

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014812.D
 Acq On : 05 Feb 2020 10:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:01:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	81045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	447267	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	403845	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	178566	31.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.50%
60) 4-Bromofluorobenzene	11.13	95	192530	29.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.30%
63) Toluene-d8	8.71	98	550028	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	123450	22.041	ug/l 99
3) Chloromethane	1.32	50	120854	19.708	ug/l 97
4) Vinyl Chloride	1.40	62	144403	20.972	ug/l 98
5) Bromomethane	1.64	94	83857	19.517	ug/l 99
7) Trichlorofluoromethane	1.92	101	168382	22.086	ug/l 100
8) Diethyl Ether	2.18	74	70009	21.024	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	98393	22.059	ug/l 99
10) 1,1-Dichloroethene	2.37	96	92940	20.716	ug/l 100
11) Methyl Iodide	2.50	142	124282	20.656	ug/l 95
12) Methyl Acetate	2.76	43	175242	21.622	ug/l 99
13) Acrolein	2.28	56	78470	92.177	ug/l 98
14) Acrylonitrile	3.12	53	282414	101.837	ug/l 99
15) Acetone	2.43	58	107308	115.422	ug/l 86
16) Carbon Disulfide	2.56	76	249448	20.244	ug/l 96
17) Allvl chloride	2.72	41	166190	20.015	ug/l 91
18) Methylene Chloride	2.85	84	107826	20.535	ug/l 91
19) trans-1,2-Dichloroethene	3.16	96	101585	21.033	ug/l 92
20) Diisopropyl ether	3.84	45	344483	20.970	ug/l 94
21) 1,1-Dichloroethane	3.69	63	185088	20.739	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	116977	21.077	ug/l 96
23) tert-Butyl Alcohol	3.01	59	118636	103.441	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	321702	21.546	ug/l 98
25) Chloroform	5.20	83	186419	21.563	ug/l 97
26) Cyclohexane	5.57	56	168094	20.420	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	139689	21.295	ug/l 99
30) 2-Butanone	4.65	43	459837	110.665	ug/l 99
31) 2,2-Dichloropropane	4.57	77	153372	21.852	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	155399	21.414	ug/l 99
33) Carbon Tetrachloride	5.77	117	135877	21.809	ug/l 98
34) Benzene	6.13	78	422134	20.826	ug/l 97
35) Methacrylonitrile	5.02	41	83509	20.123	ug/l 96
36) 1,2-Dichloroethane	6.18	62	150737	21.369	ug/l 98
37) Trichloroethene	7.20	130	117282	21.132	ug/l 94
38) Methylcyclohexane	7.45	83	173164	21.202	ug/l 99
39) 1,2-Dichloropropane	7.50	63	108171	20.523	ug/l 92
40) Dibromomethane	7.65	93	70954	20.946	ug/l 97
41) Bromodichloromethane	7.89	83	142818	21.530	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.80	43	1346229	105.115	ug/l	99
43) Ethyl Acetate	4.81	43	155428	20.663	ug/l	99
44) Isopropyl Acetate	6.43	43	249165	20.534	ug/l	100
45) 1,4-Dioxane	7.73	88	50519	416.201	ug/l	98
46) Methyl methacrylate	7.76	41	123489	20.694	ug/l	99
47) n-amyl Acetate	10.89	43	205327	20.195	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	153311	21.169	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	172405	21.127	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	110295	21.398	ug/l	96
51) Ethyl methacrylate	9.17	69	163372	20.356	ug/l	96
52) 1,3-Dichloropropane	9.36	76	184043	21.074	ug/l	100
53) Dibromochloromethane	9.57	129	115520	21.911	ug/l	98
54) 1,2-Dibromoethane	9.67	107	114646	21.446	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	359149	97.372	ug/l	100
56) Bromoform	10.85	173	86346	21.262	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	803466	105.649	ug/l	100
59) 2-Hexanone	9.48	43	657877	111.853	ug/l	100
61) Tetrachloroethene	9.33	164	128540	21.534	ug/l	98
62) Toluene	8.78	91	457093	21.334	ug/l	99
64) Chlorobenzene	10.13	112	288546	21.573	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	108085	21.880	ug/l	99
66) Ethyl Benzene	10.25	91	493629	21.152	ug/l	97
67) m/p-Xylenes	10.36	106	386169	43.200	ug/l	100
68) o-Xylene	10.69	106	181845	20.890	ug/l	97
69) Styrene	10.70	104	315282	21.377	ug/l	99
70) Isopropylbenzene	11.01	105	495872	21.744	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	159225	20.728	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	189147	28.786	ug/l	95
73) Bromobenzene	11.25	156	130561	21.598	ug/l	97
74) n-propylbenzene	11.35	91	570323	21.886	ug/l	99
75) 2-Chlorotoluene	11.42	91	337921	21.637	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	410234	21.589	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	50586	20.003	ug/l	94
78) 4-Chlorotoluene	11.51	91	380792	21.469	ug/l	99
79) tert-butylbenzene	11.76	119	391028	21.992	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	412939	21.788	ug/l	100
81) sec-Butylbenzene	11.94	105	478465	21.747	ug/l	99
82) p-Isopropyltoluene	12.06	119	438708	21.842	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	231118	21.896	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	227487	21.738	ug/l	99
85) n-Butylbenzene	12.38	91	372291	21.185	ug/l	99
86) Hexachloroethane	12.59	117	77256	21.449	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	229564	21.555	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	33983	20.710	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	152016	21.624	ug/l	100
90) Hexachlorobutadiene	13.78	225	77771	22.140	ug/l	97
91) Naphthalene	13.83	128	456056	21.492	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	154960	21.656	ug/l	100

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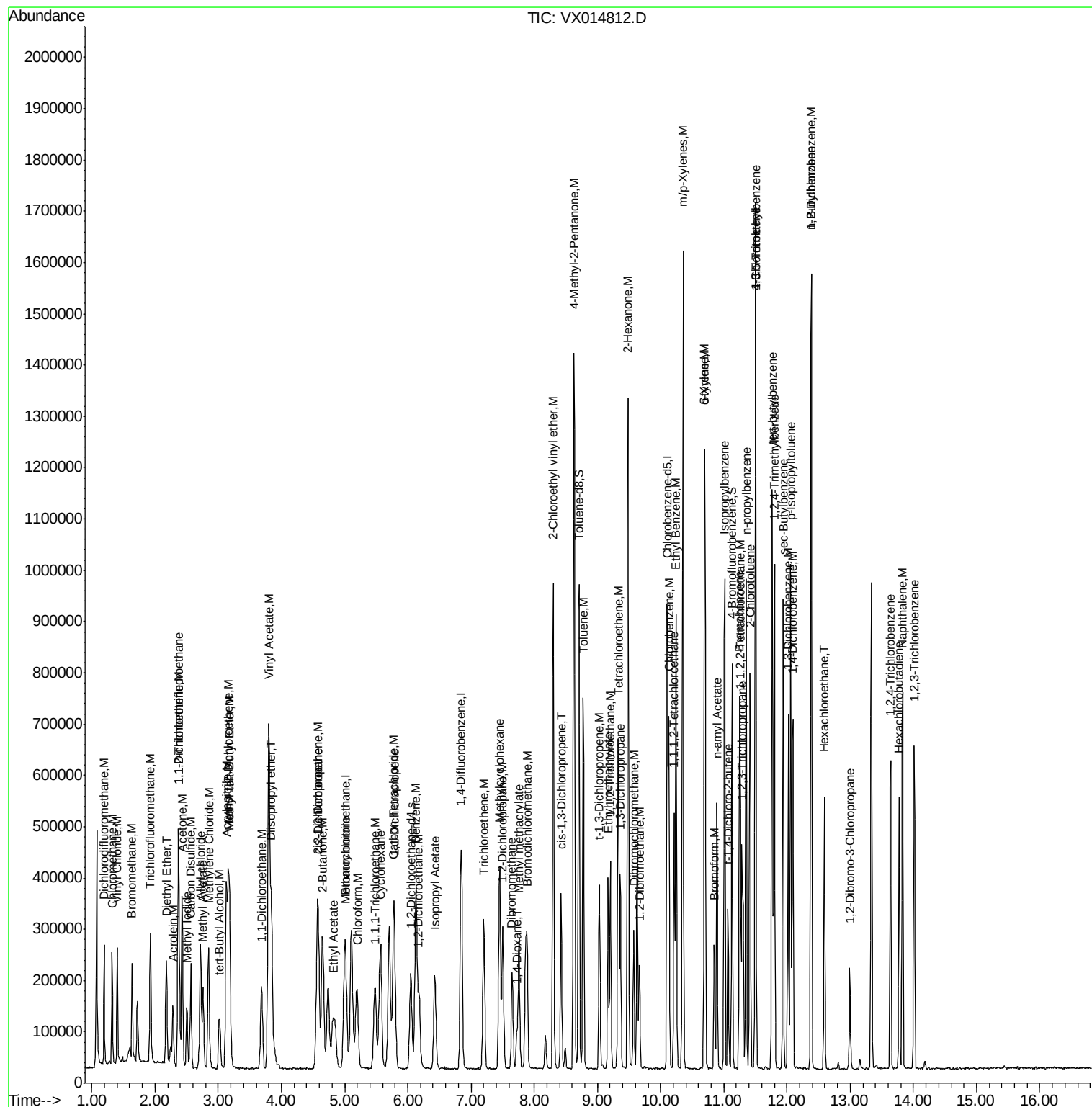
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

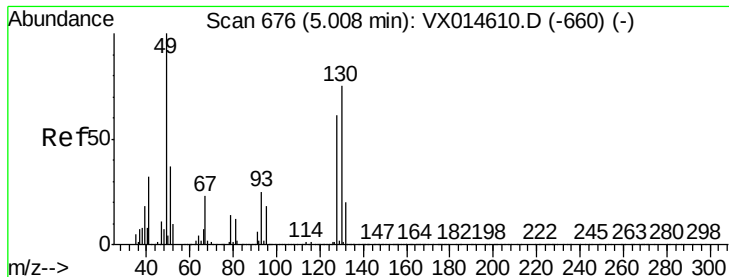
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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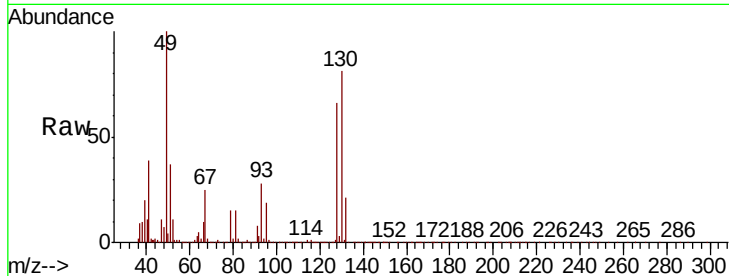


#1

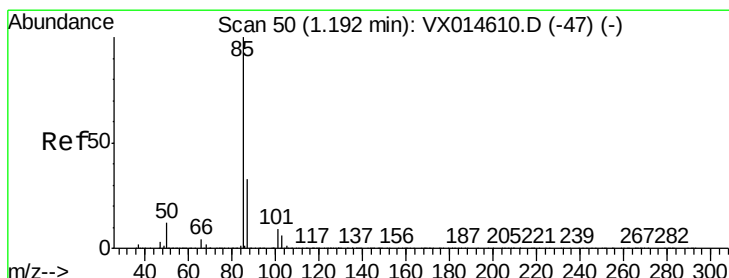
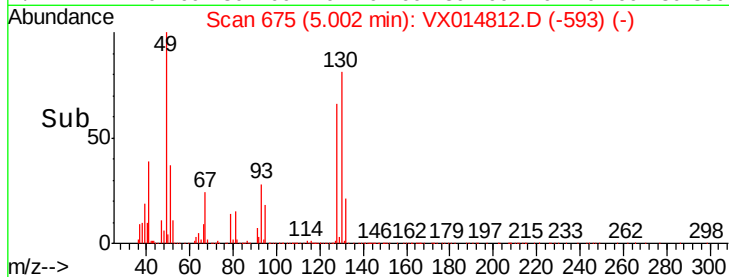
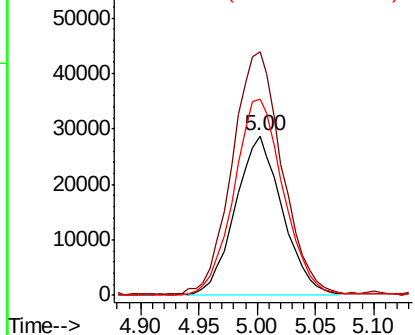
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.4	0.0	405.0
130	128.1	0.0	321.5



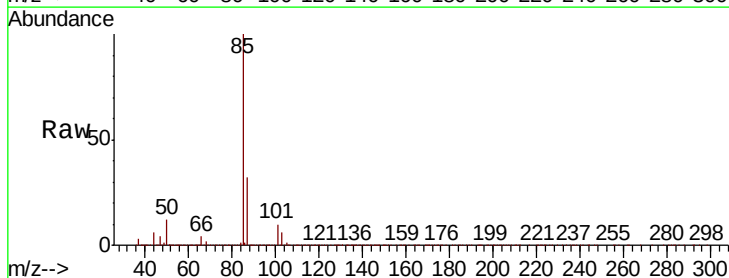
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



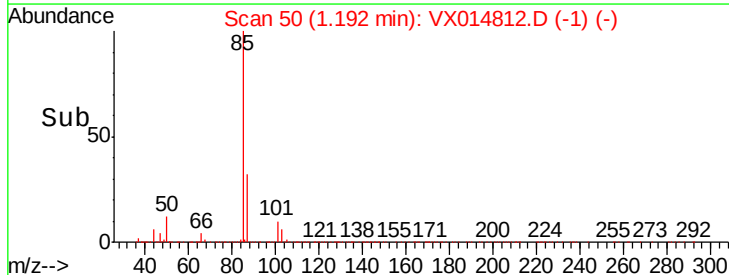
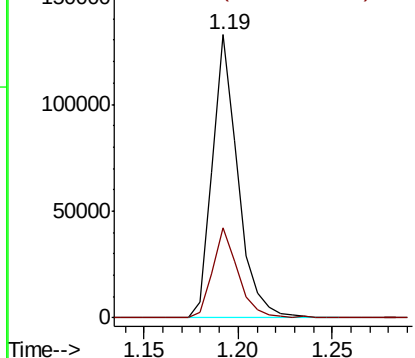
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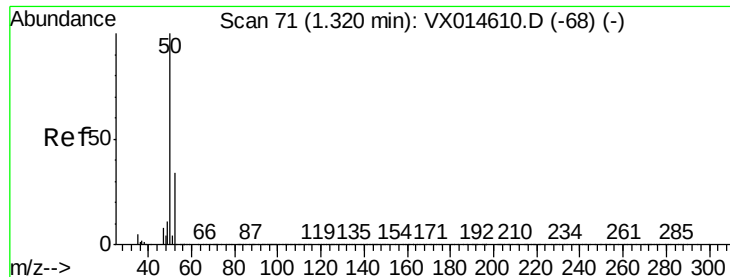
Dichlorodifluoromethane
 Concen: 22.041 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.3	48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.708 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

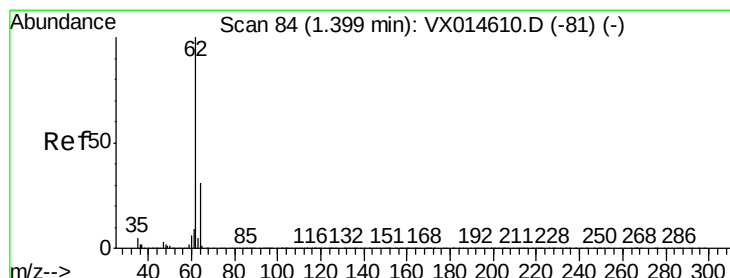
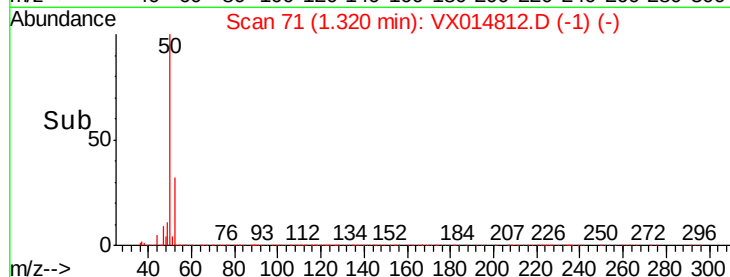
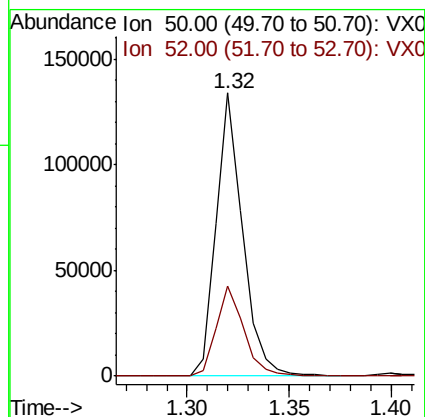
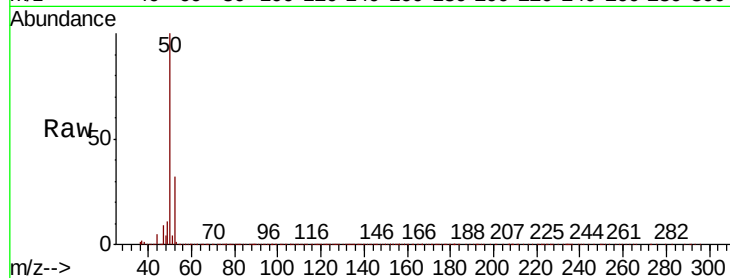
ClientSampled :

Tot Ion: 50 Resp: 120854

Ion Ratio Lower Upper

50 100

52 31.9 24.3 36.5



#4

Vinyl Chloride

Concen: 20.972 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014812.D

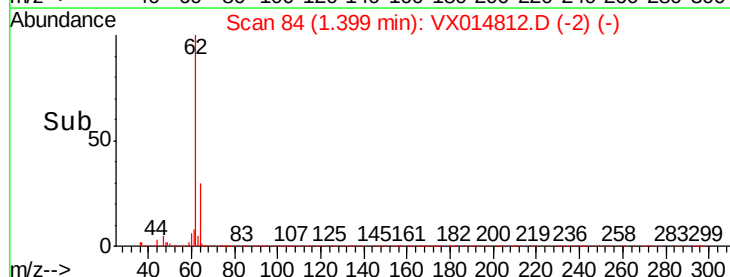
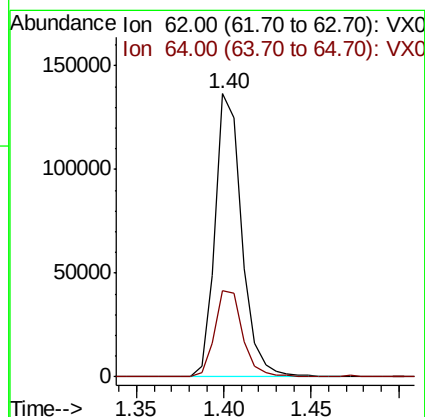
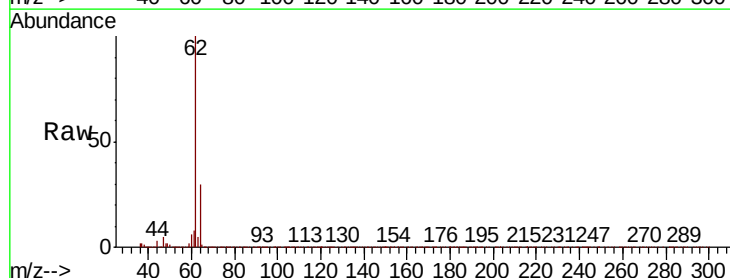
Acq: 05 Feb 2020 10:35

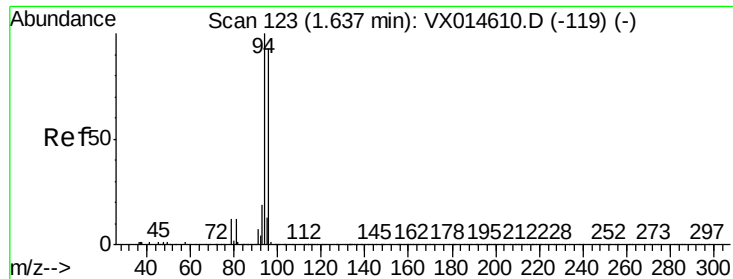
Tgt Ion: 62 Resp: 144403

Ion Ratio Lower Upper

62 100

64 30.2 25.2 37.8





#5

Bromomethane

Concen: 19.517 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

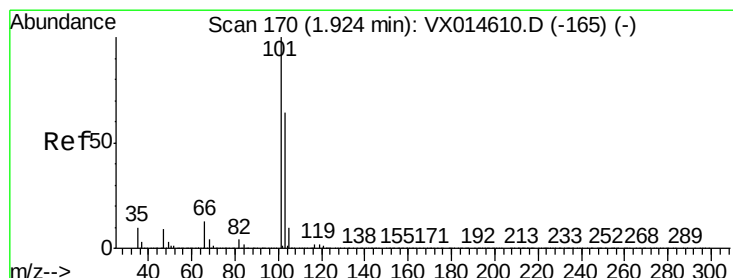
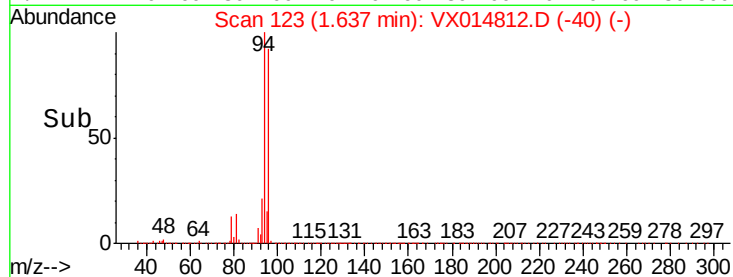
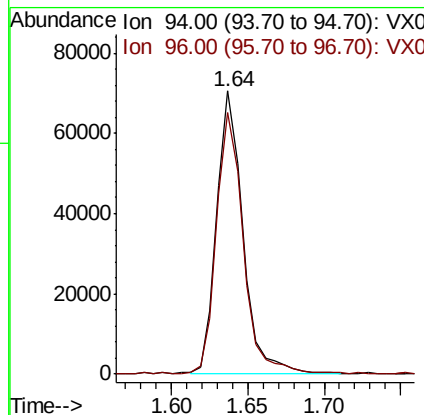
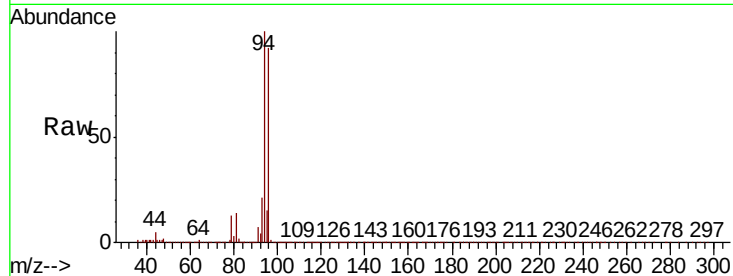
ClientSampleId :

Tot Ion: 94 Resp: 83857

Ion Ratio Lower Upper

94 100

96 92.2 74.4 111.6



#7

Trichlorofluoromethane

Concen: 22.086 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX014812.D

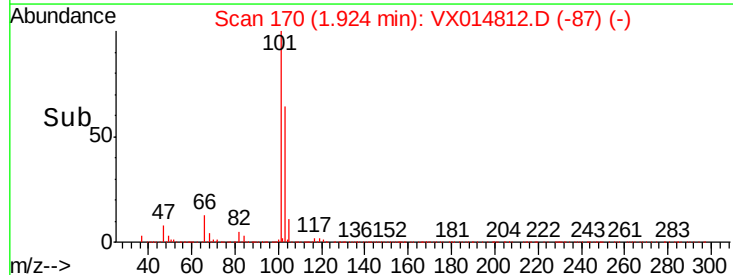
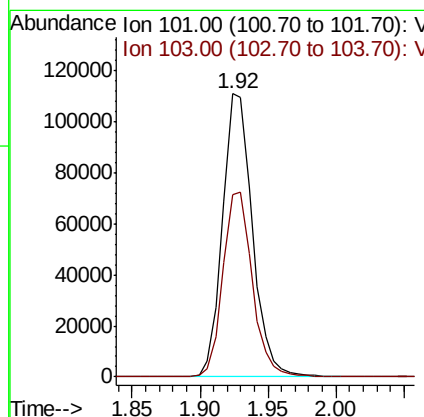
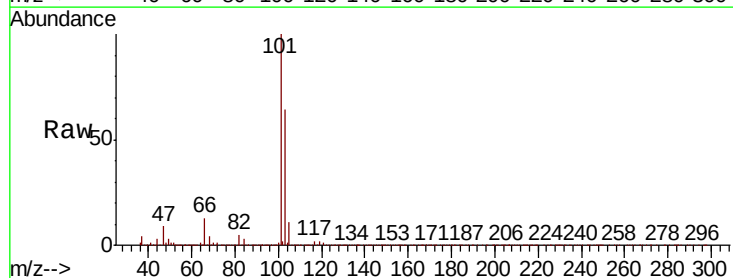
Acq: 05 Feb 2020 10:35

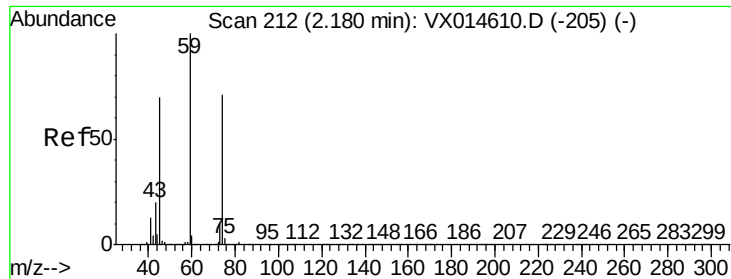
Tgt Ion: 101 Resp: 168382

Ion Ratio Lower Upper

101 100

103 64.4 51.6 77.4





#8

Diethyl Ether

Concen: 21.024 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

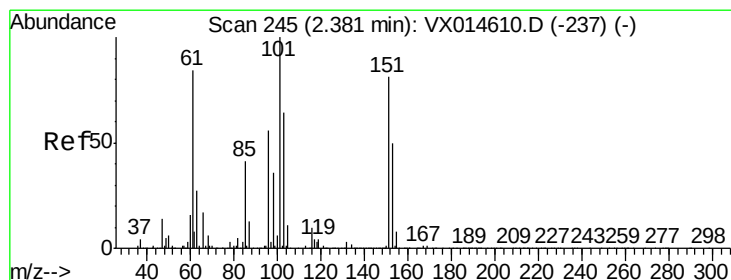
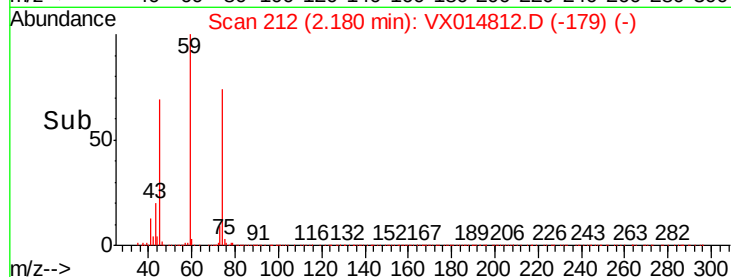
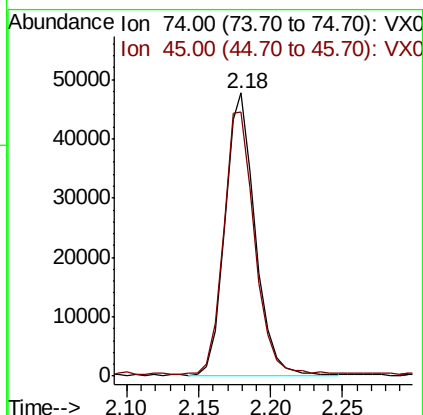
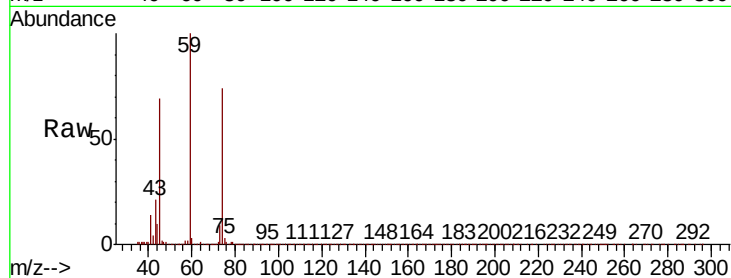
ClientSampleId :

Tot Ion: 74 Resp: 70009

Ion Ratio Lower Upper

74 100

45 95.4 20.6 185.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.059 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

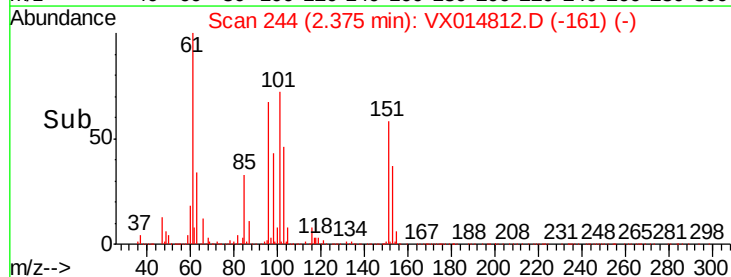
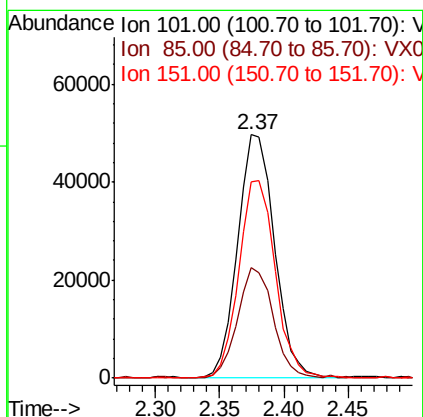
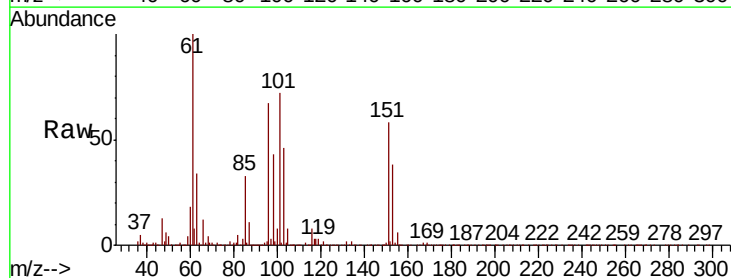
Tgt Ion: 101 Resp: 98393

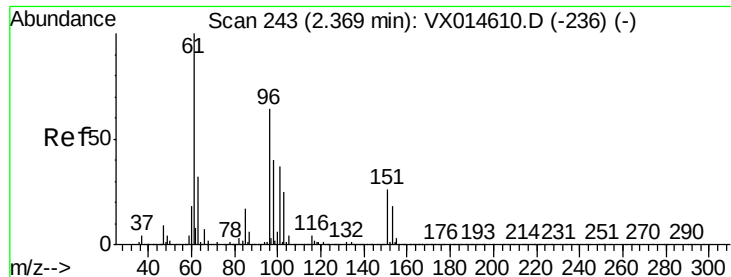
Ion Ratio Lower Upper

101 100

85 43.5 0.0 85.6

151 80.5 0.0 159.4

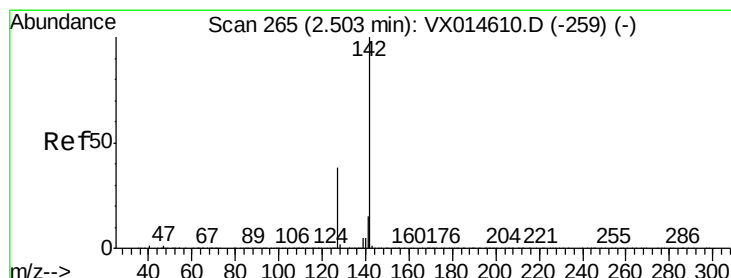
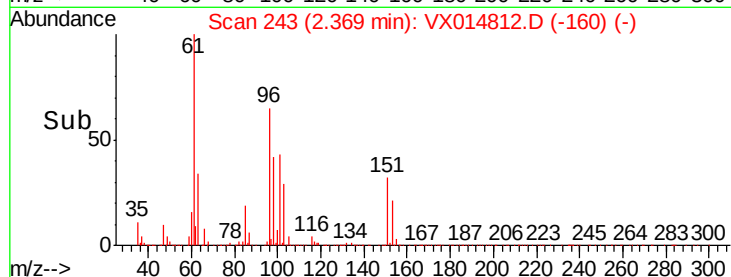
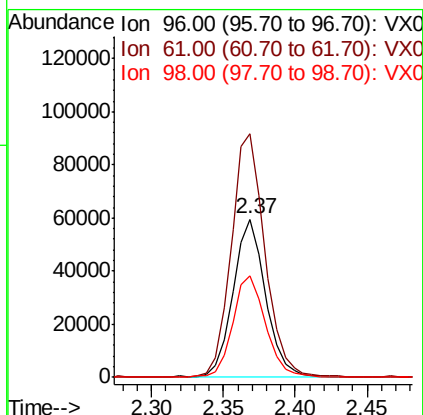
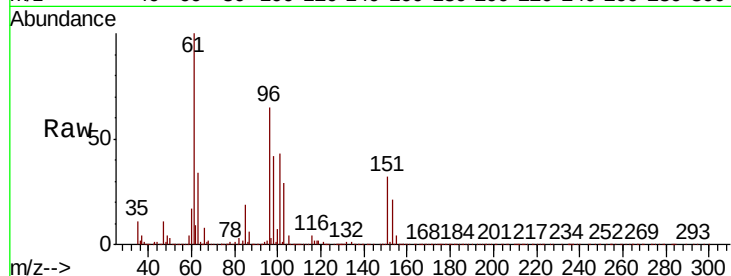




#10
 1,1-Dichloroethene
 Concen: 20.716 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014812.D
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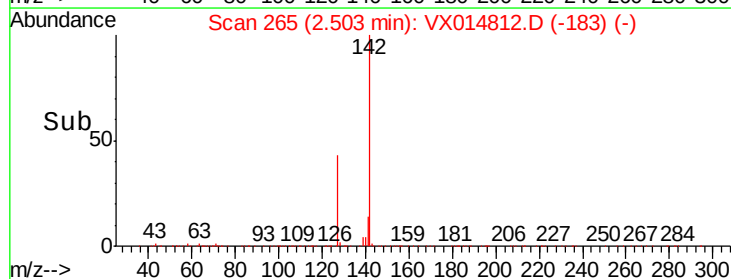
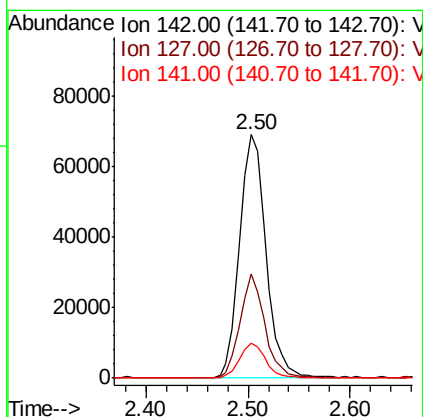
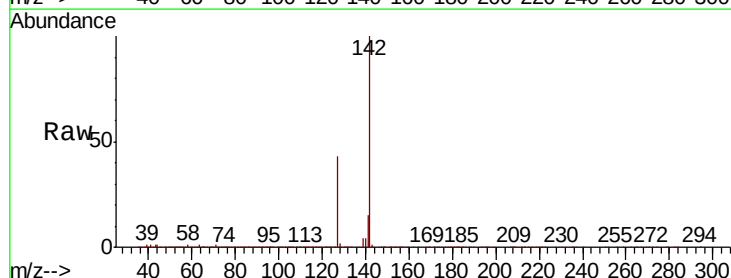
Instrument :
 MSVOA_X
 ClientSampleId :

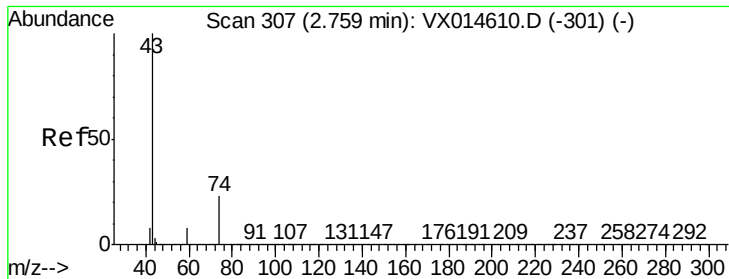
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	123.0	184.6
98	64.1	51.4	77.0



#11
 Methyl Iodide
 Concen: 20.656 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	19.5	58.5
141	14.5	7.0	20.9





#12

Methvl Acetate

Concen: 21.622 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

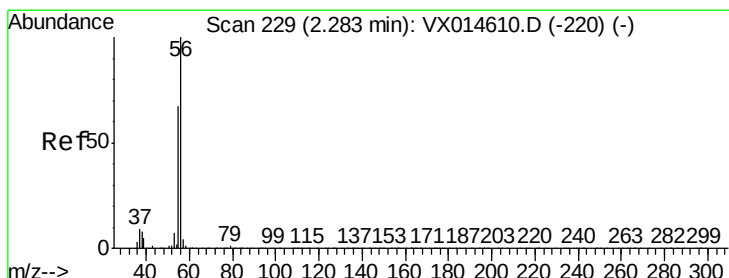
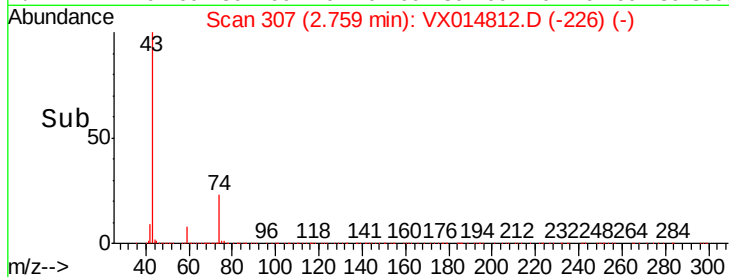
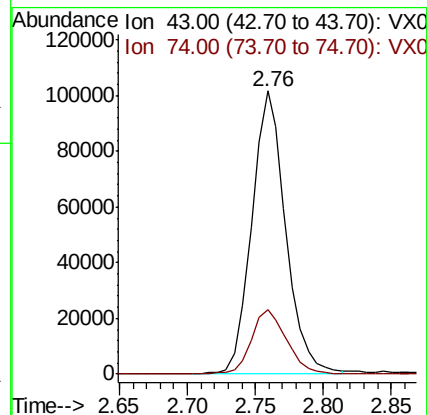
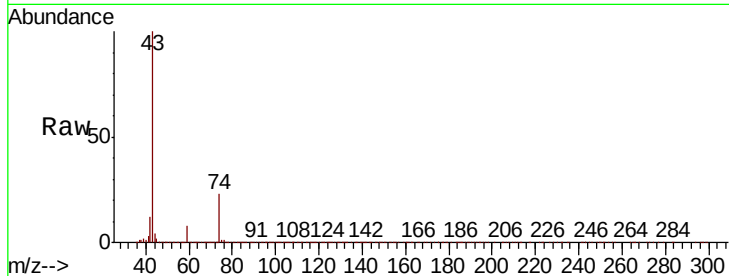
ClientSampleId :

Tot Ion: 43 Resp: 175242

Ion Ratio Lower Upper

43 100

74 22.8 18.5 27.7



#13

Acrolein

Concen: 92.177 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014812.D

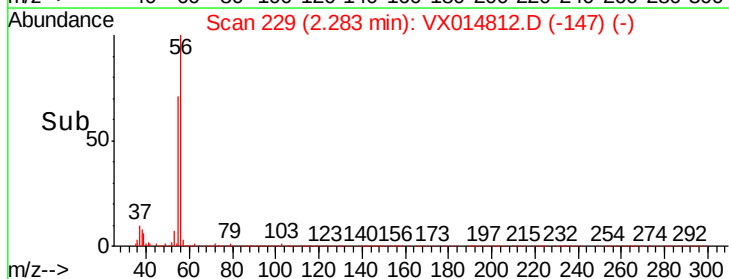
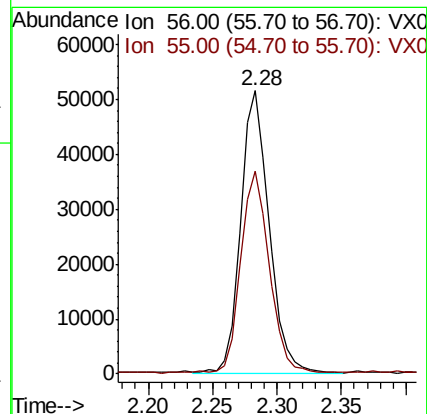
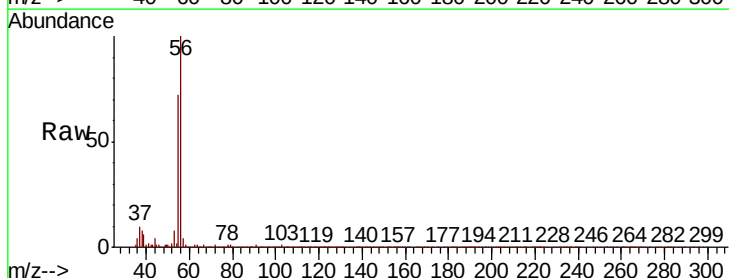
Acq: 05 Feb 2020 10:35

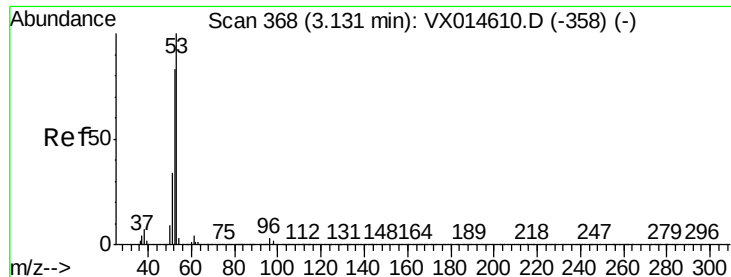
Tgt Ion: 56 Resp: 78470

Ion Ratio Lower Upper

56 100

55 70.3 54.9 82.3





#14

Acrylonitrile

Concen: 101.837 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

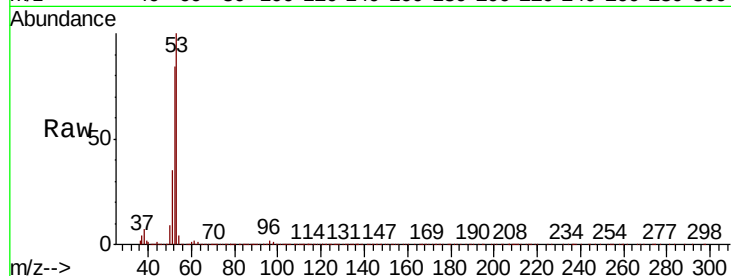
Tot Ion: 53 Resp: 282414

Ion Ratio Lower Upper

53 100

52 83.6 41.5 124.6

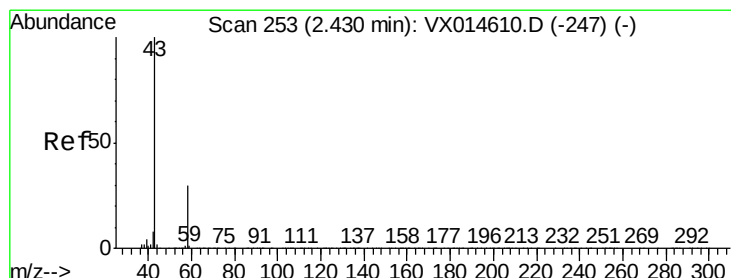
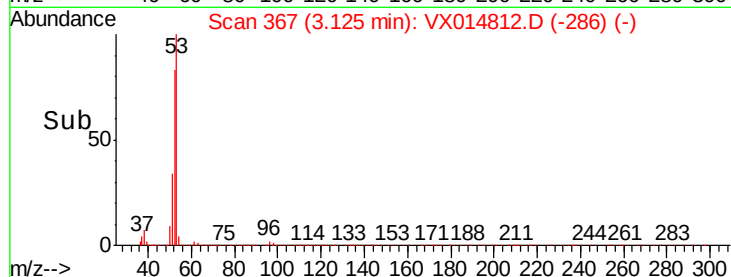
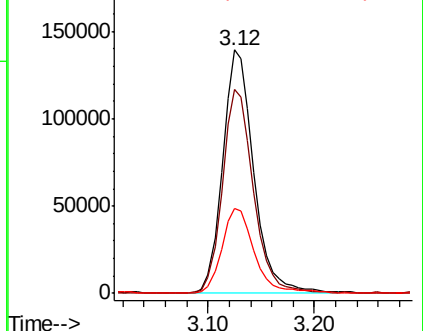
51 36.3 17.8 53.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 115.422 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014812.D

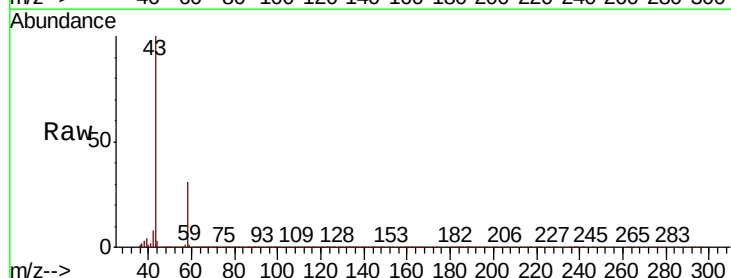
Acq: 05 Feb 2020 10:35

Tgt Ion: 58 Resp: 107308

Ion Ratio Lower Upper

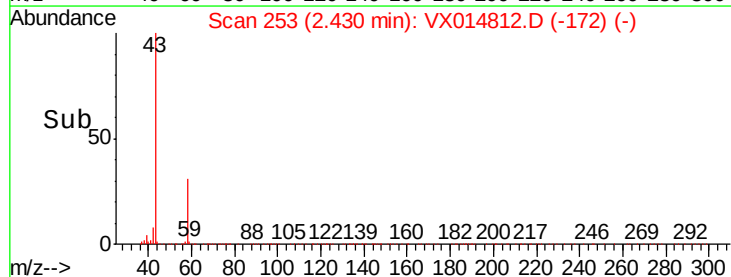
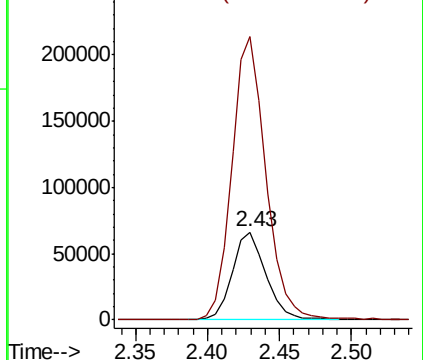
58 100

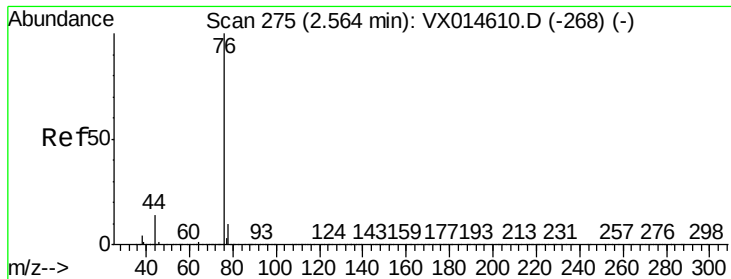
43 322.8 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

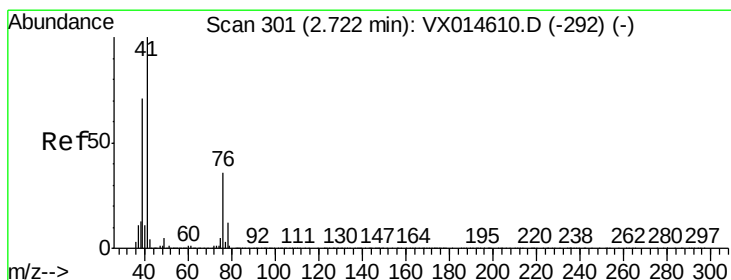
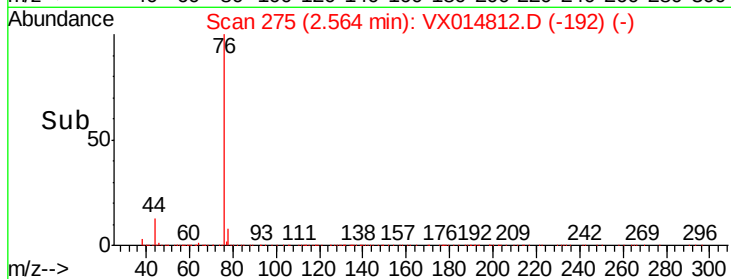
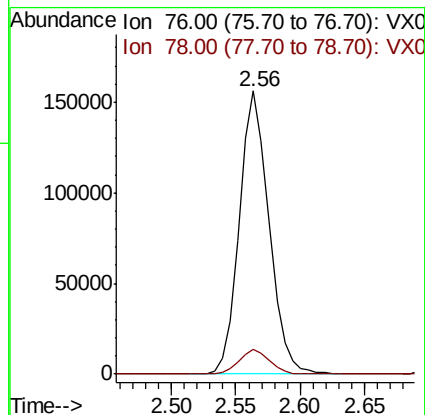
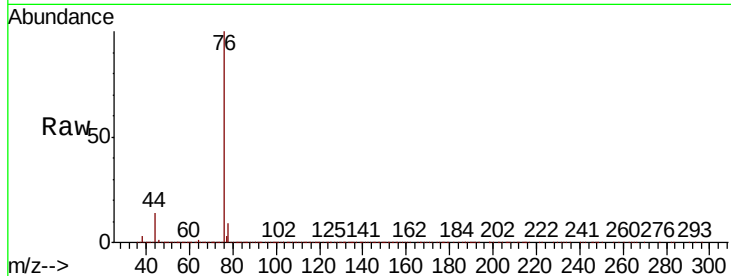




#16
Carbon Disulfide
Concen: 20.244 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

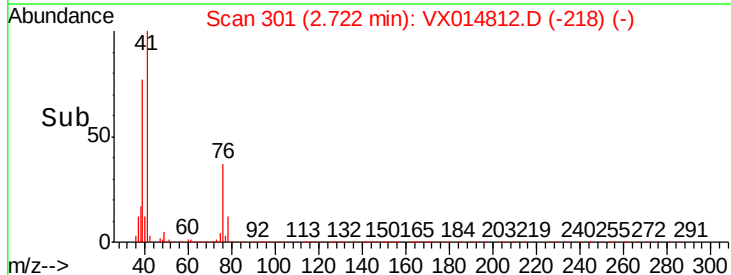
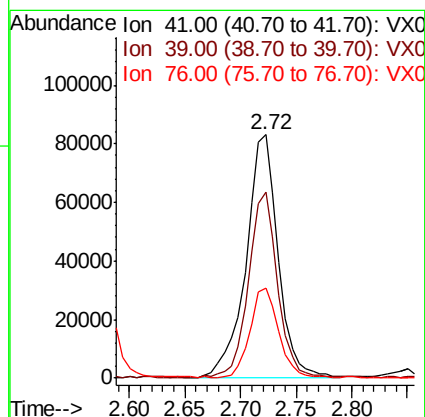
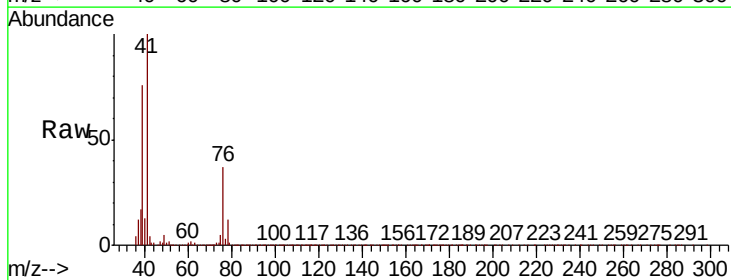
Instrument :
MSVOA_X
ClientSampleId :

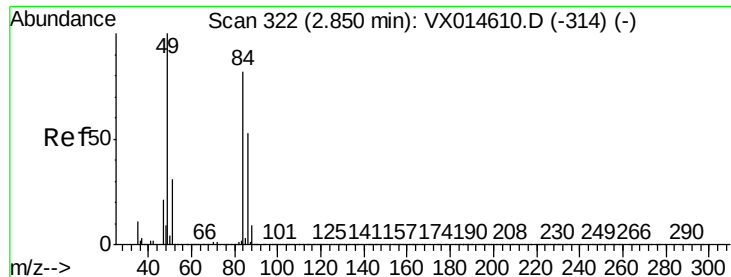
Tot Ion: 76 Resp: 249448
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8



#17
Allyl chloride
Concen: 20.015 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 41 Resp: 166190
Ion Ratio Lower Upper
41 100
39 76.2 33.4 100.2
76 36.7 17.0 50.9

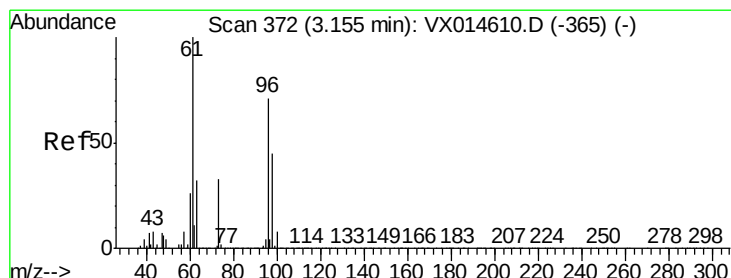
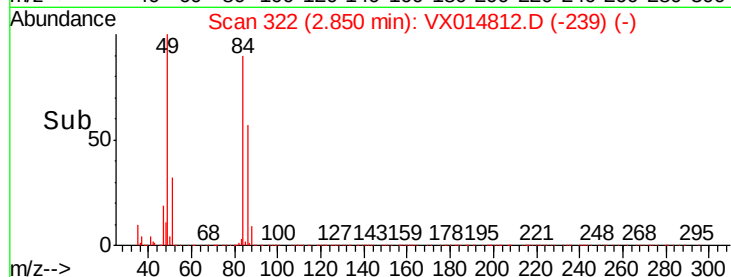
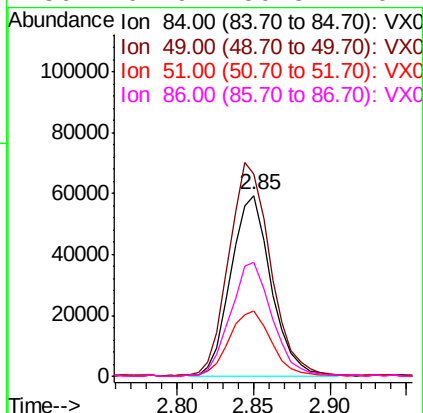
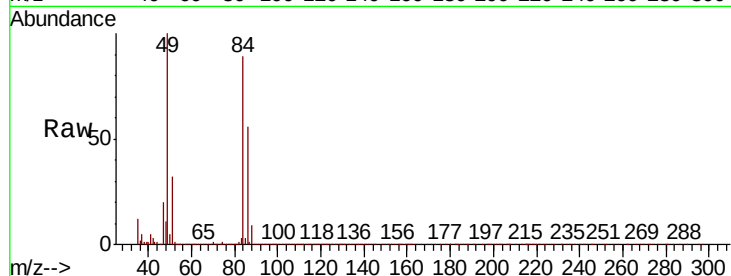




#18
Methylene Chloride
Concen: 20.535 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

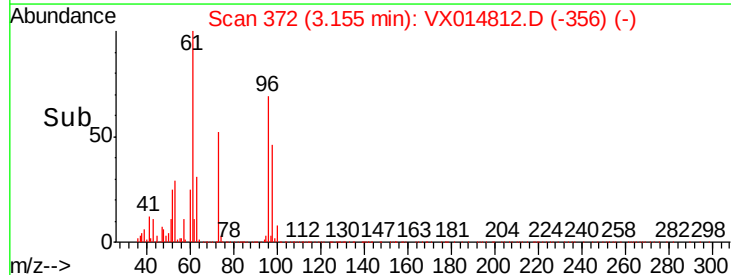
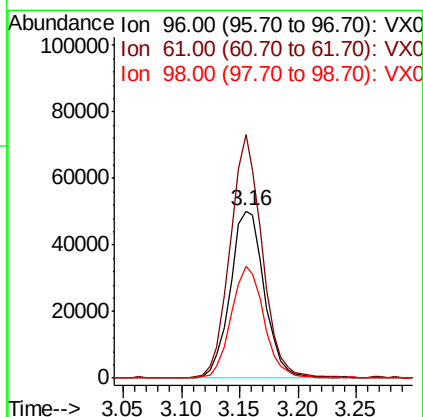
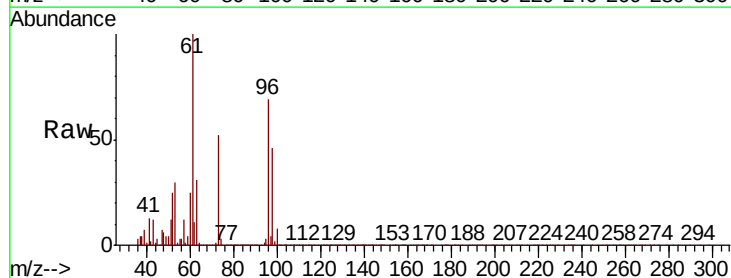
Instrument :
MSVOA_X
ClientSampleId :

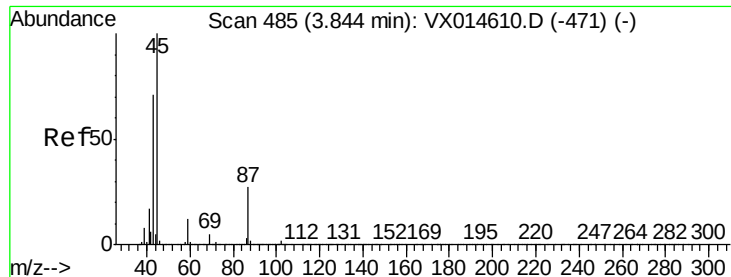
Tot Ion:	84	Resp:	107826
Ion	Ratio	Lower	Upper
84	100		
49	112.0	102.2	153.2
51	36.1	31.4	47.0
86	62.9	50.8	76.2



#19
trans-1,2-Dichloroethene
Concen: 21.033 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion:	96	Resp:	101585
Ion	Ratio	Lower	Upper
96	100		
61	145.4	106.6	159.8
98	66.7	51.6	77.4



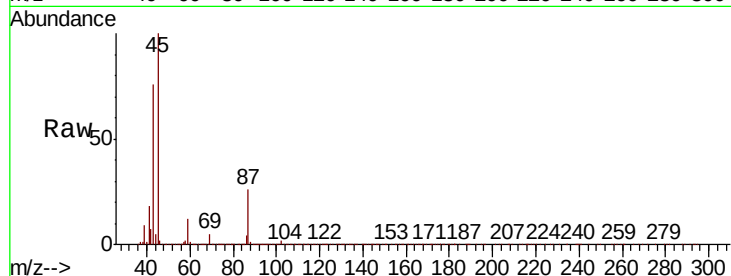


#20

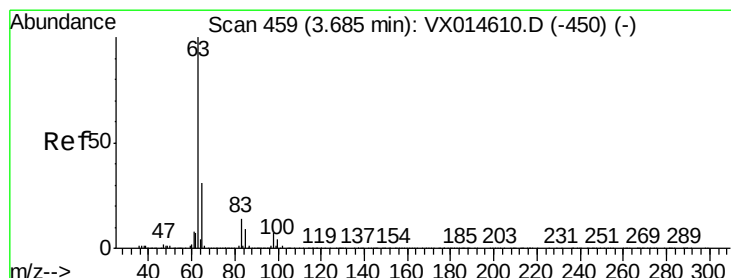
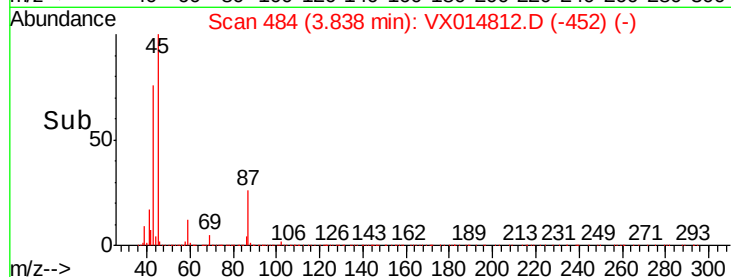
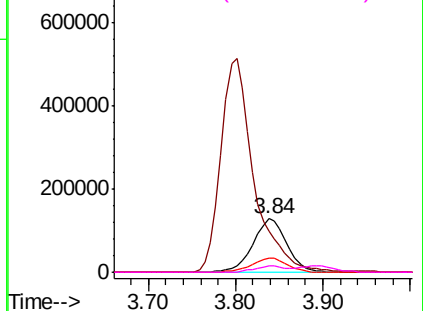
Diisopropyl ether
 Concen: 20.970 ug/l
 RT: 3.84 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	45	Resp:	344483
Ion	Ratio	Lower	Upper
45	100		
43	75.5	55.9	83.9
87	25.7	22.2	33.2
59	11.5	8.6	13.0



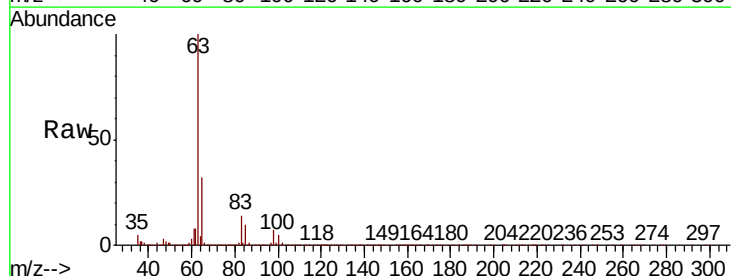
Abundance Ion 45.00 (44.70 to 45.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0
 Ion 59.00 (58.70 to 59.70): VX0



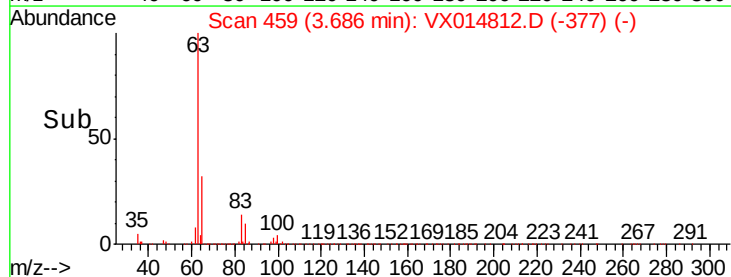
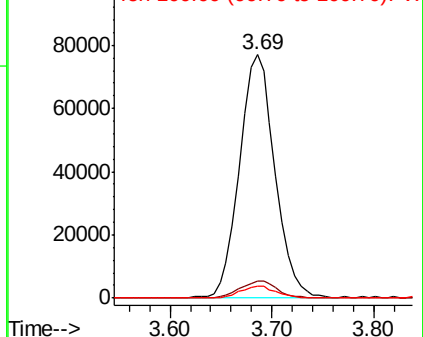
#21

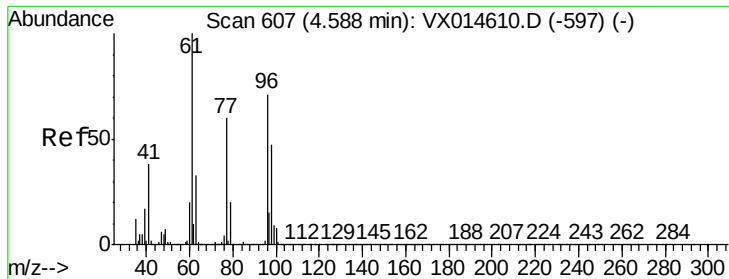
1,1-Dichloroethane
 Concen: 20.739 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion:	63	Resp:	185088
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	5.0	2.5	7.4



Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V



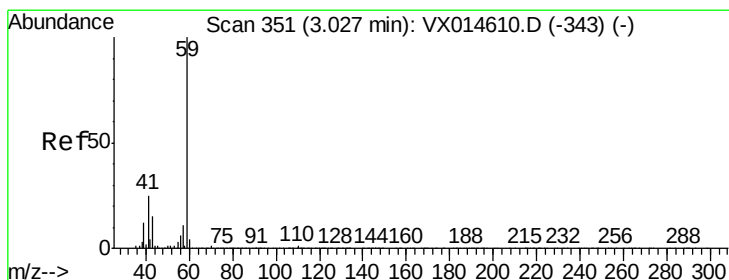
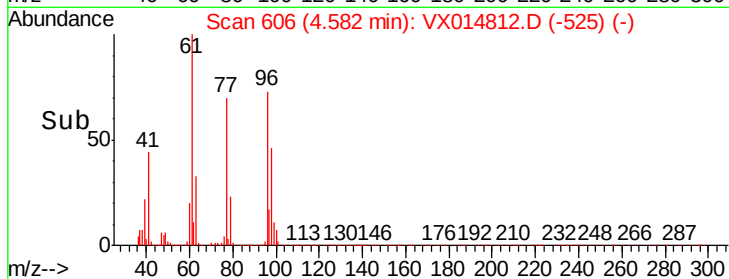
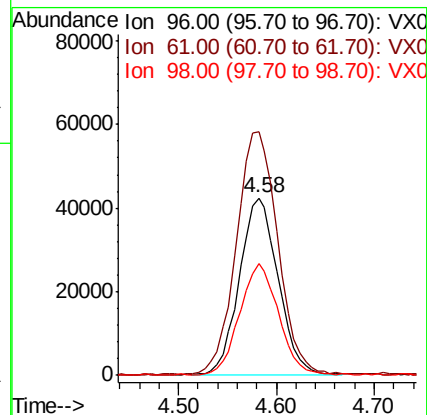
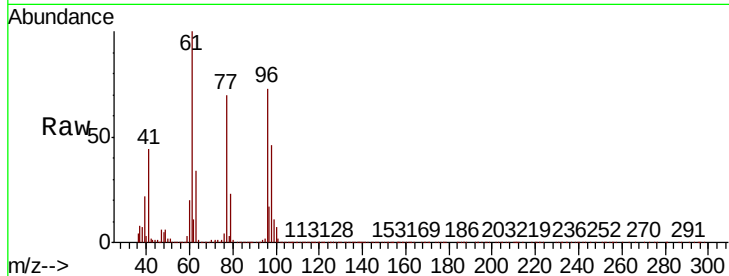


#22

cis-1,2-Dichloroethene
 Concen: 21.077 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

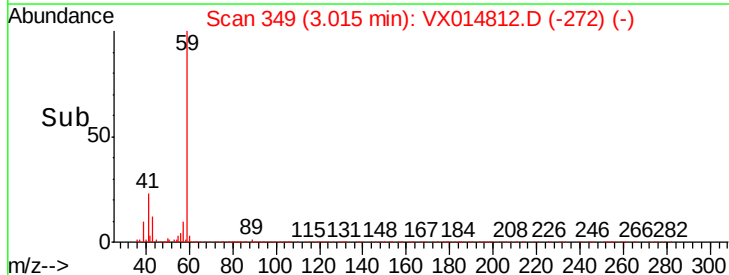
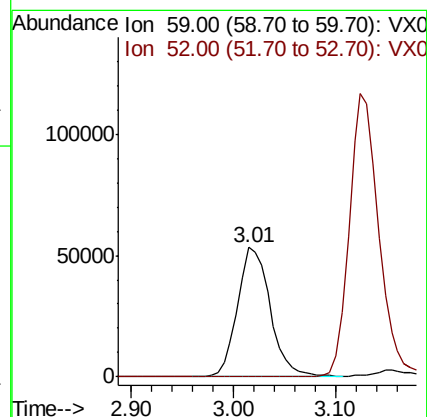
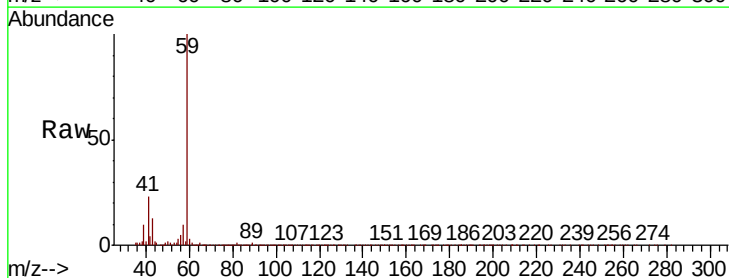
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	112.4	168.6
98	63.2	50.3	75.5

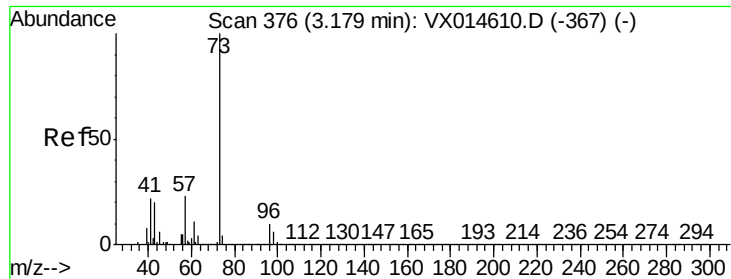


#23

tert-Butyl Alcohol
 Concen: 103.441 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#



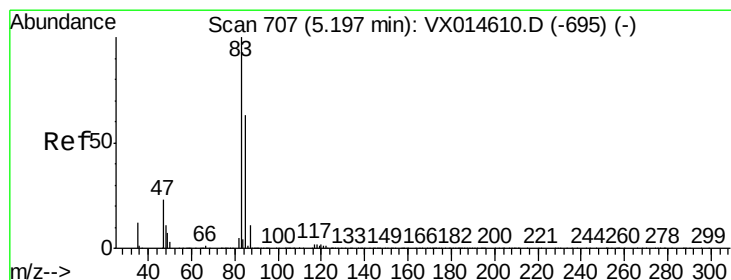
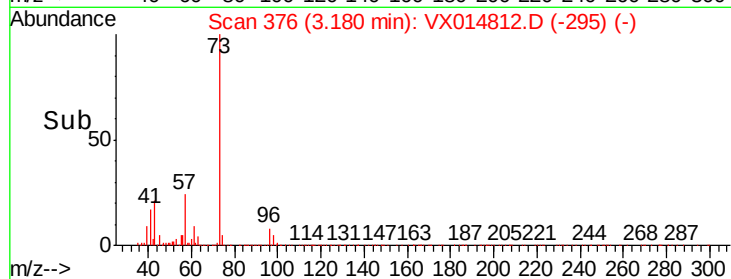
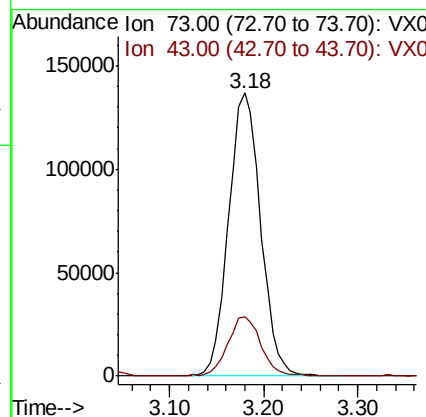
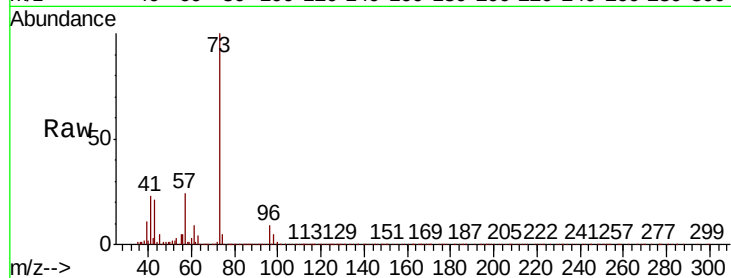


#24

Methyl tert-Butyl Ether
 Concen: 21.546 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

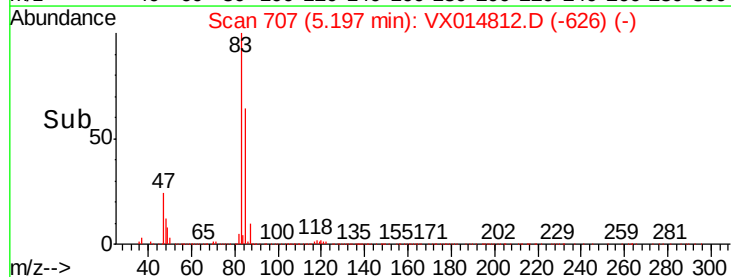
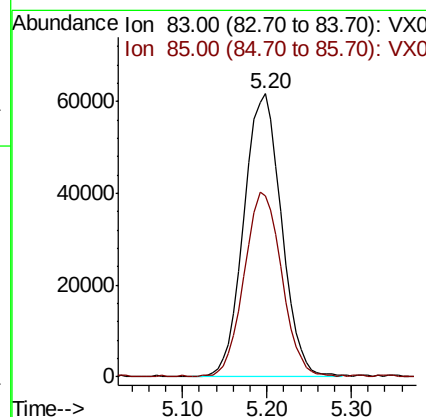
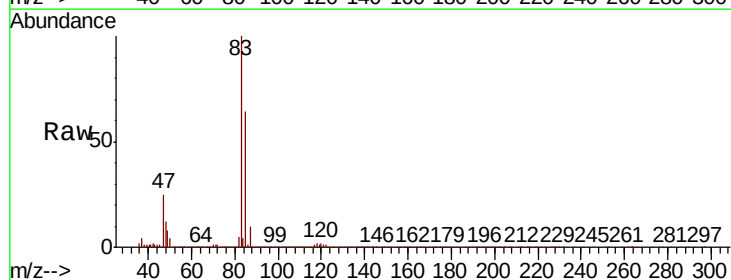
Tot Ion: 73 Resp: 321702
 Ion Ratio Lower Upper
 73 100
 43 21.8 16.6 25.0

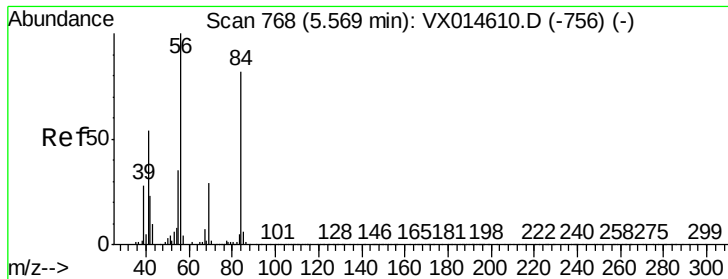


#25

Chloroform
 Concen: 21.563 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion: 83 Resp: 186419
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.7 79.1

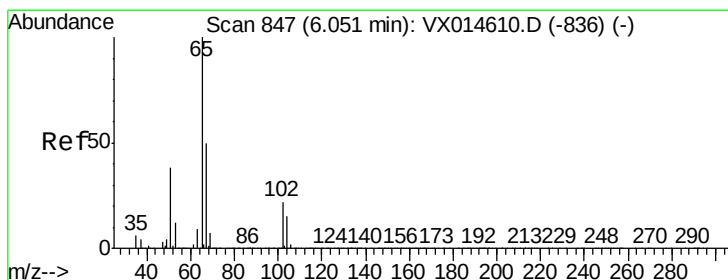
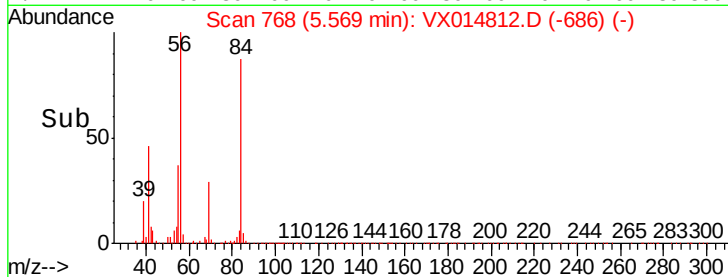
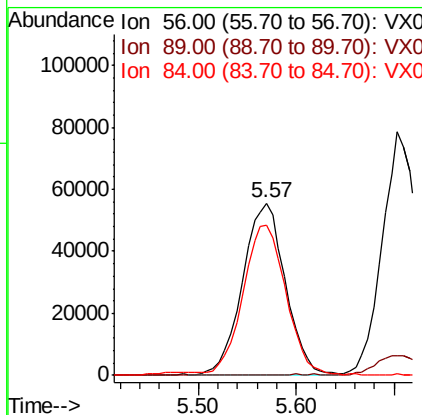
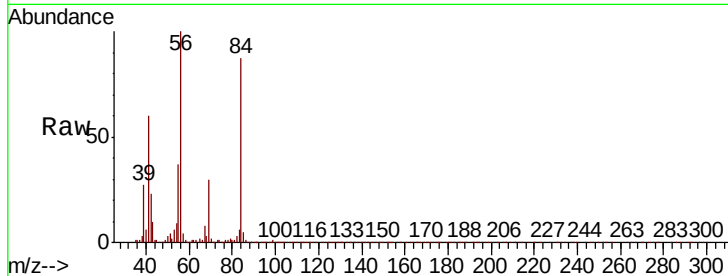




#26
Cyclohexane
Concen: 20.420 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

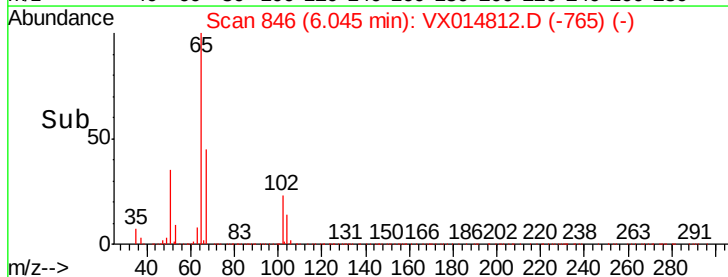
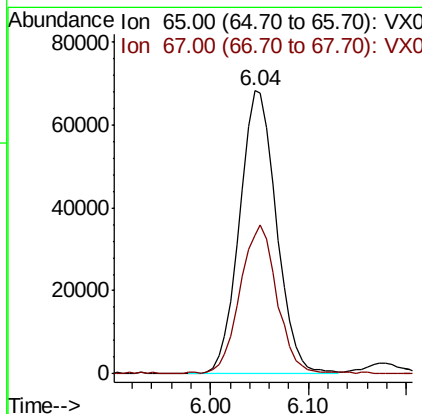
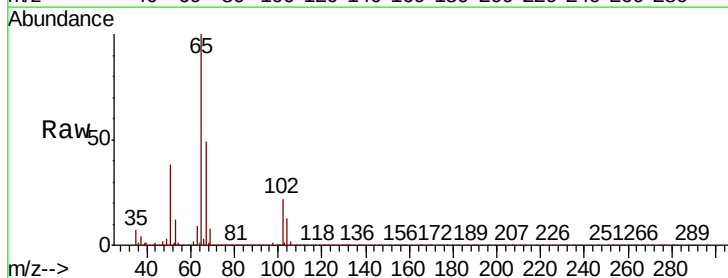
Instrument :
MSVOA_X
ClientSampleId :

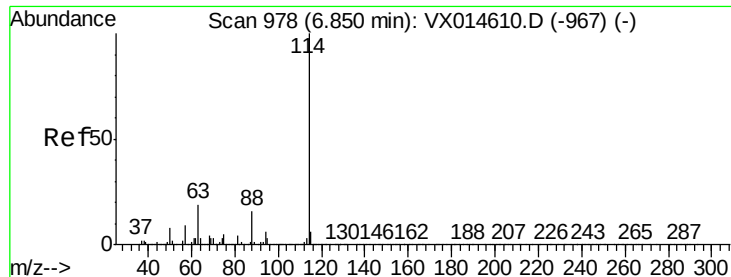
Tot Ion: 56 Resp: 168094
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1#
84 87.8 70.8 106.2



#27
1,2-Dichloroethane-d4
Concen: 31.346 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 65 Resp: 178566
Ion Ratio Lower Upper
65 100
67 51.9 43.1 64.7

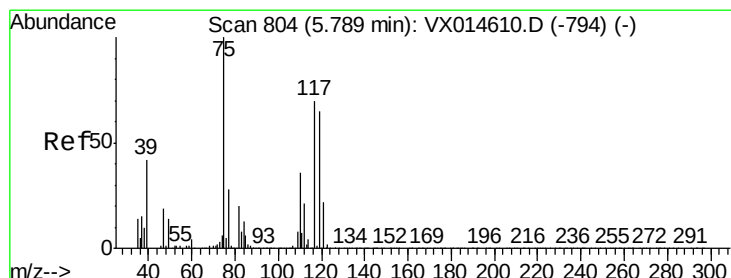
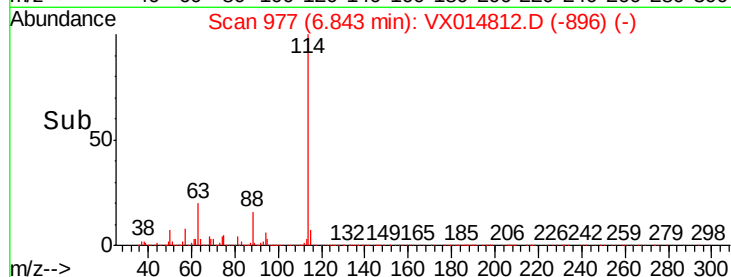
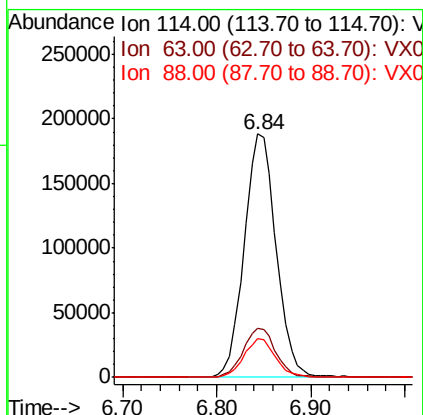
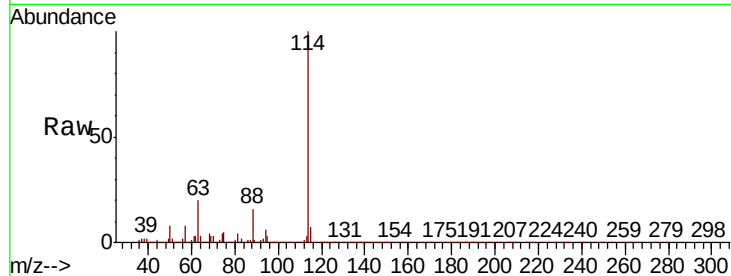




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

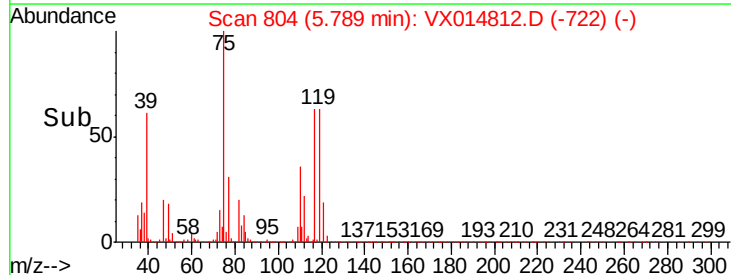
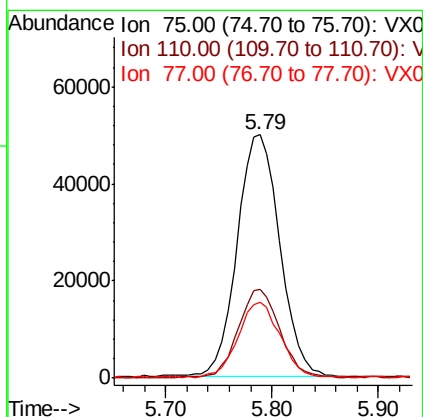
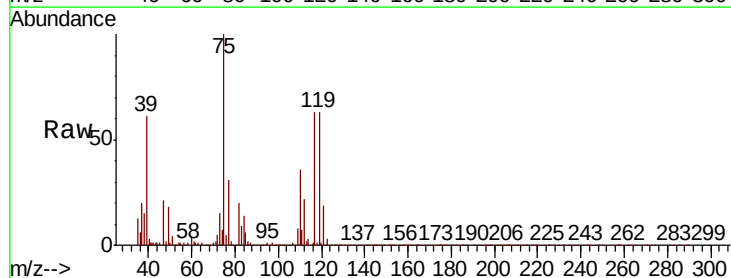
Instrument :
 MSVOA_X
 ClientSampled :

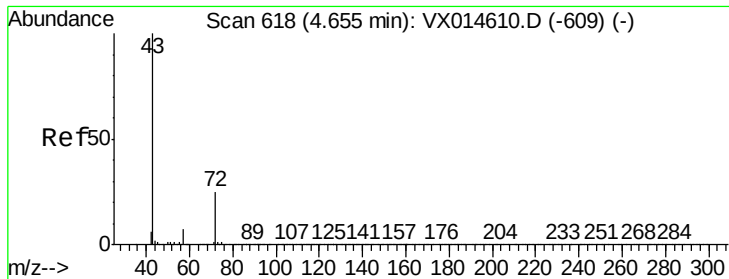
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.6	12.5	18.7



#29
 1,1-Dichloropropene
 Concen: 21.295 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	0.0	73.8
77	31.0	0.0	62.4

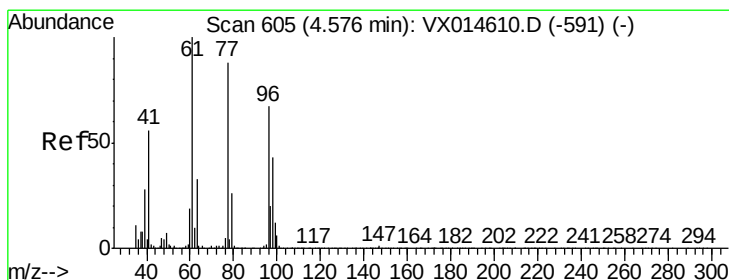
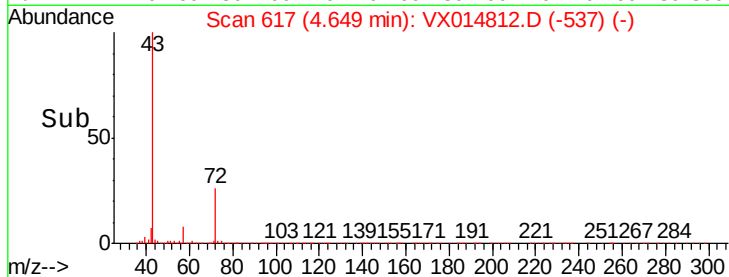
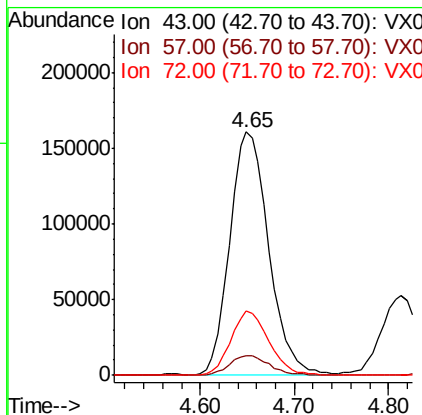
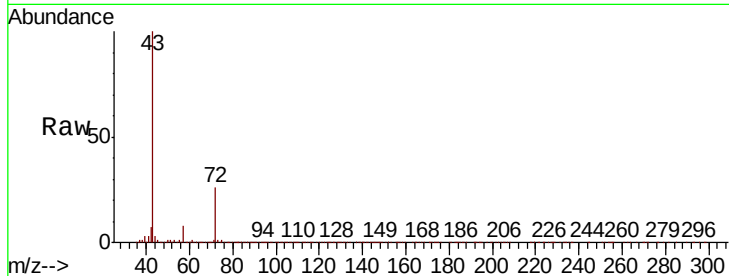




#30
2-Butanone
Concen: 110.665 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

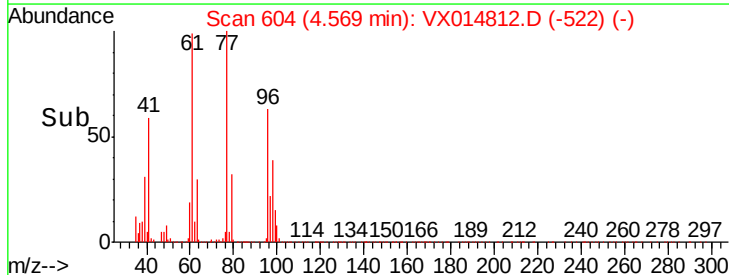
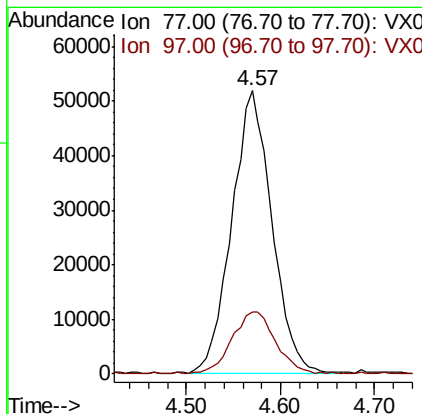
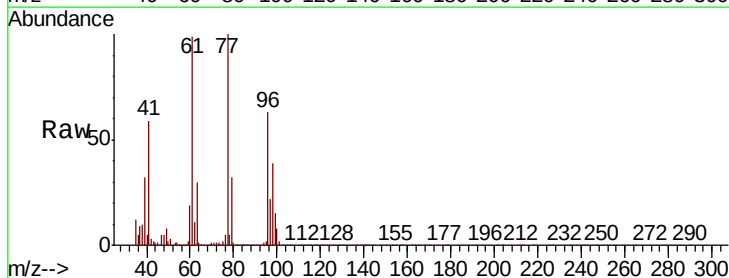
Instrument :
MSVOA_X
ClientSampleId :

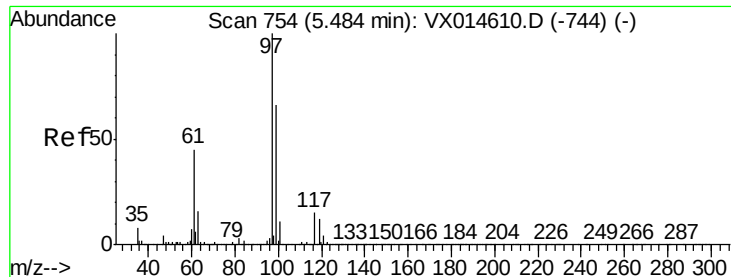
Tot Ion: 43 Resp: 459837
Ion Ratio Lower Upper
43 100
57 8.1 6.2 9.2
72 25.2 20.3 30.5



#31
2,2-Dichloropropane
Concen: 21.852 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 77 Resp: 153372
Ion Ratio Lower Upper
77 100
97 23.5 19.7 29.5





#32

1,1,1-Trichloroethane

Concen: 21.414 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

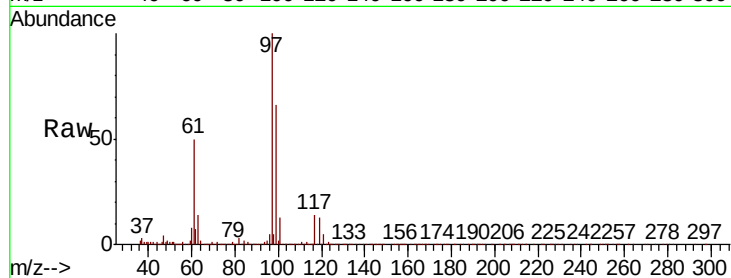
Tot Ion: 97 Resp: 155399

Ion Ratio Lower Upper

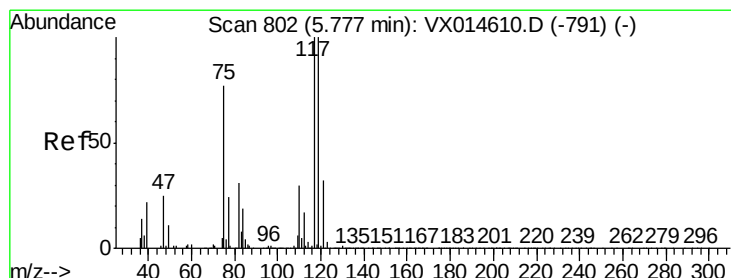
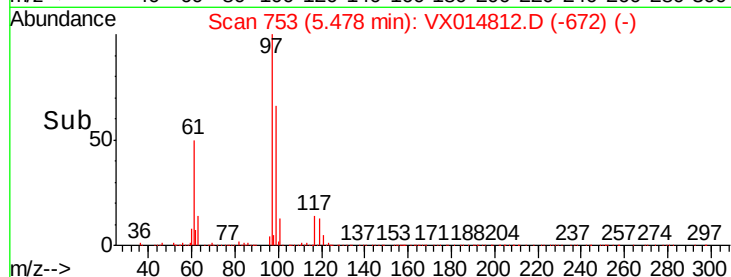
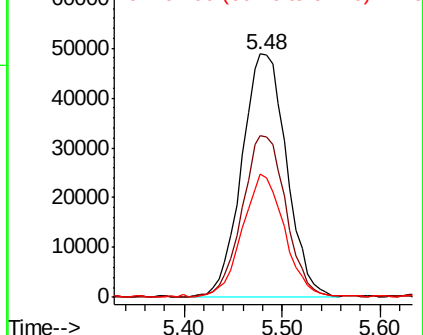
97 100

99 64.8 51.9 77.9

61 46.7 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VX0
Ion 99.00 (98.70 to 99.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 21.809 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

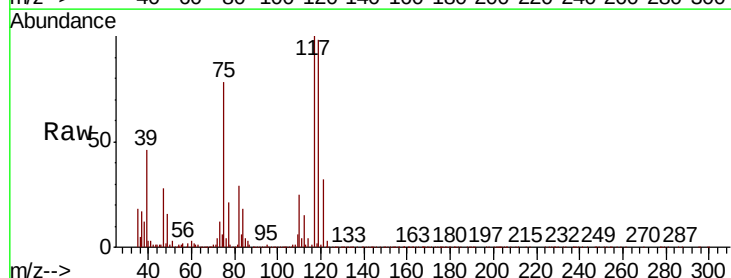
Tgt Ion: 117 Resp: 135877

Ion Ratio Lower Upper

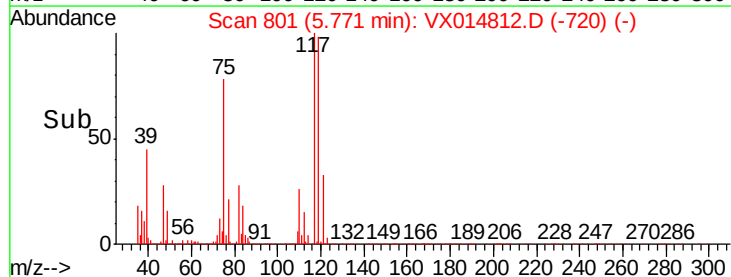
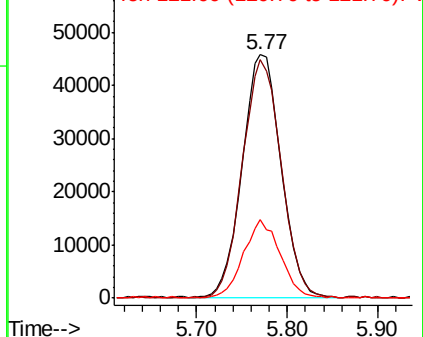
117 100

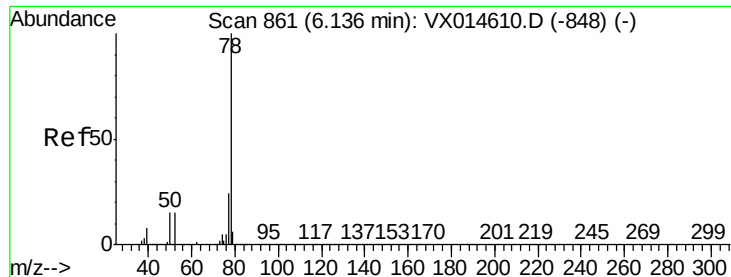
119 97.7 77.2 115.8

121 32.3 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 20.826 ug/l

RT: 6.13 min Scan# 860

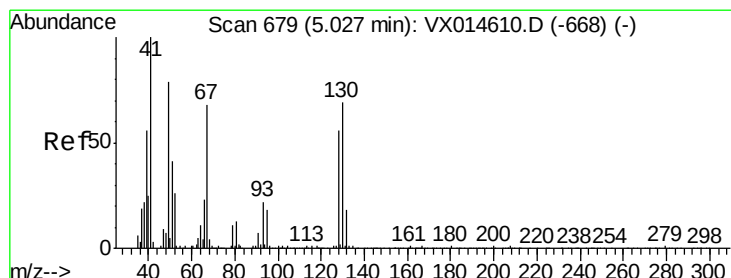
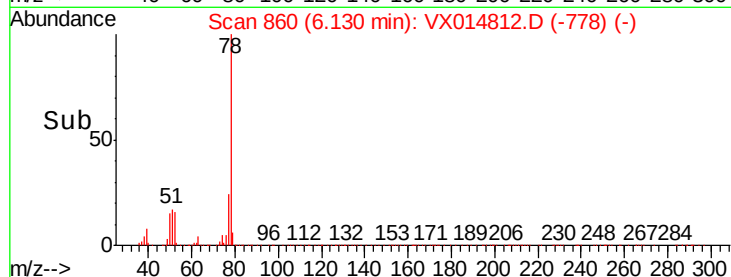
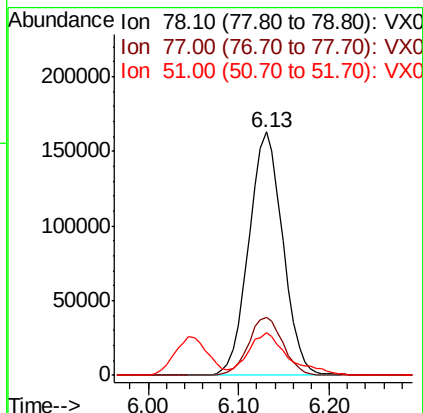
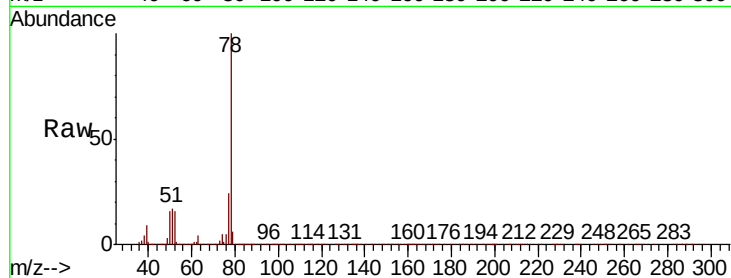
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	78	Resp:	422134
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.2
51	16.8	12.4	18.6



#35

Methacrylonitrile

Concen: 20.123 ug/l

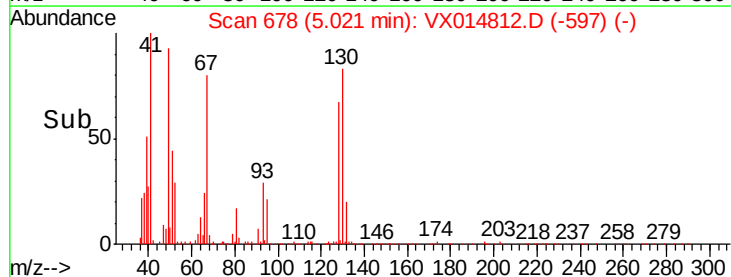
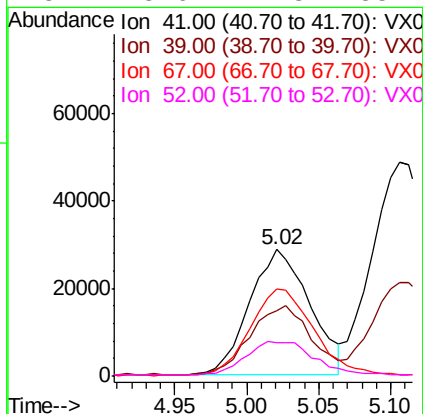
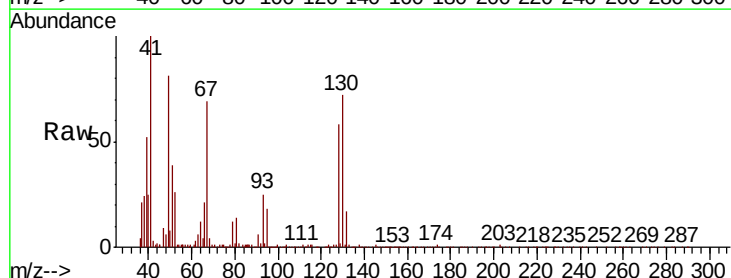
RT: 5.02 min Scan# 678

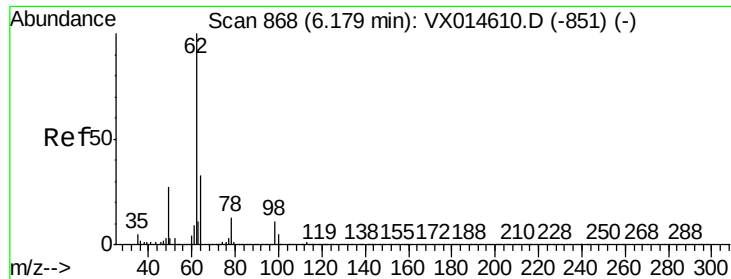
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	41	Resp:	83509
Ion	Ratio	Lower	Upper
41	100		
39	50.9	26.7	80.1
67	68.2	31.5	94.5
52	25.6	12.8	38.4

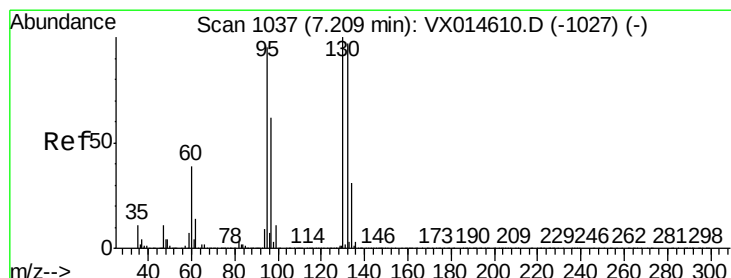
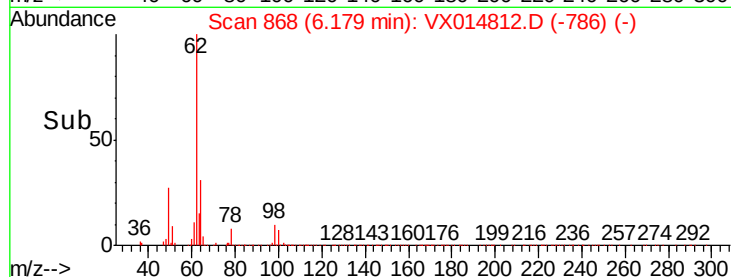
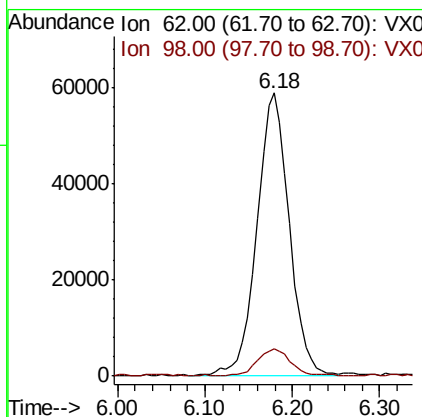
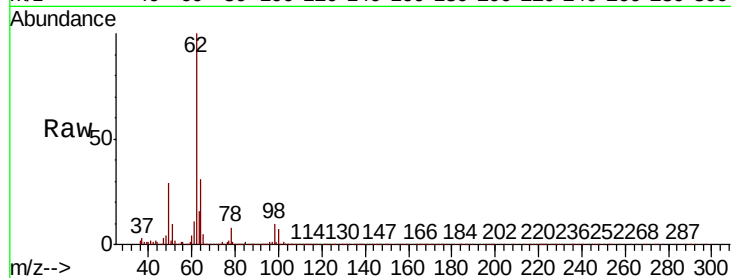




#36
1,2-Dichloroethane
Concen: 21.369 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

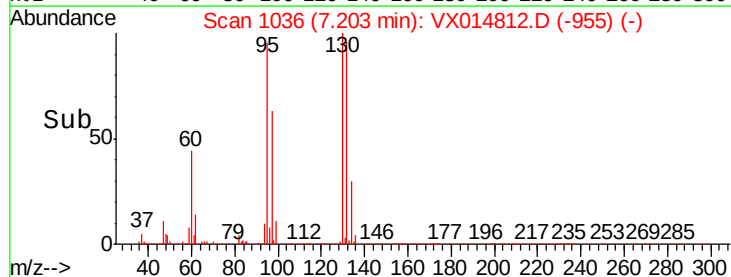
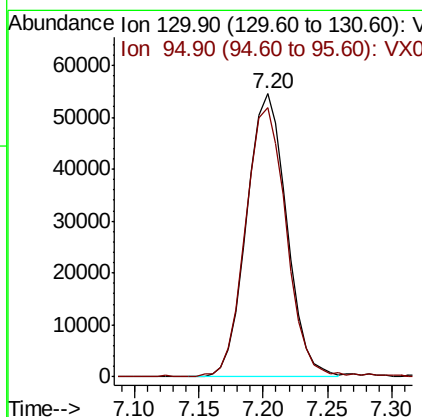
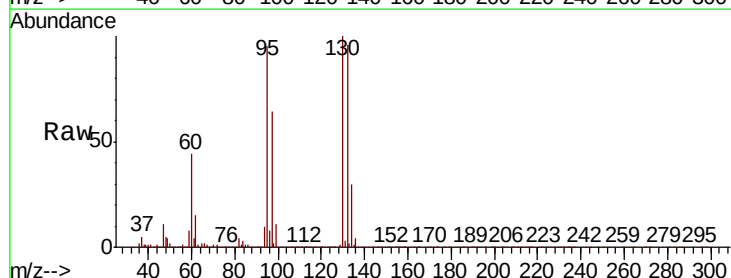
Instrument :
MSVOA_X
ClientSampleId :

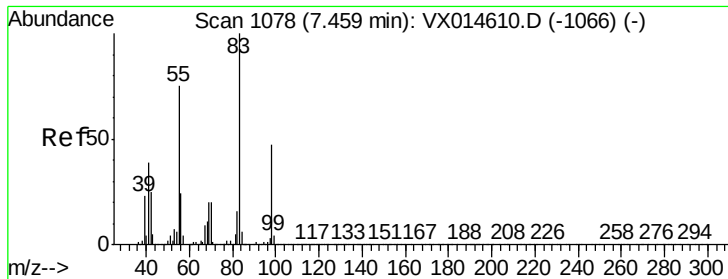
Tot Ion: 62 Resp: 150737
Ion Ratio Lower Upper
62 100
98 9.9 8.4 12.6



#37
Trichloroethene
Concen: 21.132 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion:130 Resp: 117282
Ion Ratio Lower Upper
130 100
95 94.8 71.7 107.5

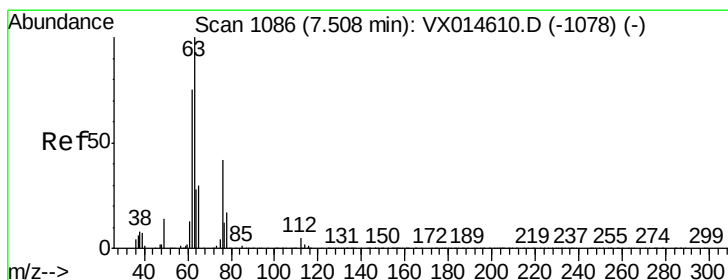
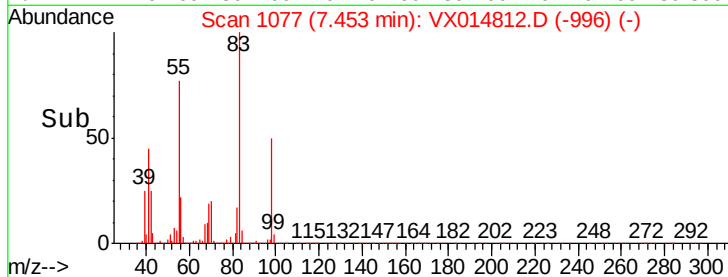
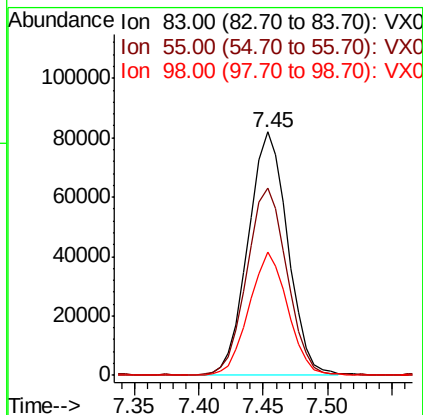
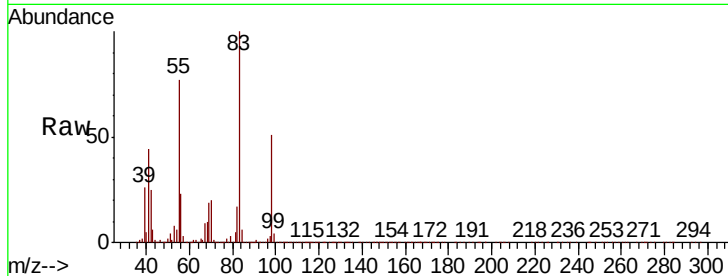




#38
Methylvlcyclohexane
Concen: 21.202 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

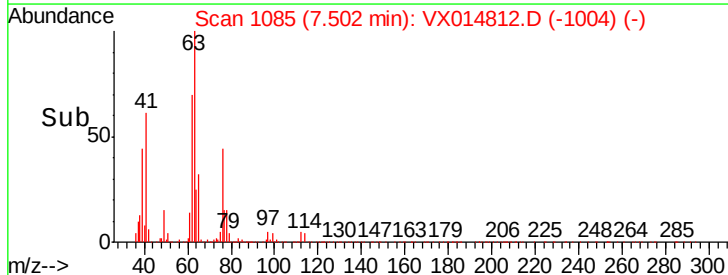
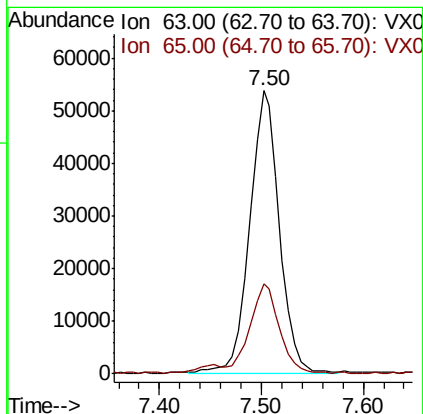
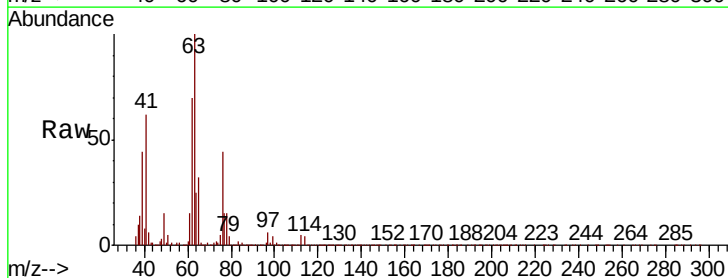
Instrument :
MSVOA_X
ClientSampled :

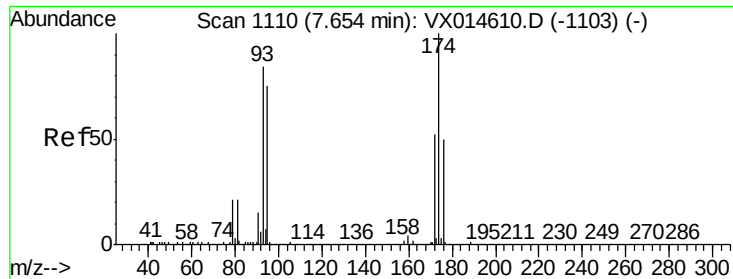
Tot Ion: 83 Resp: 173164
Ion Ratio Lower Upper
83 100
55 77.7 39.4 118.1
98 49.5 25.1 75.3



#39
1,2-Dichloropropane
Concen: 20.523 ug/l
RT: 7.50 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 63 Resp: 108171
Ion Ratio Lower Upper
63 100
65 31.6 22.1 33.1





#40

Dibromomethane

Concen: 20.946 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

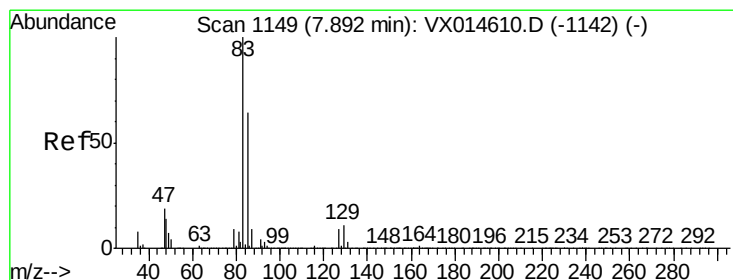
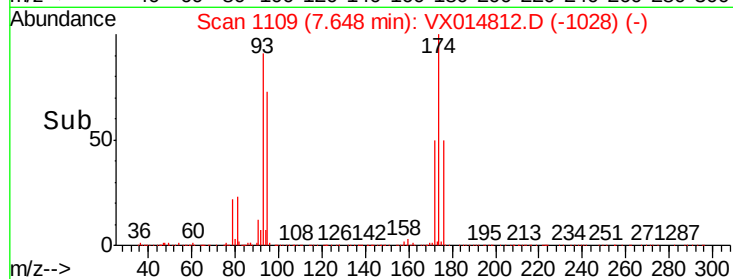
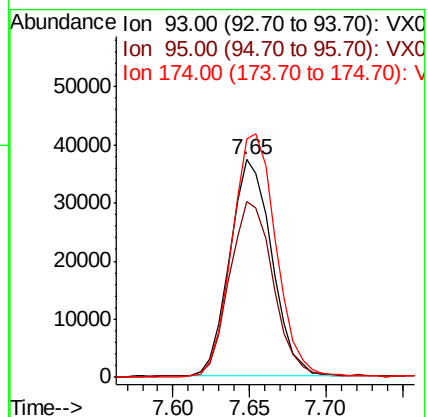
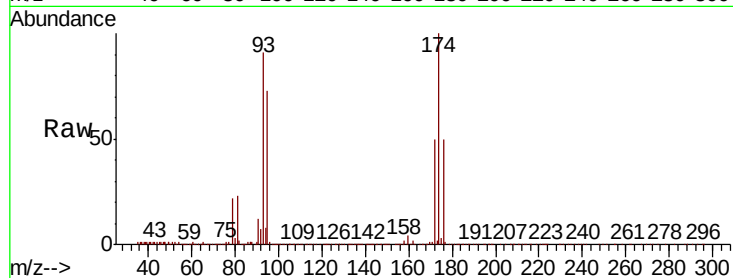
Tot Ion: 93 Resp: 70954

Ion Ratio Lower Upper

93 100

95 83.3 0.0 164.4

174 118.7 0.0 228.8



#41

Bromodichloromethane

Concen: 21.530 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

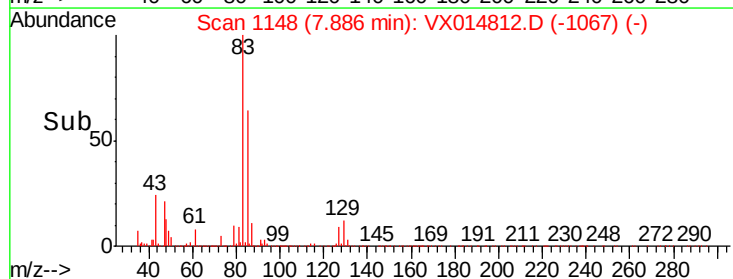
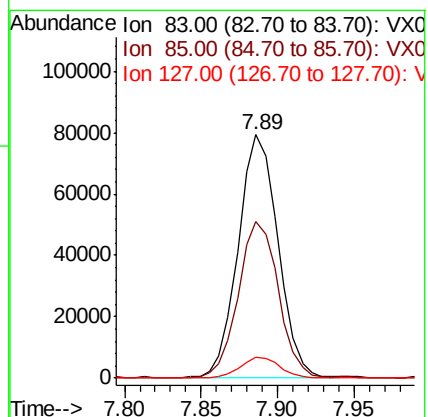
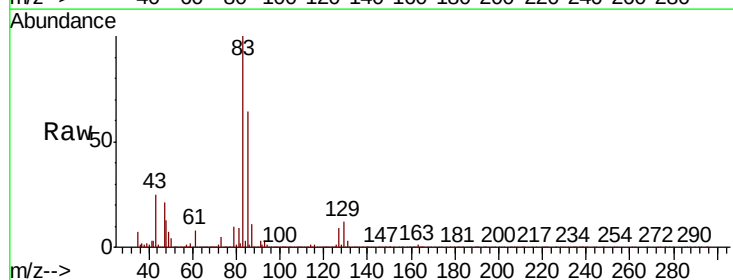
Tgt Ion: 83 Resp: 142818

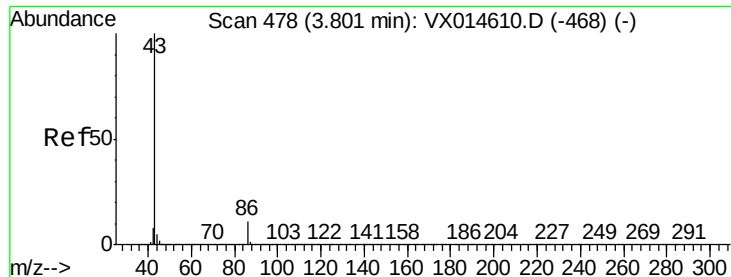
Ion Ratio Lower Upper

83 100

85 64.4 51.6 77.4

127 8.6 6.0 9.0





#42

Vinyl Acetate

Concen: 105.115 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

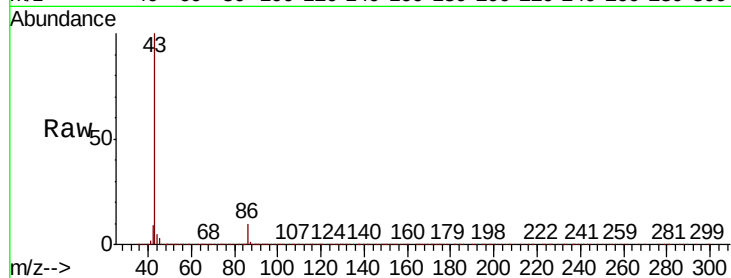
ClientSampleId :

Tot Ion: 43 Resp: 1346229

Ion Ratio Lower Upper

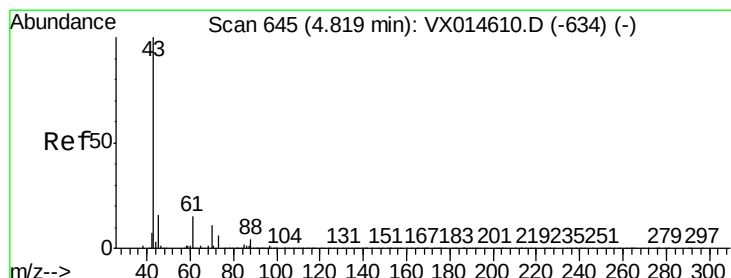
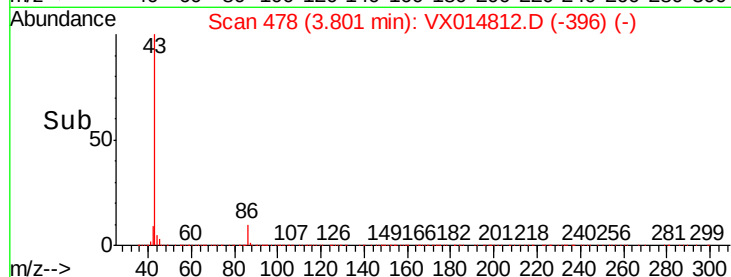
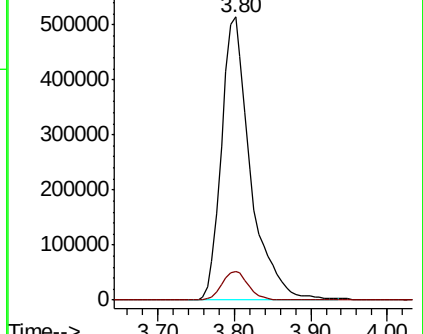
43 100

86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 20.663 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX014812.D

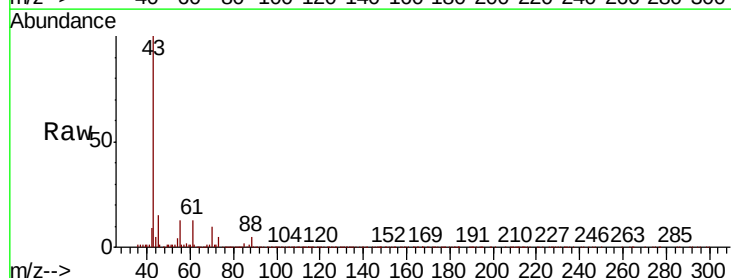
Acq: 05 Feb 2020 10:35

Tgt Ion: 43 Resp: 155428

Ion Ratio Lower Upper

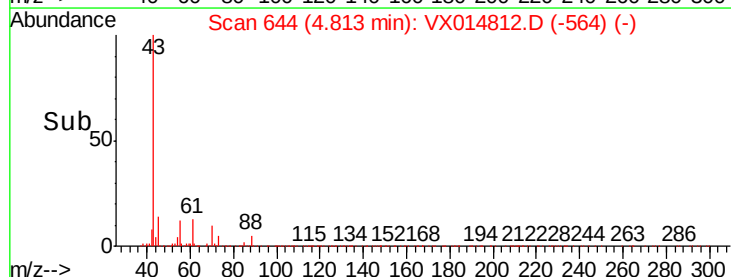
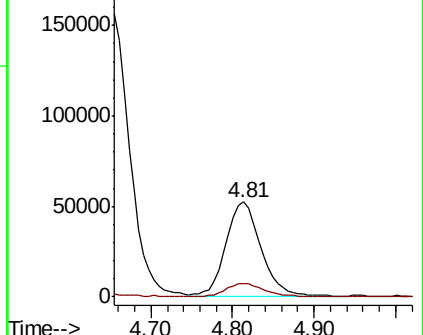
43 100

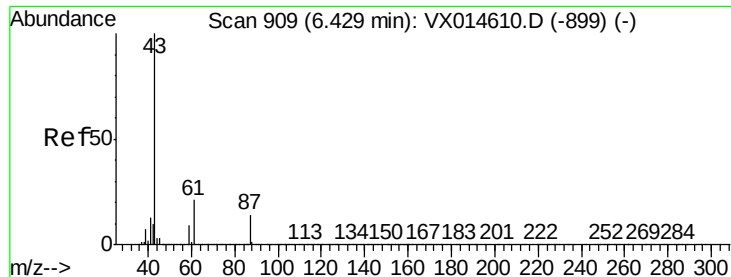
45 15.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



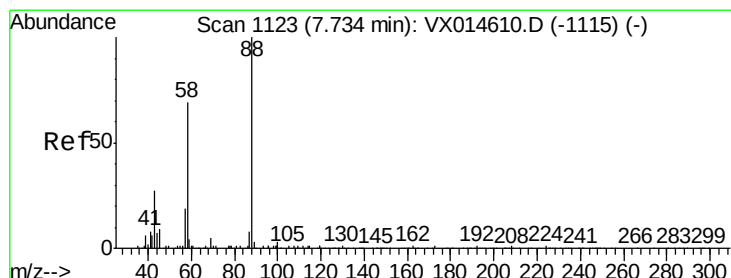
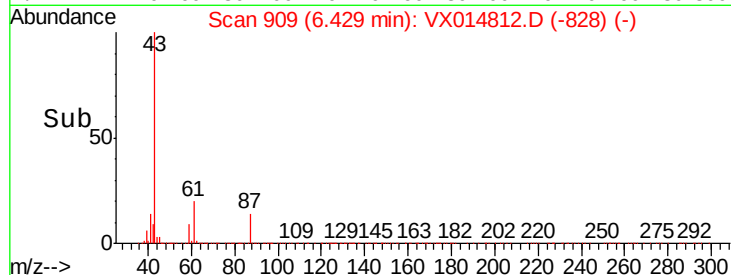
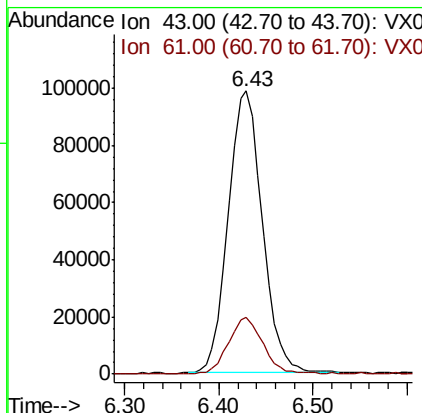
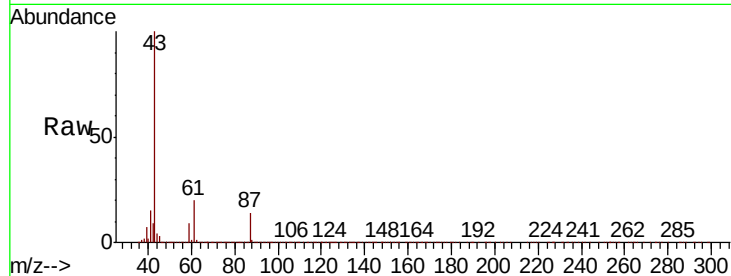


#44

Isopropyl Acetate
 Concen: 20.534 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

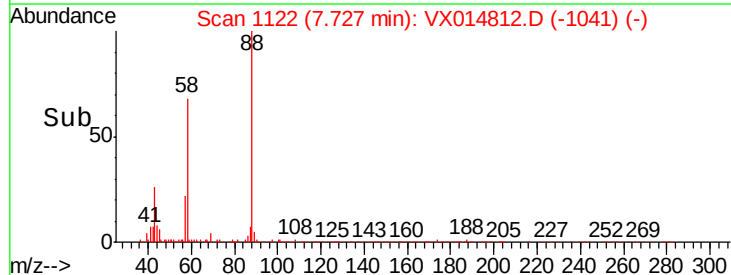
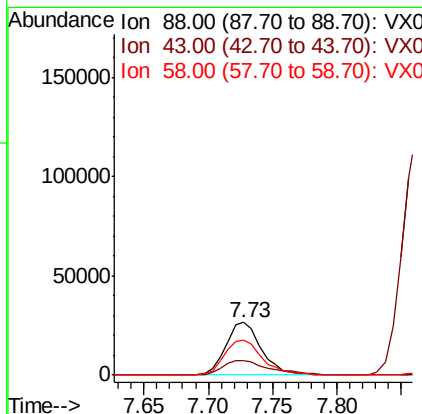
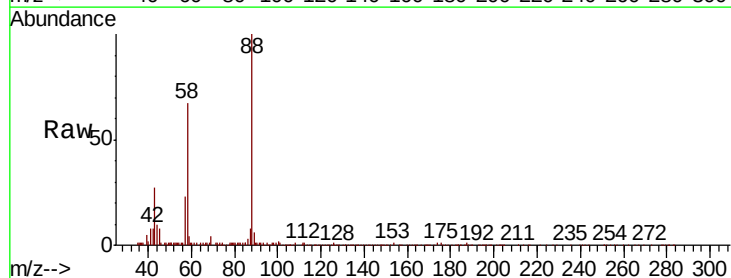
Tot Ion: 43 Resp: 249165
 Ion Ratio Lower Upper
 43 100
 61 19.9 15.9 23.9

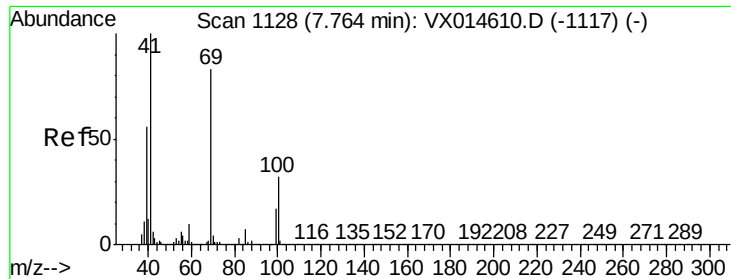


#45

1,4-Dioxane
 Concen: 416.201 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion: 88 Resp: 50519
 Ion Ratio Lower Upper
 88 100
 43 33.7 25.4 38.2
 58 70.0 56.5 84.7





#46

Methyl methacrylate

Concen: 20.694 ug/l

RT: 7.76 min Scan# 1127

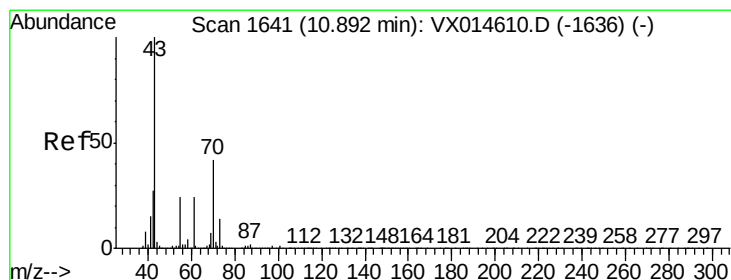
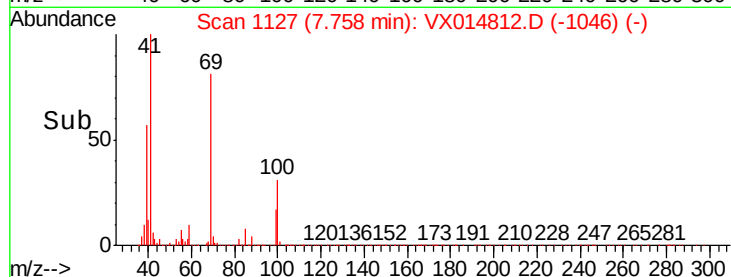
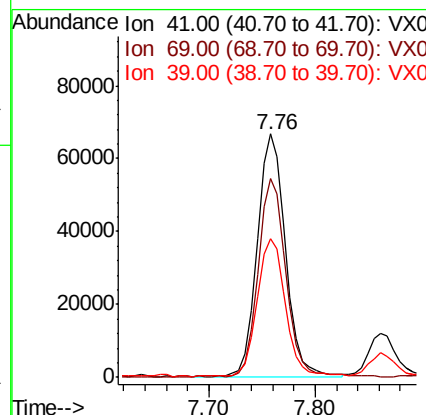
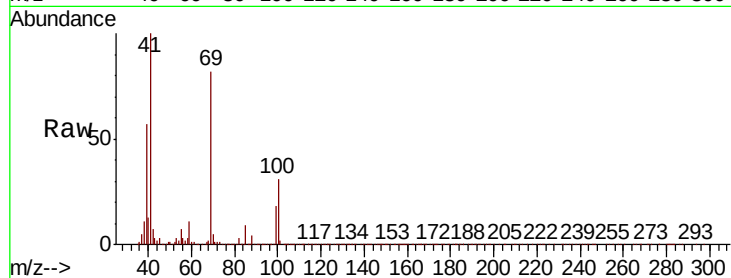
Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	123489
Ion	Ratio	Lower	Upper
41	100		
69	81.8	40.6	122.0
39	56.9	27.8	83.3



#47

n-amyl Acetate

Concen: 20.195 ug/l

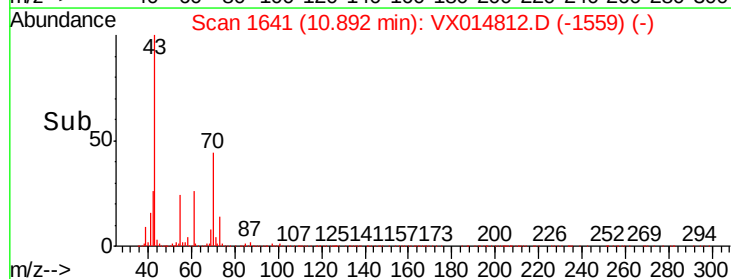
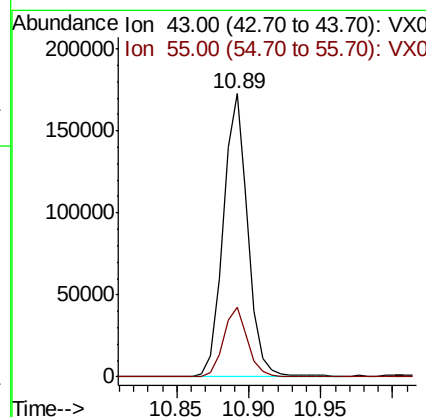
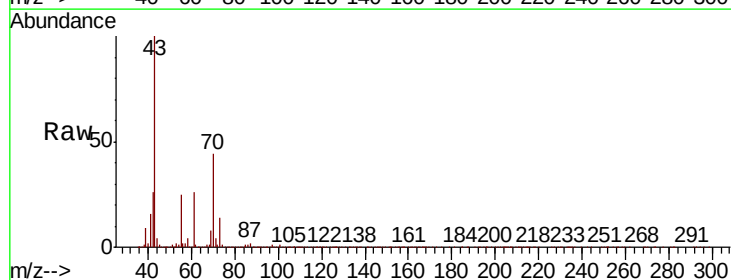
RT: 10.89 min Scan# 1641

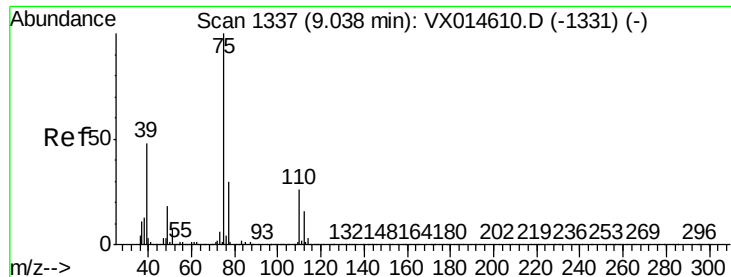
Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Tgt Ion:	43	Resp:	205327
Ion	Ratio	Lower	Upper
43	100		
55	24.5	19.4	29.2

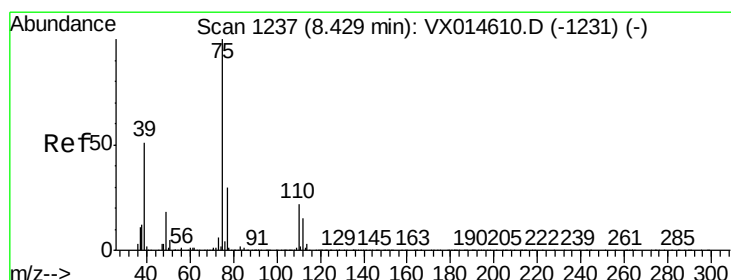
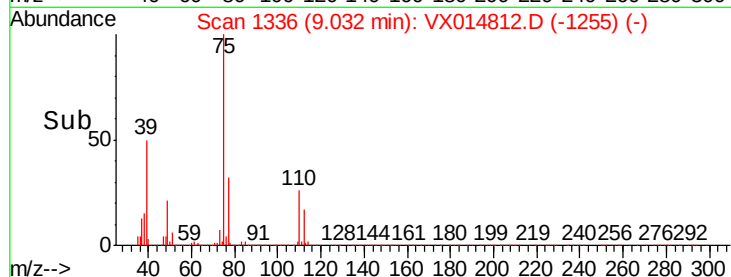
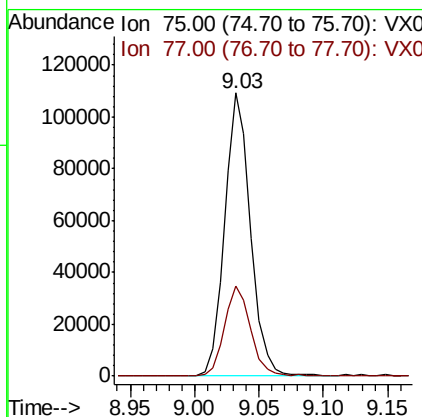
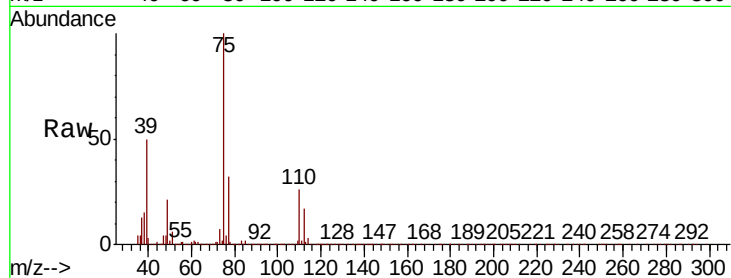




#48
t-1,3-Dichloropropene
Concen: 21.169 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

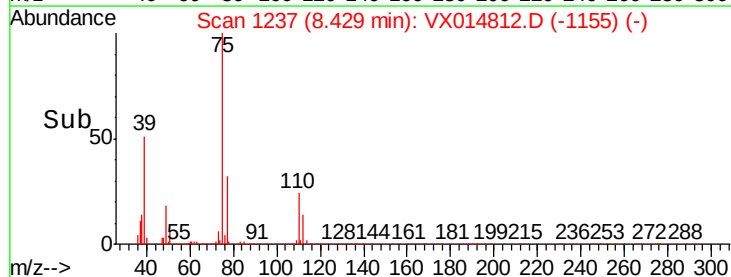
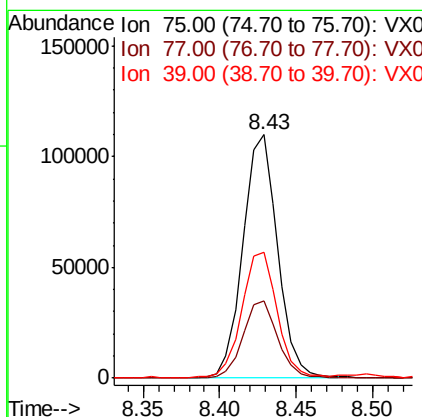
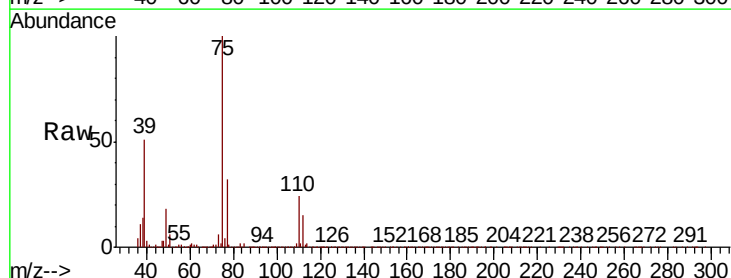
Instrument :
MSVOA_X
ClientSampleId :

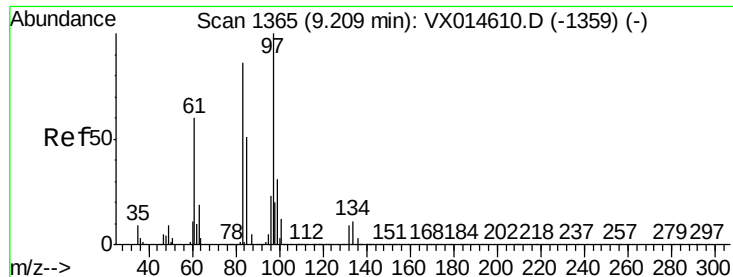
Tot Ion: 75 Resp: 153311
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0



#49
cis-1,3-Dichloropropene
Concen: 21.127 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 75 Resp: 172405
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 51.3 41.1 61.7

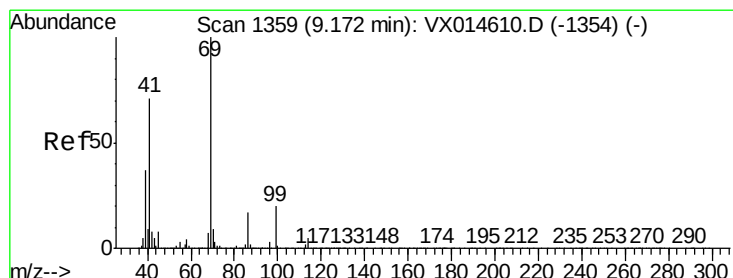
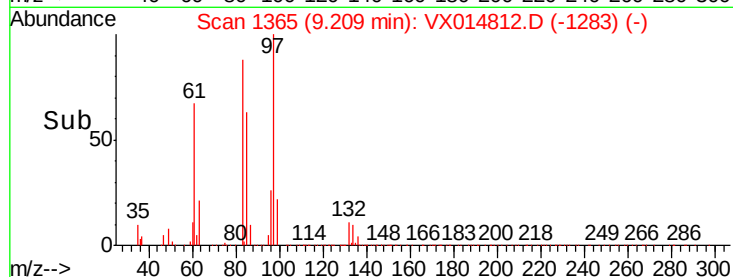
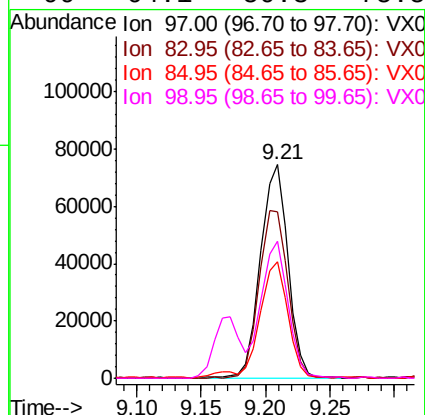
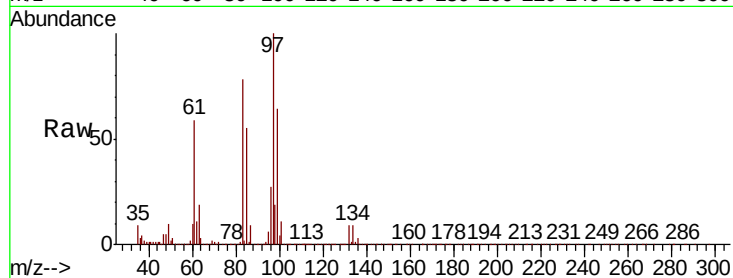




#50
 1,1,2-Trichloroethane
 Concen: 21.398 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

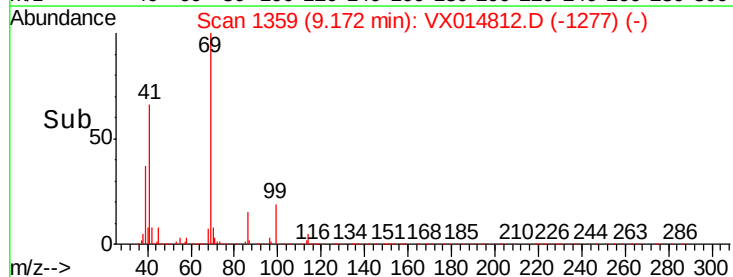
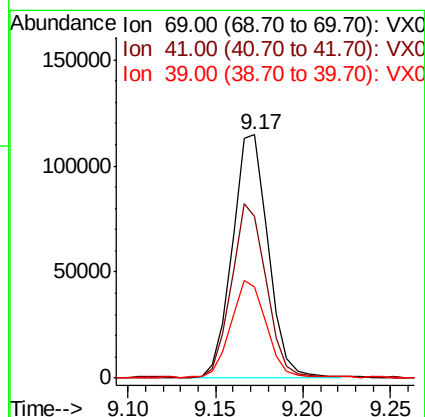
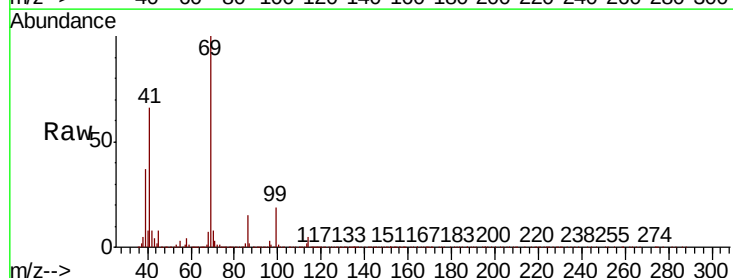
Instrument :
 MSVOA_X
 ClientSampleId :

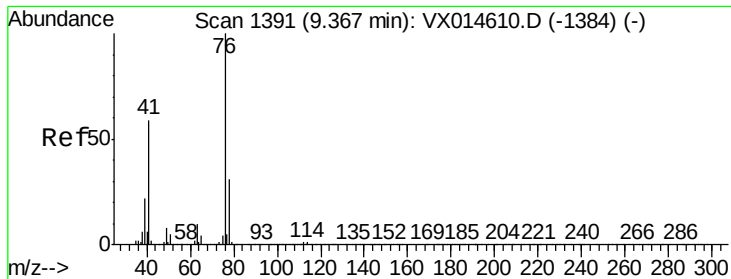
Tot Ion:	97	Resp:	110295
Ion	Ratio	Lower	Upper
97	100		
83	77.7	68.1	102.1
85	54.4	42.7	64.1
99	64.1	50.3	75.5



#51
 Ethyl methacrylate
 Concen: 20.356 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion:	69	Resp:	163372
Ion	Ratio	Lower	Upper
69	100		
41	66.2	35.4	106.1
39	36.9	17.8	53.3





#52

1,3-Dichloropropane

Concen: 21.074 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

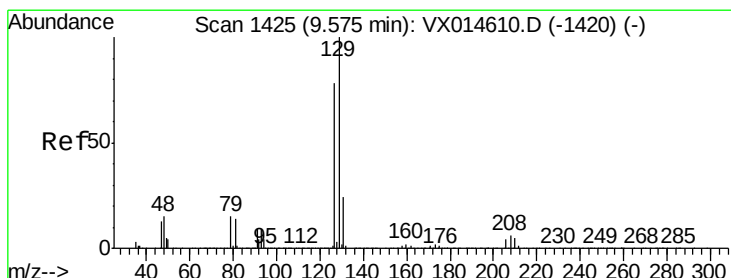
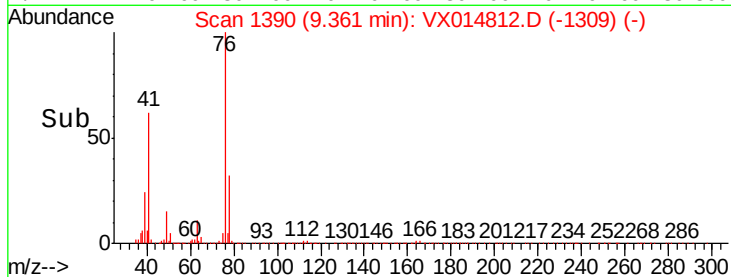
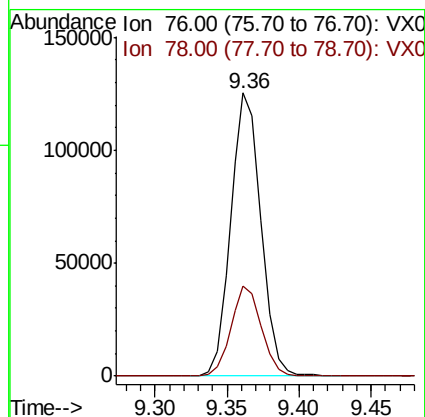
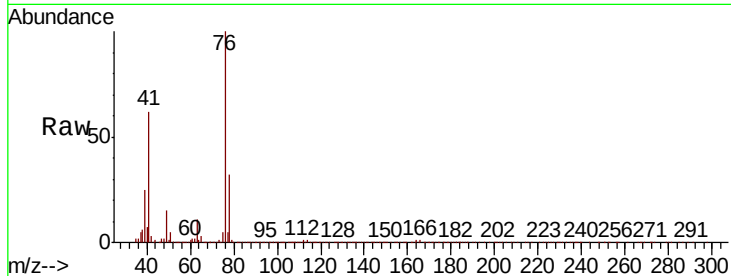
ClientSampled :

Tot Ion: 76 Resp: 184043

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.4



#53

Dibromochloromethane

Concen: 21.911 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014812.D

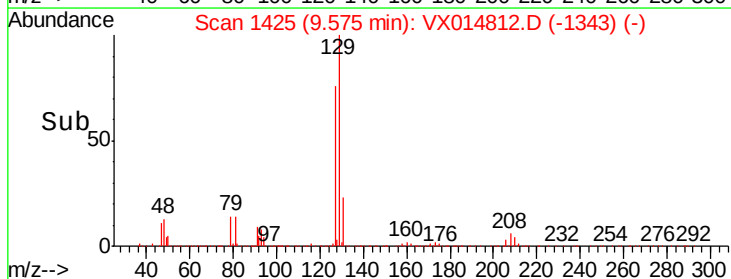
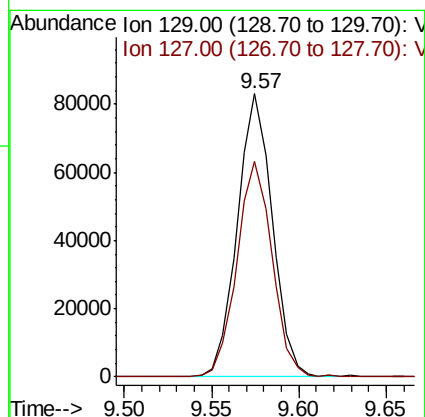
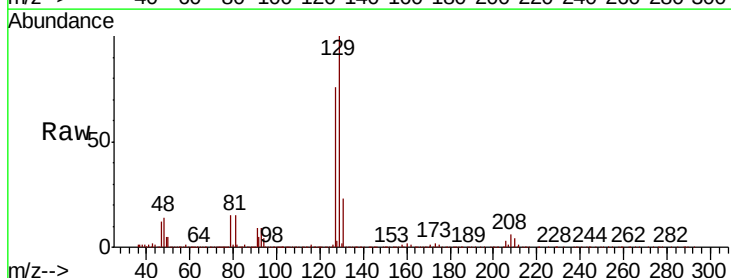
Acq: 05 Feb 2020 10:35

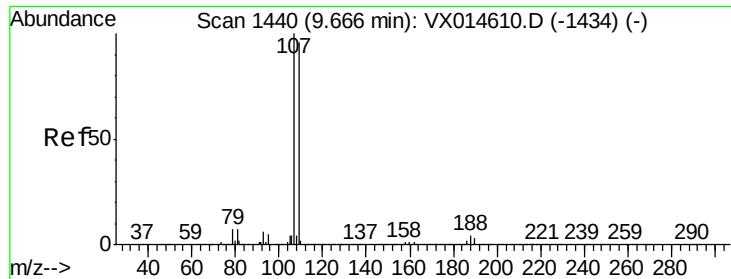
Tgt Ion: 129 Resp: 115520

Ion Ratio Lower Upper

129 100

127 76.8 39.1 117.5

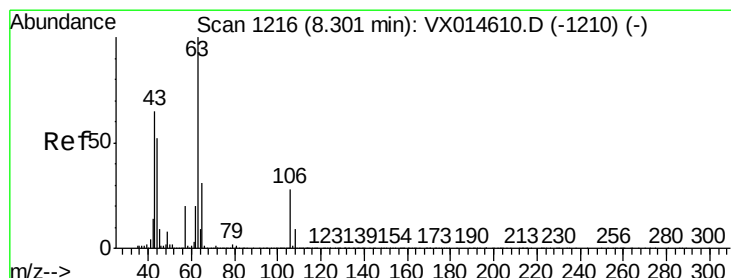
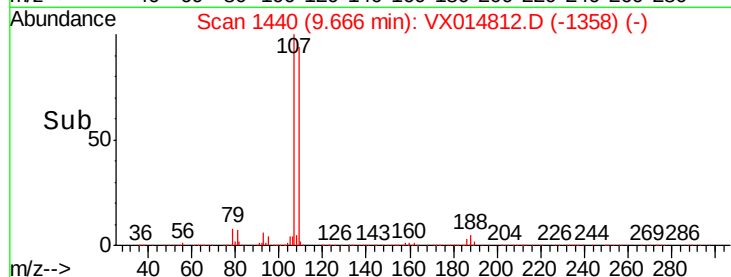
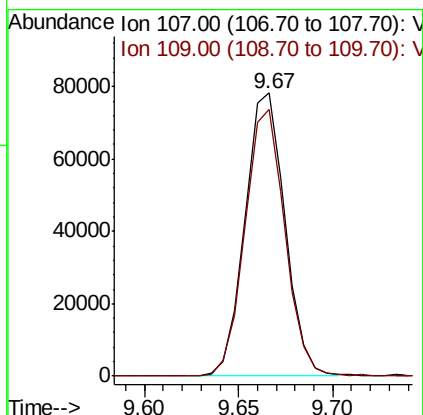
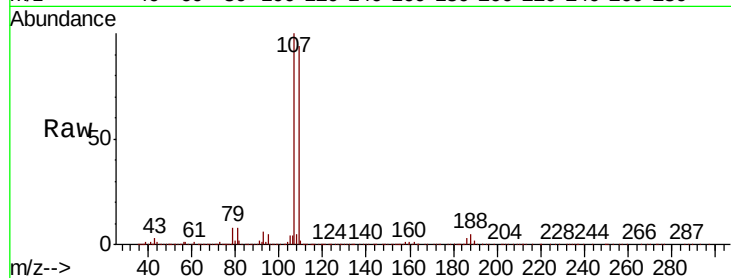




#54
 1,2-Dibromoethane
 Concen: 21.446 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

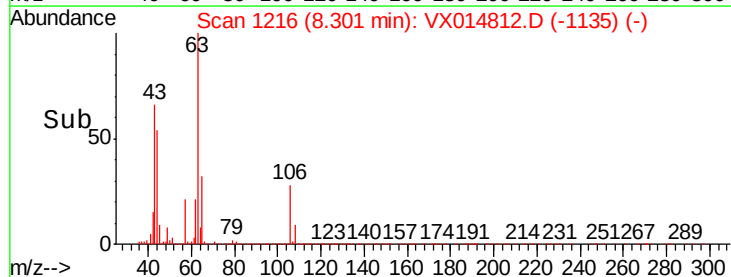
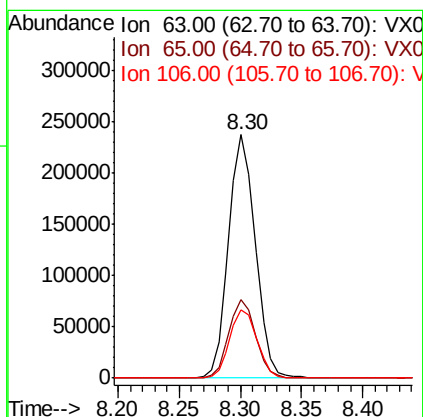
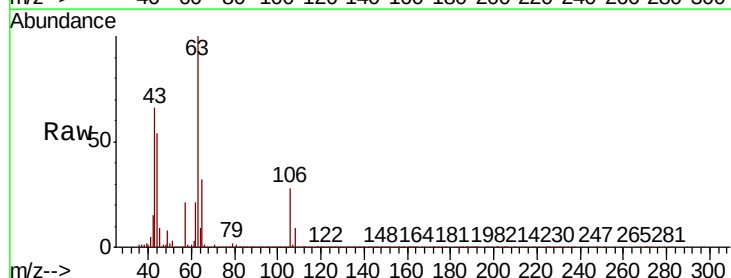
Instrument :
 MSVOA_X
 ClientSampleId :

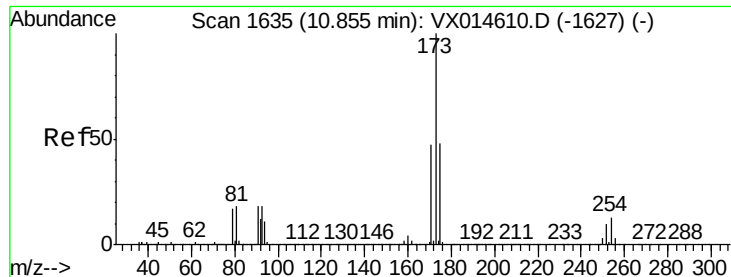
Tot Ion:107 Resp: 114646
 Ion Ratio Lower Upper
 107 100
 109 93.5 77.2 115.8



#55
 2-Chloroethyl vinyl ether
 Concen: 97.372 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion: 63 Resp: 359149
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.8 38.6
 106 28.6 22.9 34.3





#56

Bromoform

Concen: 21.262 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

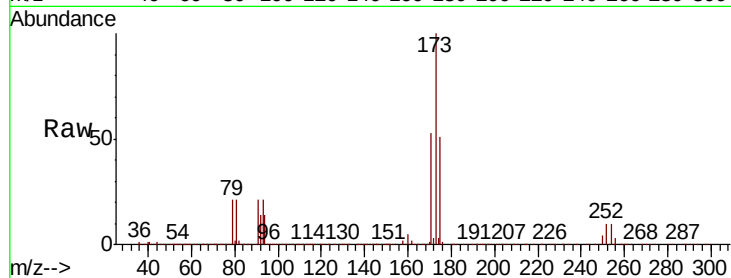
Tot Ion:173 Resp: 86346

Ion Ratio Lower Upper

173 100

175 49.4 39.5 59.3

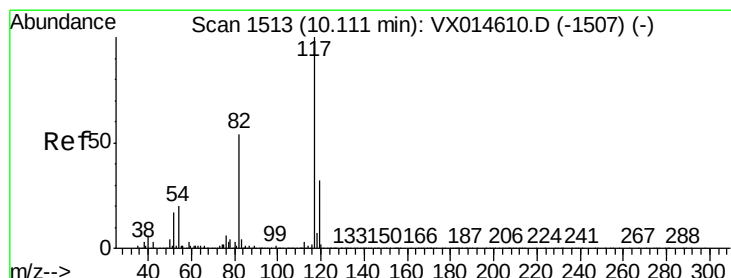
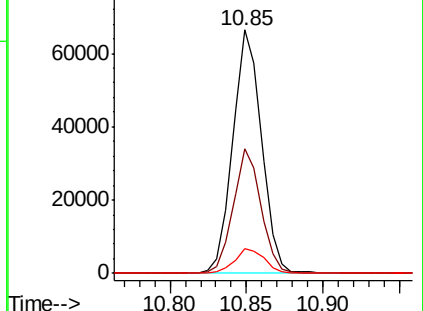
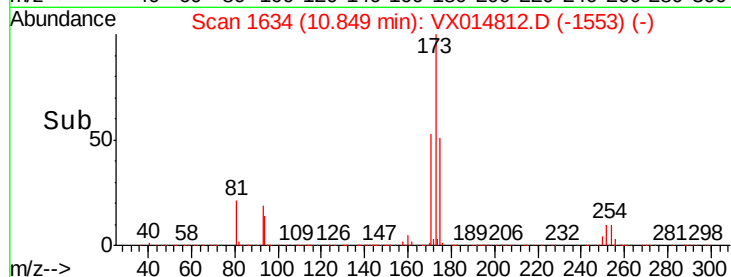
254 10.6 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

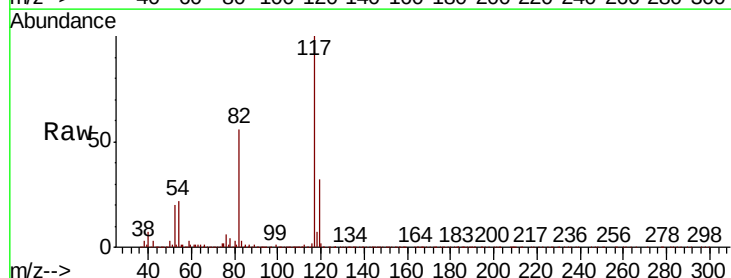
Tgt Ion:117 Resp: 403845

Ion Ratio Lower Upper

117 100

82 54.5 43.8 65.6

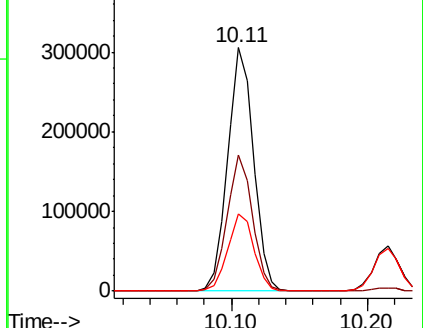
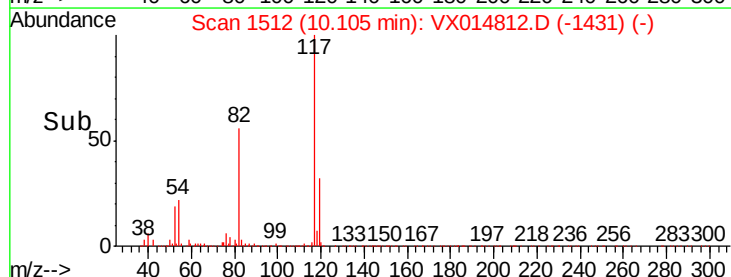
119 32.0 25.8 38.6

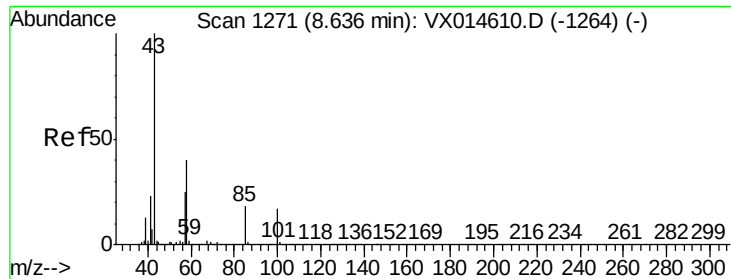


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

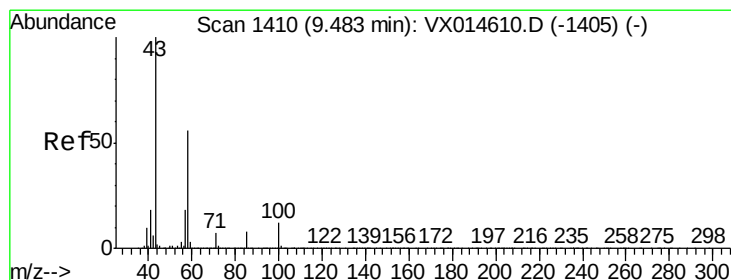
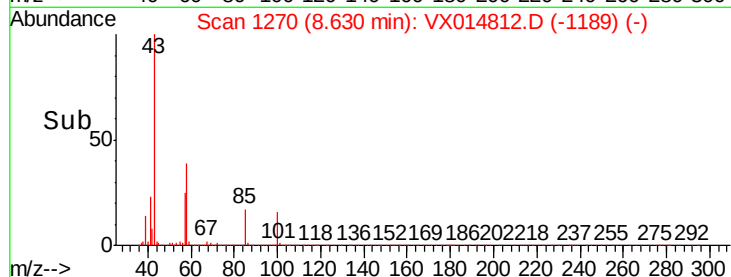
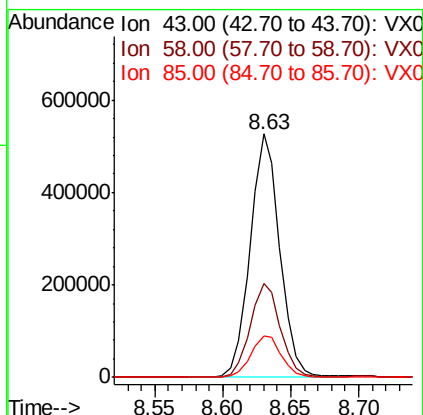
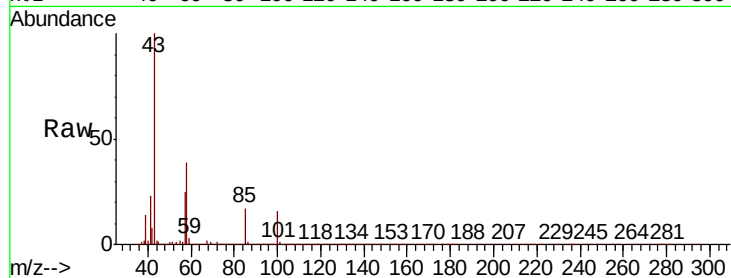




#58
4-Methyl-2-Pentanone
Concen: 105.649 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

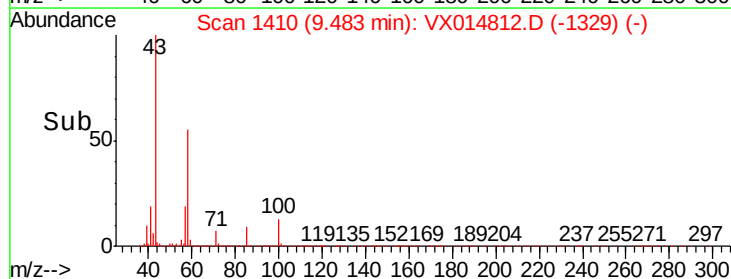
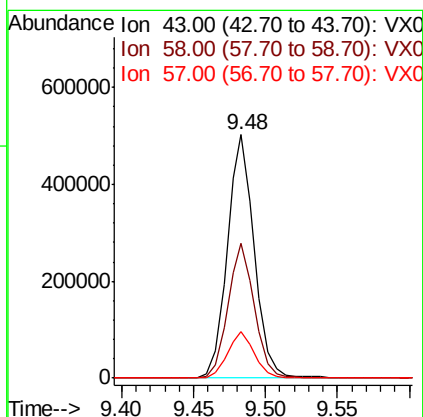
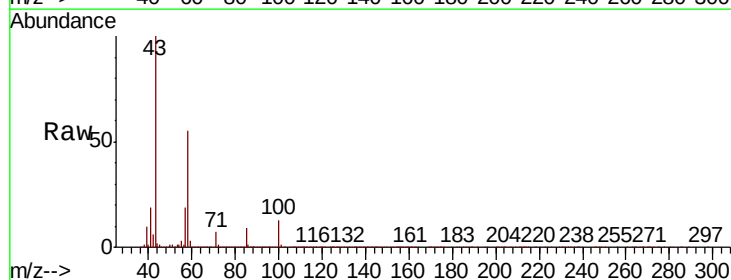
Instrument :
MSVOA_X
ClientSampleId :

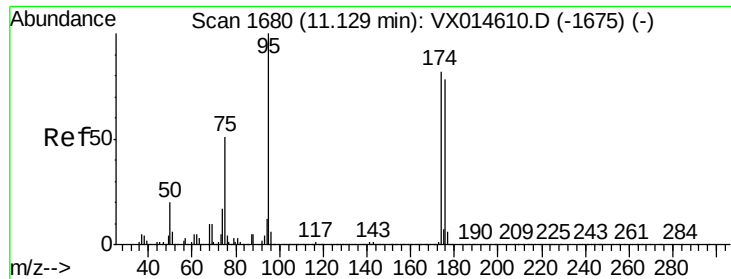
Tot Ion:	43	Resp:	803466
Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.2	46.8
85	17.6	14.2	21.2



#59
2-Hexanone
Concen: 111.853 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion:	43	Resp:	657877
Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.8	65.6
57	19.0	15.4	23.0

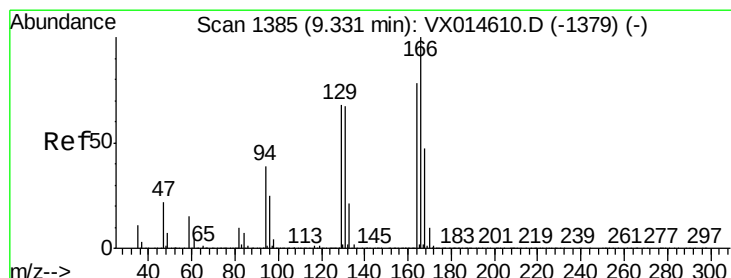
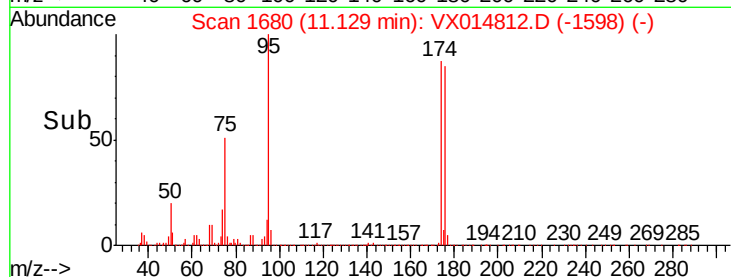
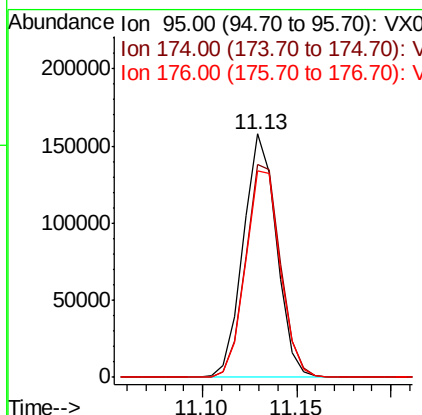
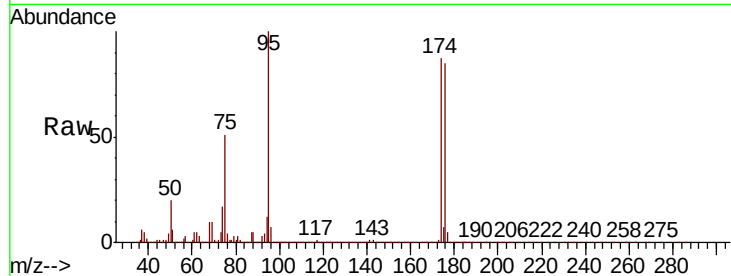




#60
4-Bromofluorobenzene
Concen: 29.793 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

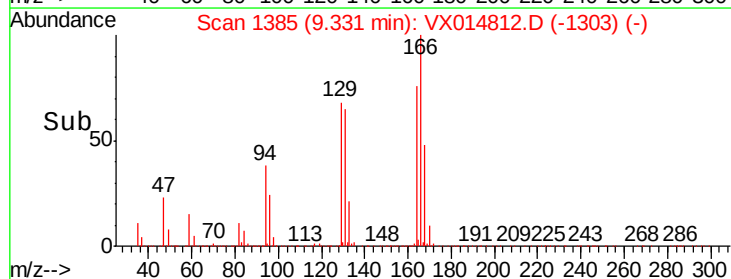
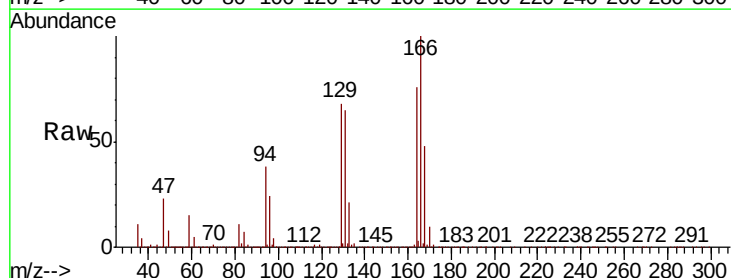
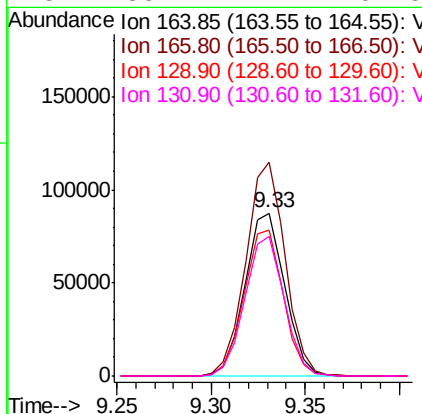
Instrument :
MSVOA_X
ClientSampleId :

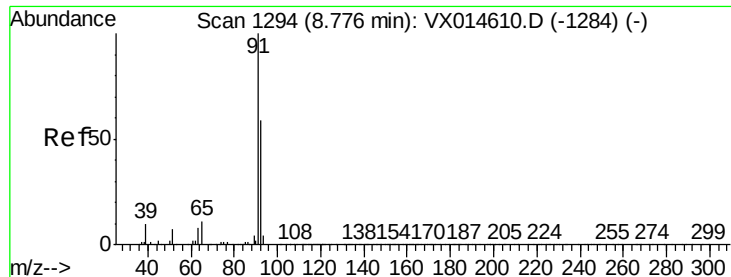
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.8	70.2	105.2
176	89.4	68.3	102.5



#61
Tetrachloroethene
Concen: 21.534 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	104.2	156.2
129	89.2	71.6	107.4
131	85.4	71.7	107.5





#62

Toluene

Concen: 21.334 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

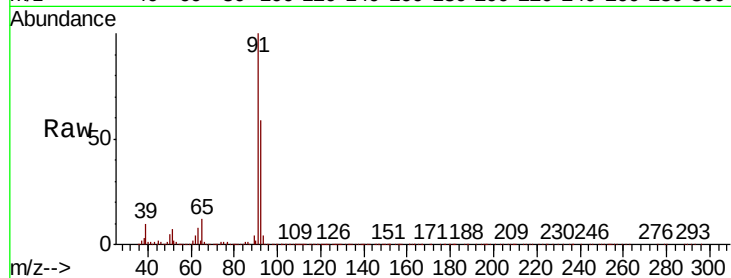
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 457093

Ion Ratio Lower Upper

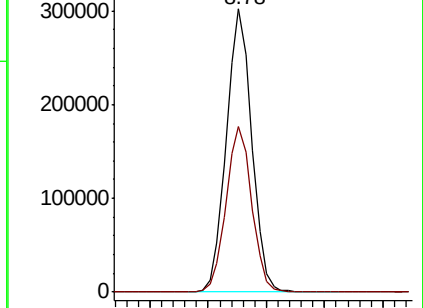
91 100

92 59.0 46.4 69.6

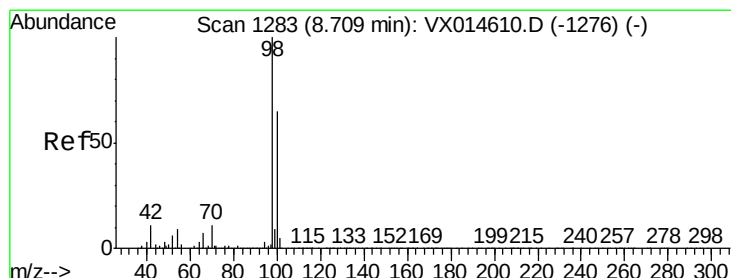
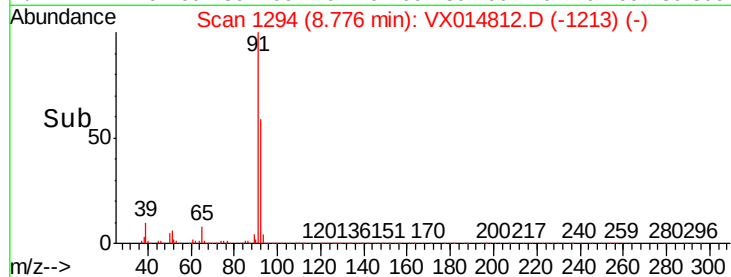


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



Time-->



#63

Toluene-d8

Concen: 30.153 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014812.D

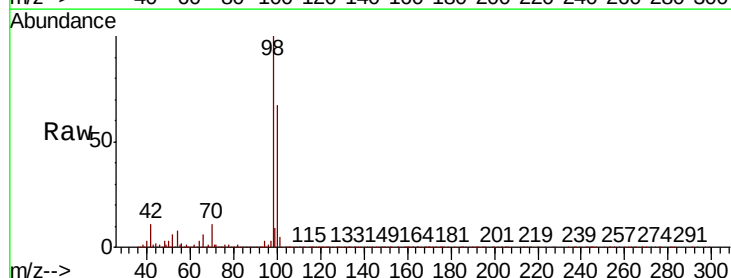
Acq: 05 Feb 2020 10:35

Tgt Ion: 98 Resp: 550028

Ion Ratio Lower Upper

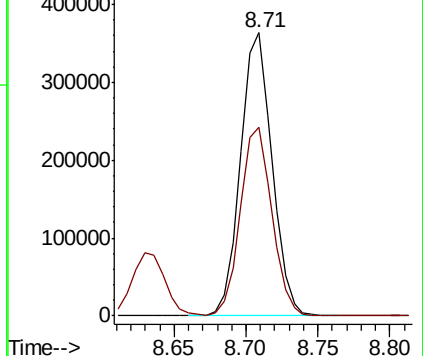
98 100

100 66.7 52.2 78.2

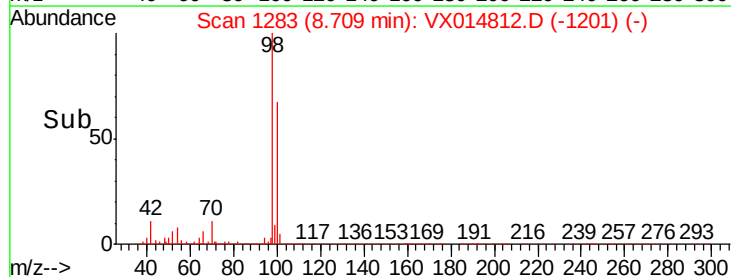


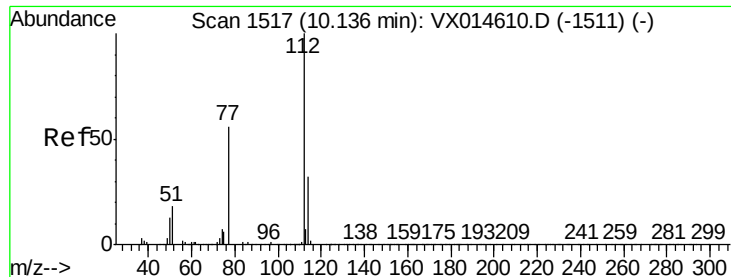
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#64

Chlorobenzene

Concen: 21.573 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

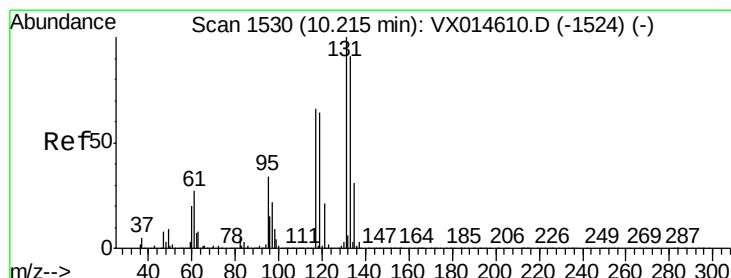
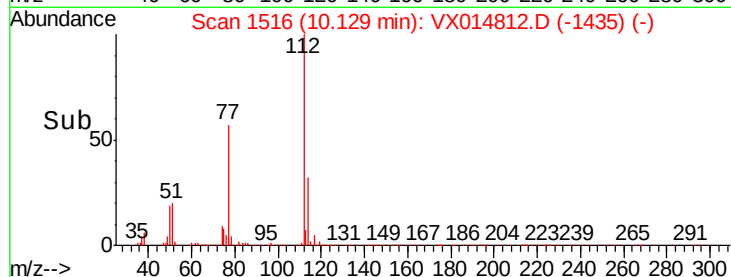
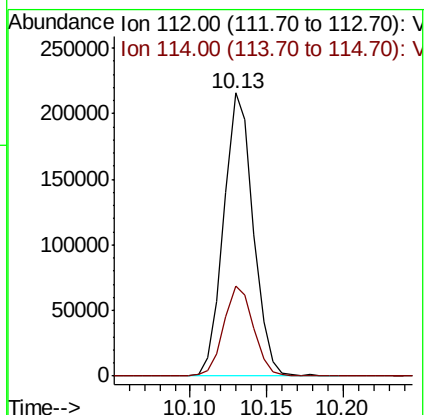
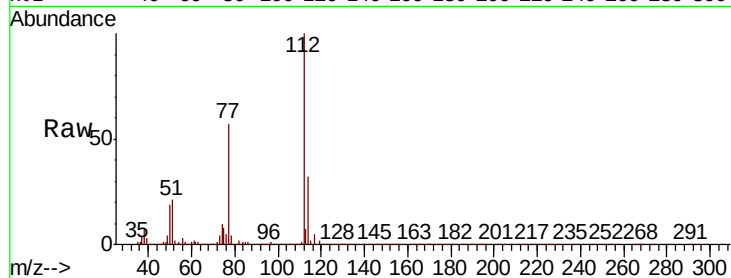
ClientSampled :

Tot Ion:112 Resp: 288546

Ion Ratio Lower Upper

112 100

114 31.6 24.4 36.6



#65

1,1,1,2-Tetrachloroethane

Concen: 21.880 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

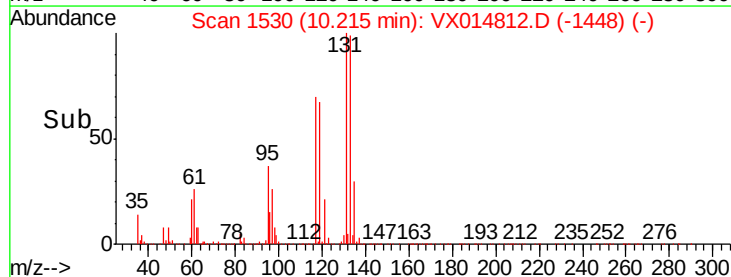
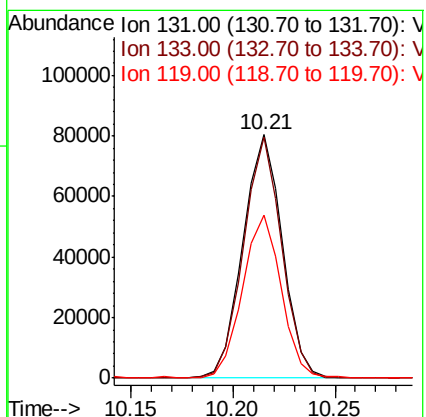
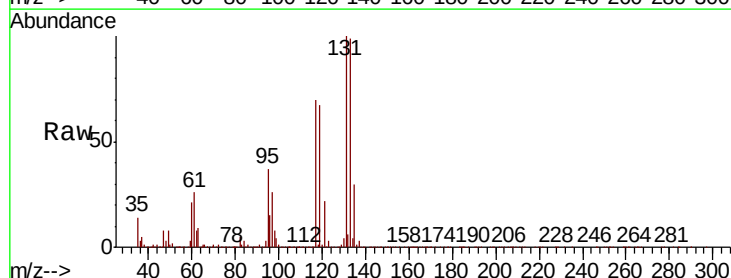
Tgt Ion:131 Resp: 108085

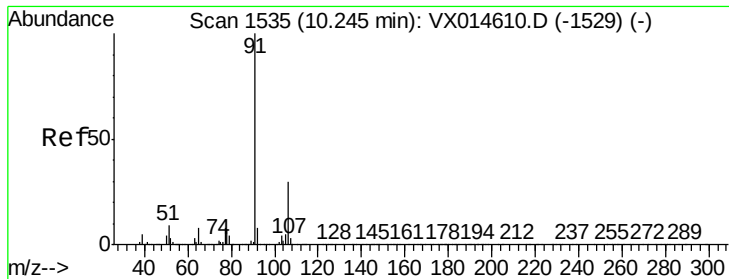
Ion Ratio Lower Upper

131 100

133 96.2 0.0 189.8

119 65.4 0.0 132.2

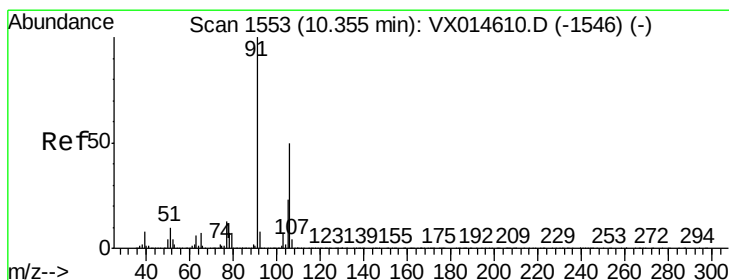
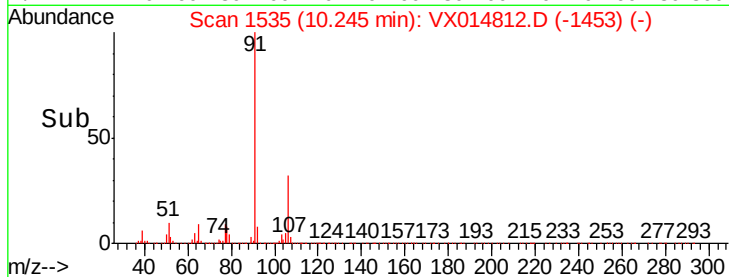
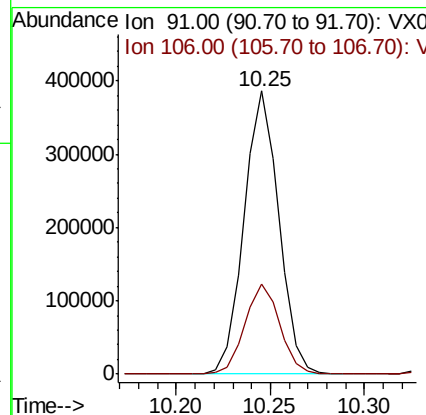
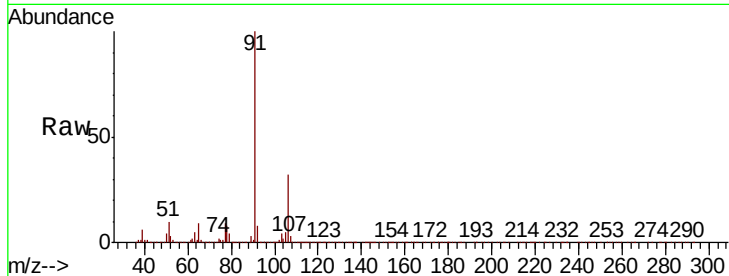




#66
Ethyl Benzene
Concen: 21.152 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

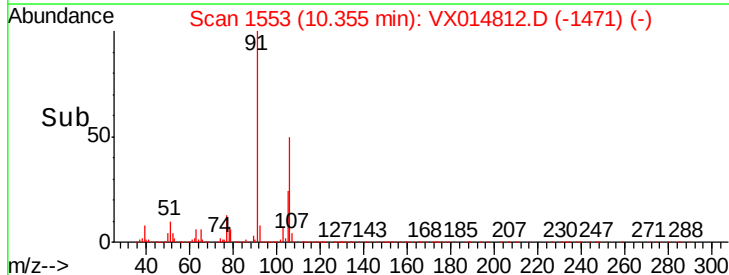
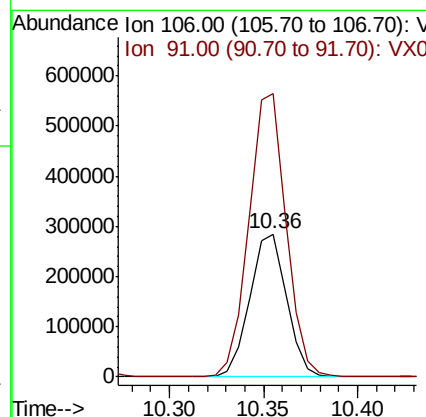
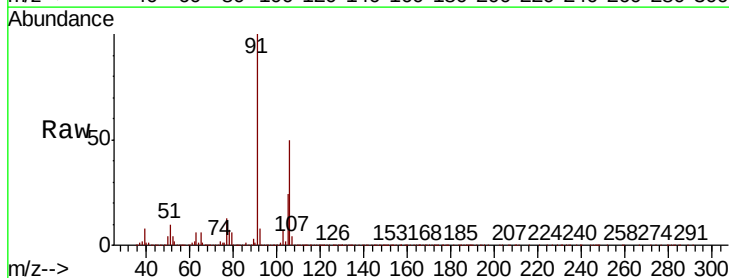
Instrument :
MSVOA_X
ClientSampled :

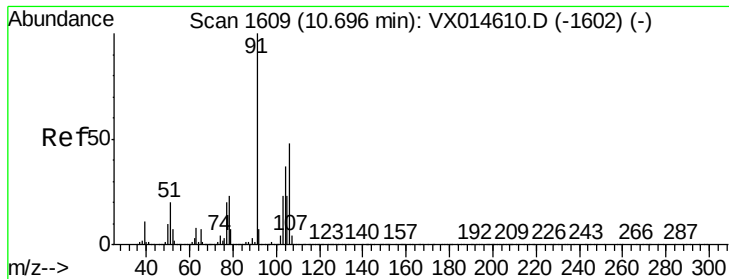
Tot Ion: 91 Resp: 493629
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.2



#67
m/p-Xylenes
Concen: 43.200 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 106 Resp: 386169
Ion Ratio Lower Upper
106 100
91 199.8 159.3 238.9

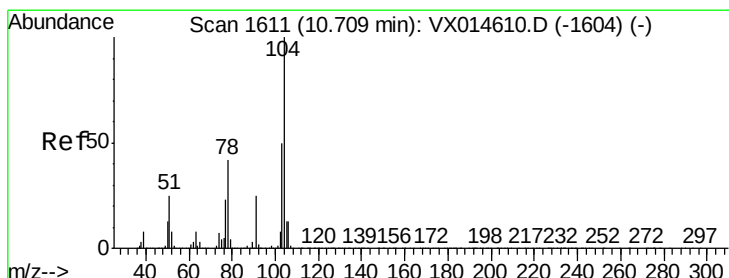
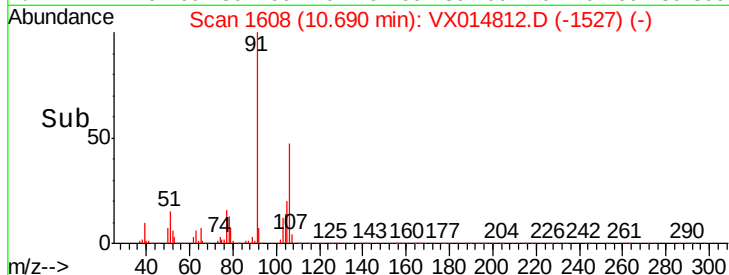
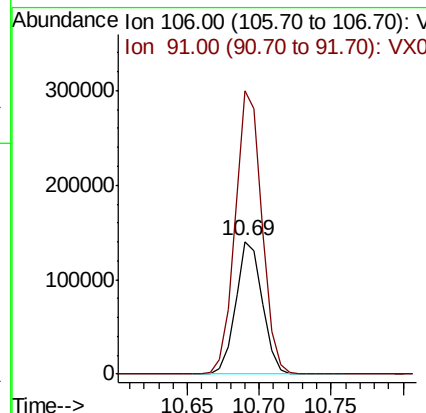
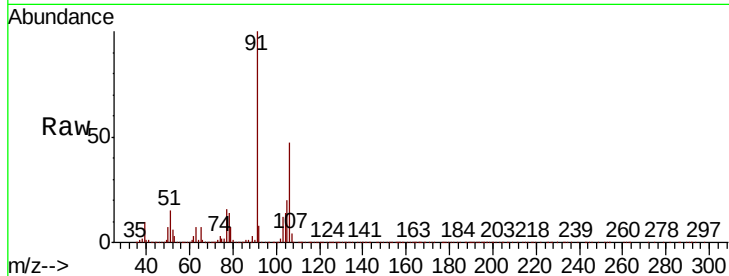




#68
o-Xylene
Concen: 20.890 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

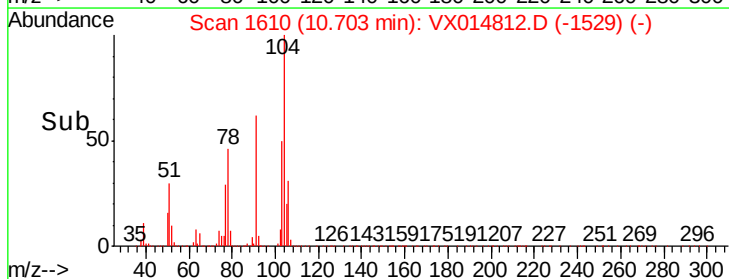
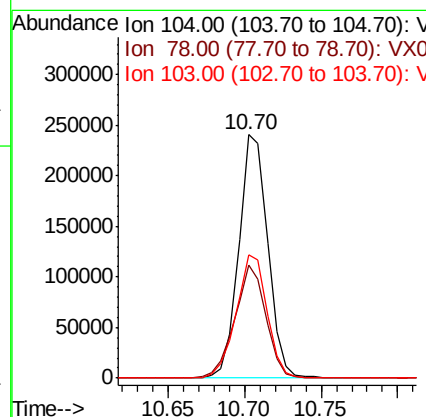
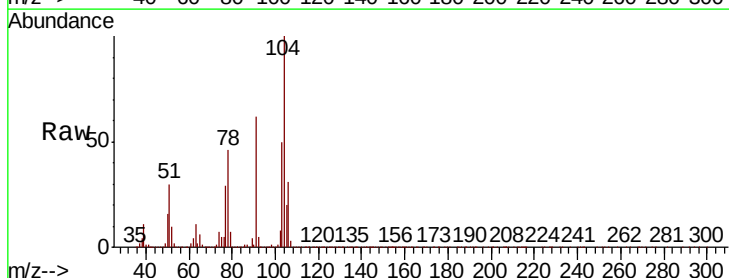
Instrument :
MSVOA_X
ClientSampleId :

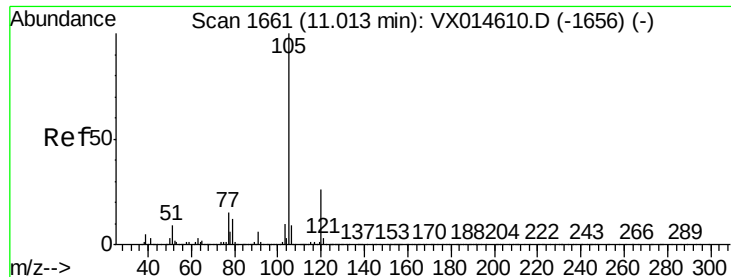
Tot Ion:106 Resp: 181845
Ion Ratio Lower Upper
106 100
91 214.4 104.8 314.6



#69
Styrene
Concen: 21.377 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion:104 Resp: 315282
Ion Ratio Lower Upper
104 100
78 49.4 38.9 58.3
103 54.2 44.2 66.2





#70

Isopropylbenzene

Concen: 21.744 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

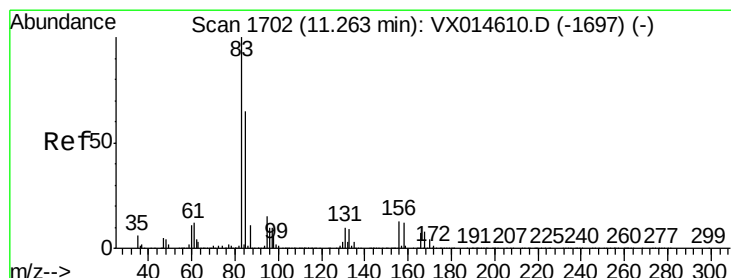
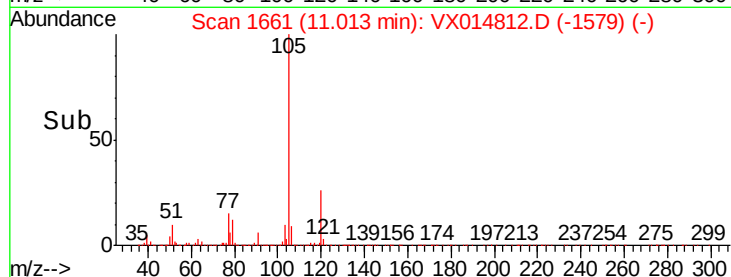
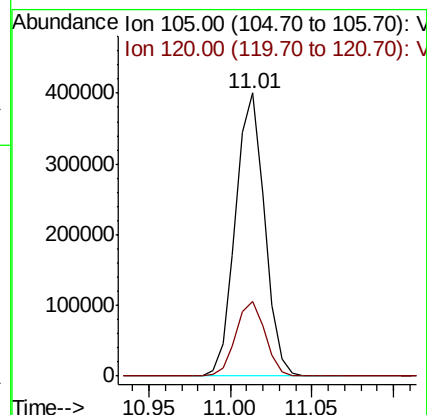
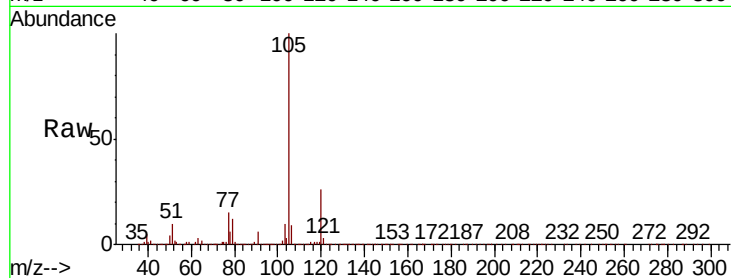
ClientSampleId :

Tot Ion:105 Resp: 495872

Ion Ratio Lower Upper

105 100

120 26.5 19.1 35.5



#71

1,1,2,2-Tetrachloroethane

Concen: 20.728 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

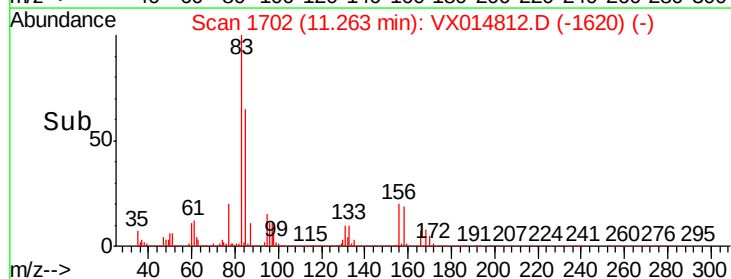
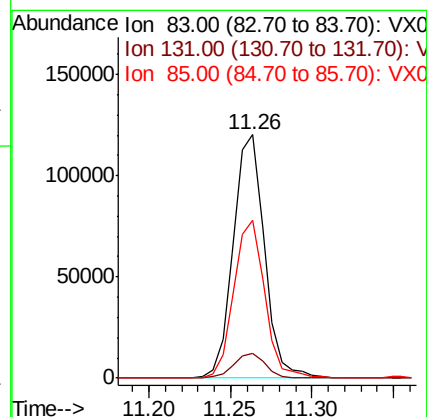
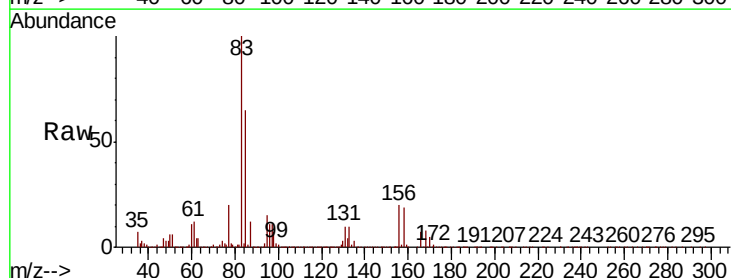
Tgt Ion: 83 Resp: 159225

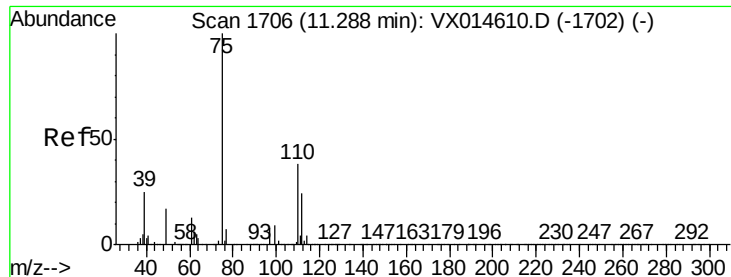
Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.7

85 64.3 31.6 94.7





#72

1,2,3-Trichloropropane

Concen: 28.786 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

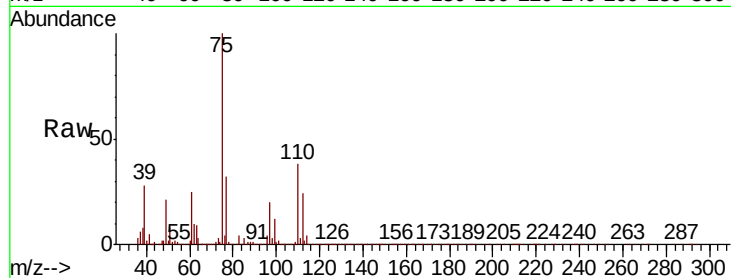
ClientSampleId :

Tot Ion: 75 Resp: 189147

Ion Ratio Lower Upper

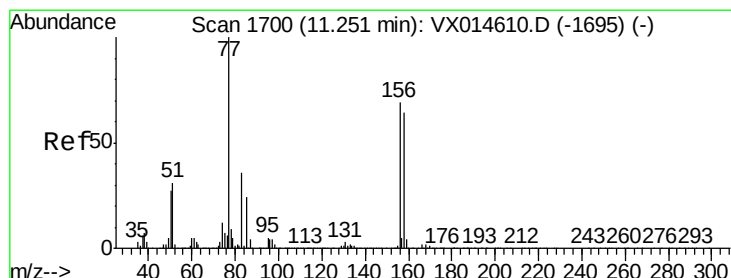
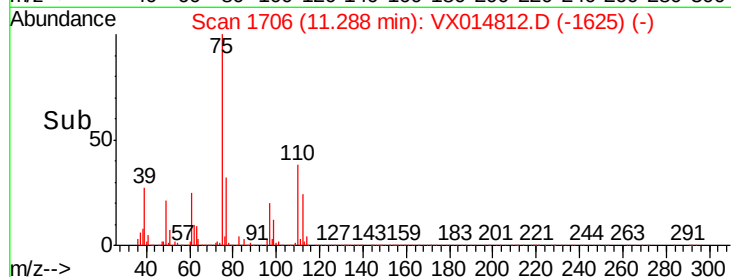
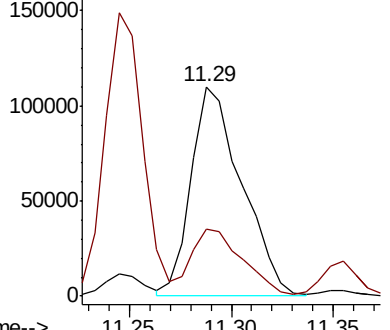
75 100

77 31.3 0.0 68.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 21.598 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

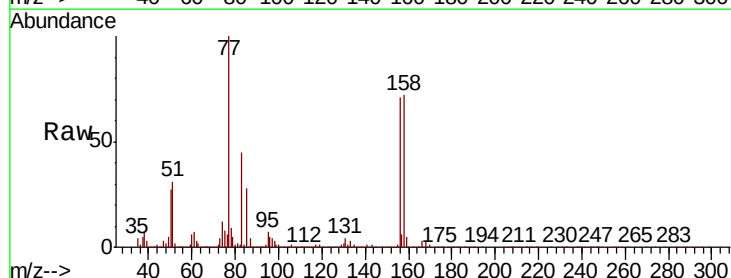
Tgt Ion: 156 Resp: 130561

Ion Ratio Lower Upper

156 100

77 146.7 0.0 304.6

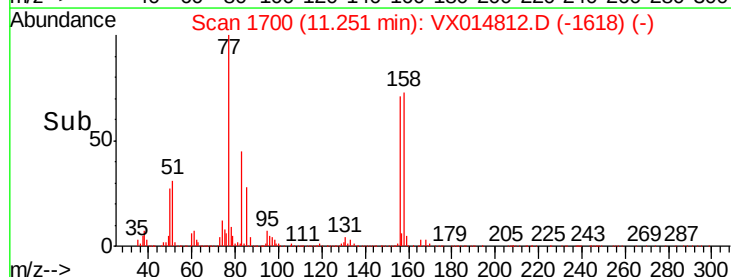
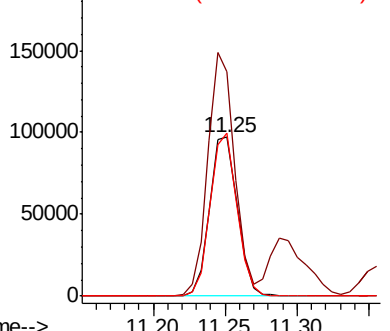
158 98.1 0.0 195.2

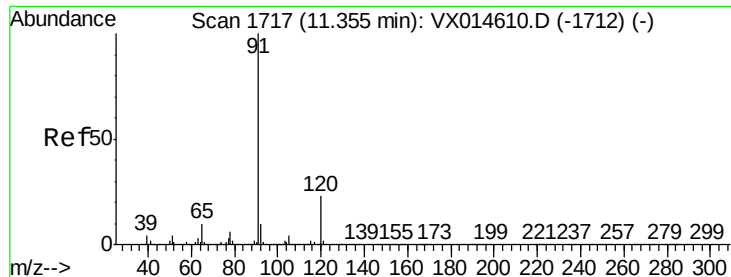


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 21.886 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

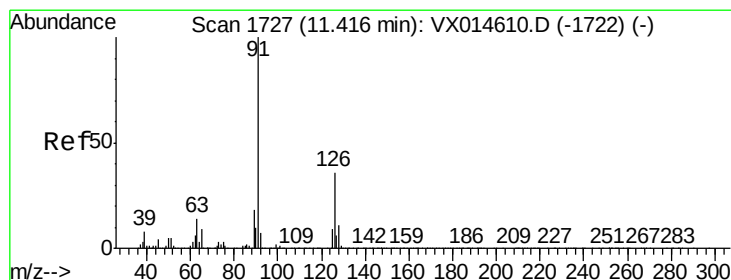
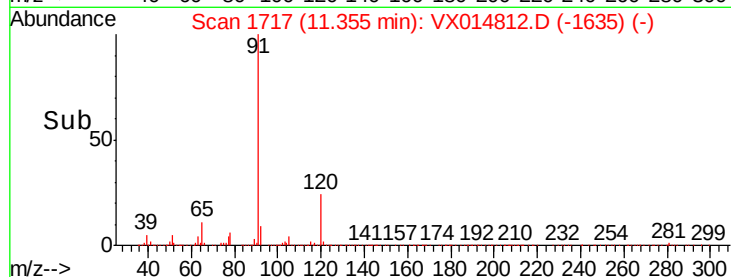
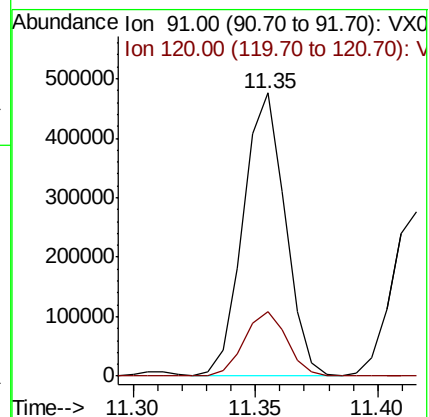
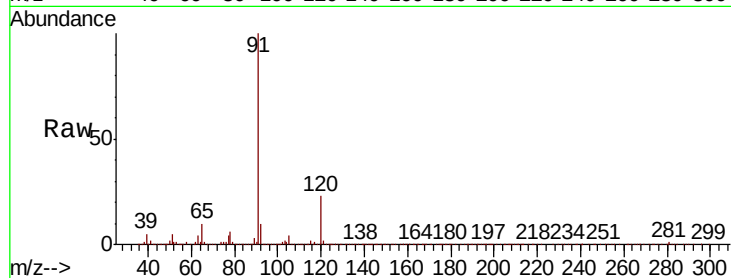
ClientSampled :

Tot Ion: 91 Resp: 570323

Ion Ratio Lower Upper

91 100

120 22.8 0.0 44.8



#75

2-Chlorotoluene

Concen: 21.637 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014812.D

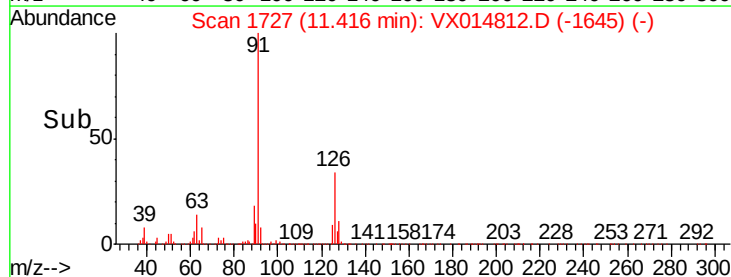
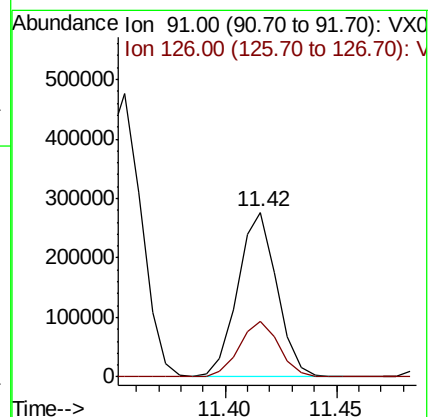
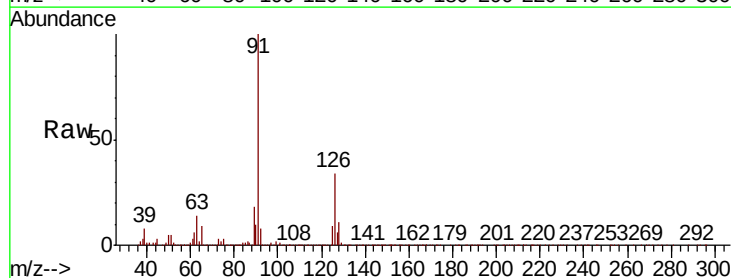
Acq: 05 Feb 2020 10:35

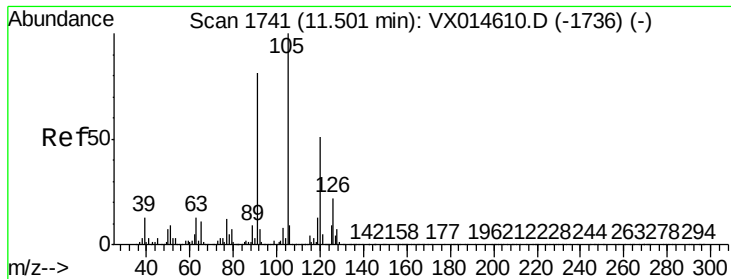
Tgt Ion: 91 Resp: 337921

Ion Ratio Lower Upper

91 100

126 34.3 0.0 70.8

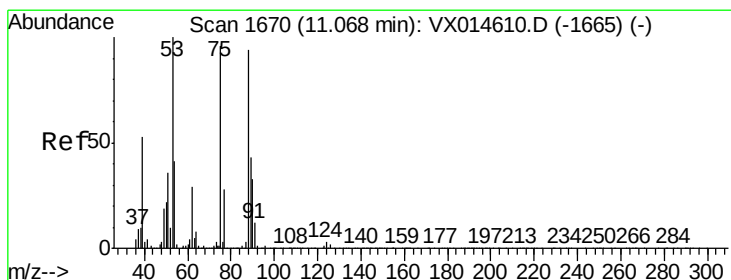
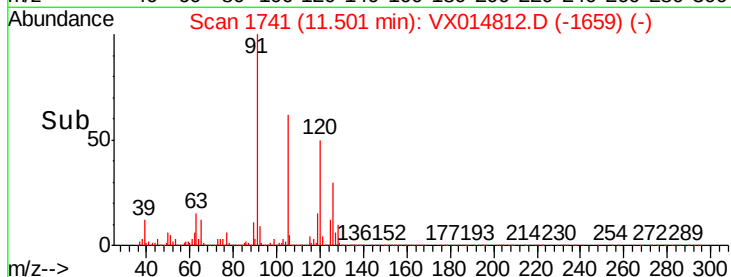
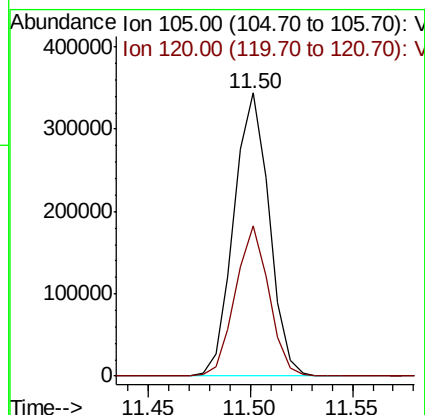
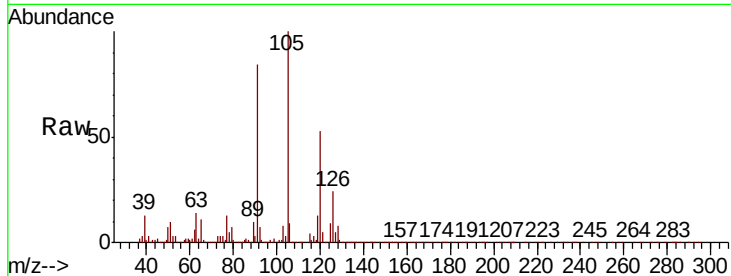




#76
 1,3,5-Trimethylbenzene
 Concen: 21.589 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

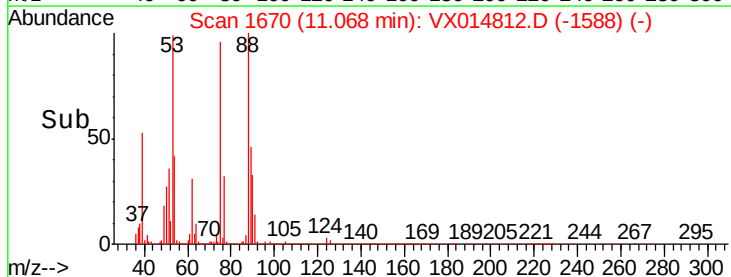
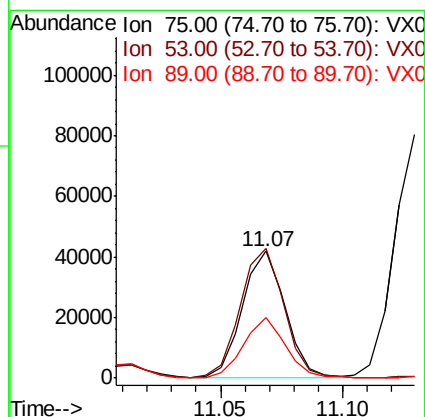
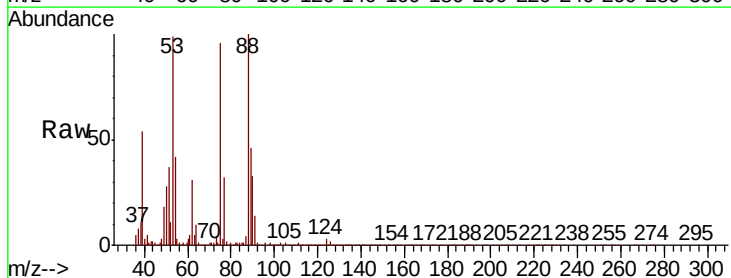
Instrument :
 MSVOA_X
 ClientSampled :

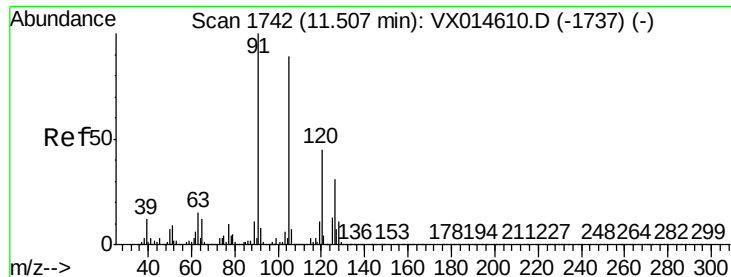
Tot Ion:105 Resp: 410234
 Ion Ratio Lower Upper
 105 100
 120 50.5 0.0 100.6



#77
 t-1,4-Dichloro-2-butene
 Concen: 20.003 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion: 75 Resp: 50586
 Ion Ratio Lower Upper
 75 100
 53 102.6 54.4 163.1
 89 48.0 21.9 65.5

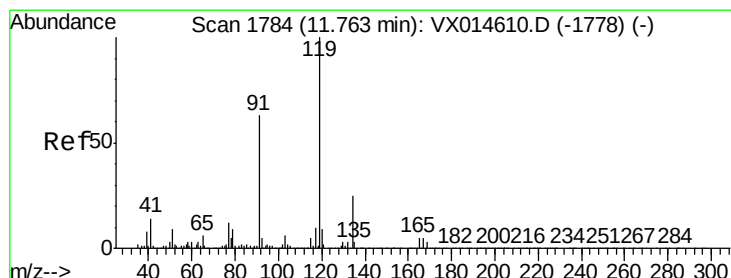
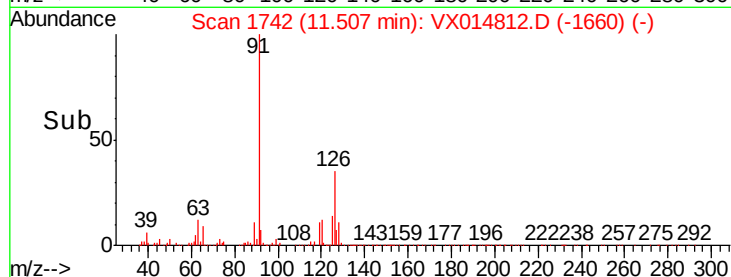
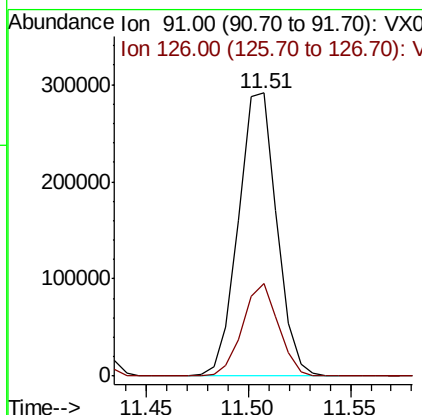
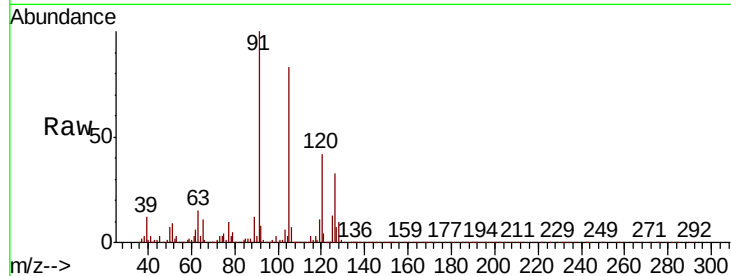




#78
4-Chlorotoluene
Concen: 21.469 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

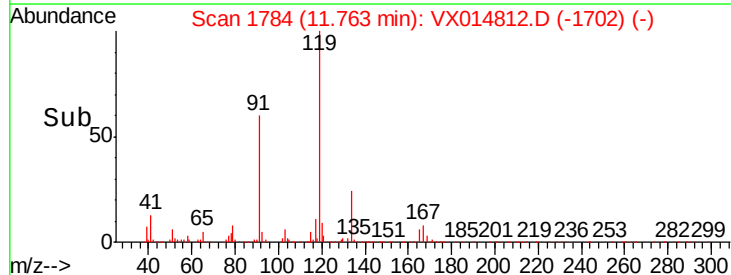
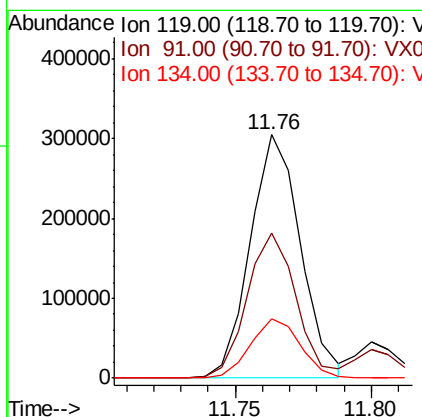
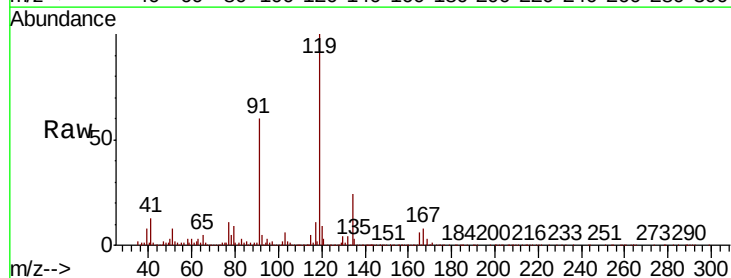
Instrument :
MSVOA_X
ClientSampleId :

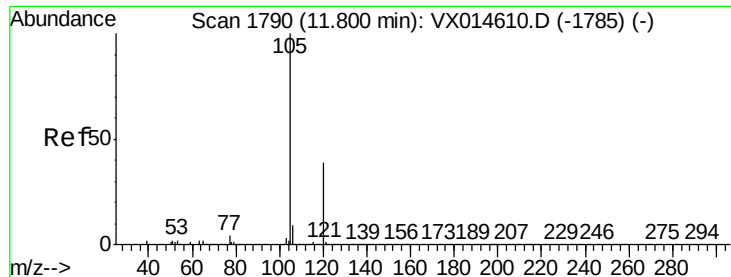
Tot Ion: 91 Resp: 380792
Ion Ratio Lower Upper
91 100
126 30.6 0.0 59.6



#79
tert-butylbenzene
Concen: 21.992 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014812.D
Acq: 05 Feb 2020 10:35

Tgt Ion: 119 Resp: 391028
Ion Ratio Lower Upper
119 100
91 58.2 0.0 112.6
134 24.0 0.0 49.8





#80

1,2,4-Trimethylbenzene

Concen: 21.788 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

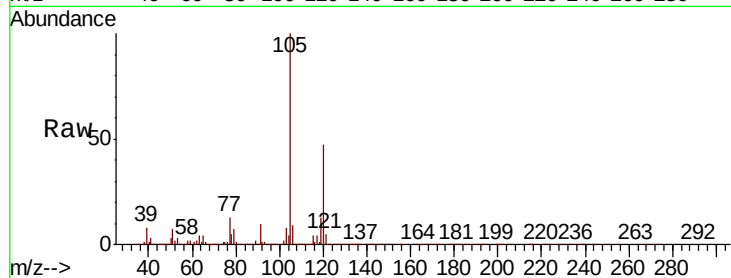
ClientSampleId :

Tot Ion:105 Resp: 412939

Ion Ratio Lower Upper

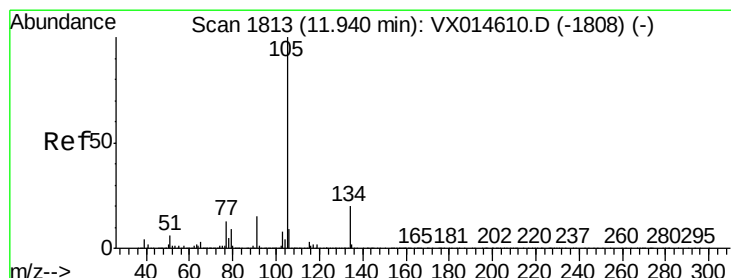
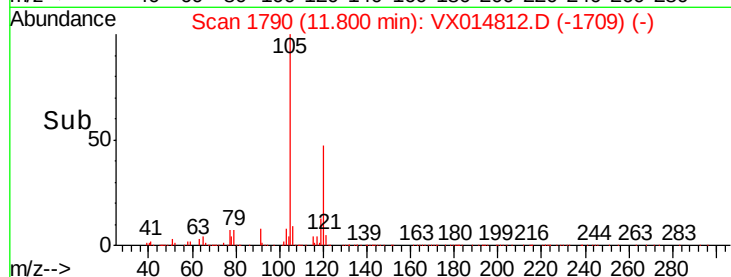
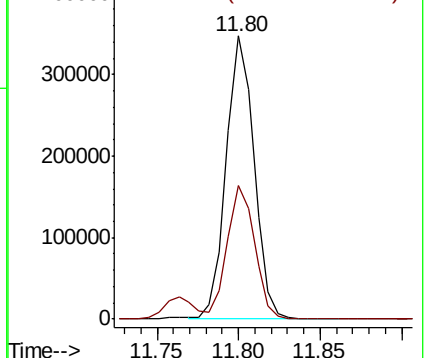
105 100

120 46.3 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 21.747 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014812.D

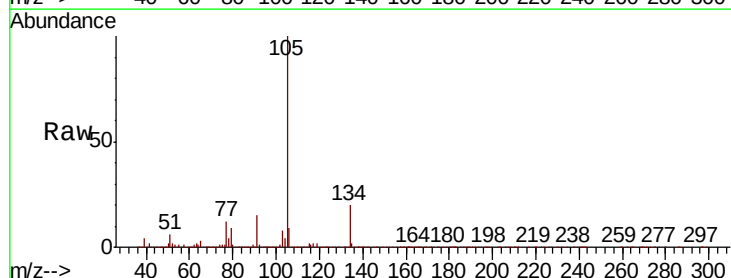
Acq: 05 Feb 2020 10:35

Tgt Ion:105 Resp: 478465

Ion Ratio Lower Upper

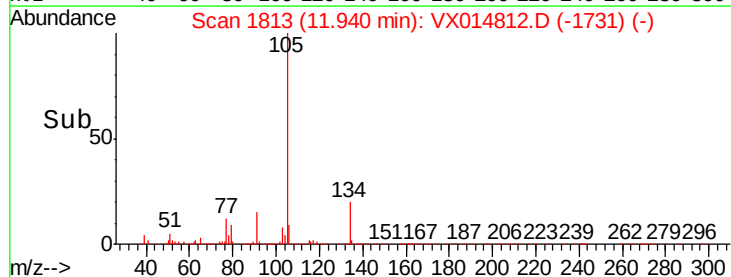
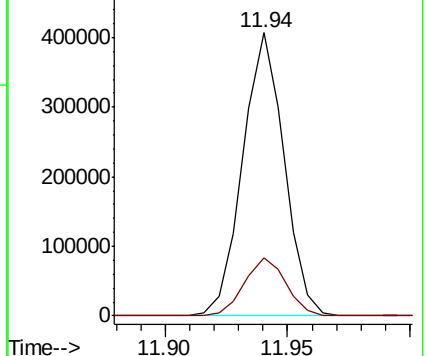
105 100

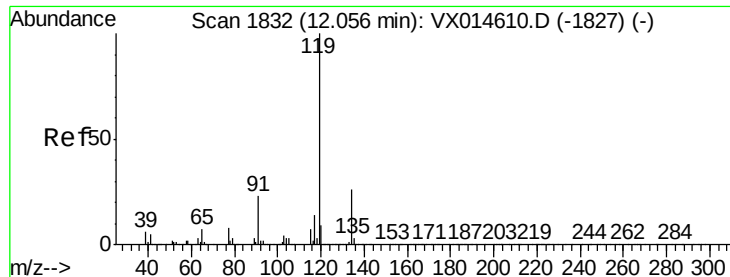
134 20.7 0.0 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

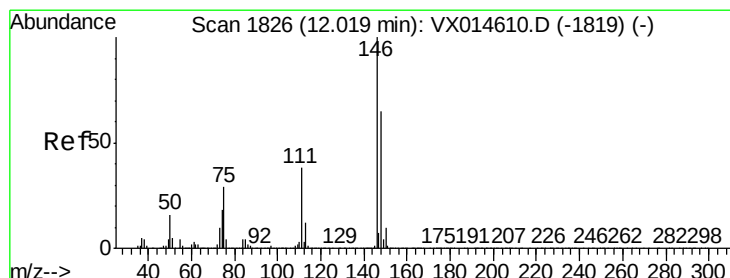
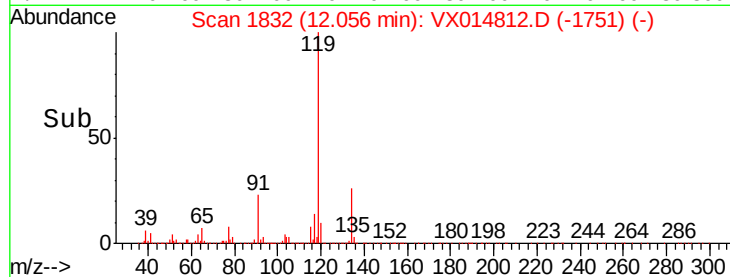
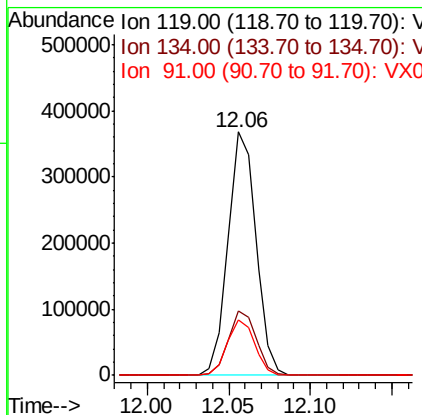
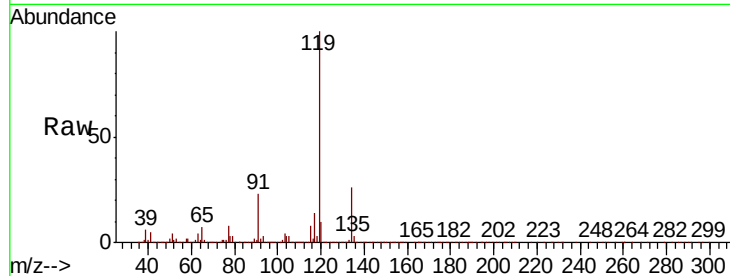




#82
 p-Isopropyltoluene
 Concen: 21.842 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

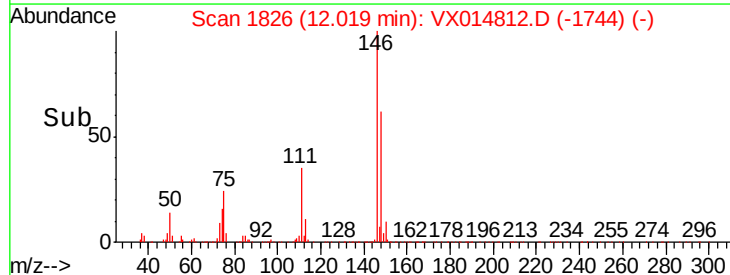
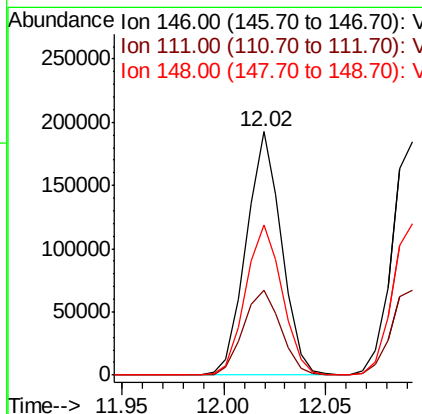
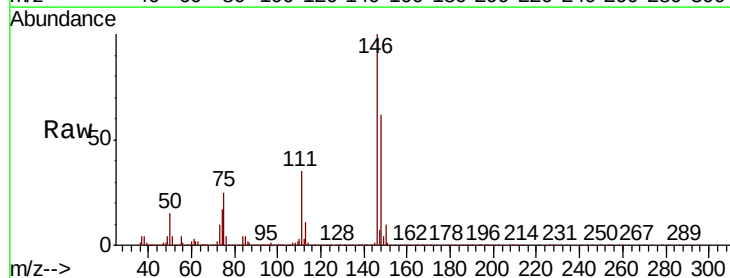
Instrument :
 MSVOA_X
 ClientSampleId :

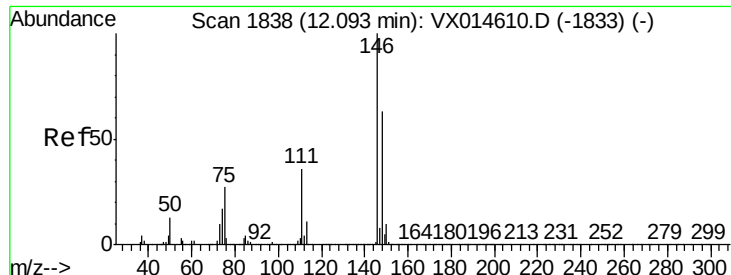
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	53.8
91	22.5	0.0	45.0



#83
 1,3-Dichlorobenzene
 Concen: 21.896 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.3	57.9
148	63.9	32.2	96.6

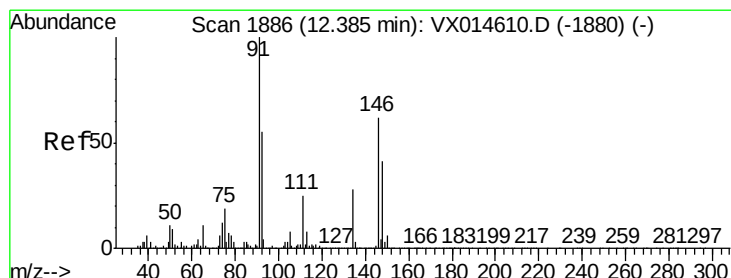
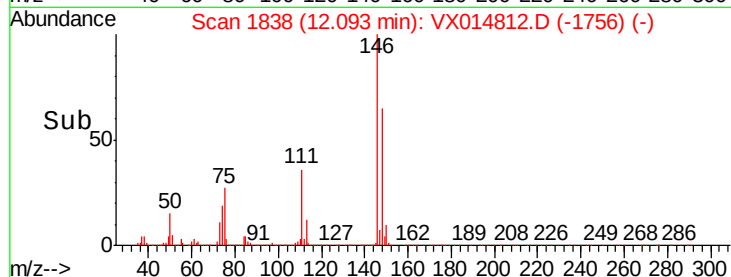
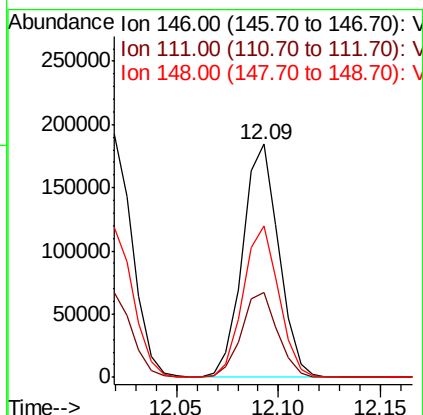
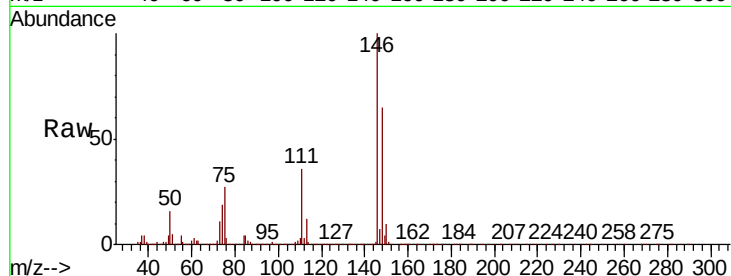




#84
 1,4-Dichlorobenzene
 Concen: 21.738 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

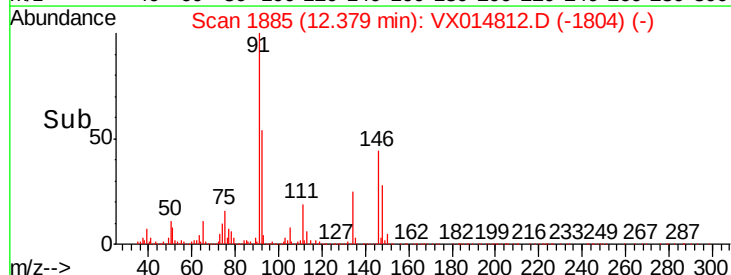
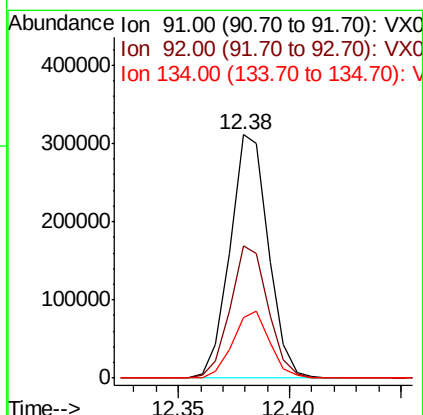
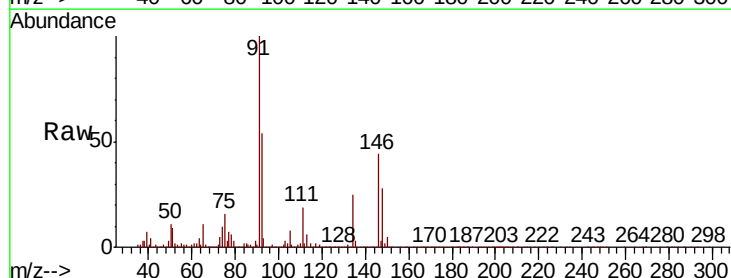
Instrument :
 MSVOA_X
 ClientSampleId :

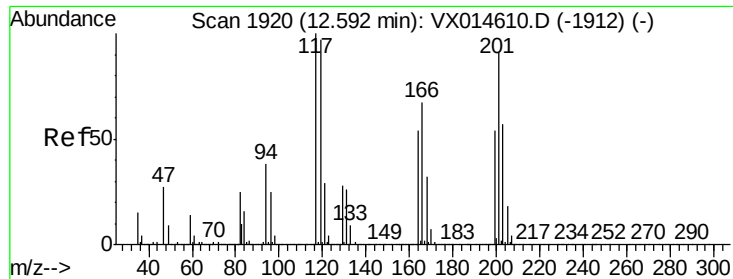
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.4
148	63.6	32.0	96.0



#85
 n-Butylbenzene
 Concen: 21.185 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.01 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	0.0	109.0
134	26.5	0.0	54.0





#86

Hexachloroethane

Concen: 21.449 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

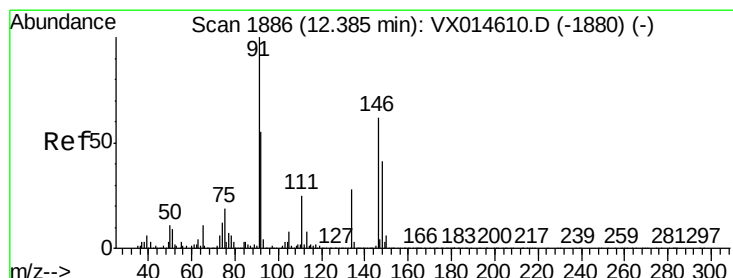
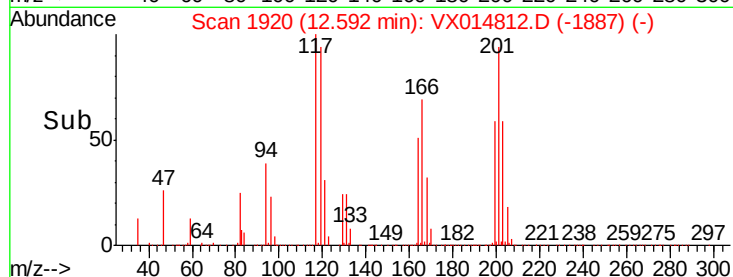
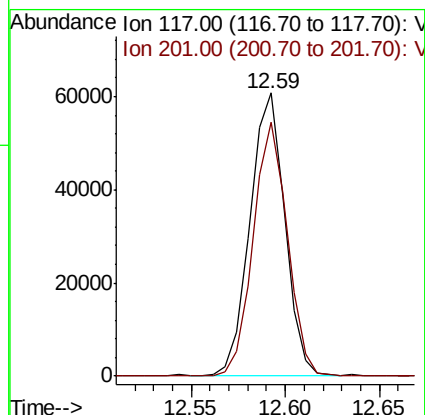
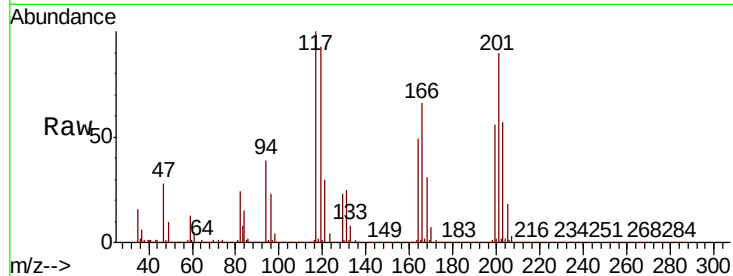
ClientSampleId :

Tot Ion:117 Resp: 77256

Ion Ratio Lower Upper

117 100

201 88.7 44.8 134.3



#87

1,2-Dichlorobenzene

Concen: 21.555 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

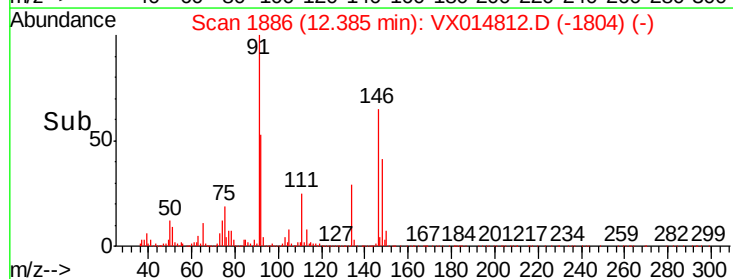
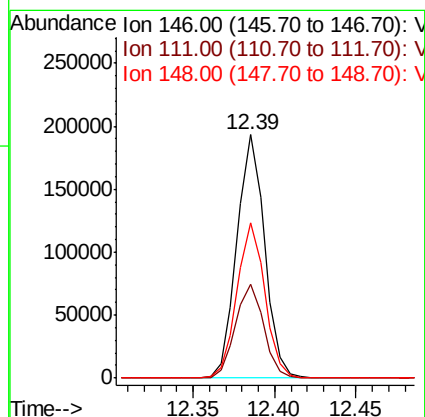
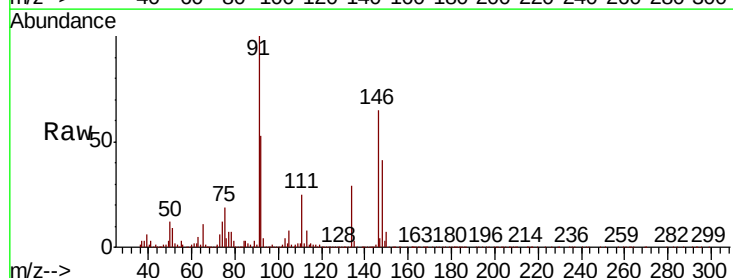
Tgt Ion:146 Resp: 229564

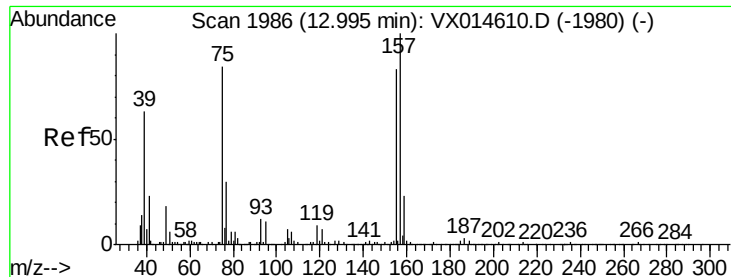
Ion Ratio Lower Upper

146 100

111 39.0 20.1 60.2

148 63.8 32.0 96.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.710 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

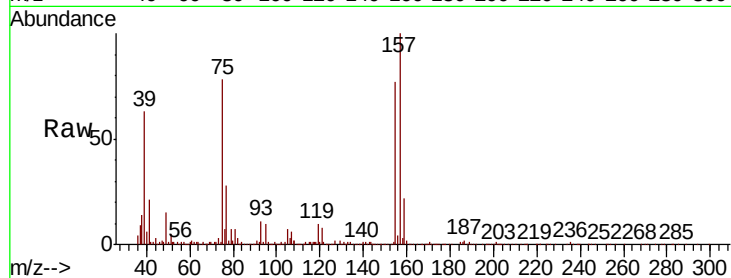
Tot Ion: 75 Resp: 33983

Ion Ratio Lower Upper

75 100

155 94.9 73.8 110.6

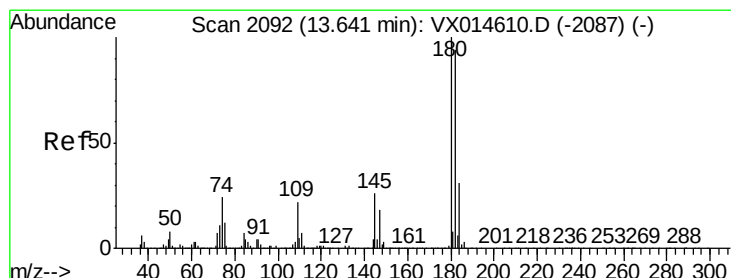
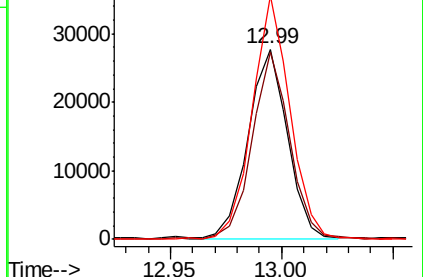
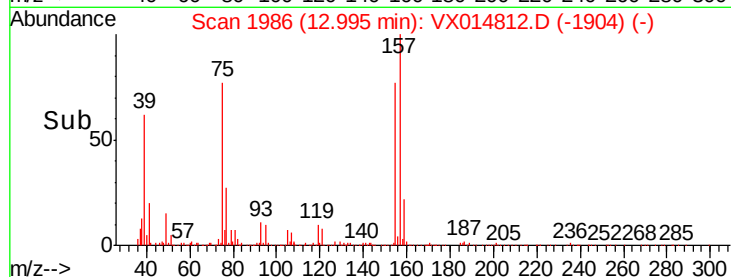
157 122.7 95.0 142.4



Abundance Ion 75.00 (74.70 to 75.70): VX014812.D (-1904) (-)

Ion 155.00 (154.70 to 155.70): VX014812.D (-1904) (-)

Ion 157.00 (156.70 to 157.70): VX014812.D (-1904) (-)



#89

1,2,4-Trichlorobenzene

Concen: 21.624 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

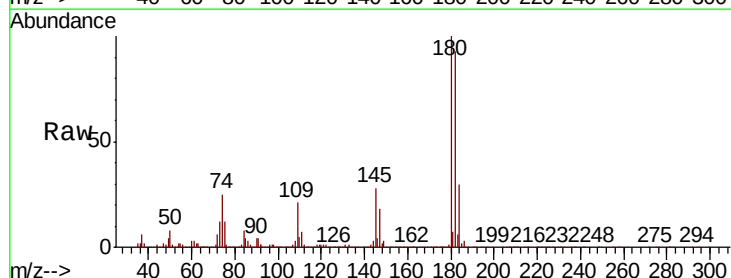
Tgt Ion: 180 Resp: 152016

Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

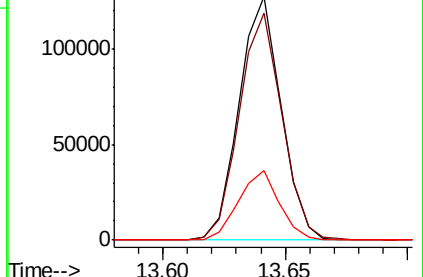
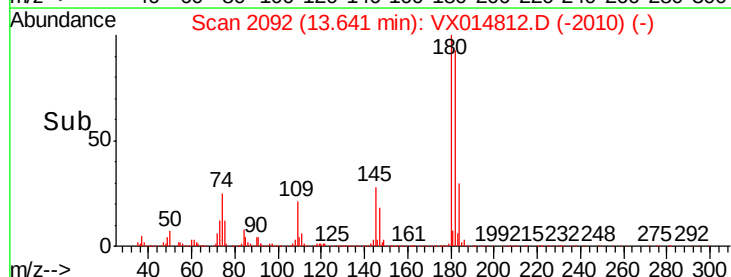
145 27.7 21.9 32.9

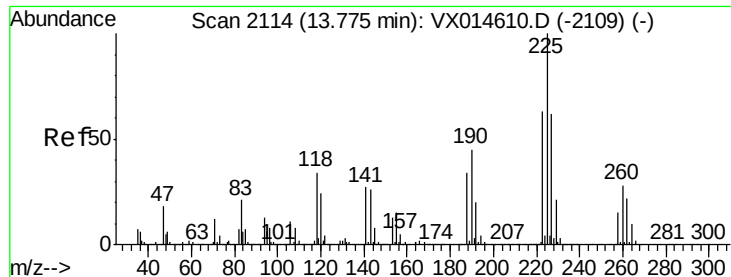


Abundance Ion 180.00 (179.70 to 180.70): VX014812.D (-2010) (-)

Ion 182.00 (181.70 to 182.70): VX014812.D (-2010) (-)

Ion 145.00 (144.70 to 145.70): VX014812.D (-2010) (-)





#90

Hexachlorobutadiene

Concen: 22.140 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

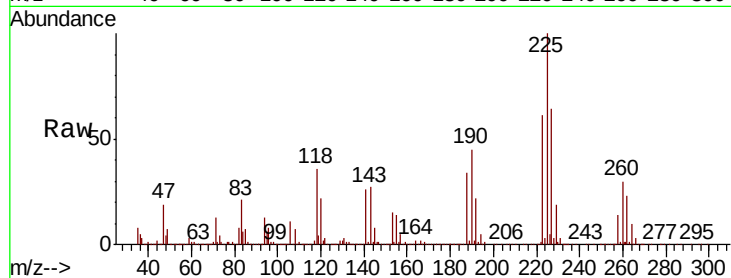
Tot Ion:225 Resp: 77771

Ion Ratio Lower Upper

225 100

223 62.0 0.0 127.4

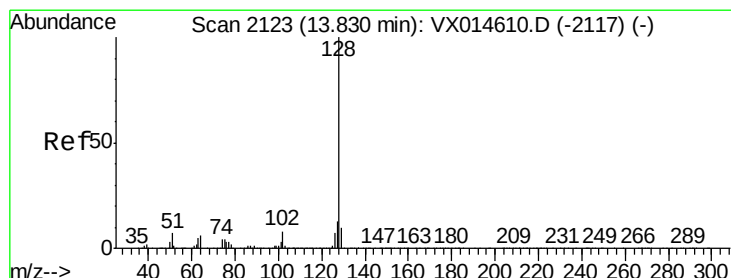
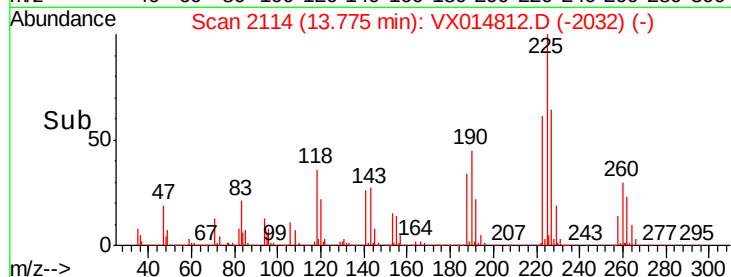
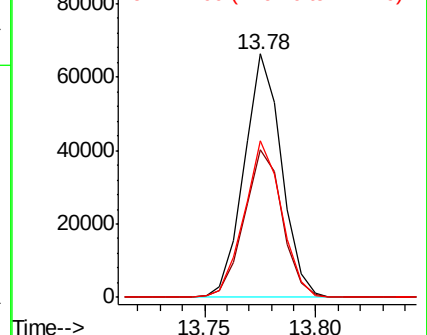
227 64.0 0.0 122.8



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 21.492 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014812.D

Acq: 05 Feb 2020 10:35

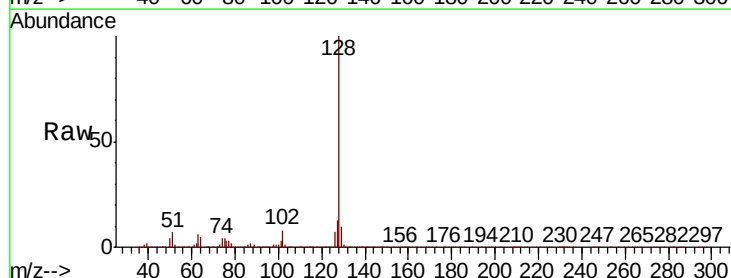
Tgt Ion:128 Resp: 456056

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

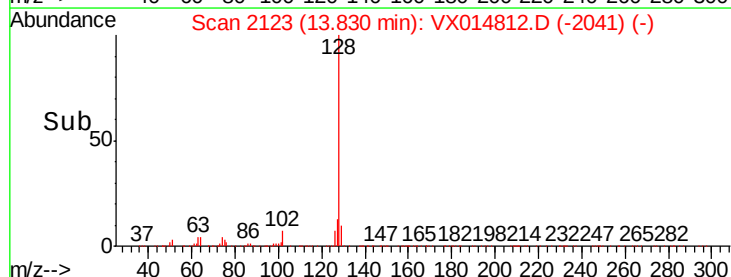
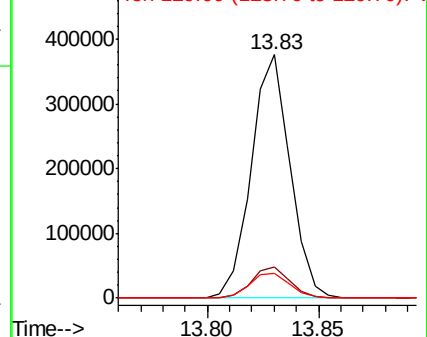
129 10.7 8.9 13.3

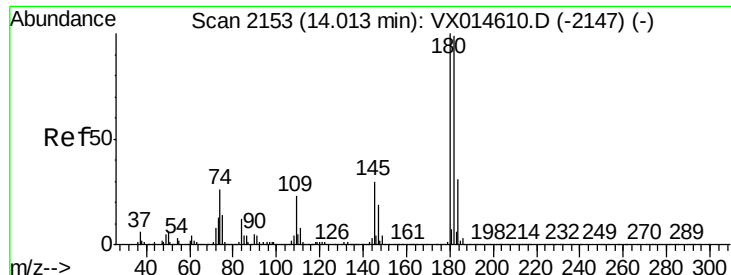


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

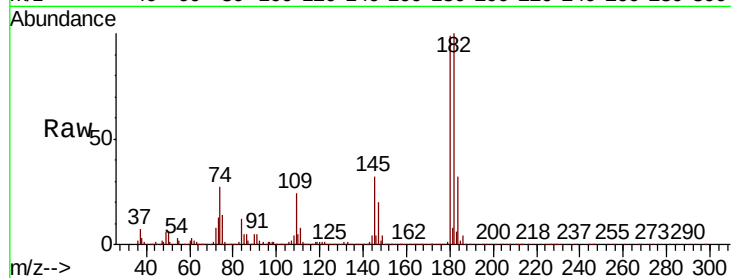




#92
 1,2,3-Trichlorobenzene
 Concen: 21.656 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014812.D
 Acq: 05 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	192.8
145	30.0	0.0	60.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

