

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019512.D
 Acq On : 20 Nov 2020 23:16
 Operator : JC/MD
 Sample : VX1121WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBL02

Quant Time: Nov 21 04:51:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	472395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	405889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	170241	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	177897	47.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.68%	
35) Dibromofluoromethane		5.46	113	138814	46.81	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.62%	
50) Toluene-d8		8.70	98	550044	47.74	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.48%	
62) 4-Bromofluorobenzene		11.12	95	183702	44.31	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.62%	

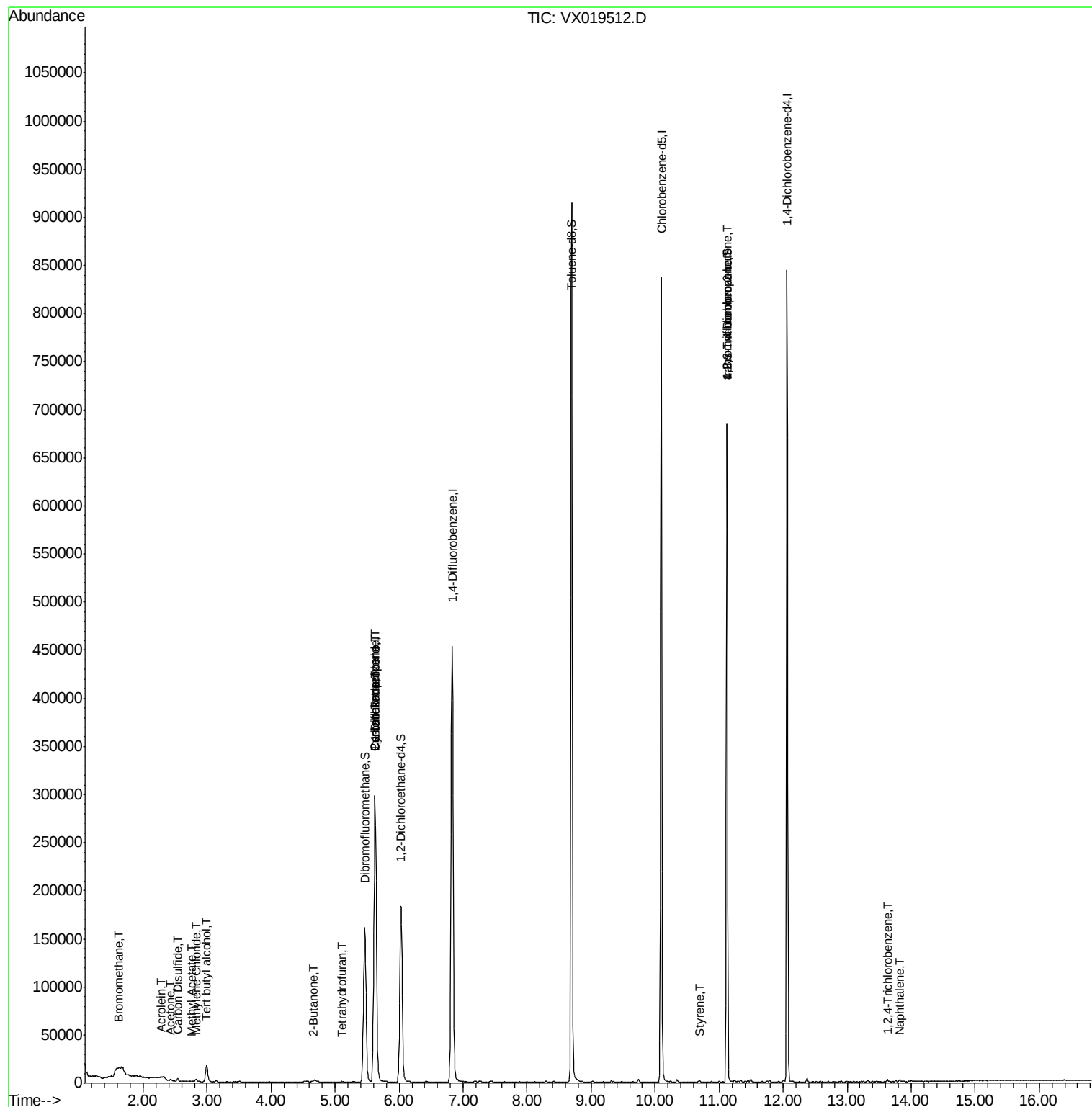
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	589	0.447	ug/l #	65
6) Chloroethane	1.68	64	124	Below Cal	#	1
11) Tert butyl alcohol	2.99	59	10952	15.400	ug/l #	76
13) Acrolein	2.27	56	118	0.247	ug/l #	1
16) Acetone	2.43	43	1239	0.853	ug/l #	72
17) Carbon Disulfide	2.54	76	2917	0.377	ug/l #	95
18) Methyl Acetate	2.75	43	822	0.862	ug/l #	72
20) Methylene Chloride	2.83	84	1247	0.343	ug/l	93
25) 2-Butanone	4.66	43	580	0.266	ug/l #	45
29) Tetrahydrofuran	5.10	42	488	0.350	ug/l #	40
31) Cyclohexane	5.62	56	6286	1.286	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	21823	4.928	ug/l #	50
38) Carbon Tetrachloride	5.62	117	28439	6.634	ug/l #	17
70) Styrene	10.70	104	583	1.704	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	89481	24.085	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89481	63.777	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	854	0.240	ug/l	85
95) Naphthalene	13.82	128	1335	2.280	ug/l	96

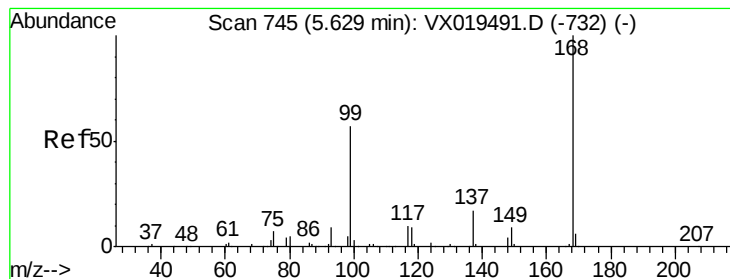
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019512.D
Acq On : 20 Nov 2020 23:16
Operator : JC/MD
Sample : VX1121WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL02

Quant Time: Nov 21 04:51:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

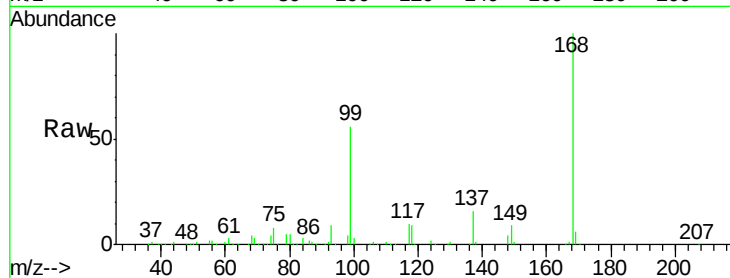
VX1121WBL02

Tot Ion:168 Resp: 289820

Ion Ratio Lower Upper

168 100

99 55.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

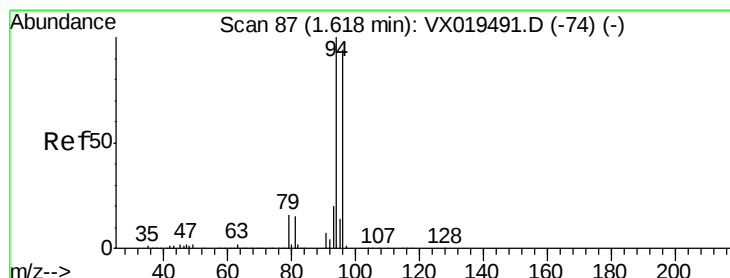
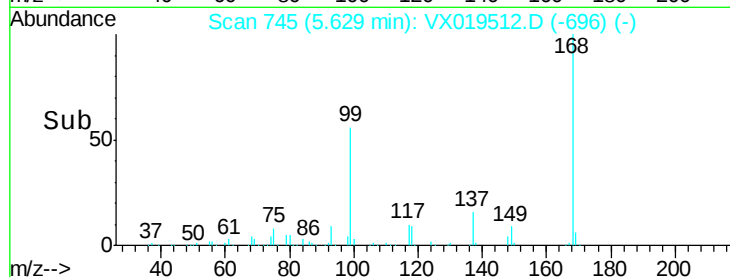
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019512.D

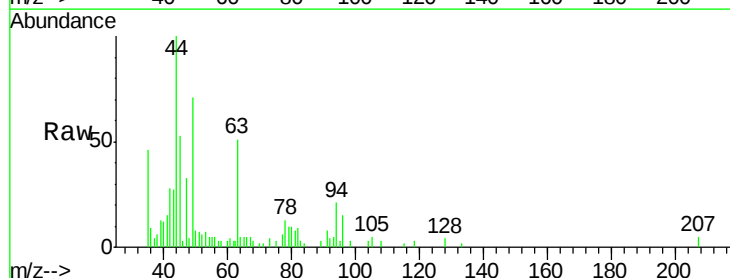
Acq: 20 Nov 2020 23:16

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 61.1 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

500

400

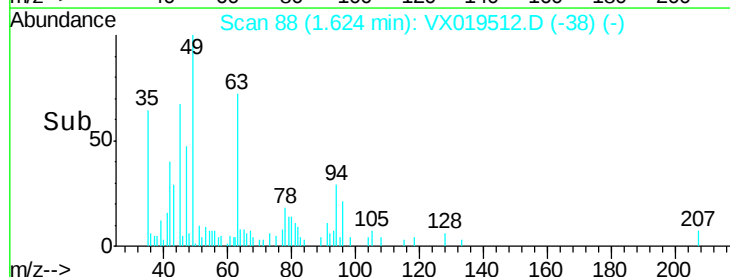
300

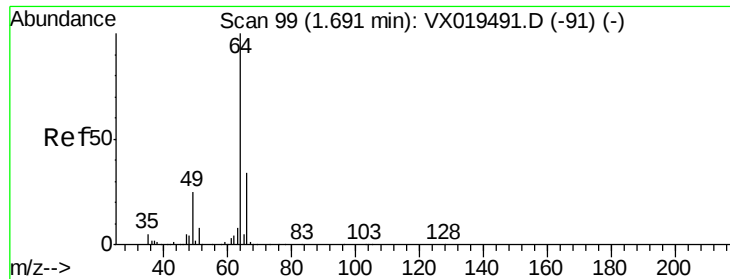
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampled :

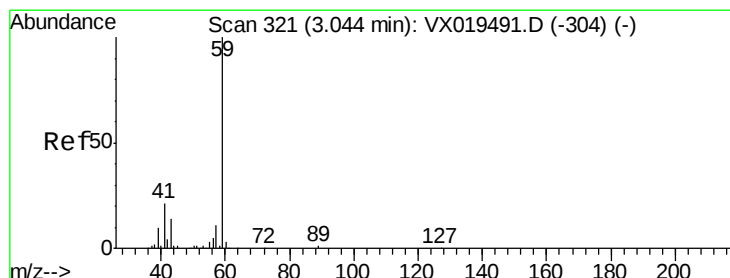
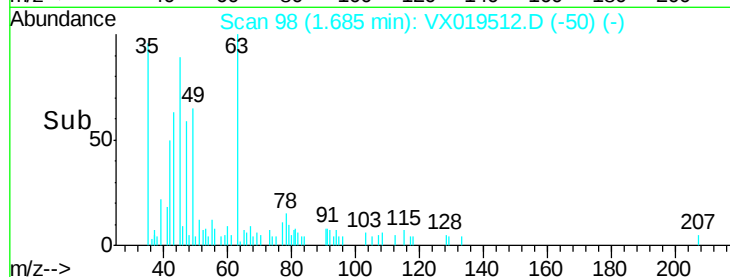
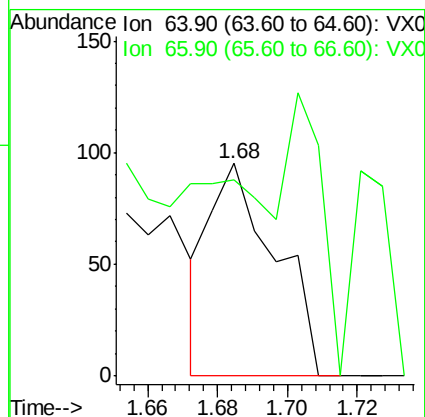
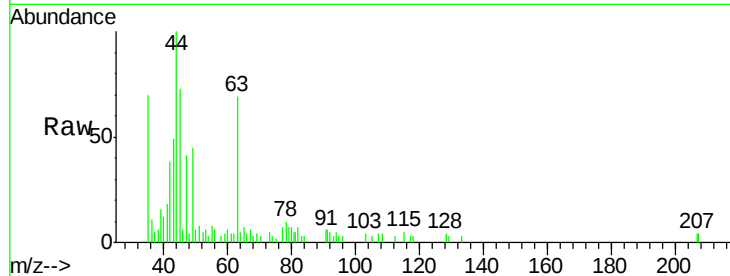
VX1121WBL02

Tot Ion: 64 Resp: 124

Ion Ratio Lower Upper

64 100

66 92.6 27.1 40.7#



#11

Tert butyl alcohol

Concen: 15.400 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.06 min

Lab File: VX019512.D

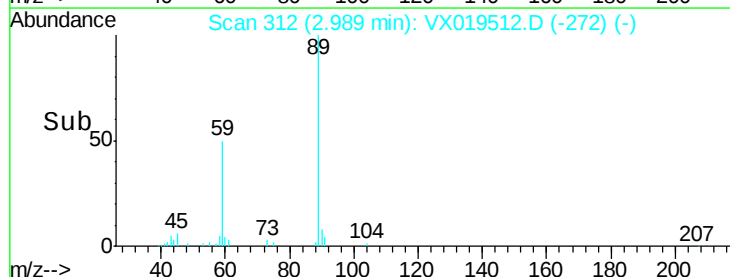
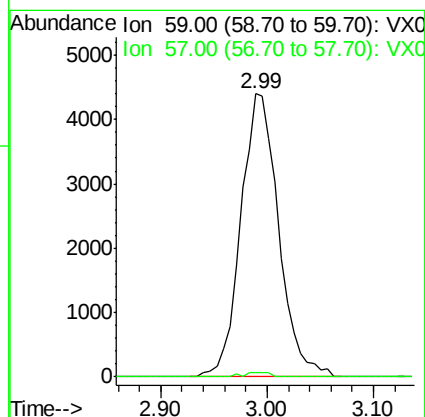
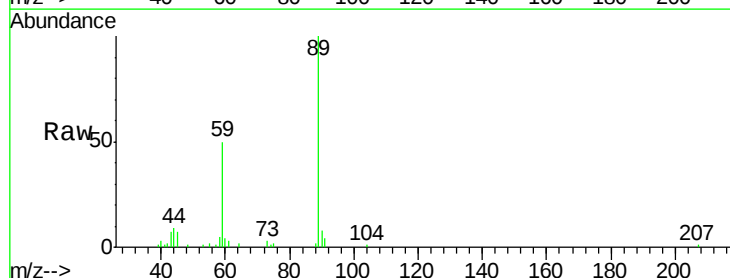
Acq: 20 Nov 2020 23:16

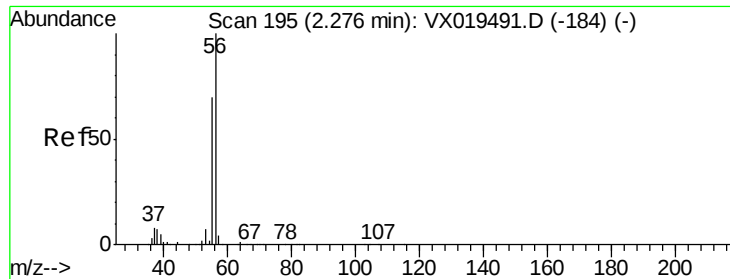
Tgt Ion: 59 Resp: 10952

Ion Ratio Lower Upper

59 100

57 1.1 7.9 11.9#





#13

Acrolein

Concen: 0.247 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

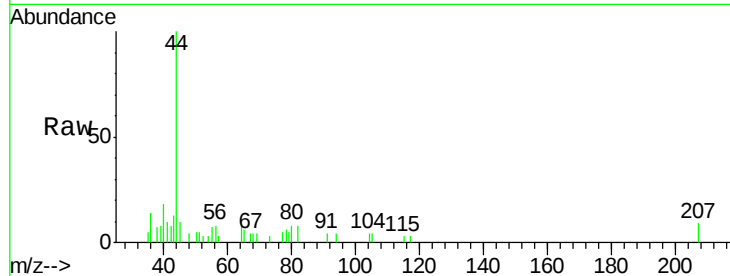
VX1121WBL02

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

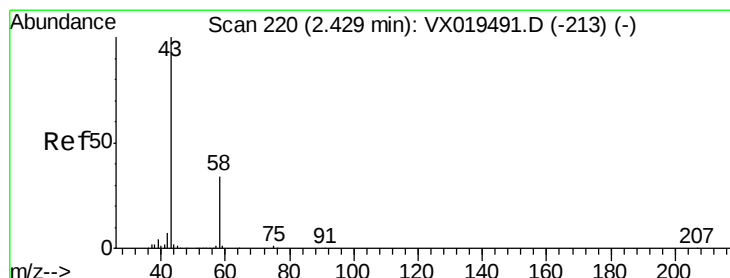
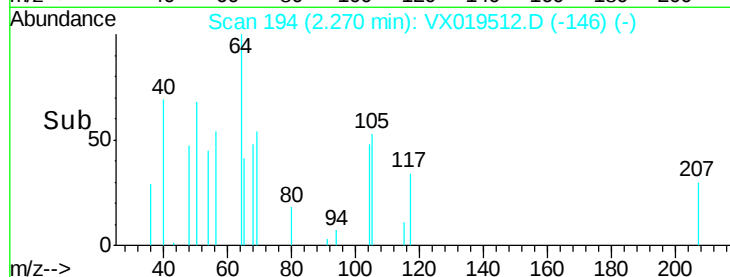
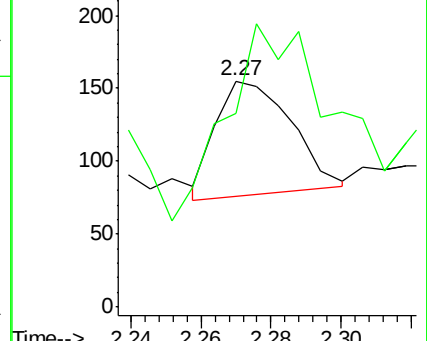
56 100

55 244.9 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.853 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019512.D

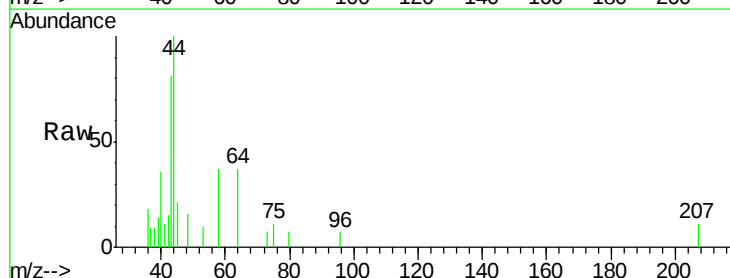
Acq: 20 Nov 2020 23:16

Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

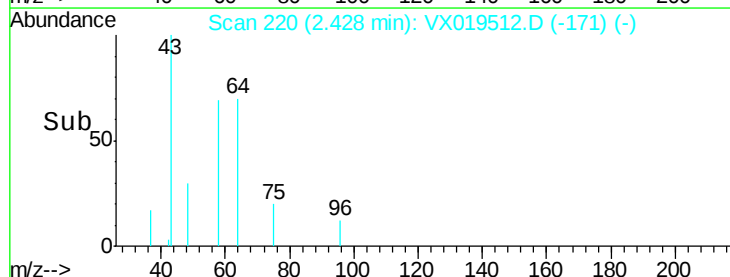
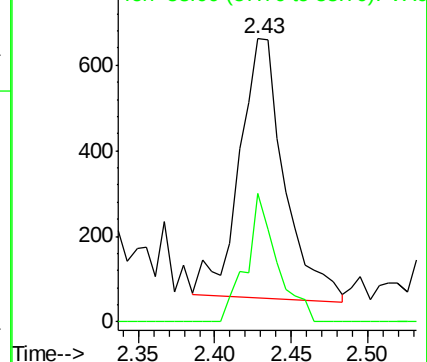
43 100

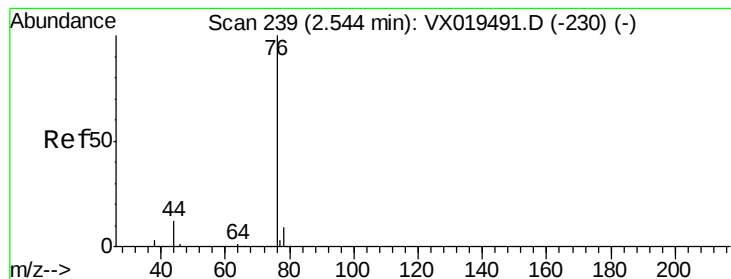
58 50.3 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.377 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

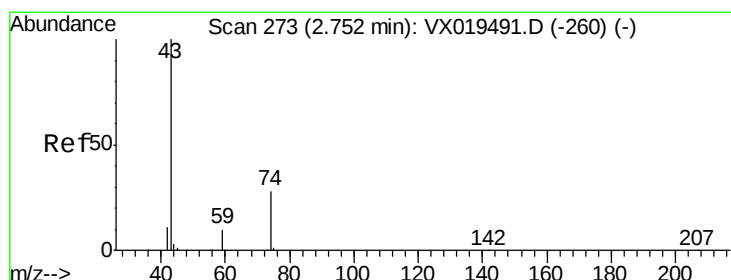
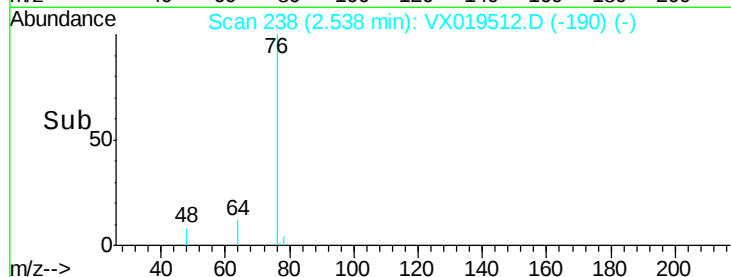
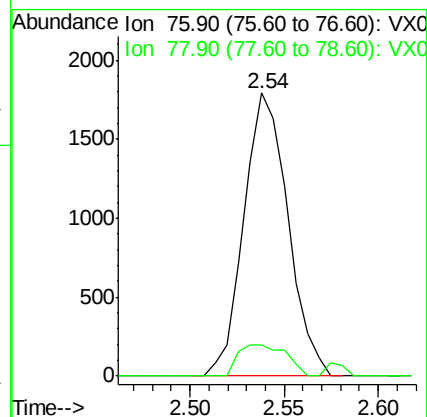
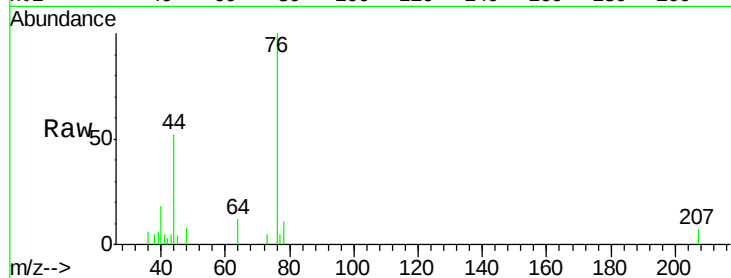
VX1121WBL02

Tot Ion: 76 Resp: 2917

Ion Ratio Lower Upper

76 100

78 10.9 7.2 10.8#



#18

Methyl Acetate

Concen: 0.862 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019512.D

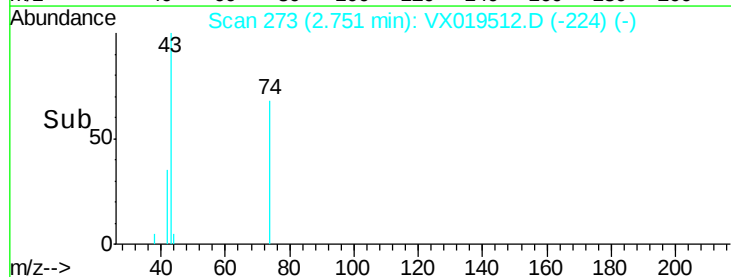
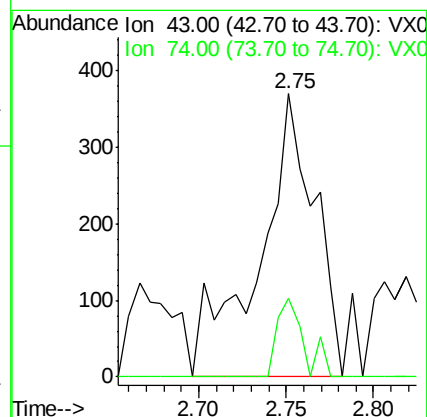
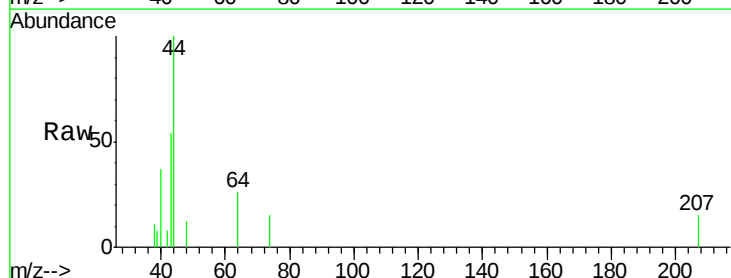
Acq: 20 Nov 2020 23:16

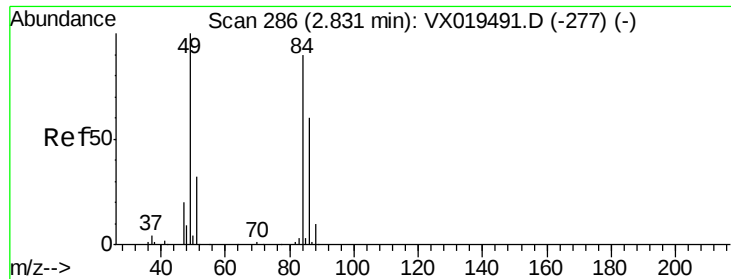
Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

74 13.3 22.2 33.4#

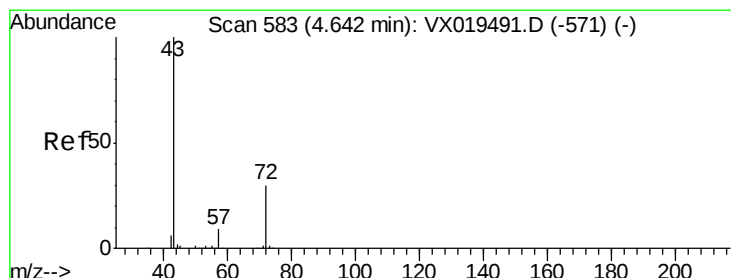
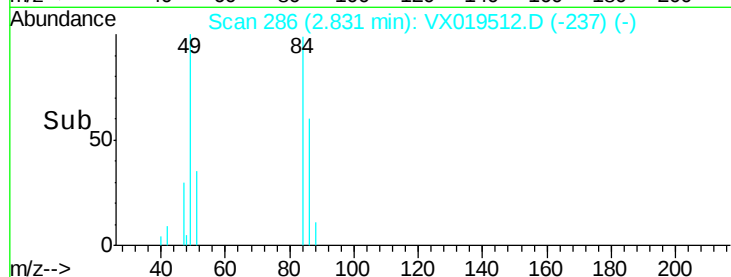
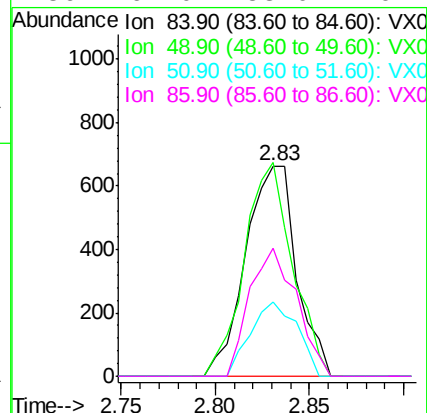
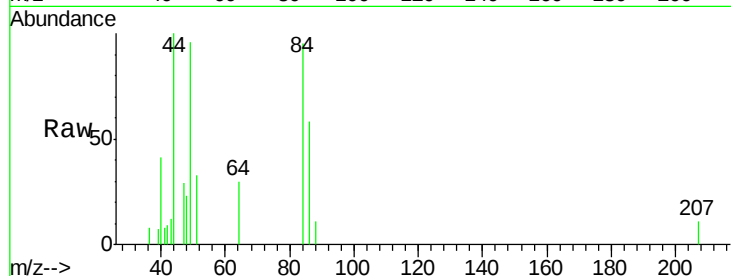




#20
Methvlene Chloride
Concen: 0.343 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

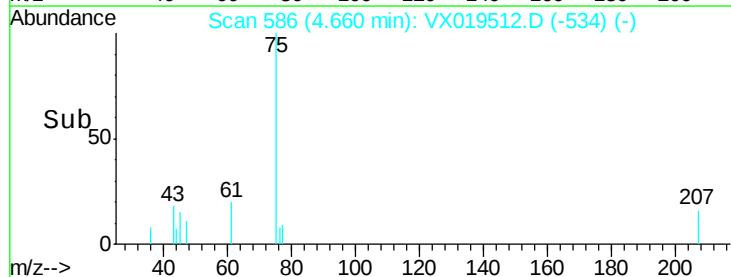
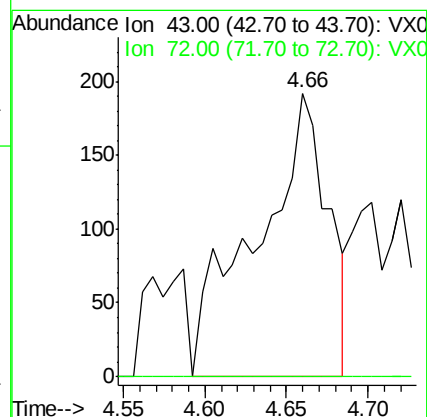
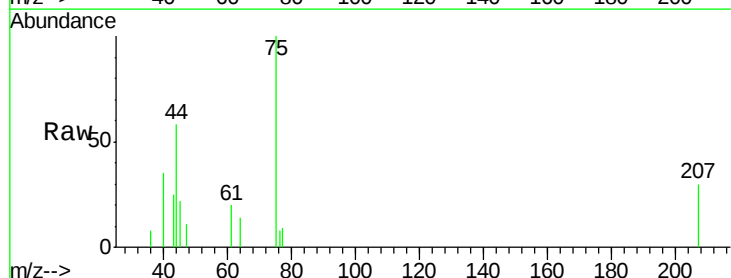
Instrument :
MSVOA_X
ClientSampled :
VX1121WBL02

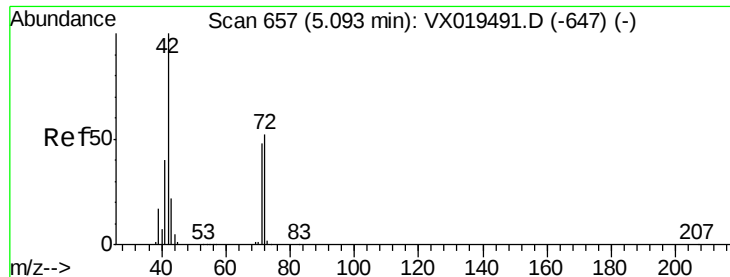
Tot Ion:	84	Resp:	1247
Ion	Ratio	Lower	Upper
84	100		
49	101.5	88.5	132.7
51	35.4	28.0	42.0
86	61.0	53.0	79.4



#25
2-Butanone
Concen: 0.266 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

Tgt Ion:	43	Resp:	580
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.0	36.0#

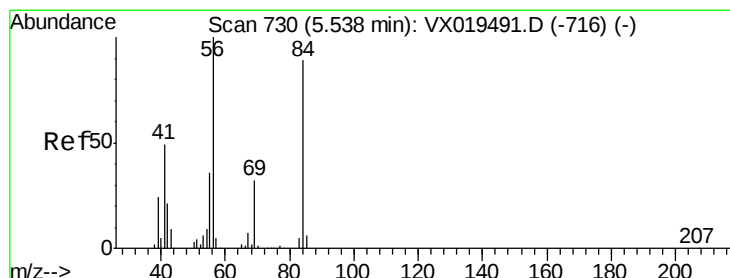
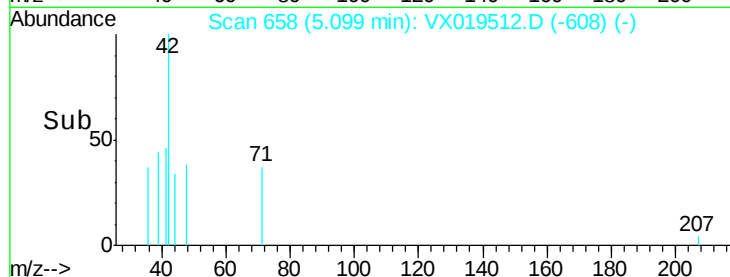
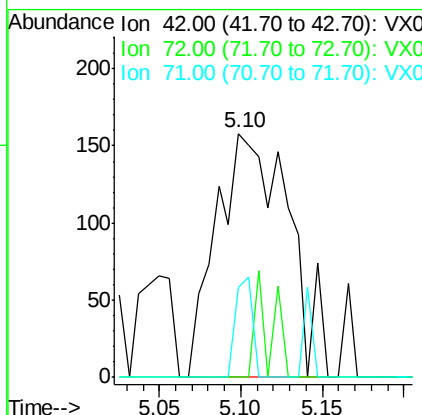
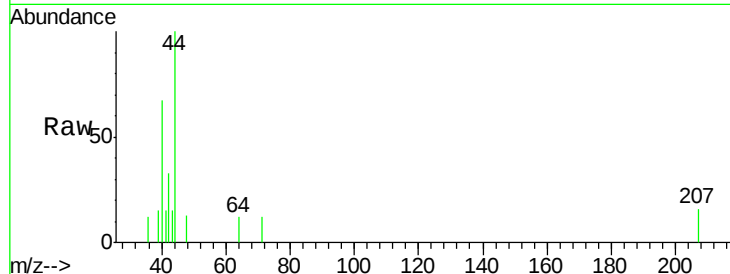




#29
Tetrahydrofuran
Concen: 0.350 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

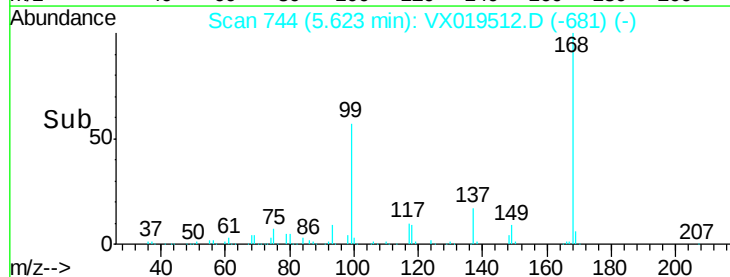
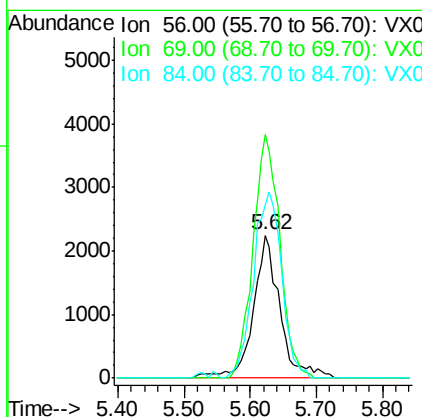
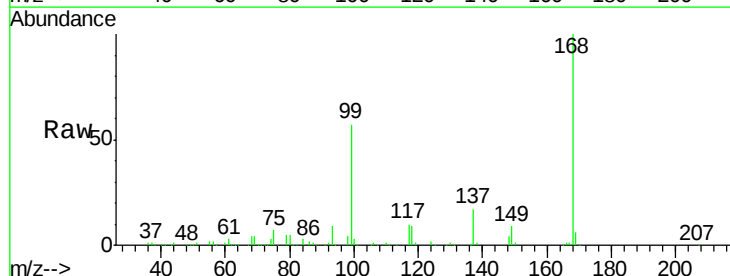
Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL02

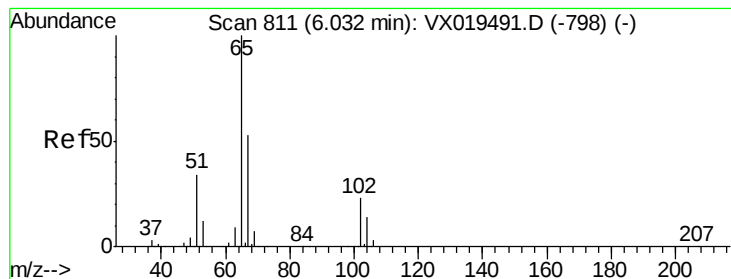
Tot Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
72 9.6 42.6 63.8#
71 9.2 39.0 58.6#



#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

Tgt Ion: 56 Resp: 6286
Ion Ratio Lower Upper
56 100
69 170.2 25.5 38.3#
84 120.7 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 47.341 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

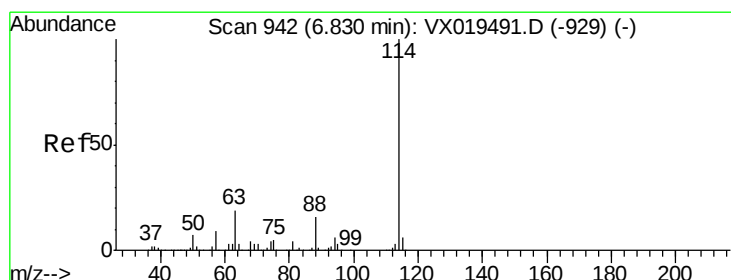
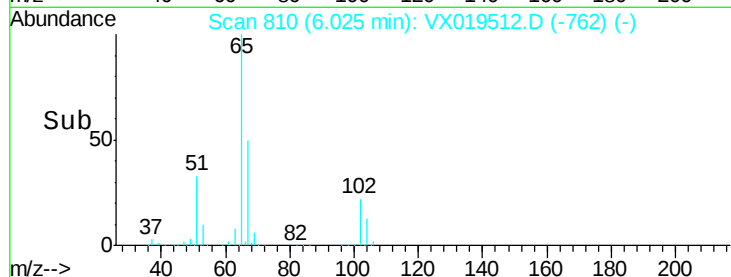
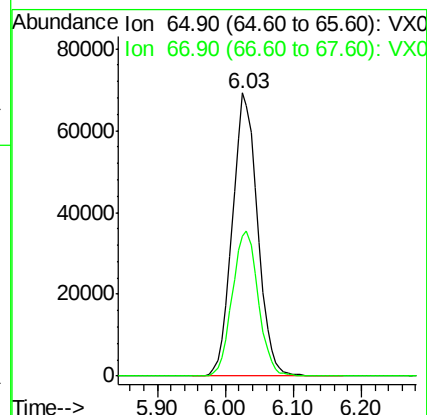
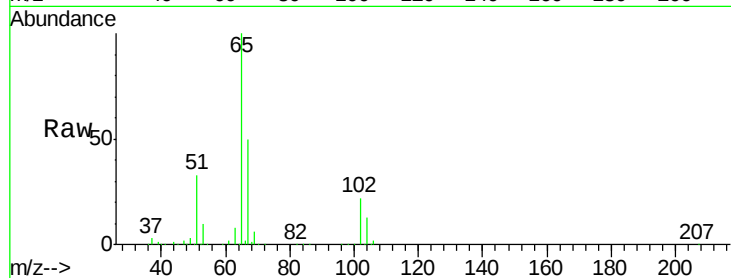
VX1121WBL02

Tot Ion: 65 Resp: 177897

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

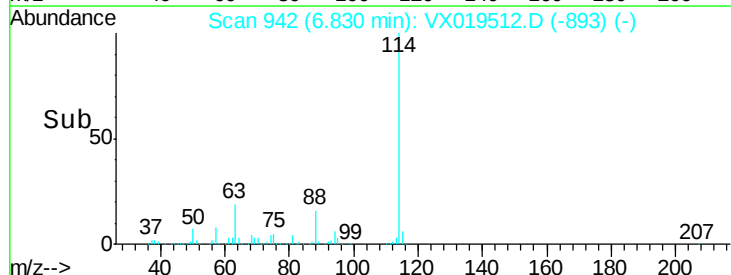
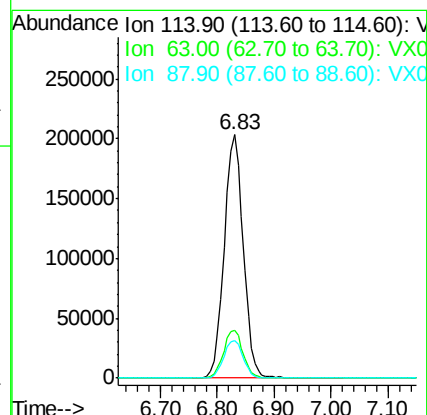
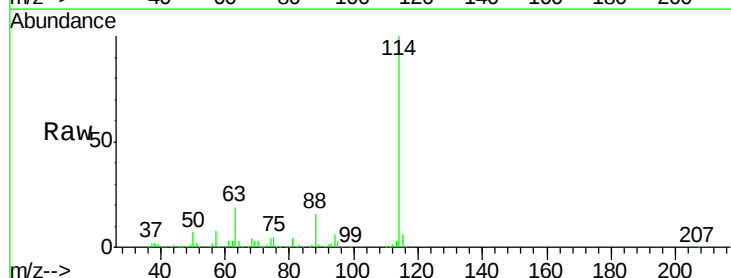
Tgt Ion: 114 Resp: 472395

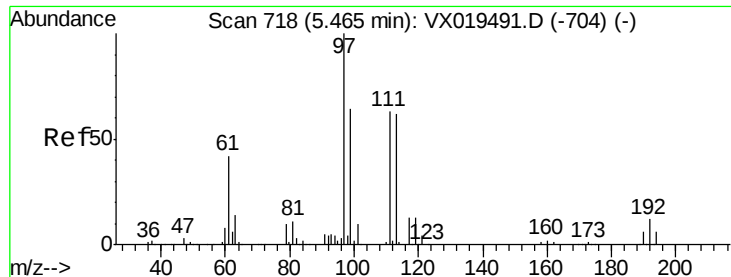
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.814 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBL02

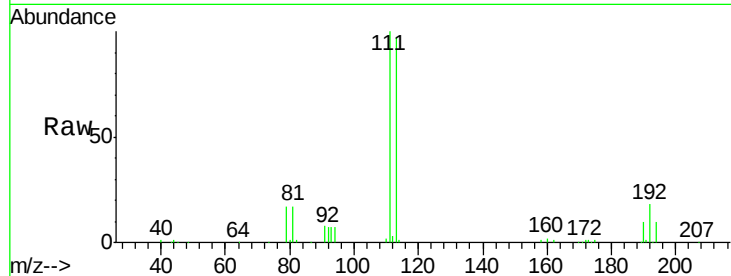
Tot Ion:113 Resp: 138814

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

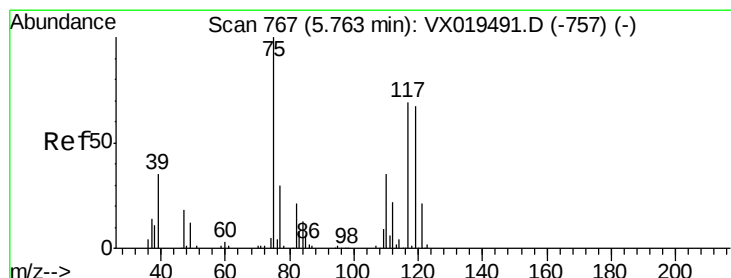
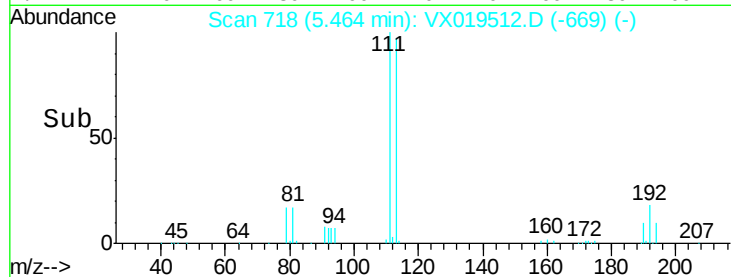
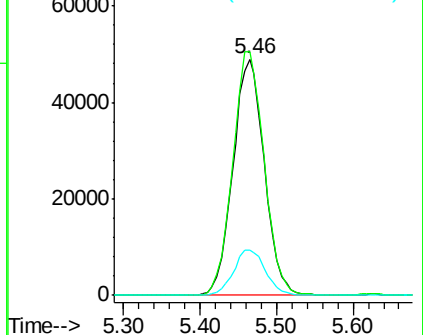
192 19.7 16.2 24.2



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: 4.928 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

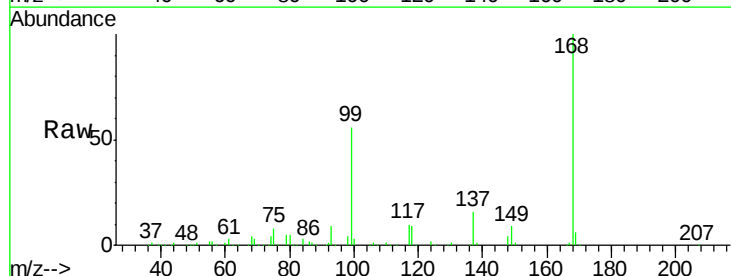
Tgt Ion: 75 Resp: 21823

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

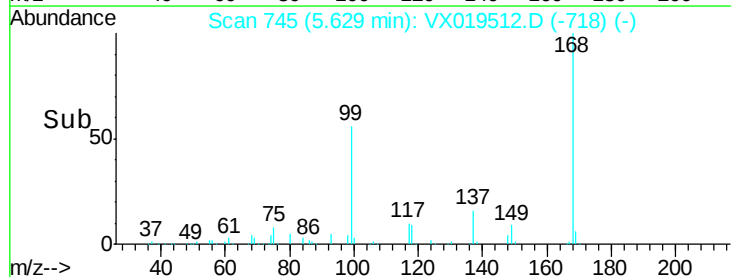
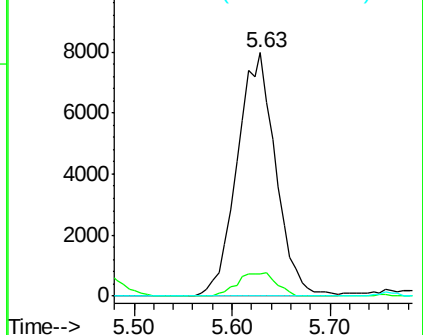
77 0.0 24.2 36.4#

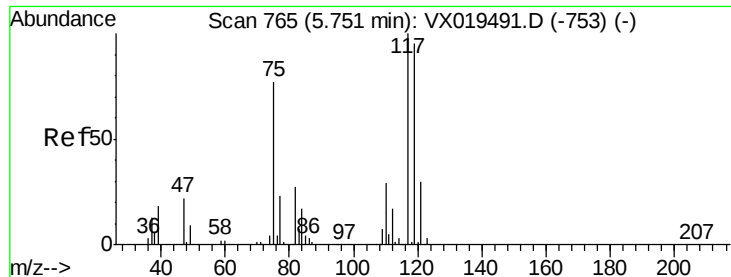


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.634 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampled :

VX1121WBL02

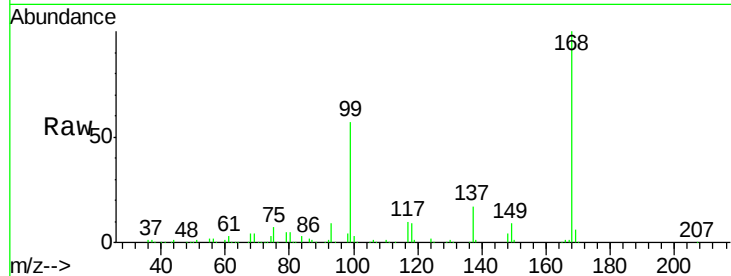
Tot Ion:117 Resp: 28439

Ion Ratio Lower Upper

117 100

119 6.2 75.9 113.9#

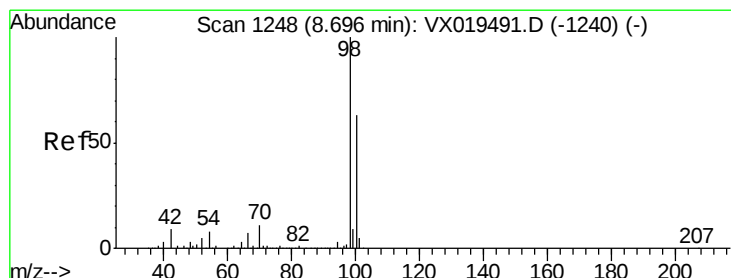
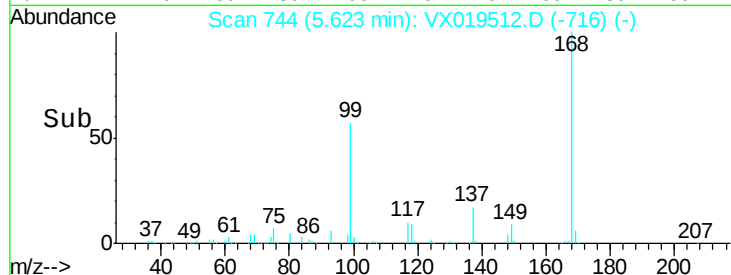
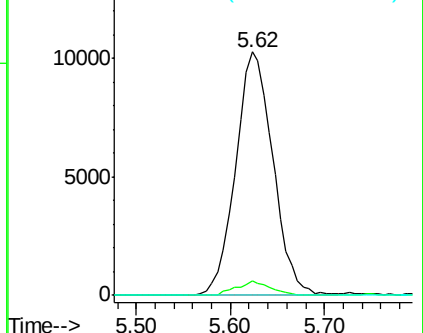
121 0.0 24.0 36.0#



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



#50

Toluene-d8

Concen: 47.736 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019512.D

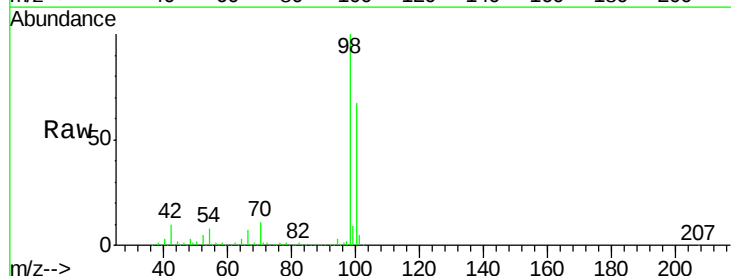
Acq: 20 Nov 2020 23:16

Tgt Ion: 98 Resp: 550044

Ion Ratio Lower Upper

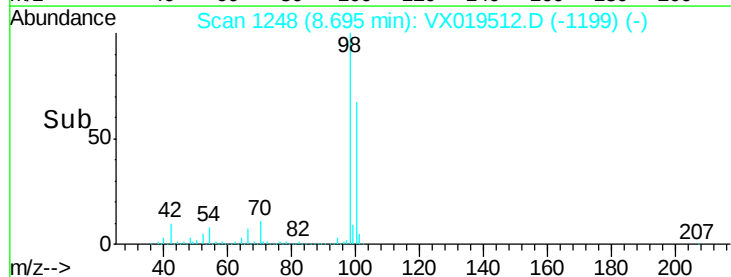
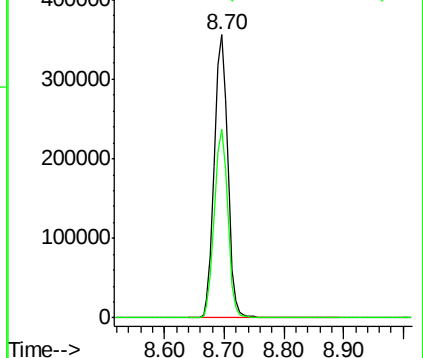
98 100

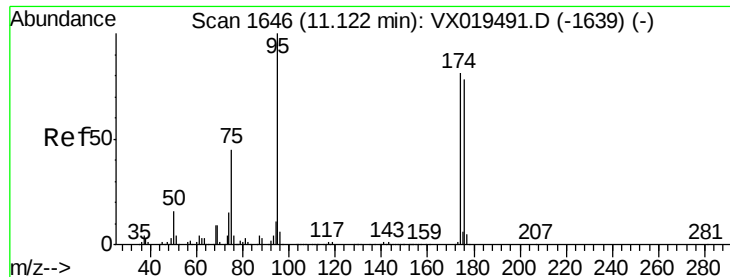
100 66.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.312 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX1121WBL02

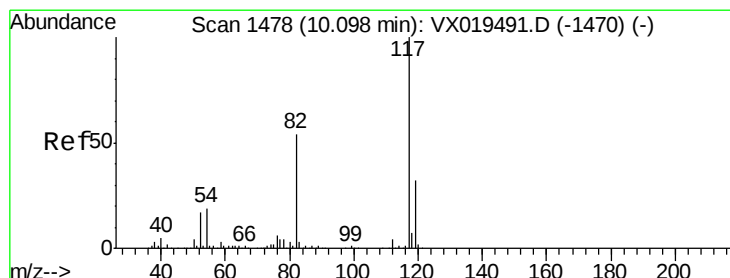
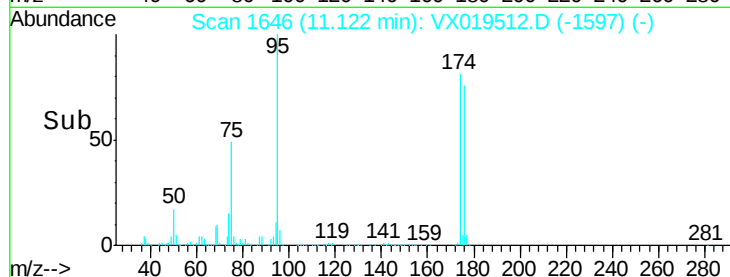
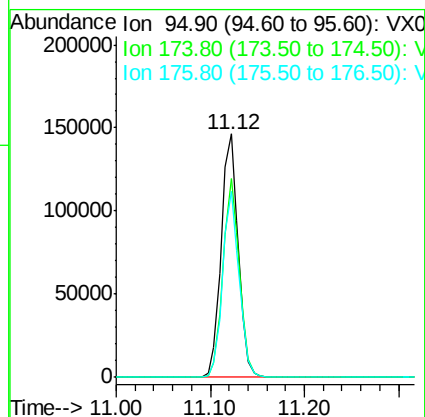
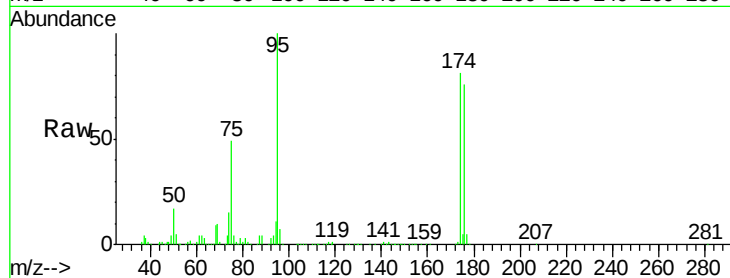
Tot Ion: 95 Resp: 183702

Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.2

176 73.7 0.0 151.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019512.D

Acq: 20 Nov 2020 23:16

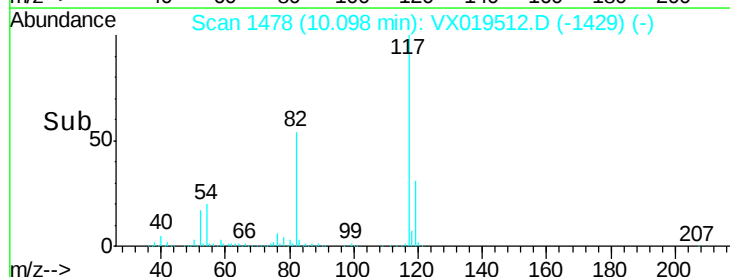
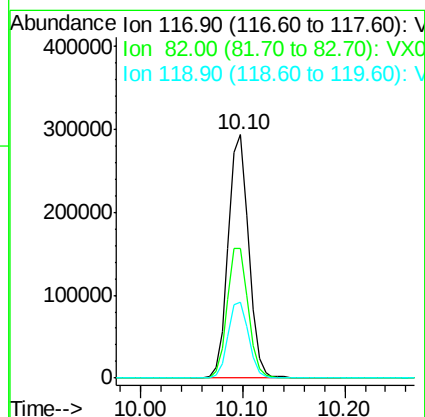
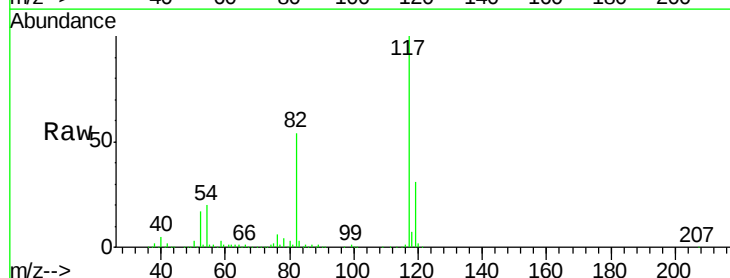
Tgt Ion: 117 Resp: 405889

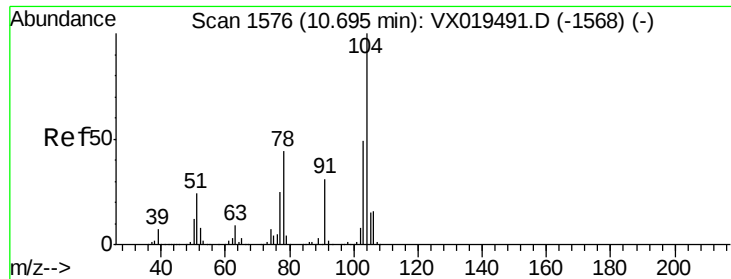
Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

119 31.2 25.6 38.4

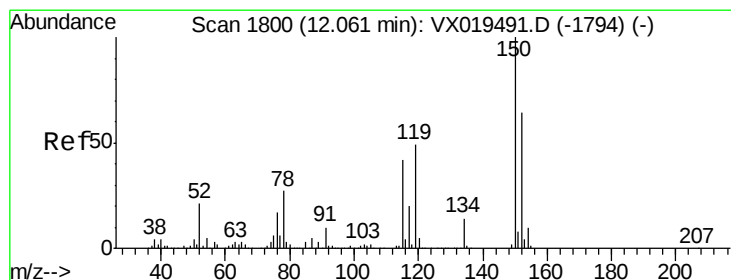
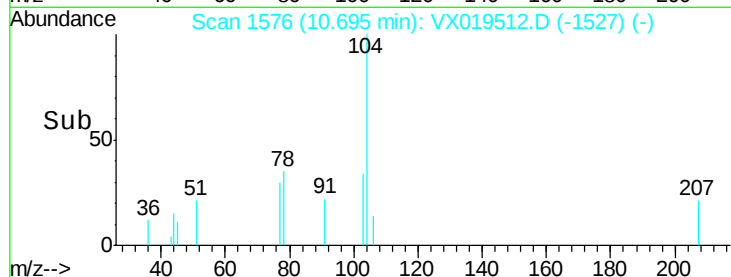
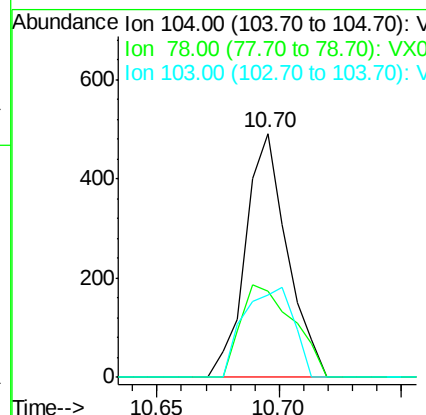
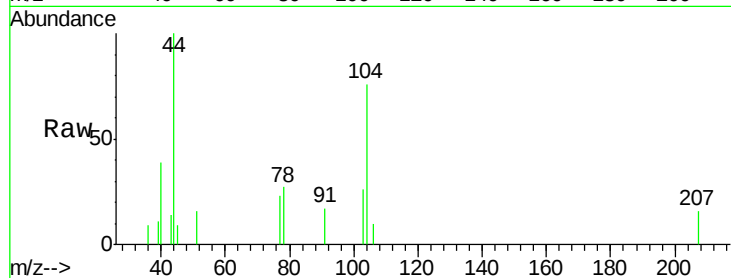




#70
Stvrene
Concen: 1.704 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

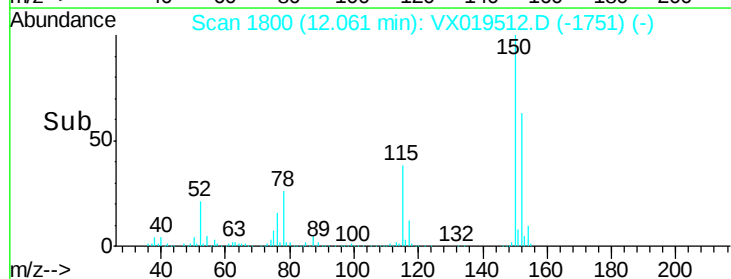
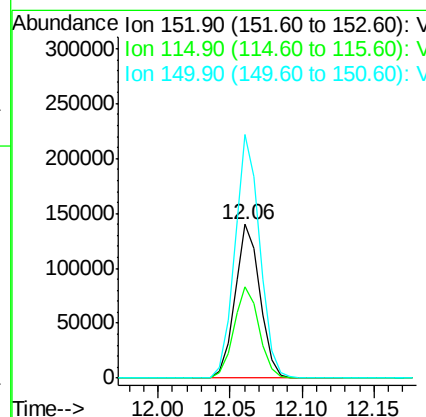
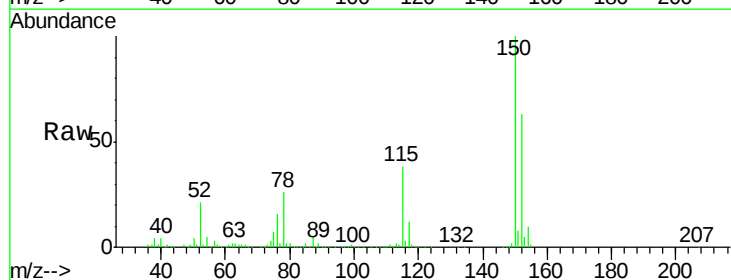
Instrument :
MSVOA_X
ClientSampleId :
VX1121WBL02

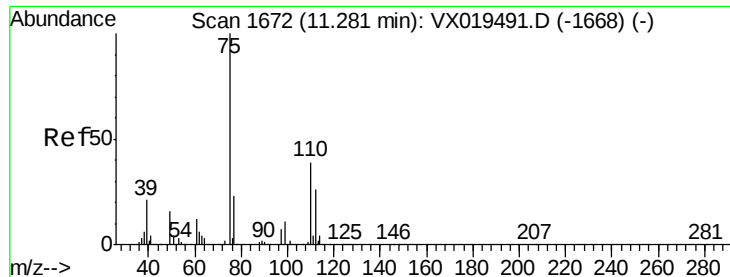
Tot Ion:104 Resp: 583
Ion Ratio Lower Upper
104 100
78 47.7 39.5 59.3
103 44.3 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019512.D
Acq: 20 Nov 2020 23:16

Tgt Ion:152 Resp: 170241
Ion Ratio Lower Upper
152 100
115 59.9 41.8 125.4
150 158.0 0.0 348.2

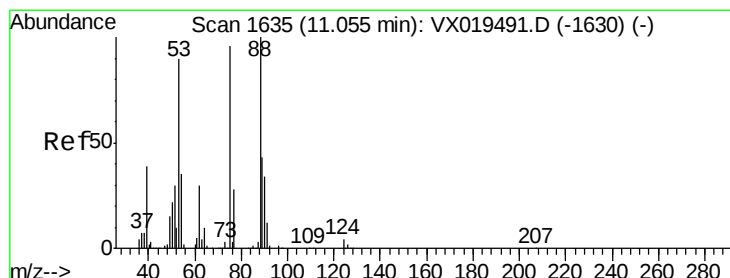
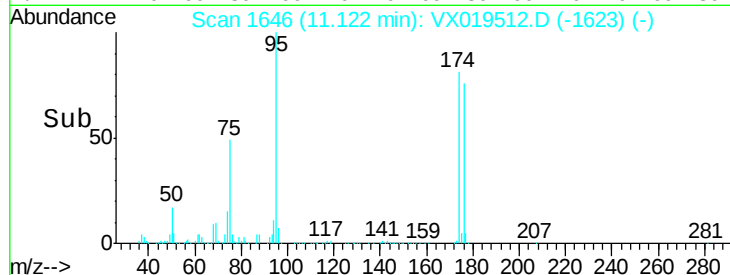
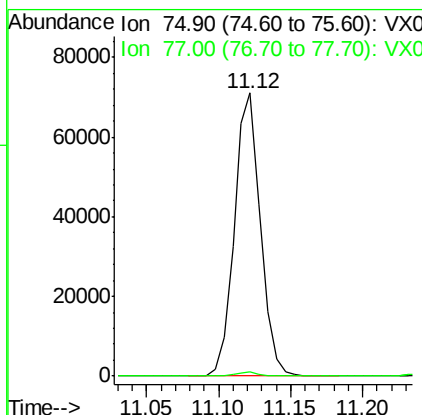
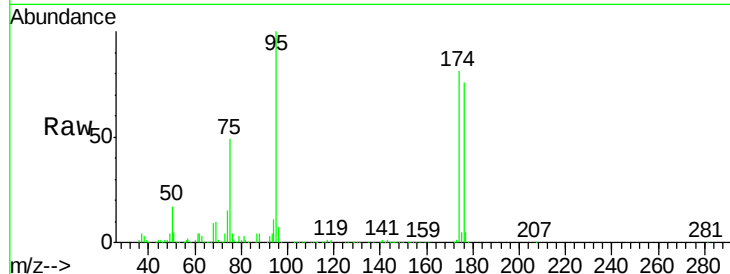




#76
 1,2,3-Trichloropropane
 Concen: 24.085 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019512.D
 Acq: 20 Nov 2020 23:16

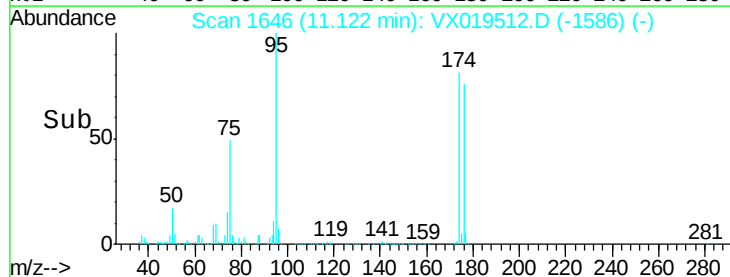
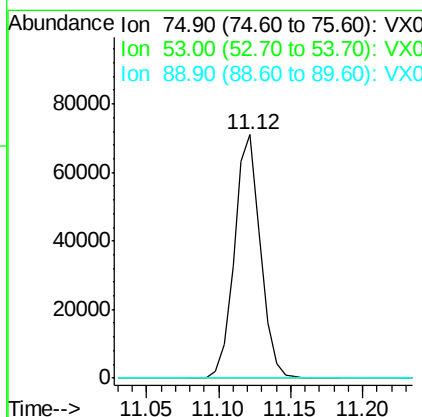
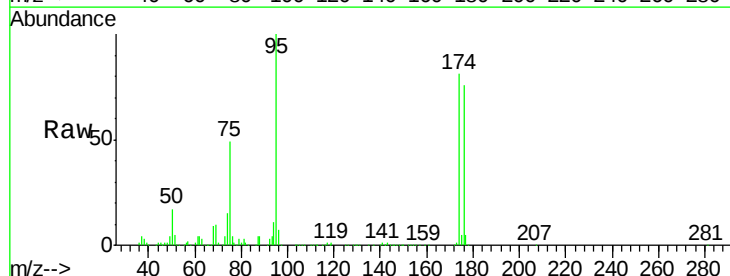
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBL02

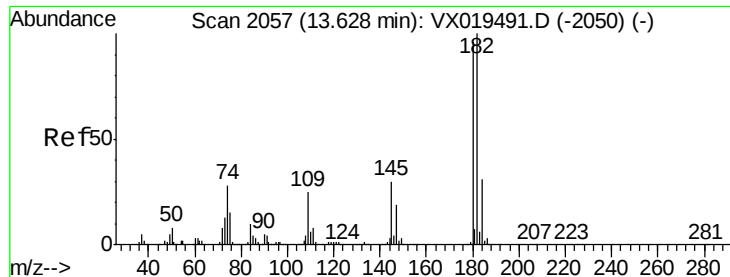
Tot Ion: 75 Resp: 89481
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.0 60.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.777 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019512.D
 Acq: 20 Nov 2020 23:16

Tgt Ion: 75 Resp: 89481
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.3 55.9#

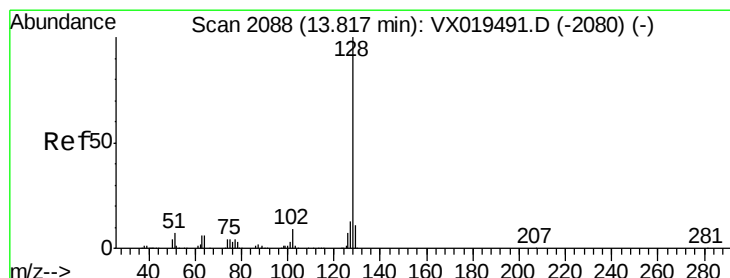
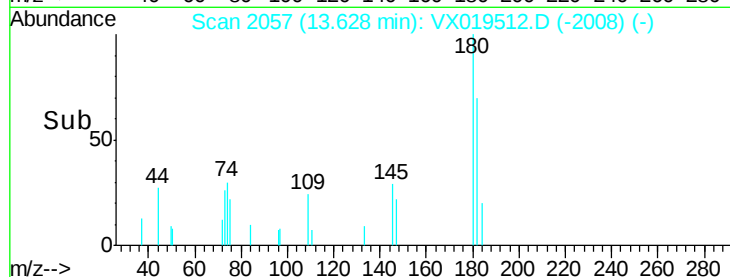
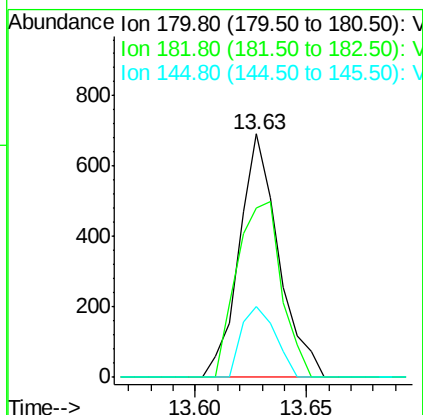
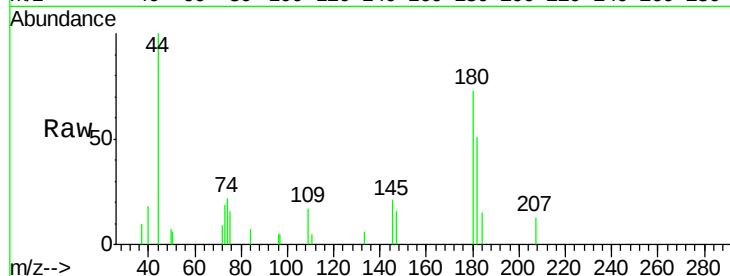




#93
 1,2,4-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019512.D
 Acq: 20 Nov 2020 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBL02

Tot Ion:180 Resp: 854
 Ion Ratio Lower Upper
 180 100
 182 81.7 48.6 145.9
 145 25.1 15.9 47.7



#95
 Naphthalene
 Concen: 2.280 ug/l
 RT: 13.82 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VX019512.D
 Acq: 20 Nov 2020 23:16

Tgt Ion:128 Resp: 1335
 Ion Ratio Lower Upper
 128 100
 127 10.9 10.3 15.5
 129 9.9 8.7 13.1

