

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
 Data File : VX016817.D
 Acq On : 17 Jun 2020 15:29
 Operator : JC/SP
 Sample : L2993-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW039-200610RE

Quant Time: Jun 18 00:44:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	283831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	495976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	455444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235882	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	158543	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	5.46	113	134978	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	
50) Toluene-d8	8.70	98	545376	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.12	95	265516	61.52	ug/l	0.00
Spiked Amount			Recovery	=	123.04%	

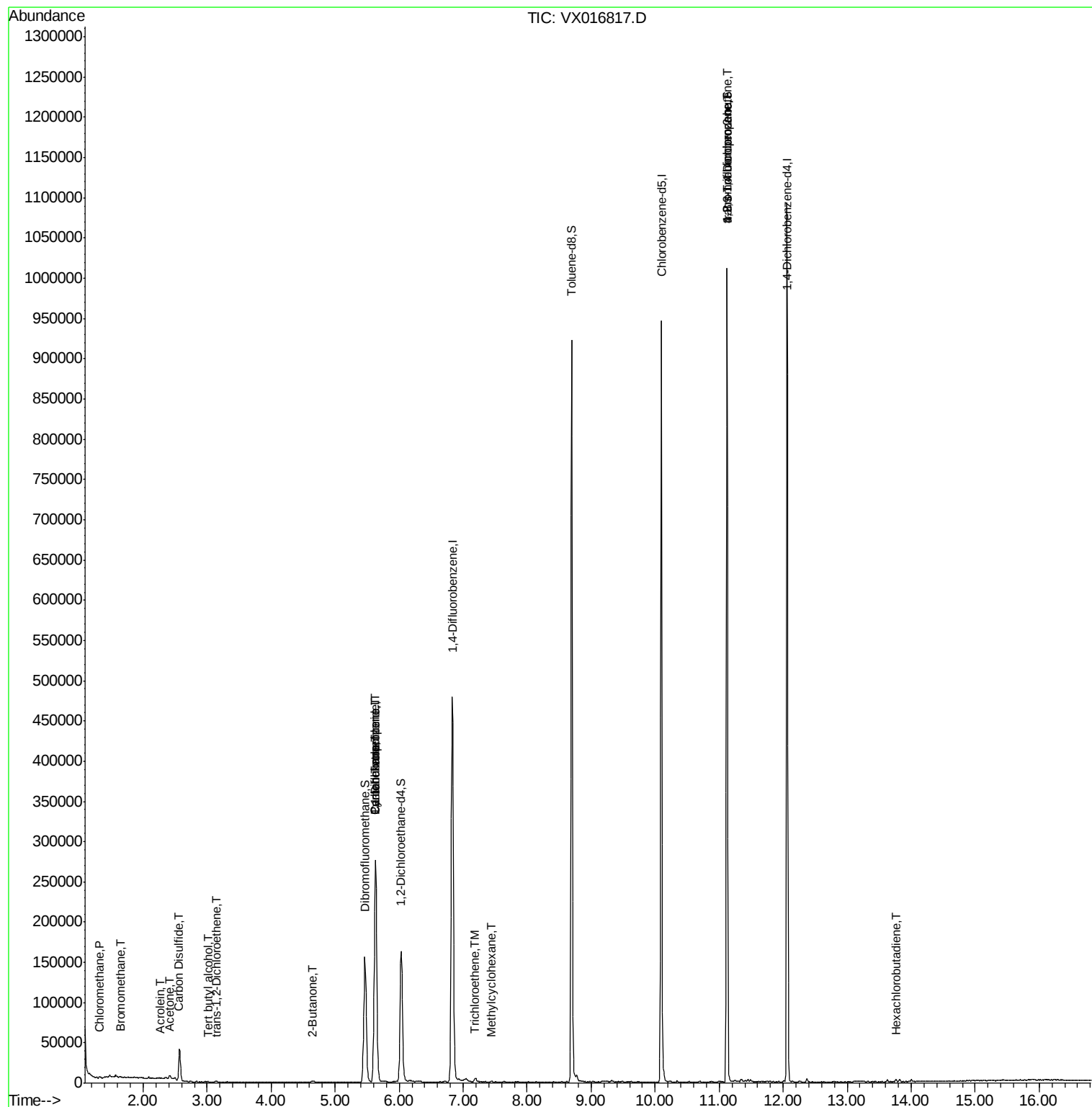
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	650	0.210	ug/l	100
5) Bromomethane	1.64	94	595	0.290	ug/l #	50
11) Tert butyl alcohol	3.01	59	341	0.425	ug/l #	73
13) Acrolein	2.27	56	367	3.371	ug/l #	51
16) Acetone	2.41	43	3858	2.664	ug/l	99
17) Carbon Disulfide	2.56	76	1909	0.240	ug/l #	68
21) trans-1,2-Dichloroethene	3.14	96	655	0.220	ug/l #	34
25) 2-Butanone	4.64	43	722	0.331	ug/l #	44
31) Cyclohexane	5.64	56	4375	1.746	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18231	4.159	ug/l #	50
38) Carbon Tetrachloride	5.64	117	25541	5.131	ug/l #	15
39) Methylcyclohexane	7.45	83	217	0.995	ug/l #	51
44) Trichloroethene	7.18	130	1848	0.448	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	124140	25.026	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	124140	63.002	ug/l #	13
94) Hexachlorobutadiene	13.76	225	545	0.651	ug/l	95

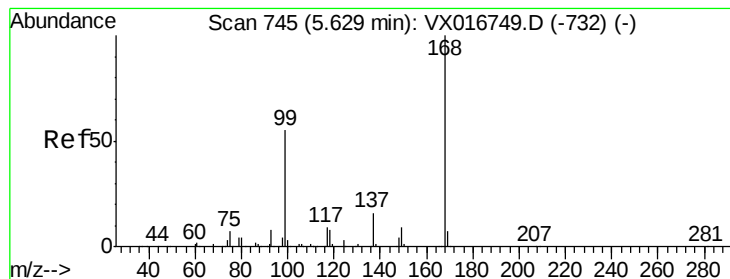
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

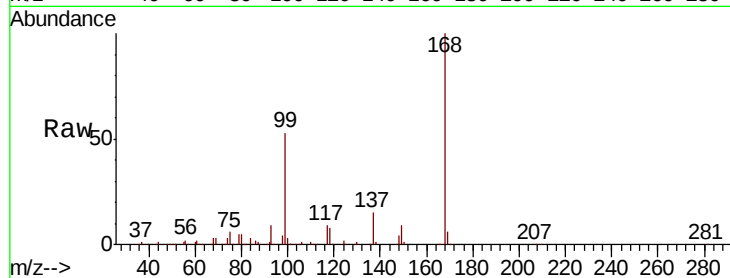
SS043MW039-200610RE

Tot Ion:168 Resp: 283831

Ion Ratio Lower Upper

168 100

99 53.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

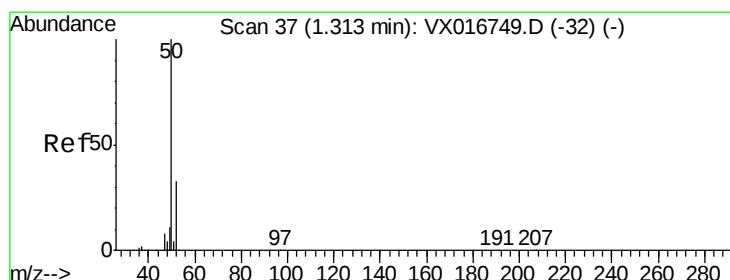
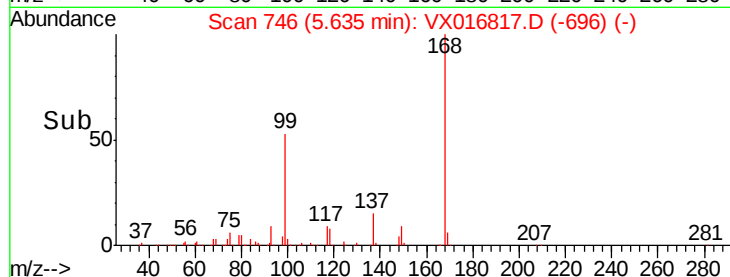
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016817.D

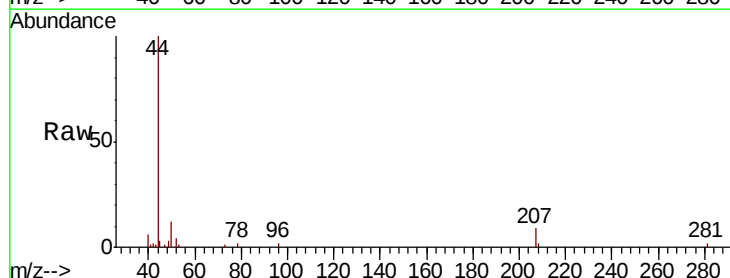
Acq: 17 Jun 2020 15:29

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

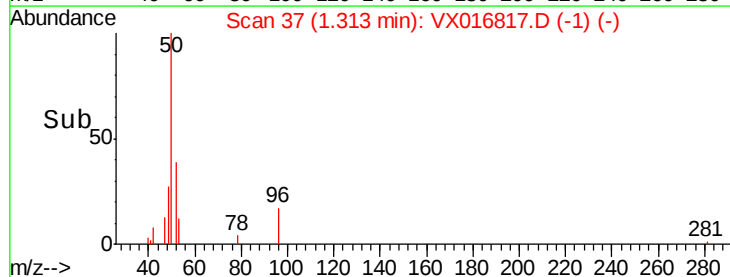
400

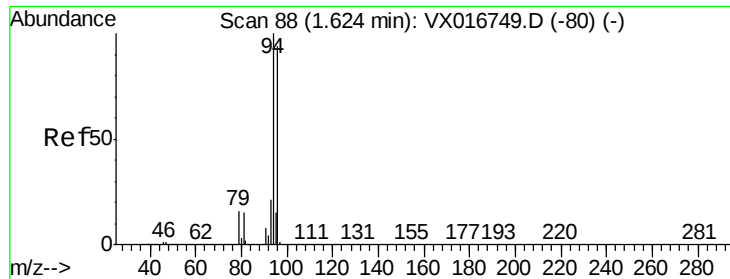
200

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

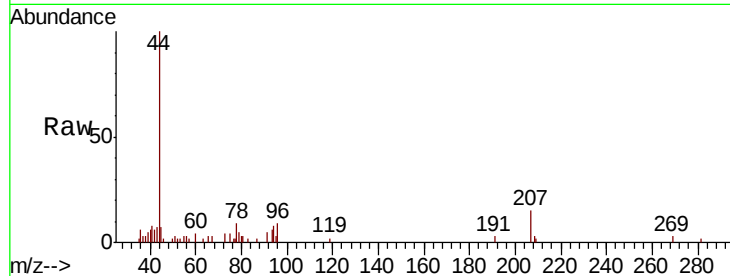
SS043MW039-200610RE

Tot Ion: 94 Resp: 595

Ion Ratio Lower Upper

94 100

96 45.5 75.4 113.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

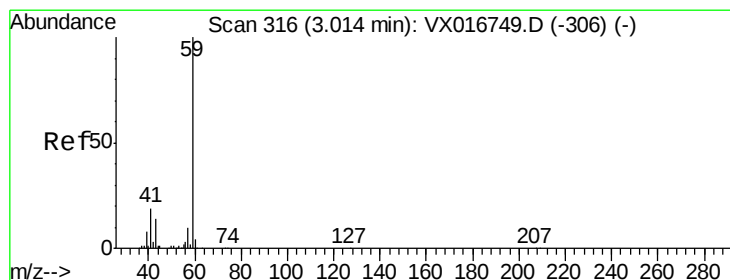
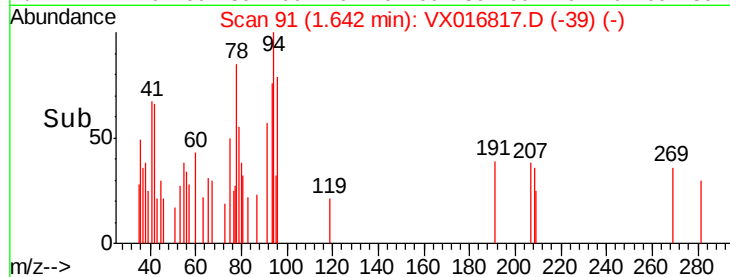
200

100

0

1.60 1.65 1.70

Time-->



#11

Tert butyl alcohol

Concen: 0.425 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016817.D

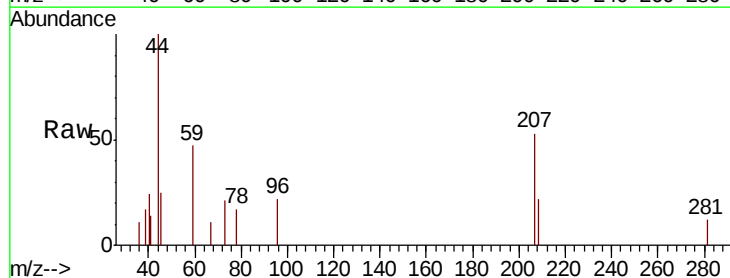
Acq: 17 Jun 2020 15:29

Tgt Ion: 59 Resp: 341

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

250

200

150

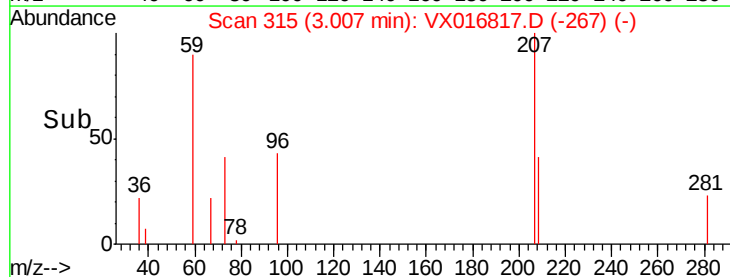
100

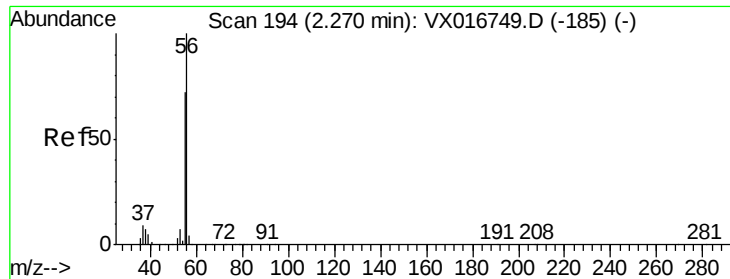
50

0

2.95 3.00 3.05

Time-->





#13

Acrolein

Concen: 3.371 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

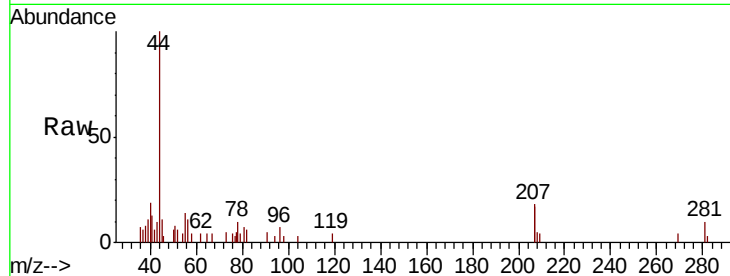
SS043MW039-200610RE

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

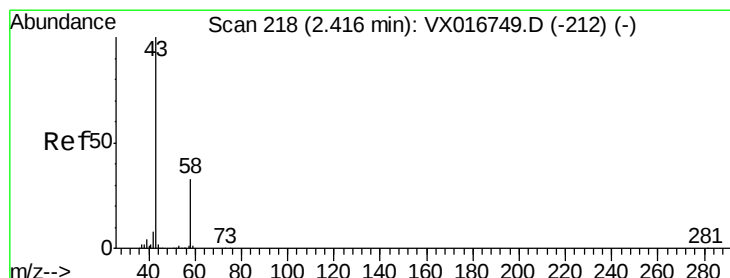
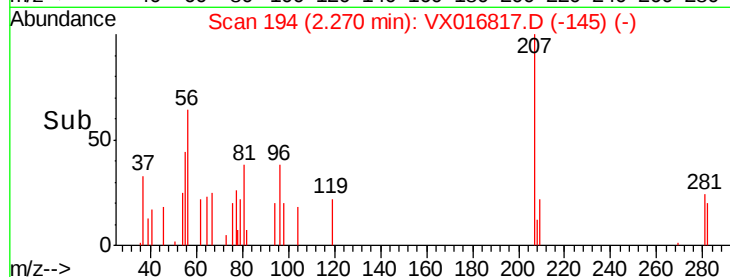
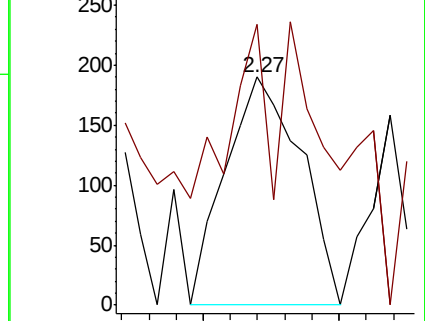
56 100

55 31.3 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.664 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016817.D

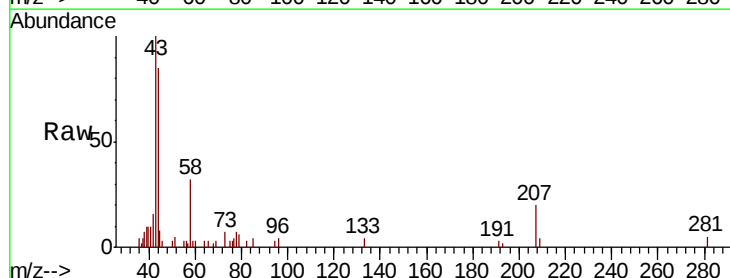
Acq: 17 Jun 2020 15:29

Tgt Ion: 43 Resp: 3858

Ion Ratio Lower Upper

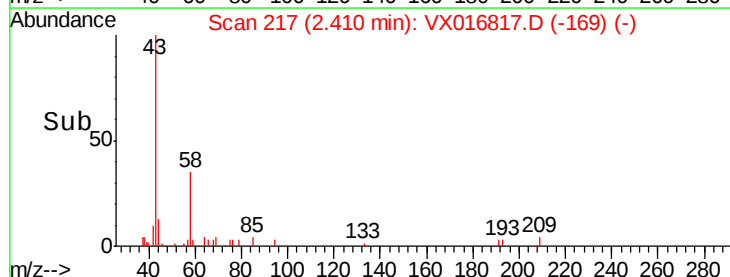
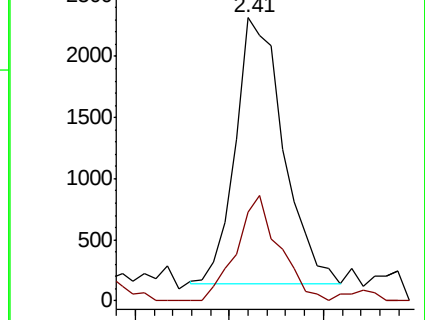
43 100

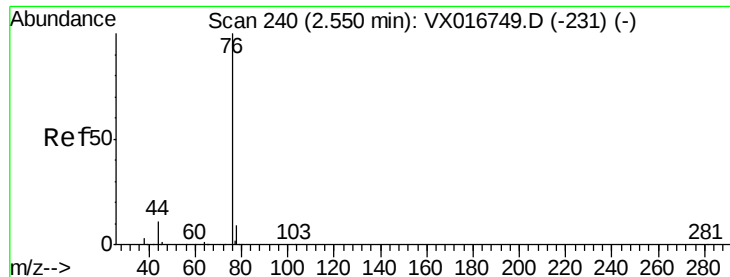
58 33.5 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

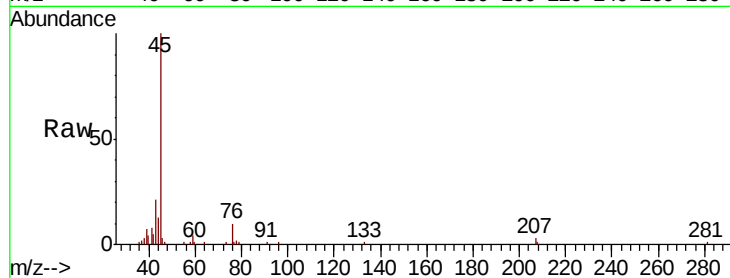
SS043MW039-200610RE

Tot Ion: 76 Resp: 1909

Ion Ratio Lower Upper

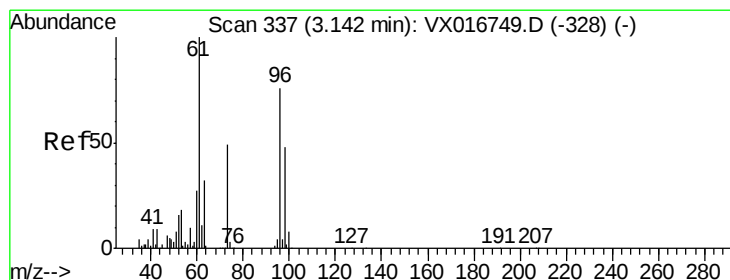
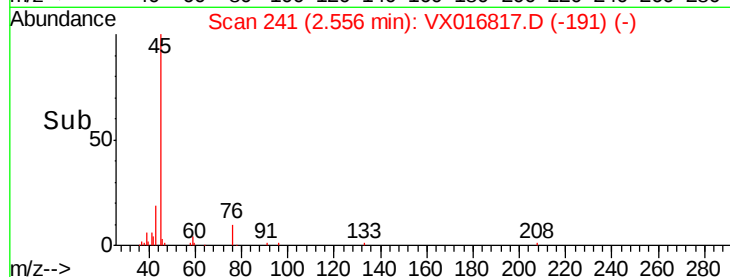
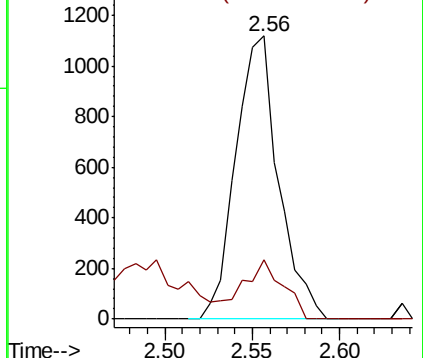
76 100

78 20.8 7.3 10.9#



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: 0.220 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

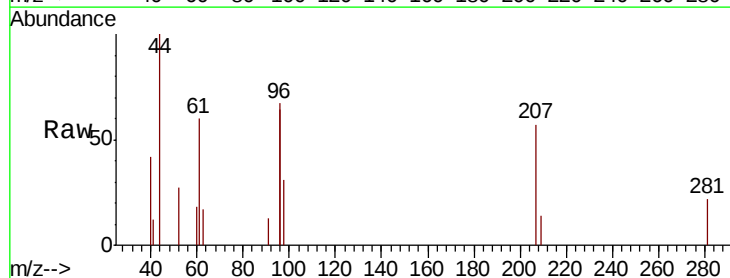
Tgt Ion: 96 Resp: 655

Ion Ratio Lower Upper

96 100

61 46.2 105.4 158.2#

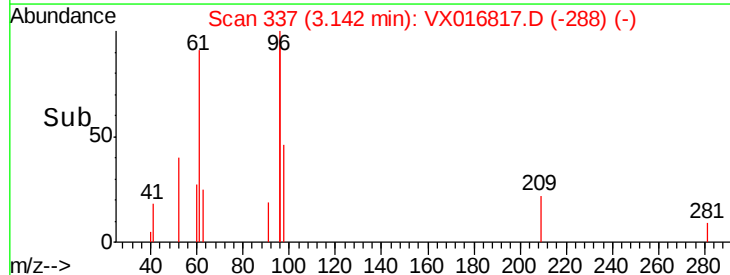
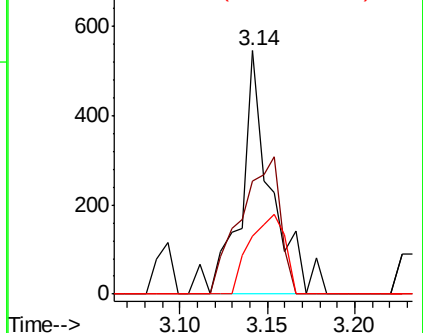
98 23.7 50.8 76.2#

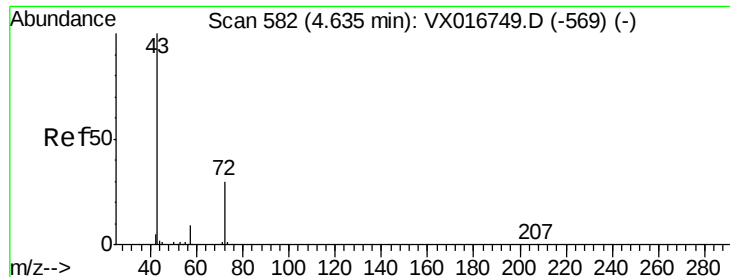


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.331 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

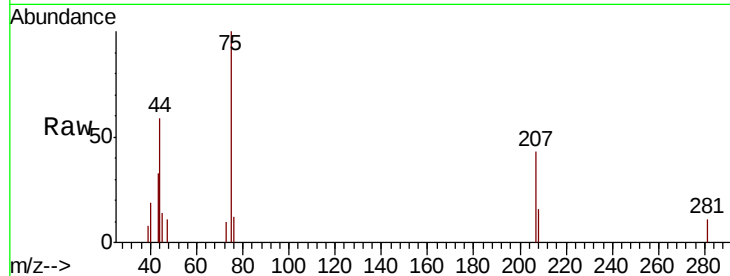
SS043MW039-200610RE

Tot Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

72 0.0 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.64

250

200

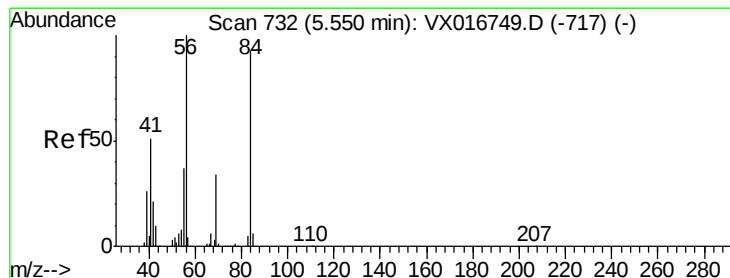
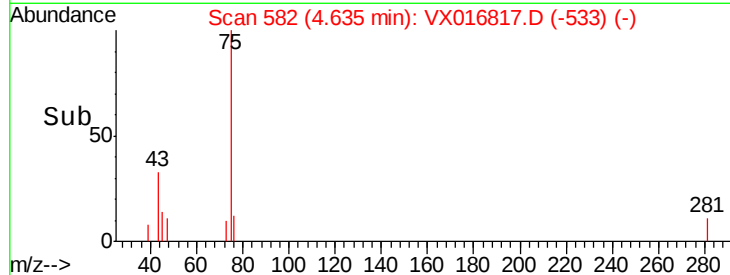
150

100

50

0

Time--> 4.55 4.60 4.65 4.70



#31

Cyclohexane

Concen: 1.746 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

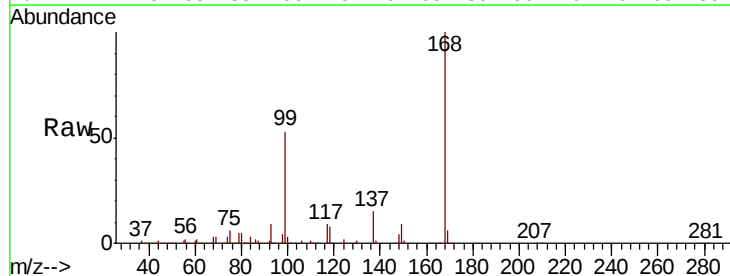
Tgt Ion: 56 Resp: 4375

Ion Ratio Lower Upper

56 100

69 173.2 27.1 40.7#

84 187.3 74.0 111.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

4000

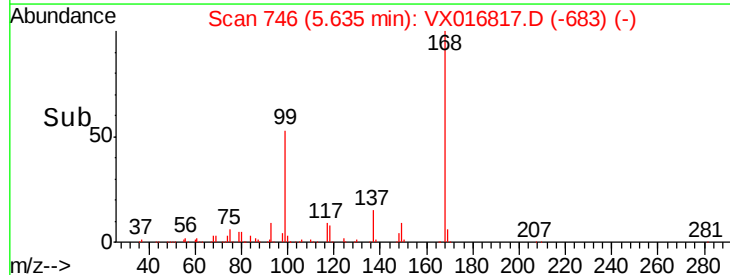
3000

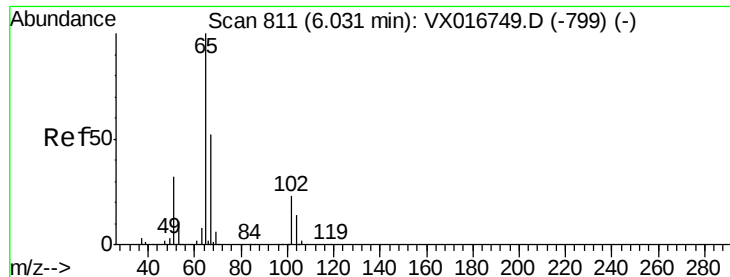
2000

1000

0

Time--> 5.55 5.60 5.65 5.70





#33

1,2-Dichloroethane-d4

Concen: 49.663 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

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MSVOA_X

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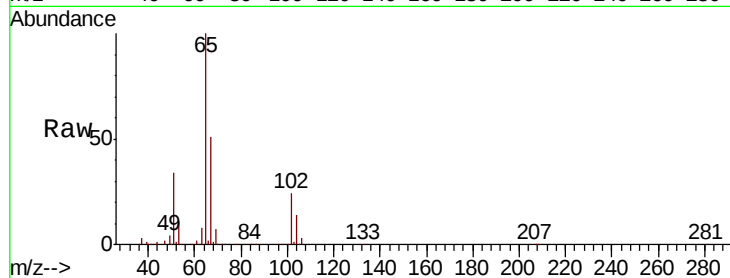
SS043MW039-200610RE

Tot Ion: 65 Resp: 158543

Ion Ratio Lower Upper

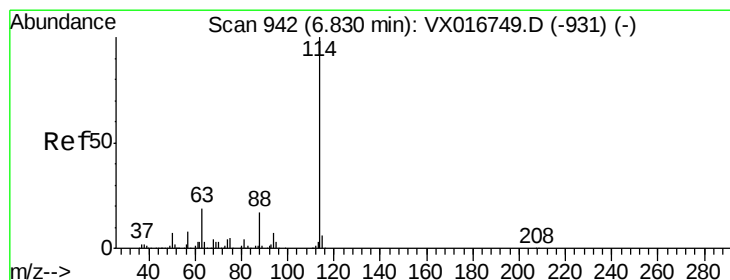
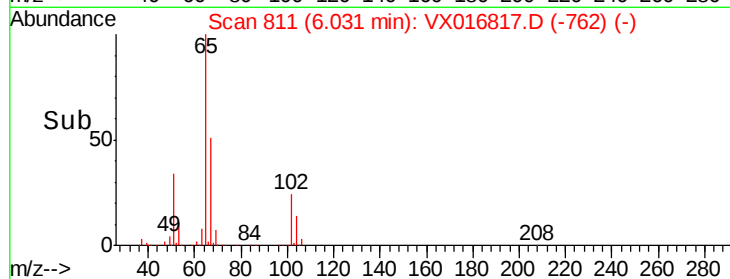
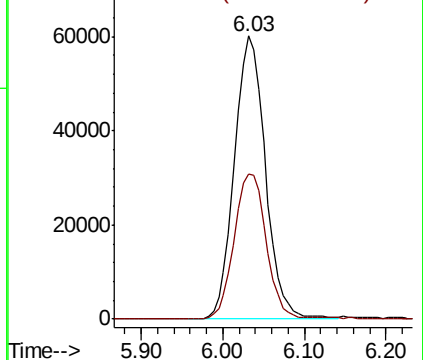
65 100

67 53.0 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

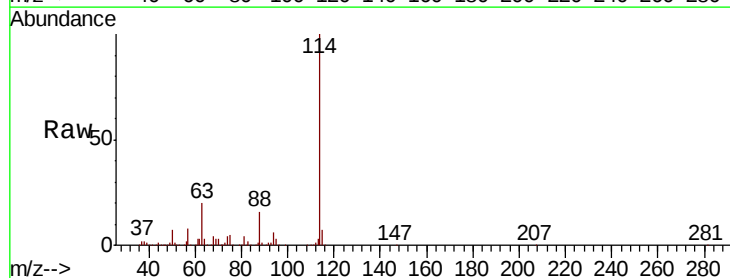
Tgt Ion: 114 Resp: 495976

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

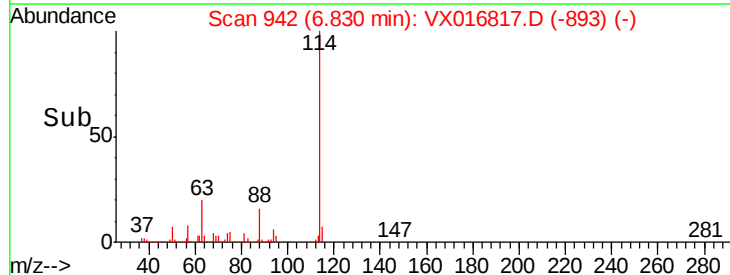
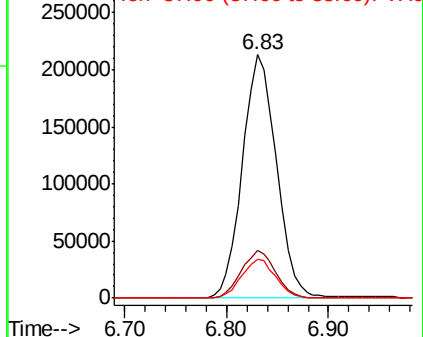
88 16.0 0.0 33.4

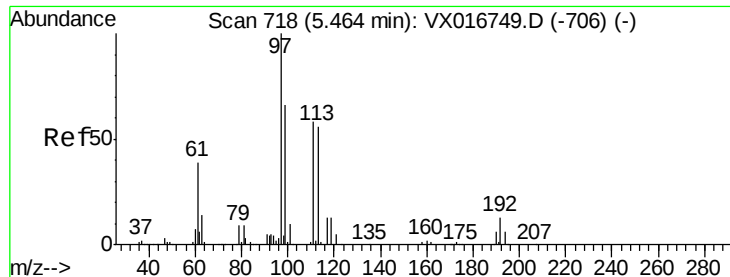


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.109 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

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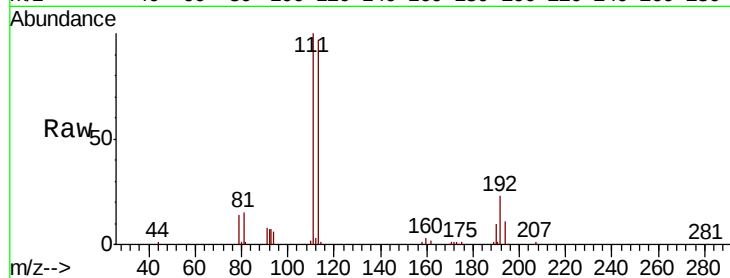
Tot Ion:113 Resp: 134978

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

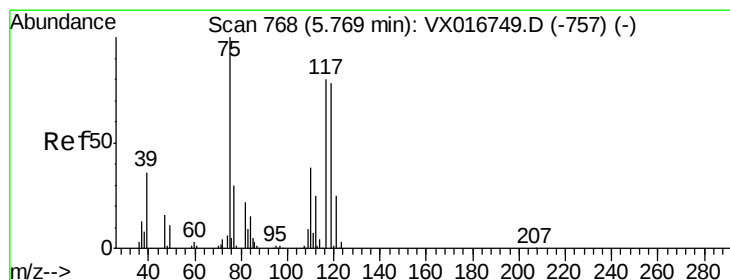
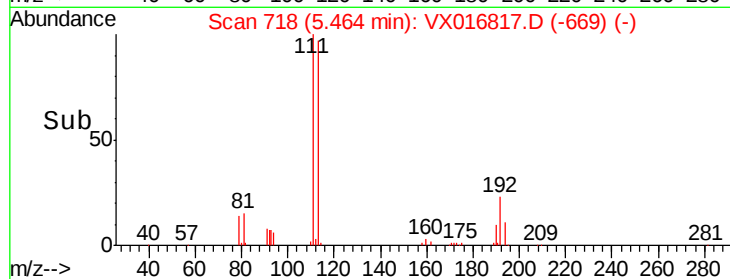
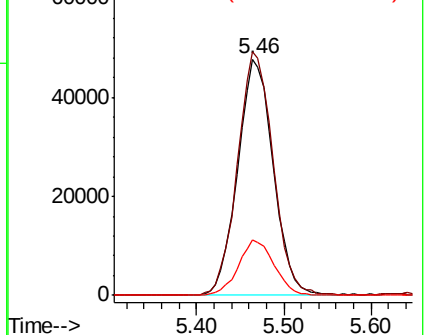
192 23.4 18.2 27.4



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: 4.159 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

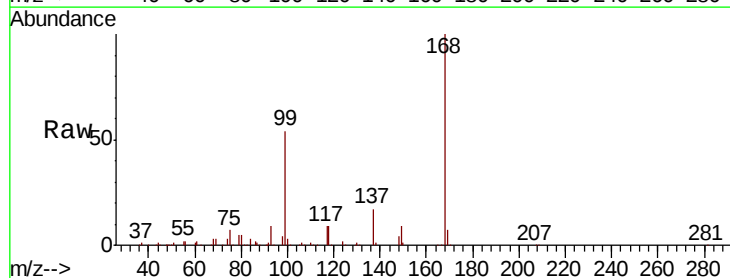
Tgt Ion: 75 Resp: 18231

Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.2#

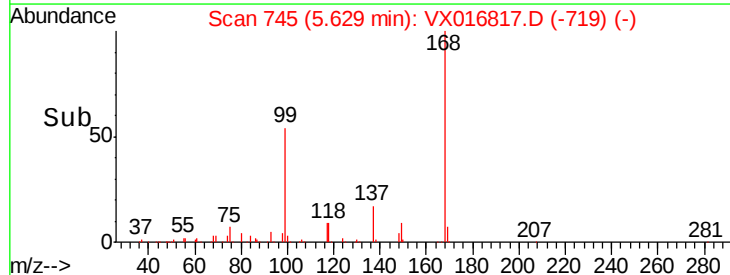
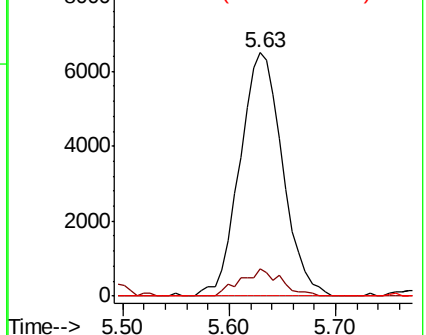
77 0.0 24.7 37.1#

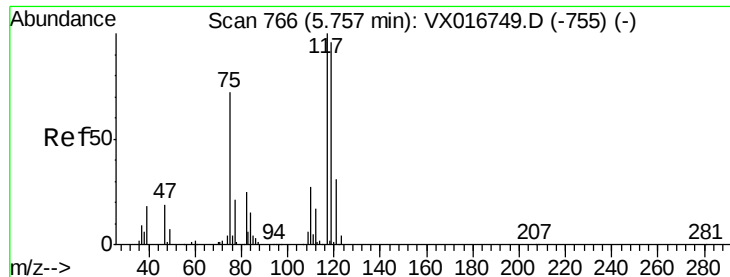


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

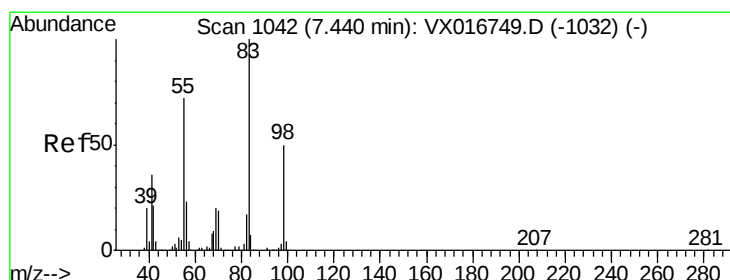
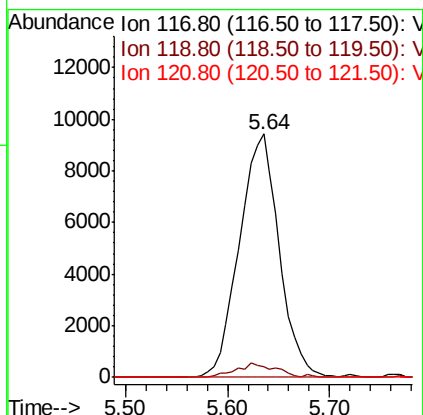
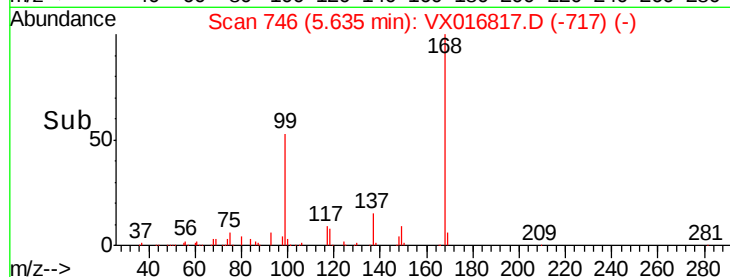
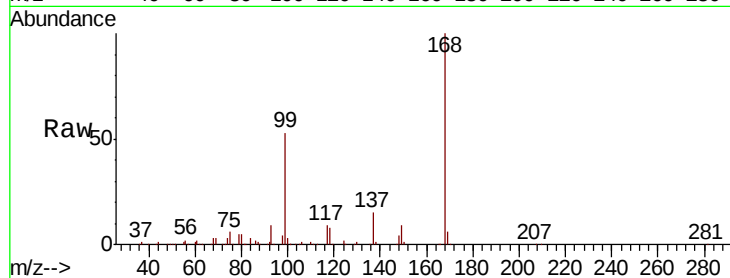




#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016817.D
Acq: 17 Jun 2020 15:29

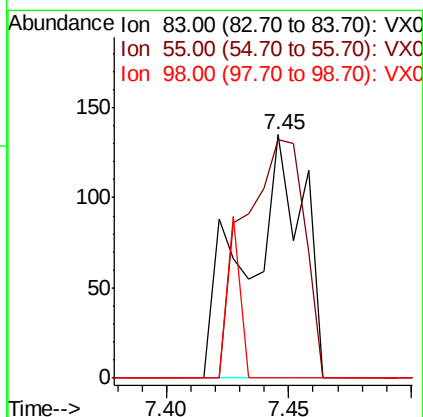
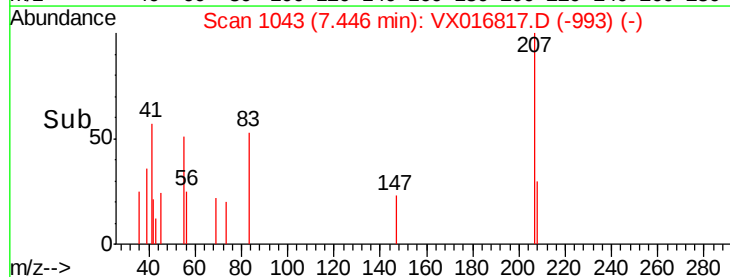
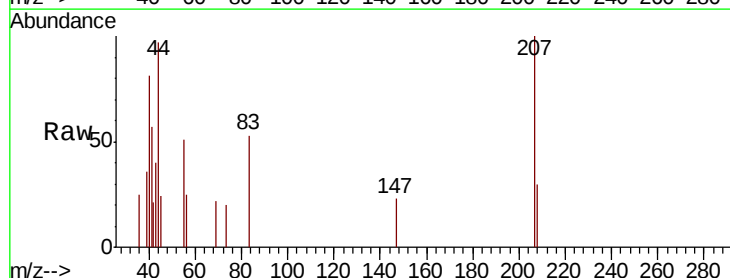
Instrument :
MSVOA_X
ClientSampleId :
SS043MW039-200610RE

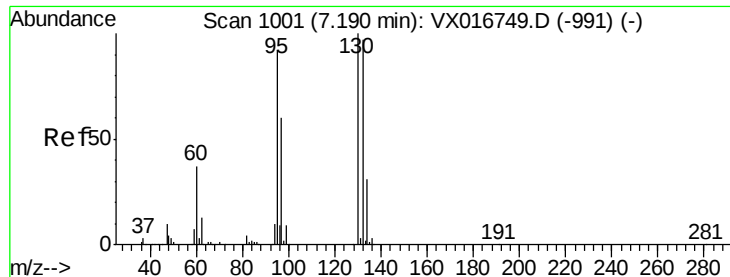
Tot Ion:117 Resp: 25541
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.995 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016817.D
Acq: 17 Jun 2020 15:29

Tgt Ion: 83 Resp: 217
Ion Ratio Lower Upper
83 100
55 97.8 57.3 85.9#
98 0.0 40.3 60.5#





#44

Trichloroethene

Concen: 0.448 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

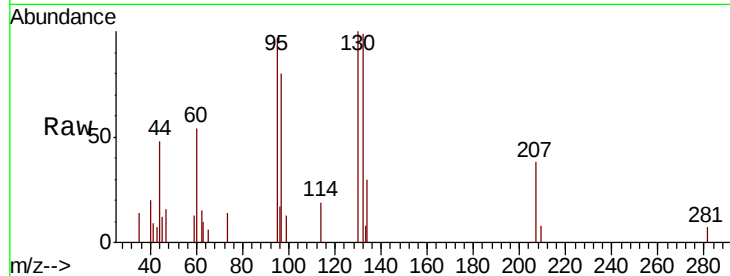
SS043MW039-200610RE

Tot Ion:130 Resp: 1848

Ion Ratio Lower Upper

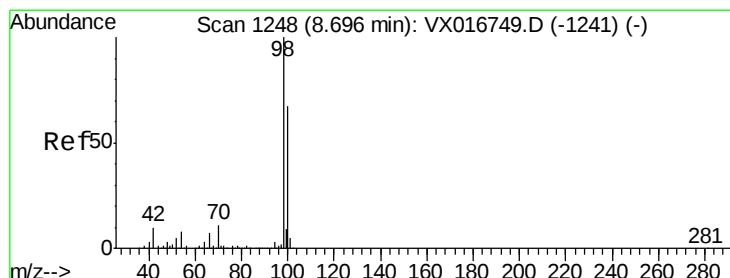
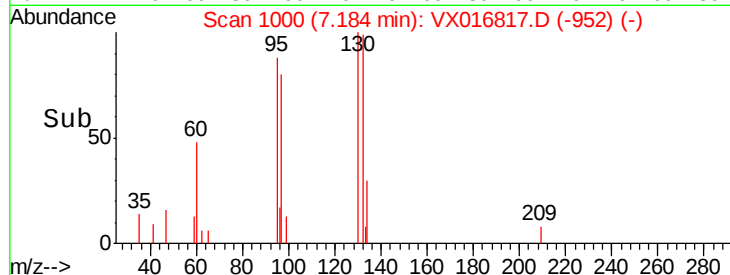
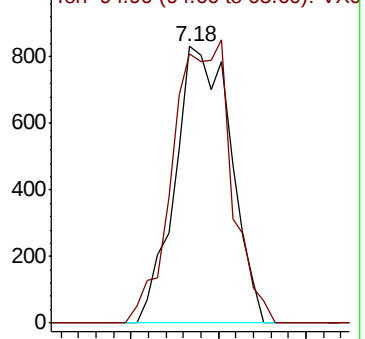
130 100

95 97.1 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.335 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016817.D

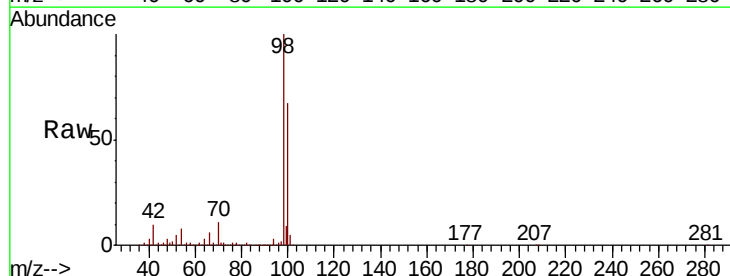
Acq: 17 Jun 2020 15:29

Tgt Ion: 98 Resp: 545376

Ion Ratio Lower Upper

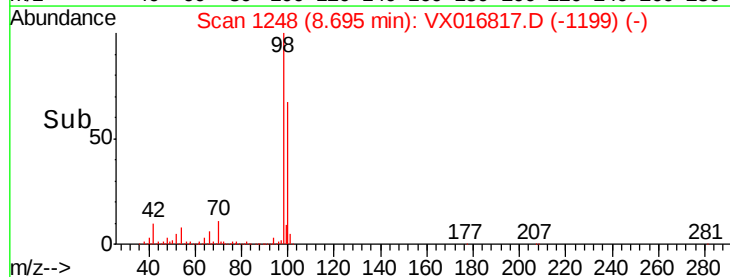
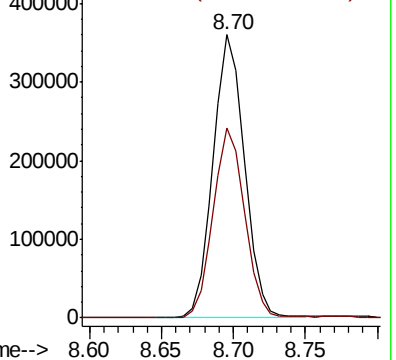
98 100

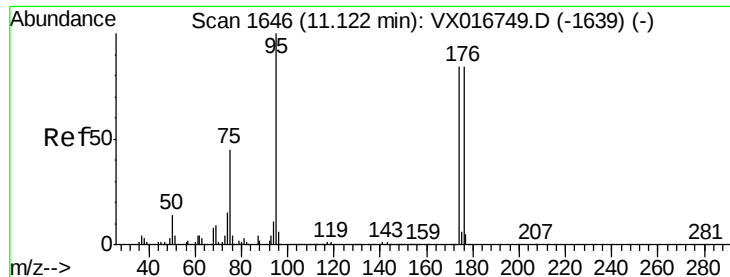
100 67.2 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 61.521 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

SS043MW039-200610RE

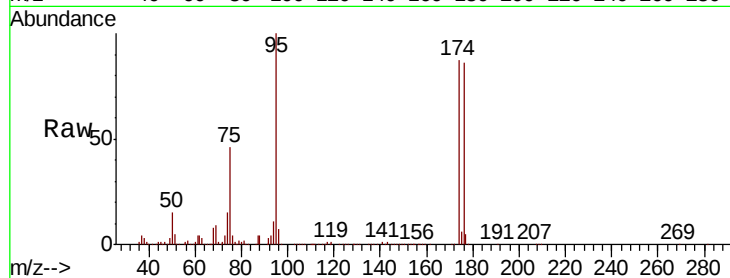
Tot Ion: 95 Resp: 265516

Ion Ratio Lower Upper

95 100

174 85.4 0.0 171.0

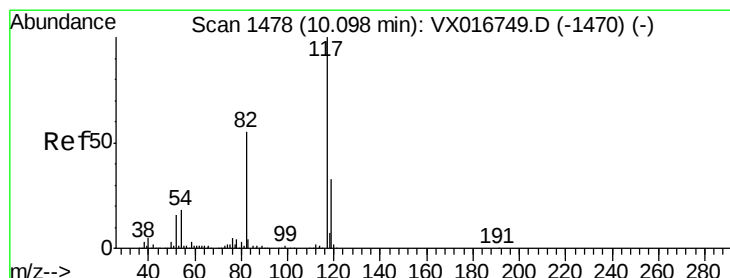
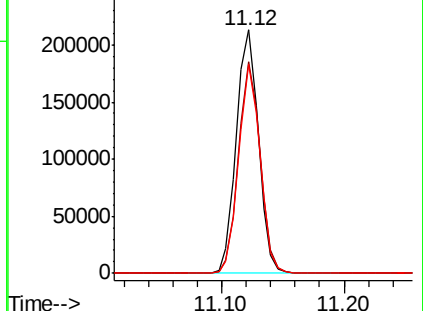
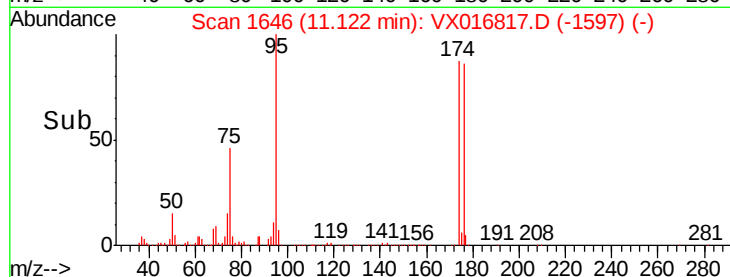
176 83.2 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016817.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016817.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016817.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

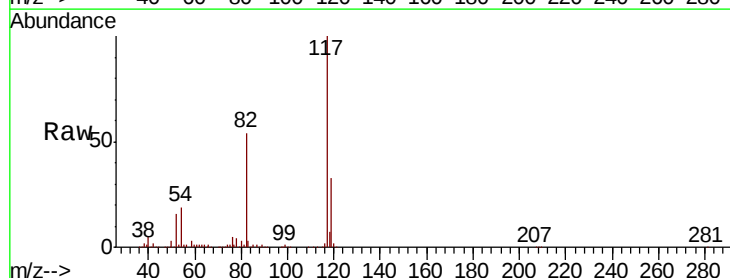
Tgt Ion: 117 Resp: 455444

Ion Ratio Lower Upper

117 100

82 53.8 43.8 65.6

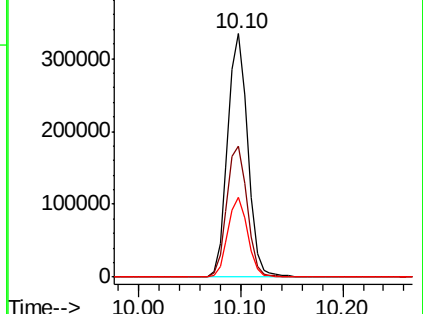
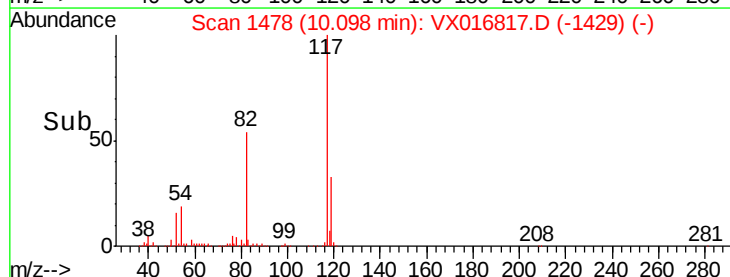
119 33.0 26.2 39.4

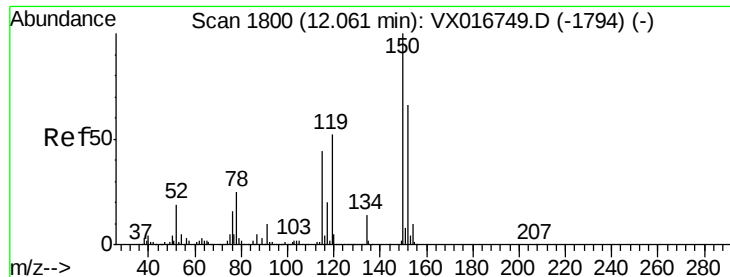


Abundance Ion 116.90 (116.60 to 117.60): VX016817.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016817.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016817.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

SS043MW039-200610RE

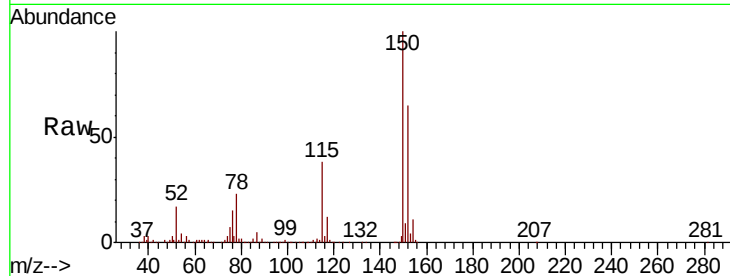
Tot Ion:152 Resp: 235882

Ion Ratio Lower Upper

152 100

115 57.2 40.3 120.8

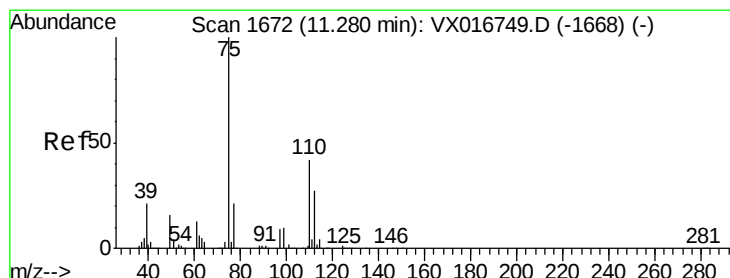
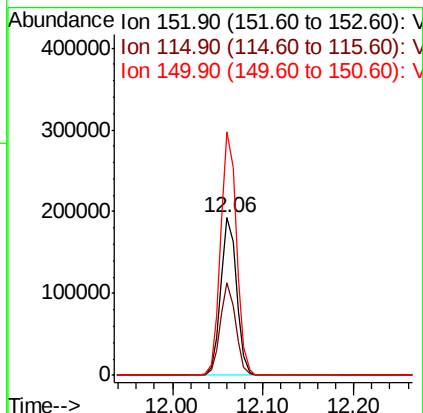
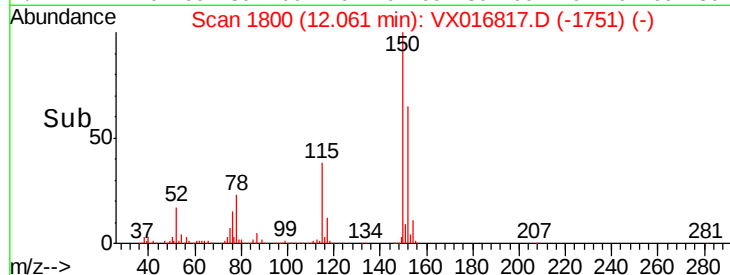
150 155.0 0.0 337.4



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: 25.026 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016817.D

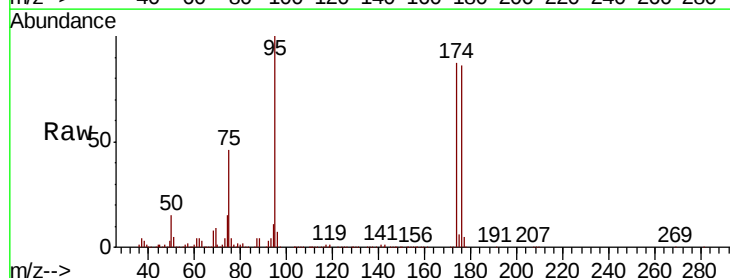
Acq: 17 Jun 2020 15:29

Tgt Ion: 75 Resp: 124140

Ion Ratio Lower Upper

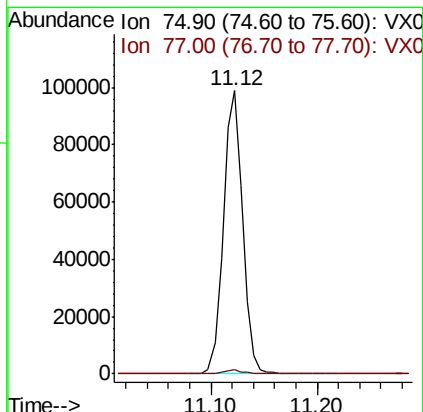
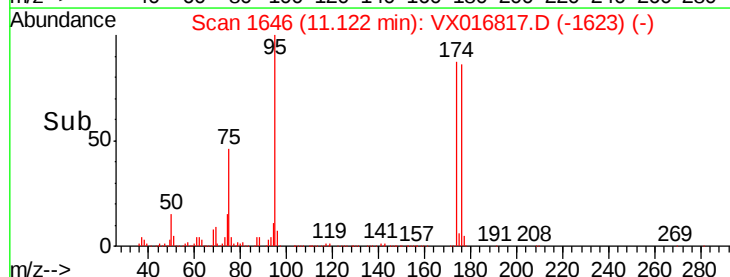
75 100

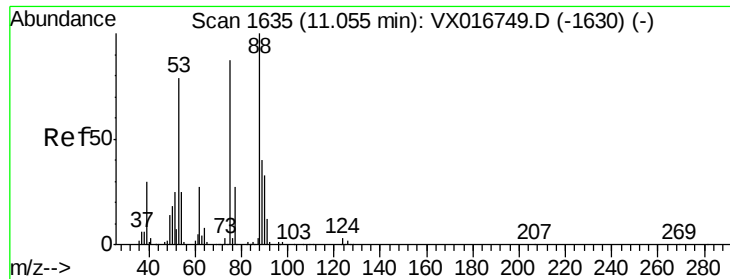
77 1.3 20.3 60.9#



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: 63.002 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

Instrument :

MSVOA_X

ClientSampleId :

SS043MW039-200610RE

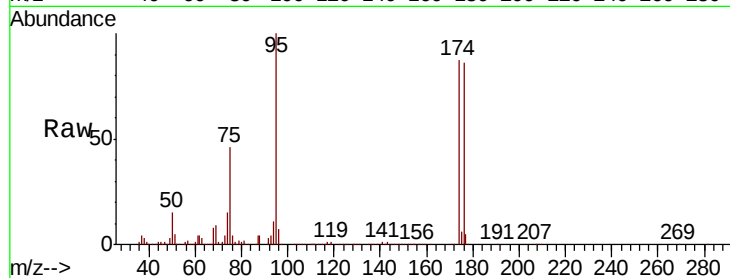
Tot Ion: 75 Resp: 124140

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

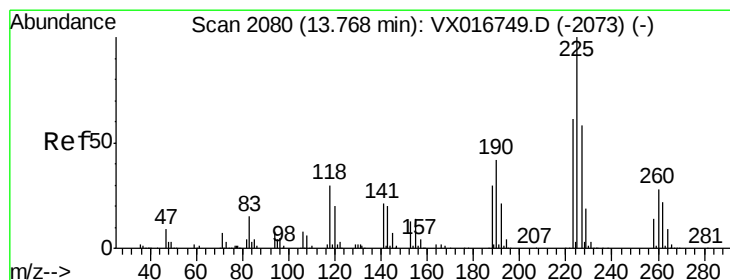
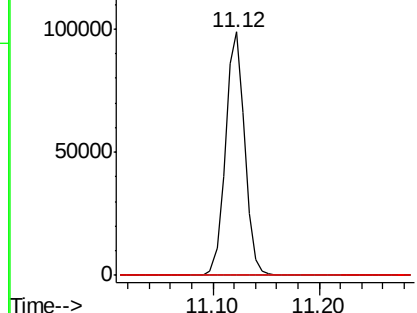
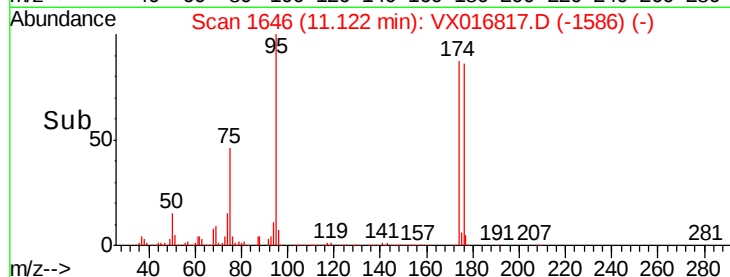
89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.651 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016817.D

Acq: 17 Jun 2020 15:29

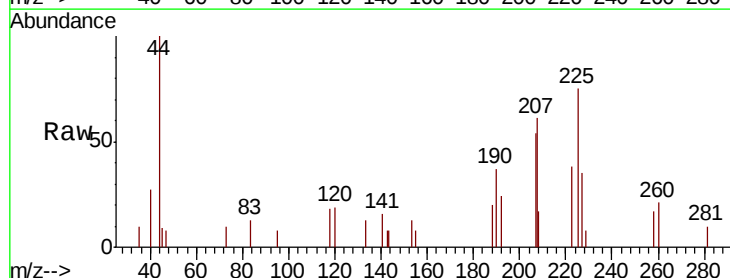
Tgt Ion: 225 Resp: 545

Ion Ratio Lower Upper

225 100

223 64.2 31.1 93.5

227 56.5 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

