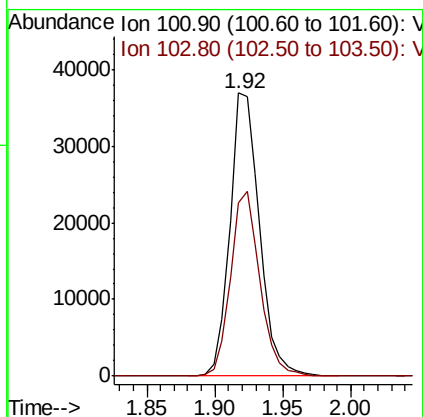
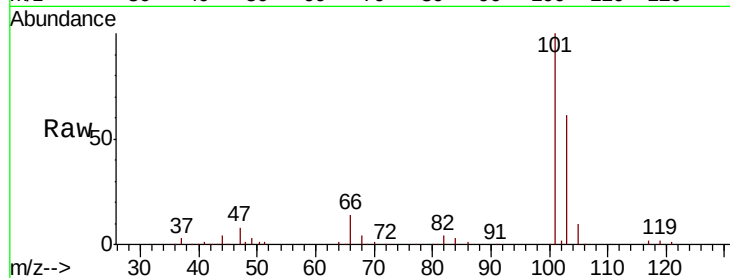


#7

Trichlorofluoromethane
Concen: 19.744 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampleId :

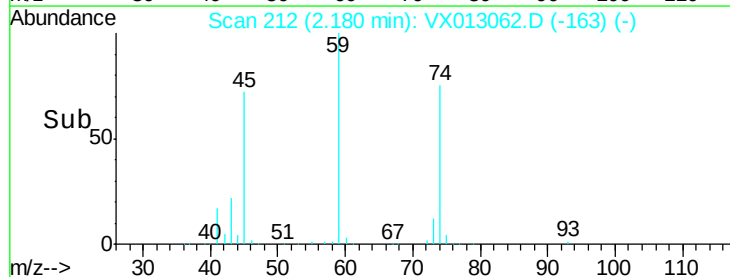
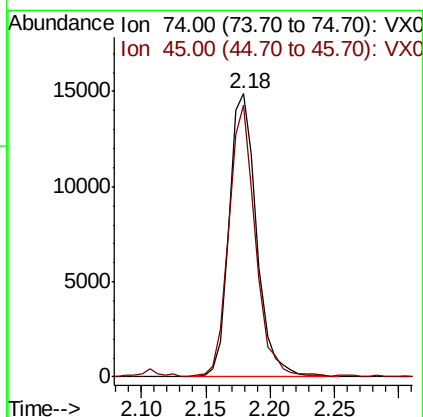
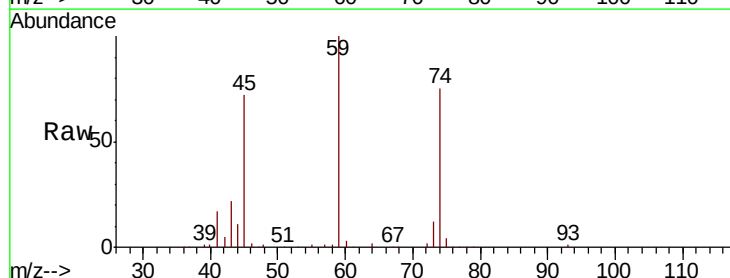
Tot Ion:101 Resp: 55809
Ion Ratio Lower Upper
101 100
103 61.4 52.5 78.7

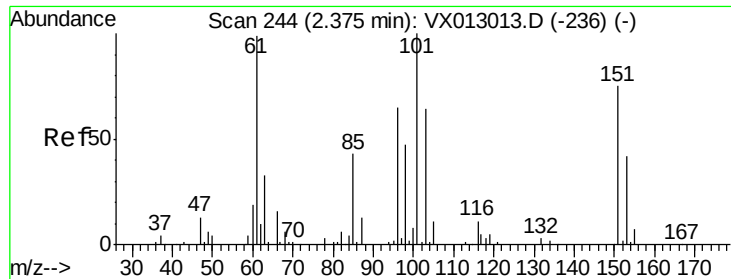


#8

Diethyl Ether
Concen: 19.441 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 74 Resp: 22182
Ion Ratio Lower Upper
74 100
45 94.1 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.523 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

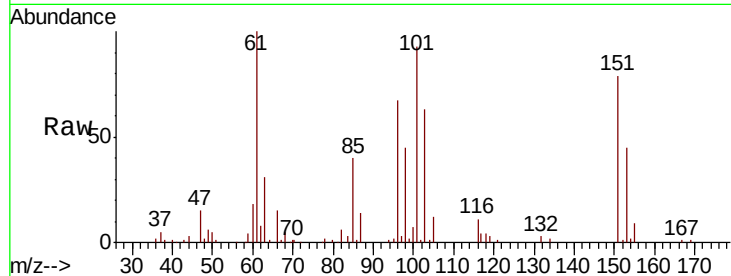
Tot Ion:101 Resp: 35715

Ion Ratio Lower Upper

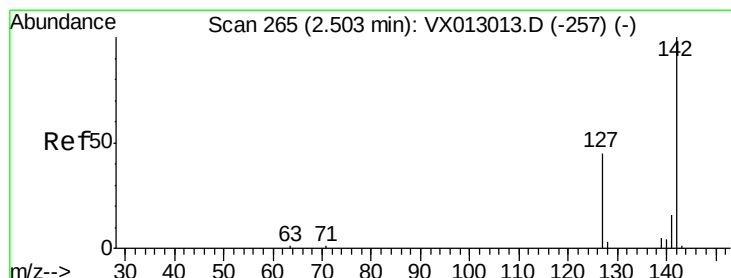
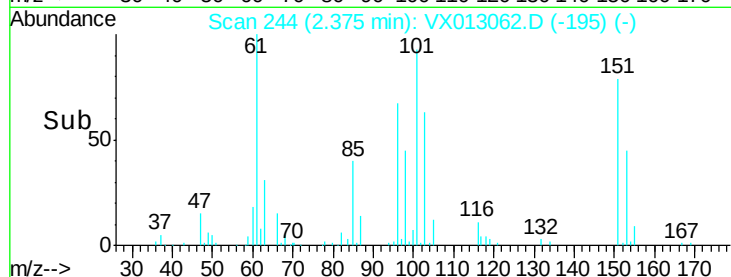
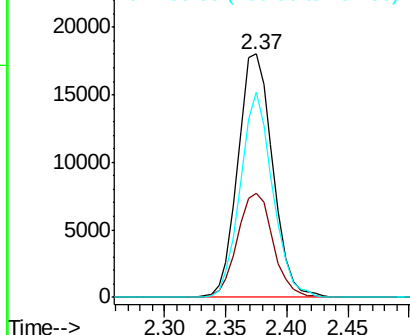
101 100

85 43.8 35.2 52.8

151 78.3 60.3 90.5



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: 20.606 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

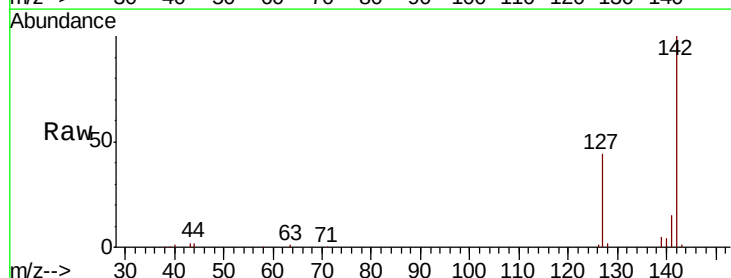
Tgt Ion:142 Resp: 35814

Ion Ratio Lower Upper

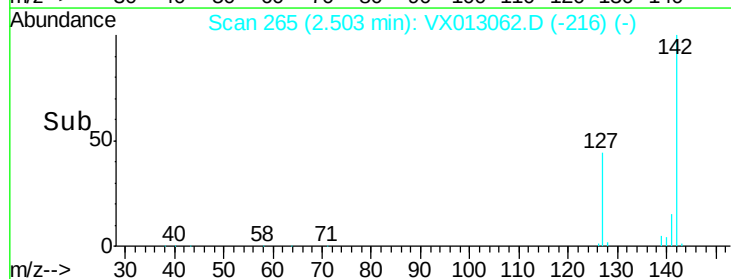
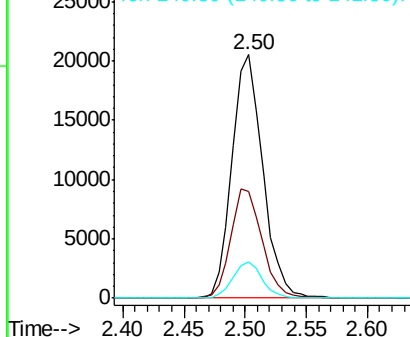
142 100

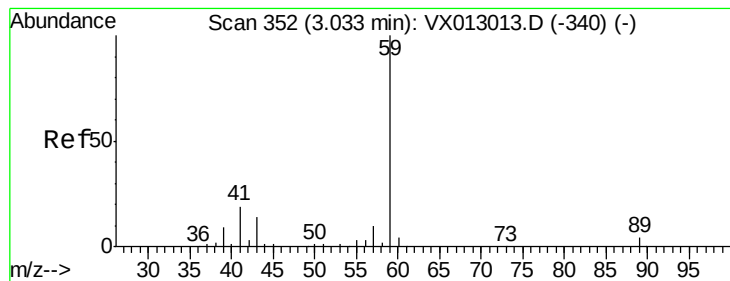
127 45.6 34.9 52.3

141 14.1 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



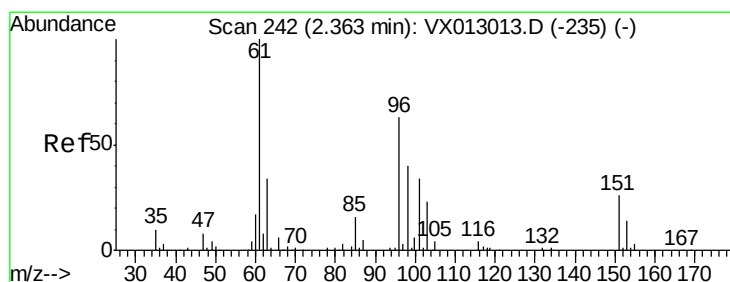
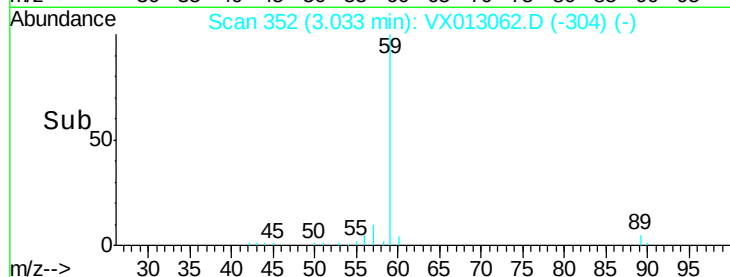
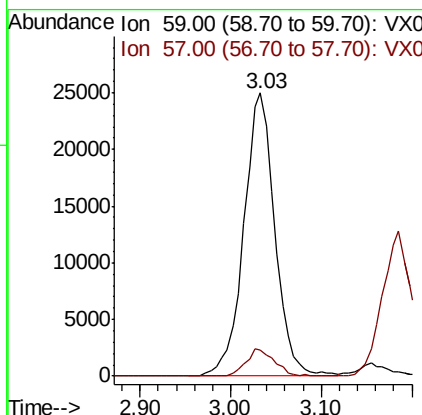
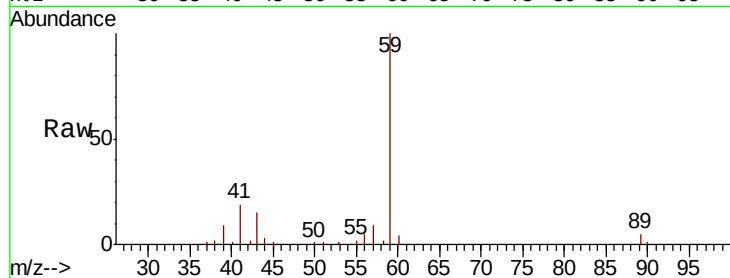


#11

Tert butyl alcohol
 Concen: 97.636 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Instrument :
 MSVOA_X
 ClientSampled :

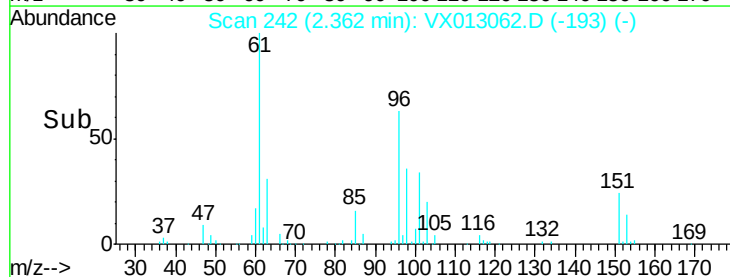
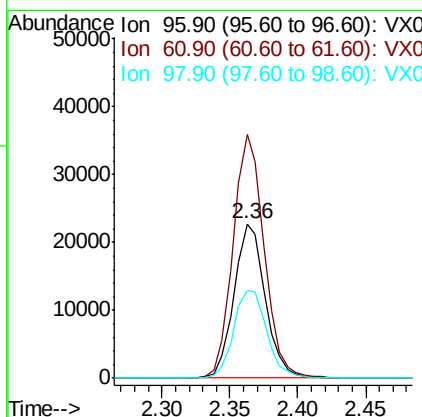
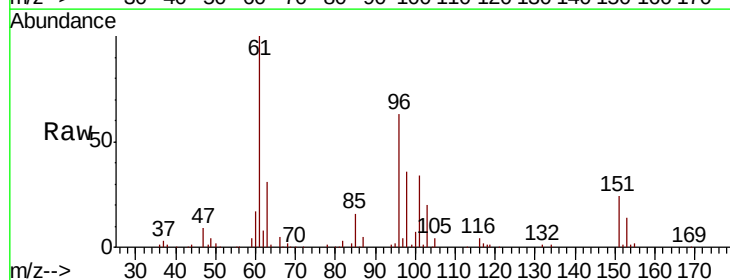
Tot Ion: 59 Resp: 59170
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.3 12.5

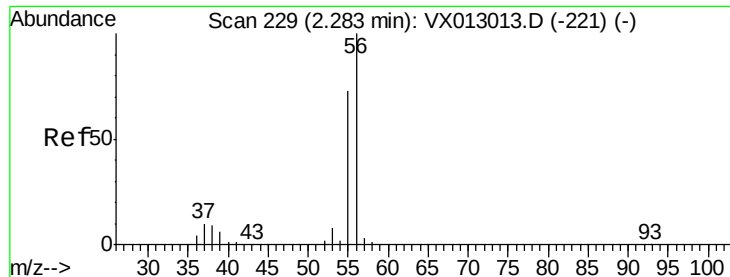


#12

1,1-Dichloroethene
 Concen: 19.636 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 96 Resp: 36295
 Ion Ratio Lower Upper
 96 100
 61 157.9 132.2 198.4
 98 56.4 50.5 75.7





#13

Acrolein

Concen: 51.008 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

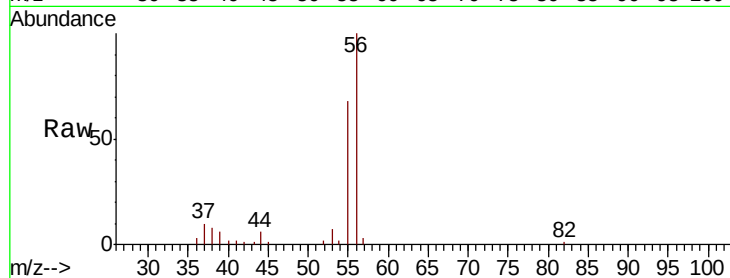
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 21968

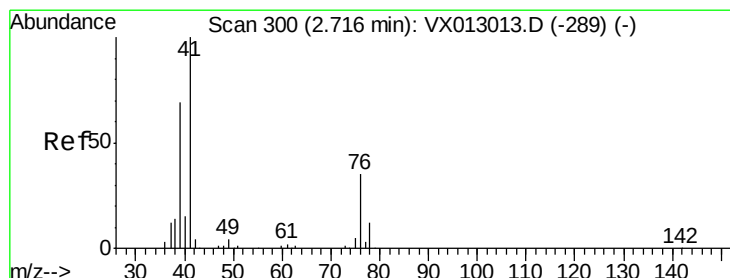
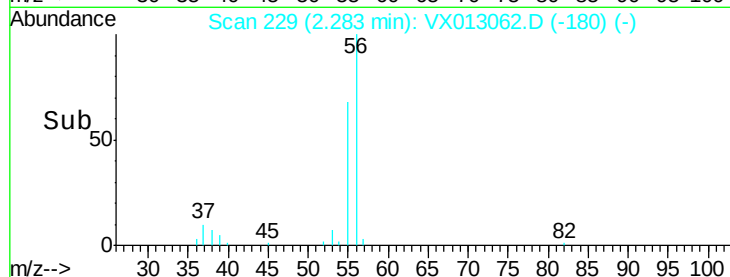
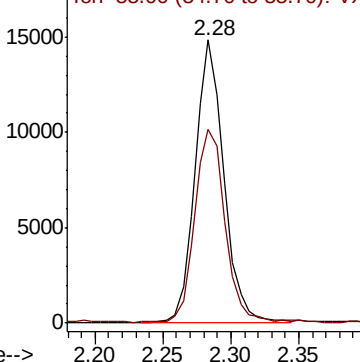
Ion Ratio Lower Upper

56 100

55 73.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.554 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

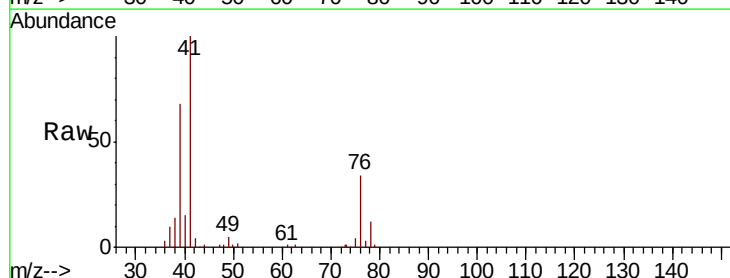
Tgt Ion: 41 Resp: 61073

Ion Ratio Lower Upper

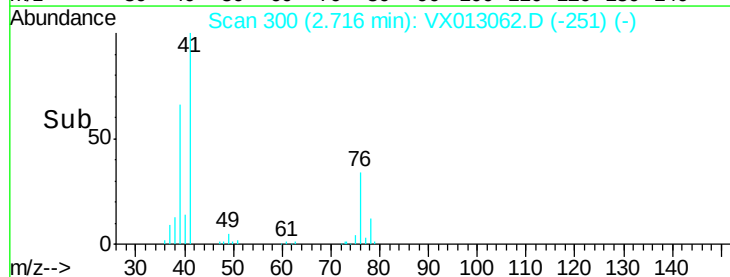
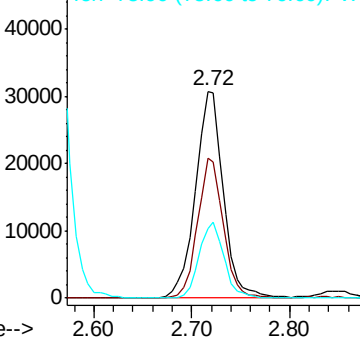
41 100

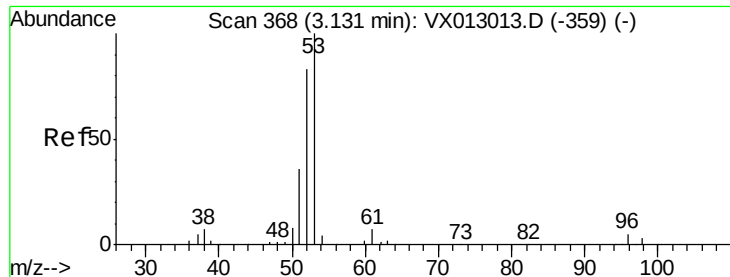
39 62.0 51.0 76.6

76 32.6 26.2 39.4



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: 101.573 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

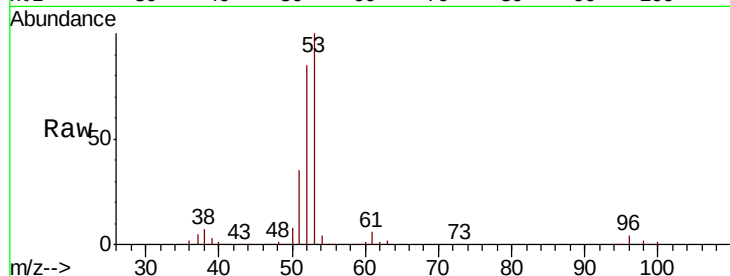
Tot Ion: 53 Resp: 116653

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.2

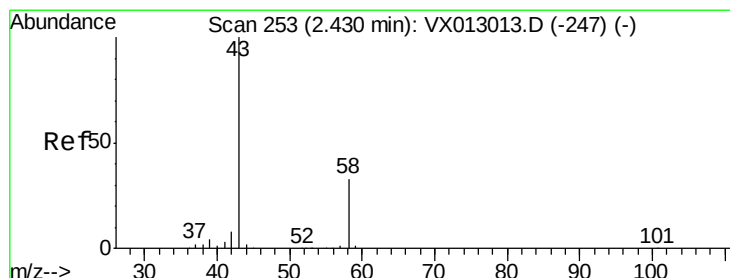
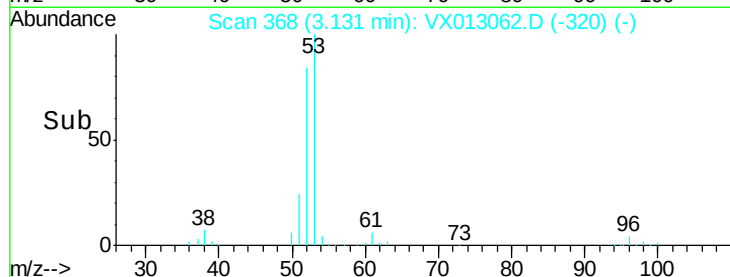
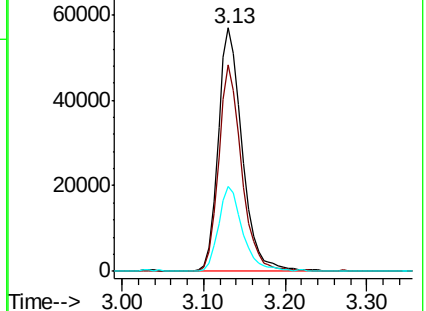
51 35.1 28.2 42.4



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: 81.114 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013062.D

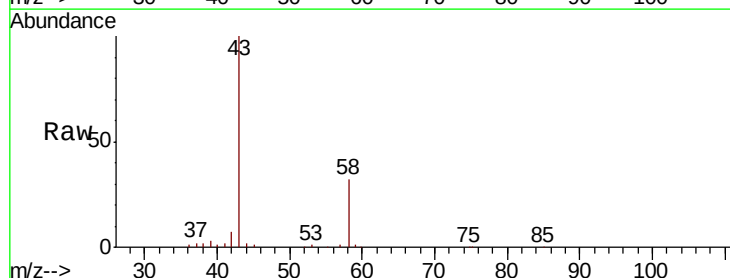
Acq: 14 Oct 2019 19:13

Tgt Ion: 43 Resp: 97743

Ion Ratio Lower Upper

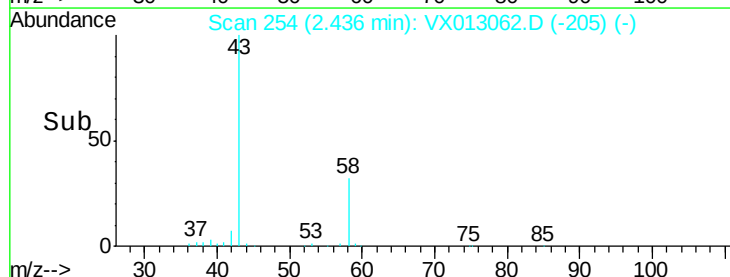
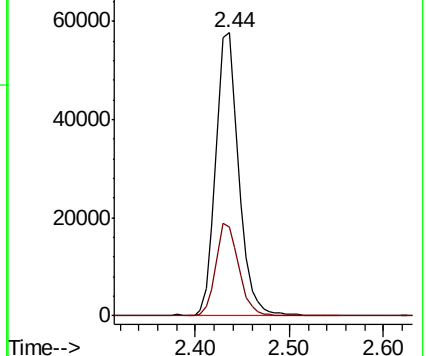
43 100

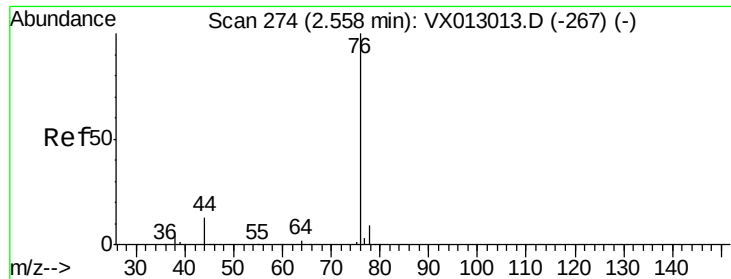
58 31.6 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.199 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

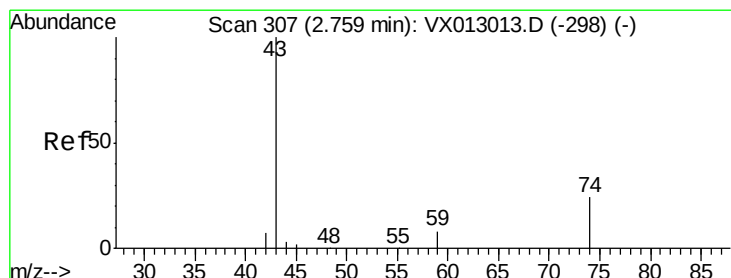
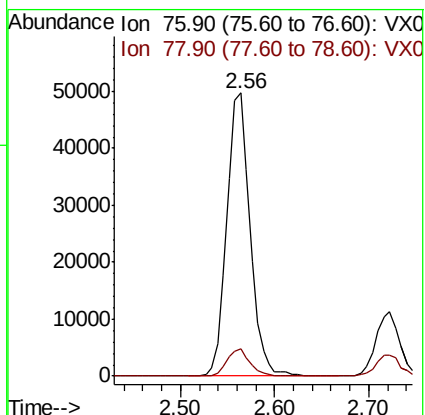
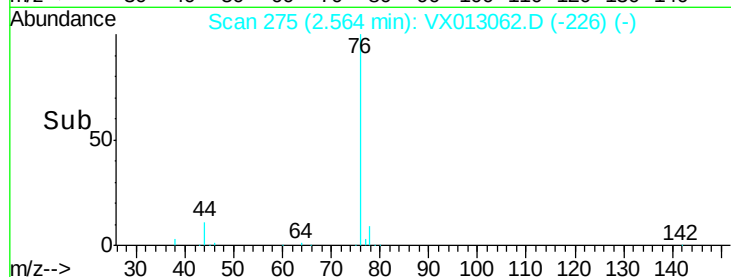
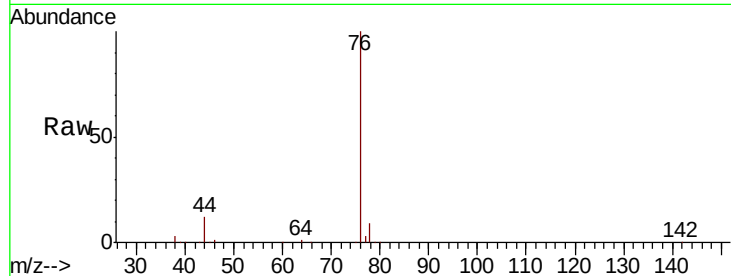
ClientSampled :

Tot Ion: 76 Resp: 85376

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



#18

Methyl Acetate

Concen: 19.689 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX013062.D

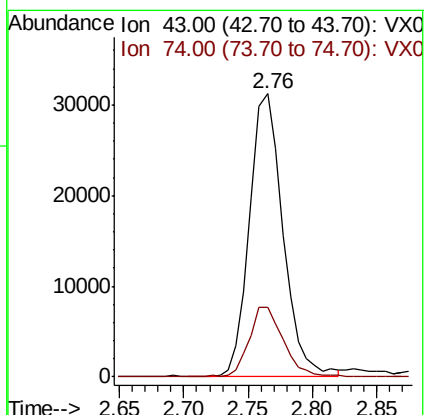
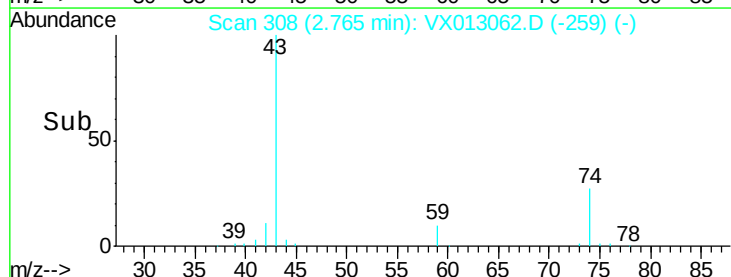
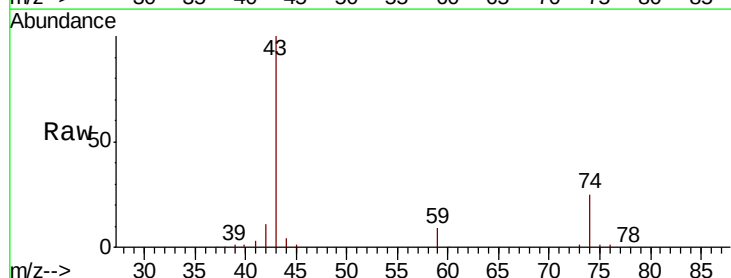
Acq: 14 Oct 2019 19:13

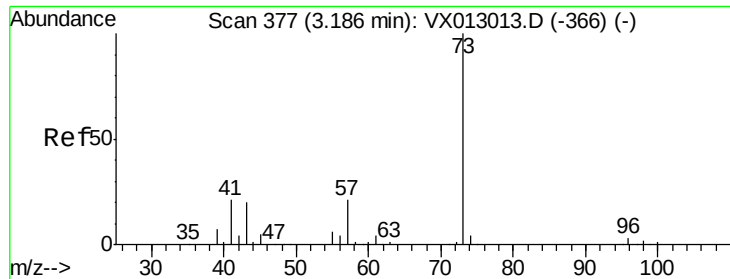
Tgt Ion: 43 Resp: 56235

Ion Ratio Lower Upper

43 100

74 25.3 19.2 28.8



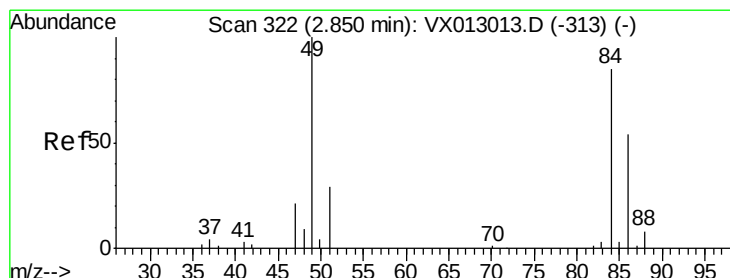
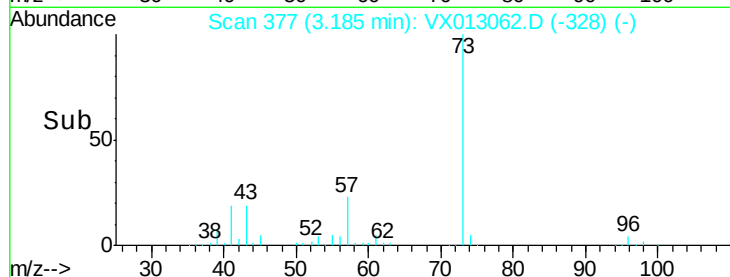
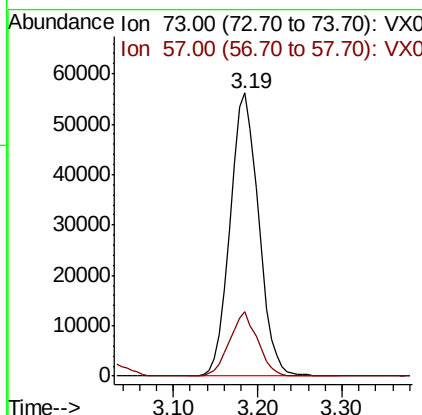
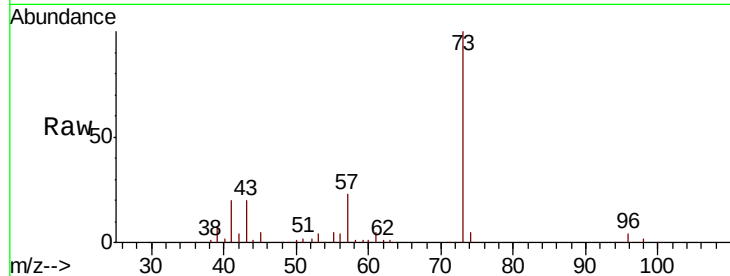


#19

Methyl tert-butyl Ether
 Concen: 20.203 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Instrument :
 MSVOA_X
 ClientSampleId :

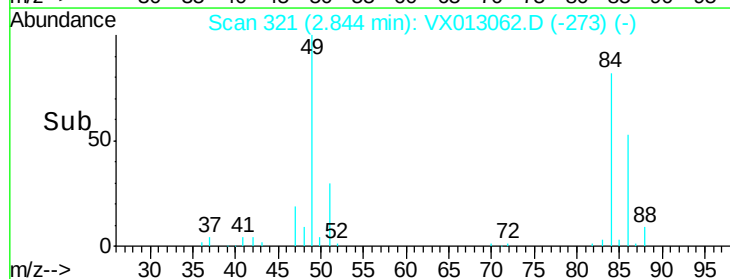
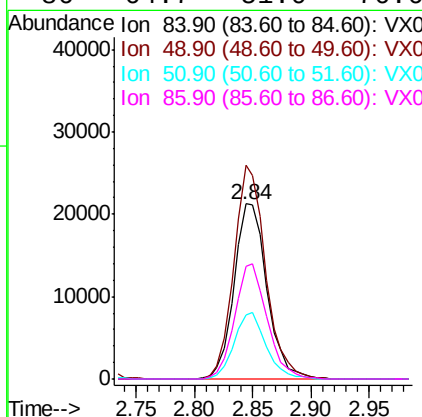
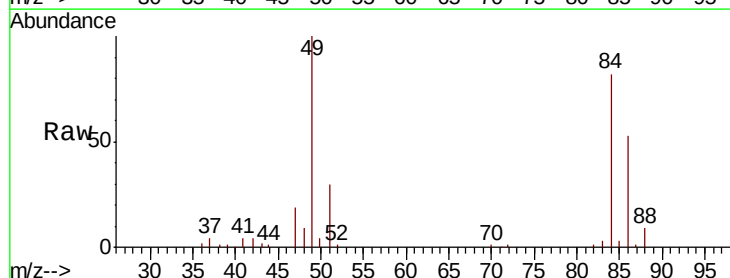
Tot Ion: 73 Resp: 128957
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.8 26.6

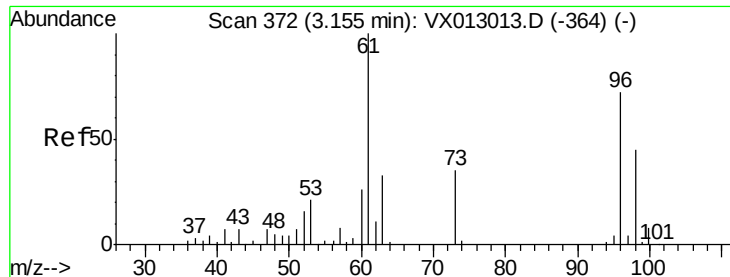


#20

Methylene Chloride
 Concen: 18.909 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 84 Resp: 41876
 Ion Ratio Lower Upper
 84 100
 49 122.0 96.6 144.8
 51 36.7 30.7 46.1
 86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.599 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampled :

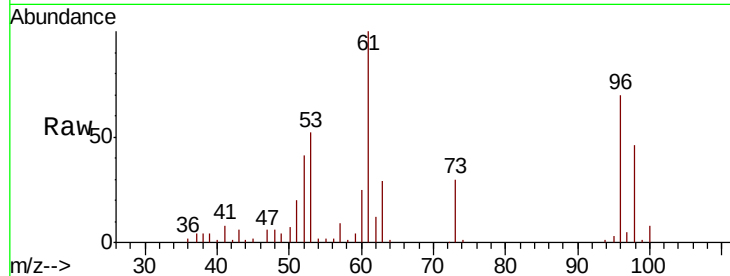
Tot Ion: 96 Resp: 38827

Ion Ratio Lower Upper

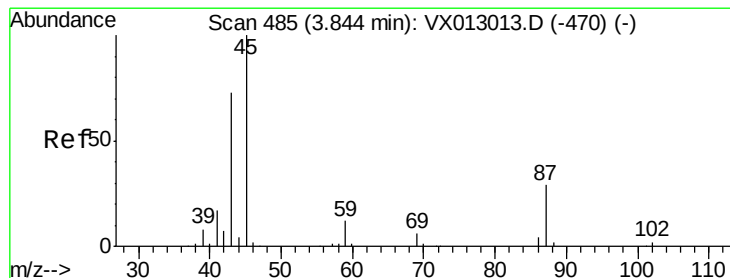
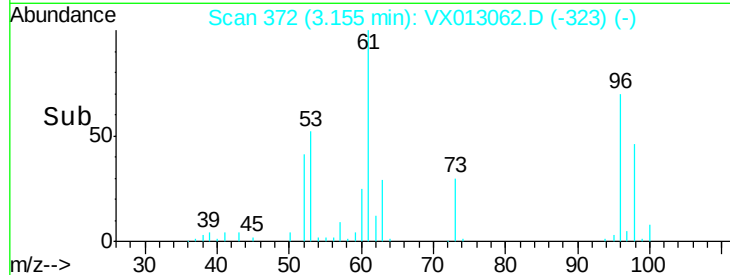
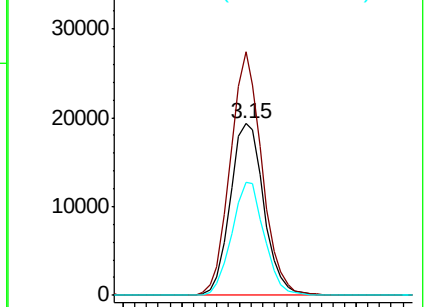
96 100

61 142.1 110.4 165.6

98 65.7 51.5 77.3



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: 19.915 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Tgt Ion: 45 Resp: 125612

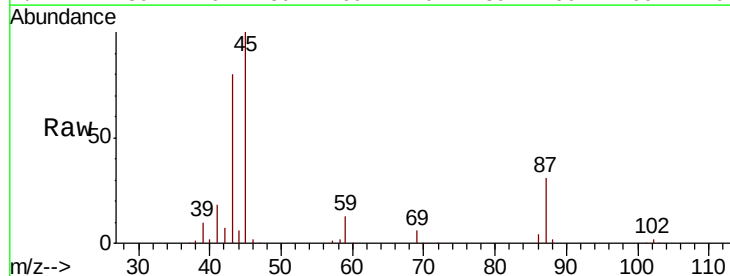
Ion Ratio Lower Upper

45 100

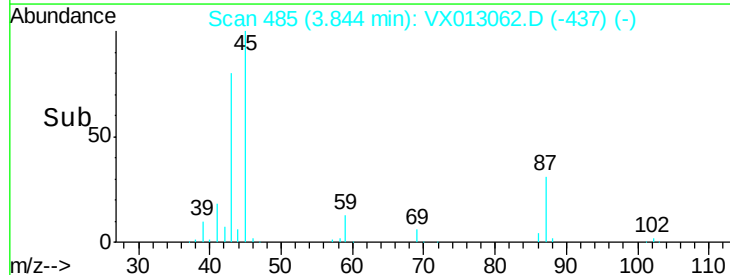
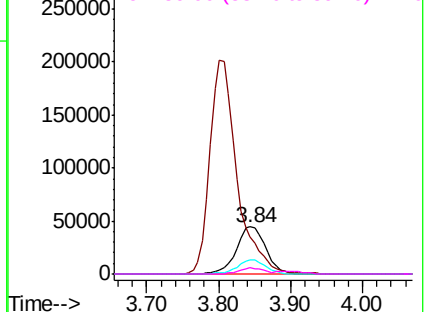
43 79.4 51.4 77.0#

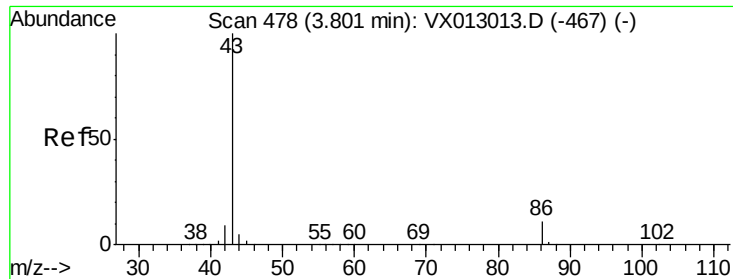
87 31.1 22.5 33.7

59 12.5 9.7 14.5



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: 97.108 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

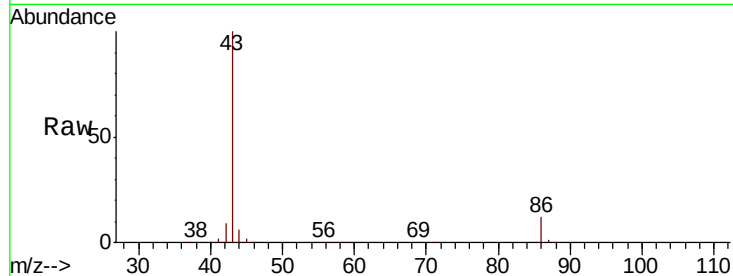
ClientSampleId :

Tot Ion: 43 Resp: 528763

Ion Ratio Lower Upper

43 100

86 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

200000

150000

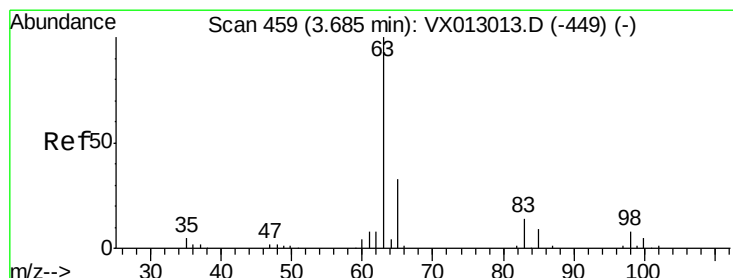
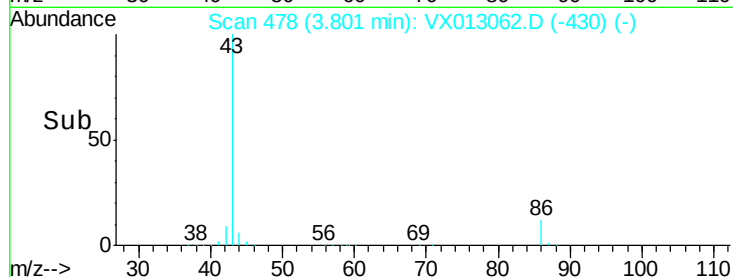
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.122 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

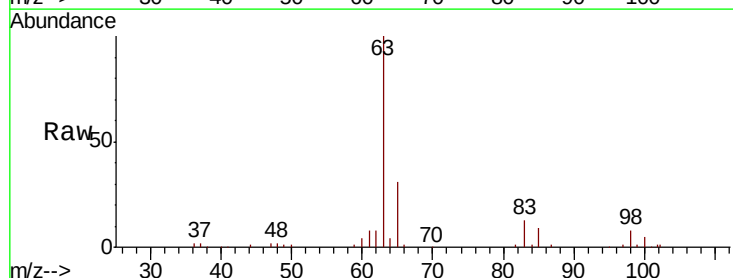
Tgt Ion: 63 Resp: 71400

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.7 2.3 6.9



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

40000

30000

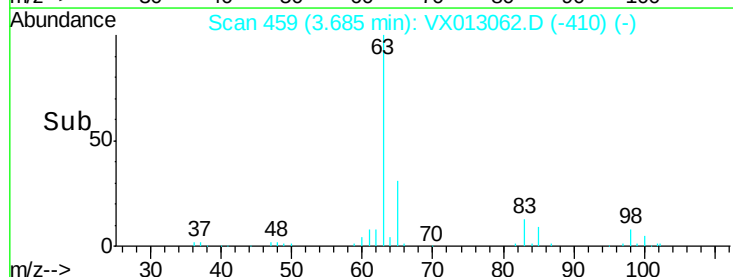
20000

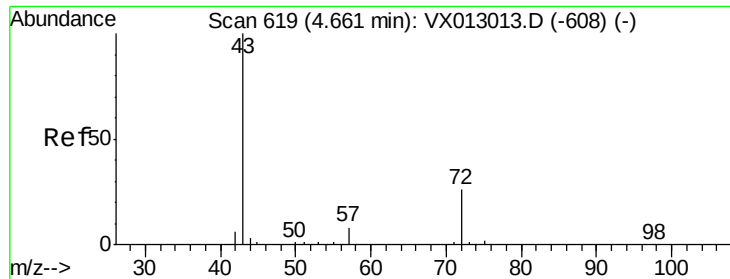
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 94.163 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

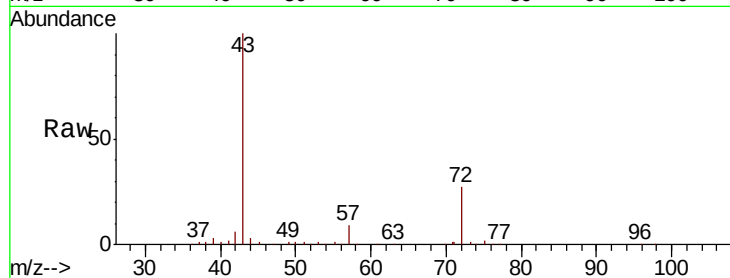
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 157419

Ion Ratio Lower Upper

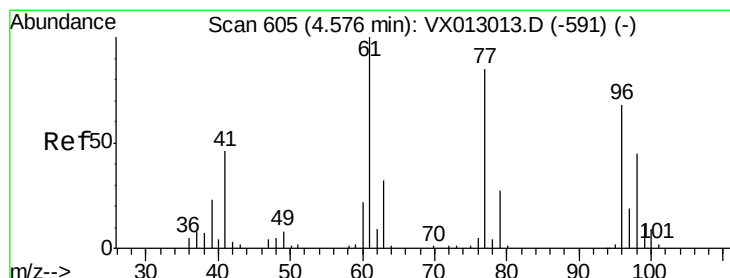
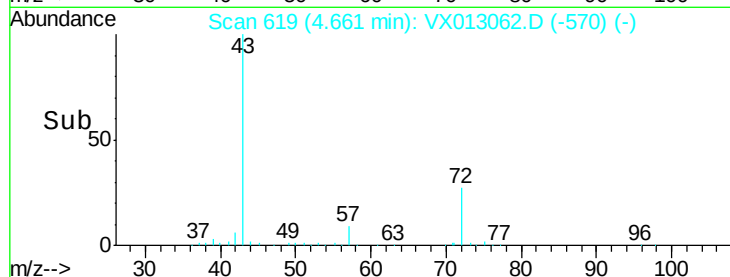
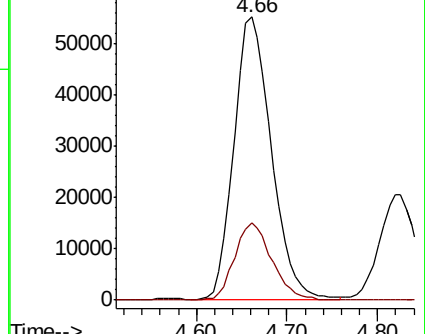
43 100

72 27.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.228 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013062.D

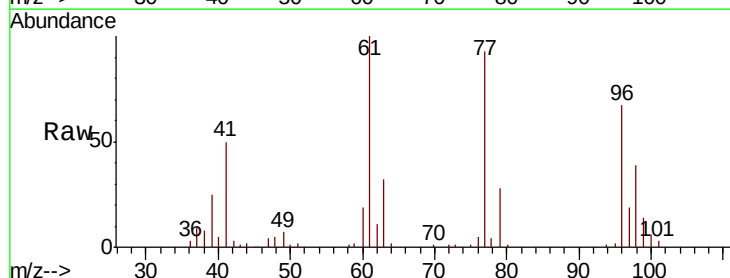
Acq: 14 Oct 2019 19:13

Tgt Ion: 77 Resp: 48422

Ion Ratio Lower Upper

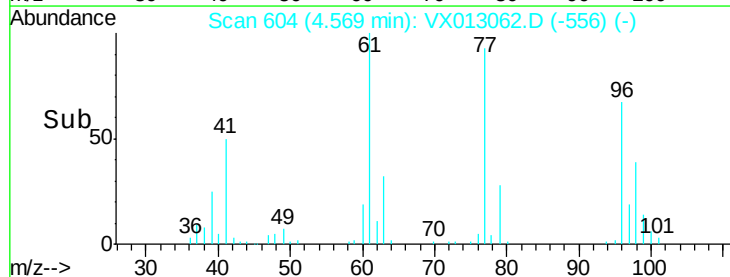
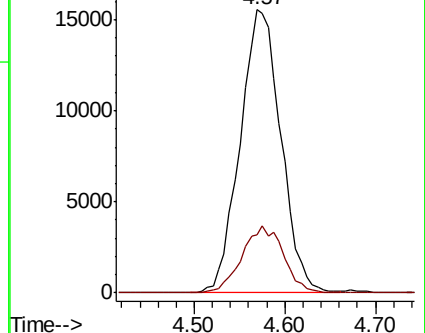
77 100

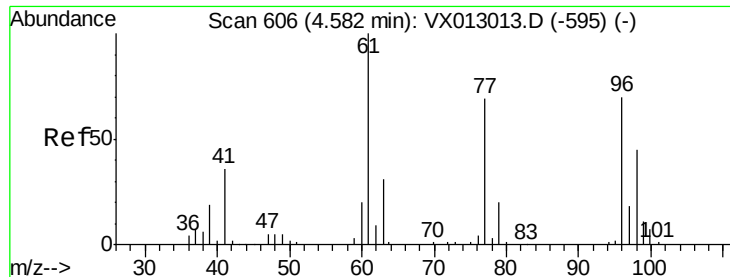
97 23.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



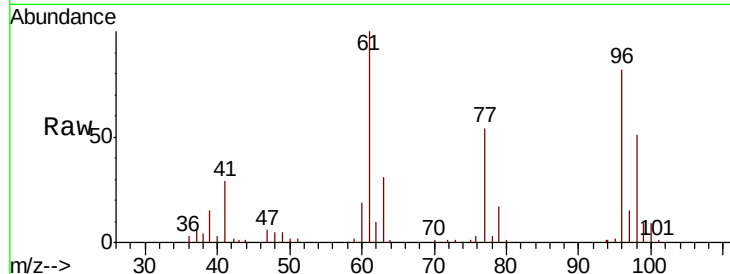


#27

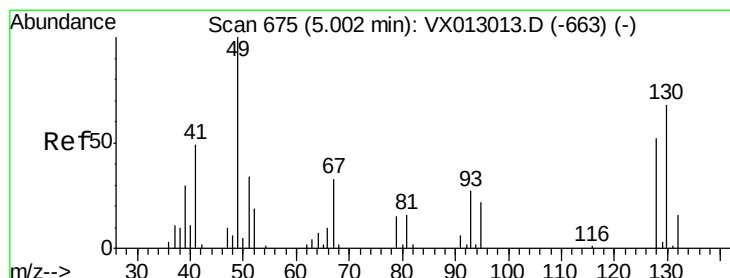
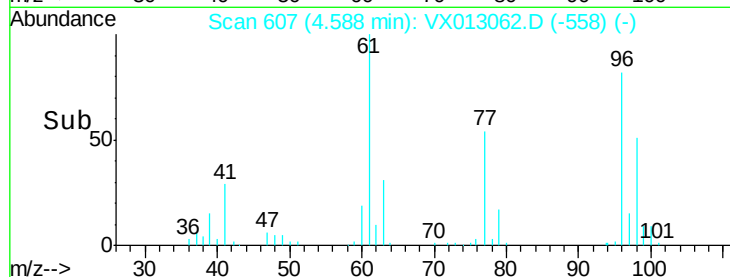
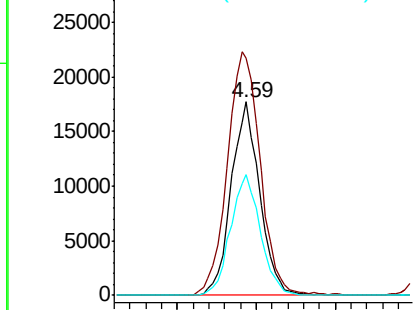
cis-1,2-Dichloroethene
Concen: 19.583 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 44720
Ion Ratio Lower Upper
96 100
61 144.6 0.0 290.6
98 65.1 0.0 128.8



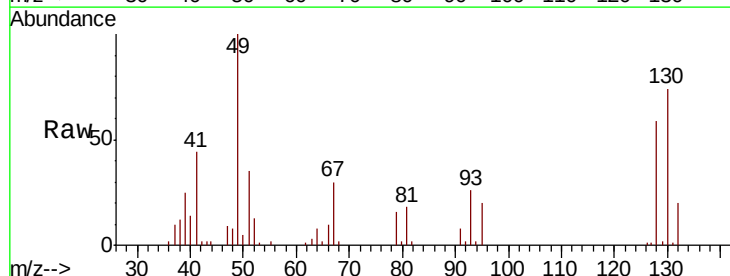
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



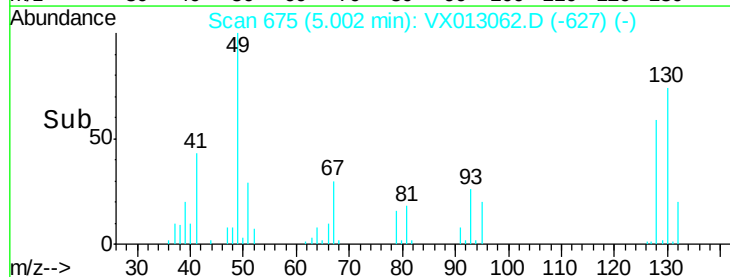
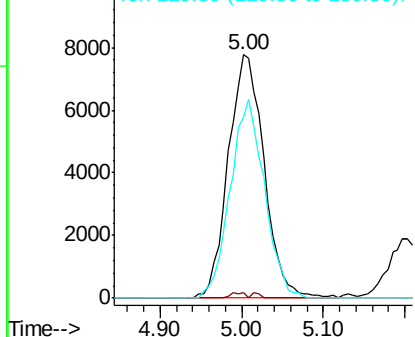
#28

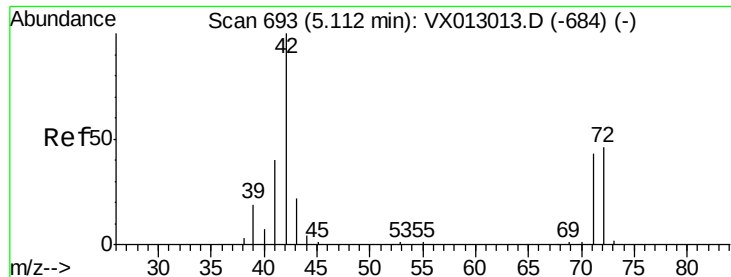
Bromochloromethane
Concen: 21.959 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 49 Resp: 23553
Ion Ratio Lower Upper
49 100
129 0.4 0.0 4.2
130 78.2 62.1 93.1



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

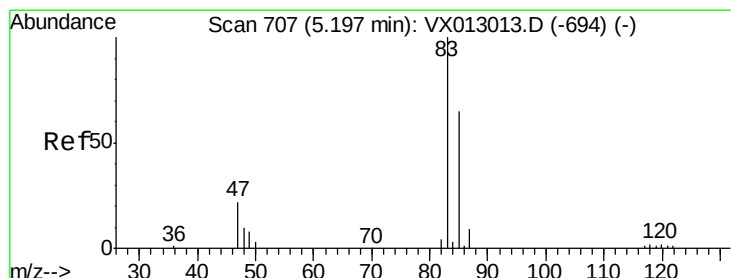
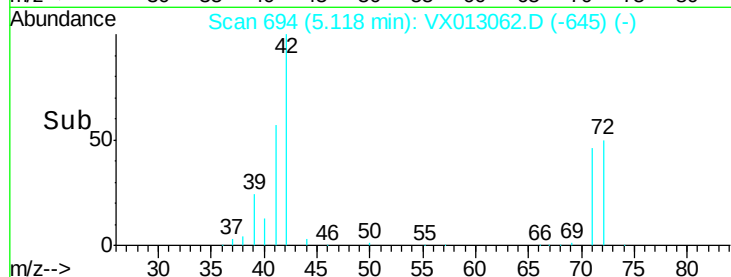
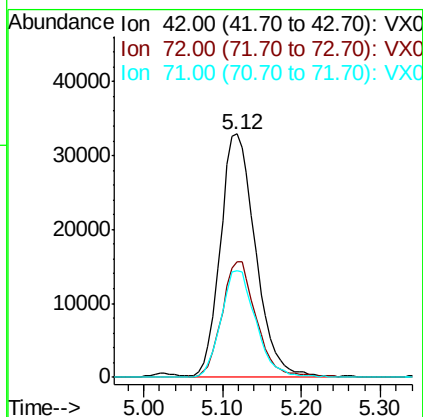
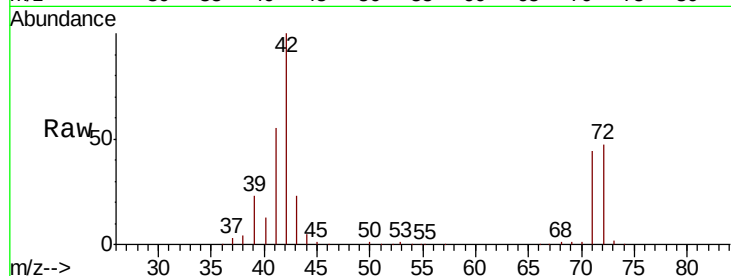




#29
Tetrahydrofuran
Concen: 98.880 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

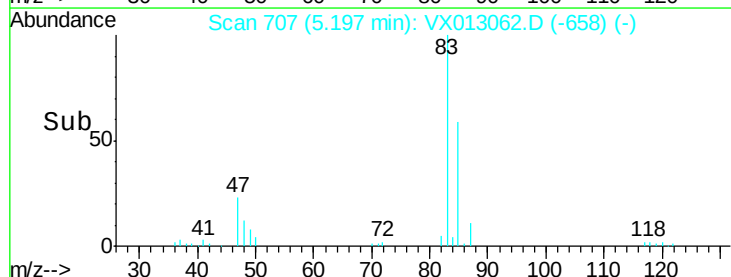
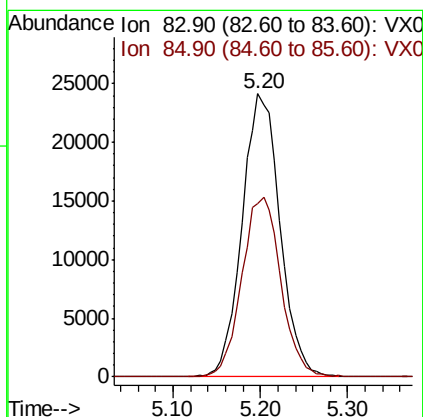
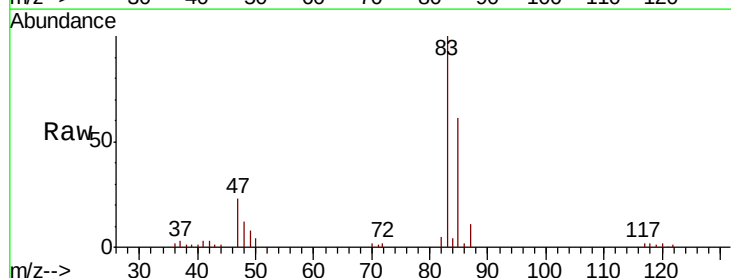
Instrument :
MSVOA_X
ClientSampled :

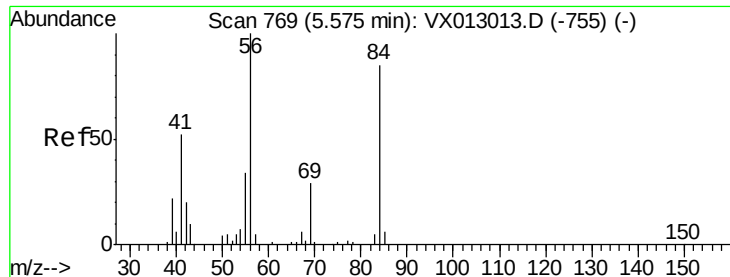
Tot Ion: 42 Resp: 101723
Ion Ratio Lower Upper
42 100
72 47.0 36.9 55.3
71 43.6 33.5 50.3



#30
Chloroform
Concen: 19.918 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 83 Resp: 72522
Ion Ratio Lower Upper
83 100
85 61.4 51.5 77.3

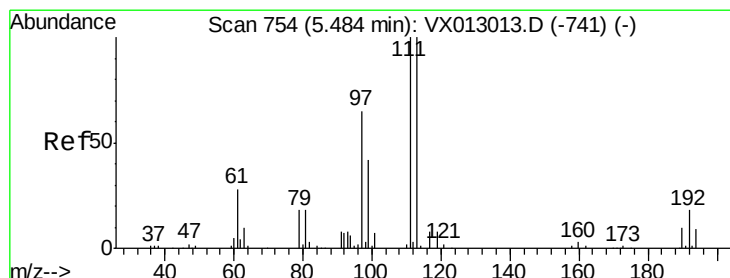
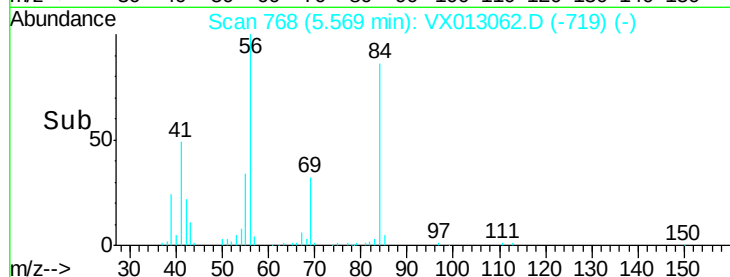
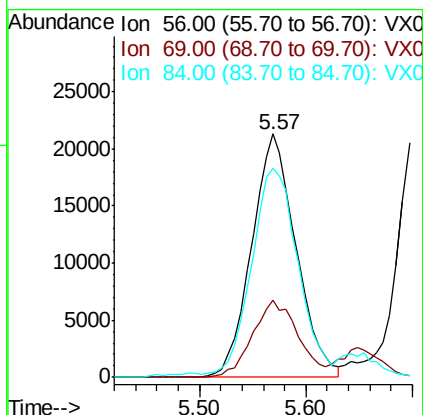
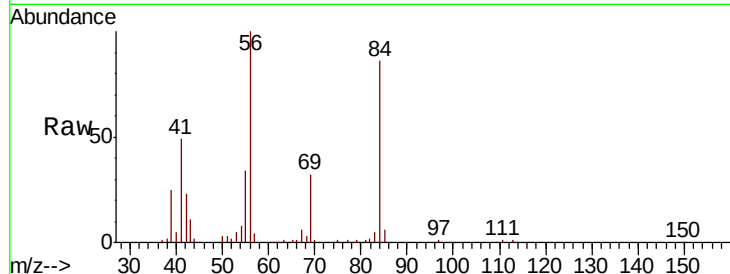




#31
Cyclohexane
Concen: 18.663 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

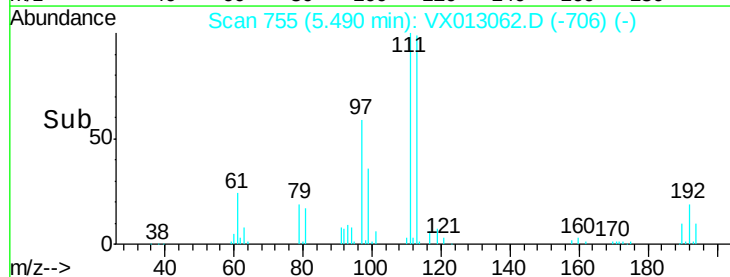
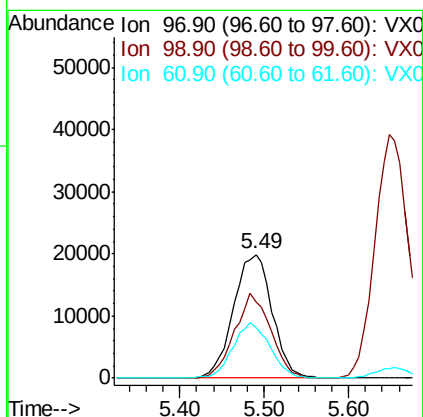
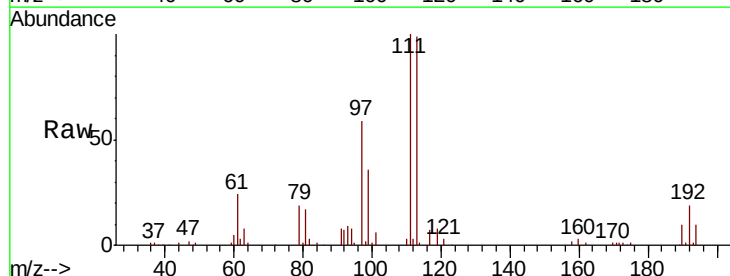
Instrument :
MSVOA_X
ClientSampled :

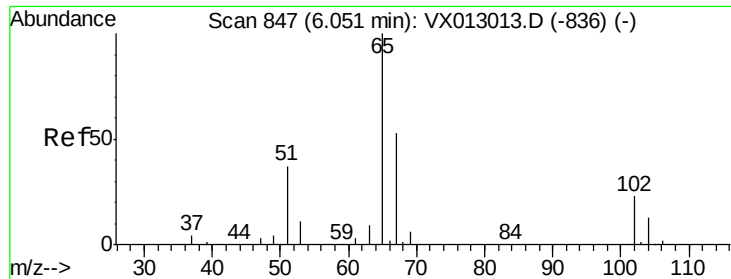
Tot Ion: 56 Resp: 61923
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 83.9 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 20.008 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 97 Resp: 61726
Ion Ratio Lower Upper
97 100
99 64.2 52.3 78.5
61 43.1 35.0 52.4

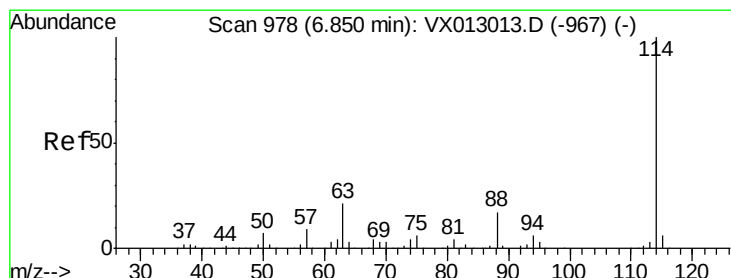
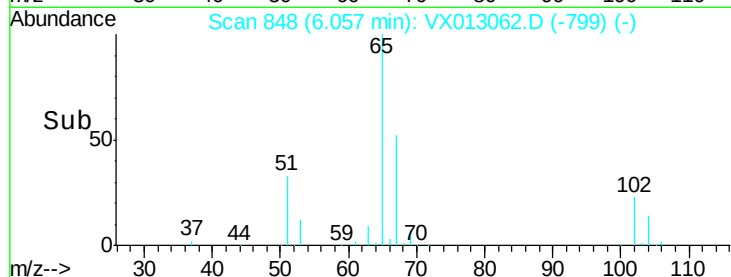
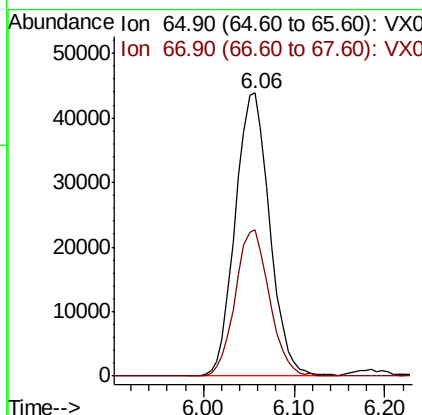
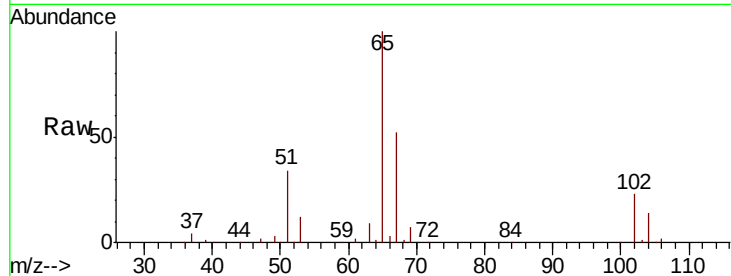




#33
 1,2-Dichloroethane-d4
 Concen: 50.548 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

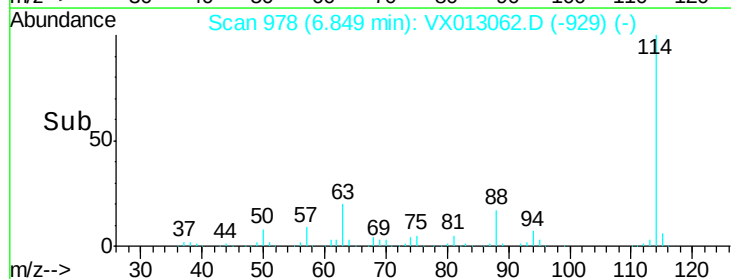
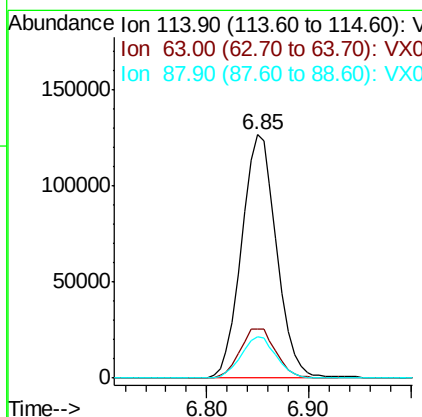
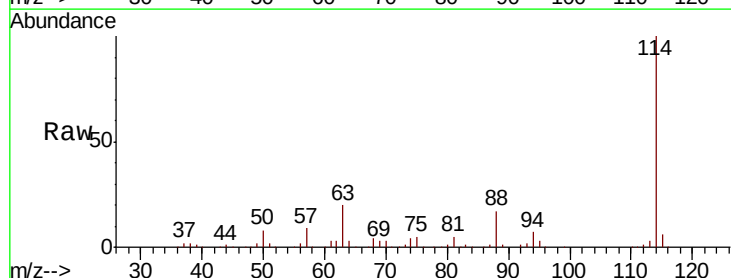
Instrument :
 MSVOA_X
 ClientSampleId :

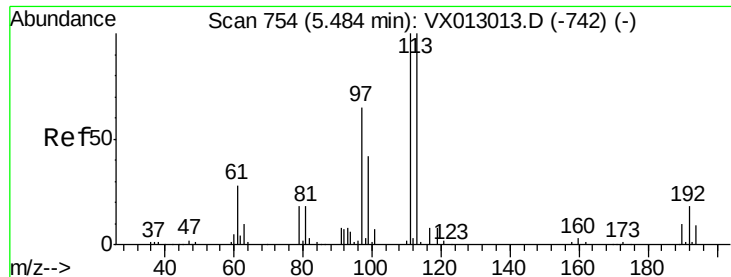
Tot Ion: 65 Resp: 115559
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 114 Resp: 301345
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 17.1 0.0 33.8

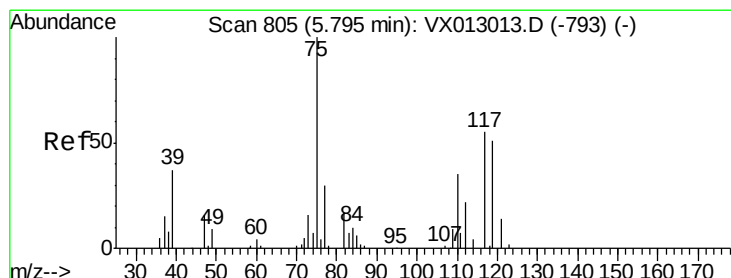
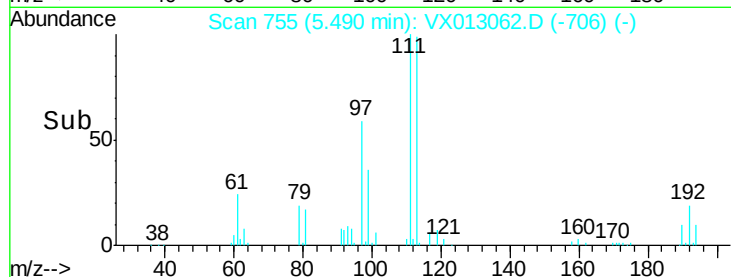
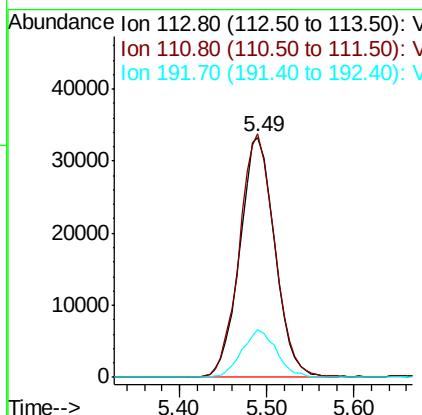
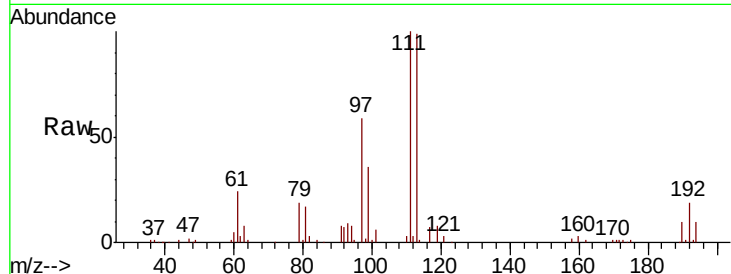




#35
 Dibromofluoromethane
 Concen: 53.600 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

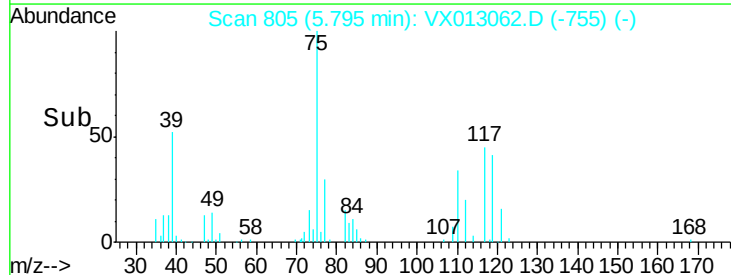
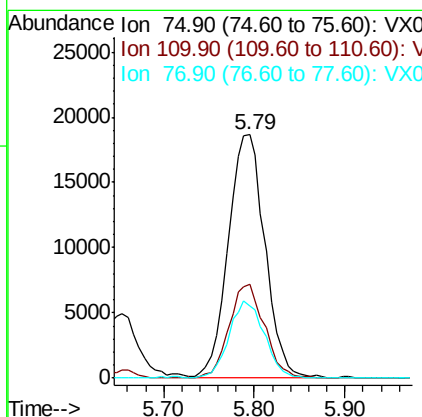
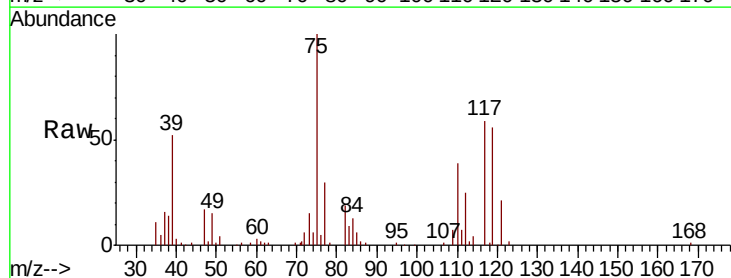
Instrument :
 MSVOA_X
 ClientSampleId :

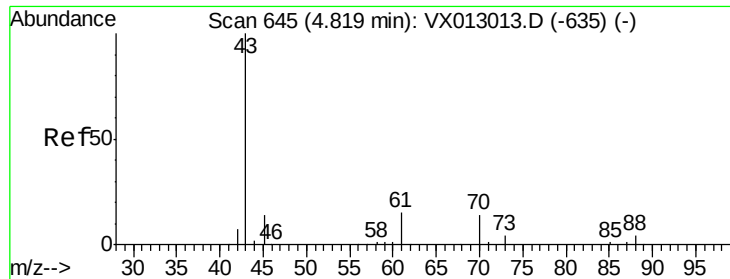
Tot Ion:113 Resp: 92705
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 19.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 19.639 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 75 Resp: 52033
 Ion Ratio Lower Upper
 75 100
 110 37.3 17.6 52.9
 77 30.7 24.4 36.6

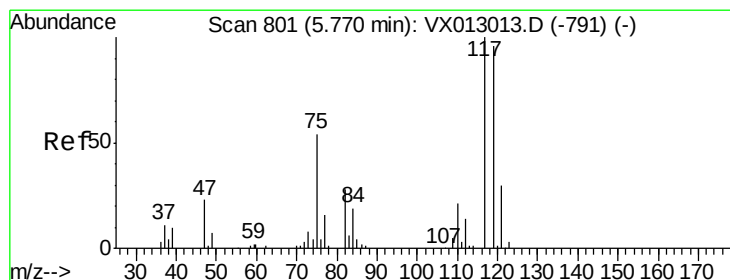
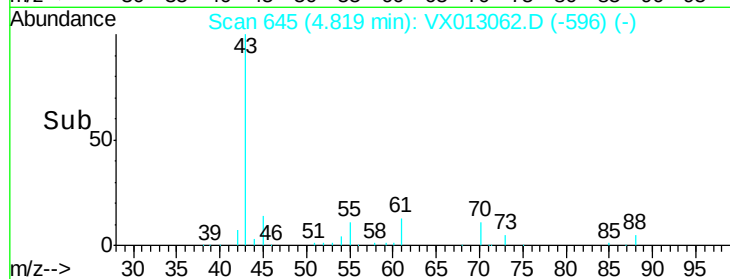
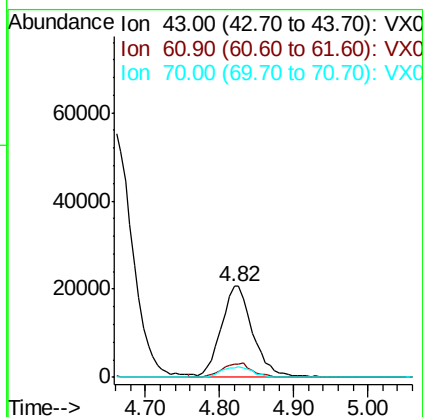
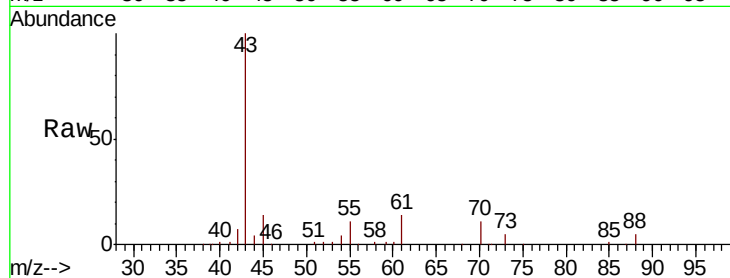




#37
Ethyl Acetate
Concen: 20.491 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

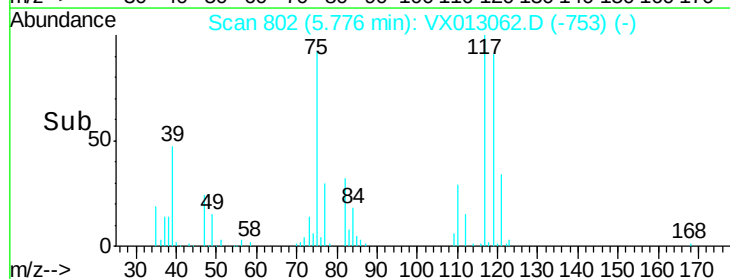
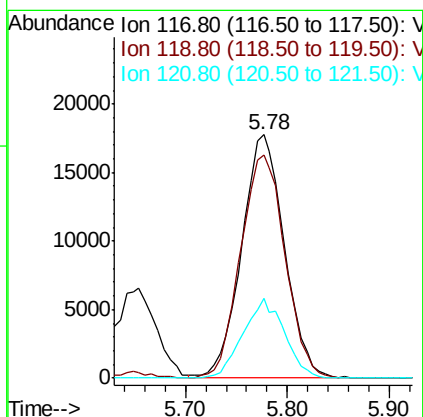
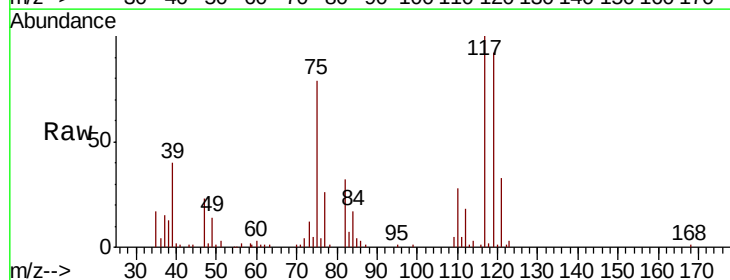
Instrument :
MSVOA_X
ClientSampleId :

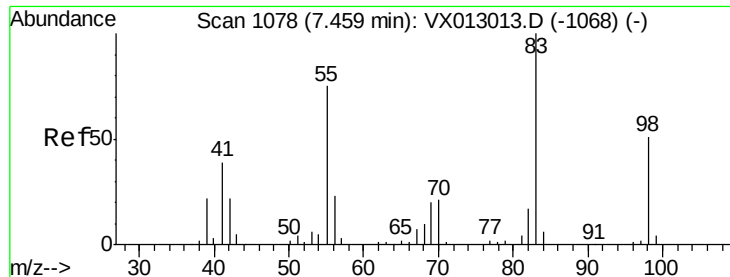
Tot Ion: 43 Resp: 60707
Ion Ratio Lower Upper
43 100
61 14.9 11.4 17.0
70 12.0 9.8 14.6



#38
Carbon Tetrachloride
Concen: 20.051 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 117 Resp: 51709
Ion Ratio Lower Upper
117 100
119 91.5 74.5 111.7
121 32.5 24.2 36.4

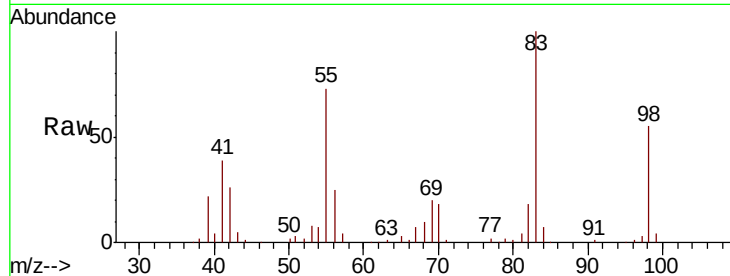




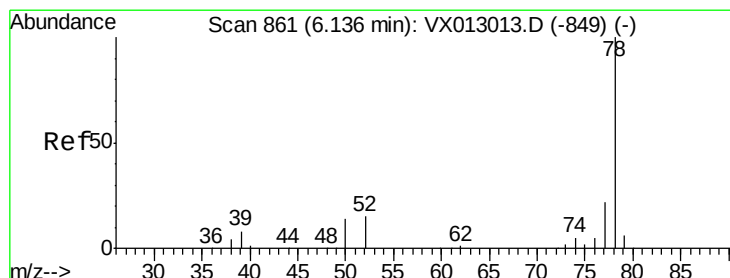
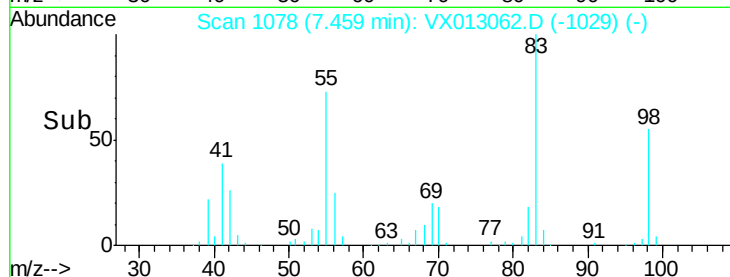
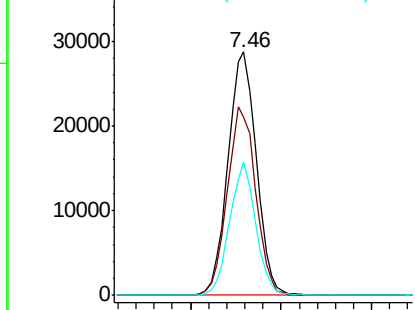
#39
Methylvlcyclohexane
Concen: 19.501 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 62658
Ion Ratio Lower Upper
83 100
55 73.1 60.2 90.4
98 54.7 38.5 57.7

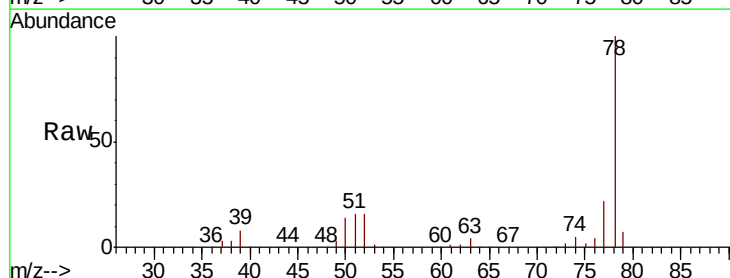


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

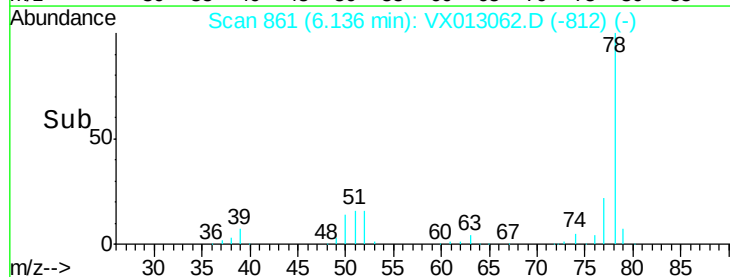
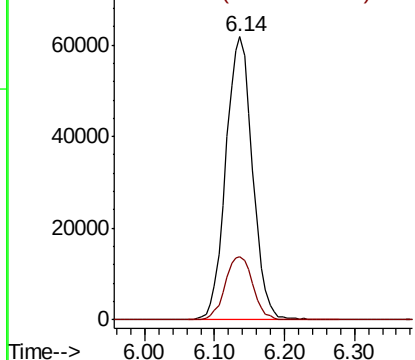


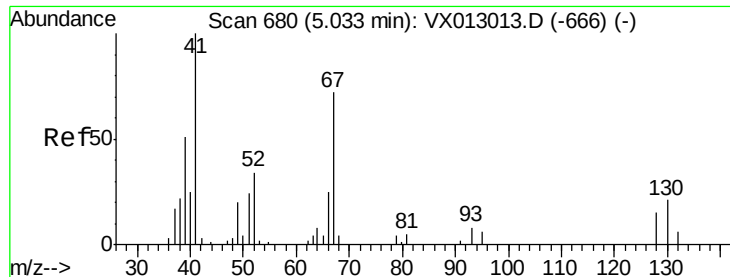
#40
Benzene
Concen: 20.864 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 78 Resp: 163262
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4



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





#41

Methacrylonitrile

Concen: 20.101 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 32722

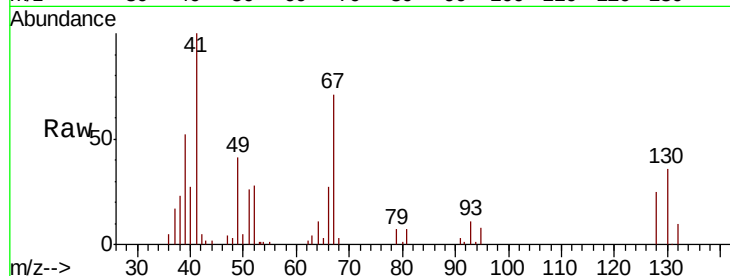
Ion Ratio Lower Upper

41 100

39 54.0 44.0 66.0

67 75.8 58.5 87.7

52 30.7 23.8 35.8

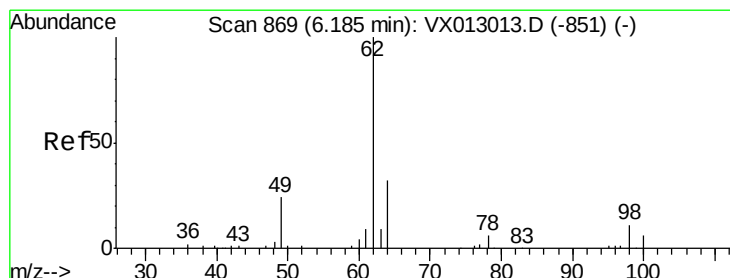
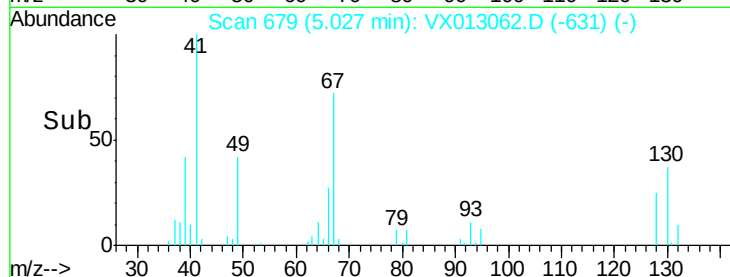
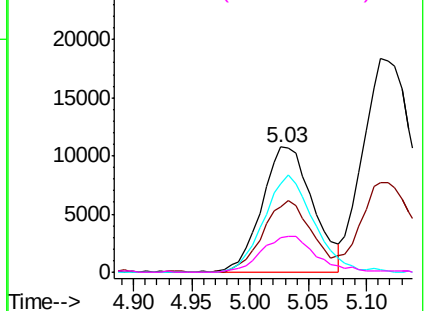


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.578 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013062.D

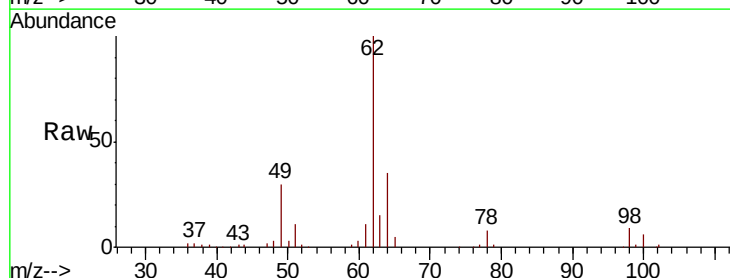
Acq: 14 Oct 2019 19:13

Tgt Ion: 62 Resp: 57780

Ion Ratio Lower Upper

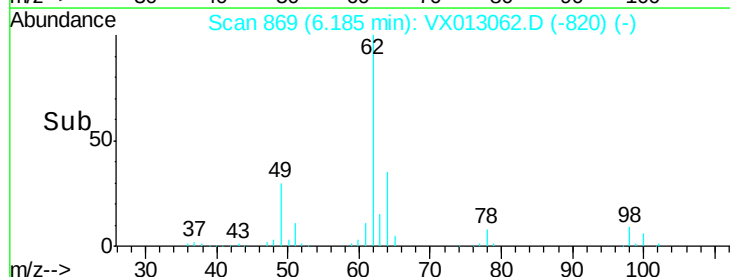
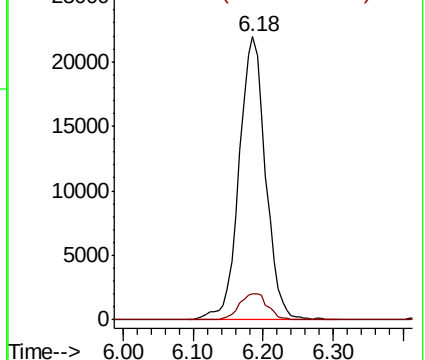
62 100

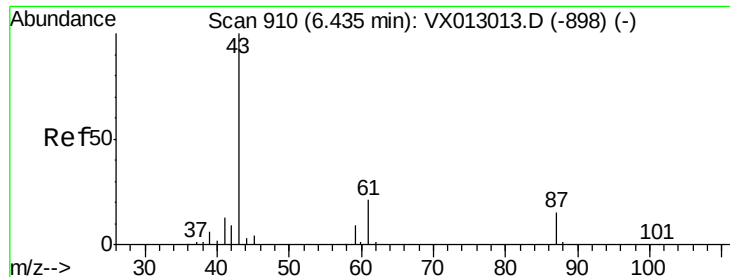
98 9.9 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.307 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

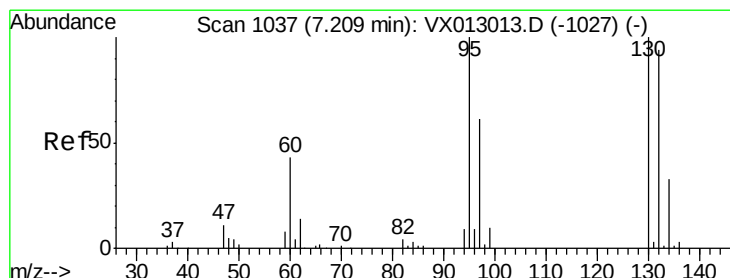
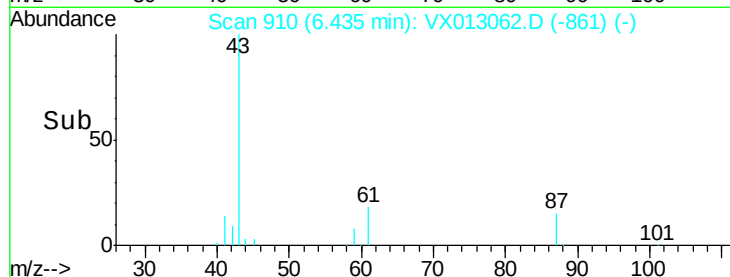
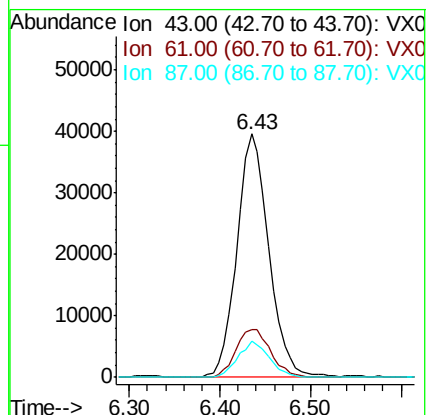
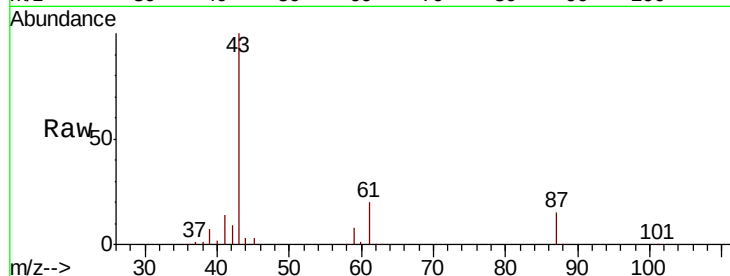
Tot Ion: 43 Resp: 96561

Ion Ratio Lower Upper

43 100

61 21.4 16.6 24.8

87 14.3 11.0 16.6



#44

Trichloroethene

Concen: 19.533 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013062.D

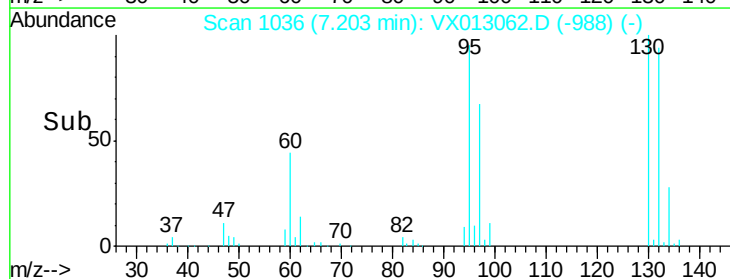
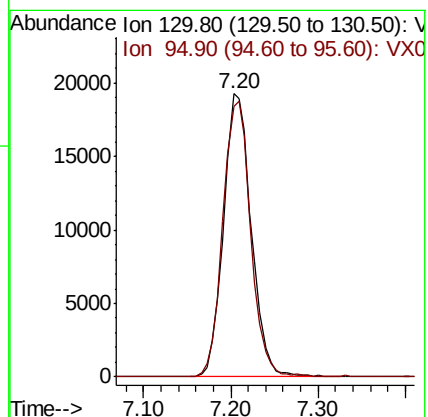
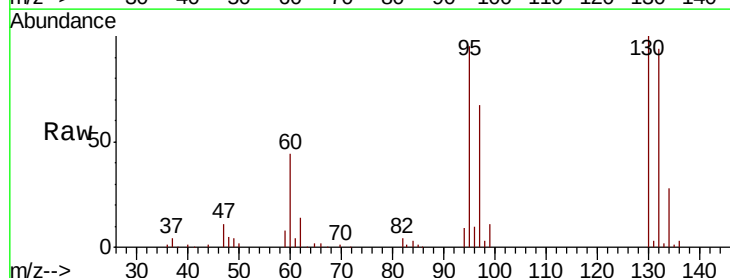
Acq: 14 Oct 2019 19:13

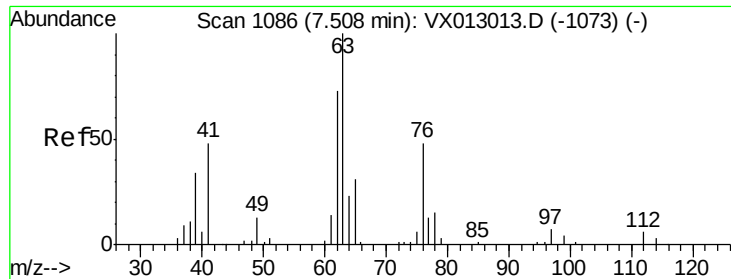
Tgt Ion: 130 Resp: 42385

Ion Ratio Lower Upper

130 100

95 95.4 0.0 189.2

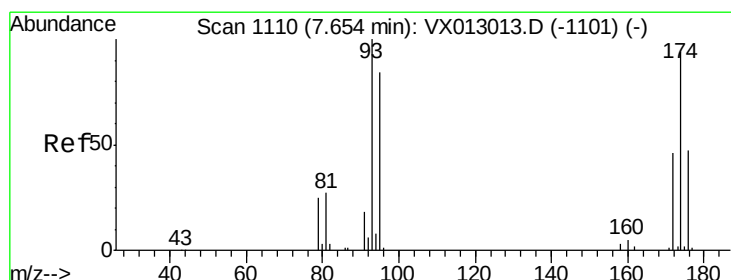
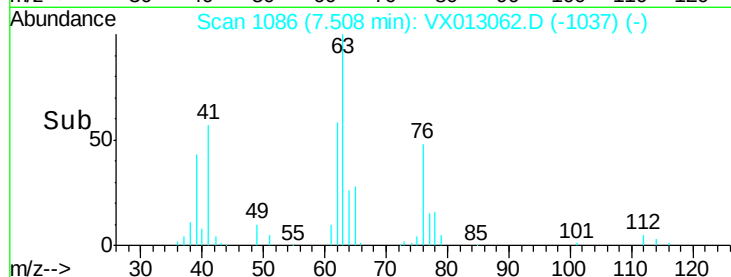
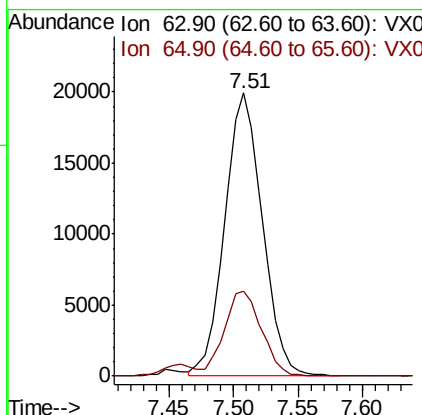
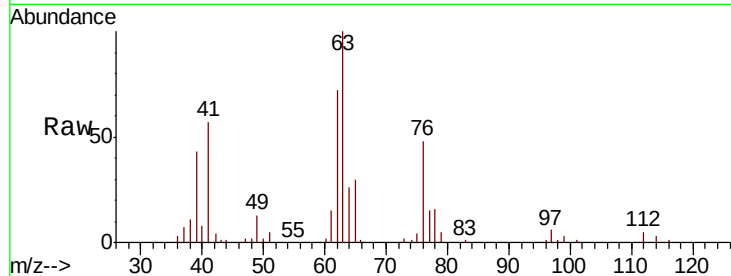




#45
 1,2-Dichloropropane
 Concen: 20.413 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

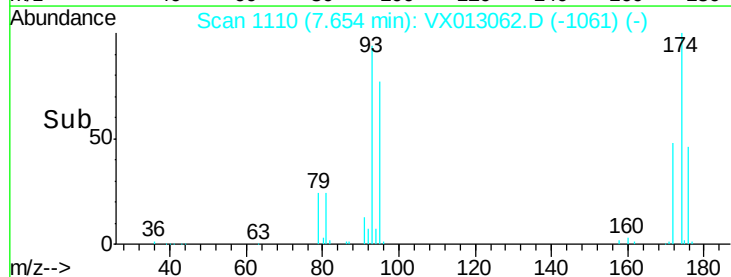
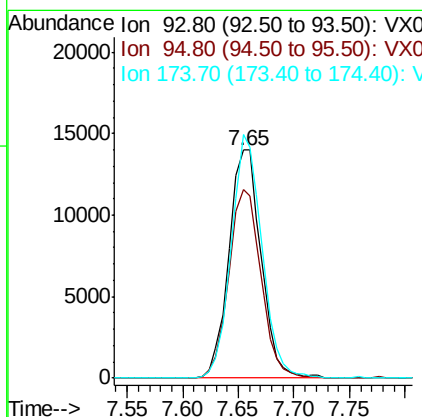
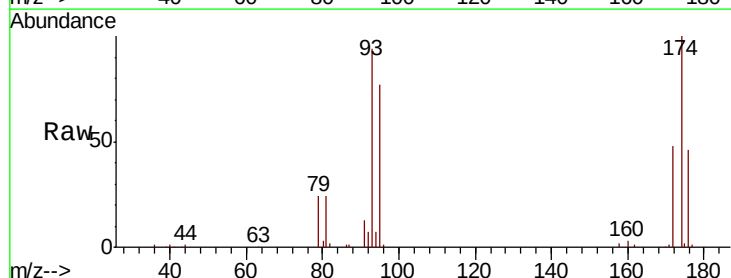
Instrument :
 MSVOA_X
 ClientSampled :

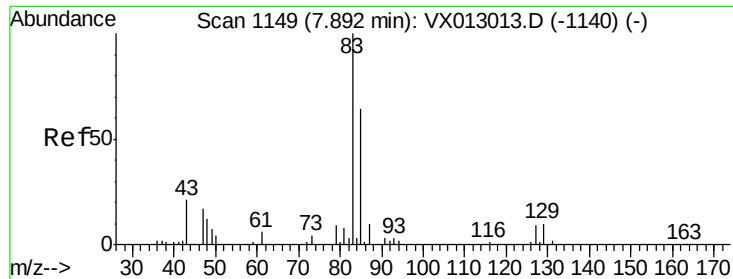
Tot Ion: 63 Resp: 40711
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0



#46
 Dibromomethane
 Concen: 21.059 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 93 Resp: 27983
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.3 99.5
 174 101.6 77.8 116.6





#47

Bromodichloromethane

Concen: 20.497 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

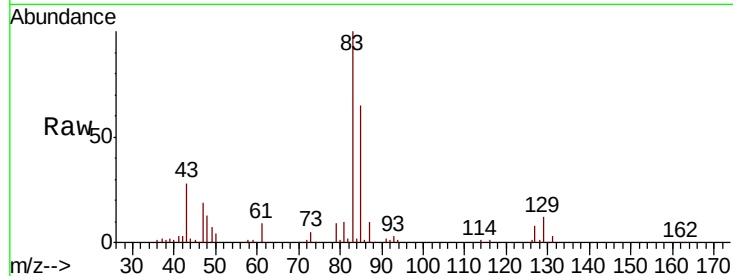
Tot Ion: 83 Resp: 53150

Ion Ratio Lower Upper

83 100

85 65.1 52.4 78.6

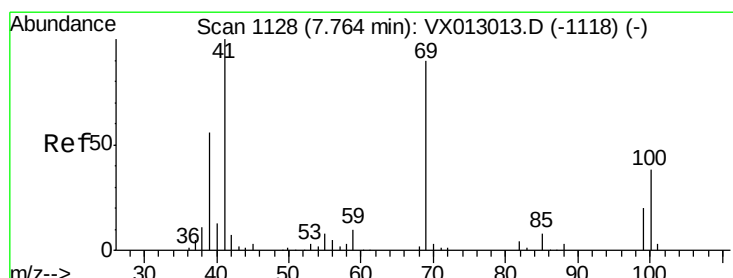
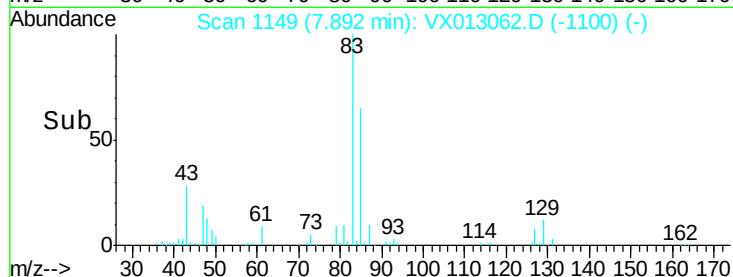
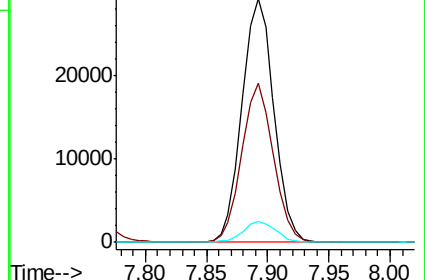
127 8.4 6.6 10.0



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: 19.858 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

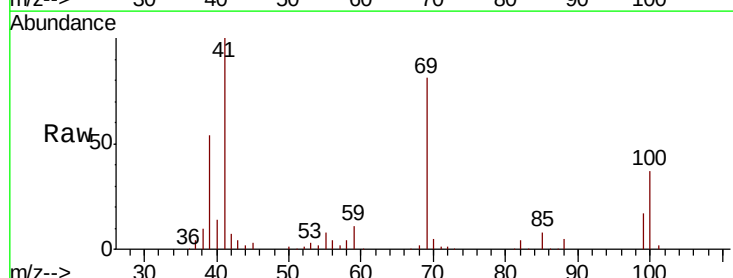
Tgt Ion: 41 Resp: 46015

Ion Ratio Lower Upper

41 100

69 87.1 68.7 103.1

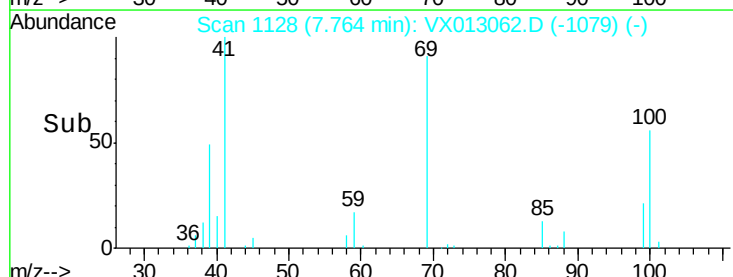
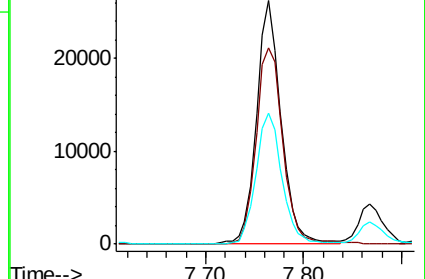
39 56.7 44.3 66.5

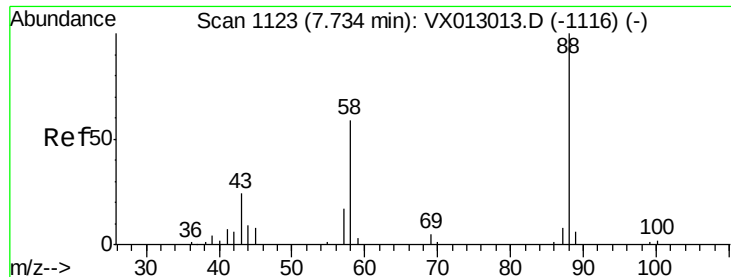


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

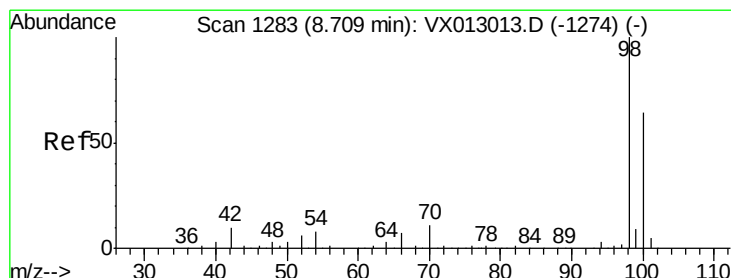
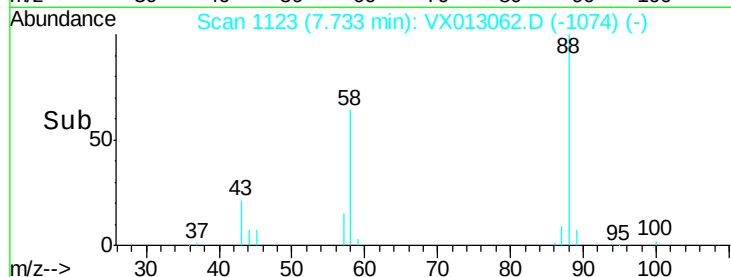
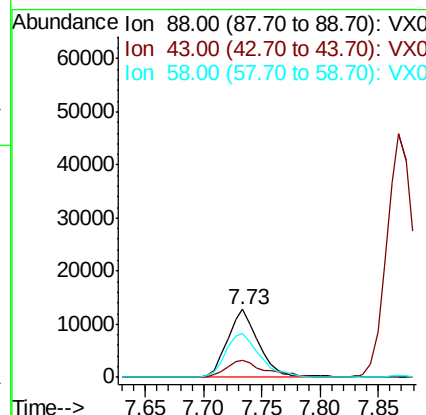
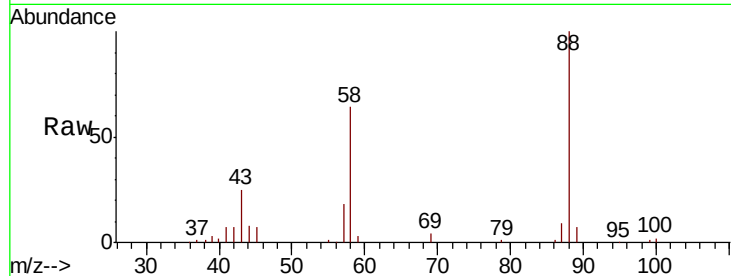




#49
1,4-Dioxane
Concen: 404.025 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

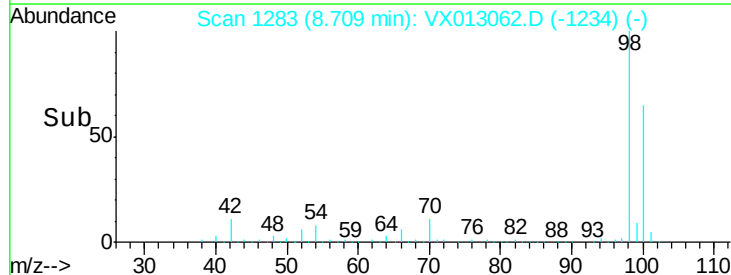
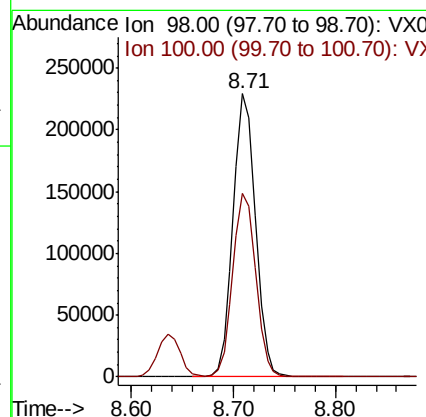
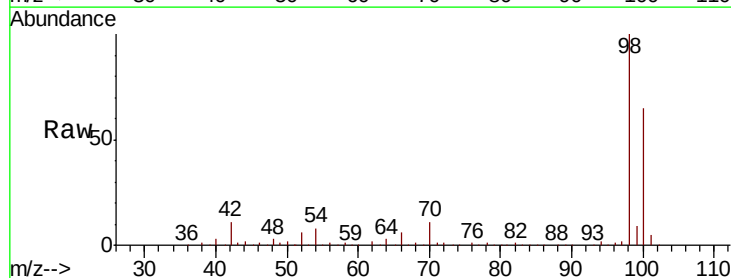
Instrument :
MSVOA_X
ClientSampleId :

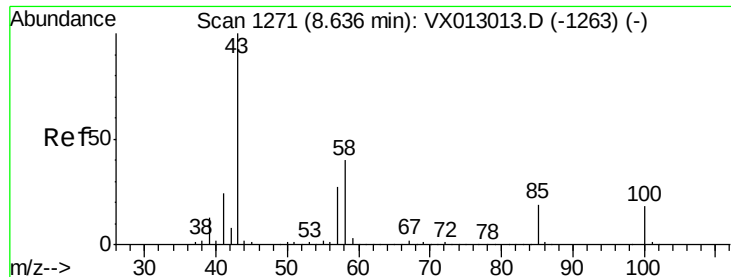
Tot Ion: 88 Resp: 23776
Ion Ratio Lower Upper
88 100
43 31.3 25.0 37.6
58 69.9 55.4 83.2



#50
Toluene-d8
Concen: 51.826 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 98 Resp: 349600
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 103.673 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

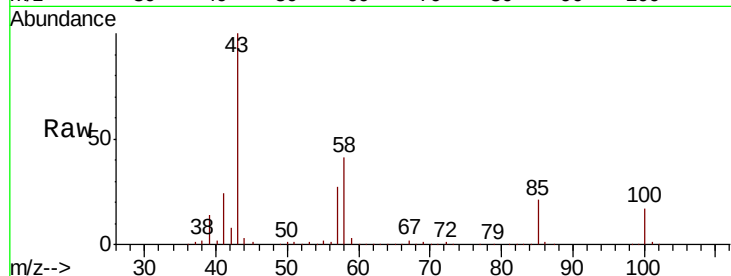
ClientSampled :

Tot Ion: 43 Resp: 307354

Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

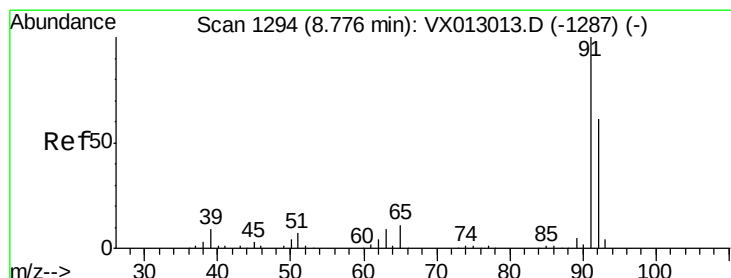
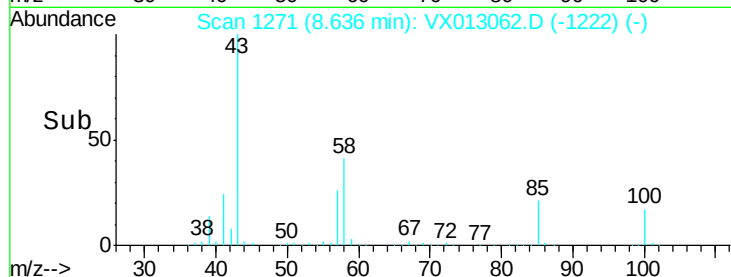
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.580 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013062.D

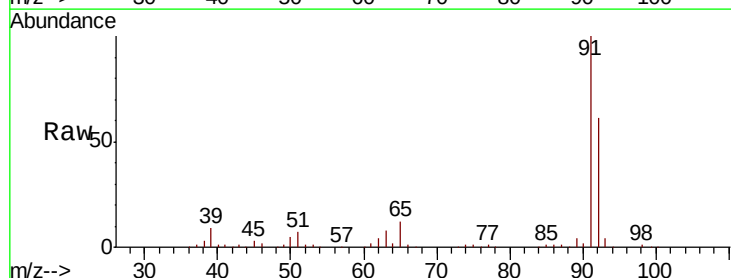
Acq: 14 Oct 2019 19:13

Tgt Ion: 92 Resp: 103028

Ion Ratio Lower Upper

92 100

91 166.4 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

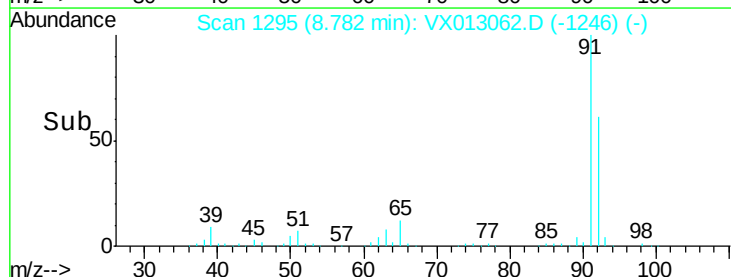
60000

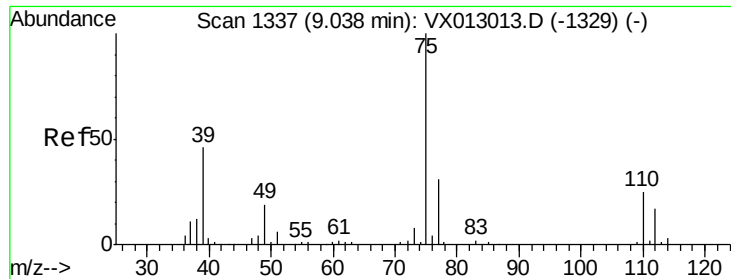
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.189 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

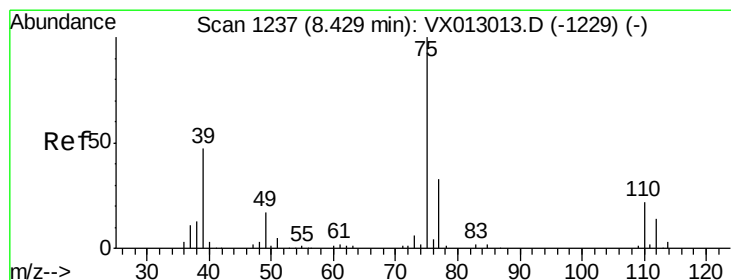
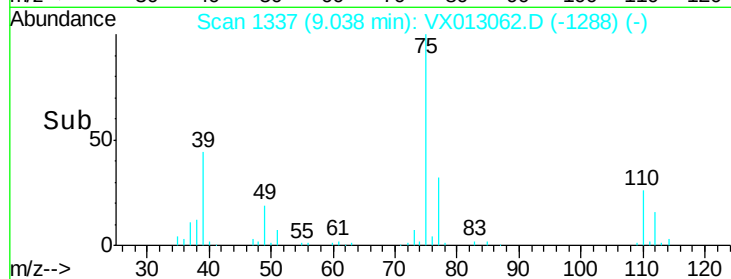
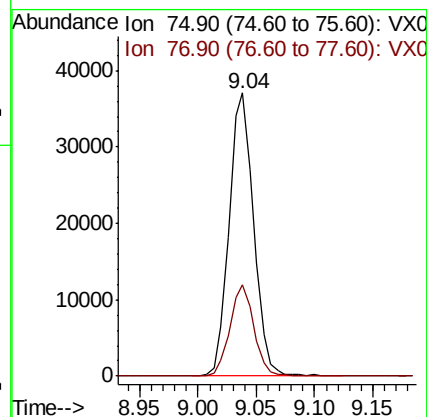
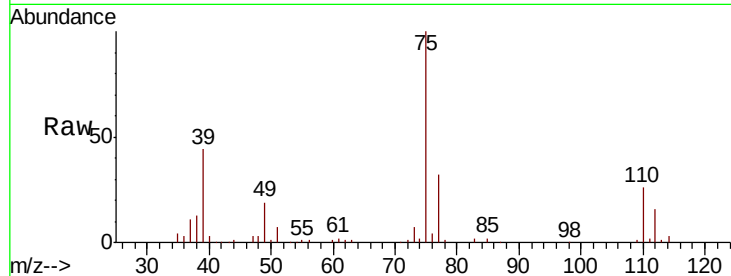
ClientSampleId :

Tot Ion: 75 Resp: 54193

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.811 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

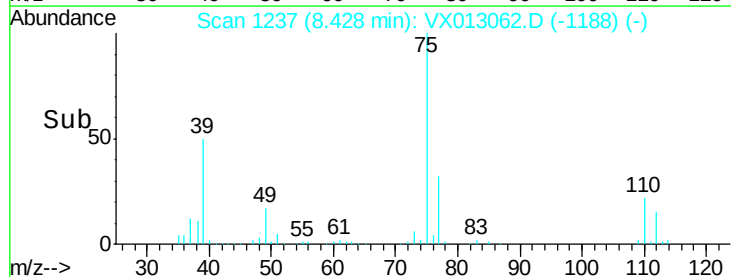
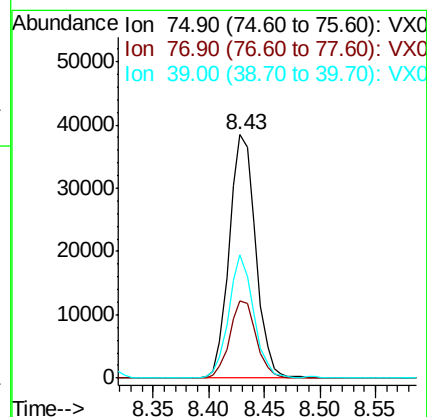
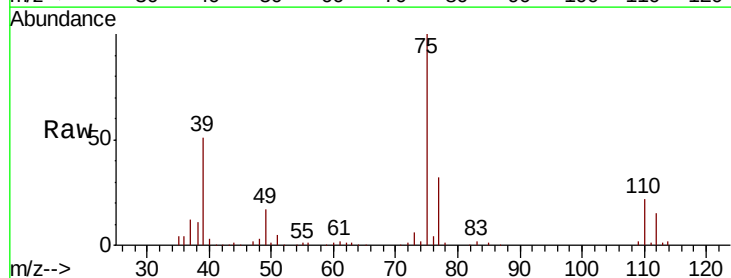
Tgt Ion: 75 Resp: 63184

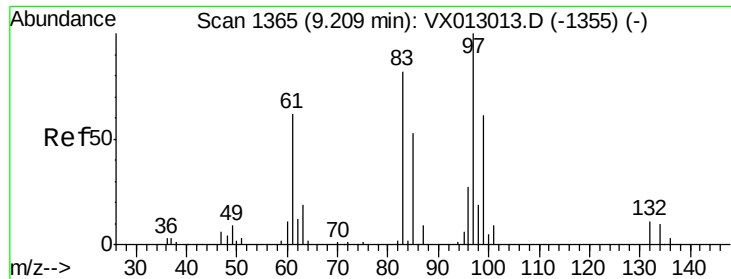
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 50.3 38.2 57.2

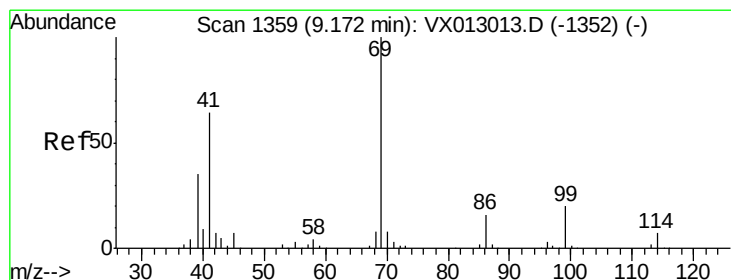
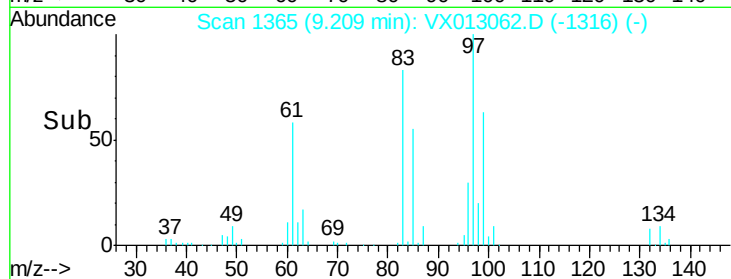
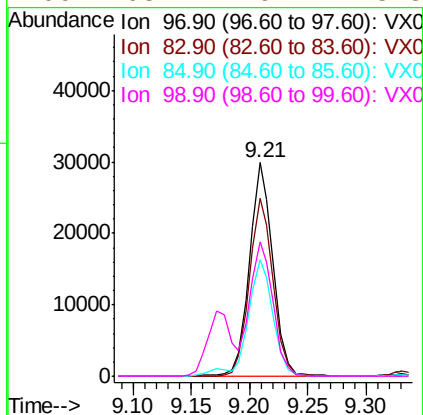
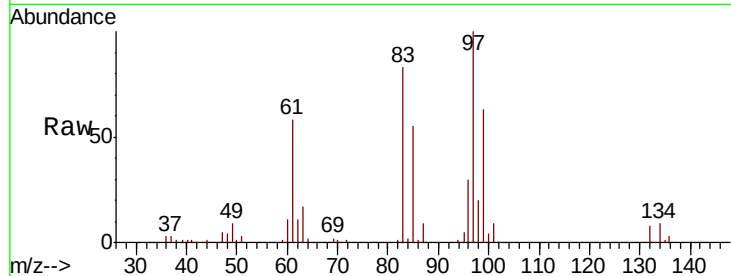




#55
 1,1,2-Trichloroethane
 Concen: 21.060 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

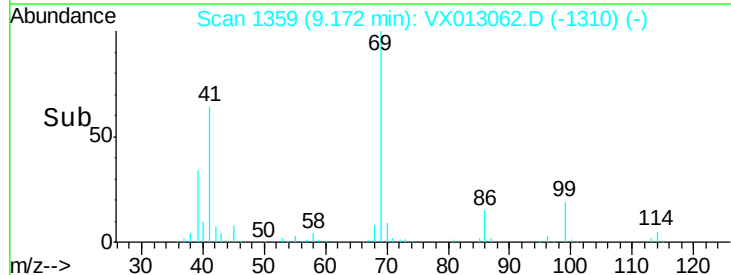
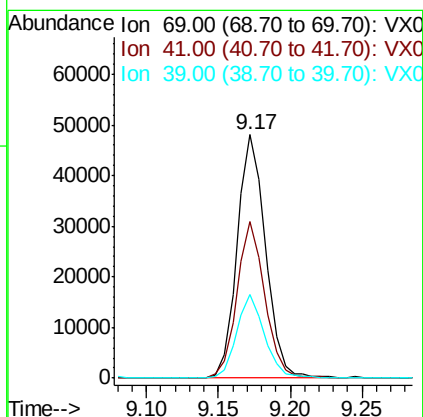
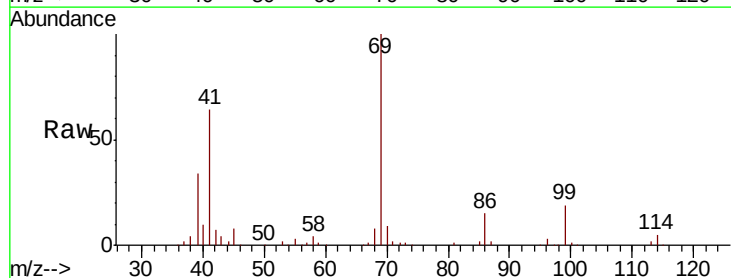
Instrument :
 MSVOA_X
 ClientSampleId :

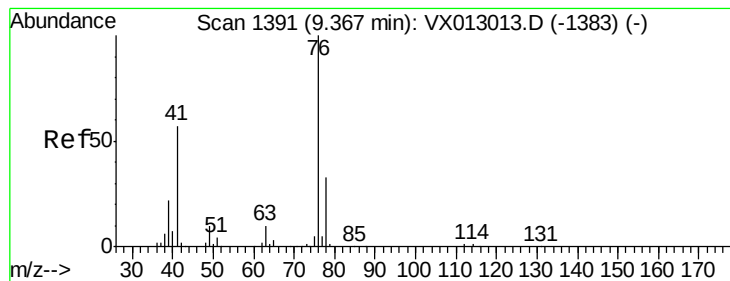
Tot Ion: 97 Resp: 41724
 Ion Ratio Lower Upper
 97 100
 83 83.4 66.5 99.7
 85 54.5 43.1 64.7
 99 63.2 49.2 73.8



#56
 Ethyl methacrylate
 Concen: 19.715 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 69 Resp: 65859
 Ion Ratio Lower Upper
 69 100
 41 63.3 52.1 78.1
 39 34.2 27.8 41.8





#57

1,3-Dichloropropane

Concen: 20.358 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

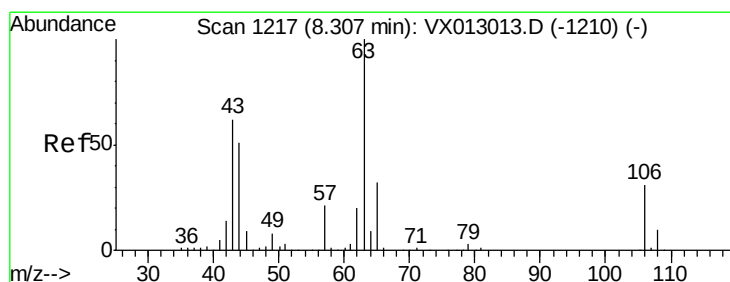
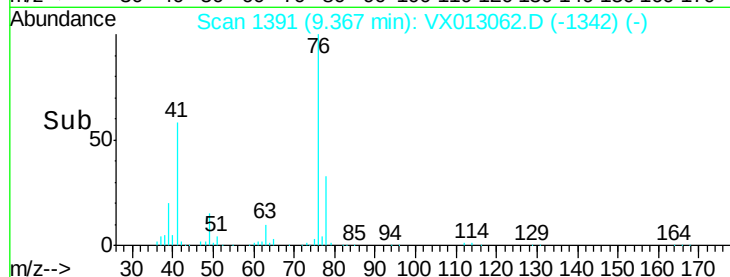
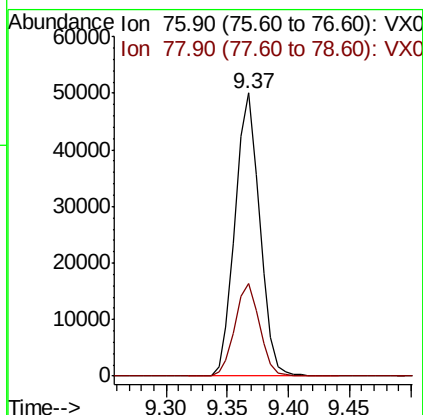
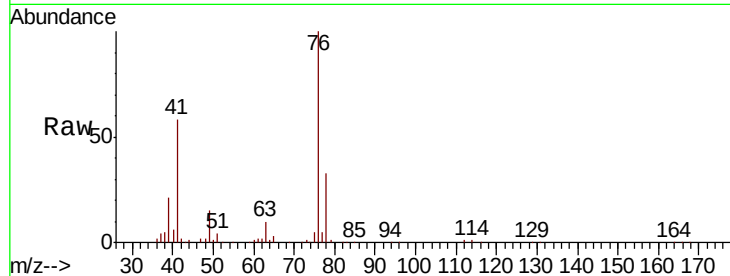
ClientSampled :

Tot Ion: 76 Resp: 69767

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 104.665 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013062.D

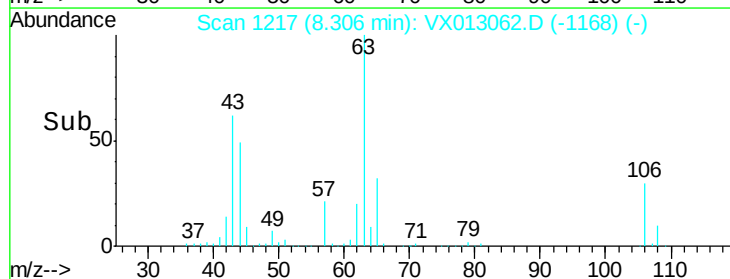
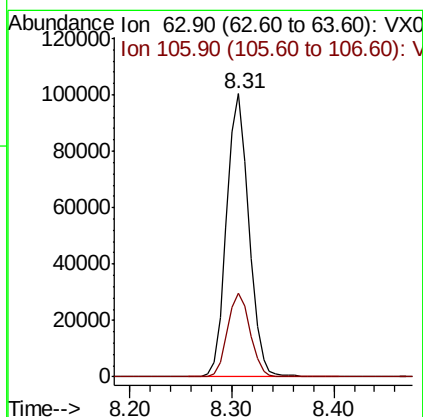
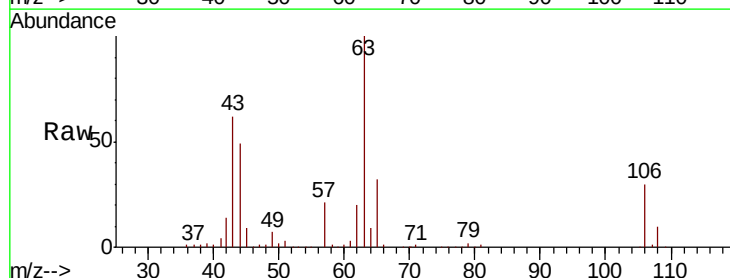
Acq: 14 Oct 2019 19:13

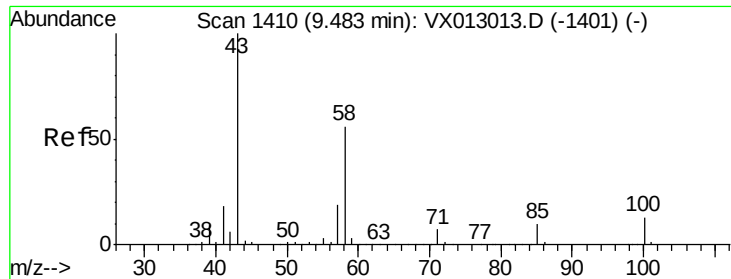
Tgt Ion: 63 Resp: 152331

Ion Ratio Lower Upper

63 100

106 29.9 23.8 35.8

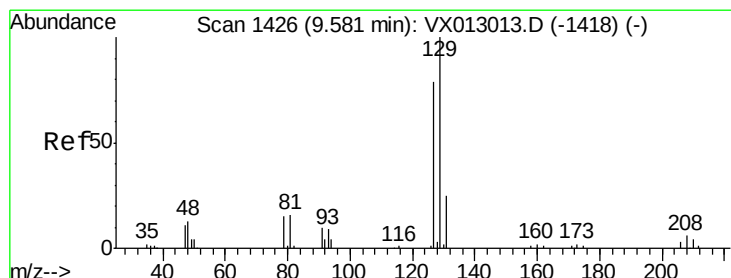
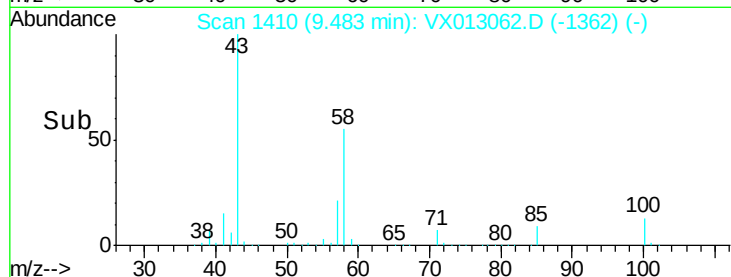
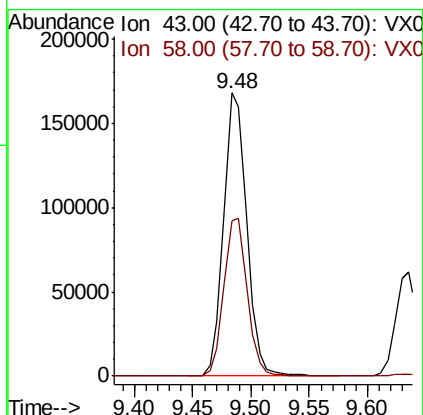
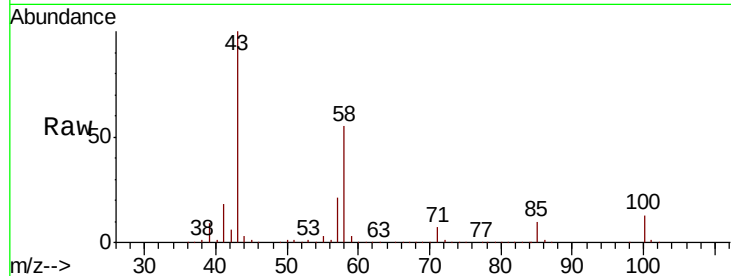




#59
2-Hexanone
Concen: 100.552 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

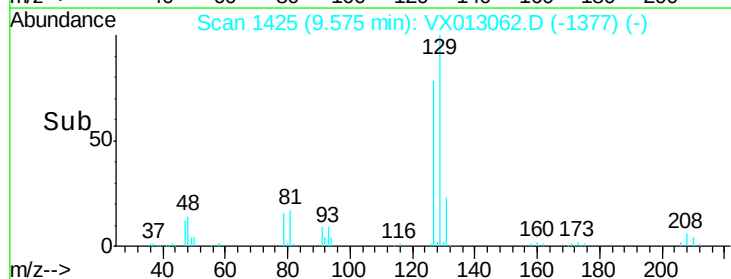
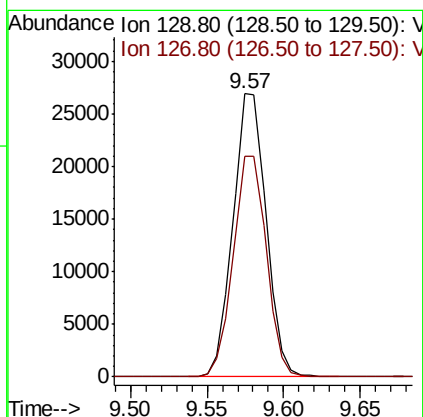
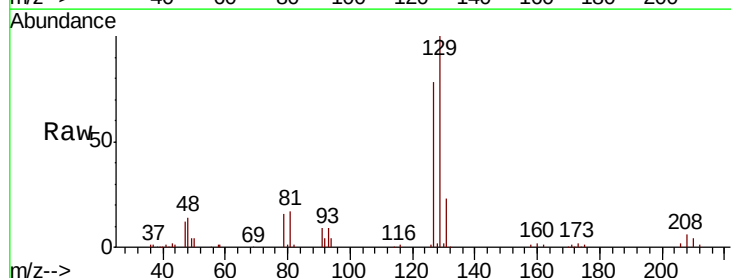
Instrument :
MSVOA_X
ClientSampleId :

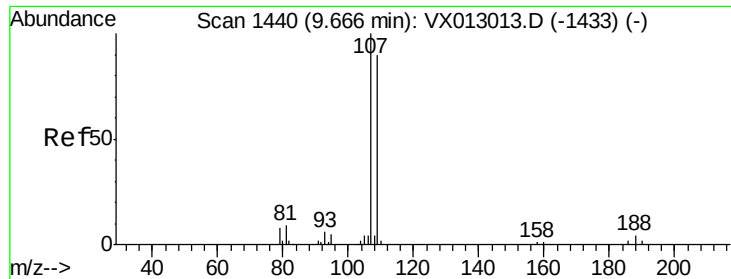
Tot Ion: 43 Resp: 232053
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3



#60
Dibromochloromethane
Concen: 19.541 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 129 Resp: 40493
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.782 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

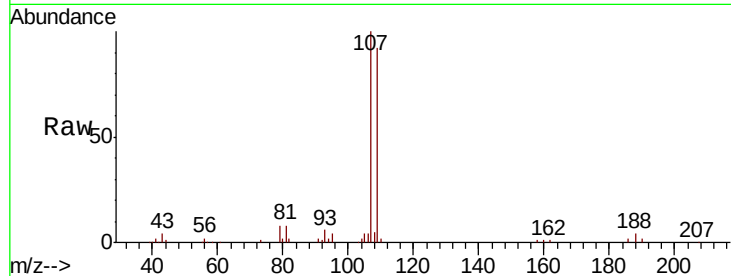
ClientSampleId :

Tot Ion:107 Resp: 43312

Ion Ratio Lower Upper

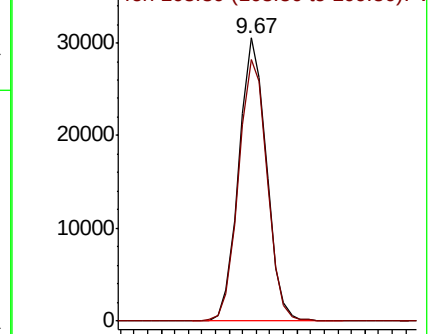
107 100

109 95.2 75.8 113.6

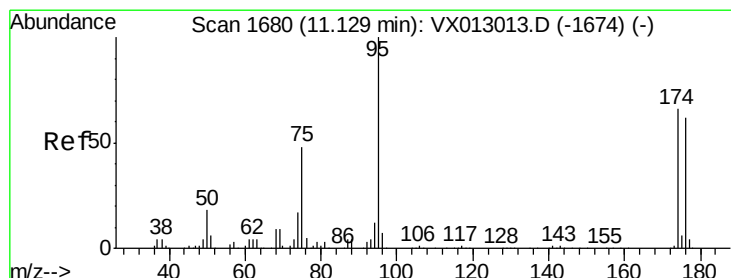
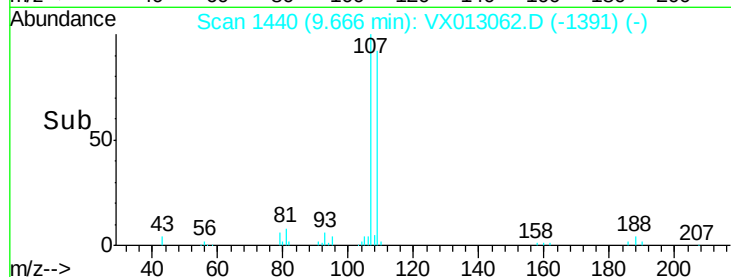


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.840 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

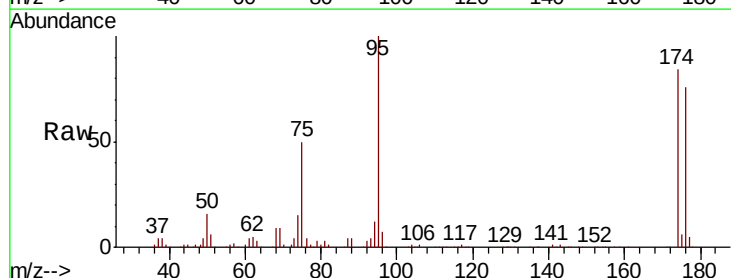
Tgt Ion: 95 Resp: 128015

Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.4

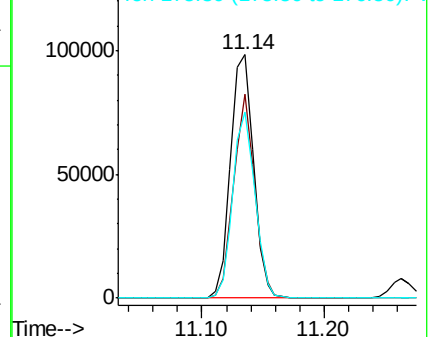
176 73.7 0.0 136.0



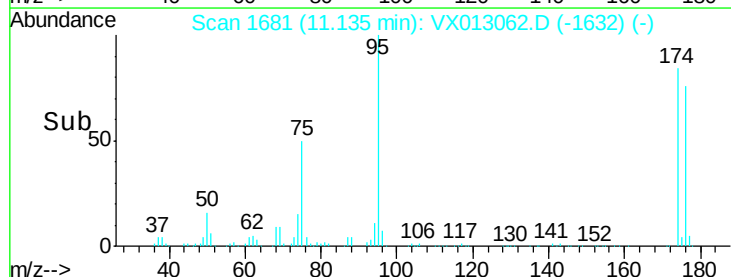
Abundance Ion 94.90 (94.60 to 95.60): VX0

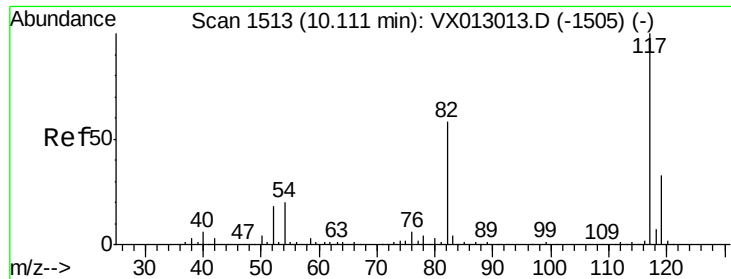
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

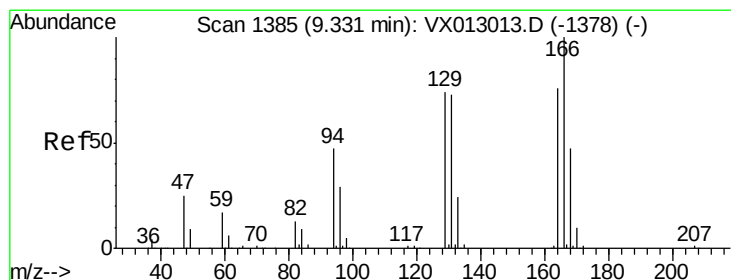
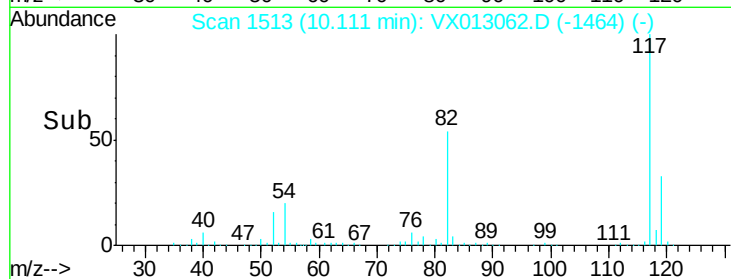
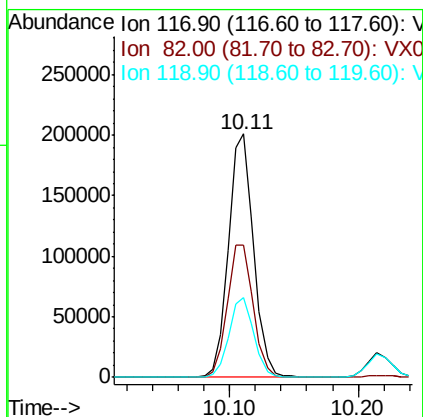
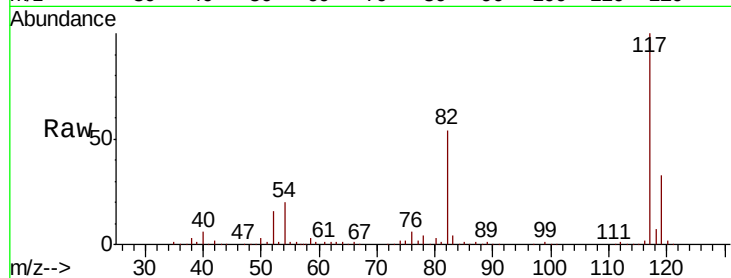




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

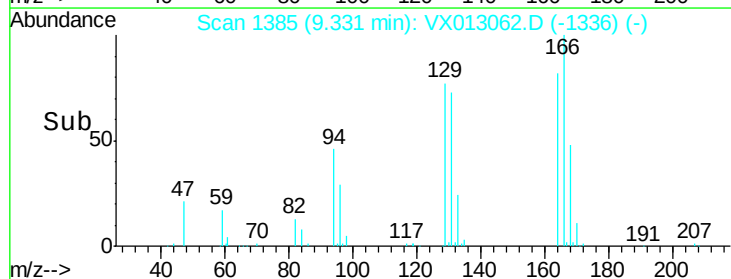
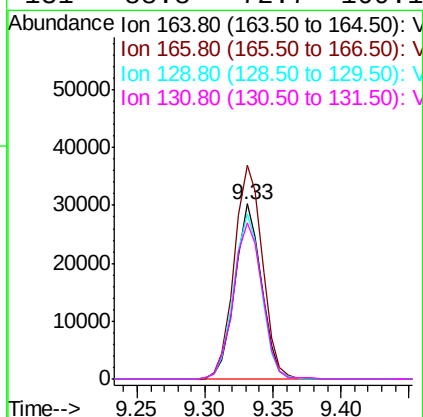
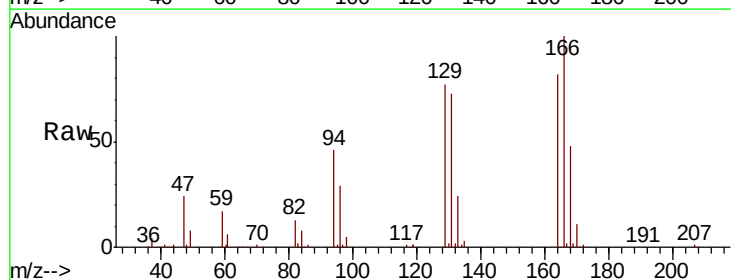
Instrument :
MSVOA_X
ClientSampled :

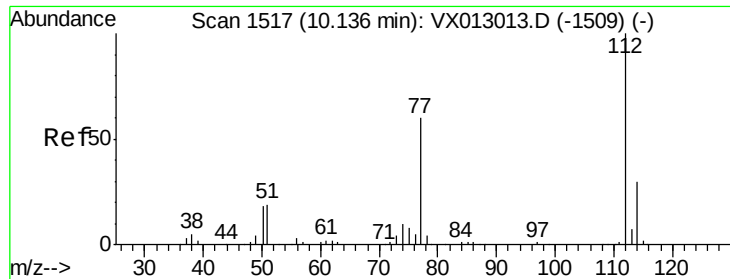
Tot Ion:117 Resp: 274375
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 21.781 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion:164 Resp: 41451
Ion Ratio Lower Upper
164 100
166 122.0 96.9 145.3
129 94.0 77.9 116.9
131 88.8 72.7 109.1

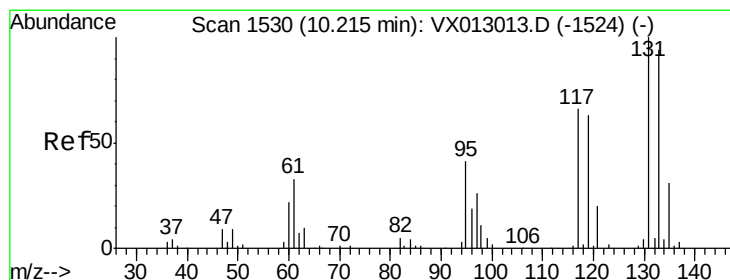
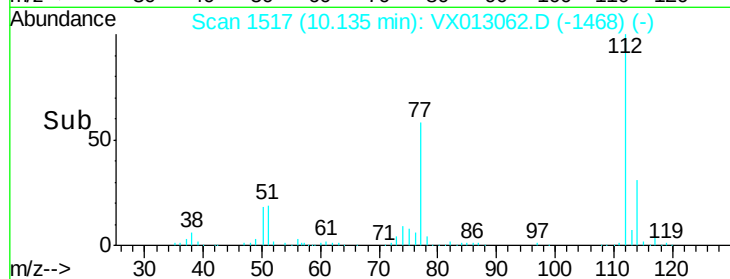
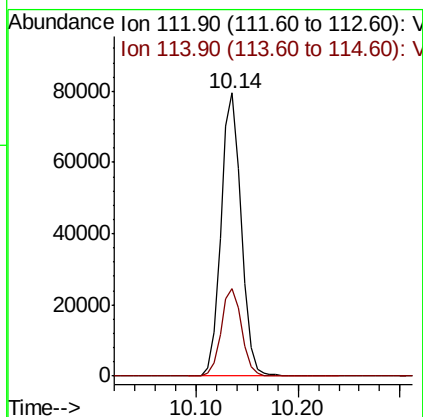
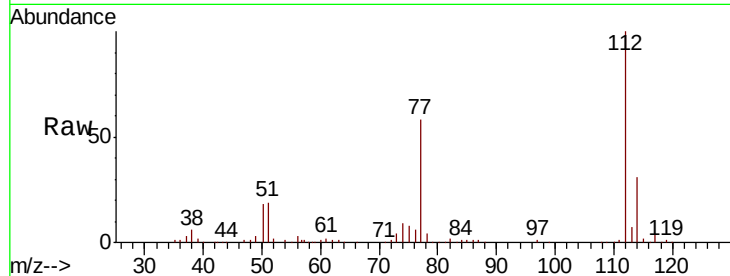




#65
Chlorobenzene
Concen: 20.137 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

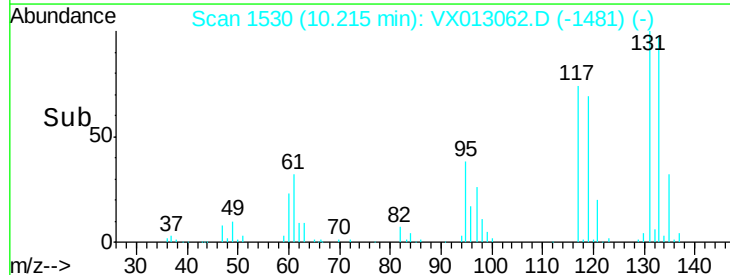
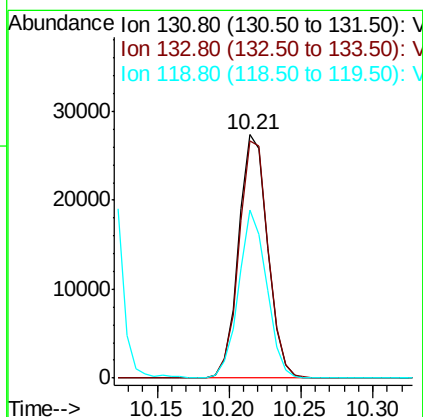
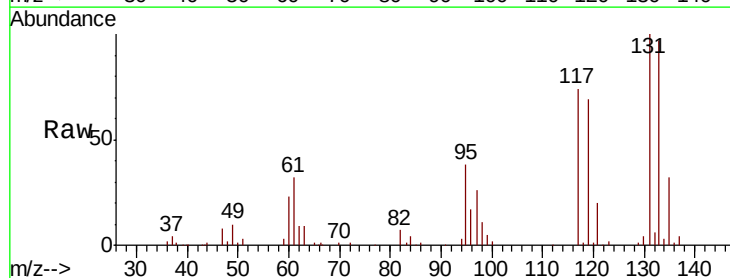
Instrument :
MSVOA_X
ClientSampled :

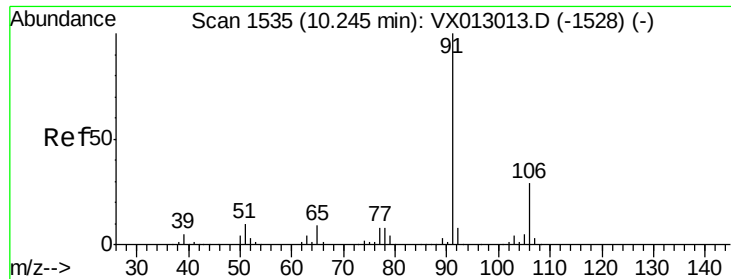
Tot Ion:112 Resp: 109718
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.240 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion:131 Resp: 38236
Ion Ratio Lower Upper
131 100
133 98.2 47.2 141.6
119 66.6 32.6 98.0

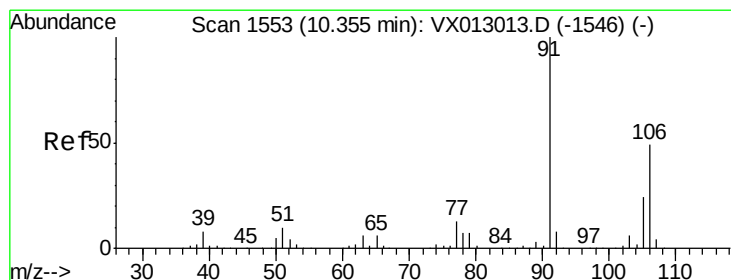
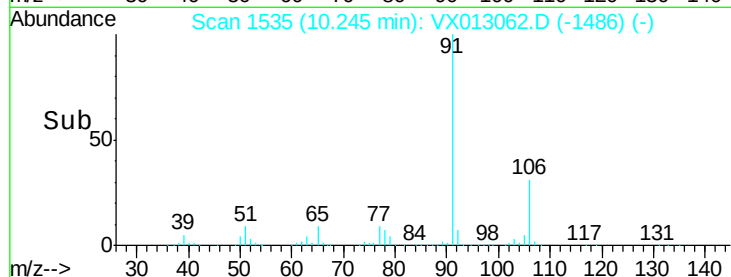
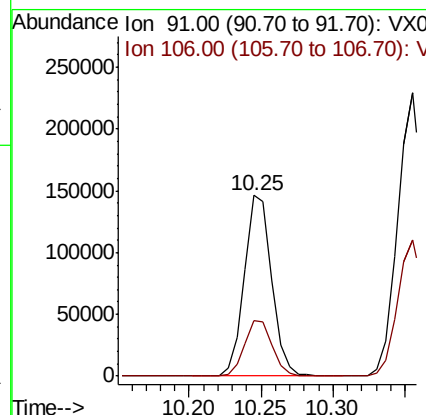
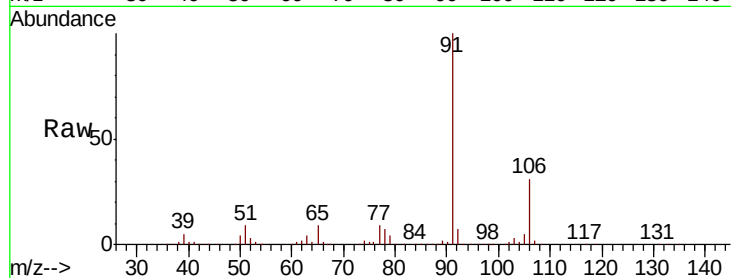




#67
Ethyl Benzene
Concen: 19.941 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

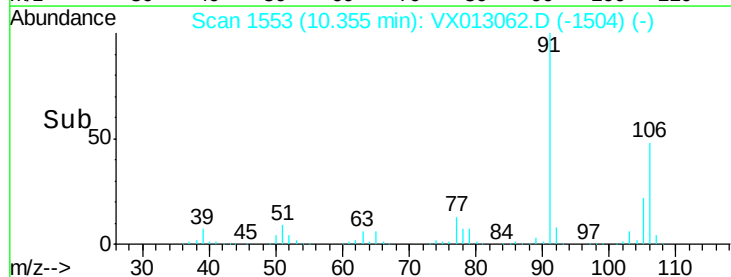
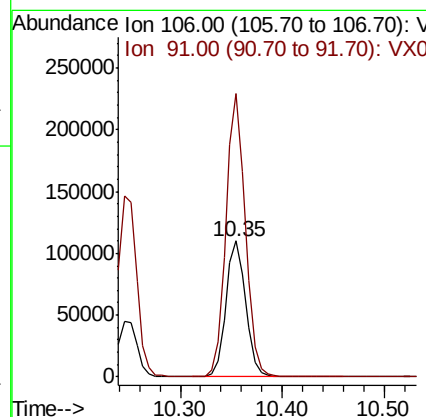
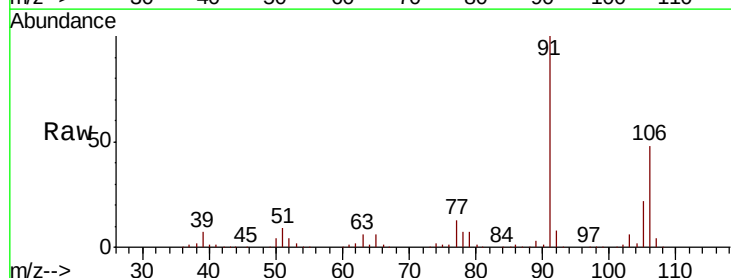
Instrument :
MSVOA_X
ClientSampled :

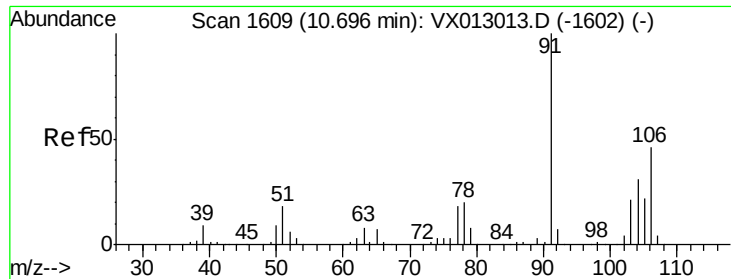
Tot Ion: 91 Resp: 193000
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9



#68
m/p-Xylenes
Concen: 40.870 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 106 Resp: 147771
Ion Ratio Lower Upper
106 100
91 204.8 165.3 247.9

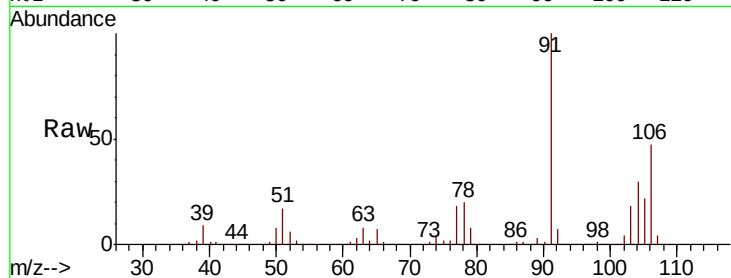




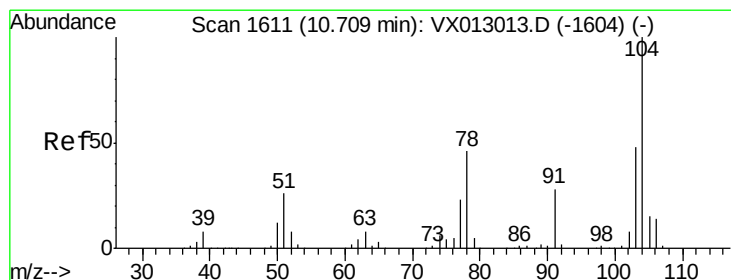
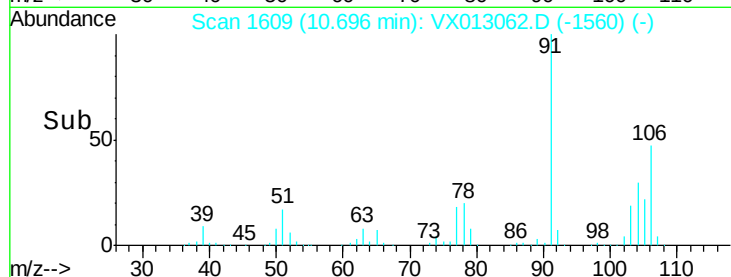
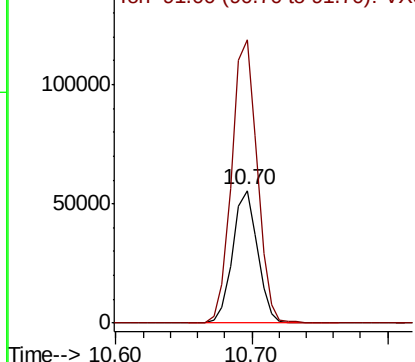
#69
o-Xylene
Concen: 20.241 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 71369
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3

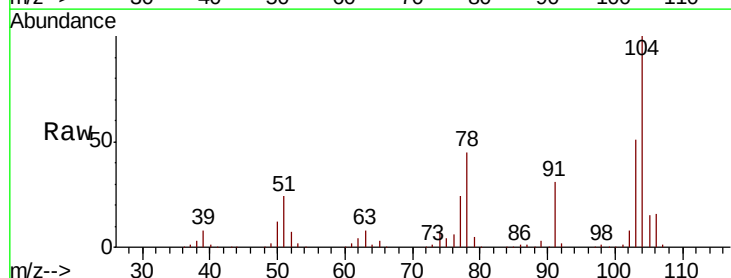


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

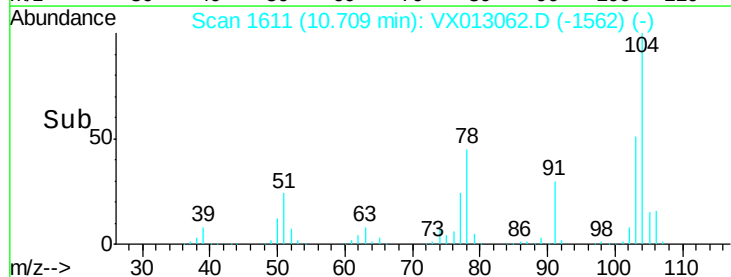
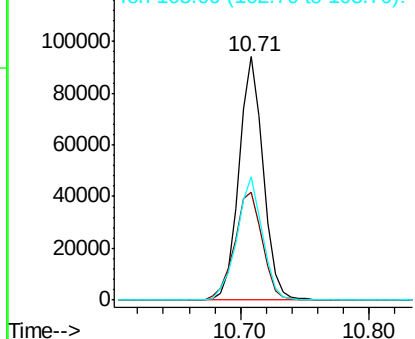


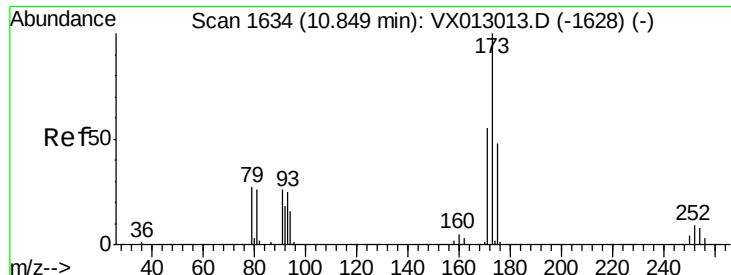
#70
Styrene
Concen: 20.472 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion:104 Resp: 122710
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 53.6 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.925 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampled :

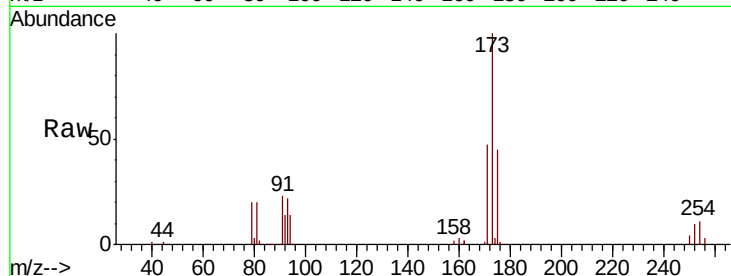
Tot Ion:173 Resp: 27114

Ion Ratio Lower Upper

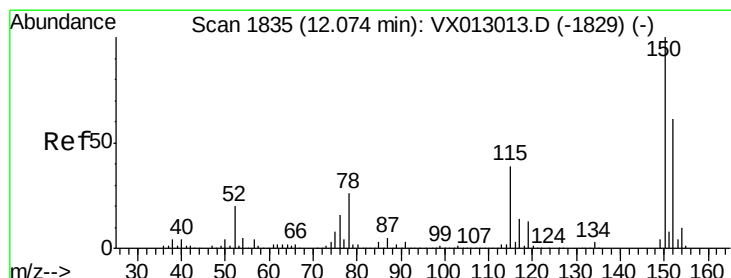
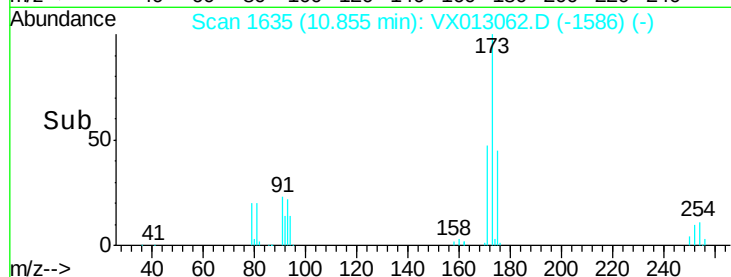
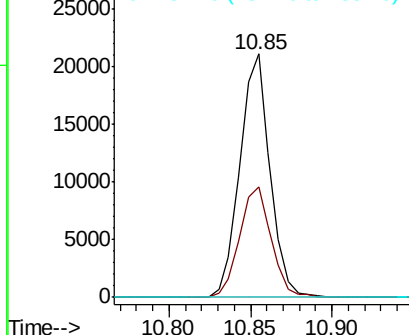
173 100

175 47.7 24.1 72.3

254 0.2 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: VX013062.D

Acq: 14 Oct 2019 19:13

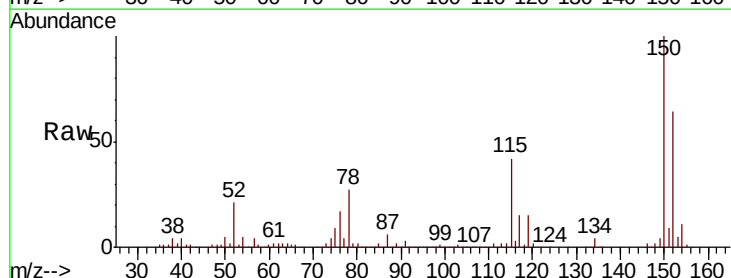
Tgt Ion:152 Resp: 125470

Ion Ratio Lower Upper

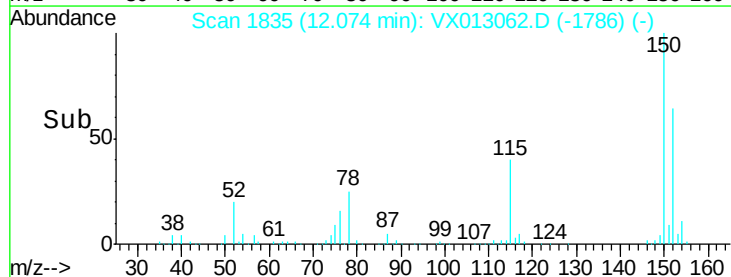
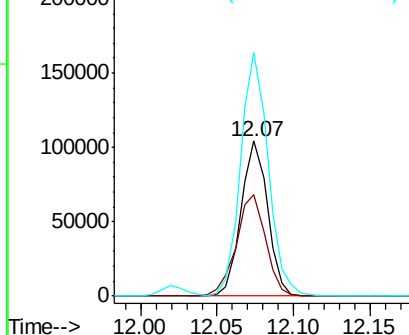
152 100

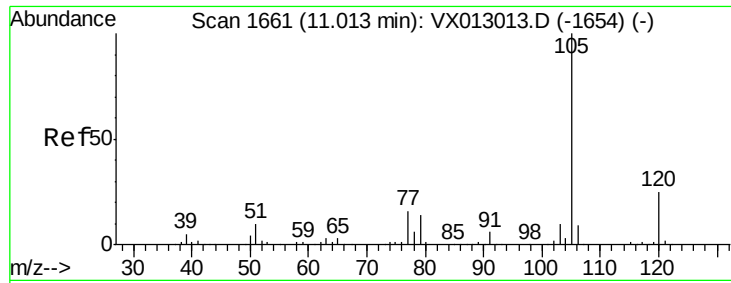
115 72.4 44.5 133.5

150 163.8 0.0 353.4



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

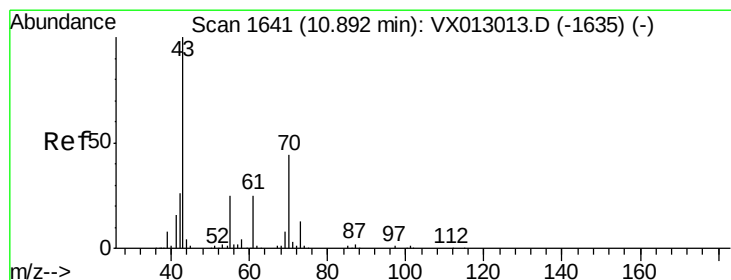
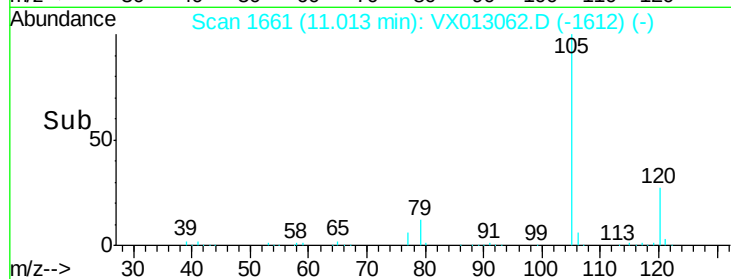
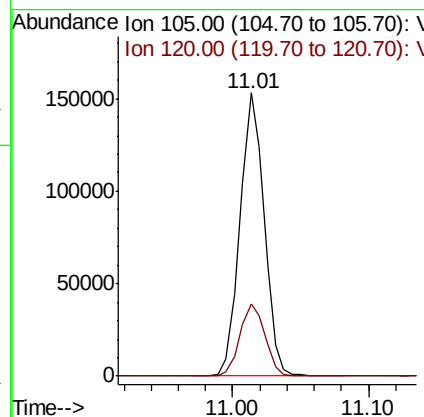
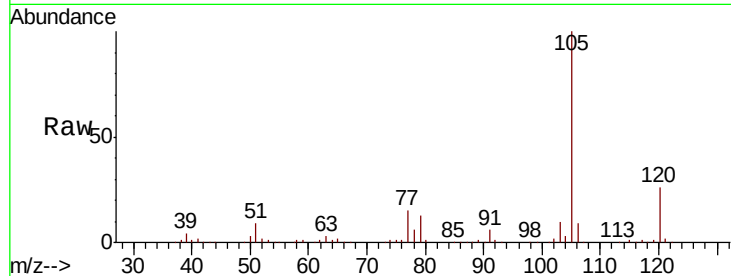




#73
Isopropylbenzene
Concen: 20.530 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

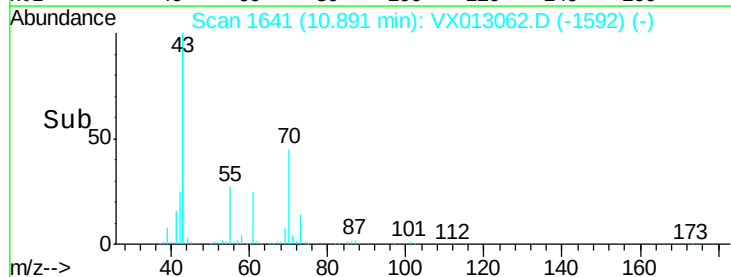
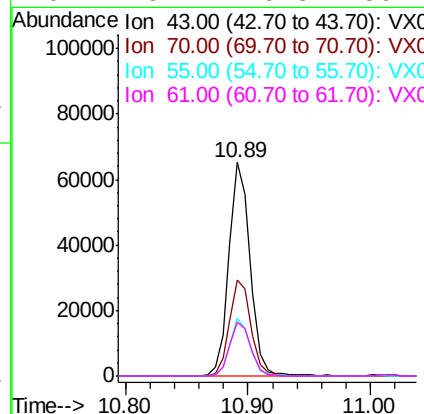
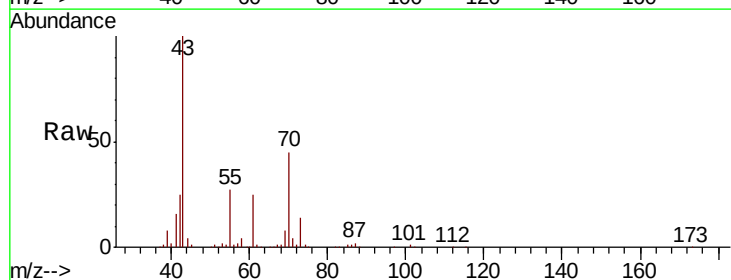
Instrument :
MSVOA_X
ClientSampleId :

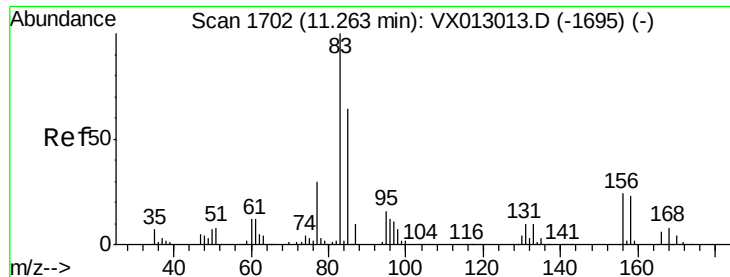
Tot Ion:105 Resp: 189386
Ion Ratio Lower Upper
105 100
120 26.6 13.0 39.0



#74
N-ethyl acetate
Concen: 19.740 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 43 Resp: 78424
Ion Ratio Lower Upper
43 100
70 45.4 36.4 54.6
55 25.8 20.2 30.2
61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.511 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

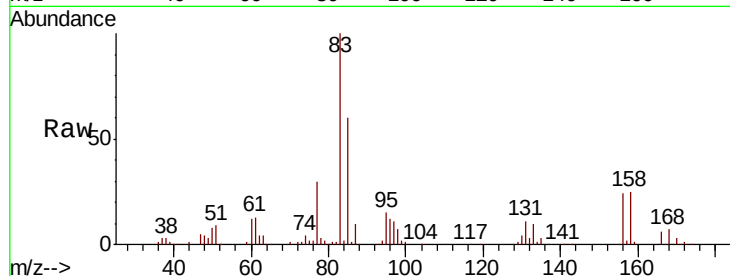
Tot Ion: 83 Resp: 62932

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

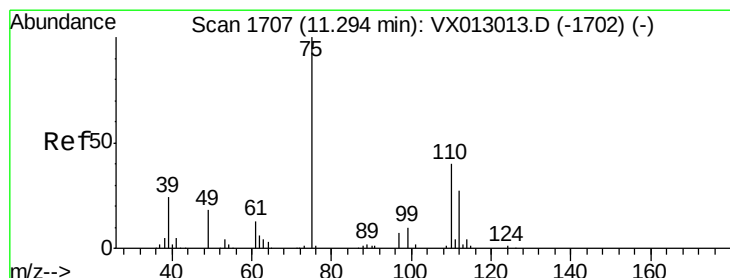
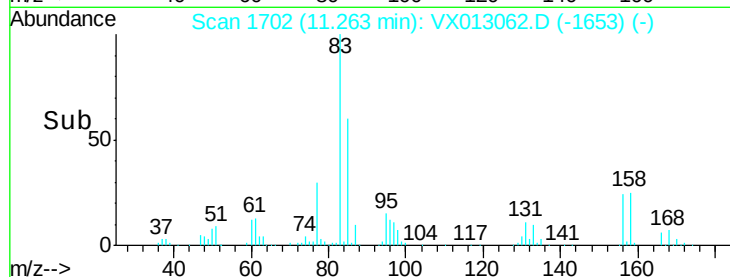
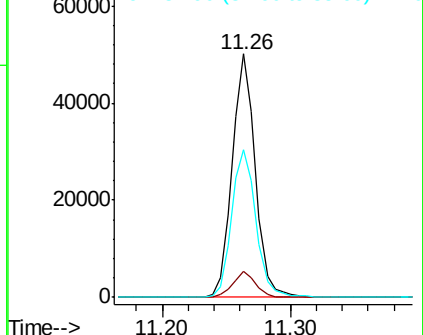
85 63.9 32.1 96.5



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: 25.019 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX013062.D

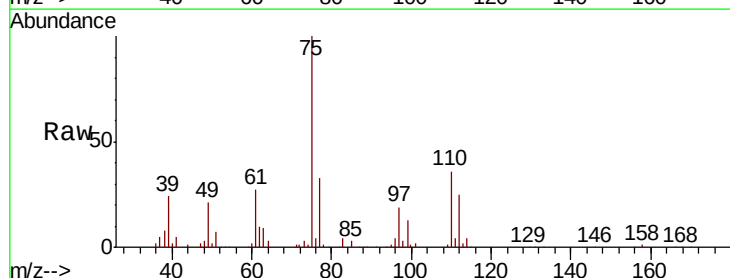
Acq: 14 Oct 2019 19:13

Tgt Ion: 75 Resp: 69627

Ion Ratio Lower Upper

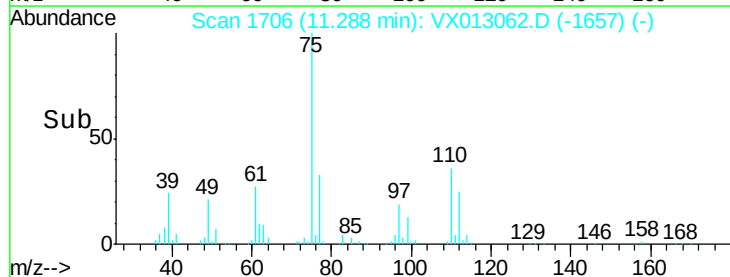
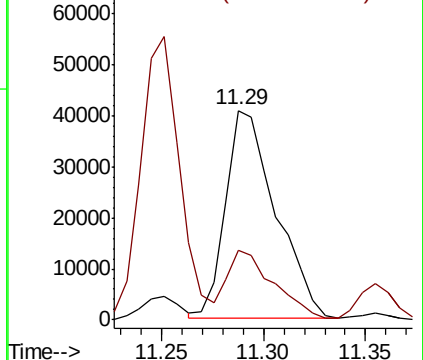
75 100

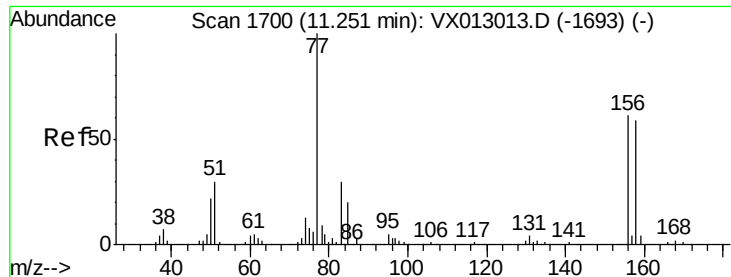
77 31.1 22.9 68.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.074 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

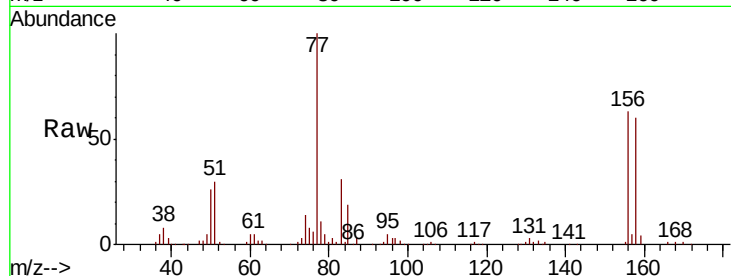
Tot Ion:156 Resp: 45810

Ion Ratio Lower Upper

156 100

77 160.1 83.7 251.0

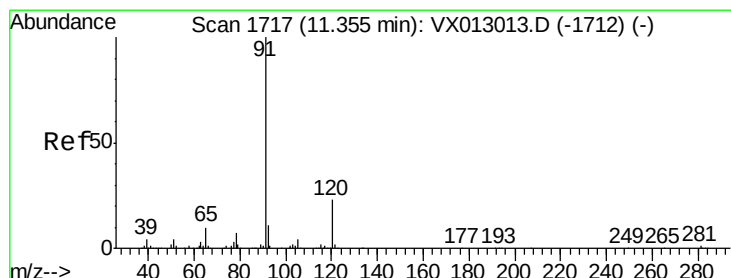
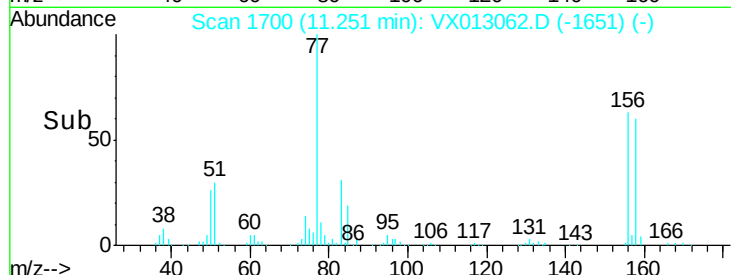
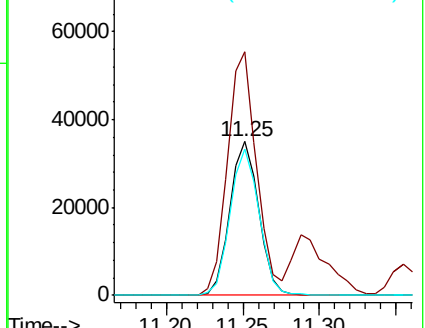
158 95.5 48.6 145.9



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: 20.276 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013062.D

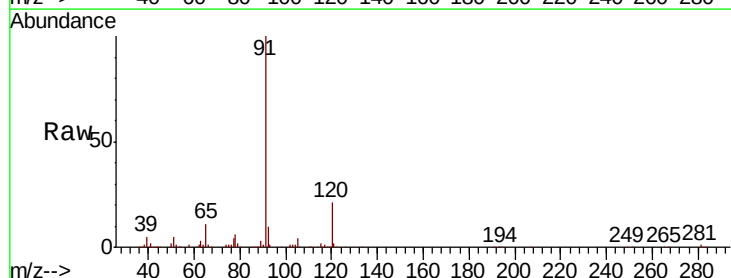
Acq: 14 Oct 2019 19:13

Tgt Ion: 91 Resp: 205812

Ion Ratio Lower Upper

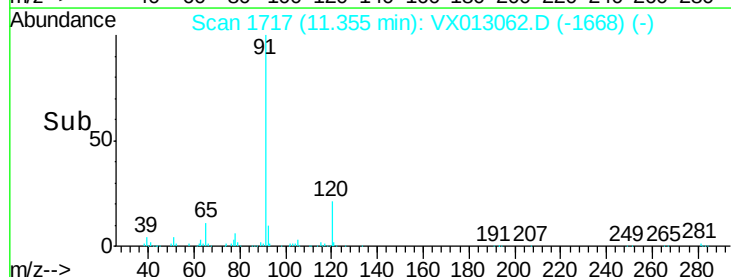
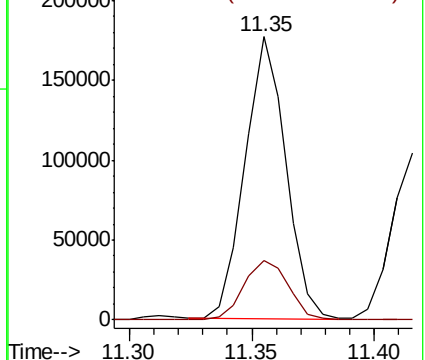
91 100

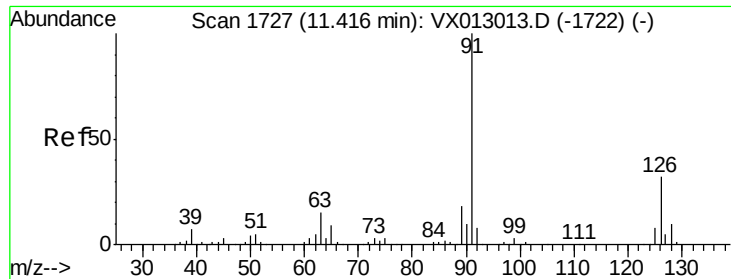
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

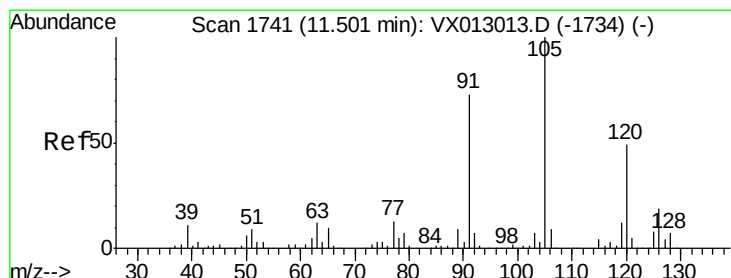
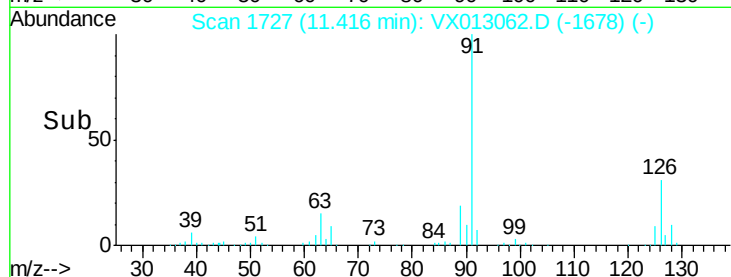
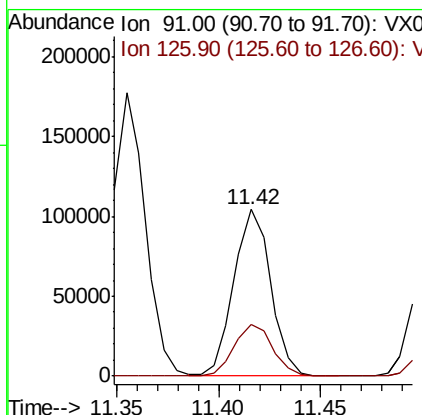
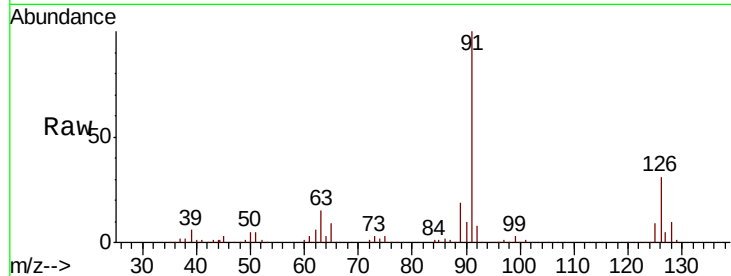




#79
 2-Chlorotoluene
 Concen: 20.448 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

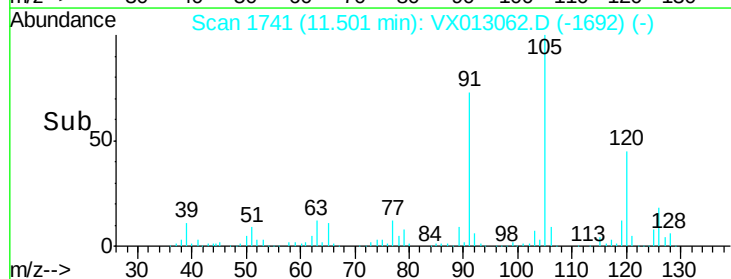
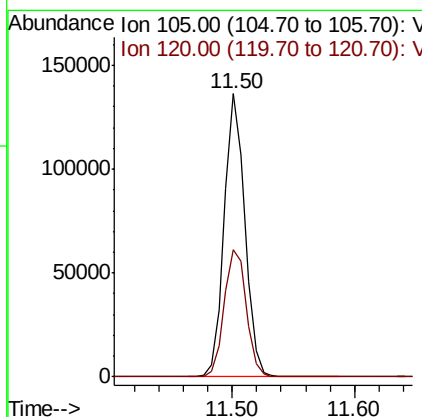
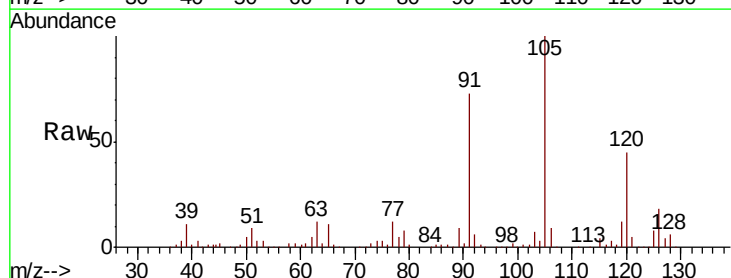
Instrument :
 MSVOA_X
 ClientSampled :

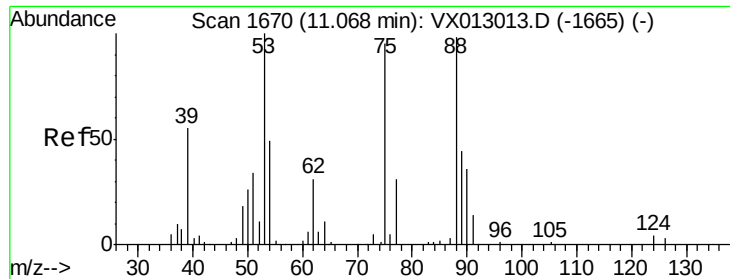
Tot Ion: 91 Resp: 130446
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.686 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion: 105 Resp: 159338
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.278 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

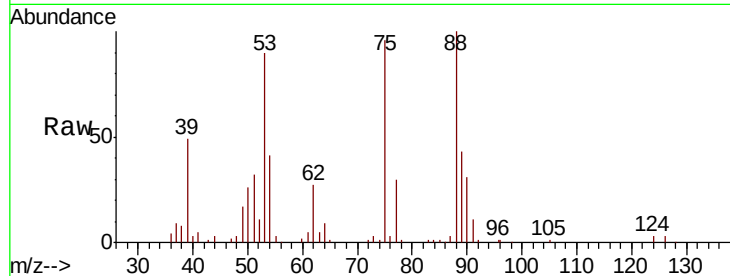
Tot Ion: 75 Resp: 16727

Ion Ratio Lower Upper

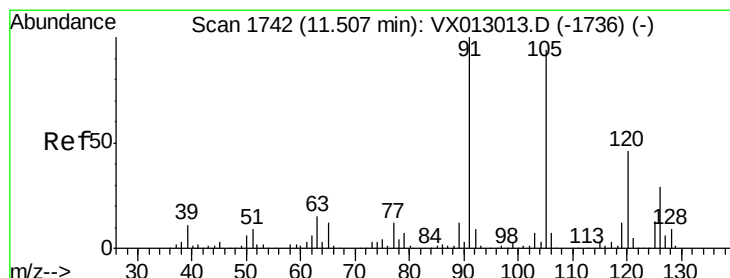
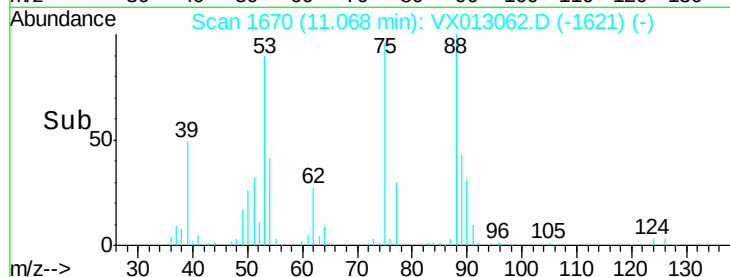
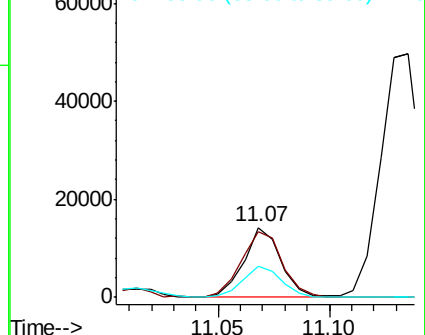
75 100

53 103.7 78.5 117.7

89 46.2 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.174 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013062.D

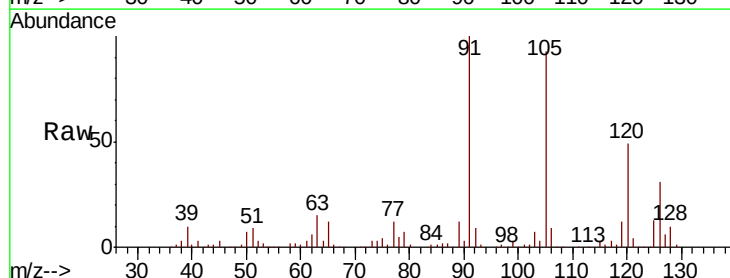
Acq: 14 Oct 2019 19:13

Tgt Ion: 91 Resp: 147511

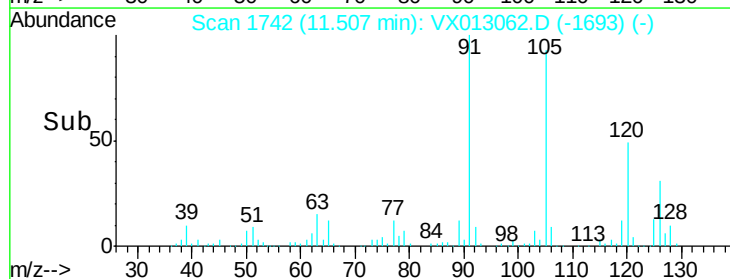
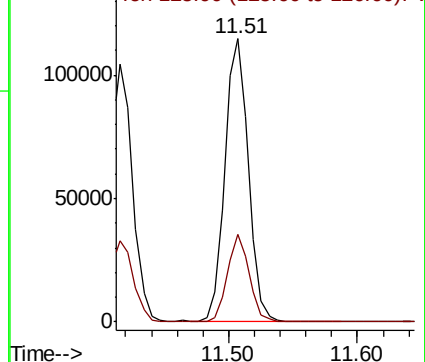
Ion Ratio Lower Upper

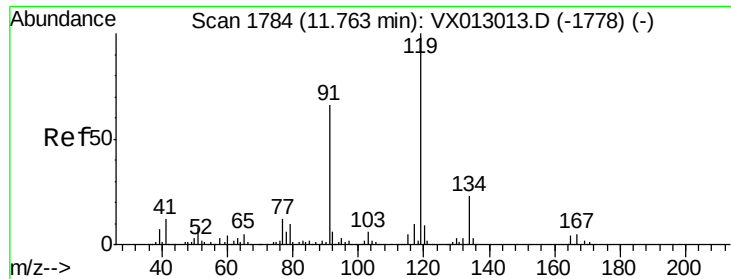
91 100

126 28.8 14.2 42.6



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

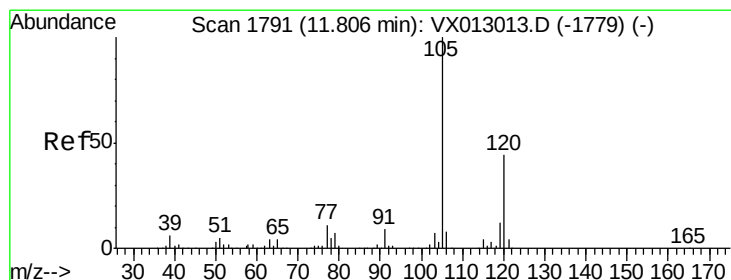
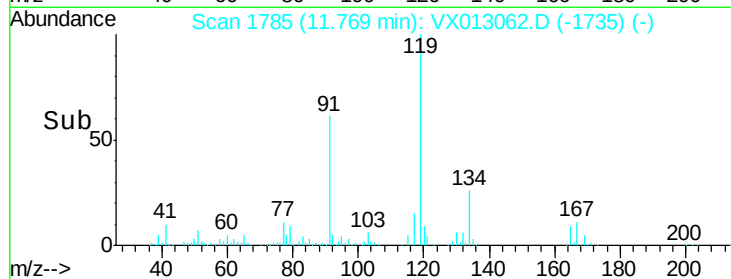
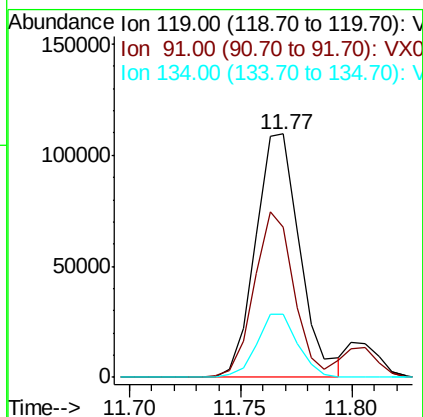
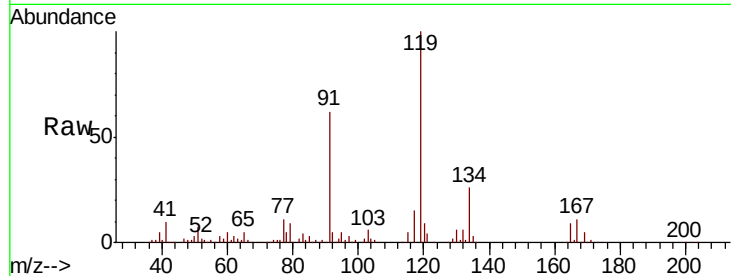




#83
 tert-Butylbenzene
 Concen: 20.224 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

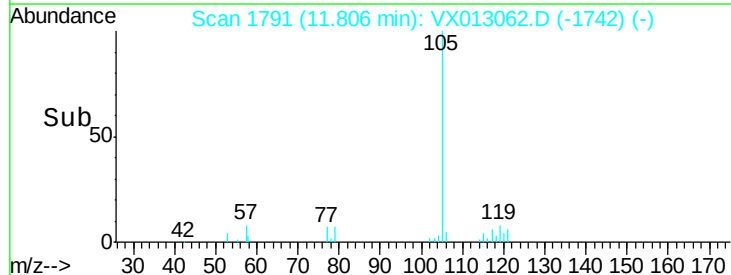
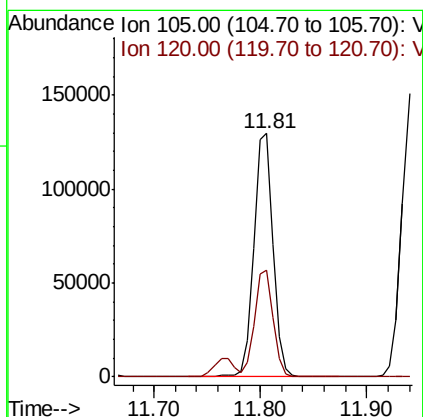
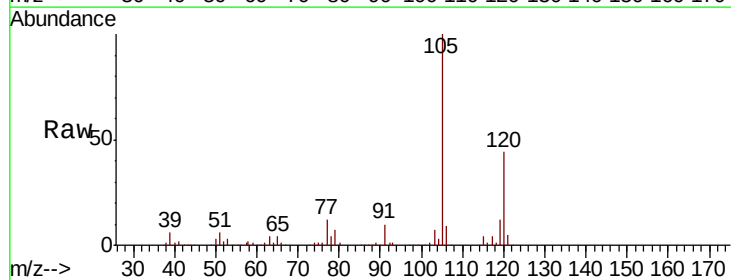
Instrument :
 MSVOA_X
 ClientSampled :

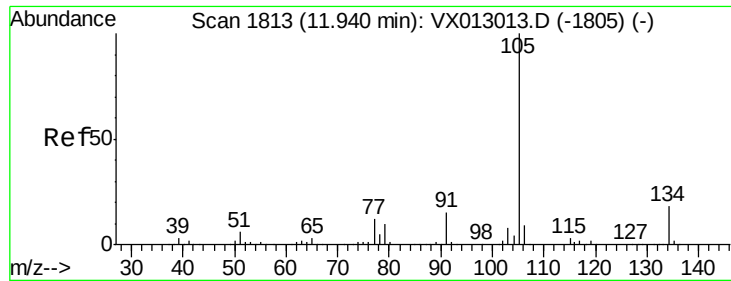
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	29.3	87.9
134	23.9	11.5	34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.066 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.8	65.3





#85

sec-Butylbenzene

Concen: 20.532 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

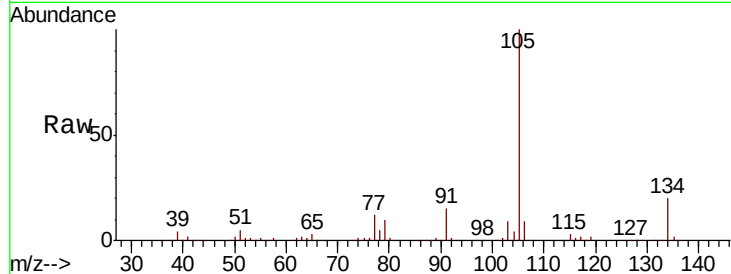
ClientSampleId :

Tot Ion:105 Resp: 178734

Ion Ratio Lower Upper

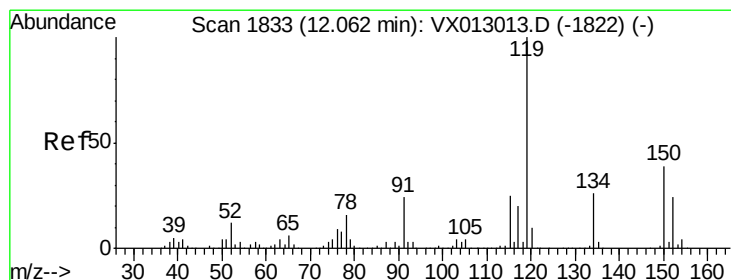
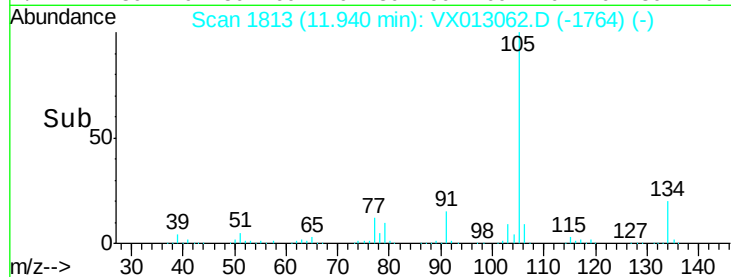
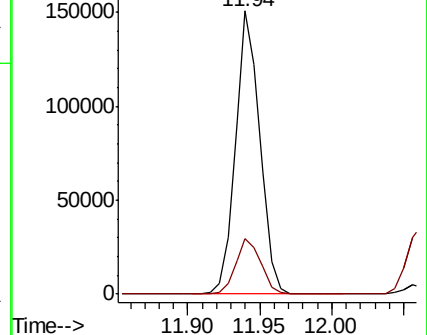
105 100

134 20.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.066 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

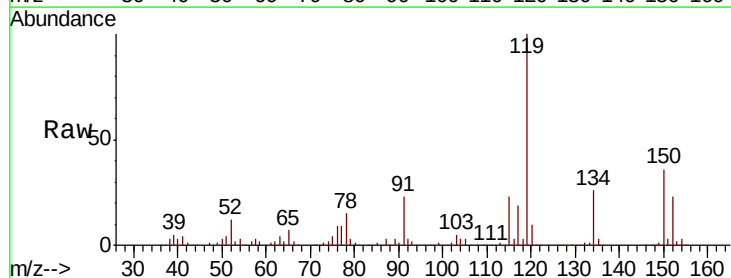
Tgt Ion:119 Resp: 162001

Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

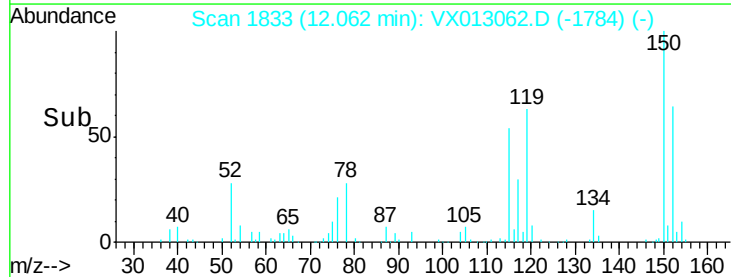
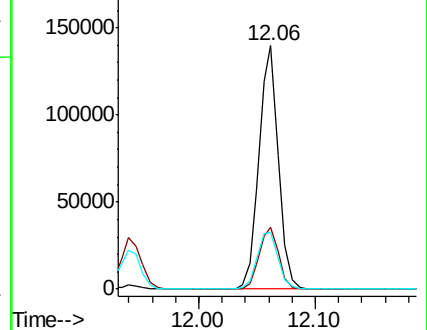
91 25.5 12.4 37.4

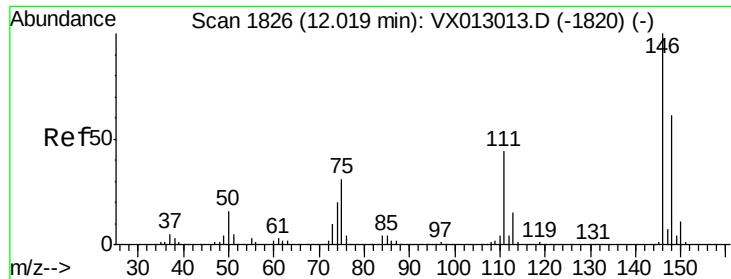


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

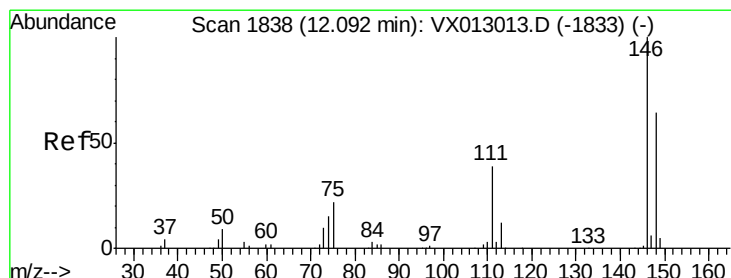
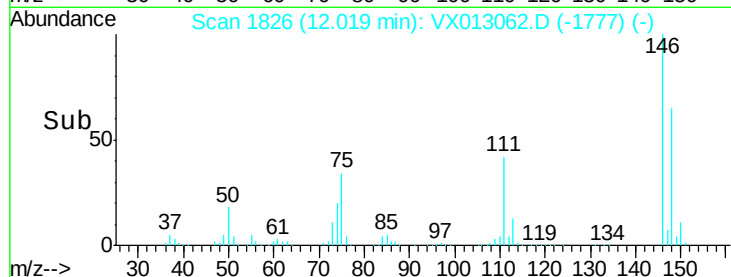
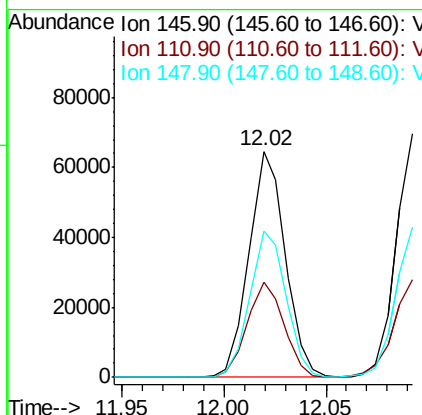
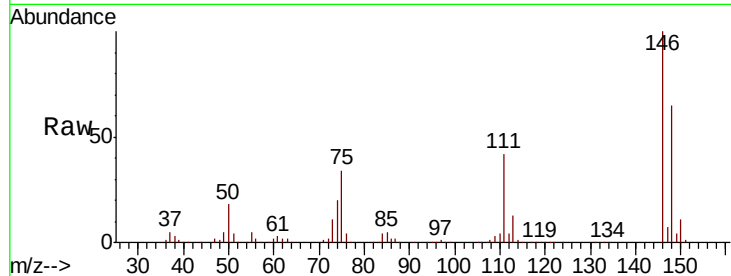




#87
 1,3-Dichlorobenzene
 Concen: 19.831 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

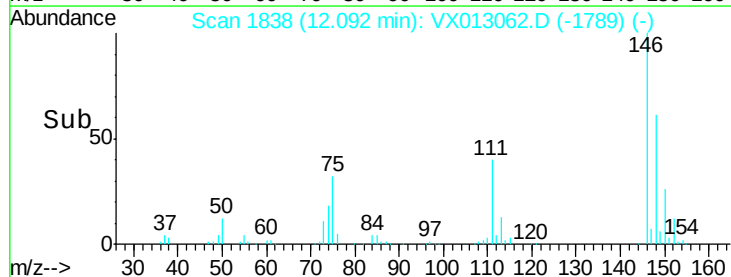
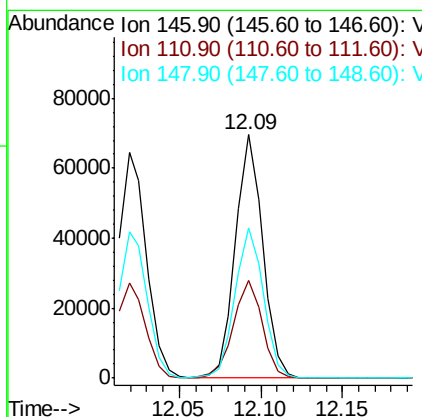
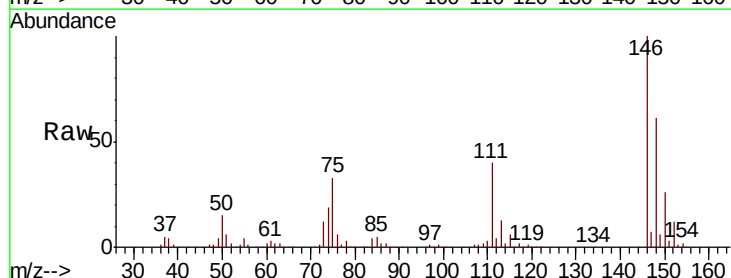
Instrument :
 MSVOA_X
 ClientSampled :

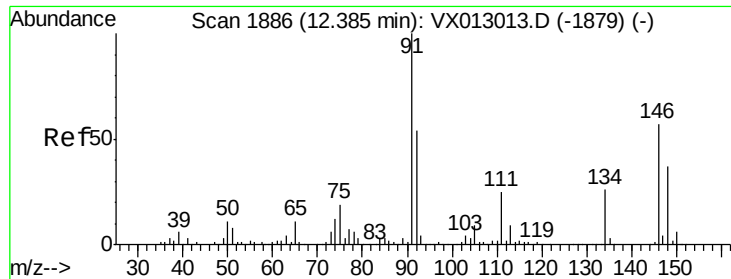
Tot Ion:146 Resp: 80051
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.4
 148 65.0 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 19.879 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion:146 Resp: 81271
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.4 64.3
 148 64.1 32.1 96.5

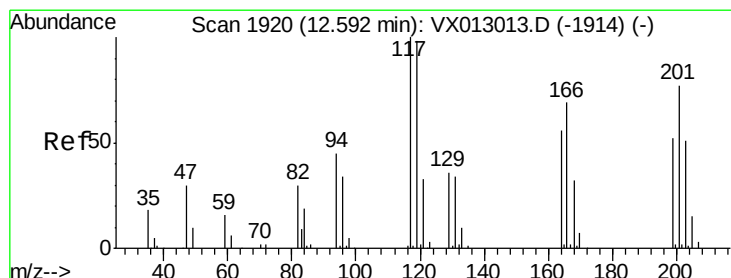
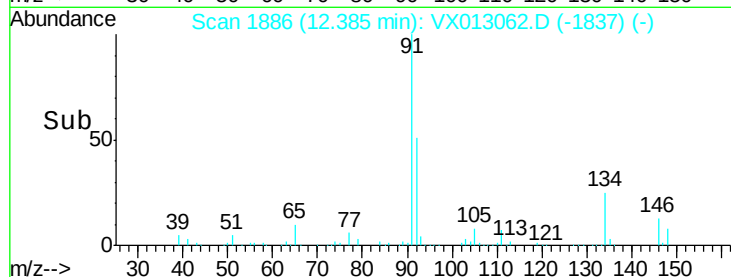
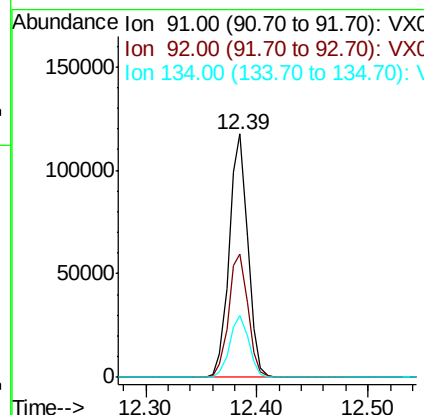
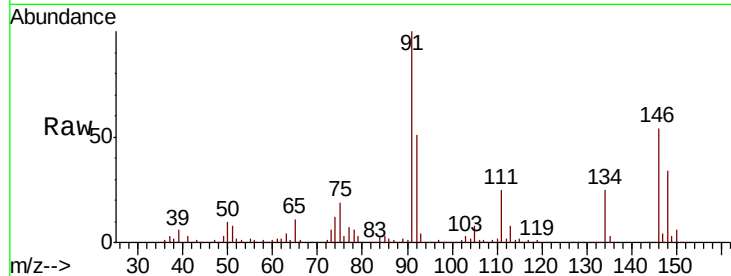




#89
n-Butylbenzene
Concen: 20.041 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

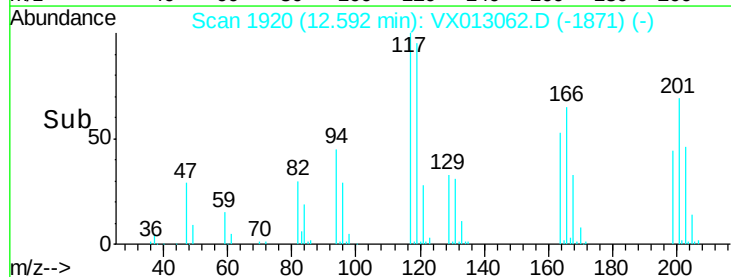
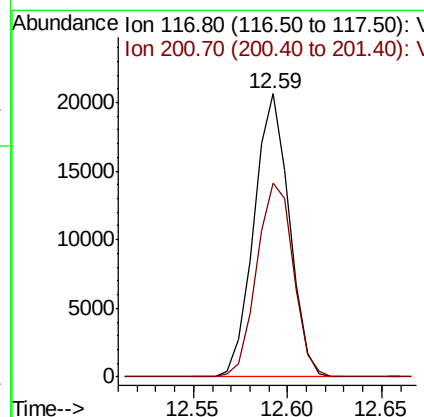
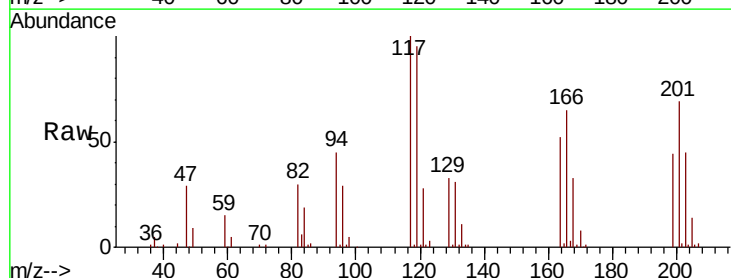
Instrument :
MSVOA_X
ClientSampleId :

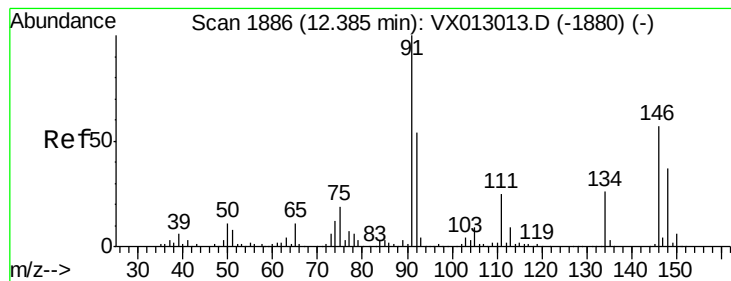
Tot Ion: 91 Resp: 135991
Ion Ratio Lower Upper
91 100
92 52.5 27.5 82.5
134 26.0 12.9 38.7



#90
Hexachloroethane
Concen: 19.229 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion: 117 Resp: 26718
Ion Ratio Lower Upper
117 100
201 71.5 36.9 110.7





#91

1,2-Dichlorobenzene

Concen: 20.473 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

Instrument :

MSVOA_X

ClientSampleId :

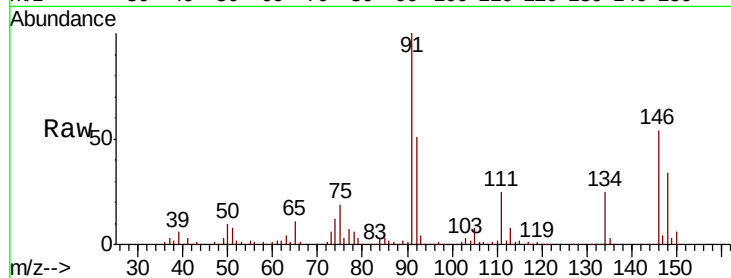
Tot Ion:146 Resp: 81022

Ion Ratio Lower Upper

146 100

111 43.6 22.7 68.0

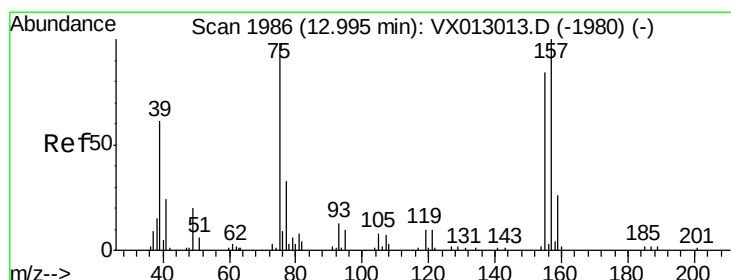
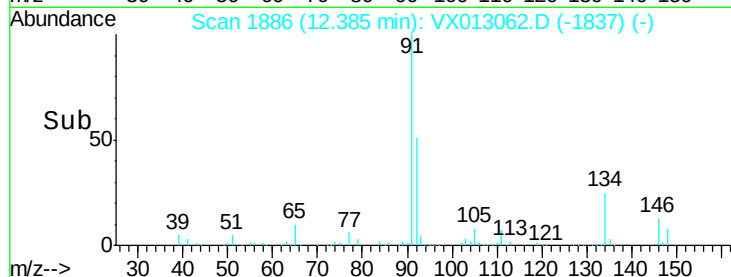
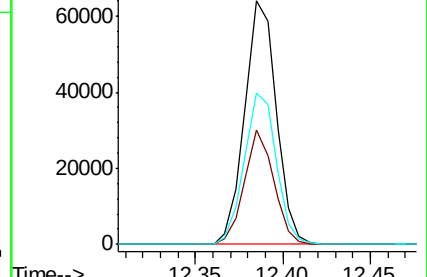
148 63.1 31.6 94.7



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: 18.845 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013062.D

Acq: 14 Oct 2019 19:13

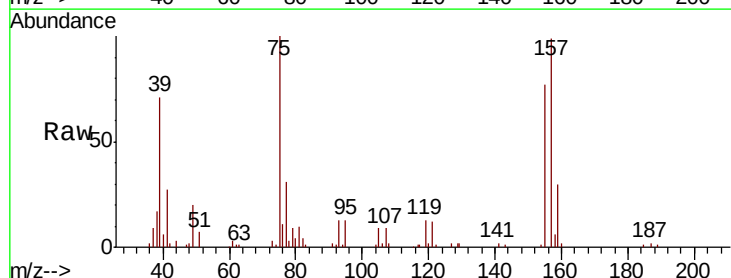
Tgt Ion: 75 Resp: 13552

Ion Ratio Lower Upper

75 100

155 82.4 43.0 128.8

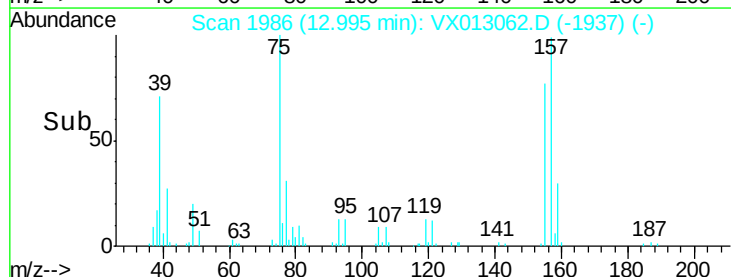
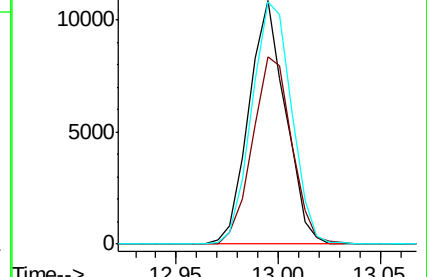
157 108.1 54.1 162.3

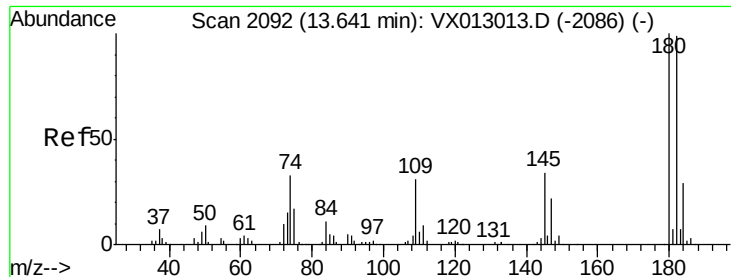


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

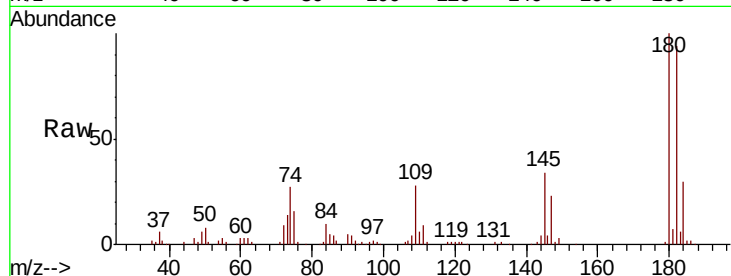




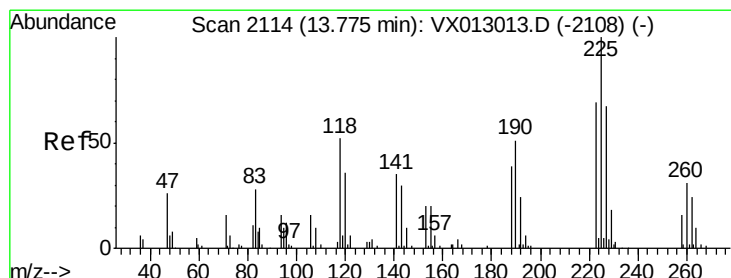
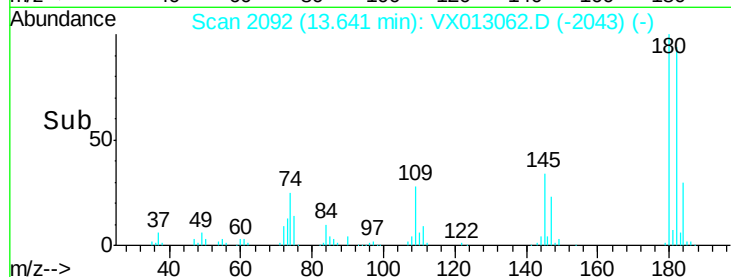
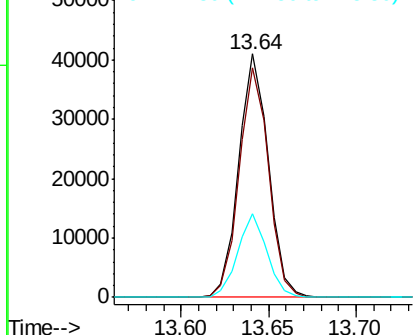
#93
 1,2,4-Trichlorobenzene
 Concen: 19.413 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 48127
 Ion Ratio Lower Upper
 180 100
 182 93.6 46.8 140.4
 145 33.9 16.2 48.6

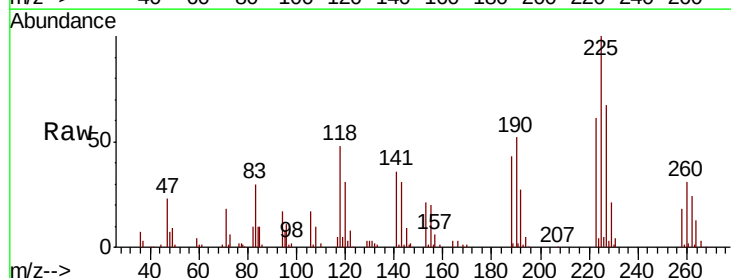


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

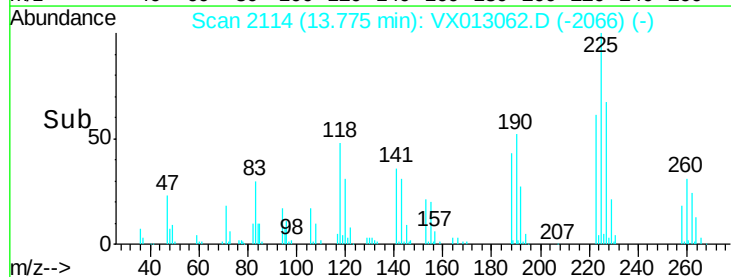
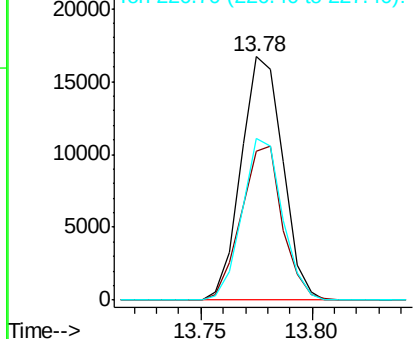


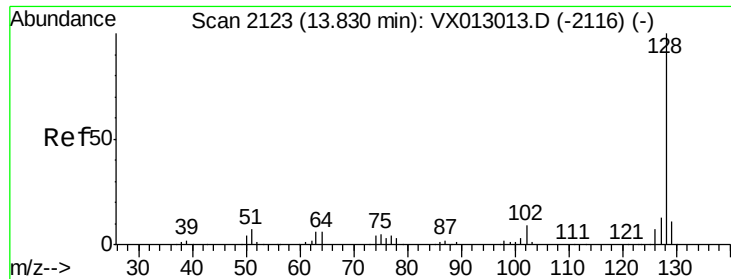
#94
 Hexachlorobutadiene
 Concen: 19.054 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013062.D
 Acq: 14 Oct 2019 19:13

Tgt Ion:225 Resp: 21799
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

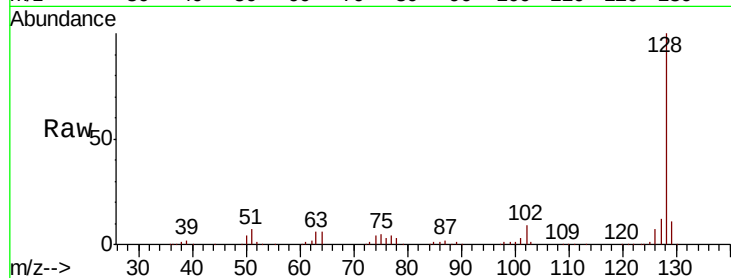




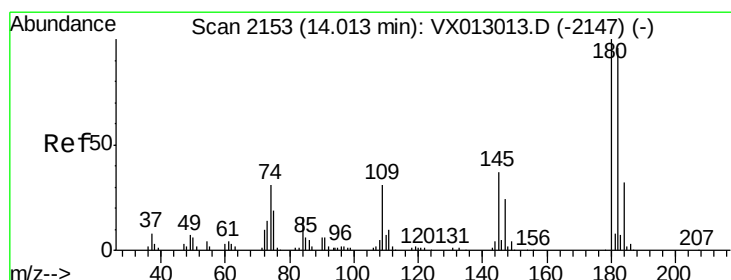
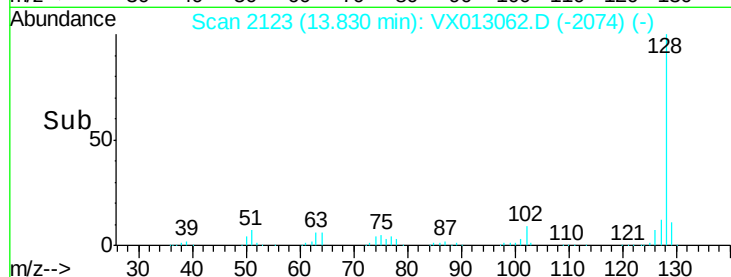
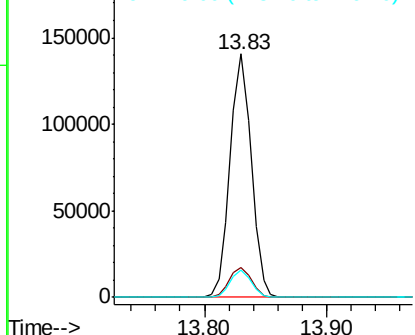
#95
Naphthalene
Concen: 19.661 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 168961
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.8 13.2

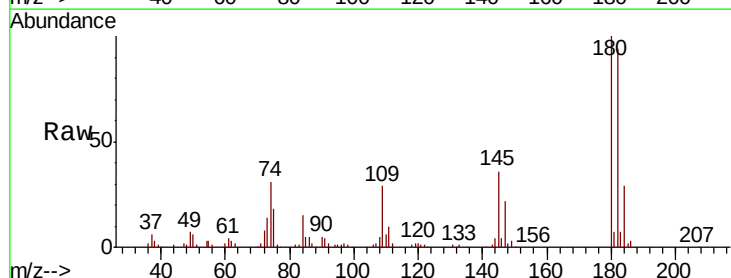


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013062.D
Acq: 14 Oct 2019 19:13

Tgt Ion:180 Resp: 50325
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.5
145 35.0 17.4 52.3



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

