

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016787.D
 Acq On : 16 Jun 2020 18:08
 Operator : JC/SP
 Sample : L3003-01 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0570

Quant Time: Jun 17 03:58:15 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	234270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	369270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196009	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	136391	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	5.46	113	113549	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	8.70	98	455313	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
62) 4-Bromofluorobenzene	11.12	95	184185	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	

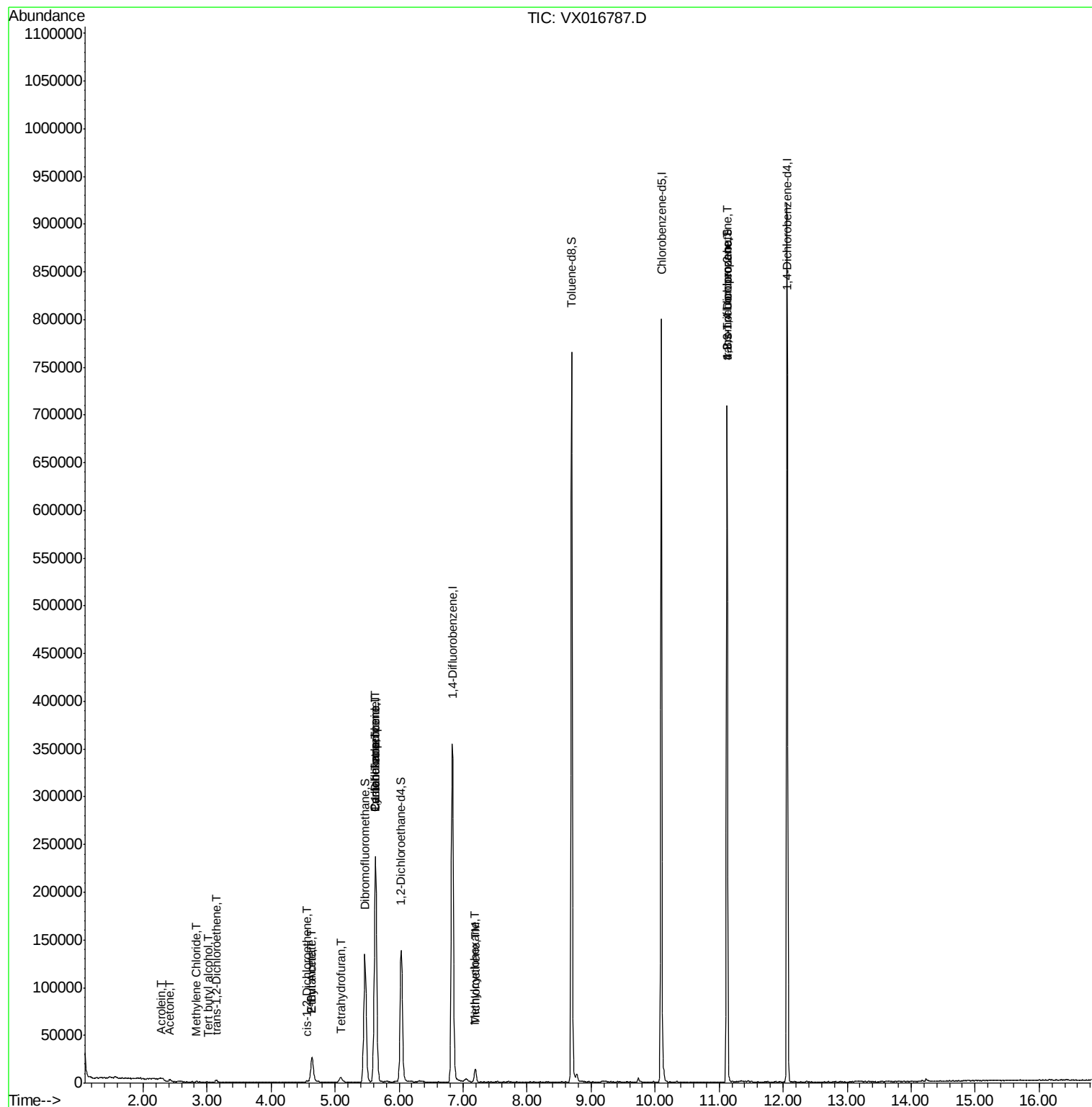
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	212	0.320	ug/l #	73
13) Acrolein	2.28	56	191	2.977	ug/l #	29
16) Acetone	2.42	43	2727	2.281	ug/l #	86
20) Methylene Chloride	2.84	84	576	0.224	ug/l #	77
21) trans-1,2-Dichloroethene	3.15	96	1094	0.445	ug/l #	76
25) 2-Butanone	4.64	43	38093	21.146	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	1210	0.430	ug/l	64
29) Tetrahydrofuran	5.09	42	384	0.329	ug/l #	36
31) Cyclohexane	5.63	56	3781	1.795	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15823	4.849	ug/l #	49
37) Ethyl Acetate	4.64	43	38093	10.659	ug/l #	66
38) Carbon Tetrachloride	5.63	117	22529	6.079	ug/l #	15
39) Methylcyclohexane	7.18	83	41	0.964	ug/l #	19
44) Trichloroethene	7.19	130	5121	1.666	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	89076	21.610	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89076	54.403	ug/l #	13

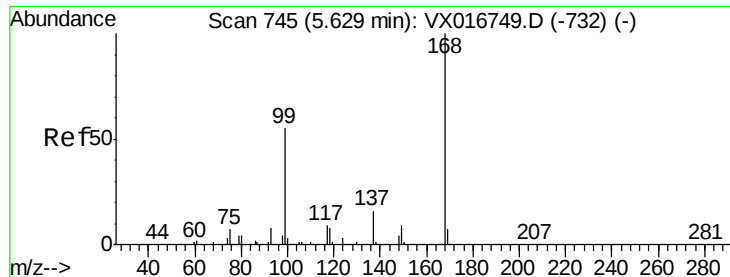
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S49-0570

Quant Time: Jun 17 03:58:15 2020
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: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

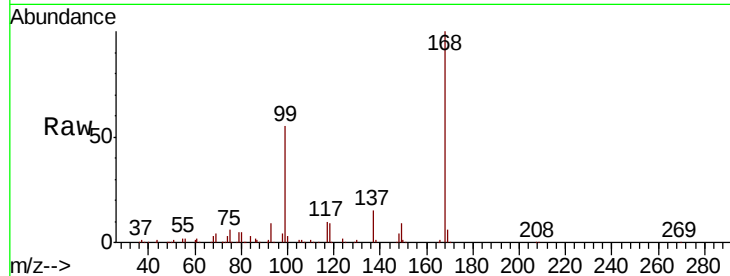
S49-0570

Tot Ion:168 Resp: 234270

Ion Ratio Lower Upper

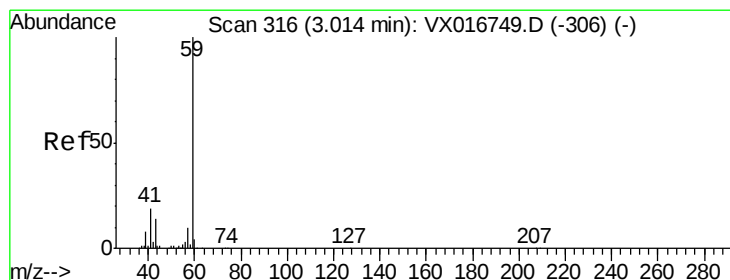
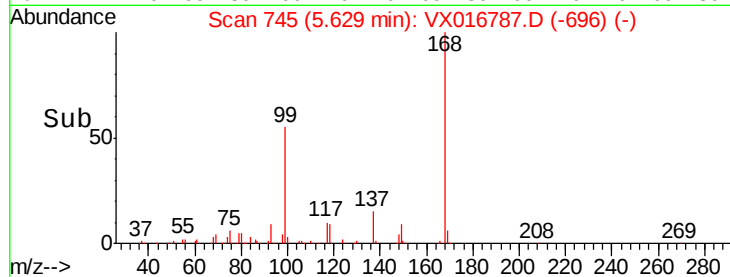
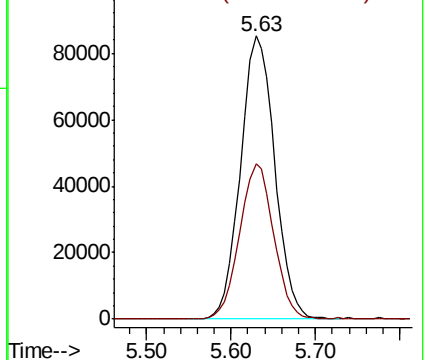
168 100

99 54.7 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: 0.320 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX016787.D

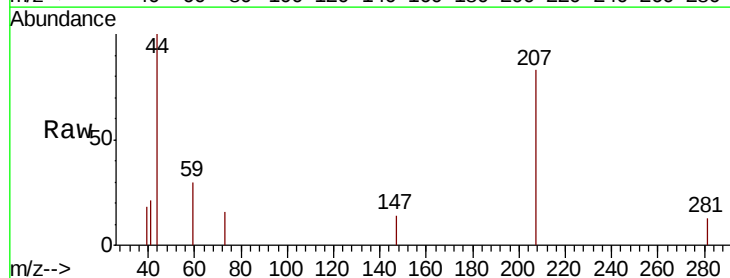
Acq: 16 Jun 2020 18:08

Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

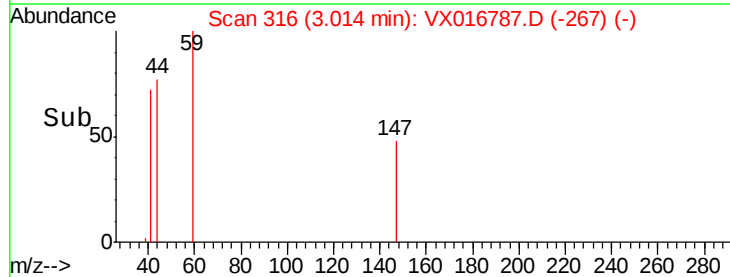
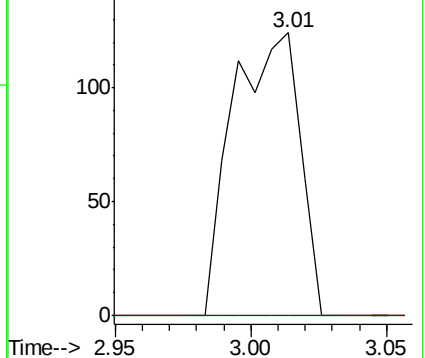
59 100

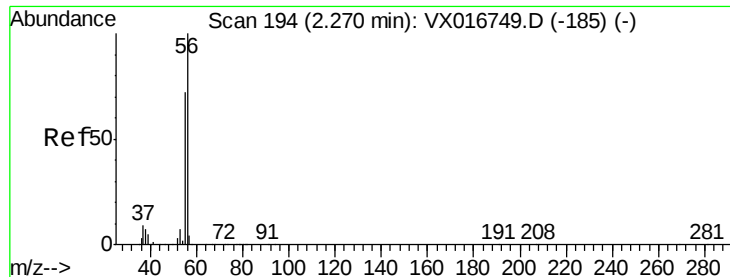
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.977 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

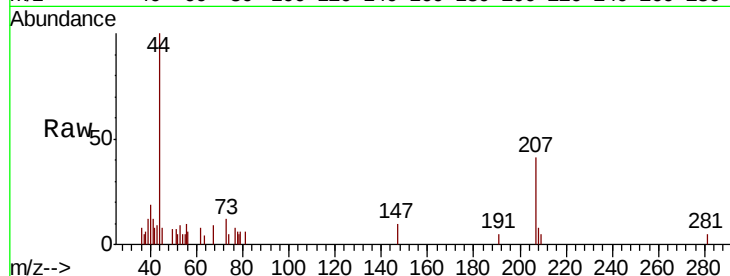
S49-0570

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

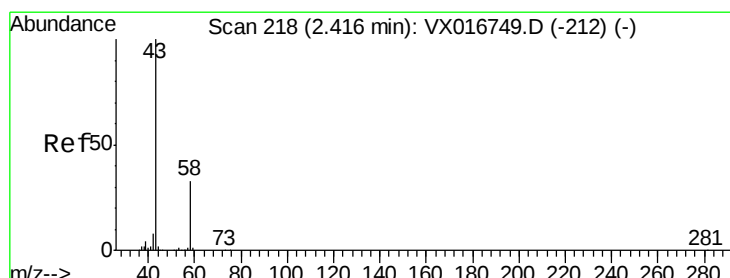
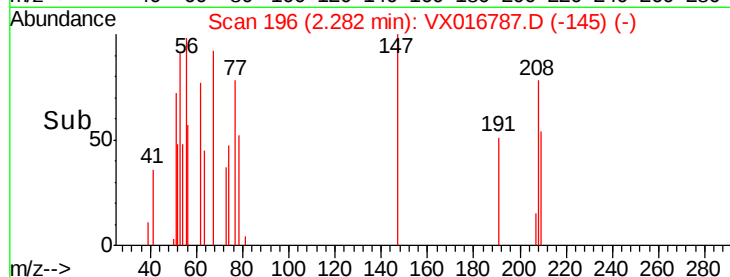
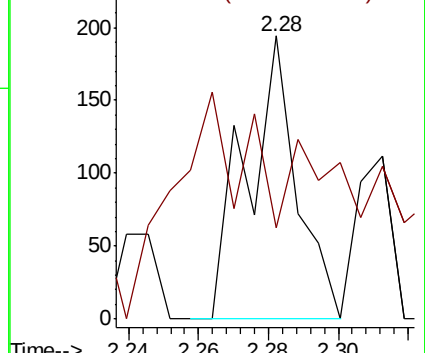
56 100

55 131.9 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: 2.281 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016787.D

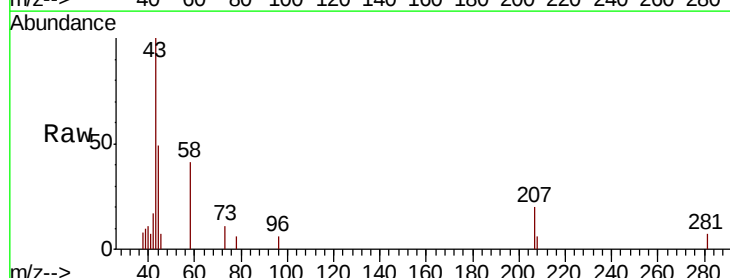
Acq: 16 Jun 2020 18:08

Tgt Ion: 43 Resp: 2727

Ion Ratio Lower Upper

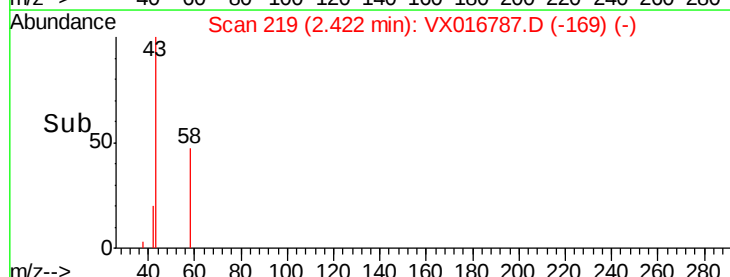
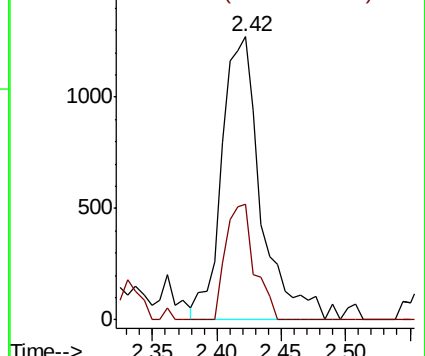
43 100

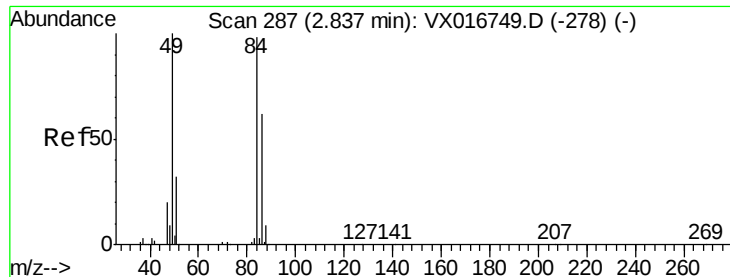
58 40.7 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

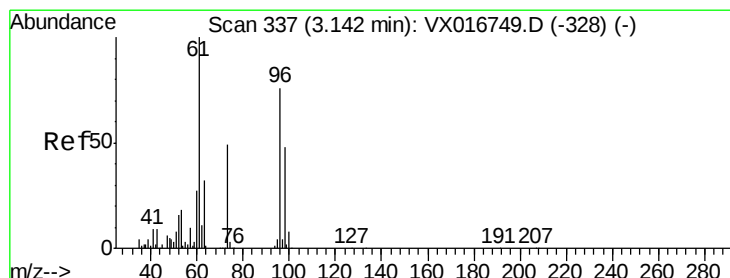
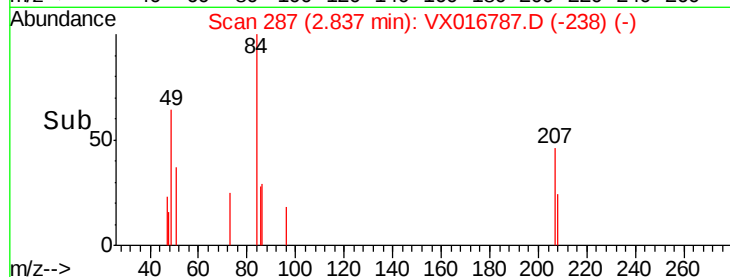
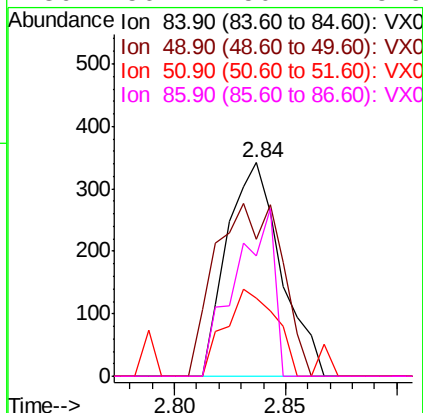
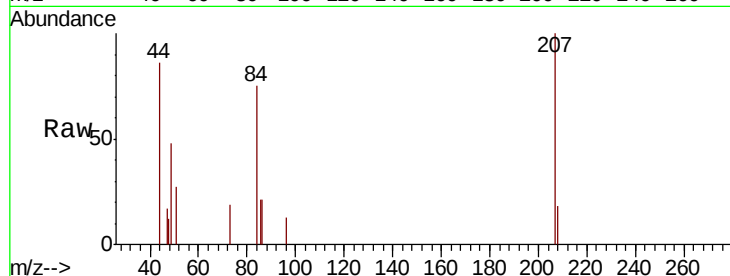




#20
Methvlene Chloride
Concen: 0.224 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

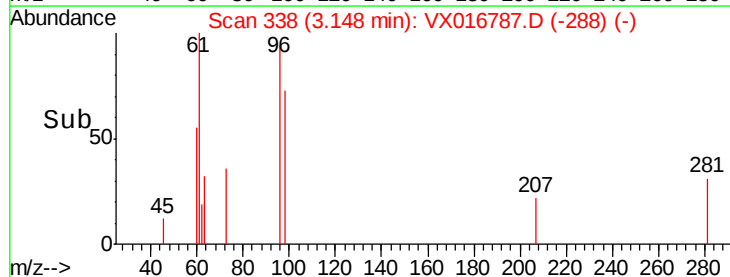
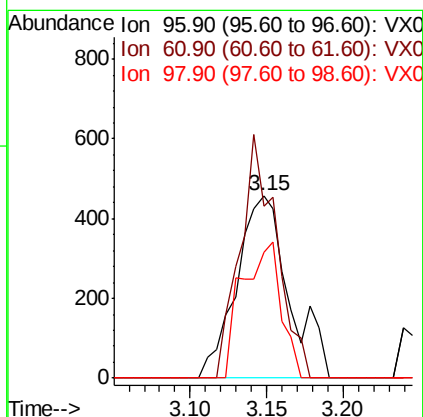
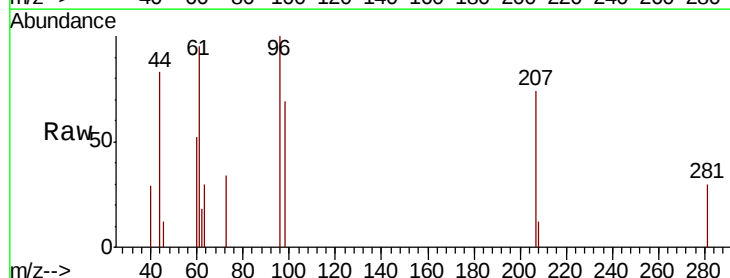
Instrument :
MSVOA_X
ClientSampled :
S49-0570

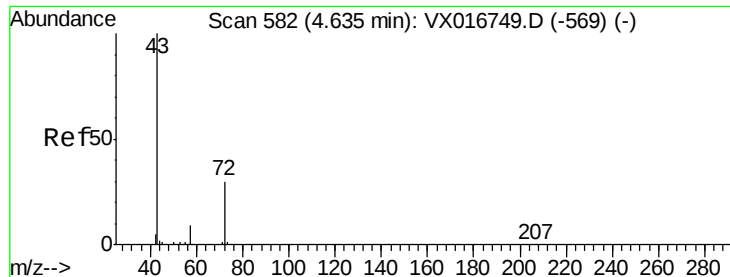
Tot Ion:	84	Resp:	576
Ion	Ratio	Lower	Upper
84	100		
49	64.0	81.8	122.8#
51	36.5	25.8	38.8
86	56.4	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: 0.445 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Tgt Ion:	96	Resp:	1094
Ion	Ratio	Lower	Upper
96	100		
61	94.5	105.4	158.2#
98	68.8	50.8	76.2





#25

2-Butanone

Concen: 21.146 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

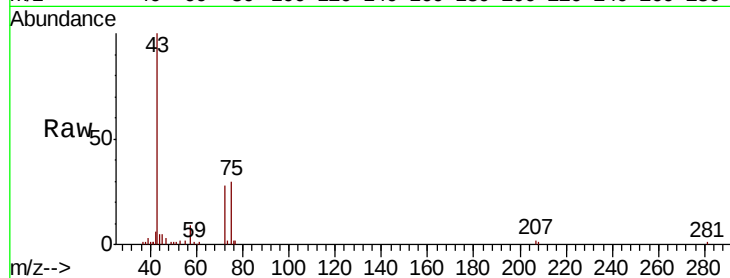
S49-0570

Tot Ion: 43 Resp: 38093

Ion Ratio Lower Upper

43 100

72 27.8 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

15000

10000

5000

0

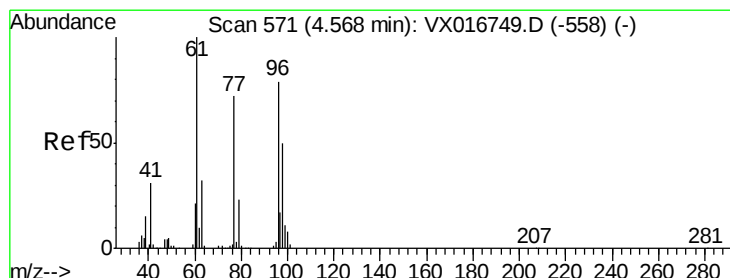
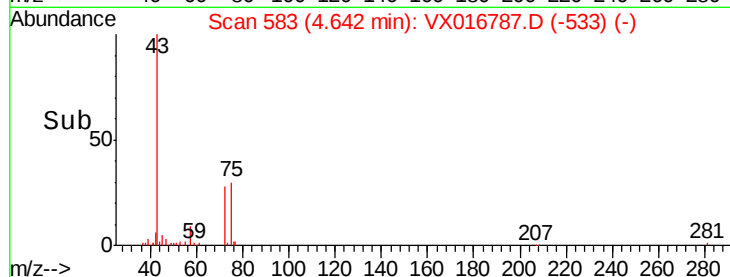
Time-->

4.50

4.60

4.70

4.80



#27

cis-1,2-Dichloroethene

Concen: 0.430 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

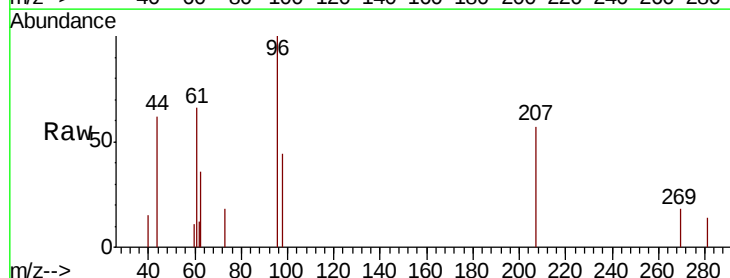
Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 107.1 0.0 276.2

98 20.1 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

600

400

200

0

Time-->

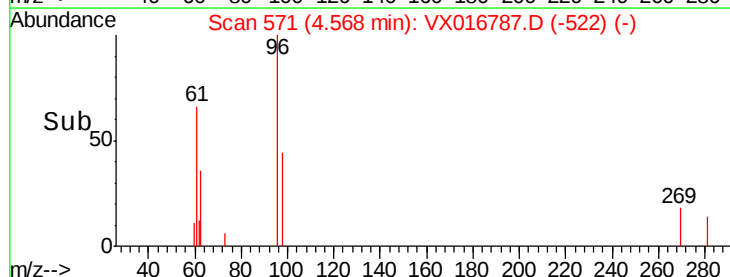
4.45

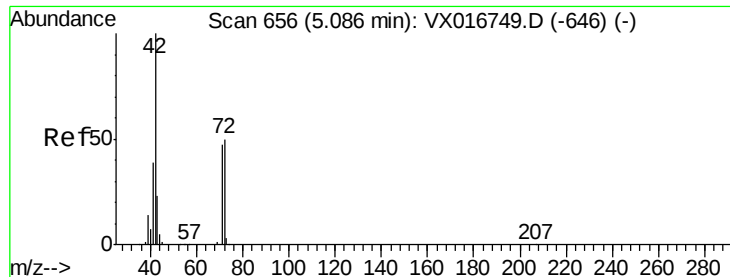
4.50

4.55

4.60

4.65





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

S49-0570

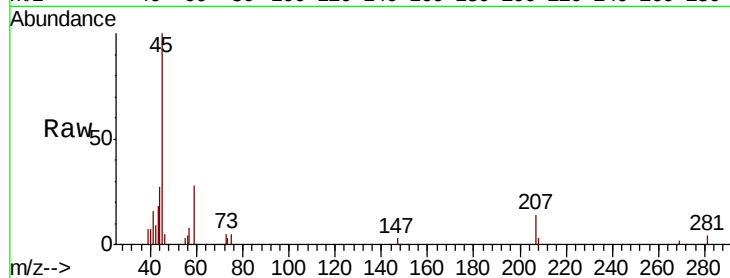
Tot Ion: 42 Resp: 384

Ion Ratio Lower Upper

42 100

72 11.7 41.0 61.6#

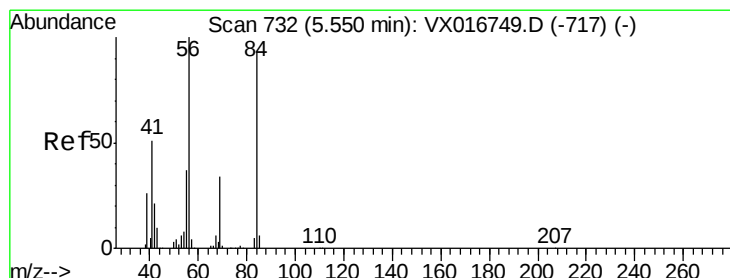
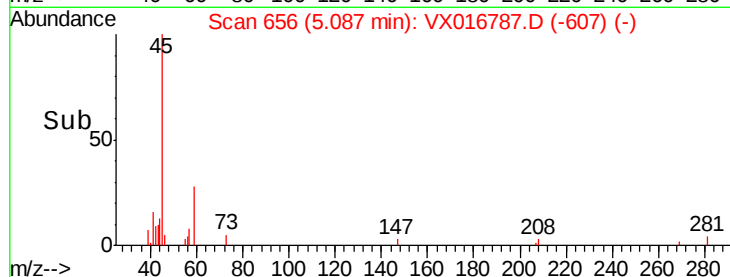
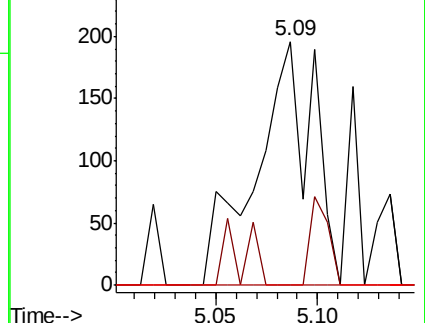
71 0.0 38.2 57.4#



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: 1.795 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

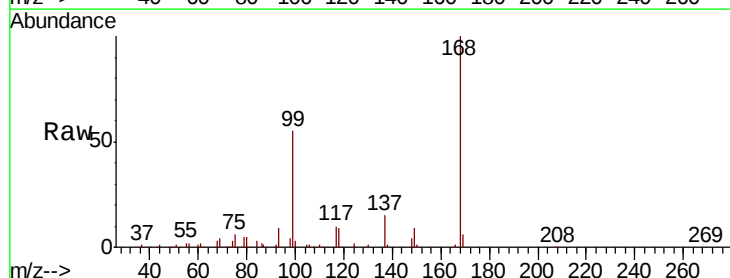
Tgt Ion: 56 Resp: 3781

Ion Ratio Lower Upper

56 100

69 223.8 27.1 40.7#

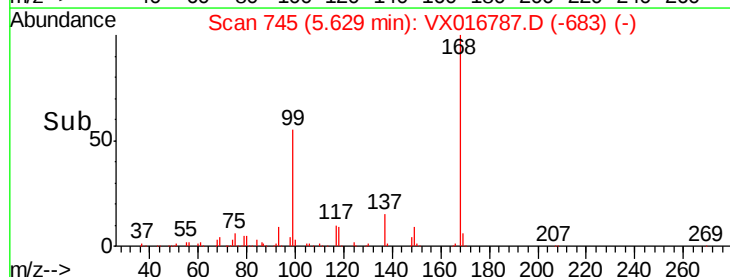
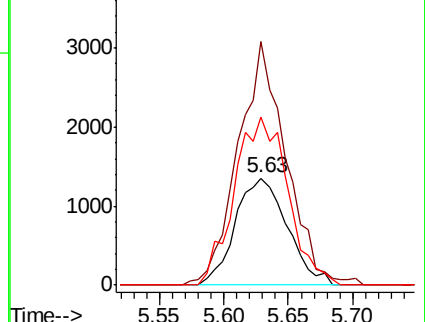
84 157.7 74.0 111.0#

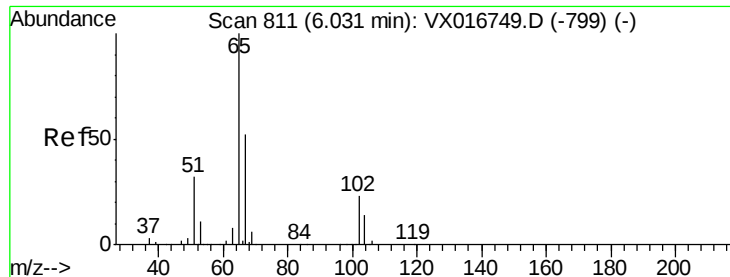


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.760 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

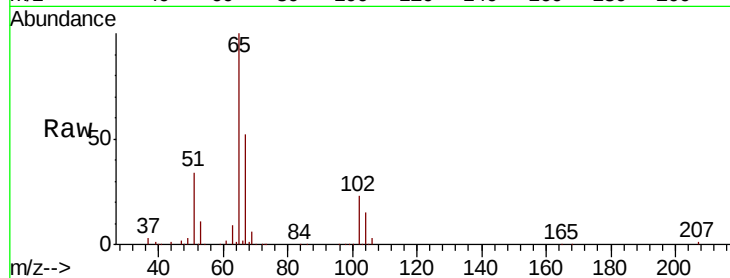
S49-0570

Tot Ion: 65 Resp: 136391

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

20000

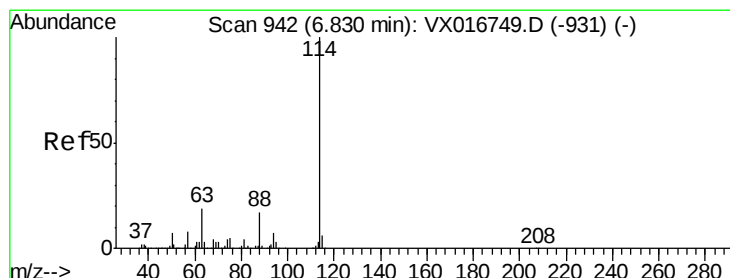
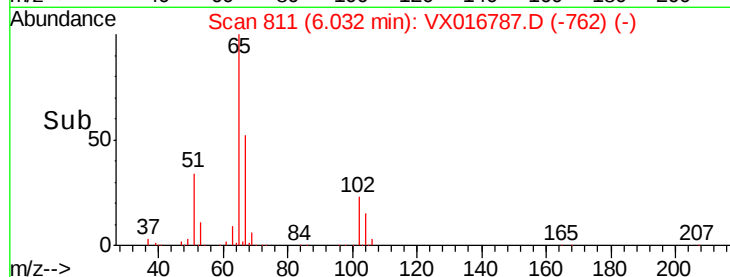
10000

0

Time-->

5.90 6.00 6.10 6.20

6.03



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

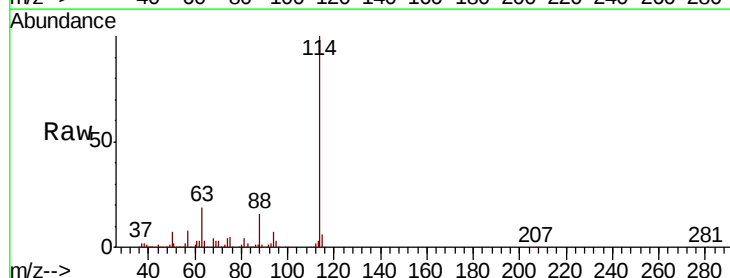
Tgt Ion: 114 Resp: 369270

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 16.1 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

200000

150000

100000

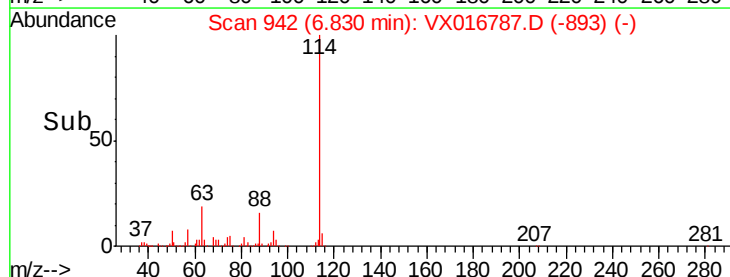
50000

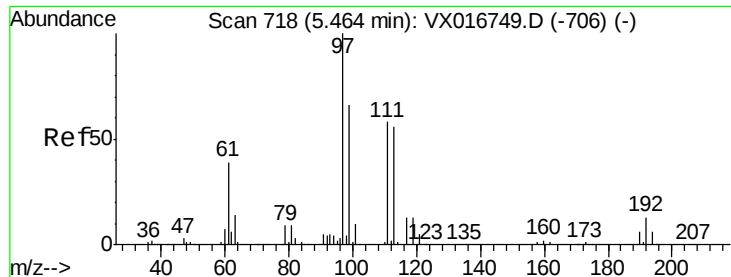
0

Time-->

6.70 6.80 6.90 7.00

6.83

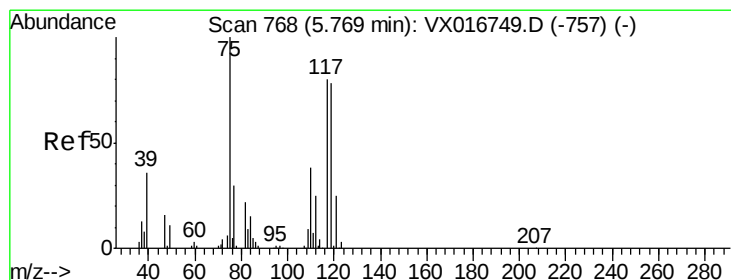
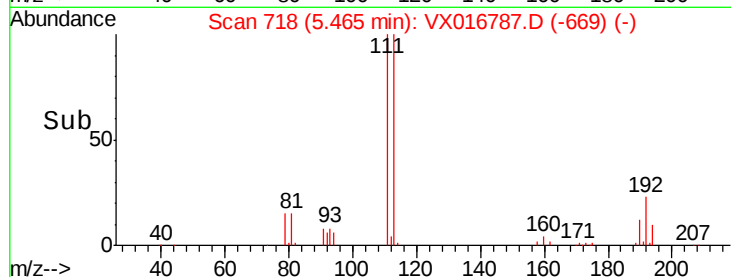
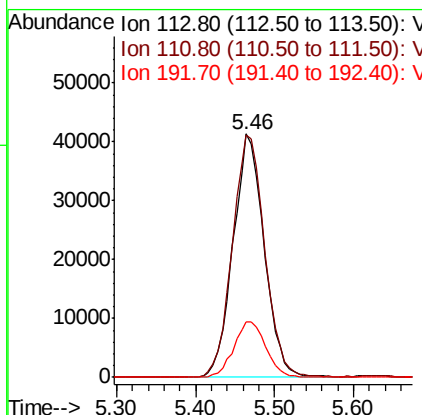
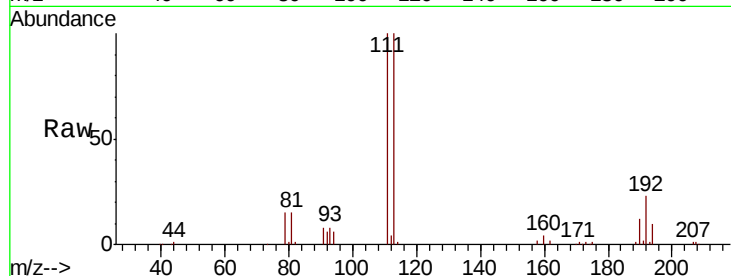




#35
Dibromofluoromethane
Concen: 49.839 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

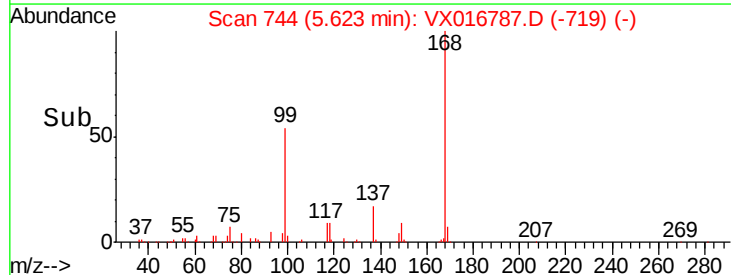
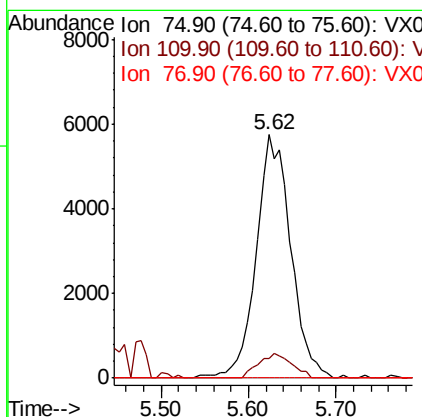
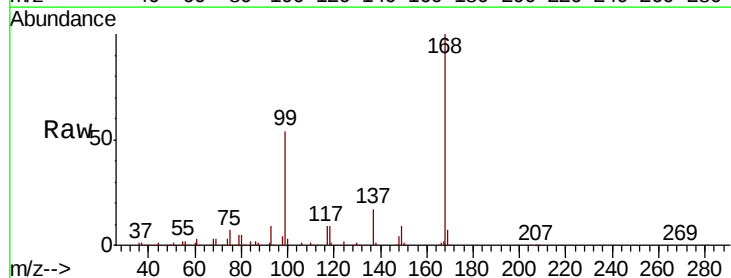
Instrument :
MSVOA_X
ClientSampled :
S49-0570

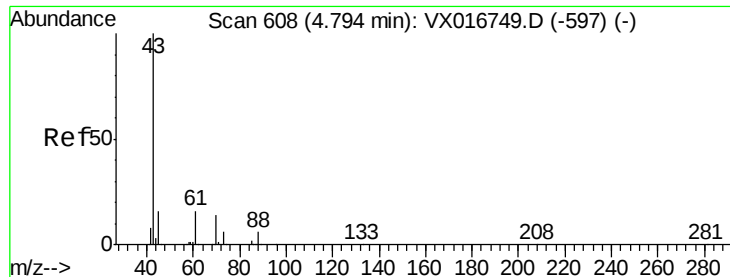
Tot Ion:113 Resp: 113549
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 23.7 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.849 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.15 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Tgt Ion: 75 Resp: 15823
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.0 24.7 37.1#

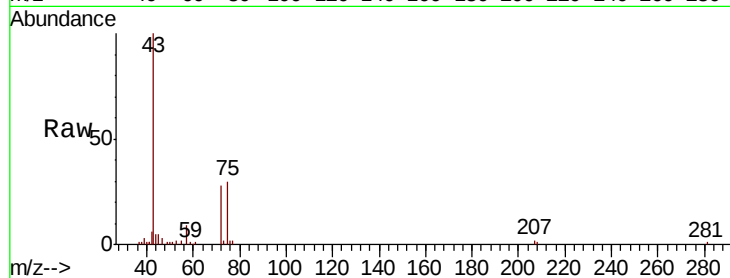




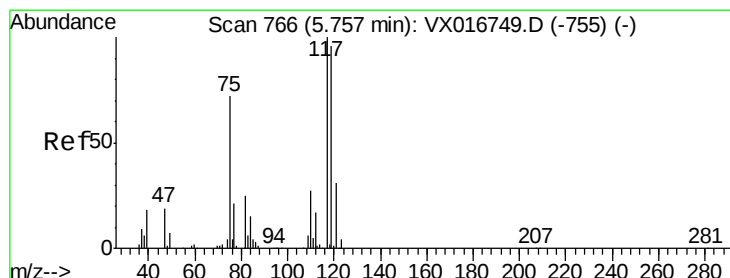
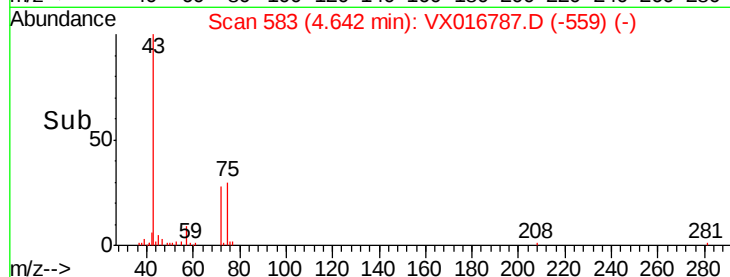
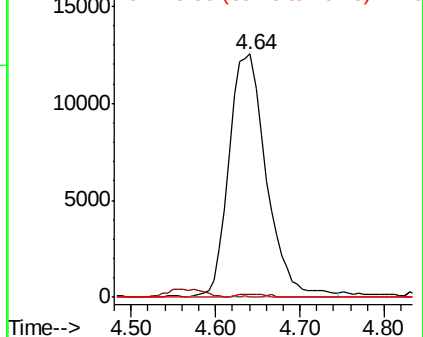
#37
Ethyl Acetate
Concen: 10.659 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Instrument :
MSVOA_X
ClientSampleId :
S49-0570

Tot Ion: 43 Resp: 38093
Ion Ratio Lower Upper
43 100
61 1.1 12.4 18.6#
70 0.1 10.8 16.2#

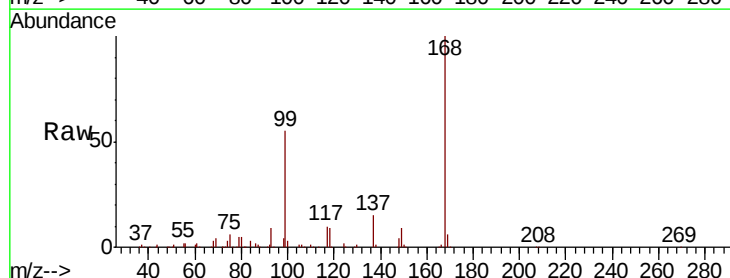


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

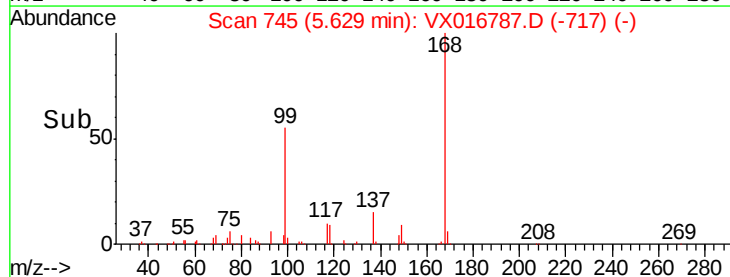
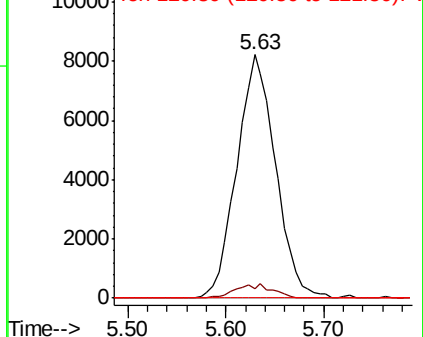


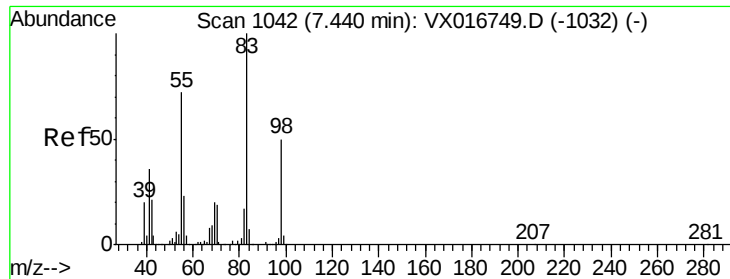
#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Tgt Ion: 117 Resp: 22529
Ion Ratio Lower Upper
117 100
119 4.0 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: 0.964 ug/l

RT: 7.18 min Scan# 999

Delta R.T. -0.26 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampled :

S49-0570

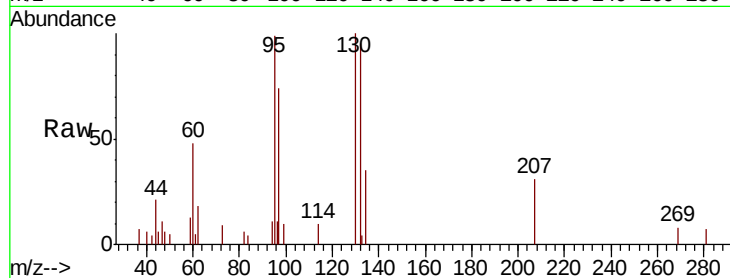
Tot Ion: 83 Resp: 41

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

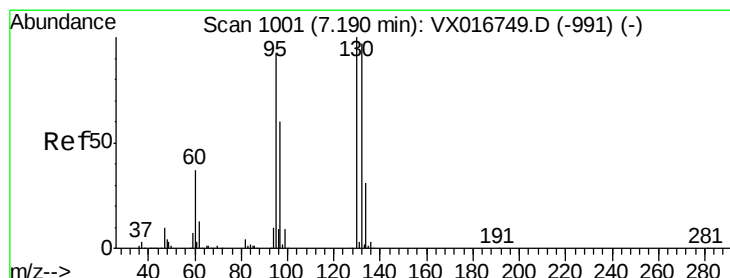
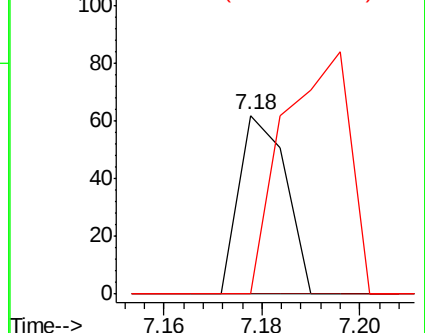
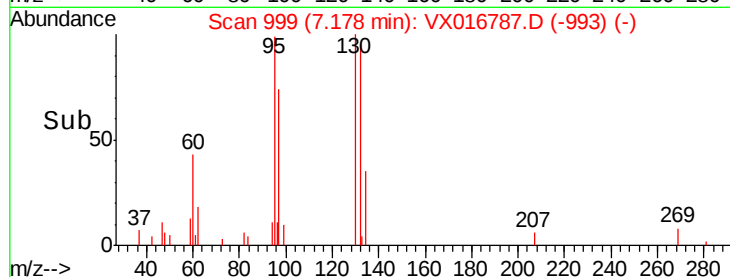
98 0.0 40.3 60.5#



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: 1.666 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016787.D

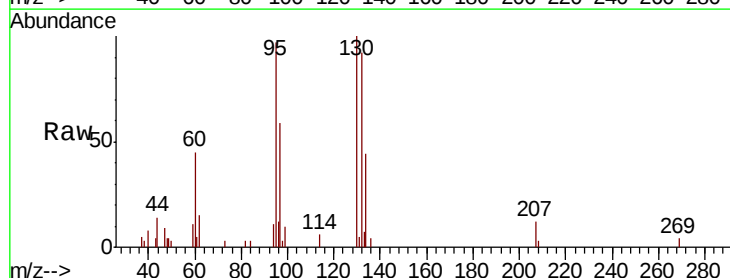
Acq: 16 Jun 2020 18:08

Tgt Ion:130 Resp: 5121

Ion Ratio Lower Upper

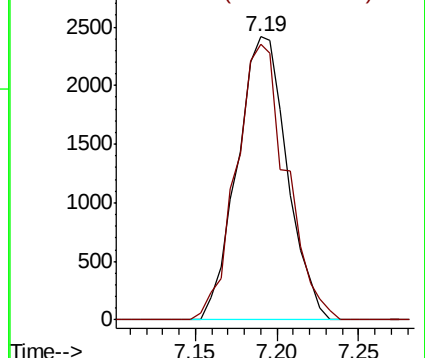
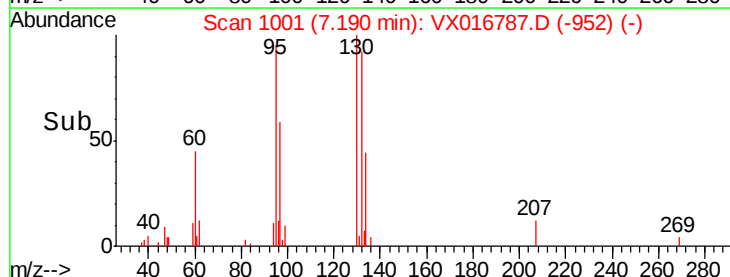
130 100

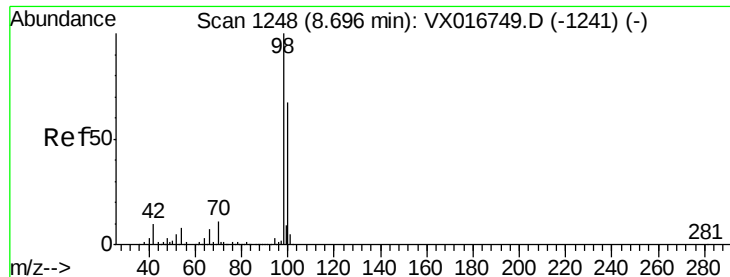
95 97.3 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 54.199 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

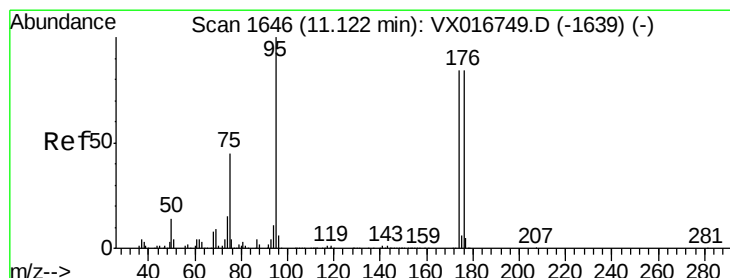
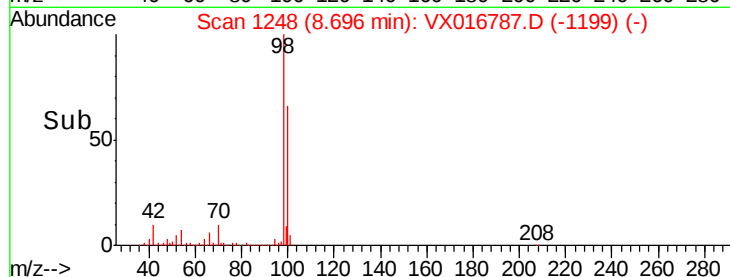
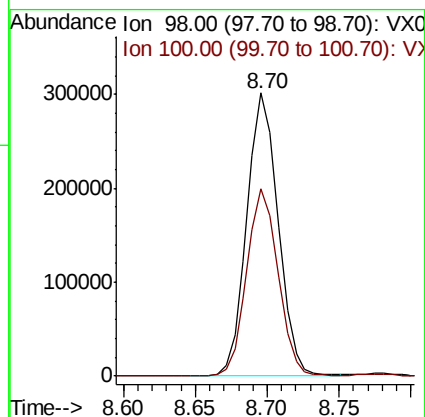
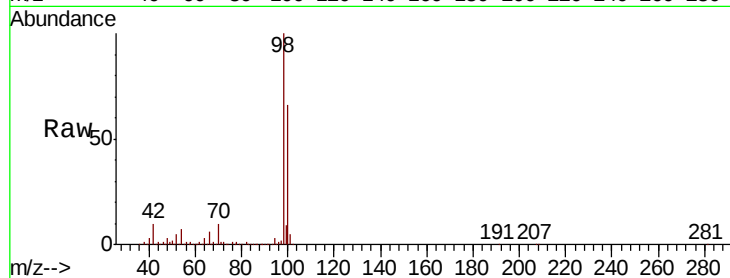
S49-0570

Tot Ion: 98 Resp: 455313

Ion Ratio Lower Upper

98 100

100 66.1 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 57.319 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

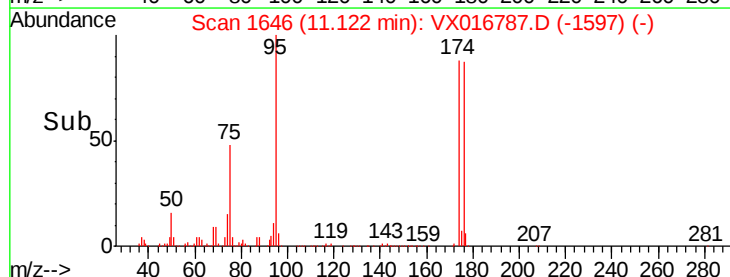
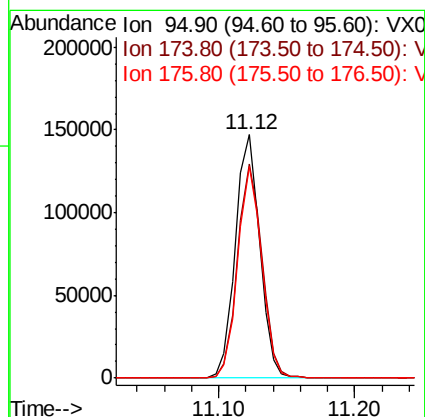
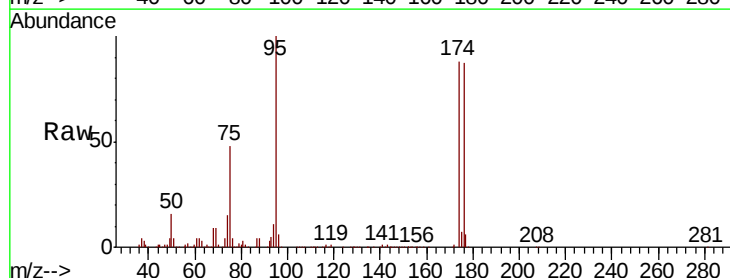
Tgt Ion: 95 Resp: 184185

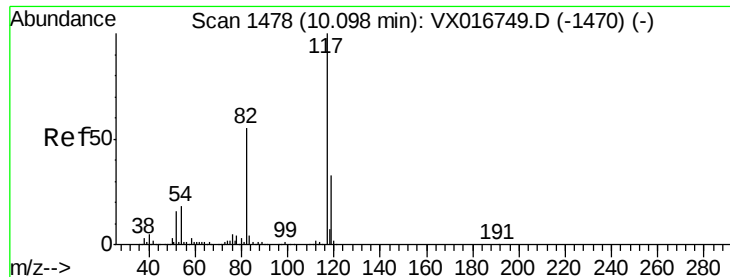
Ion Ratio Lower Upper

95 100

174 89.0 0.0 171.0

176 85.6 0.0 166.2

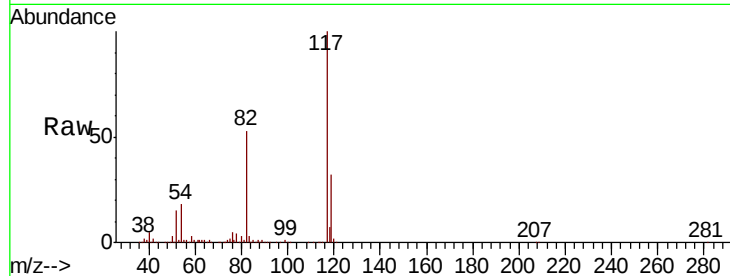




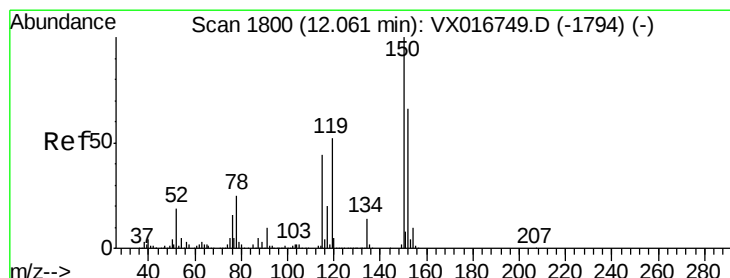
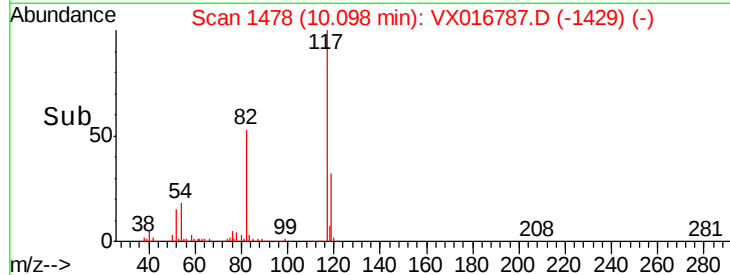
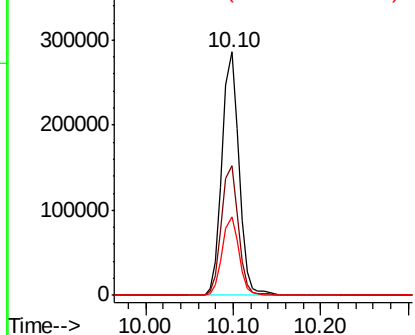
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Instrument :
MSVOA_X
ClientSampleId :
S49-0570

Tot Ion:117 Resp: 382852
Ion Ratio Lower Upper
117 100
82 53.3 43.8 65.6
119 32.2 26.2 39.4

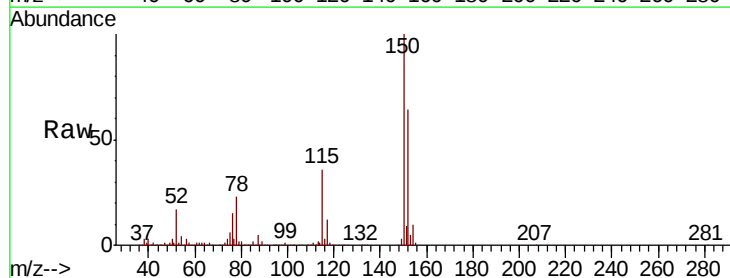


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

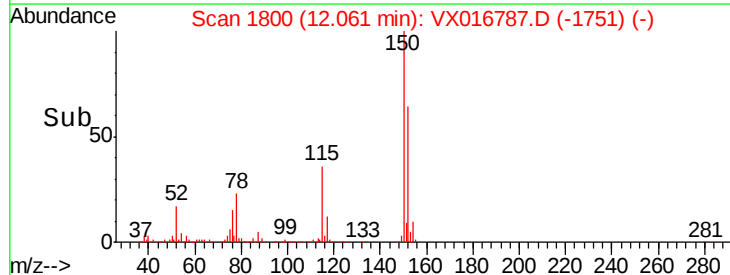
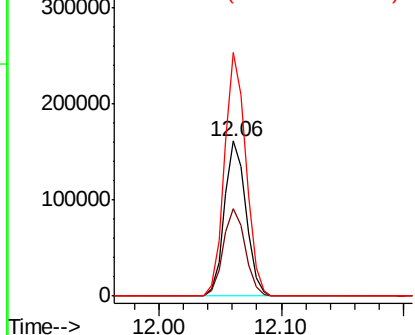


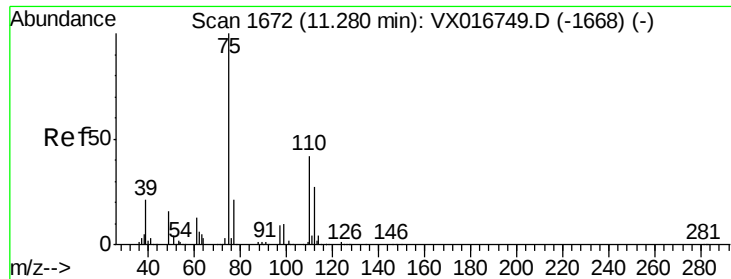
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016787.D
Acq: 16 Jun 2020 18:08

Tgt Ion:152 Resp: 196009
Ion Ratio Lower Upper
152 100
115 57.6 40.3 120.8
150 156.4 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: 21.610 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Instrument :

MSVOA_X

ClientSampleId :

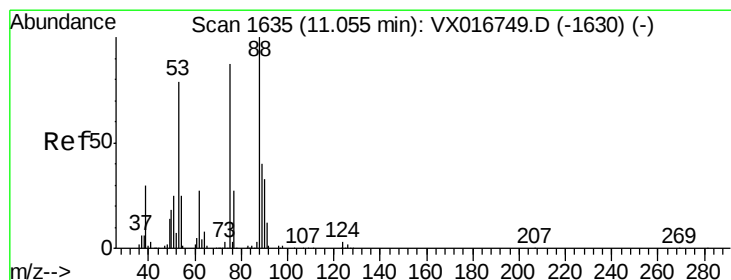
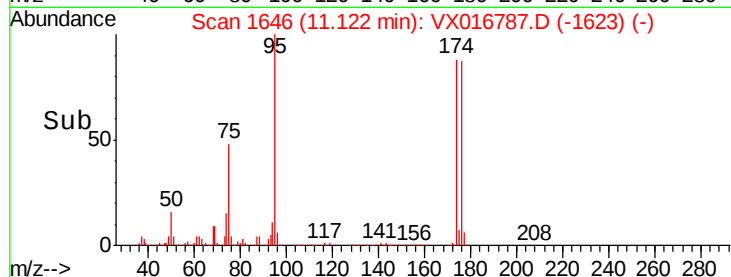
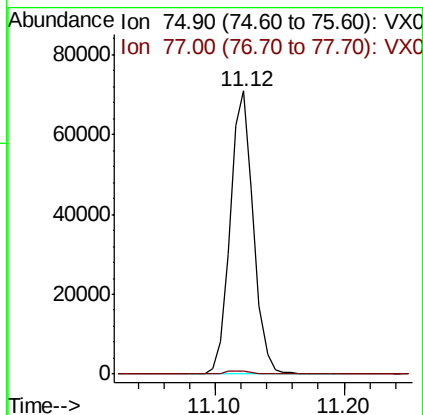
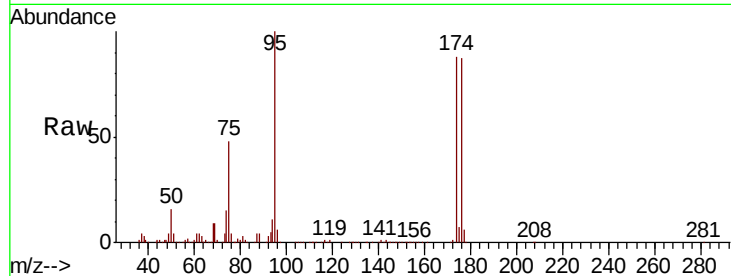
S49-0570

Tot Ion: 75 Resp: 89076

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.403 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016787.D

Acq: 16 Jun 2020 18:08

Tgt Ion: 75 Resp: 89076

Ion Ratio Lower Upper

75 100

53 0.1 71.4 107.0#

89 0.0 39.1 58.7#

