

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016785.D
 Acq On : 16 Jun 2020 17:23
 Operator : JC/SP
 Sample : L3004-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-DUP-0570-200611

Quant Time: Jun 17 03:57:47 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	5.63	168	223171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	352012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187650	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	129457	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	5.46	113	108506	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.70	98	434742	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	11.12	95	176568	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	

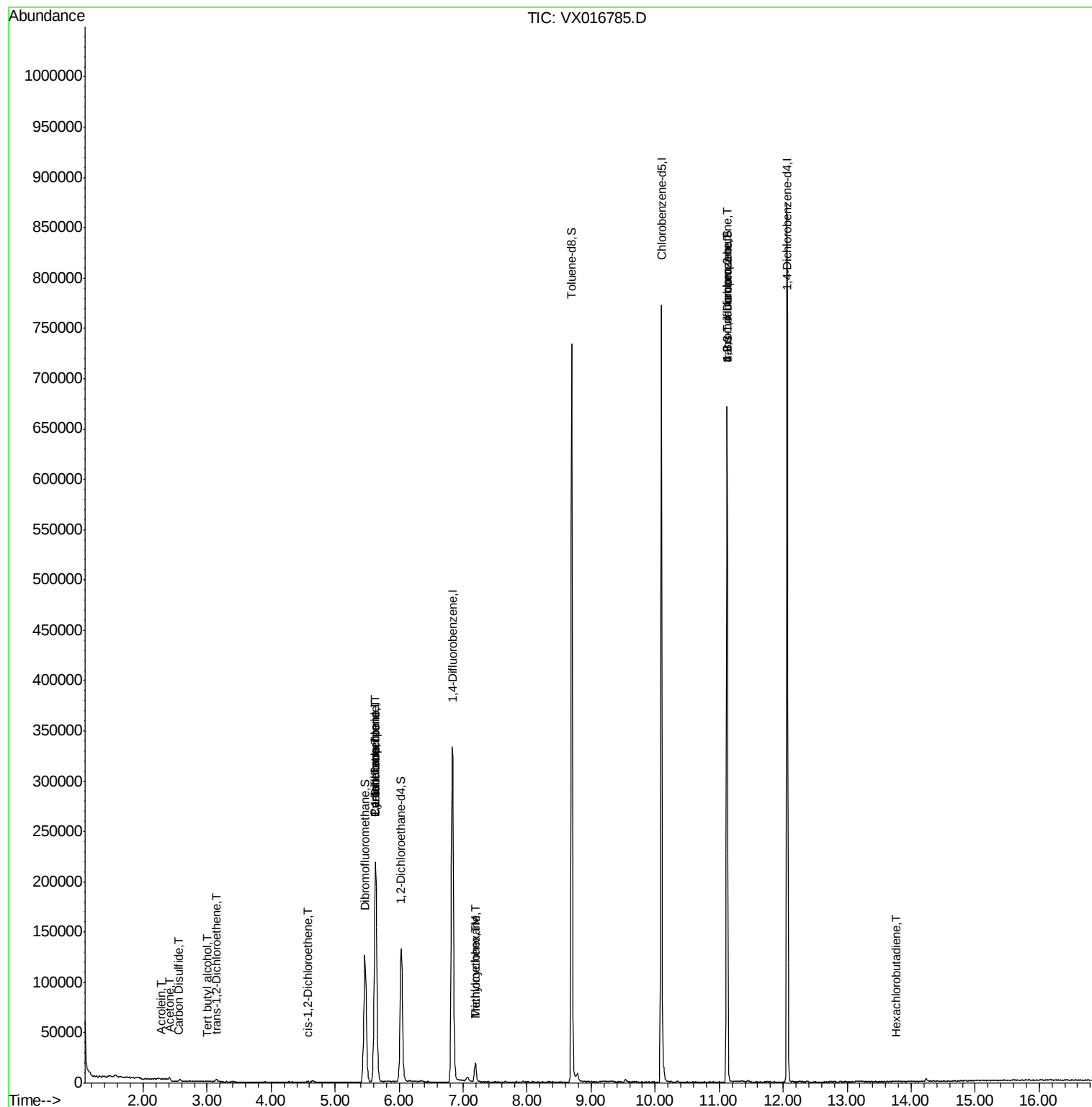
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	179	0.284	ug/l #	73
13) Acrolein	2.27	56	165	2.915	ug/l #	1
16) Acetone	2.42	43	1585	1.392	ug/l	93
17) Carbon Disulfide	2.56	76	1840	0.295	ug/l #	78
21) trans-1,2-Dichloroethene	3.15	96	1350	0.576	ug/l	88
27) cis-1,2-Dichloroethene	4.56	96	603	0.225	ug/l	58
31) Cyclohexane	5.63	56	3907	1.889	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	14906	4.792	ug/l #	50
38) Carbon Tetrachloride	5.63	117	20845	5.900	ug/l #	16
39) Methylcyclohexane	7.19	83	25	0.960	ug/l #	1
44) Trichloroethene	7.19	130	7438	2.539	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	85140	21.575	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	85140	54.315	ug/l #	13
94) Hexachlorobutadiene	13.77	225	40	0.435	ug/l #	19

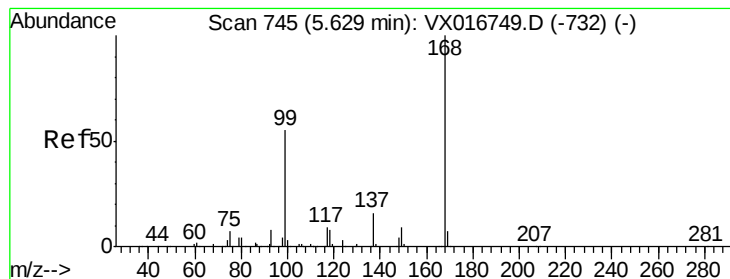
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 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: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

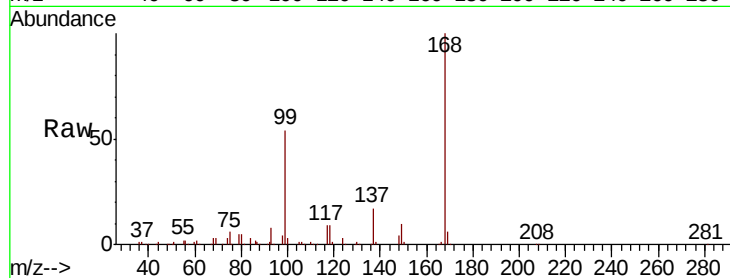
Z1-DUP-0570-200611

Tot Ion:168 Resp: 223171

Ion Ratio Lower Upper

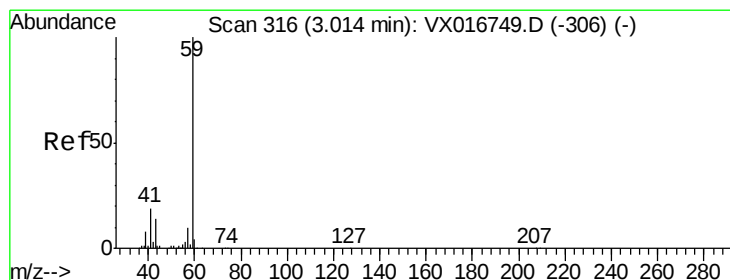
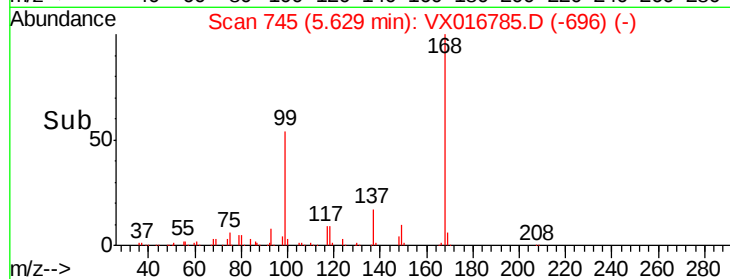
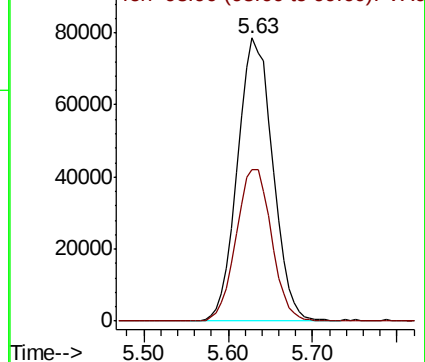
168 100

99 53.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.284 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016785.D

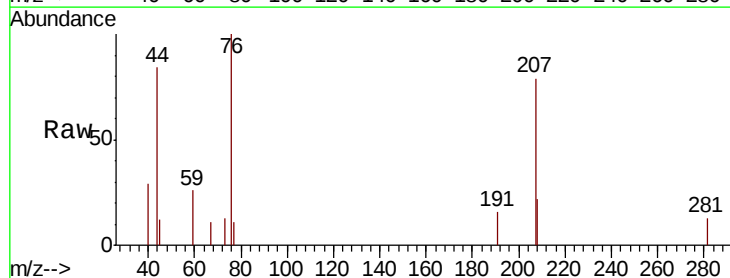
Acq: 16 Jun 2020 17:23

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

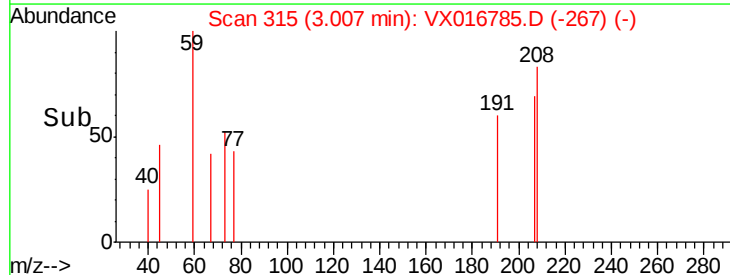
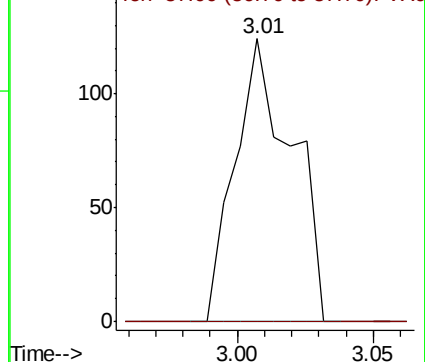
59 100

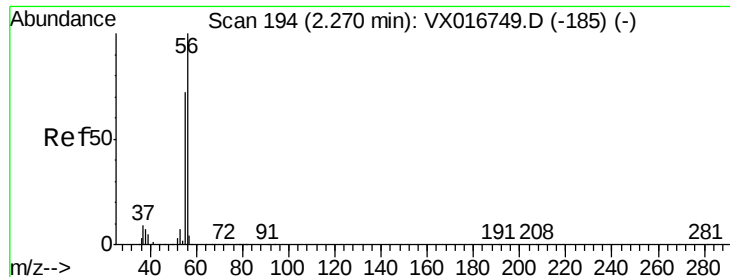
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

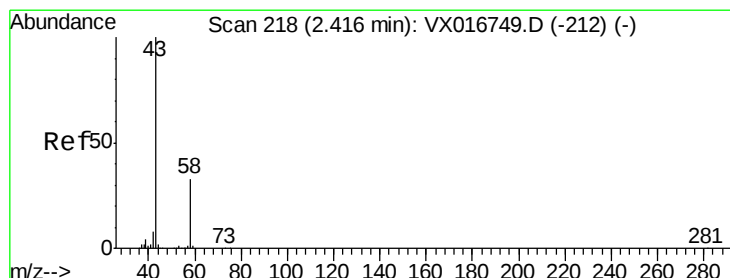
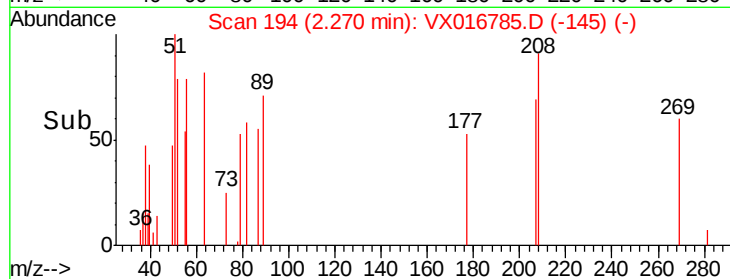
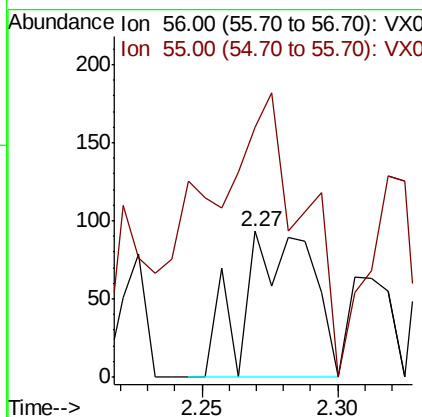
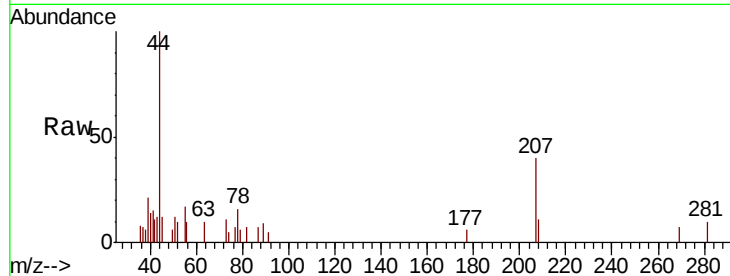




#13
Acrolein
Concen: 2.915 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

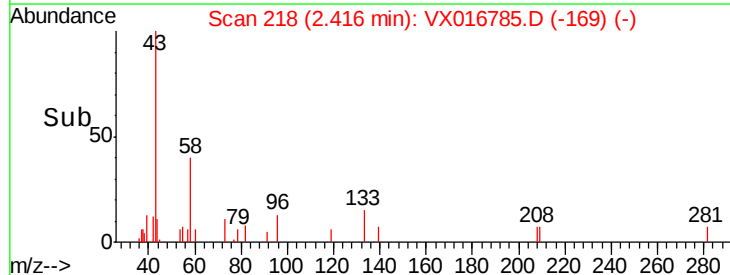
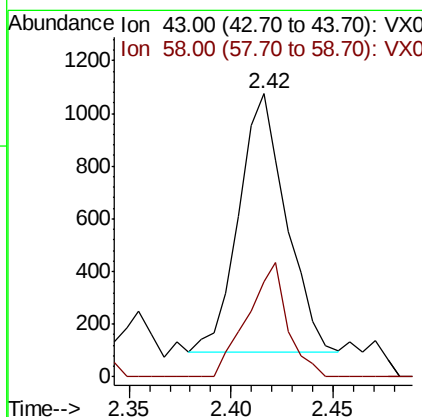
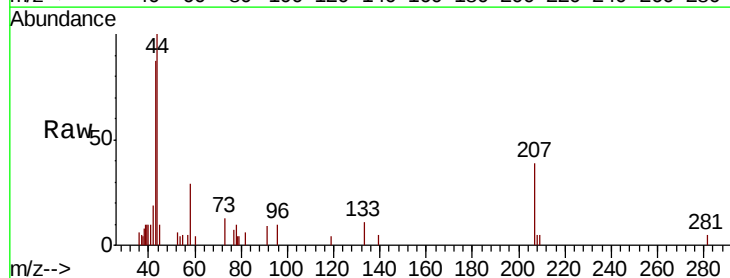
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0570-200611

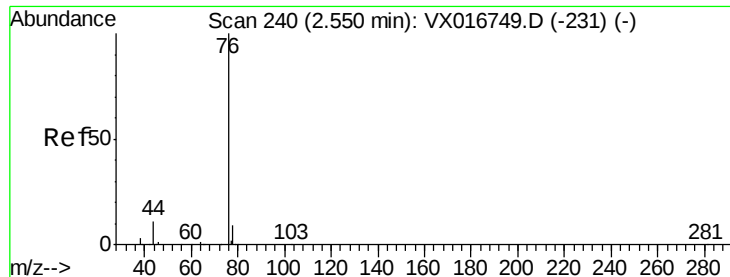
Tot Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 269.1 58.2 87.4#



#16
Acetone
Concen: 1.392 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
58 37.0 26.3 39.5

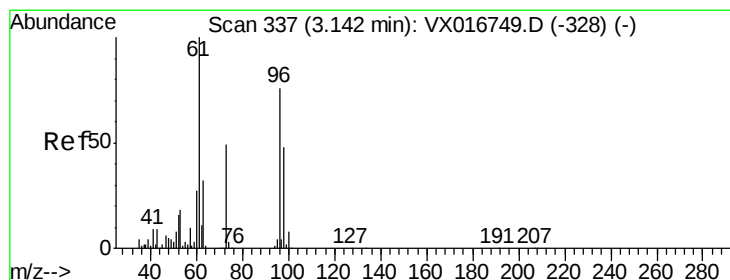
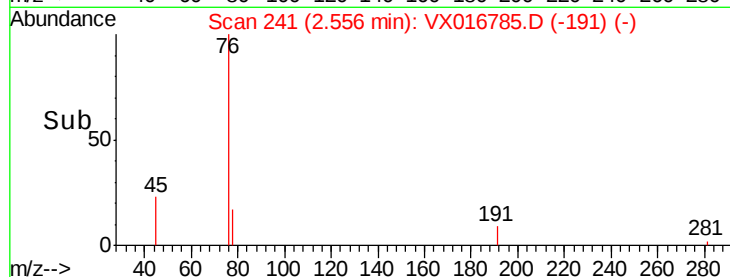
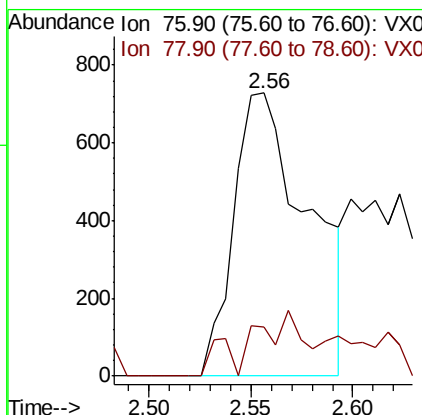
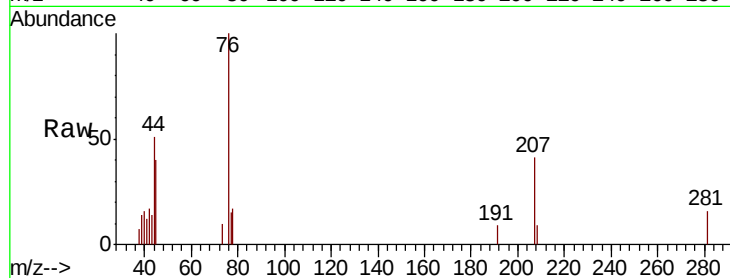




#17
Carbon Disulfide
Concen: 0.295 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

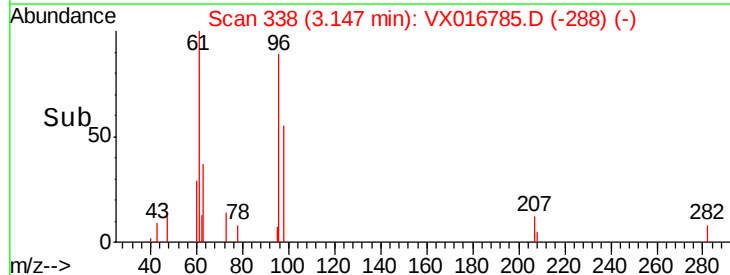
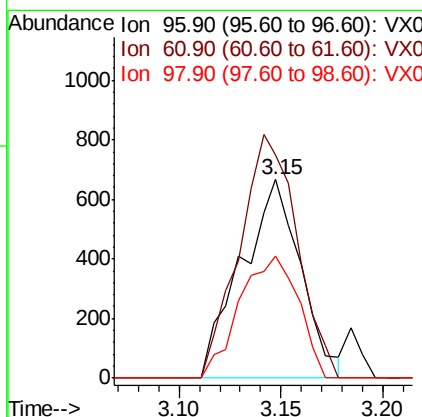
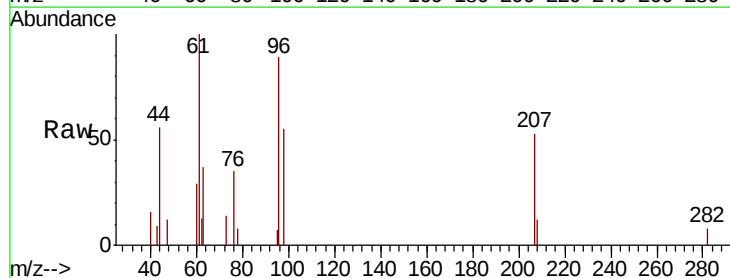
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0570-200611

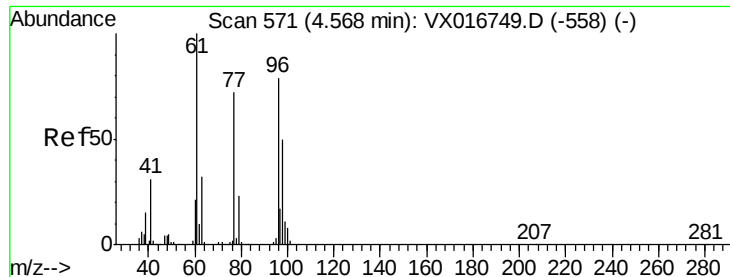
Tot Ion: 76 Resp: 1840
Ion Ratio Lower Upper
76 100
78 17.2 7.3 10.9#



#21
trans-1,2-Dichloroethene
Concen: 0.576 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

Tgt Ion: 96 Resp: 1350
Ion Ratio Lower Upper
96 100
61 112.3 105.4 158.2
98 61.5 50.8 76.2



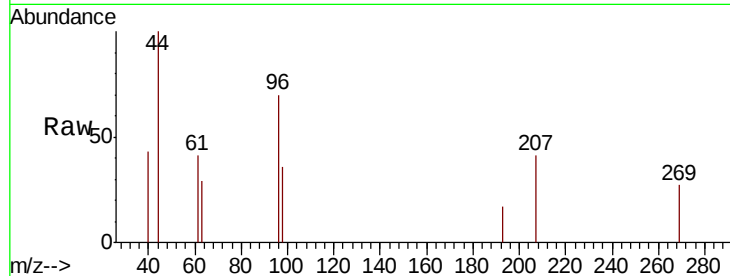


#27

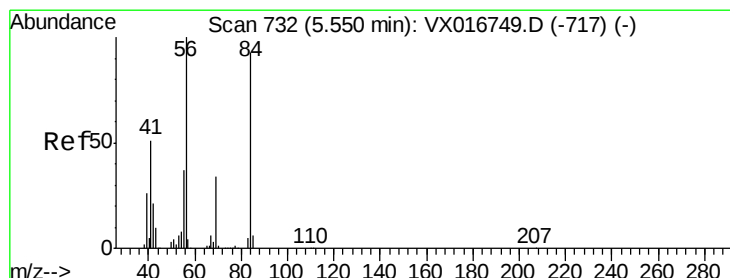
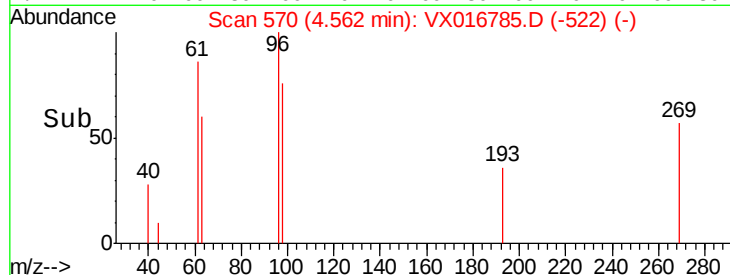
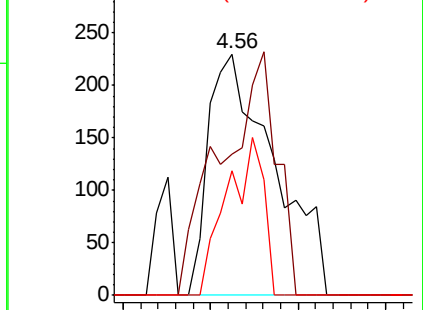
cis-1,2-Dichloroethene
Concen: 0.225 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0570-200611

Tot Ion	Ratio	Lower	Upper
96	100		
61	84.6	0.0	276.2
98	36.3	0.0	130.0



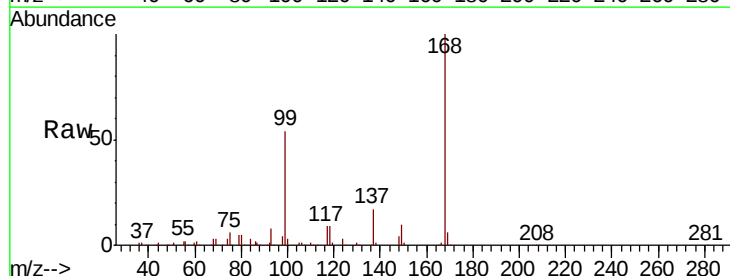
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



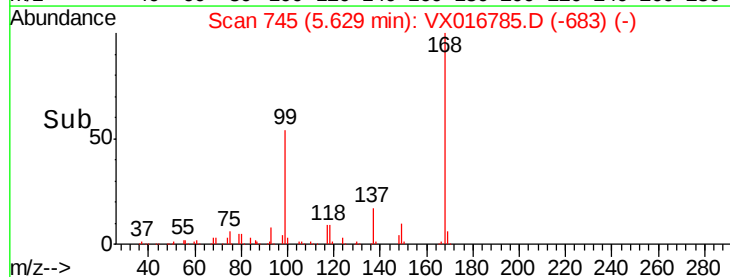
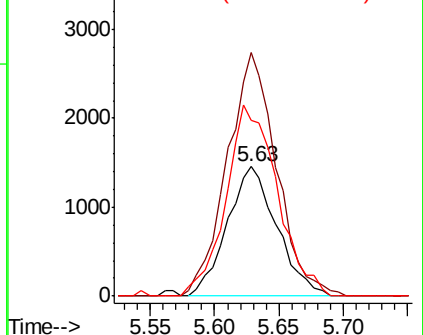
#31

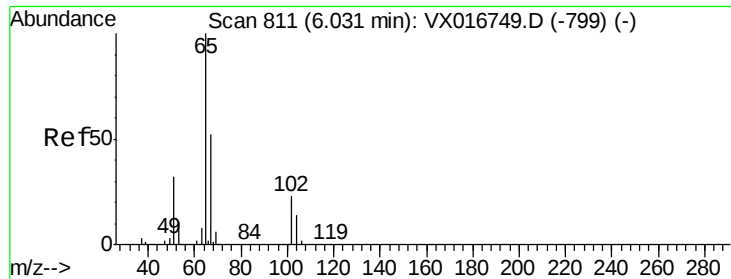
Cyclohexane
Concen: 1.889 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016785.D
Acq: 16 Jun 2020 17:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	185.1	27.1	40.7#
84	135.9	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





#33

1,2-Dichloroethane-d4

Concen: 51.572 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

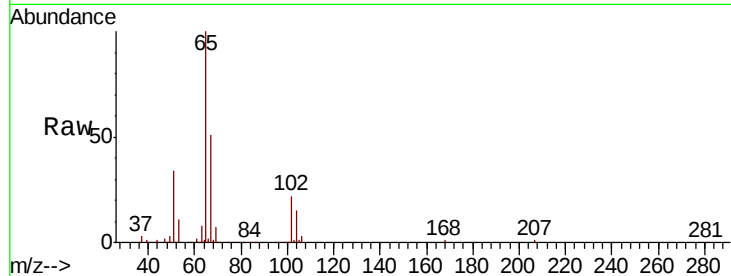
Z1-DUP-0570-200611

Tot Ion: 65 Resp: 129457

Ion Ratio Lower Upper

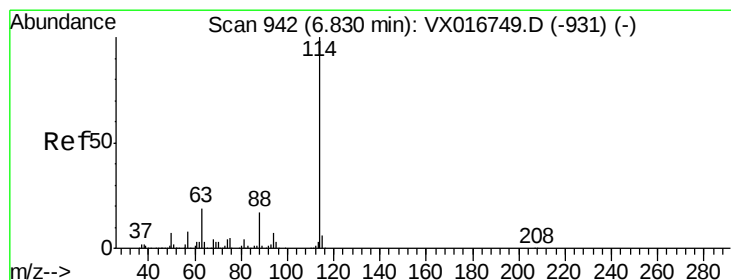
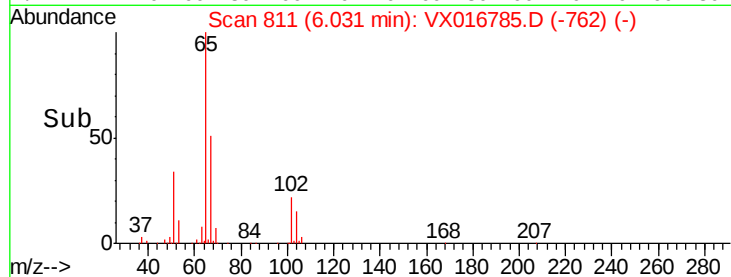
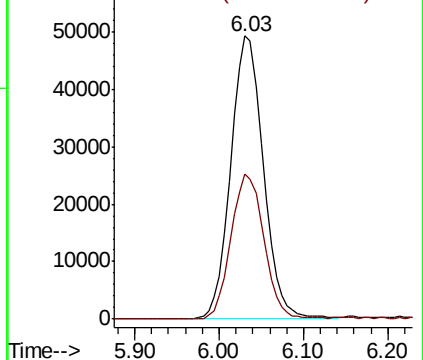
65 100

67 51.5 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: VX016785.D

Acq: 16 Jun 2020 17:23

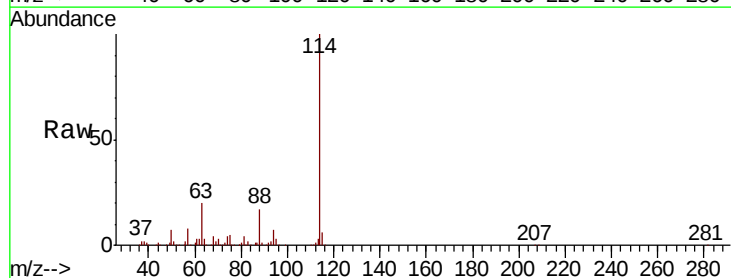
Tgt Ion: 114 Resp: 352012

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

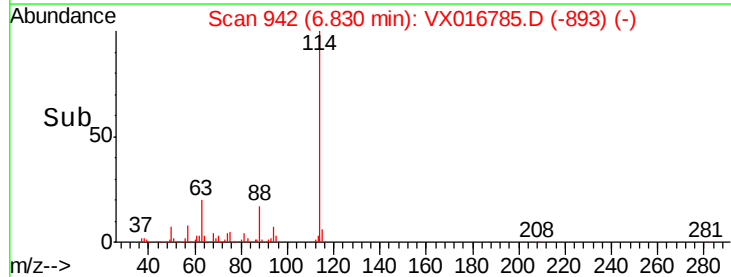
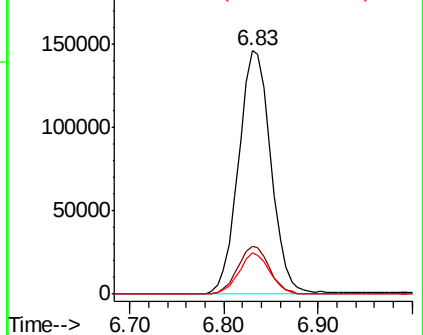
88 17.0 0.0 33.4

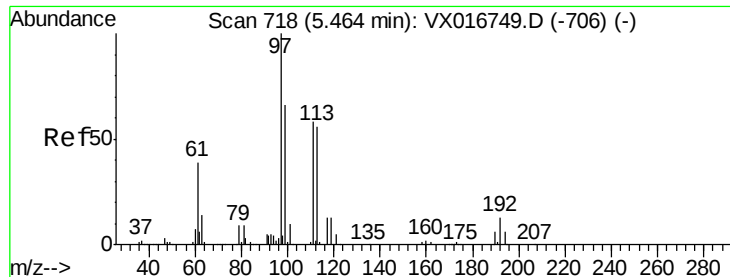


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

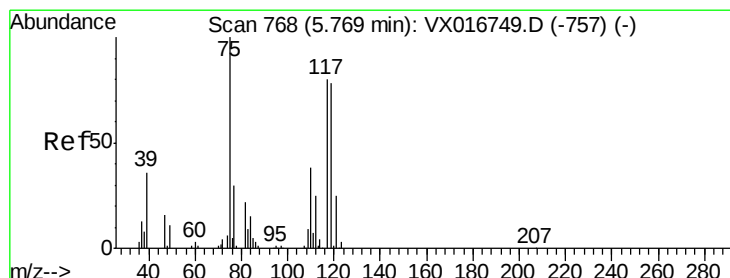
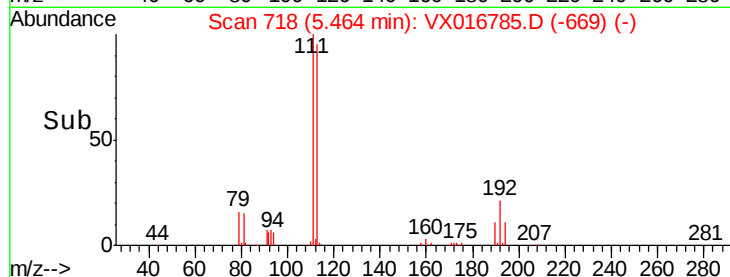
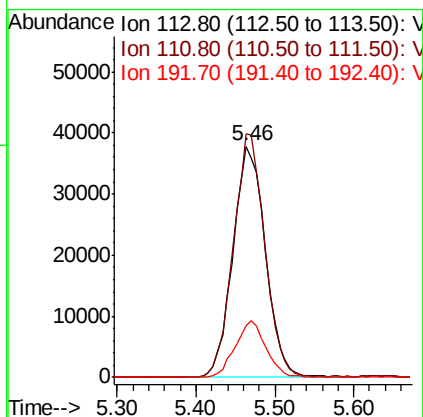
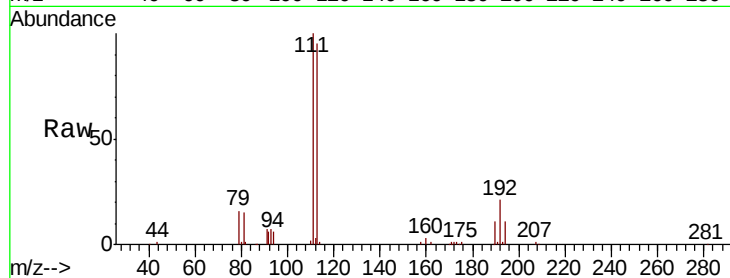




#35
 Dibromofluoromethane
 Concen: 49.960 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016785.D
 Acq: 16 Jun 2020 17:23

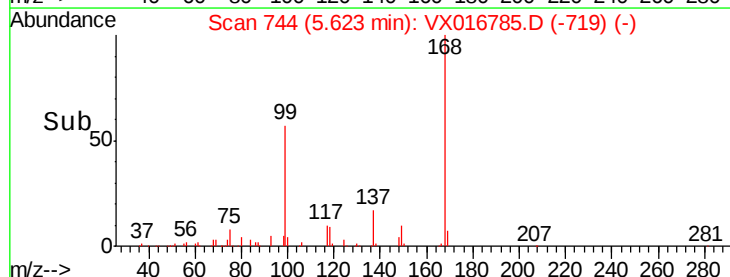
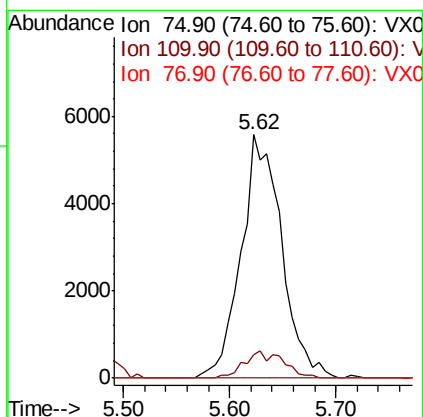
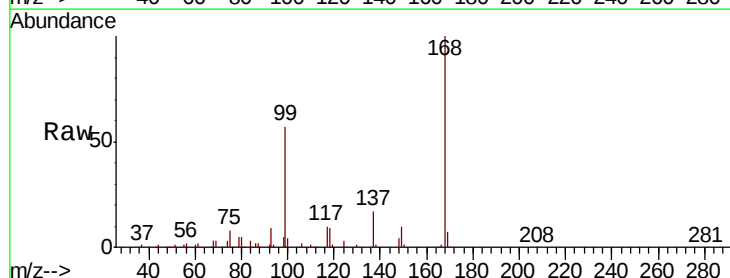
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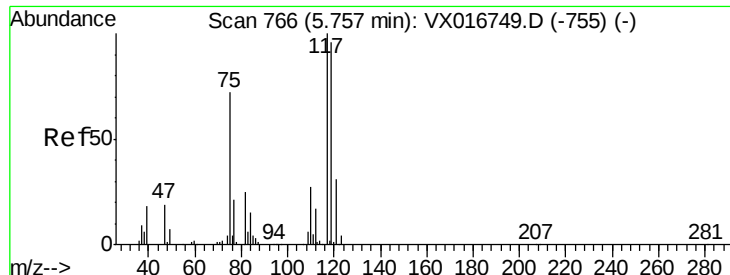
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	23.1	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016785.D
 Acq: 16 Jun 2020 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.4	55.2#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.900 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

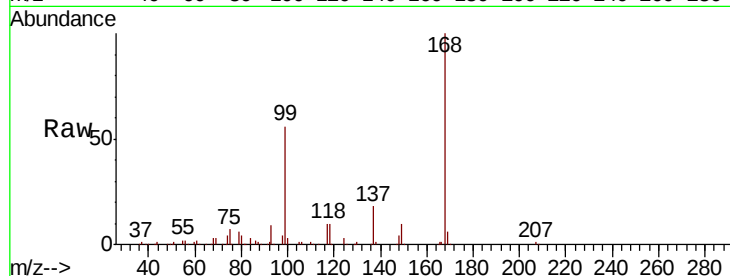
Tot Ion:117 Resp: 20845

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

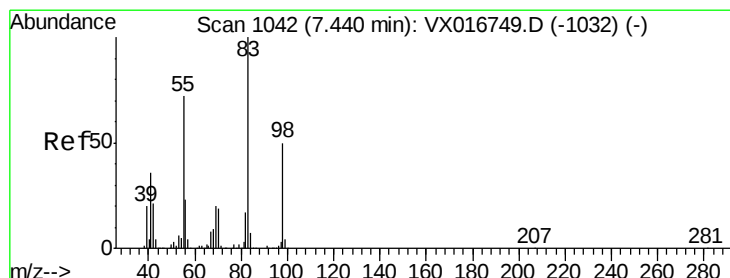
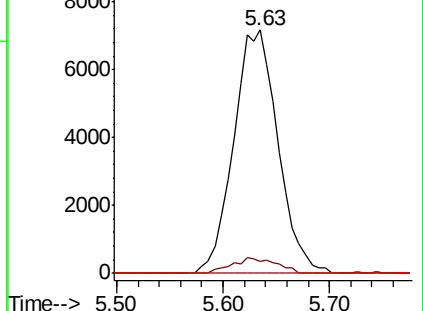
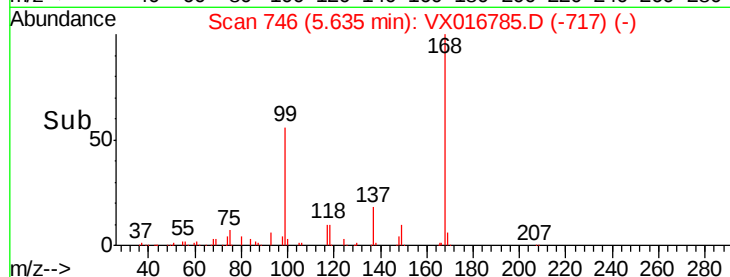
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.960 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.25 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

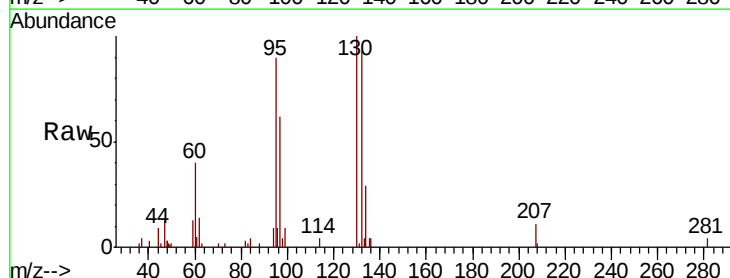
Tgt Ion: 83 Resp: 25

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

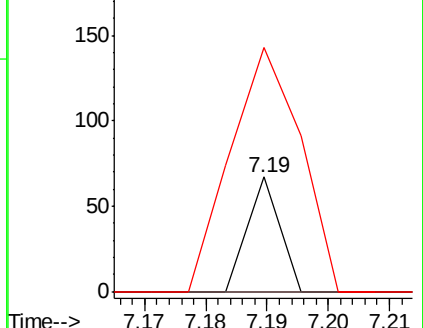
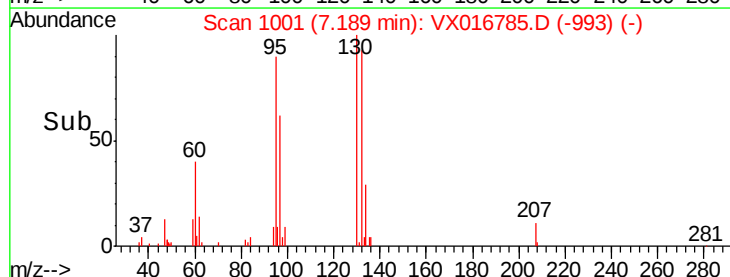
98 213.4 40.3 60.5#

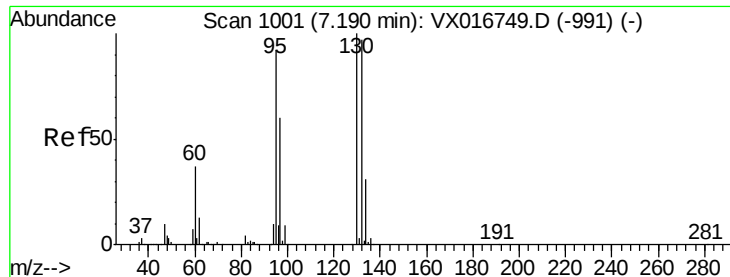


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 2.539 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

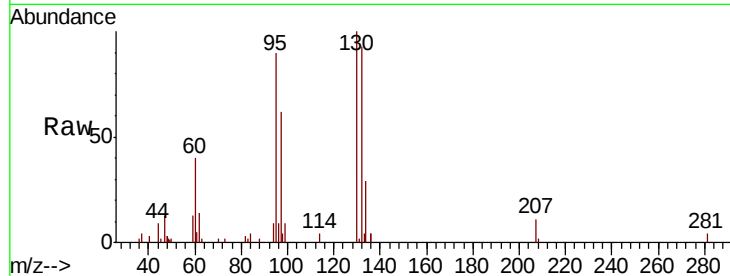
Z1-DUP-0570-200611

Tot Ion:130 Resp: 7438

Ion Ratio Lower Upper

130 100

95 89.9 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

4000

3000

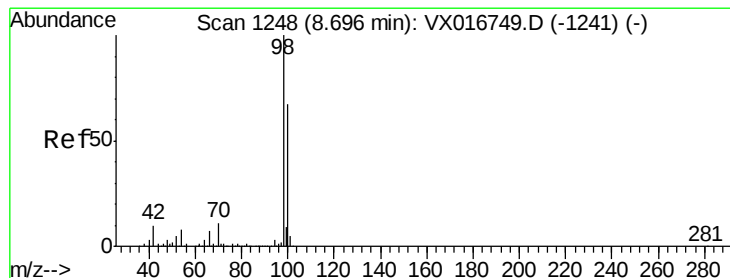
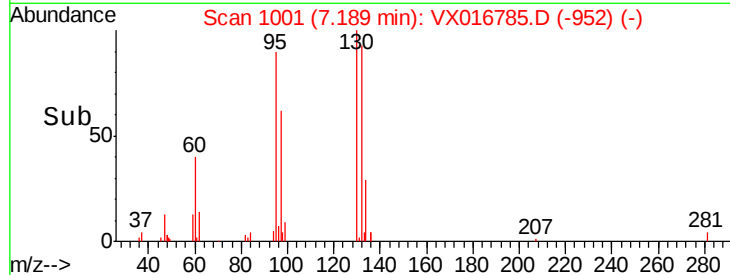
2000

1000

0

Time-->

7.10 7.15 7.20 7.25



#50

Toluene-d8

Concen: 54.287 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016785.D

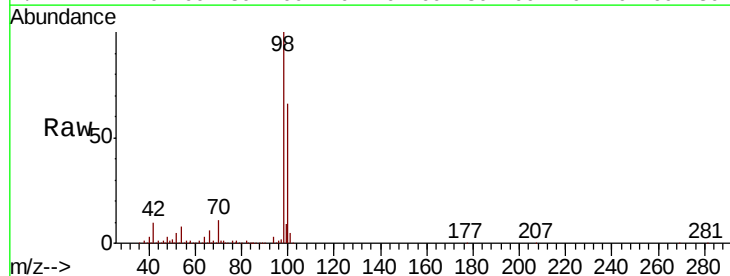
Acq: 16 Jun 2020 17:23

Tgt Ion: 98 Resp: 434742

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

8.70

300000

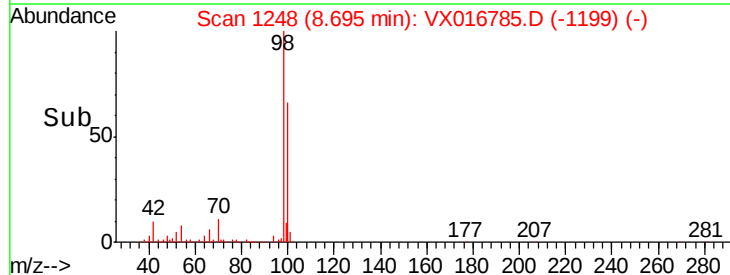
200000

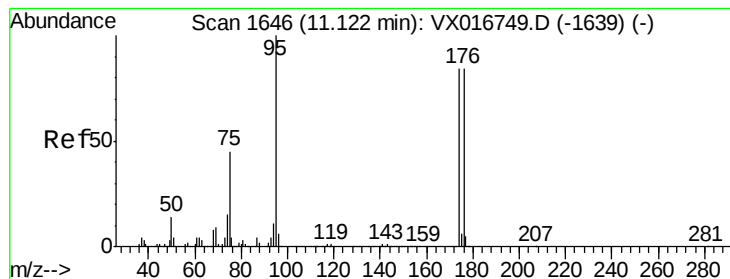
100000

0

Time-->

8.60 8.65 8.70 8.75





#62

4-Bromofluorobenzene

Concen: 57.643 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

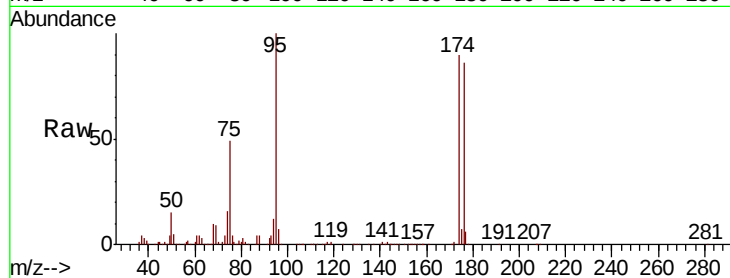
Tot Ion: 95 Resp: 176568

Ion Ratio Lower Upper

95 100

174 89.0 0.0 171.0

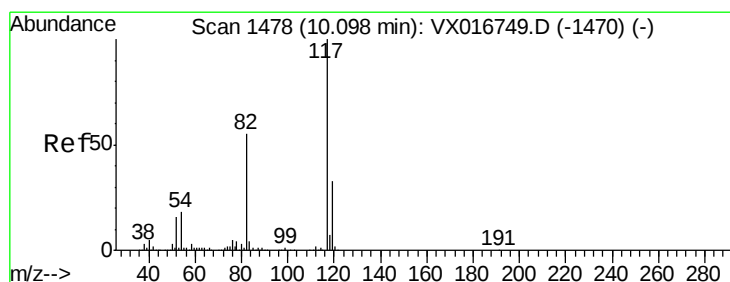
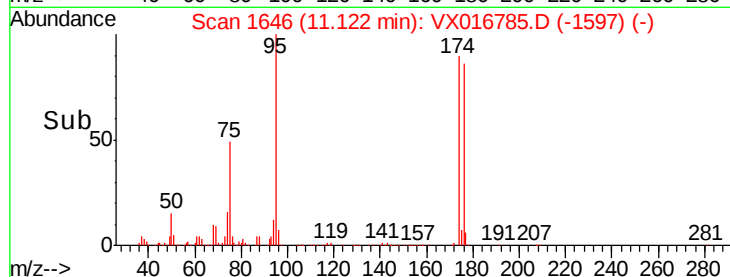
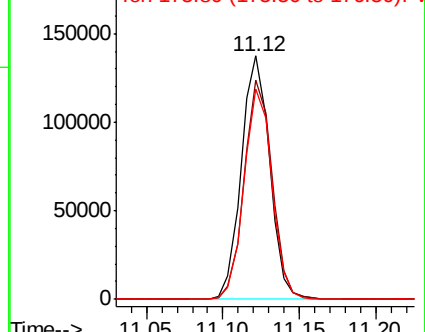
176 85.5 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016785.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016785.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016785.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

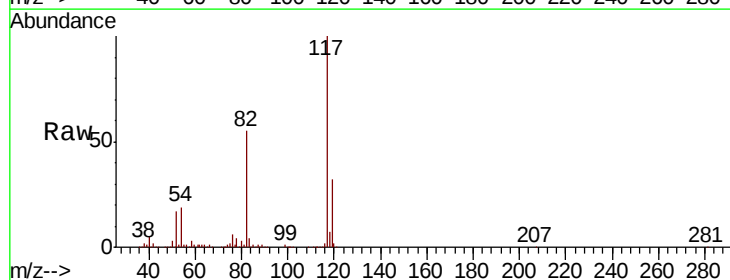
Tgt Ion: 117 Resp: 366272

Ion Ratio Lower Upper

117 100

82 54.7 43.8 65.6

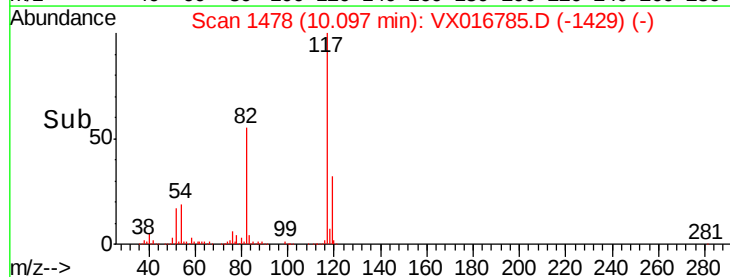
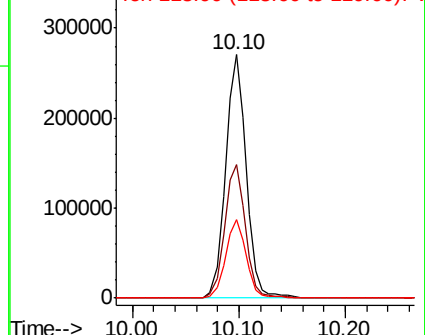
119 32.4 26.2 39.4

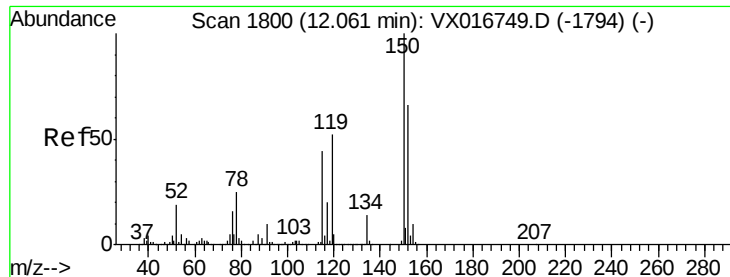


Abundance Ion 116.90 (116.60 to 117.60): VX016785.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016785.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016785.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: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

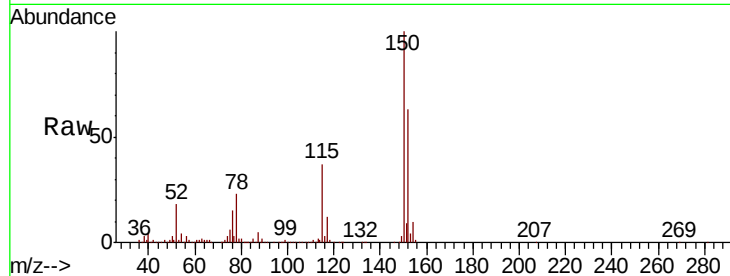
Tot Ion:152 Resp: 187650

Ion Ratio Lower Upper

152 100

115 57.1 40.3 120.8

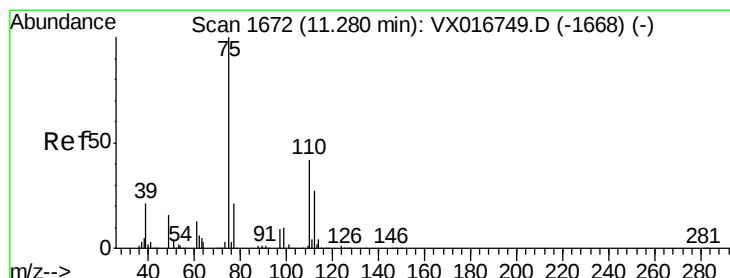
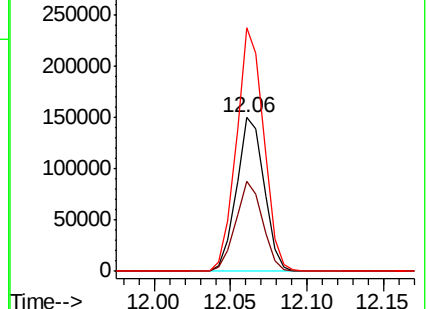
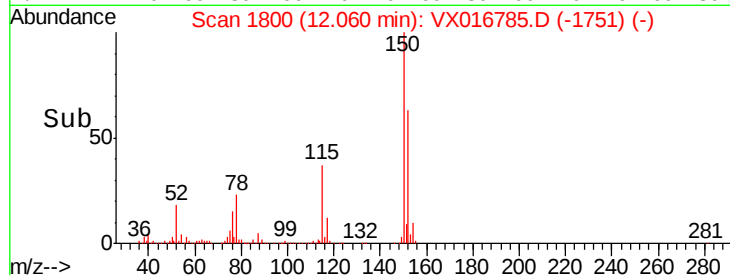
150 156.5 0.0 337.4



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: 21.575 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016785.D

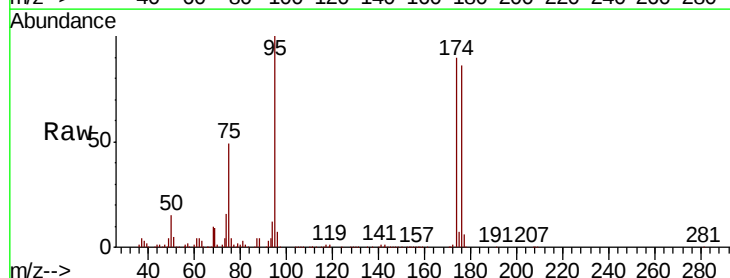
Acq: 16 Jun 2020 17:23

Tgt Ion: 75 Resp: 85140

Ion Ratio Lower Upper

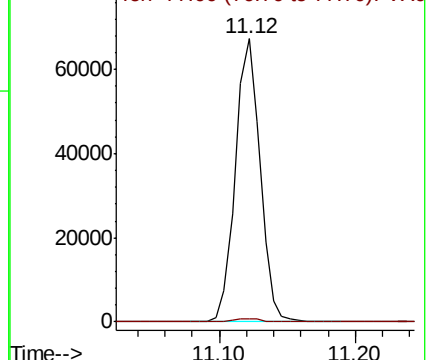
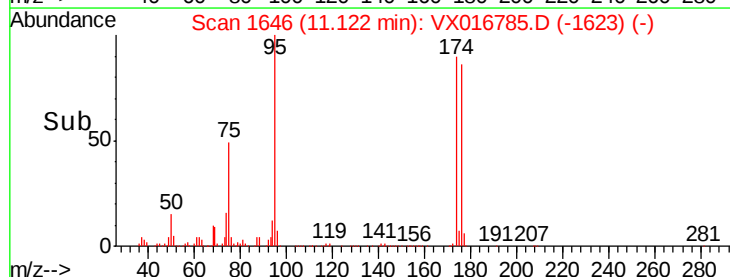
75 100

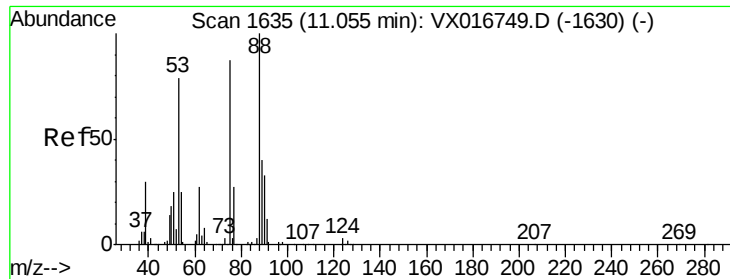
77 1.4 20.3 60.9#



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: 54.315 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0570-200611

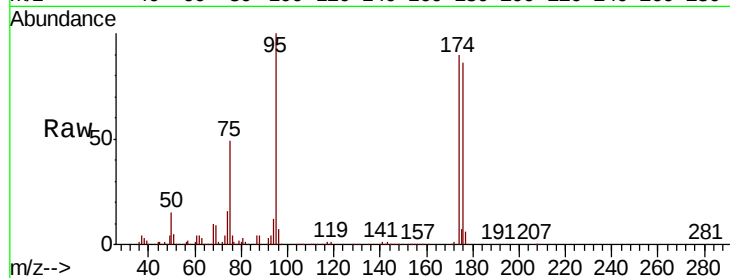
Tot Ion: 75 Resp: 85140

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

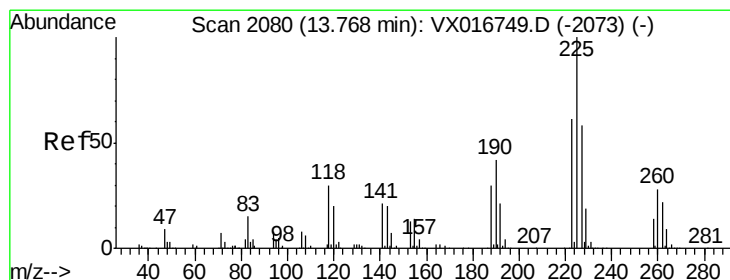
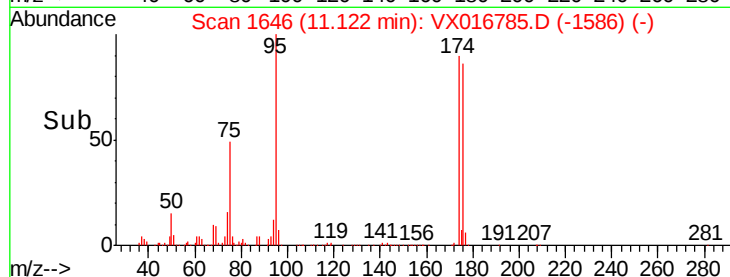
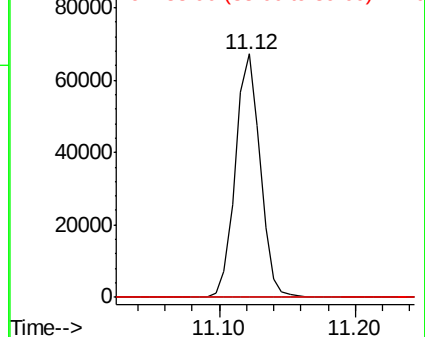
89 0.0 39.1 58.7#



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: 0.435 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016785.D

Acq: 16 Jun 2020 17:23

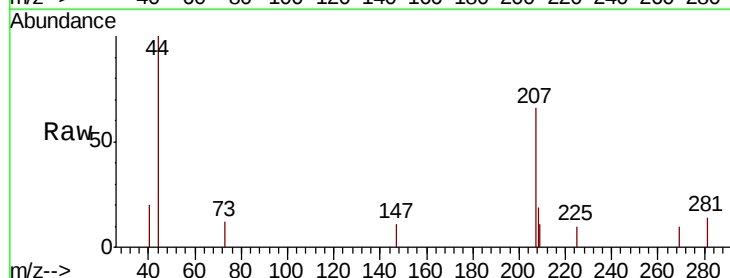
Tgt Ion: 225 Resp: 40

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

227 0.0 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

