

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010820\
 Data File : VX0144462.D
 Acq On : 08 Jan 2020 11:32
 Operator : JC/SP
 Sample : VX0108WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 12:02:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	593949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	880565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	401580	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	325809	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	5.48	113	266721	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.71	98	1071191	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	377018	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	156342	21.347	ug/l	98
3) Chloromethane	1.32	50	156514	20.673	ug/l	100
4) Vinyl Chloride	1.40	62	180857	21.437	ug/l	96
5) Bromomethane	1.63	94	103729	18.549	ug/l	99
6) Chloroethane	1.72	64	98769	20.731	ug/l	99
7) Trichlorofluoromethane	1.92	101	197673	20.655	ug/l	96
8) Diethyl Ether	2.18	74	85046	19.479	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	120032	20.616	ug/l	98
10) Methyl Iodide	2.50	142	120680	17.310	ug/l	99
11) Tert butyl alcohol	3.03	59	140354	101.380	ug/l	100
12) 1,1-Dichloroethene	2.37	96	116819	19.914	ug/l	98
13) Acrolein	2.28	56	83005	74.802	ug/l	96
14) Allyl chloride	2.72	41	204049	19.812	ug/l	99
15) Acrylonitrile	3.13	53	333115	99.694	ug/l	99
16) Acetone	2.43	43	345781	101.527	ug/l	100
17) Carbon Disulfide	2.56	76	314035	19.186	ug/l	99
18) Methyl Acetate	2.76	43	200667	21.057	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	382649	20.320	ug/l	97
20) Methylene Chloride	2.85	84	129541	19.421	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	124949	19.511	ug/l	98
22) Diisopropyl ether	3.84	45	411386	20.669	ug/l	94
23) Vinyl Acetate	3.80	43	1595350	103.531	ug/l	100
24) 1,1-Dichloroethane	3.69	63	221639	20.471	ug/l	98
25) 2-Butanone	4.65	43	493985	99.738	ug/l	99
26) 2,2-Dichloropropane	4.57	77	184131	20.075	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	140883	19.679	ug/l	99
28) Bromochloromethane	5.00	49	95679	20.972	ug/l	96
29) Tetrahydrofuran	5.11	42	299343	102.224	ug/l	99
30) Chloroform	5.20	83	214568	20.280	ug/l	99
31) Cyclohexane	5.57	56	212682	20.986	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	183506	20.263	ug/l	99
36) 1,1-Dichloropropene	5.79	75	165177	19.947	ug/l	99
37) Ethyl Acetate	4.81	43	183318	20.380	ug/l	99
38) Carbon Tetrachloride	5.77	117	158894	20.851	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	218572	21.009	ug/l	98
40) Benzene	6.13	78	506601	20.612	ug/l	99
41) Methacrylonitrile	5.03	41	101301	21.119	ug/l	99
42) 1,2-Dichloroethane	6.18	62	172265	20.046	ug/l	99
43) Isopropyl Acetate	6.43	43	302050	20.787	ug/l	99
44) Trichloroethene	7.20	130	143007	20.247	ug/l	100
45) 1,2-Dichloropropane	7.50	63	130860	20.884	ug/l	98
46) Dibromomethane	7.65	93	83974	19.201	ug/l	99
47) Bromodichloromethane	7.89	83	165256	20.766	ug/l	98
48) Methyl methacrylate	7.76	41	146683	21.077	ug/l	100
49) 1,4-Dioxane	7.73	88	60477	410.123	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	930615	105.102	ug/l	99
52) Toluene	8.78	92	318784	20.262	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	184200	19.882	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	204723	20.455	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	127763	20.218	ug/l	97
56) Ethyl methacrylate	9.17	69	200565	20.716	ug/l	99
57) 1,3-Dichloropropane	9.37	76	217099	20.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	310783	94.348	ug/l	98
59) 2-Hexanone	9.48	43	734826	104.885	ug/l	98
60) Dibromochloromethane	9.57	129	130115	20.485	ug/l	99
61) 1,2-Dibromoethane	9.67	107	133918	20.006	ug/l	100
64) Tetrachloroethene	9.33	164	155668	19.615	ug/l	98
65) Chlorobenzene	10.13	112	345661	20.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	124389	20.283	ug/l	98
67) Ethyl Benzene	10.25	91	615646	21.019	ug/l	98
68) m/p-Xylenes	10.36	106	462445	40.925	ug/l	98
69) o-Xylene	10.70	106	225516	20.917	ug/l	100
70) Styrene	10.71	104	383397	20.606	ug/l	99
71) Bromoform	10.85	173	100545	20.039	ug/l	99
73) Isopropylbenzene	11.01	105	598943	21.239	ug/l	99
74) N-amyl acetate	10.89	43	261571	21.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	190436	21.058	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	215170	25.897	ug/l	84
77) Bromobenzene	11.25	156	156932	20.067	ug/l	98
78) n-propylbenzene	11.35	91	685698	21.232	ug/l	100
79) 2-Chlorotoluene	11.42	91	403168	20.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	499479	21.334	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62144	19.774	ug/l	96
82) 4-Chlorotoluene	11.51	91	462975	20.492	ug/l	99
83) tert-Butylbenzene	11.76	119	470428	21.266	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	507384	21.447	ug/l	99
85) sec-Butylbenzene	11.94	105	584347	21.249	ug/l	99
86) p-Isopropyltoluene	12.06	119	544114	21.322	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	275023	19.596	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	281094	20.978	ug/l	99
89) n-Butylbenzene	12.39	91	465464	19.949	ug/l	99
90) Hexachloroethane	12.59	117	90795	20.255	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	276832	20.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40569	19.943	ug/l	99

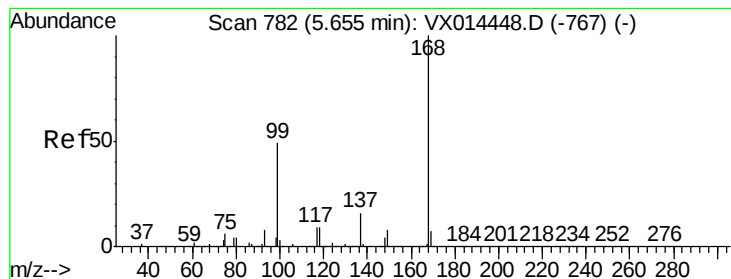
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010820\
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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	193593	19.993	ug/l	99
94) Hexachlorobutadiene	13.78	225	90133	19.978	ug/l	97
95) Naphthalene	13.83	128	574339	19.174	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	190823	19.985	ug/l	99

(#) = 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: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

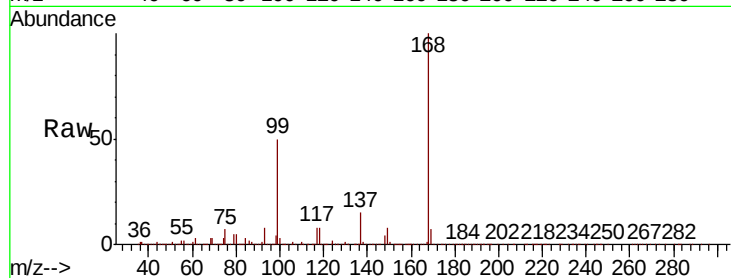
ClientSampled :

Tot Ion:168 Resp: 593949

Ion Ratio Lower Upper

168 100

99 49.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

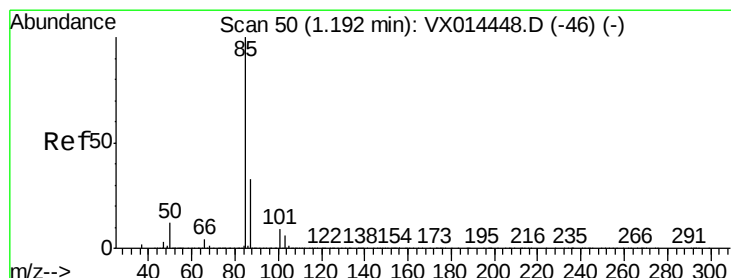
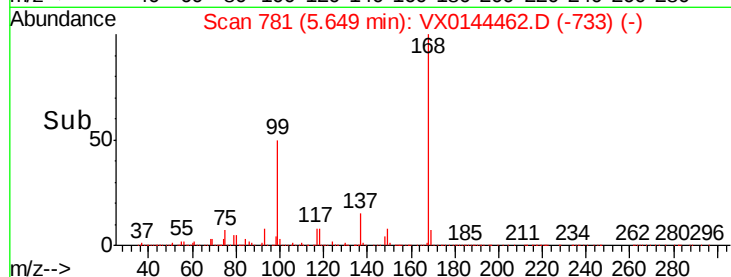
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.347 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX0144462.D

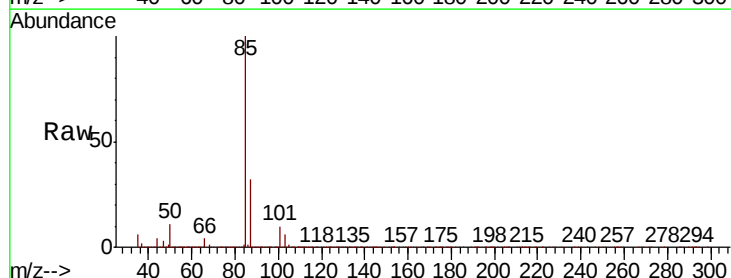
Acq: 08 Jan 2020 11:32

Tgt Ion: 85 Resp: 156342

Ion Ratio Lower Upper

85 100

87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

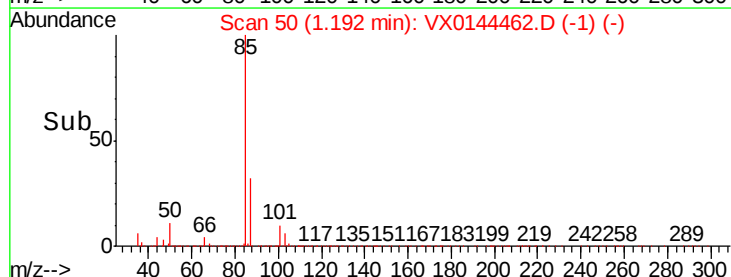
150000

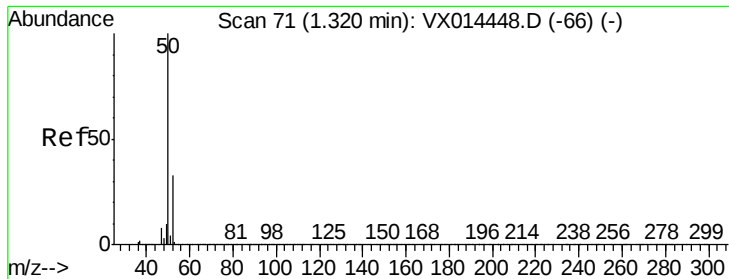
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.673 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

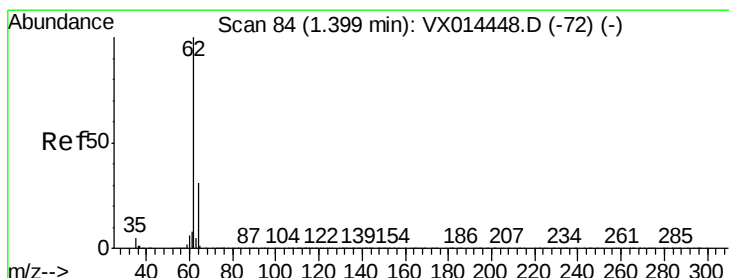
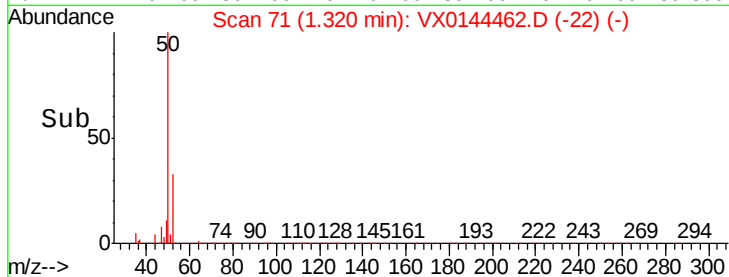
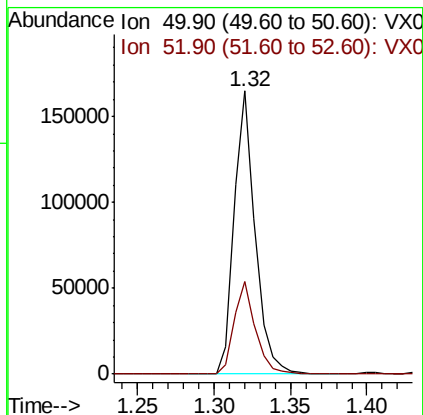
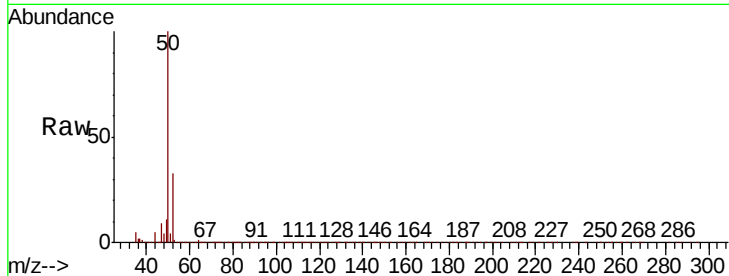
ClientSampleId :

Tot Ion: 50 Resp: 156514

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 21.437 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX0144462.D

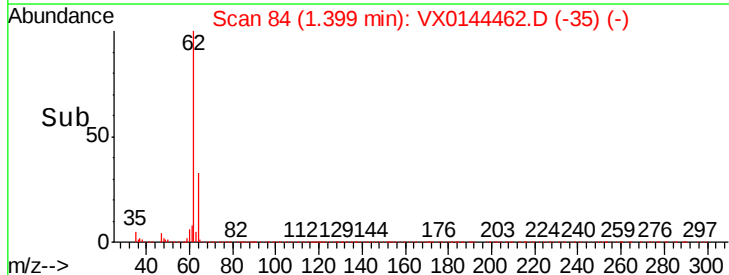
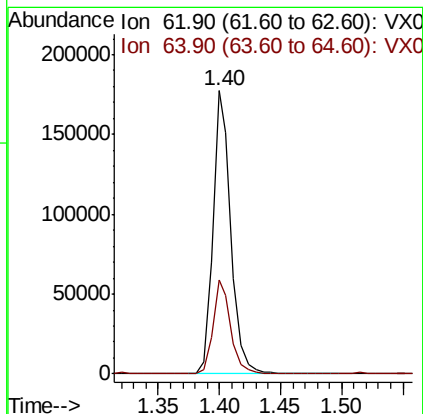
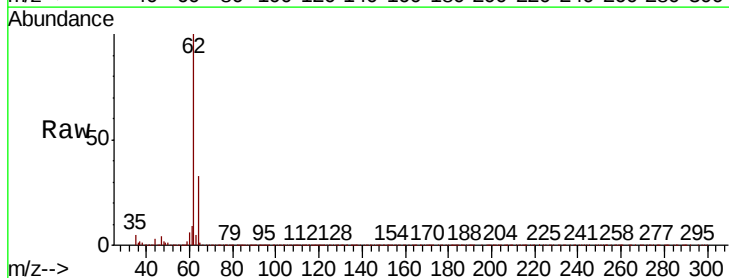
Acq: 08 Jan 2020 11:32

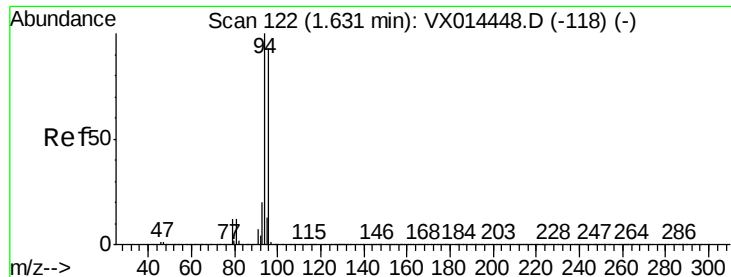
Tgt Ion: 62 Resp: 180857

Ion Ratio Lower Upper

62 100

64 33.2 24.6 37.0





#5

Bromomethane

Concen: 18.549 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

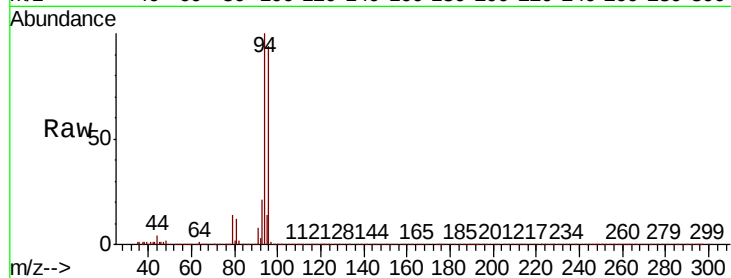
ClientSampleId :

Tot Ion: 94 Resp: 103729

Ion Ratio Lower Upper

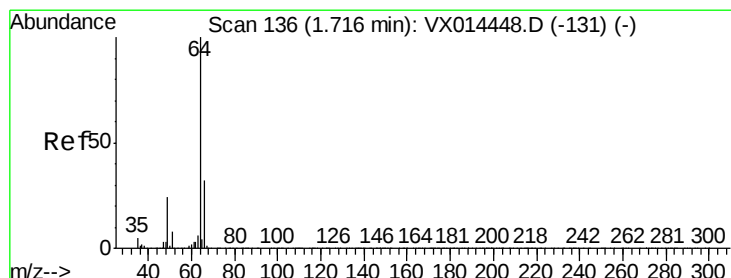
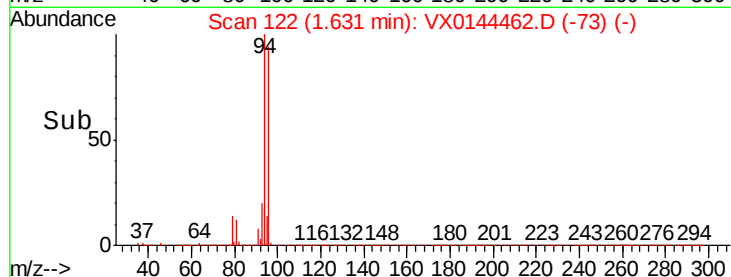
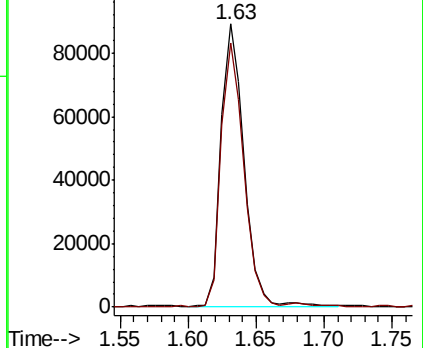
94 100

96 93.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.731 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX0144462.D

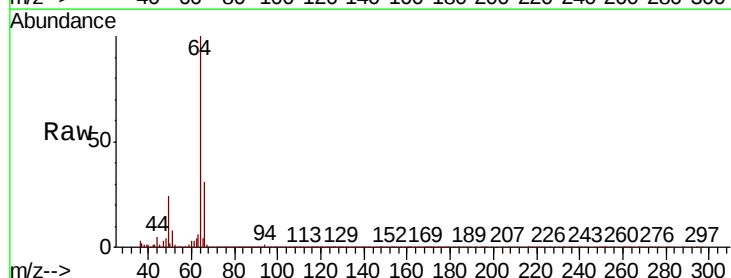
Acq: 08 Jan 2020 11:32

Tgt Ion: 64 Resp: 98769

Ion Ratio Lower Upper

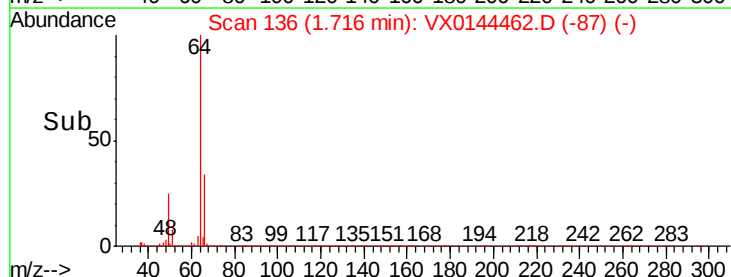
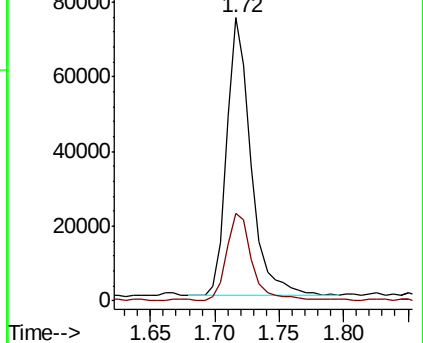
64 100

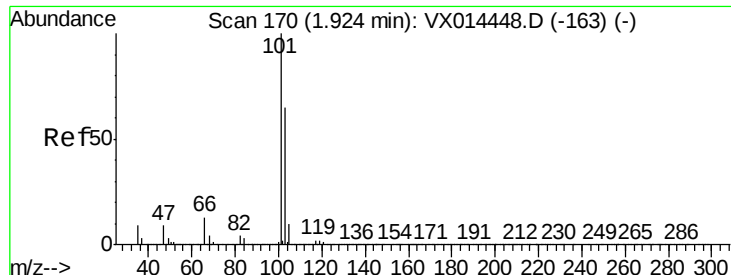
66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



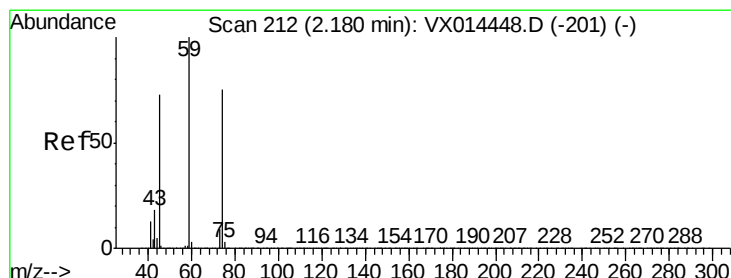
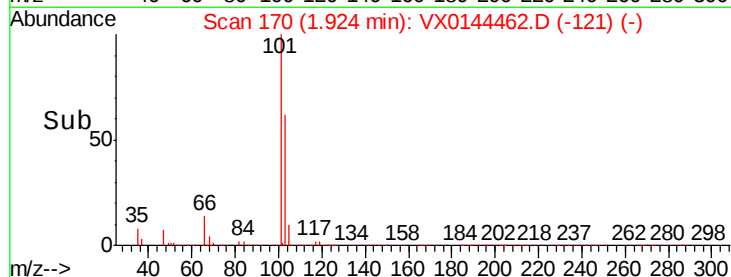
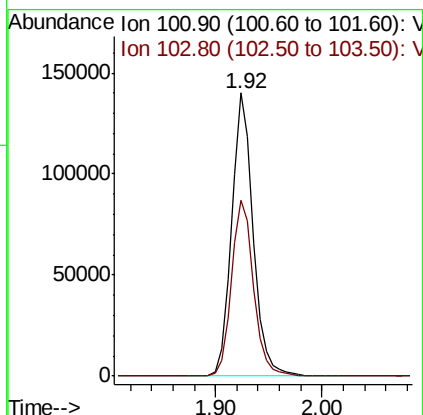
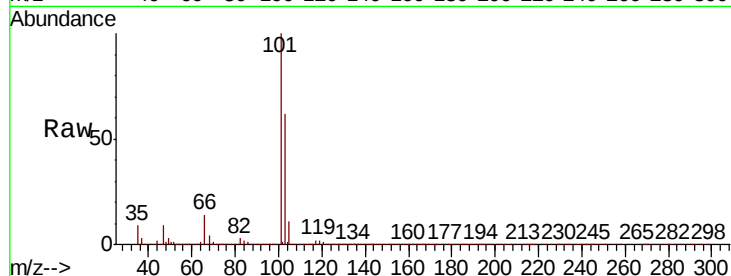


#7

Trichlorofluoromethane
Concen: 20.655 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

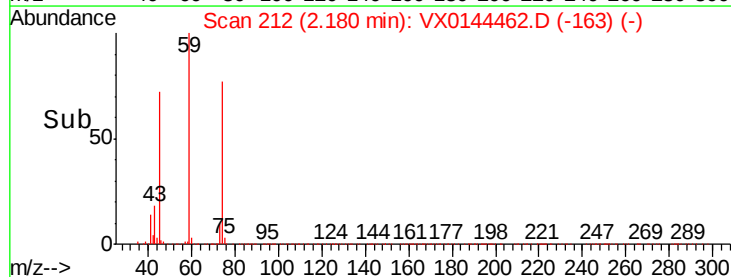
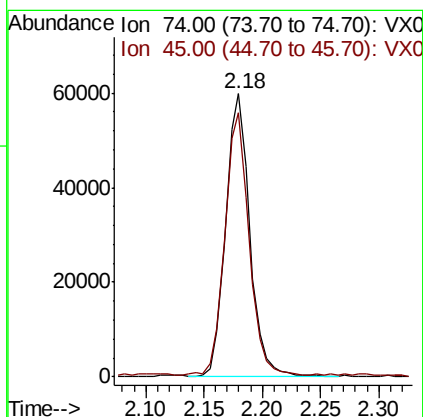
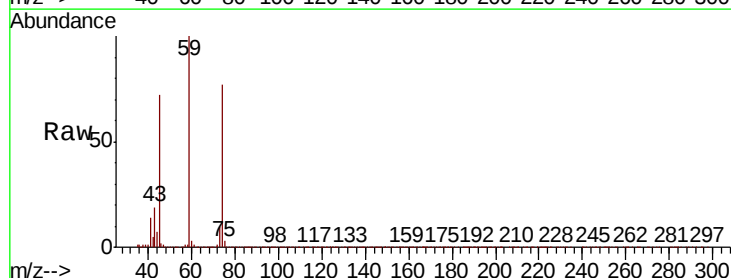
Tot Ion:101 Resp: 197673
Ion Ratio Lower Upper
101 100
103 62.1 52.2 78.4

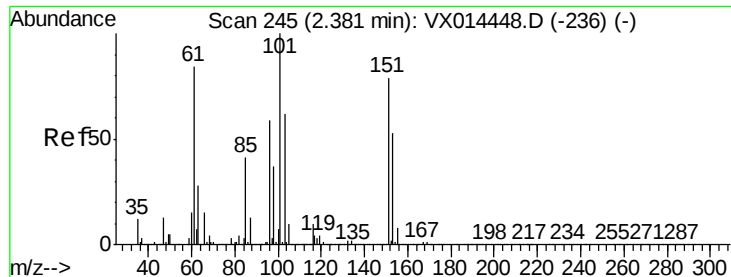


#8

Diethyl Ether
Concen: 19.479 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 74 Resp: 85046
Ion Ratio Lower Upper
74 100
45 93.8 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.616 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

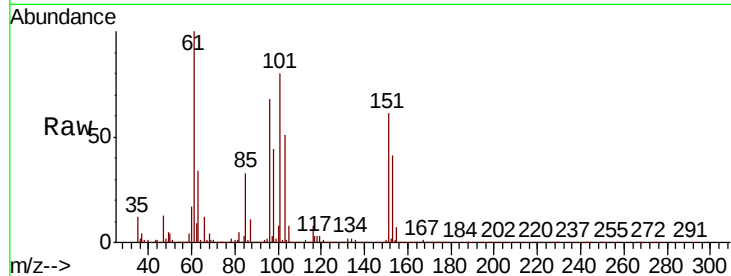
Tot Ion:101 Resp: 120032

Ion Ratio Lower Upper

101 100

85 41.0 33.8 50.8

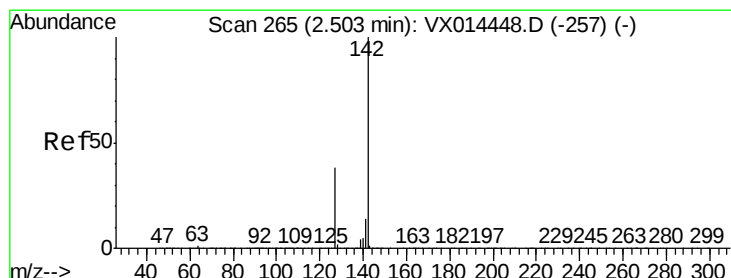
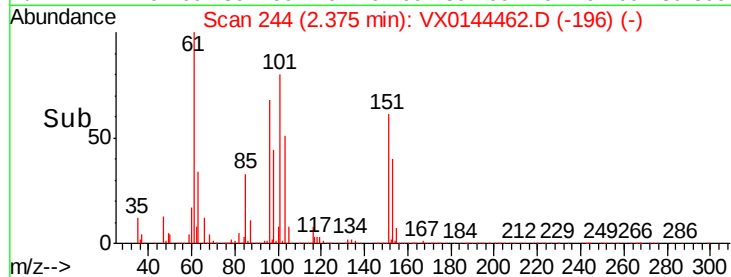
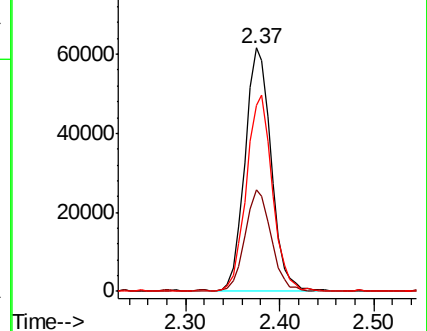
151 80.1 65.3 97.9



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: 17.310 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

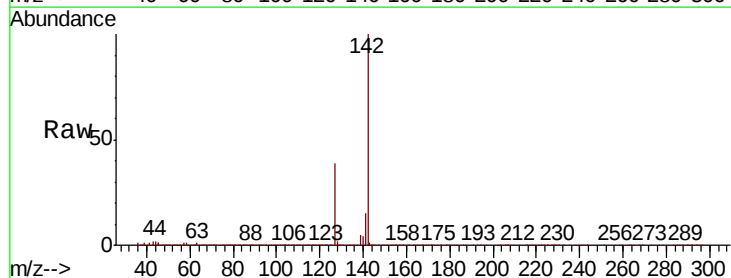
Tgt Ion:142 Resp: 120680

Ion Ratio Lower Upper

142 100

127 38.5 31.2 46.8

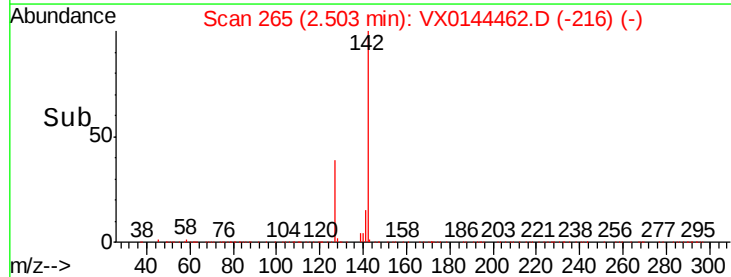
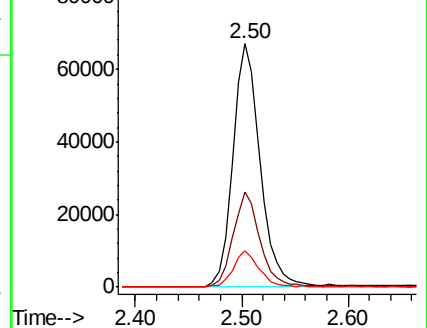
141 14.2 11.4 17.2

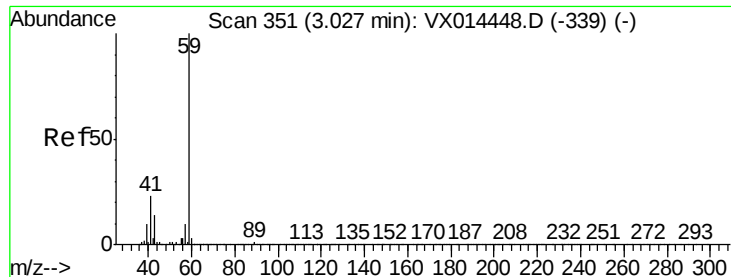


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



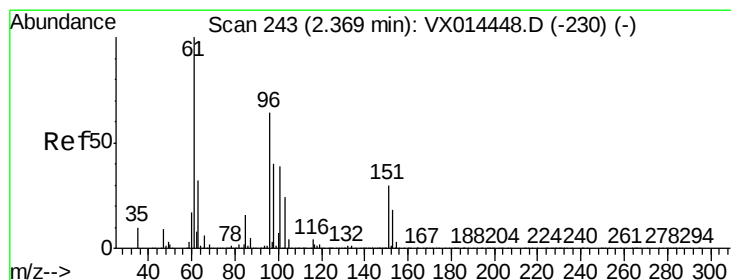
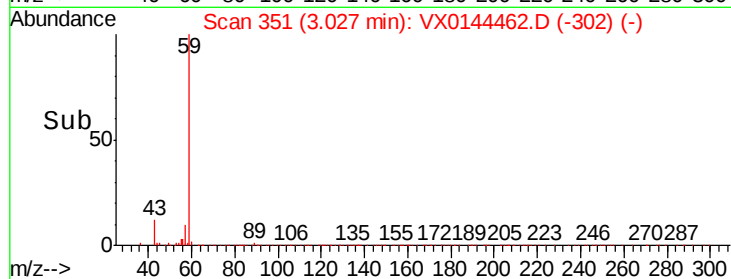
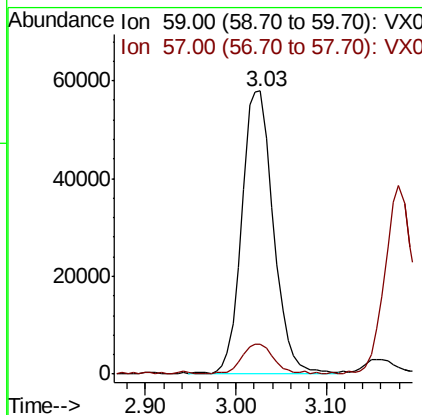
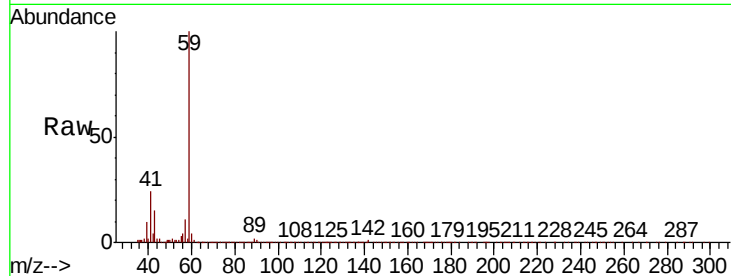


#11

Tert butyl alcohol
Concen: 101.380 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

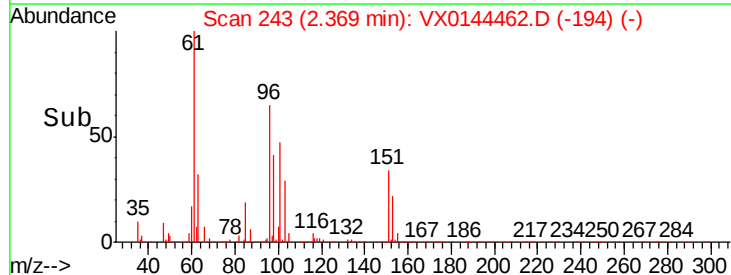
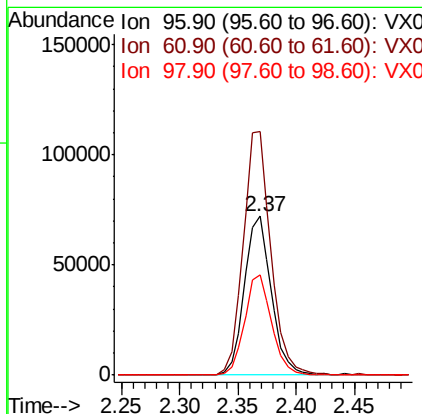
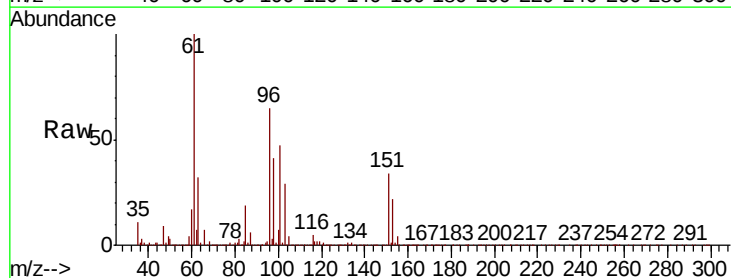
Tot Ion: 59 Resp: 140354
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

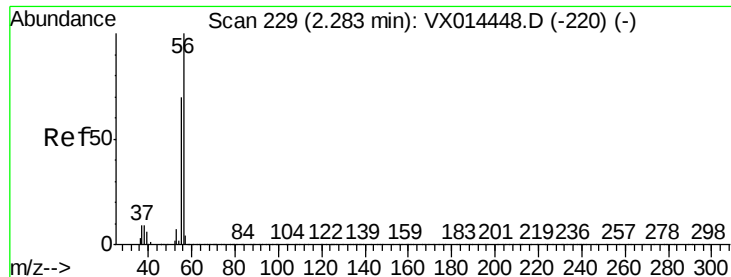


#12

1,1-Dichloroethene
Concen: 19.914 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 96 Resp: 116819
Ion Ratio Lower Upper
96 100
61 153.2 125.0 187.6
98 63.2 50.2 75.2

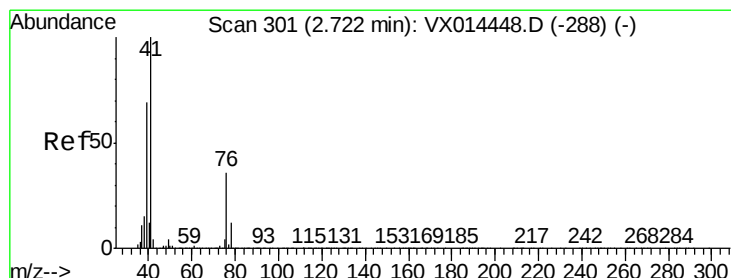
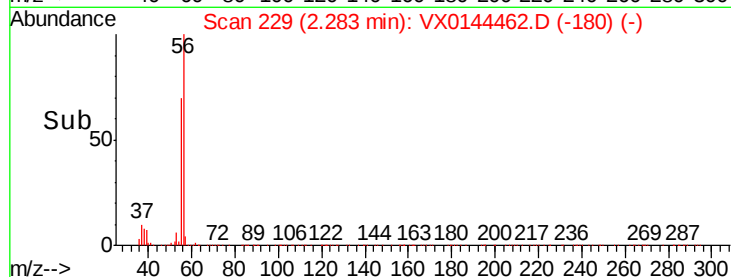
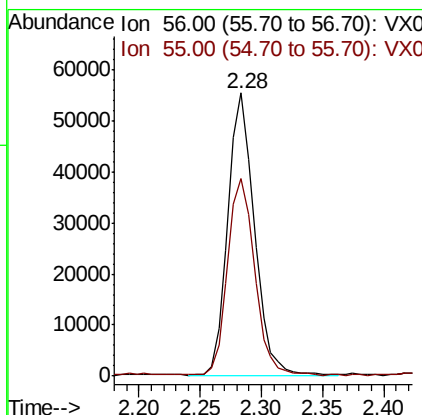
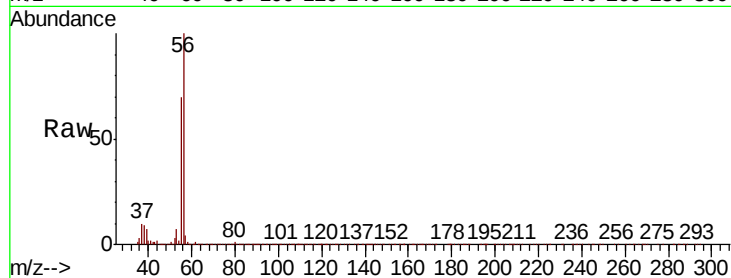




#13
Acrolein
Concen: 74.802 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

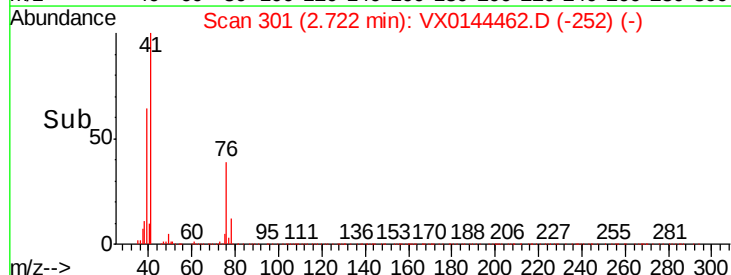
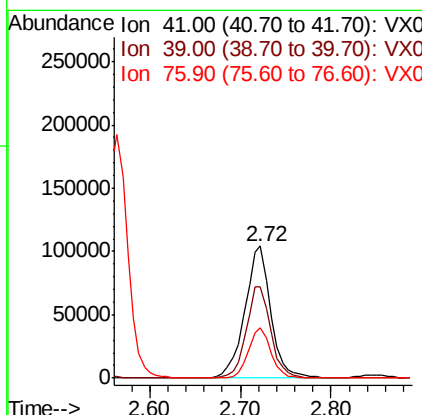
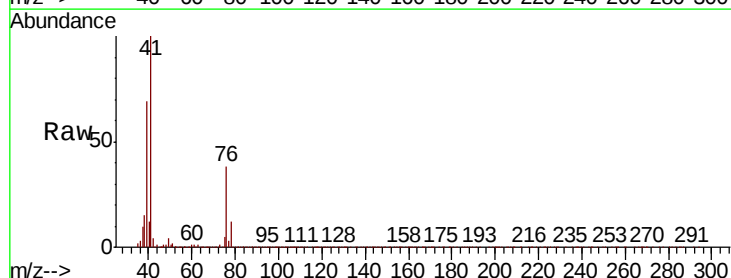
Instrument :
MSVOA_X
ClientSampleId :

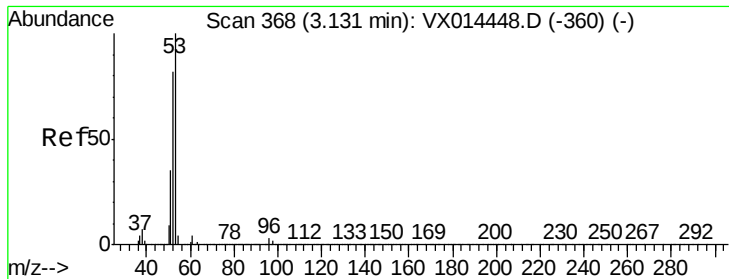
Tot Ion: 56 Resp: 83005
Ion Ratio Lower Upper
56 100
55 71.7 55.0 82.6



#14
Allyl chloride
Concen: 19.812 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 41 Resp: 204049
Ion Ratio Lower Upper
41 100
39 65.7 51.7 77.5
76 33.3 26.8 40.2





#15

Acrylonitrile

Concen: 99.694 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

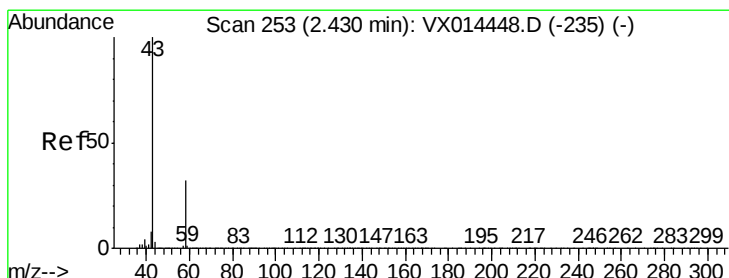
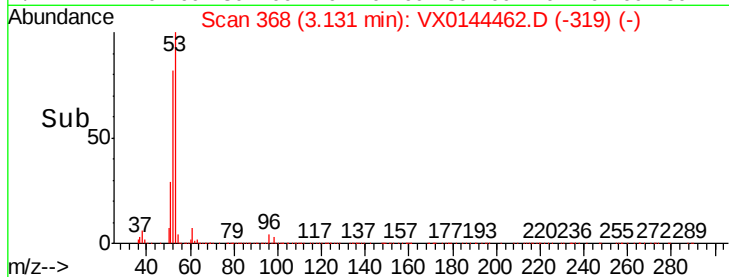
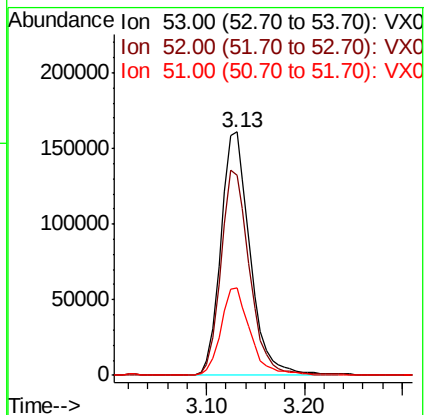
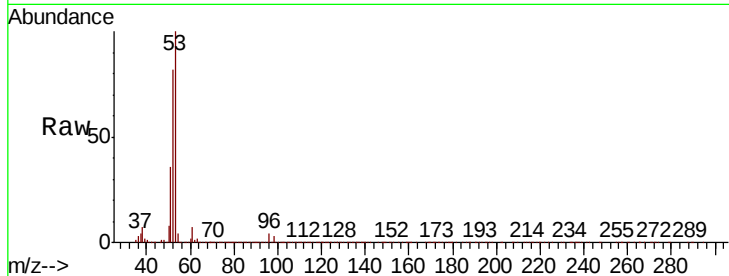
Tot Ion: 53 Resp: 333115

Ion Ratio Lower Upper

53 100

52 82.9 67.0 100.4

51 35.7 28.5 42.7



#16

Acetone

Concen: 101.527 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX0144462.D

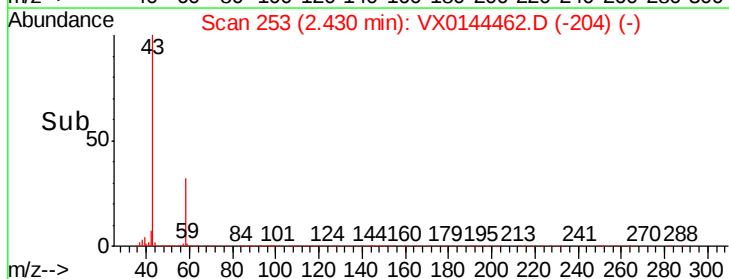
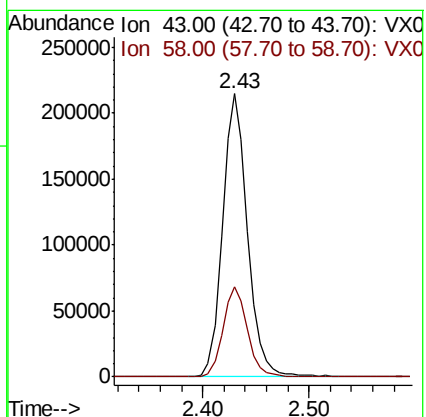
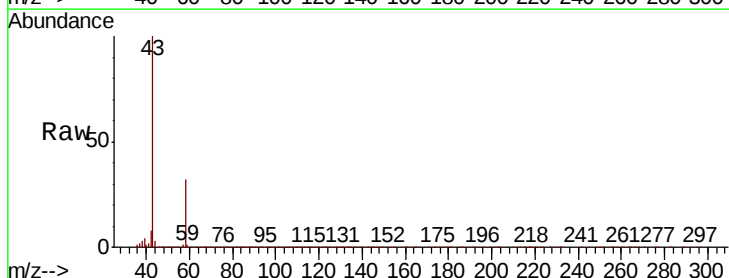
Acq: 08 Jan 2020 11:32

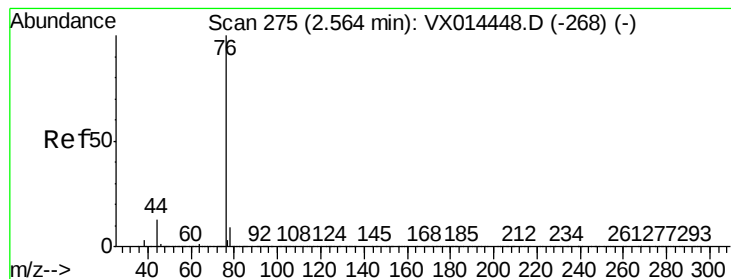
Tgt Ion: 43 Resp: 345781

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.0





#17

Carbon Disulfide

Concen: 19.186 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

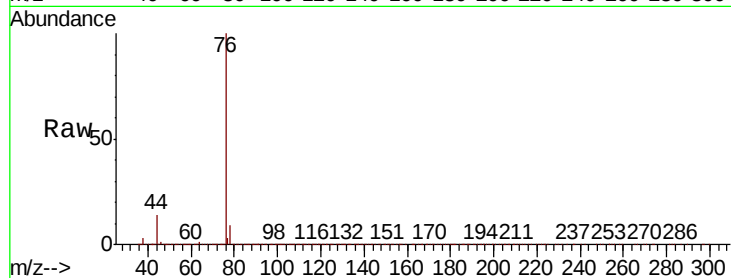
ClientSampleId :

Tot Ion: 76 Resp: 314035

Ion Ratio Lower Upper

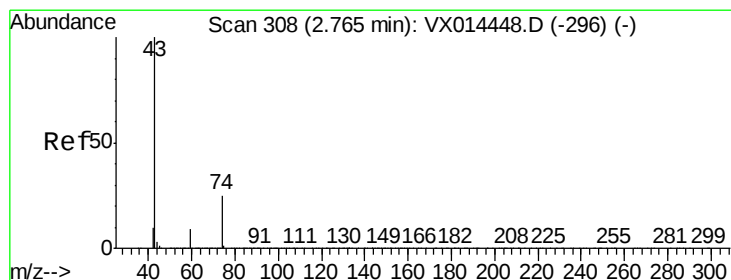
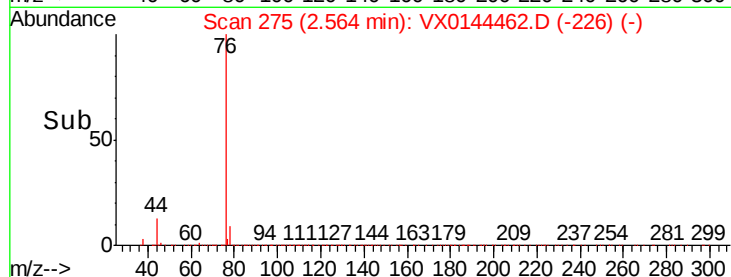
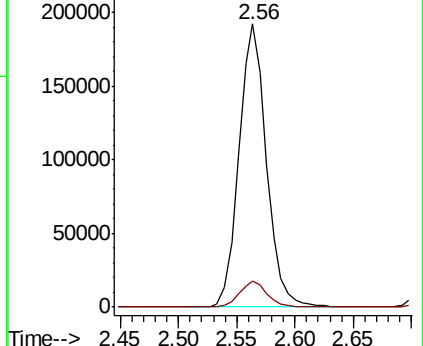
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.057 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX0144462.D

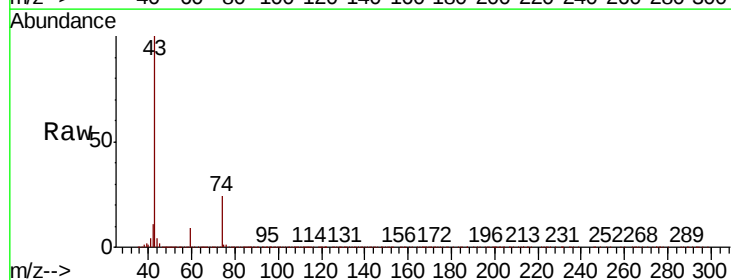
Acq: 08 Jan 2020 11:32

Tgt Ion: 43 Resp: 200667

Ion Ratio Lower Upper

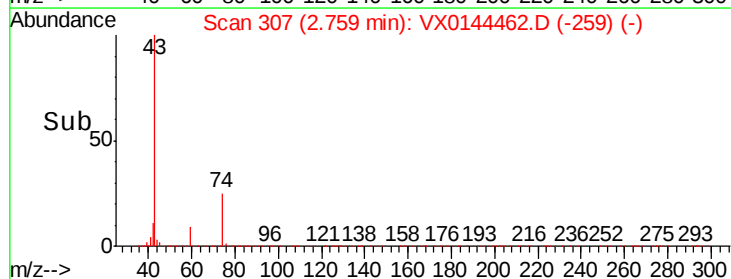
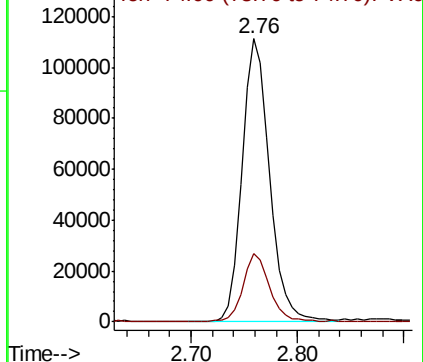
43 100

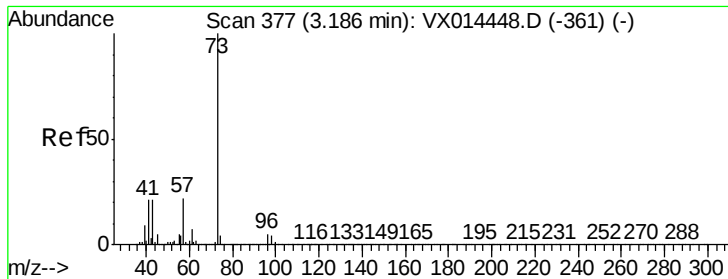
74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

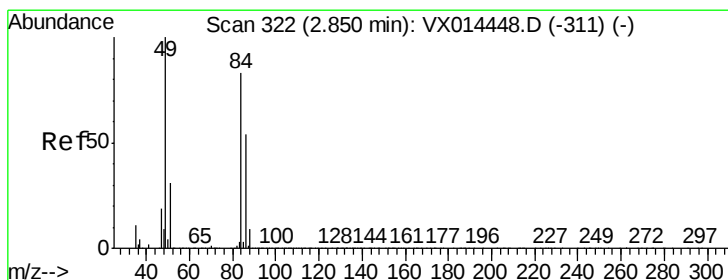
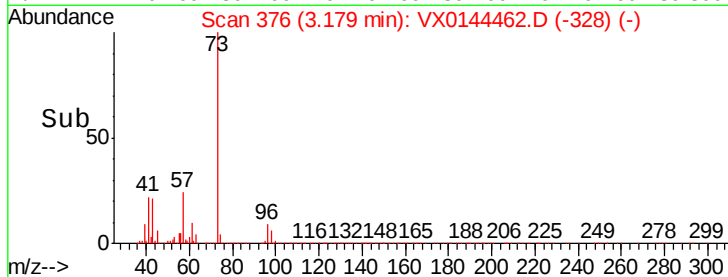
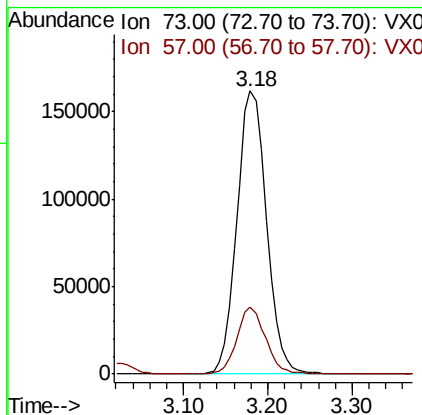
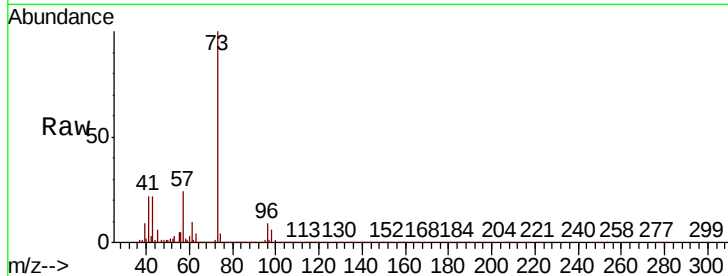




#19
Methvl tert-butvl Ether
Concen: 20.320 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

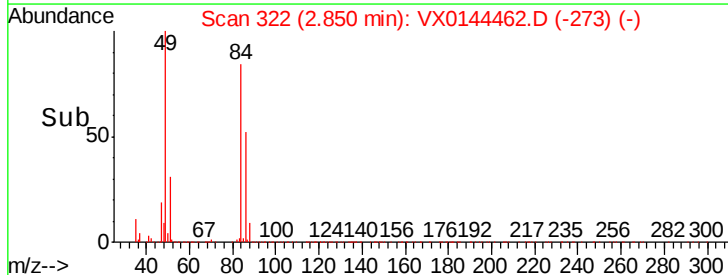
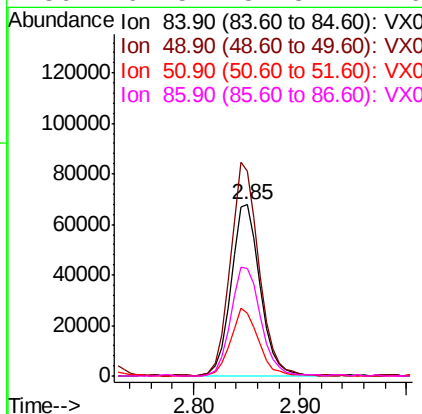
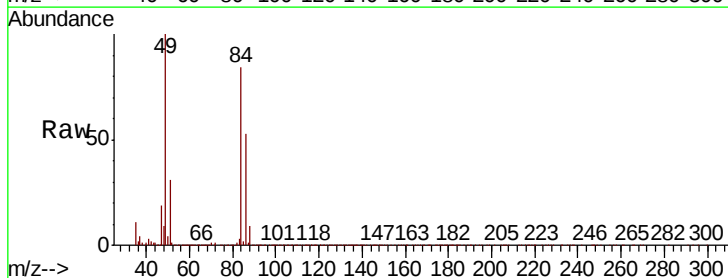
Instrument :
MSVOA_X
ClientSampleId :

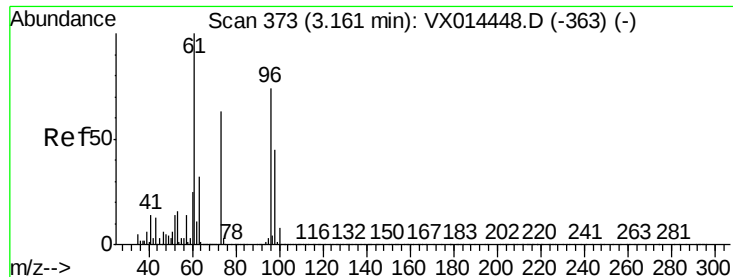
Tot Ion: 73 Resp: 382649
Ion Ratio Lower Upper
73 100
57 23.7 17.8 26.8



#20
Methylene Chloride
Concen: 19.421 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 84 Resp: 129541
Ion Ratio Lower Upper
84 100
49 118.6 95.8 143.8
51 36.6 30.2 45.4
86 62.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.511 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampled :

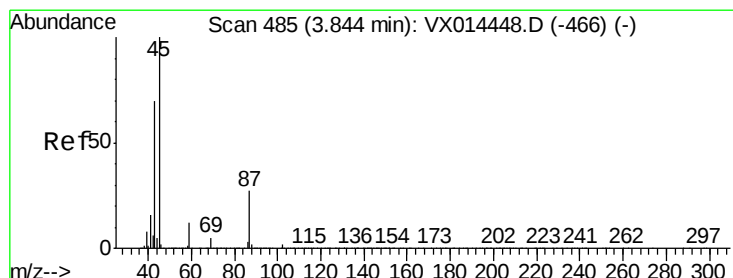
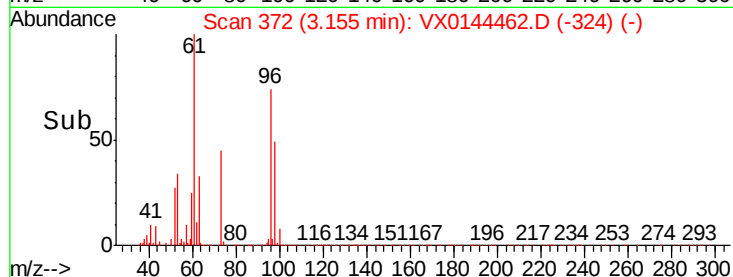
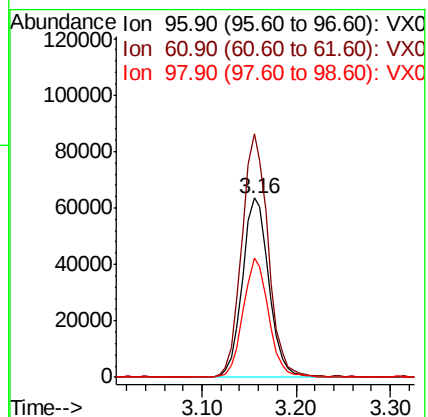
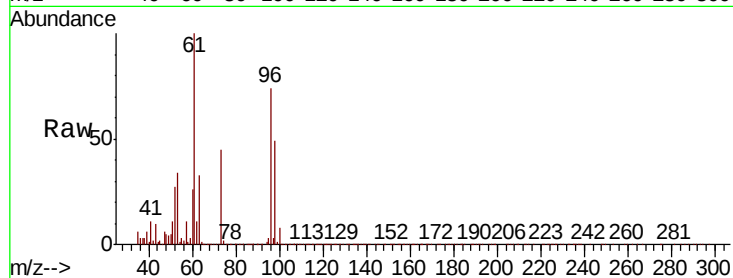
Tot Ion: 96 Resp: 124949

Ion Ratio Lower Upper

96 100

61 135.6 108.2 162.4

98 66.4 48.8 73.2



#22

Diisopropyl ether

Concen: 20.669 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Tgt Ion: 45 Resp: 411386

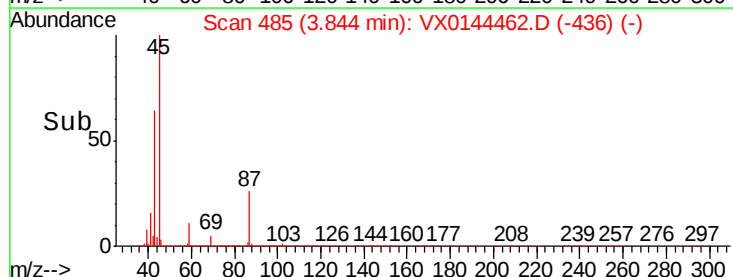
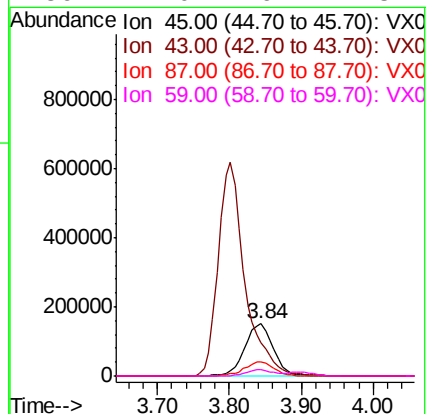
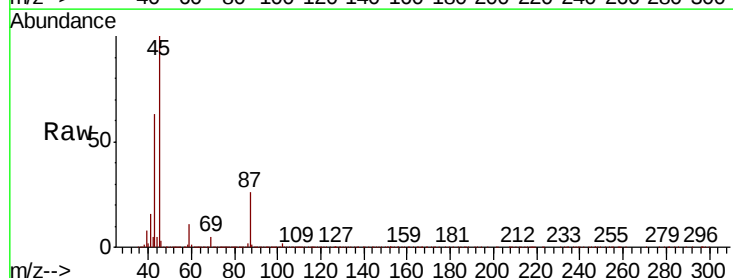
Ion Ratio Lower Upper

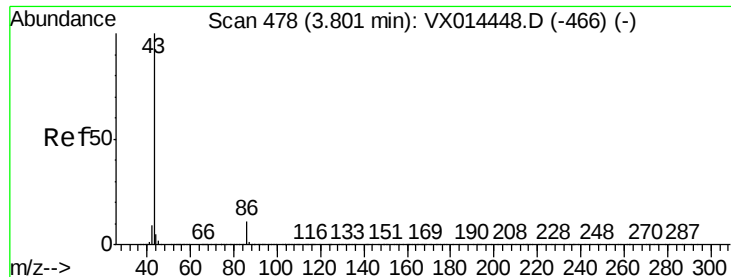
45 100

43 63.3 55.8 83.6

87 25.9 21.8 32.8

59 11.0 9.1 13.7





#23

Vinyl Acetate

Concen: 103.531 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

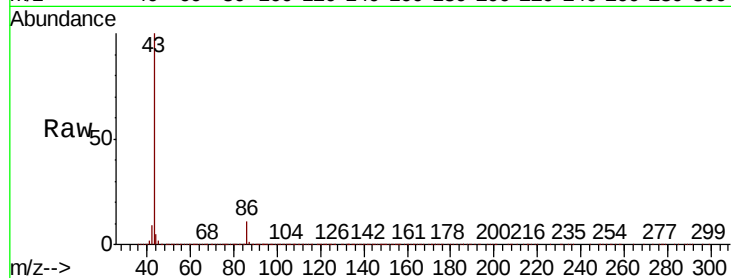
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1595350

Ion Ratio Lower Upper

43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

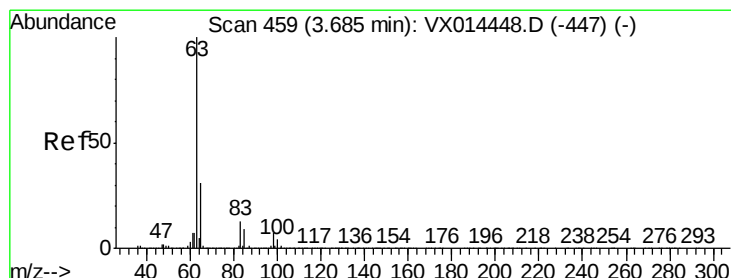
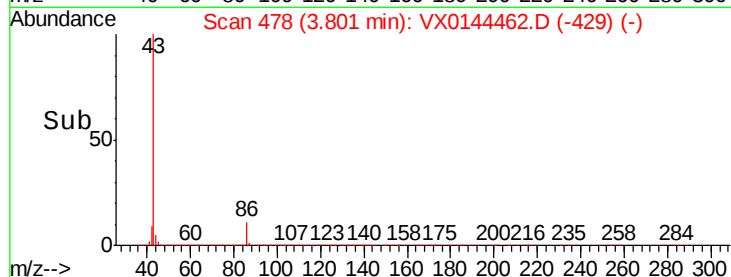
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 20.471 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

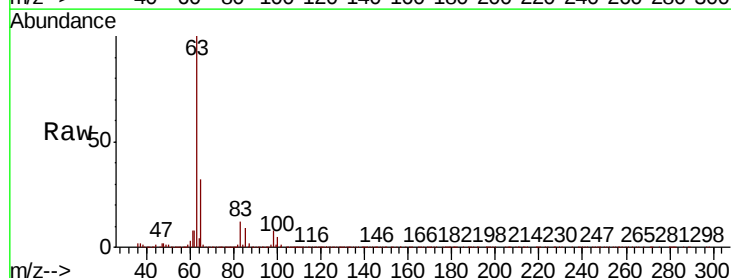
Tgt Ion: 63 Resp: 221639

Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.4 2.3 6.8



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

120000

100000

80000

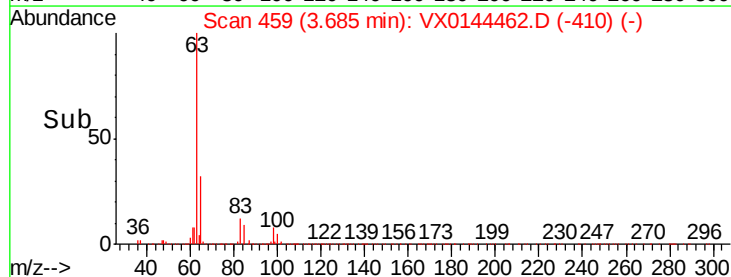
60000

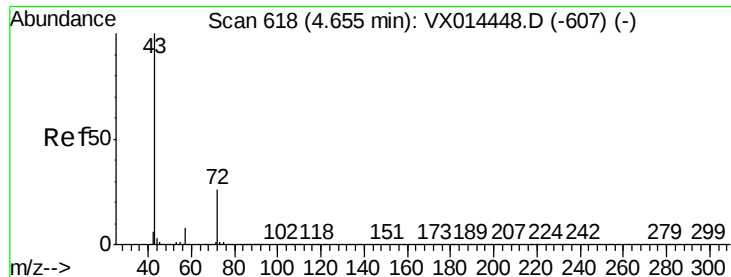
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 99.738 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

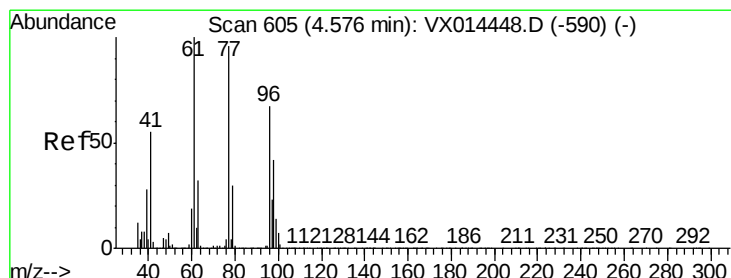
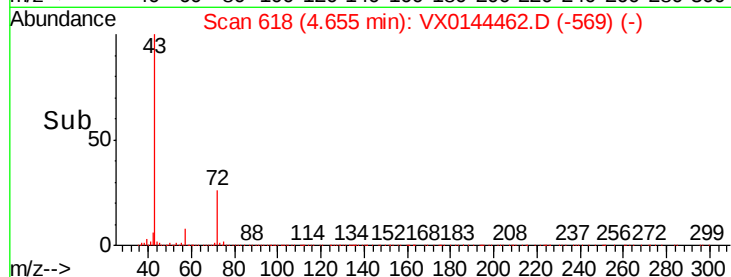
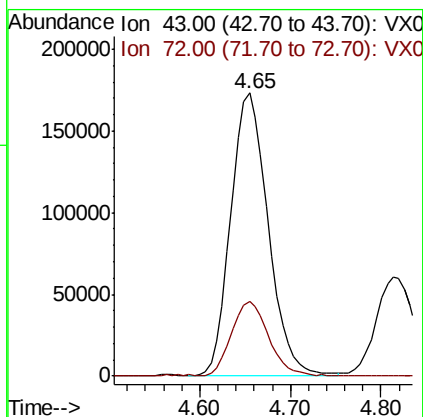
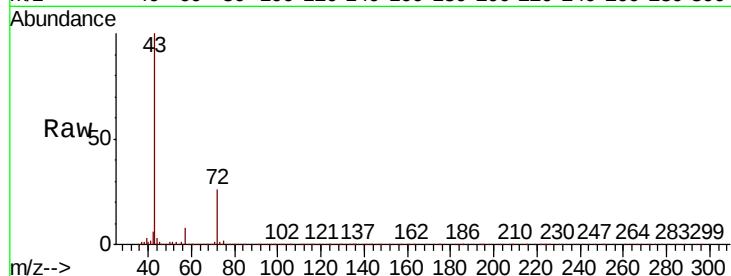
ClientSampleId :

Tot Ion: 43 Resp: 493985

Ion Ratio Lower Upper

43 100

72 26.2 20.6 31.0



#26

2,2-Dichloropropane

Concen: 20.075 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX0144462.D

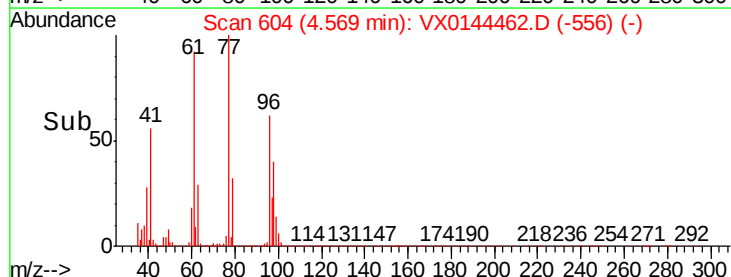
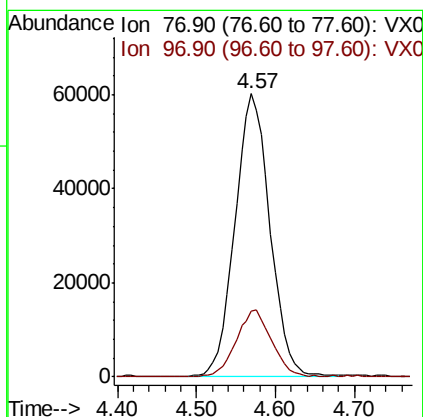
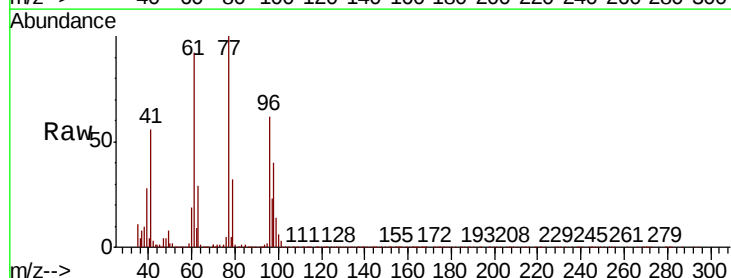
Acq: 08 Jan 2020 11:32

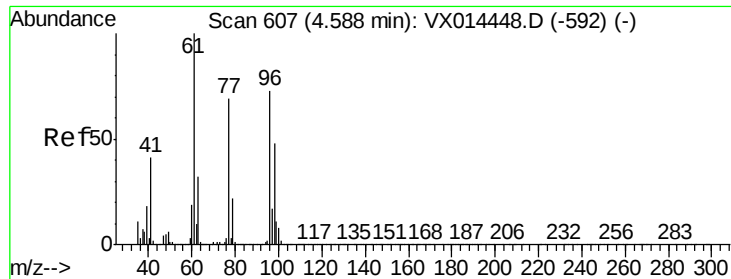
Tgt Ion: 77 Resp: 184131

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.1



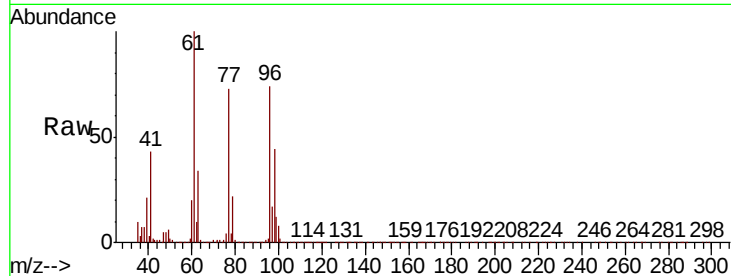


#27

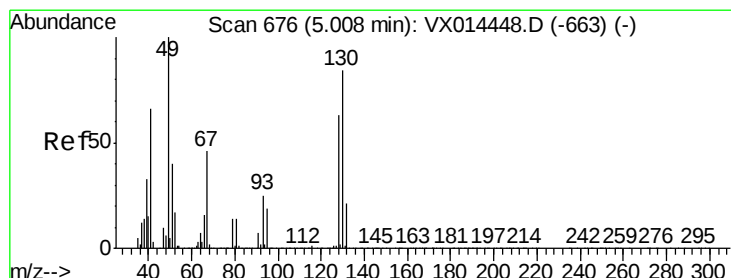
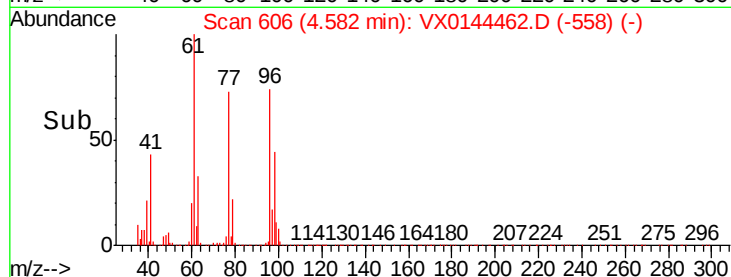
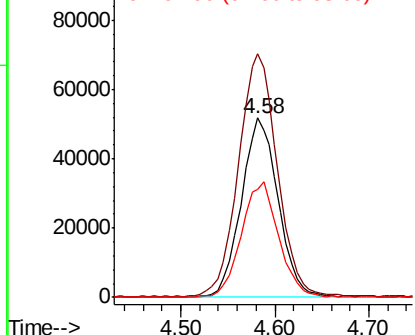
cis-1,2-Dichloroethene
Concen: 19.679 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 140883
Ion Ratio Lower Upper
96 100
61 144.0 0.0 285.4
98 65.3 0.0 130.6



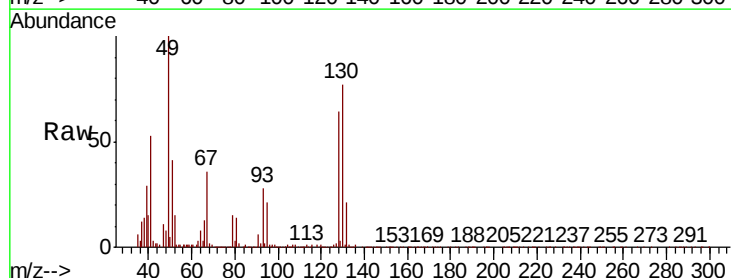
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



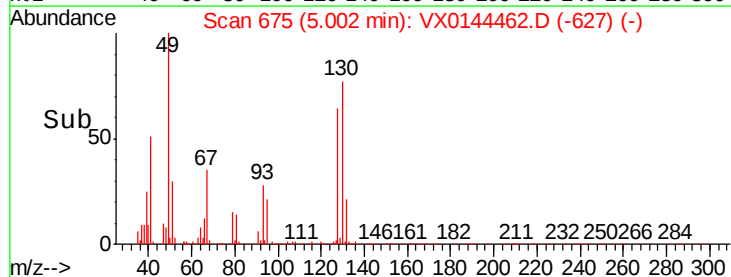
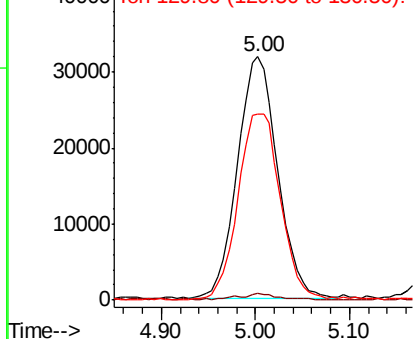
#28

Bromochloromethane
Concen: 20.972 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 49 Resp: 95679
Ion Ratio Lower Upper
49 100
129 2.9 0.0 4.4
130 80.5 67.0 100.4



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: 102.224 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

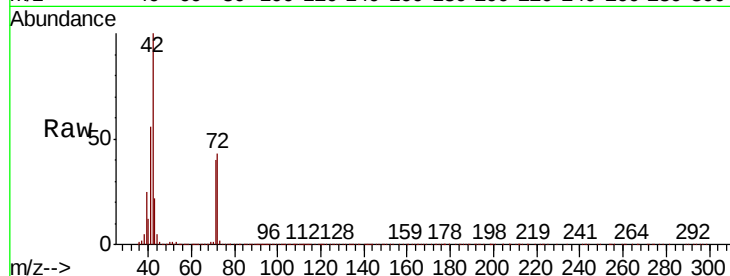
Tot Ion: 42 Resp: 299343

Ion Ratio Lower Upper

42 100

72 44.5 36.2 54.4

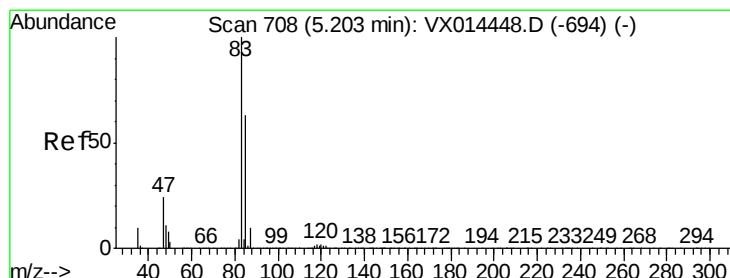
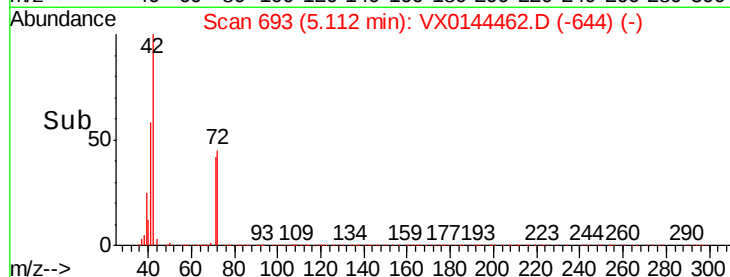
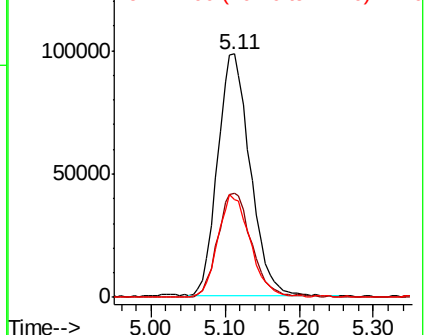
71 42.5 34.1 51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.280 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX0144462.D

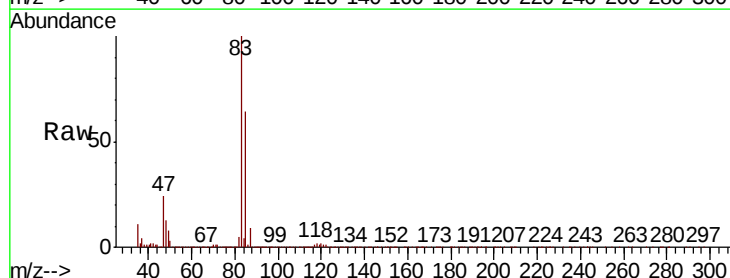
Acq: 08 Jan 2020 11:32

Tgt Ion: 83 Resp: 214568

Ion Ratio Lower Upper

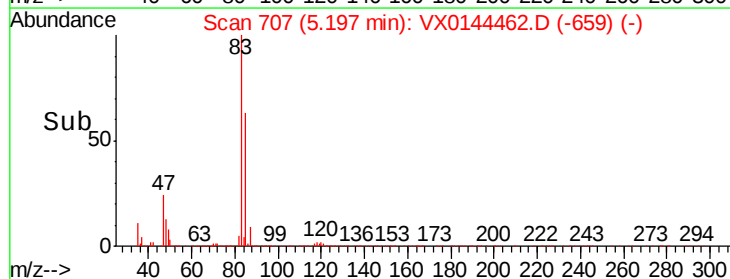
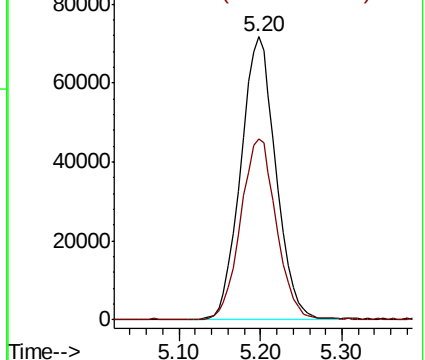
83 100

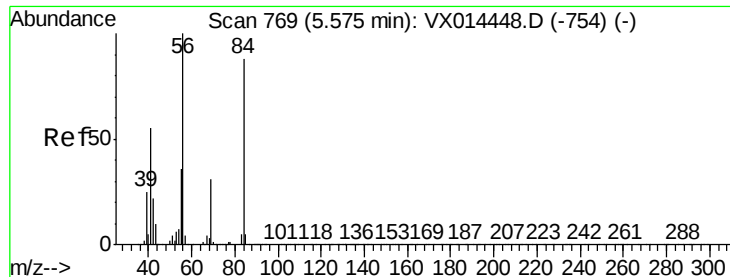
85 63.9 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

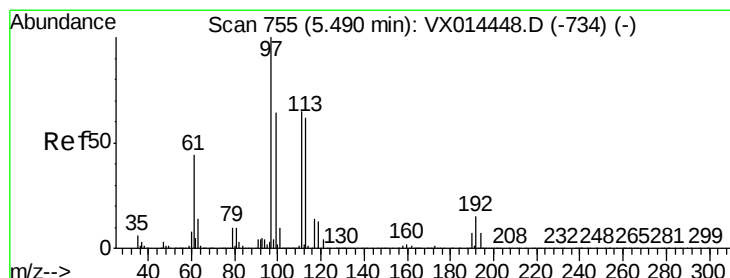
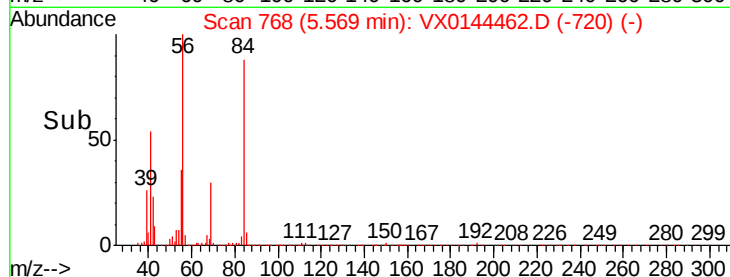
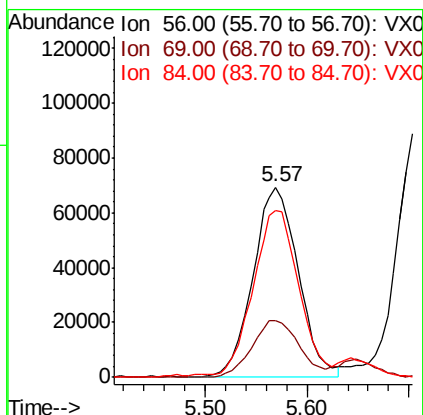
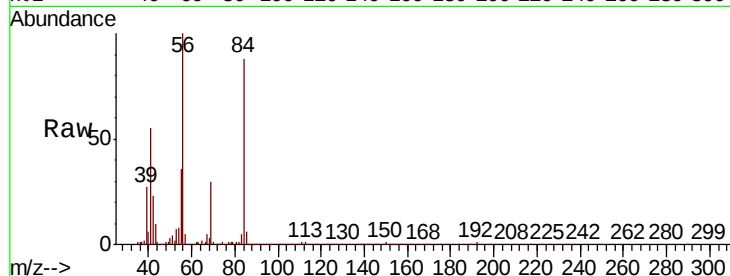




#31
Cyclohexane
Concen: 20.986 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

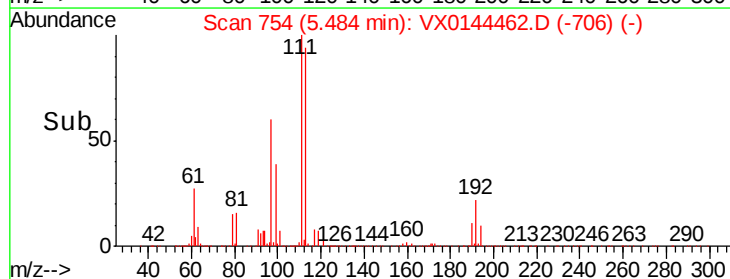
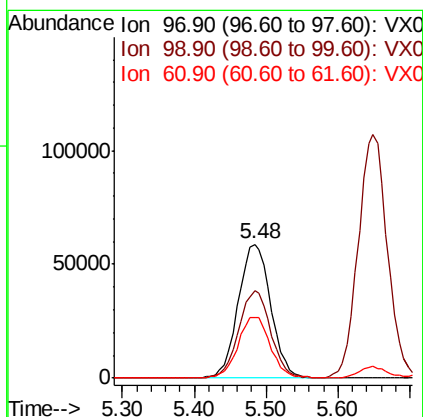
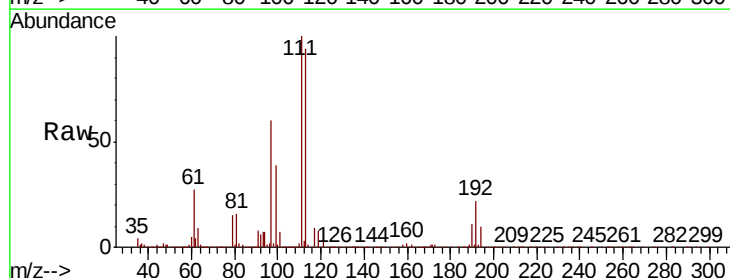
Instrument :
MSVOA_X
ClientSampleId :

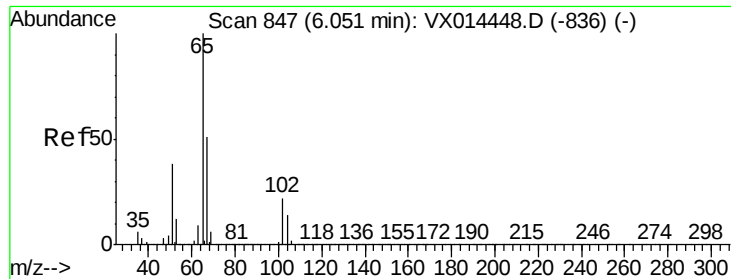
Tot Ion: 56 Resp: 212682
Ion Ratio Lower Upper
56 100
69 29.4 24.4 36.6
84 87.2 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 20.263 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 97 Resp: 183506
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 45.0 35.9 53.9

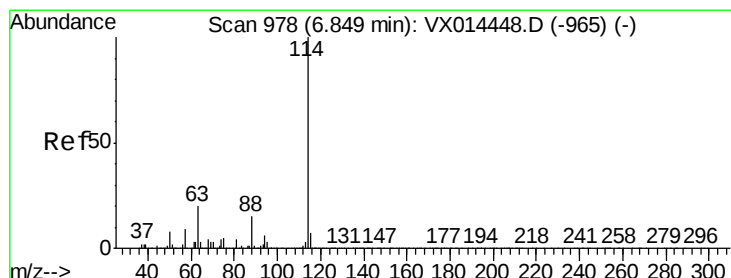
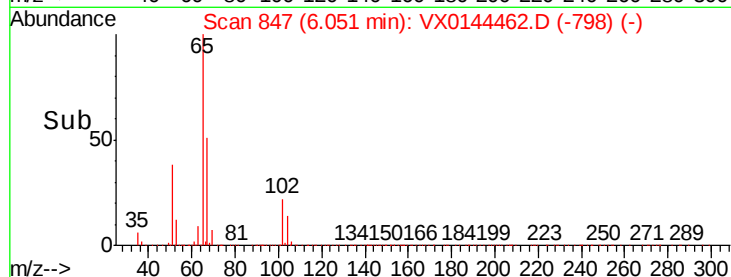
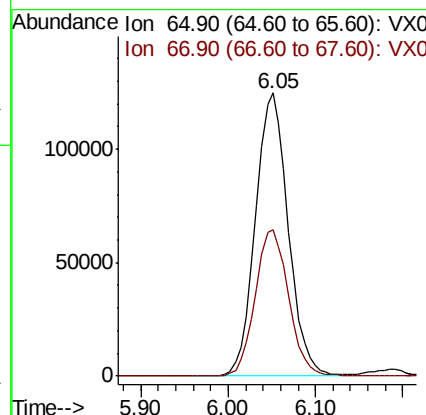
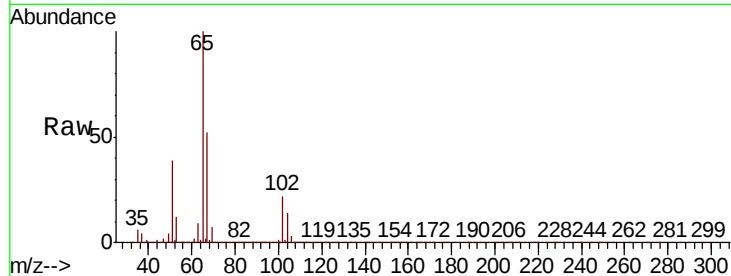




#33
 1,2-Dichloroethane-d4
 Concen: 49.138 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

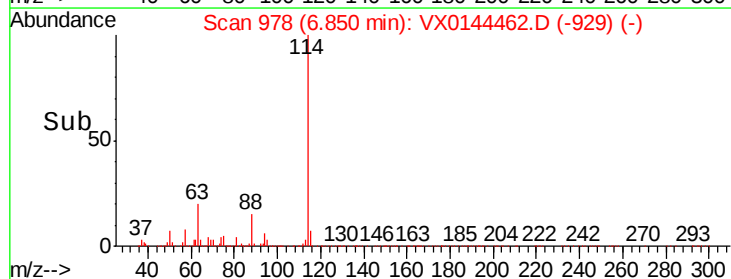
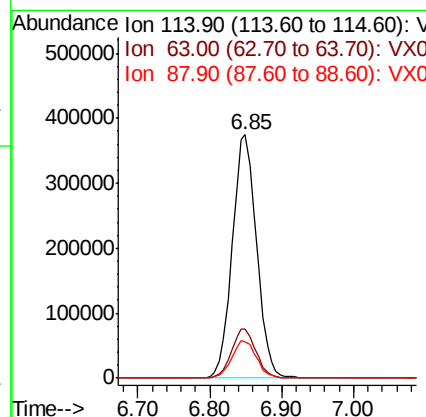
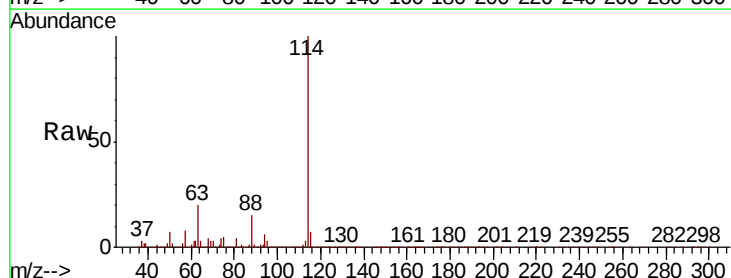
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 65 Resp: 325809
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion: 114 Resp: 880565
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.037 ug/l

RT: 5.48 min Scan# 754

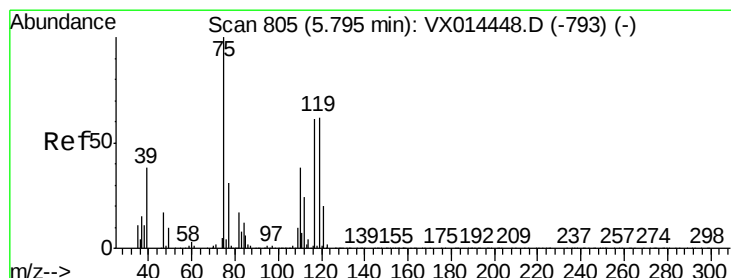
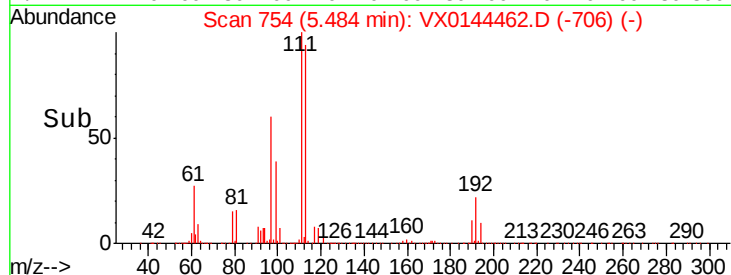
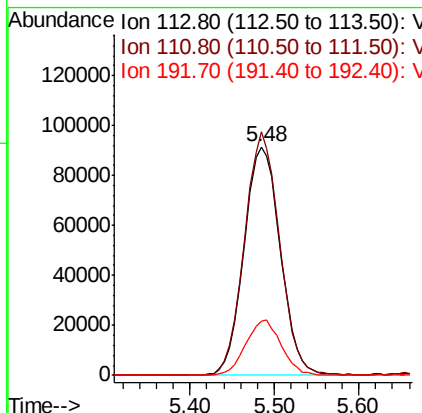
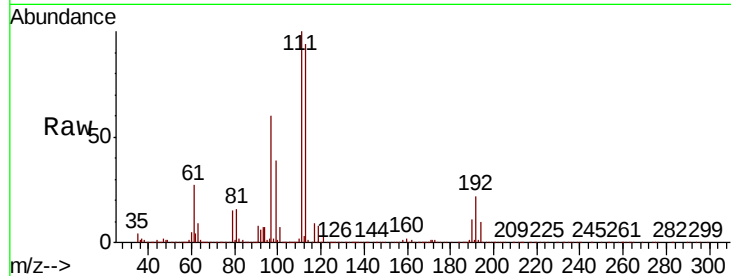
Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	266721
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.7	19.2	28.8



#36

1,1-Dichloropropene

Concen: 19.947 ug/l

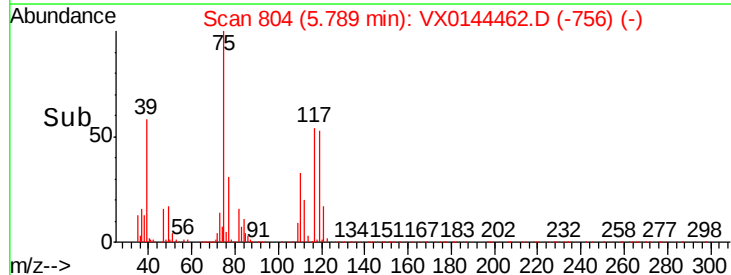
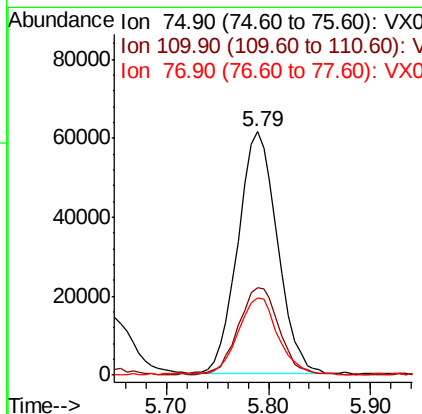
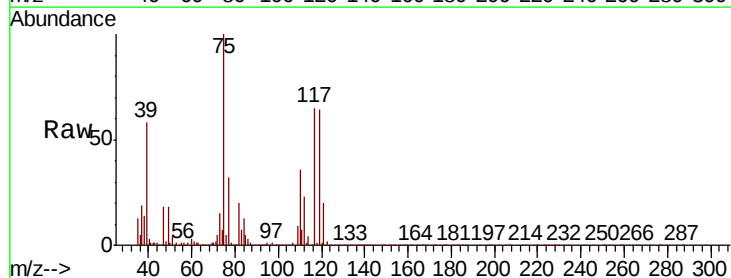
RT: 5.79 min Scan# 804

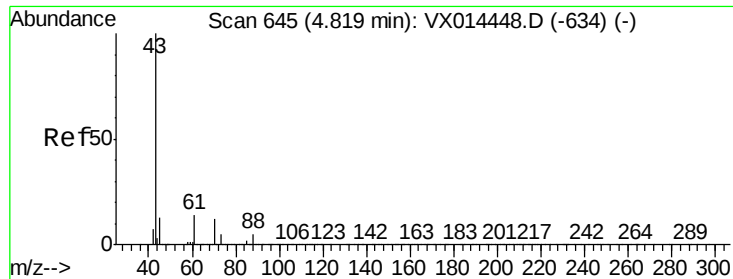
Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Tgt Ion:	75	Resp:	165177
Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.5	24.5	36.7

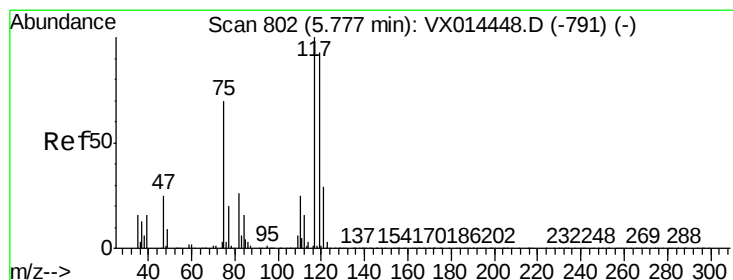
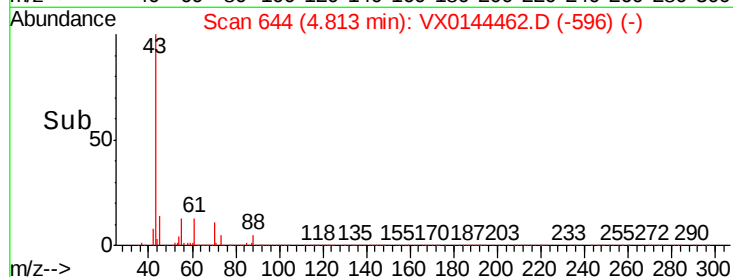
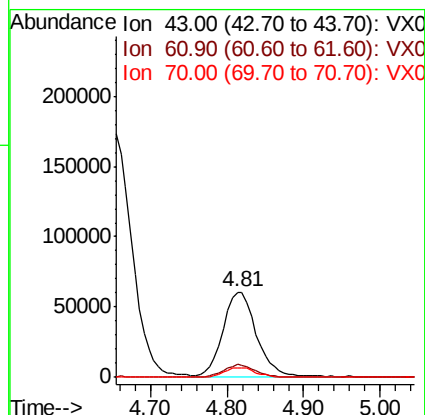
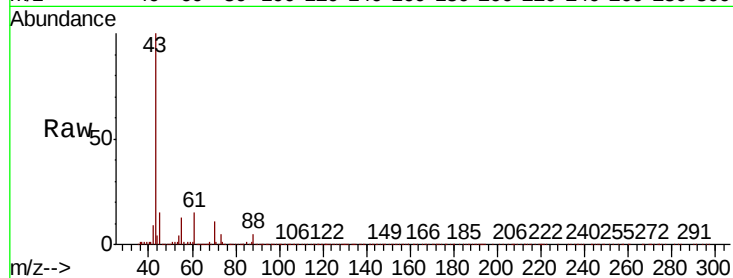




#37
Ethyl Acetate
Concen: 20.380 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

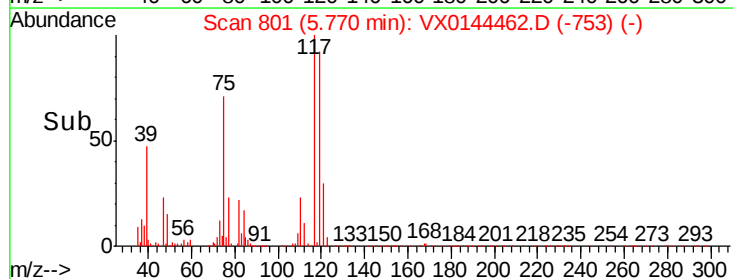
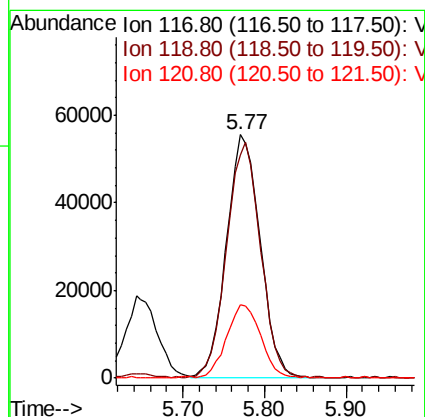
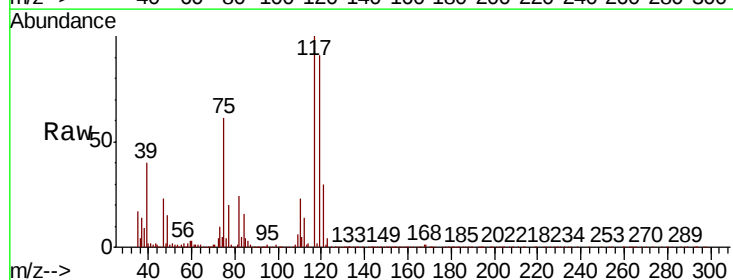
Instrument :
MSVOA_X
ClientSampled :

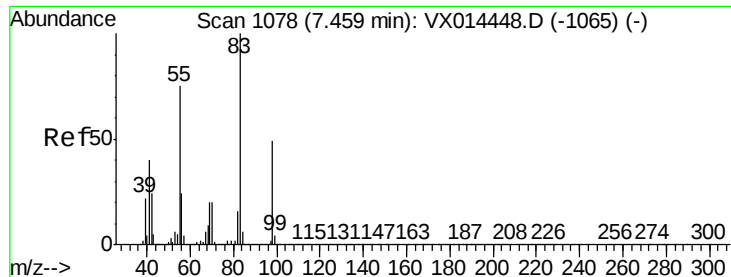
Tot Ion: 43 Resp: 183318
Ion Ratio Lower Upper
43 100
61 13.3 11.1 16.7
70 10.5 8.9 13.3



#38
Carbon Tetrachloride
Concen: 20.851 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 117 Resp: 158894
Ion Ratio Lower Upper
117 100
119 91.3 73.8 110.8
121 29.6 23.4 35.0

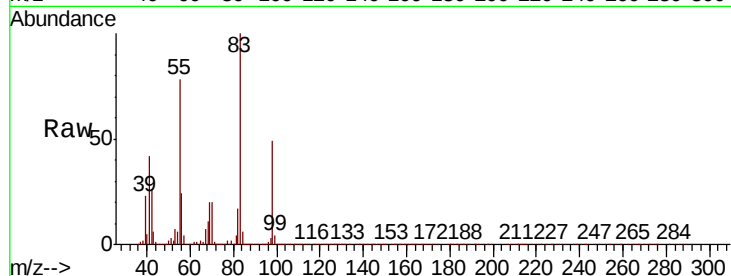




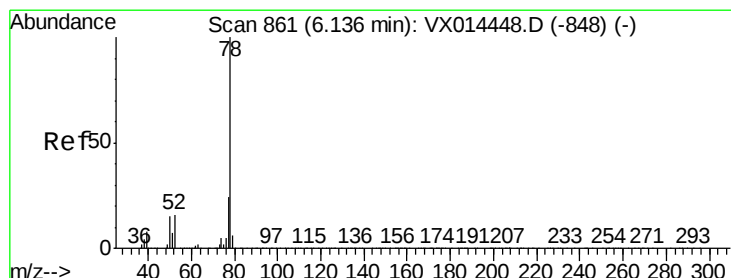
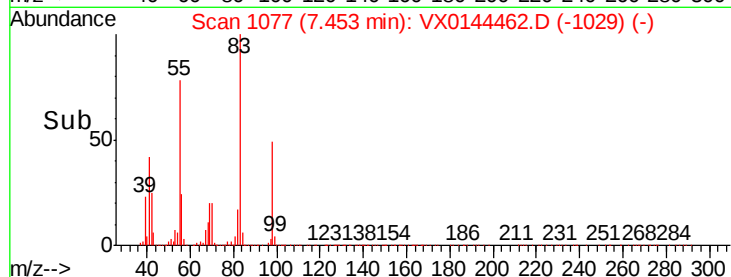
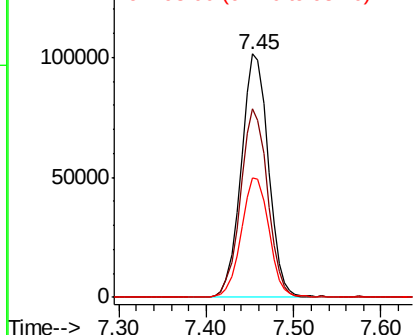
#39
Methvlcvclohexane
Concen: 21.009 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	59.7	89.5
98	48.9	39.1	58.7

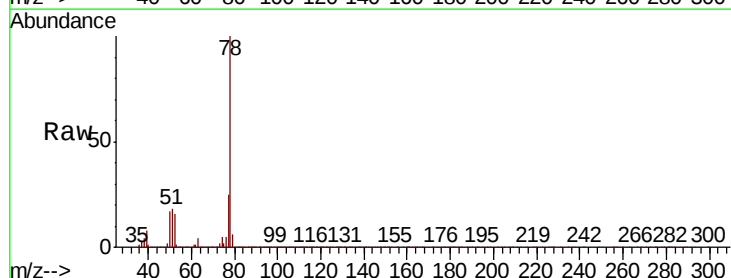


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

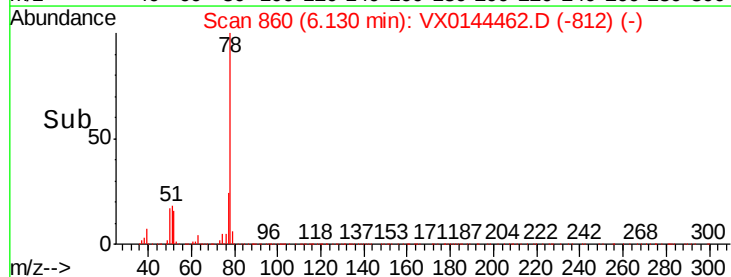
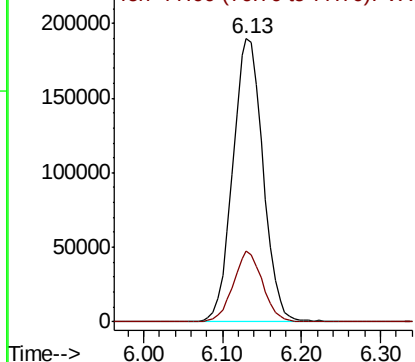


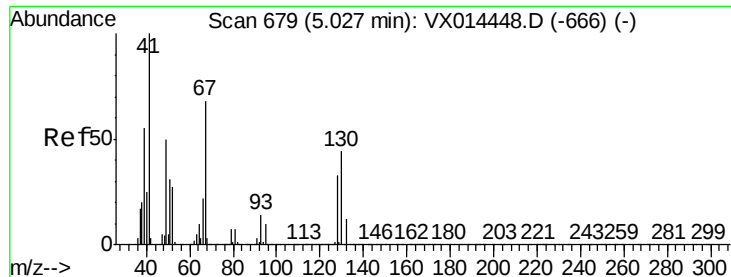
#40
Benzene
Concen: 20.612 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3



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

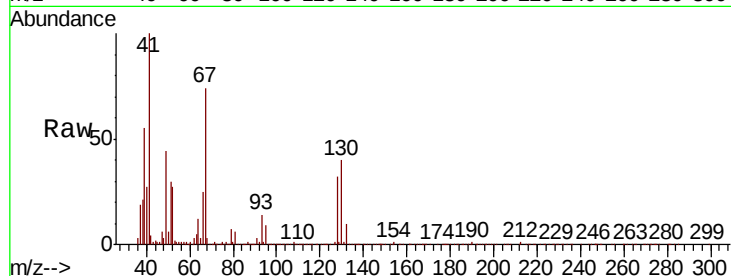




#41
Methacrylonitrile
Concen: 21.119 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	101301
Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.6	65.4
67	70.5	57.9	86.9
52	28.9	23.0	34.6



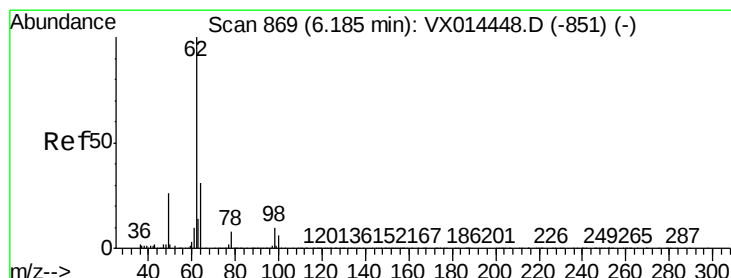
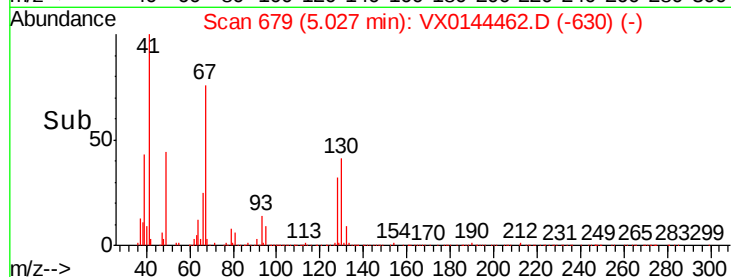
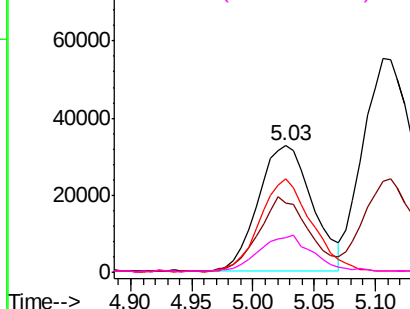
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

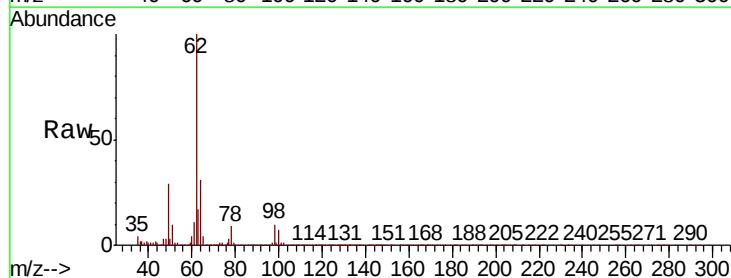
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

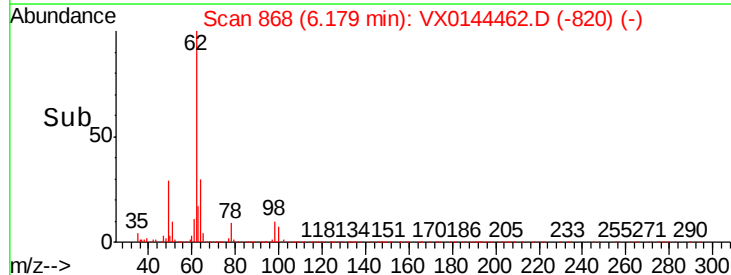
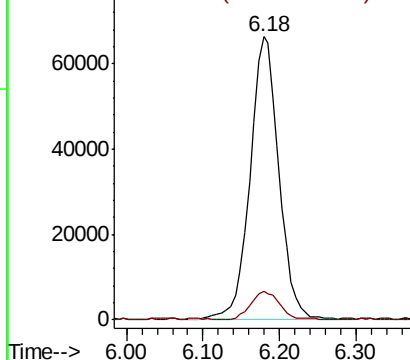
Tgt Ion:	62	Resp:	172265
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.4

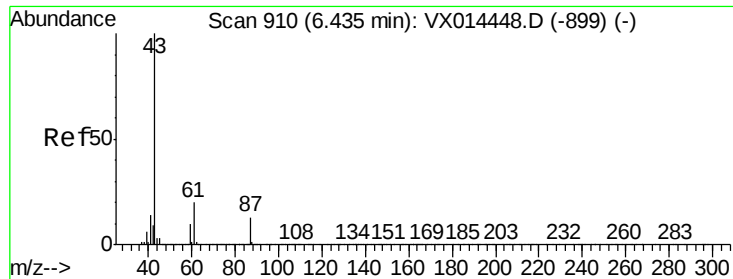


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



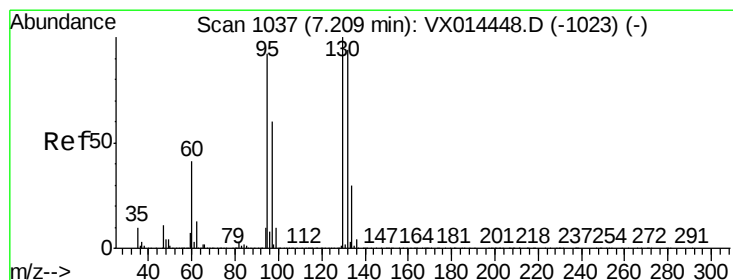
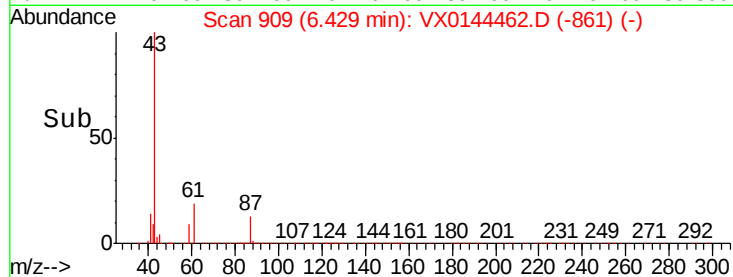
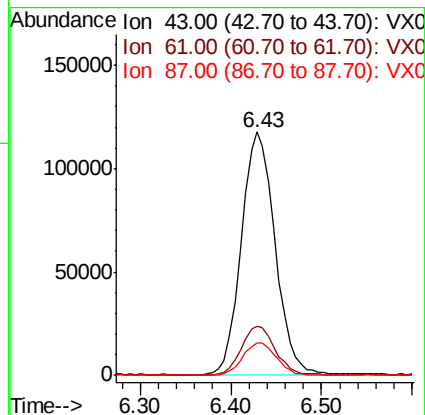
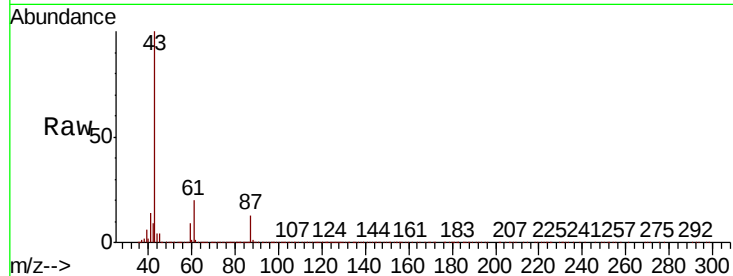


#43

Isopropyl Acetate
 Concen: 20.787 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Instrument :
 MSVOA_X
 ClientSampleId :

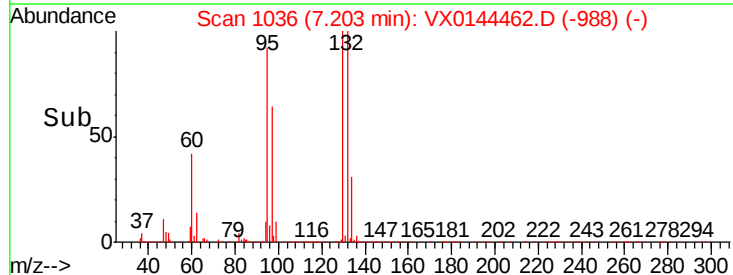
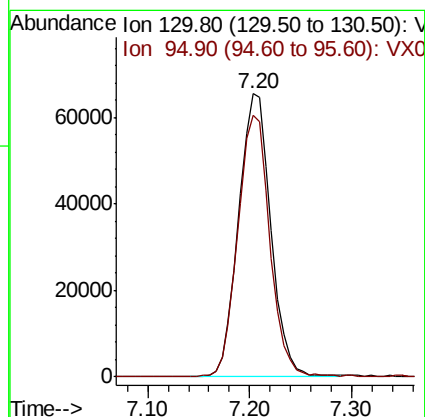
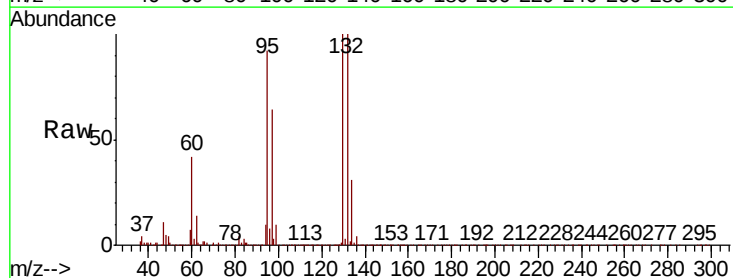
Tot Ion: 43 Resp: 302050
 Ion Ratio Lower Upper
 43 100
 61 20.0 16.6 24.8
 87 13.1 10.8 16.2

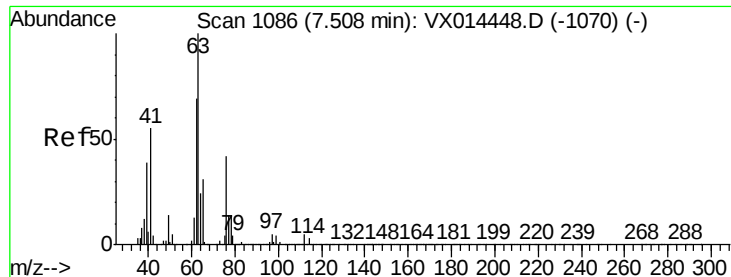


#44

Trichloroethene
 Concen: 20.247 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion: 130 Resp: 143007
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 184.2





#45

1,2-Dichloropropane

Concen: 20.884 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

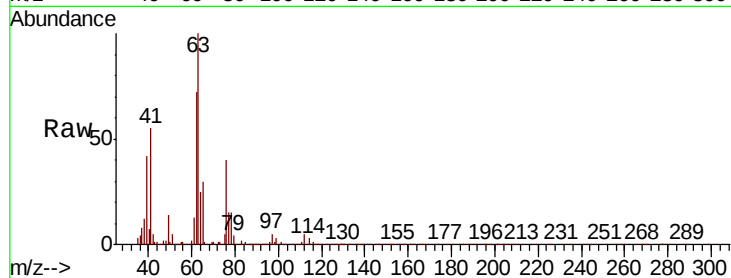
ClientSampleId :

Tot Ion: 63 Resp: 130860

Ion Ratio Lower Upper

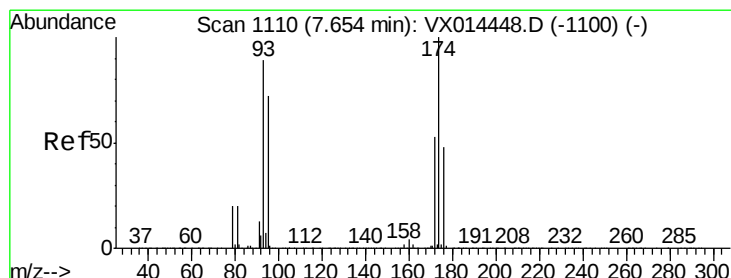
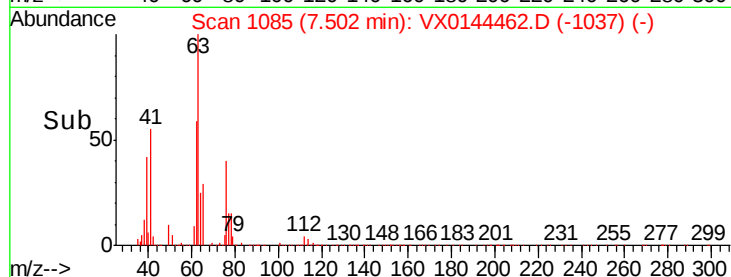
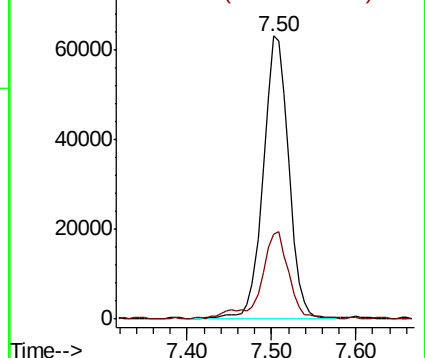
63 100

65 29.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.201 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

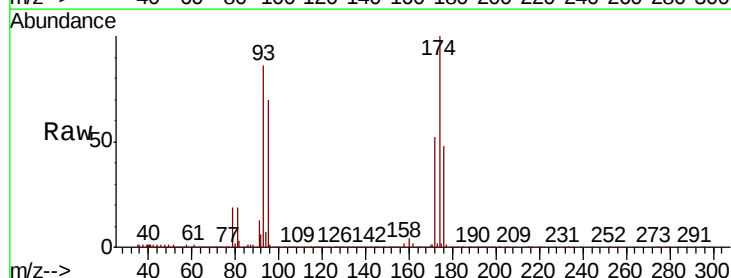
Tgt Ion: 93 Resp: 83974

Ion Ratio Lower Upper

93 100

95 82.9 65.4 98.2

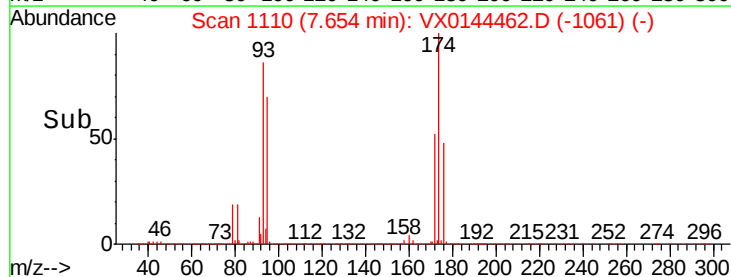
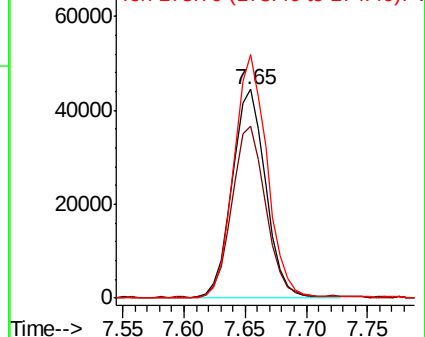
174 116.9 93.0 139.4

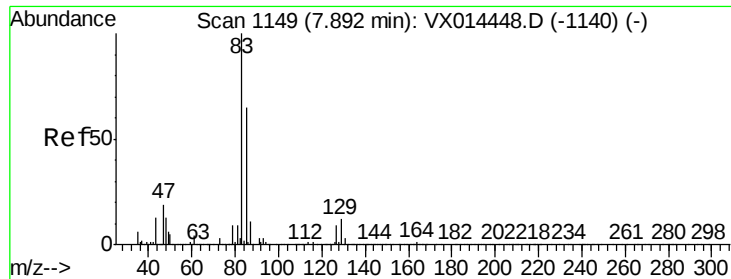


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.766 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

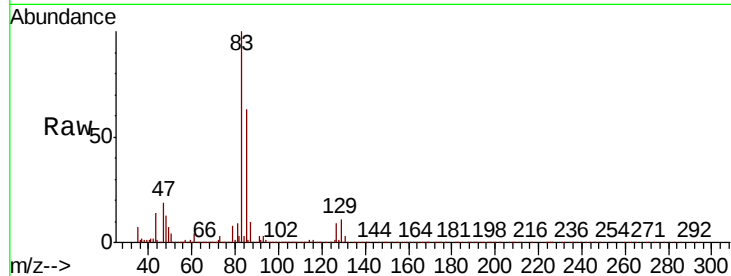
Tot Ion: 83 Resp: 165256

Ion Ratio Lower Upper

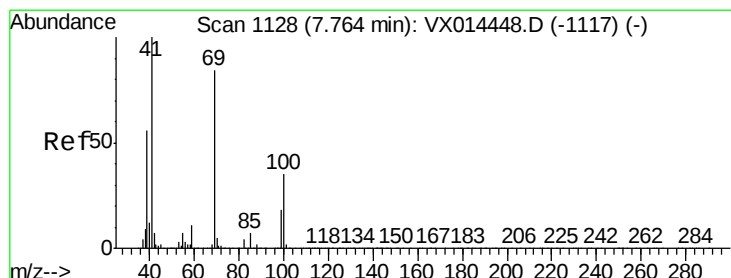
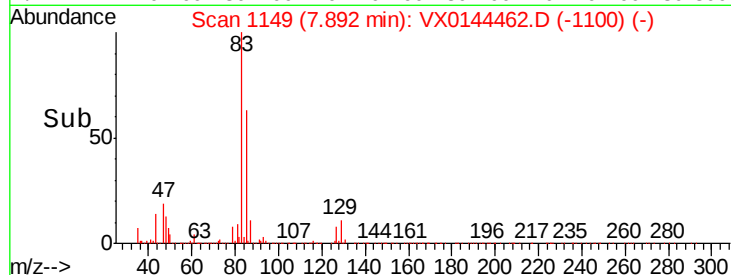
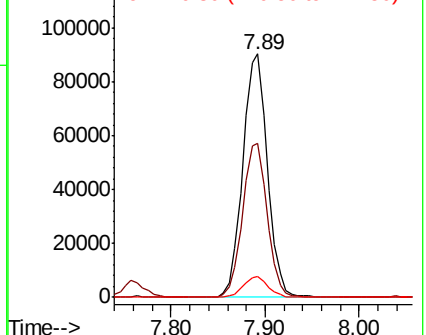
83 100

85 63.0 51.7 77.5

127 8.4 7.1 10.7



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: 21.077 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

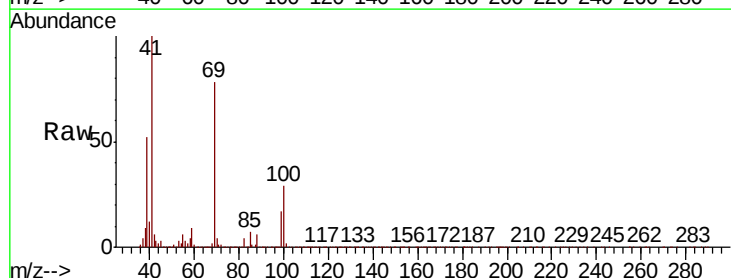
Tgt Ion: 41 Resp: 146683

Ion Ratio Lower Upper

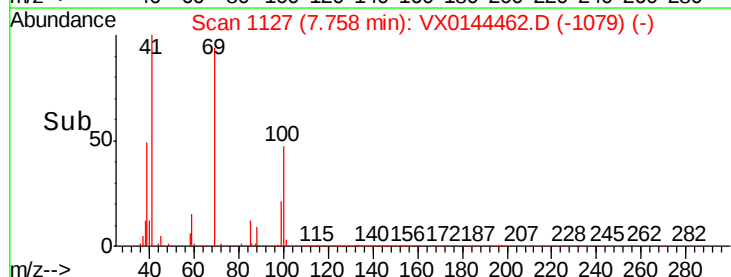
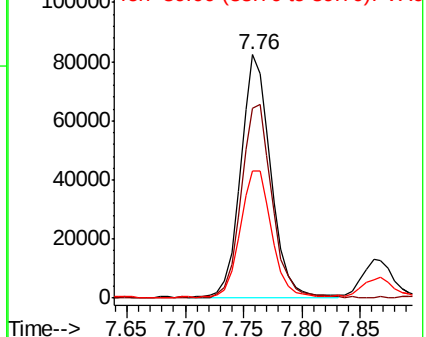
41 100

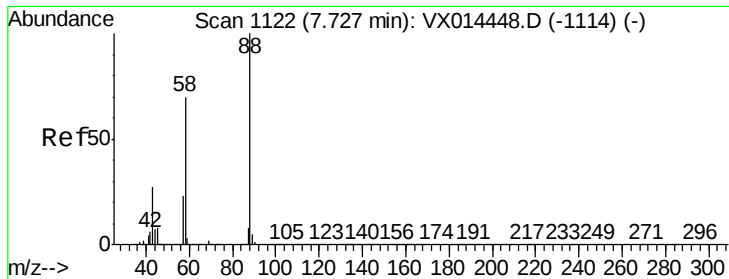
69 82.0 65.5 98.3

39 54.7 43.9 65.9



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: 410.123 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

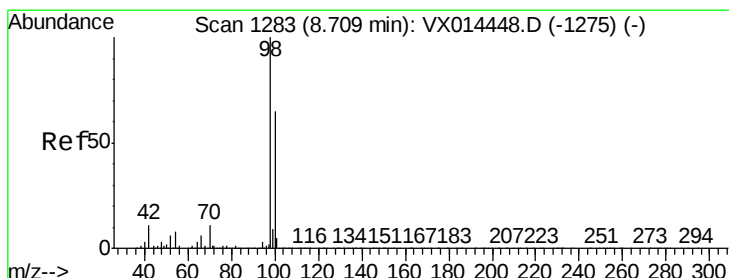
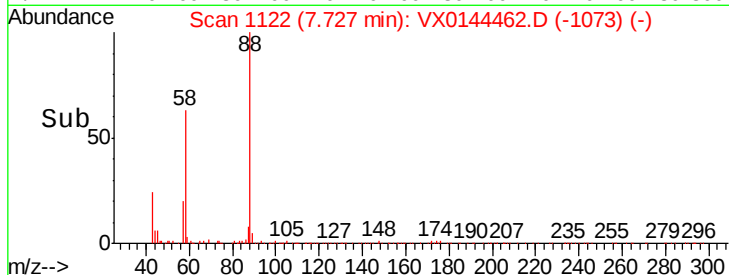
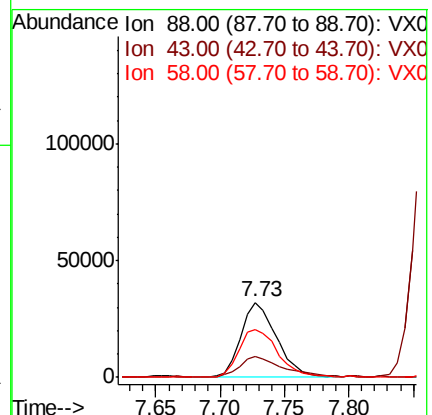
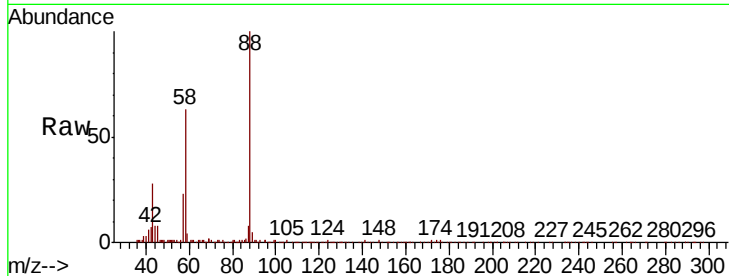
Tot Ion: 88 Resp: 60477

Ion Ratio Lower Upper

88 100

43 35.5 27.4 41.0

58 69.9 57.1 85.7



#50

Toluene-d8

Concen: 51.784 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0144462.D

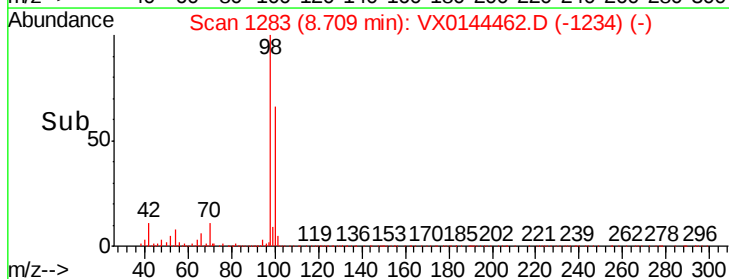
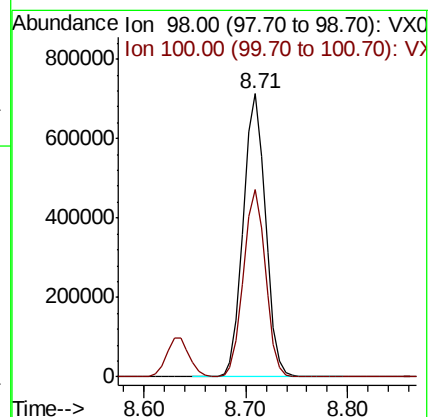
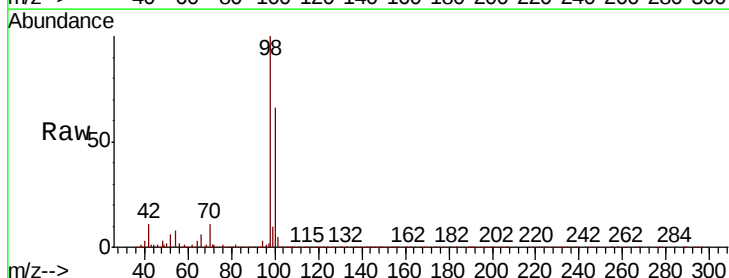
Acq: 08 Jan 2020 11:32

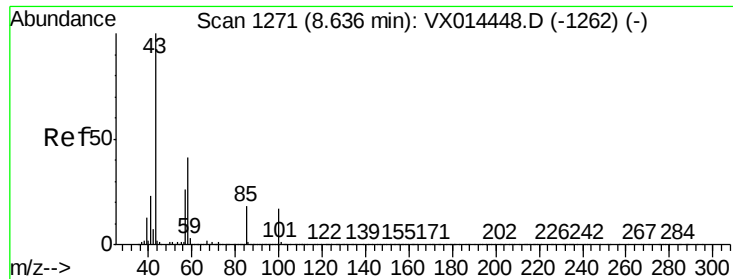
Tgt Ion: 98 Resp: 1071191

Ion Ratio Lower Upper

98 100

100 65.7 53.2 79.8

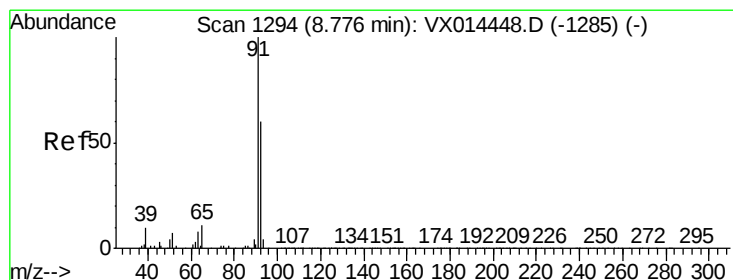
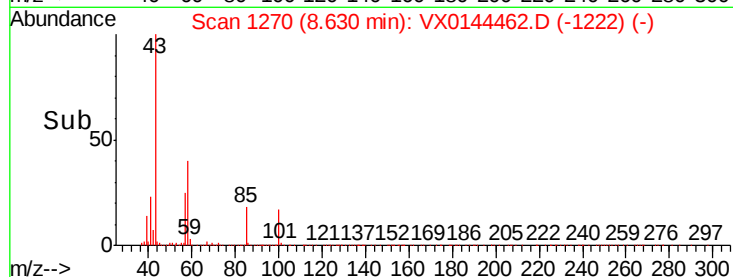
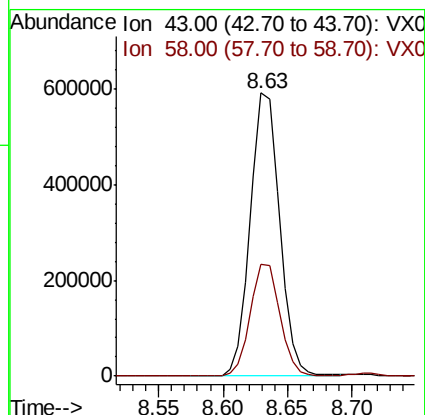
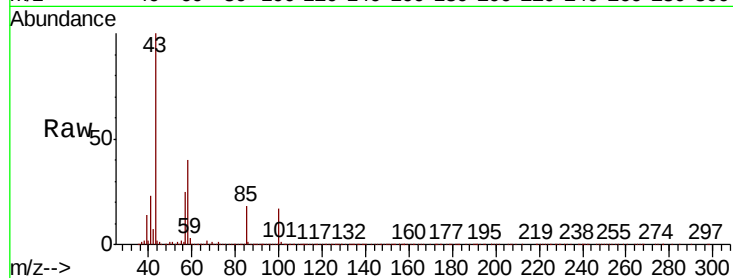




#51
4-Methyl-2-Pentanone
Concen: 105.102 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

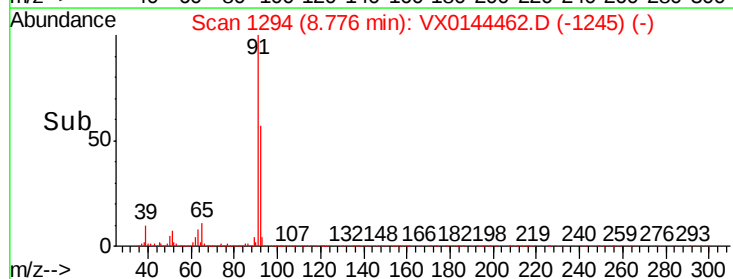
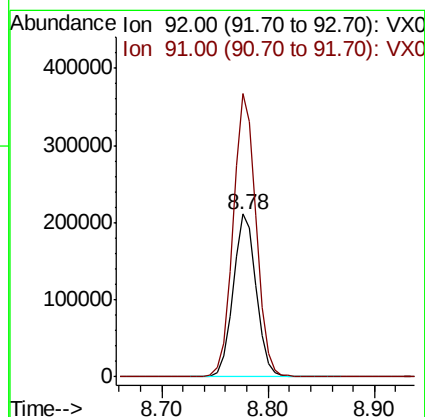
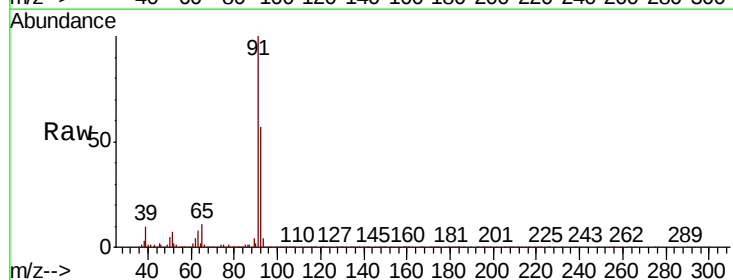
Instrument :
MSVOA_X
ClientSampleId :

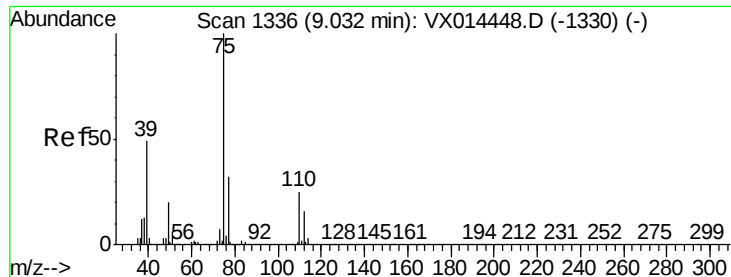
Tot Ion: 43 Resp: 930615
Ion Ratio Lower Upper
43 100
58 39.8 32.4 48.6



#52
Toluene
Concen: 20.262 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 92 Resp: 318784
Ion Ratio Lower Upper
92 100
91 173.4 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 19.882 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

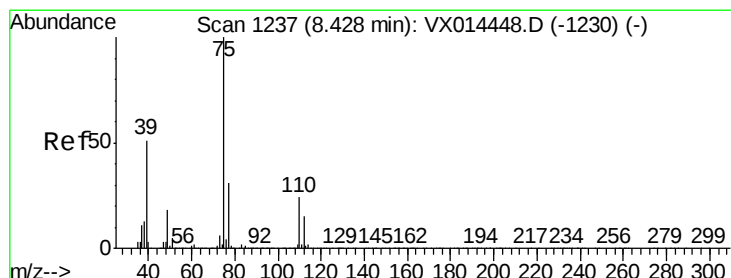
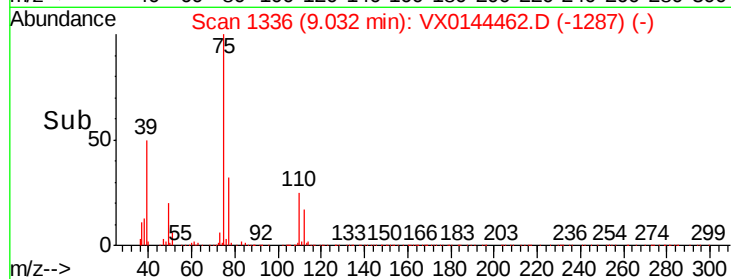
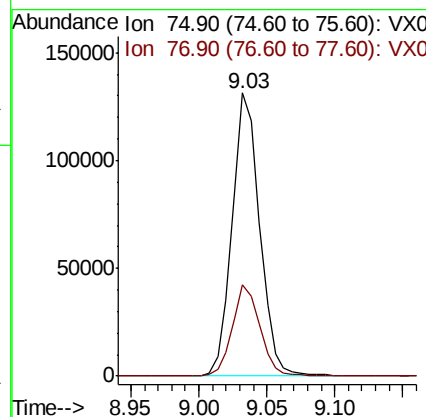
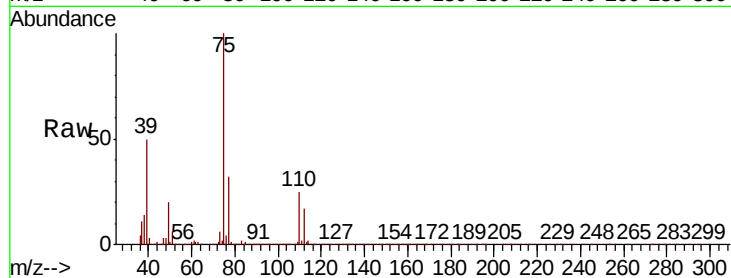
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 184200

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.455 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

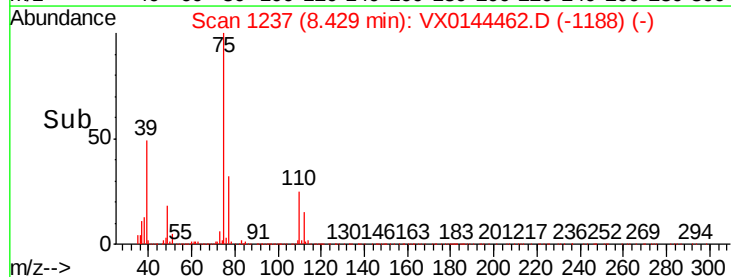
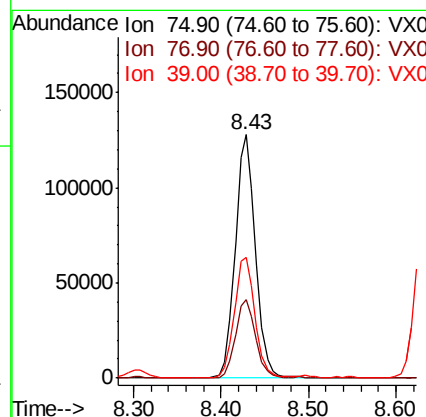
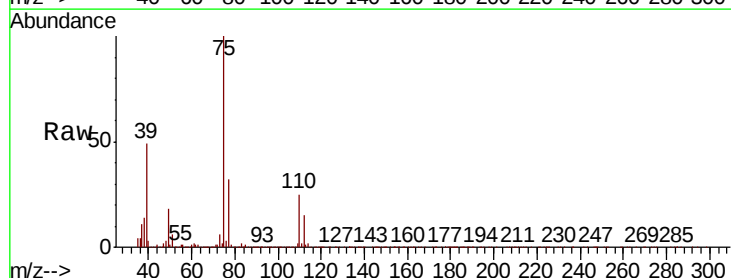
Tgt Ion: 75 Resp: 204723

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 49.4 40.7 61.1

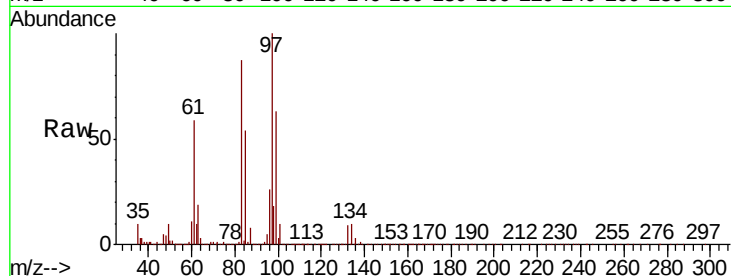




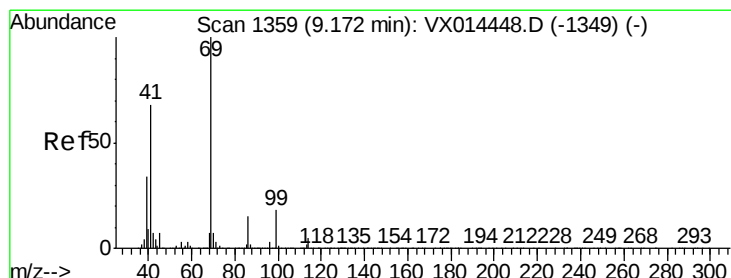
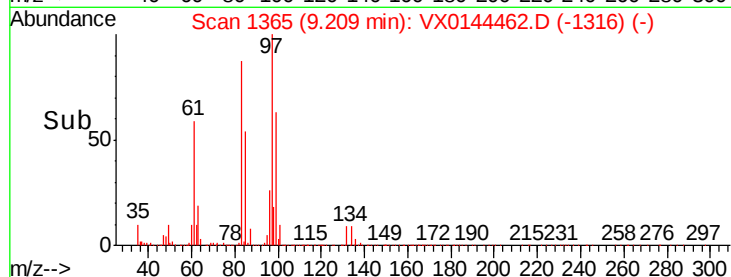
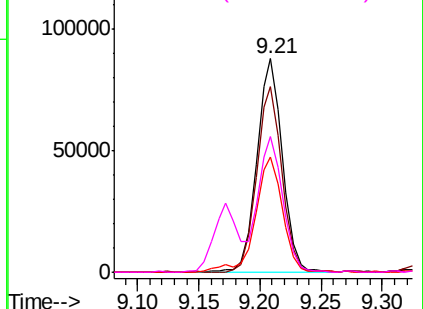
#55
 1,1,2-Trichloroethane
 Concen: 20.218 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	127763
Ion	Ratio	Lower	Upper
97	100		
83	86.9	66.4	99.6
85	53.5	43.4	65.2
99	63.0	49.6	74.4

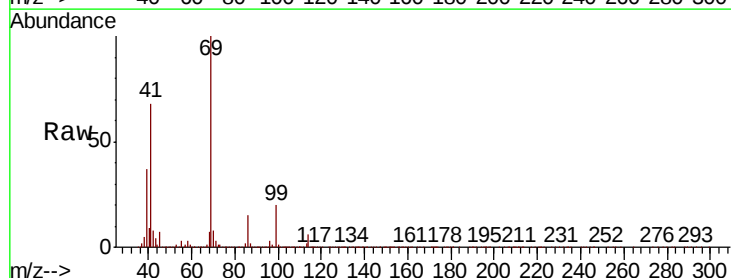


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

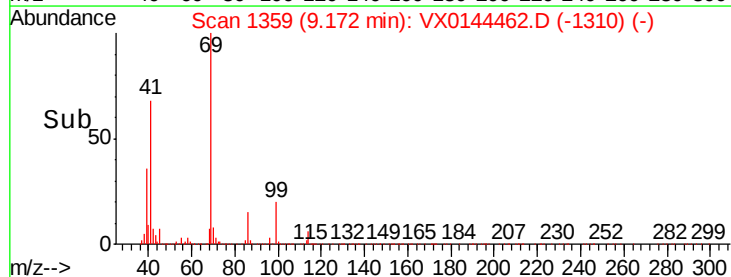
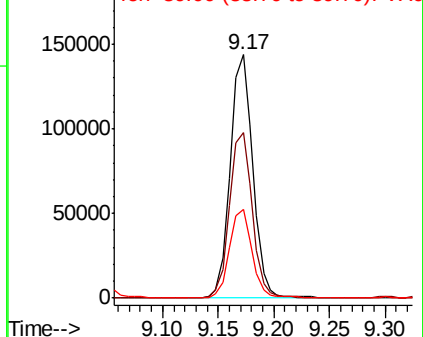


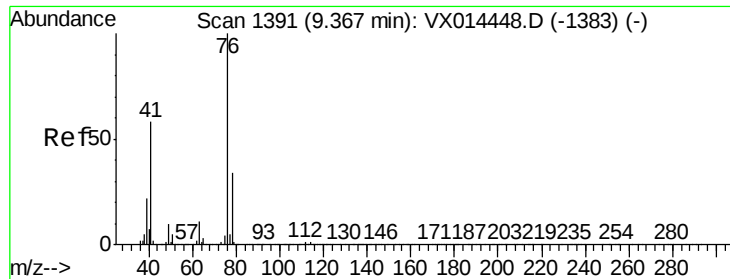
#56
 Ethyl methacrylate
 Concen: 20.716 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion:	69	Resp:	200565
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.2	81.2
39	36.1	28.2	42.2



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.547 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

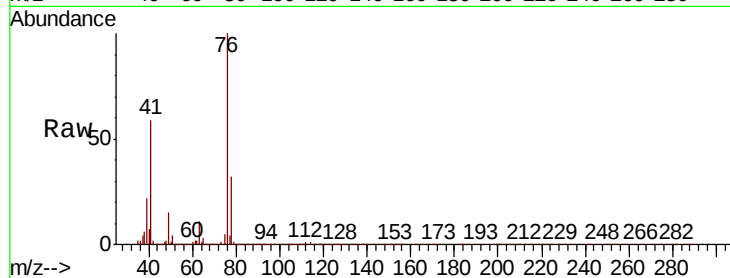
ClientSampleId :

Tot Ion: 76 Resp: 217099

Ion Ratio Lower Upper

76 100

78 32.3 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

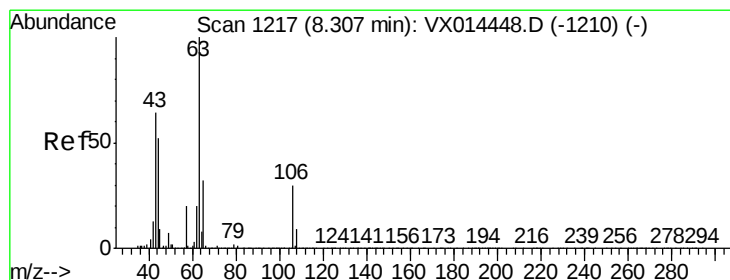
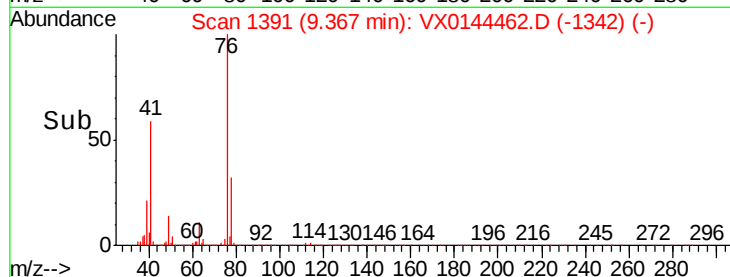
100000

50000

0

Time-->

9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 94.348 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX0144462.D

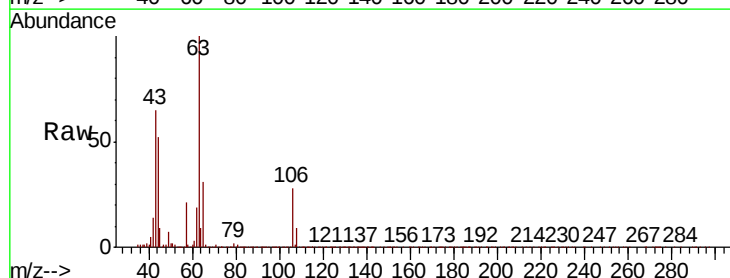
Acq: 08 Jan 2020 11:32

Tgt Ion: 63 Resp: 310783

Ion Ratio Lower Upper

63 100

106 28.7 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

200000

150000

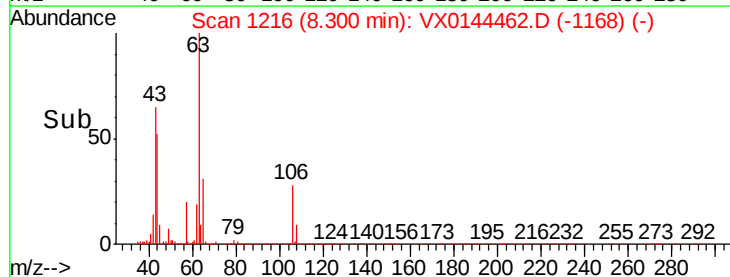
100000

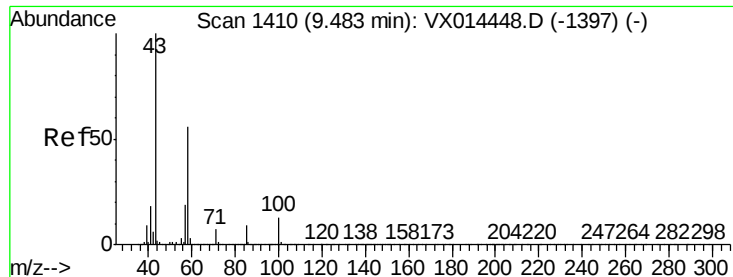
50000

0

Time-->

8.20 8.30 8.40

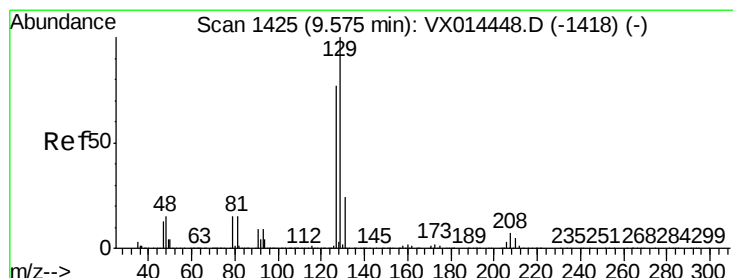
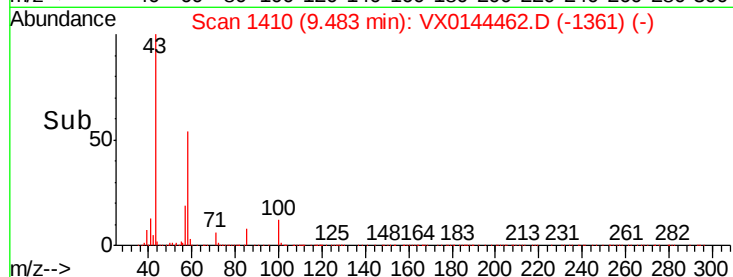
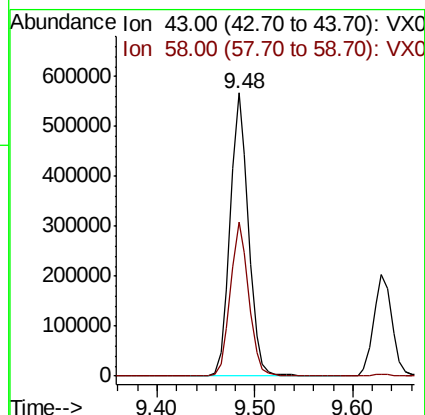
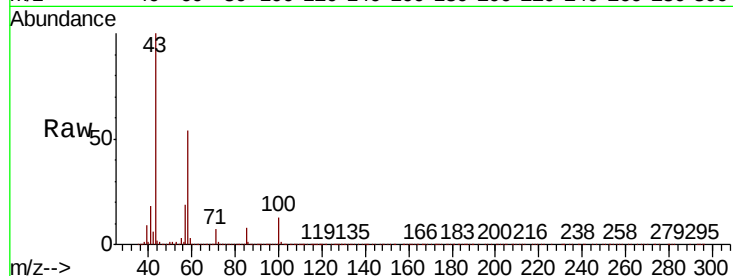




#59
2-Hexanone
Concen: 104.885 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

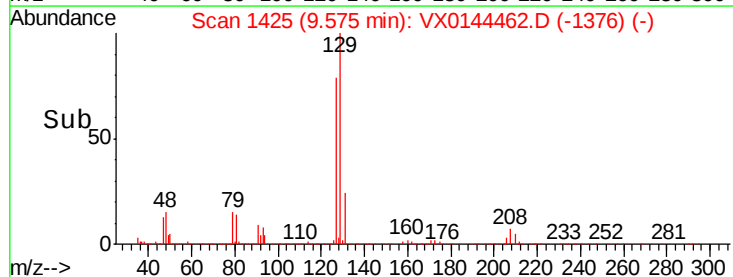
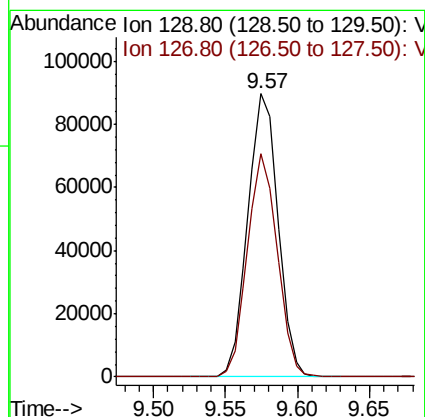
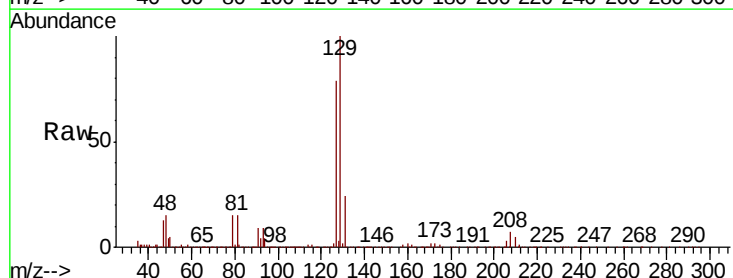
Instrument :
MSVOA_X
ClientSampleId :

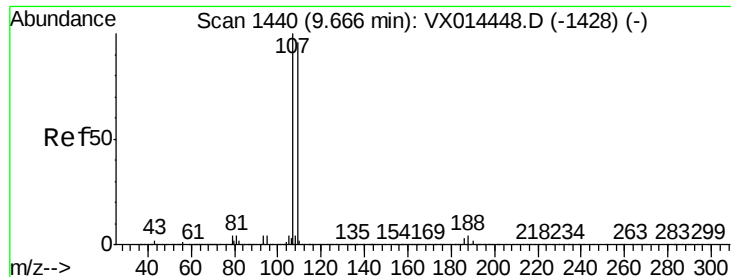
Tot Ion: 43 Resp: 734826
Ion Ratio Lower Upper
43 100
58 54.7 27.9 83.7



#60
Dibromochloromethane
Concen: 20.485 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion: 129 Resp: 130115
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.006 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

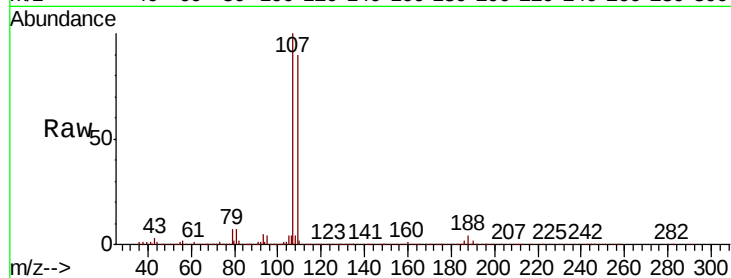
ClientSampled :

Tot Ion: 107 Resp: 133918

Ion Ratio Lower Upper

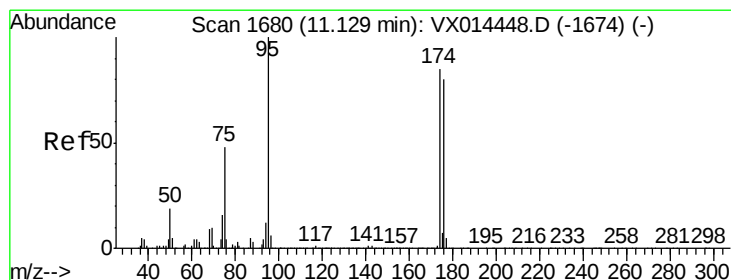
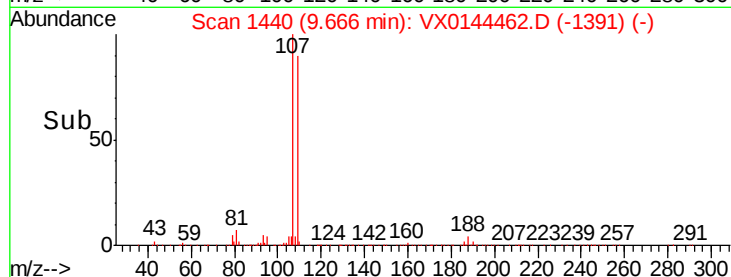
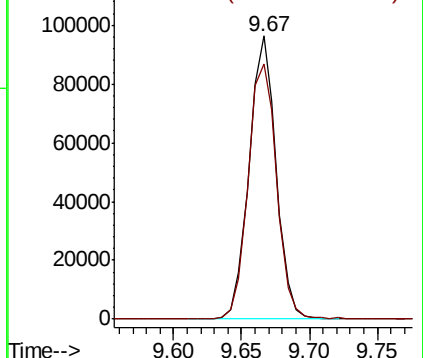
107 100

109 95.4 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.647 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

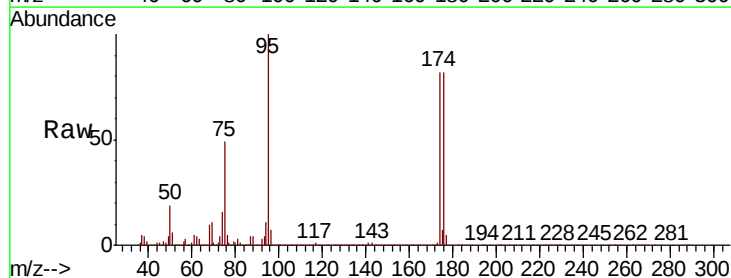
Tgt Ion: 95 Resp: 377018

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.8

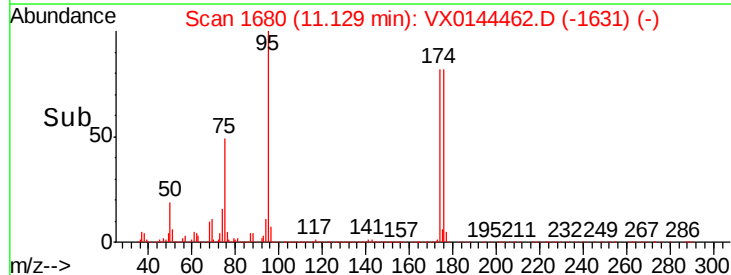
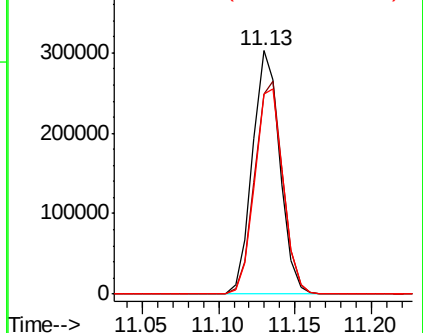
176 88.1 0.0 172.8

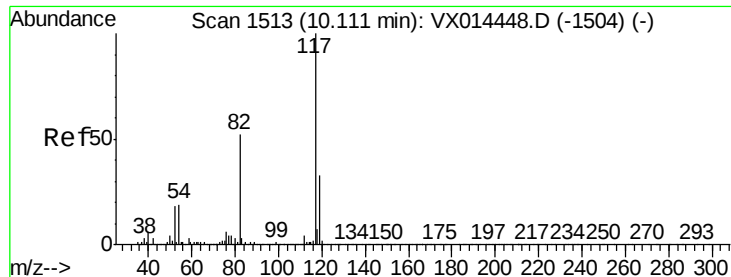


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

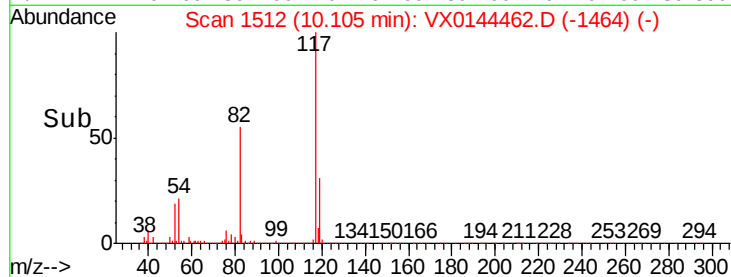
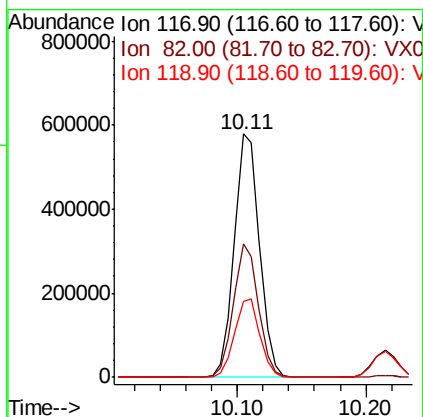
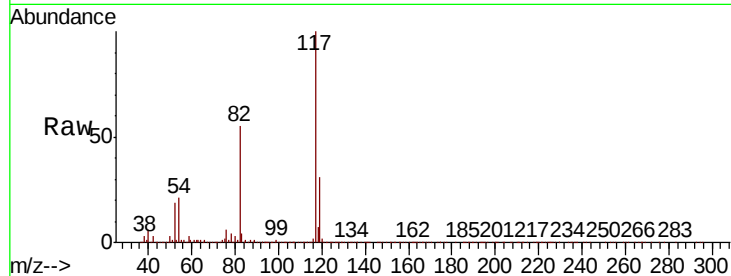




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

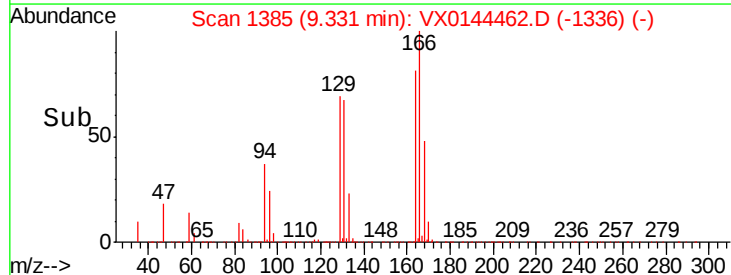
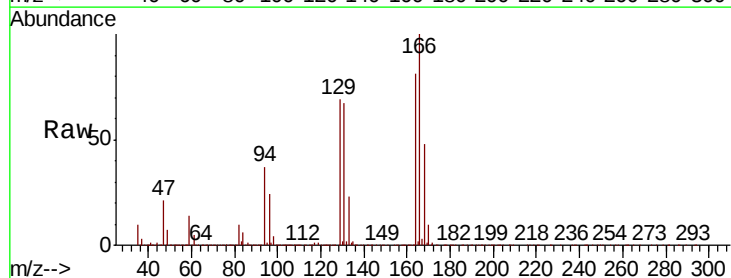
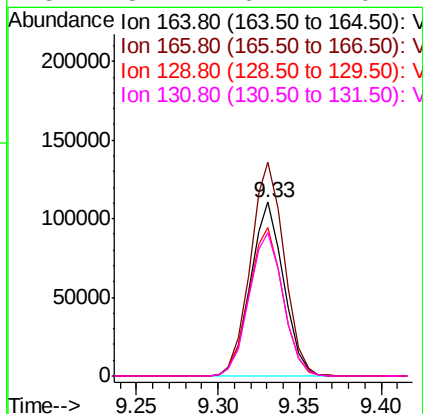
Instrument :
MSVOA_X
ClientSampleId :

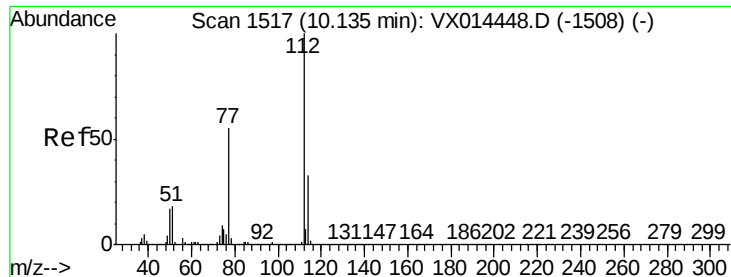
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.8	62.6
119	31.3	26.2	39.4



#64
Tetrachloroethene
Concen: 19.615 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.2	151.8
129	85.0	68.3	102.5
131	82.4	67.4	101.2

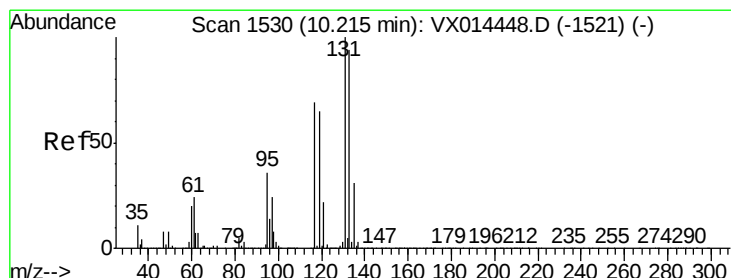
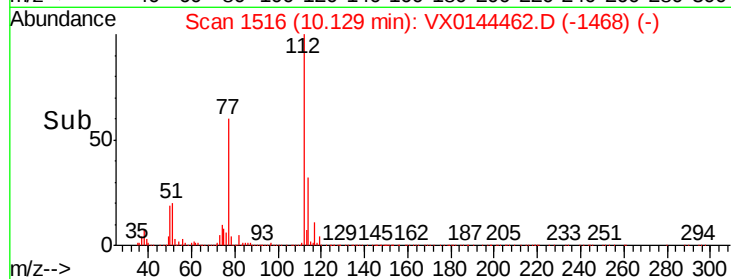
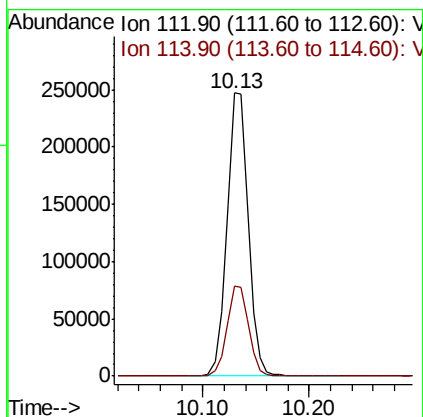
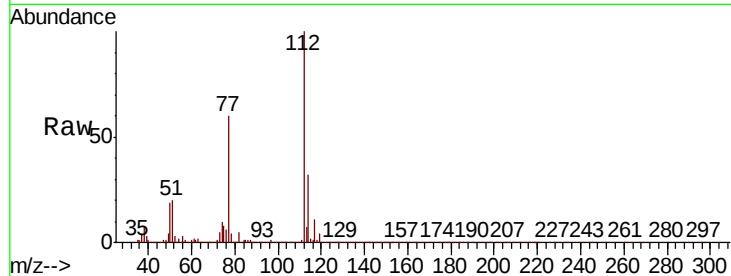




#65
Chlorobenzene
Concen: 20.115 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

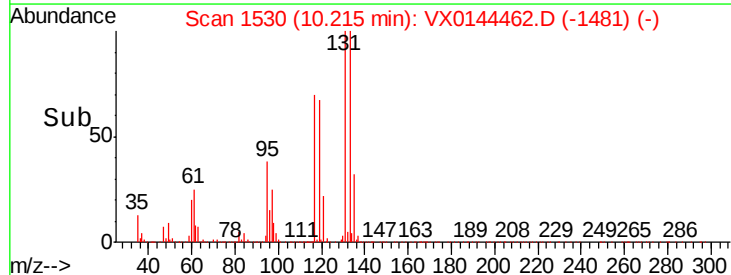
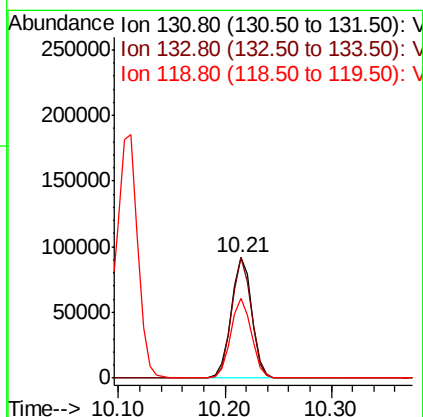
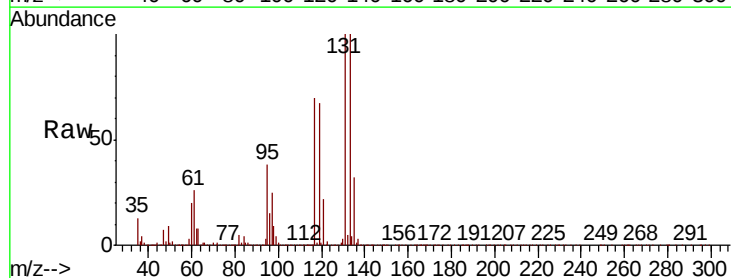
Instrument :
MSVOA_X
ClientSampleId :

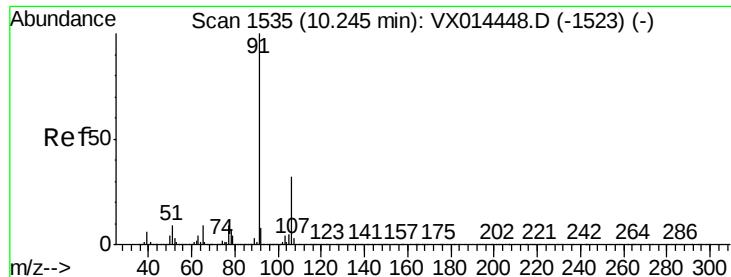
Tot Ion:112 Resp: 345661
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.283 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion:131 Resp: 124389
Ion Ratio Lower Upper
131 100
133 97.7 47.3 142.0
119 66.5 32.8 98.4





#67

Ethyl Benzene

Concen: 21.019 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

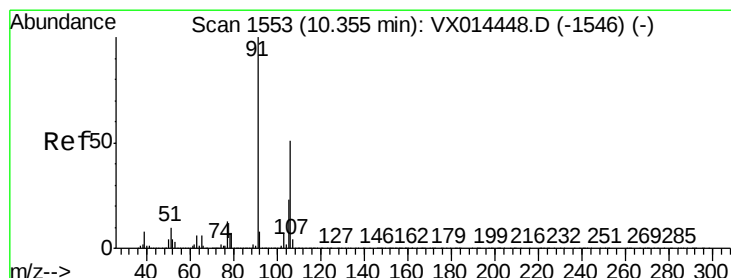
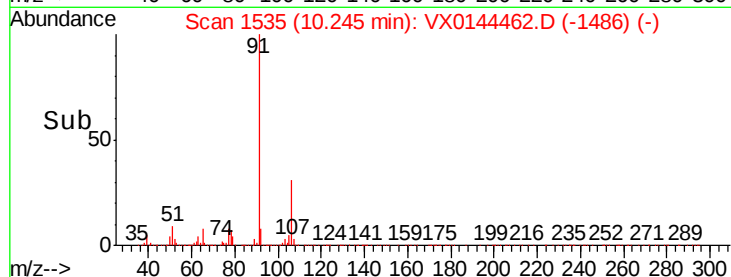
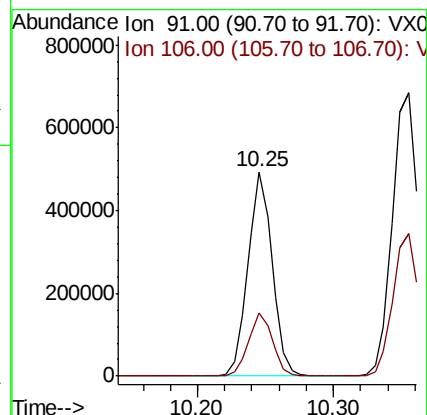
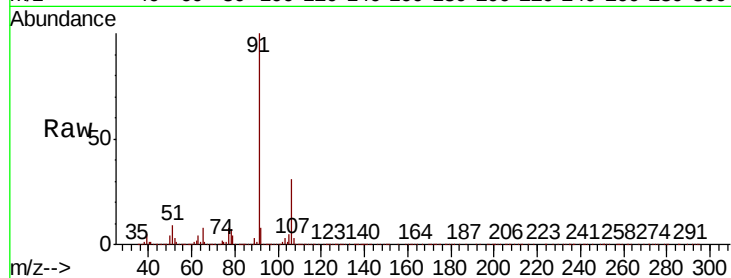
ClientSampleId :

Tot Ion: 91 Resp: 615646

Ion Ratio Lower Upper

91 100

106 30.8 25.6 38.4



#68

m/p-Xylenes

Concen: 40.925 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX0144462.D

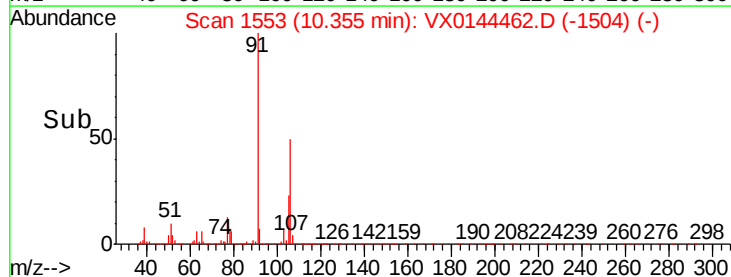
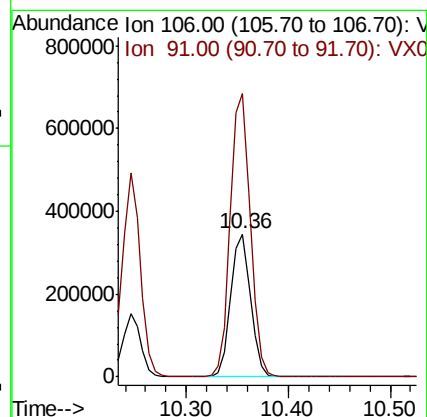
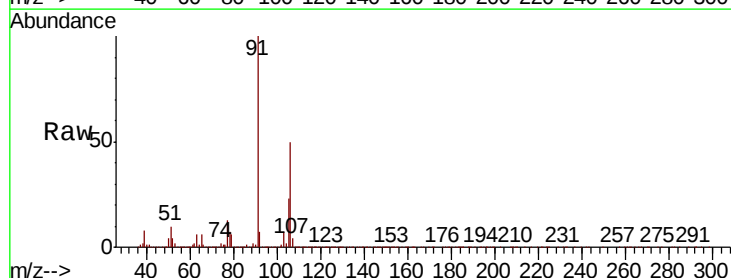
Acq: 08 Jan 2020 11:32

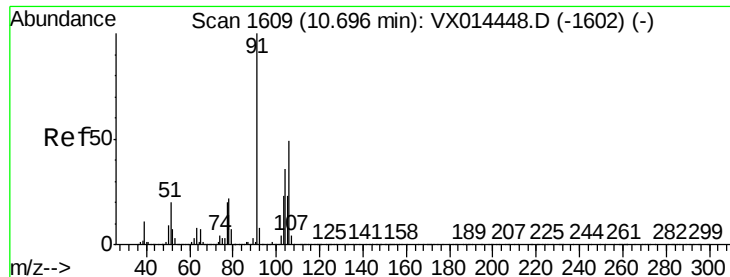
Tgt Ion: 106 Resp: 462445

Ion Ratio Lower Upper

106 100

91 200.0 157.4 236.0

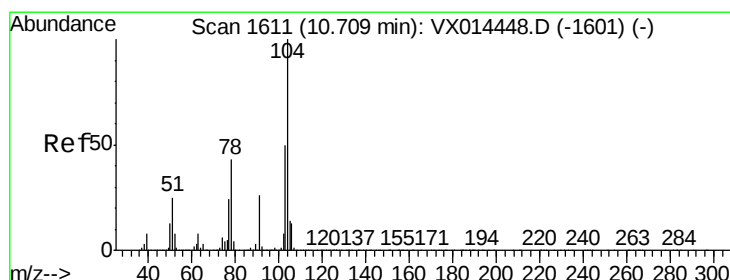
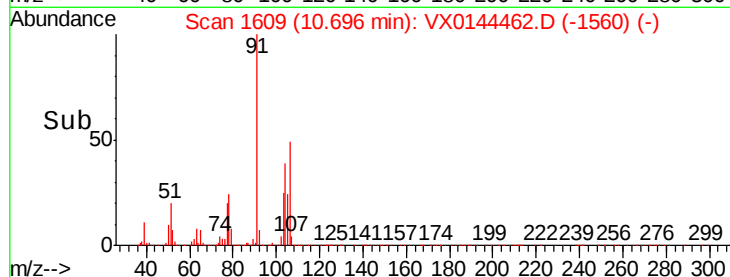
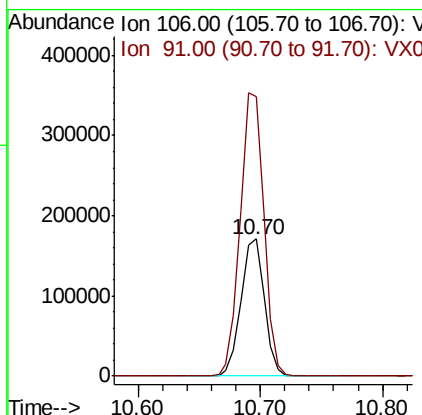
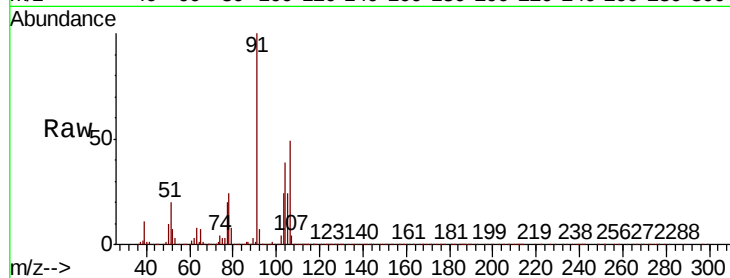




#69
o-Xylene
Concen: 20.917 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

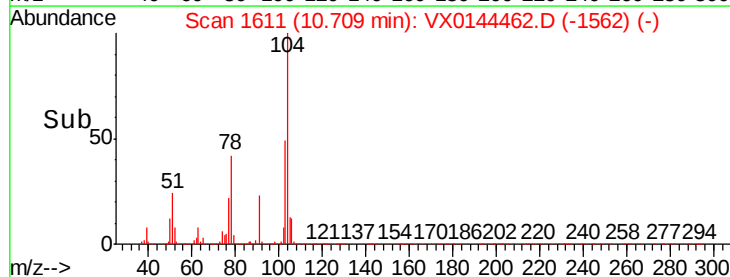
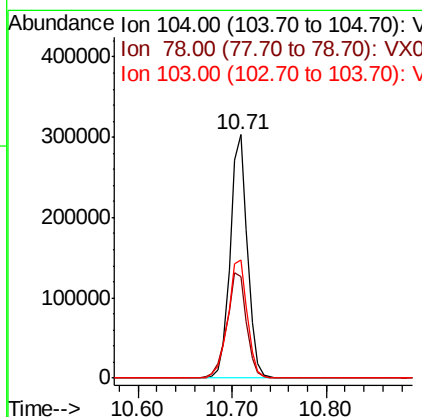
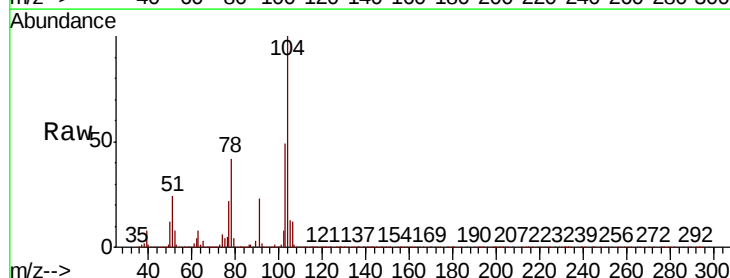
Instrument :
MSVOA_X
ClientSampleId :

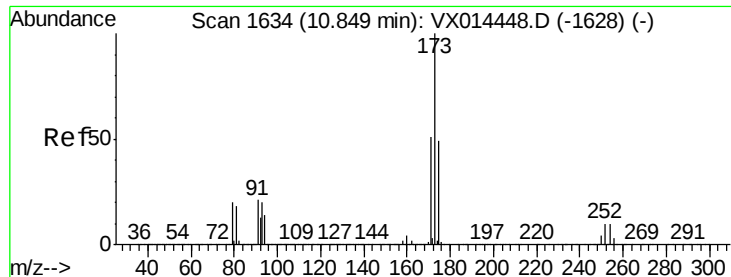
Tot Ion:106 Resp: 225516
Ion Ratio Lower Upper
106 100
91 209.6 105.1 315.1



#70
Styrene
Concen: 20.606 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion:104 Resp: 383397
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.5 43.7 65.5





#71

Bromoform

Concen: 20.039 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

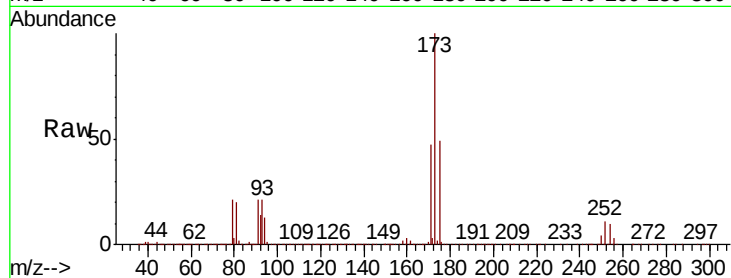
Tot Ion:173 Resp: 100545

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

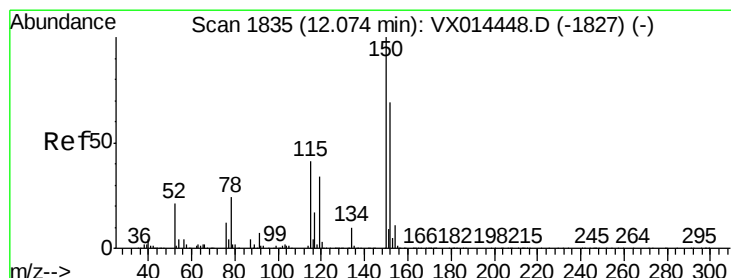
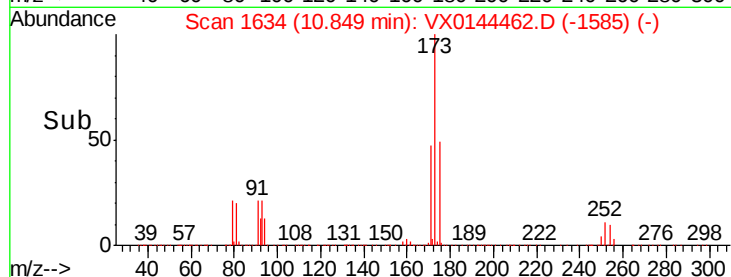
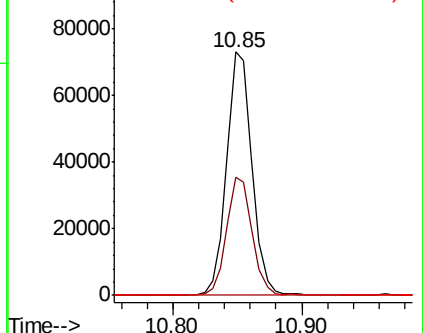
254 0.2 0.2 0.2



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: VX0144462.D

Acq: 08 Jan 2020 11:32

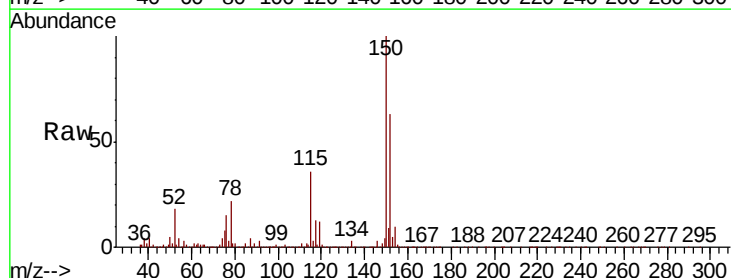
Tgt Ion:152 Resp: 401580

Ion Ratio Lower Upper

152 100

115 64.3 39.5 118.3

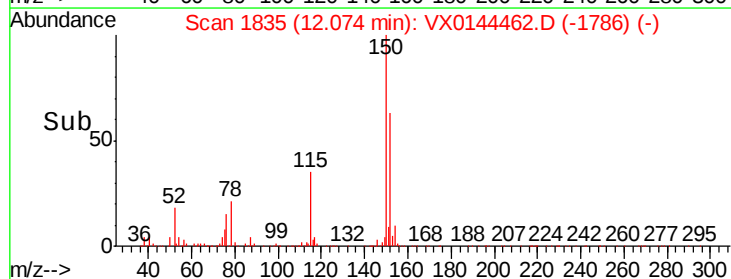
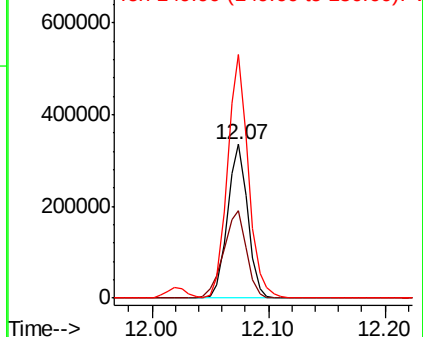
150 162.8 0.0 350.2

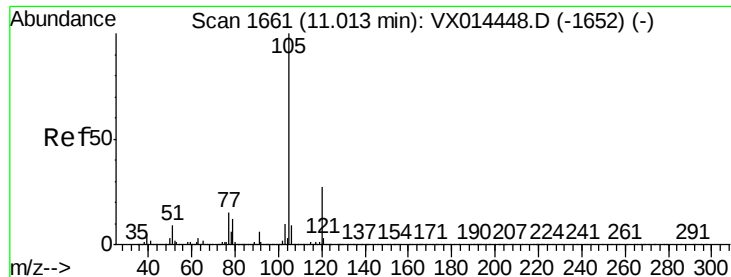


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.239 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

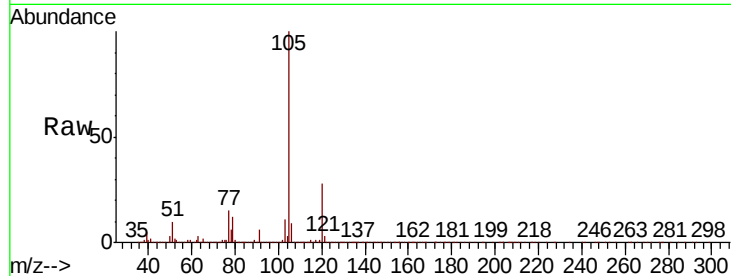
ClientSampleId :

Tot Ion:105 Resp: 598943

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

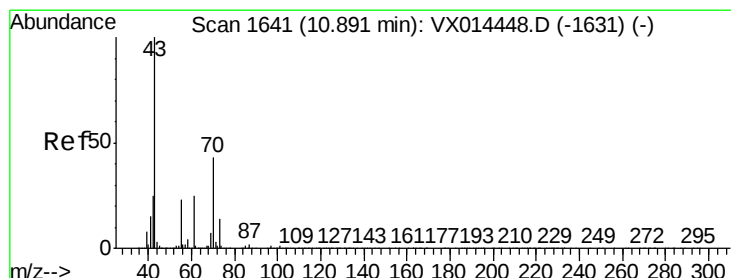
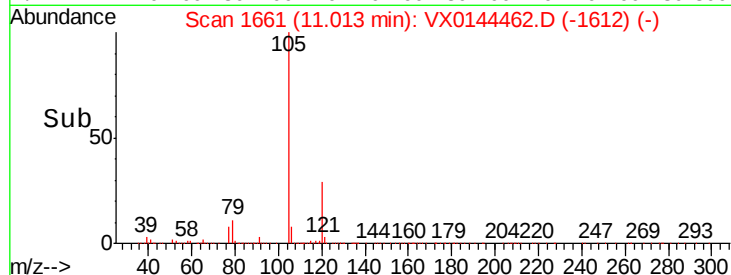
200000

100000

0

11.01

Time-->



#74

N-ethyl acetate

Concen: 21.024 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Tgt Ion: 43 Resp: 261571

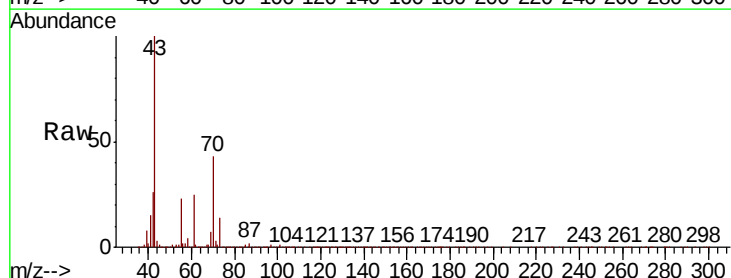
Ion Ratio Lower Upper

43 100

70 42.7 35.1 52.7

55 24.1 19.3 28.9

61 25.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

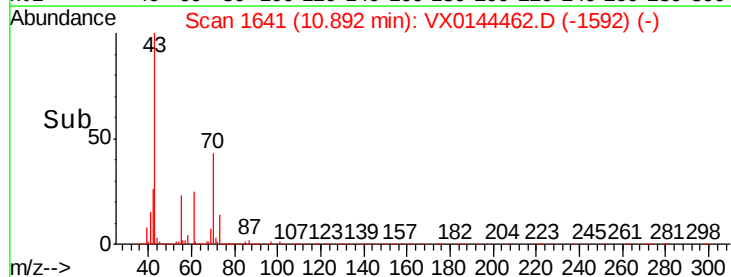
200000

100000

0

10.89

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.058 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

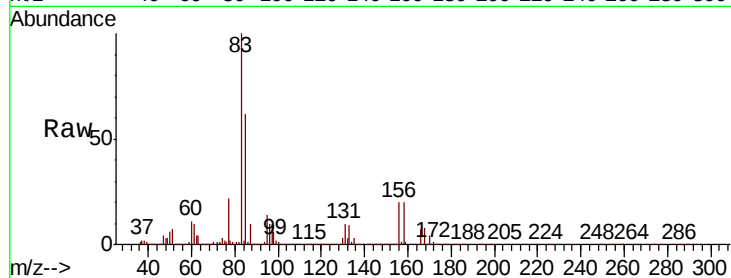
Tot Ion: 83 Resp: 190436

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

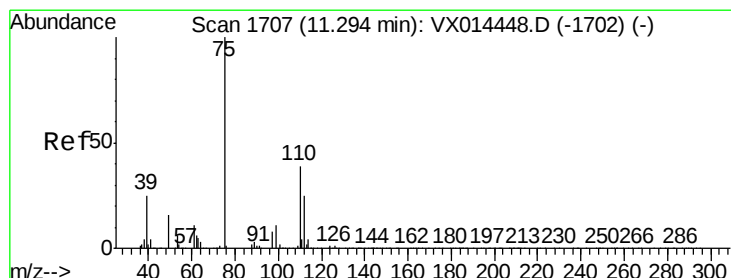
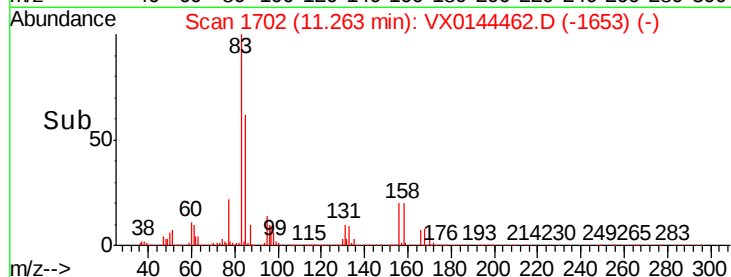
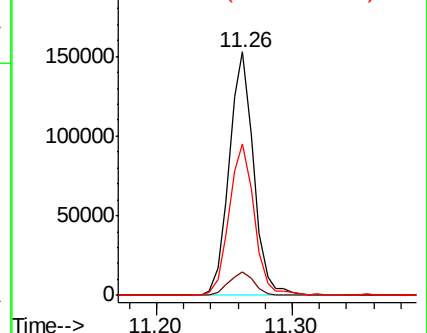
85 63.7 32.5 97.4



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: 25.897 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX0144462.D

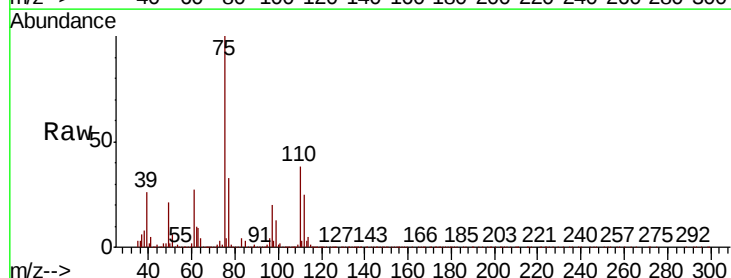
Acq: 08 Jan 2020 11:32

Tgt Ion: 75 Resp: 215170

Ion Ratio Lower Upper

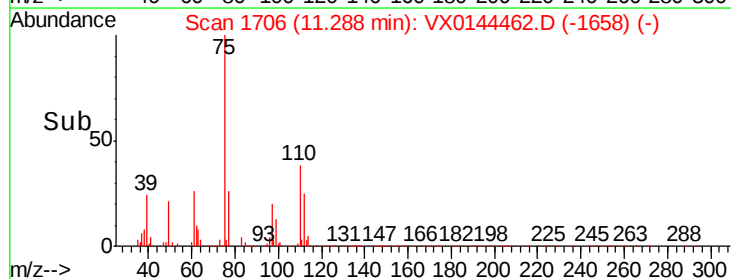
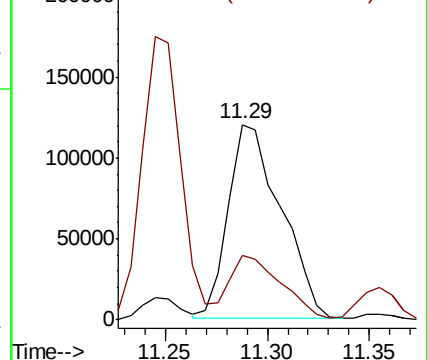
75 100

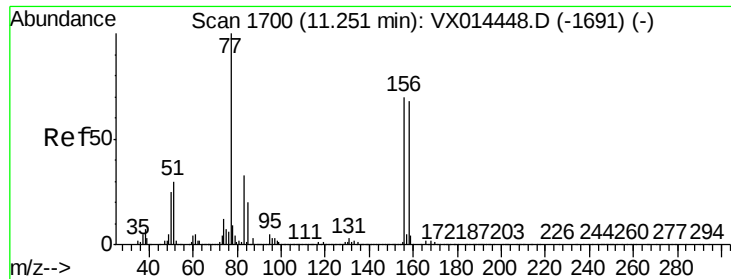
77 33.4 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.067 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

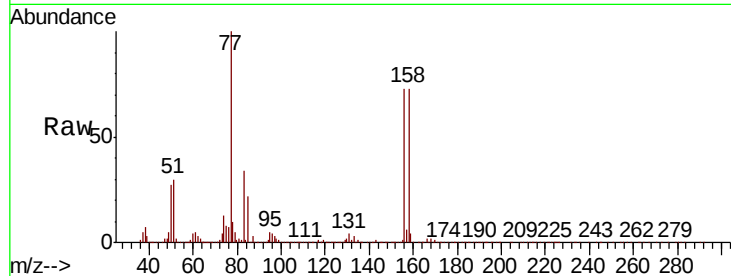
Tot Ion:156 Resp: 156932

Ion Ratio Lower Upper

156 100

77 146.8 75.4 226.3

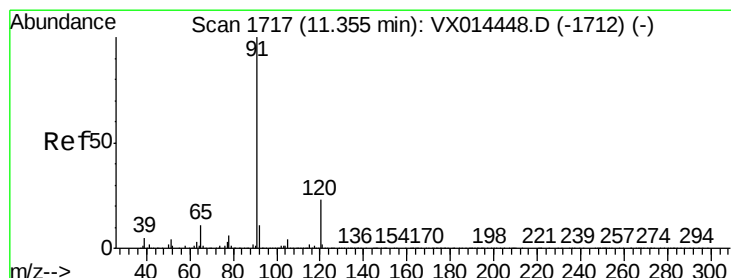
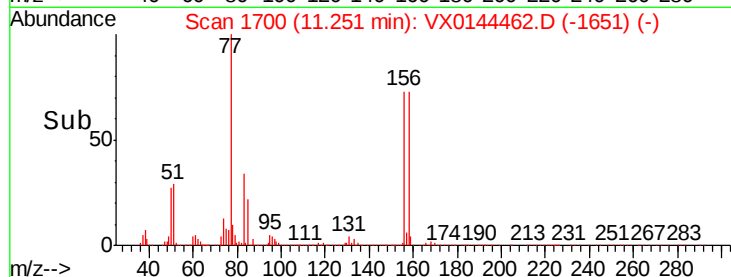
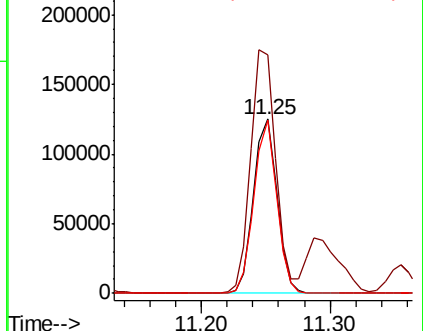
158 96.3 48.8 146.3



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: 21.232 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX0144462.D

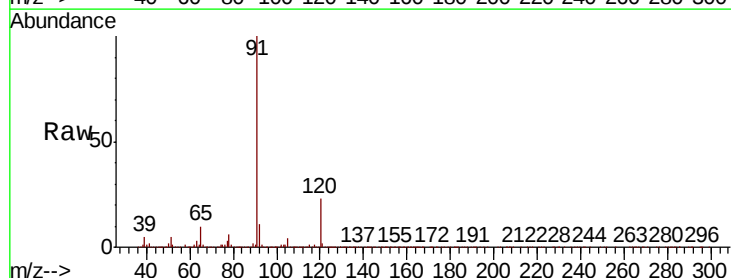
Acq: 08 Jan 2020 11:32

Tgt Ion: 91 Resp: 685698

Ion Ratio Lower Upper

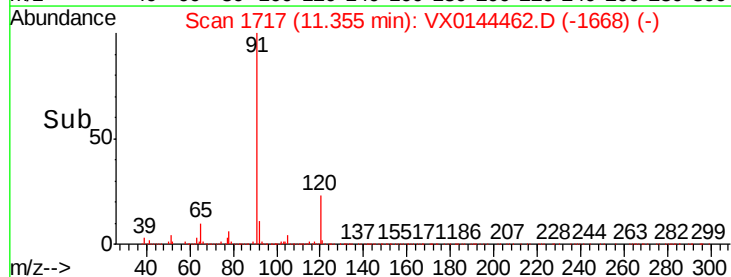
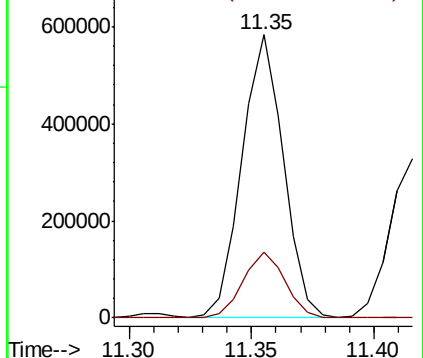
91 100

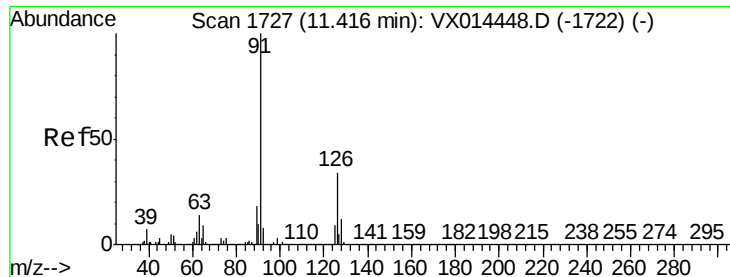
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

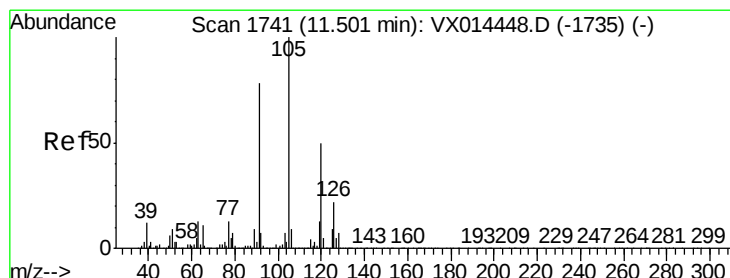
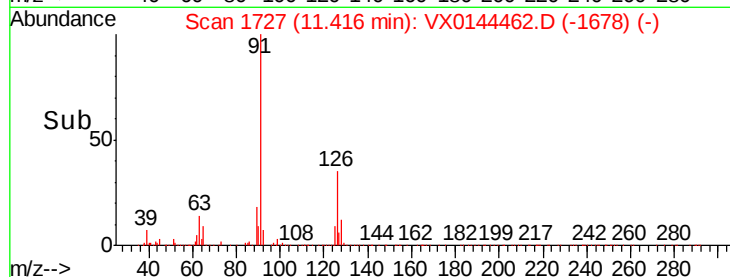
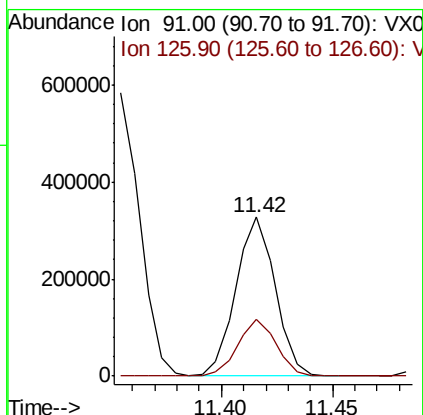
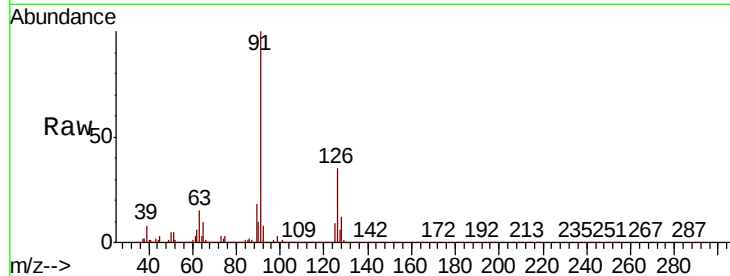




#79
 2-Chlorotoluene
 Concen: 20.946 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

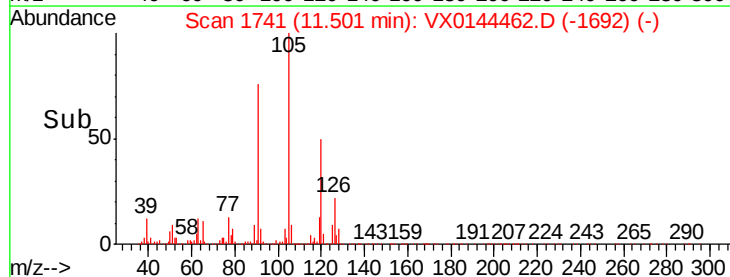
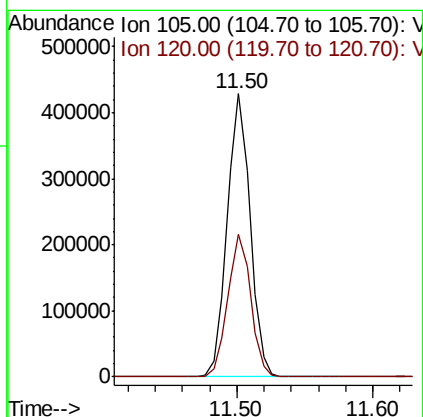
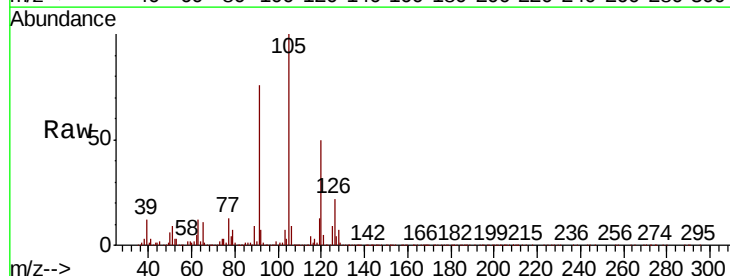
Instrument :
 MSVOA_X
 ClientSampleId :

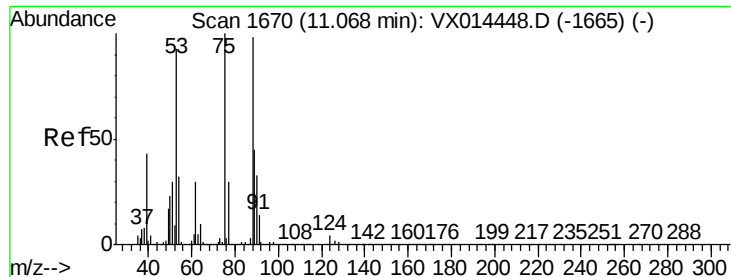
Tot Ion: 91 Resp: 403168
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.334 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion: 105 Resp: 499479
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.774 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

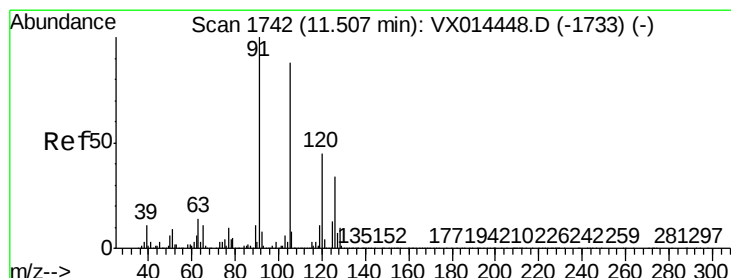
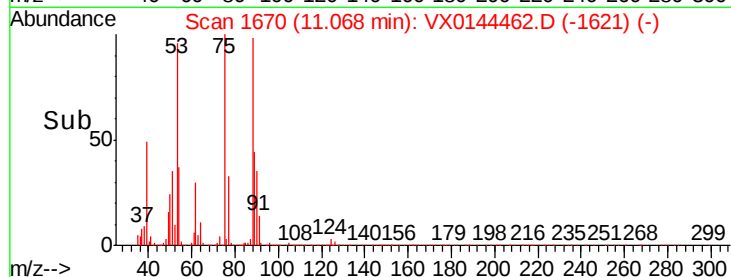
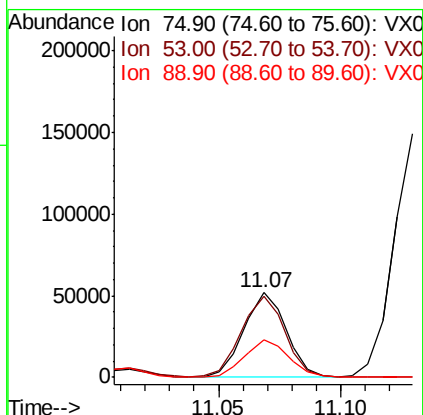
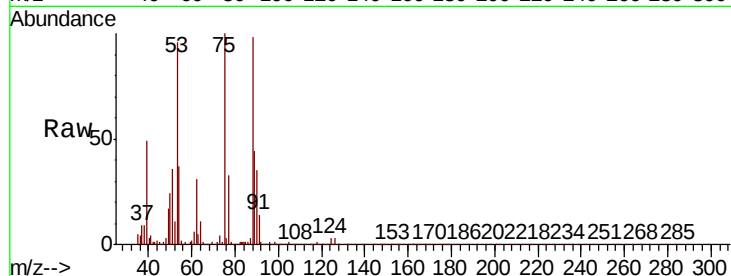
Tot Ion: 75 Resp: 62144

Ion Ratio Lower Upper

75 100

53 98.4 74.8 112.2

89 46.9 36.3 54.5



#82

4-Chlorotoluene

Concen: 20.492 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX0144462.D

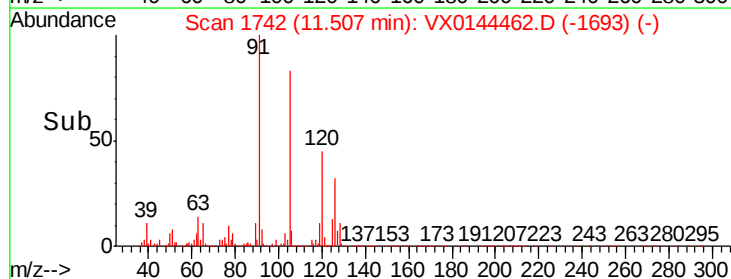
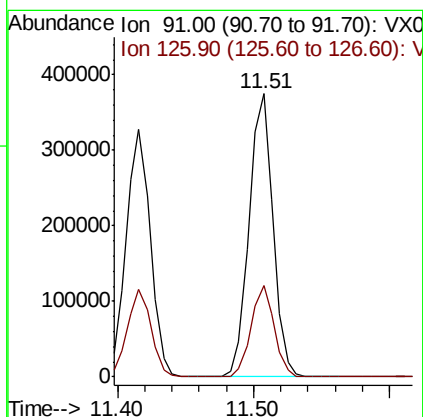
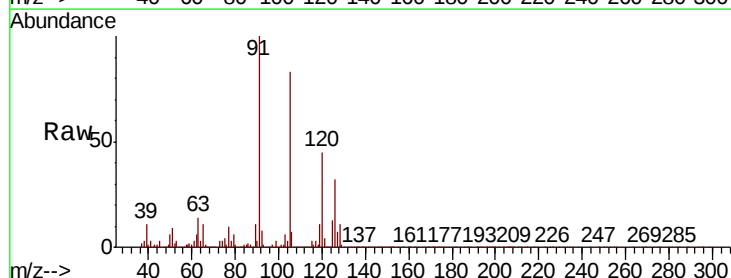
Acq: 08 Jan 2020 11:32

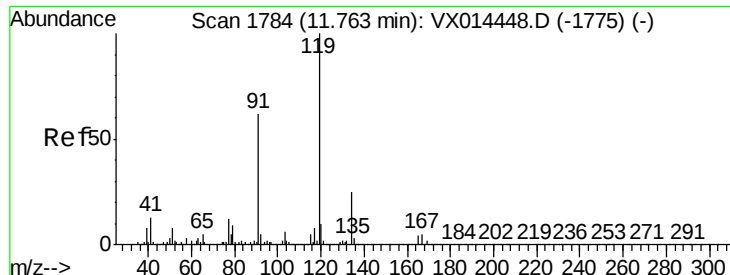
Tgt Ion: 91 Resp: 462975

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7





#83

tert-Butylbenzene

Concen: 21.266 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

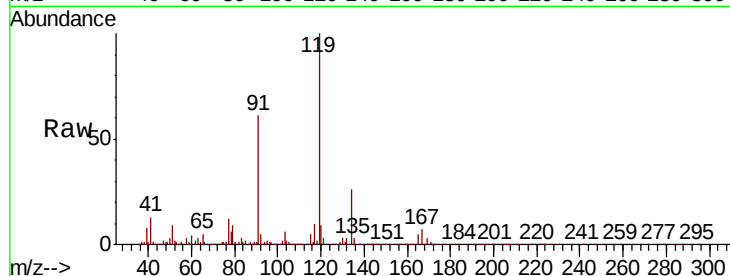
Tot Ion:119 Resp: 470428

Ion Ratio Lower Upper

119 100

91 58.3 29.3 88.0

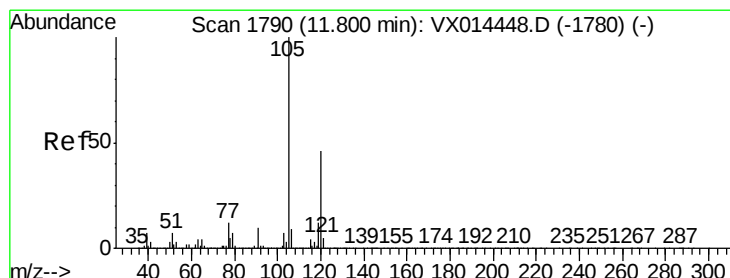
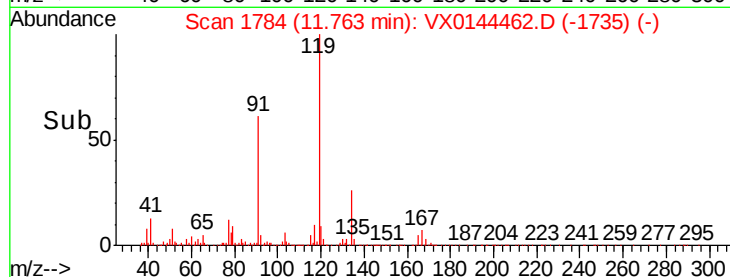
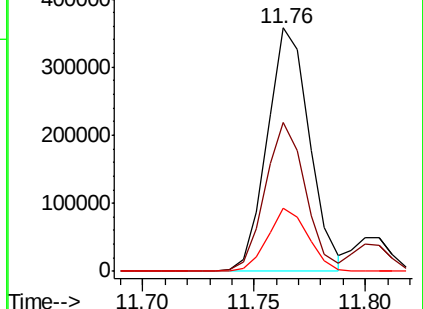
134 24.7 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.447 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX0144462.D

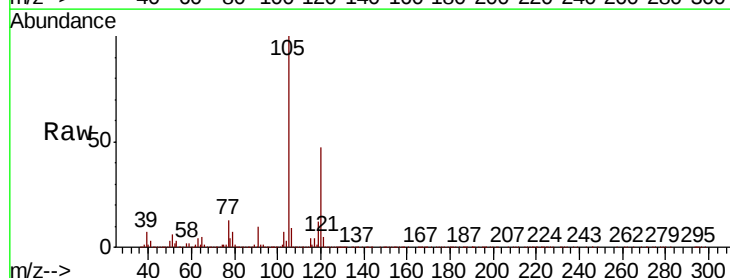
Acq: 08 Jan 2020 11:32

Tgt Ion:105 Resp: 507384

Ion Ratio Lower Upper

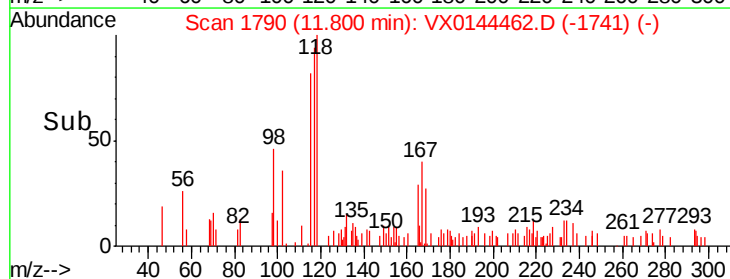
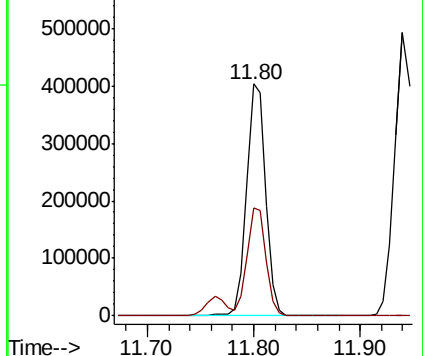
105 100

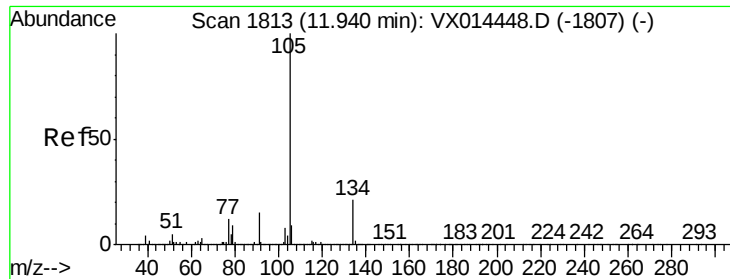
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.249 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

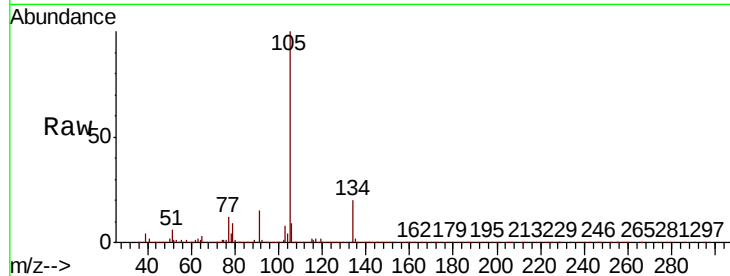
ClientSampled :

Tot Ion:105 Resp: 584347

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

500000

400000

300000

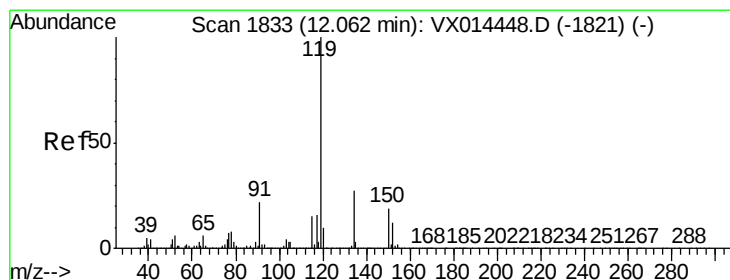
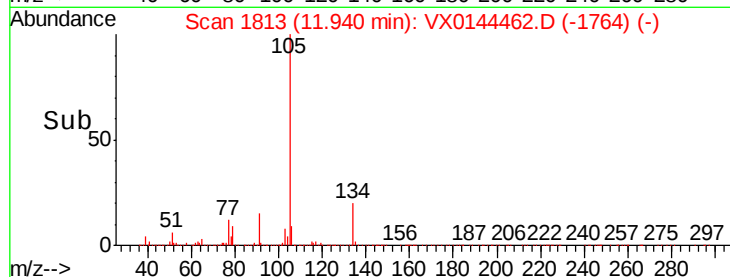
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 21.322 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

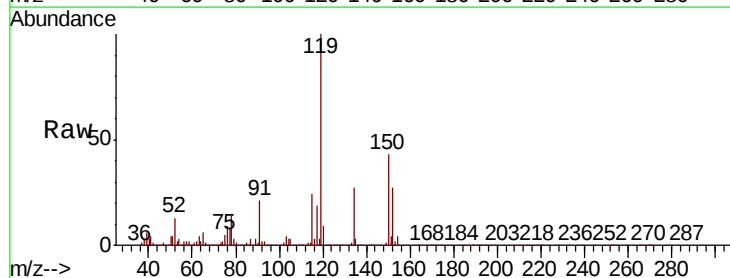
Tgt Ion:119 Resp: 544114

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.4 11.1 33.3



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

600000

500000

400000

300000

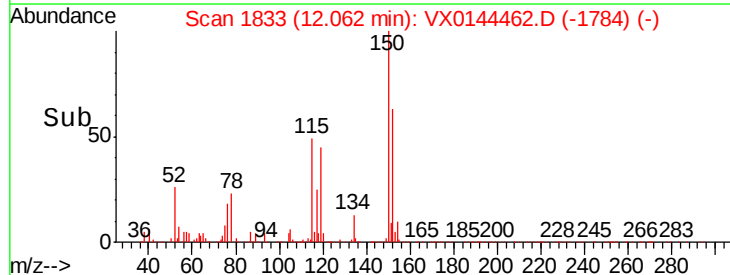
200000

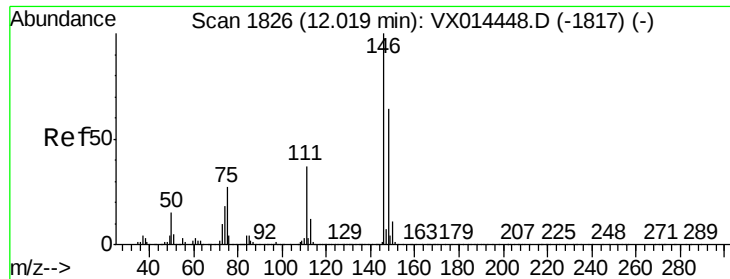
100000

0

12.00 12.10

Time-->

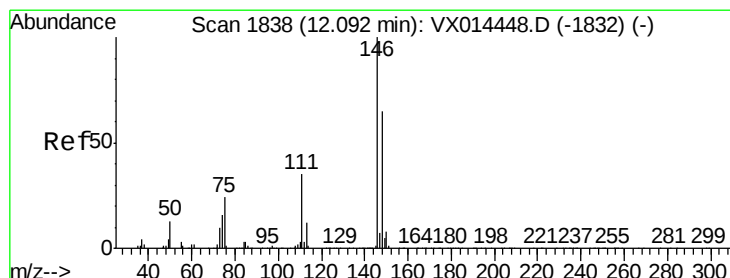
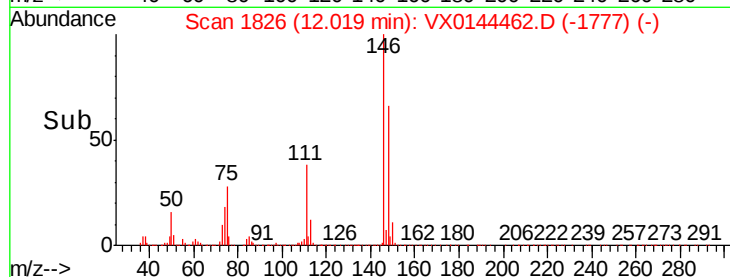
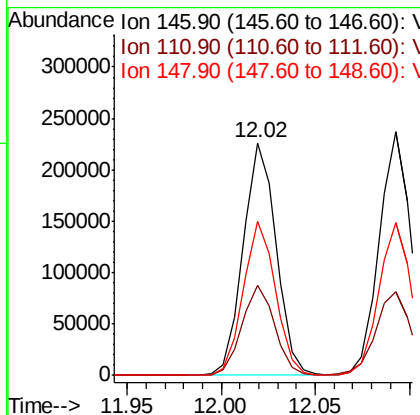
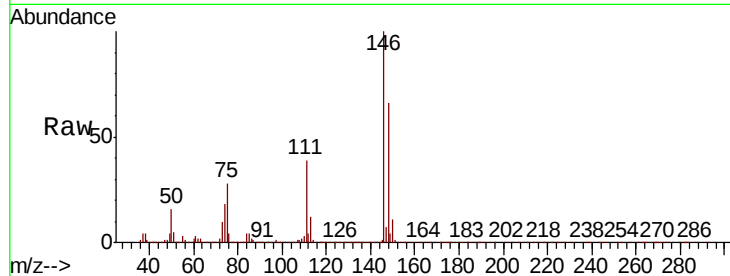




#87
 1,3-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

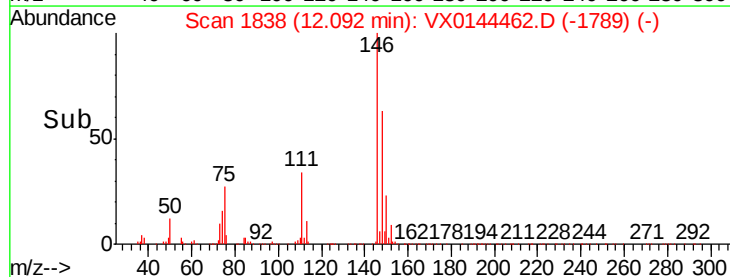
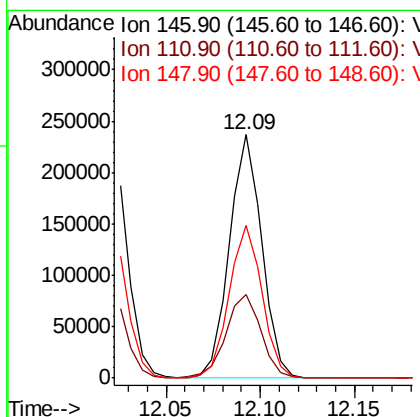
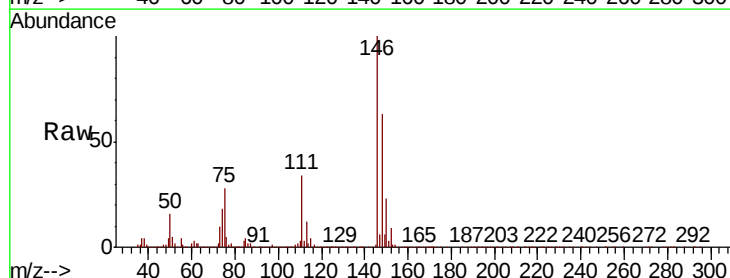
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 275023
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.7
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion:146 Resp: 281094
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.1
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 19.949 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX0144462.D

Acq: 08 Jan 2020 11:32

Instrument :

MSVOA_X

ClientSampled :

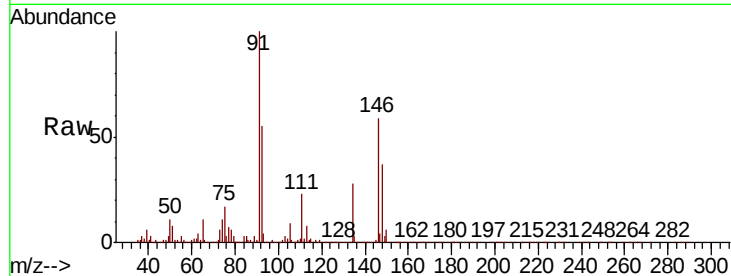
Tot Ion: 91 Resp: 465464

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.2

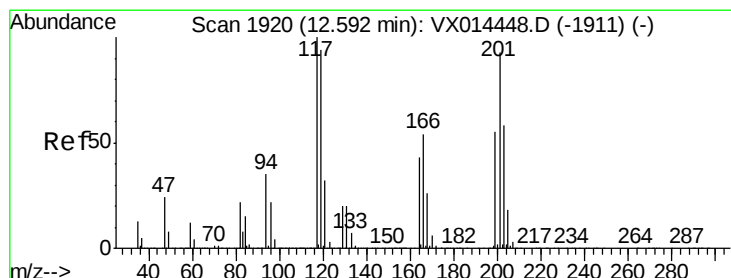
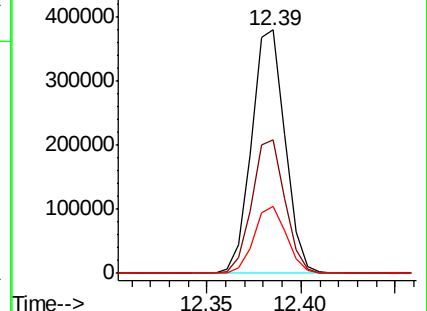
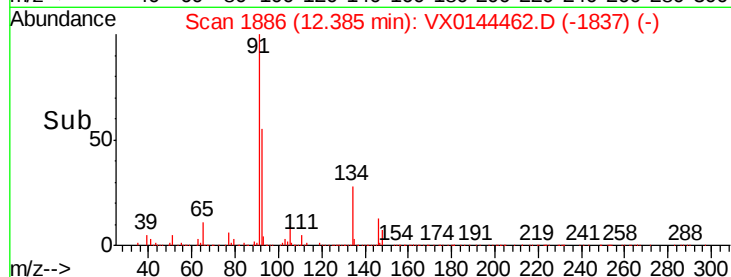
134 26.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0144462.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX0144462.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX0144462.D (-1837) (-)



#90

Hexachloroethane

Concen: 20.255 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX0144462.D

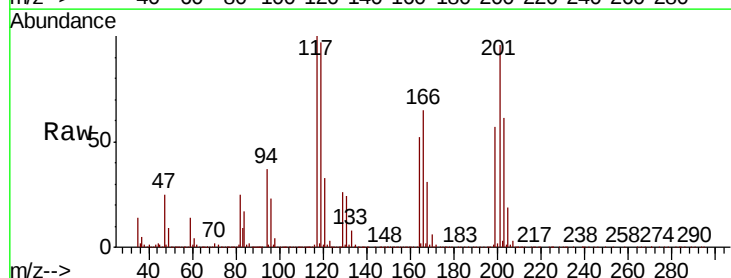
Acq: 08 Jan 2020 11:32

Tgt Ion: 117 Resp: 90795

Ion Ratio Lower Upper

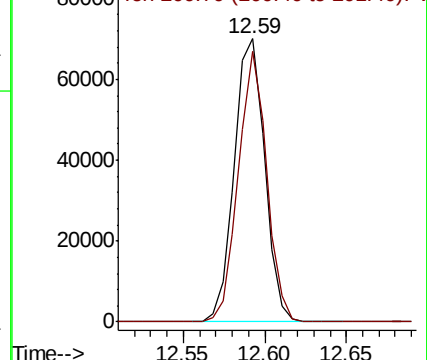
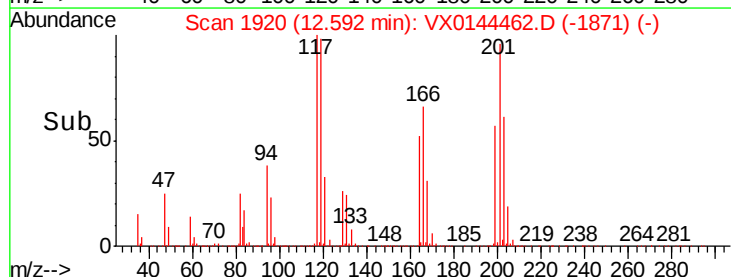
117 100

201 89.3 44.8 134.3



Abundance Ion 116.80 (116.50 to 117.50): VX0144462.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX0144462.D (-1871) (-)

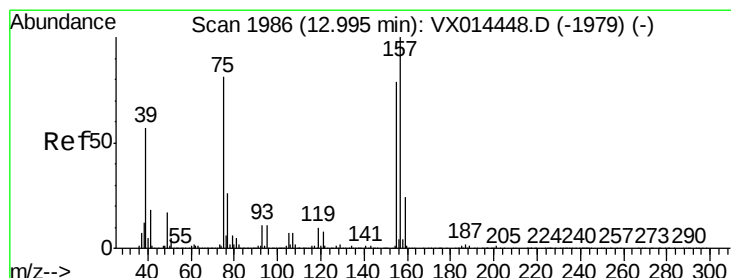
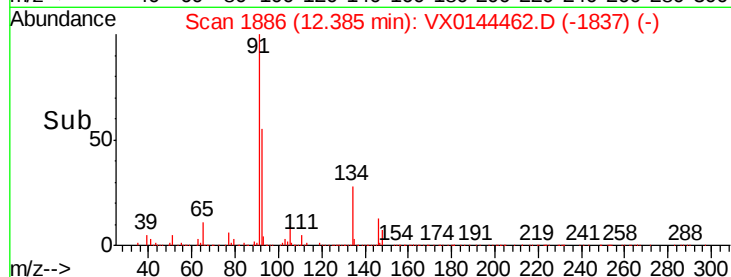
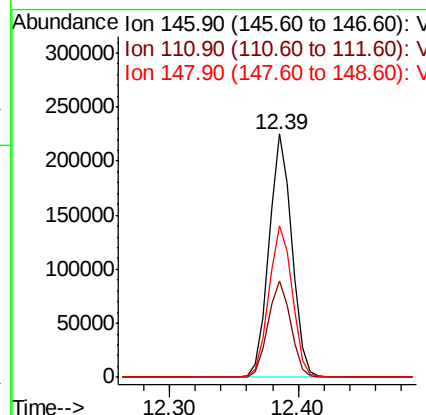
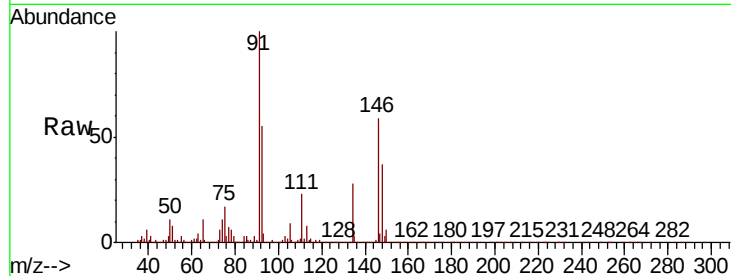




#91
 1,2-Dichlorobenzene
 Concen: 20.132 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

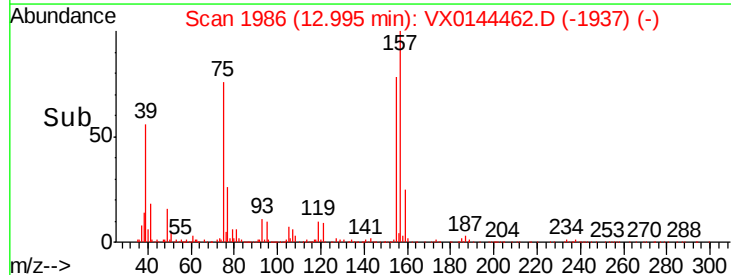
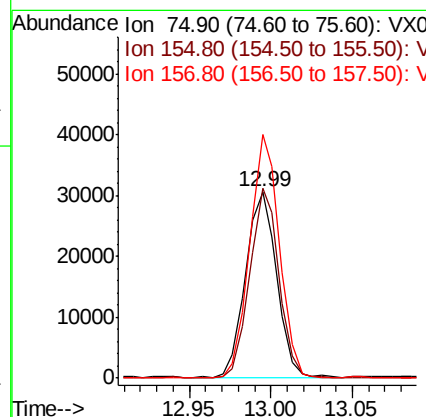
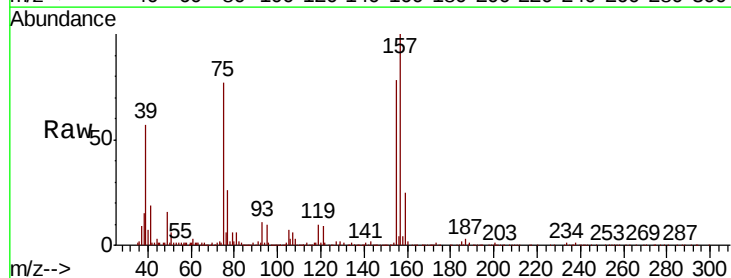
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.943 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	48.7	146.1
157	125.6	62.0	185.9

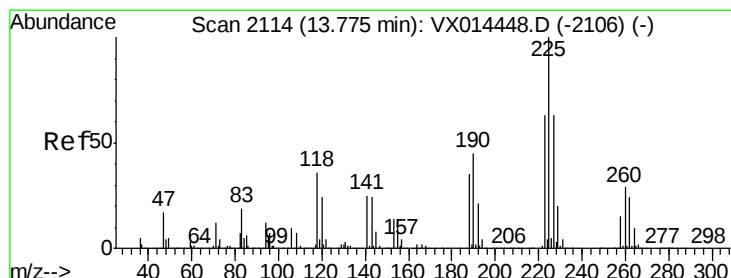
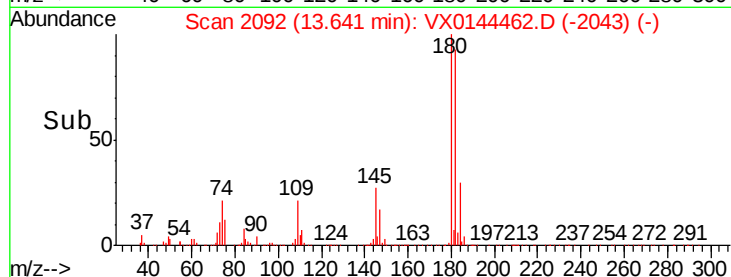
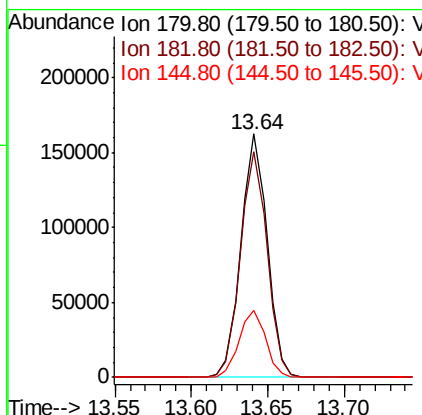
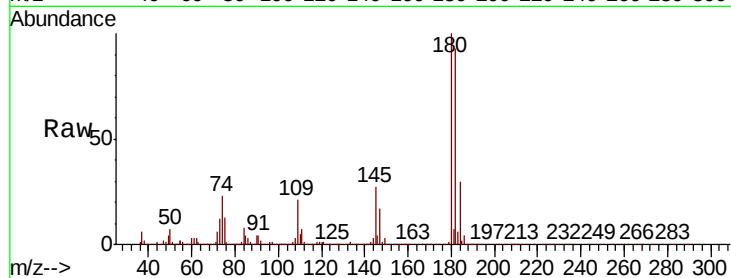




#93
 1,2,4-Trichlorobenzene
 Concen: 19.993 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

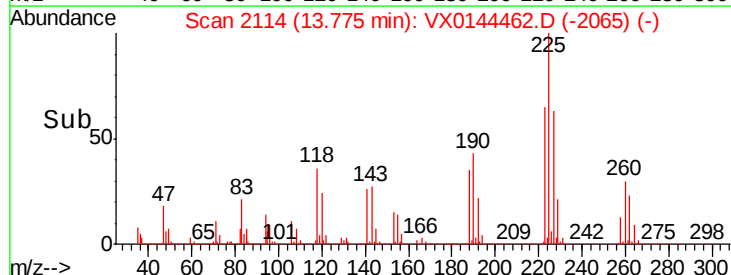
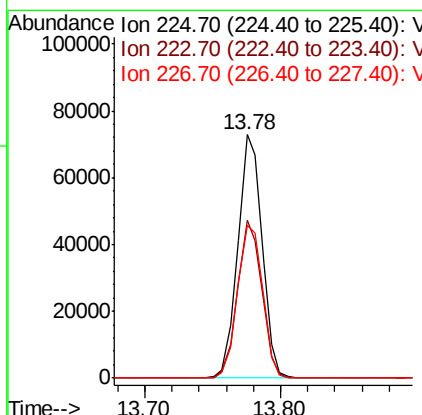
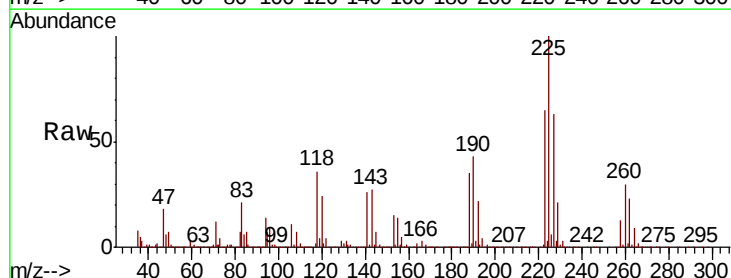
Instrument :
 MSVOA_X
 ClientSampleId :

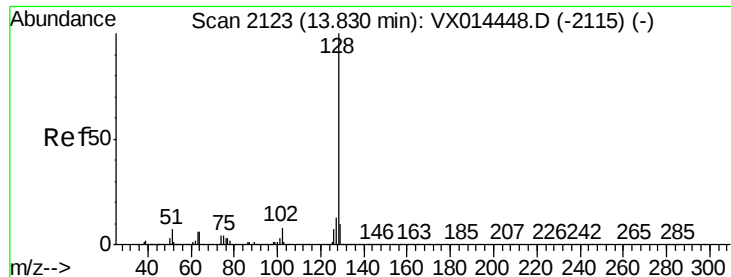
Tot Ion:180 Resp: 193593
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.5 142.5
 145 28.1 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 19.978 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX0144462.D
 Acq: 08 Jan 2020 11:32

Tgt Ion:225 Resp: 90133
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.1 93.2
 227 65.3 31.4 94.2

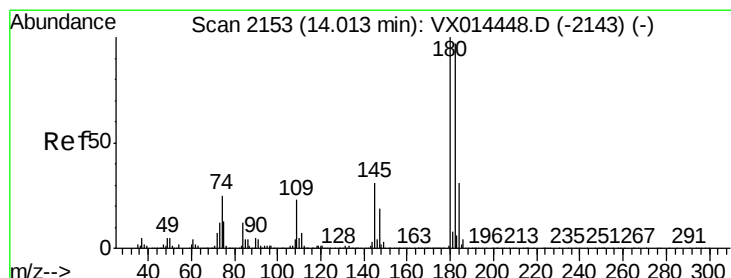
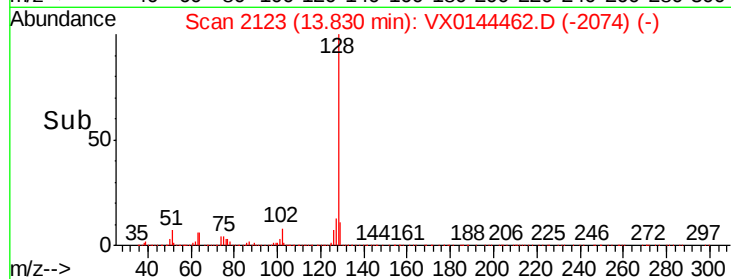
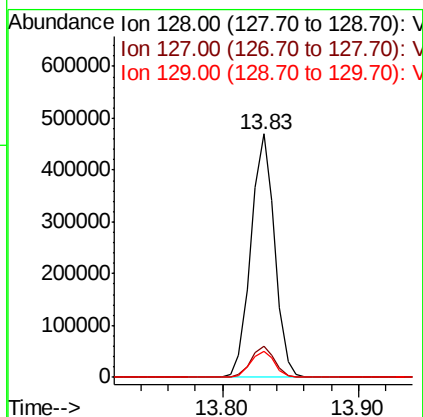
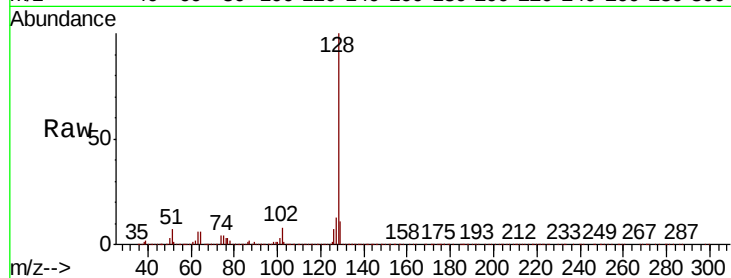




#95
Naphthalene
Concen: 19.174 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.985 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX0144462.D
Acq: 08 Jan 2020 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.6
145	29.5	14.8	44.3

