

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016531.D
 Acq On : 01 Jun 2020 16:06
 Operator : JC/SP
 Sample : L2801-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW506-200528

Quant Time: Jun 02 01:48:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	269881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	438517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	446317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235275	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	161307	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	5.46	113	127394	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.70	98	550211	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.12	95	225469	55.52	ug/l	0.00
Spiked Amount			Recovery	=	111.04%	

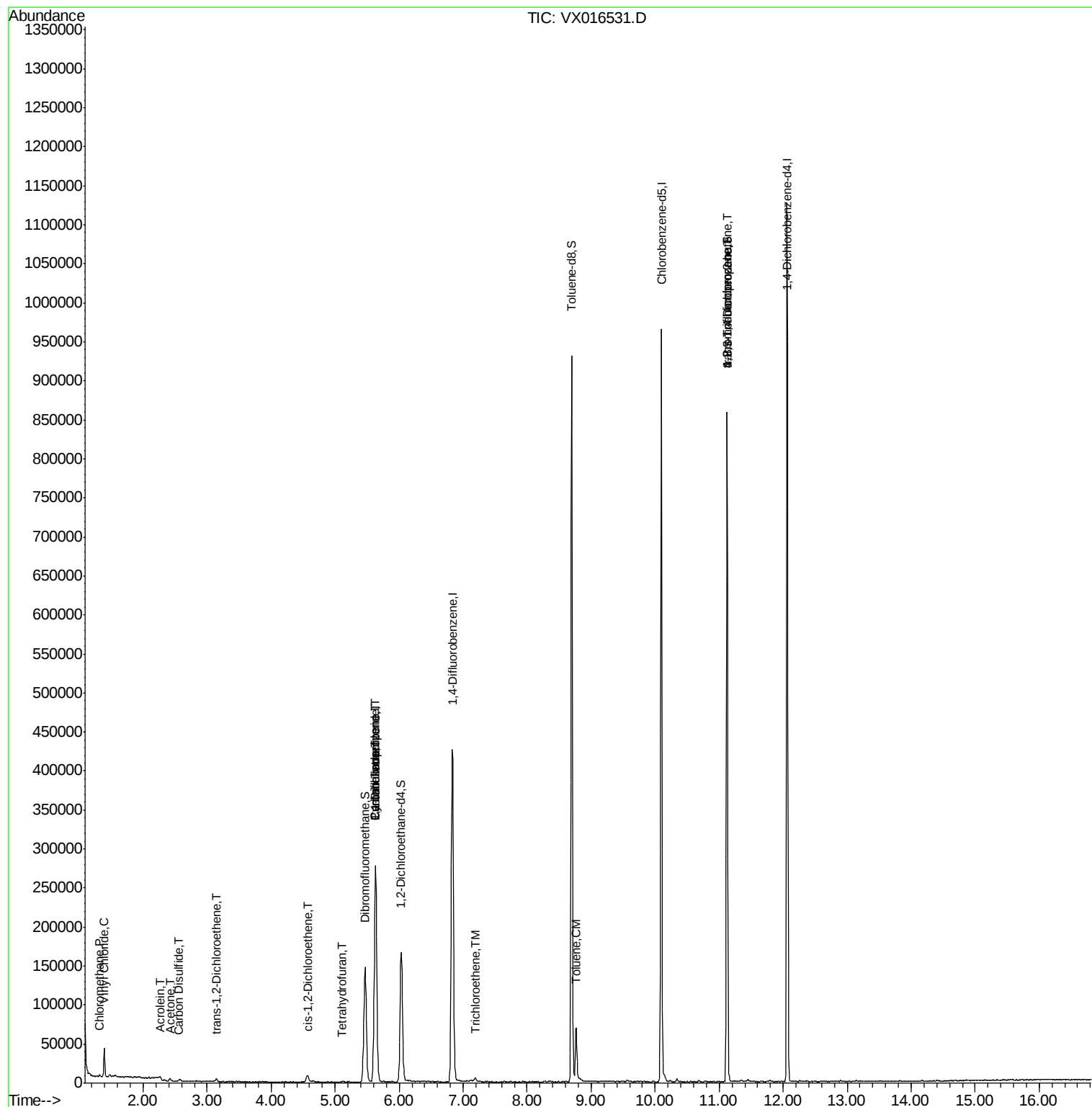
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1063	0.331	ug/l	93
4) Vinyl Chloride	1.39	62	21004	6.188	ug/l	97
13) Acrolein	2.26	56	269	0.736	ug/l	84
16) Acetone	2.42	43	4003	2.726	ug/l	98
17) Carbon Disulfide	2.55	76	2474	0.321	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	1850	0.644	ug/l #	81
27) cis-1,2-Dichloroethene	4.57	96	5652	1.701	ug/l	85
29) Tetrahydrofuran	5.10	42	426	0.265	ug/l #	54
31) Cyclohexane	5.64	56	5021	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19077	4.595	ug/l #	51
38) Carbon Tetrachloride	5.63	117	26620	6.101	ug/l #	17
44) Trichloroethene	7.20	130	1496	0.381	ug/l	78
52) Toluene	8.77	92	25286	3.243	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	110418	21.351	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110418	52.521	ug/l #	14

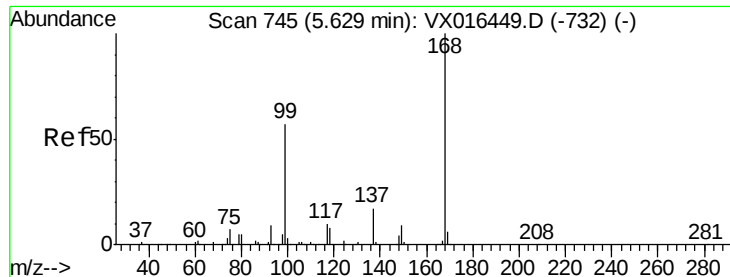
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

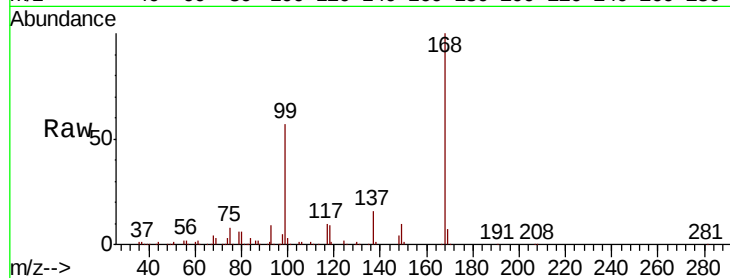
SS050MW506-200528

Tot Ion:168 Resp: 269881

Ion Ratio Lower Upper

168 100

99 56.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

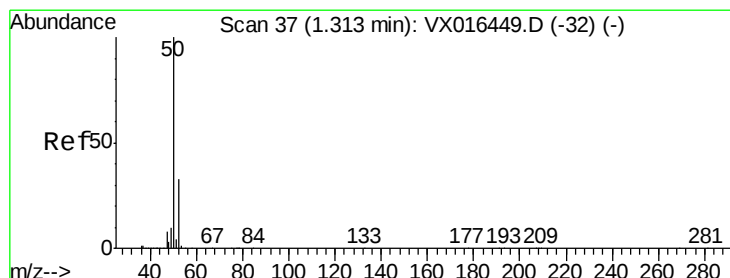
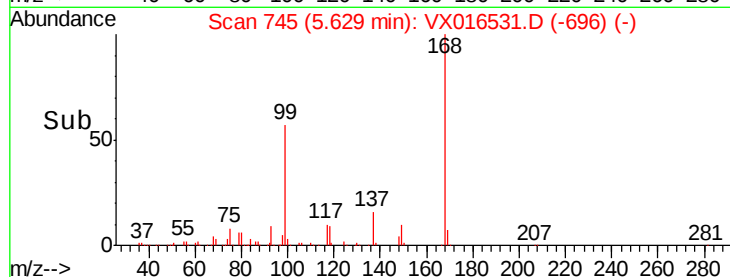
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.331 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016531.D

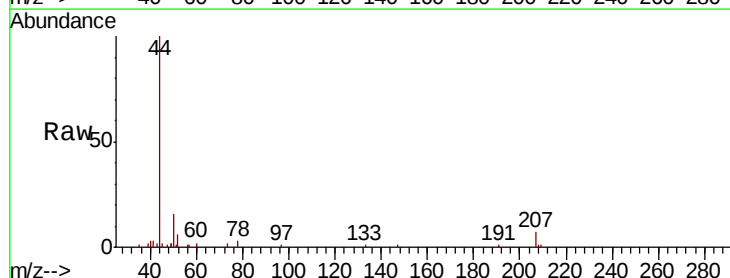
Acq: 01 Jun 2020 16:06

Tgt Ion: 50 Resp: 1063

Ion Ratio Lower Upper

50 100

52 36.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

600

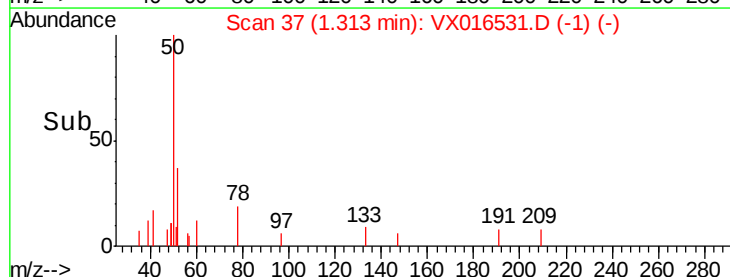
400

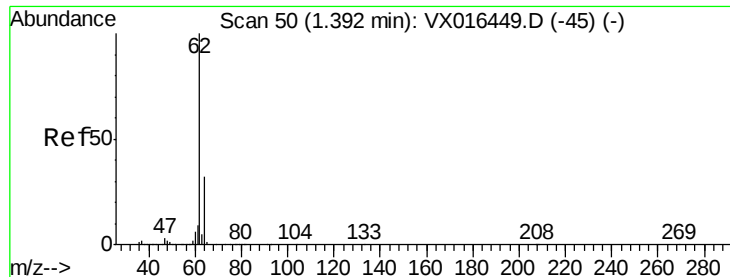
200

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 6.188 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

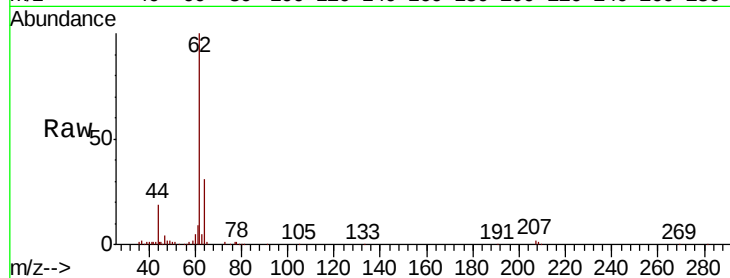
SS050MW506-200528

Tot Ion: 62 Resp: 21004

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

25000

20000

15000

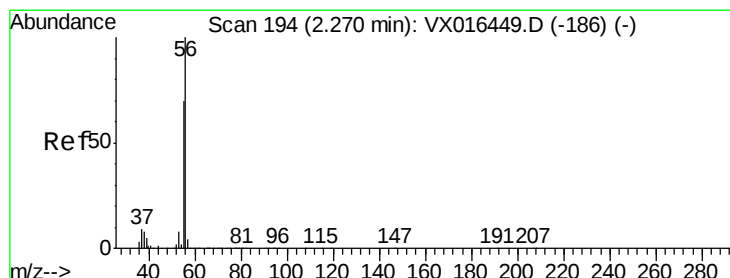
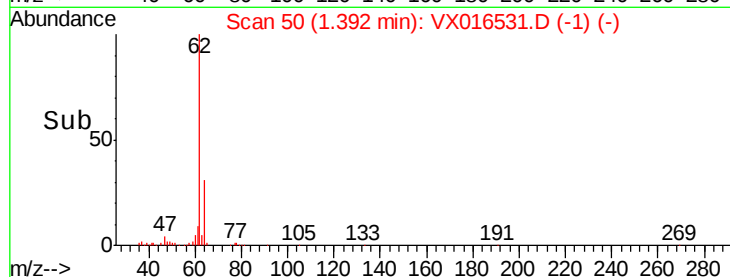
10000

5000

0

Time-->

1.35 1.40 1.45



#13

Acrolein

Concen: 0.736 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016531.D

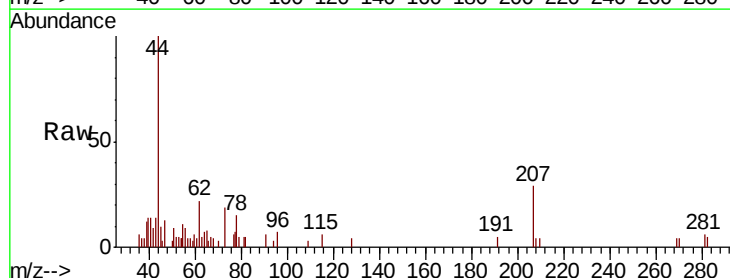
Acq: 01 Jun 2020 16:06

Tgt Ion: 56 Resp: 269

Ion Ratio Lower Upper

56 100

55 86.2 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.26

300

250

200

150

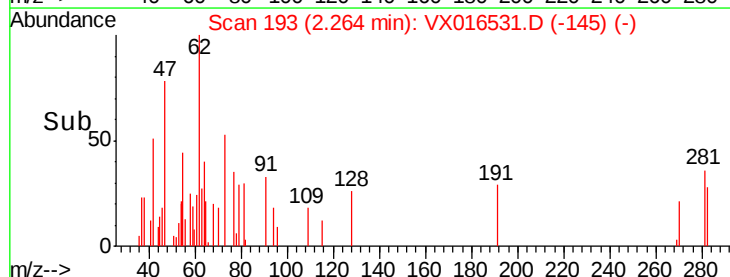
100

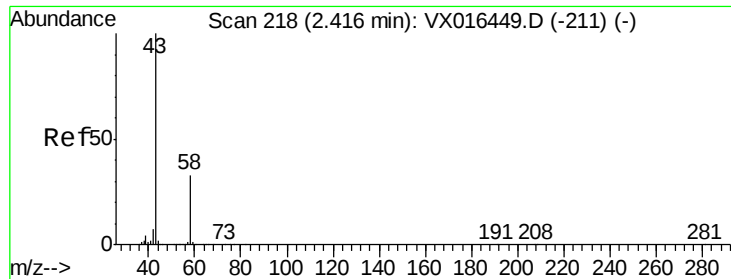
50

0

Time-->

2.25 2.30





#16

Acetone

Concen: 2.726 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

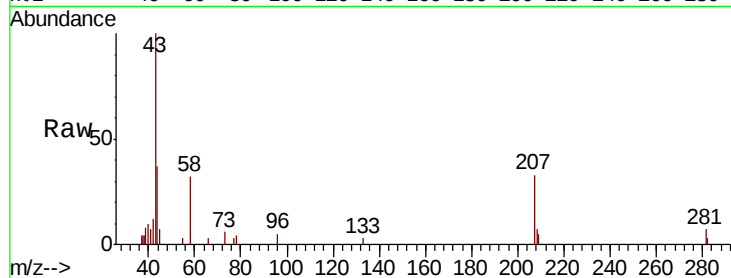
SS050MW506-200528

Tot Ion: 43 Resp: 4003

Ion Ratio Lower Upper

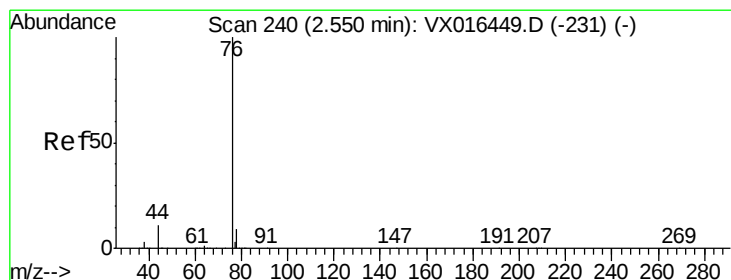
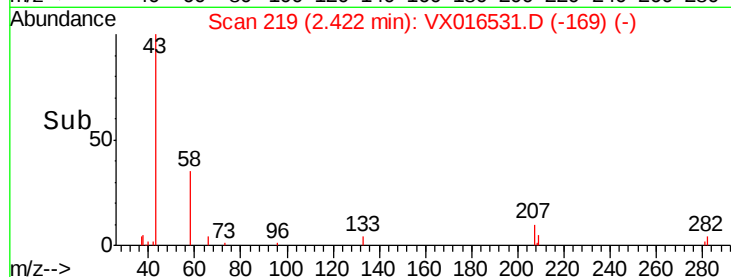
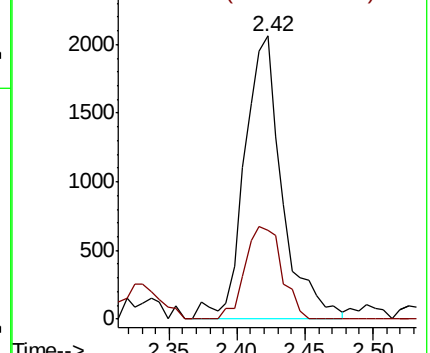
43 100

58 31.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.321 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016531.D

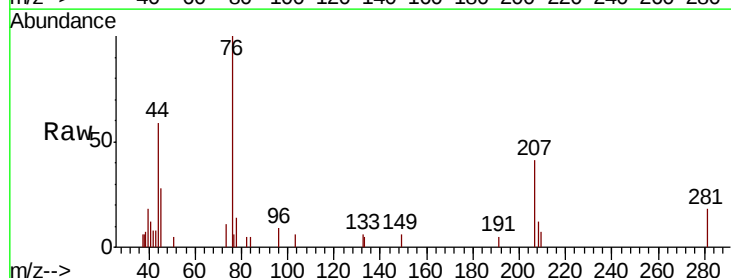
Acq: 01 Jun 2020 16:06

Tgt Ion: 76 Resp: 2474

Ion Ratio Lower Upper

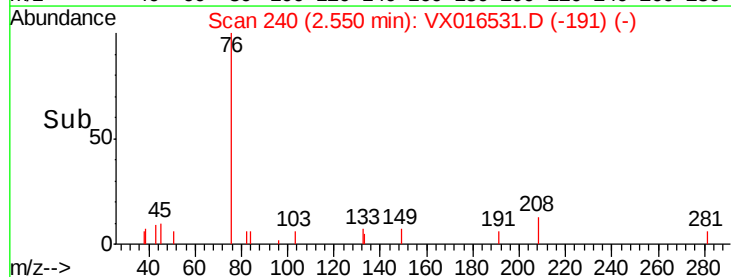
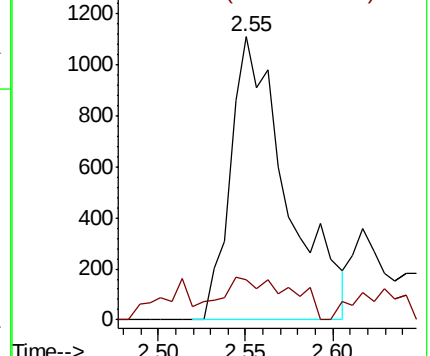
76 100

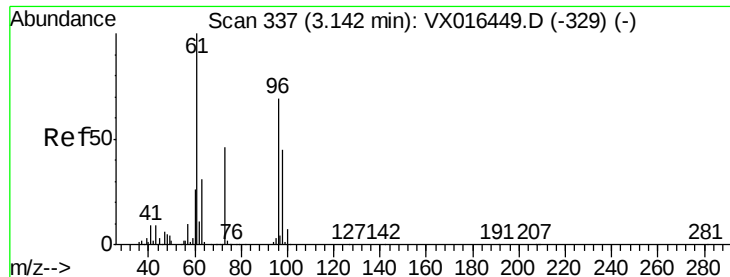
78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.644 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

SS050MW506-200528

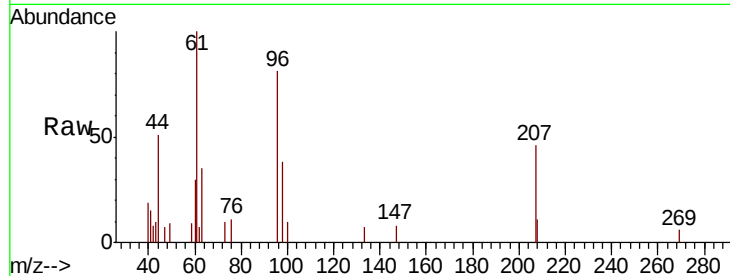
Tot Ion: 96 Resp: 1850

Ion Ratio Lower Upper

96 100

61 122.8 115.3 172.9

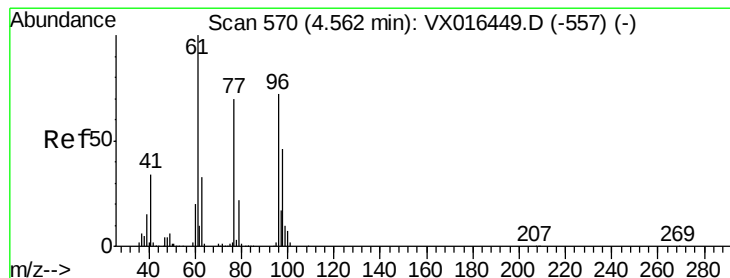
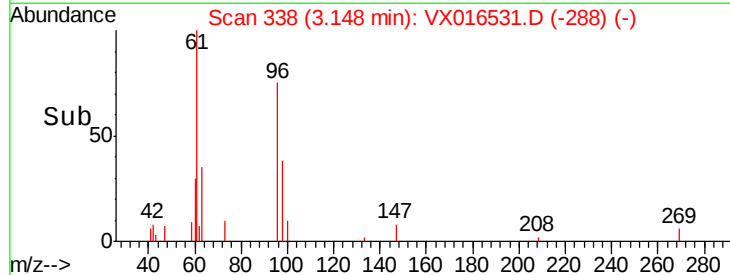
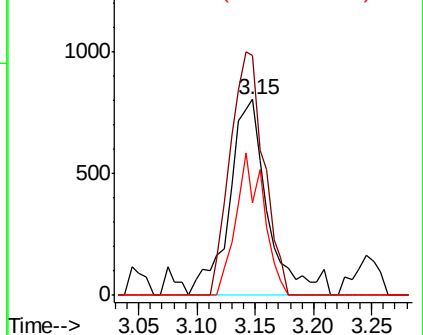
98 47.3 51.9 77.9#



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



#27

cis-1,2-Dichloroethene

Concen: 1.701 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

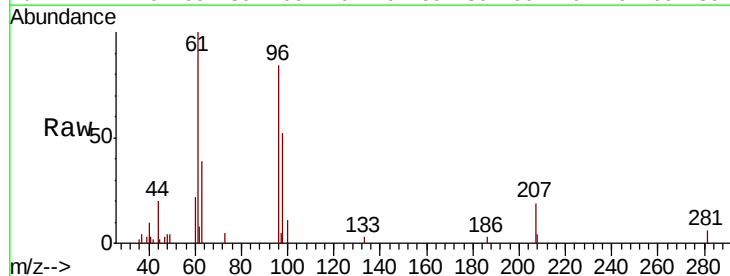
Tgt Ion: 96 Resp: 5652

Ion Ratio Lower Upper

96 100

61 117.2 0.0 284.6

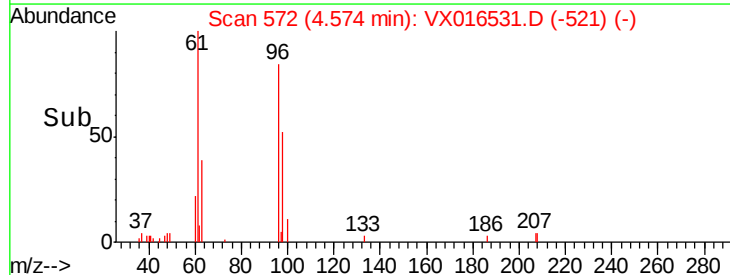
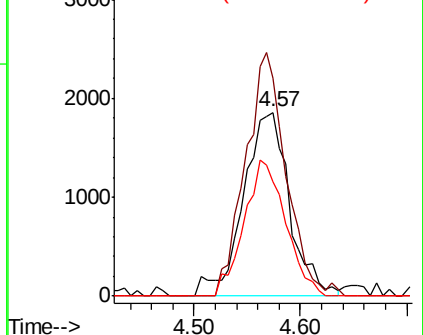
98 66.5 0.0 127.2

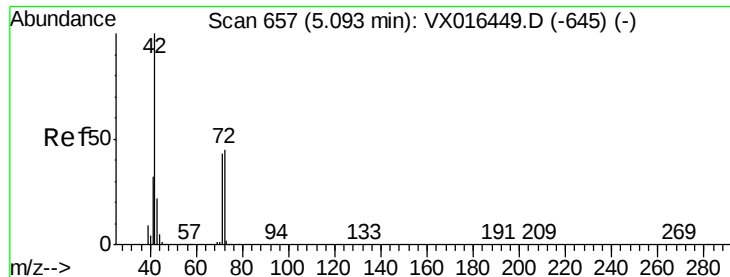


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

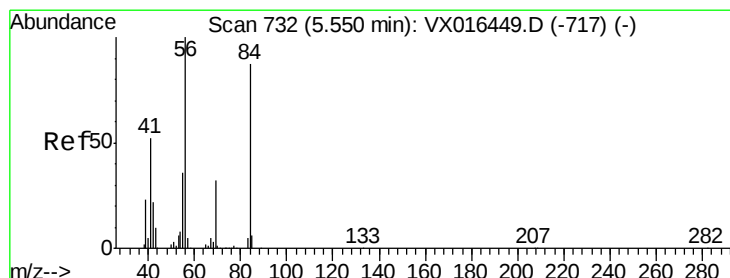
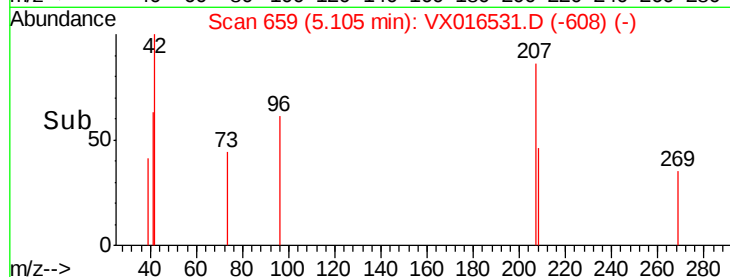
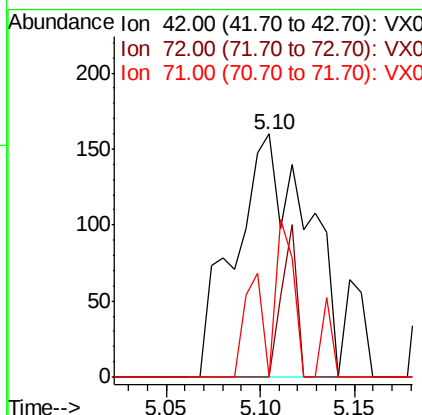
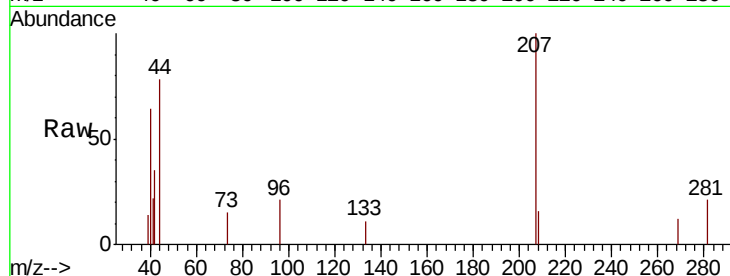




#29
Tetrahydrofuran
Concen: 0.265 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016531.D
Acq: 01 Jun 2020 16:06

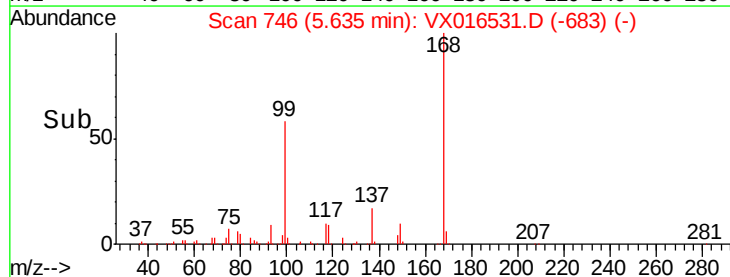
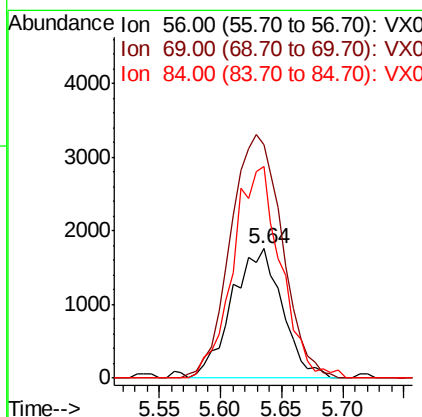
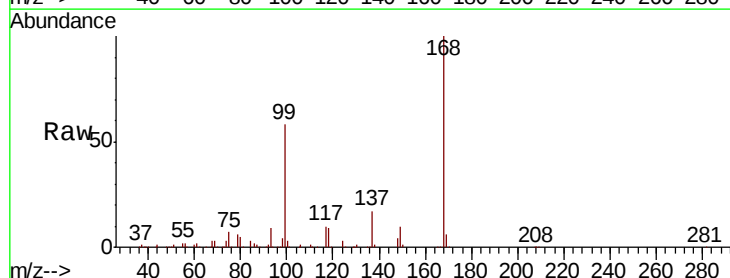
Instrument :
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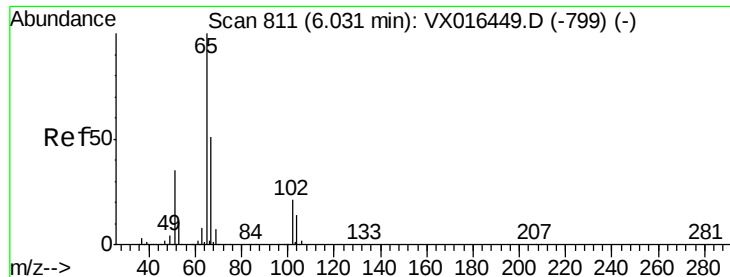
Tot Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 13.1 37.0 55.4#
71 15.7 34.1 51.1#



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016531.D
Acq: 01 Jun 2020 16:06

Tgt Ion: 56 Resp: 5021
Ion Ratio Lower Upper
56 100
69 180.1 25.7 38.5#
84 163.7 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.129 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

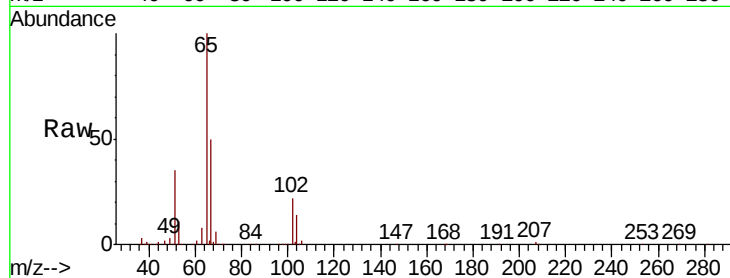
SS050MW506-200528

Tot Ion: 65 Resp: 161307

Ion Ratio Lower Upper

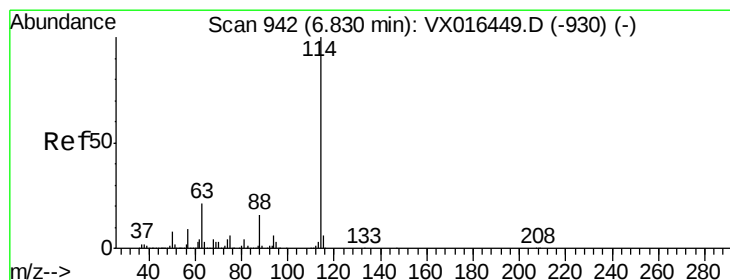
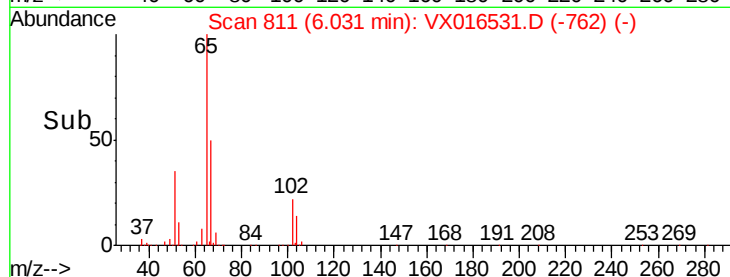
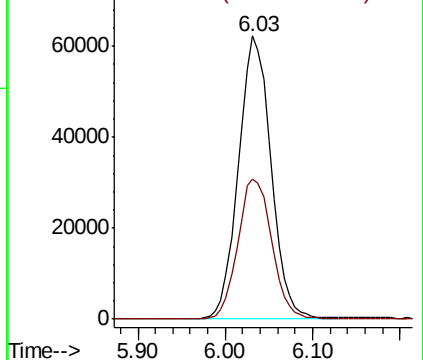
65 100

67 51.7 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: VX016531.D

Acq: 01 Jun 2020 16:06

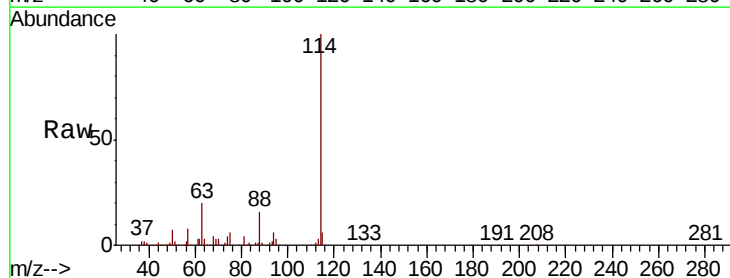
Tgt Ion: 114 Resp: 438517

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

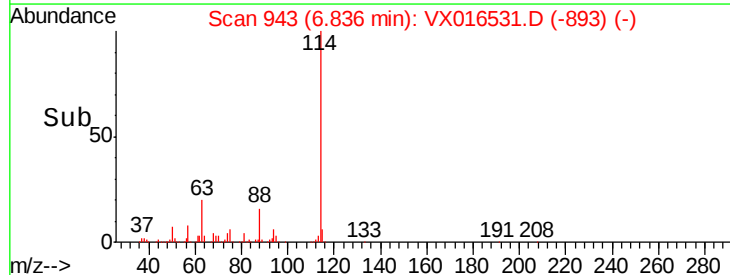
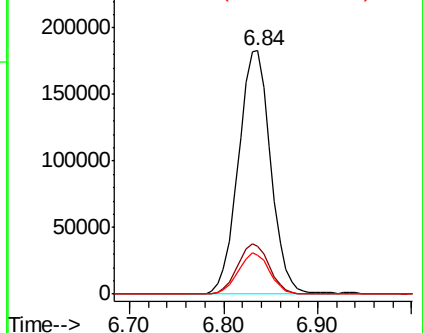
88 16.2 0.0 32.8

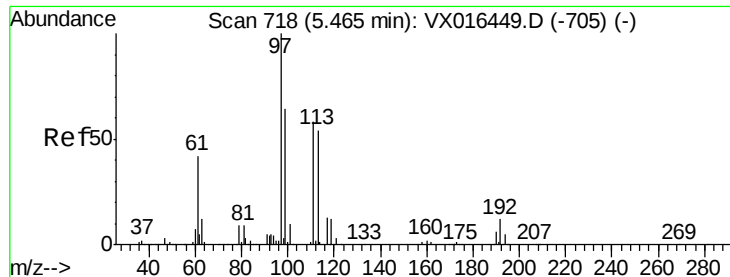


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

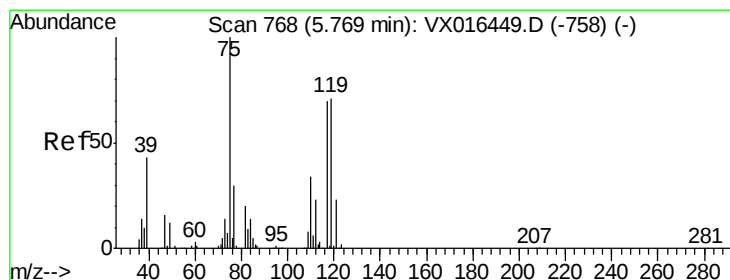
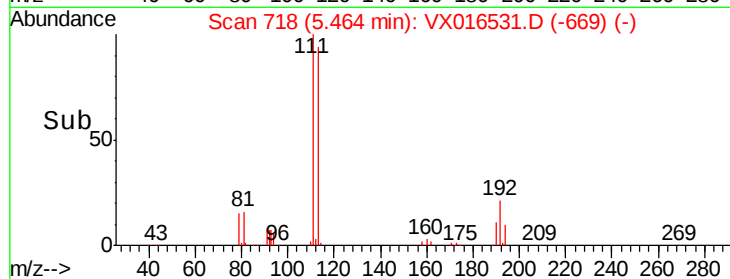
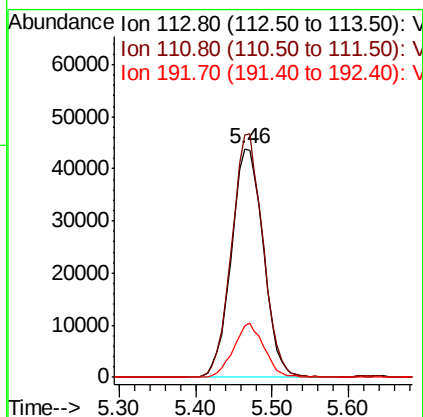
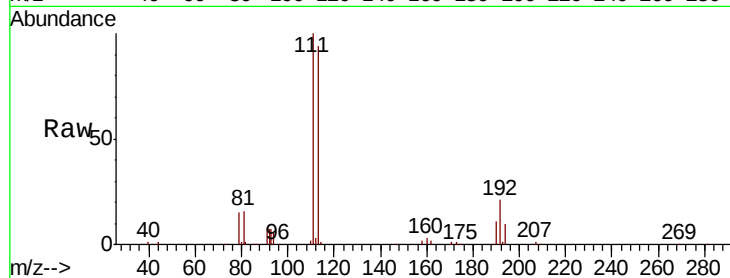




#35
 Dibromofluoromethane
 Concen: 47.180 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016531.D
 Acq: 01 Jun 2020 16:06

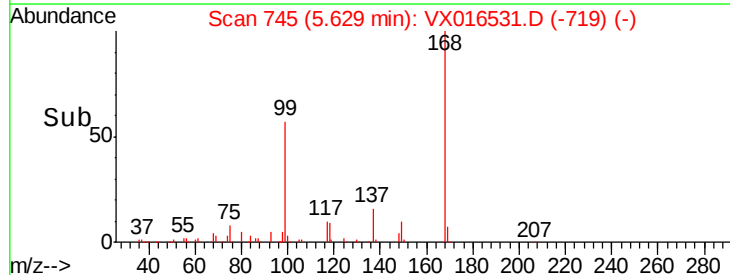
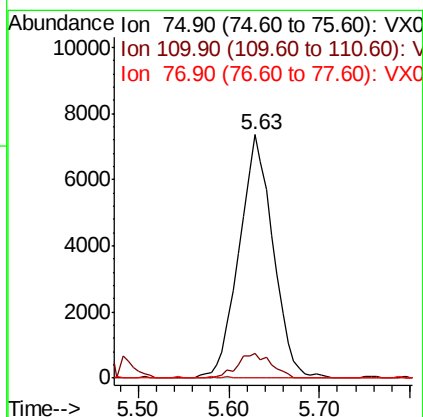
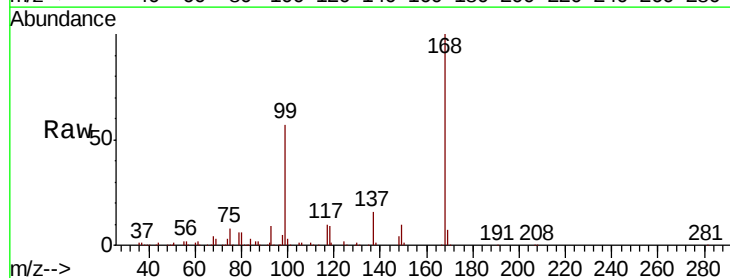
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW506-200528

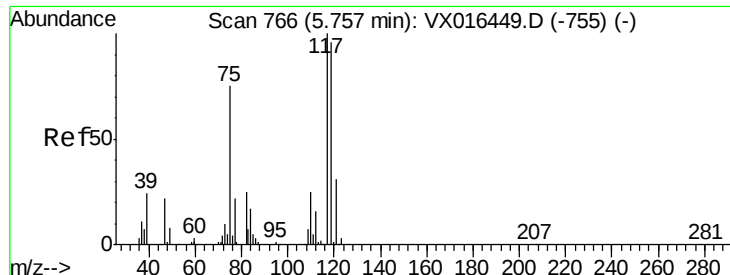
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.6
192	22.4	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016531.D
 Acq: 01 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

SS050MW506-200528

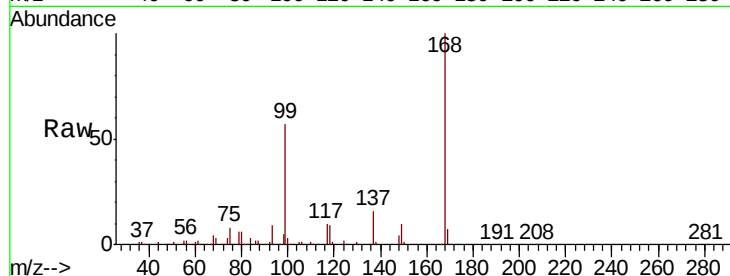
Tot Ion:117 Resp: 26620

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

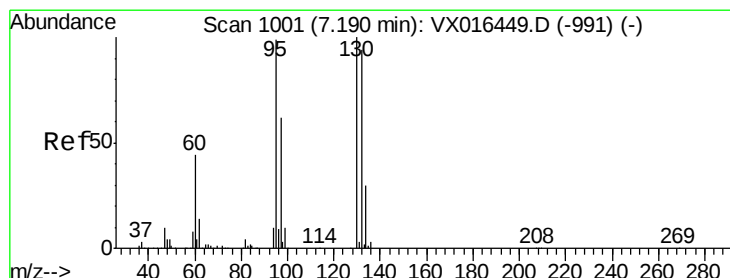
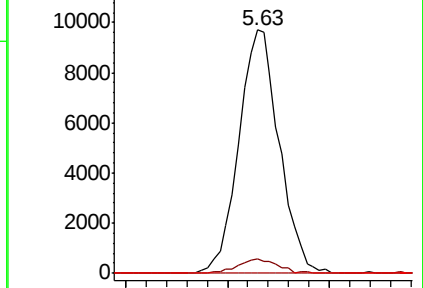
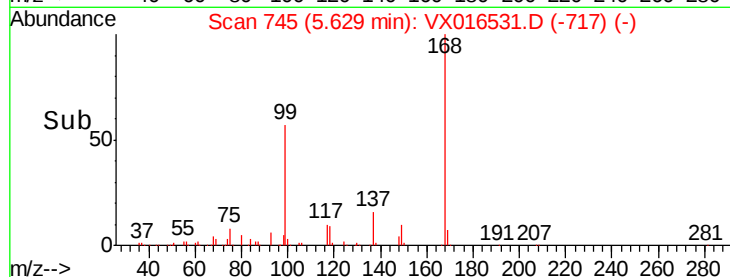
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.381 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016531.D

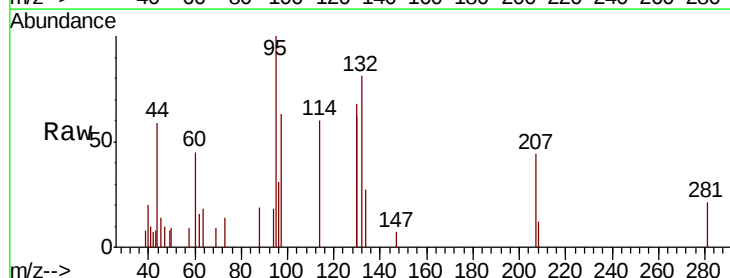
Acq: 01 Jun 2020 16:06

Tgt Ion:130 Resp: 1496

Ion Ratio Lower Upper

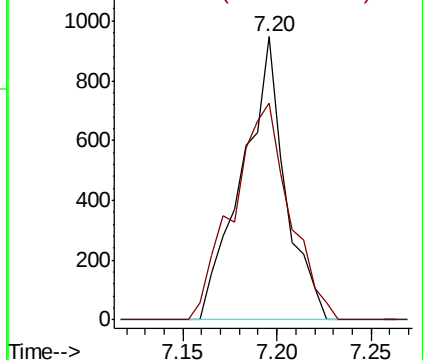
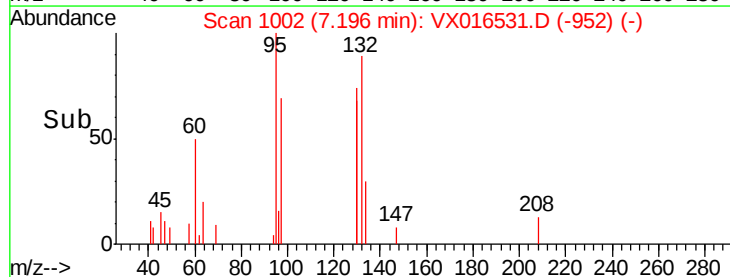
130 100

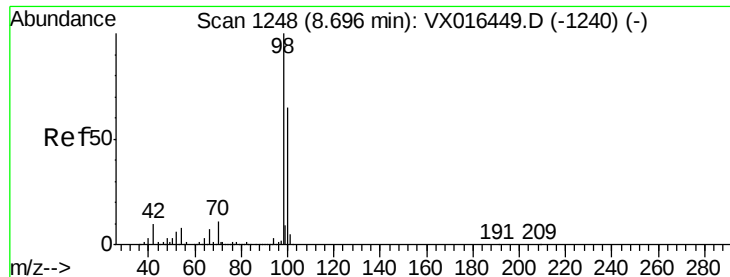
95 76.8 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.353 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

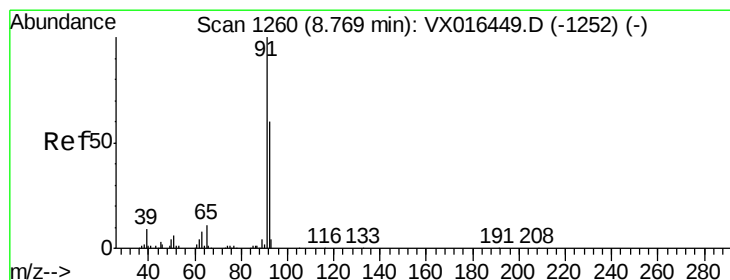
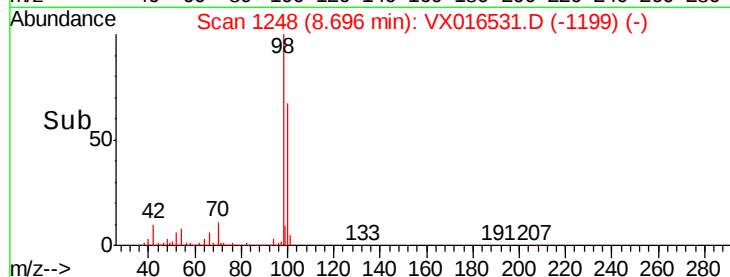
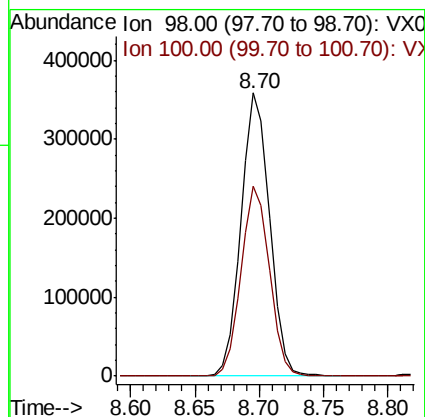
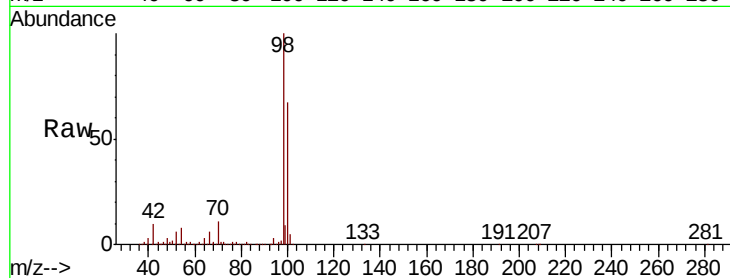
SS050MW506-200528

Tot Ion: 98 Resp: 550211

Ion Ratio Lower Upper

98 100

100 66.8 53.8 80.6



#52

Toluene

Concen: 3.243 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016531.D

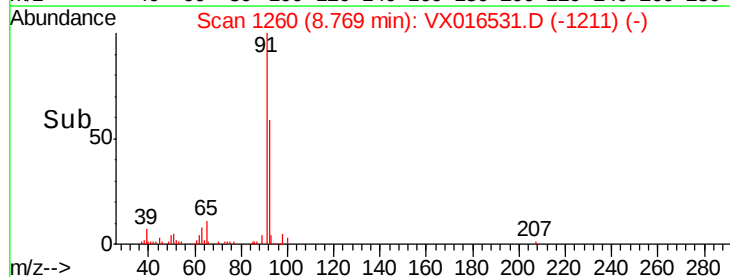
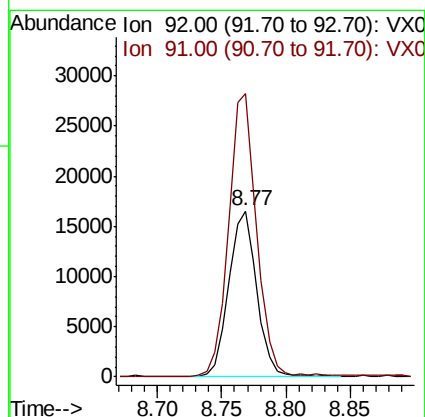
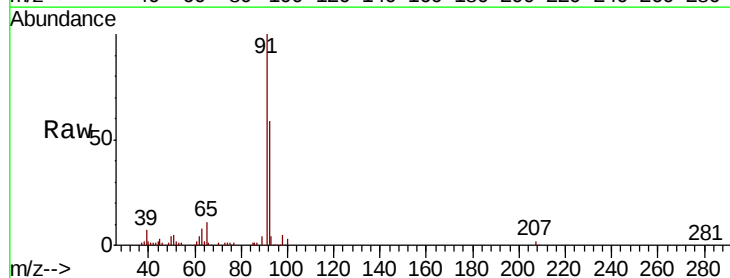
Acq: 01 Jun 2020 16:06

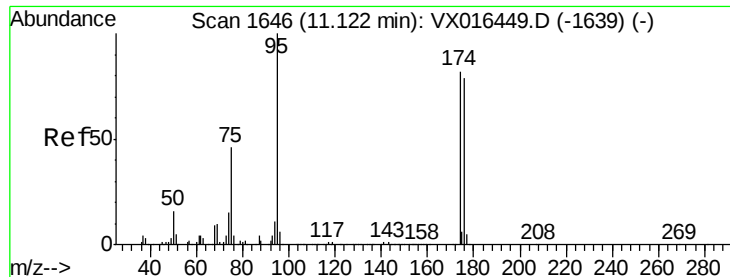
Tgt Ion: 92 Resp: 25286

Ion Ratio Lower Upper

92 100

91 170.4 135.0 202.4

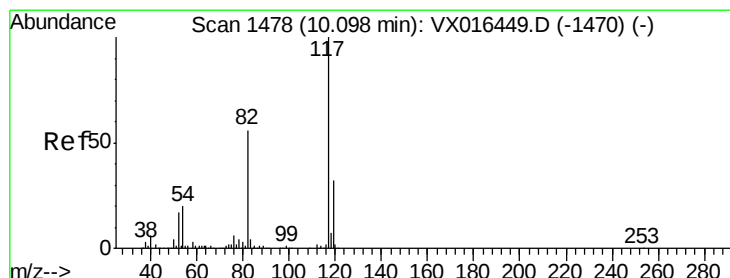
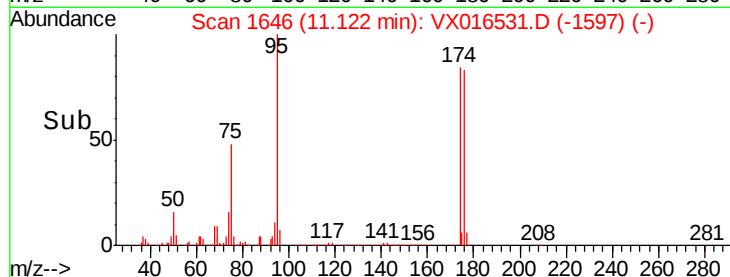
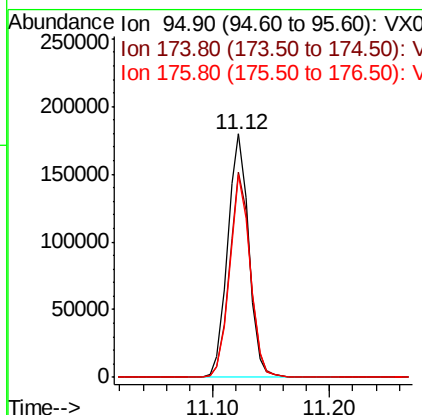
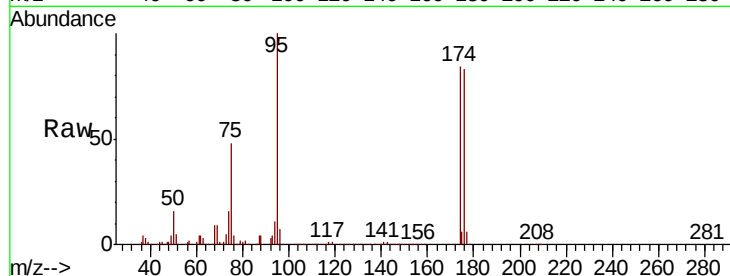




#62
4-Bromofluorobenzene
Concen: 55.522 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016531.D
Acq: 01 Jun 2020 16:06

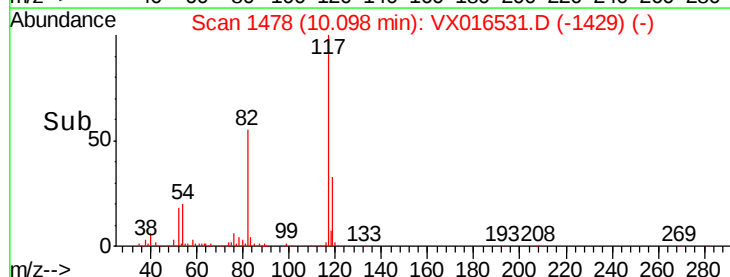
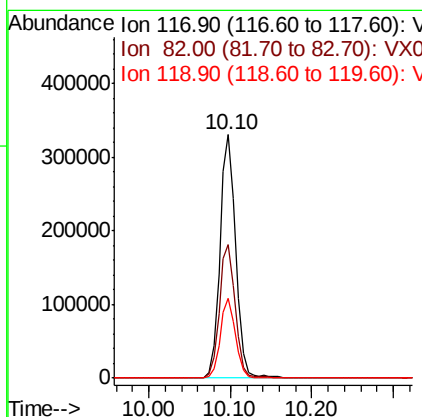
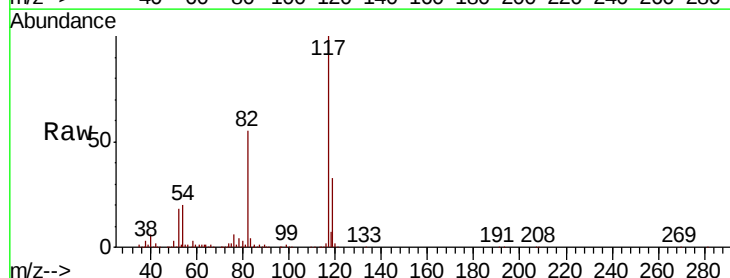
Instrument :
MSVOA_X
ClientSampleId :
SS050MW506-200528

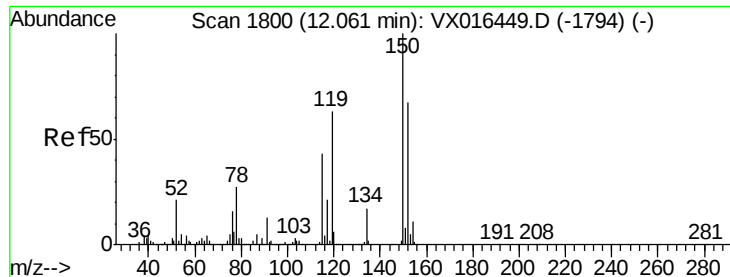
Tot Ion	95	Resp	225469
Ion Ratio	Lower	Upper	
95	100		
174	83.1	0.0	163.0
176	81.2	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016531.D
Acq: 01 Jun 2020 16:06

Tgt Ion	117	Resp	446317
Ion Ratio	Lower	Upper	
117	100		
82	55.0	45.0	67.6
119	32.5	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016531.D

Acq: 01 Jun 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

SS050MW506-200528

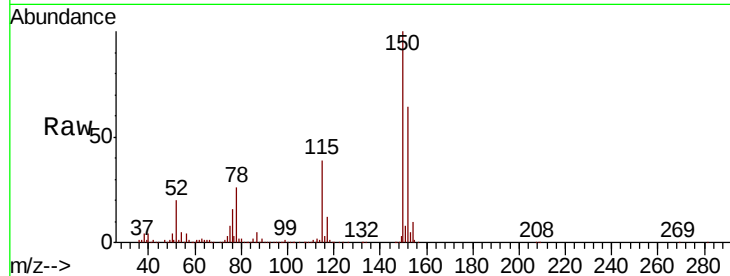
Tot Ion:152 Resp: 235275

Ion Ratio Lower Upper

152 100

115 58.8 39.9 119.6

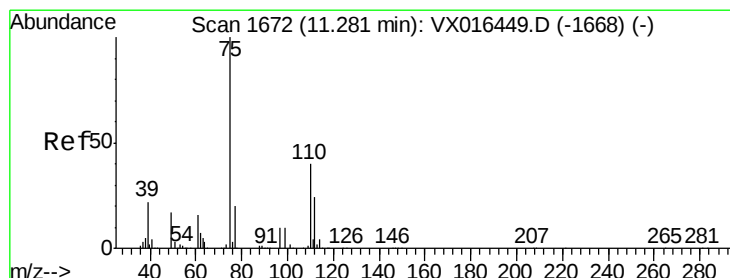
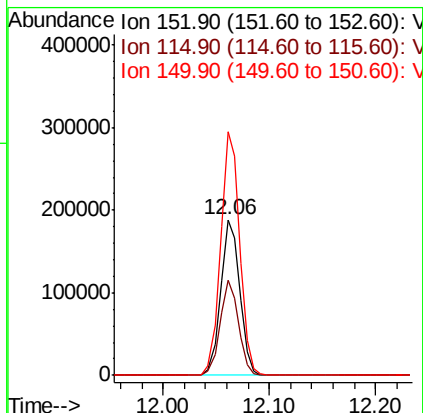
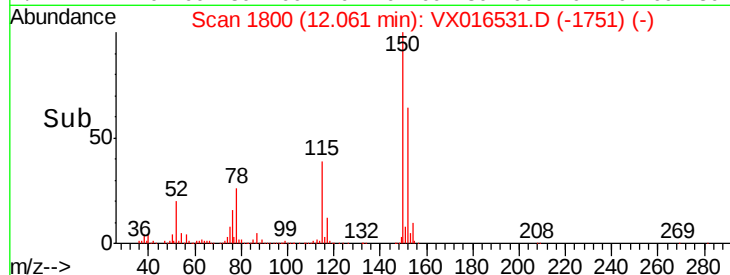
150 156.2 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 21.351 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016531.D

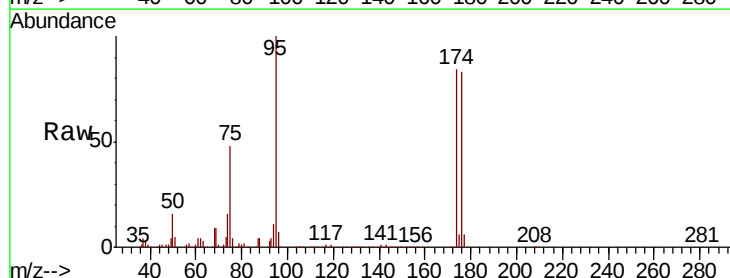
Acq: 01 Jun 2020 16:06

Tgt Ion: 75 Resp: 110418

Ion Ratio Lower Upper

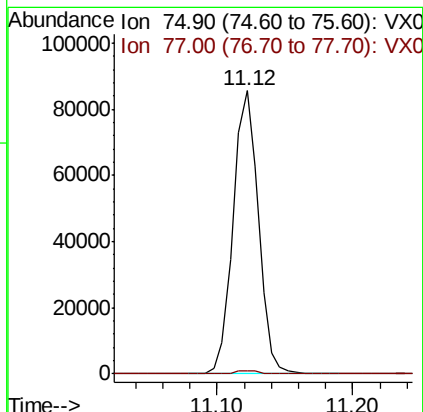
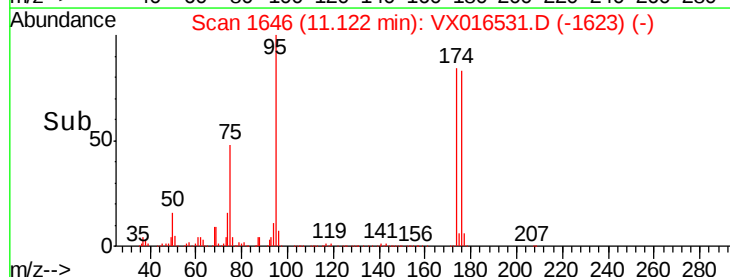
75 100

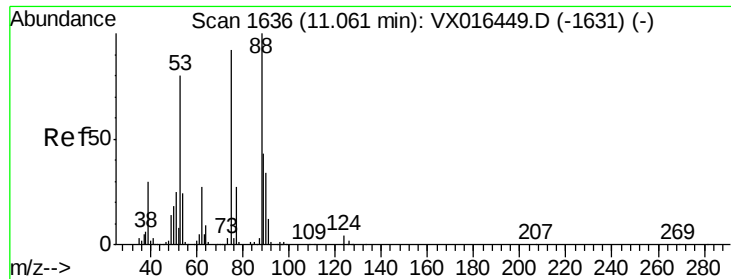
77 1.1 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.521 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016531.D
 Acq: 01 Jun 2020 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW506-200528

Tot Ion: 75 Resp: 110418
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

