

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015991.D
 Acq On : 30 Apr 2020 12:02
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 12:32:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50627	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	278704	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	264040	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	113293	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	11.12	95	136886	30.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.07%
63) Toluene-d8	8.70	98	332988	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	546046	182.725	ug/l 99
3) Chloromethane	1.31	50	516003	158.088	ug/l 100
4) Vinyl Chloride	1.39	62	571860	171.783	ug/l 99
5) Bromomethane	1.62	94	287225	153.385	ug/l 99
6) Chloroethane	1.70	64	378956	179.474	ug/l 98
7) Trichlorofluoromethane	1.90	101	827224	174.625	ug/l 99
8) Diethyl Ether	2.17	74	331735	181.447	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	419383	150.936	ug/l 99
10) 1,1-Dichloroethene	2.35	96	431852	153.426	ug/l 98
11) Methyl Iodide	2.49	142	649671	173.811	ug/l 98
12) Methyl Acetate	2.75	43	783738	174.566	ug/l 100
13) Acrolein	2.28	56	322165	683.502	ug/l 99
14) Acrylonitrile	3.12	53	1444289	816.123	ug/l 100
15) Acetone	2.42	58	375410	824.882	ug/l 98
16) Carbon Disulfide	2.54	76	1298674	155.567	ug/l 98
17) Allyl chloride	2.70	41	804523	136.037	ug/l 95
18) Methylene Chloride	2.83	84	483561	153.520	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	479514	157.230	ug/l 98
20) Diisopropyl ether	3.83	45	1570421	145.576	ug/l 97
21) 1,1-Dichloroethane	3.67	63	862828	150.803	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	542770	155.638	ug/l 98
23) tert-Butyl Alcohol	3.04	59	709703	818.570	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	1580138	153.982	ug/l 97
25) Chloroform	5.18	83	876322	153.116	ug/l 96
26) Cyclohexane	5.55	56	786873	145.346	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	671090	157.903	ug/l 99
30) 2-Butanone	4.64	43	2029234	801.584	ug/l 98
31) 2,2-Dichloropropane	4.55	77	783214	153.245	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	806676	156.220	ug/l 99
33) Carbon Tetrachloride	5.76	117	716177	153.050	ug/l 100
34) Benzene	6.12	78	1945324	158.176	ug/l 99
35) Methacrylonitrile	5.01	41	435888	155.492	ug/l 98
36) 1,2-Dichloroethane	6.17	62	732917	155.990	ug/l 100
37) Trichloroethene	7.19	130	632408	163.097	ug/l 99
38) Methylcyclohexane	7.44	83	814516	157.005	ug/l 99
39) 1,2-Dichloropropane	7.49	63	496819	153.175	ug/l 97
40) Dibromomethane	7.64	93	347247	157.725	ug/l 98

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Quant Time: Apr 30 12:32:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	732265	157.076	ug/l	99
42) Vinyl Acetate	3.79	43	6630753	739.424	ug/l	99
43) Ethyl Acetate	4.80	43	794188	145.597	ug/l	100
44) Isopropyl Acetate	6.42	43	1297370	151.558	ug/l	99
45) 1,4-Dioxane	7.72	88	277412	3357.999	ug/l	98
46) Methyl methacrylate	7.75	41	628925	150.193	ug/l	96
47) n-amyl Acetate	10.88	43	1176490	158.143	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	866527	160.764	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	880080	157.978	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	505522	162.021	ug/l	99
51) Ethyl methacrylate	9.17	69	870273	165.169	ug/l	95
52) 1,3-Dichloropropane	9.35	76	851848	157.884	ug/l	100
53) Dibromochloromethane	9.57	129	599784	160.427	ug/l	100
54) 1,2-Dibromoethane	9.66	107	556962	164.666	ug/l	100
55) 2-Chloroethyl vinyl ether	8.30	63	2190337	850.594	ug/l	99
56) Bromoform	10.84	173	474479	159.594	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	4011749	798.766	ug/l	97
59) 2-Hexanone	9.48	43	3128296	813.142	ug/l	97
61) Tetrachloroethene	9.32	164	744311	180.587	ug/l	98
62) Toluene	8.77	91	2095437	155.054	ug/l	98
64) Chlorobenzene	10.12	112	1361005	156.669	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	530413	153.413	ug/l	98
66) Ethyl Benzene	10.24	91	2446837	159.115	ug/l	100
67) m/p-Xylenes	10.35	106	1885918	322.193	ug/l	96
68) o-Xylene	10.68	106	921408	162.334	ug/l	97
69) Styrene	10.70	104	1618383	164.937	ug/l	100
70) Isopropylbenzene	11.01	105	2450887	161.716	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	598339	149.316	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	1040546	225.689	ug/l	83
73) Bromobenzene	11.24	156	624944	156.397	ug/l	99
74) n-propylbenzene	11.35	91	2823920	161.949	ug/l	99
75) 2-Chlorotoluene	11.41	91	1667340	159.095	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	2123235	164.300	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	338454	171.157	ug/l	96
78) 4-Chlorotoluene	11.49	91	2010390	164.676	ug/l	100
79) tert-butylbenzene	11.76	119	1808581	148.094	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	2098270	161.201	ug/l	99
81) sec-Butylbenzene	11.93	105	2438155	164.008	ug/l	100
82) p-Isopropyltoluene	12.05	119	2247237	161.089	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	1127401	157.054	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1124514	157.460	ug/l	100
85) n-Butylbenzene	12.37	91	2092987	167.644	ug/l	100
86) Hexachloroethane	12.58	117	419105	161.349	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	1081439	154.947	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	201765	162.340	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	799852	145.946	ug/l	99
90) Hexachlorobutadiene	13.77	225	350032	127.015	ug/l	97
91) Naphthalene	13.82	128	2578040	159.225	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	784308	146.435	ug/l	96

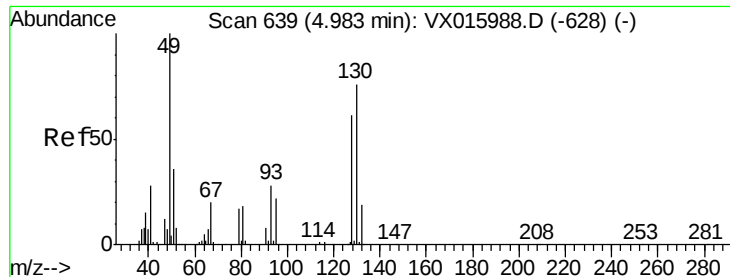
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
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Quant Time: Apr 30 12:32:46 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :

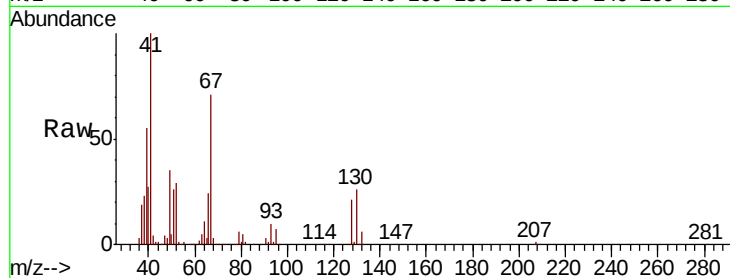
Tot Ion:128 Resp: 50627

Ion Ratio Lower Upper

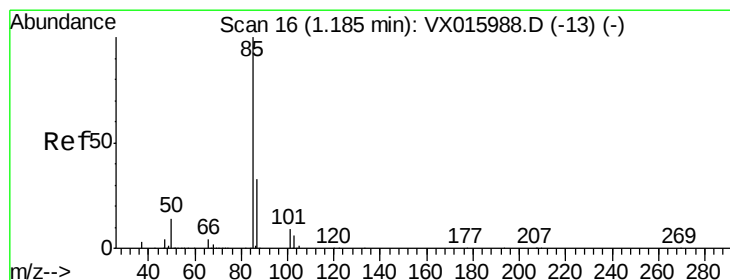
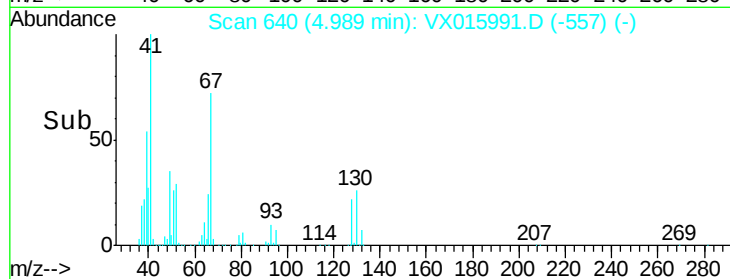
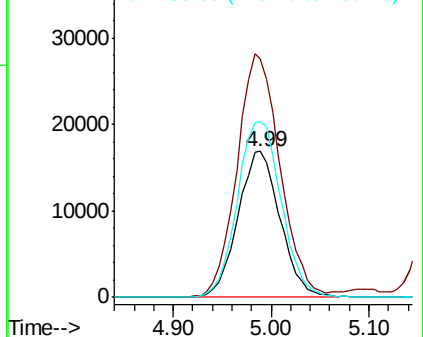
128 100

49 170.5 0.0 418.5

130 125.8 0.0 326.3



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: 182.725 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX015991.D

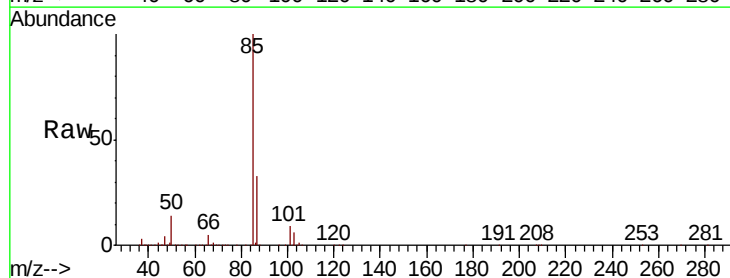
Acq: 30 Apr 2020 12:02

Tgt Ion: 85 Resp: 546046

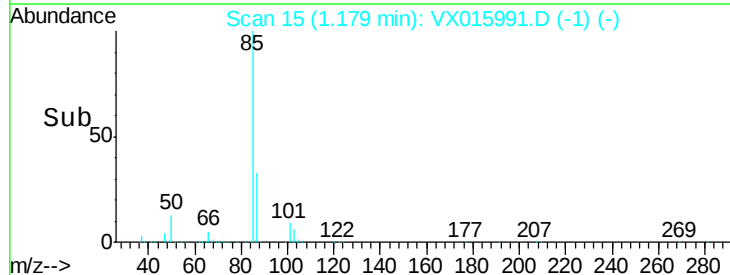
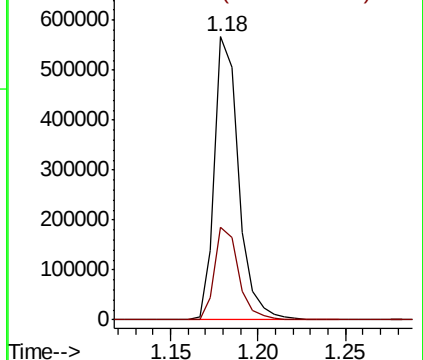
Ion Ratio Lower Upper

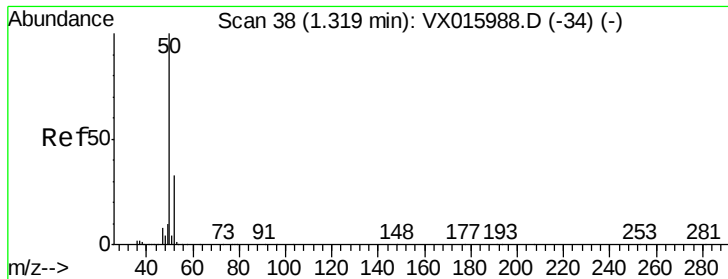
85 100

87 32.8 16.6 49.7



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





#3

Chloromethane

Concen: 158.088 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

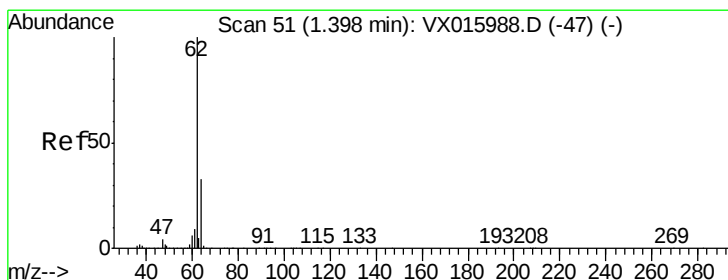
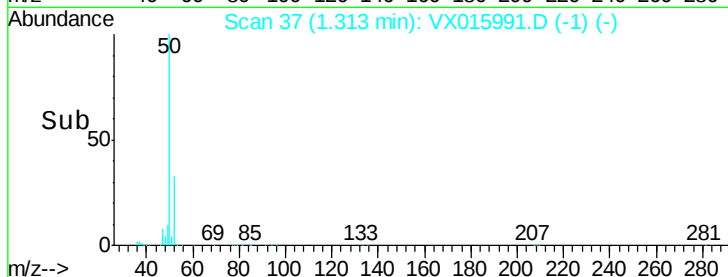
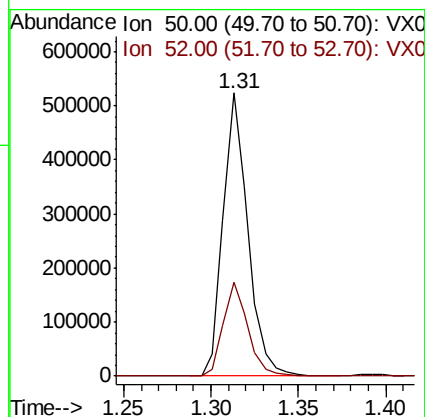
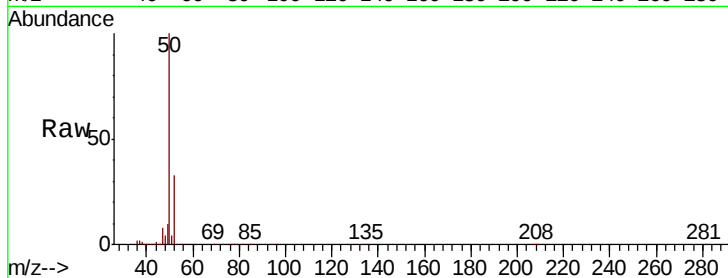
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 516003

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 171.783 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015991.D

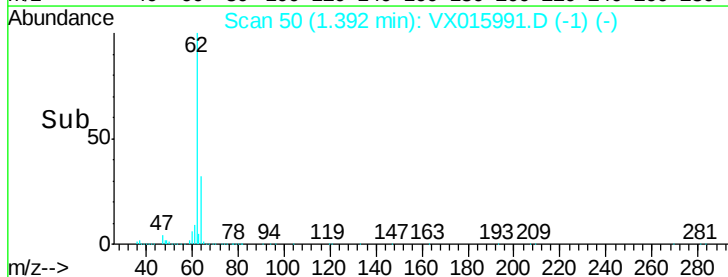
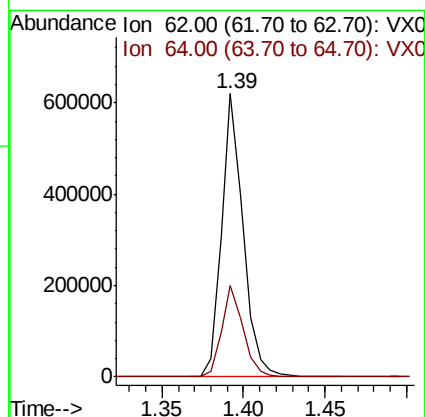
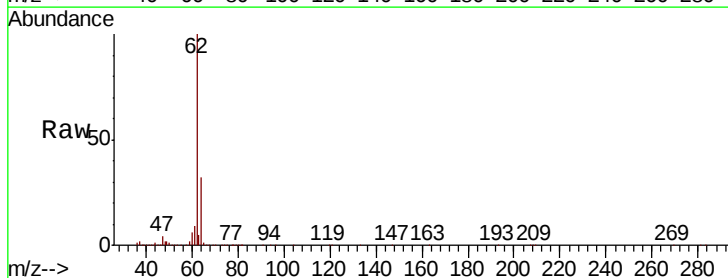
Acq: 30 Apr 2020 12:02

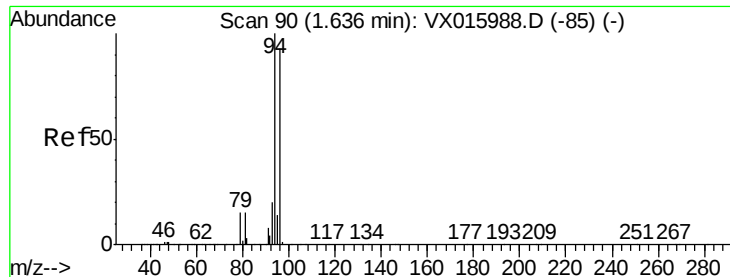
Tgt Ion: 62 Resp: 571860

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 153.385 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.02 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

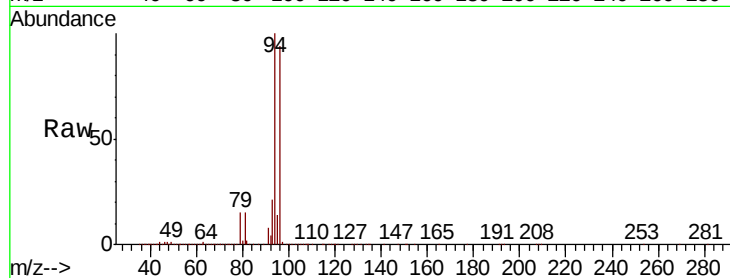
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 287225

Ion Ratio Lower Upper

94 100

96 93.9 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.62

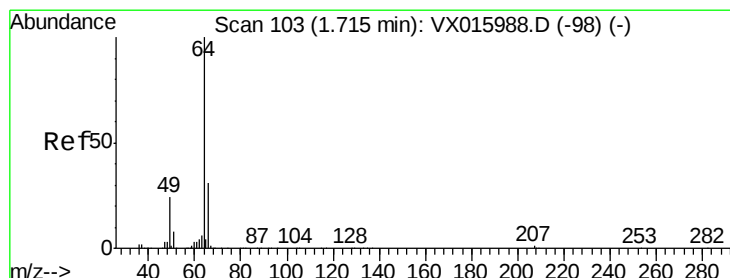
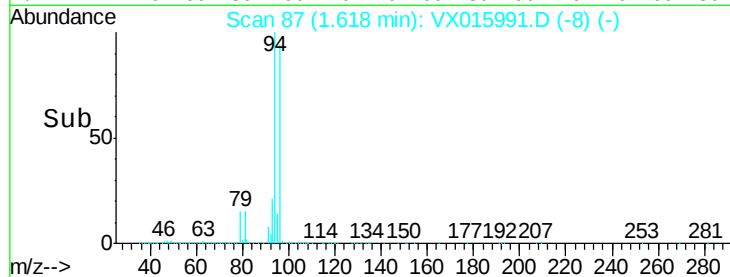
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 179.474 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.02 min

Lab File: VX015991.D

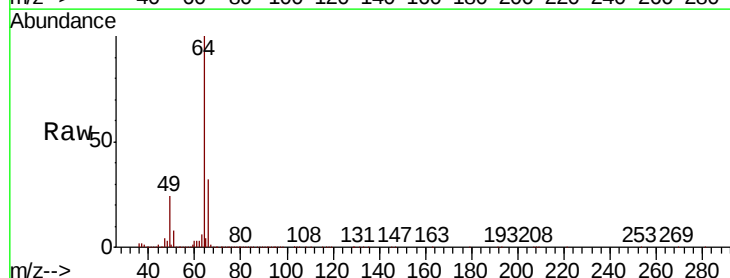
Acq: 30 Apr 2020 12:02

Tgt Ion: 64 Resp: 378956

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.70

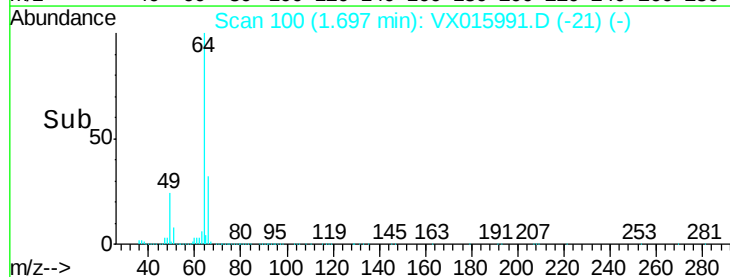
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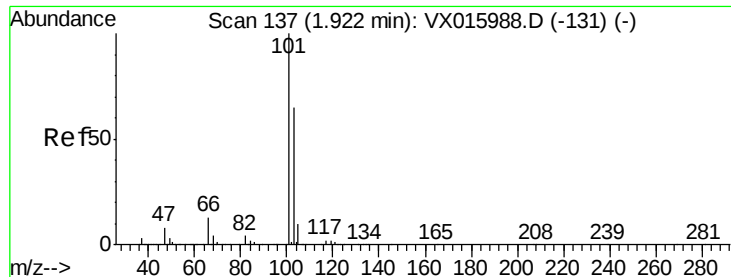
200000

100000

0

Time-->



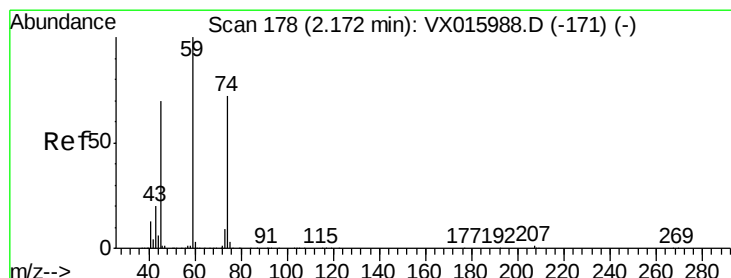
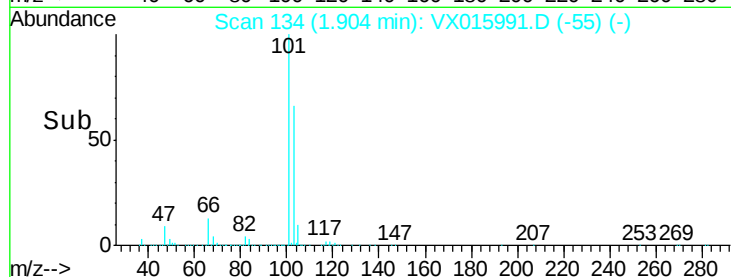
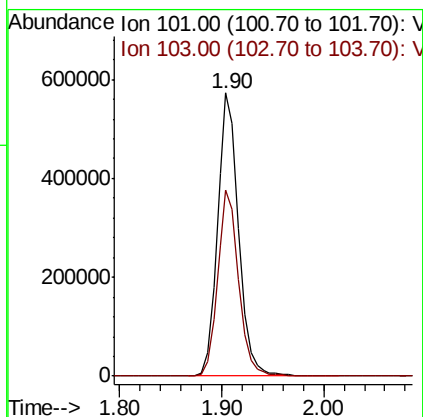
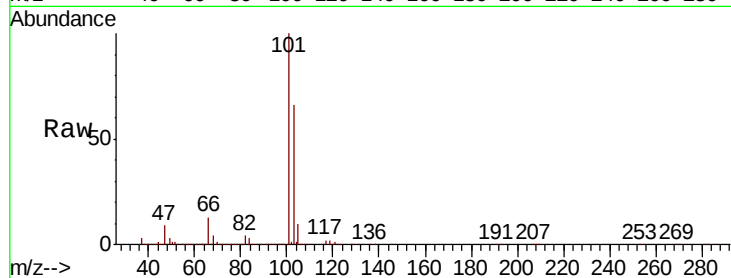


#7

Trichlorofluoromethane
Concen: 174.625 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.02 min
Lab File: VX015991.D
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Instrument :
MSVOA_X
ClientSampleId :

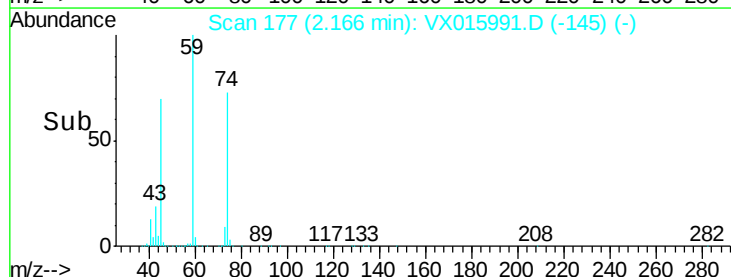
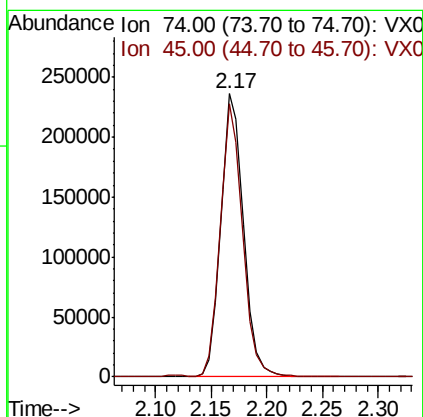
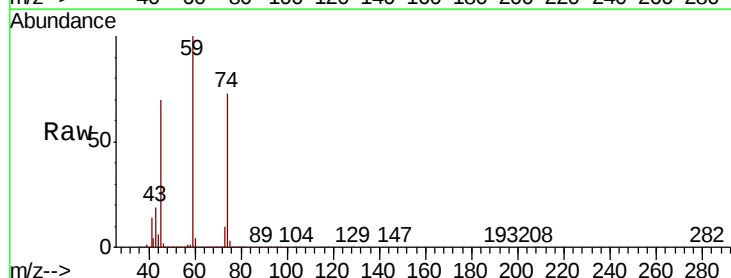
Tot Ion:101 Resp: 827224
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.8

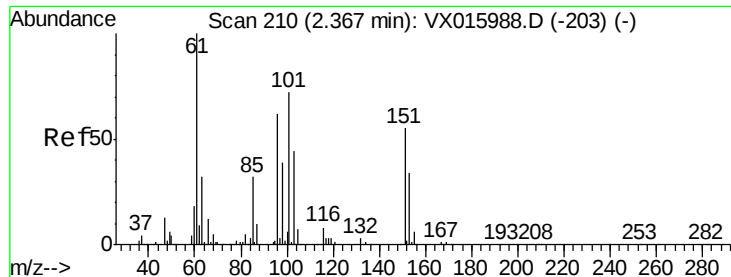


#8

Diethyl Ether
Concen: 181.447 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 74 Resp: 331735
Ion Ratio Lower Upper
74 100
45 95.1 19.4 174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.936 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015991.D

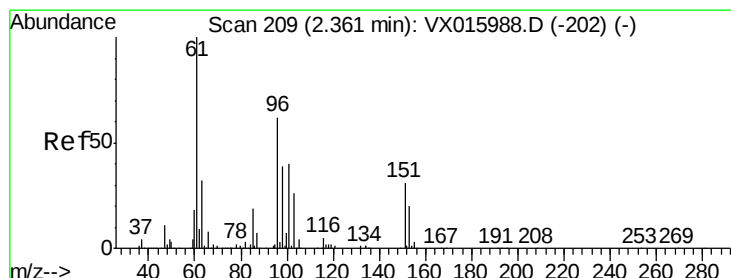
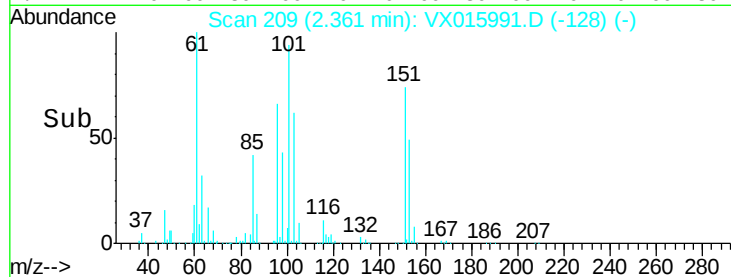
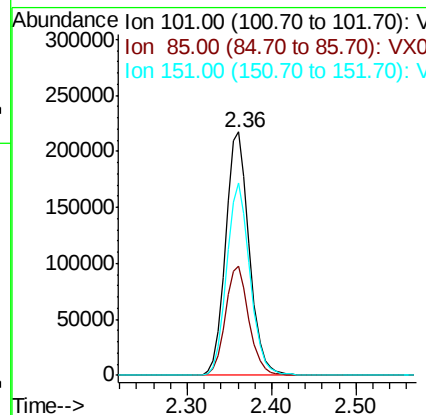
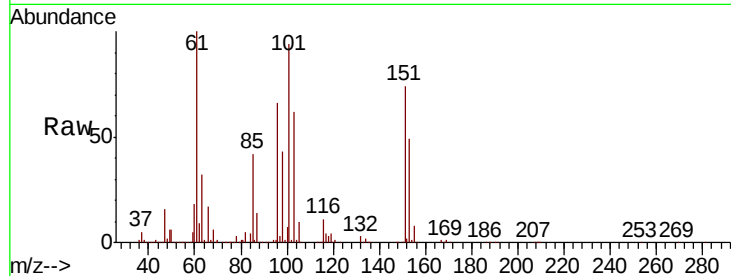
Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	419383
Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	90.6
151	77.9	0.0	157.0



#10

1,1-Dichloroethene

Concen: 153.426 ug/l

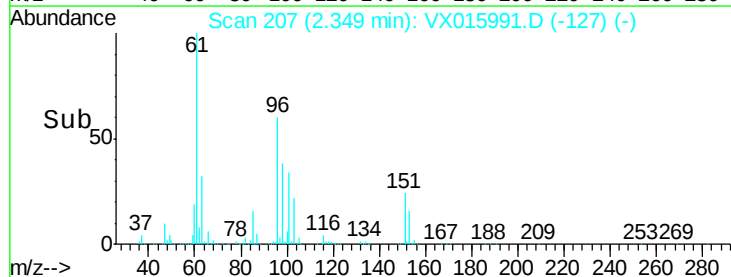
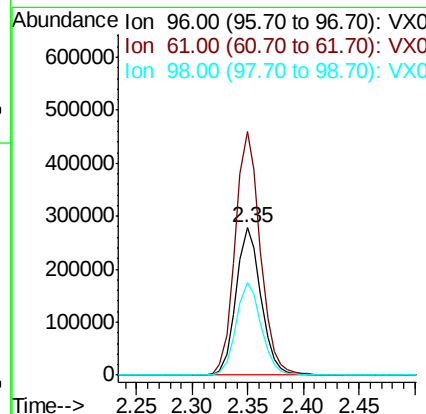
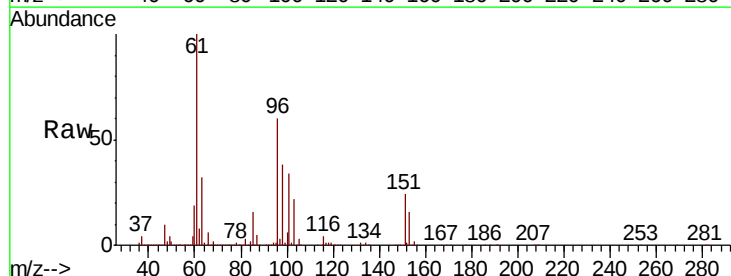
RT: 2.35 min Scan# 207

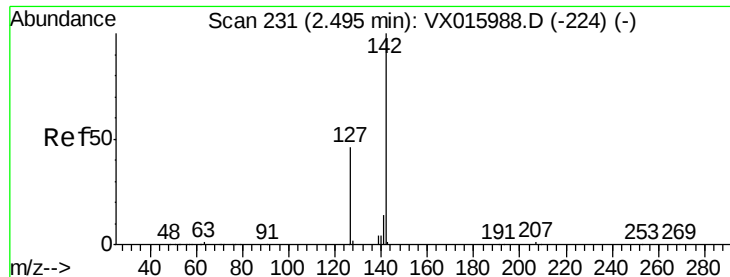
Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	96	Resp:	431852
Ion	Ratio	Lower	Upper
96	100		
61	165.4	129.8	194.8
98	62.8	51.1	76.7

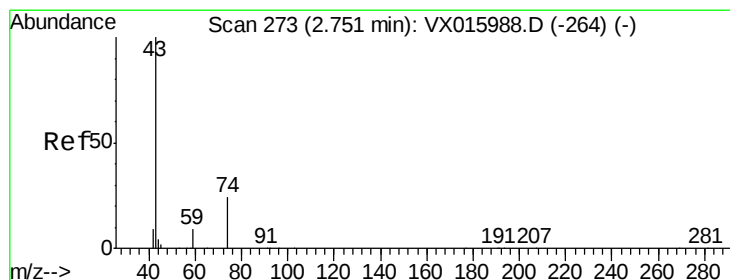
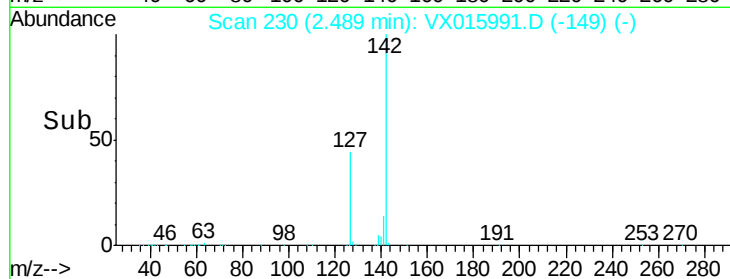
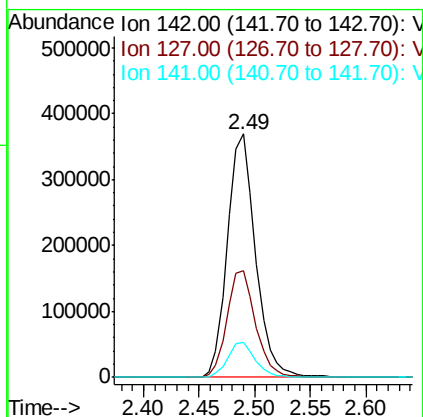
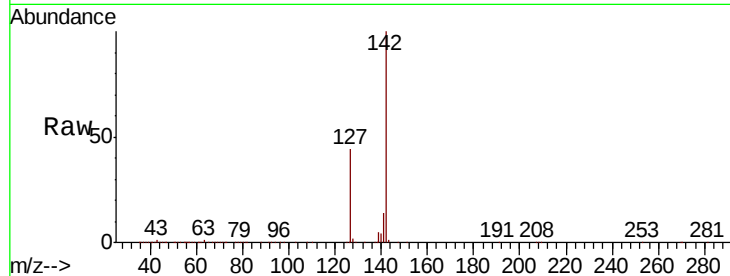




#11
Methvl Iodide
Concen: 173.811 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

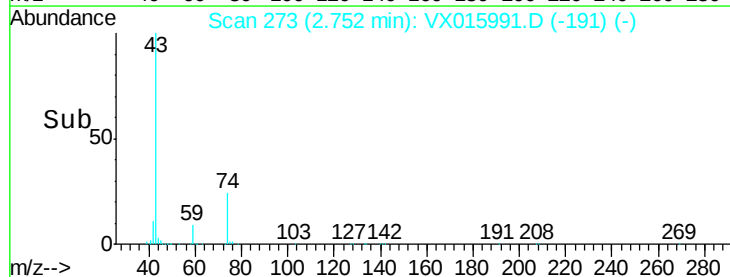
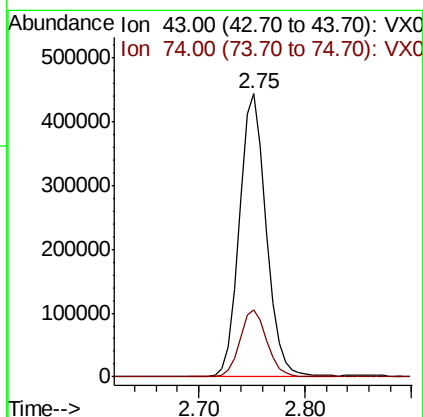
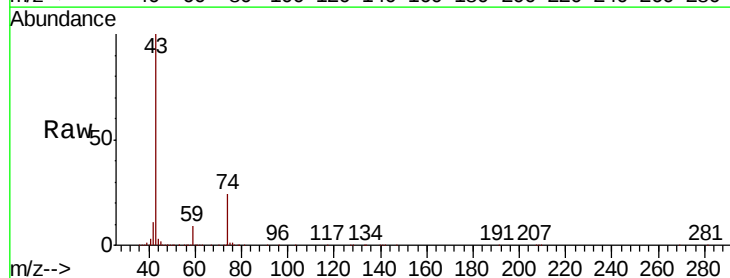
Instrument :
MSVOA_X
ClientSampleId :

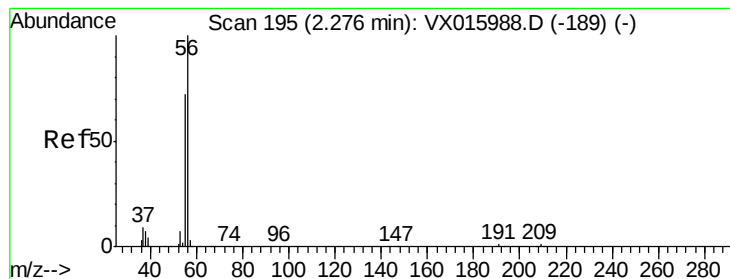
Tot Ion:142 Resp: 649671
Ion Ratio Lower Upper
142 100
127 43.9 22.8 68.4
141 14.1 7.0 21.1



#12
Methyl Acetate
Concen: 174.566 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 43 Resp: 783738
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4





#13

Acrolein

Concen: 683.502 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

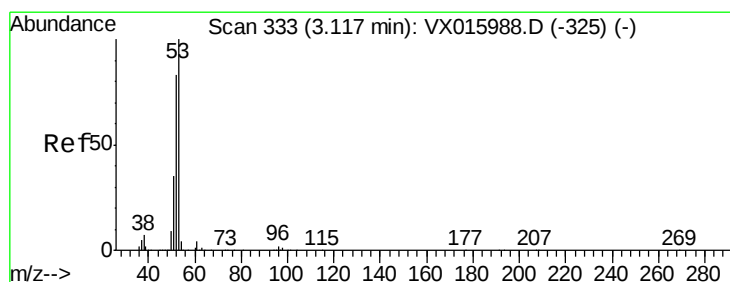
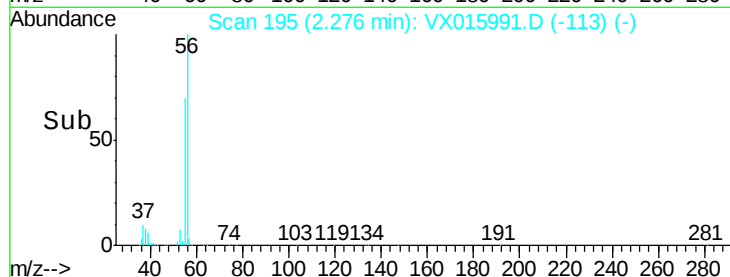
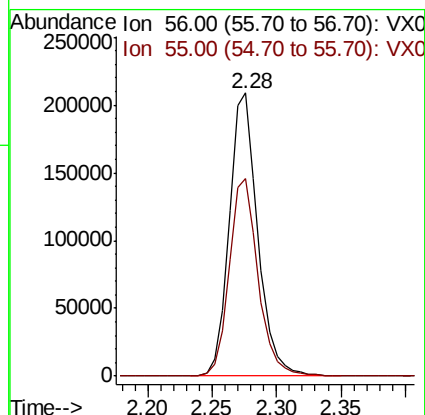
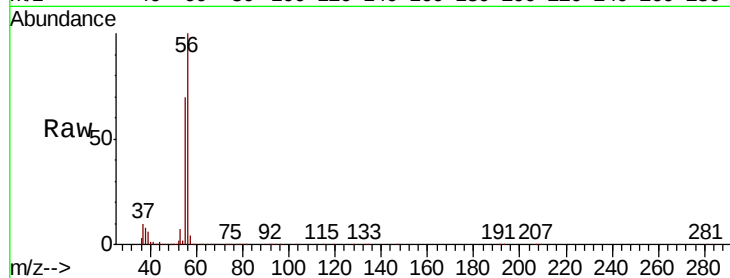
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 322165

Ion Ratio Lower Upper

56 100

55 70.7 56.2 84.4



#14

Acrylonitrile

Concen: 816.123 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

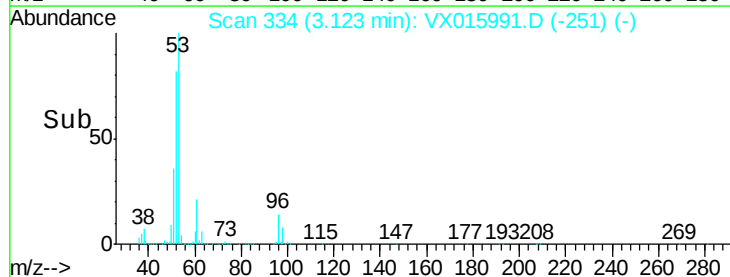
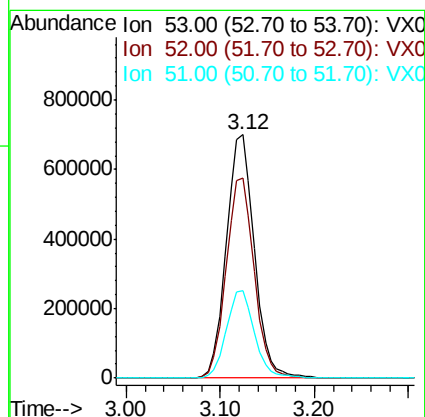
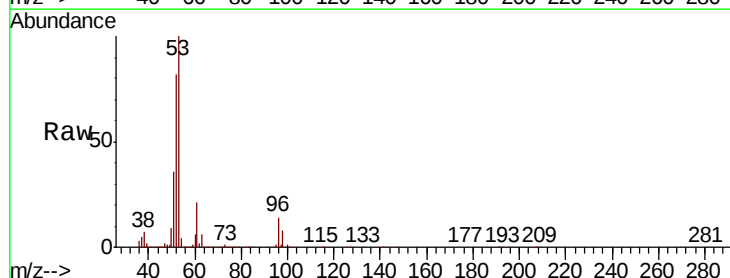
Tgt Ion: 53 Resp: 1444289

Ion Ratio Lower Upper

53 100

52 82.3 41.2 123.6

51 36.3 17.8 53.5





#15

Acetone

Concen: 824.882 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

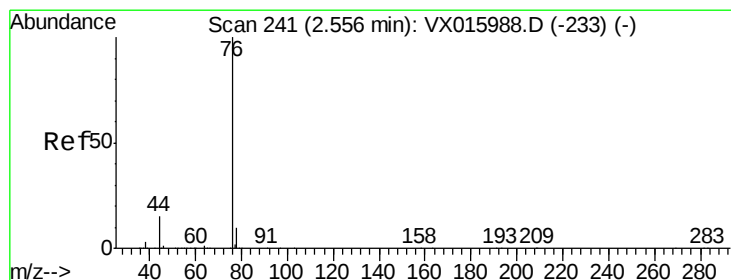
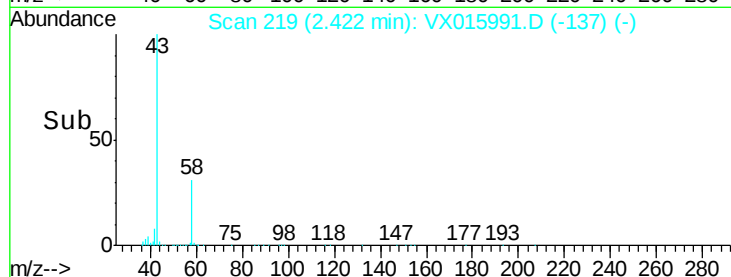
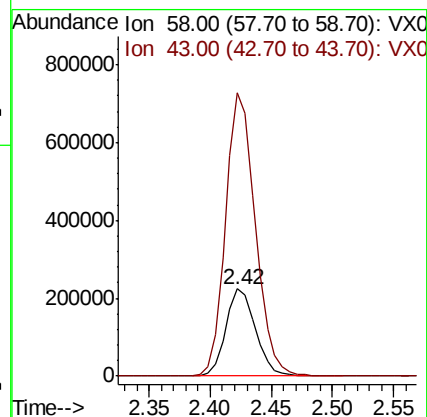
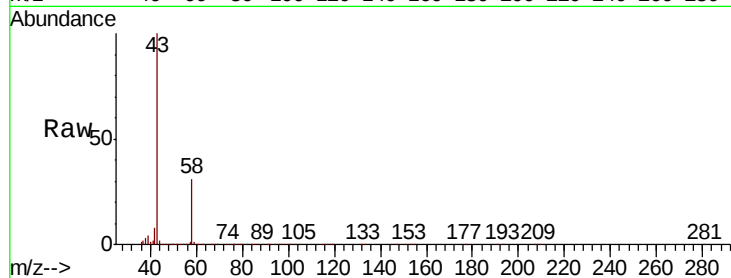
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 375410

Ion Ratio Lower Upper

58 100

43 325.5 264.2 396.2



#16

Carbon Disulfide

Concen: 155.567 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX015991.D

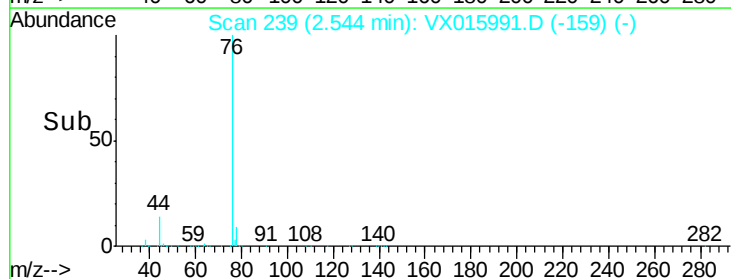
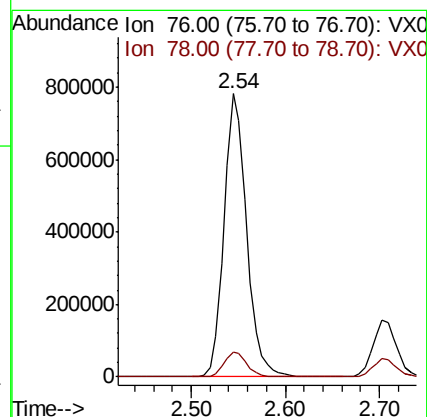
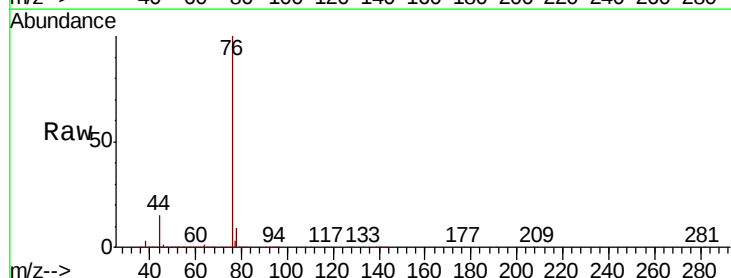
Acq: 30 Apr 2020 12:02

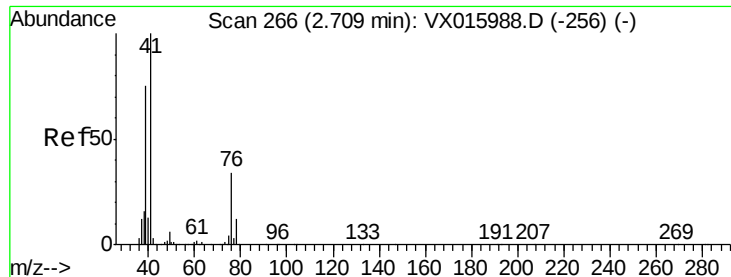
Tgt Ion: 76 Resp: 1298674

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

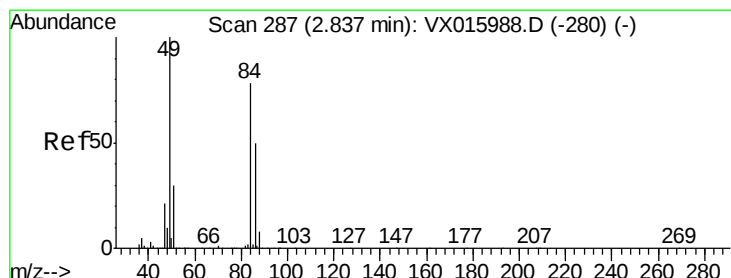
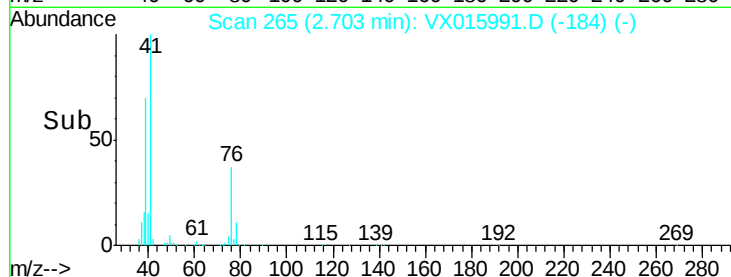
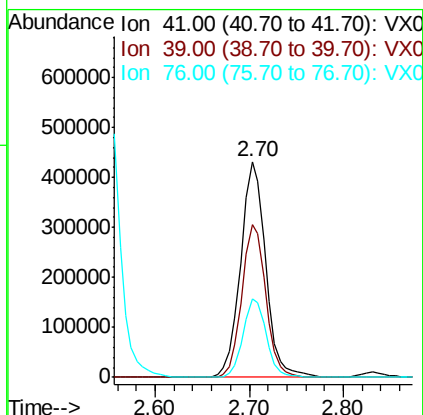
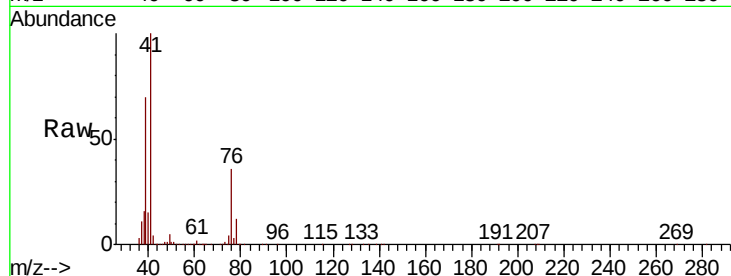




#17
Allvl chloride
Concen: 136.037 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

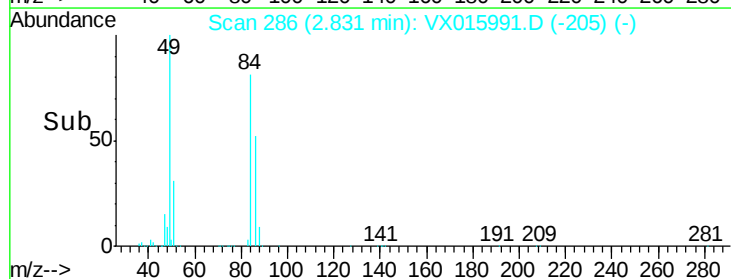
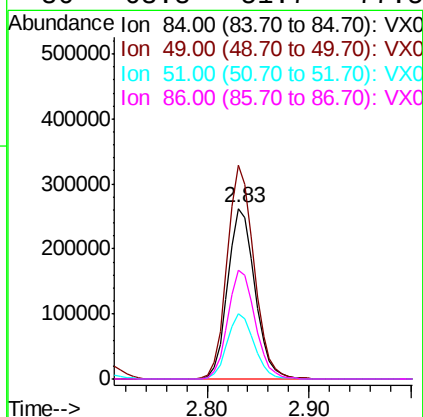
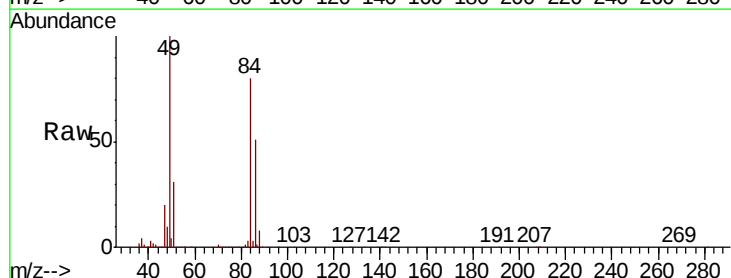
Instrument :
MSVOA_X
ClientSampleId :

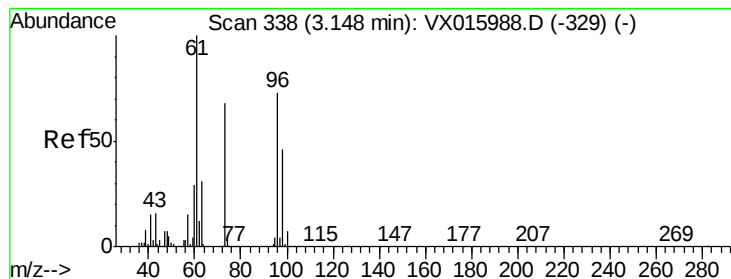
Tot Ion: 41 Resp: 804523
Ion Ratio Lower Upper
41 100
39 70.4 37.6 112.8
76 36.4 17.2 51.5



#18
Methylene Chloride
Concen: 153.520 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 84 Resp: 483561
Ion Ratio Lower Upper
84 100
49 125.4 103.0 154.4
51 38.4 31.4 47.0
86 63.8 51.7 77.5





#19

trans-1,2-Dichloroethene

Concen: 157.230 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

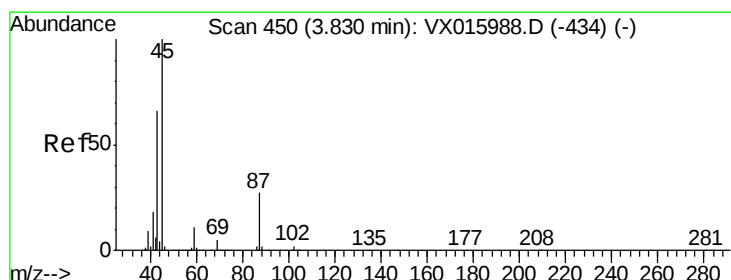
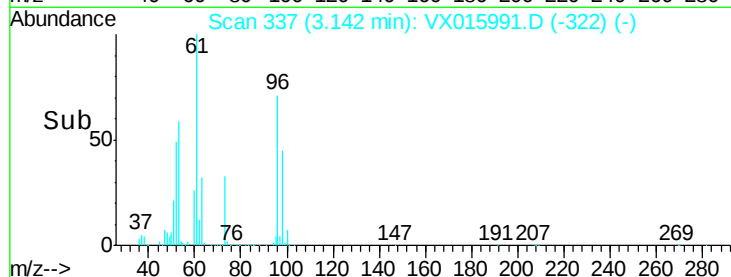
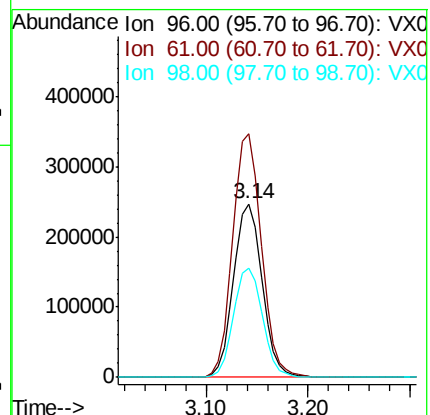
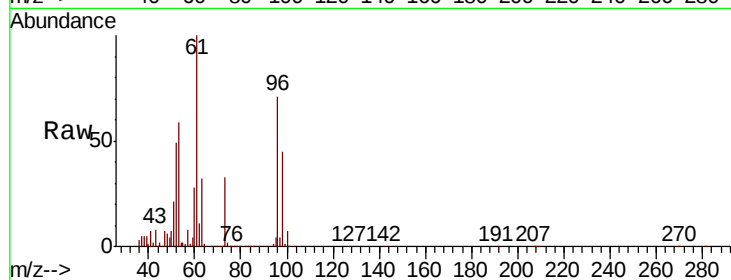
Tot Ion: 96 Resp: 479514

Ion Ratio Lower Upper

96 100

61 140.1 109.0 163.4

98 62.8 50.0 75.0



#20

Diisopropyl ether

Concen: 145.576 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion: 45 Resp: 1570421

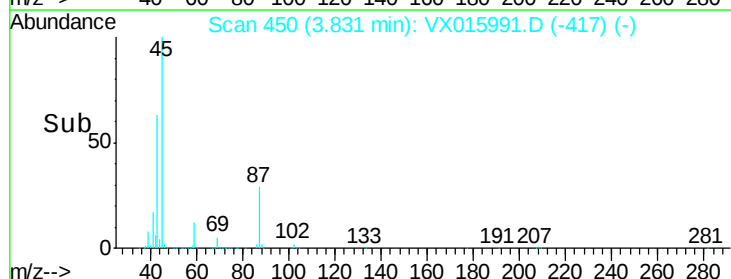
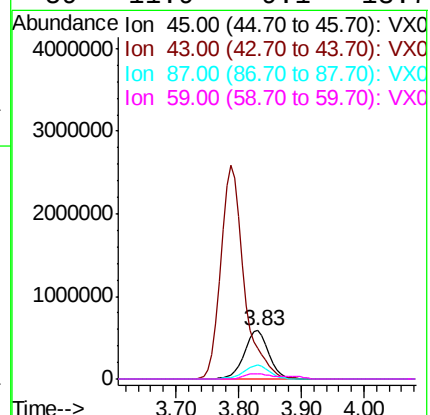
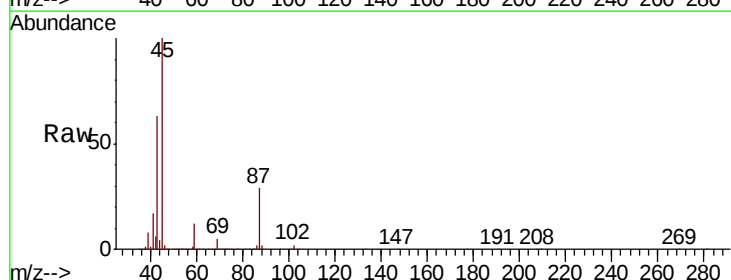
Ion Ratio Lower Upper

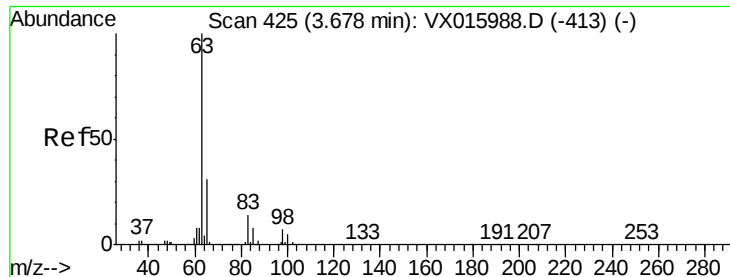
45 100

43 62.9 53.0 79.4

87 28.9 21.9 32.9

59 11.9 9.1 13.7

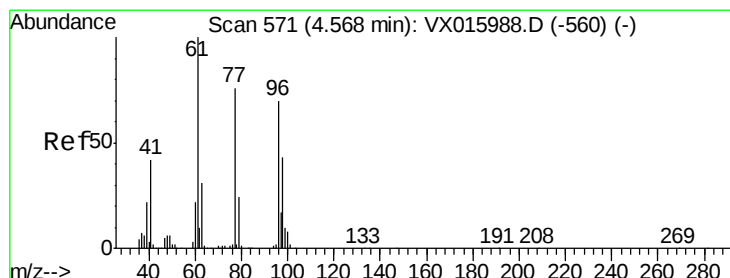
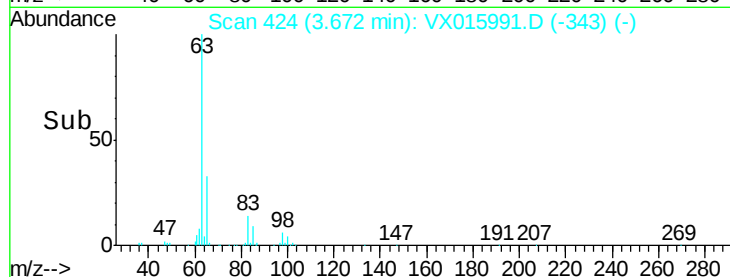
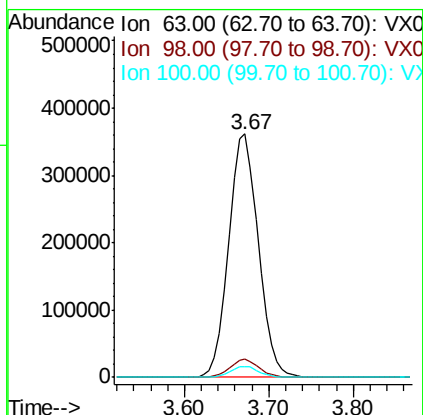
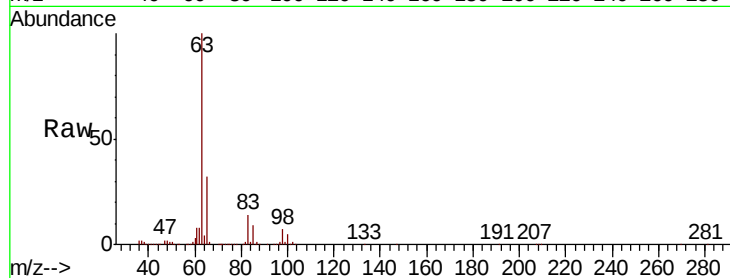




#21
 1,1-Dichloroethane
 Concen: 150.803 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

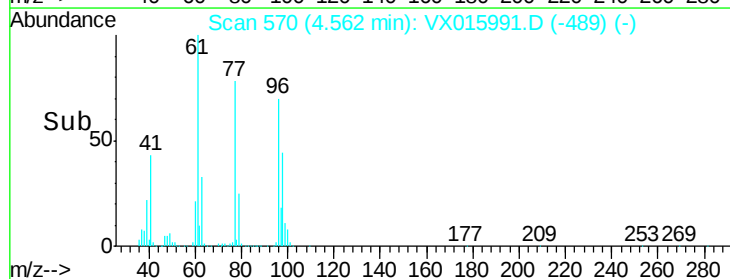
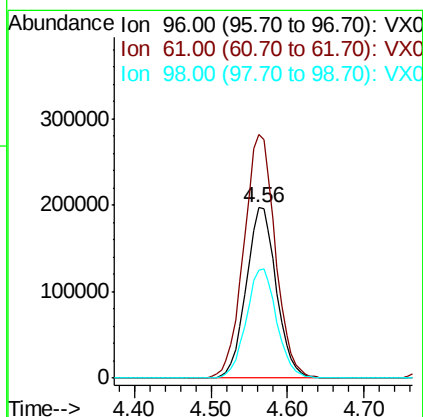
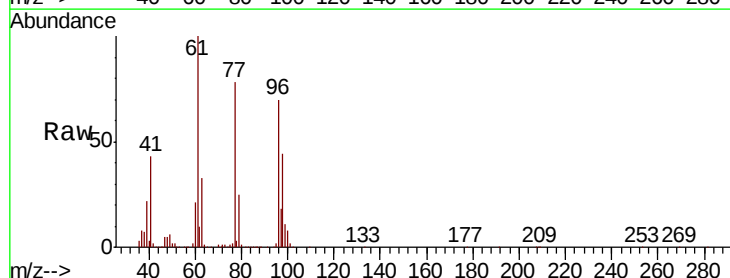
Instrument :
 MSVOA_X
 ClientSampleId :

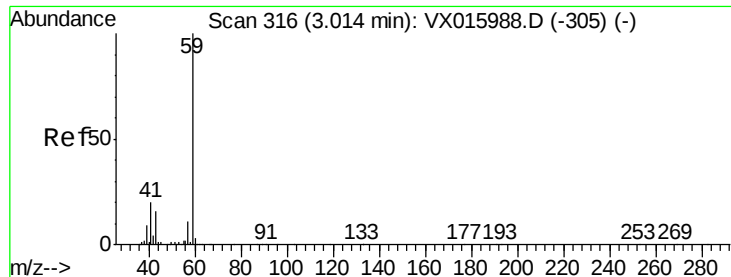
Tot Ion:	63	Resp:	862828
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.6	2.3	6.9



#22
 cis-1,2-Dichloroethene
 Concen: 155.638 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:	96	Resp:	542770
Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.6	182.4
98	64.8	51.9	77.9



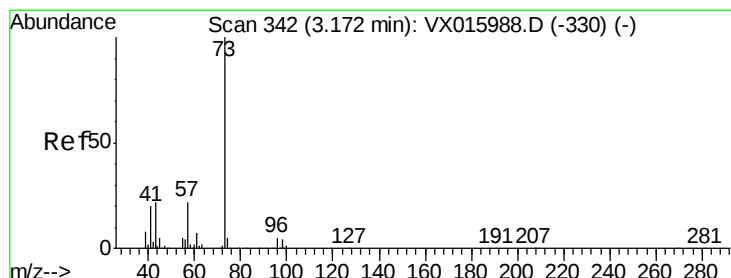
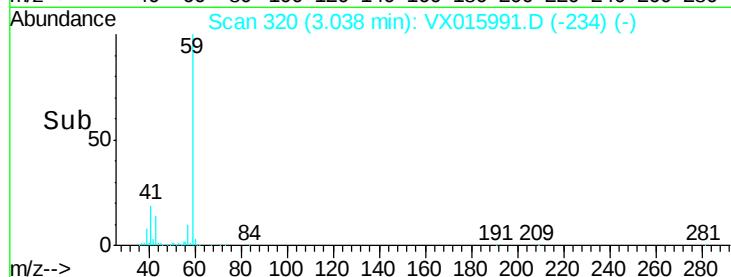
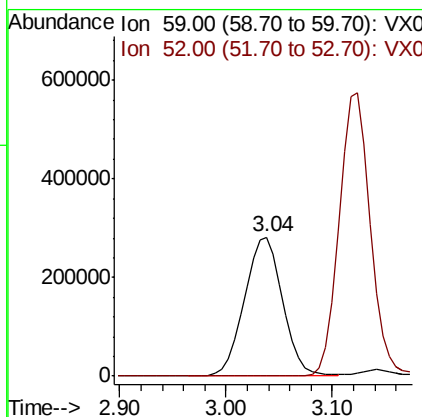
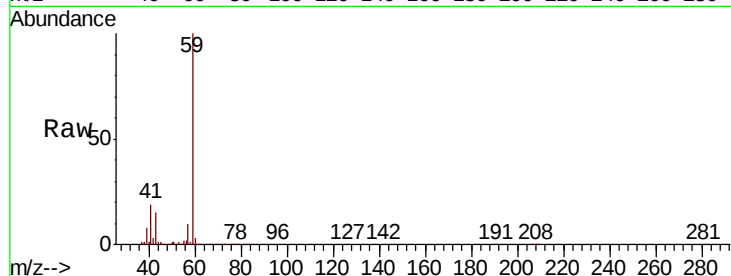


#23

tert-Butyl Alcohol
Concen: 818.570 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :

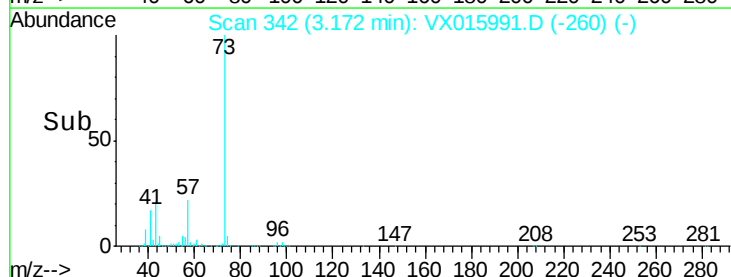
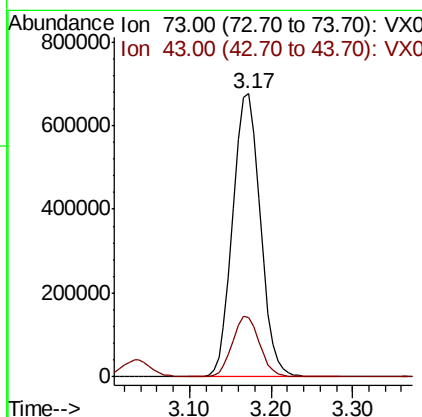
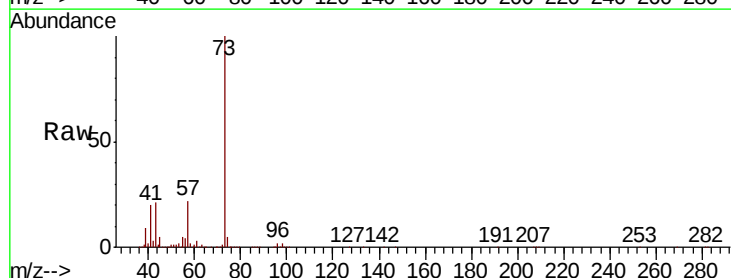
Tot Ion: 59 Resp: 709703
Ion Ratio Lower Upper
59 100
52 0.2 0.1 0.1#

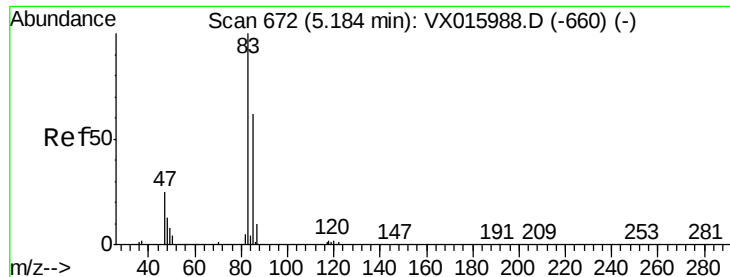


#24

Methyl tert-Butyl Ether
Concen: 153.982 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 73 Resp: 1580138
Ion Ratio Lower Upper
73 100
43 20.9 17.8 26.6





#25

Chloroform

Concen: 153.116 ug/l

RT: 5.18 min Scan# 672

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

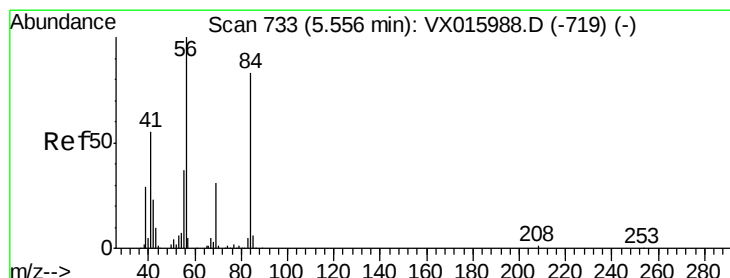
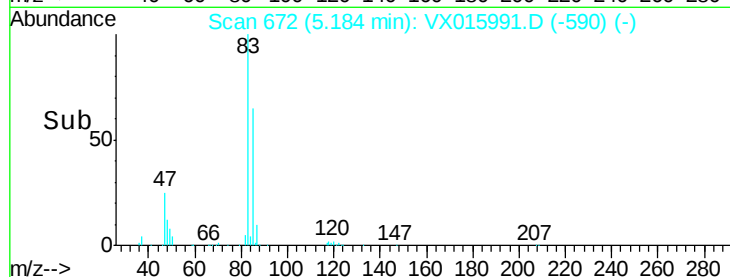
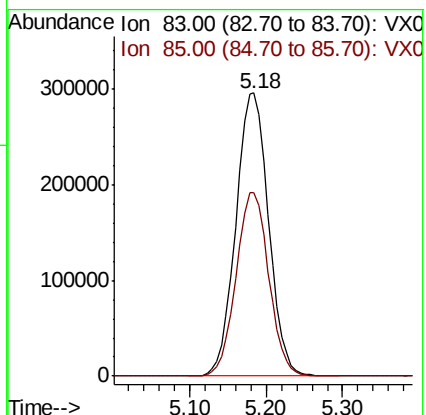
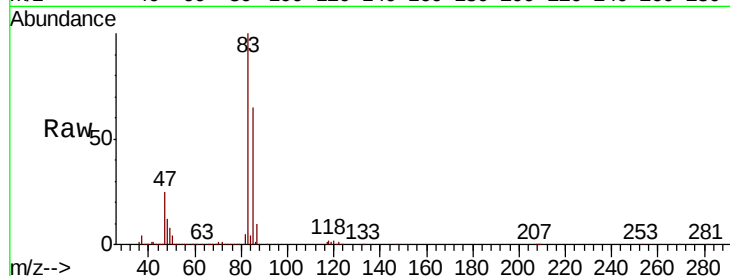
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 876322

Ion Ratio Lower Upper

83 100

85 65.1 49.6 74.4



#26

Cyclohexane

Concen: 145.346 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

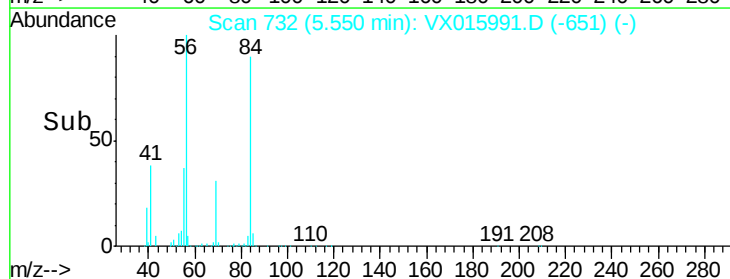
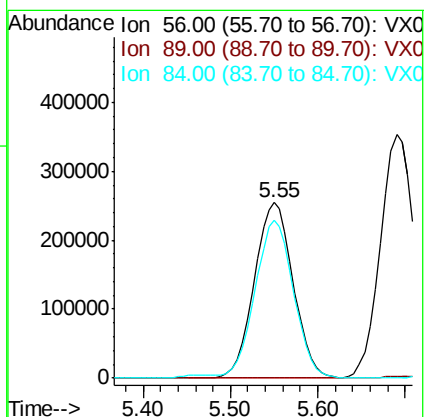
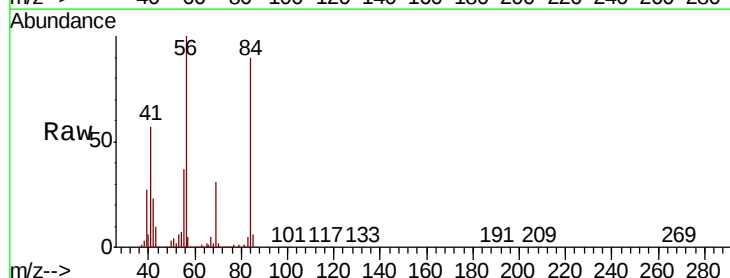
Tgt Ion: 56 Resp: 786873

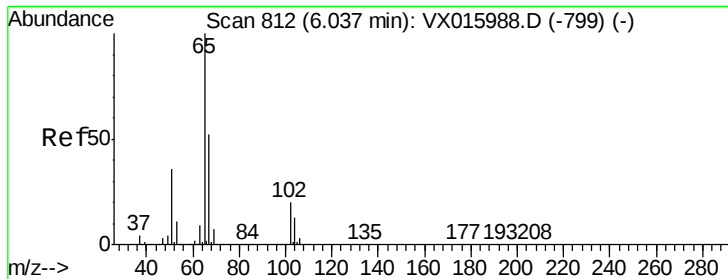
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 89.4 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 28.703 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

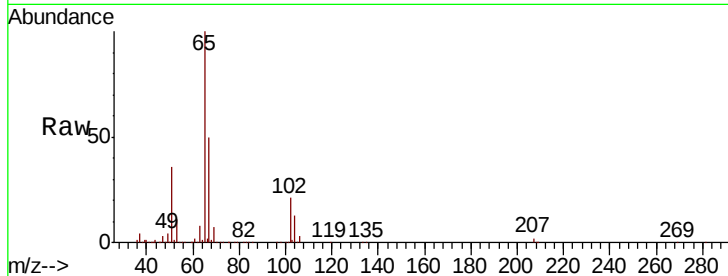
ClientSampleId :

Tot Ion: 65 Resp: 113293

Ion Ratio Lower Upper

65 100

67 51.6 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.04

50000

40000

30000

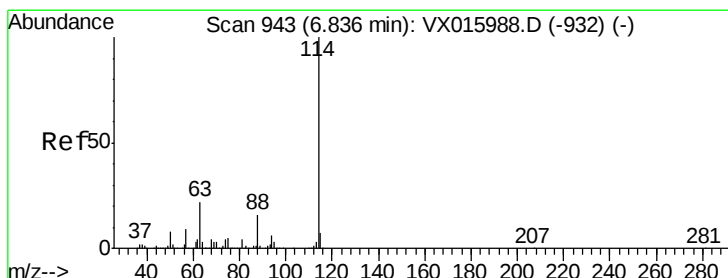
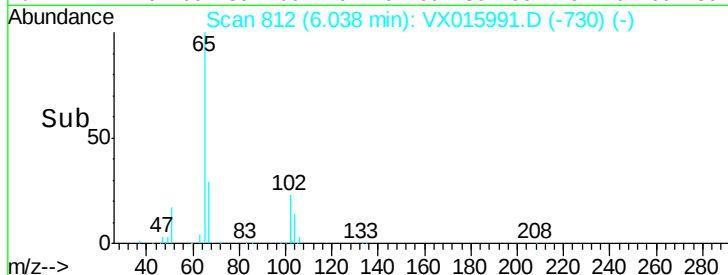
20000

10000

0

Time-->

5.95 6.00 6.05 6.10 6.15



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

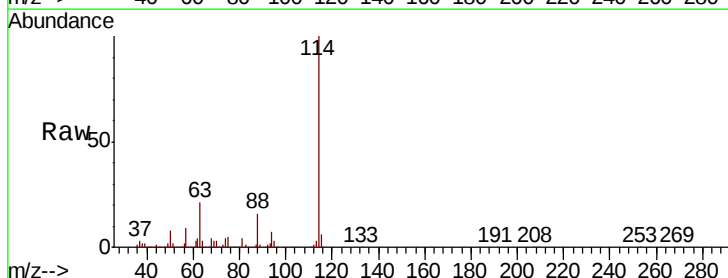
Tgt Ion: 114 Resp: 278704

Ion Ratio Lower Upper

114 100

63 21.1 17.1 25.7

88 16.0 13.0 19.4



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

150000

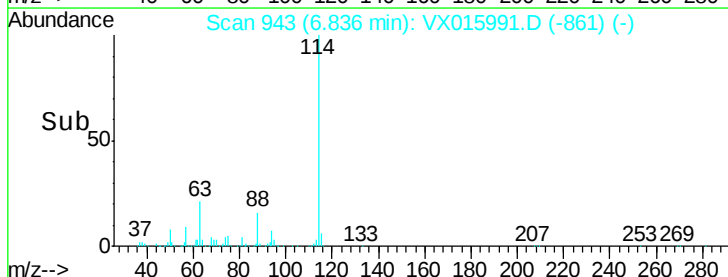
100000

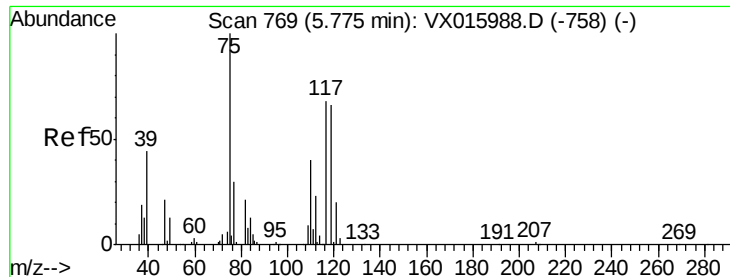
50000

0

Time-->

6.70 6.80 6.90





#29

1,1-Dichloropropene

Concen: 157.903 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

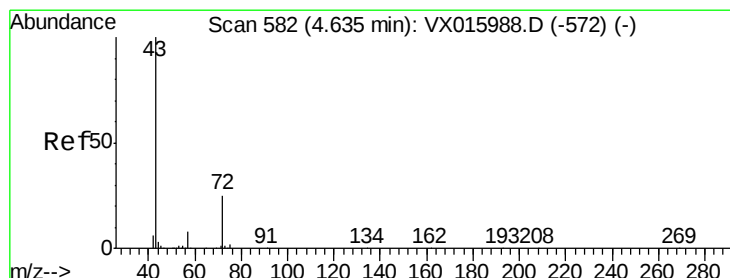
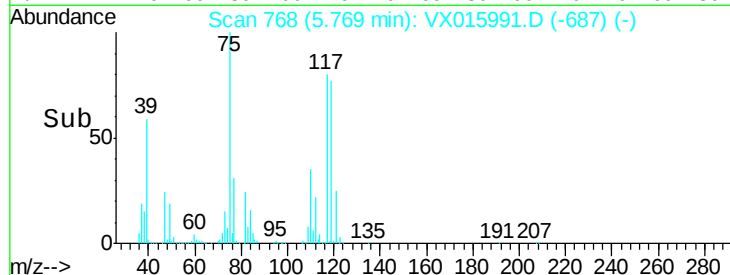
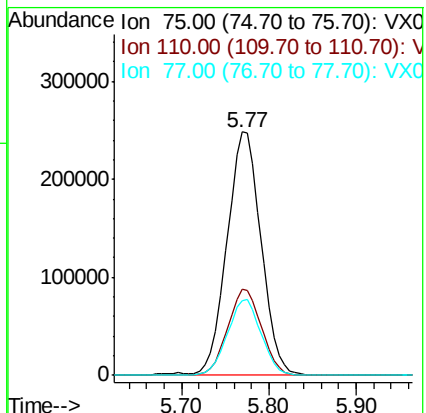
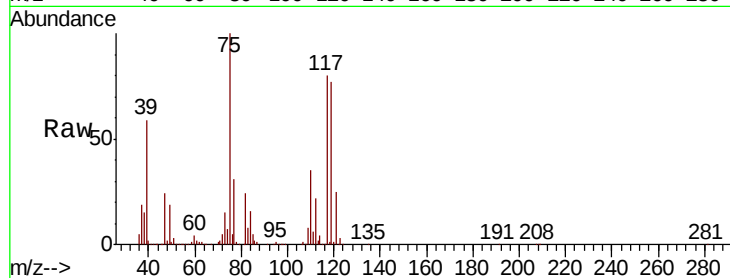
Tot Ion: 75 Resp: 671090

Ion Ratio Lower Upper

75 100

110 35.1 0.0 71.0

77 30.8 0.0 64.2



#30

2-Butanone

Concen: 801.584 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

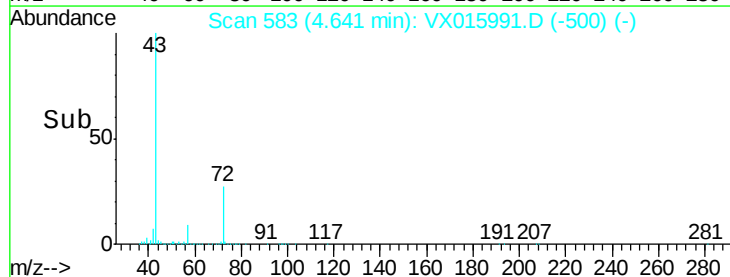
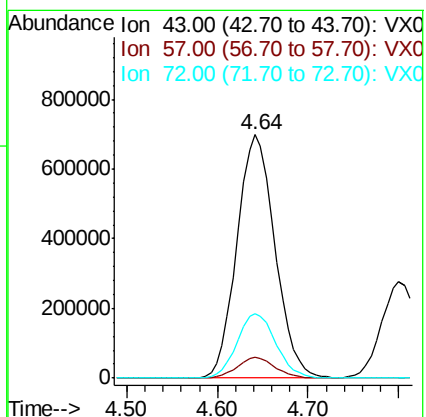
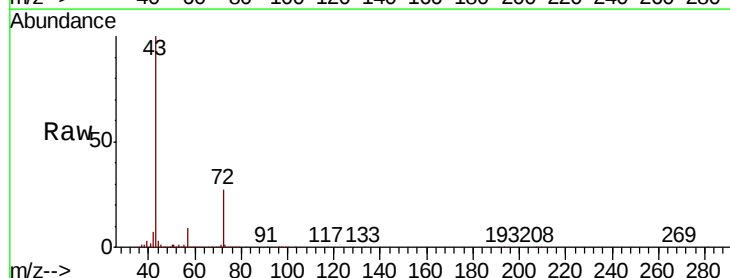
Tgt Ion: 43 Resp: 2029234

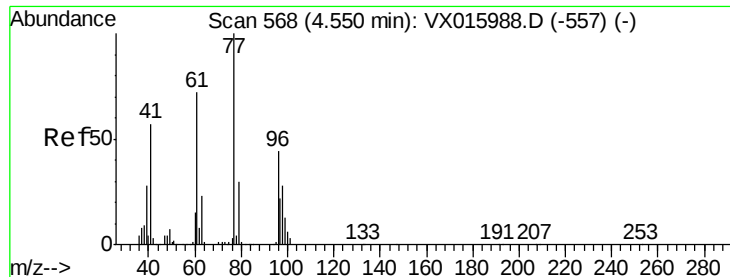
Ion Ratio Lower Upper

43 100

57 8.4 6.3 9.5

72 27.0 20.8 31.2





#31

2,2-Dichloropropane

Concen: 153.245 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

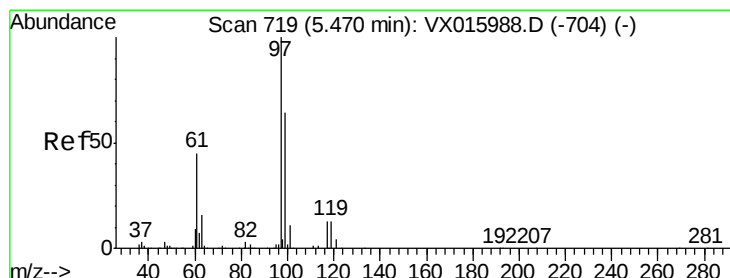
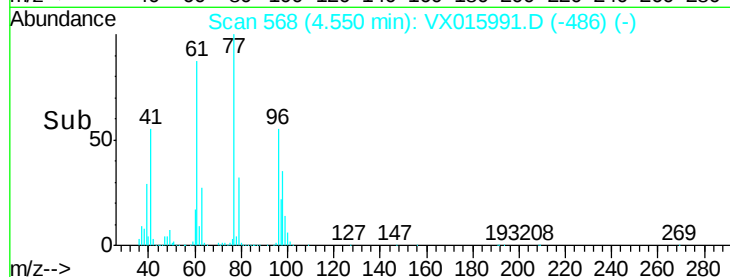
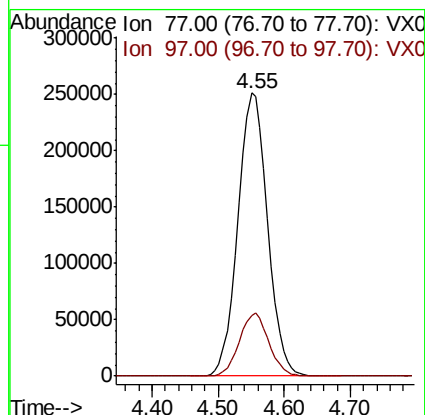
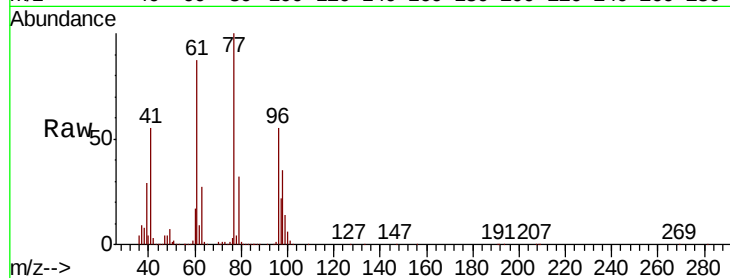
ClientSampleId :

Tot Ion: 77 Resp: 783214

Ion Ratio Lower Upper

77 100

97 22.2 17.8 26.8



#32

1,1,1-Trichloroethane

Concen: 156.220 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

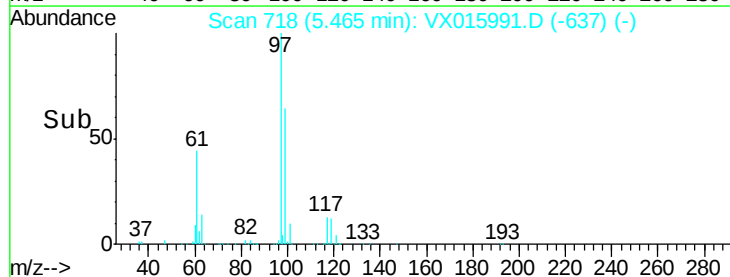
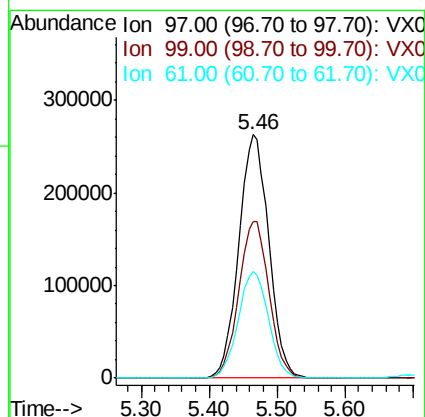
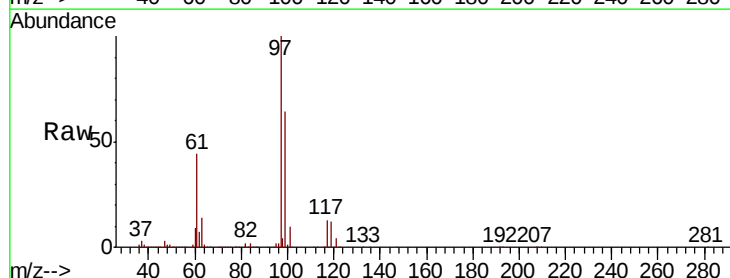
Tgt Ion: 97 Resp: 806676

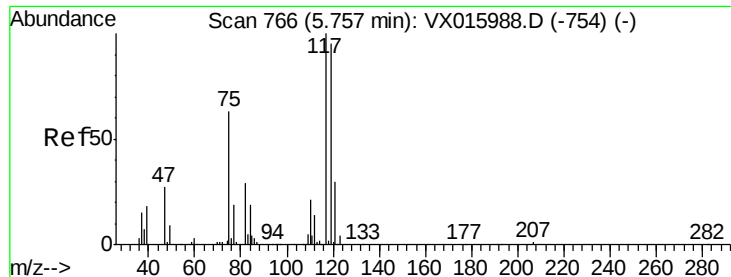
Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

61 44.2 35.9 53.9





#33

Carbon Tetrachloride

Concen: 153.050 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX015991.D

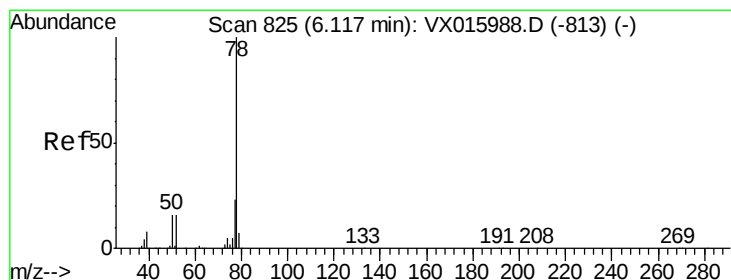
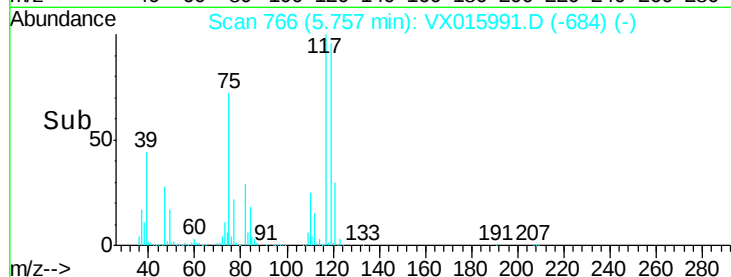
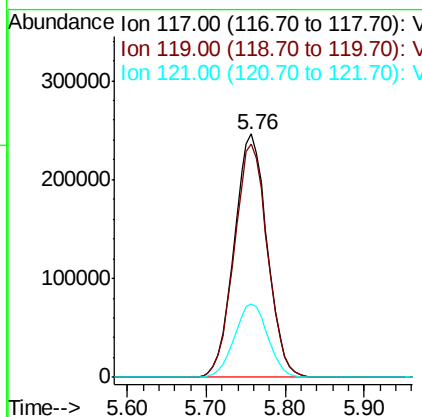
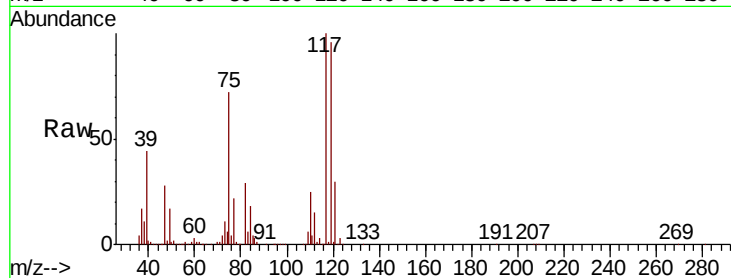
Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	117	Resp:	716177
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.1	24.2	36.4



#34

Benzene

Concen: 158.176 ug/l

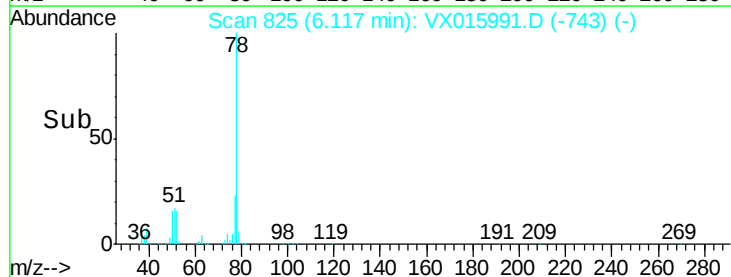
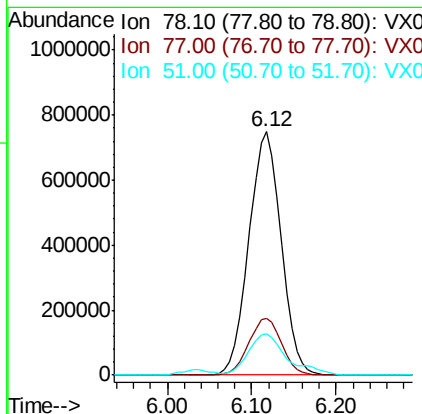
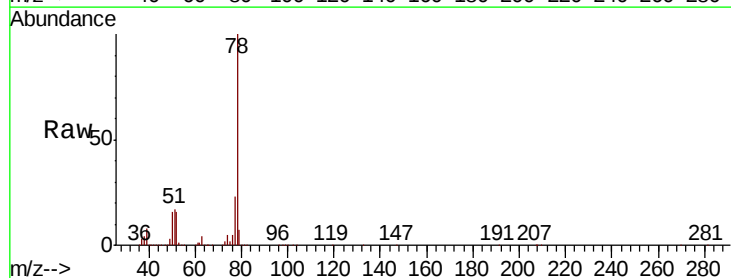
RT: 6.12 min Scan# 825

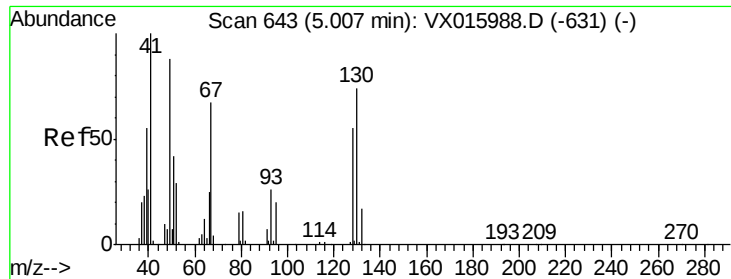
Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:	78	Resp:	1945324
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1
51	16.6	12.7	19.1

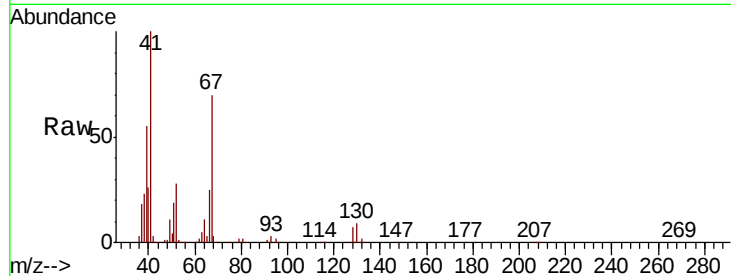




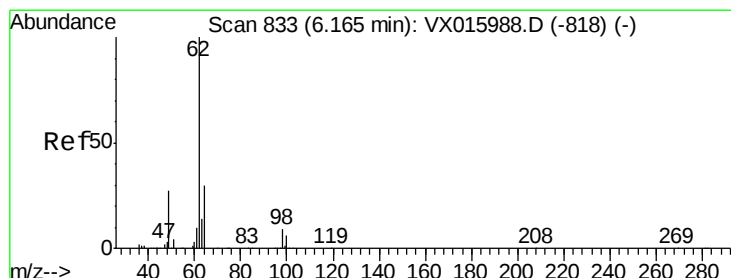
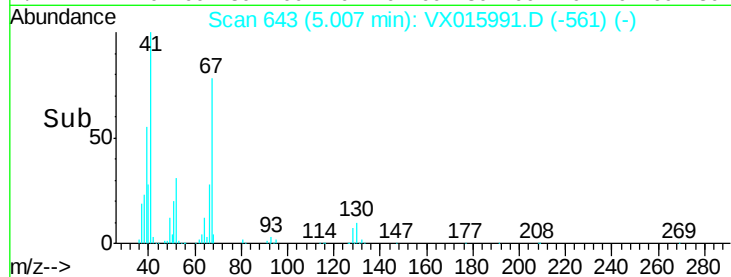
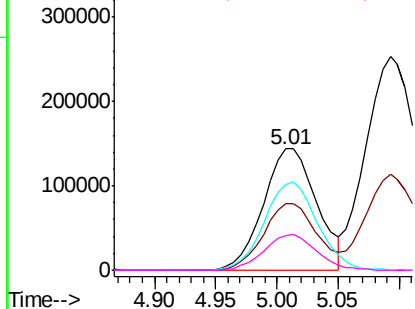
#35
Methacrylonitrile
Concen: 155.492 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	435888
Ion	Ratio	Lower	Upper
41	100		
39	54.9	27.5	82.4
67	70.5	33.6	100.6
52	28.0	14.5	43.5

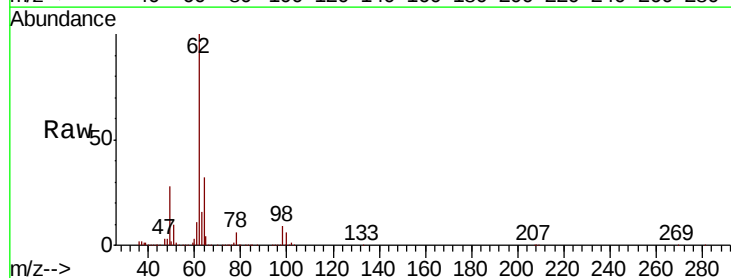


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

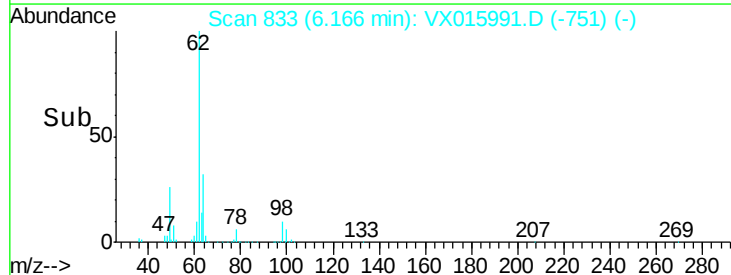
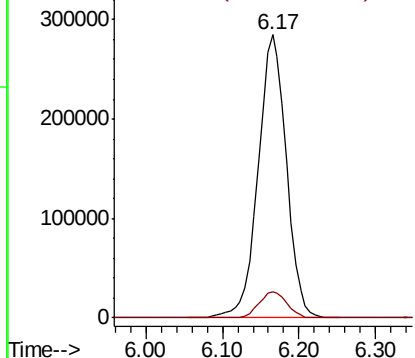


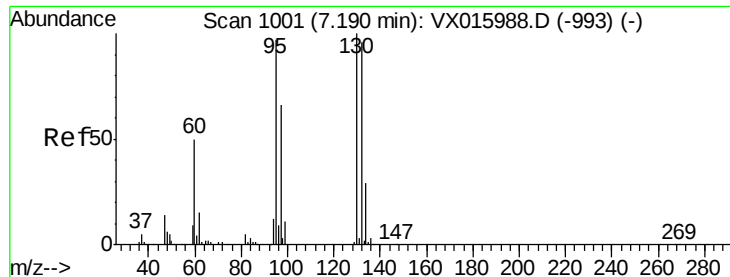
#36
1,2-Dichloroethane
Concen: 155.990 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion:	62	Resp:	732917
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

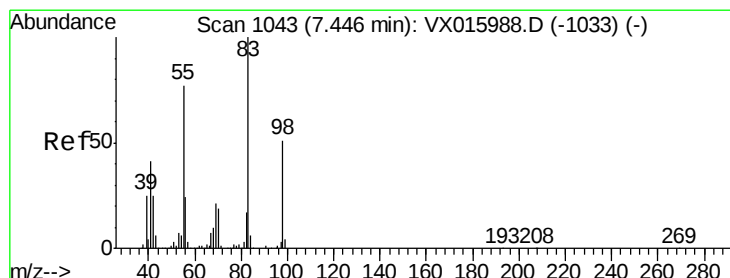
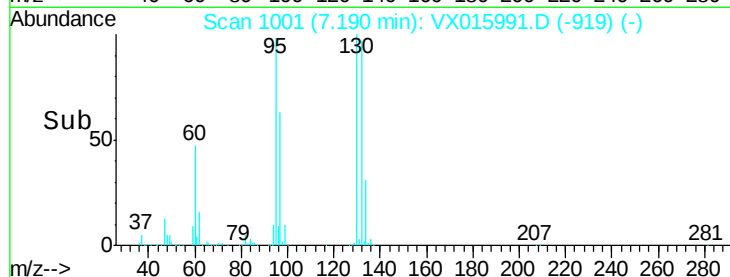
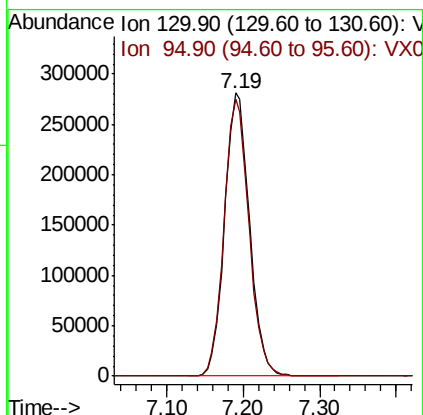
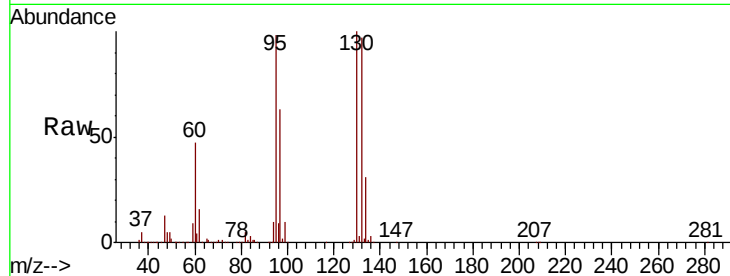




#37
 Trichloroethene
 Concen: 163.097 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

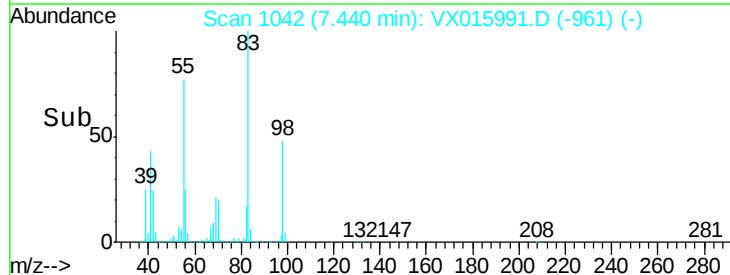
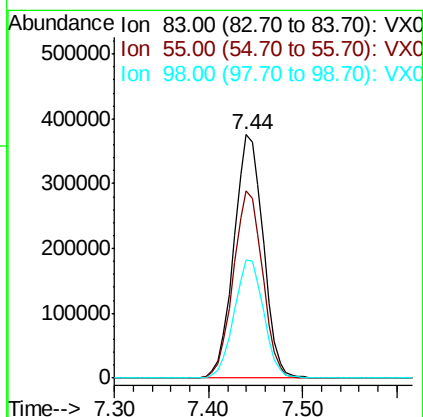
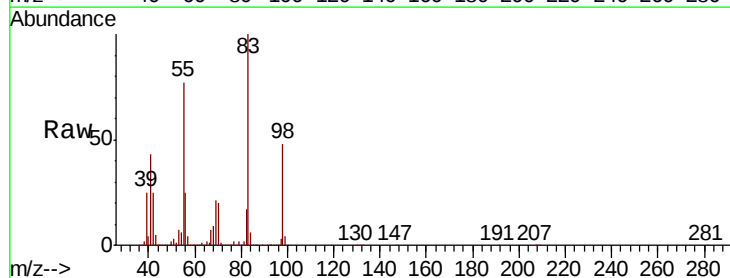
Instrument :
 MSVOA_X
 ClientSampleId :

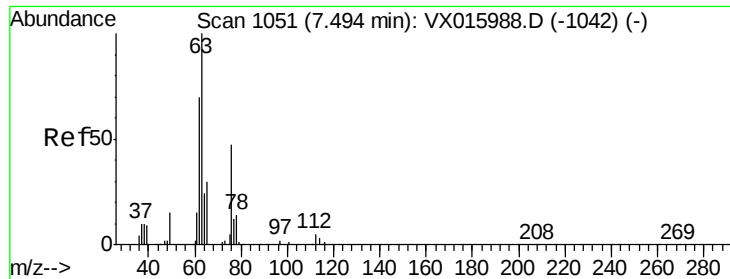
Tot Ion:130 Resp: 632408
 Ion Ratio Lower Upper
 130 100
 95 98.0 77.8 116.8



#38
 Methylcyclohexane
 Concen: 157.005 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion: 83 Resp: 814516
 Ion Ratio Lower Upper
 83 100
 55 76.7 38.8 116.4
 98 49.0 25.1 75.3

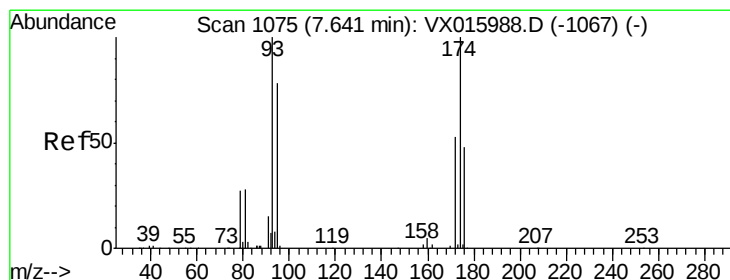
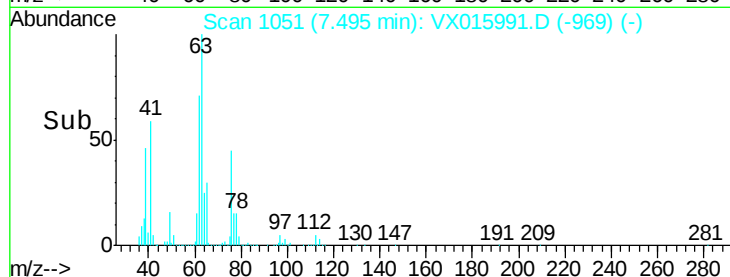
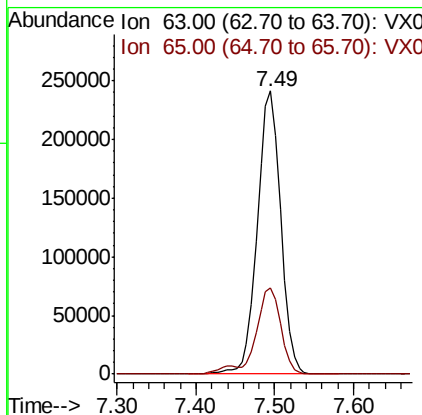
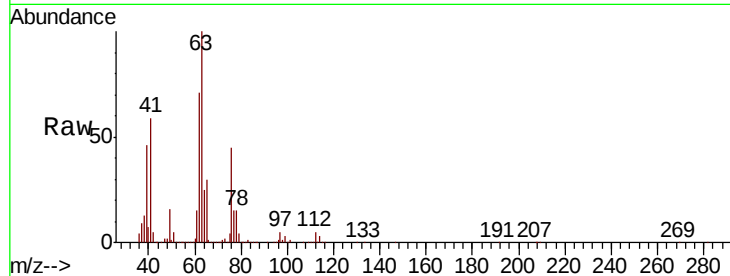




#39
 1,2-Dichloropropane
 Concen: 153.175 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

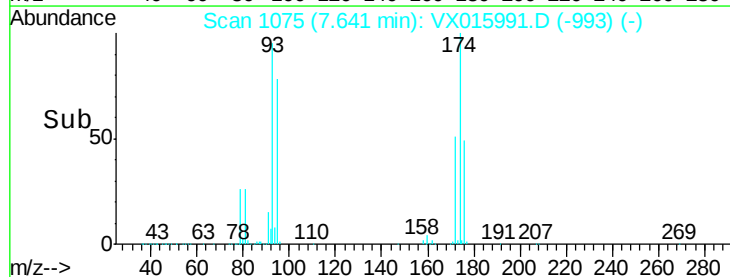
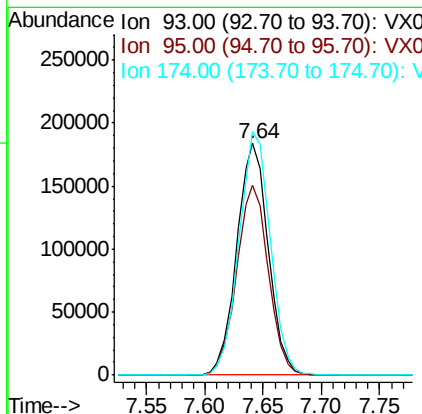
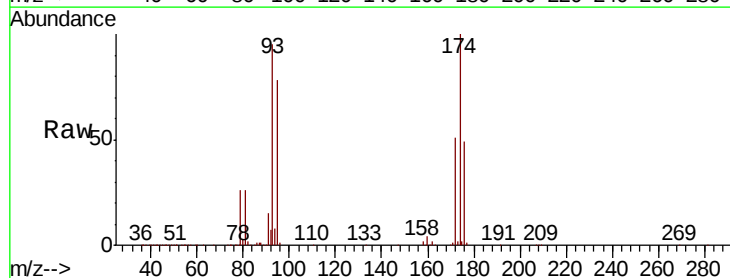
Instrument :
 MSVOA_X
 ClientSampled :

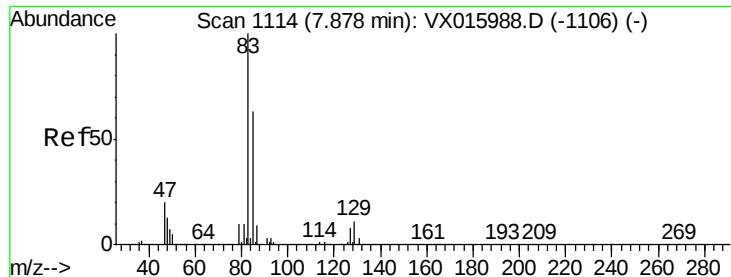
Tot Ion: 63 Resp: 496819
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.9 38.9



#40
 Dibromomethane
 Concen: 157.725 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion: 93 Resp: 347247
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 162.8
 174 104.9 0.0 204.0





#41

Bromodichloromethane

Concen: 157.076 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

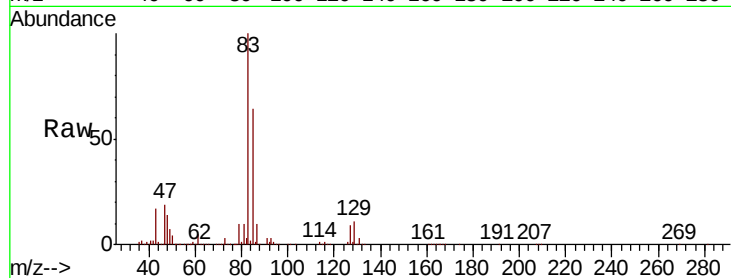
Tot Ion: 83 Resp: 732265

Ion Ratio Lower Upper

83 100

85 63.6 50.4 75.6

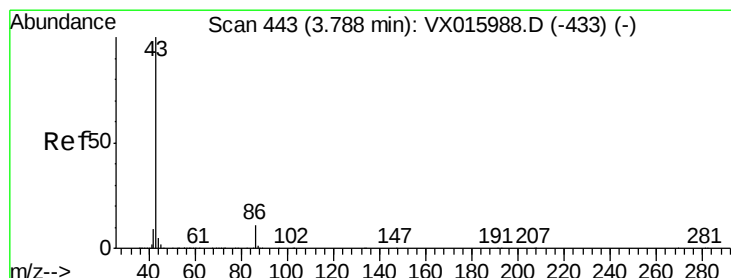
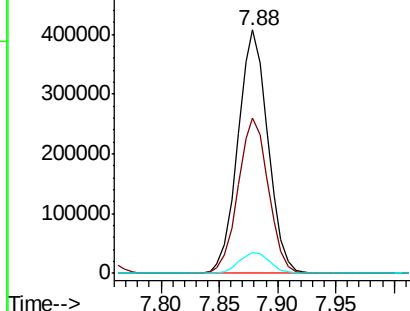
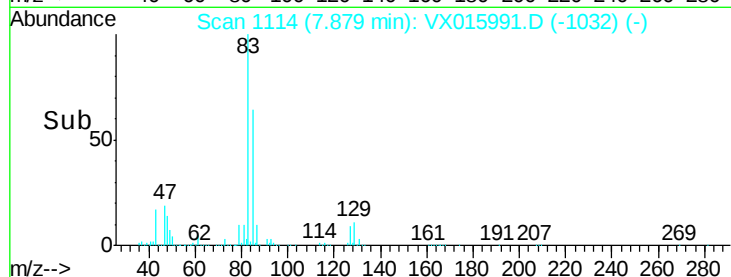
127 8.8 6.7 10.1



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: 739.424 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015991.D

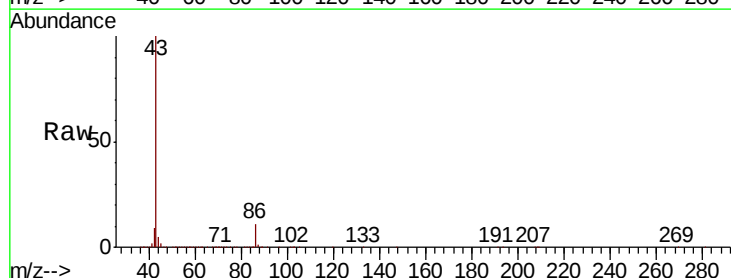
Acq: 30 Apr 2020 12:02

Tgt Ion: 43 Resp: 6630753

Ion Ratio Lower Upper

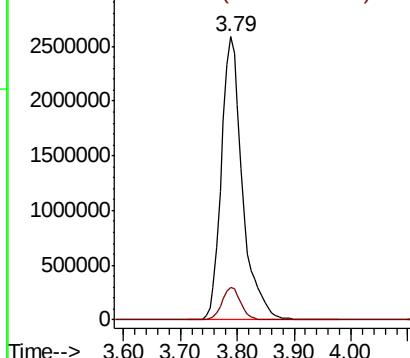
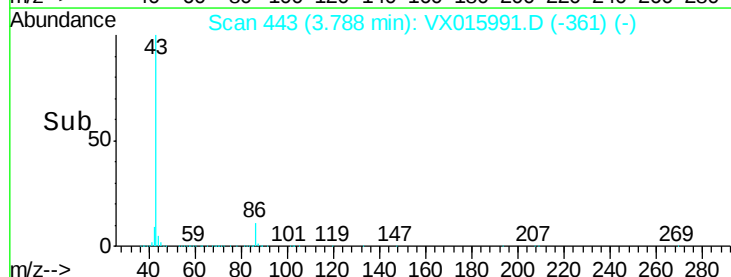
43 100

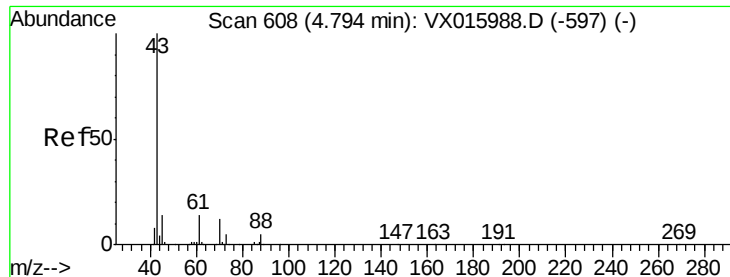
86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

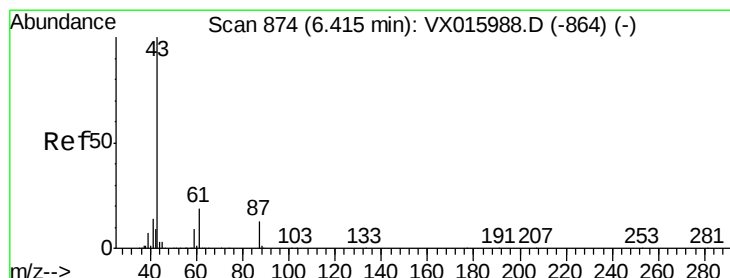
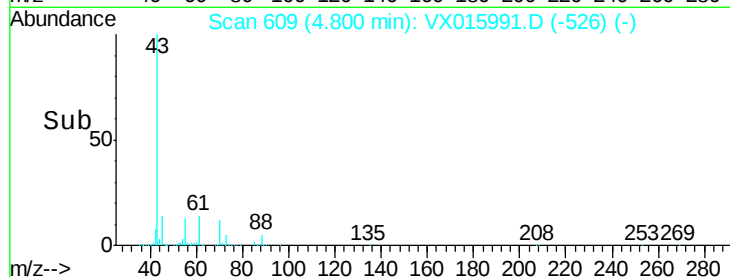
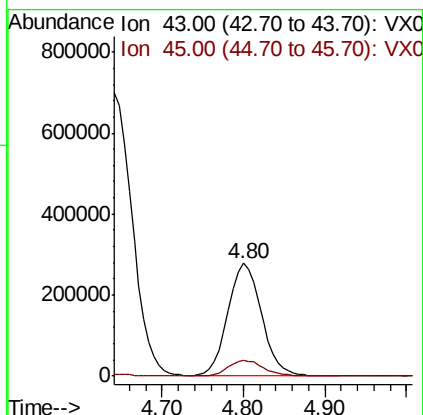
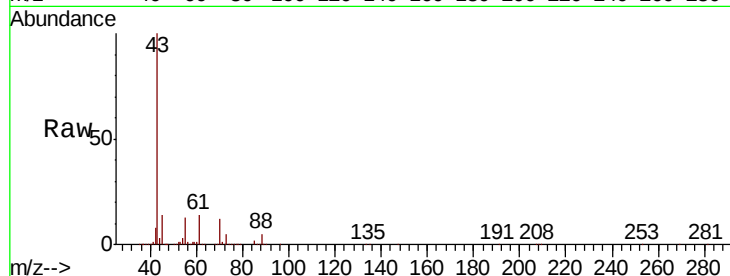




#43
Ethyl Acetate
Concen: 145.597 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

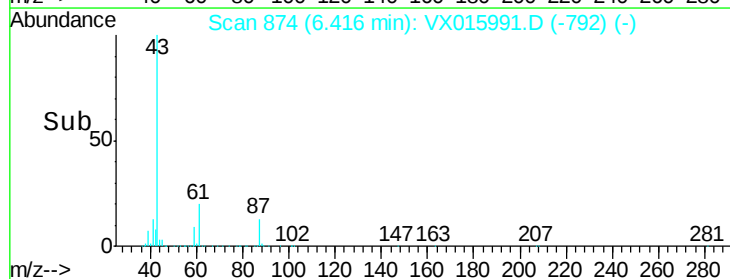
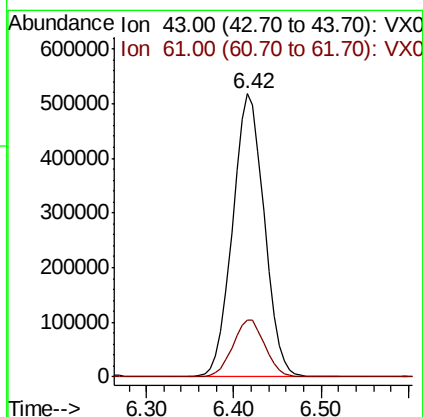
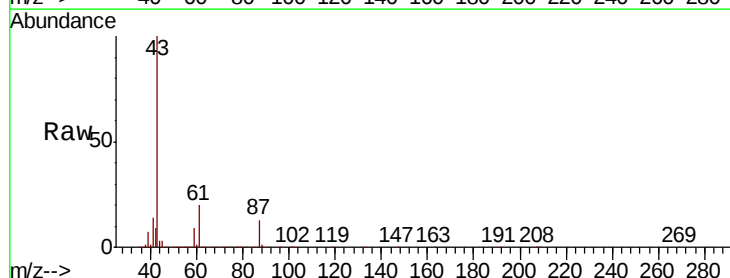
Instrument :
MSVOA_X
ClientSampleId :

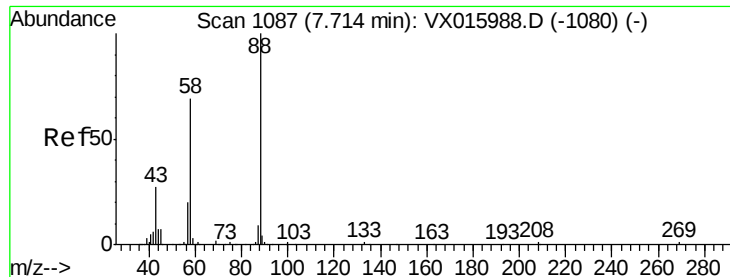
Tot Ion: 43 Resp: 794188
Ion Ratio Lower Upper
43 100
45 14.8 11.9 17.9



#44
Isopropyl Acetate
Concen: 151.558 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 43 Resp: 1297370
Ion Ratio Lower Upper
43 100
61 20.4 16.1 24.1

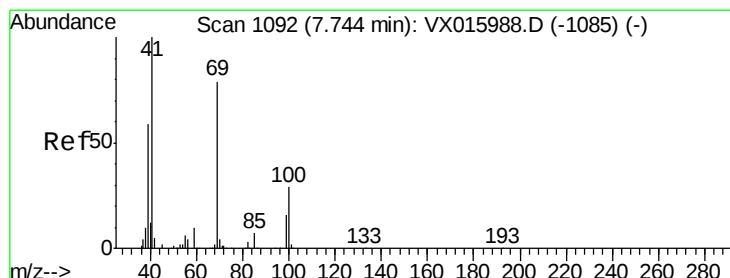
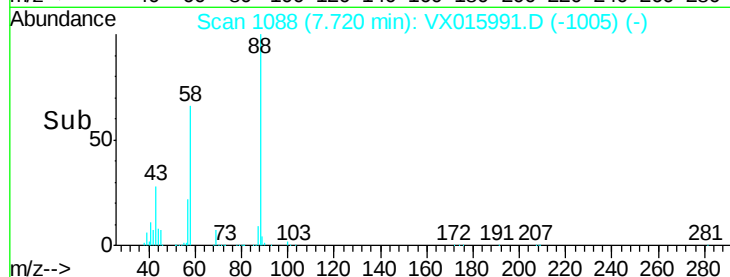
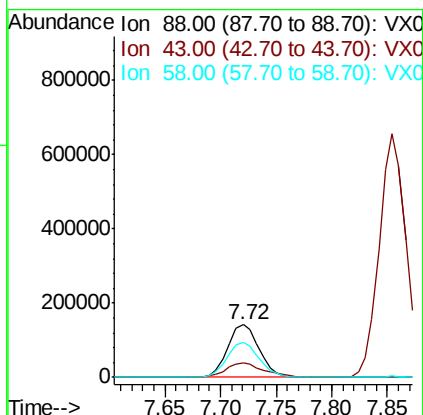
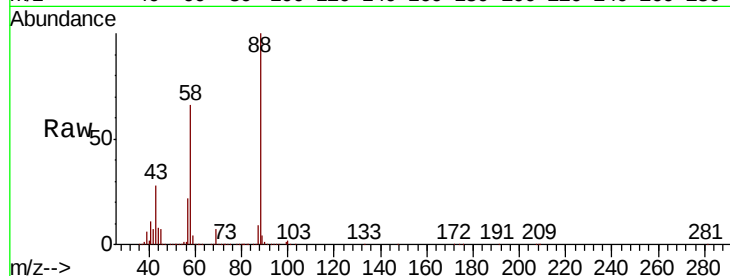




#45
1,4-Dioxane
Concen: 3357.999 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

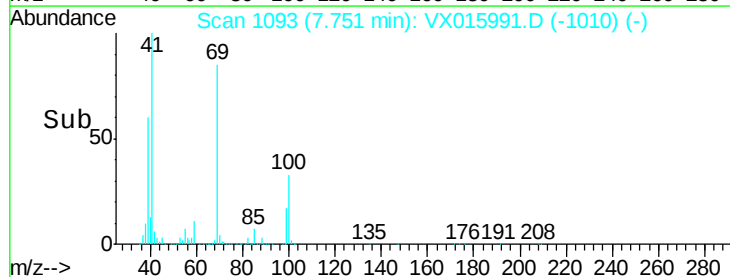
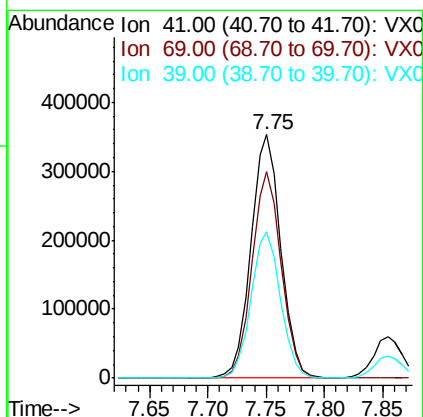
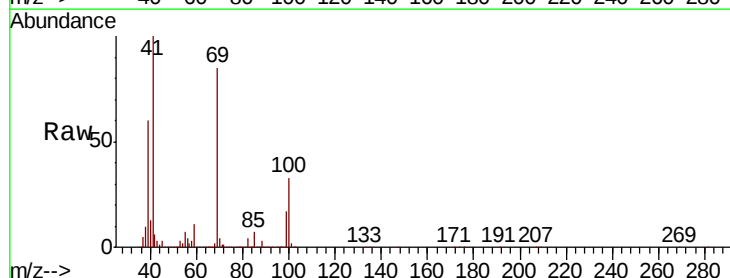
Instrument :
MSVOA_X
ClientSampleId :

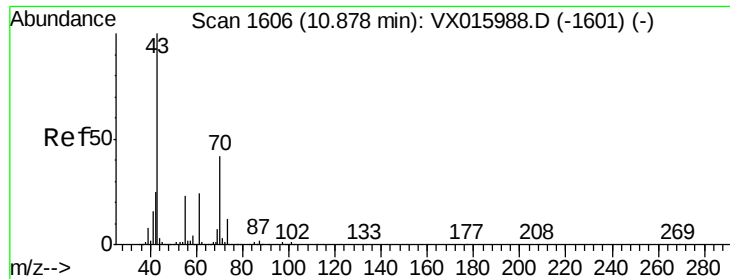
Tot Ion	88	Resp	277412
Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.3	39.5
58	68.8	57.0	85.6



#46
Methyl methacrylate
Concen: 150.193 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	41	Resp	628925
Ion	Ratio	Lower	Upper
41	100		
69	84.8	39.5	118.5
39	60.2	29.6	88.9





#47

n-amvl Acetate

Concen: 158.143 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

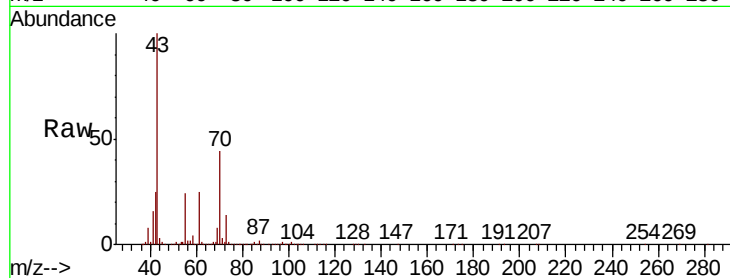
ClientSampleId :

Tot Ion: 43 Resp: 1176490

Ion Ratio Lower Upper

43 100

55 23.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

1200000

1000000

800000

600000

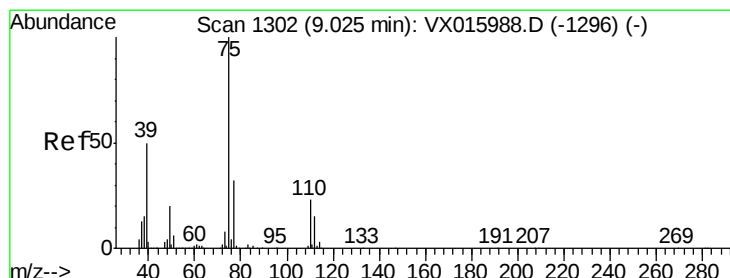
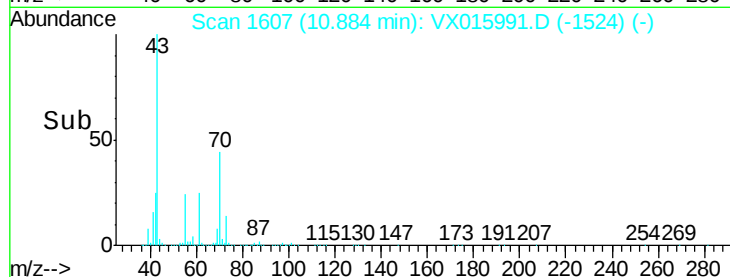
400000

200000

0

10.85 10.90 10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 160.764 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015991.D

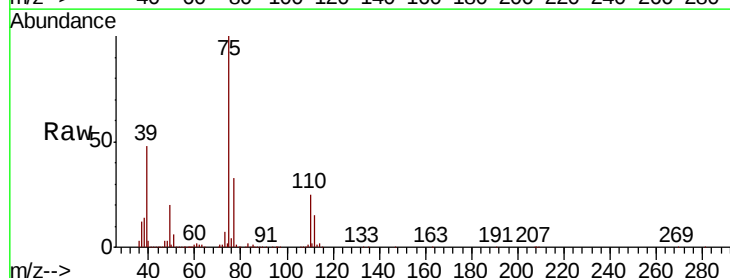
Acq: 30 Apr 2020 12:02

Tgt Ion: 75 Resp: 866527

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

600000

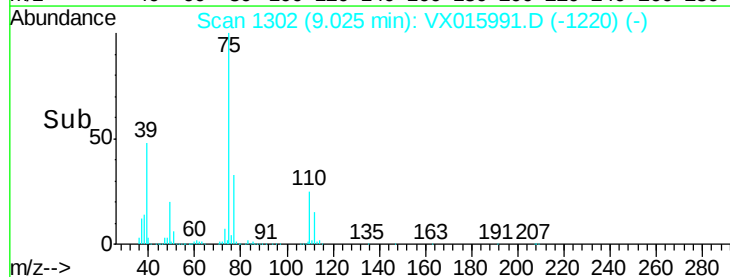
400000

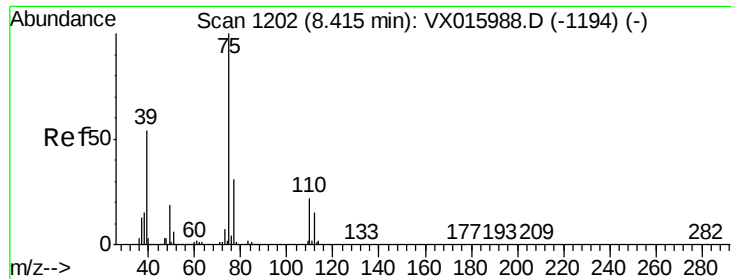
200000

0

8.95 9.00 9.05 9.10 9.15

Time-->



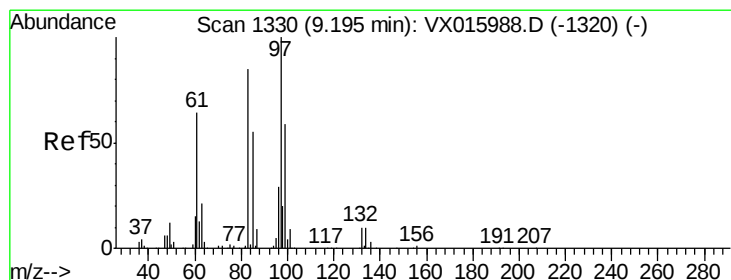
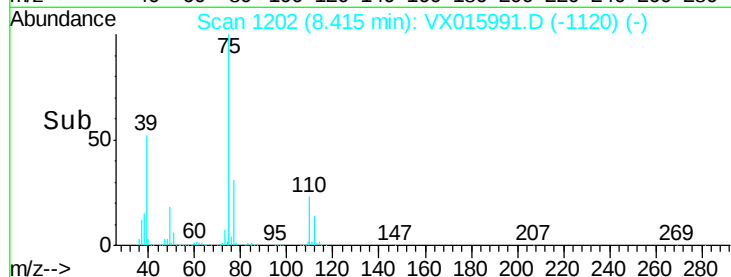
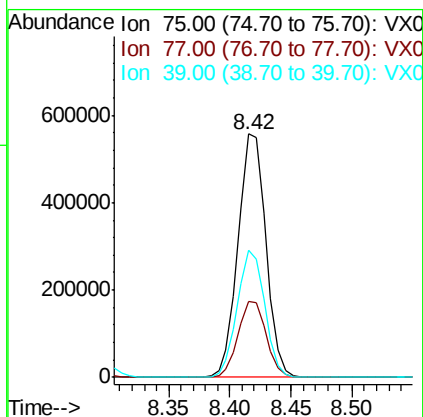
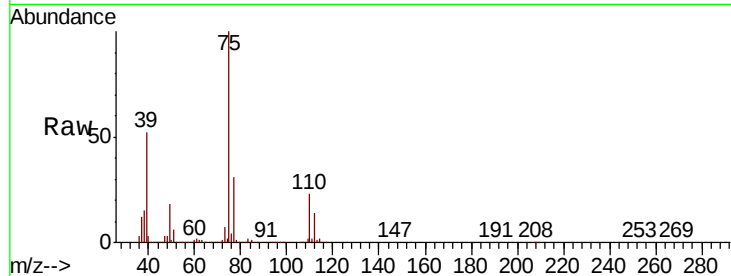


#49

cis-1,3-Dichloropropene
Concen: 157.978 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :

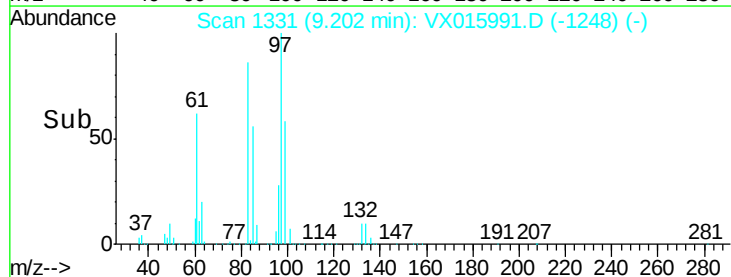
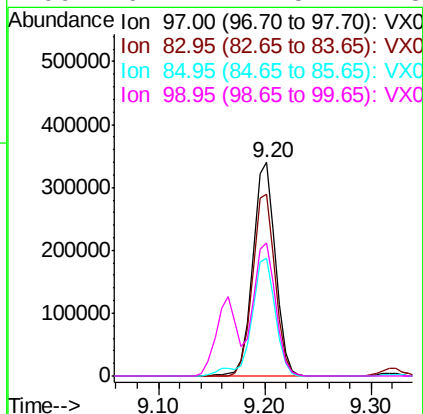
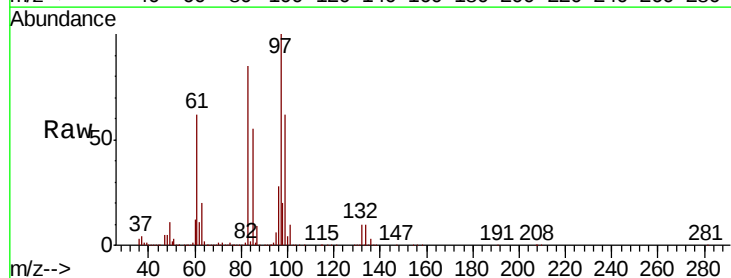
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	52.4	43.2	64.8

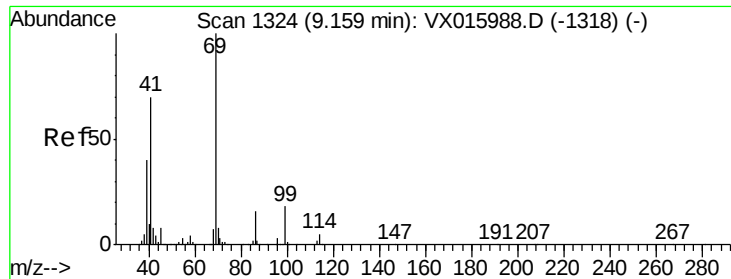


#50

1,1,2-Trichloroethane
Concen: 162.021 ug/l
RT: 9.20 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.7	101.5
85	54.9	43.7	65.5
99	62.2	47.5	71.3





#51

Ethyl methacrylate

Concen: 165.169 ug/l

RT: 9.17 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :

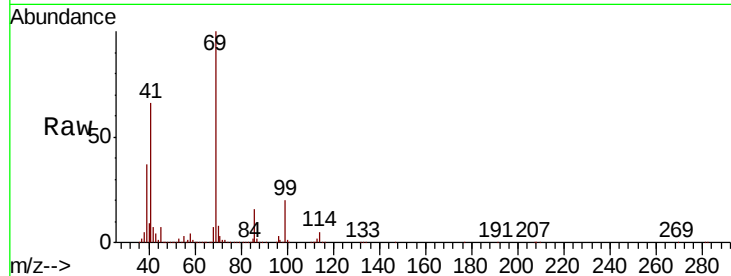
Tot Ion: 69 Resp: 870273

Ion Ratio Lower Upper

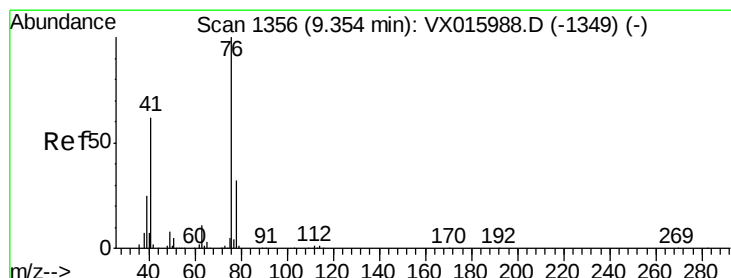
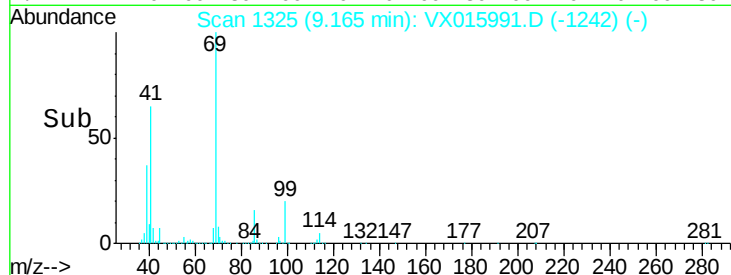
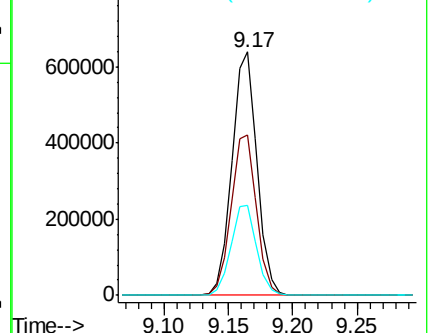
69 100

41 65.6 34.8 104.4

39 37.0 19.8 59.4



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: 157.884 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015991.D

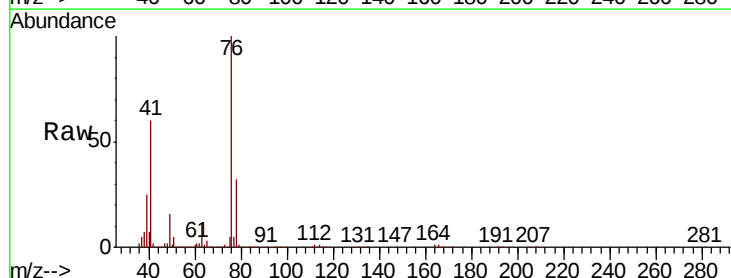
Acq: 30 Apr 2020 12:02

Tgt Ion: 76 Resp: 851848

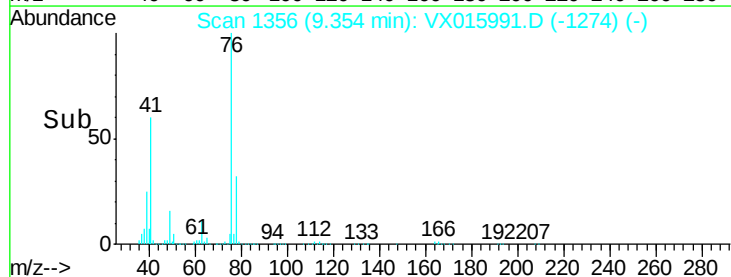
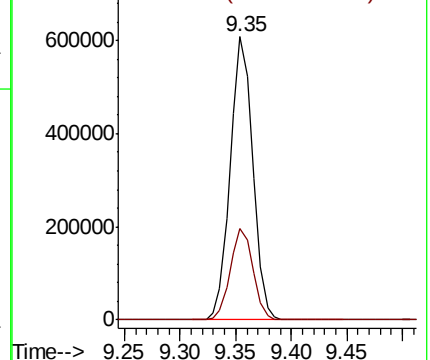
Ion Ratio Lower Upper

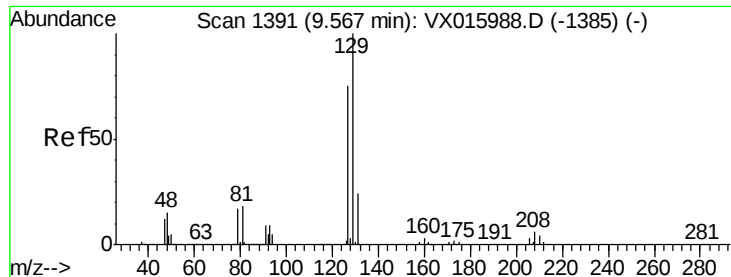
76 100

78 32.4 0.0 64.2



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

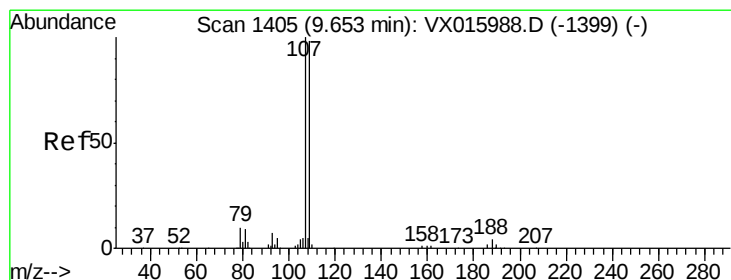
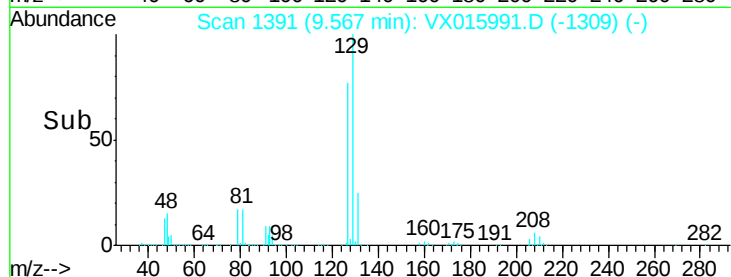
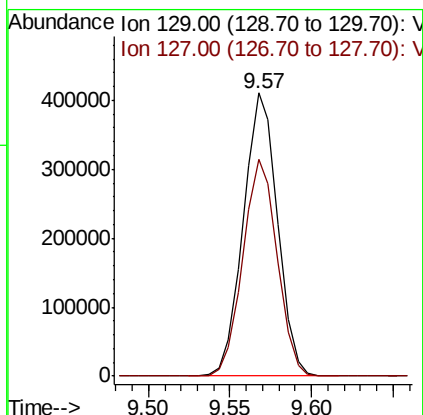
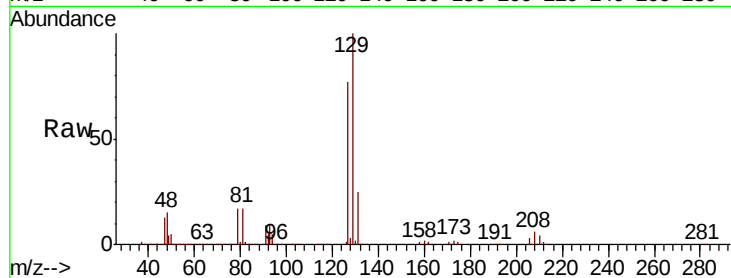




#53
 Dibromochloromethane
 Concen: 160.427 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

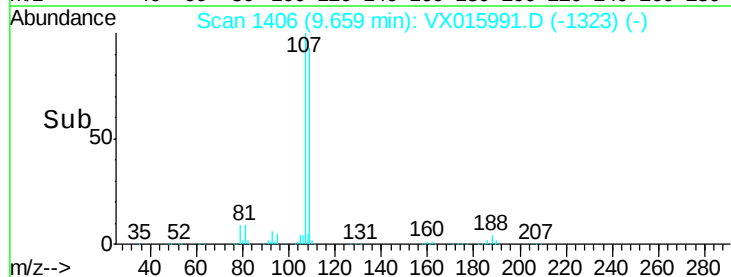
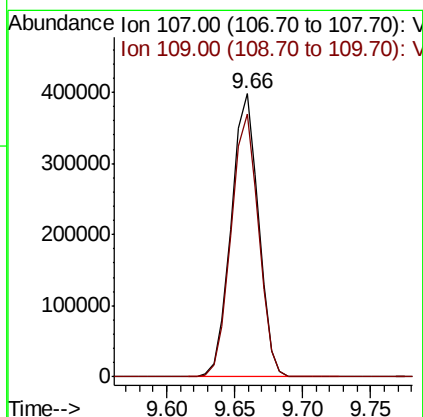
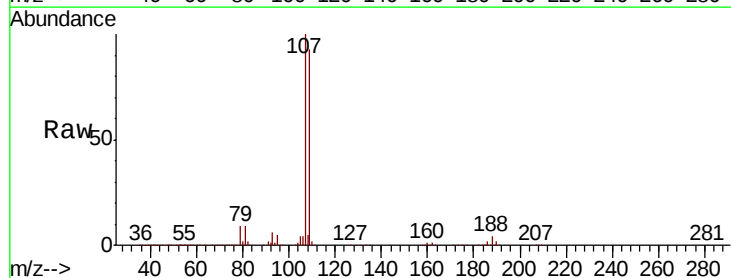
Instrument :
 MSVOA_X
 ClientSampleId :

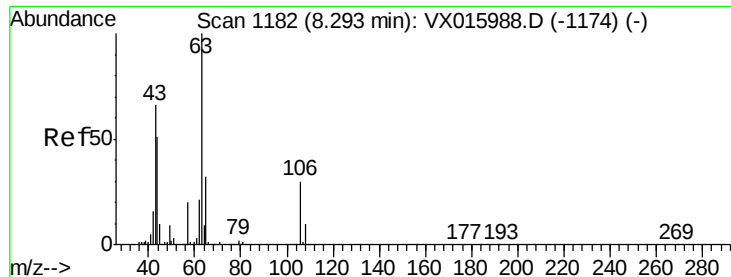
Tot Ion:129 Resp: 599784
 Ion Ratio Lower Upper
 129 100
 127 76.8 38.3 114.9



#54
 1,2-Dibromoethane
 Concen: 164.666 ug/l
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:107 Resp: 556962
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.7 112.1

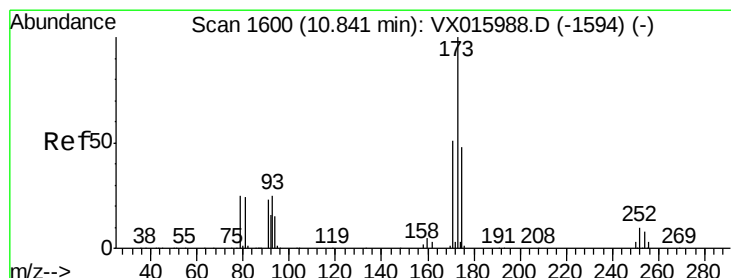
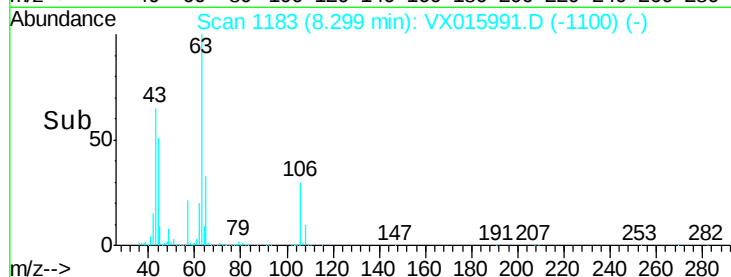
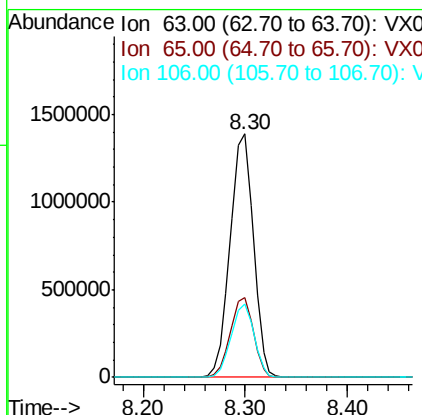
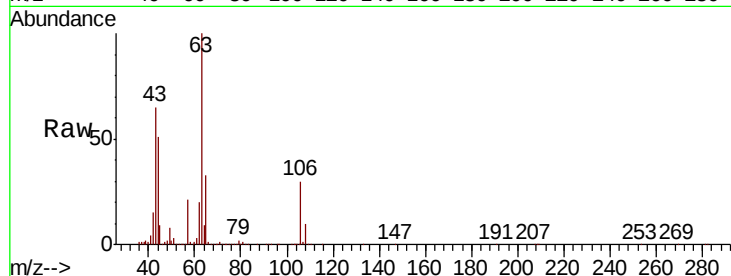




#55
2-Chloroethyl vinyl ether
Concen: 850.594 ug/l
RT: 8.30 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

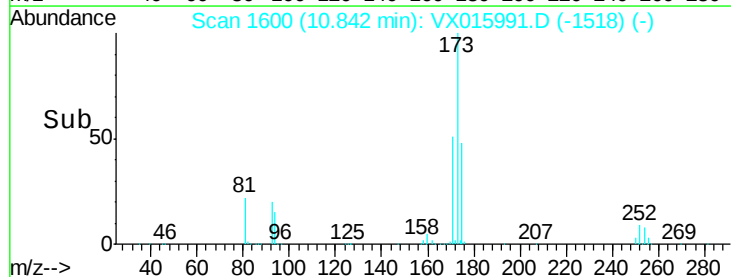
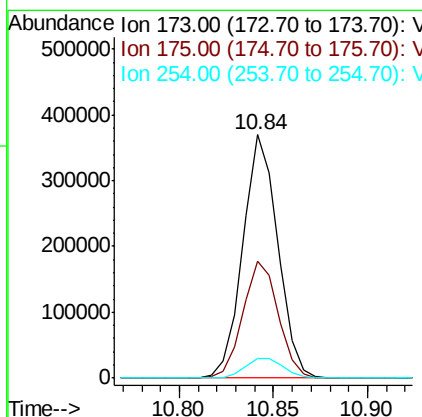
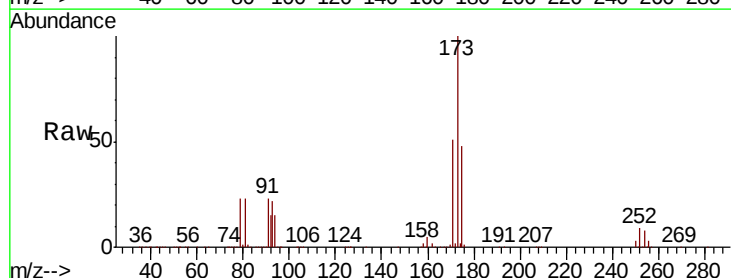
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 2190337
Ion Ratio Lower Upper
63 100
65 32.6 25.6 38.4
106 29.6 23.4 35.0



#56
Bromoform
Concen: 159.594 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 173 Resp: 474479
Ion Ratio Lower Upper
173 100
175 48.8 38.0 57.0
254 9.1 6.8 10.2

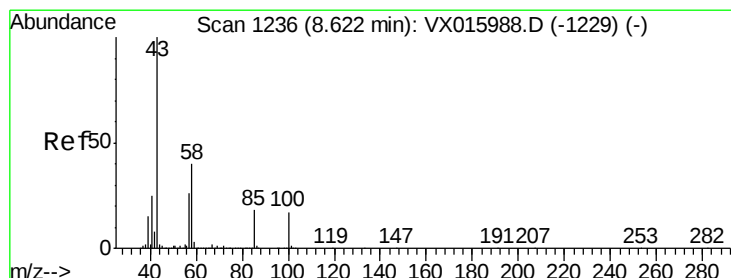
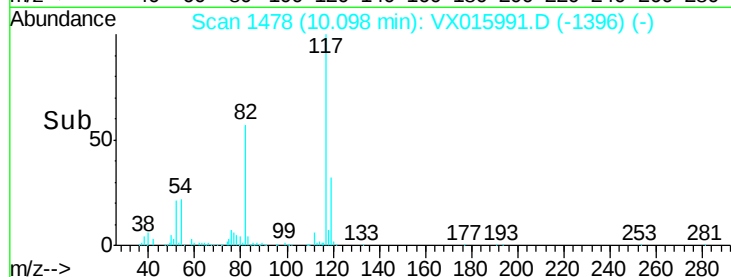
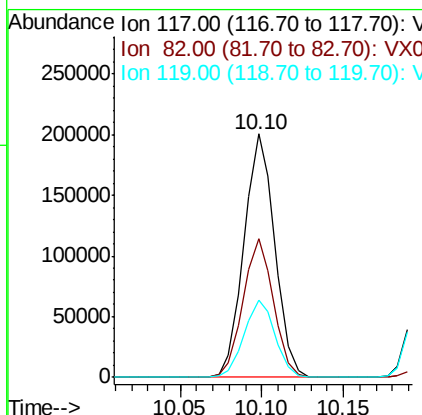
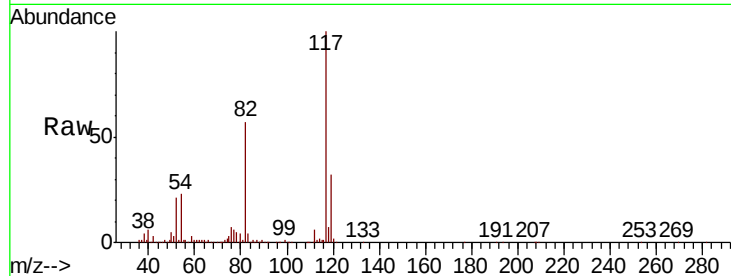




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

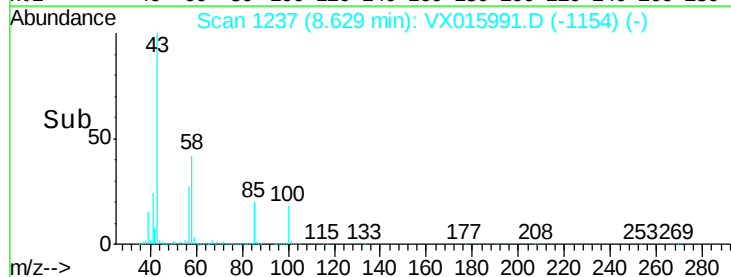
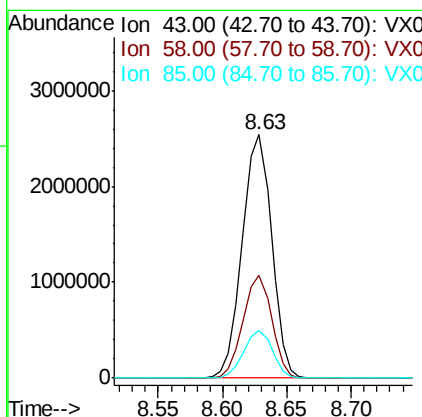
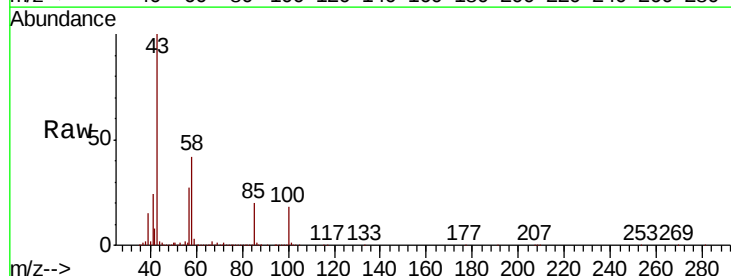
Instrument :
MSVOA_X
ClientSampled :

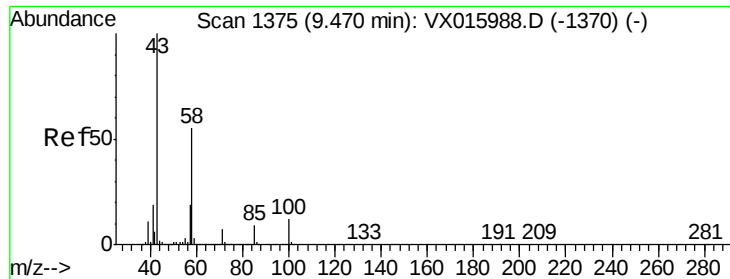
Tot Ion:117 Resp: 264040
Ion Ratio Lower Upper
117 100
82 56.2 45.1 67.7
119 32.1 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 798.766 ug/l
RT: 8.63 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 43 Resp: 4011749
Ion Ratio Lower Upper
43 100
58 41.4 31.8 47.6
85 19.2 14.5 21.7

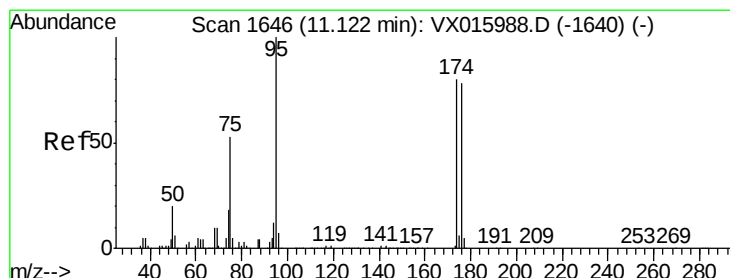
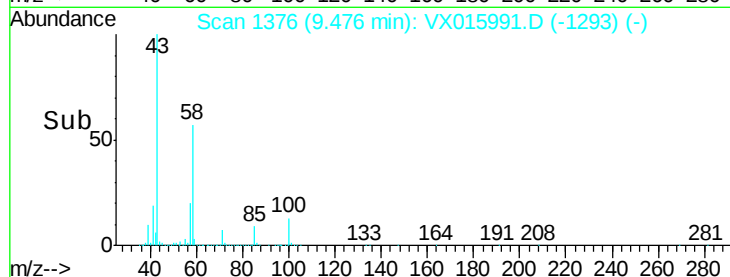
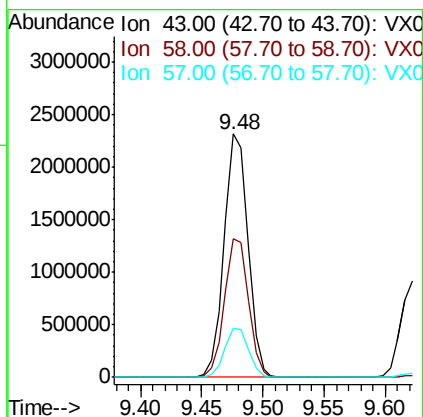
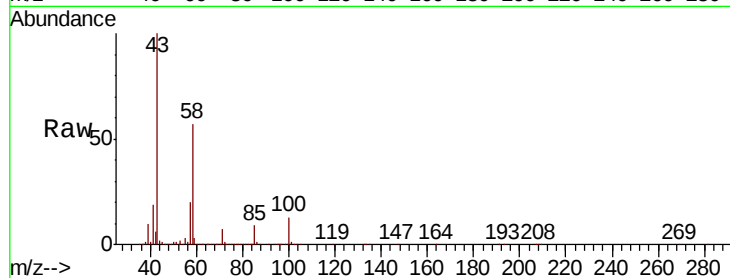




#59
2-Hexanone
Concen: 813.142 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

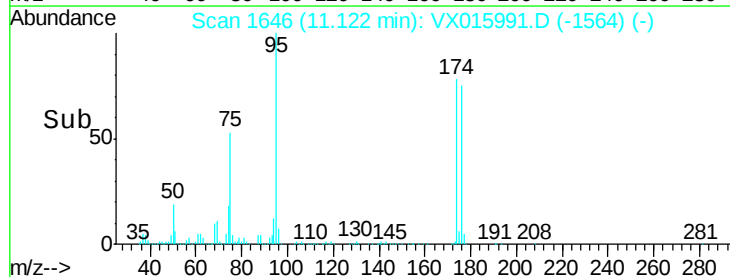
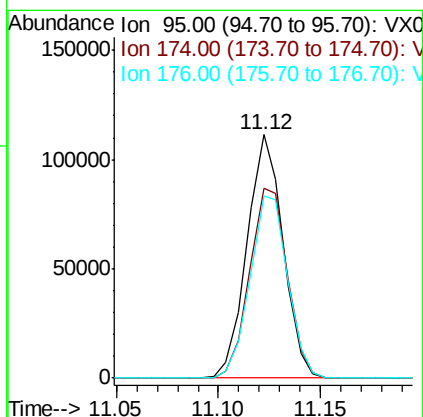
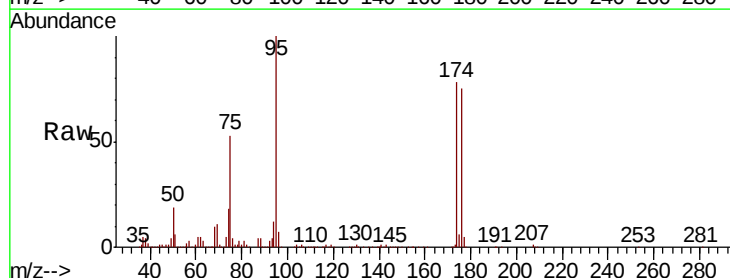
Instrument :
MSVOA_X
ClientSampled :

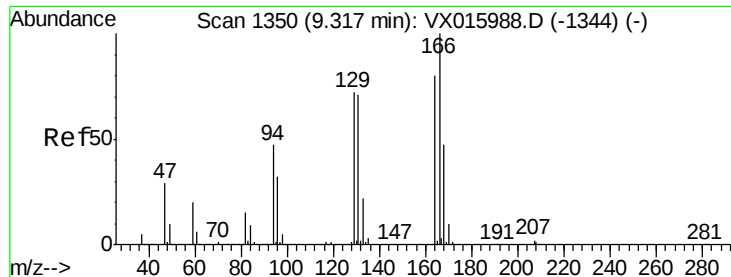
Tot Ion: 43 Resp: 3128296
Ion Ratio Lower Upper
43 100
58 57.2 44.0 66.0
57 20.3 15.5 23.3



#60
4-Bromofluorobenzene
Concen: 30.617 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 95 Resp: 136886
Ion Ratio Lower Upper
95 100
174 81.9 64.8 97.2
176 78.6 62.4 93.6





#61

Tetrachloroethene

Concen: 180.587 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 744311

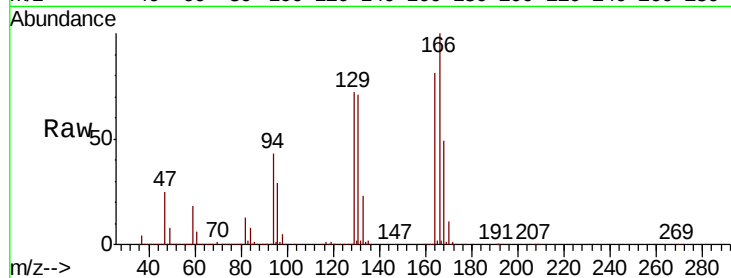
Ion Ratio Lower Upper

164 100

166 123.0 100.1 150.1

129 89.0 72.2 108.4

131 86.8 71.3 106.9

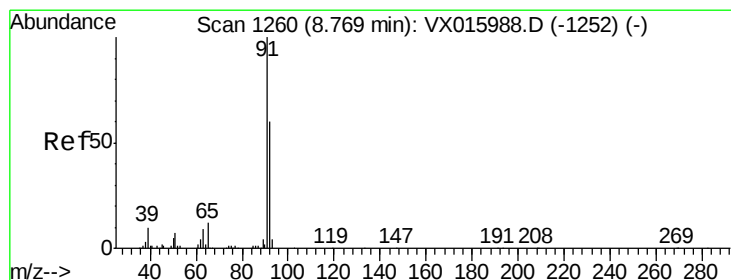
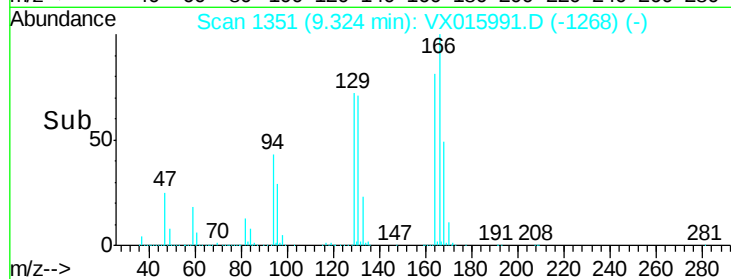
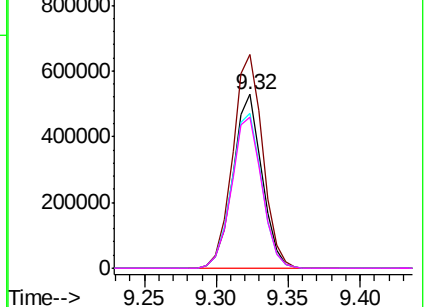


Abundance Ion 163.85 (163.55 to 164.55): V

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: 155.054 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015991.D

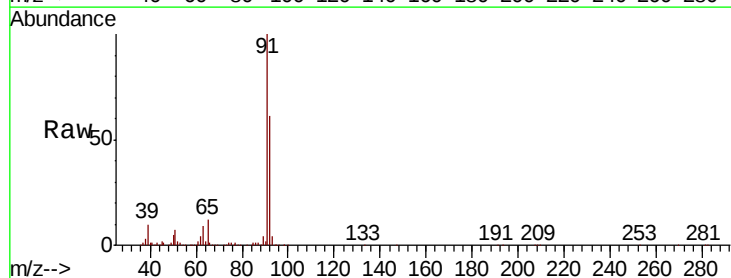
Acq: 30 Apr 2020 12:02

Tgt Ion: 91 Resp: 2095437

Ion Ratio Lower Upper

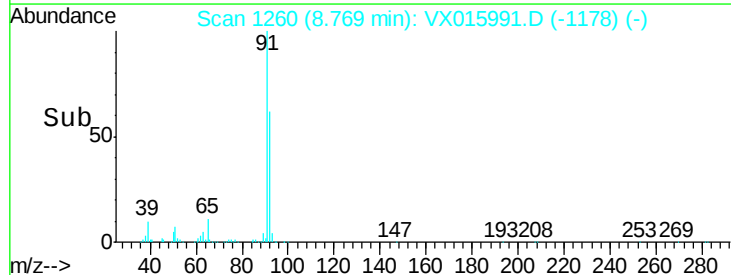
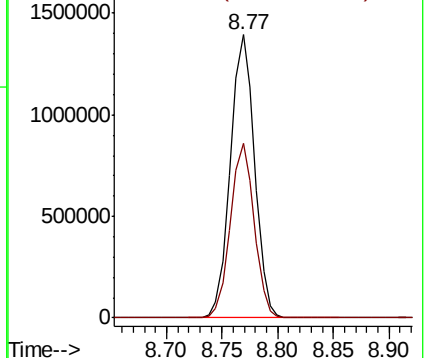
91 100

92 60.6 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.644 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

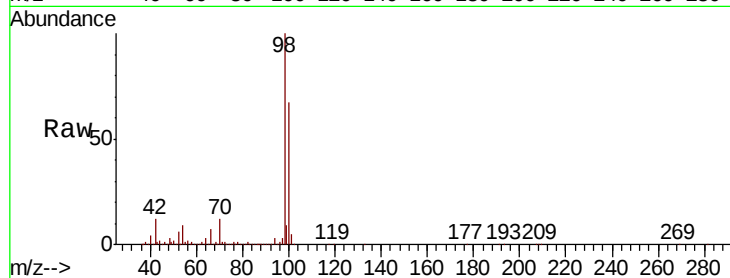
ClientSampleId :

Tot Ion: 98 Resp: 332988

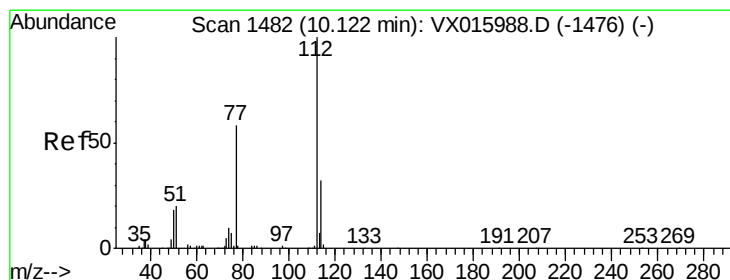
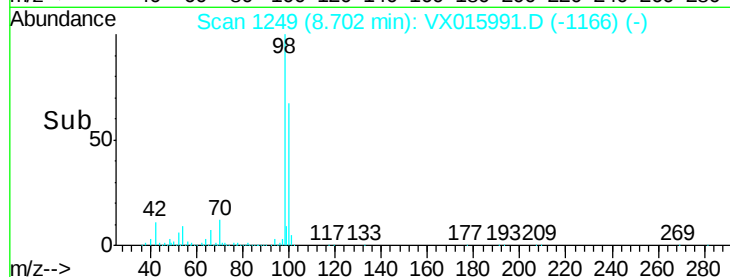
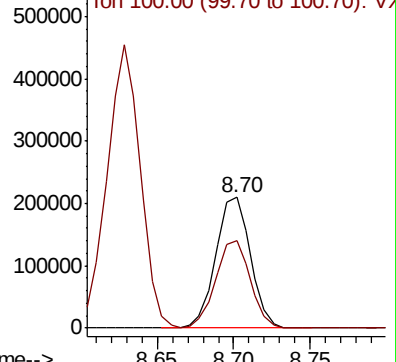
Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX015988.D (-1241) (-)



#64

Chlorobenzene

Concen: 156.669 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015991.D

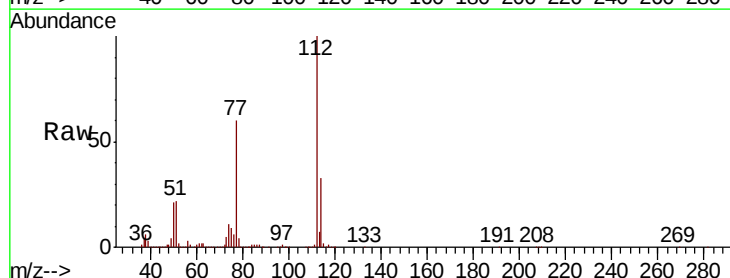
Acq: 30 Apr 2020 12:02

Tgt Ion: 112 Resp: 1361005

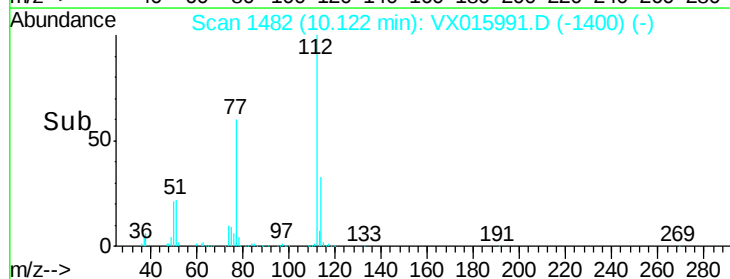
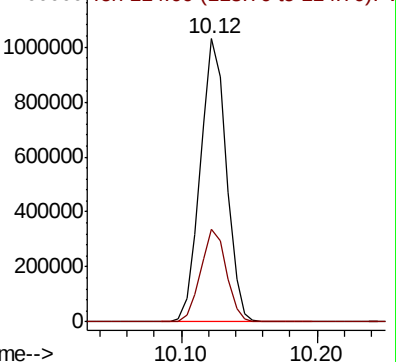
Ion Ratio Lower Upper

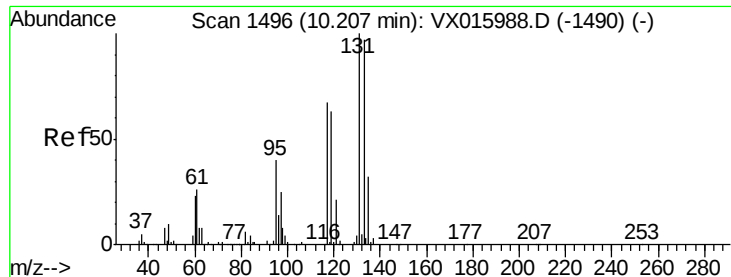
112 100

114 32.6 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): VX015988.D (-1476) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 153.413 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampled :

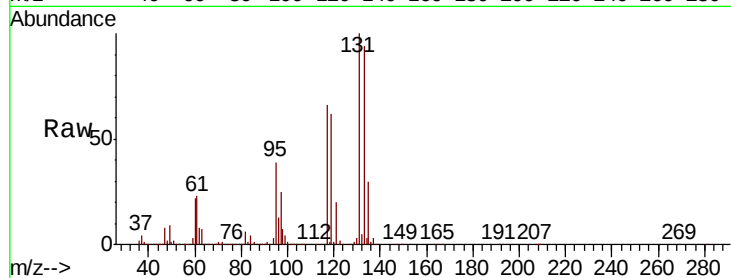
Tot Ion:131 Resp: 530413

Ion Ratio Lower Upper

131 100

133 95.7 0.0 187.0

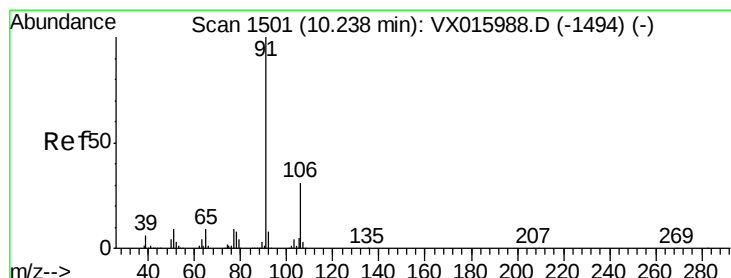
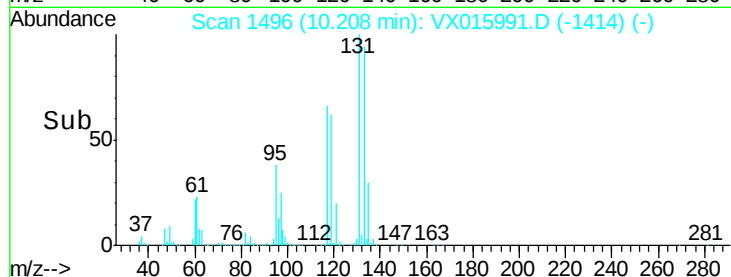
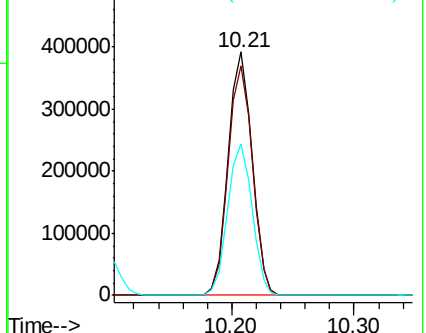
119 63.4 0.0 129.0



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: 159.115 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015991.D

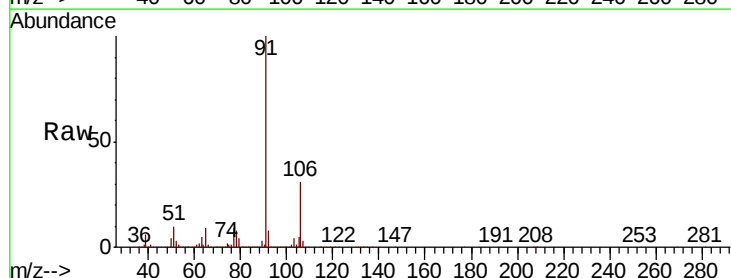
Acq: 30 Apr 2020 12:02

Tgt Ion: 91 Resp: 2446837

Ion Ratio Lower Upper

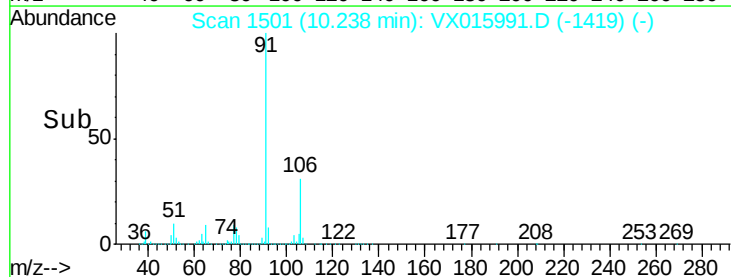
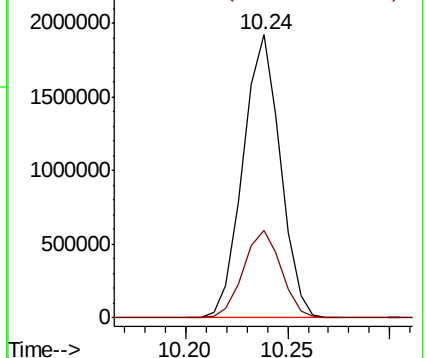
91 100

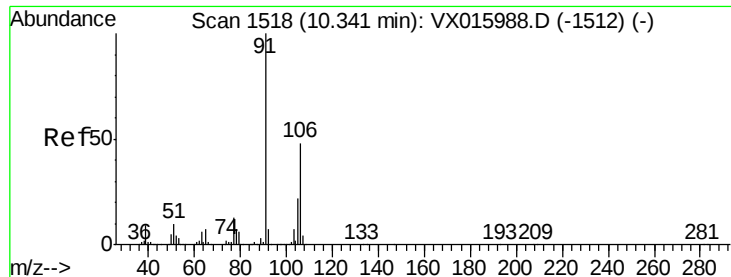
106 31.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

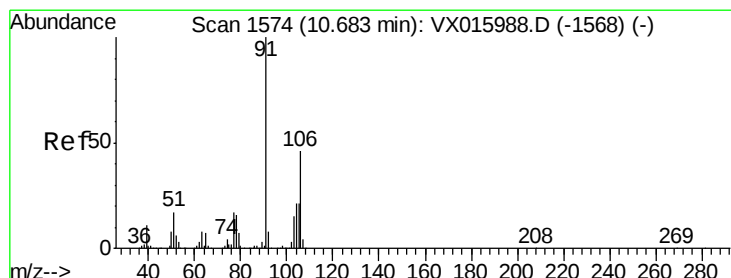
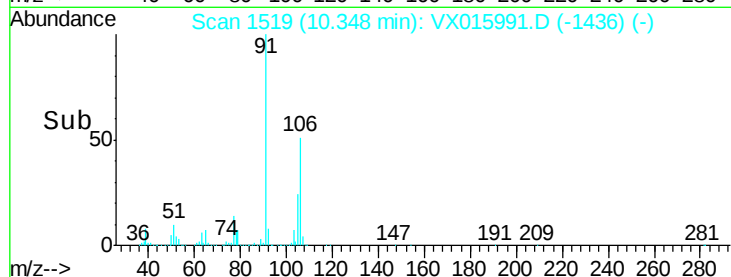
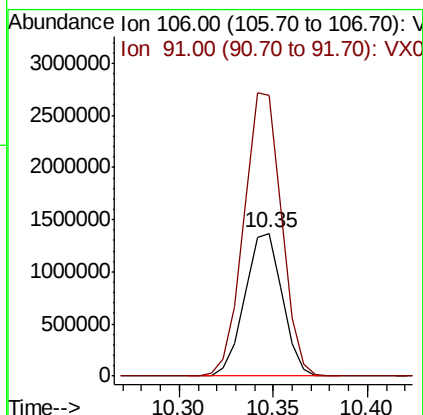
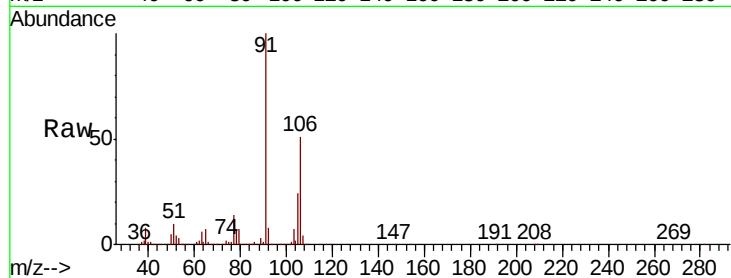




#67
m/p-Xvlenes
Concen: 322.193 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

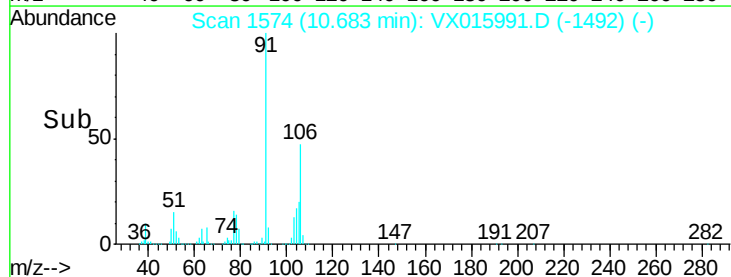
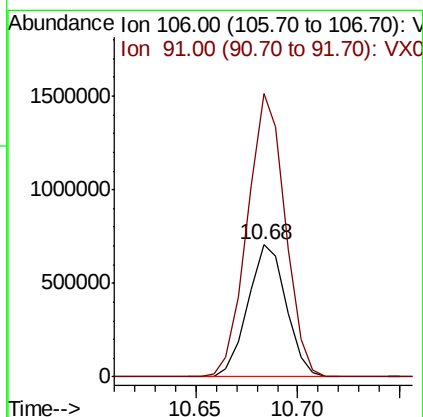
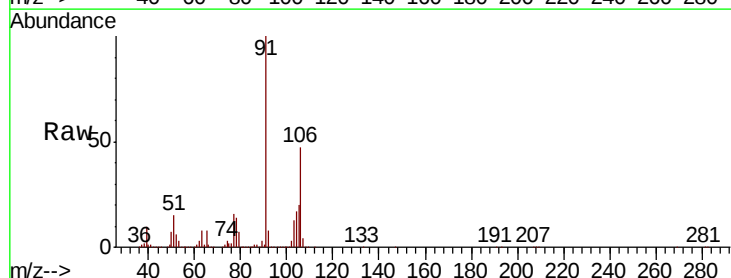
Instrument :
MSVOA_X
ClientSampleId :

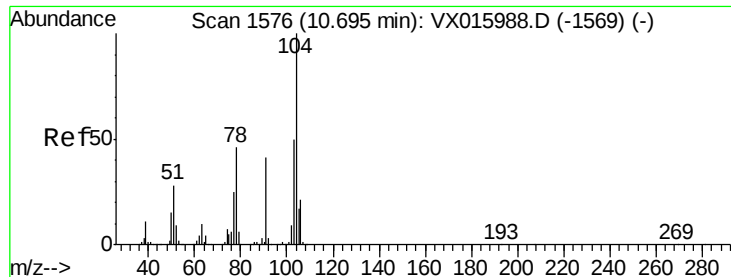
Tot Ion:106 Resp: 1885918
Ion Ratio Lower Upper
106 100
91 199.6 164.2 246.4



#68
o-Xylene
Concen: 162.334 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion:106 Resp: 921408
Ion Ratio Lower Upper
106 100
91 211.9 108.3 325.0

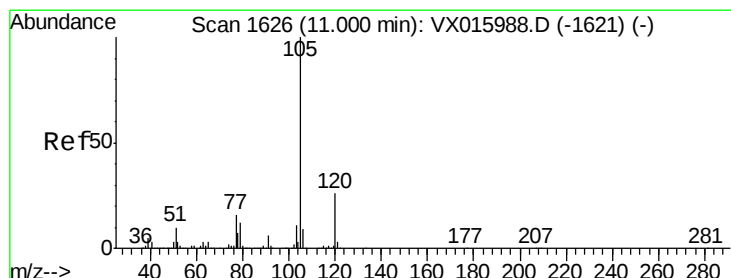
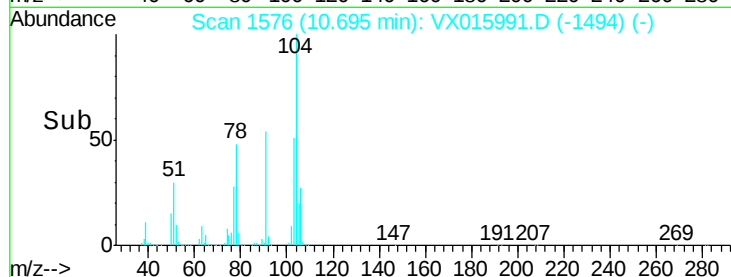
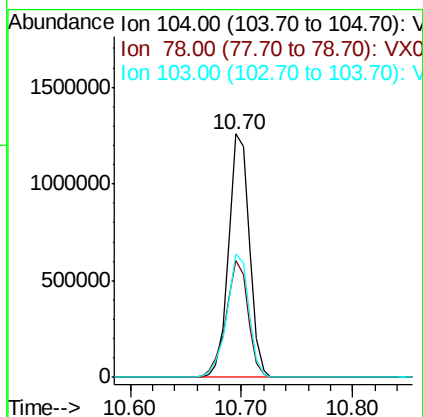
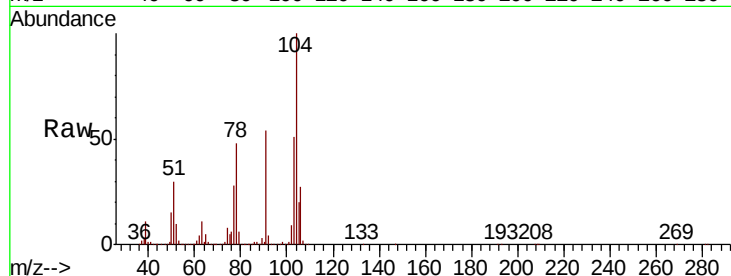




#69
Stvrene
Concen: 164.937 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

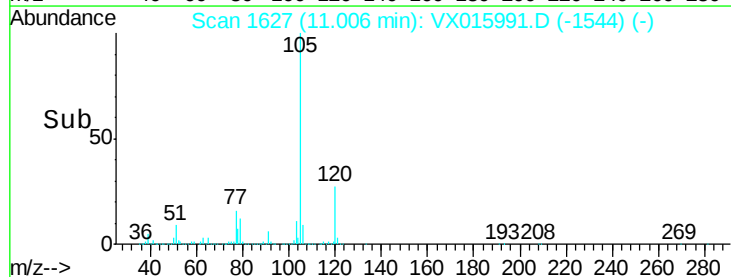
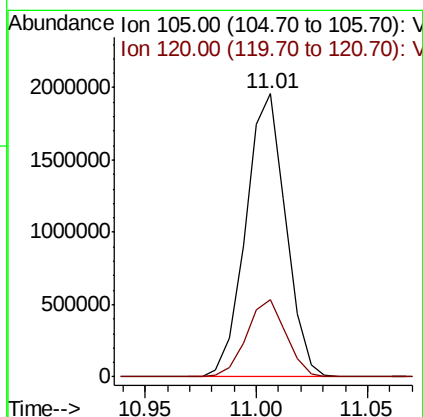
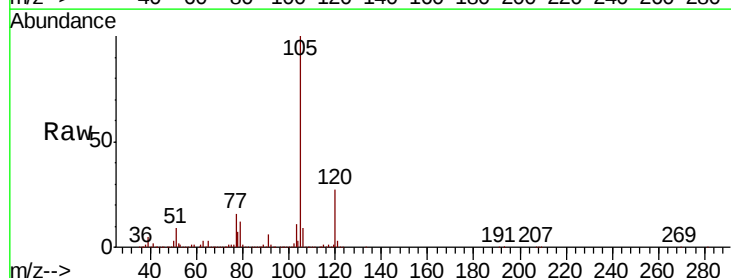
Instrument :
MSVOA_X
ClientSampleId :

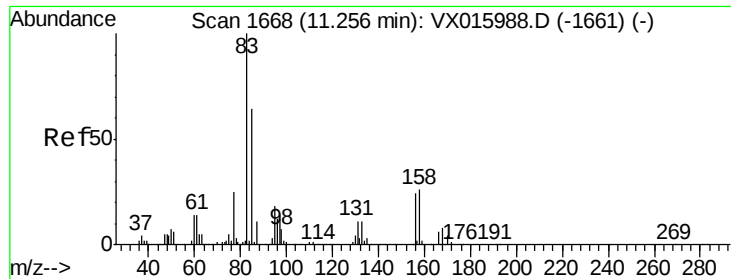
Tot Ion:104 Resp: 1618383
Ion Ratio Lower Upper
104 100
78 51.1 40.7 61.1
103 54.0 43.0 64.4



#70
Isopropylbenzene
Concen: 161.716 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion:105 Resp: 2450887
Ion Ratio Lower Upper
105 100
120 27.0 18.6 34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 149.316 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

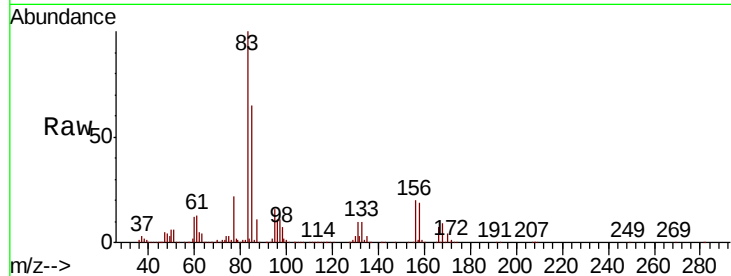
Tot Ion: 83 Resp: 598339

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

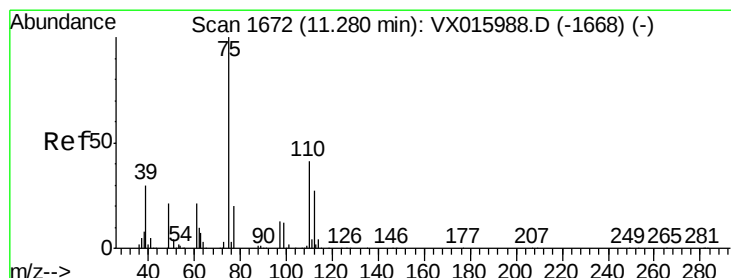
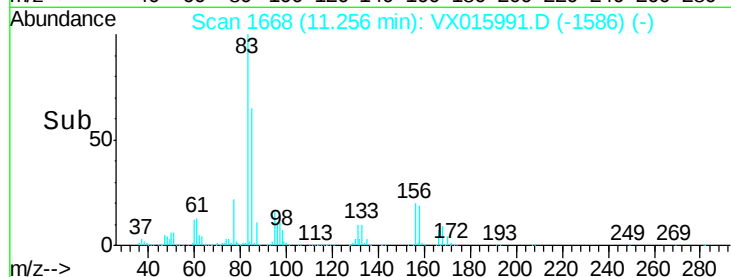
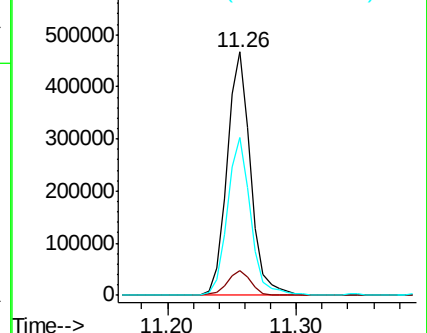
85 64.4 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 225.689 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015991.D

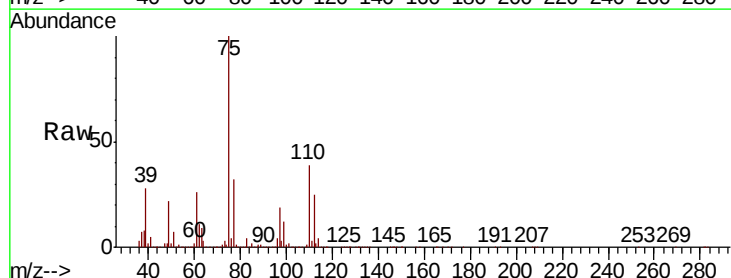
Acq: 30 Apr 2020 12:02

Tgt Ion: 75 Resp: 1040546

Ion Ratio Lower Upper

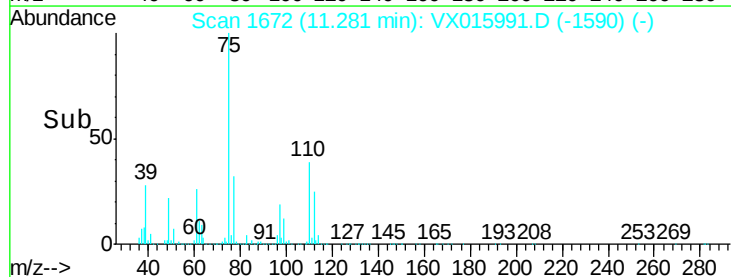
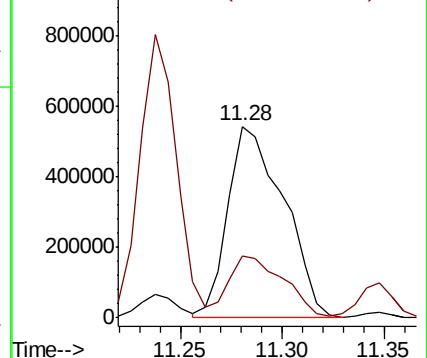
75 100

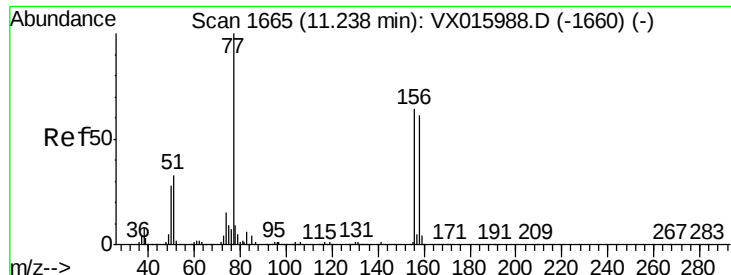
77 32.0 0.0 86.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 156.397 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

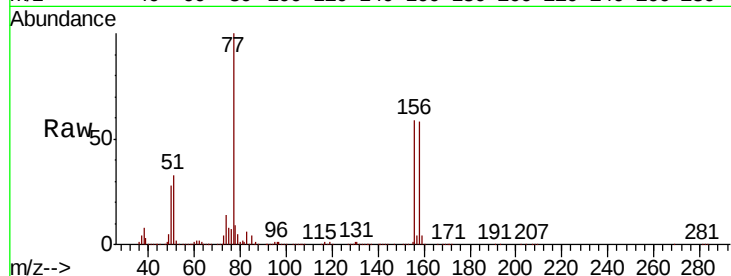
Tot Ion:156 Resp: 624944

Ion Ratio Lower Upper

156 100

77 160.6 0.0 318.0

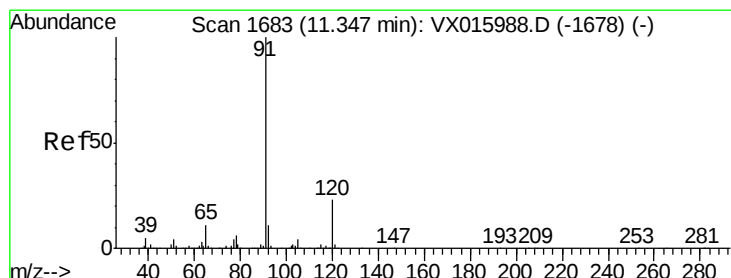
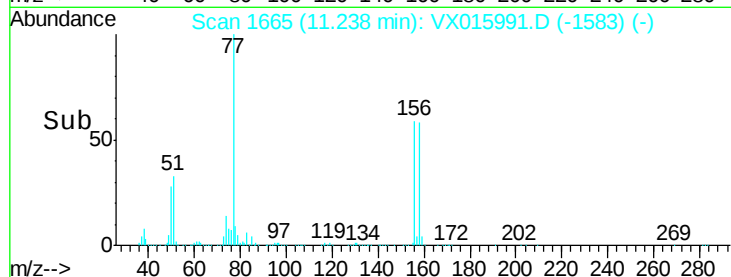
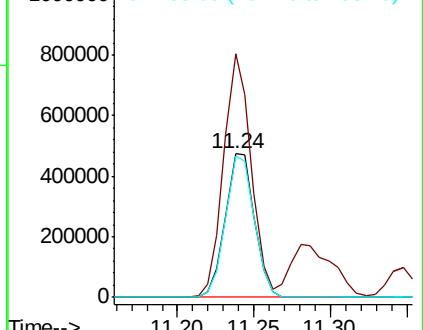
158 97.5 0.0 193.2



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: 161.949 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015991.D

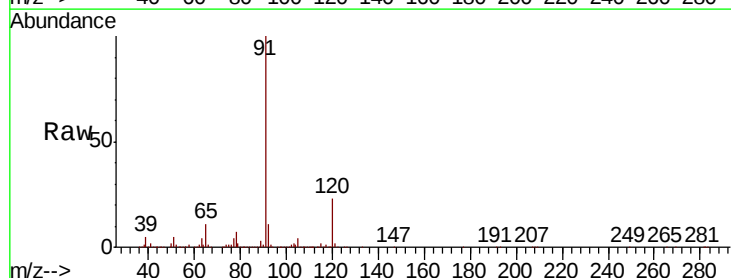
Acq: 30 Apr 2020 12:02

Tgt Ion: 91 Resp: 2823920

Ion Ratio Lower Upper

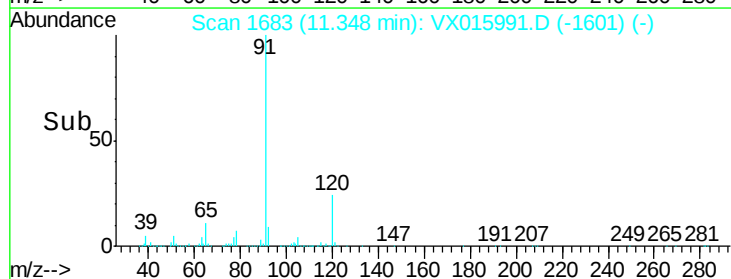
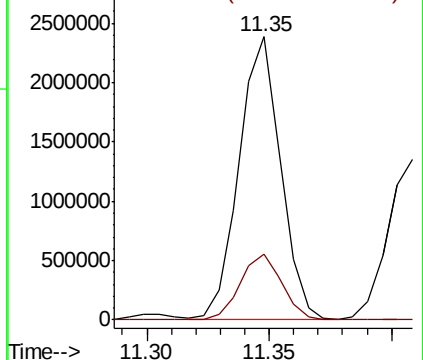
91 100

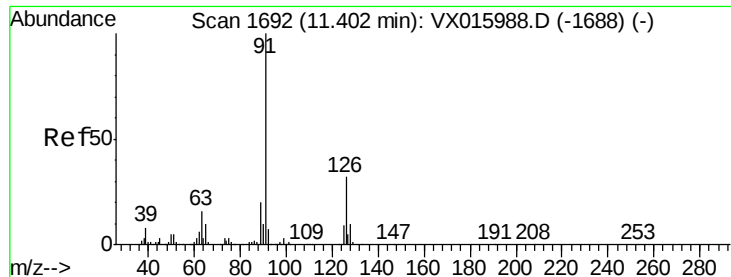
120 23.3 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 159.095 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

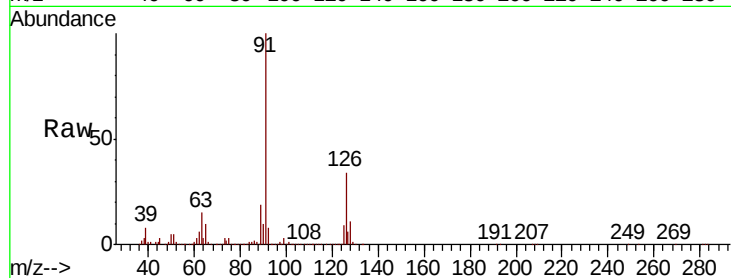
ClientSampleId :

Tot Ion: 91 Resp: 1667340

Ion Ratio Lower Upper

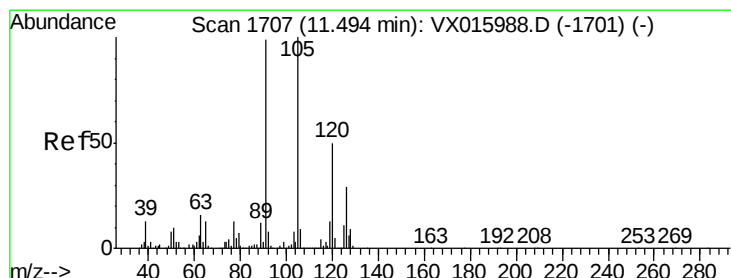
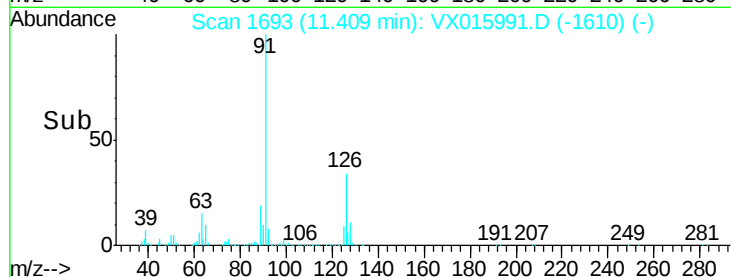
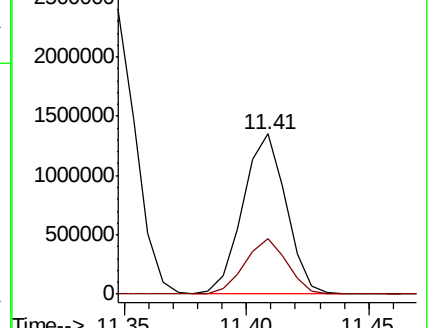
91 100

126 33.7 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 164.300 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015991.D

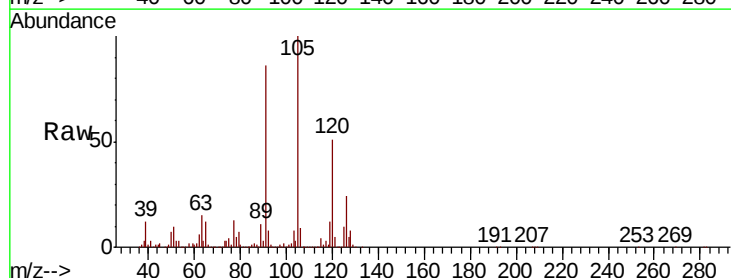
Acq: 30 Apr 2020 12:02

Tgt Ion:105 Resp: 2123235

Ion Ratio Lower Upper

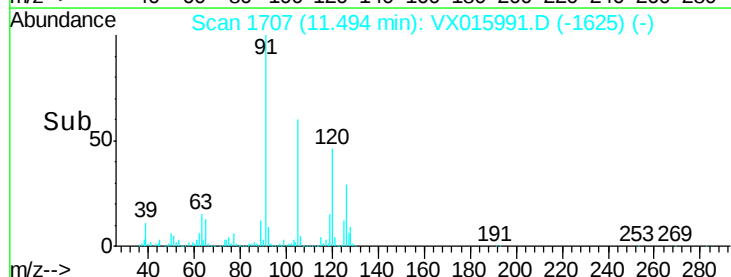
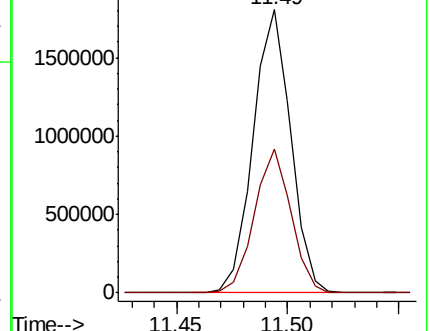
105 100

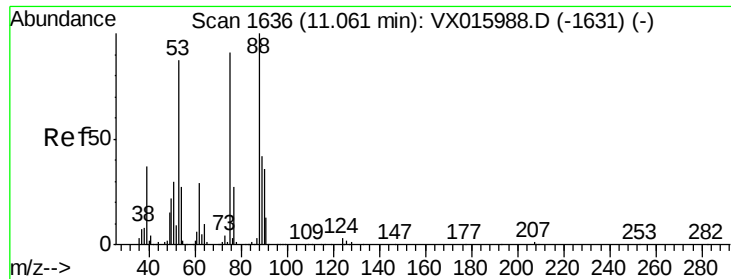
120 49.6 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)

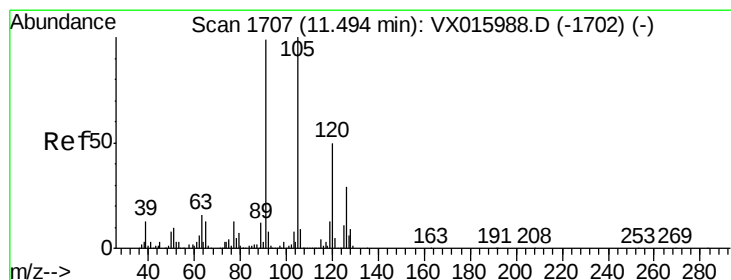
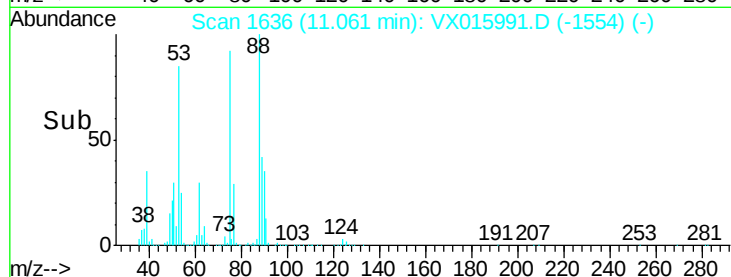
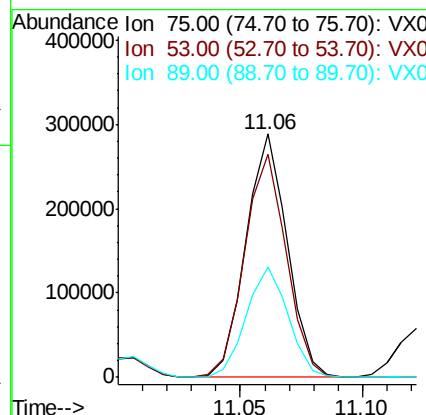
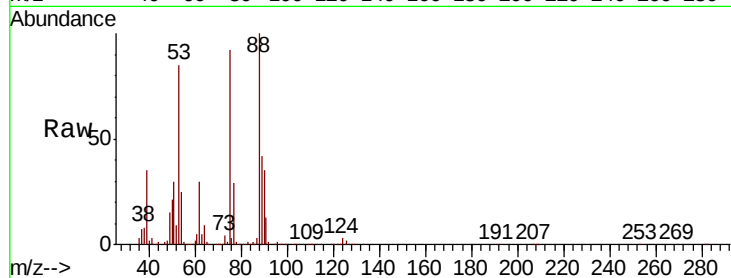




#77
t-1,4-Dichloro-2-butene
Concen: 171.157 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

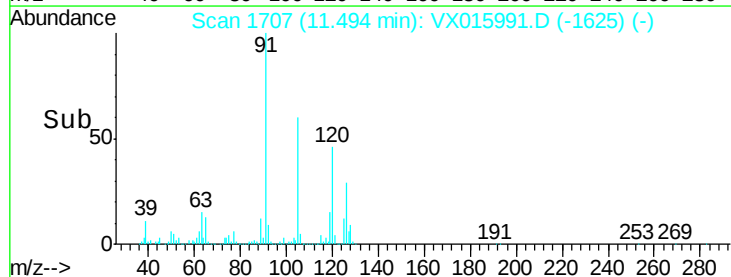
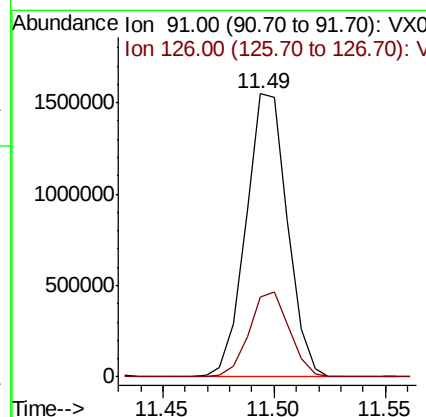
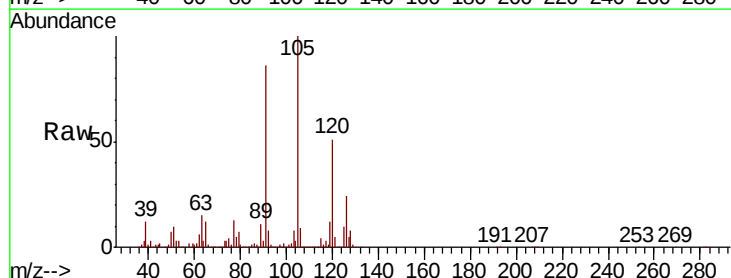
Instrument :
MSVOA_X
ClientSampleId :

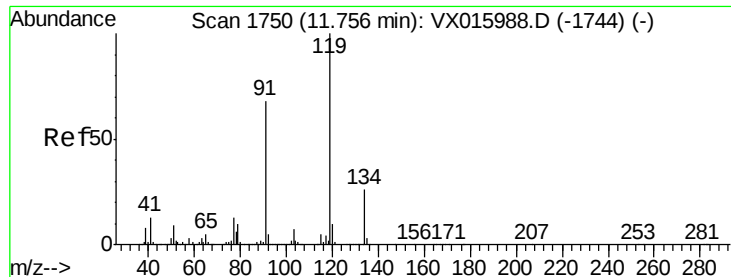
Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	48.0	144.2
89	45.0	23.4	70.3



#78
4-Chlorotoluene
Concen: 164.676 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	0.0	58.4





#79

tert-butylbenzene

Concen: 148.094 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Instrument :

MSVOA_X

ClientSampleId :

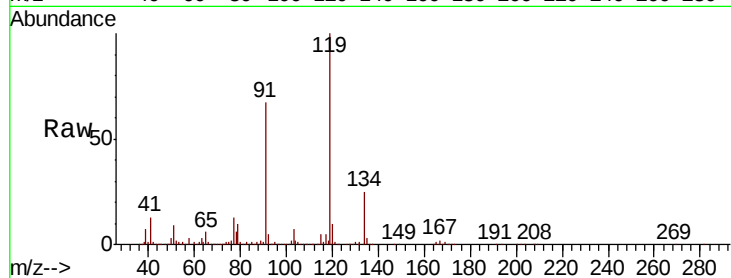
Tot Ion:119 Resp: 1808581

Ion Ratio Lower Upper

119 100

91 66.8 0.0 135.6

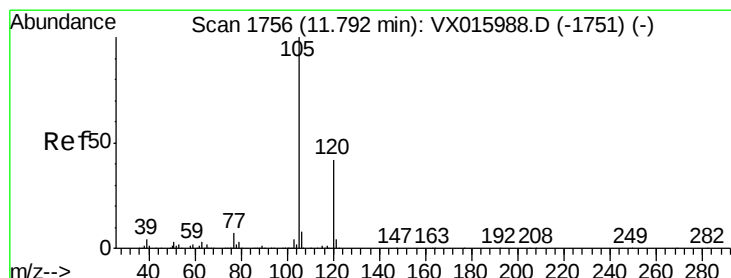
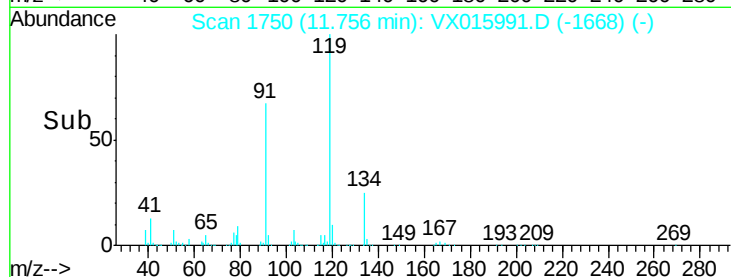
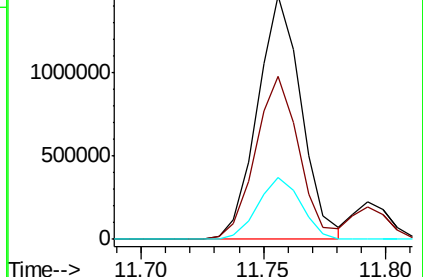
134 25.3 0.0 51.0



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: 161.201 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX015991.D

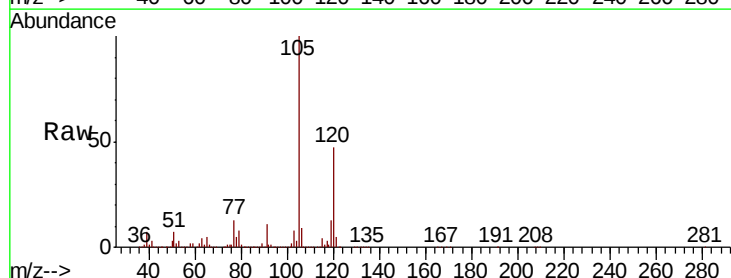
Acq: 30 Apr 2020 12:02

Tgt Ion:105 Resp: 2098270

Ion Ratio Lower Upper

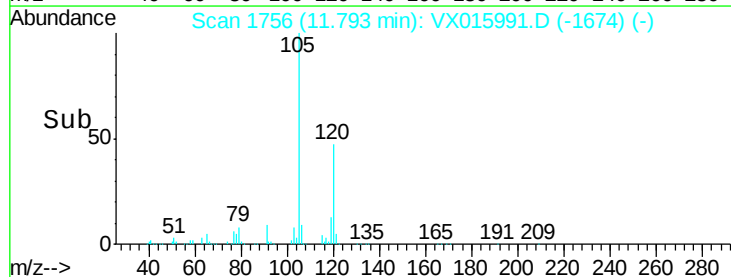
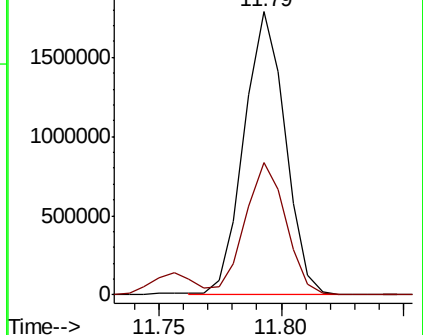
105 100

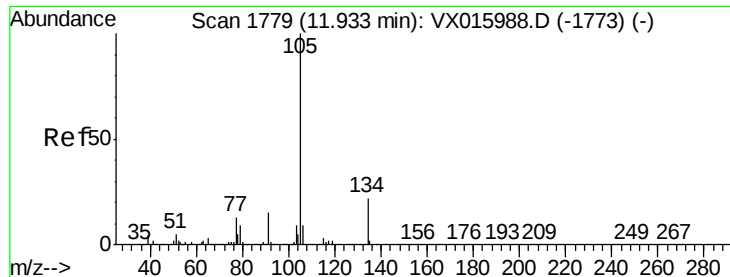
120 46.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

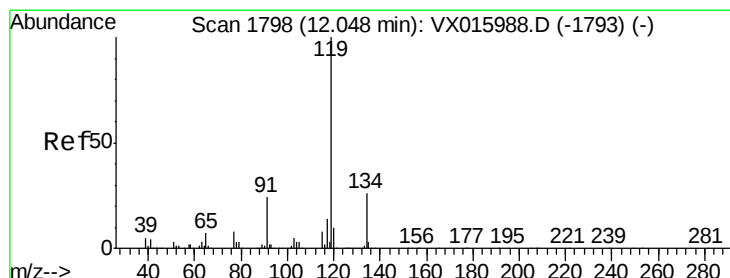
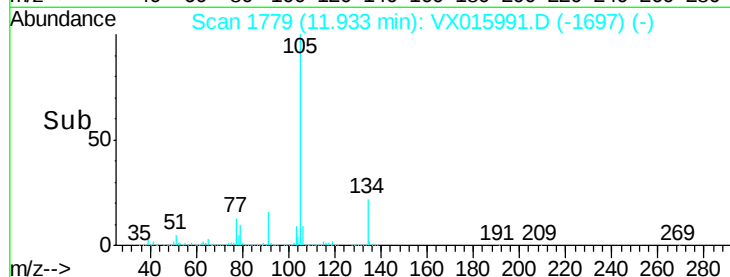
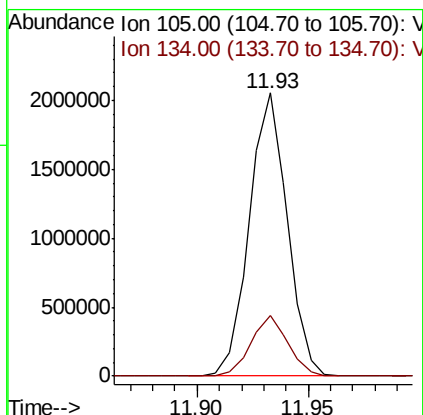
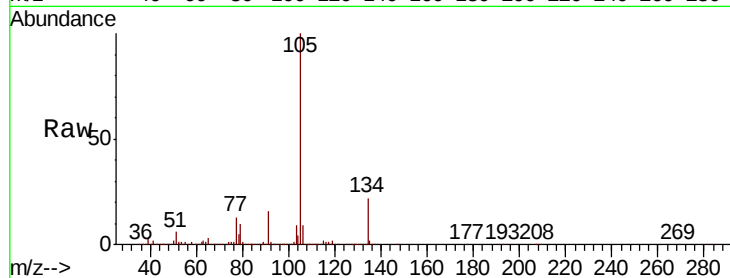




#81
 sec-Butylbenzene
 Concen: 164.008 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

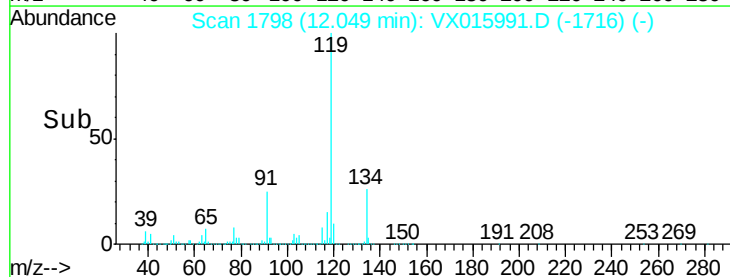
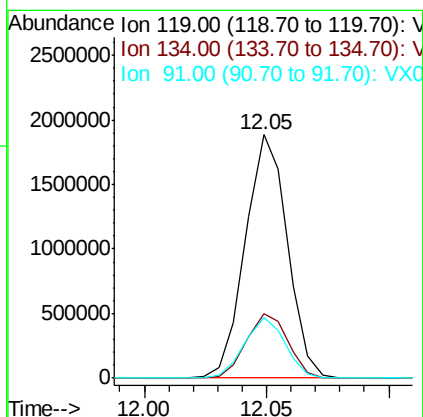
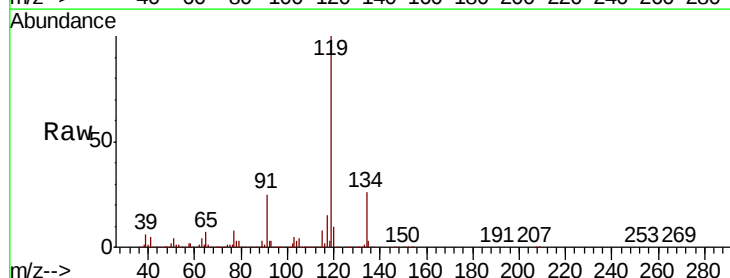
Instrument :
 MSVOA_X
 ClientSampleId :

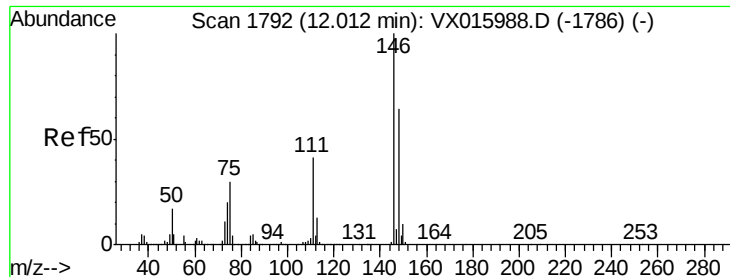
Tot Ion:105 Resp: 2438155
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.2



#82
 p-Isopropyltoluene
 Concen: 161.089 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:119 Resp: 2247237
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 24.3 0.0 47.6

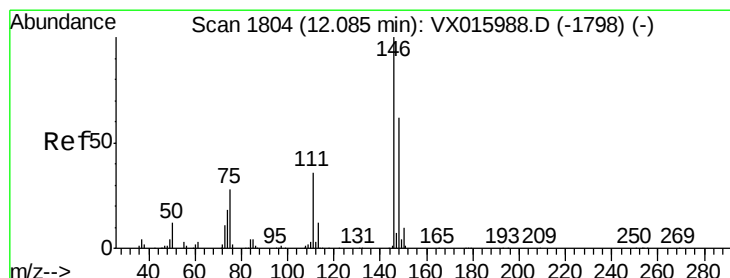
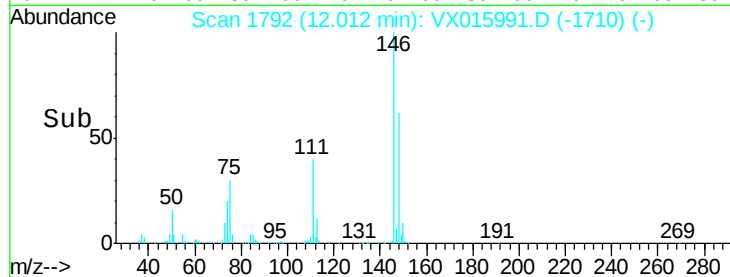
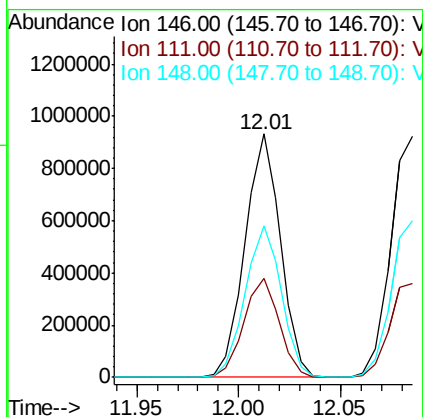
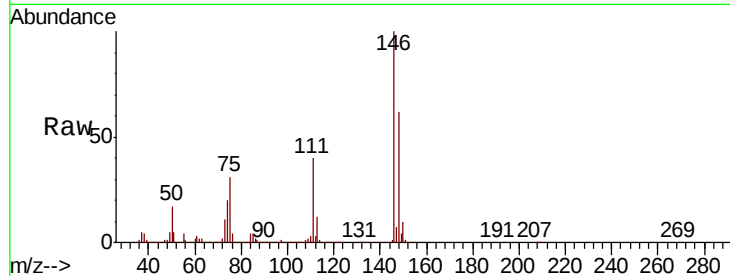




#83
 1,3-Dichlorobenzene
 Concen: 157.054 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

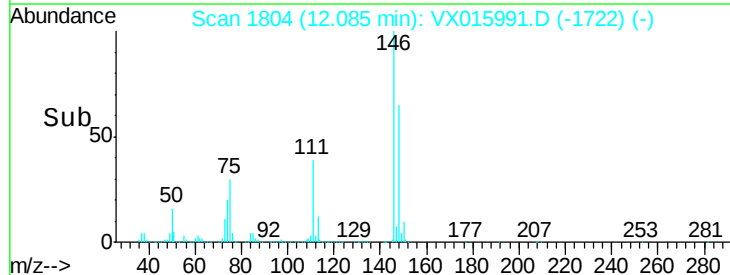
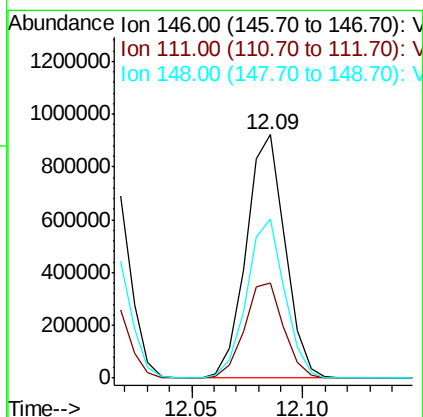
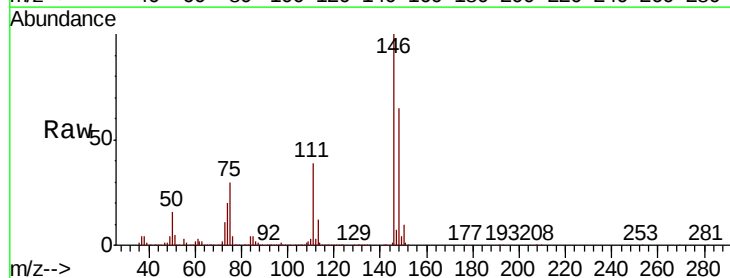
Instrument :
 MSVOA_X
 ClientSampleId :

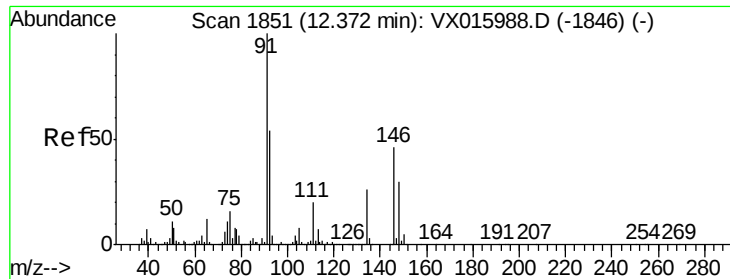
Tot Ion:146 Resp: 1127401
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.4 61.3
 148 63.1 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 157.460 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion:146 Resp: 1124514
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 63.8 32.0 96.0

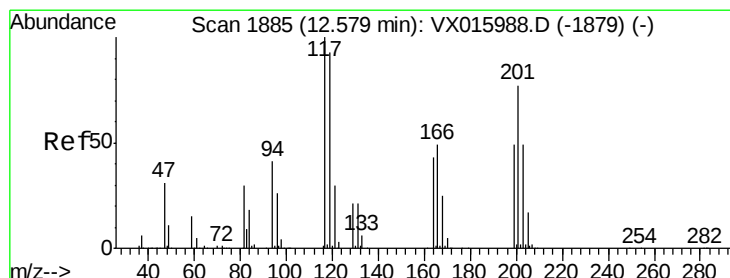
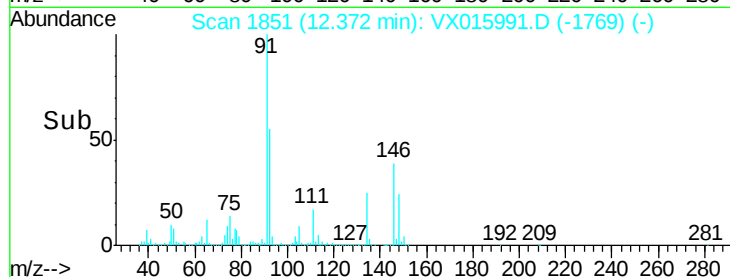
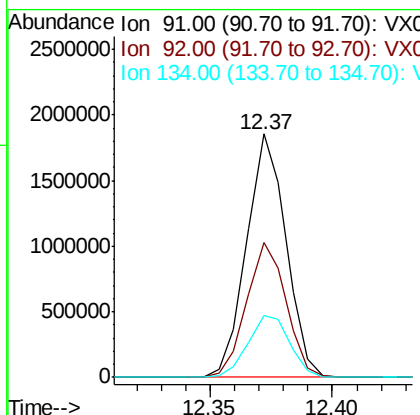
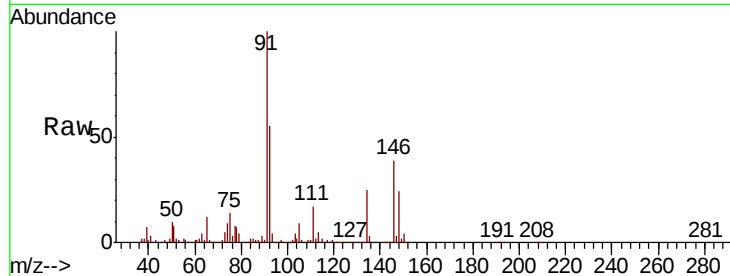




#85
n-Butylbenzene
Concen: 167.644 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

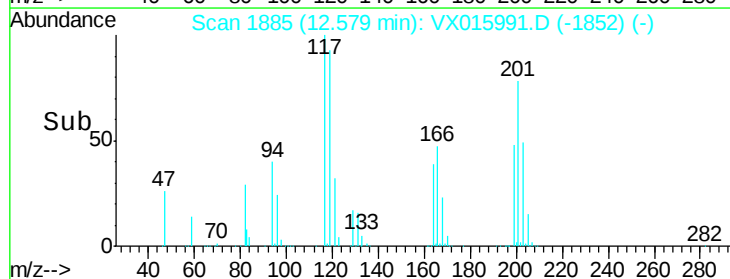
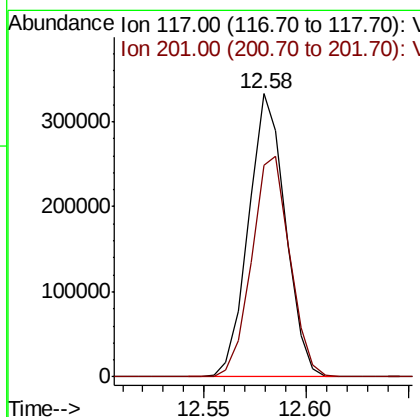
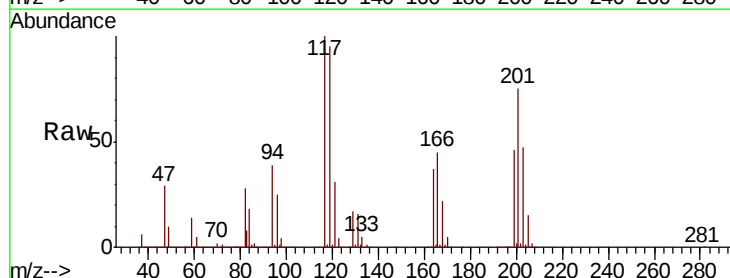
Instrument :
MSVOA_X
ClientSampled :

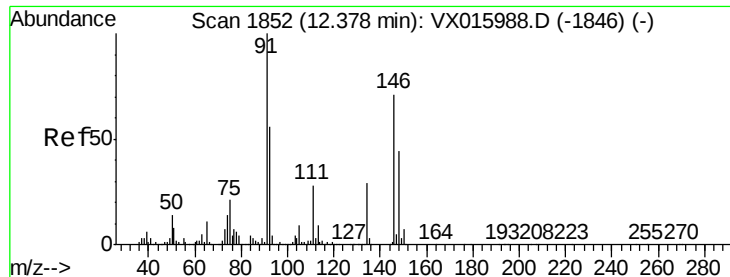
Tot Ion: 91 Resp: 2092987
Ion Ratio Lower Upper
91 100
92 55.4 0.0 110.2
134 26.8 0.0 53.4



#86
Hexachloroethane
Concen: 161.349 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015991.D
Acq: 30 Apr 2020 12:02

Tgt Ion: 117 Resp: 419105
Ion Ratio Lower Upper
117 100
201 80.3 40.1 120.2

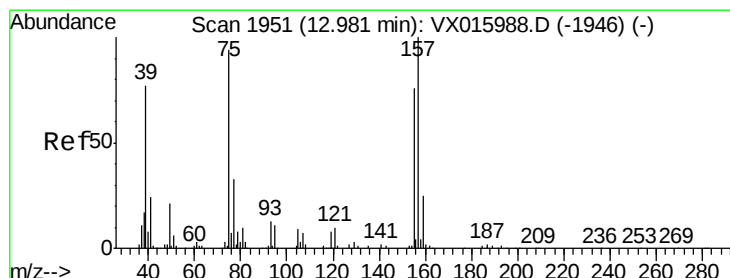
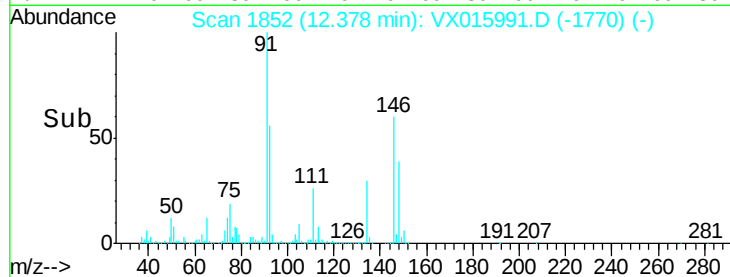
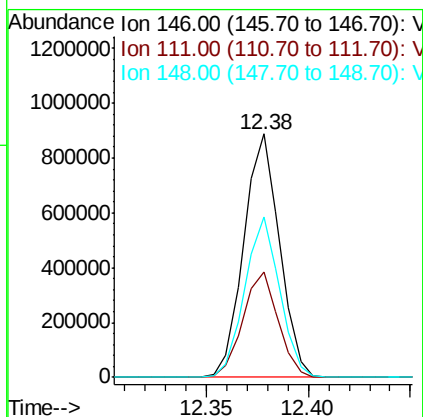
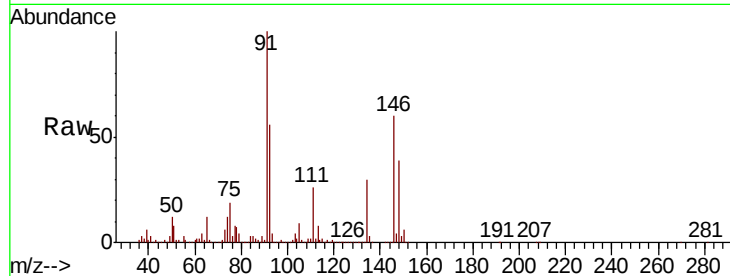




#87
 1,2-Dichlorobenzene
 Concen: 154.947 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

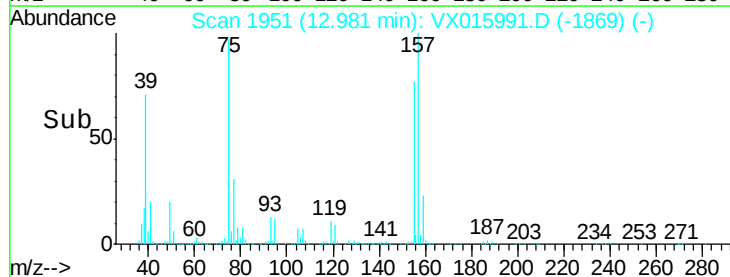
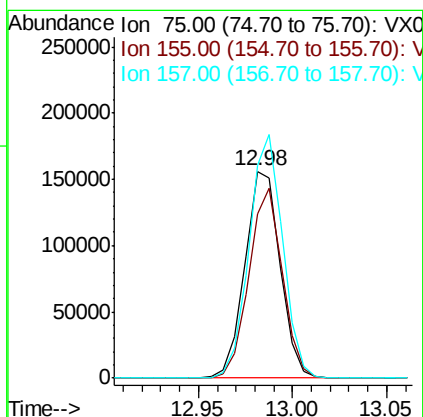
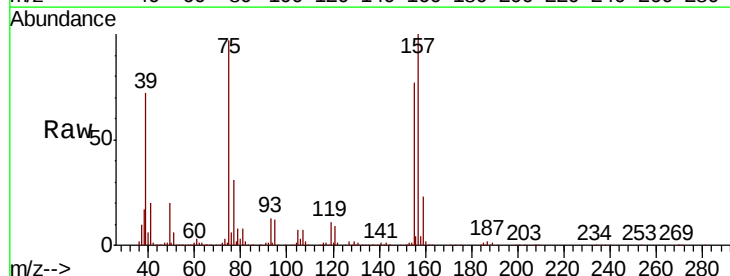
Instrument :
 MSVOA_X
 ClientSampled :

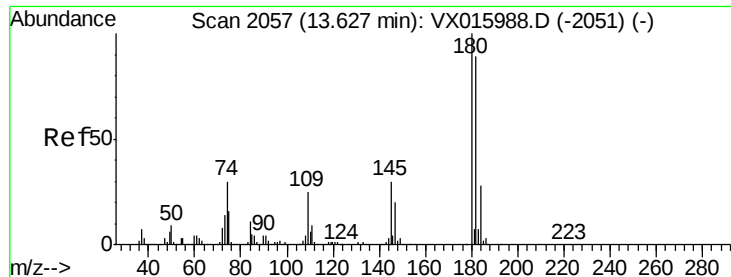
Tot Ion:146 Resp: 1081439
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.7 62.1
 148 64.2 32.0 96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 162.340 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion: 75 Resp: 201765
 Ion Ratio Lower Upper
 75 100
 155 87.2 66.9 100.3
 157 112.3 88.2 132.2

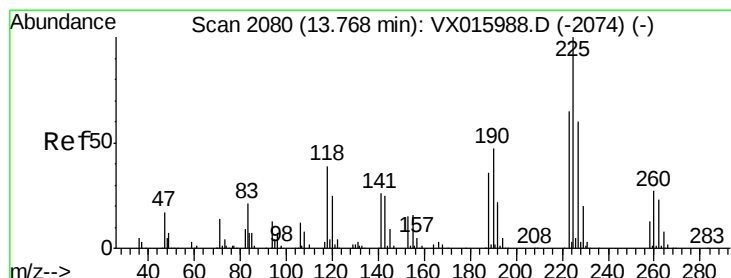
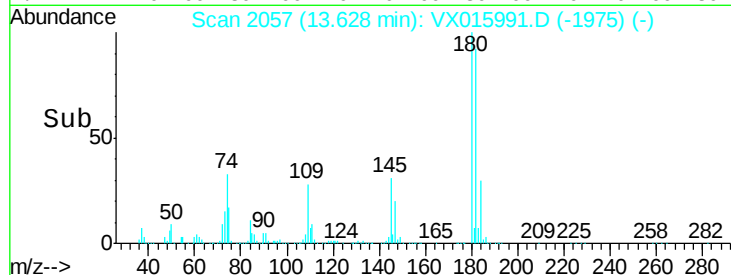
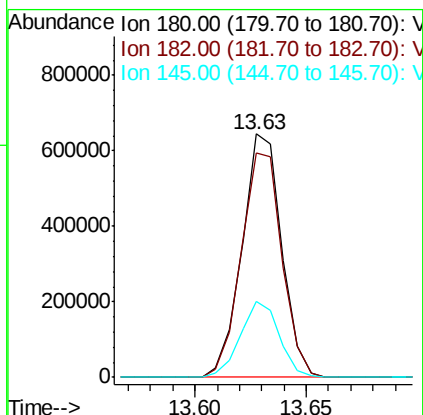
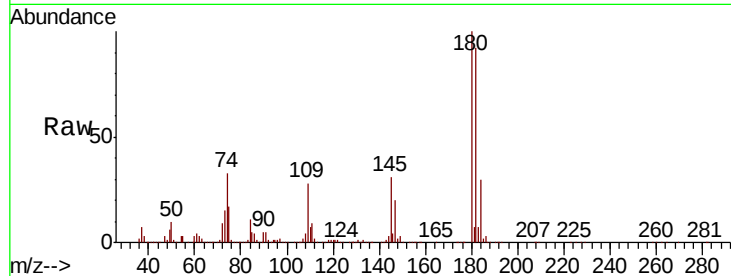




#89
 1,2,4-Trichlorobenzene
 Concen: 145.946 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

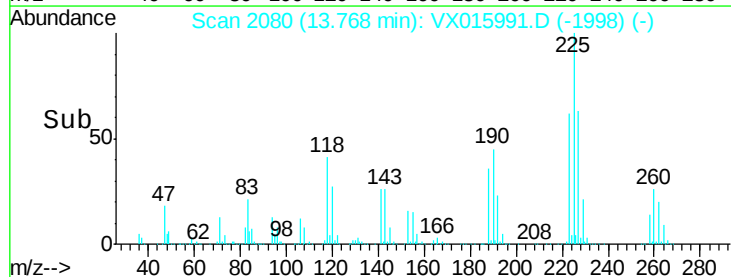
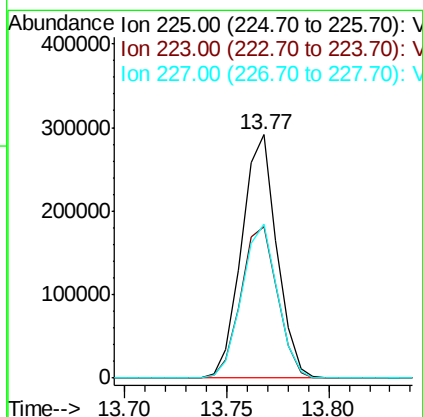
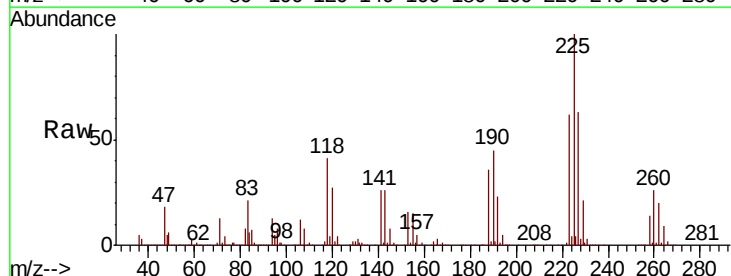
Instrument :
 MSVOA_X
 ClientSampleId :

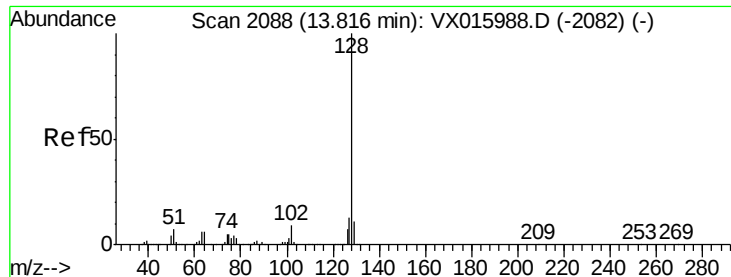
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.0	112.6
145	30.5	23.9	35.9



#90
 Hexachlorobutadiene
 Concen: 127.015 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015991.D
 Acq: 30 Apr 2020 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	123.6
227	63.9	0.0	123.6





#91

Naphthalene

Concen: 159.225 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

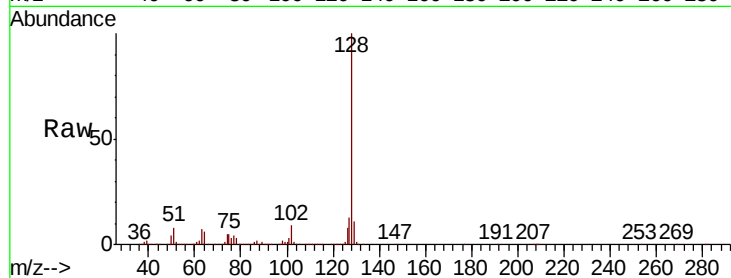
Instrument :

MSVOA_X

ClientSampled :

Tot Ion:128 Resp: 2578040

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	13.0

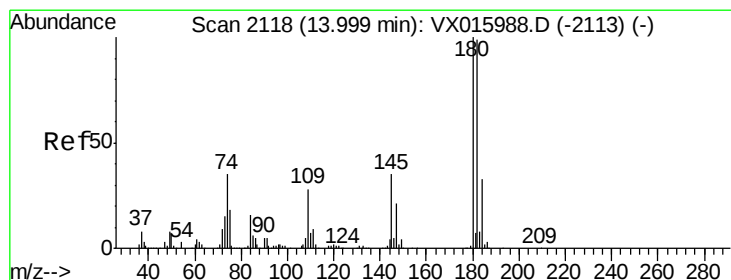
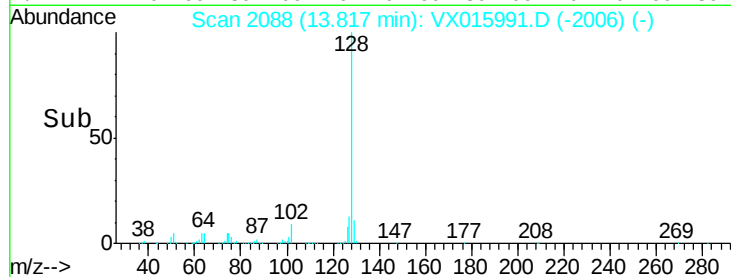
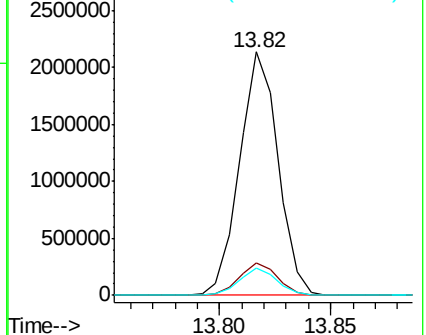


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 146.435 ug/l

RT: 14.01 min Scan# 2119

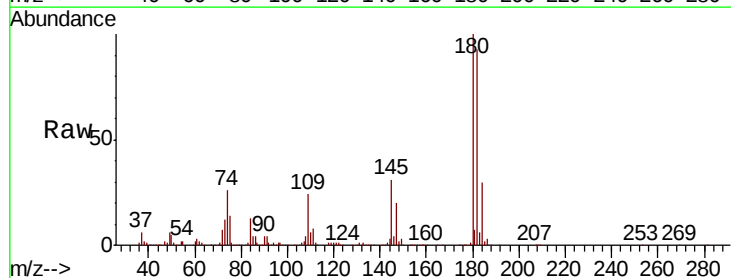
Delta R.T. 0.01 min

Lab File: VX015991.D

Acq: 30 Apr 2020 12:02

Tgt Ion:180 Resp: 784308

Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	197.2
145	32.1	0.0	66.0



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

