

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016314.D
 Acq On : 18 May 2020 21:28
 Operator : JC/SP
 Sample : L2672-08 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 00:54:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	260723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	429270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	412503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	149362	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	5.47	113	125094	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	8.70	98	513241	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.12	95	207715	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
3) Chloromethane	1.31	50	673	0.210	ug/l	89
4) Vinyl Chloride	1.39	62	186410	54.517	ug/l	100
5) Bromomethane	1.64	94	794	0.461	ug/l #	67
9) 1,1,2-Trichlorotrifluoroet	2.36	101	544	0.210	ug/l	96
10) Methyl Iodide	2.50	142	817	0.235	ug/l #	82
11) Tert butyl alcohol	3.01	59	811	0.935	ug/l #	86
12) 1,1-Dichloroethene	2.36	96	8525	3.145	ug/l	92
13) Acrolein	2.28	56	1060	1.952	ug/l	98
15) Acrylonitrile	3.12	53	1202	0.668	ug/l #	90
16) Acetone	2.42	43	1341	0.876	ug/l	94
17) Carbon Disulfide	2.56	76	5242	0.439	ug/l	100
18) Methyl Acetate	2.75	43	765	0.203	ug/l #	80
20) Methylene Chloride	2.84	84	962	0.305	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	12274	4.064	ug/l	92
24) 1,1-Dichloroethane	3.67	63	4580	0.873	ug/l	97
25) 2-Butanone	4.64	43	1496	0.606	ug/l #	86
27) cis-1,2-Dichloroethene	4.57	96	1428321	432.584	ug/l	87
29) Tetrahydrofuran	5.11	42	657	0.402	ug/l #	39
36) 1,1-Dichloropropene	5.77	75	1072	0.254	ug/l	85
38) Carbon Tetrachloride	5.64	117	24957	5.811	ug/l #	15
39) Methylcyclohexane	7.45	83	1447	0.284	ug/l	90
40) Benzene	6.12	78	7478	0.605	ug/l	98
44) Trichloroethene	7.19	130	176294	40.136	ug/l	99
59) 2-Hexanone	9.48	43	1046	0.279	ug/l	68
64) Tetrachloroethene	9.32	164	1336	0.264	ug/l	93
65) Chlorobenzene	10.12	112	50515	5.848	ug/l	97
68) m/p-Xylenes	10.35	106	1403	0.243	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	170	2.110	ug/l #	69
76) 1,2,3-Trichloropropane	11.12	75	99614	21.266	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	99614	50.679	ug/l #	13
85) sec-Butylbenzene	11.93	105	3525	0.239	ug/l	87
86) p-Isopropyltoluene	12.05	119	3387	0.247	ug/l #	78
87) 1,3-Dichlorobenzene	12.01	146	3335	0.479	ug/l	98
88) 1,4-Dichlorobenzene	12.01	146	3335	0.472	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

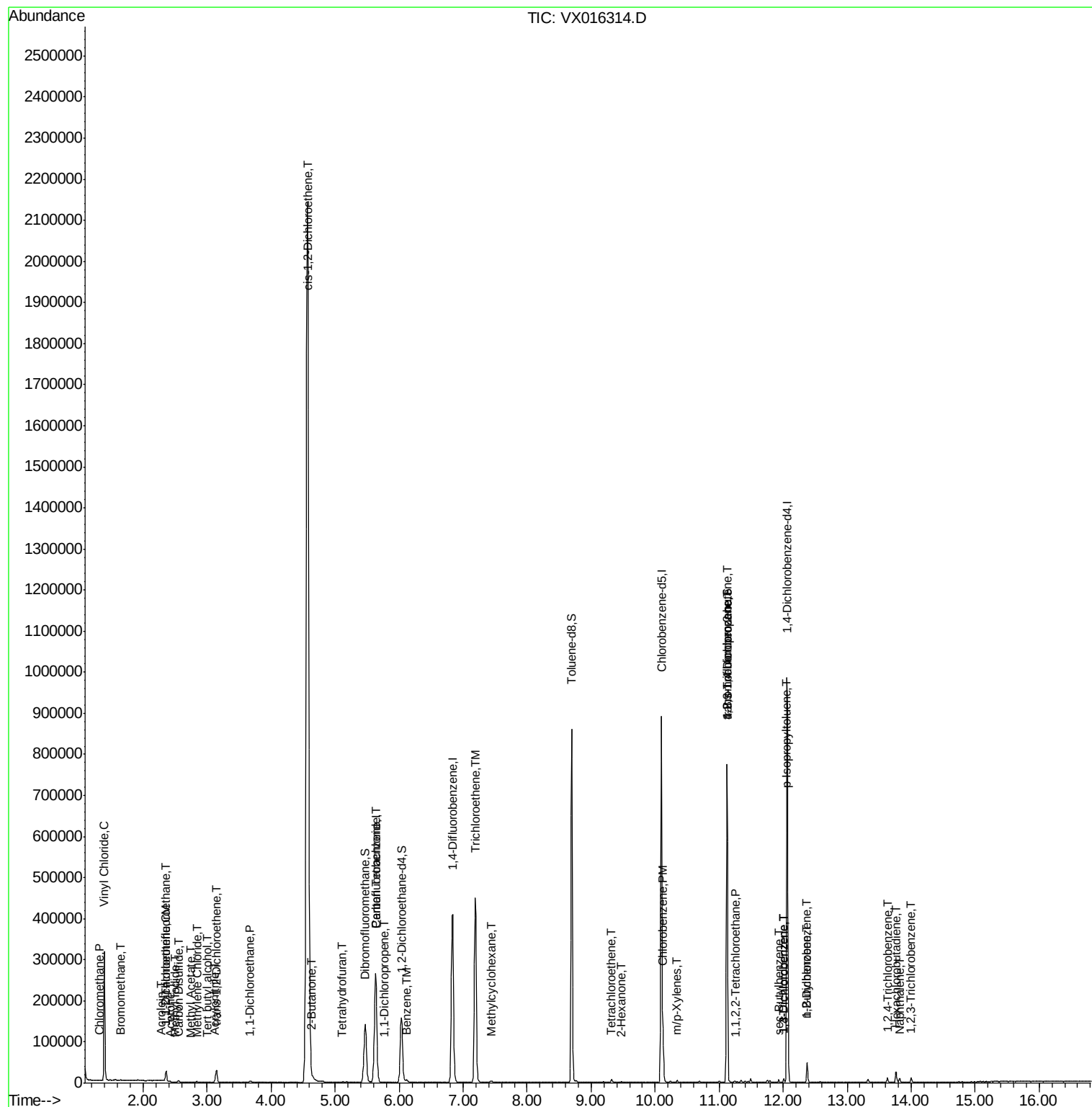
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.37	91	5565	0.445	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	11808	1.762	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	2680	0.540	ug/l	99
94) Hexachlorobutadiene	13.76	225	3815	2.291	ug/l	98
95) Naphthalene	13.82	128	6037	0.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	2726	0.562	ug/l	95

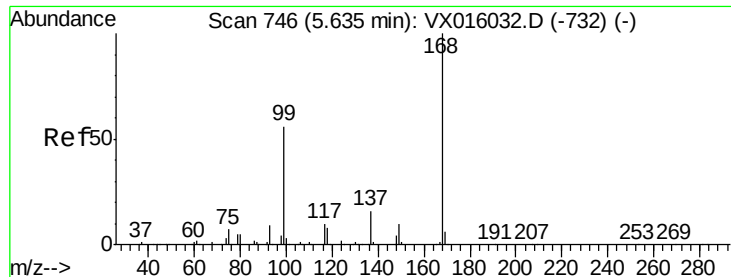
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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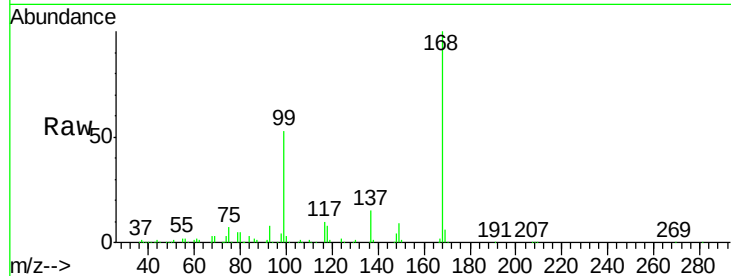


#1

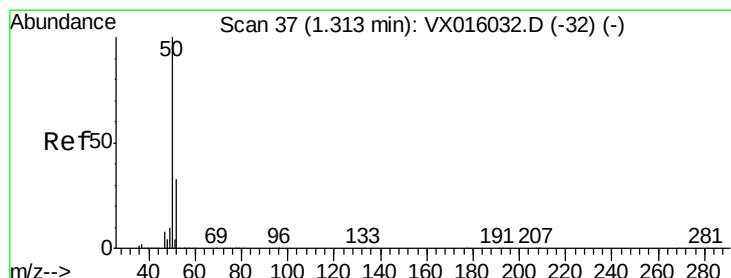
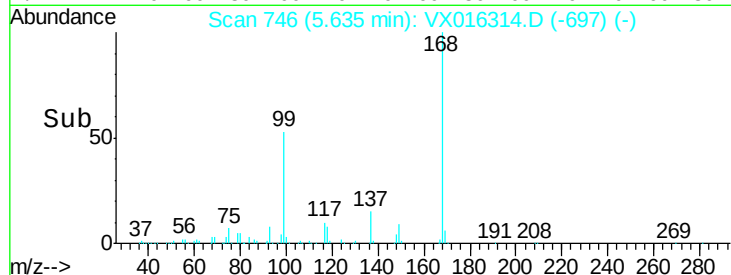
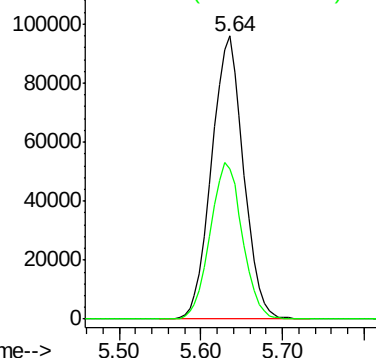
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 260723
 Ion Ratio Lower Upper
 168 100
 99 53.0 45.0 67.4



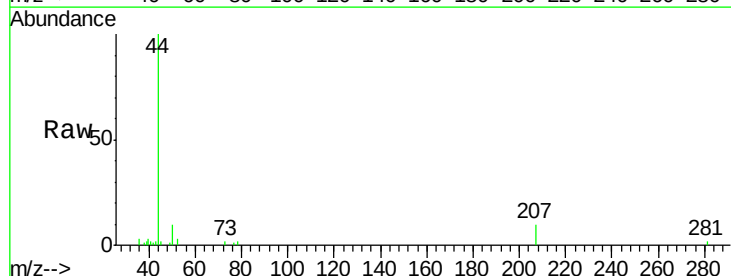
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



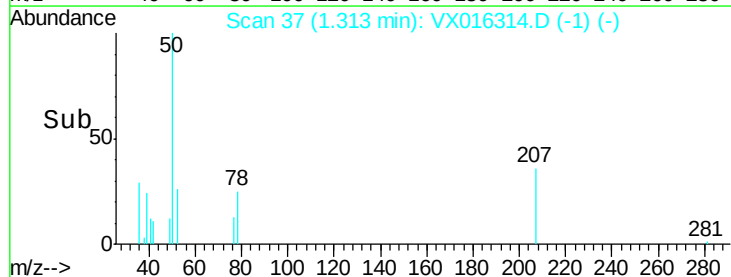
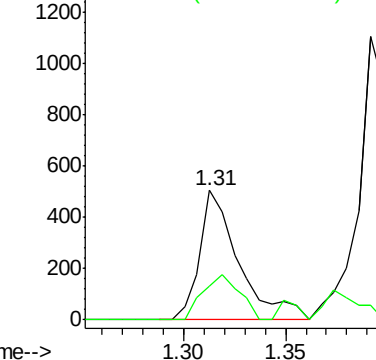
#3

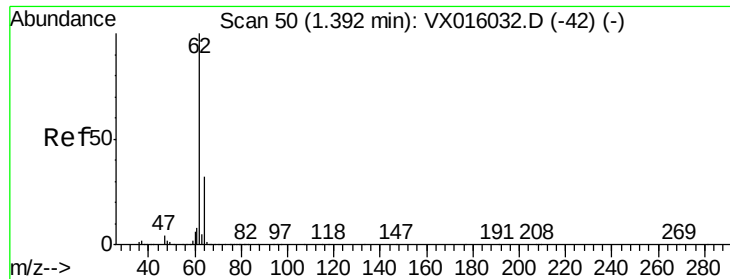
Chloromethane
 Concen: 0.210 ug/l
 RT: 1.31 min Scan# 37
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion: 50 Resp: 673
 Ion Ratio Lower Upper
 50 100
 52 26.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 54.517 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

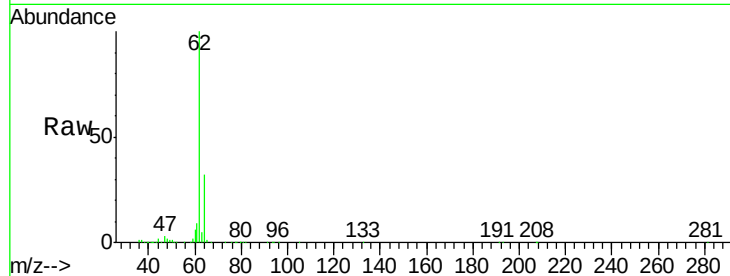
ClientSampled :

Tot Ion: 62 Resp: 186410

Ion Ratio Lower Upper

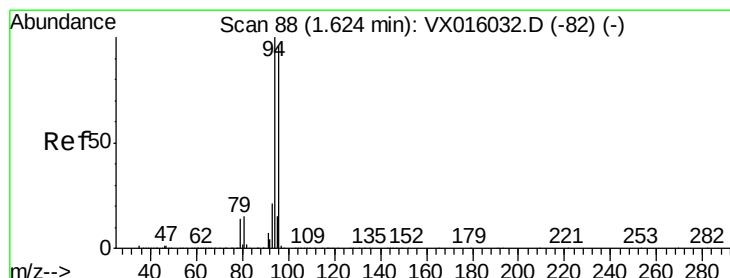
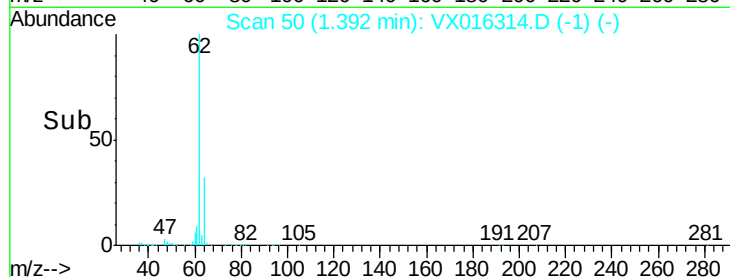
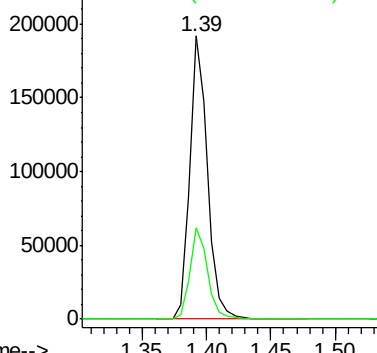
62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.461 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016314.D

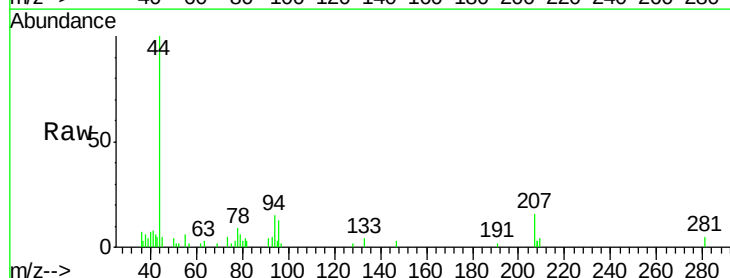
Acq: 18 May 2020 21:28

Tgt Ion: 94 Resp: 794

Ion Ratio Lower Upper

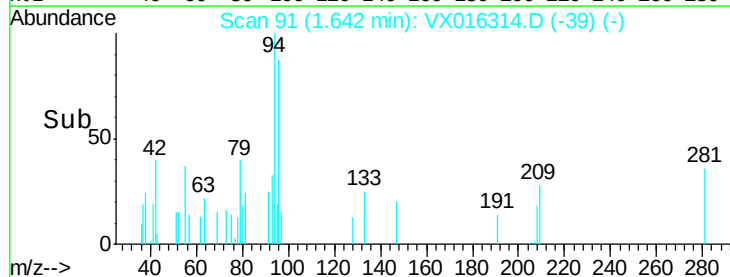
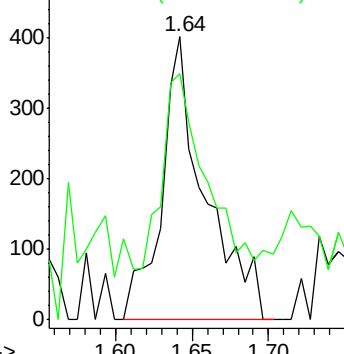
94 100

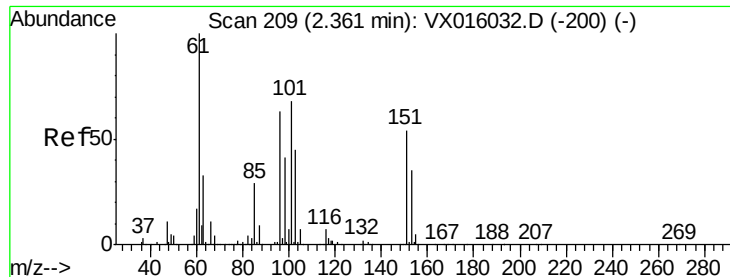
96 63.4 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.210 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

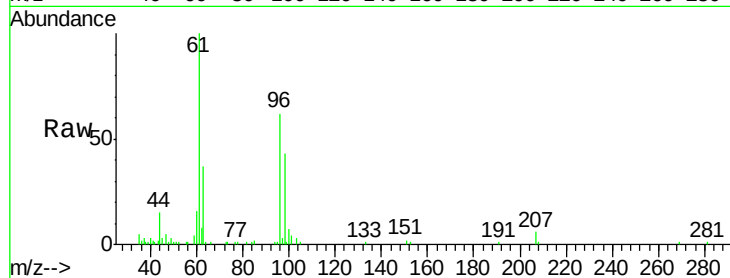
Tot Ion:101 Resp: 544

Ion Ratio Lower Upper

101 100

85 39.9 34.2 51.4

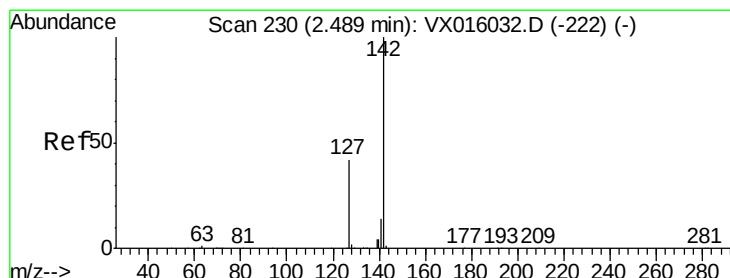
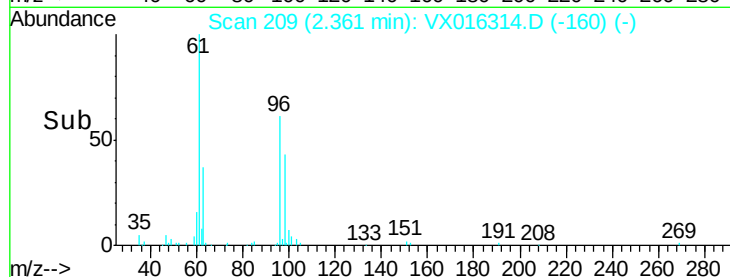
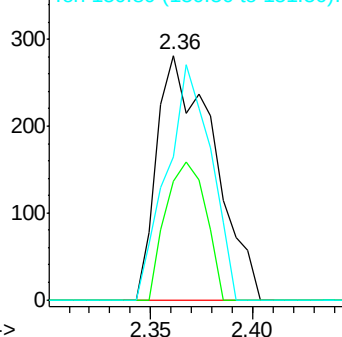
151 74.8 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.235 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

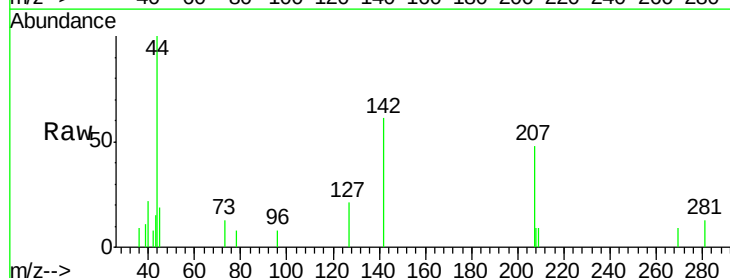
Tgt Ion:142 Resp: 817

Ion Ratio Lower Upper

142 100

127 32.9 34.6 52.0#

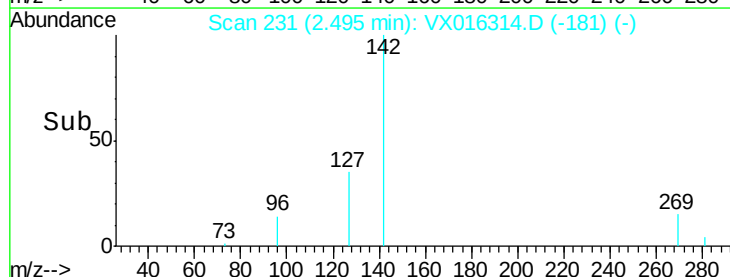
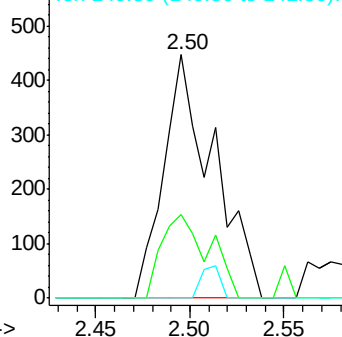
141 5.0 11.3 16.9#

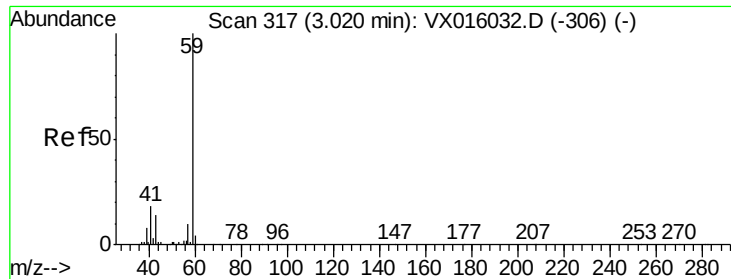


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



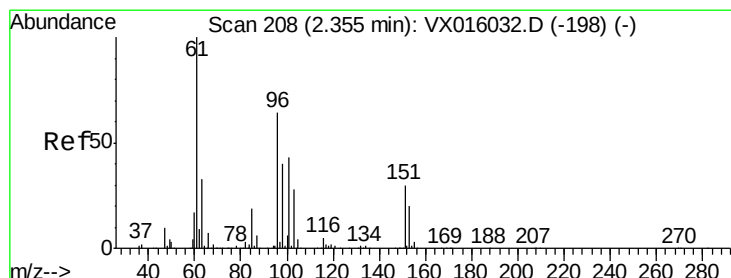
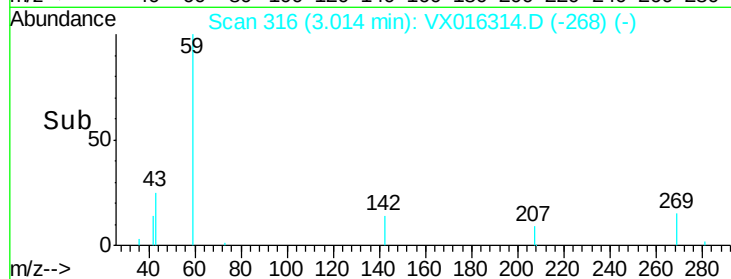
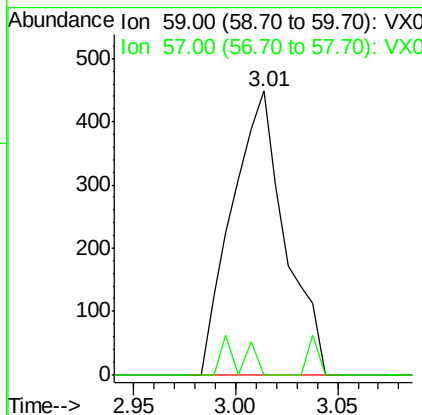
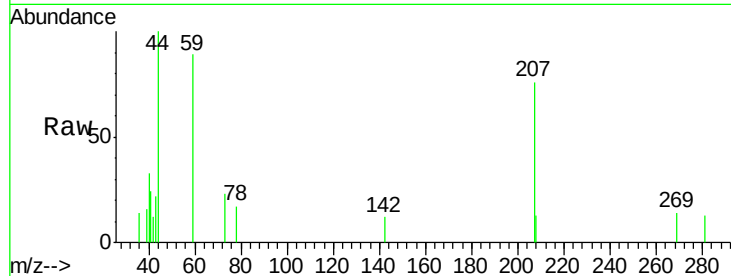


#11

Tert butyl alcohol
 Concen: 0.935 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :

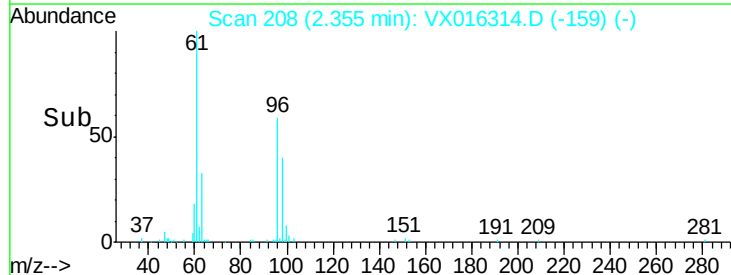
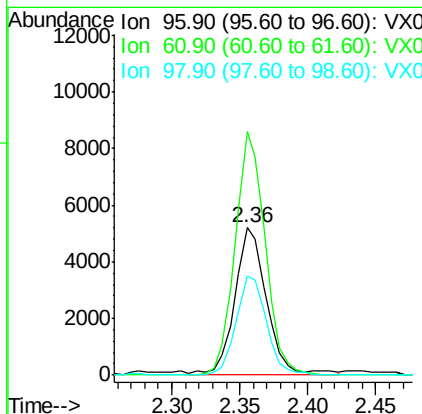
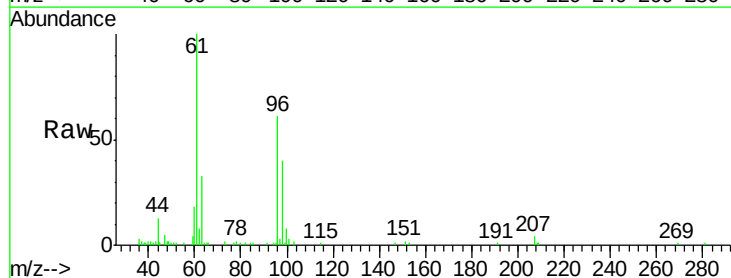
Tot Ion: 59 Resp: 811
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.2 12.4#

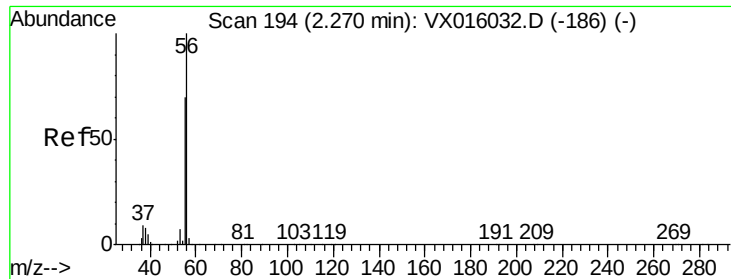


#12

1,1-Dichloroethene
 Concen: 3.145 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion: 96 Resp: 8525
 Ion Ratio Lower Upper
 96 100
 61 166.7 124.8 187.2
 98 67.4 49.7 74.5





#13

Acrolein

Concen: 1.952 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

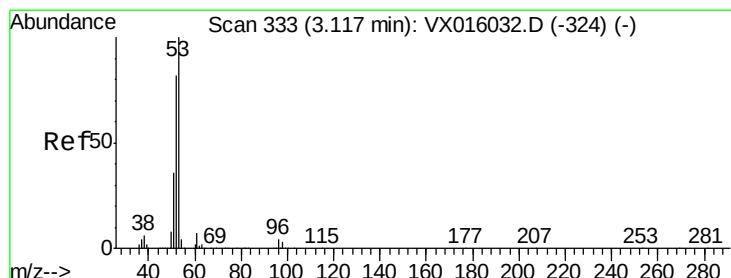
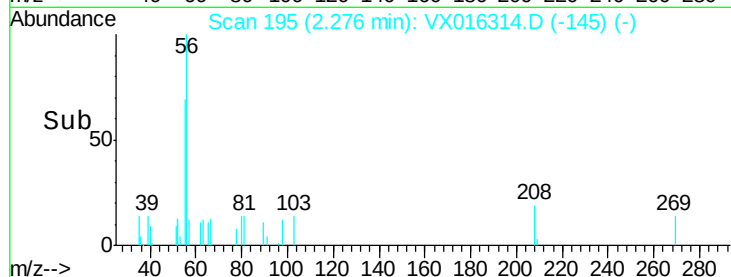
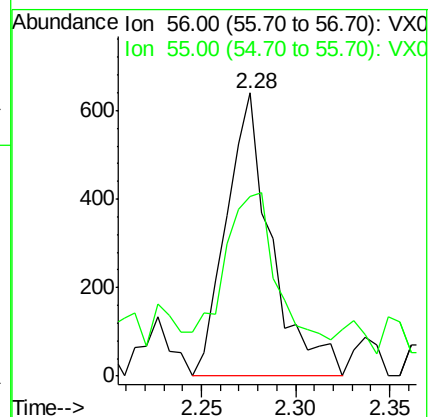
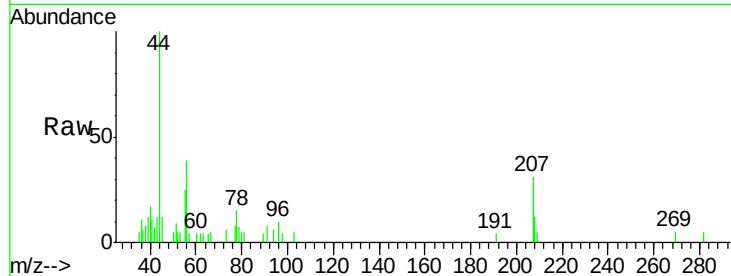
ClientSampleId :

Tot Ion: 56 Resp: 1060

Ion Ratio Lower Upper

56 100

55 72.5 56.5 84.7



#15

Acrylonitrile

Concen: 0.668 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

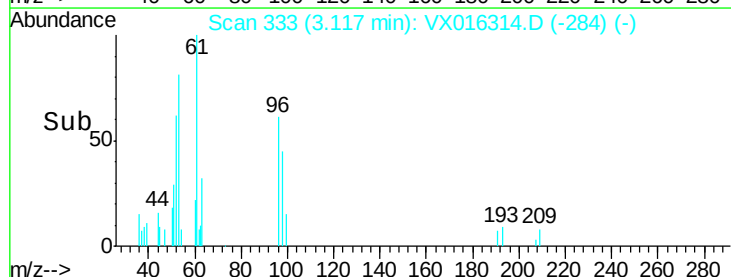
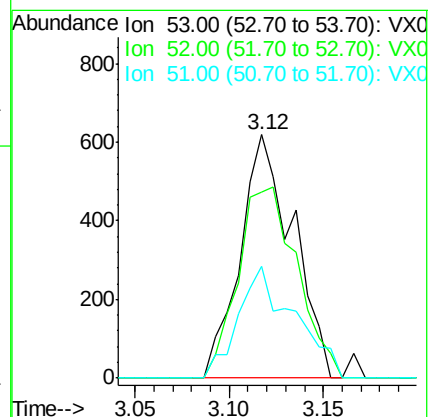
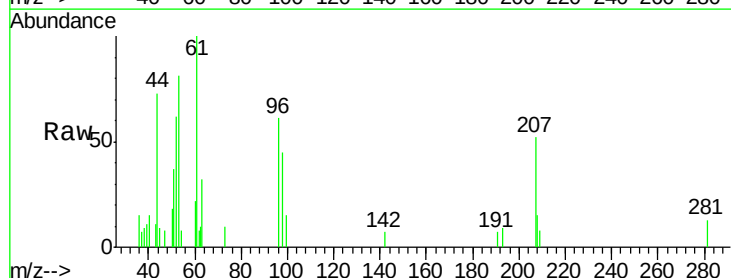
Tgt Ion: 53 Resp: 1202

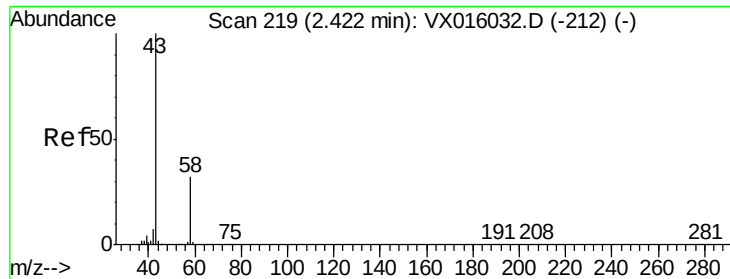
Ion Ratio Lower Upper

53 100

52 87.7 66.1 99.1

51 48.4 28.8 43.2#





#16

Acetone

Concen: 0.876 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

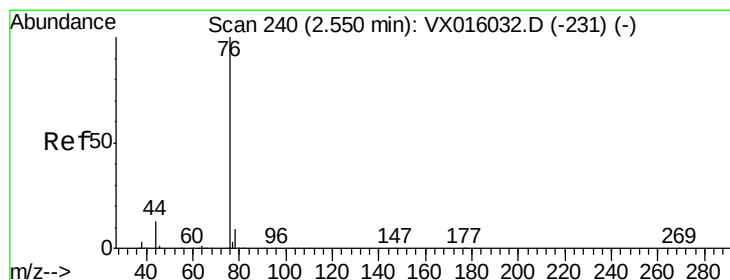
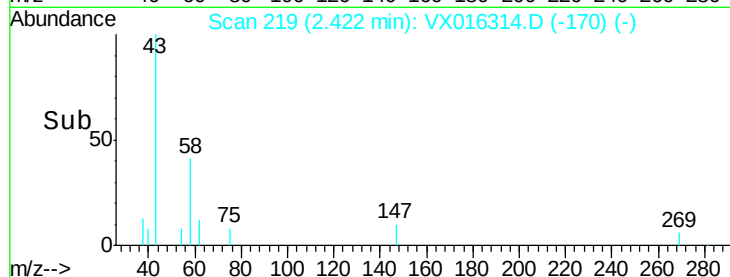
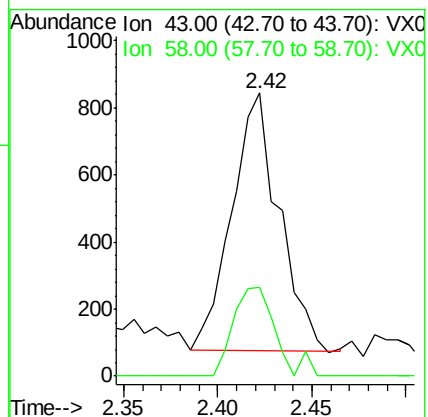
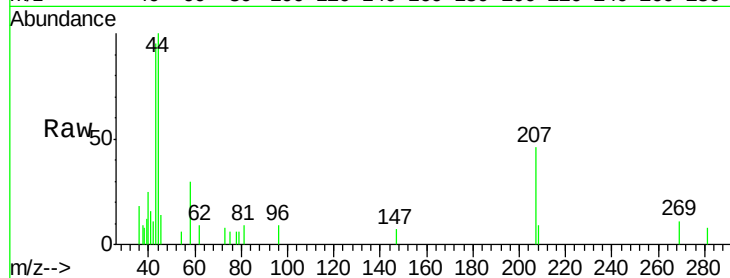
ClientSampleId :

Tot Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

58 34.8 25.4 38.0



#17

Carbon Disulfide

Concen: 0.439 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016314.D

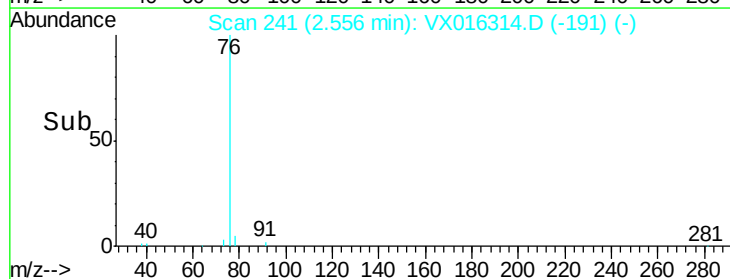
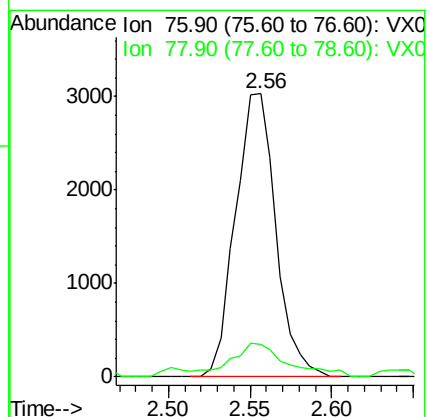
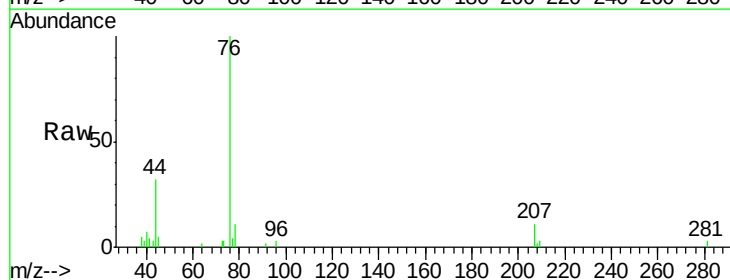
Acq: 18 May 2020 21:28

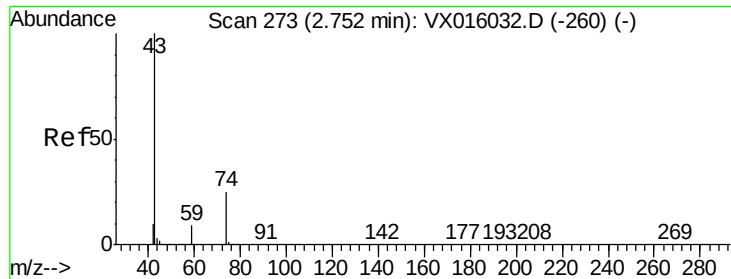
Tgt Ion: 76 Resp: 5242

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3

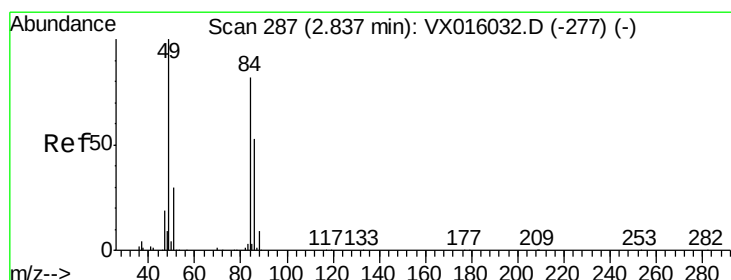
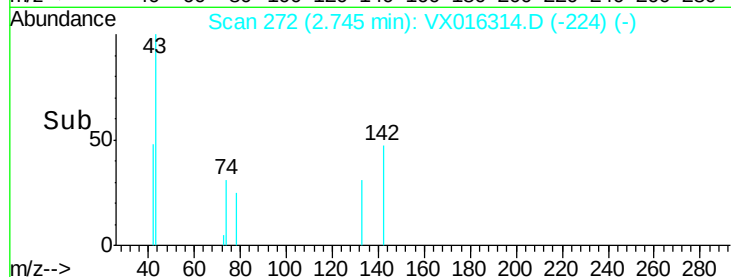
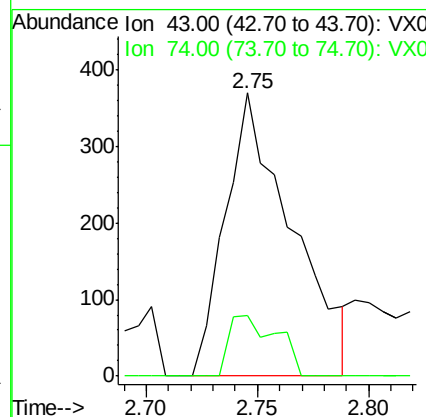
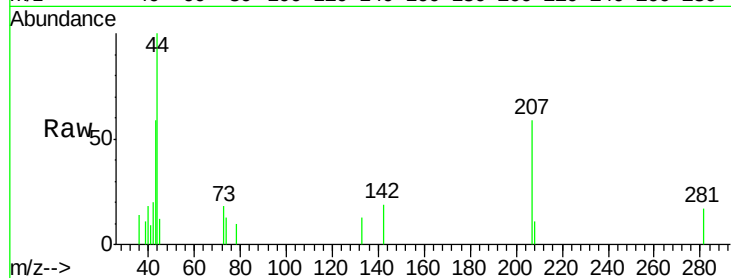




#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

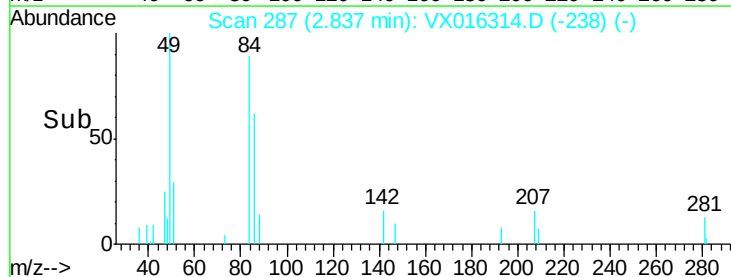
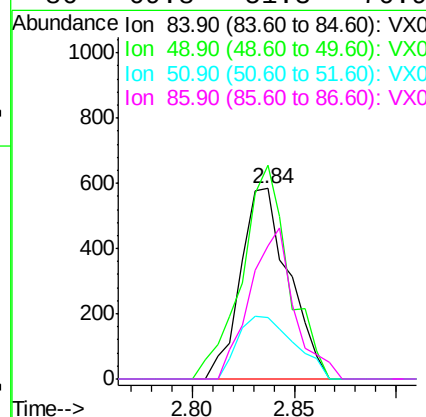
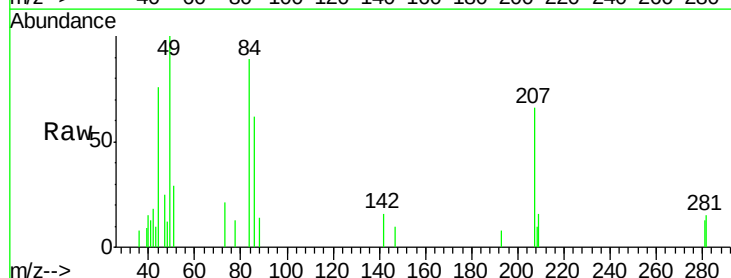
Instrument :
MSVOA_X
ClientSampleId :

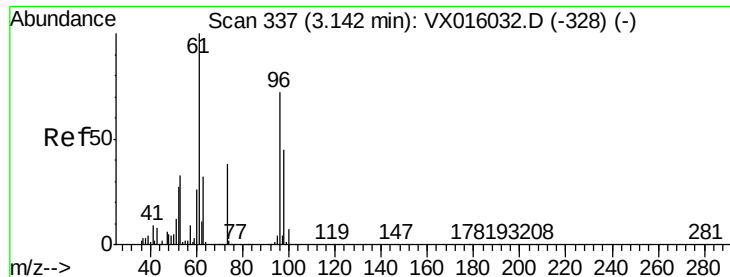
Tot Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 15.3 20.2 30.2#



#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion: 84 Resp: 962
Ion Ratio Lower Upper
84 100
49 112.3 97.3 145.9
51 32.1 29.3 43.9
86 69.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 4.064 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampled :

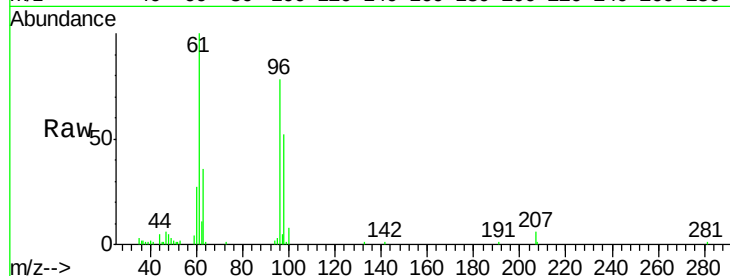
Tot Ion: 96 Resp: 12274

Ion Ratio Lower Upper

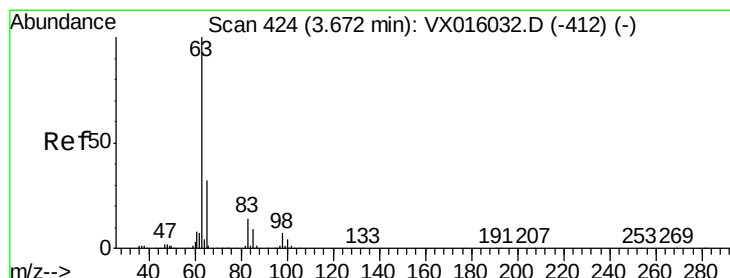
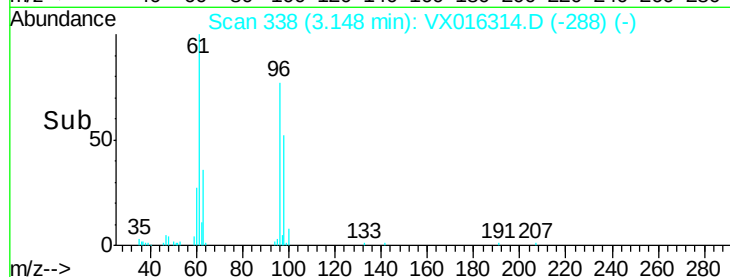
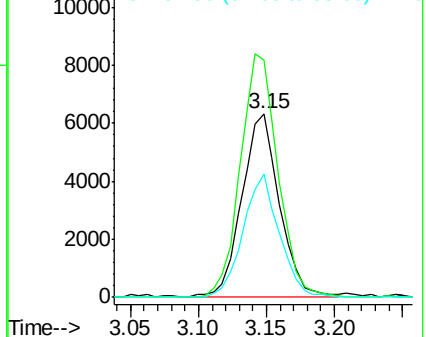
96 100

61 128.8 111.2 166.8

98 67.4 50.2 75.4



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



#24

1,1-Dichloroethane

Concen: 0.873 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

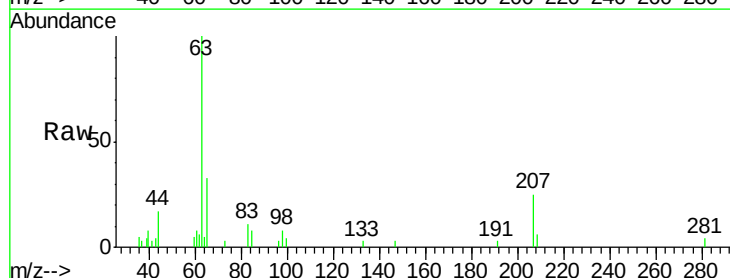
Tgt Ion: 63 Resp: 4580

Ion Ratio Lower Upper

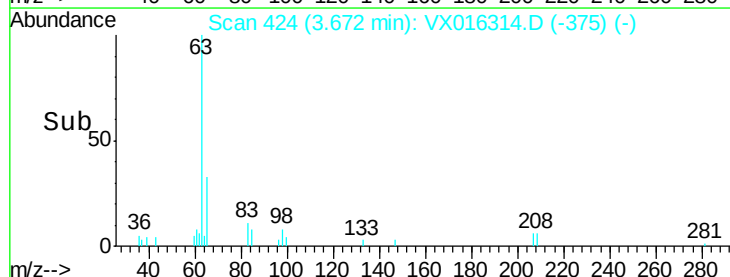
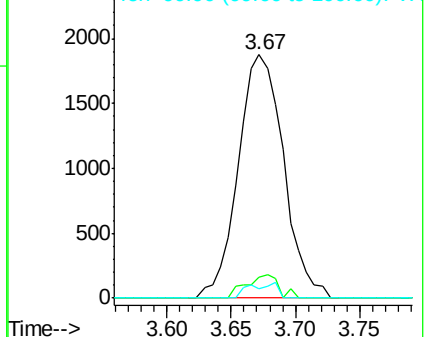
63 100

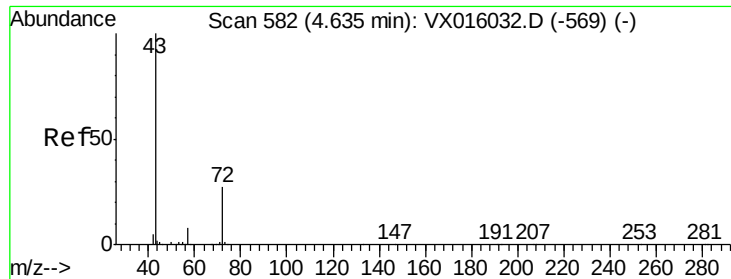
98 8.4 3.5 10.5

100 3.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.606 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

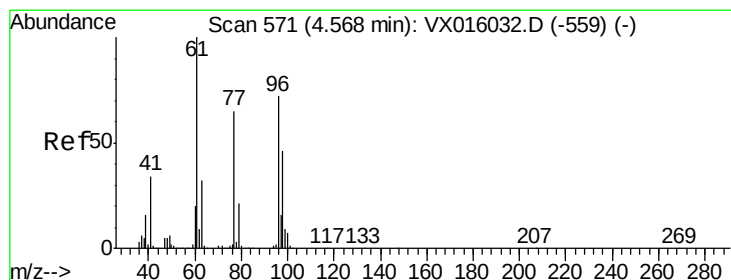
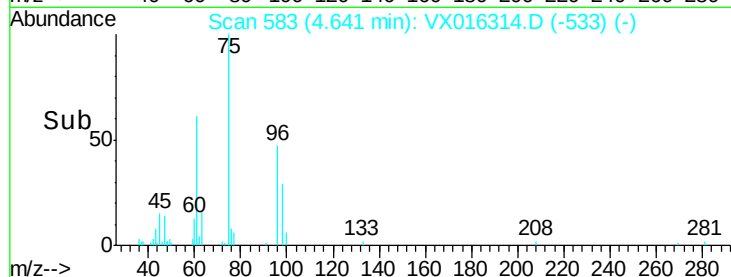
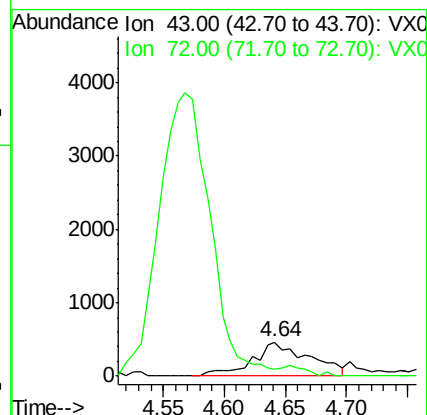
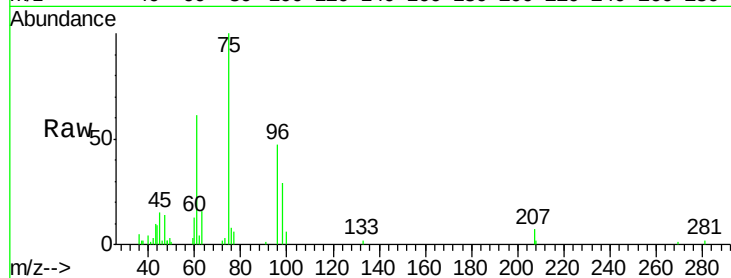
ClientSampleId :

Tot Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

72 20.1 21.8 32.8#



#27

cis-1,2-Dichloroethene

Concen: 432.584 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

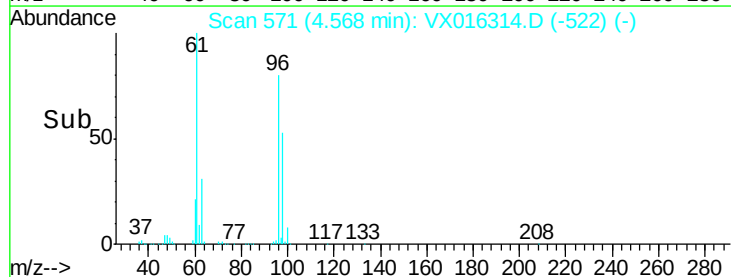
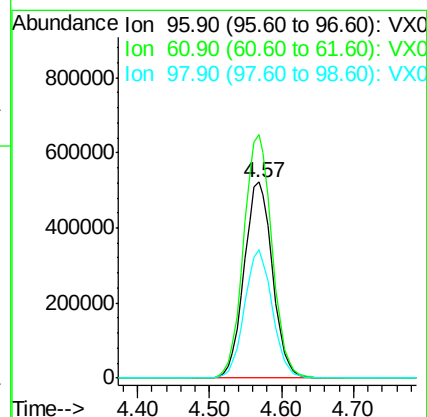
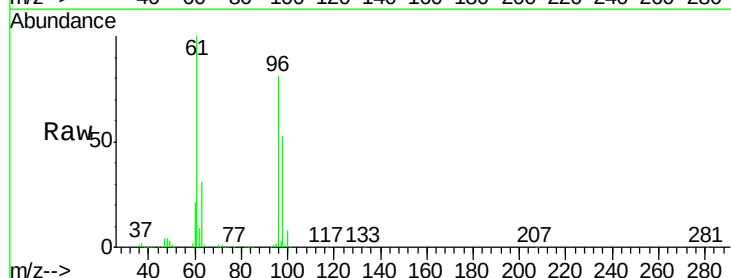
Tgt Ion: 96 Resp: 1428321

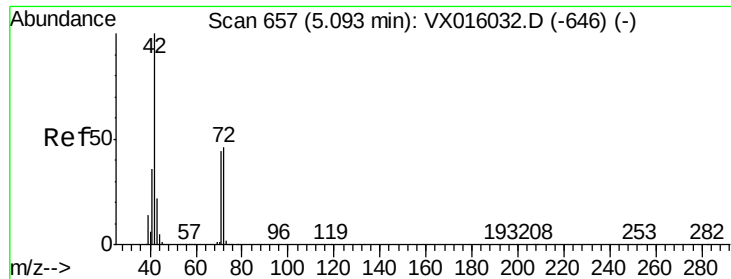
Ion Ratio Lower Upper

96 100

61 124.2 0.0 296.2

98 64.1 0.0 129.4





#29

Tetrahydrofuran

Concen: 0.402 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampled :

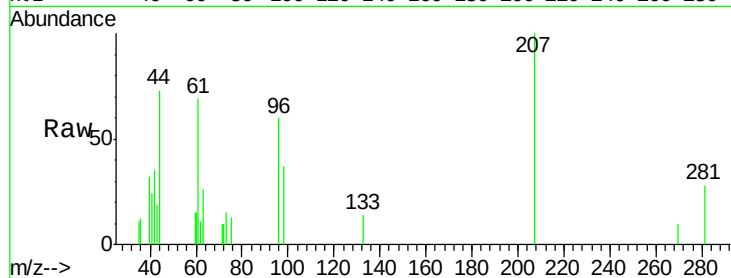
Tot Ion: 42 Resp: 657

Ion Ratio Lower Upper

42 100

72 7.3 37.1 55.7#

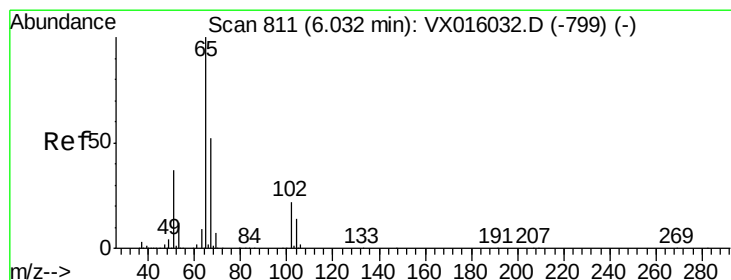
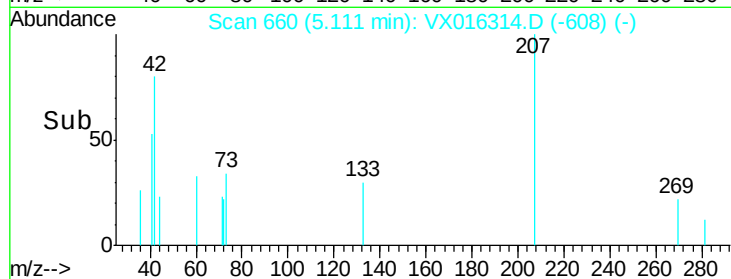
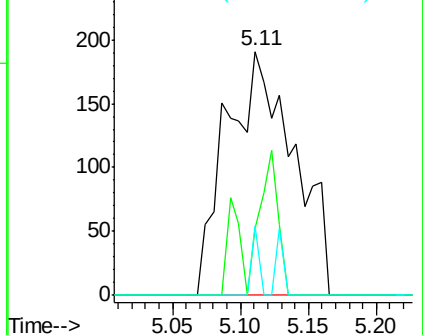
71 3.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.535 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016314.D

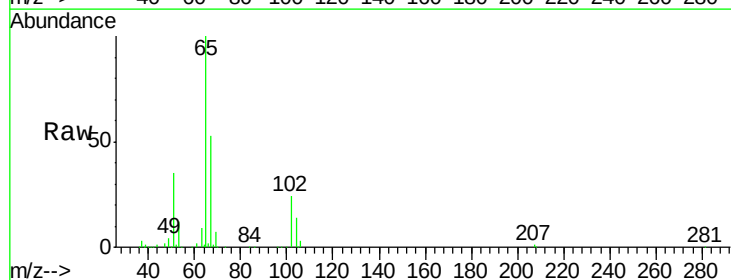
Acq: 18 May 2020 21:28

Tgt Ion: 65 Resp: 149362

Ion Ratio Lower Upper

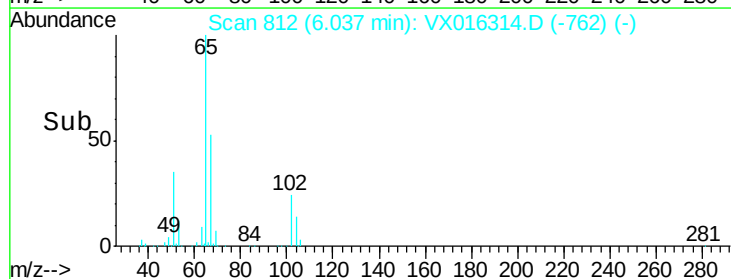
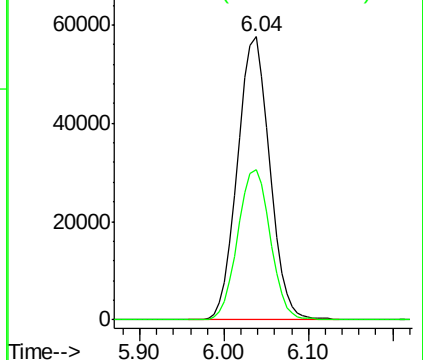
65 100

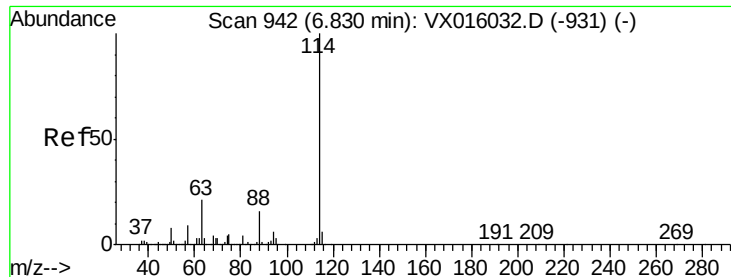
67 53.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

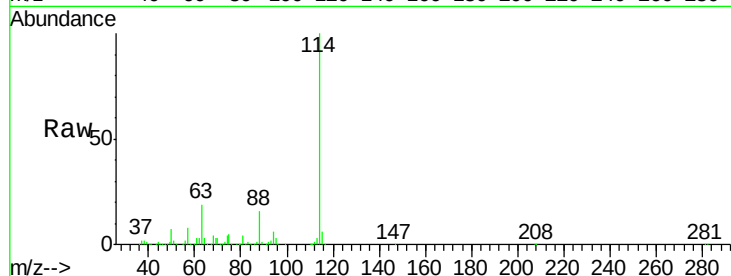
Tot Ion:114 Resp: 429270

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

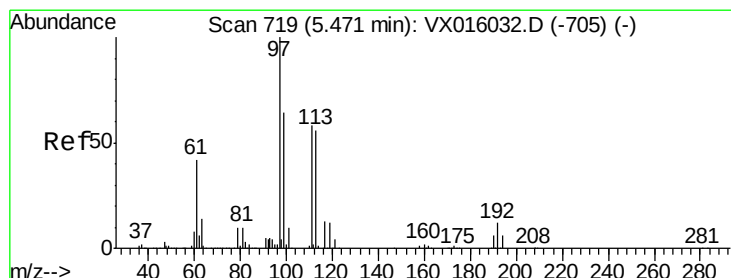
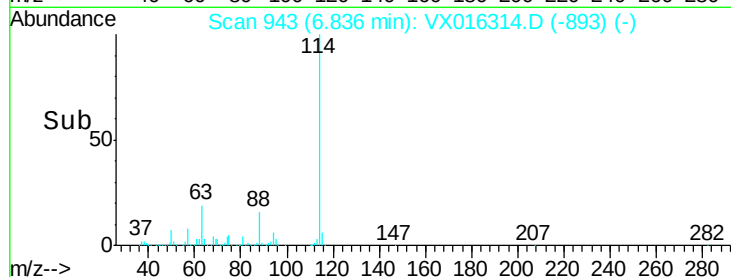
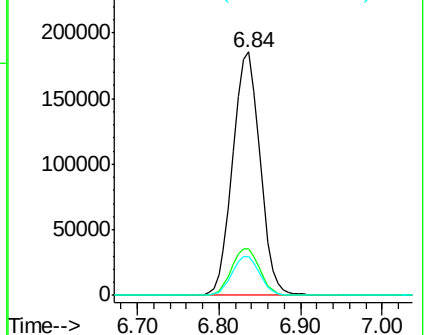
88 15.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.997 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

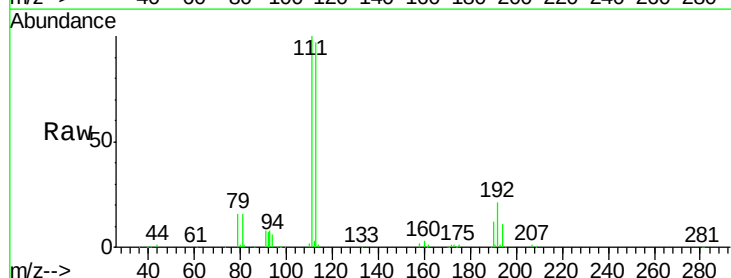
Tgt Ion:113 Resp: 125094

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

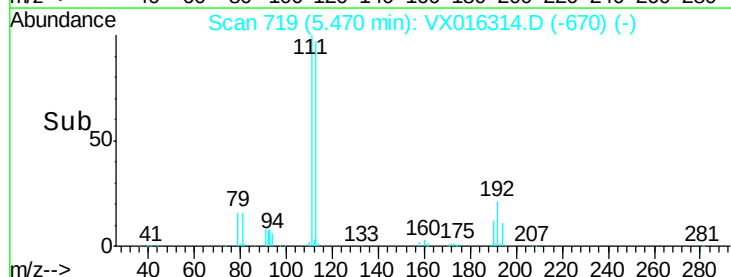
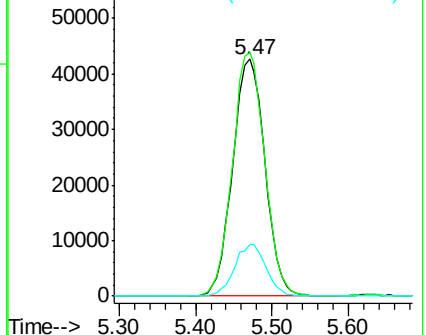
192 21.4 17.0 25.4

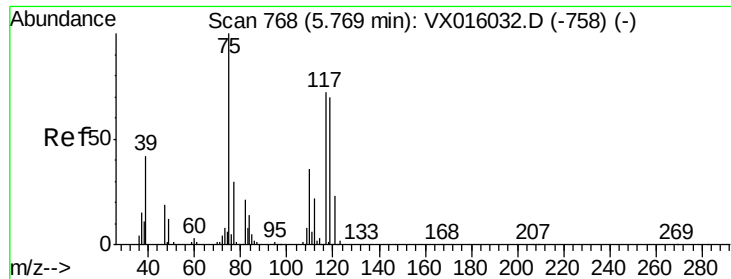


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

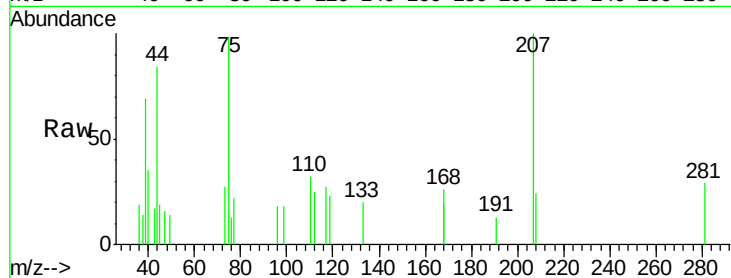




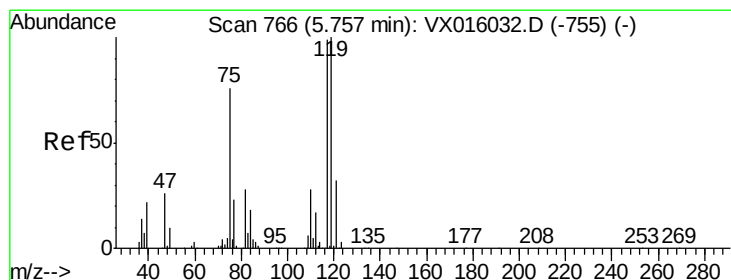
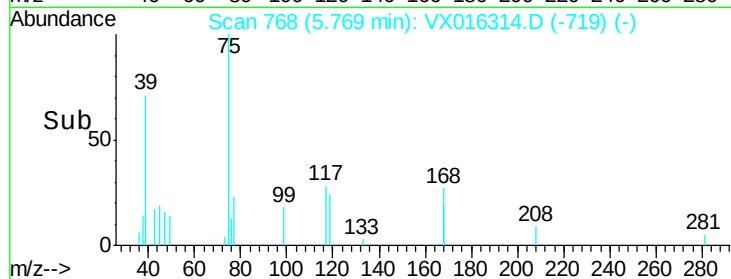
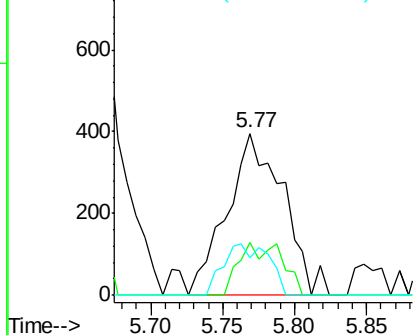
#36
 1,1-Dichloropropene
 Concen: 0.254 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	24.7	18.1	54.1
77	25.6	25.0	37.6

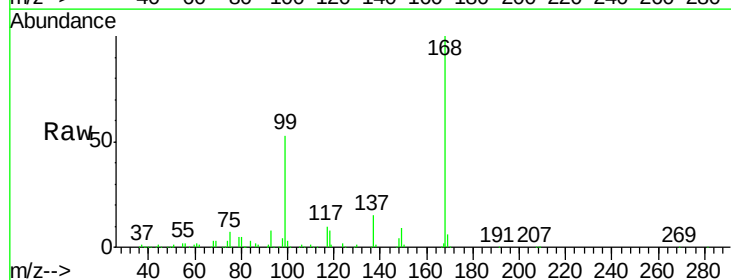


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

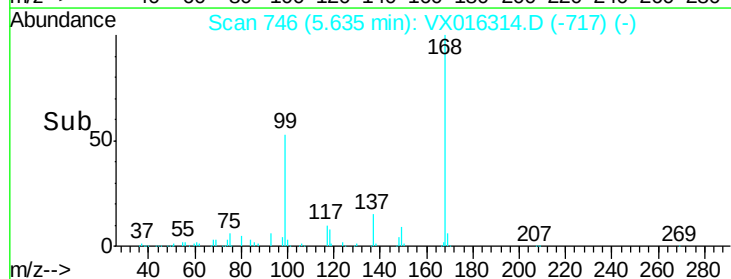
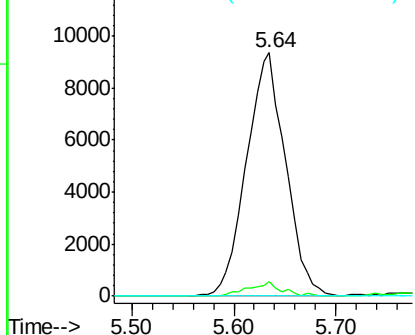


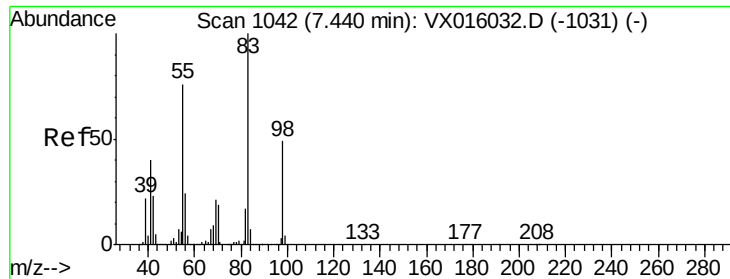
#38
 Carbon Tetrachloride
 Concen: 5.811 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	80.3	120.5#
121	0.0	25.7	38.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

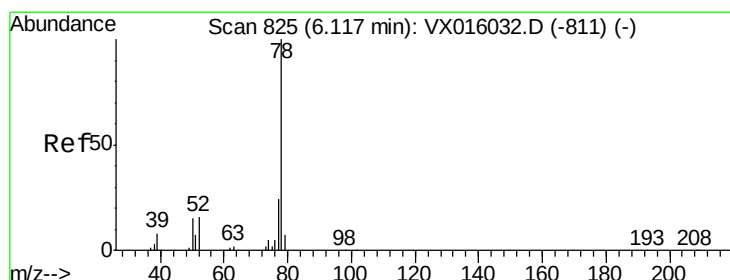
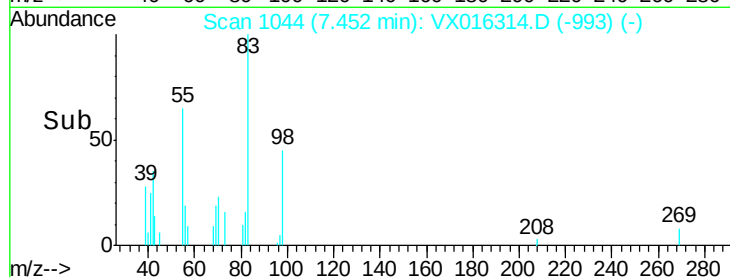
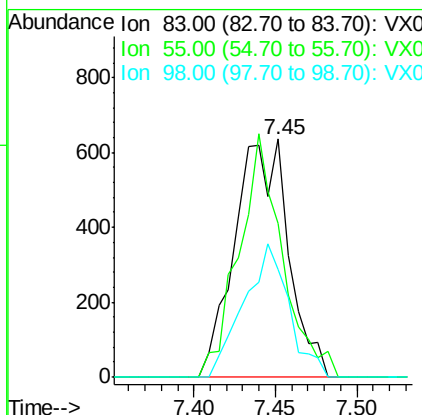
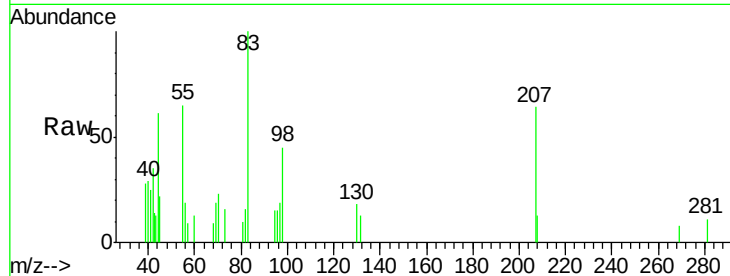




#39
Methylvlcyclohexane
Concen: 0.284 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

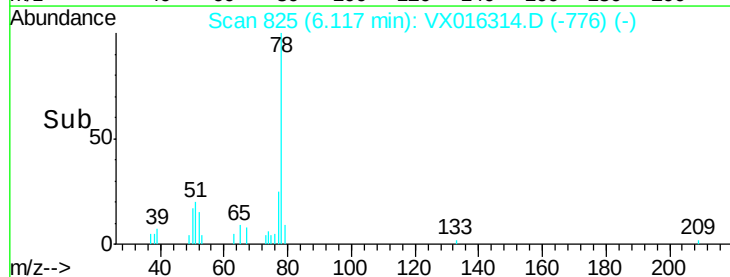
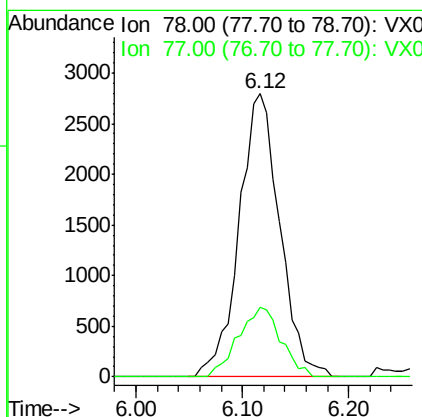
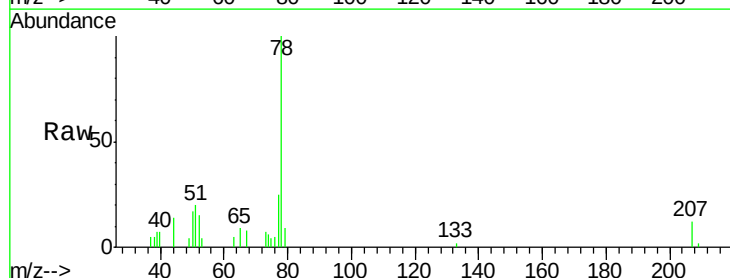
Instrument :
MSVOA_X
ClientSampleId :

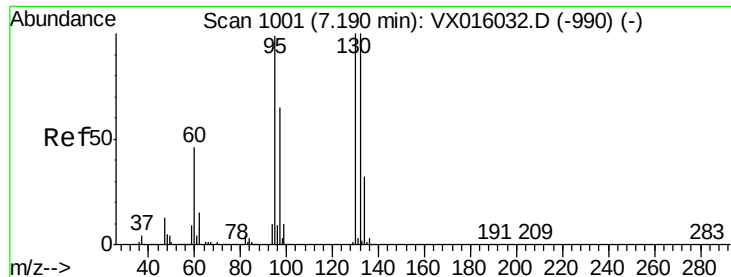
Tot Ion: 83 Resp: 1447
Ion Ratio Lower Upper
83 100
55 64.7 61.1 91.7
98 45.2 39.0 58.4



#40
Benzene
Concen: 0.605 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion: 78 Resp: 7478
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4





#44

Trichloroethene

Concen: 40.136 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

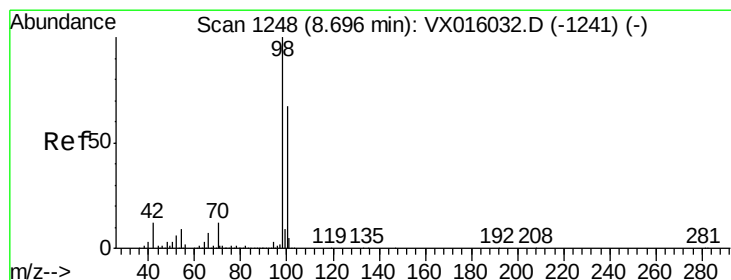
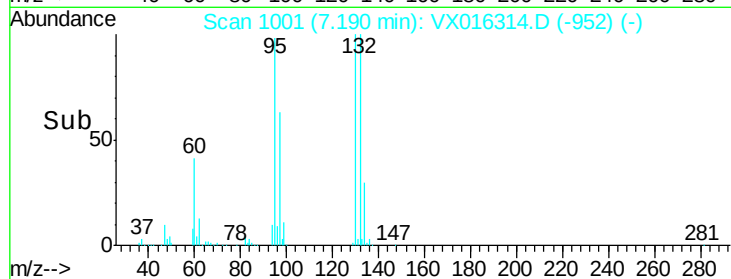
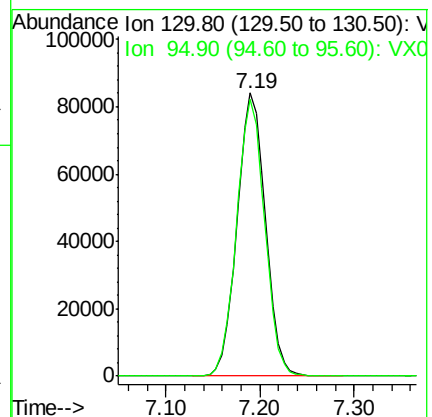
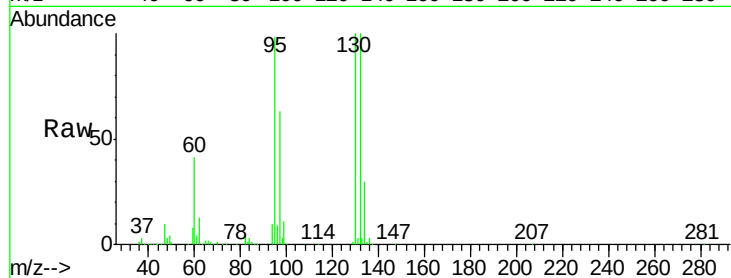
ClientSampleId :

Tot Ion:130 Resp: 176294

Ion Ratio Lower Upper

130 100

95 97.7 0.0 197.4



#50

Toluene-d8

Concen: 48.979 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016314.D

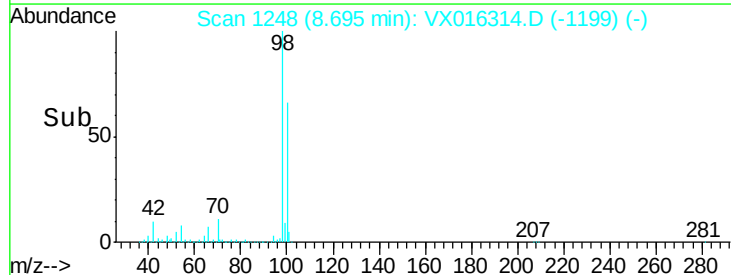
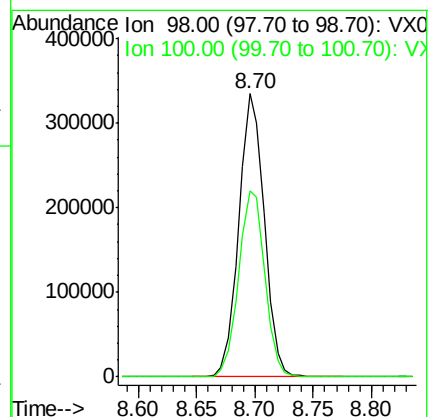
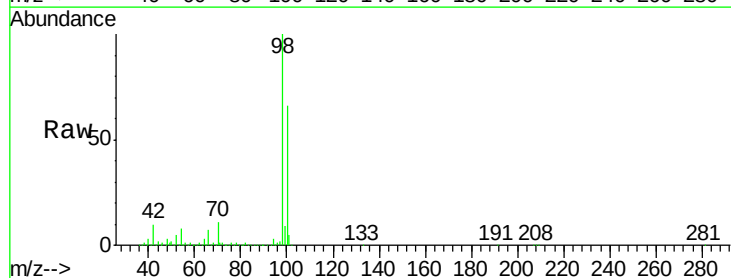
Acq: 18 May 2020 21:28

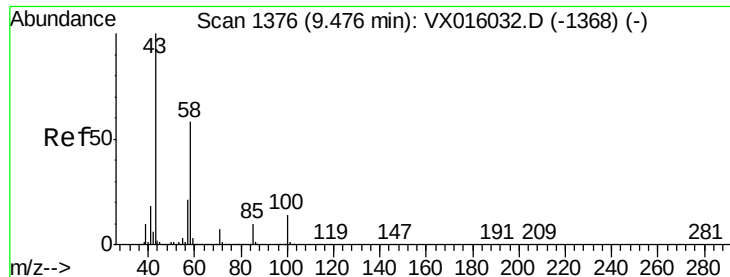
Tgt Ion: 98 Resp: 513241

Ion Ratio Lower Upper

98 100

100 67.6 53.7 80.5

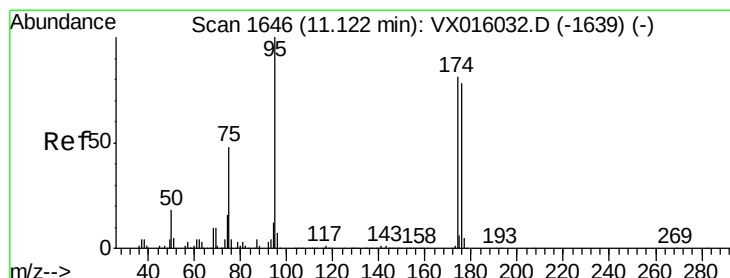
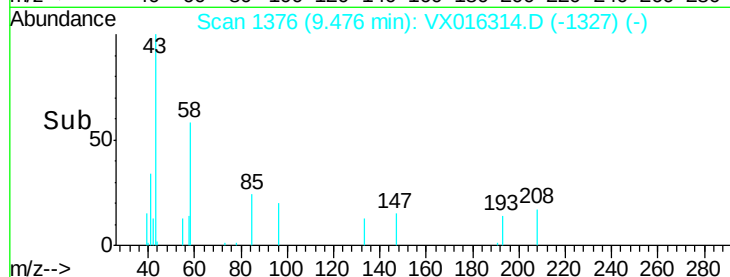
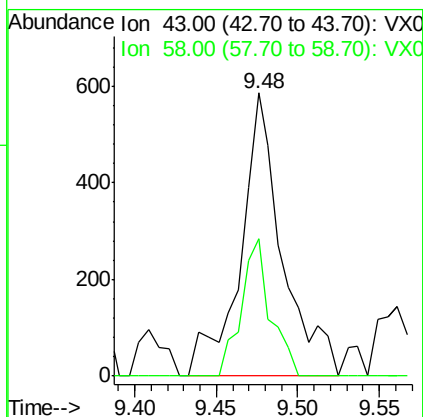
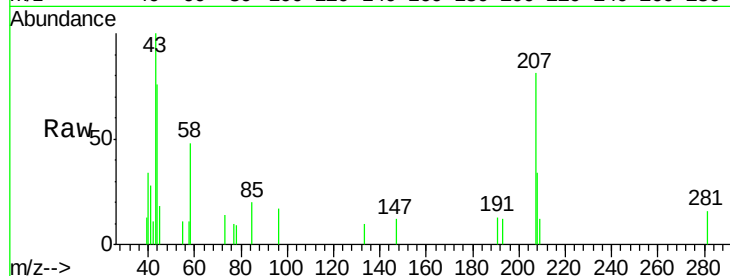




#59
2-Hexanone
Concen: 0.279 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

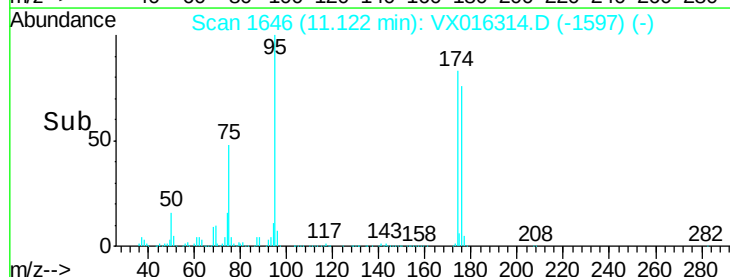
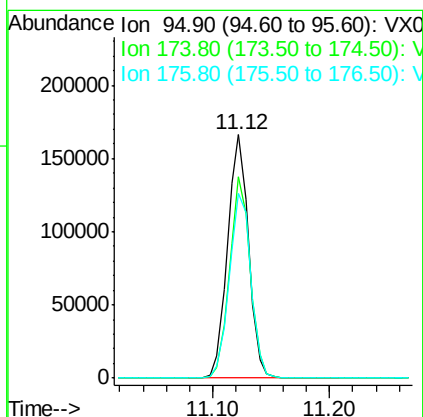
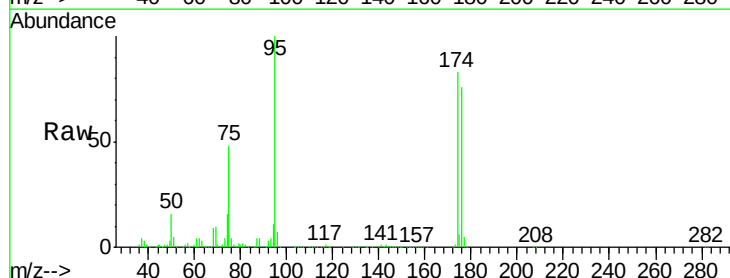
Instrument :
MSVOA_X
ClientSampleId :

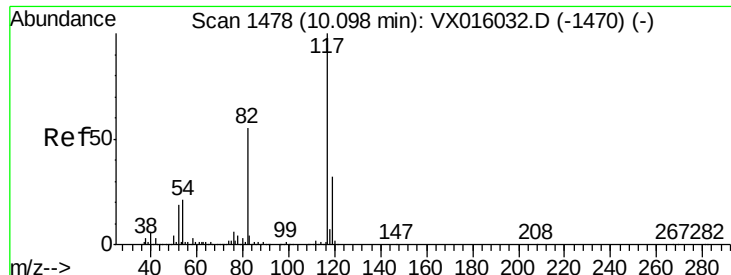
Tot Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 33.7 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 52.116 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion: 95 Resp: 207715
Ion Ratio Lower Upper
95 100
174 81.2 0.0 159.4
176 78.5 0.0 157.6

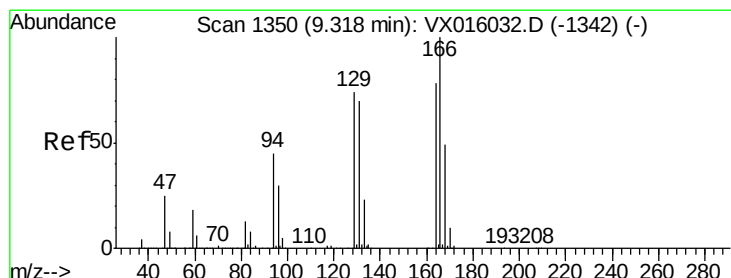
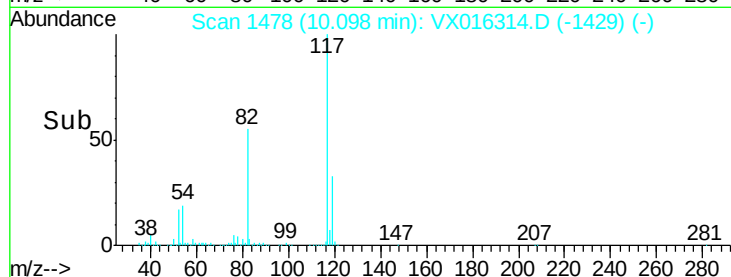
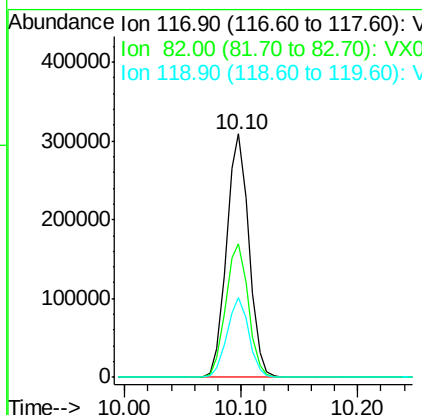
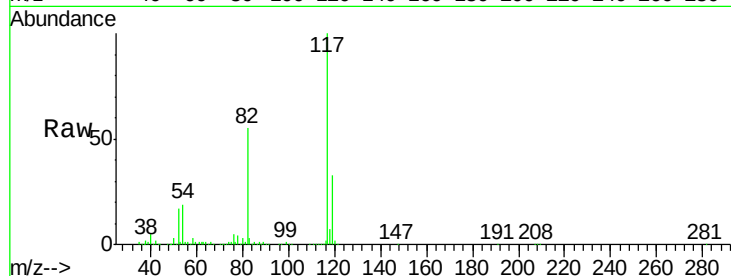




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

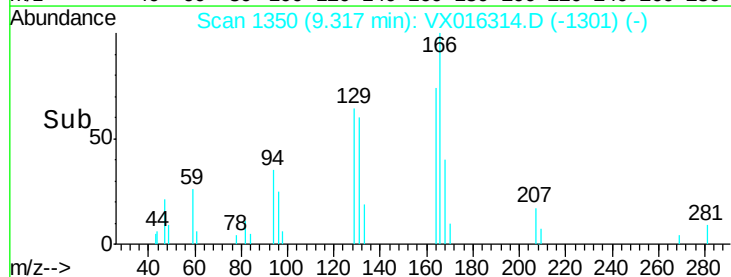
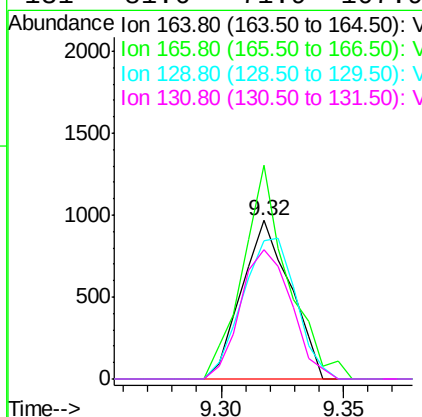
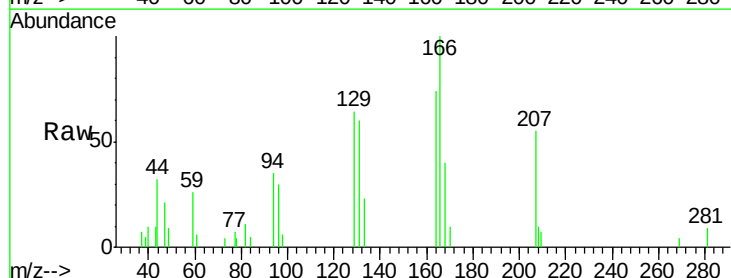
Instrument :
MSVOA_X
ClientSampleId :

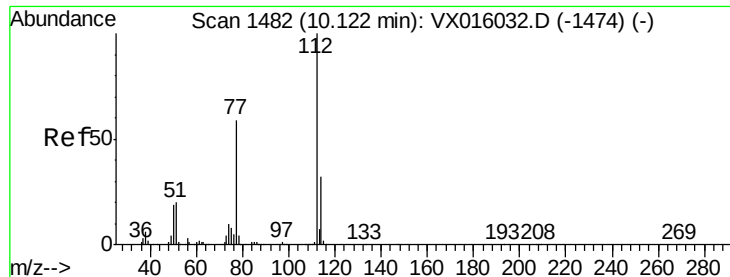
Tot Ion:117 Resp: 412503
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion:164 Resp: 1336
Ion Ratio Lower Upper
164 100
166 135.0 102.9 154.3
129 87.0 76.1 114.1
131 81.6 71.9 107.9





#65

Chlorobenzene

Concen: 5.848 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

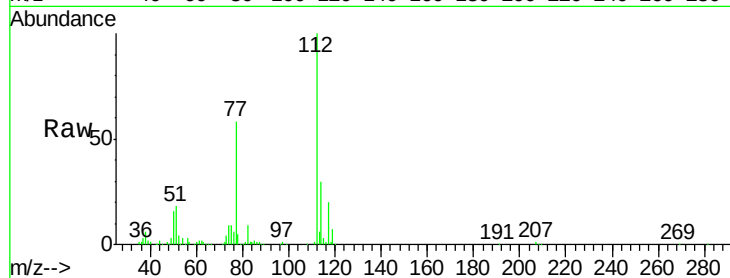
ClientSampleId :

Tot Ion:112 Resp: 50515

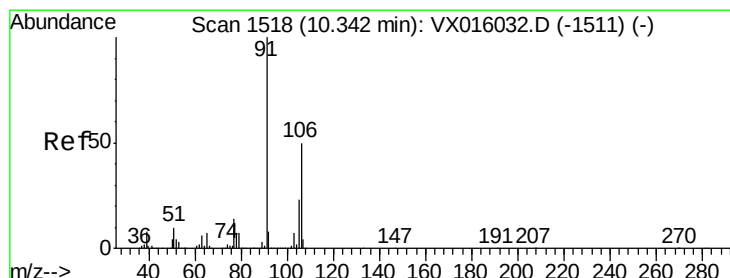
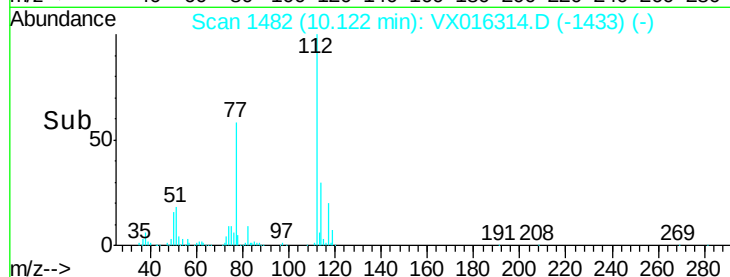
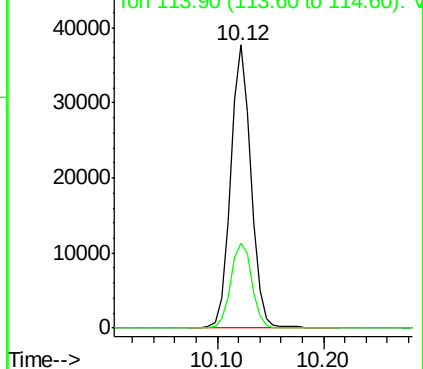
Ion Ratio Lower Upper

112 100

114 30.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V



#68

m/p-Xylenes

Concen: 0.243 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX016314.D

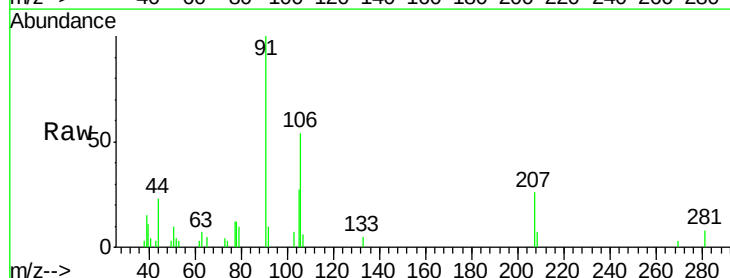
Acq: 18 May 2020 21:28

Tgt Ion:106 Resp: 1403

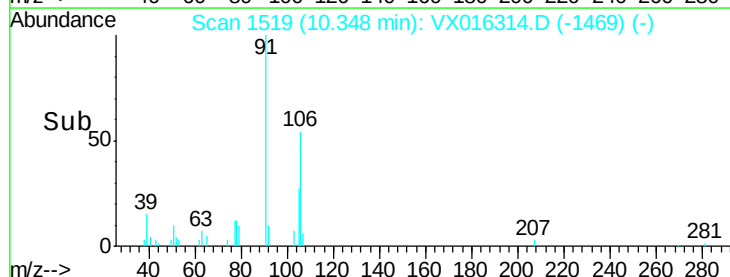
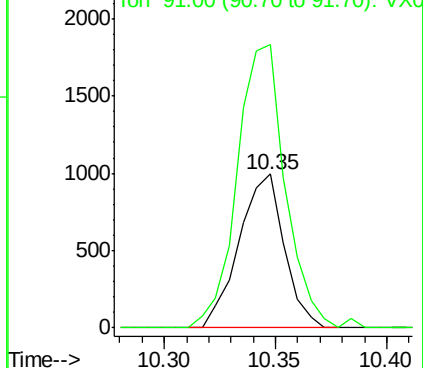
Ion Ratio Lower Upper

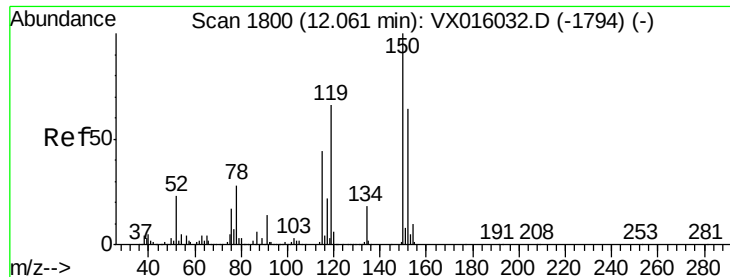
106 100

91 197.9 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

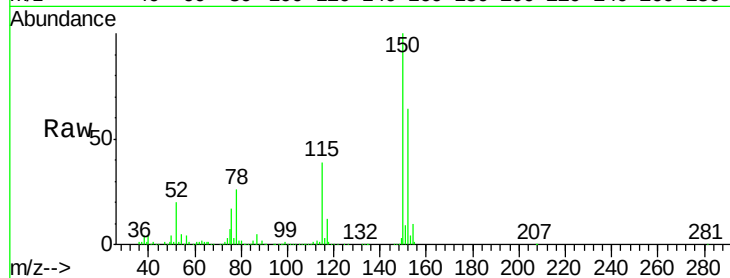
Tot Ion:152 Resp: 206418

Ion Ratio Lower Upper

152 100

115 59.7 41.3 124.1

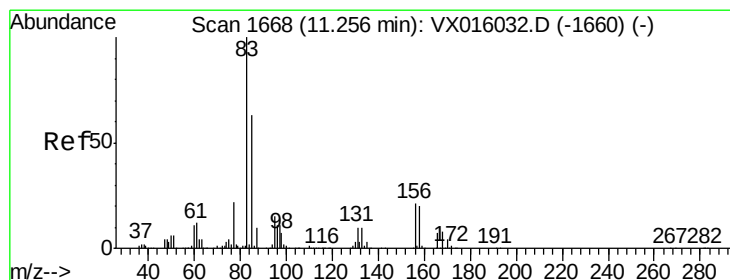
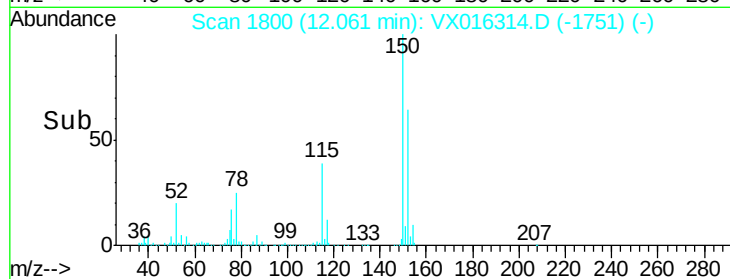
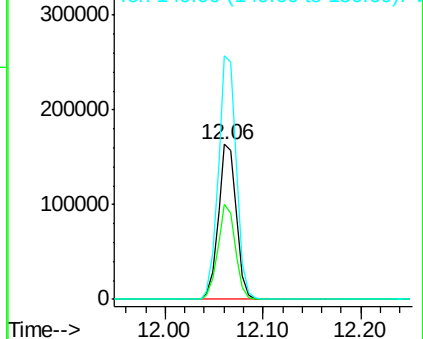
150 157.4 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.110 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

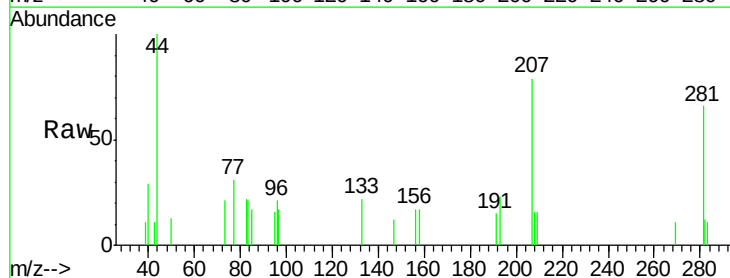
Tgt Ion: 83 Resp: 170

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

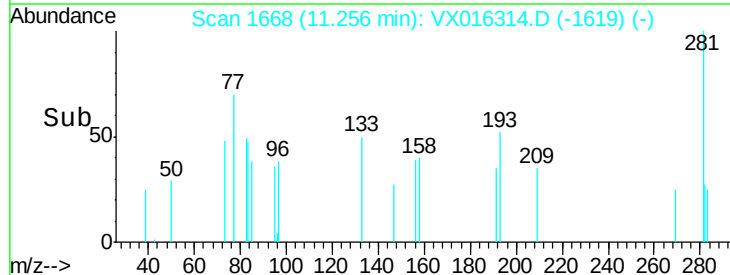
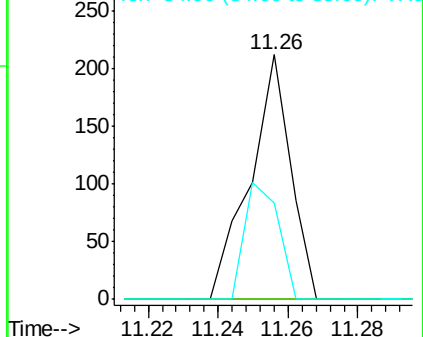
85 39.4 32.0 96.0

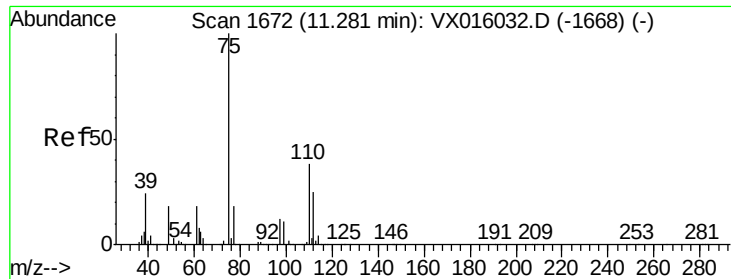


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.266 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

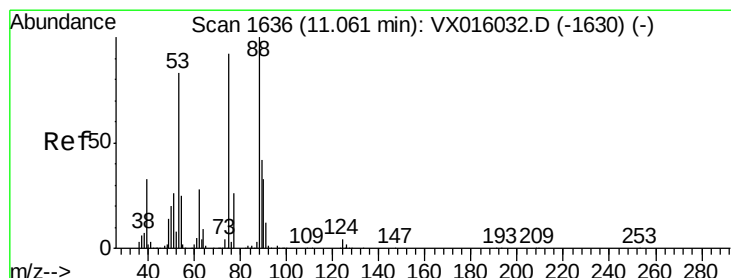
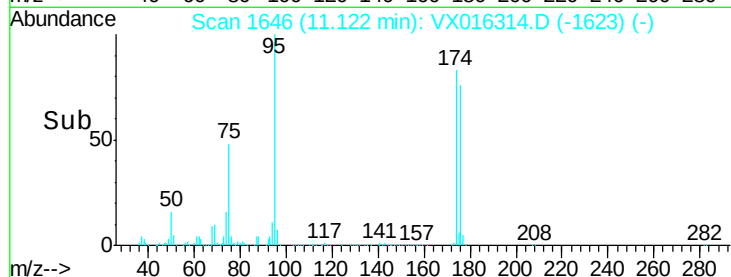
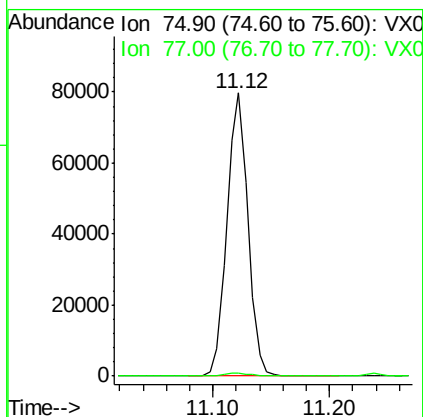
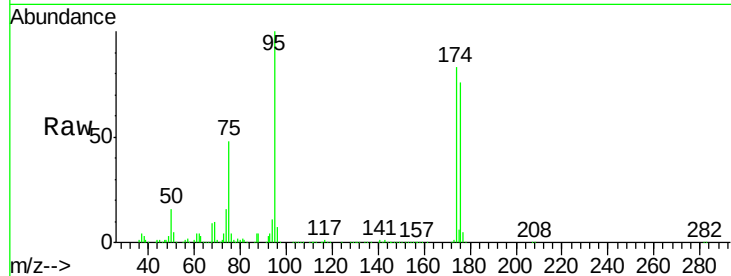
ClientSampled :

Tot Ion: 75 Resp: 99614

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.679 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

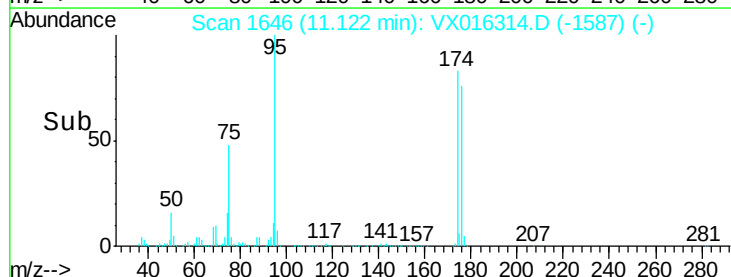
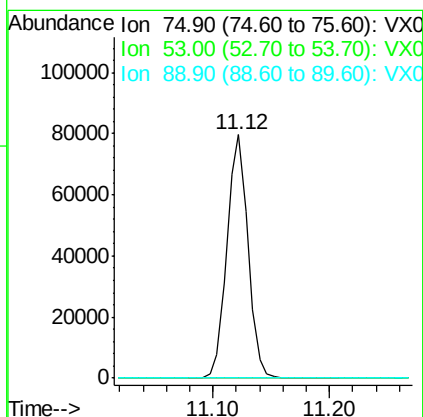
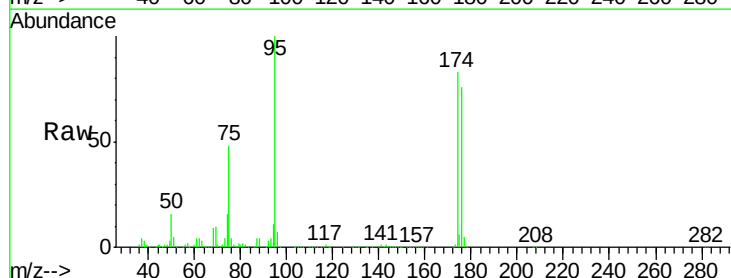
Tgt Ion: 75 Resp: 99614

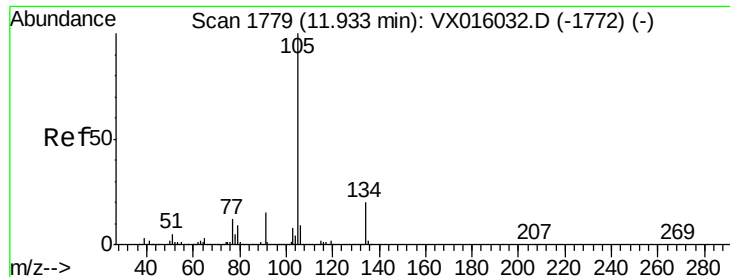
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#85

sec-Butylbenzene

Concen: 0.239 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

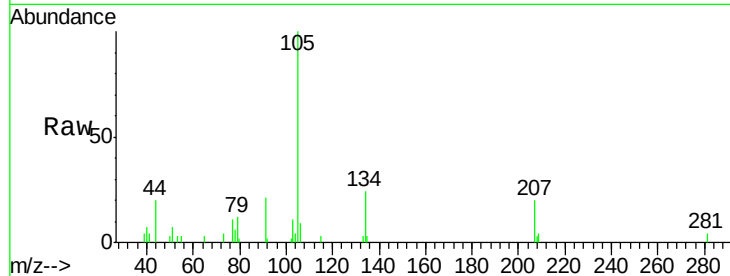
ClientSampleId :

Tot Ion:105 Resp: 3525

Ion Ratio Lower Upper

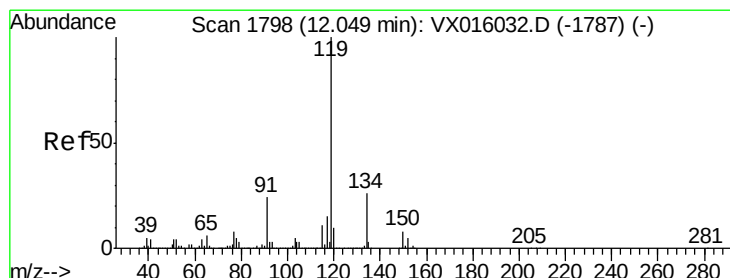
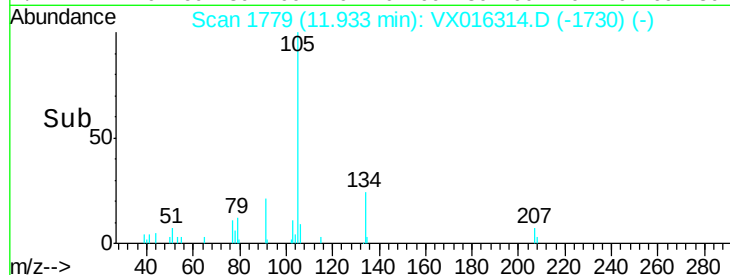
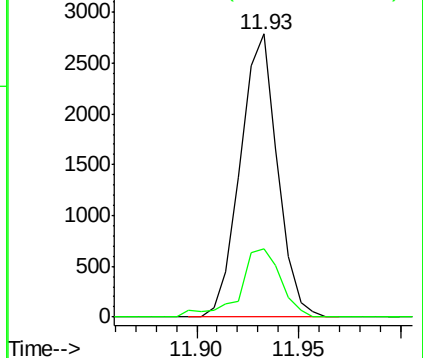
105 100

134 26.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.247 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

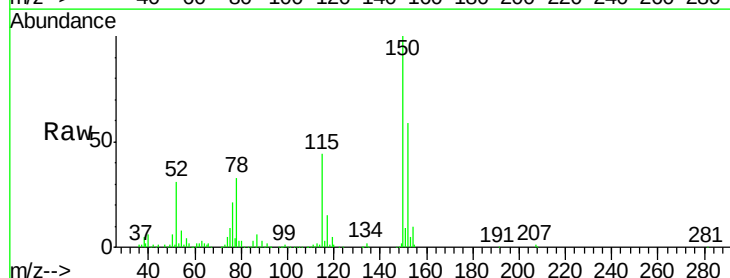
Tgt Ion:119 Resp: 3387

Ion Ratio Lower Upper

119 100

134 29.7 13.1 39.3

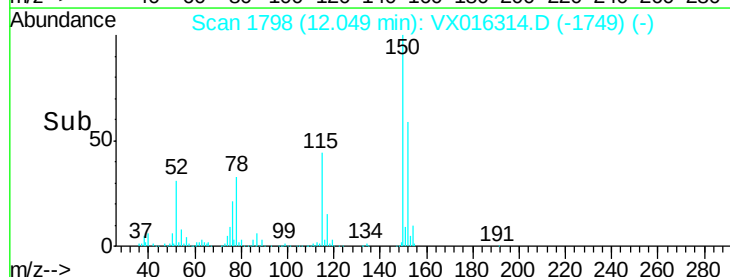
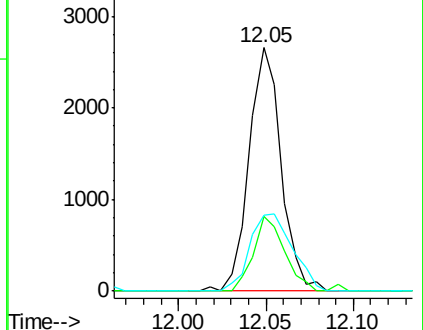
91 42.2 11.8 35.4#

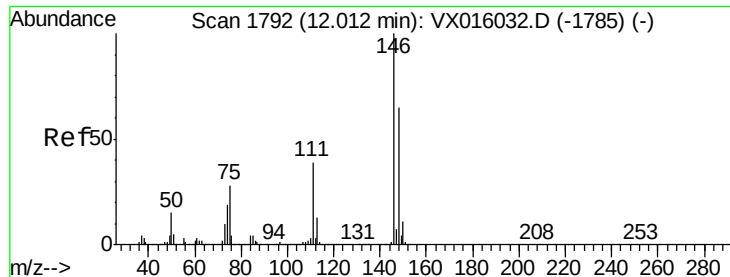


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.479 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016314.D

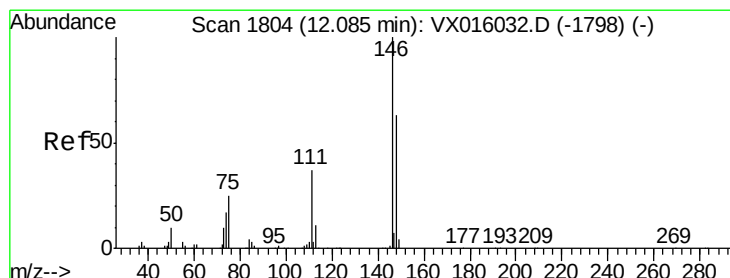
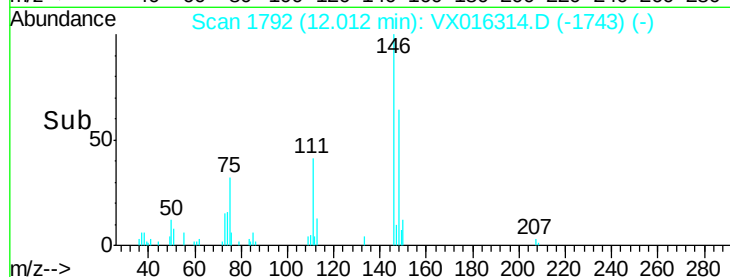
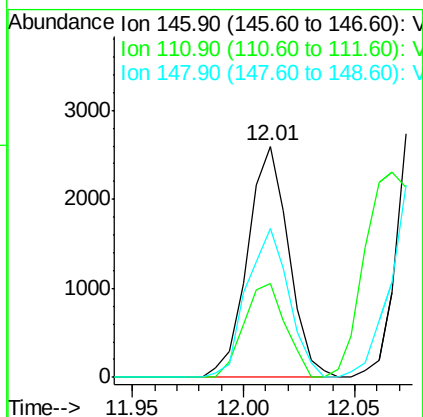
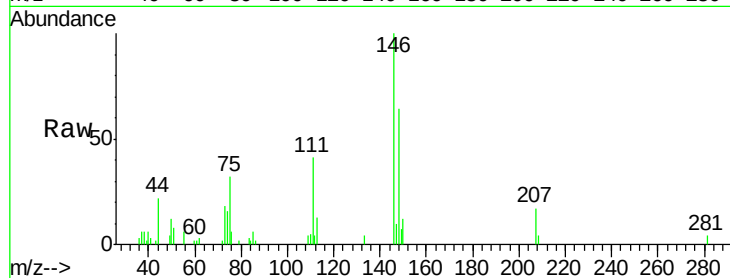
Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	146	Resp:	3335
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	66.0	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 0.472 ug/l

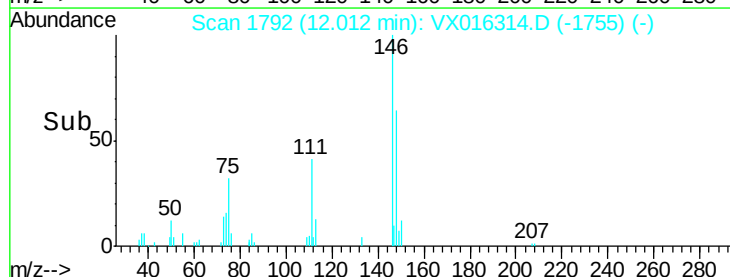
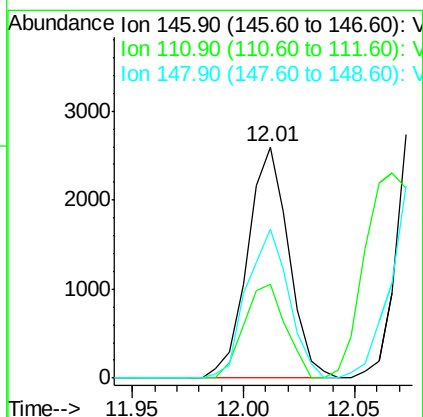
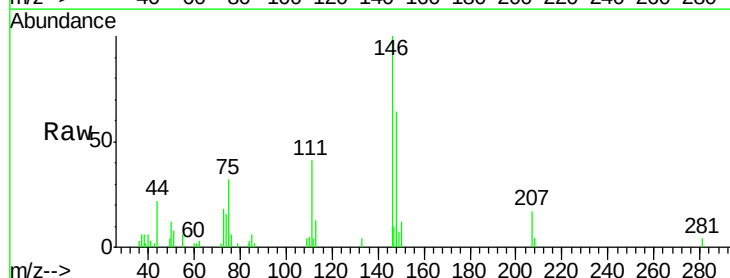
RT: 12.01 min Scan# 1792

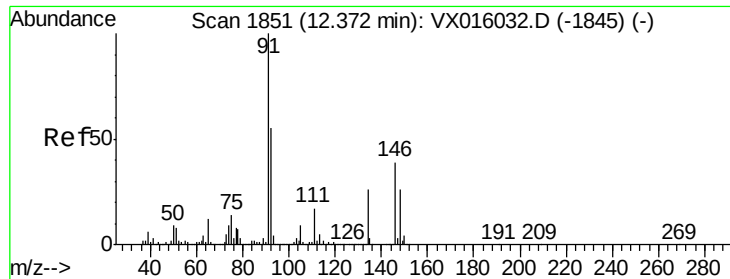
Delta R.T. -0.07 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	146	Resp:	3335
Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.7
148	66.0	31.8	95.3

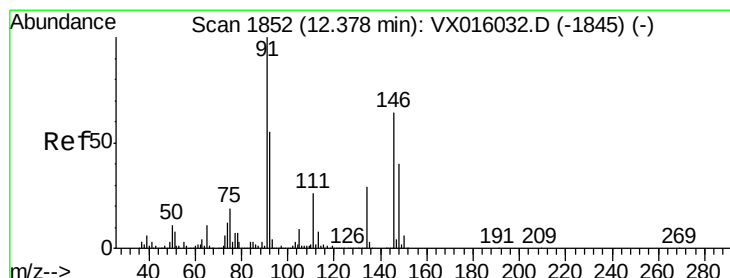
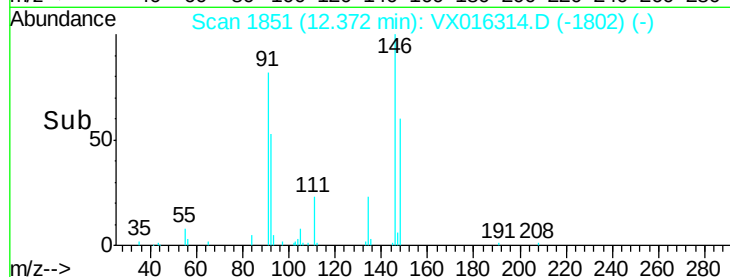
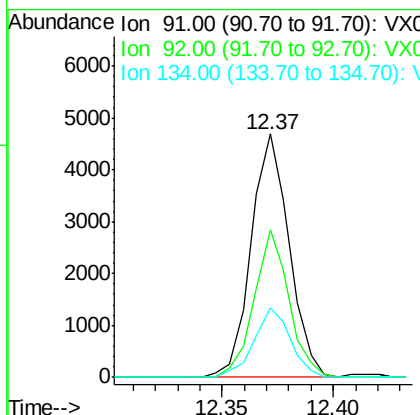
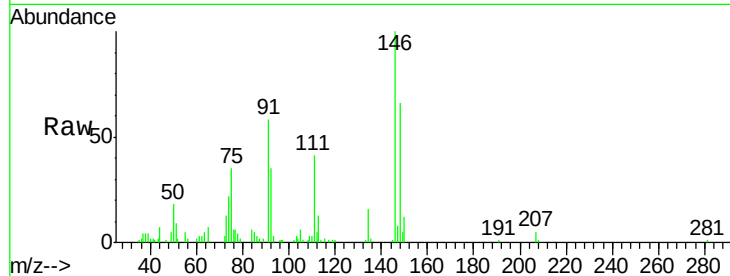




#89
n-Butylbenzene
Concen: 0.445 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

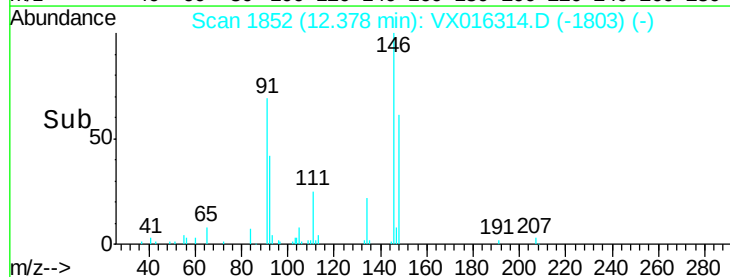
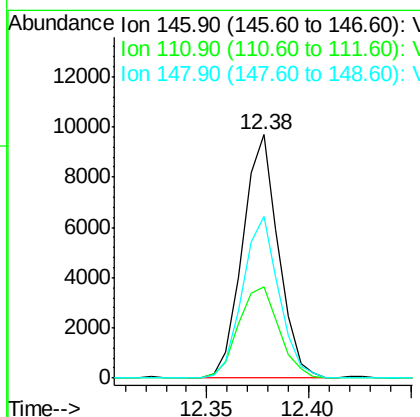
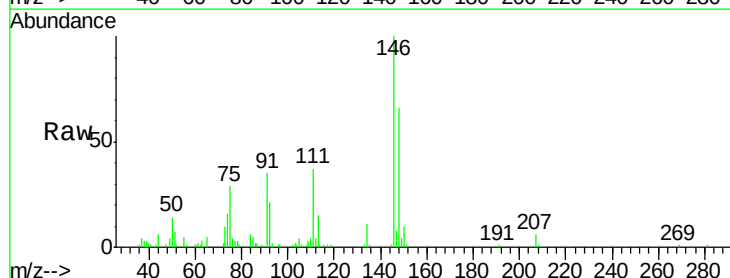
Instrument :
MSVOA_X
ClientSampleId :

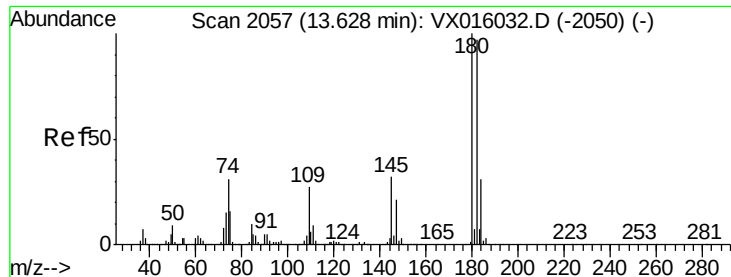
Tot Ion: 91 Resp: 5565
Ion Ratio Lower Upper
91 100
92 55.7 27.6 82.7
134 27.3 13.4 40.1



#91
1,2-Dichlorobenzene
Concen: 1.762 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion: 146 Resp: 11808
Ion Ratio Lower Upper
146 100
111 42.1 21.1 63.1
148 67.2 32.4 97.0

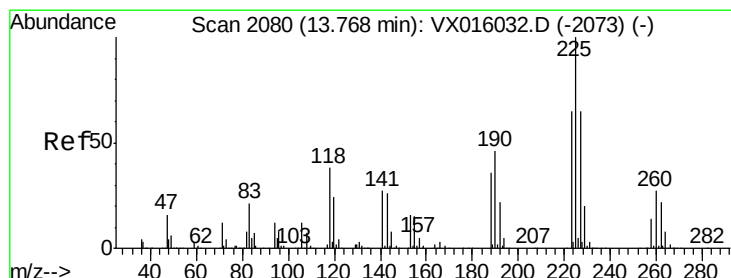
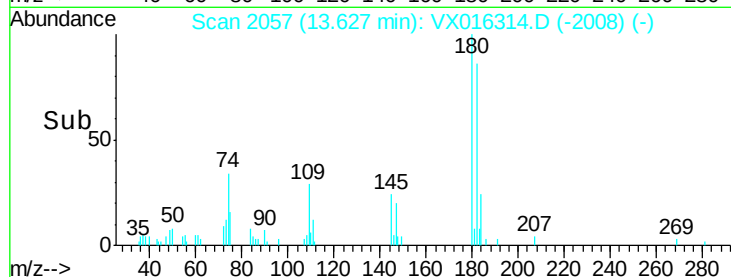
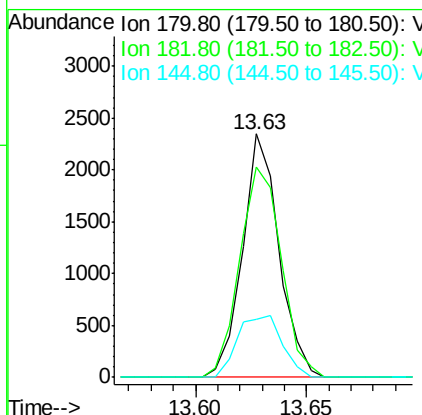
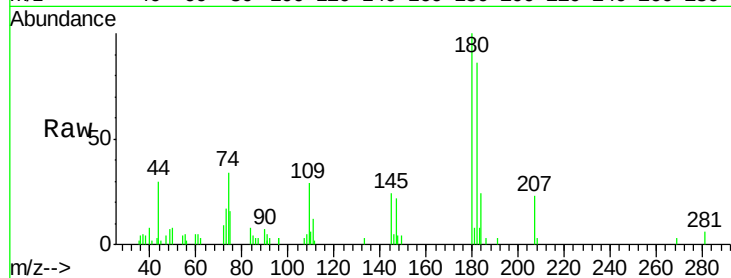




#93
 1,2,4-Trichlorobenzene
 Concen: 0.540 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

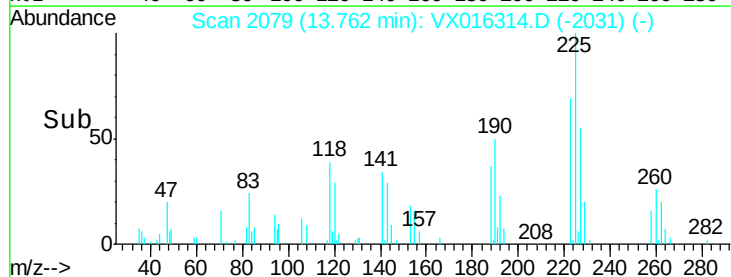
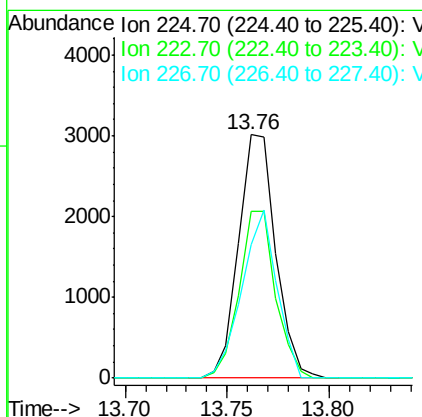
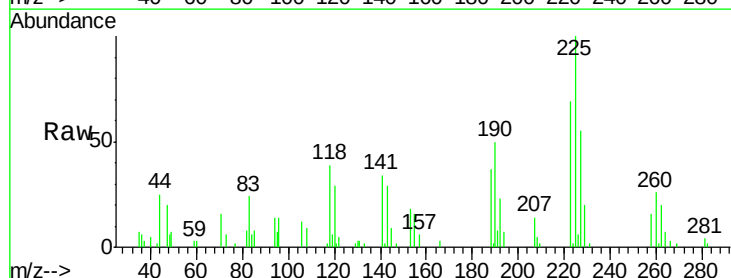
Instrument :
 MSVOA_X
 ClientSampleId :

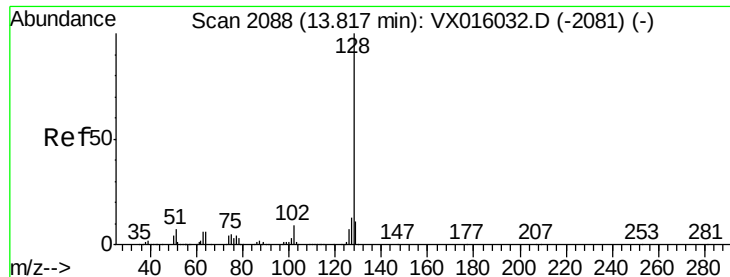
Tot Ion:180 Resp: 2680
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.7 146.1
 145 30.9 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 2.291 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion:225 Resp: 3815
 Ion Ratio Lower Upper
 225 100
 223 67.3 32.3 96.9
 227 64.7 31.8 95.4





#95

Naphthalene

Concen: 0.376 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

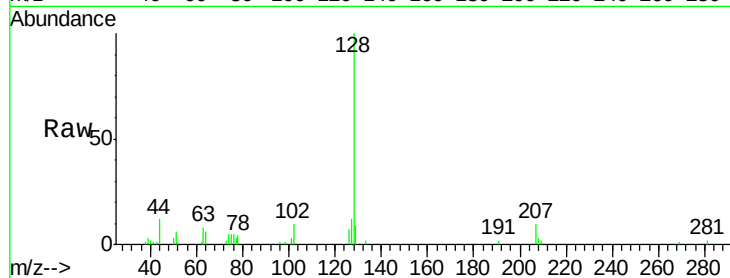
Tot Ion:128 Resp: 6037

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

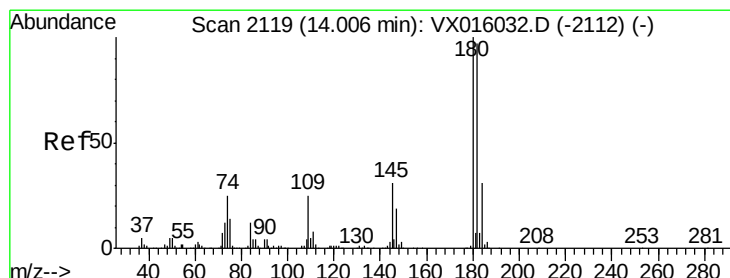
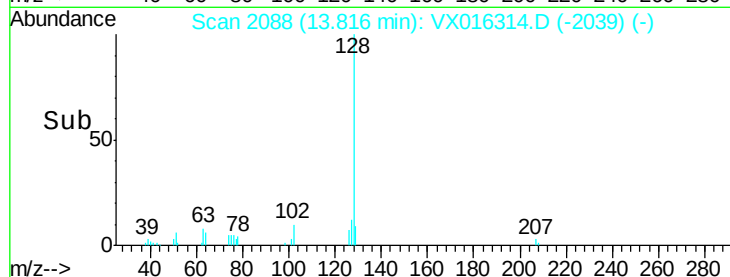
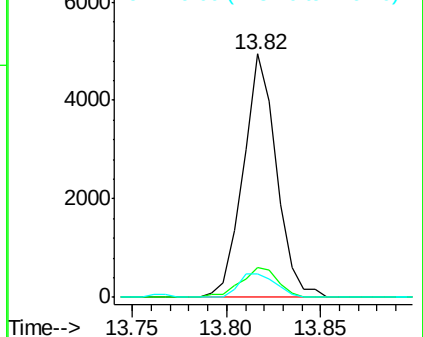
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.562 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

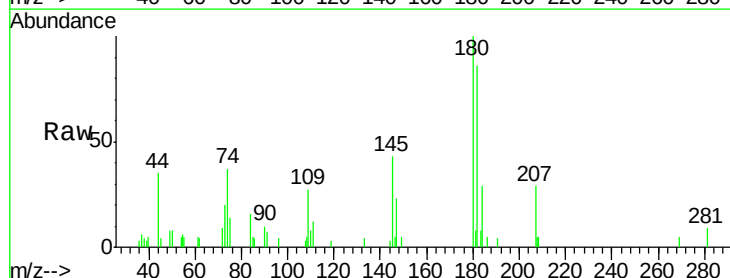
Tgt Ion:180 Resp: 2726

Ion Ratio Lower Upper

180 100

182 90.0 48.4 145.0

145 32.7 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

