

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014490.D
 Acq On : 09 Jan 2020 11:43
 Operator : JC/SP
 Sample : VX0109WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 14:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	77244	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	428530	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	390123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	163918	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.13	95	186852	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	8.71	98	525339	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	72953	18.697	ug/l 100
3) Chloromethane	1.32	50	99832	18.153	ug/l 97
4) Vinyl Chloride	1.40	62	106268	18.850	ug/l 100
5) Bromomethane	1.64	94	65856	15.980	ug/l 98
6) Chloroethane	1.72	64	70521	20.251	ug/l 97
7) Trichlorofluoromethane	1.92	101	141413	20.158	ug/l 99
8) Diethyl Ether	2.18	74	65623	20.351	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87561	20.928	ug/l 98
10) 1,1-Dichloroethene	2.37	96	82954	19.178	ug/l 98
11) Methyl Iodide	2.50	142	106075	19.050	ug/l 100
12) Methyl Acetate	2.76	43	135349	20.213	ug/l 98
13) Acrolein	2.28	56	73951	91.053	ug/l 98
14) Acrylonitrile	3.12	53	262645	100.332	ug/l 99
15) Acetone	2.43	58	86994	113.126	ug/l 84
16) Carbon Disulfide	2.56	76	220940	18.855	ug/l 98
17) Allyl chloride	2.72	41	153285	19.721	ug/l 96
18) Methylene Chloride	2.85	84	97580	18.411	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	90819	19.174	ug/l 95
20) Diisopropyl ether	3.84	45	315088	19.756	ug/l 92
21) 1,1-Dichloroethane	3.69	63	168219	19.434	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	108430	19.747	ug/l 100
23) tert-Butyl Alcohol	3.02	59	108439	105.613	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	290906	19.909	ug/l 100
25) Chloroform	5.19	83	162802	19.728	ug/l 98
26) Cyclohexane	5.57	56	152409	19.746	ug/l 100
29) 1,1-Dichloropropene	5.79	75	123205	19.904	ug/l 99
30) 2-Butanone	4.65	43	389619	106.788	ug/l 99
31) 2,2-Dichloropropane	4.57	77	132491	23.139	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	135195	19.746	ug/l 99
33) Carbon Tetrachloride	5.77	117	117321	20.158	ug/l 93
34) Benzene	6.13	78	387092	20.055	ug/l 98
35) Methacrylonitrile	5.02	41	81024	20.648	ug/l 96
36) 1,2-Dichloroethane	6.18	62	133652	19.934	ug/l 100
37) Trichloroethene	7.20	130	107550	20.478	ug/l 98
38) Methylcyclohexane	7.45	83	157446	21.324	ug/l 98
39) 1,2-Dichloropropane	7.51	63	98873	19.723	ug/l 92
40) Dibromomethane	7.65	93	65096	20.327	ug/l 98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 14:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	124727	20.115	ug/l	99
42) Vinyl Acetate	3.80	43	1279756	99.349	ug/l	100
43) Ethyl Acetate	4.81	43	143867	20.550	ug/l	99
44) Isopropyl Acetate	6.43	43	233945	19.952	ug/l	99
45) 1,4-Dioxane	7.73	88	47721	434.600	ug/l	98
46) Methyl methacrylate	7.76	41	112471	19.747	ug/l	100
47) n-amyl Acetate	10.89	43	195876	18.787	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	138194	20.419	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	156792	20.600	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	100254	20.285	ug/l	98
51) Ethyl methacrylate	9.17	69	155322	19.758	ug/l	96
52) 1,3-Dichloropropane	9.36	76	169375	20.171	ug/l	99
53) Dibromochloromethane	9.57	129	99561	20.146	ug/l	99
54) 1,2-Dibromoethane	9.67	107	102421	20.128	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	341453	98.531	ug/l	100
56) Bromoform	10.85	173	75472	19.583	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	731737	100.246	ug/l	100
59) 2-Hexanone	9.48	43	572763	103.397	ug/l	99
61) Tetrachloroethene	9.33	164	123742	23.977	ug/l	97
62) Toluene	8.78	91	411560	19.835	ug/l	98
64) Chlorobenzene	10.14	112	256889	19.762	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	94149	19.560	ug/l	98
66) Ethyl Benzene	10.25	91	457286	20.139	ug/l	99
67) m/p-Xylenes	10.36	106	352625	40.624	ug/l	98
68) o-Xylene	10.70	106	171145	19.903	ug/l	98
69) Styrene	10.71	104	285905	19.552	ug/l	99
70) Isopropylbenzene	11.01	105	448194	20.170	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	143071	18.155	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	167176	23.833	ug/l	99
73) Bromobenzene	11.25	156	118426	19.964	ug/l	97
74) n-propylbenzene	11.35	91	513313	20.366	ug/l	98
75) 2-Chlorotoluene	11.42	91	305847	20.083	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	375965	19.945	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	46873	20.236	ug/l	93
78) 4-Chlorotoluene	11.51	91	345897	19.877	ug/l	98
79) tert-butylbenzene	11.76	119	346811	19.087	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	373174	19.798	ug/l	99
81) sec-Butylbenzene	11.94	105	431458	19.964	ug/l	98
82) p-Isopropyltoluene	12.06	119	396315	20.321	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	207801	20.098	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	208267	20.229	ug/l	100
85) n-Butylbenzene	12.39	91	339847	20.725	ug/l	100
86) Hexachloroethane	12.59	117	66790	18.878	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	210939	20.086	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	30064	19.141	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	141701	21.112	ug/l	99
90) Hexachlorobutadiene	13.78	225	67487	21.153	ug/l	99
91) Naphthalene	13.83	128	418933	20.766	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	142990	21.004	ug/l	99

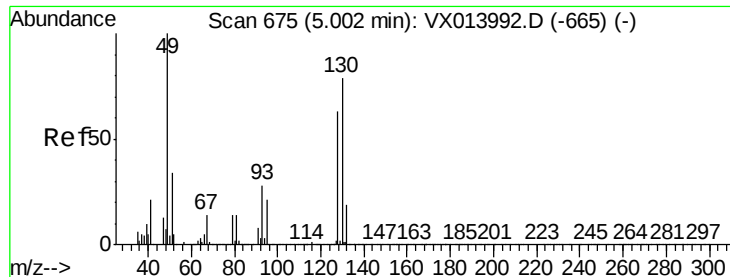
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
Data File : VX014490.D
Acq On : 09 Jan 2020 11:43
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MSVOA_X
ClientSampleId :

Quant Time: Jan 09 14:35:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

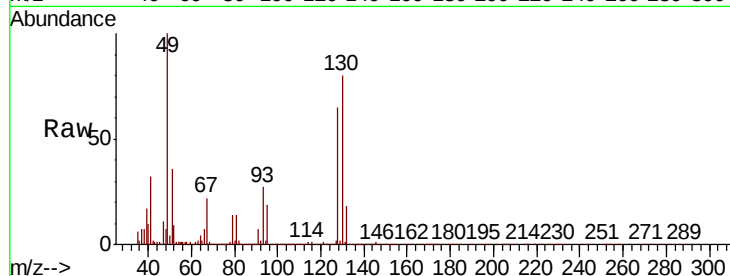
Tot Ion:128 Resp: 77244

Ion Ratio Lower Upper

128 100

49 159.9 0.0 405.0

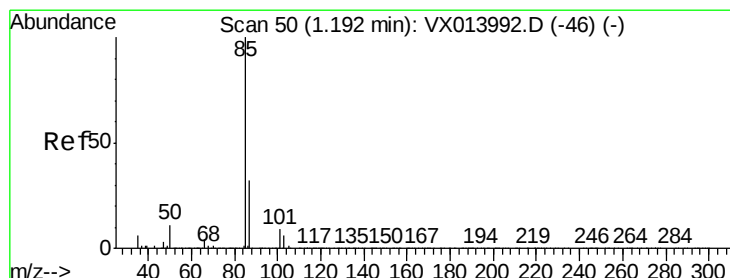
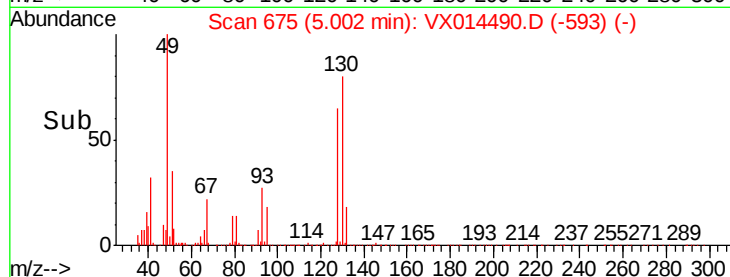
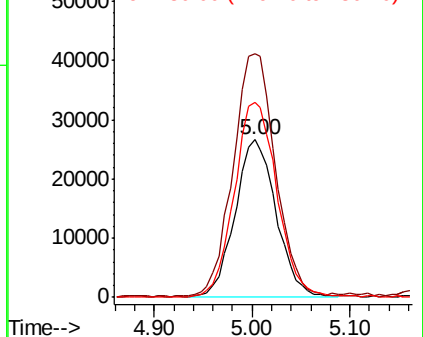
130 128.9 0.0 321.5



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



#2

Dichlorodifluoromethane

Concen: 18.697 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014490.D

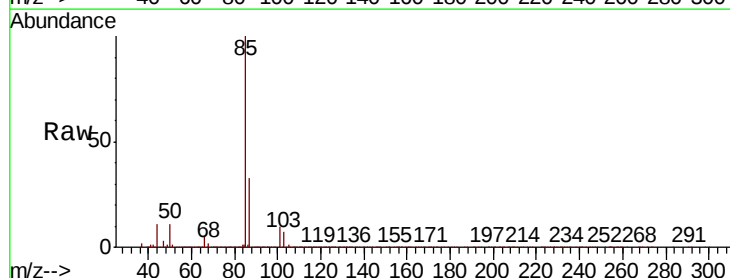
Acq: 09 Jan 2020 11:43

Tgt Ion: 85 Resp: 72953

Ion Ratio Lower Upper

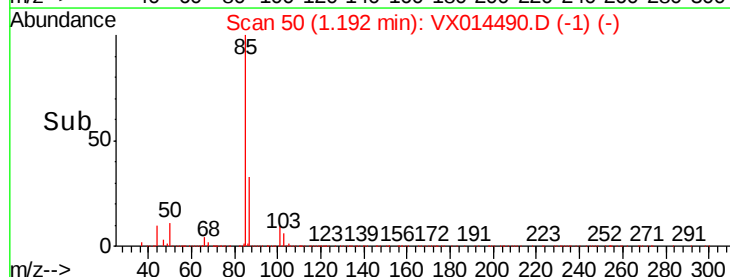
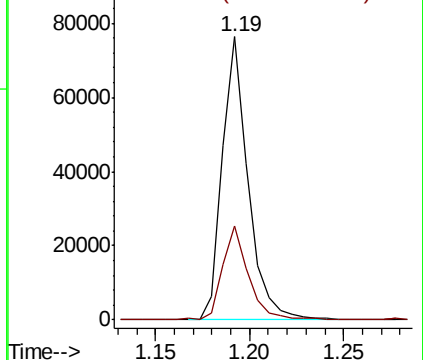
85 100

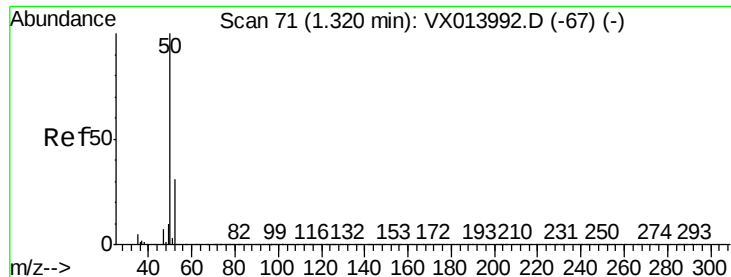
87 32.8 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

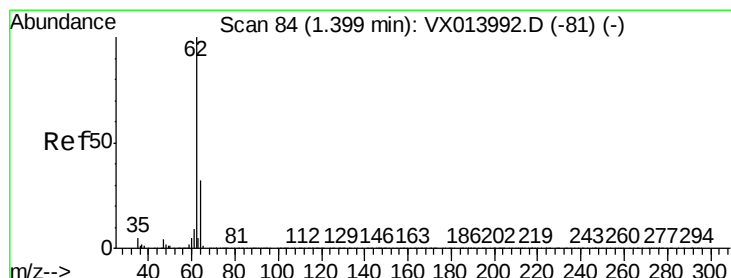
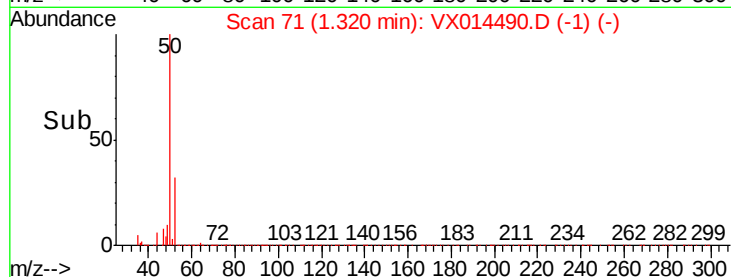
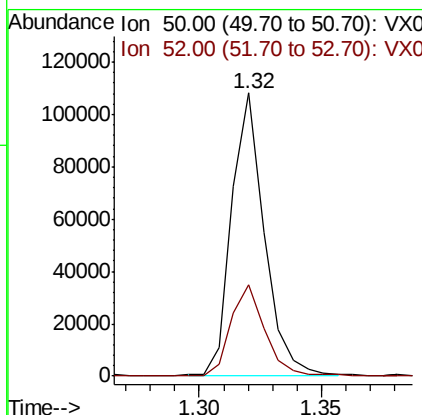
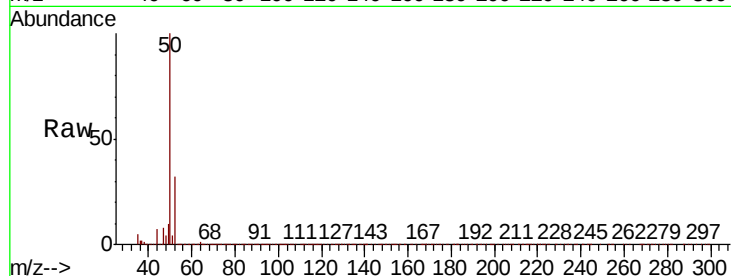




#3
Chloromethane
Concen: 18.153 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

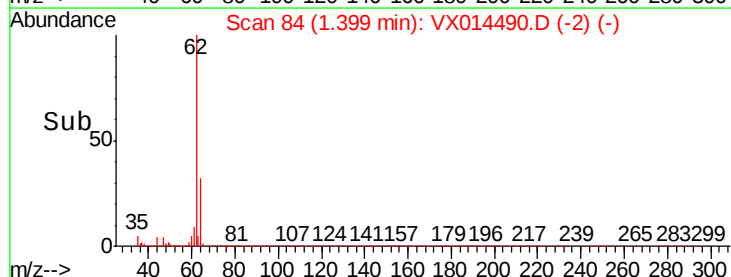
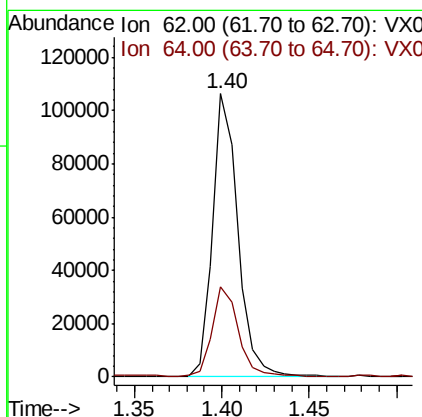
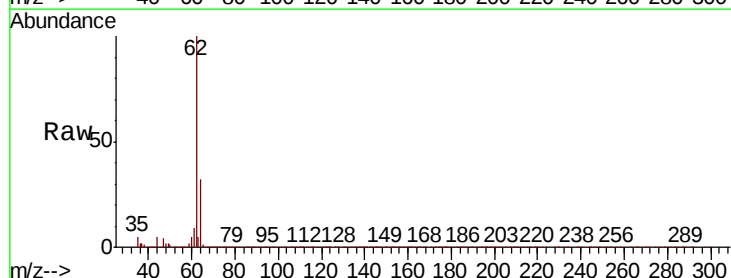
Instrument :
MSVOA_X
ClientSampleId :

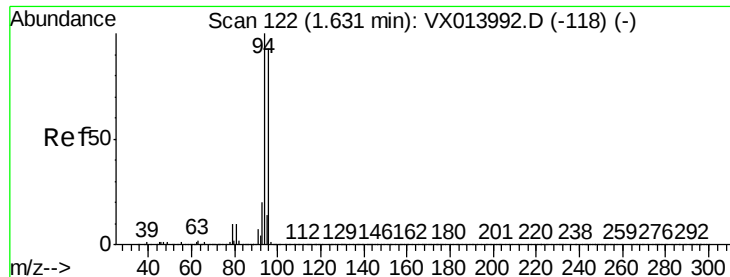
Tot Ion: 50 Resp: 99832
Ion Ratio Lower Upper
50 100
52 32.1 24.3 36.5



#4
Vinyl Chloride
Concen: 18.850 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 62 Resp: 106268
Ion Ratio Lower Upper
62 100
64 31.6 25.2 37.8





#5

Bromomethane

Concen: 15.980 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

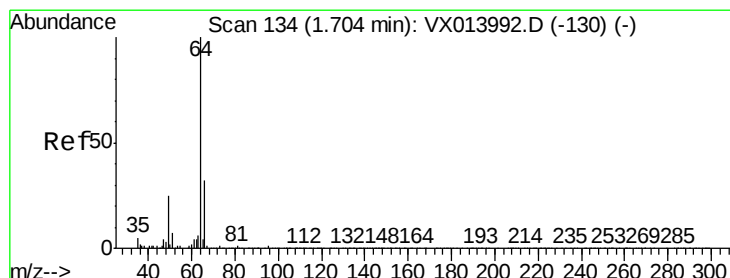
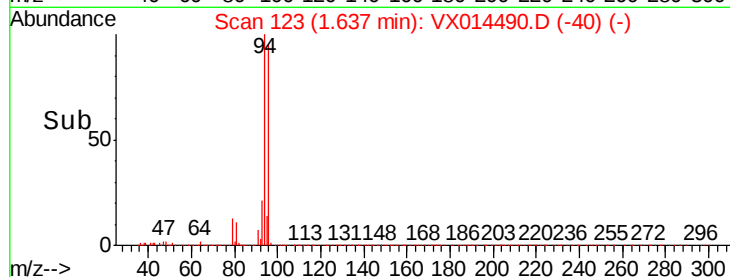
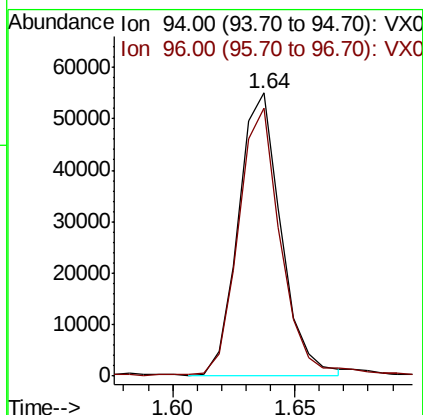
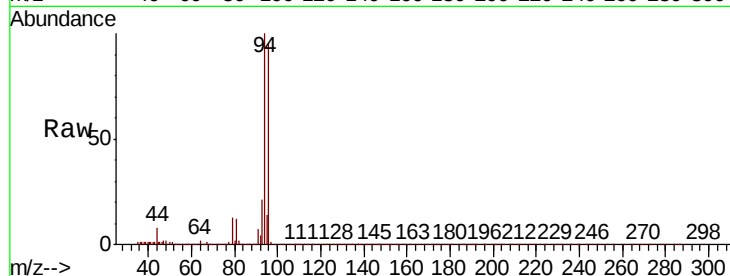
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 65856

Ion Ratio Lower Upper

94 100

96 94.6 74.4 111.6



#6

Chloroethane

Concen: 20.251 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014490.D

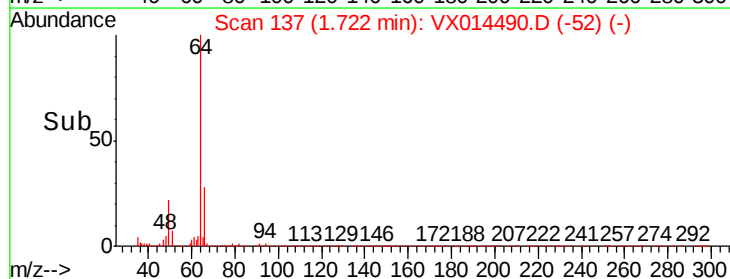
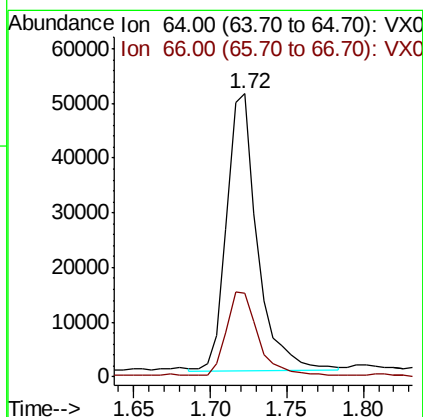
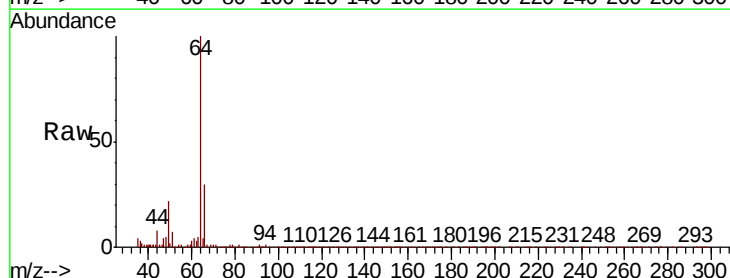
Acq: 09 Jan 2020 11:43

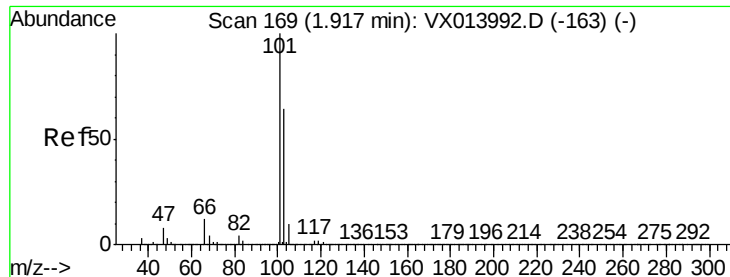
Tgt Ion: 64 Resp: 70521

Ion Ratio Lower Upper

64 100

66 30.1 25.2 37.8



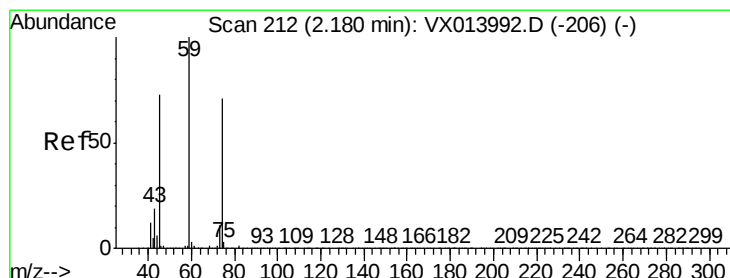
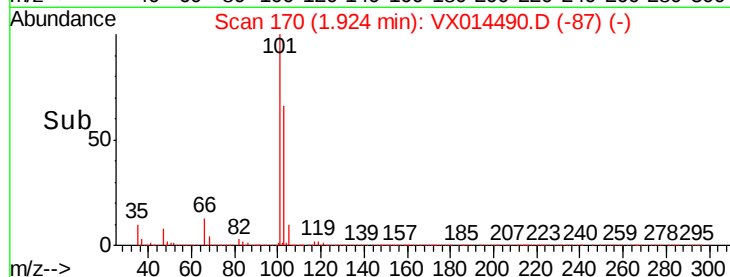
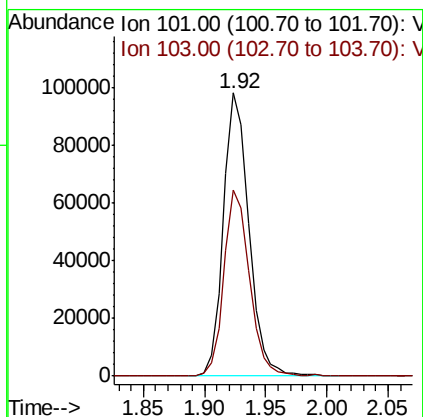
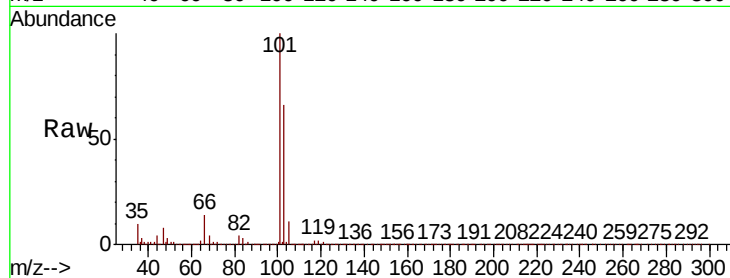


#7

Trichlorofluoromethane
Concen: 20.158 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampled :

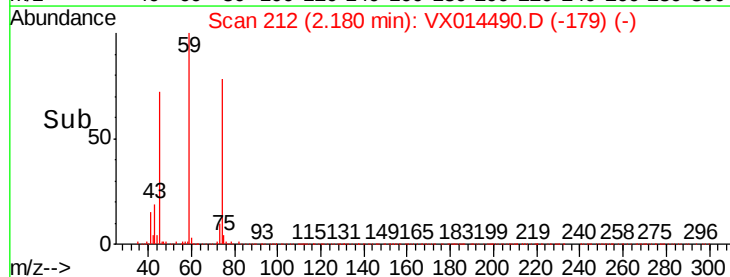
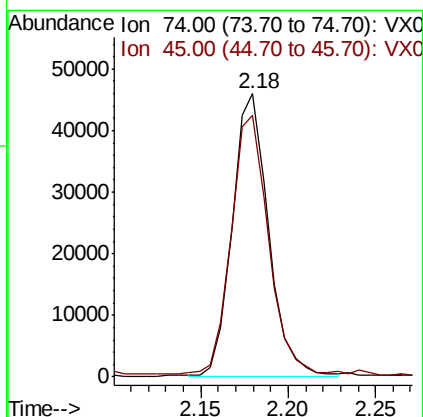
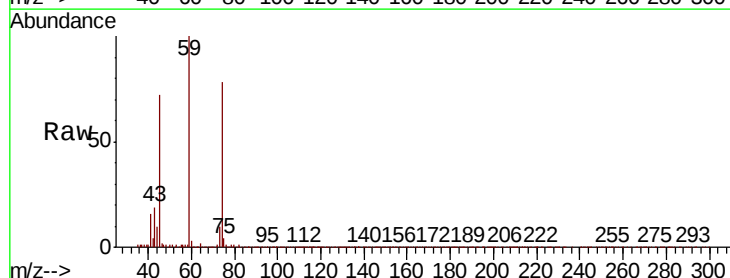
Tot Ion:101 Resp: 141413
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4

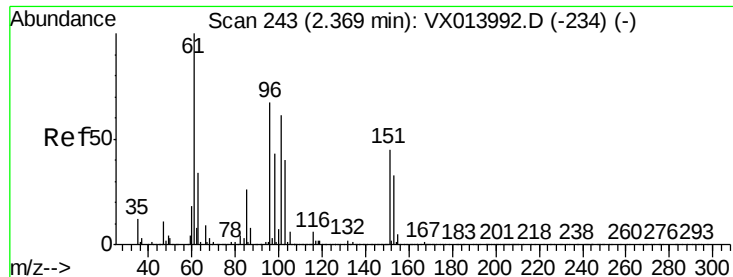


#8

Diethyl Ether
Concen: 20.351 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 74 Resp: 65623
Ion Ratio Lower Upper
74 100
45 96.0 20.6 185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.928 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

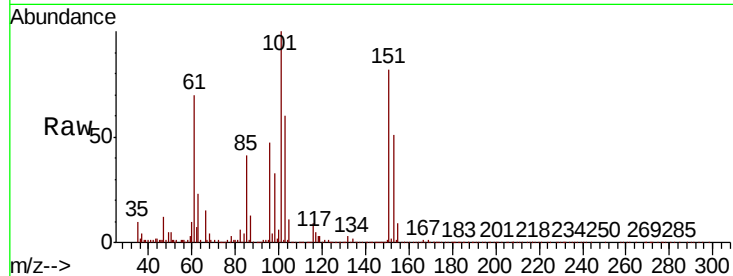
Tot Ion:101 Resp: 87561

Ion Ratio Lower Upper

101 100

85 40.7 0.0 85.6

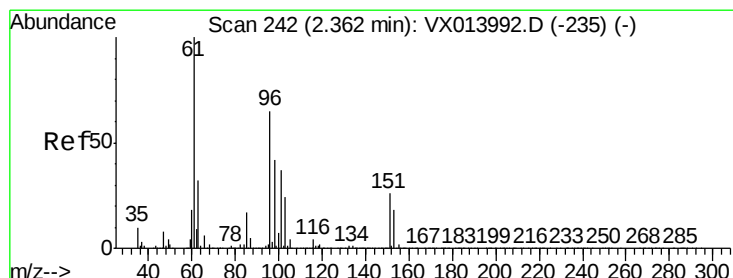
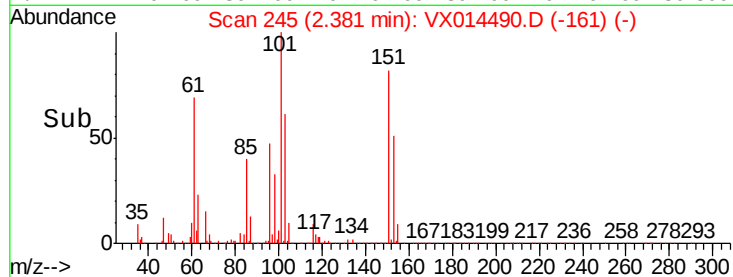
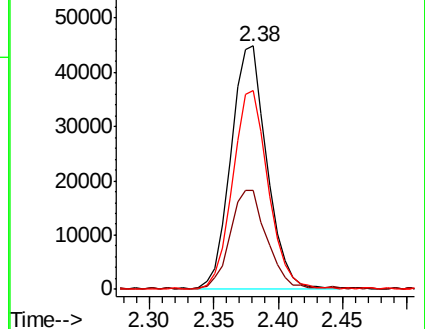
151 80.6 0.0 159.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.178 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

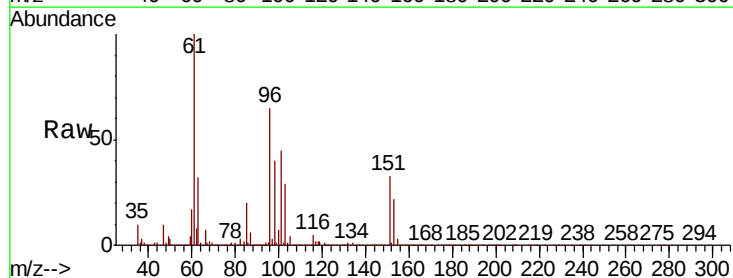
Tgt Ion: 96 Resp: 82954

Ion Ratio Lower Upper

96 100

61 154.7 123.0 184.6

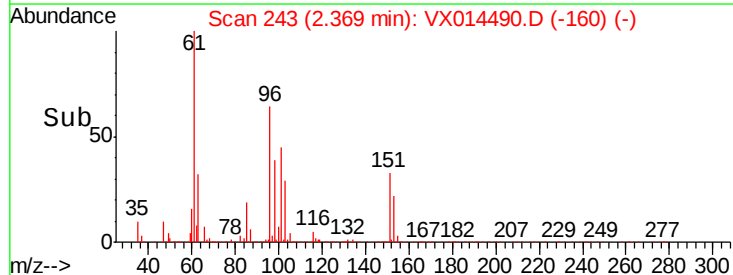
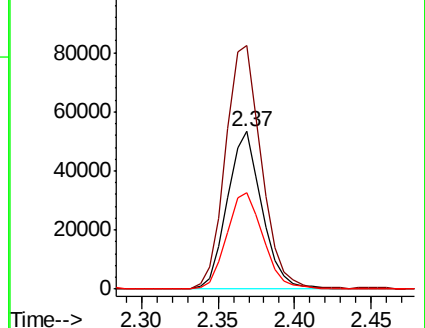
98 61.1 51.4 77.0

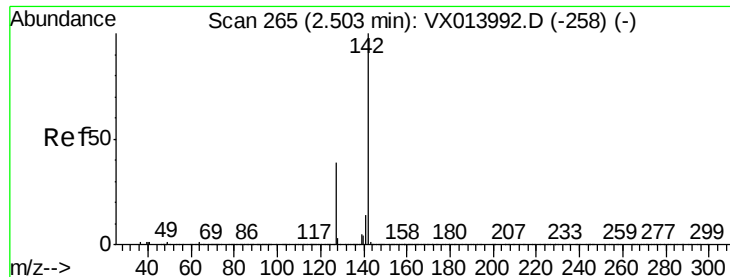


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

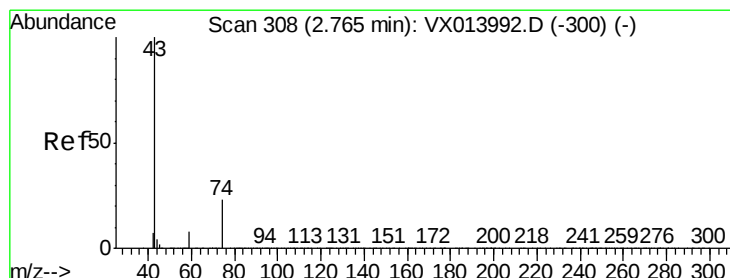
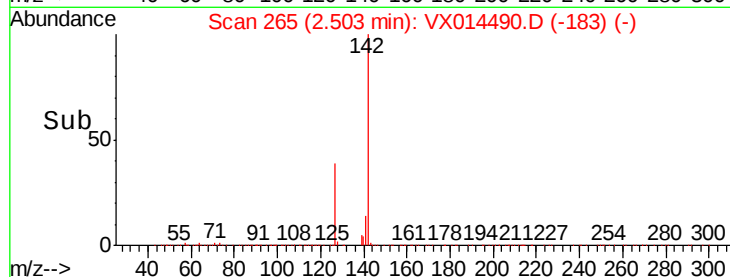
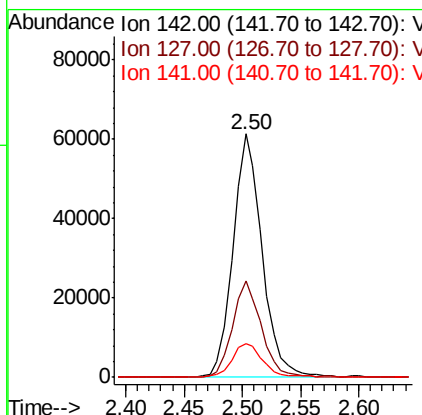
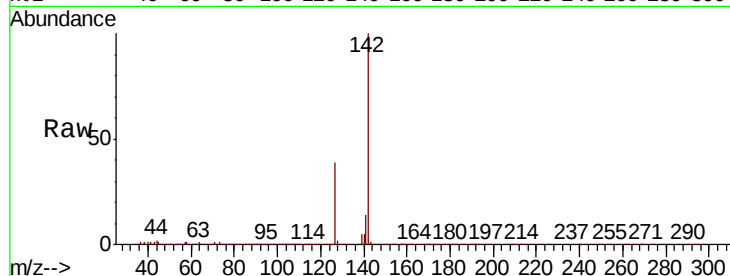




#11
Methvl Iodide
Concen: 19.050 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

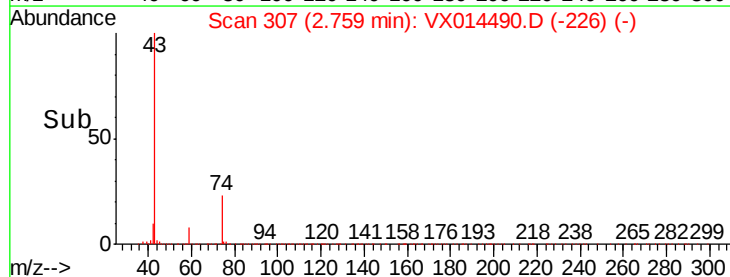
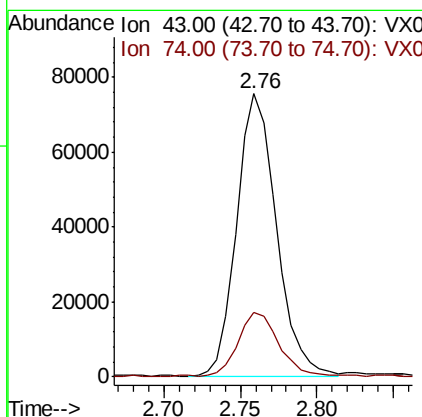
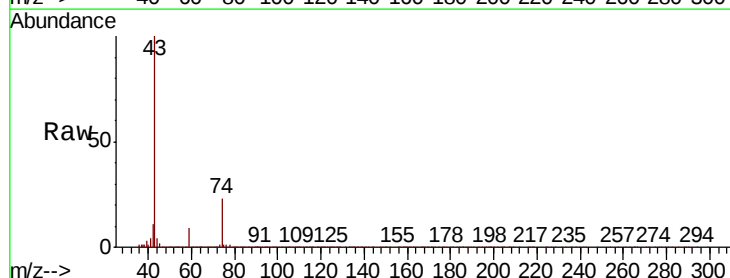
Instrument :
MSVOA_X
ClientSampleId :

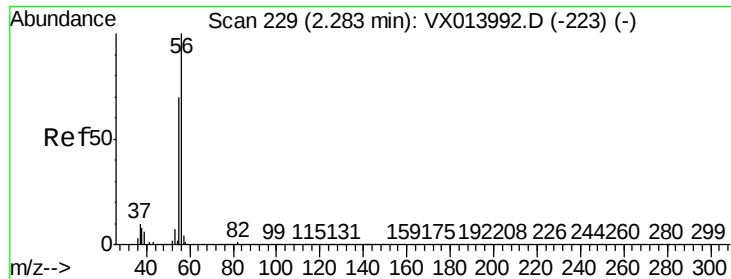
Tot Ion:142 Resp: 106075
Ion Ratio Lower Upper
142 100
127 39.2 19.5 58.5
141 14.0 7.0 20.9



#12
Methyl Acetate
Concen: 20.213 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 43 Resp: 135349
Ion Ratio Lower Upper
43 100
74 22.3 18.5 27.7

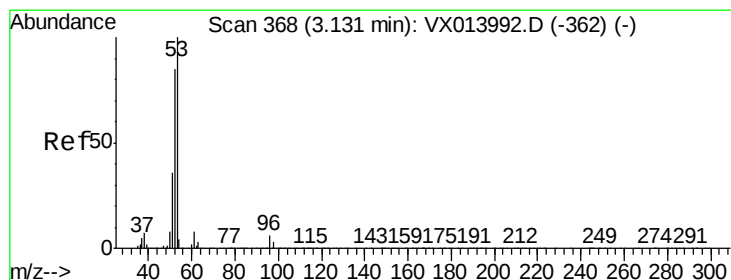
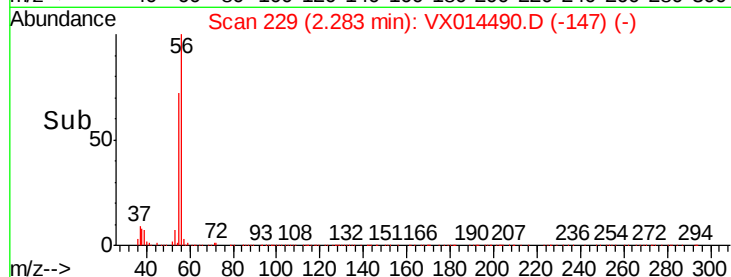
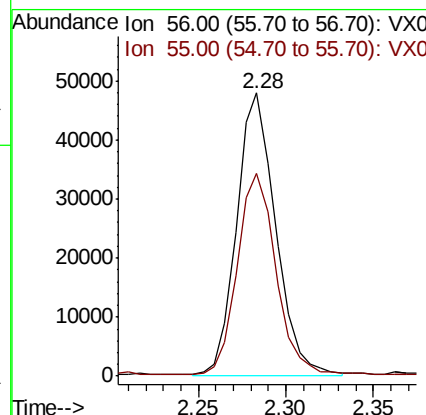
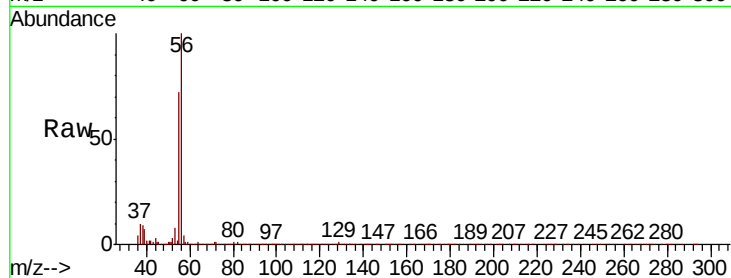




#13
Acrolein
Concen: 91.053 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

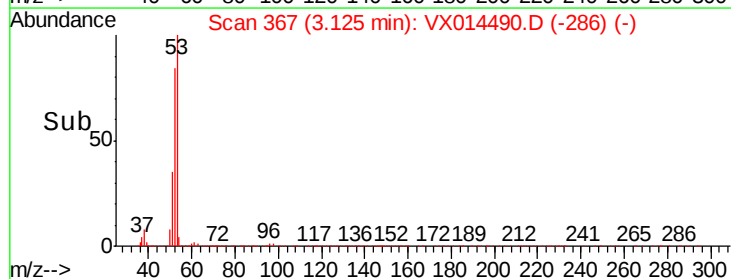
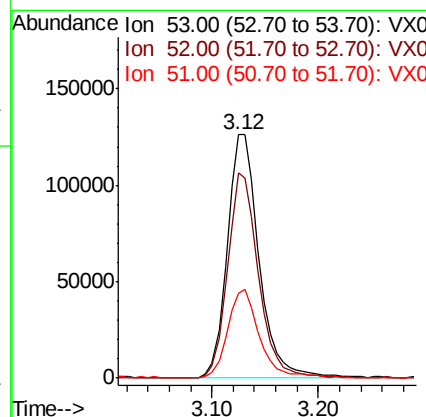
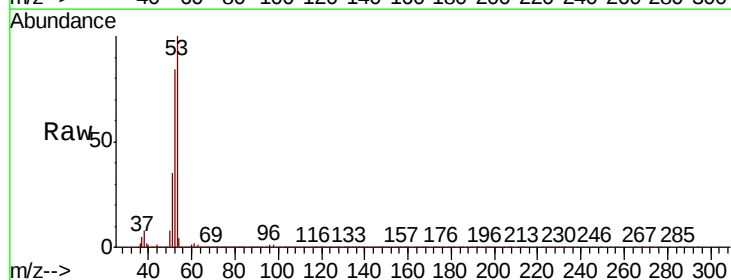
Instrument :
MSVOA_X
ClientSampleId :

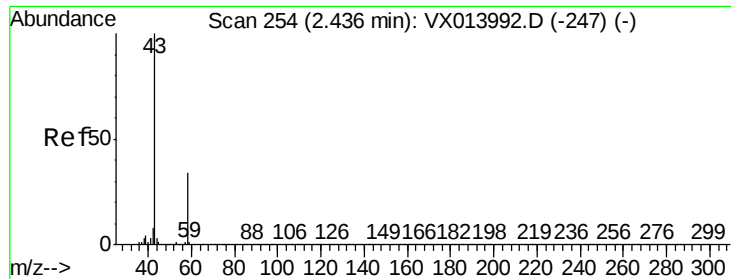
Tot Ion: 56 Resp: 73951
Ion Ratio Lower Upper
56 100
55 70.5 54.9 82.3



#14
Acrylonitrile
Concen: 100.332 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 53 Resp: 262645
Ion Ratio Lower Upper
53 100
52 81.4 41.5 124.6
51 36.0 17.8 53.5

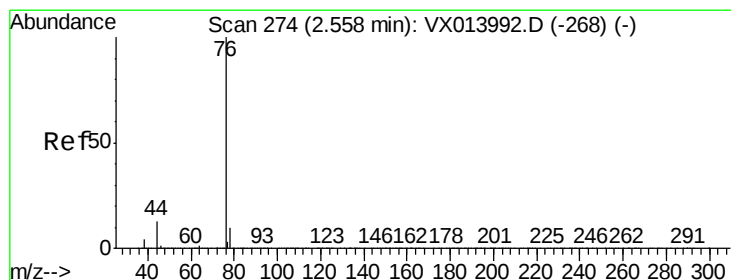
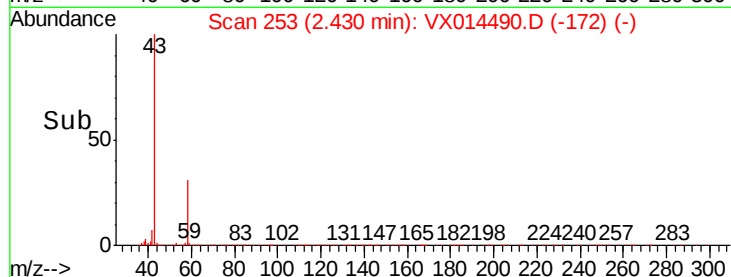
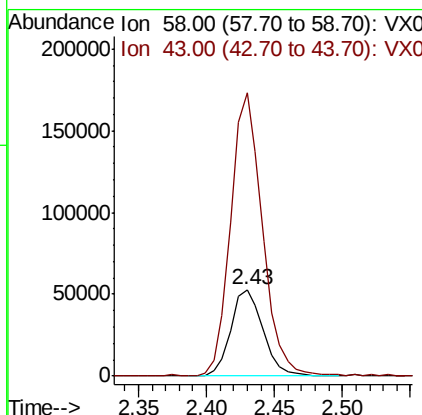
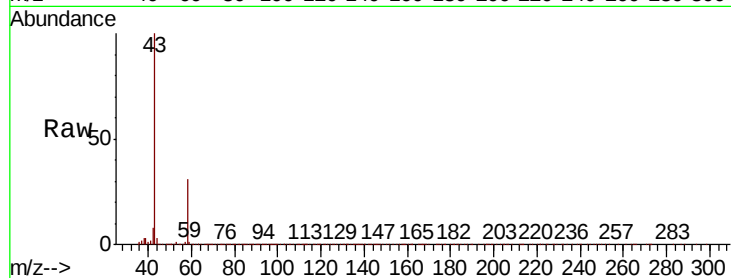




#15
Acetone
Concen: 113.126 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

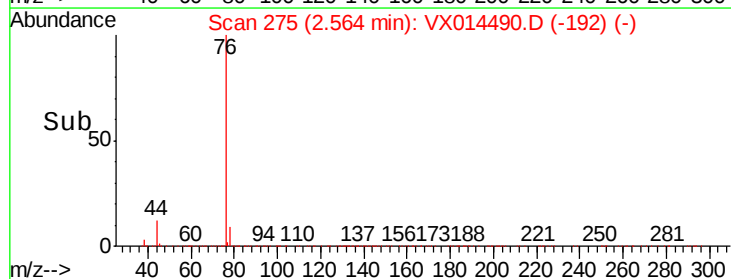
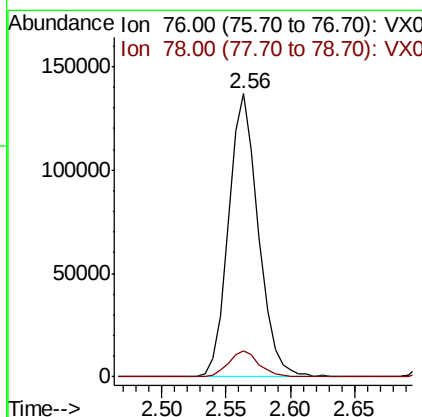
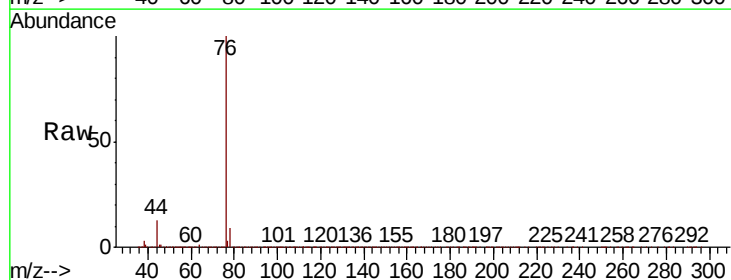
Instrument :
MSVOA_X
ClientSampleId :

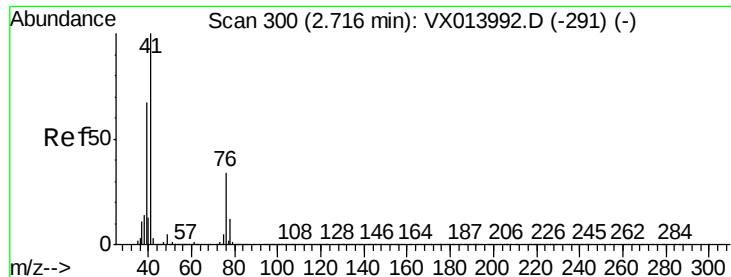
Tot Ion: 58 Resp: 86994
Ion Ratio Lower Upper
58 100
43 326.3 236.3 354.5



#16
Carbon Disulfide
Concen: 18.855 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 76 Resp: 220940
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8





#17

Allvl chloride

Concen: 19.721 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampleId :

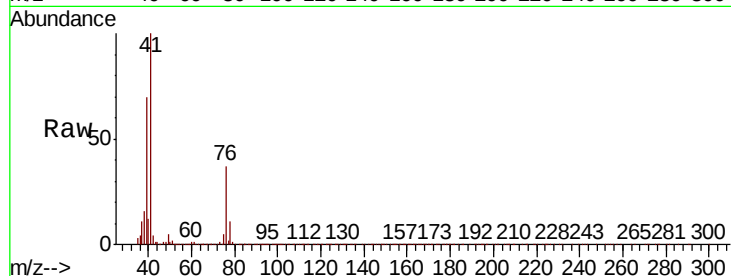
Tot Ion: 41 Resp: 153285

Ion Ratio Lower Upper

41 100

39 69.7 33.4 100.2

76 36.6 17.0 50.9

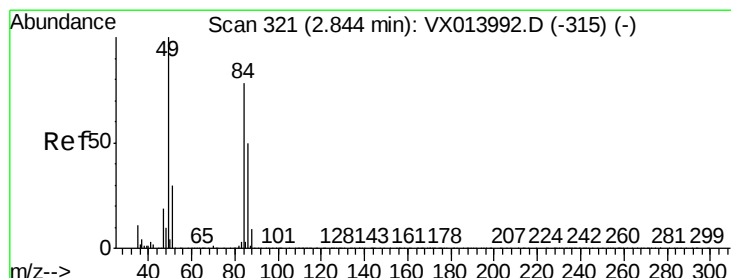
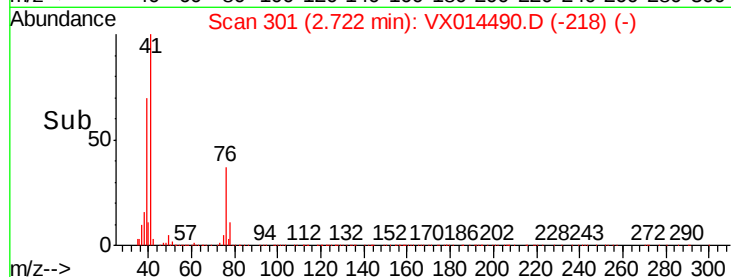
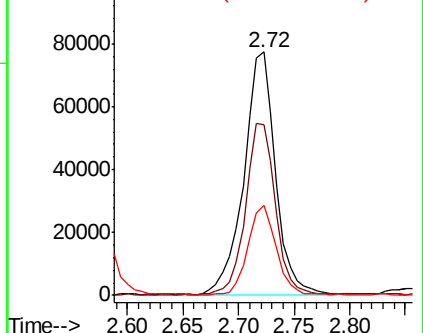


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 18.411 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Tgt Ion: 84 Resp: 97580

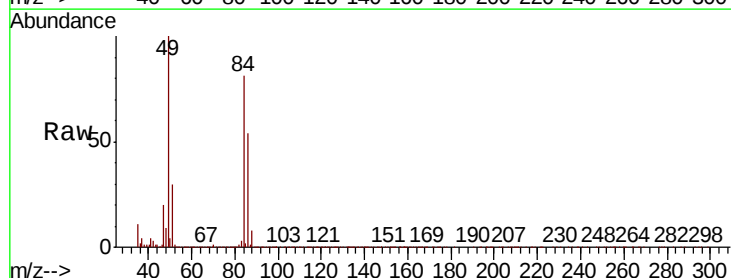
Ion Ratio Lower Upper

84 100

49 122.8 102.2 153.2

51 36.7 31.4 47.0

86 65.5 50.8 76.2



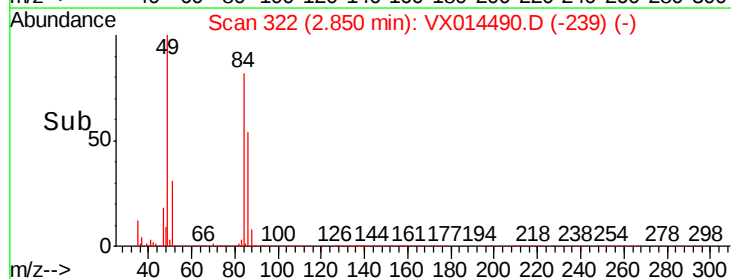
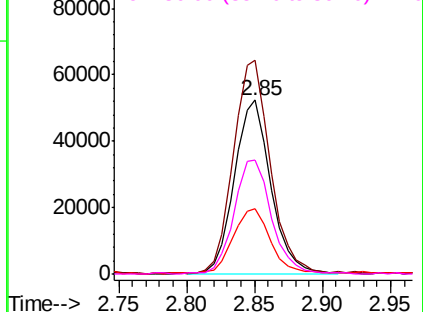
Abundance

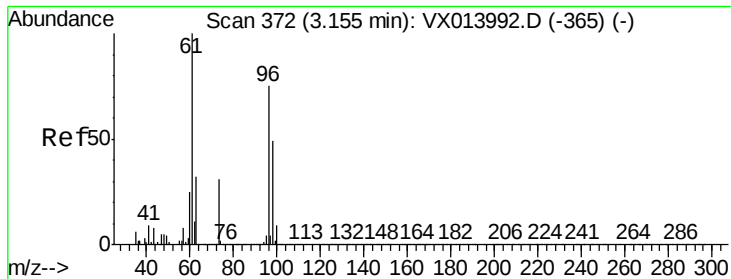
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

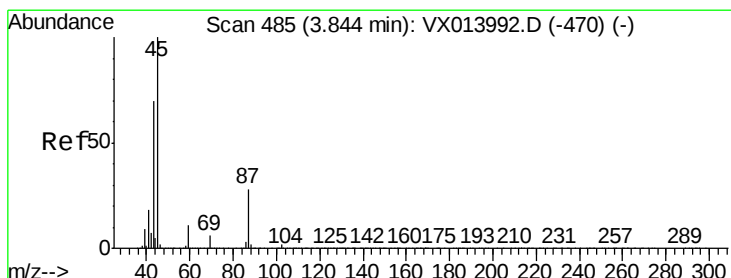
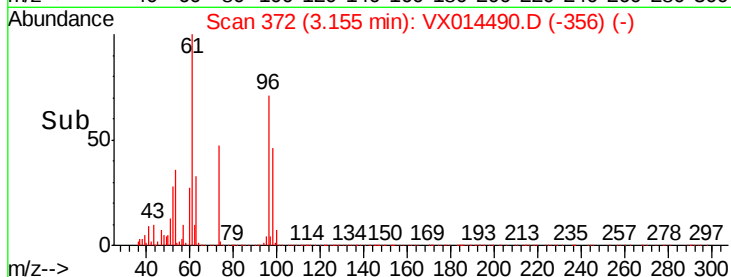
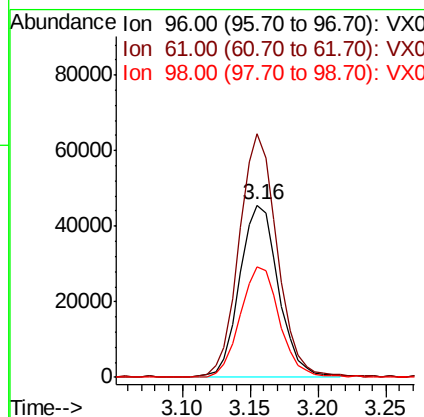
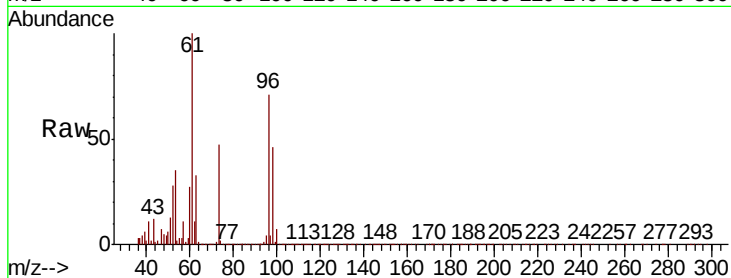




#19
trans-1,2-Dichloroethene
Concen: 19.174 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

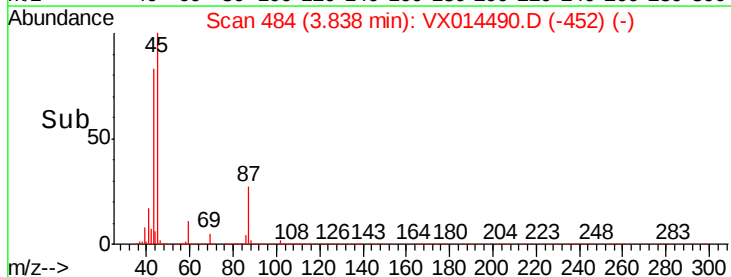
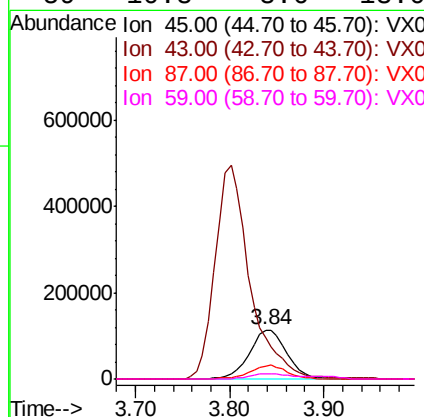
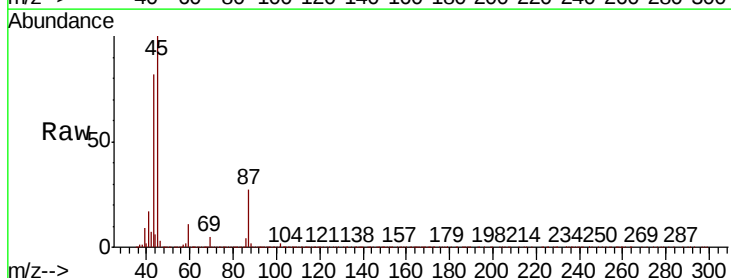
Instrument :
MSVOA_X
ClientSampleId :

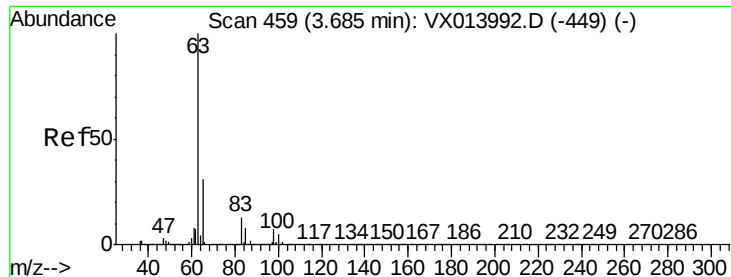
Tot Ion: 96 Resp: 90819
Ion Ratio Lower Upper
96 100
61 142.1 106.6 159.8
98 64.6 51.6 77.4



#20
Diisopropyl ether
Concen: 19.756 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 45 Resp: 315088
Ion Ratio Lower Upper
45 100
43 80.2 55.9 83.9
87 26.9 22.2 33.2
59 10.8 8.6 13.0





#21

1,1-Dichloroethane

Concen: 19.434 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

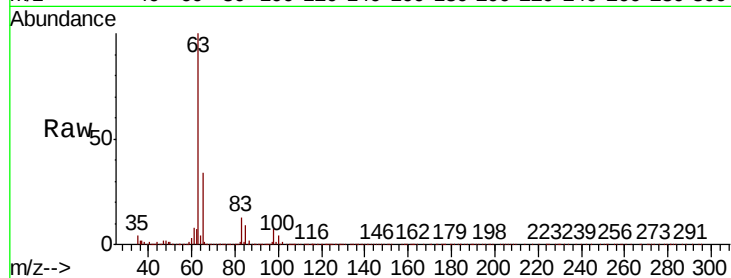
Tot Ion: 63 Resp: 168219

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

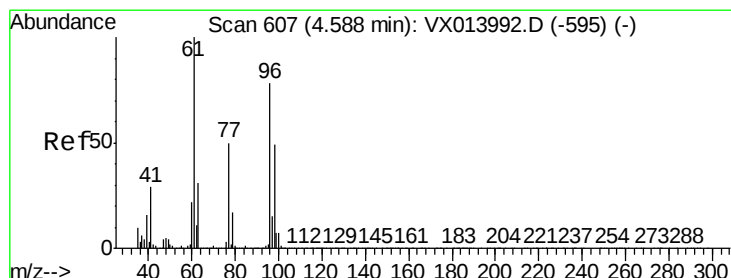
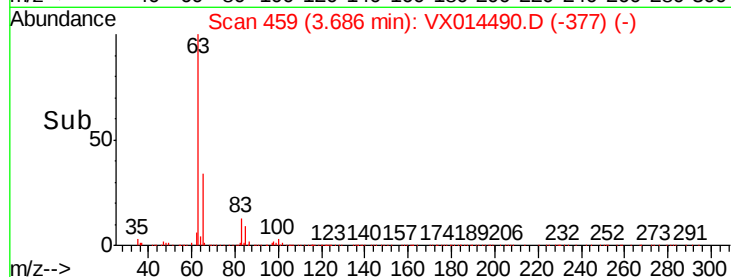
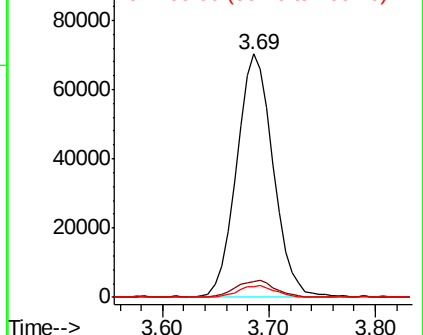
100 4.0 2.5 7.4



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): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.747 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

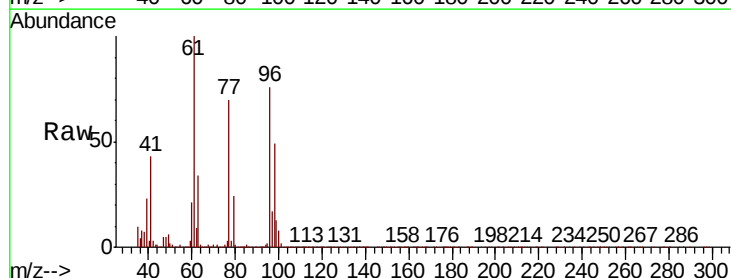
Tgt Ion: 96 Resp: 108430

Ion Ratio Lower Upper

96 100

61 140.3 112.4 168.6

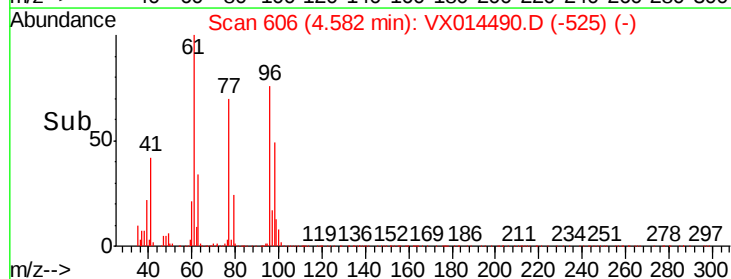
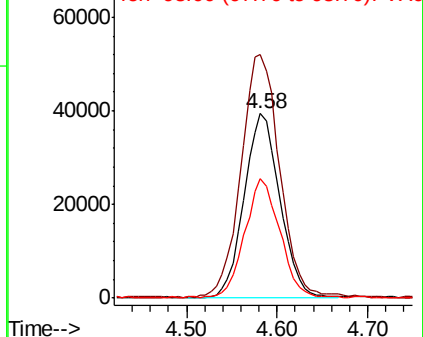
98 62.7 50.3 75.5

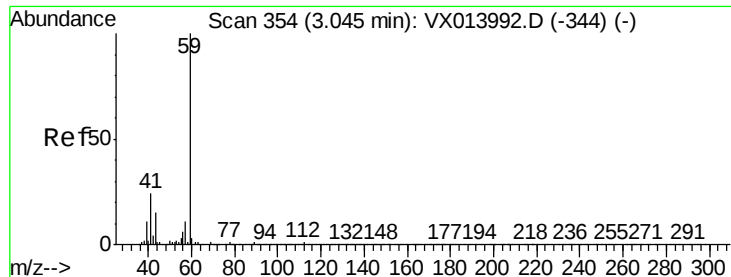


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



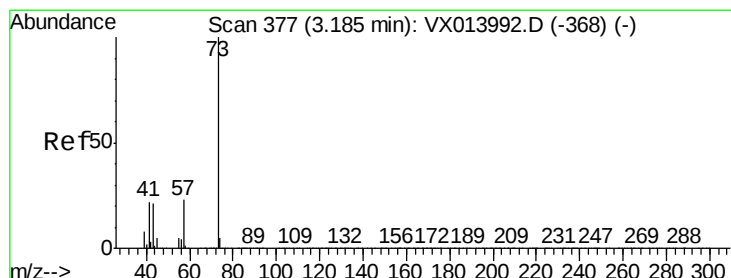
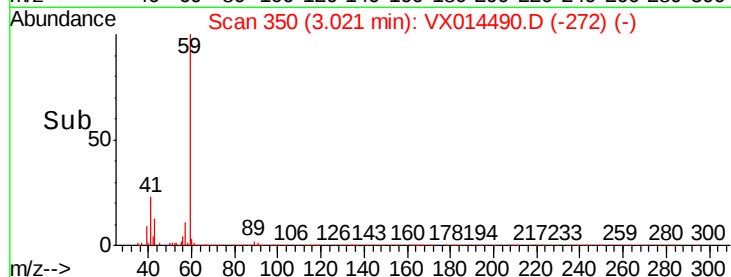
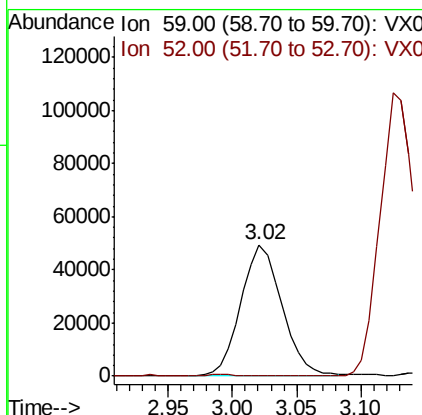
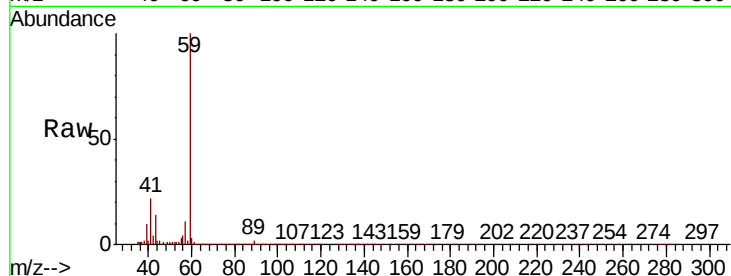


#23

tert-Butyl Alcohol
Concen: 105.613 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampled :

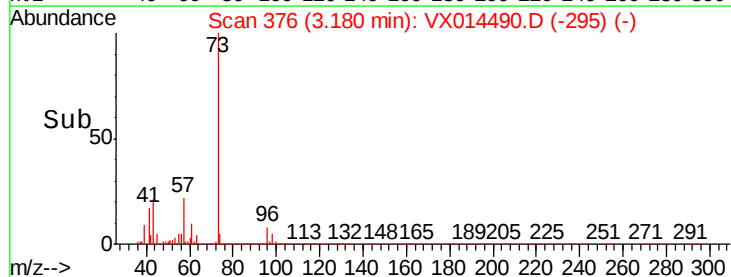
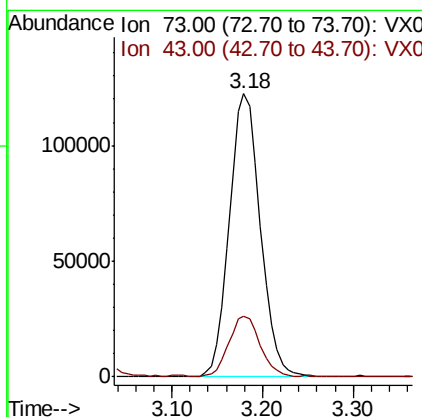
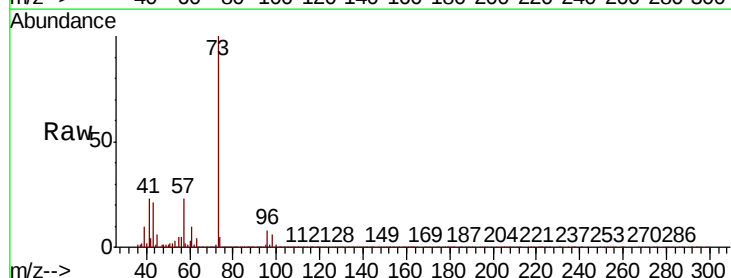
Tot Ion: 59 Resp: 108439
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2

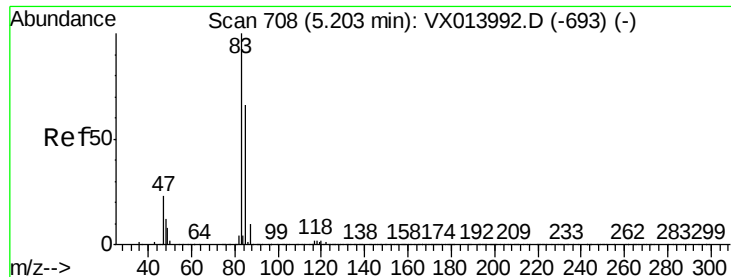


#24

Methyl tert-Butyl Ether
Concen: 19.909 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 73 Resp: 290906
Ion Ratio Lower Upper
73 100
43 20.9 16.6 25.0





#25

Chloroform

Concen: 19.728 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

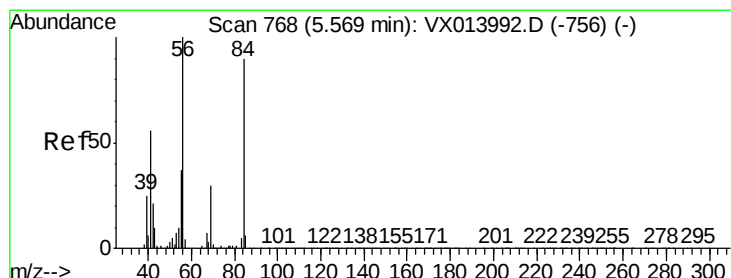
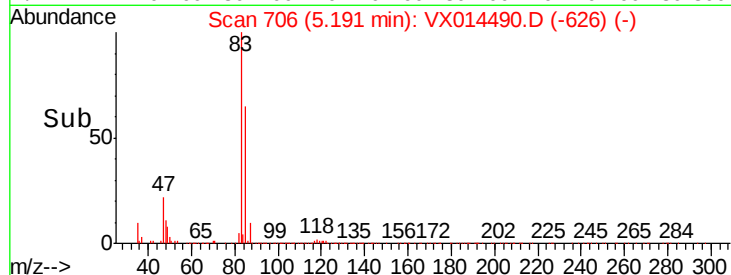
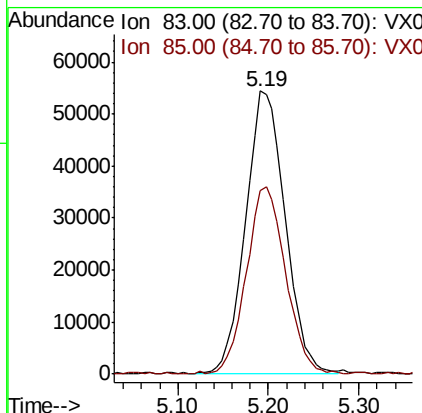
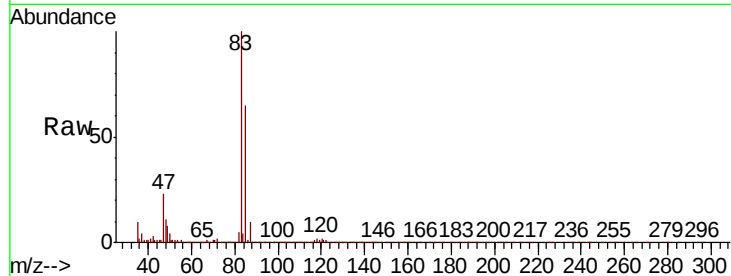
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 162802

Ion Ratio Lower Upper

83 100

85 64.7 52.7 79.1



#26

Cyclohexane

Concen: 19.746 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

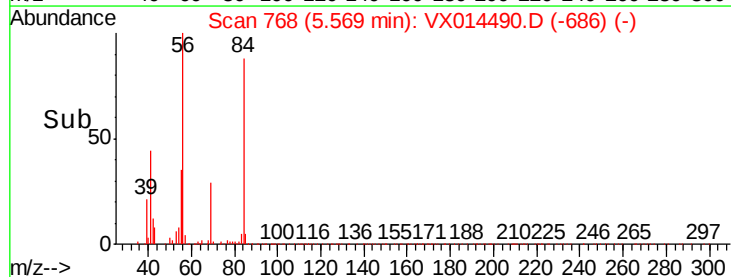
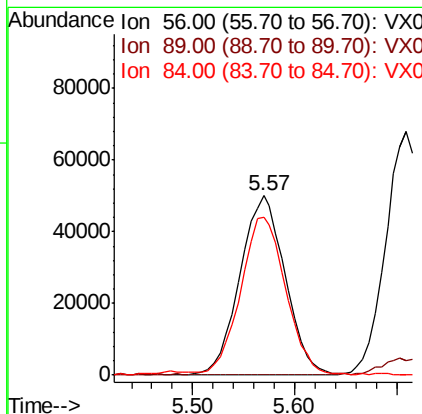
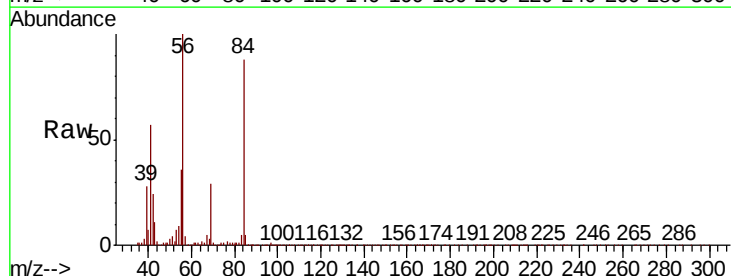
Tgt Ion: 56 Resp: 152409

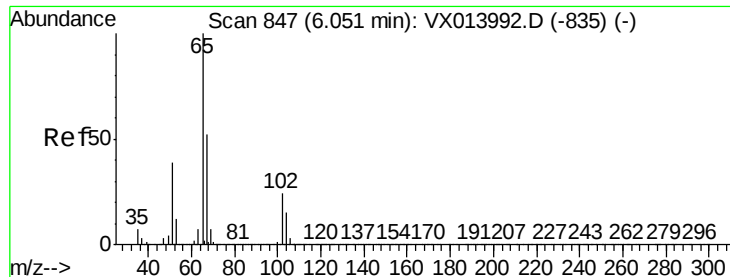
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 88.4 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 29.631 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

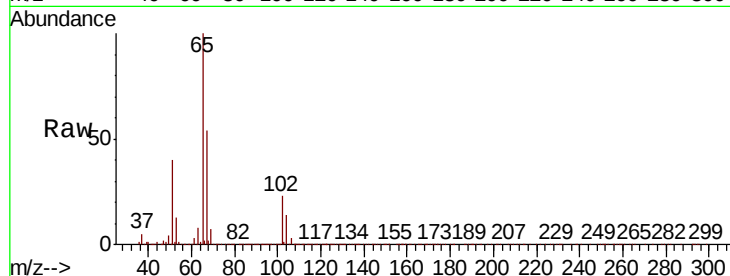
ClientSampleId :

Tot Ion: 65 Resp: 163918

Ion Ratio Lower Upper

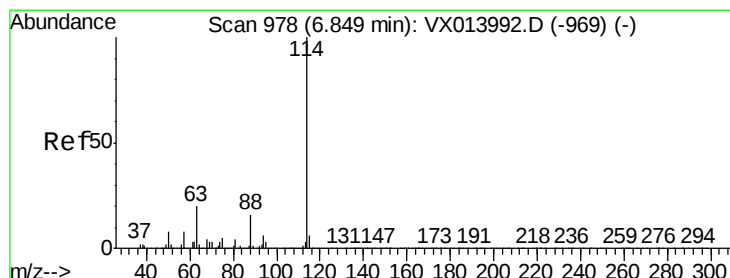
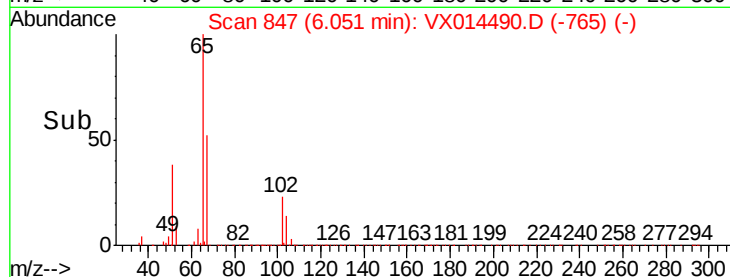
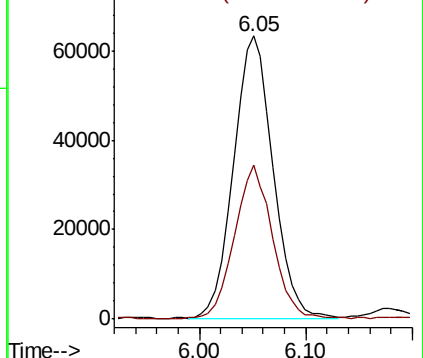
65 100

67 52.2 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

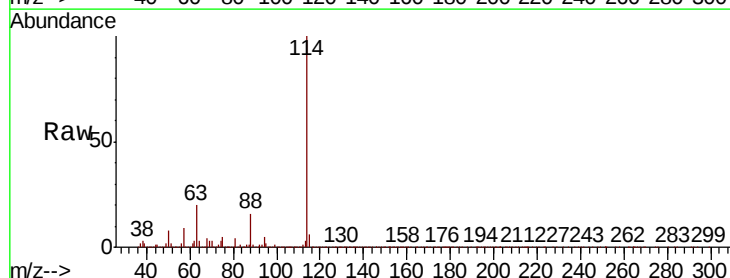
Tgt Ion: 114 Resp: 428530

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

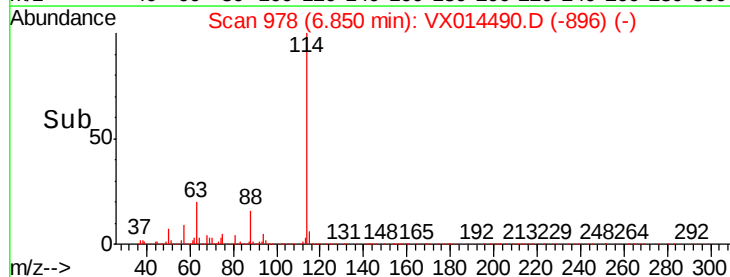
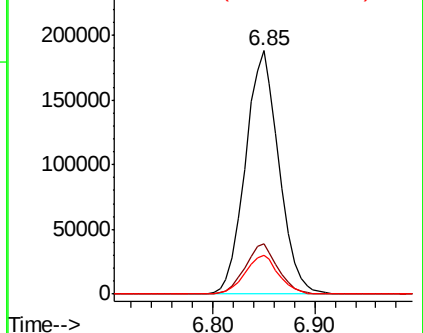
88 15.8 12.5 18.7

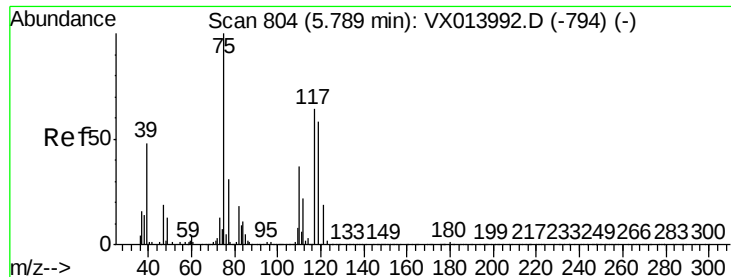


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 19.904 ug/l

RT: 5.79 min Scan# 804

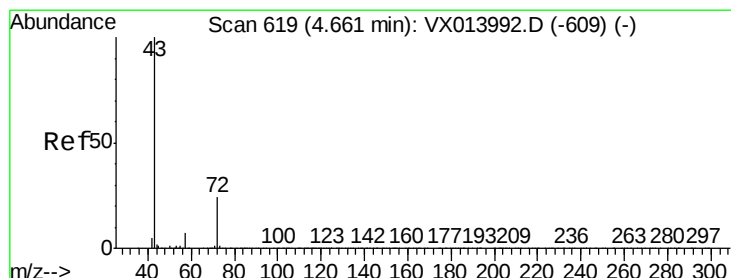
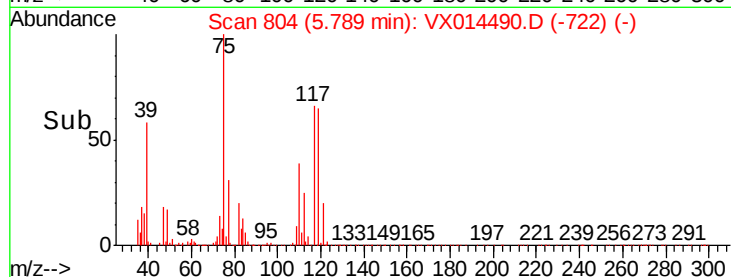
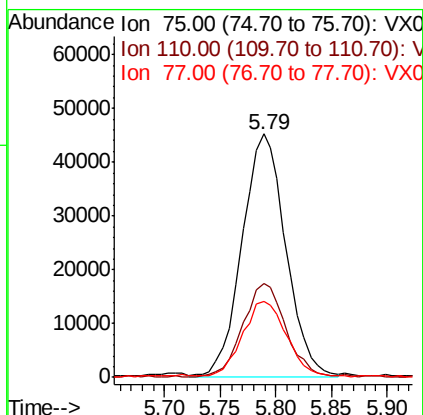
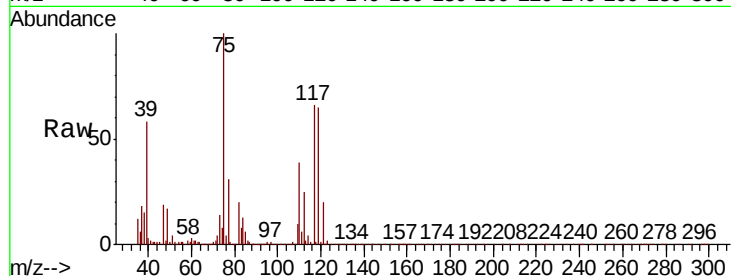
Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	123205
Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	73.8
77	31.0	0.0	62.4



#30

2-Butanone

Concen: 106.788 ug/l

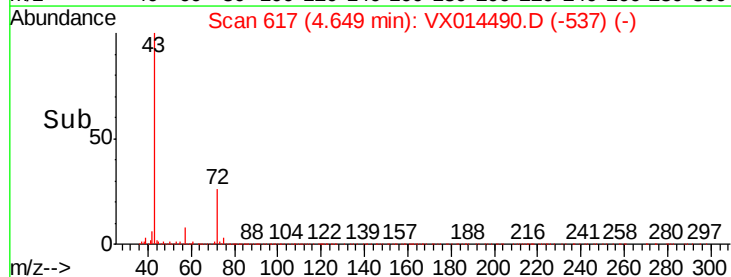
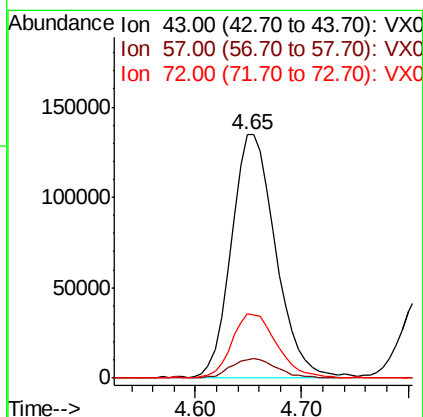
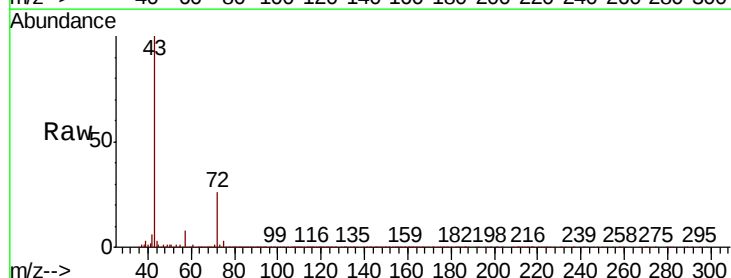
RT: 4.65 min Scan# 617

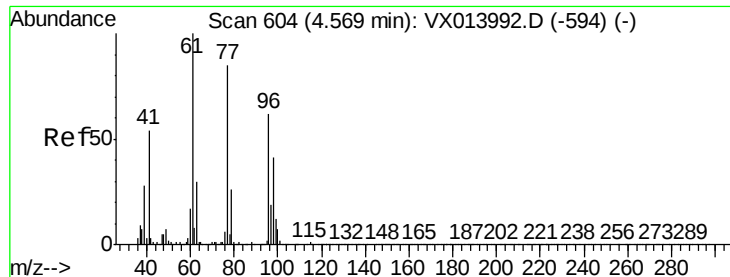
Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Tgt Ion:	43	Resp:	389619
Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.2	9.2
72	26.0	20.3	30.5





#31

2,2-Dichloropropane

Concen: 23.139 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

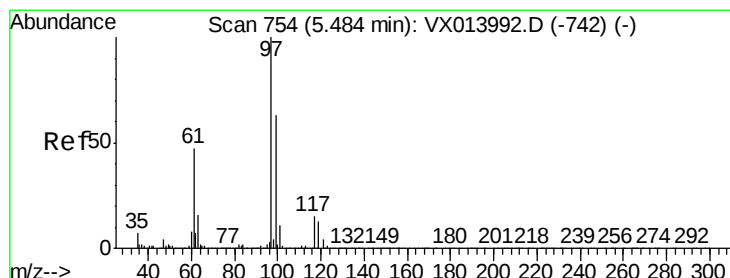
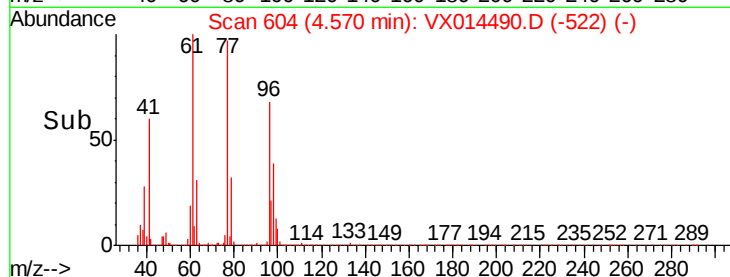
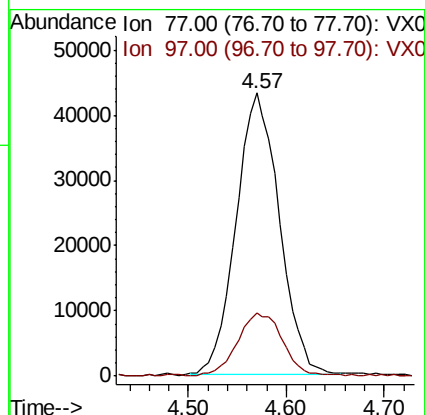
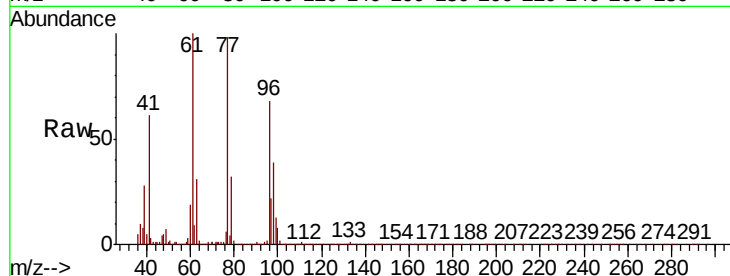
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 77 Resp: 132491

Ion Ratio Lower Upper

77 100

97 23.2 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 19.746 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

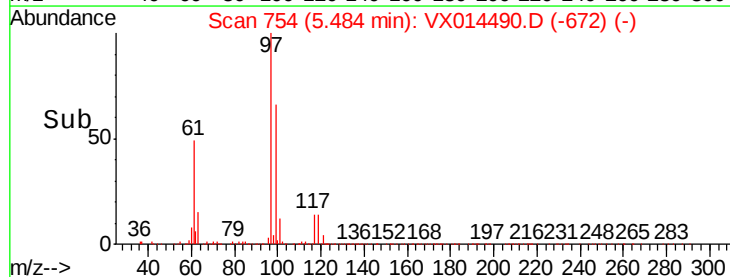
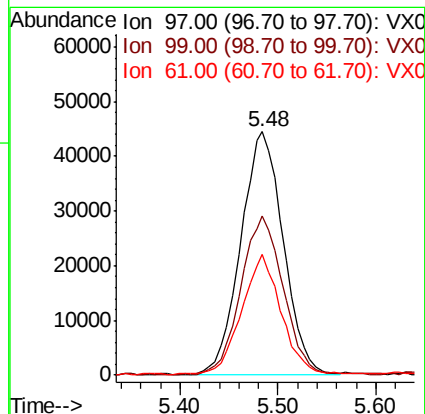
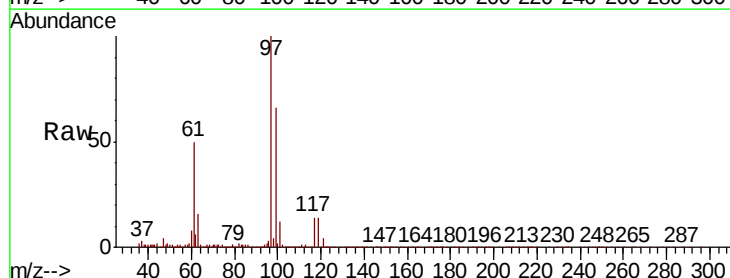
Tgt Ion: 97 Resp: 135195

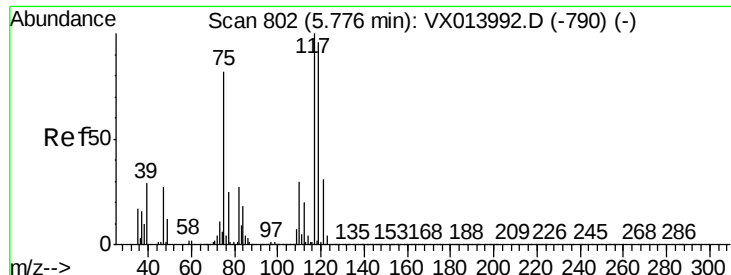
Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

61 45.9 36.8 55.2





#33

Carbon Tetrachloride

Concen: 20.158 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

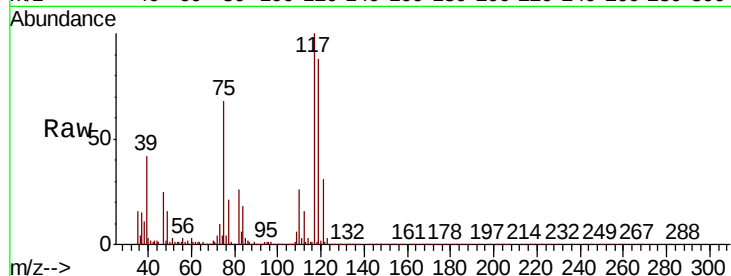
Tot Ion:117 Resp: 117321

Ion Ratio Lower Upper

117 100

119 87.6 77.2 115.8

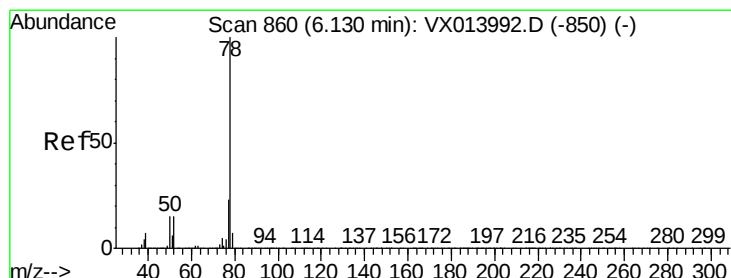
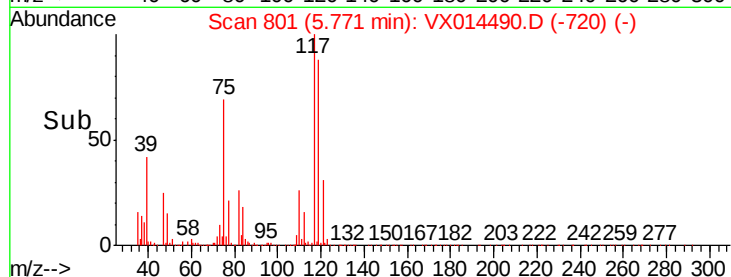
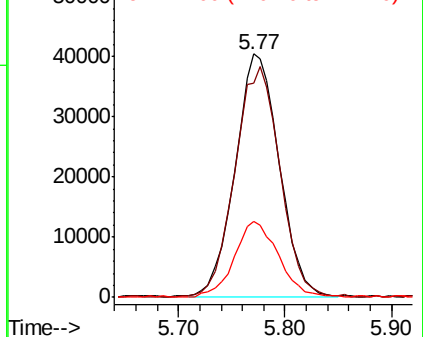
121 31.4 24.8 37.2



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: 20.055 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

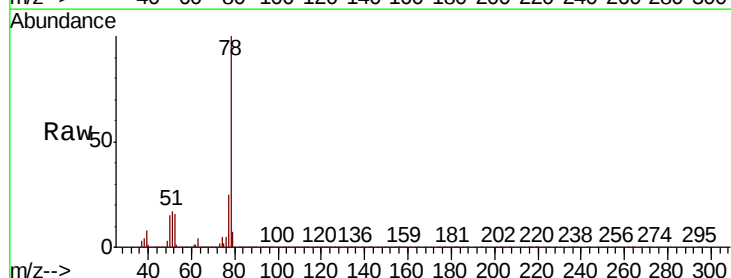
Tgt Ion: 78 Resp: 387092

Ion Ratio Lower Upper

78 100

77 24.6 18.2 27.2

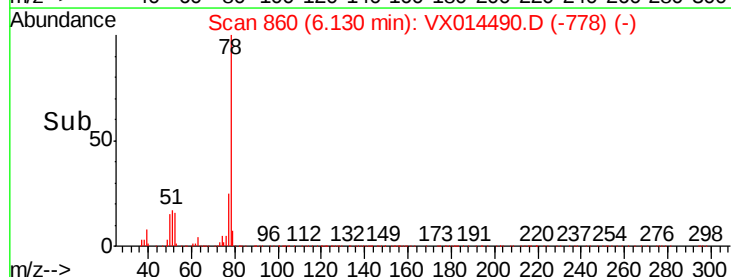
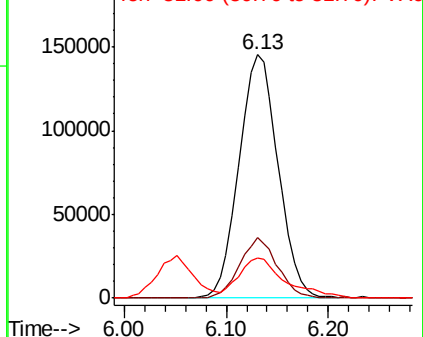
51 15.6 12.4 18.6

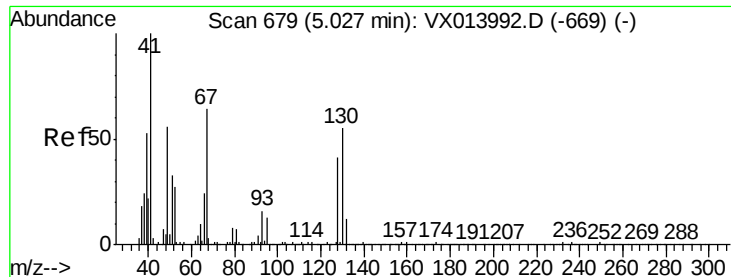


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

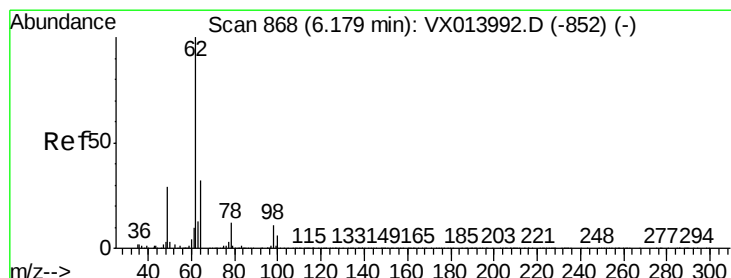
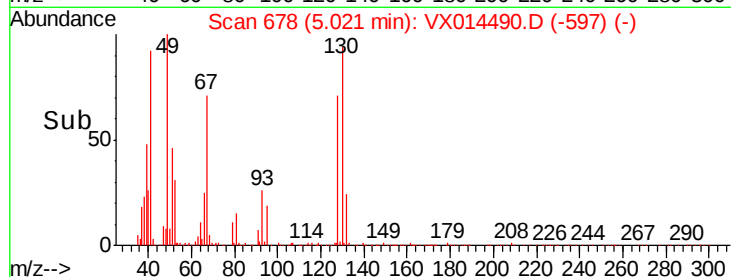
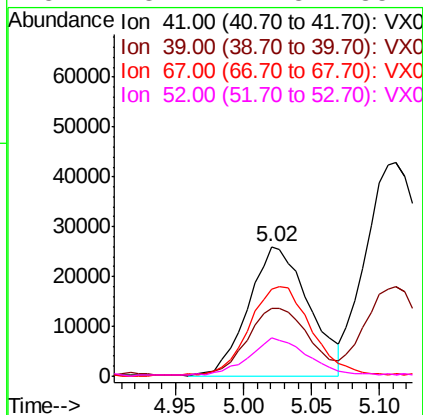
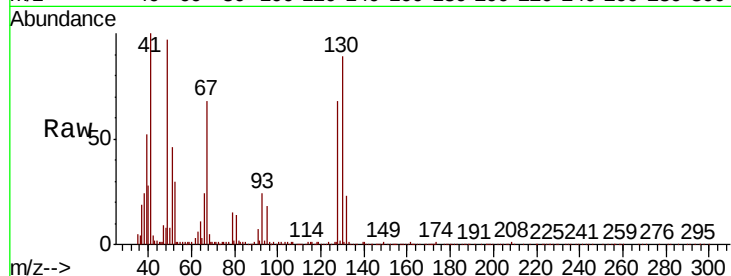




#35
Methacrylonitrile
Concen: 20.648 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

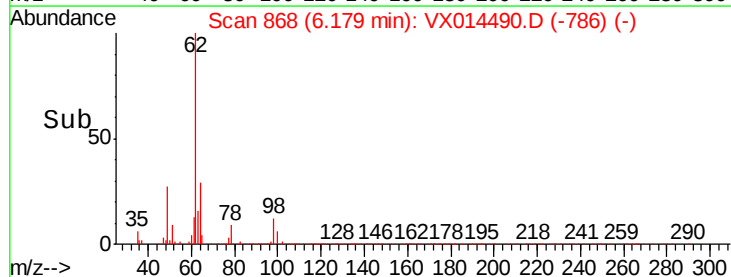
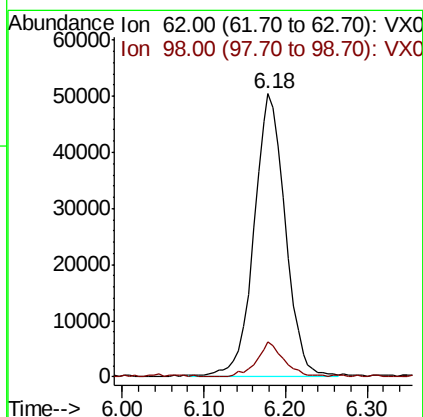
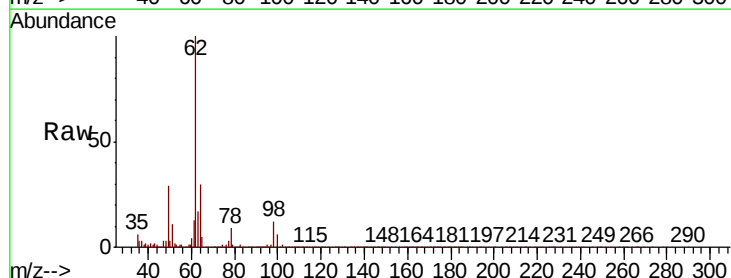
Instrument :
MSVOA_X
ClientSampleId :

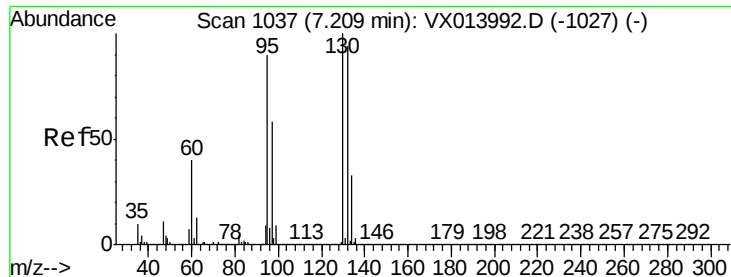
Tot Ion:	41	Resp:	81024
Ion	Ratio	Lower	Upper
41	100		
39	51.6	26.7	80.1
67	66.9	31.5	94.5
52	28.1	12.8	38.4



#36
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion:	62	Resp:	133652
Ion	Ratio	Lower	Upper
62	100		
98	10.6	8.4	12.6





#37

Trichloroethene

Concen: 20.478 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

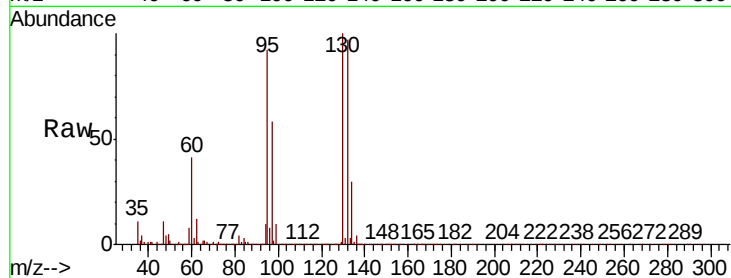
ClientSampleId :

Tot Ion:130 Resp: 107550

Ion Ratio Lower Upper

130 100

95 91.1 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

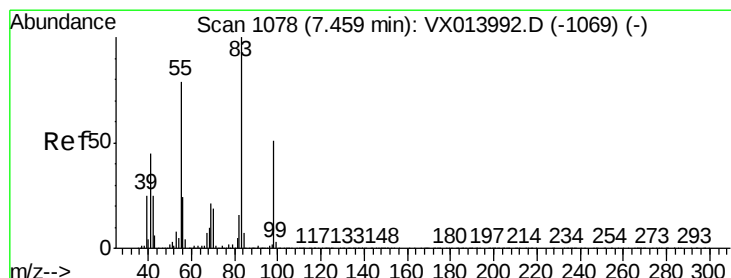
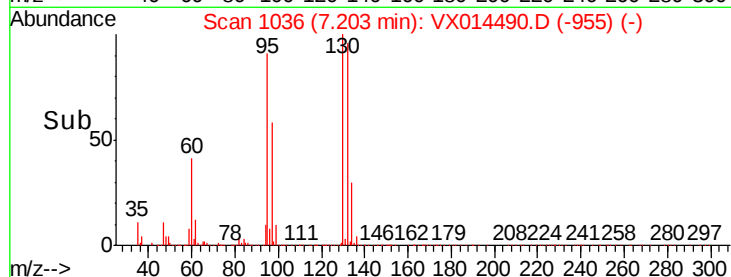
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 21.324 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

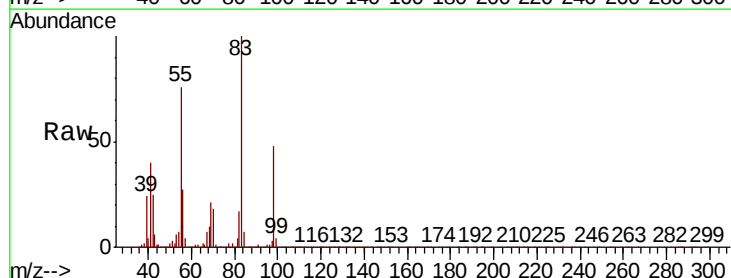
Tgt Ion: 83 Resp: 157446

Ion Ratio Lower Upper

83 100

55 76.3 39.4 118.1

98 49.0 25.1 75.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

100000

80000

60000

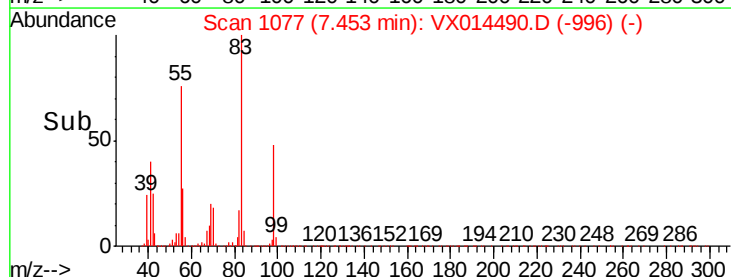
40000

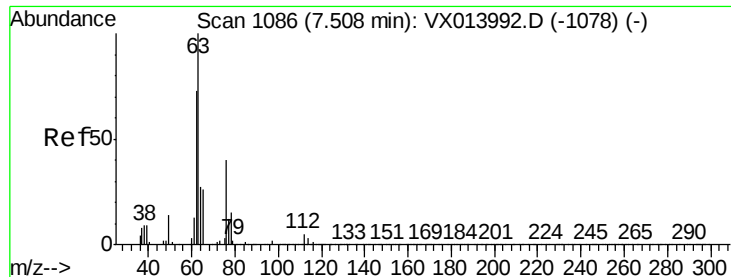
20000

0

7.40 7.45 7.50

Time-->

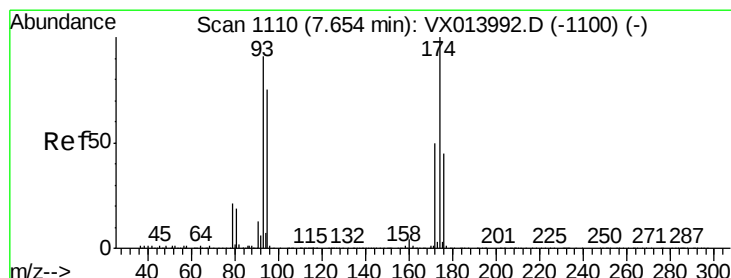
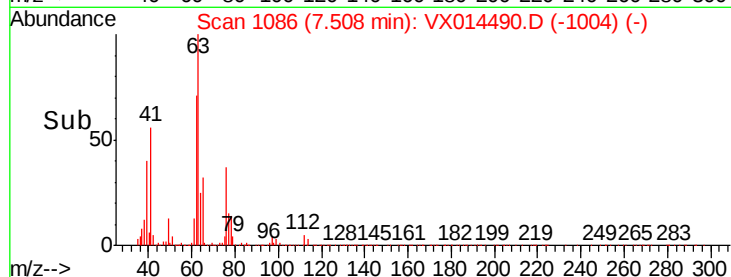
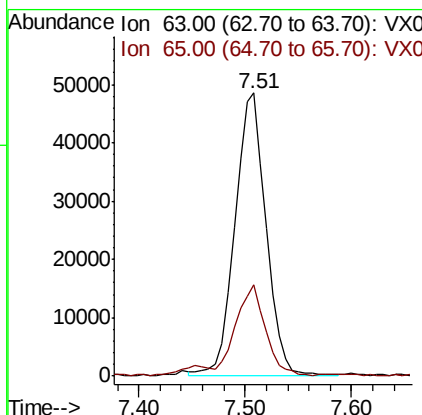
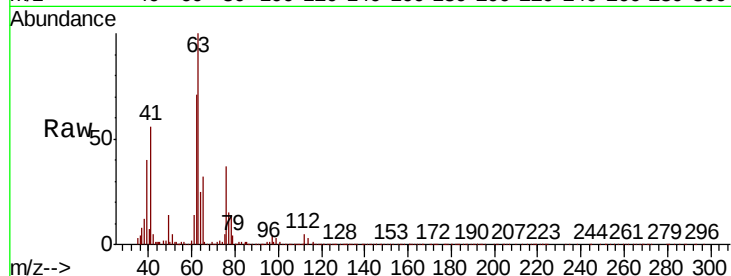




#39
 1,2-Dichloropropane
 Concen: 19.723 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

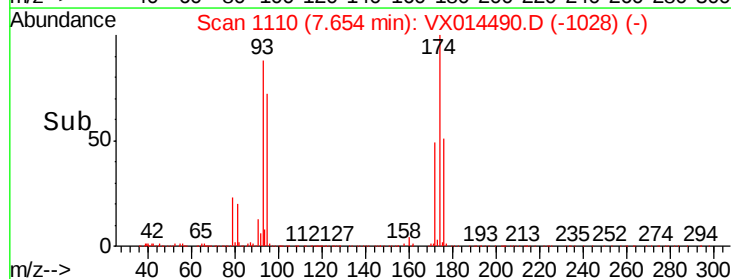
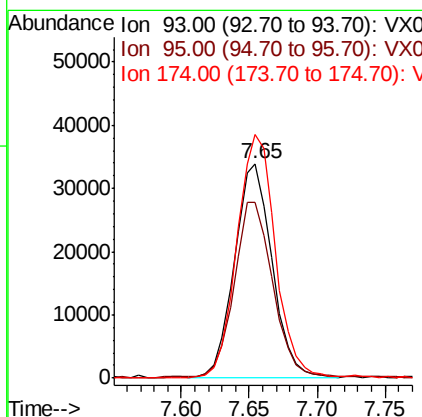
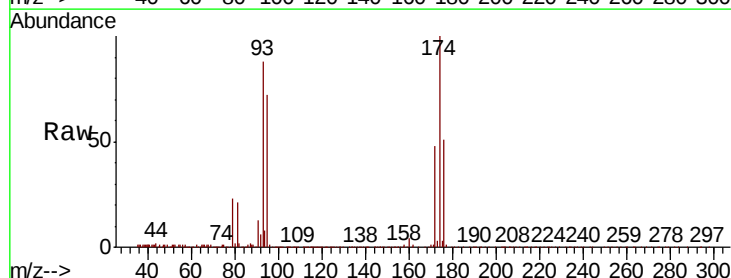
Instrument :
 MSVOA_X
 ClientSampled :

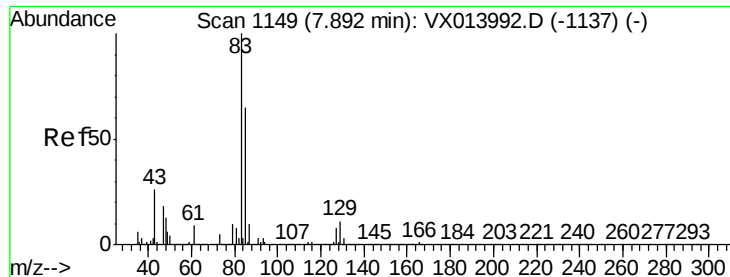
Tot Ion: 63 Resp: 98873
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 33.1



#40
 Dibromomethane
 Concen: 20.327 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

Tgt Ion: 93 Resp: 65096
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 164.4
 174 116.8 0.0 228.8





#41

Bromodichloromethane

Concen: 20.115 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampleId :

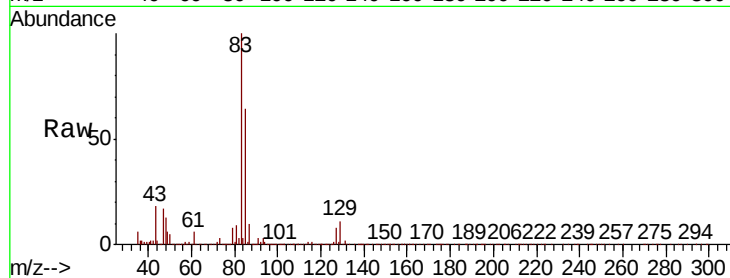
Tot Ion: 83 Resp: 124727

Ion Ratio Lower Upper

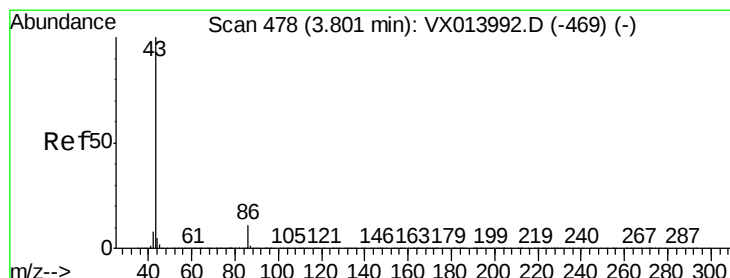
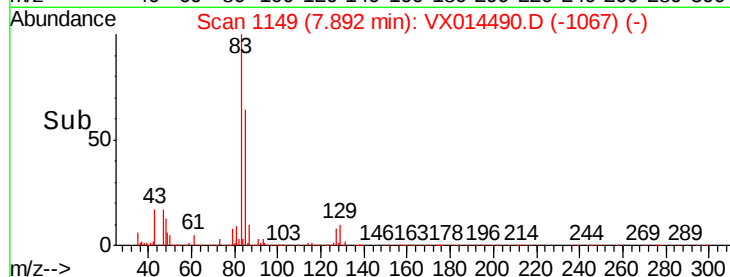
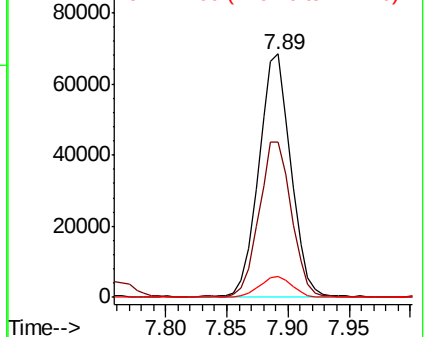
83 100

85 63.6 51.6 77.4

127 8.4 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 99.349 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014490.D

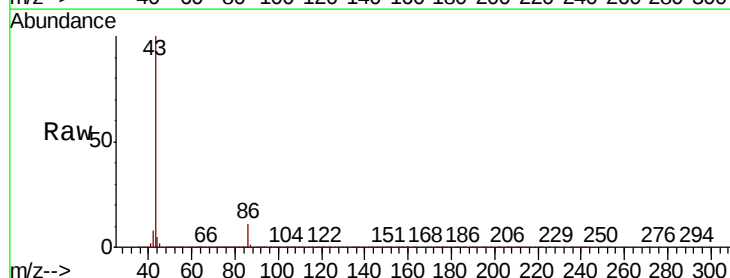
Acq: 09 Jan 2020 11:43

Tgt Ion: 43 Resp: 1279756

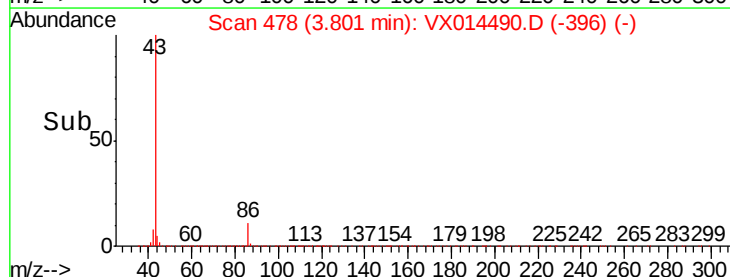
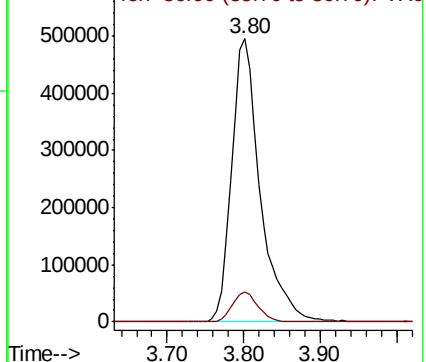
Ion Ratio Lower Upper

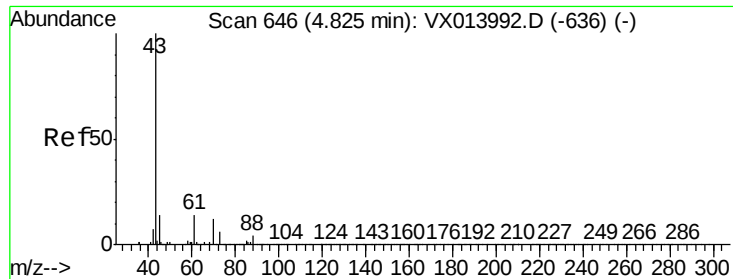
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

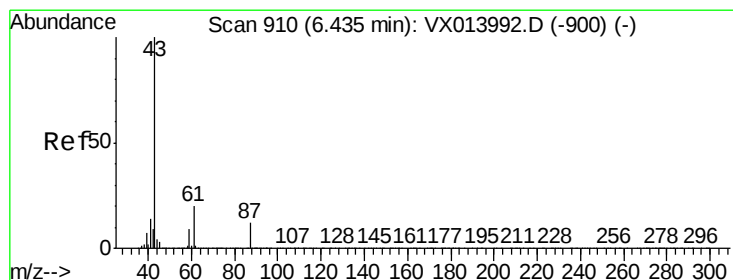
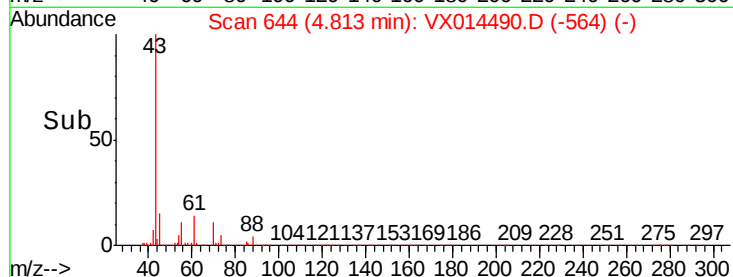
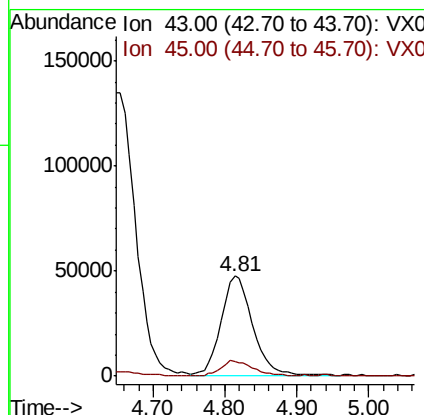
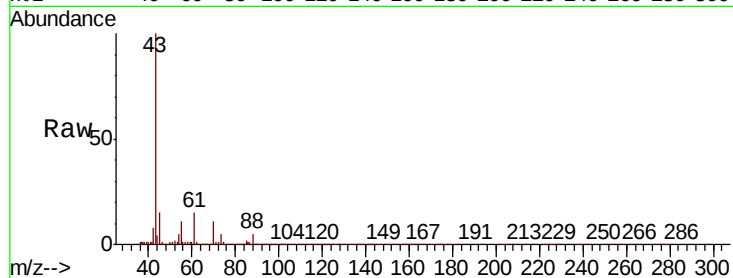




#43
Ethyl Acetate
Concen: 20.550 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

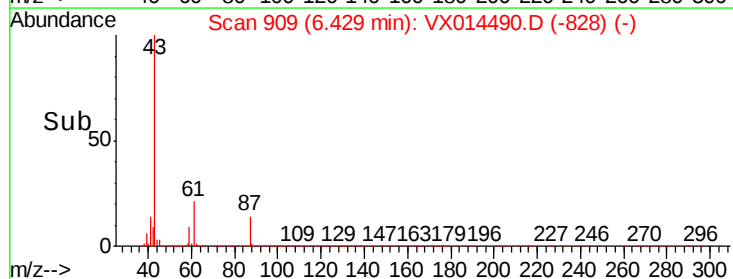
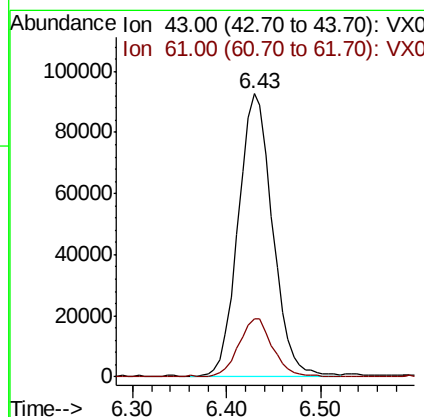
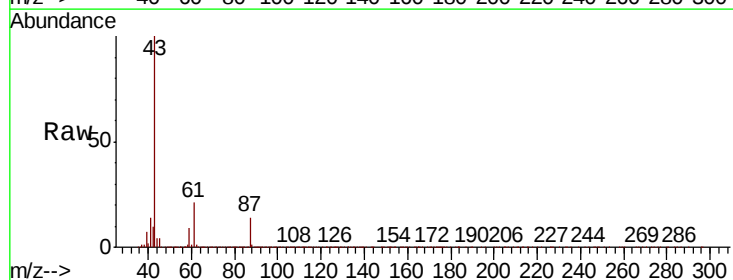
Instrument :
MSVOA_X
ClientSampleId :

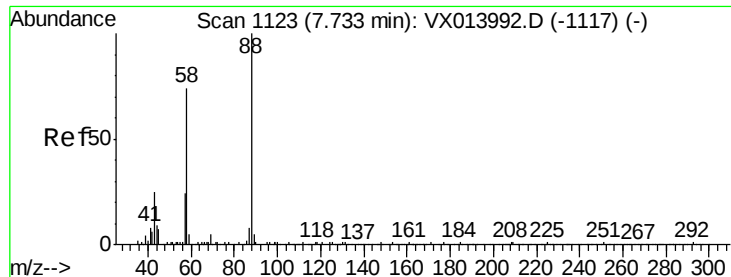
Tot Ion: 43 Resp: 143867
Ion Ratio Lower Upper
43 100
45 14.4 11.8 17.8



#44
Isopropyl Acetate
Concen: 19.952 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 43 Resp: 233945
Ion Ratio Lower Upper
43 100
61 20.2 15.9 23.9





#45

1,4-Dioxane

Concen: 434.600 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

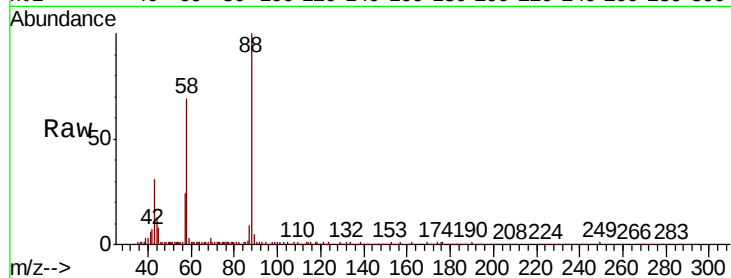
Tot Ion: 88 Resp: 47721

Ion Ratio Lower Upper

88 100

43 32.9 25.4 38.2

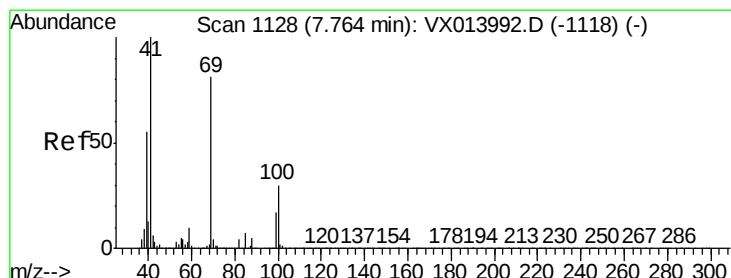
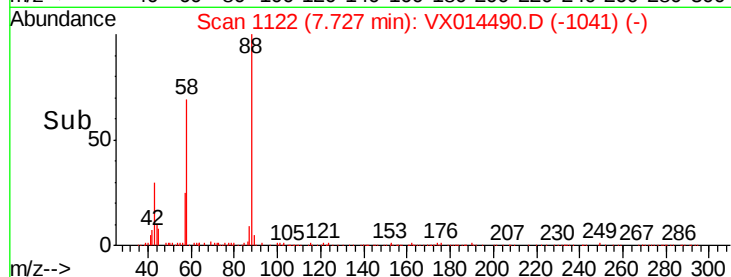
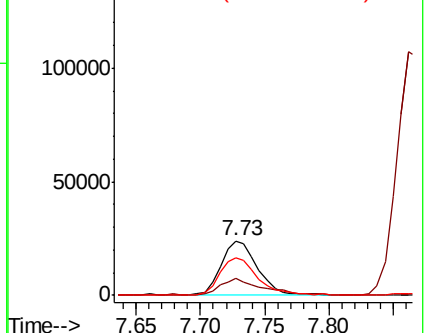
58 69.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 19.747 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

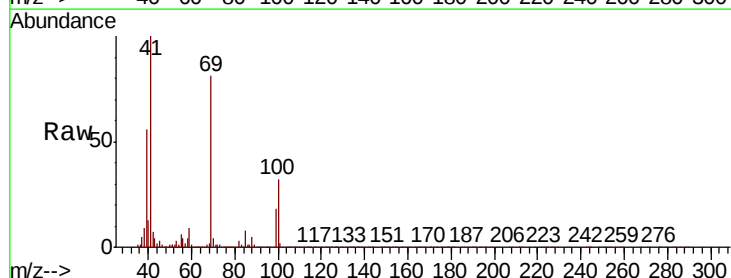
Tgt Ion: 41 Resp: 112471

Ion Ratio Lower Upper

41 100

69 81.2 40.6 122.0

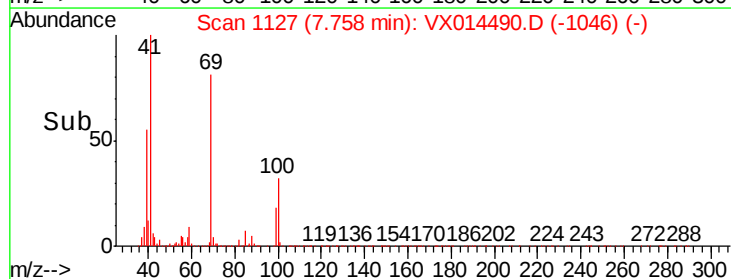
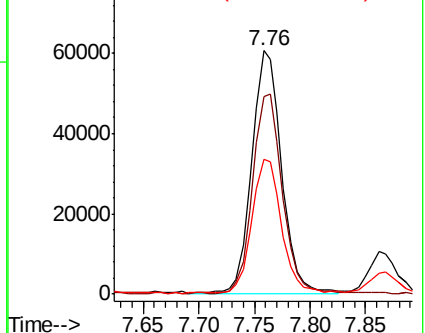
39 55.3 27.8 83.3

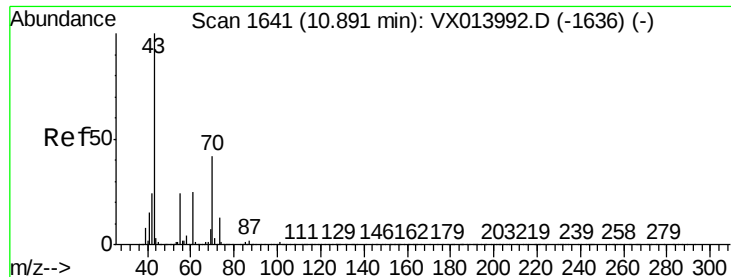


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 18.787 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

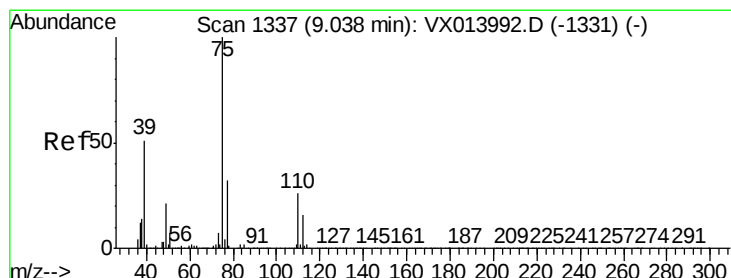
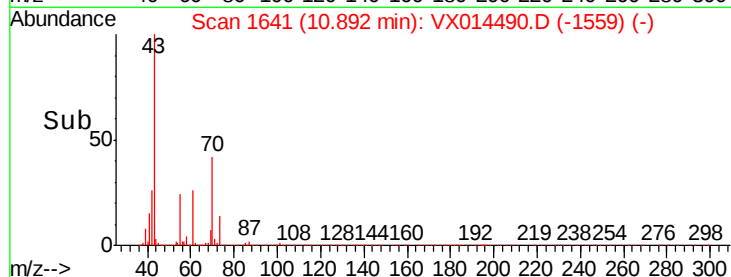
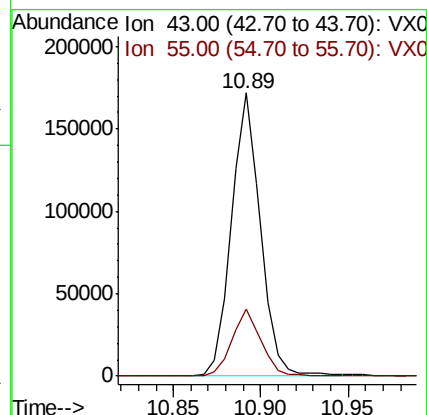
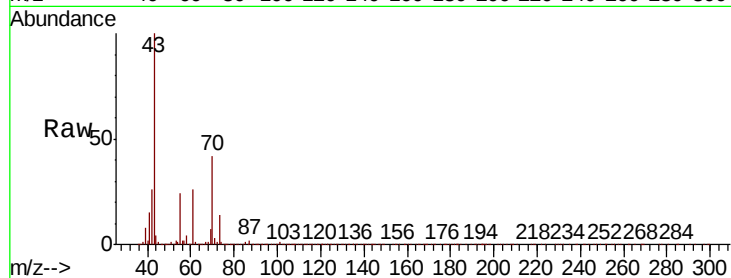
ClientSampleId :

Tot Ion: 43 Resp: 195876

Ion Ratio Lower Upper

43 100

55 24.0 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 20.419 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014490.D

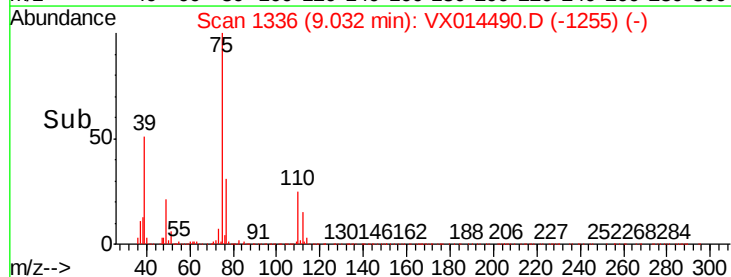
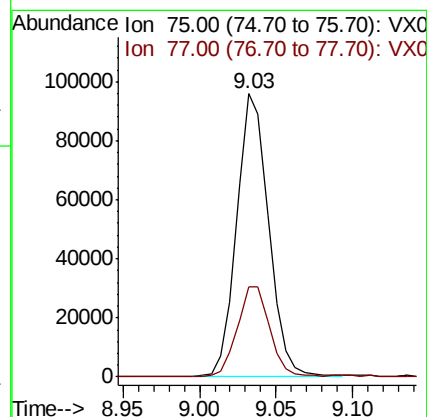
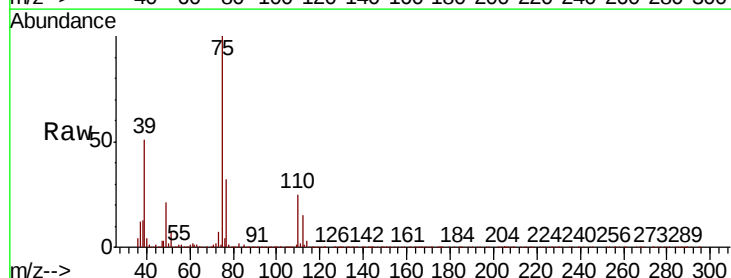
Acq: 09 Jan 2020 11:43

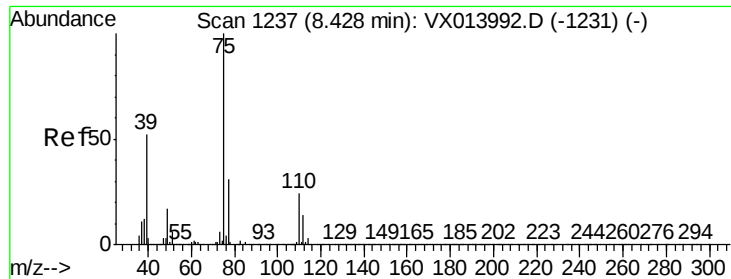
Tgt Ion: 75 Resp: 138194

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

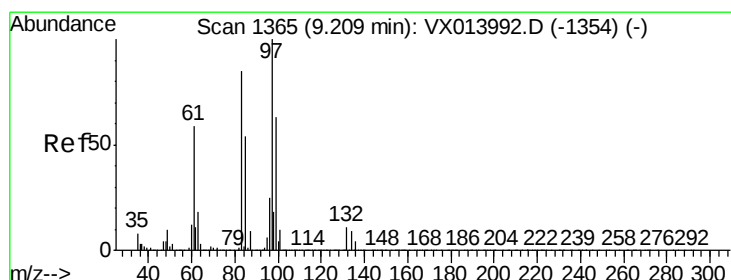
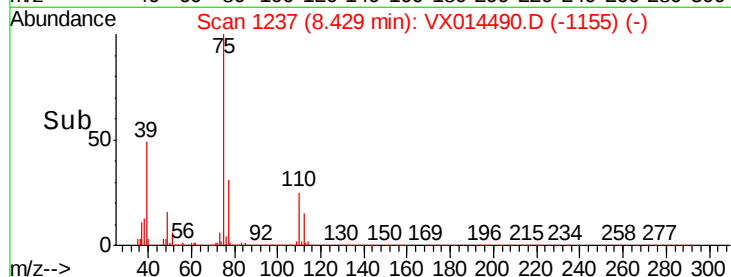
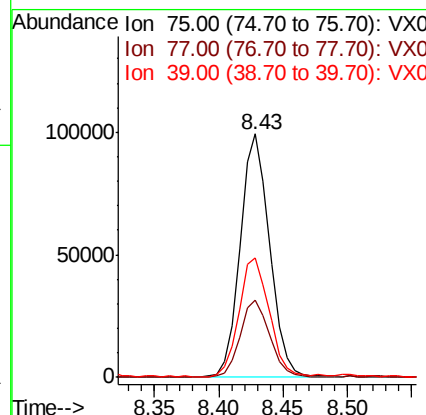
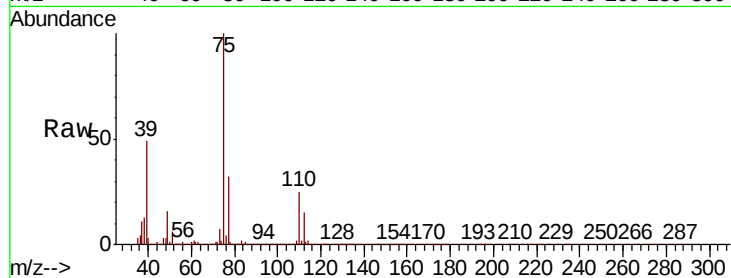




#49
 cis-1,3-Dichloropropene
 Concen: 20.600 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

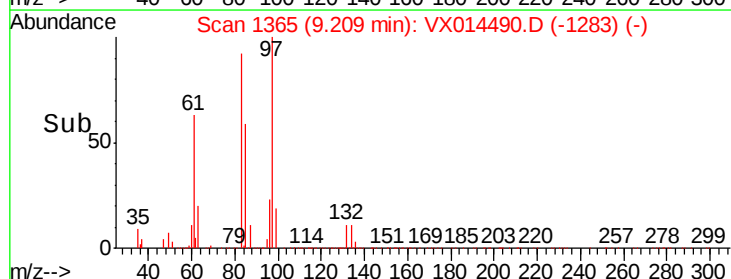
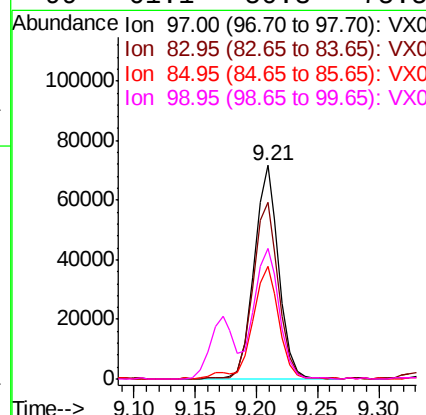
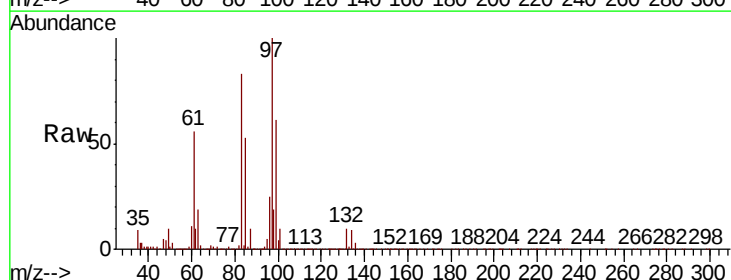
Instrument :
 MSVOA_X
 ClientSampled :

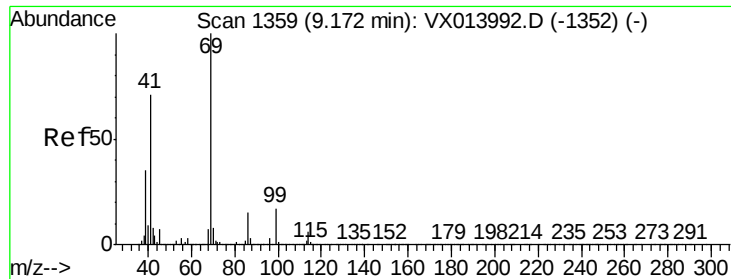
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	49.0	41.1	61.7



#50
 1,1,2-Trichloroethane
 Concen: 20.285 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.1	102.1
85	52.4	42.7	64.1
99	61.1	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.758 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampleId :

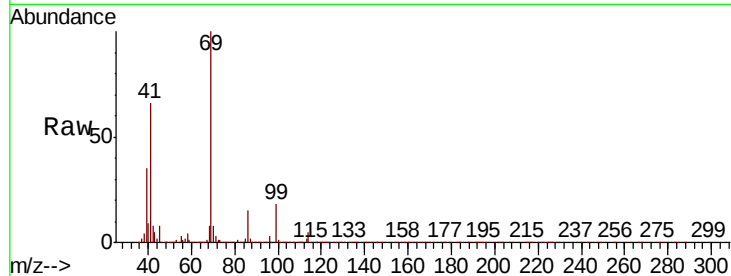
Tot Ion: 69 Resp: 155322

Ion Ratio Lower Upper

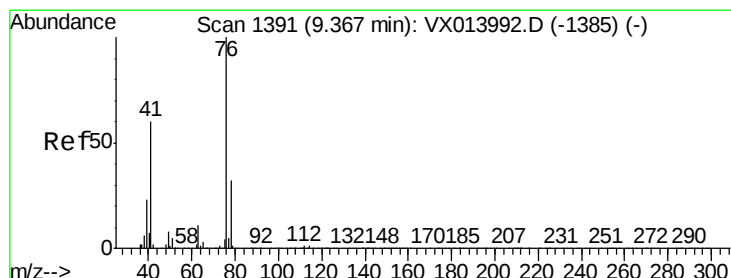
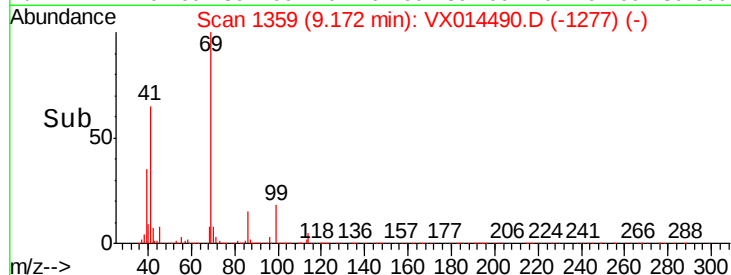
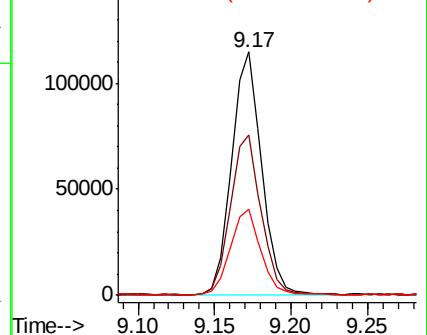
69 100

41 66.0 35.4 106.1

39 35.1 17.8 53.3



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



#52

1,3-Dichloropropane

Concen: 20.171 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014490.D

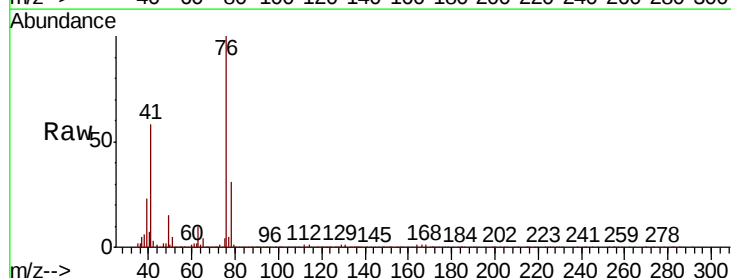
Acq: 09 Jan 2020 11:43

Tgt Ion: 76 Resp: 169375

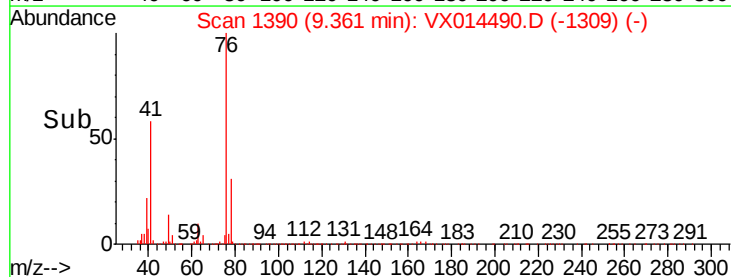
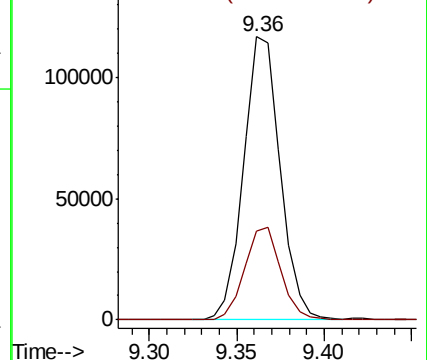
Ion Ratio Lower Upper

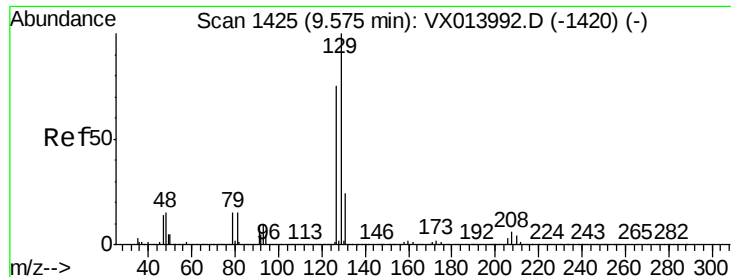
76 100

78 32.4 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.146 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

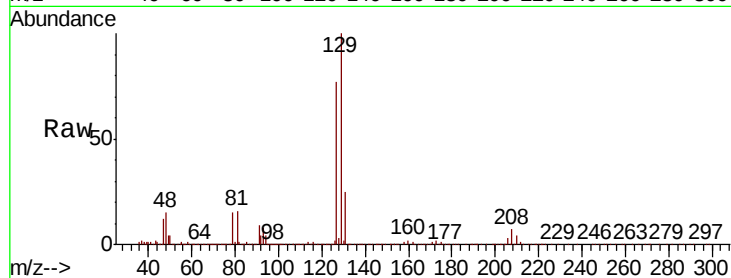
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 99561

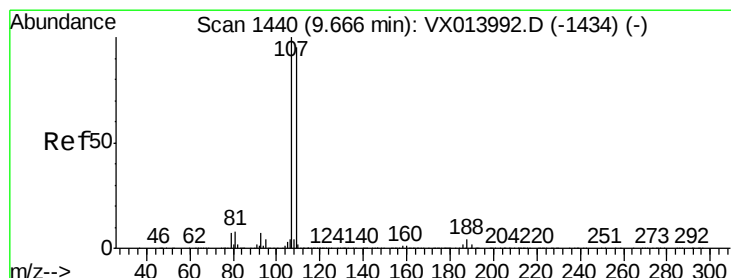
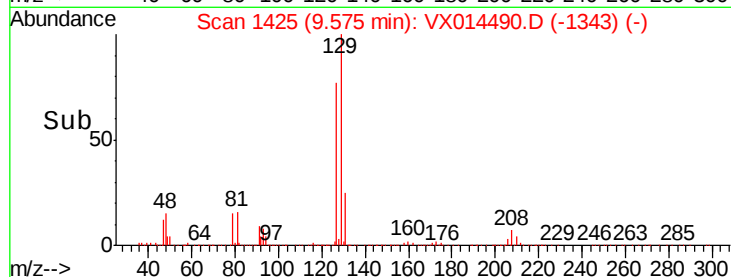
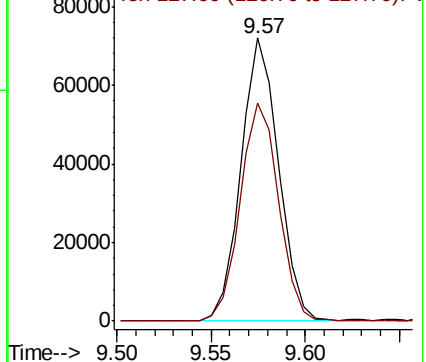
Ion Ratio Lower Upper

129 100

127 78.9 39.1 117.5



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



#54

1,2-Dibromoethane

Concen: 20.128 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014490.D

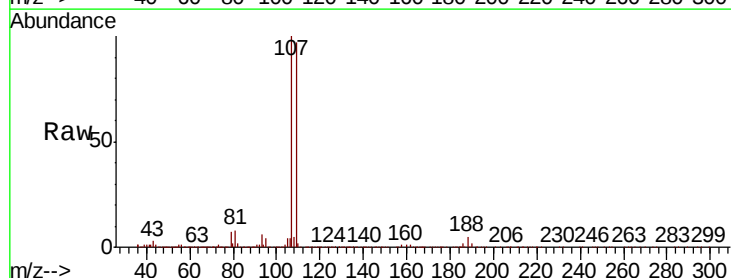
Acq: 09 Jan 2020 11:43

Tgt Ion:107 Resp: 102421

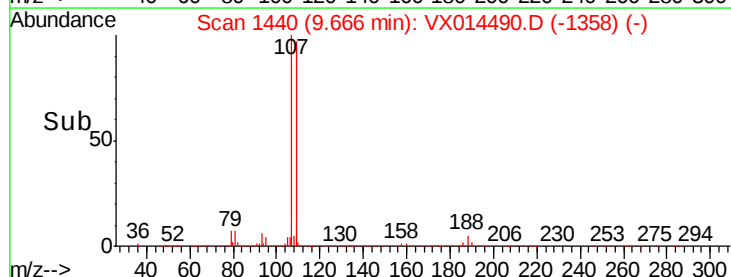
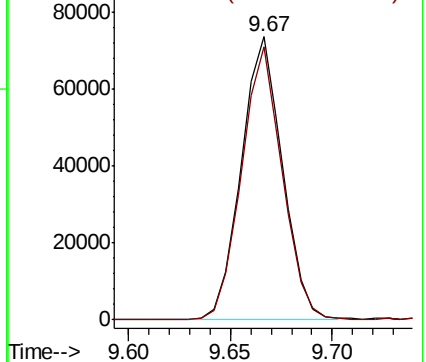
Ion Ratio Lower Upper

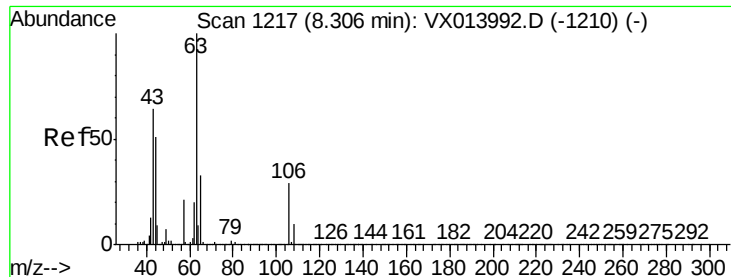
107 100

109 96.3 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

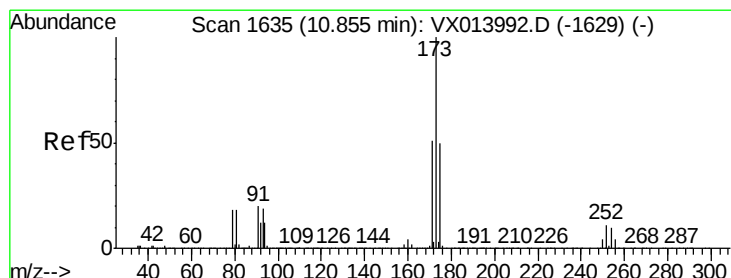
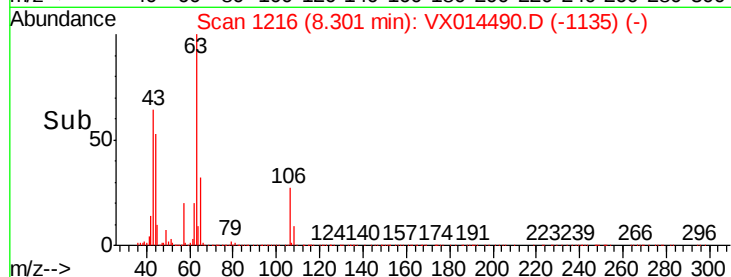
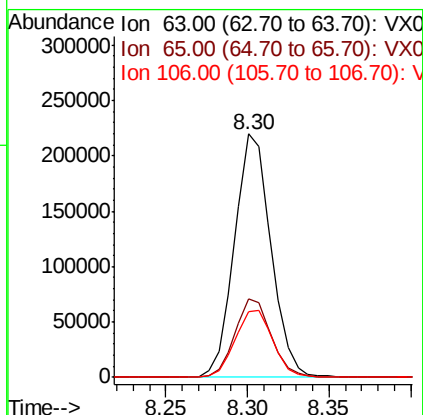
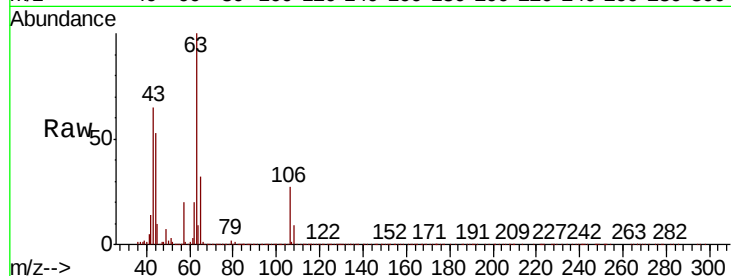




#55
2-Chloroethyl vinyl ether
Concen: 98.531 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

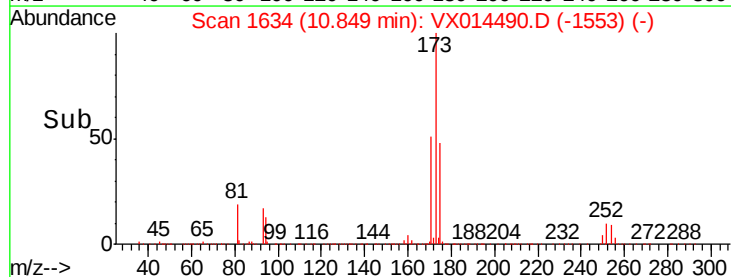
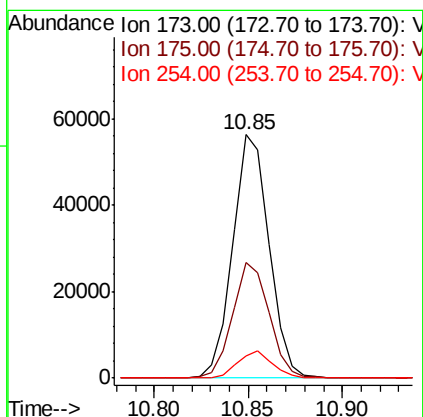
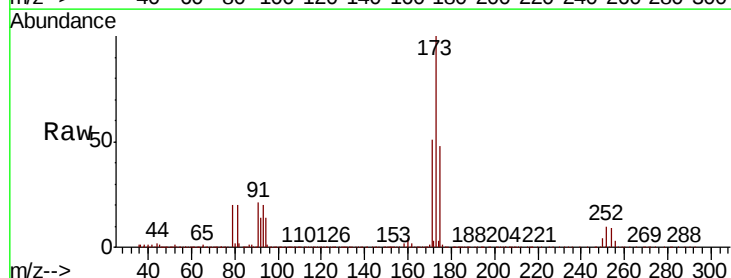
Instrument :
MSVOA_X
ClientSampleId :

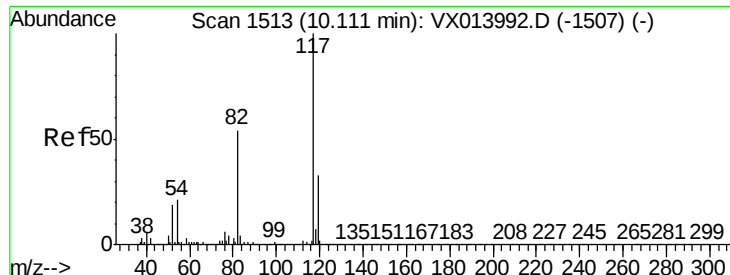
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	28.5	22.9	34.3



#56
Bromoform
Concen: 19.583 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.5	59.3
254	10.7	8.2	12.4

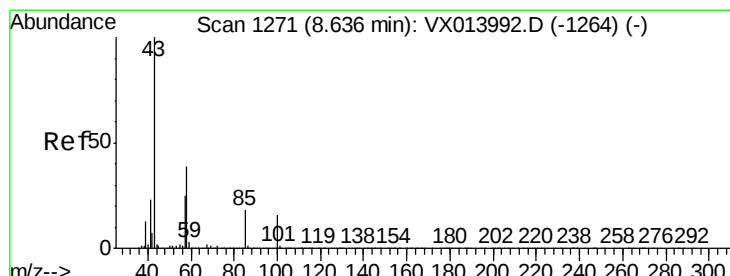
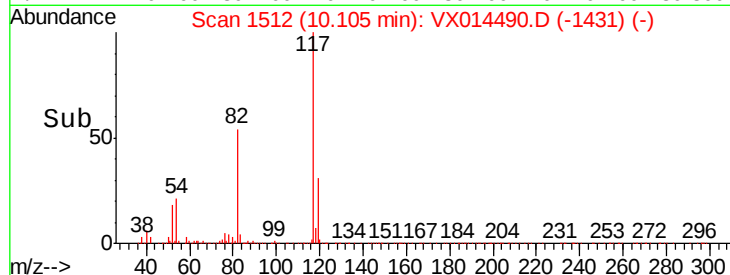
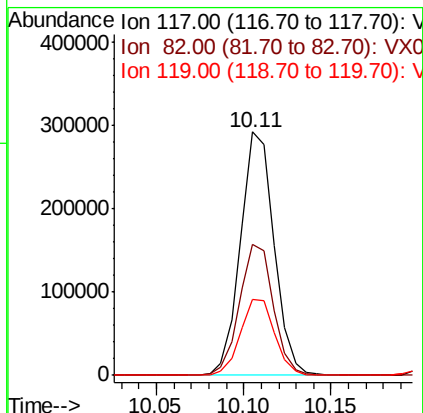
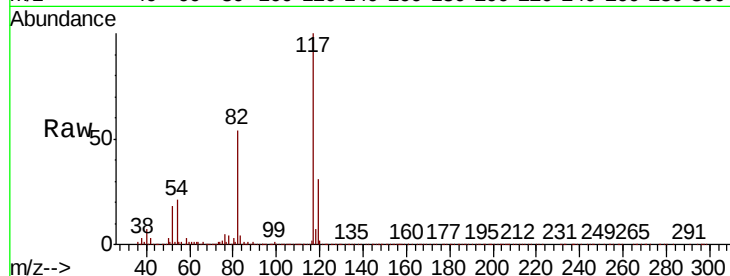




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

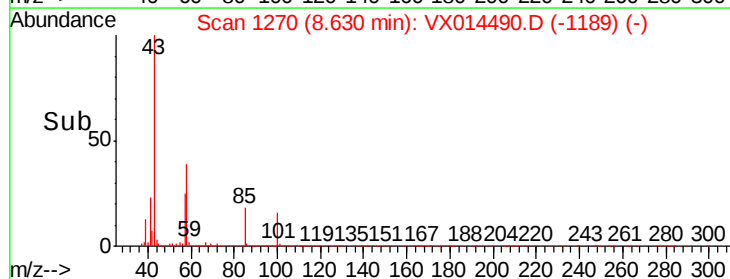
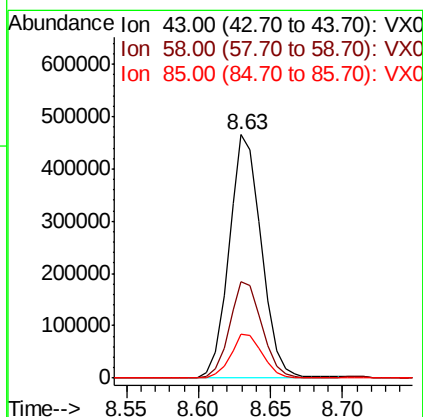
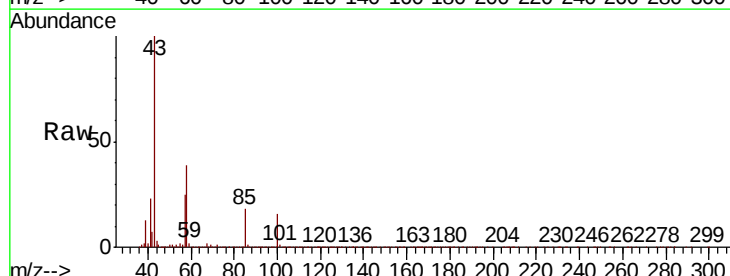
Instrument :
MSVOA_X
ClientSampleId :

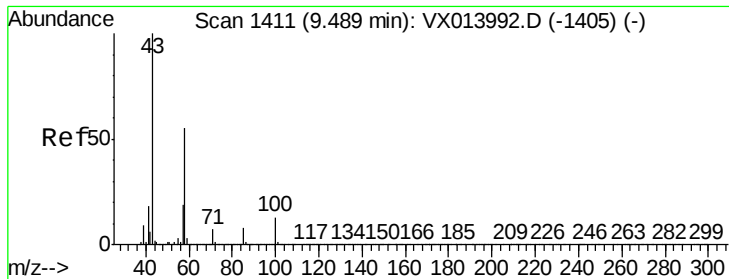
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.6
119	31.9	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 100.246 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.2	46.8
85	17.7	14.2	21.2

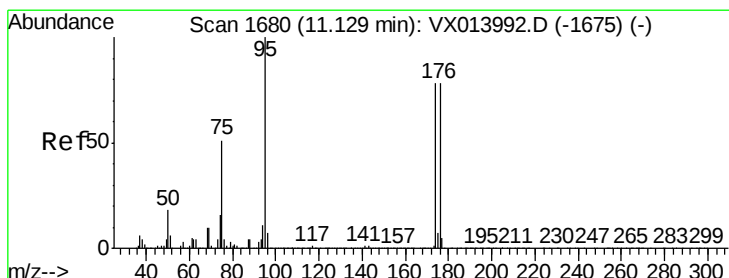
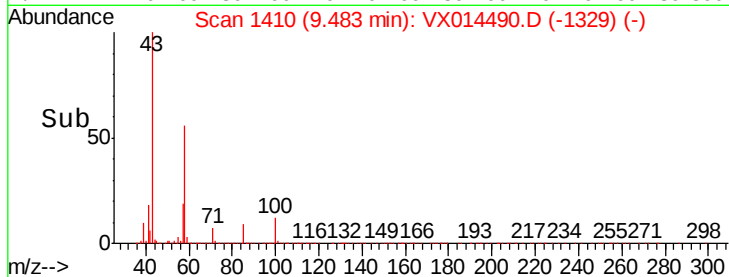
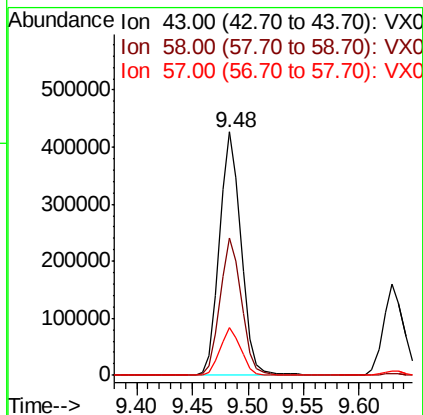
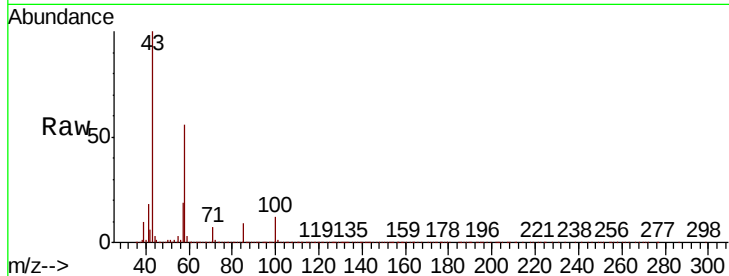




#59
2-Hexanone
Concen: 103.397 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

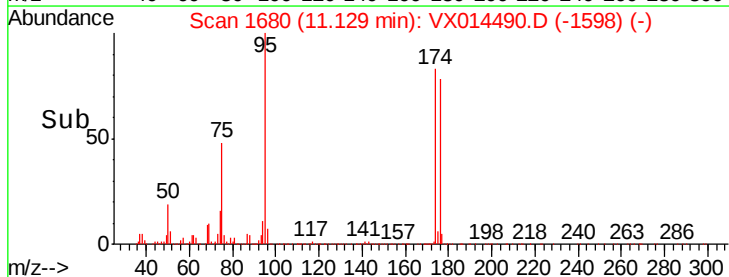
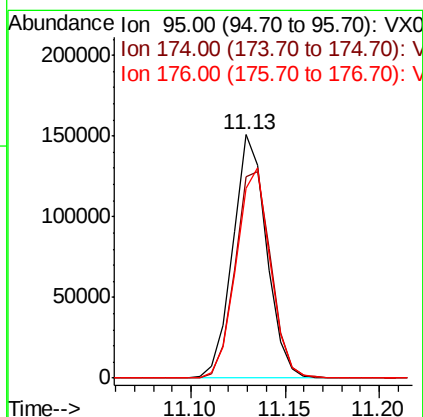
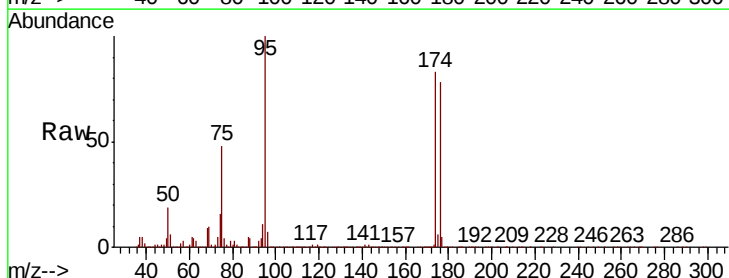
Instrument :
MSVOA_X
ClientSampled :

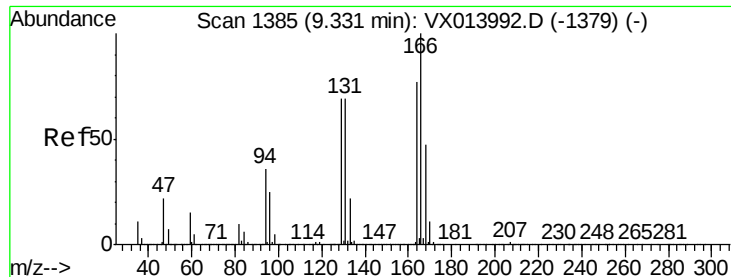
Tot Ion: 43 Resp: 572763
Ion Ratio Lower Upper
43 100
58 55.7 43.8 65.6
57 18.8 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 29.661 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion: 95 Resp: 186852
Ion Ratio Lower Upper
95 100
174 90.1 70.2 105.2
176 88.1 68.3 102.5





#61

Tetrachloroethene

Concen: 23.977 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 123742

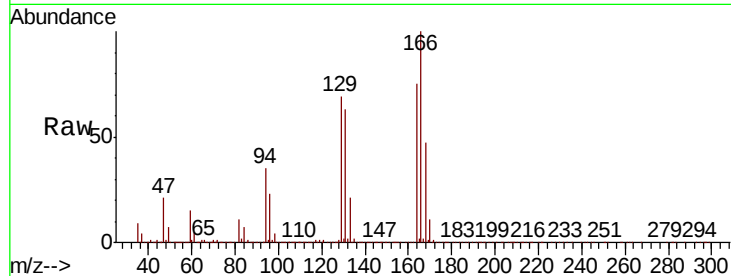
Ion Ratio Lower Upper

164 100

166 132.8 104.2 156.2

129 91.7 71.6 107.4

131 83.7 71.7 107.5

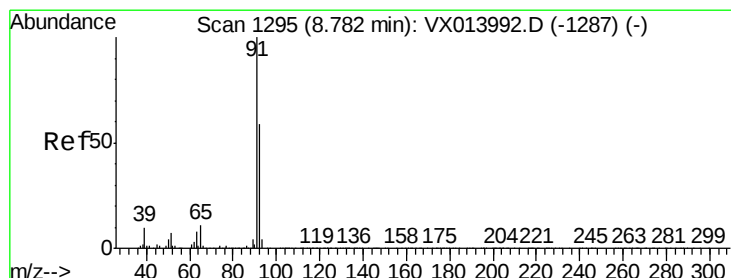
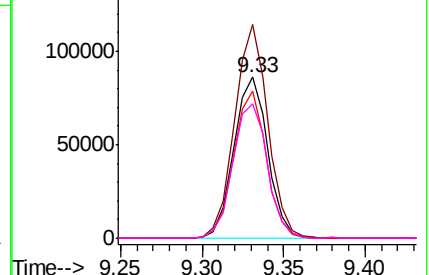
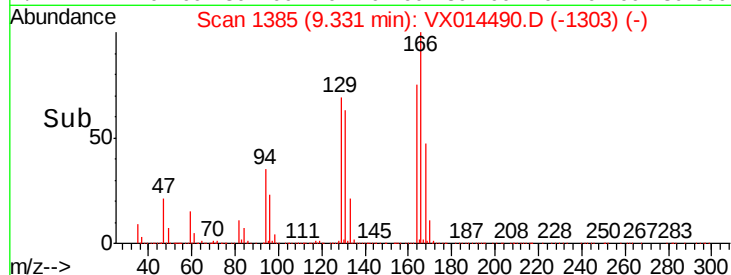


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.835 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014490.D

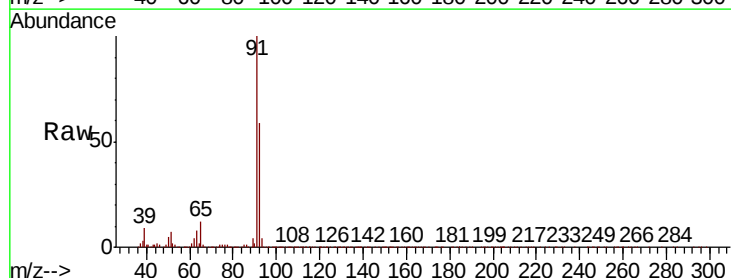
Acq: 09 Jan 2020 11:43

Tgt Ion: 91 Resp: 411560

Ion Ratio Lower Upper

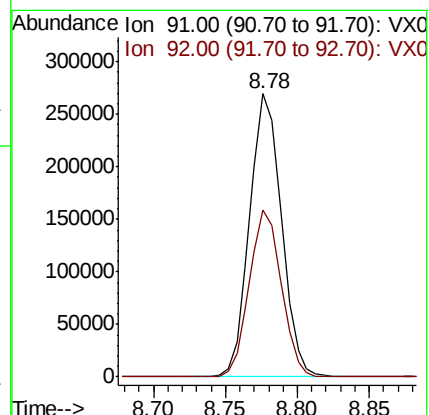
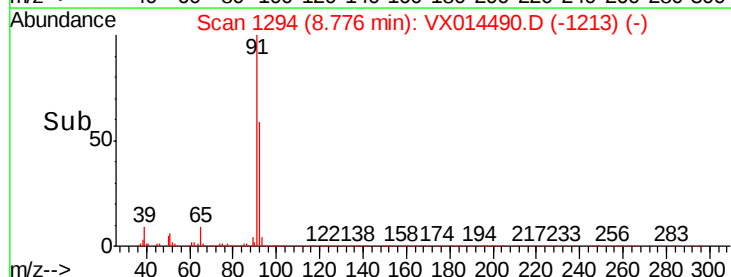
91 100

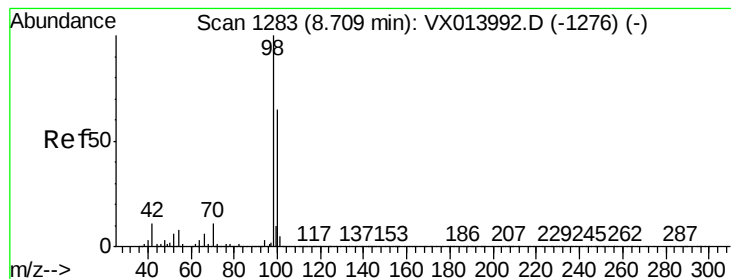
92 59.1 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.126 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

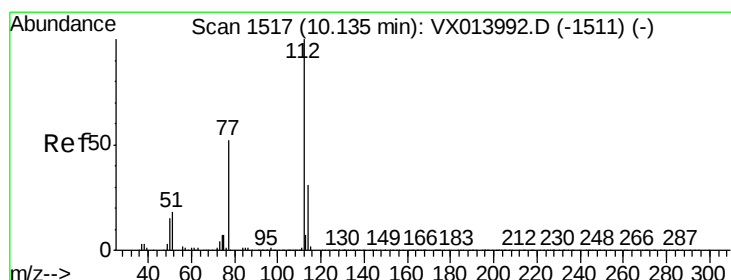
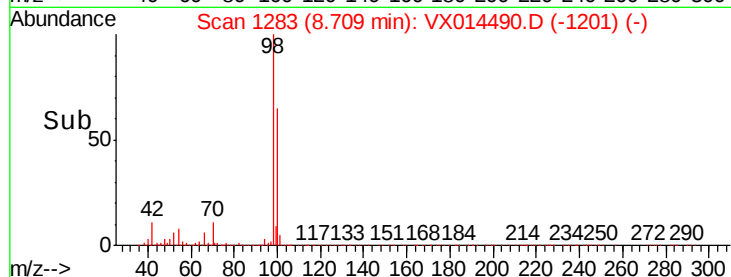
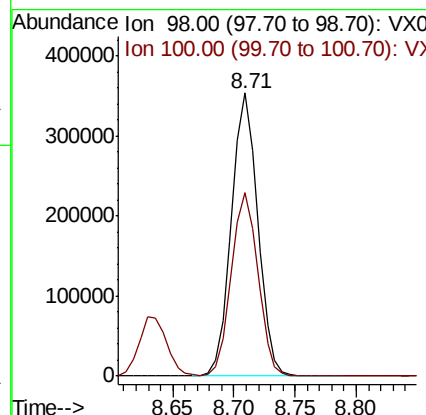
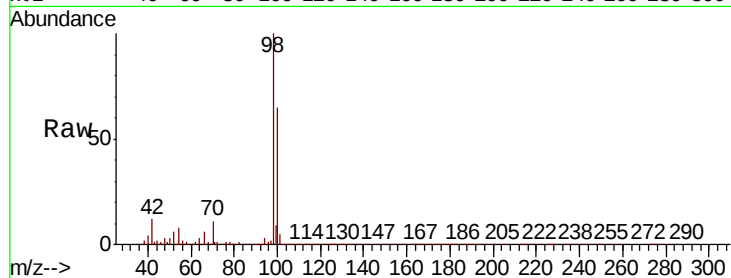
ClientSampleId :

Tot Ion: 98 Resp: 525339

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#64

Chlorobenzene

Concen: 19.762 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014490.D

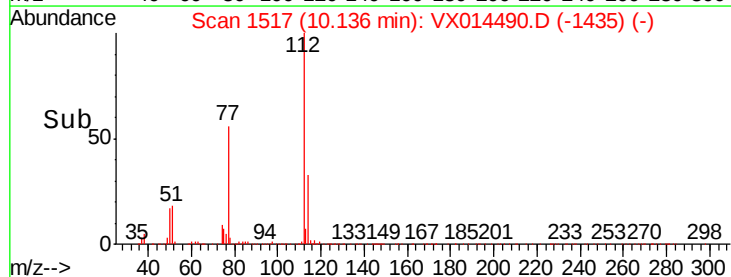
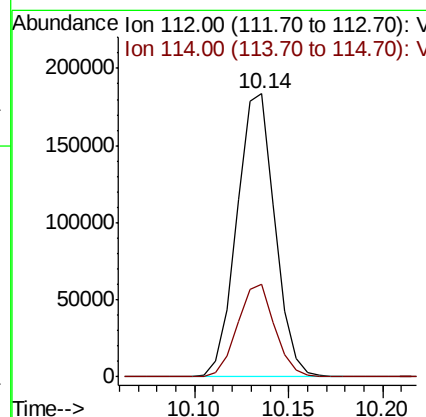
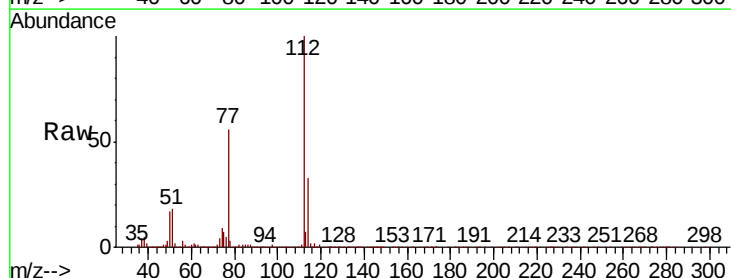
Acq: 09 Jan 2020 11:43

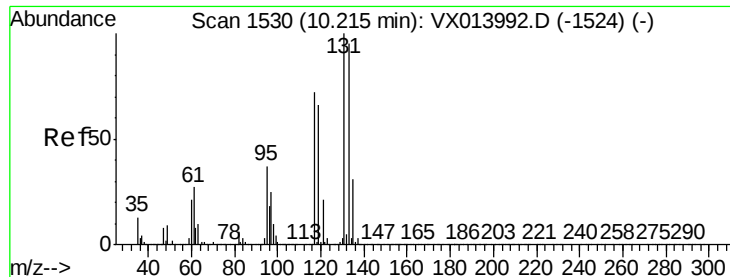
Tgt Ion: 112 Resp: 256889

Ion Ratio Lower Upper

112 100

114 32.6 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.560 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

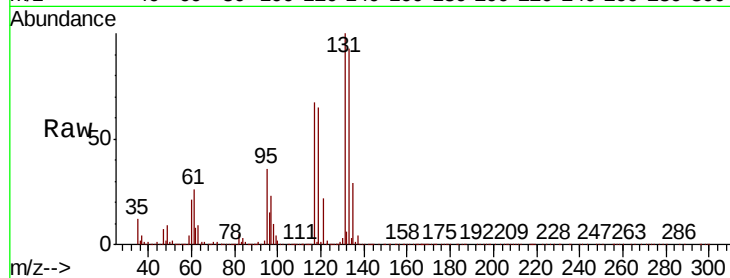
Tot Ion:131 Resp: 94149

Ion Ratio Lower Upper

131 100

133 97.0 0.0 189.8

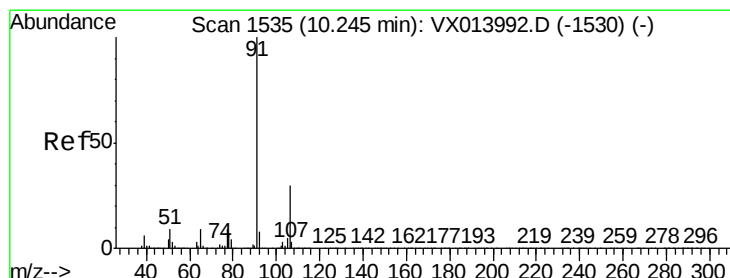
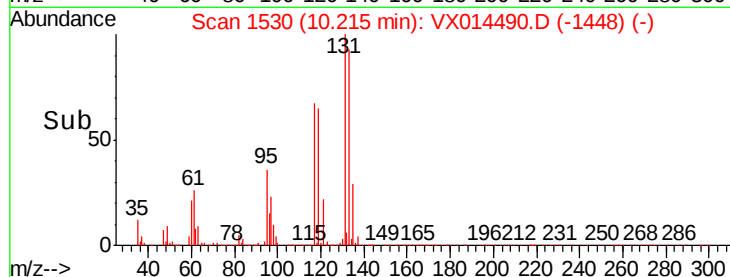
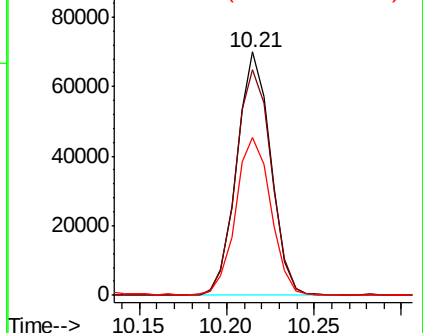
119 67.1 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.139 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014490.D

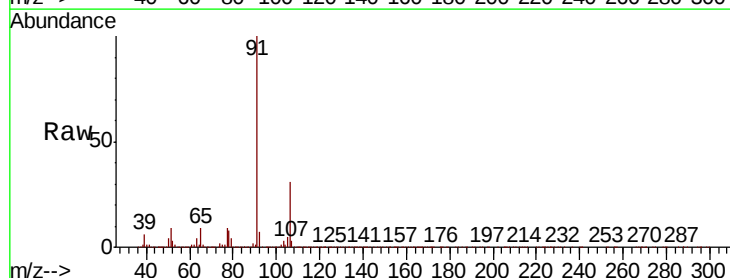
Acq: 09 Jan 2020 11:43

Tgt Ion: 91 Resp: 457286

Ion Ratio Lower Upper

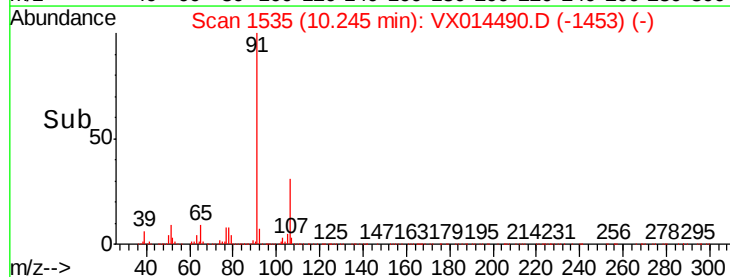
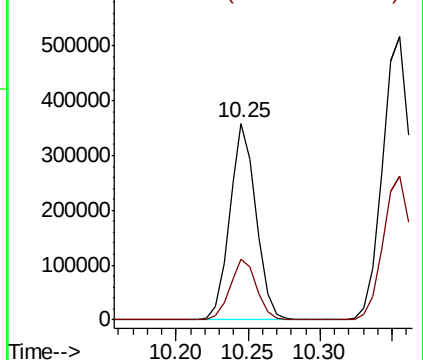
91 100

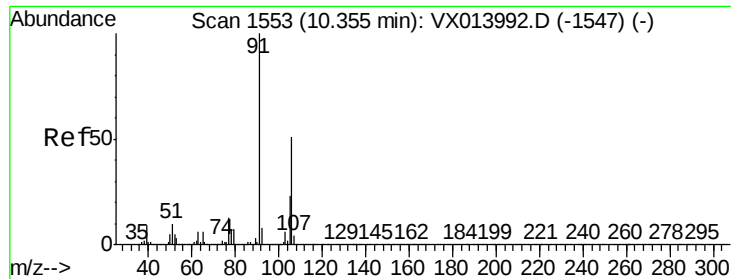
106 30.8 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

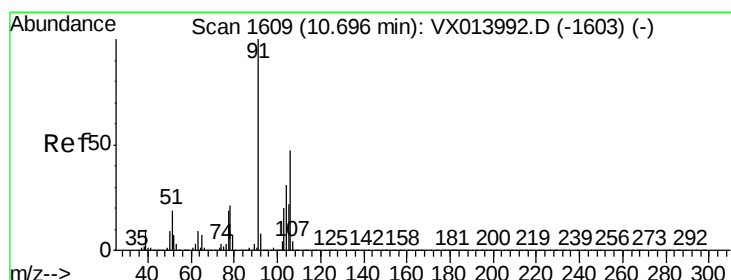
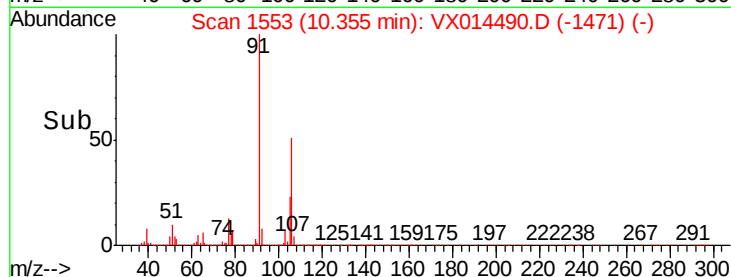
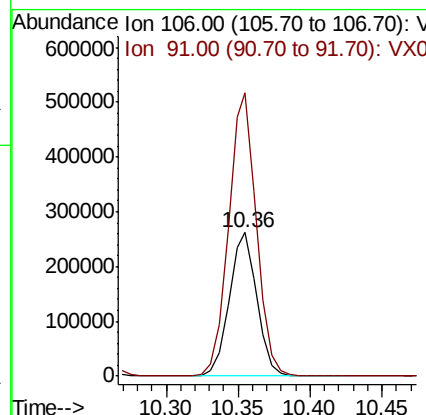
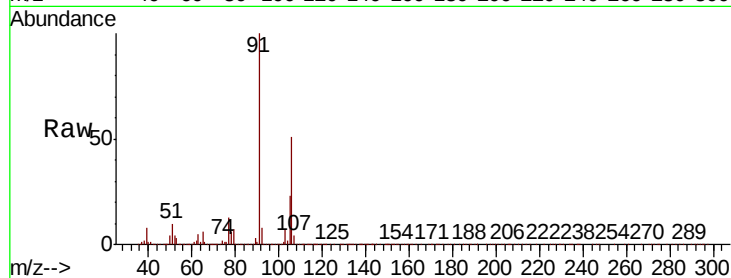




#67
m/p-Xylenes
Concen: 40.624 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

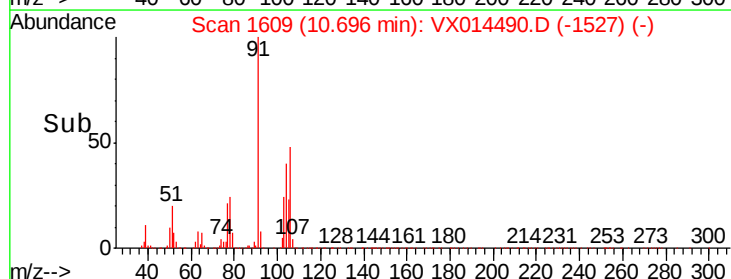
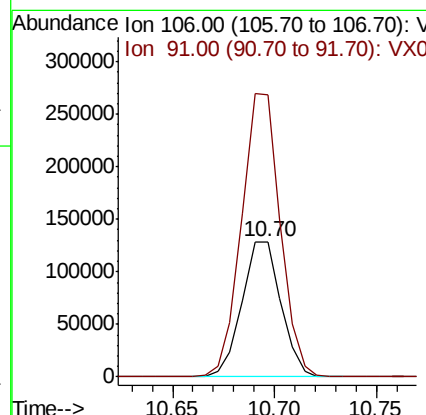
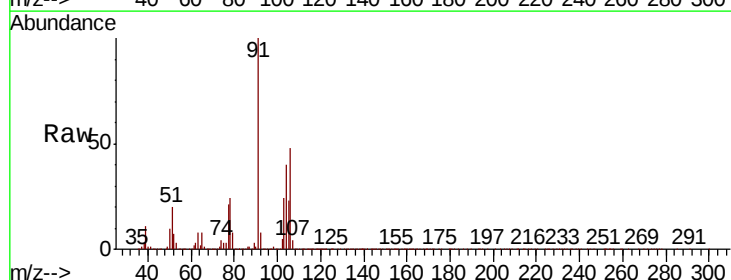
Instrument :
MSVOA_X
ClientSampleId :

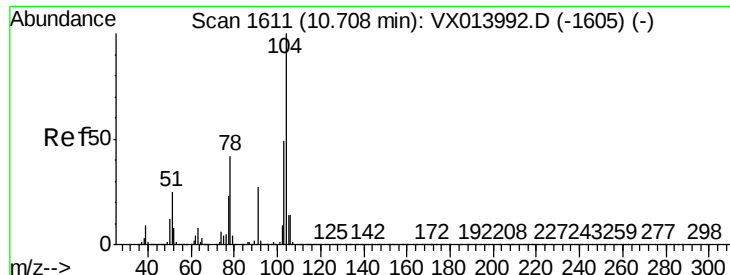
Tot Ion:106 Resp: 352625
Ion Ratio Lower Upper
106 100
91 196.5 159.3 238.9



#68
o-Xylene
Concen: 19.903 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion:106 Resp: 171145
Ion Ratio Lower Upper
106 100
91 206.6 104.8 314.6

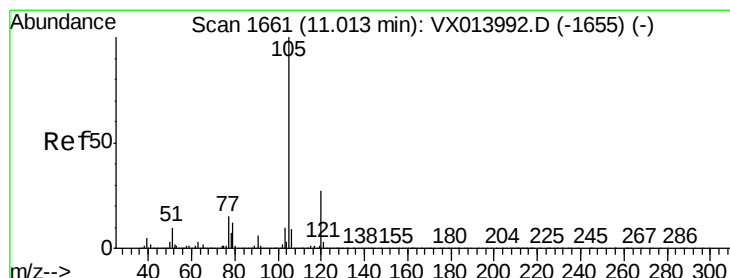
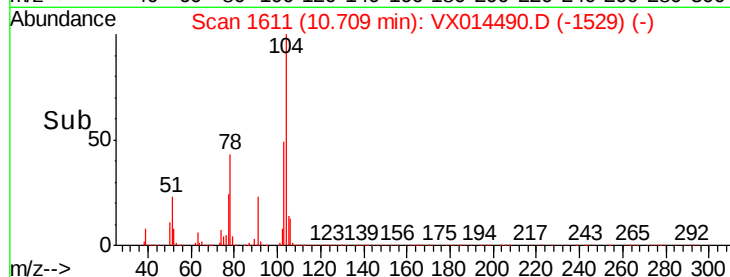
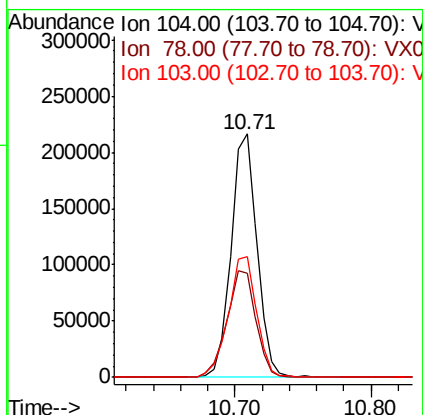
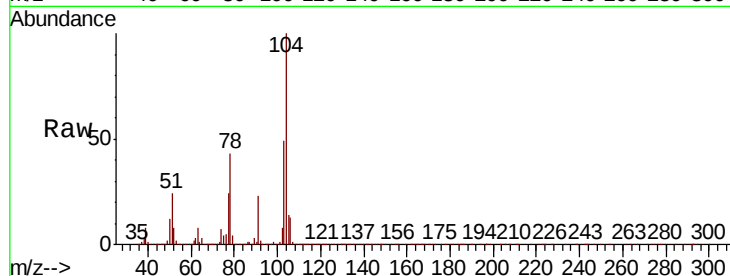




#69
Stvrene
Concen: 19.552 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

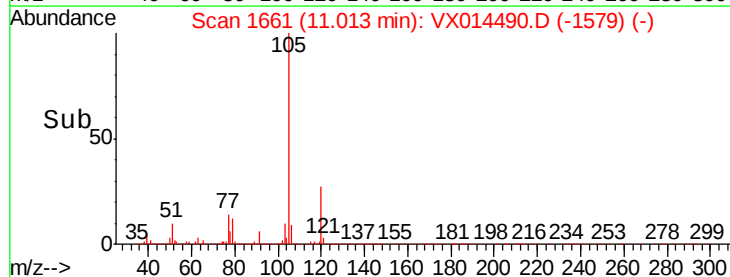
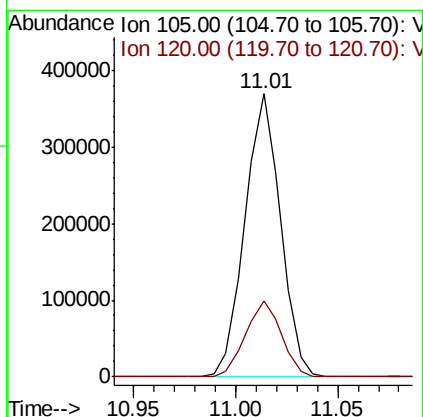
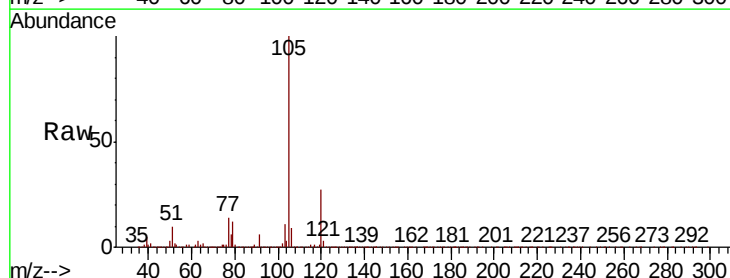
Instrument :
MSVOA_X
ClientSampleId :

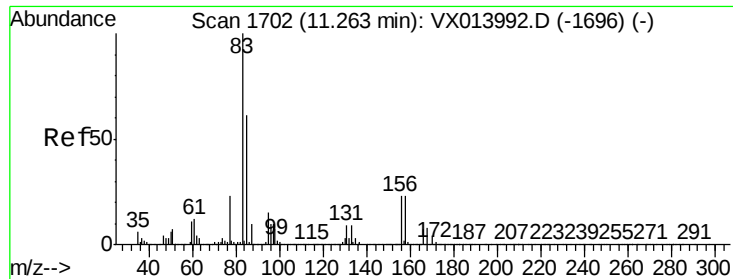
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.9	58.3
103	54.1	44.2	66.2



#70
Isopropylbenzene
Concen: 20.170 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014490.D
Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.1	35.5

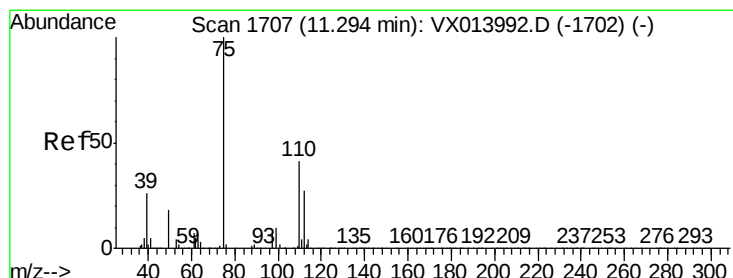
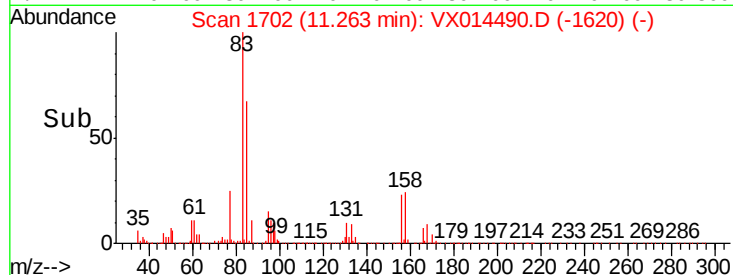
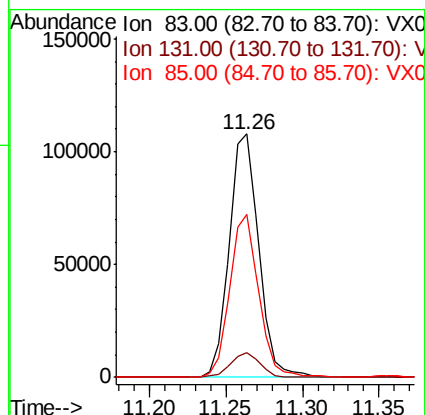
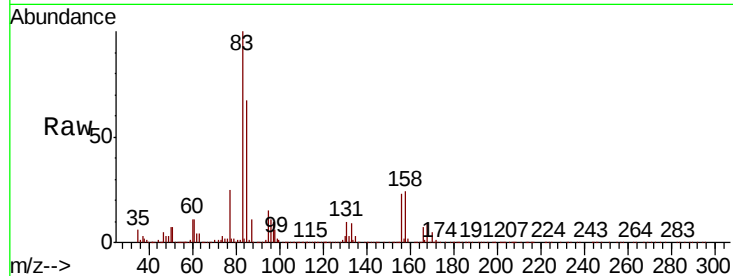




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.155 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

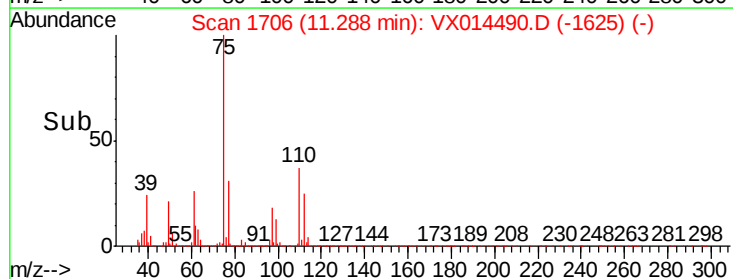
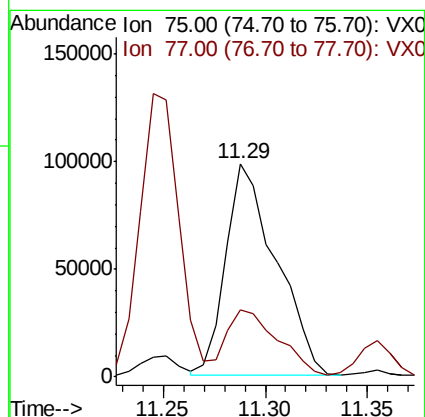
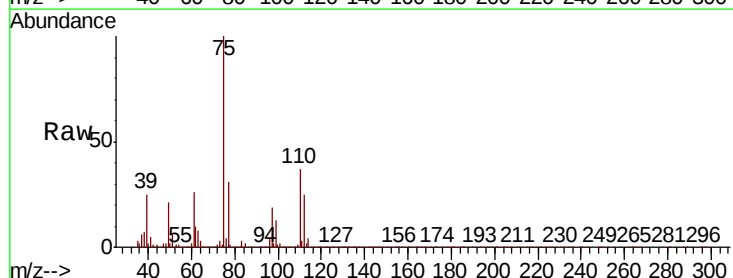
Instrument :
 MSVOA_X
 ClientSampleId :

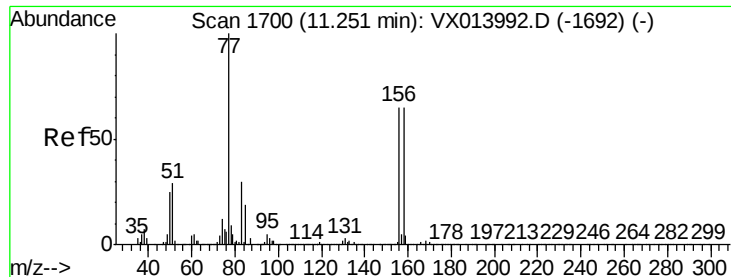
Tot Ion	83	Resp	143071
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	66.0	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 23.833 ug/l
 RT: 11.29 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

Tgt Ion	75	Resp	167176
Ion Ratio	100	Lower	Upper
75	100		
77	33.5	0.0	68.4





#73

Bromobenzene

Concen: 19.964 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

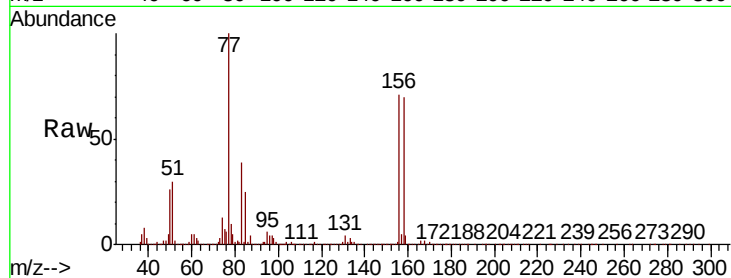
Tot Ion:156 Resp: 118426

Ion Ratio Lower Upper

156 100

77 147.4 0.0 304.6

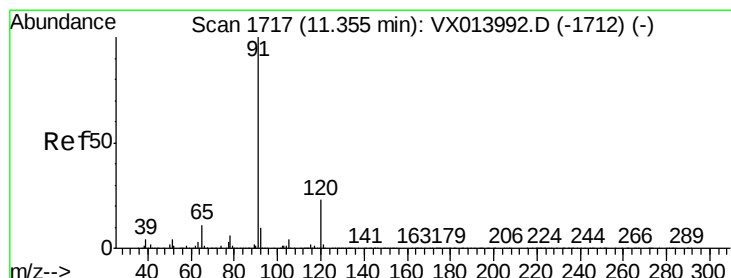
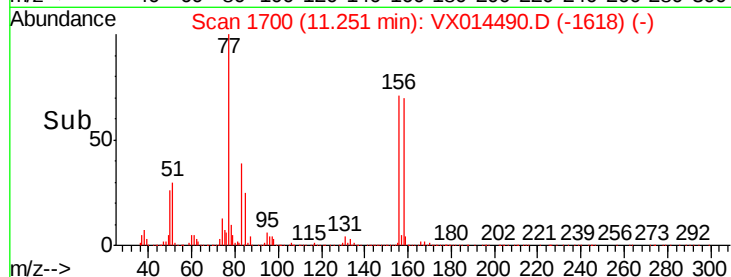
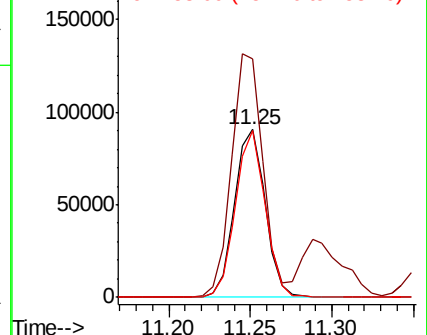
158 95.9 0.0 195.2



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: 20.366 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014490.D

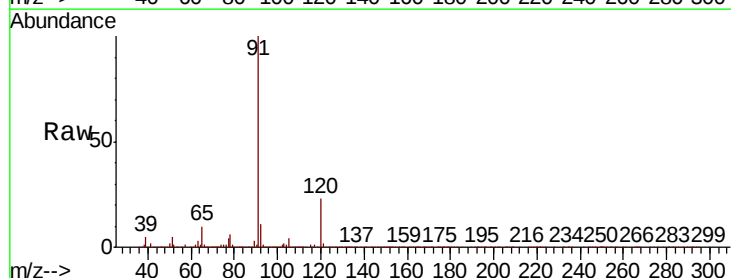
Acq: 09 Jan 2020 11:43

Tgt Ion: 91 Resp: 513313

Ion Ratio Lower Upper

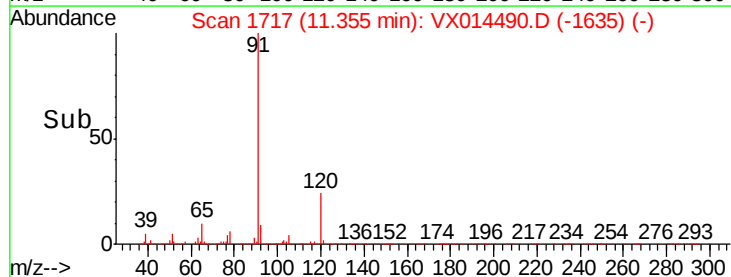
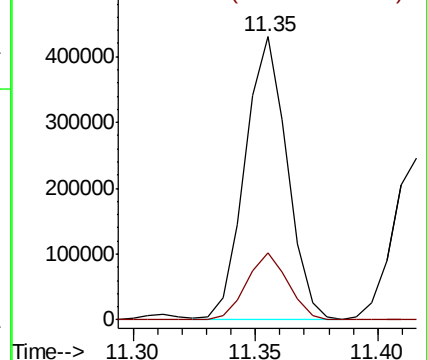
91 100

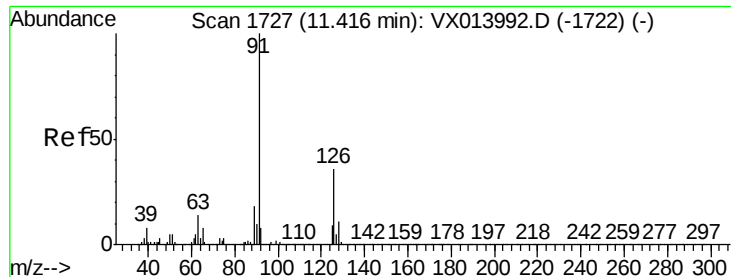
120 23.1 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.083 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

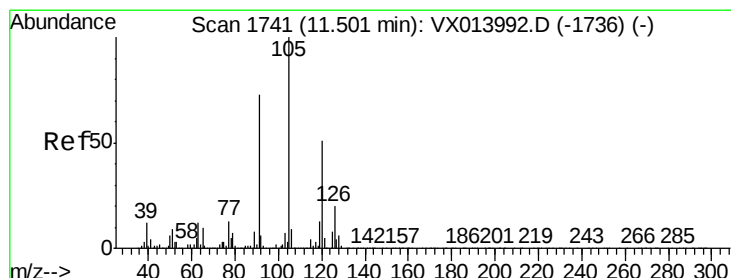
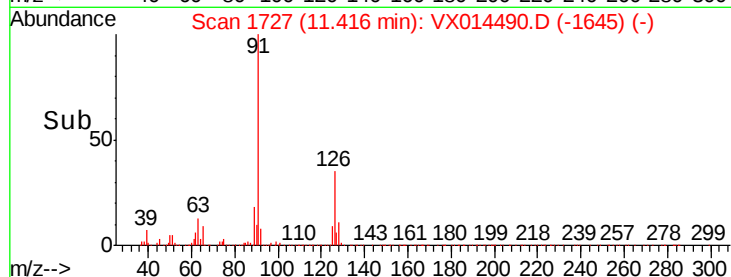
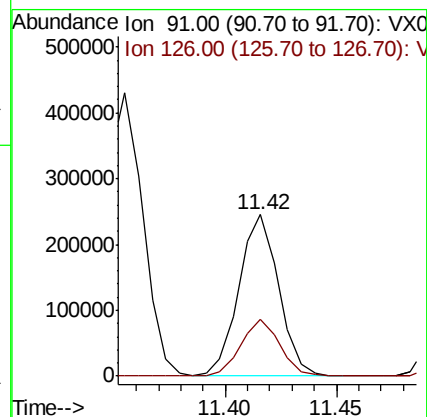
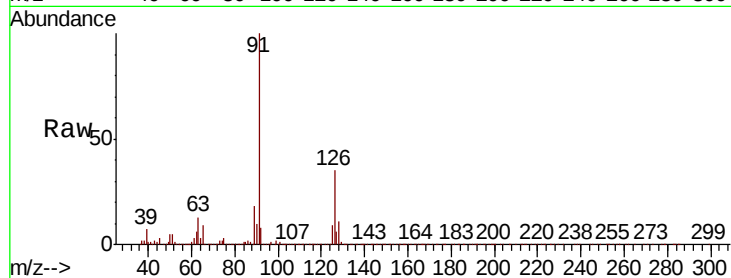
ClientSampleId :

Tot Ion: 91 Resp: 305847

Ion Ratio Lower Upper

91 100

126 34.2 0.0 70.8



#76

1,3,5-Trimethylbenzene

Concen: 19.945 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014490.D

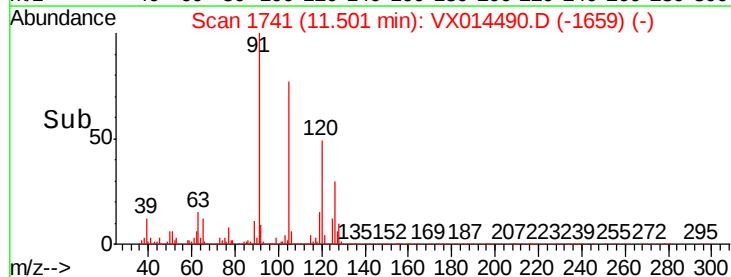
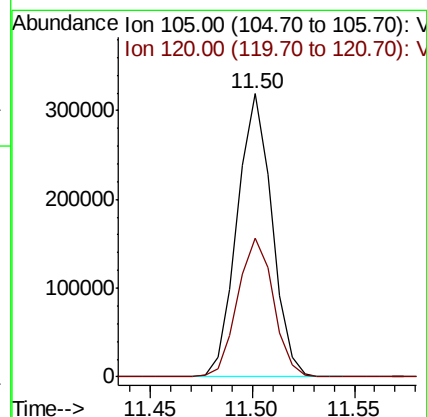
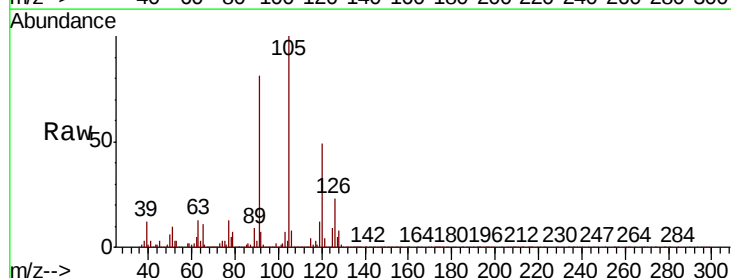
Acq: 09 Jan 2020 11:43

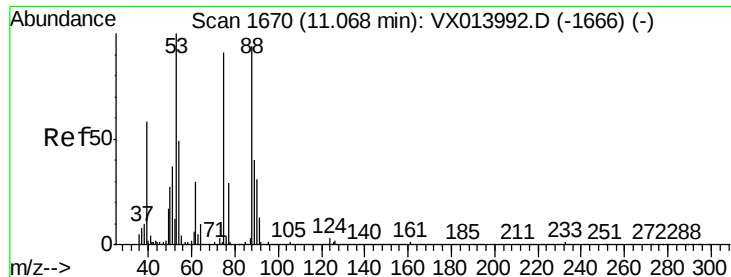
Tgt Ion: 105 Resp: 375965

Ion Ratio Lower Upper

105 100

120 50.4 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.236 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

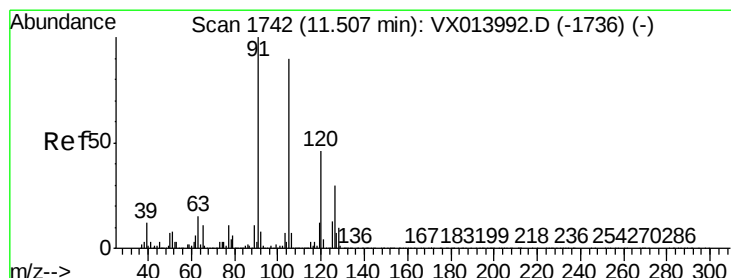
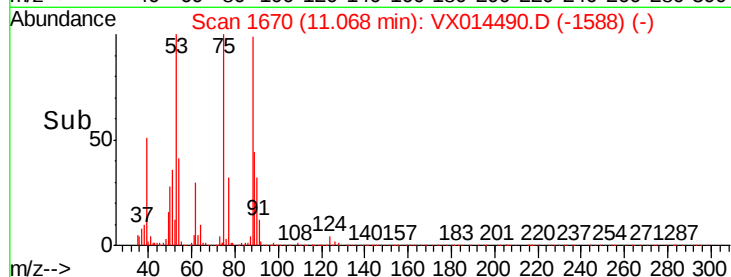
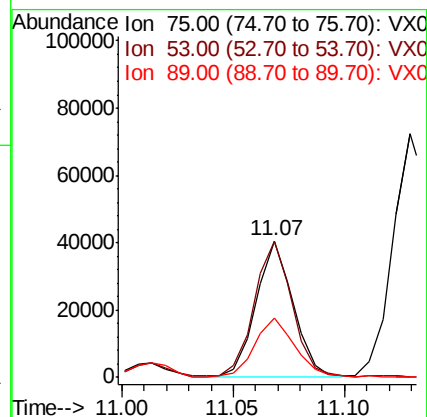
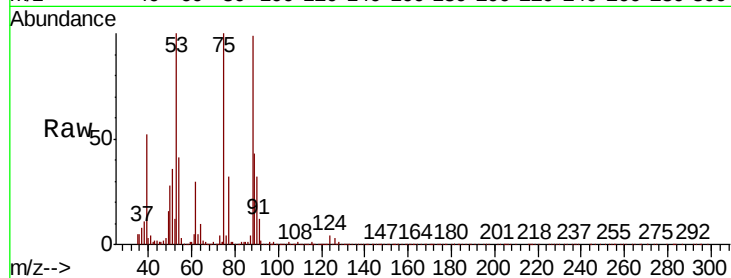
Tot Ion: 75 Resp: 46873

Ion Ratio Lower Upper

75 100

53 99.6 54.4 163.1

89 42.7 21.9 65.5



#78

4-Chlorotoluene

Concen: 19.877 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014490.D

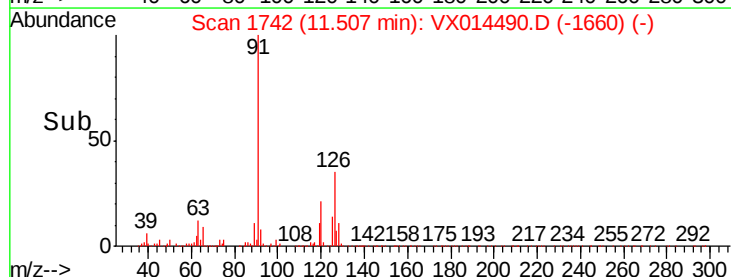
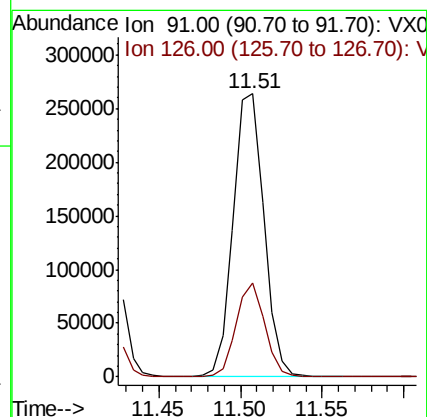
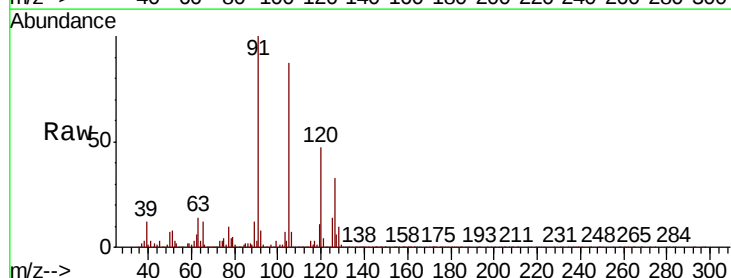
Acq: 09 Jan 2020 11:43

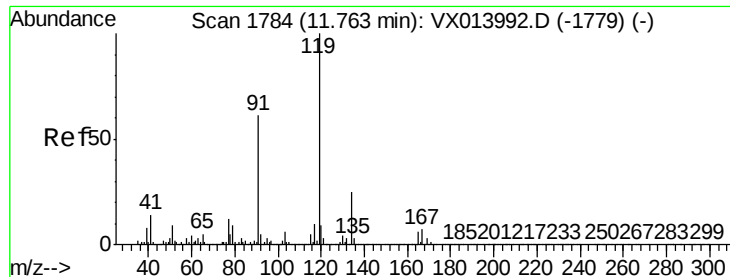
Tgt Ion: 91 Resp: 345897

Ion Ratio Lower Upper

91 100

126 30.8 0.0 59.6





#79

tert-butylbenzene

Concen: 19.087 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

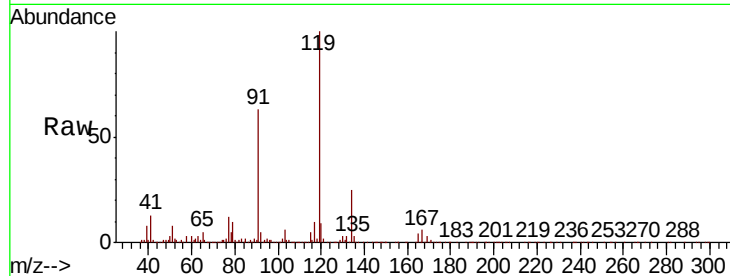
Tot Ion:119 Resp: 346811

Ion Ratio Lower Upper

119 100

91 59.9 0.0 112.6

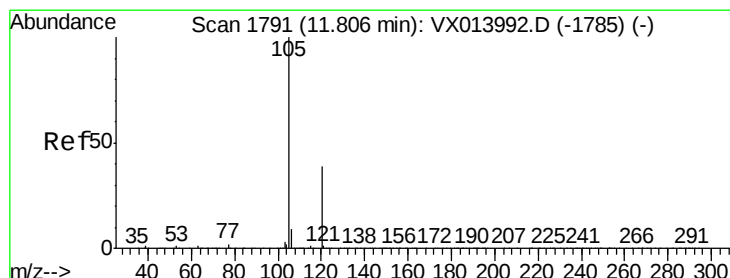
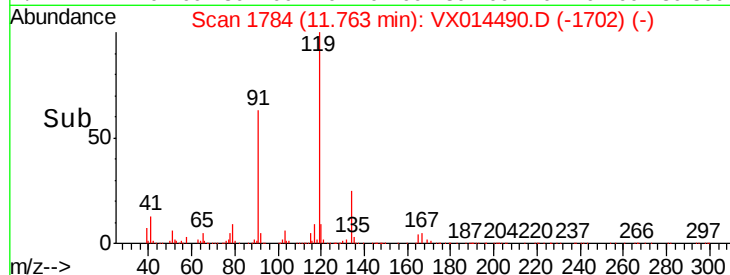
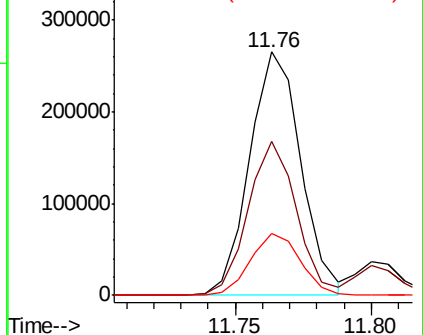
134 24.9 0.0 49.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.798 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014490.D

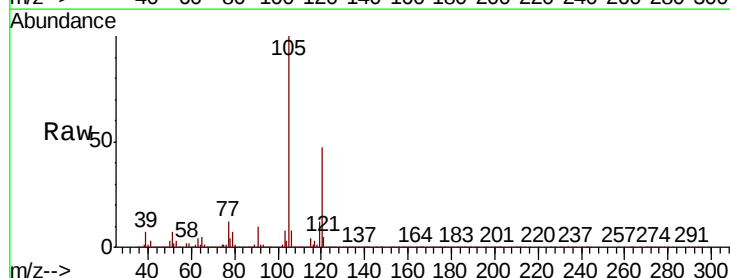
Acq: 09 Jan 2020 11:43

Tgt Ion:105 Resp: 373174

Ion Ratio Lower Upper

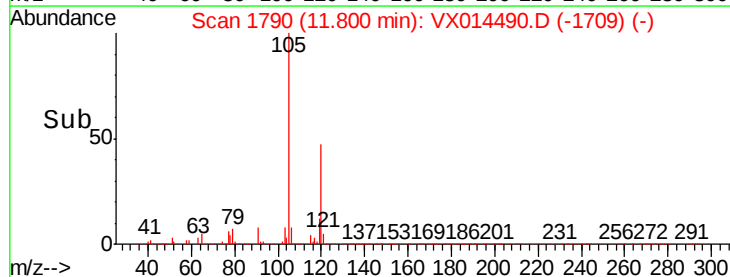
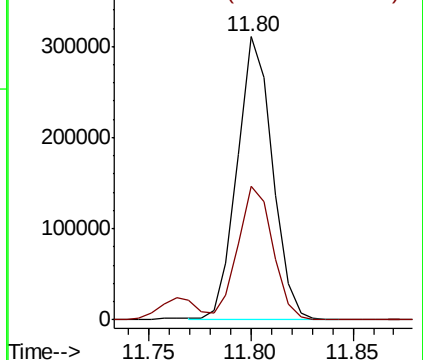
105 100

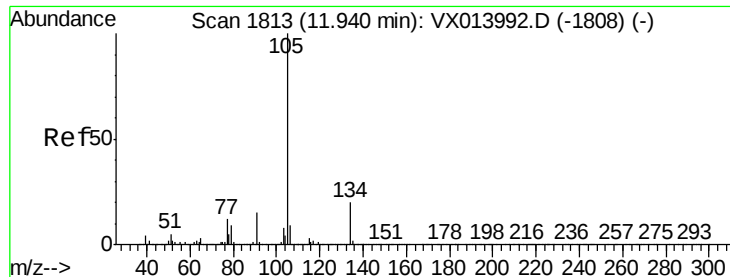
120 46.6 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.964 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

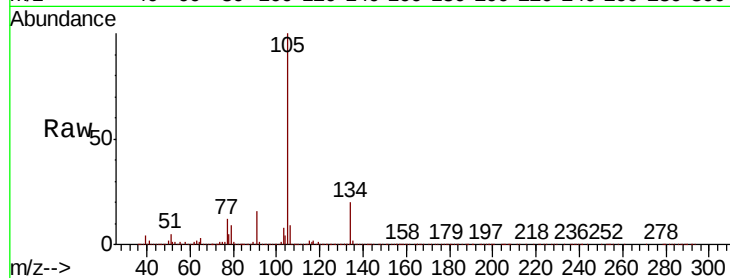
ClientSampleId :

Tot Ion:105 Resp: 431458

Ion Ratio Lower Upper

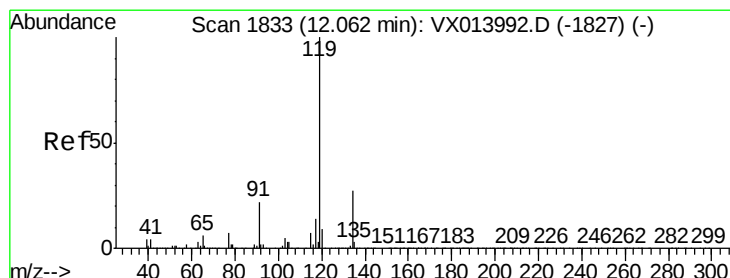
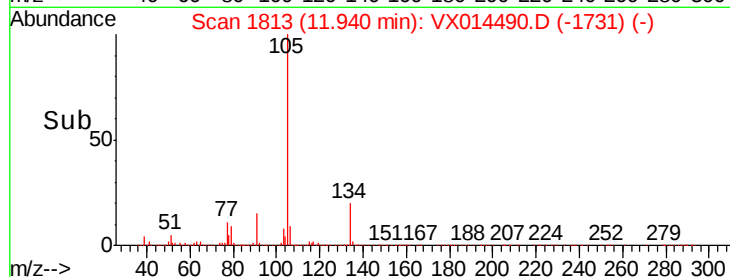
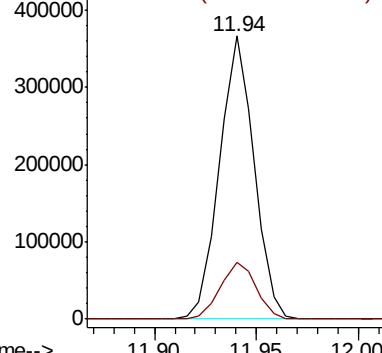
105 100

134 20.9 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: 20.321 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

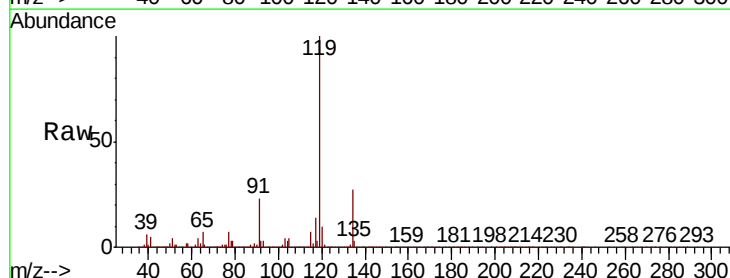
Tgt Ion:119 Resp: 396315

Ion Ratio Lower Upper

119 100

134 27.1 0.0 53.8

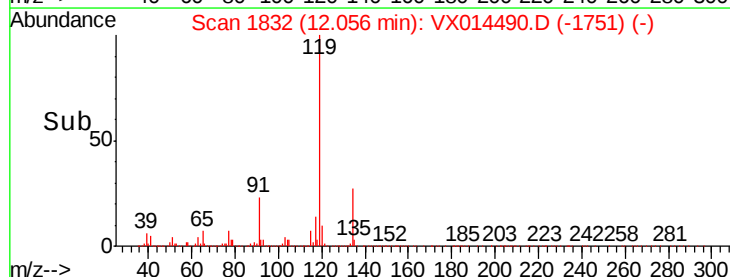
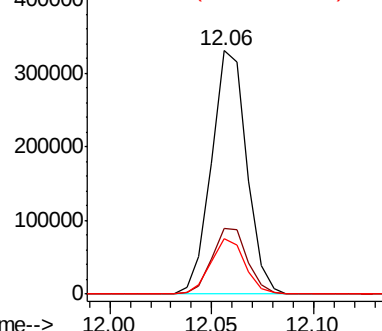
91 22.1 0.0 45.0

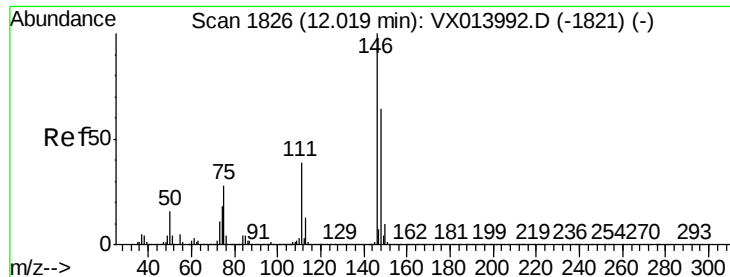


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

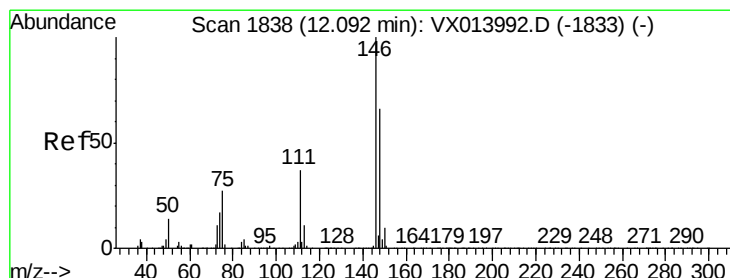
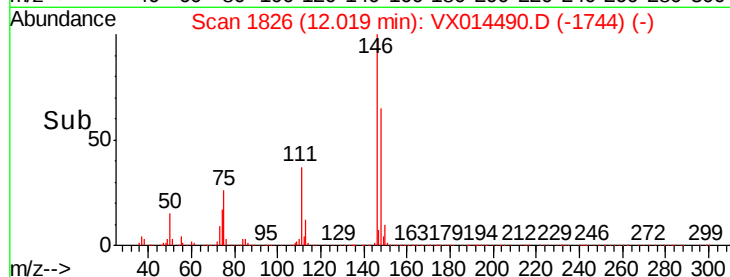
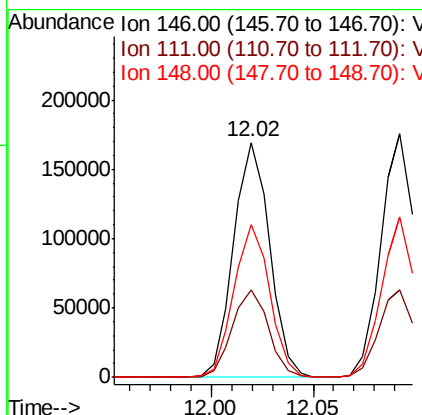
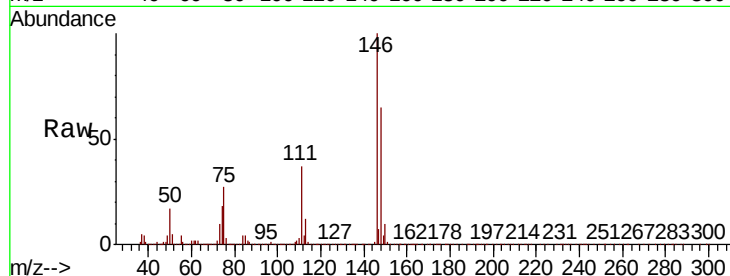




#83
 1,3-Dichlorobenzene
 Concen: 20.098 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

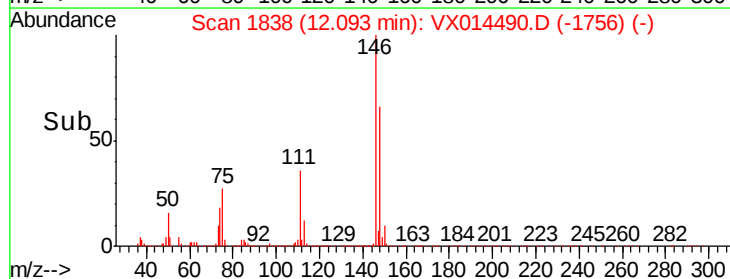
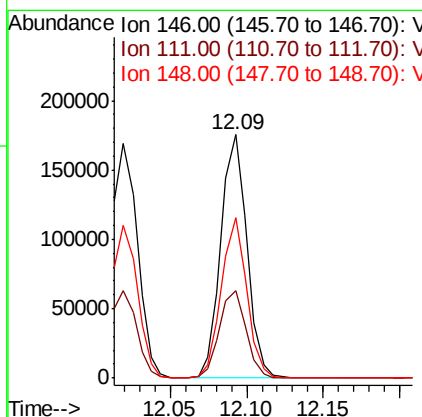
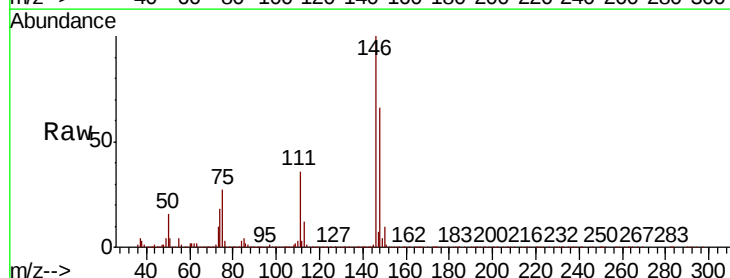
Instrument :
 MSVOA_X
 ClientSampled :

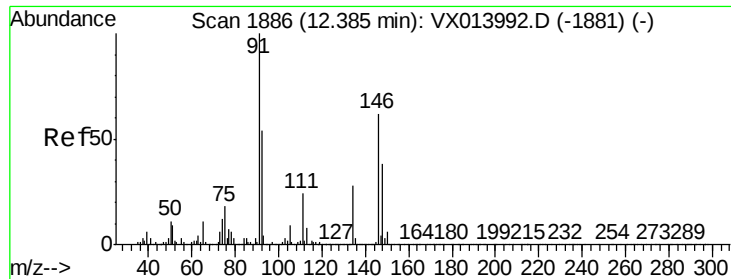
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.3	57.9
148	64.4	32.2	96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014490.D
 Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.4
148	63.9	32.0	96.0





#85

n-Butylbenzene

Concen: 20.725 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

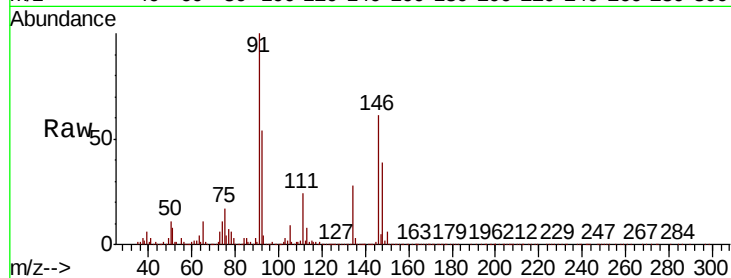
Tot Ion: 91 Resp: 339847

Ion Ratio Lower Upper

91 100

92 54.5 0.0 109.0

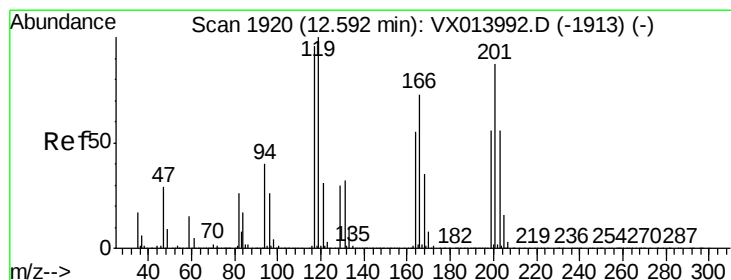
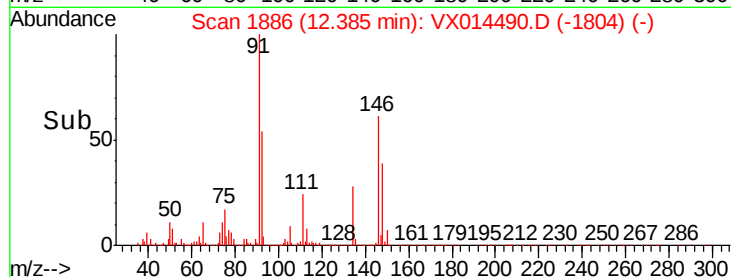
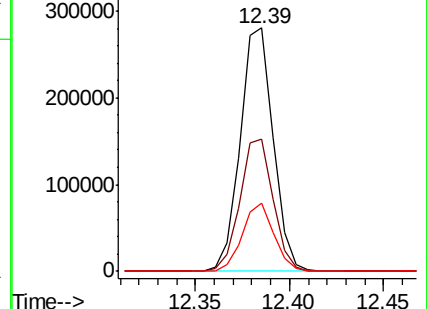
134 26.7 0.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 18.878 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014490.D

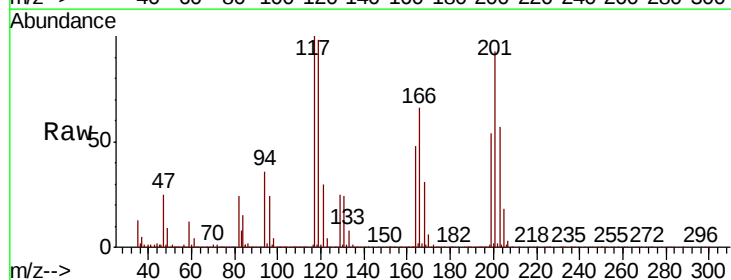
Acq: 09 Jan 2020 11:43

Tgt Ion: 117 Resp: 66790

Ion Ratio Lower Upper

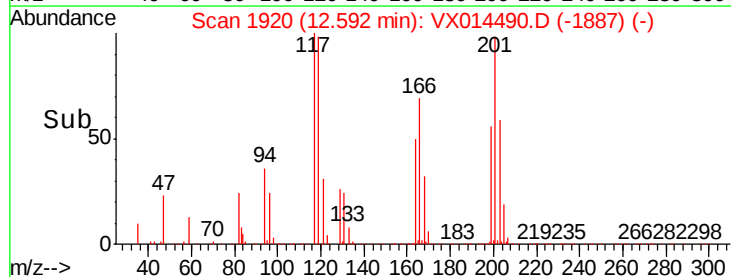
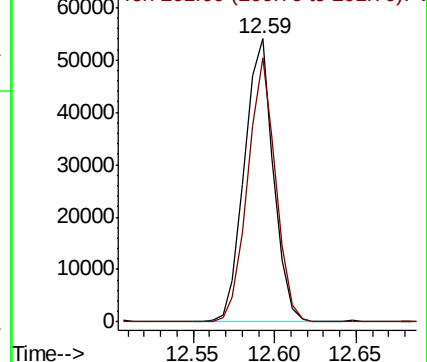
117 100

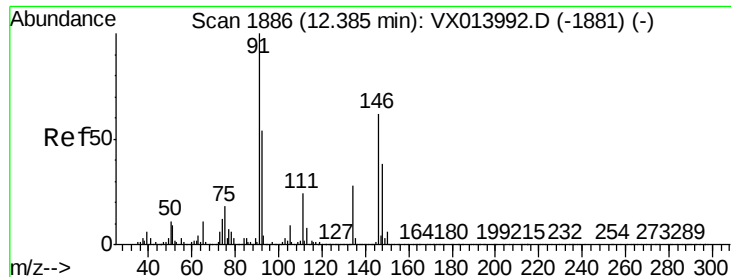
201 90.3 44.8 134.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#87

1,2-Dichlorobenzene

Concen: 20.086 ug/l

RT: 12.39 min Scan# 1886

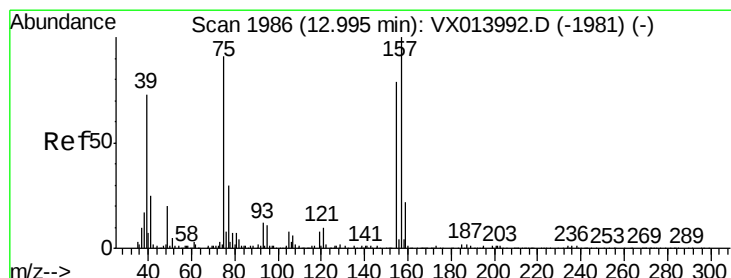
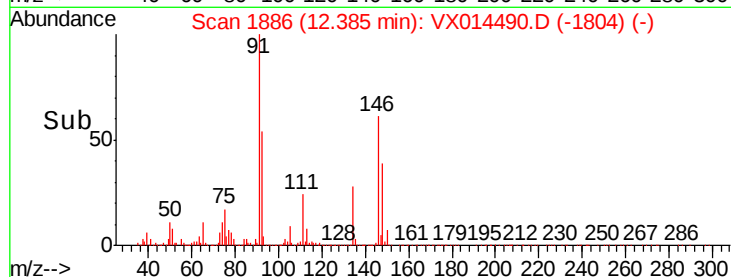
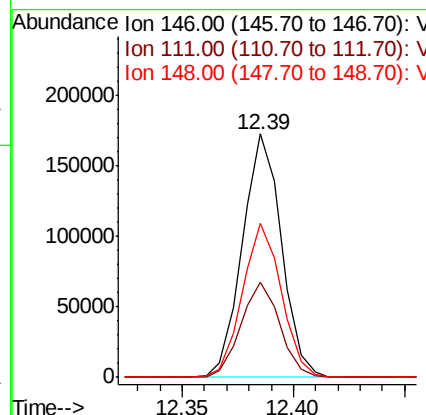
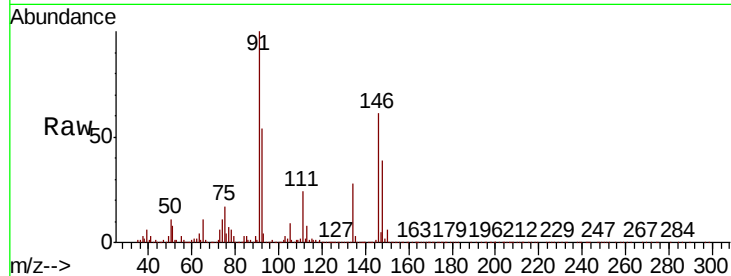
Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.1	60.2
148	62.9	32.0	96.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.141 ug/l

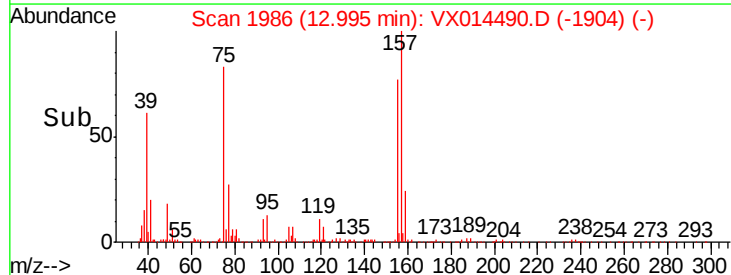
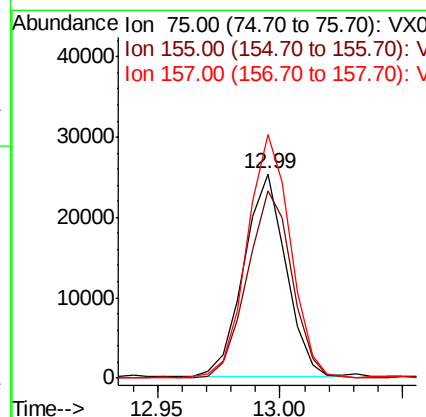
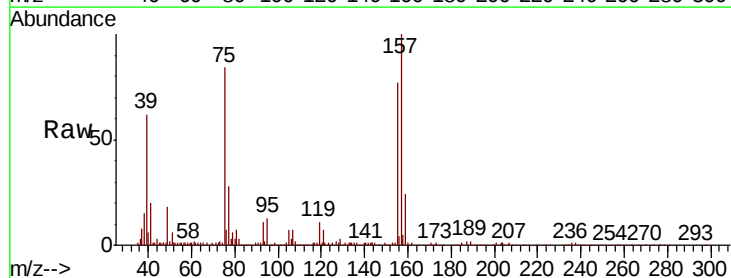
RT: 12.99 min Scan# 1986

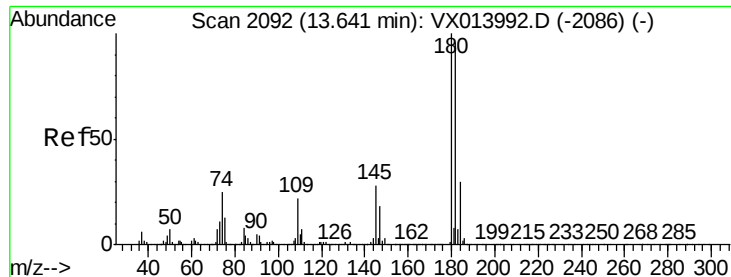
Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	73.8	110.6
157	124.8	95.0	142.4





#89

1,2,4-Trichlorobenzene

Concen: 21.112 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

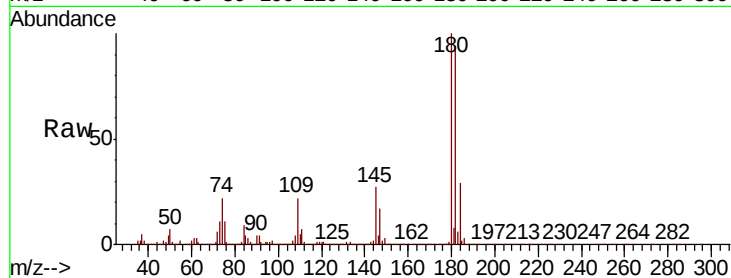
Tot Ion:180 Resp: 141701

Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

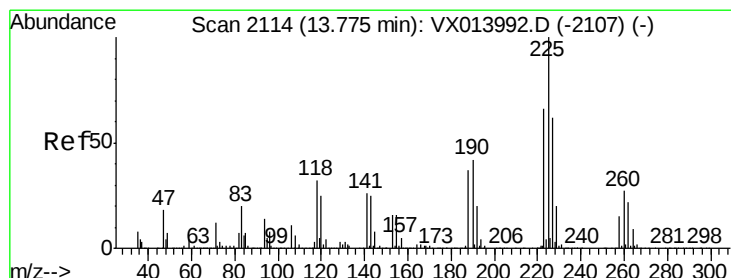
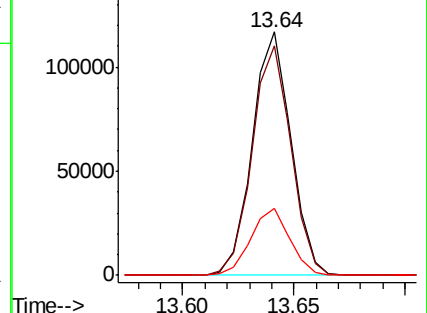
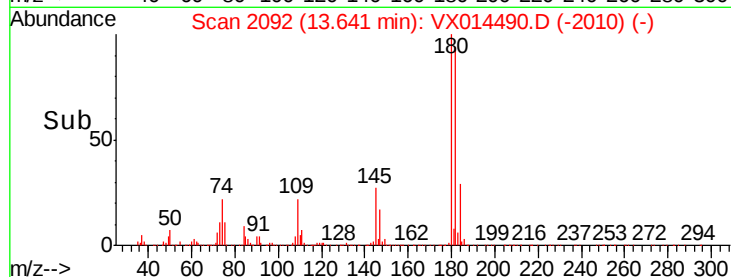
145 28.1 21.9 32.9



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



#90

Hexachlorobutadiene

Concen: 21.153 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

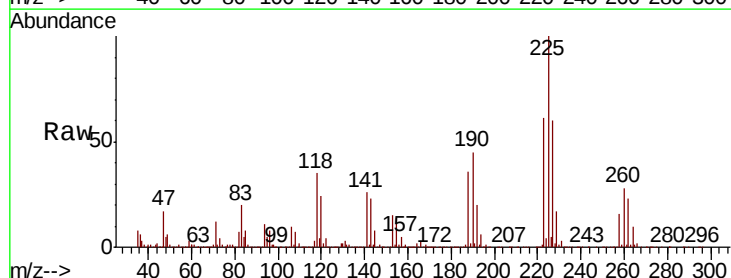
Tgt Ion:225 Resp: 67487

Ion Ratio Lower Upper

225 100

223 63.3 0.0 127.4

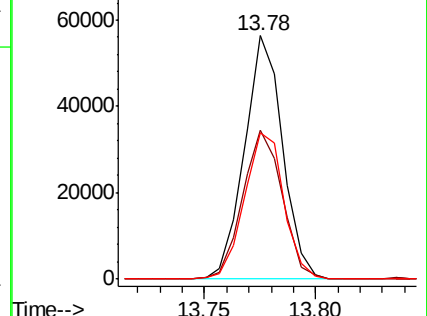
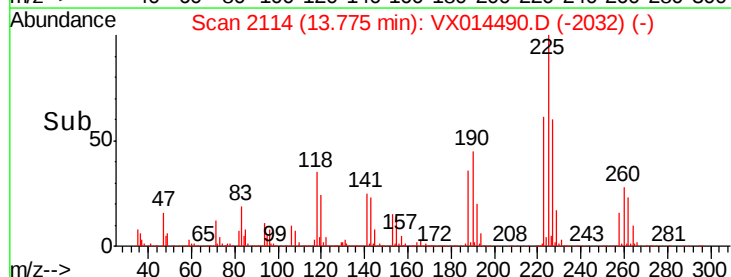
227 62.4 0.0 122.8

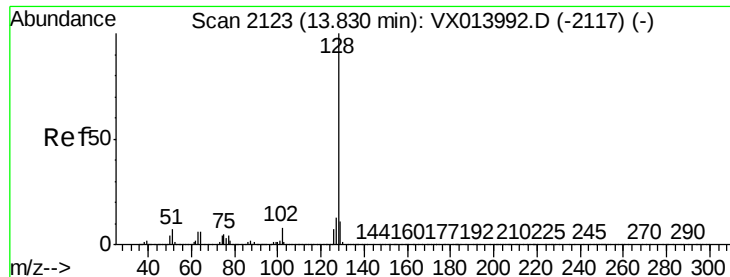


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 20.766 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

Instrument :

MSVOA_X

ClientSampleId :

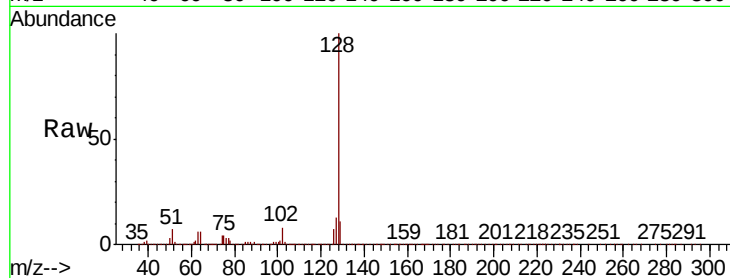
Tot Ion:128 Resp: 418933

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

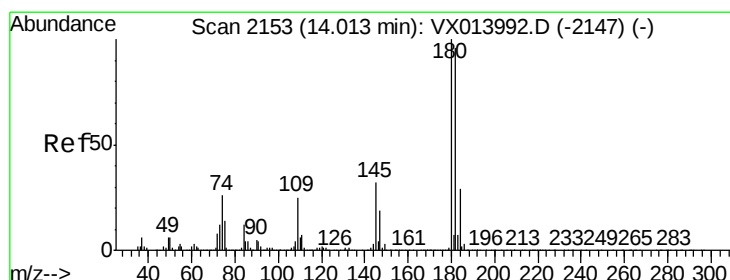
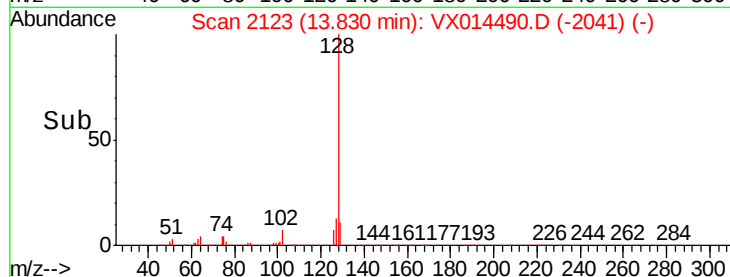
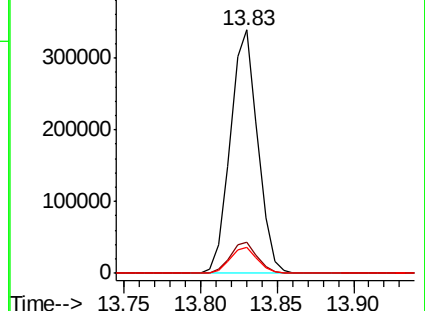
129 10.9 8.9 13.3



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: 21.004 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014490.D

Acq: 09 Jan 2020 11:43

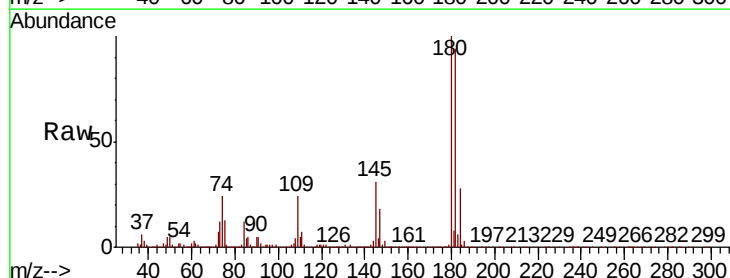
Tgt Ion:180 Resp: 142990

Ion Ratio Lower Upper

180 100

182 95.1 0.0 192.8

145 29.9 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

