

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016528.D
 Acq On : 01 Jun 2020 14:58
 Operator : JC/SP
 Sample : L2801-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-200527

Quant Time: Jun 02 01:48:11 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	271891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	439547	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	449260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	232945	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	156517	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.47	113	125937	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.70	98	552088	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.12	95	230016	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	

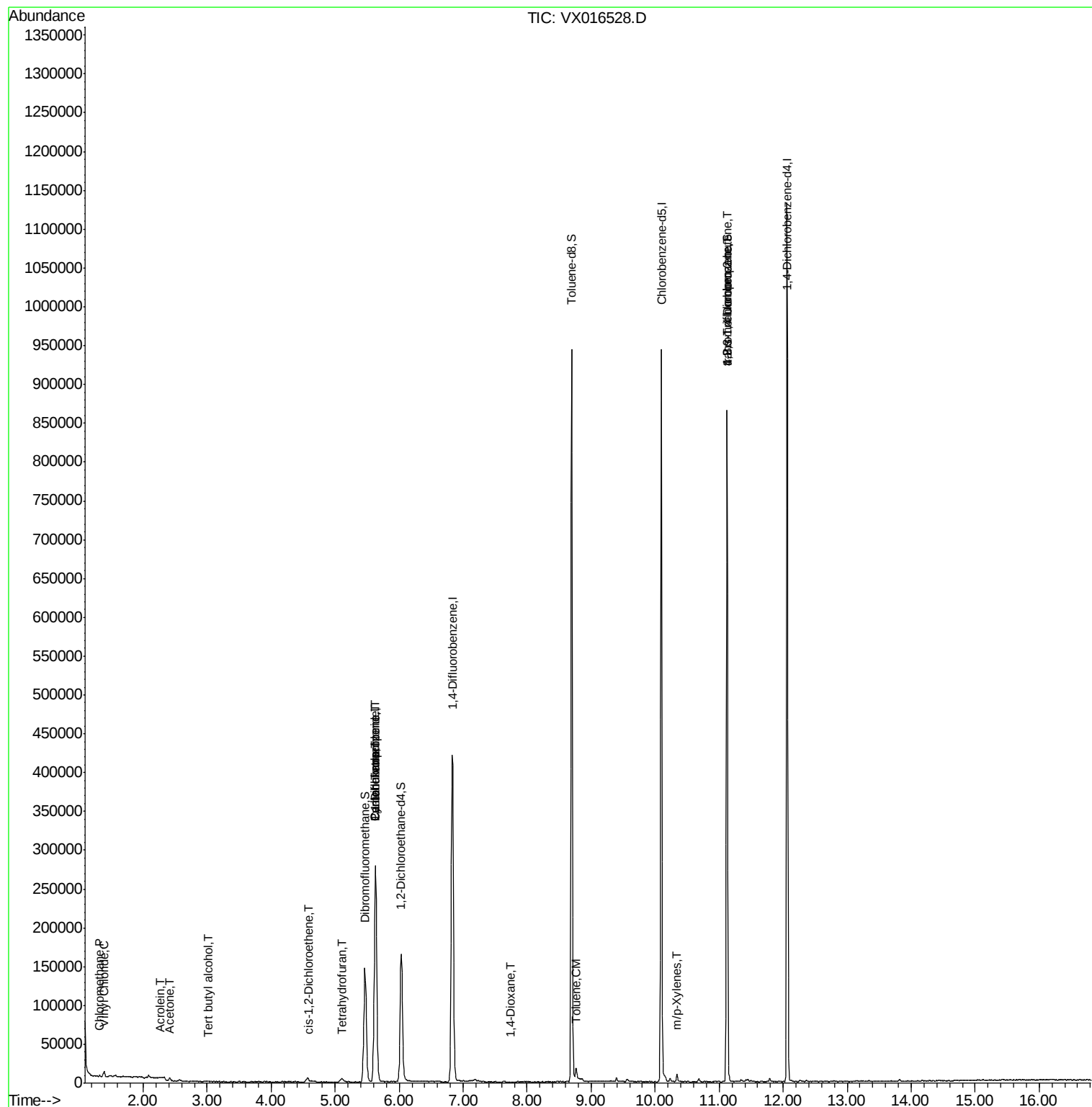
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1099	0.340	ug/l #	88
4) Vinyl Chloride	1.39	62	3722	1.088	ug/l	98
11) Tert butyl alcohol	3.01	59	786	0.908	ug/l	97
13) Acrolein	2.27	56	242	0.657	ug/l #	13
16) Acetone	2.42	43	4078	2.757	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	3764	1.124	ug/l #	1
29) Tetrahydrofuran	5.10	42	4192	2.589	ug/l	98
31) Cyclohexane	5.63	56	5044	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19528	4.692	ug/l #	42
38) Carbon Tetrachloride	5.63	117	25828	5.906	ug/l #	16
49) 1,4-Dioxane	7.73	88	20	0.229	ug/l #	1
52) Toluene	8.76	92	5057	0.647	ug/l	97
68) m/p-Xylenes	10.34	106	2250	0.372	ug/l	80
76) 1,2,3-Trichloropropane	11.12	75	110870	21.653	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110870	53.264	ug/l #	14

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 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: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

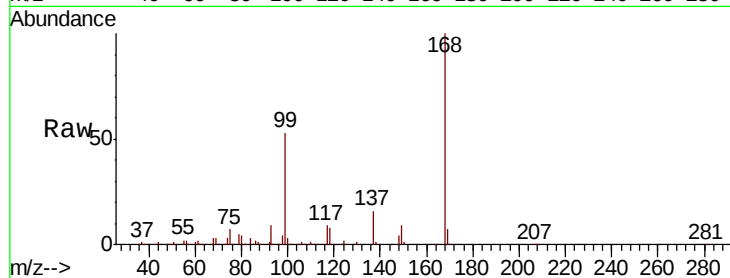
SS050MW035-200527

Tot Ion:168 Resp: 271891

Ion Ratio Lower Upper

168 100

99 53.3 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

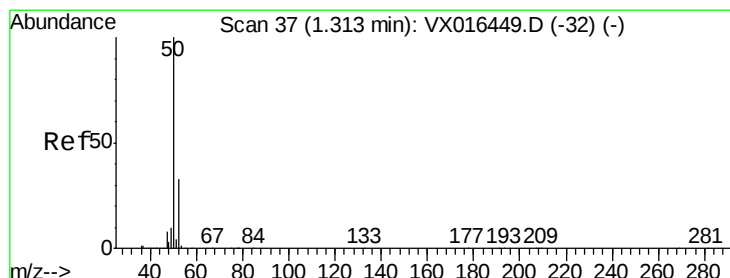
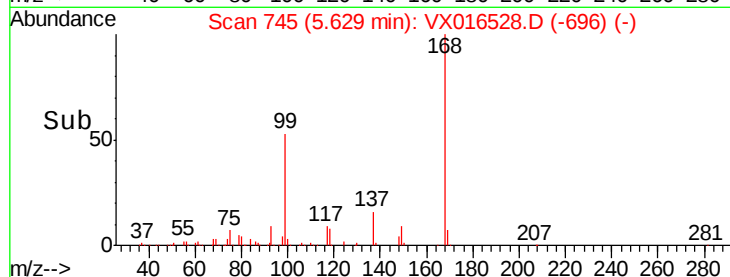
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.340 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016528.D

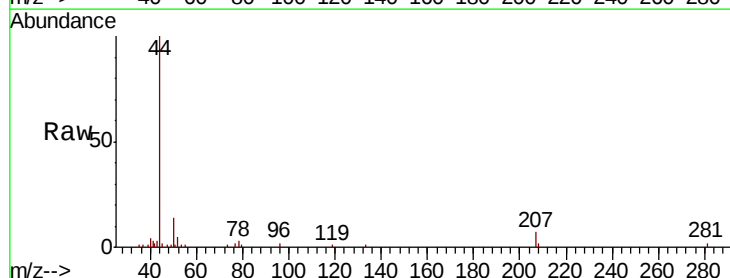
Acq: 01 Jun 2020 14:58

Tgt Ion: 50 Resp: 1099

Ion Ratio Lower Upper

50 100

52 39.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

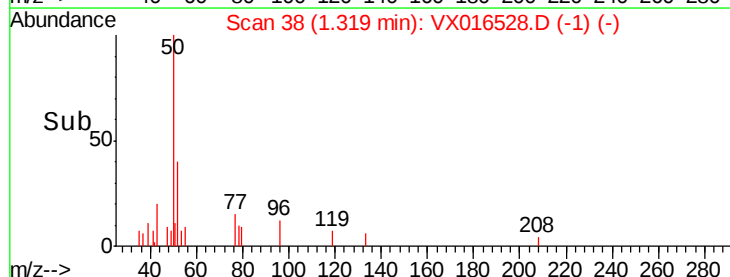
600

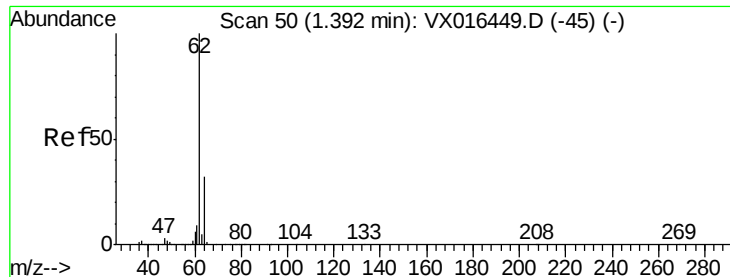
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 1.088 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

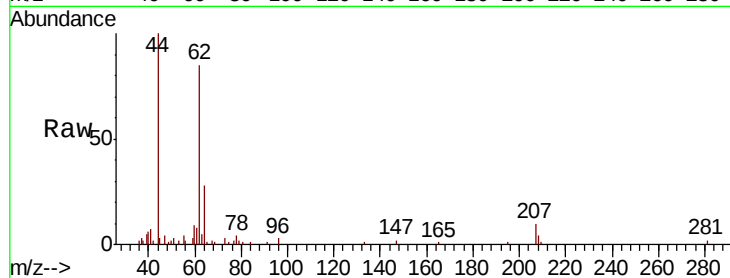
SS050MW035-200527

Tot Ion: 62 Resp: 3722

Ion Ratio Lower Upper

62 100

64 33.3 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

4000

3000

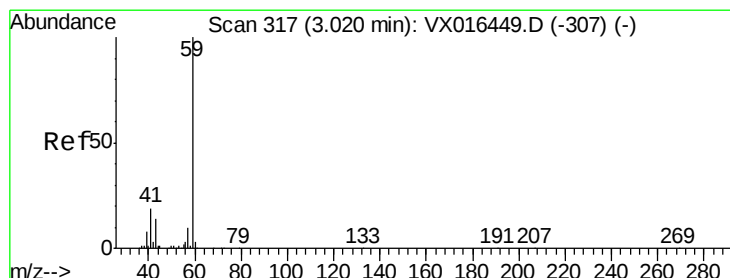
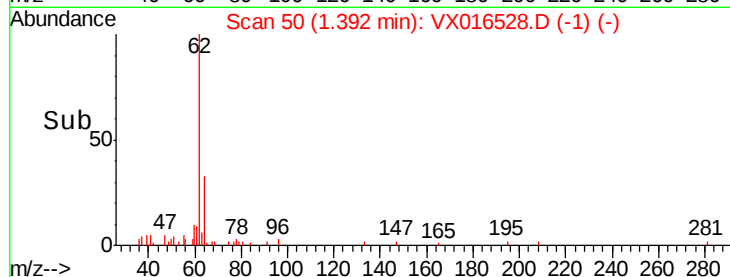
2000

1000

0

Time-->

1.35 1.40 1.45



#11

Tert butyl alcohol

Concen: 0.908 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016528.D

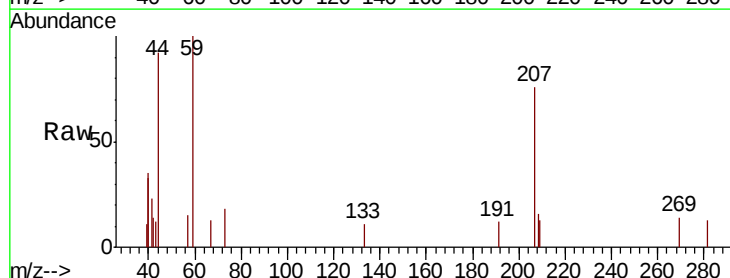
Acq: 01 Jun 2020 14:58

Tgt Ion: 59 Resp: 786

Ion Ratio Lower Upper

59 100

57 9.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

500

400

300

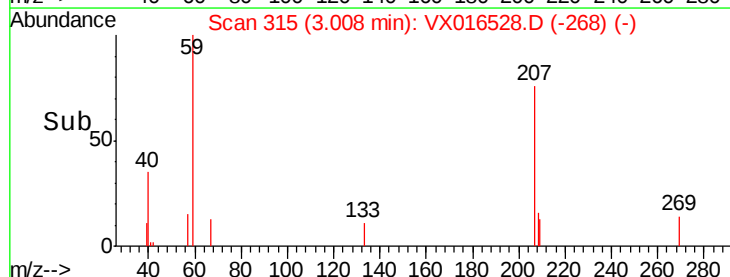
200

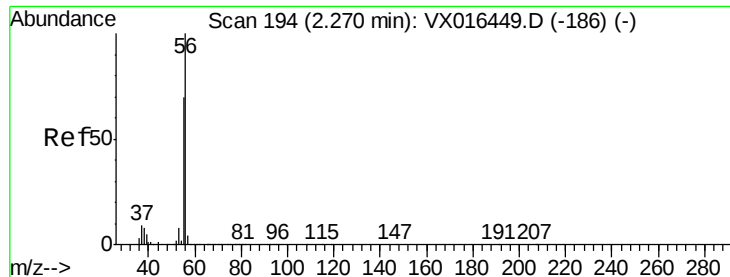
100

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 0.657 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

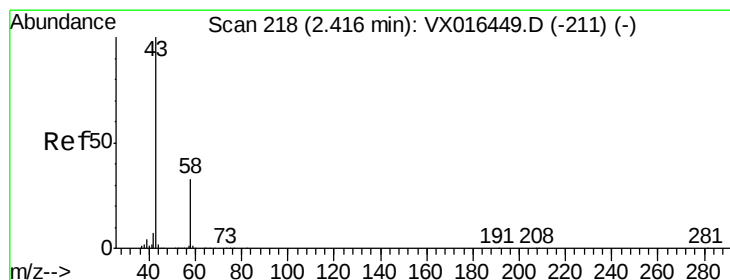
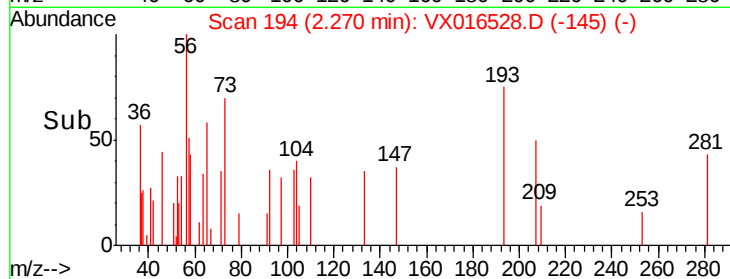
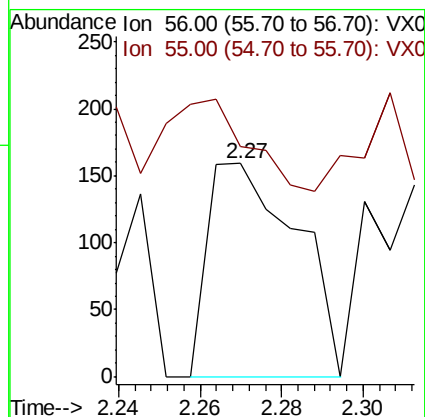
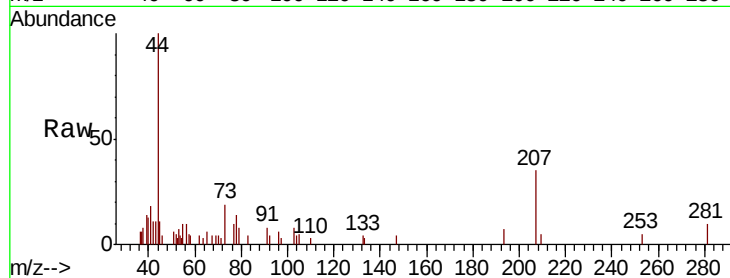
SS050MW035-200527

Tot Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 0.0 58.3 87.5#



#16

Acetone

Concen: 2.757 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016528.D

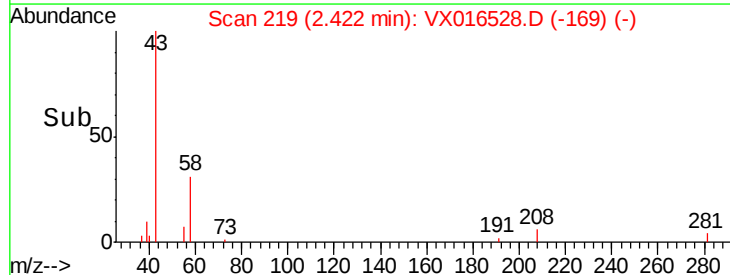
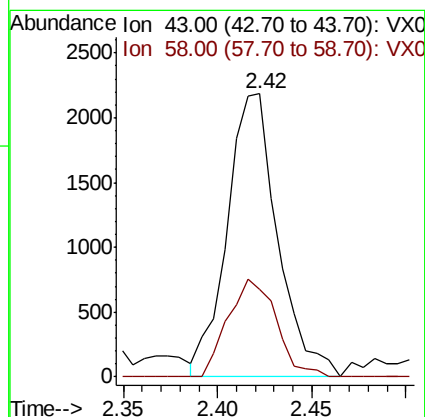
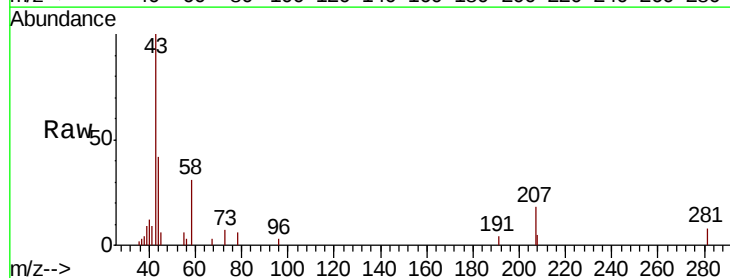
Acq: 01 Jun 2020 14:58

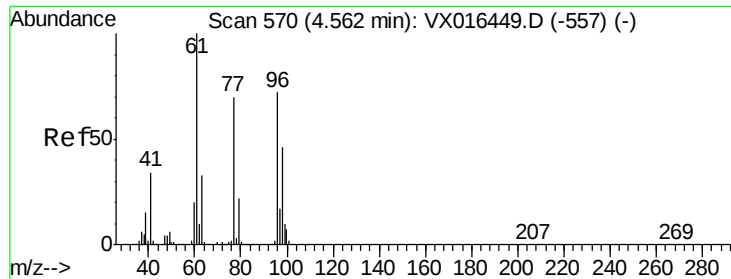
Tgt Ion: 43 Resp: 4078

Ion Ratio Lower Upper

43 100

58 30.9 26.1 39.1



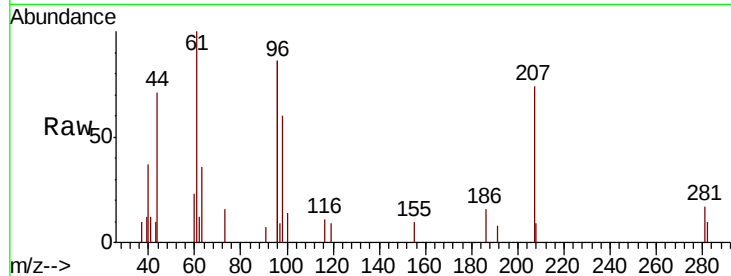


#27

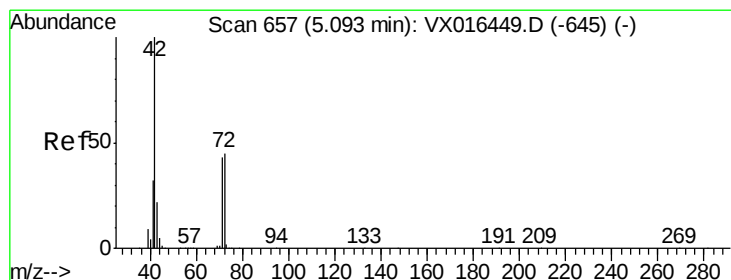
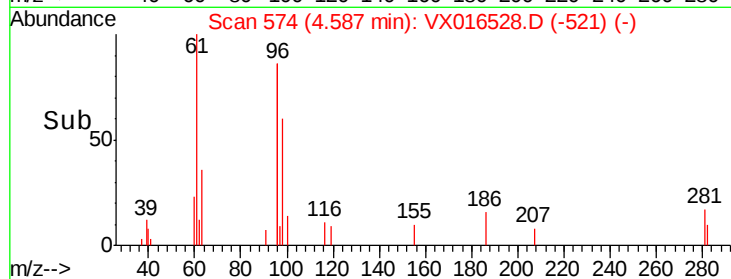
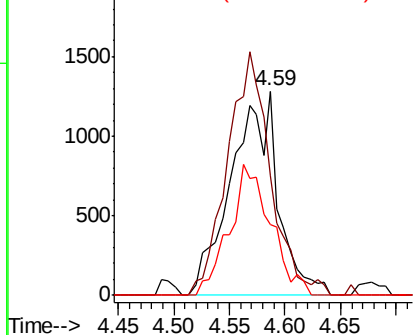
cis-1,2-Dichloroethene
 Concen: 1.124 ug/l
 RT: 4.59 min Scan# 574
 Delta R.T. 0.02 min
 Lab File: VX016528.D
 Acq: 01 Jun 2020 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW035-200527

Tot Ion	96	Resp:	3764
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	284.6
98	0.0	0.0	127.2



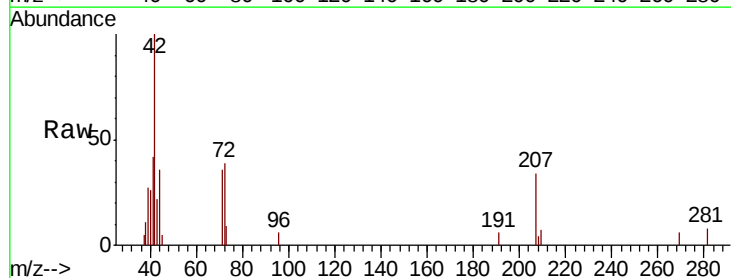
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



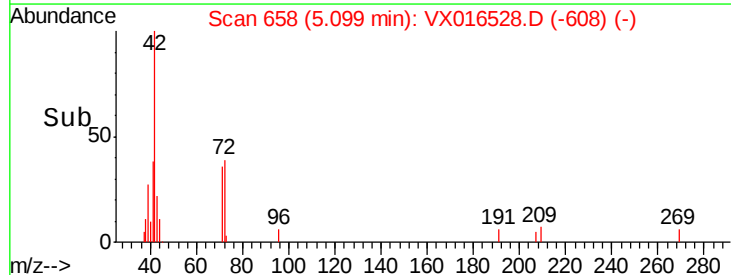
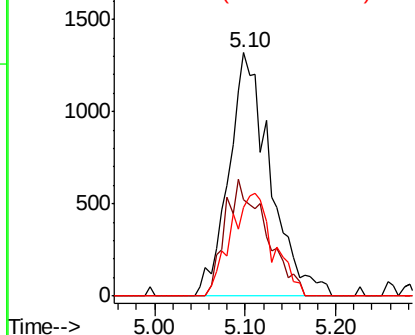
#29

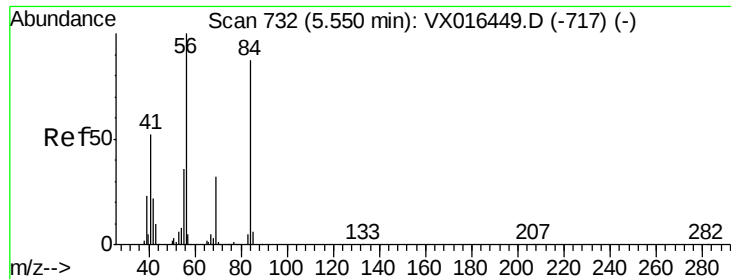
Tetrahydrofuran
 Concen: 2.589 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX016528.D
 Acq: 01 Jun 2020 14:58

Tgt Ion	42	Resp:	4192
Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.0	55.4
71	43.3	34.1	51.1



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

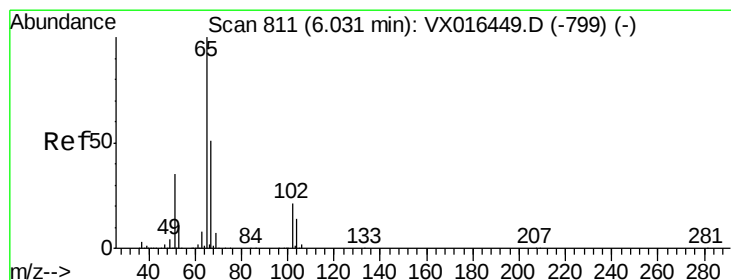
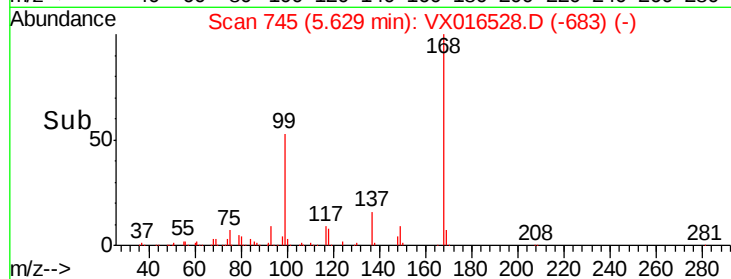
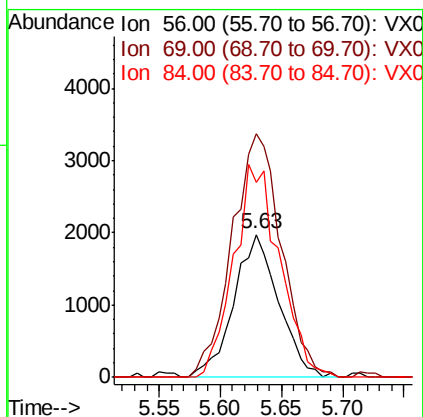
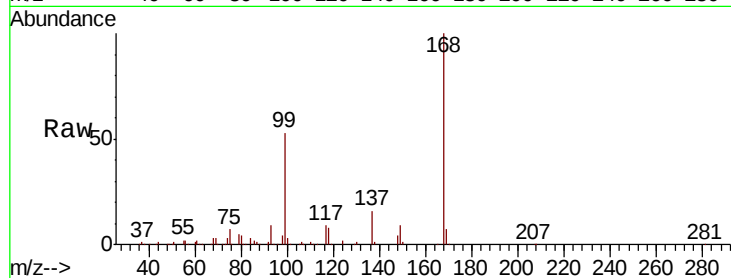




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016528.D
Acq: 01 Jun 2020 14:58

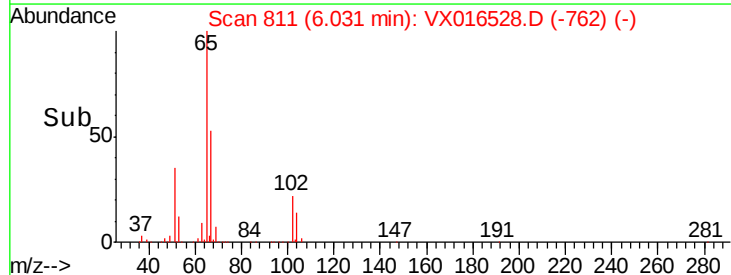
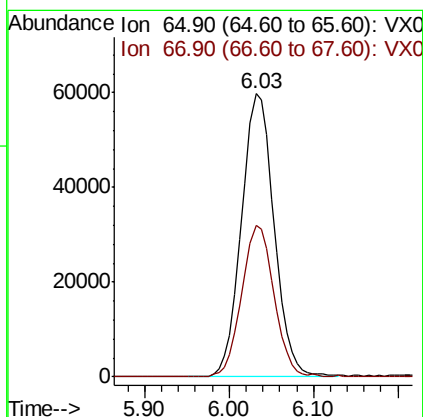
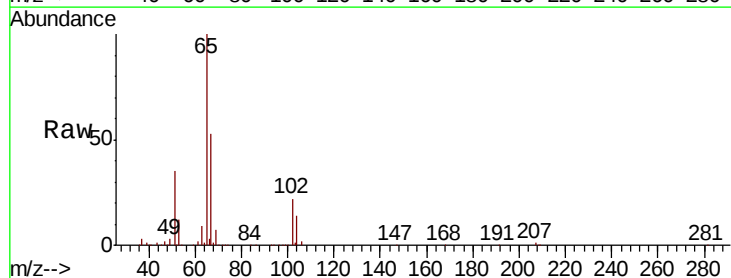
Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-200527

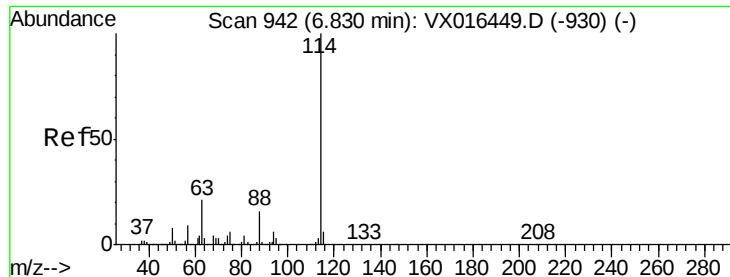
Tot Ion: 56 Resp: 5044
Ion Ratio Lower Upper
56 100
69 170.3 25.7 38.5#
84 136.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.354 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016528.D
Acq: 01 Jun 2020 14:58

Tgt Ion: 65 Resp: 156517
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-200527

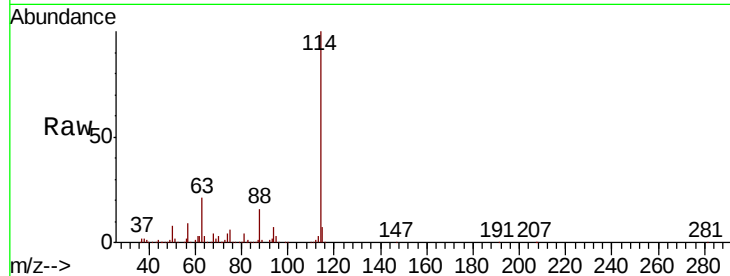
Tot Ion:114 Resp: 439547

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

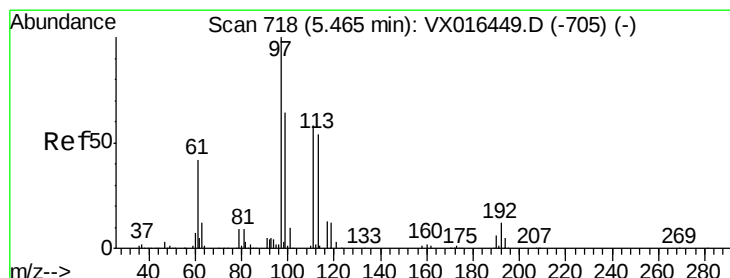
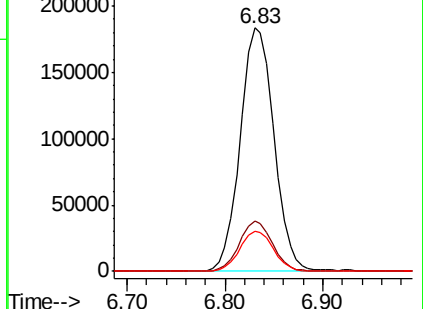
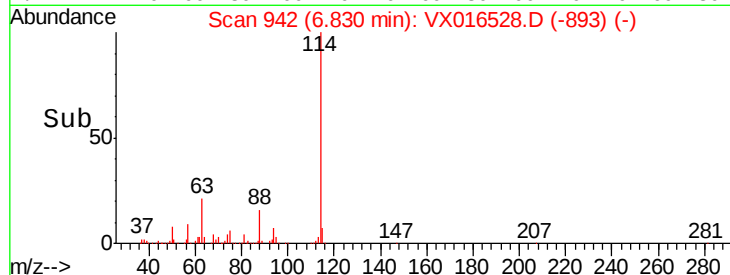
88 16.2 0.0 32.8



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: 46.532 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

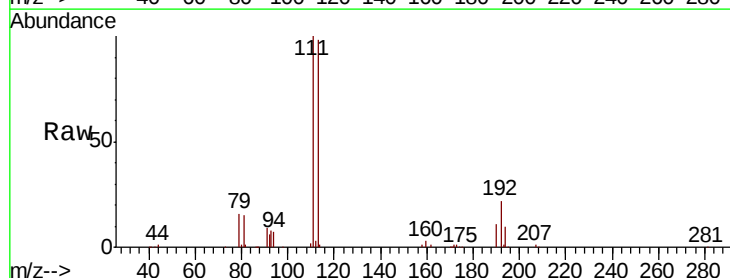
Tgt Ion:113 Resp: 125937

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

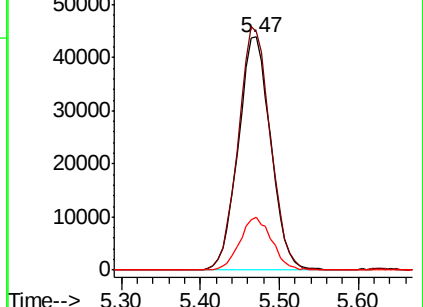
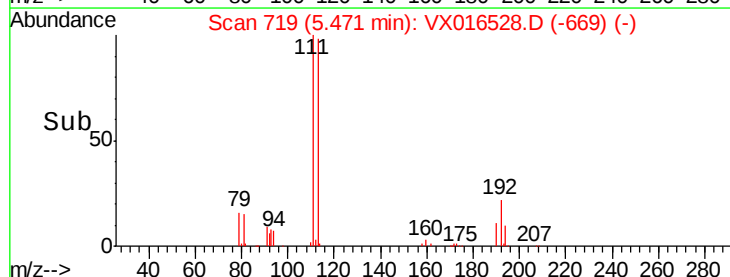
192 22.2 17.7 26.5

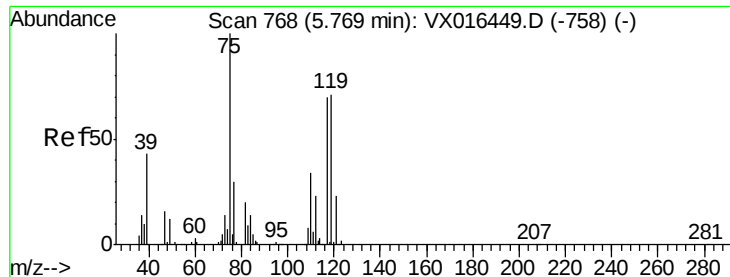


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-200527

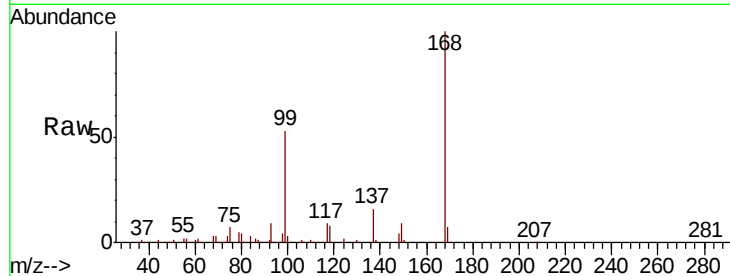
Tot Ion: 75 Resp: 19528

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

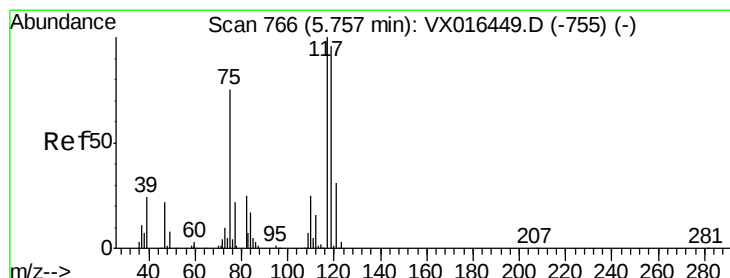
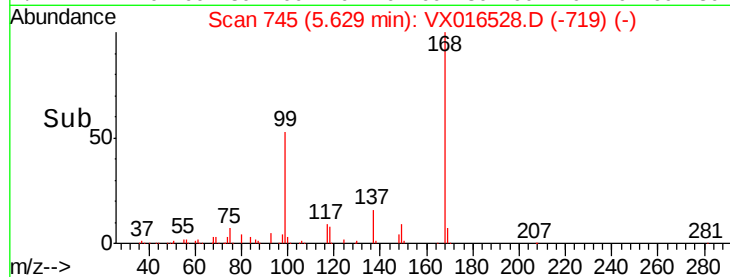
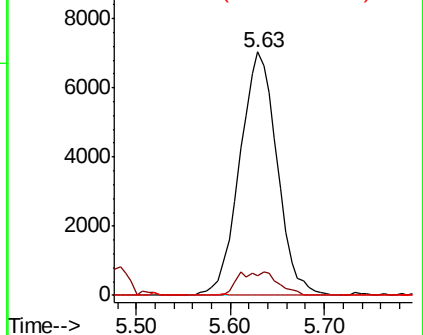
77 0.0 24.2 36.4#



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: 5.906 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

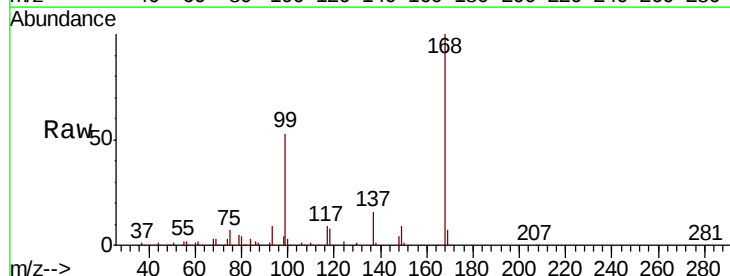
Tgt Ion:117 Resp: 25828

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

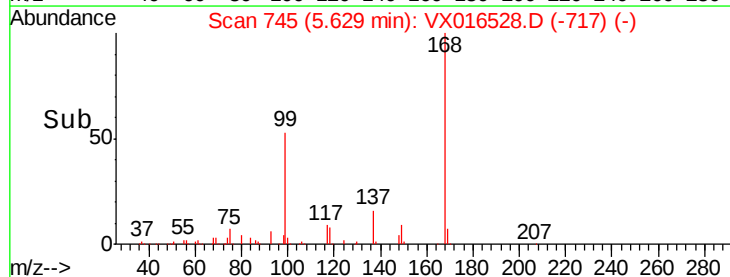
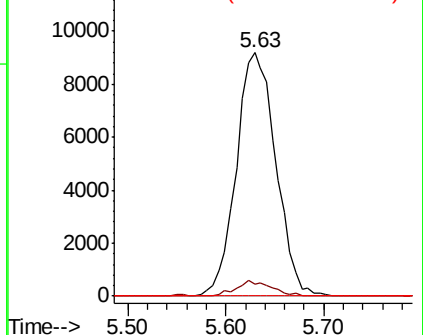
121 0.0 24.6 37.0#

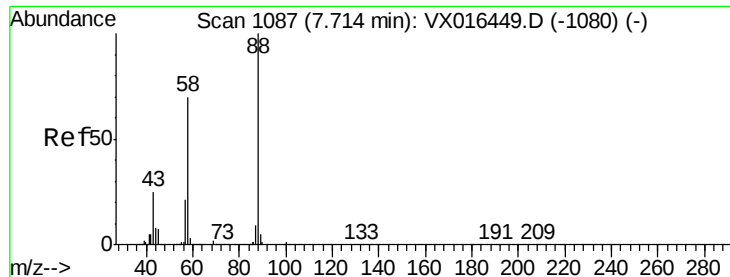


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.229 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-200527

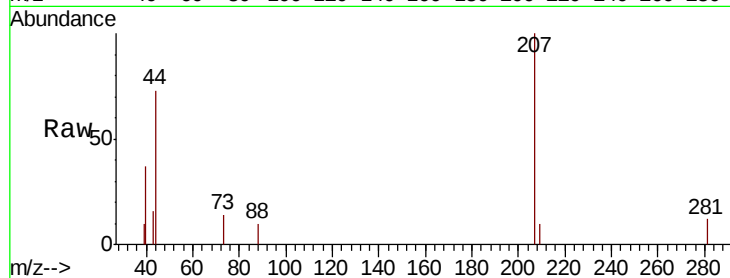
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 645.0 24.2 36.4#

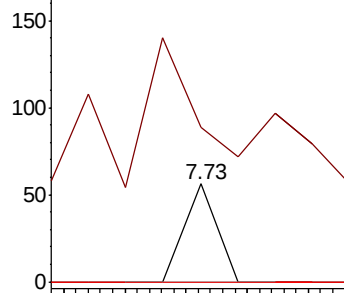
58 0.0 56.5 84.7#



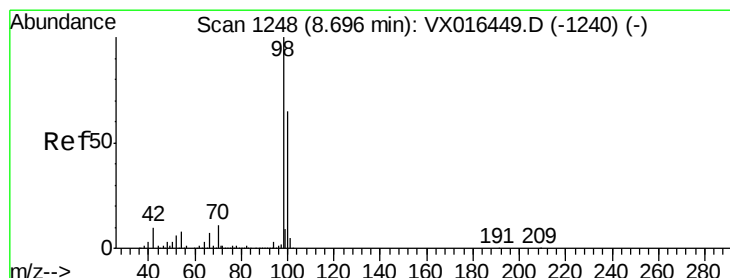
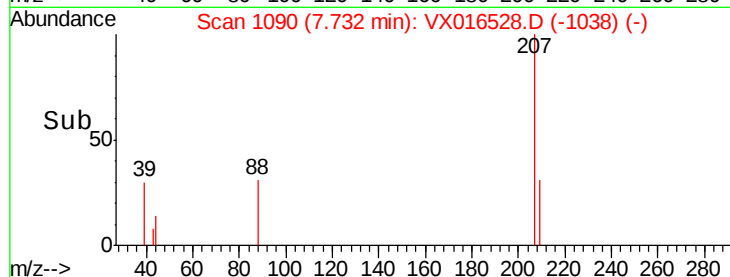
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.409 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016528.D

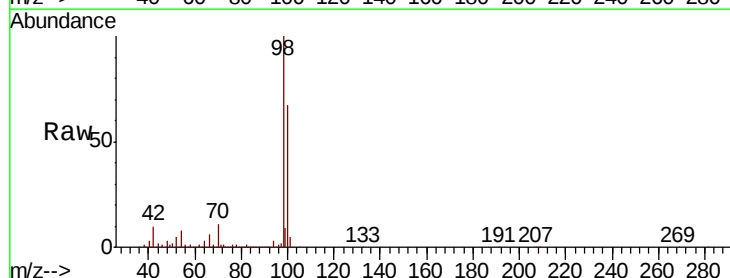
Acq: 01 Jun 2020 14:58

Tgt Ion: 98 Resp: 552088

Ion Ratio Lower Upper

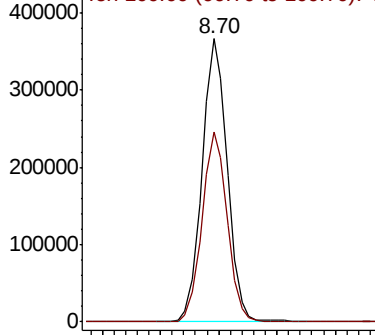
98 100

100 67.1 53.8 80.6

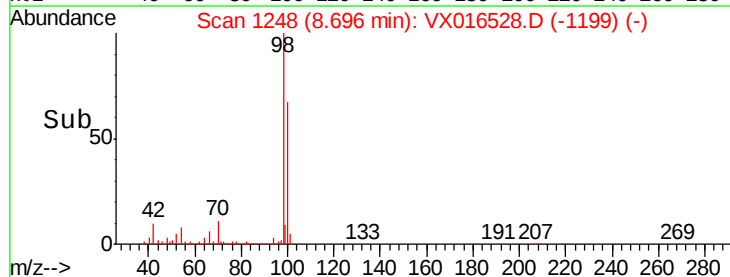


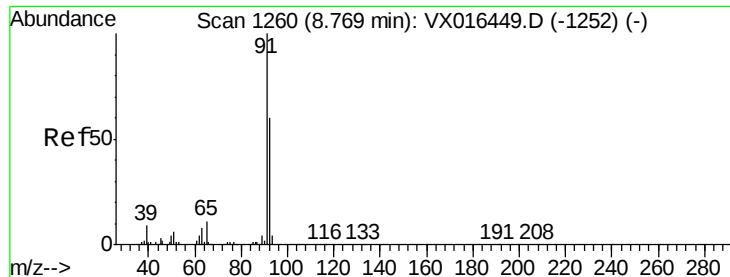
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#52

Toluene

Concen: 0.647 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

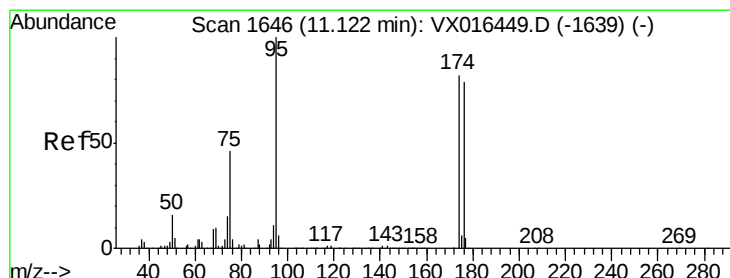
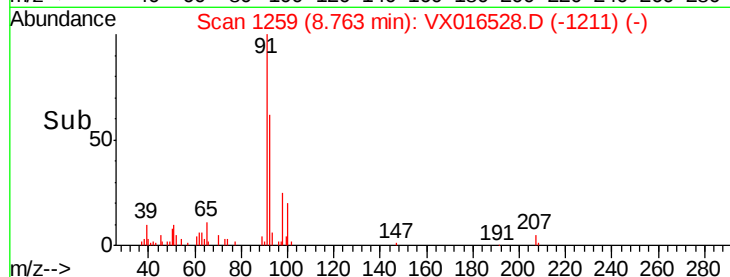
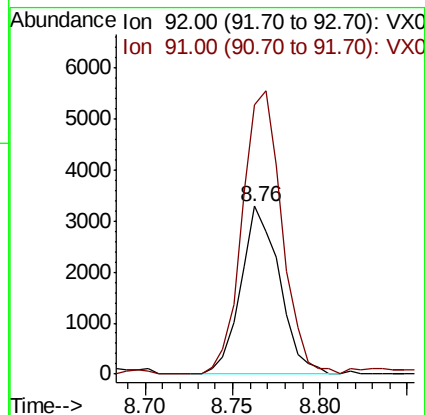
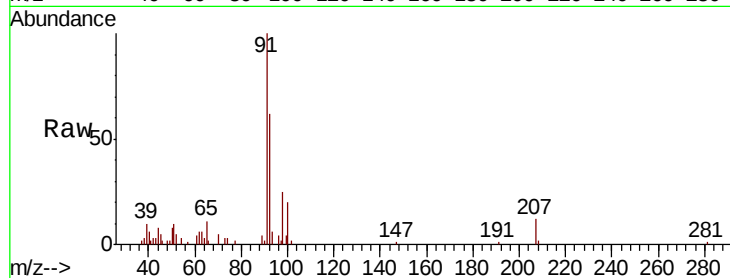
SS050MW035-200527

Tot Ion: 92 Resp: 5057

Ion Ratio Lower Upper

92 100

91 172.7 135.0 202.4



#62

4-Bromofluorobenzene

Concen: 56.509 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

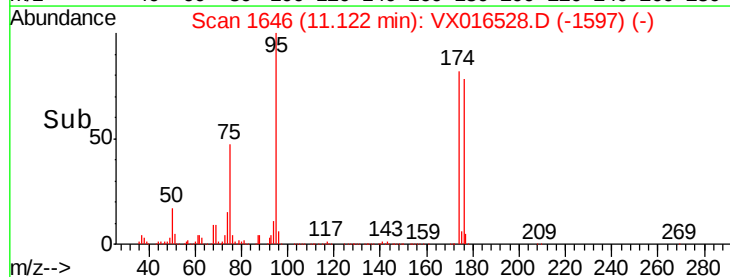
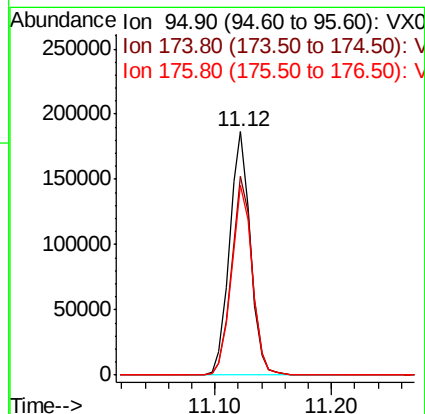
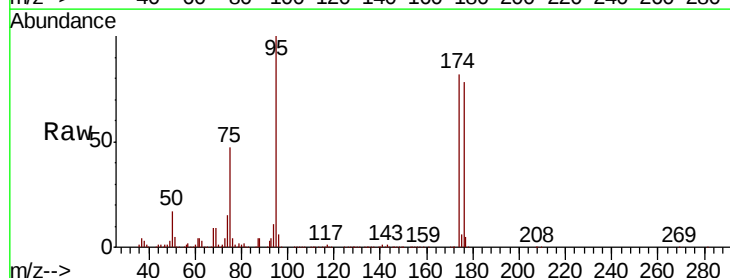
Tgt Ion: 95 Resp: 230016

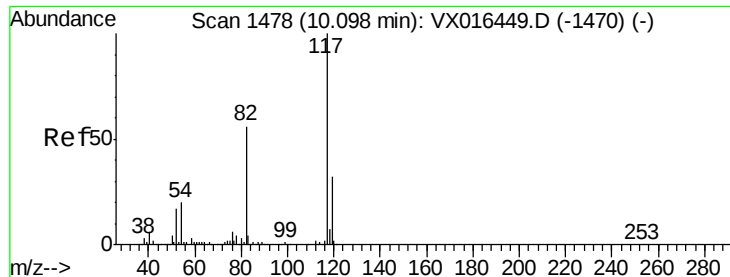
Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.0

176 78.6 0.0 156.8

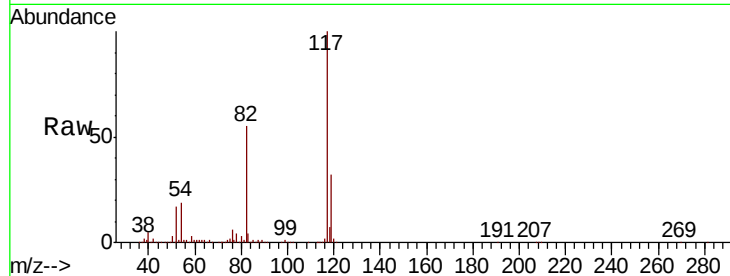




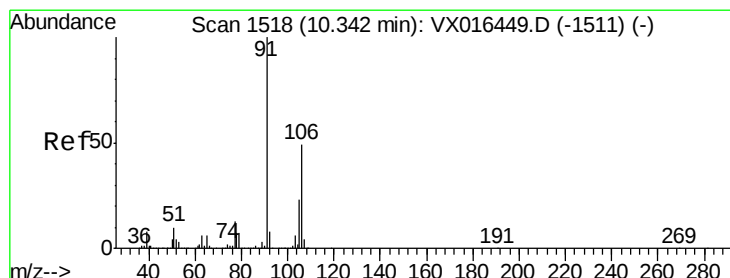
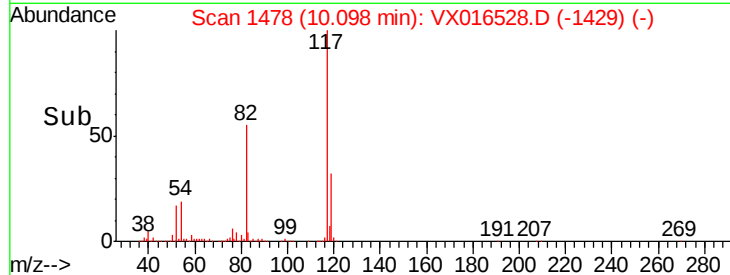
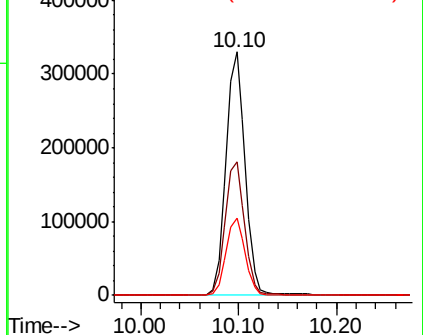
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016528.D
Acq: 01 Jun 2020 14:58

Instrument :
MSVOA_X
ClientSampleId :
SS050MW035-200527

Tot Ion:117 Resp: 449260
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 31.7 25.8 38.8

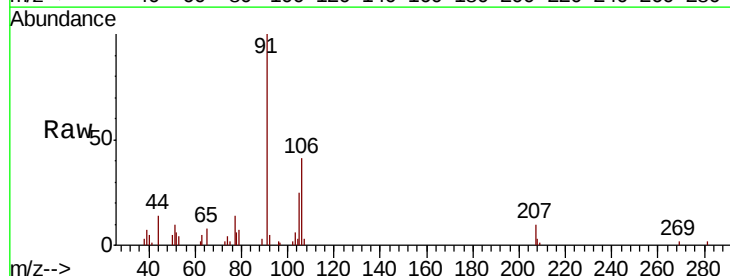


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

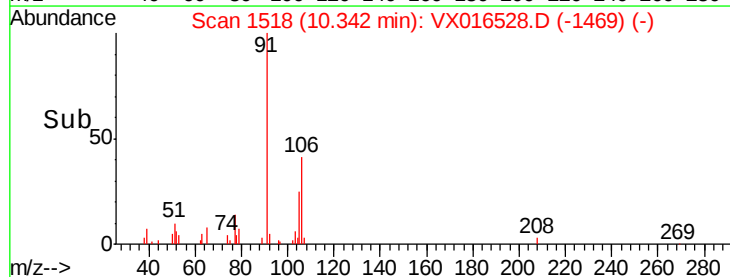
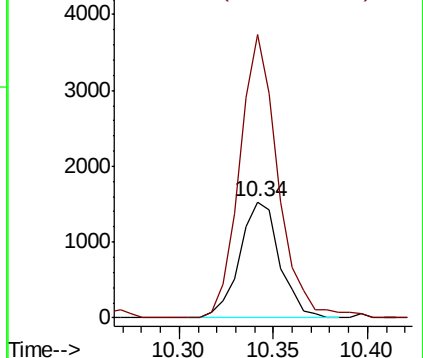


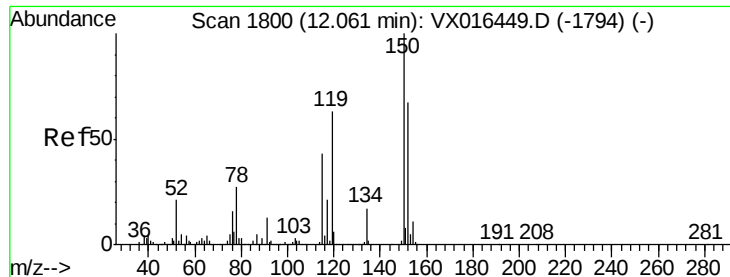
#68
m/p-Xylenes
Concen: 0.372 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016528.D
Acq: 01 Jun 2020 14:58

Tgt Ion:106 Resp: 2250
Ion Ratio Lower Upper
106 100
91 234.8 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-200527

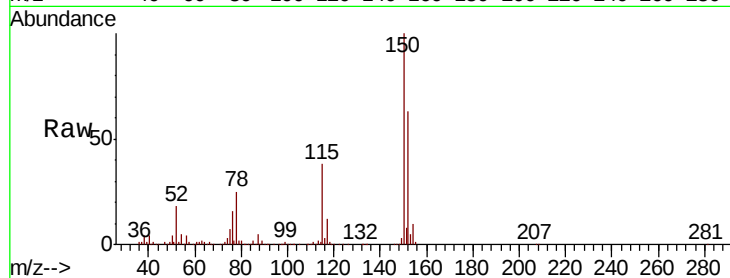
Tot Ion:152 Resp: 232945

Ion Ratio Lower Upper

152 100

115 58.7 39.9 119.6

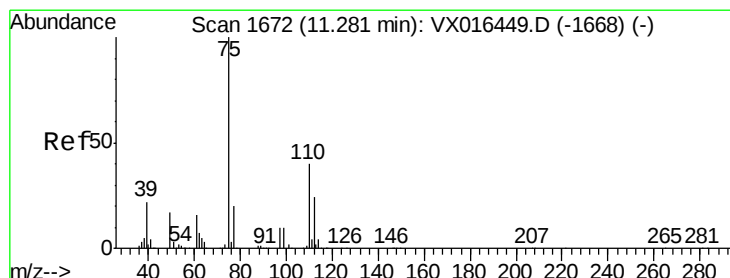
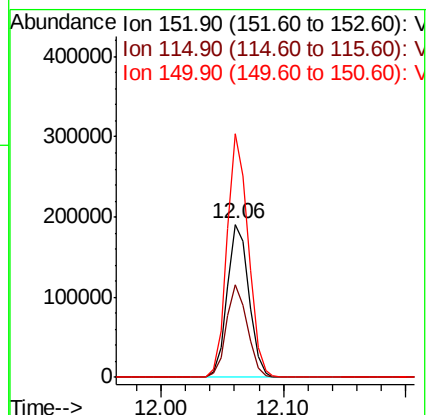
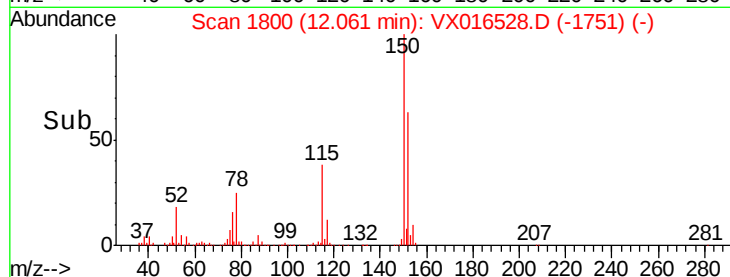
150 156.2 0.0 341.0



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: 21.653 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016528.D

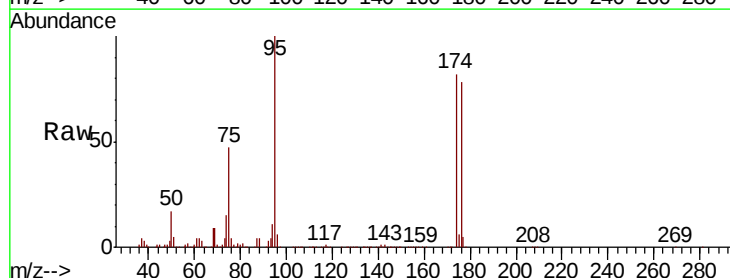
Acq: 01 Jun 2020 14:58

Tgt Ion: 75 Resp: 110870

Ion Ratio Lower Upper

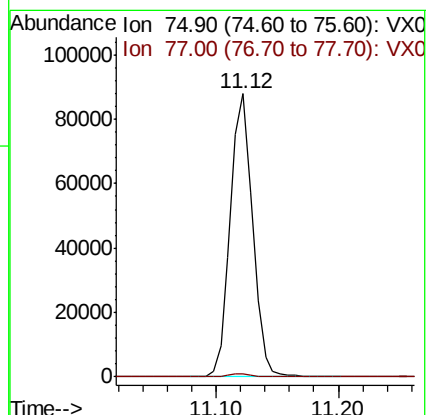
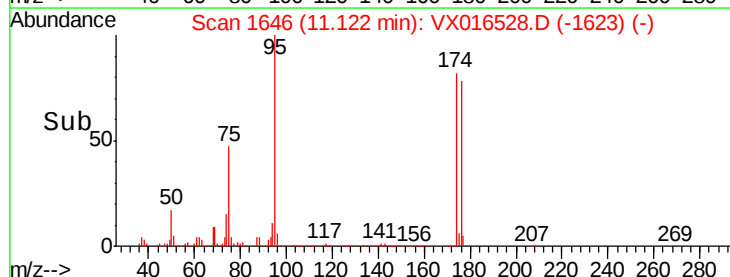
75 100

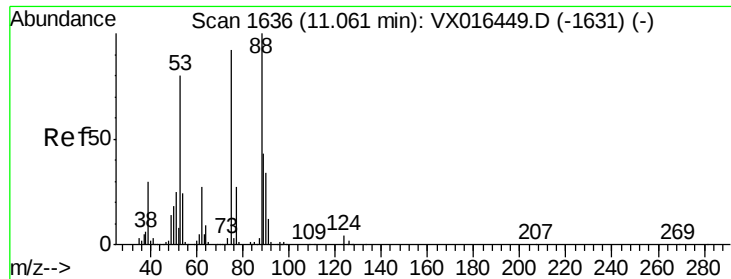
77 1.3 21.3 63.7#



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: 53.264 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016528.D

Acq: 01 Jun 2020 14:58

Instrument :

MSVOA_X

ClientSampleId :

SS050MW035-200527

Tot Ion: 75 Resp: 110870

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

