

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016786.D
 Acq On : 16 Jun 2020 17:45
 Operator : JC/SP
 Sample : L3003-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0568

Quant Time: Jun 17 03:57:59 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	237111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	369380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	380119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196979	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	137289	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	5.47	113	115234	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.70	98	453536	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
62) 4-Bromofluorobenzene	11.12	95	186920	58.15	ug/l	0.00
Spiked Amount			Recovery	=	116.30%	

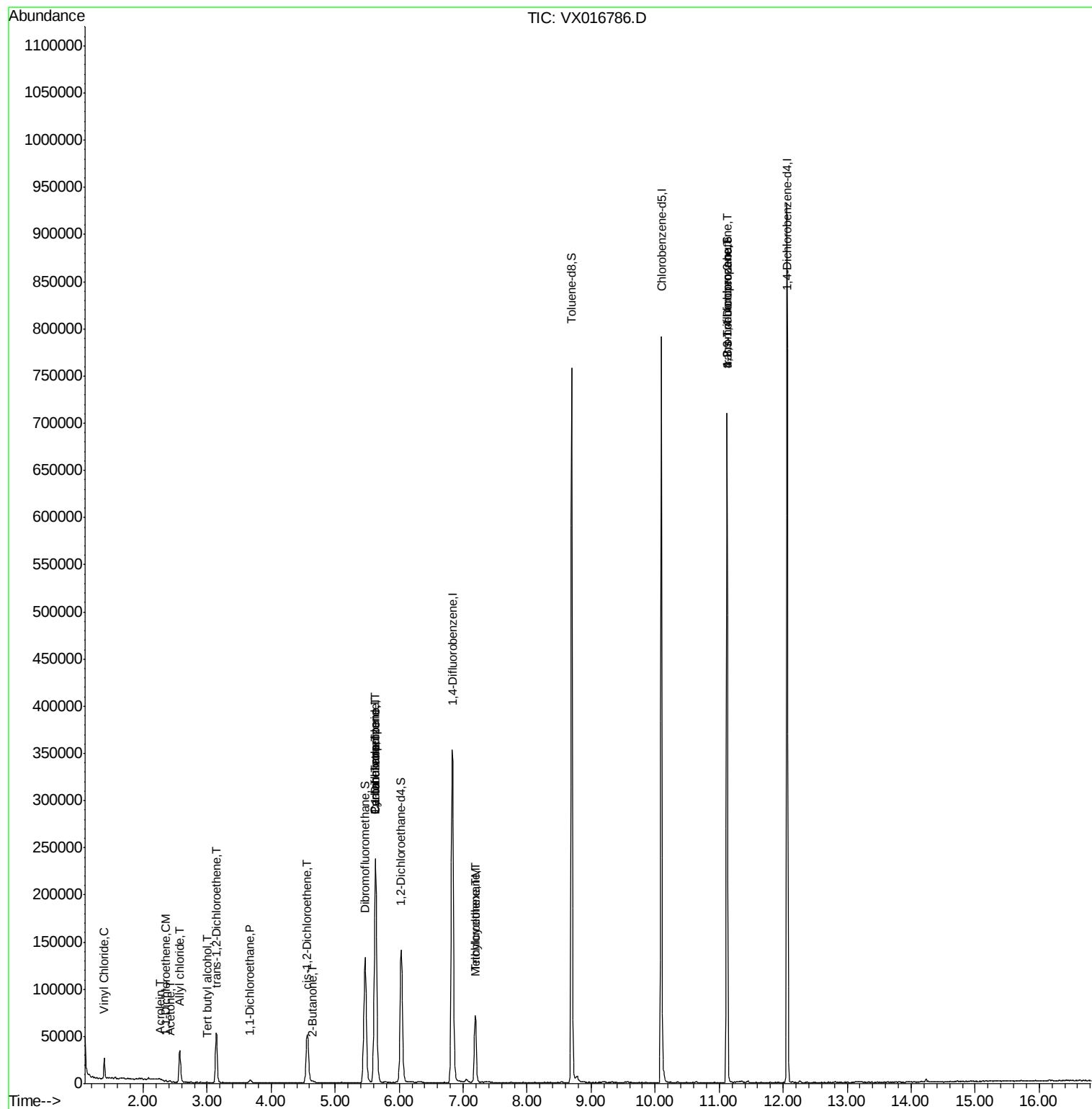
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	12637	4.576	ug/l	99
11) Tert butyl alcohol	3.01	59	342	0.510	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	673	0.290	ug/l #	65
13) Acrolein	2.26	56	245	3.157	ug/l	88
14) Allyl chloride	2.57	41	3626	1.000	ug/l #	59
16) Acetone	2.42	43	1996	1.650	ug/l	90
21) trans-1,2-Dichloroethene	3.14	96	23285	9.350	ug/l	98
24) 1,1-Dichloroethane	3.67	63	3646	0.856	ug/l	98
25) 2-Butanone	4.65	43	545	0.299	ug/l #	44
27) cis-1,2-Dichloroethene	4.57	96	35642	12.522	ug/l	89
31) Cyclohexane	5.63	56	3969	1.836	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15572	4.770	ug/l #	50
38) Carbon Tetrachloride	5.63	117	22209	5.991	ug/l #	15
39) Methylcyclohexane	7.20	83	396	1.056	ug/l #	1
44) Trichloroethene	7.19	130	28377	9.230	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	89207	21.535	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89207	54.214	ug/l #	13

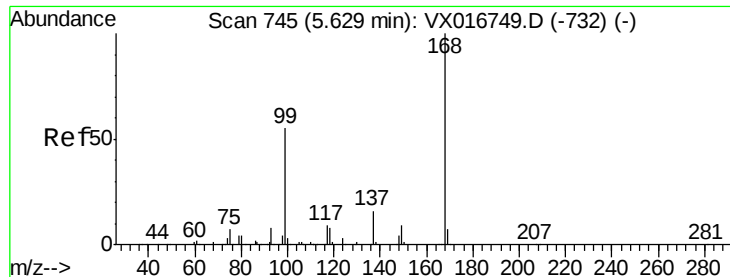
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

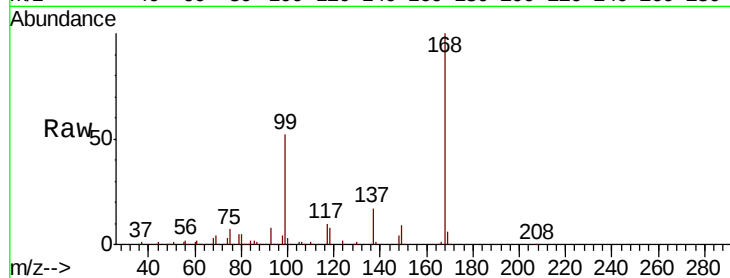
S49-0568

Tot Ion:168 Resp: 237111

Ion Ratio Lower Upper

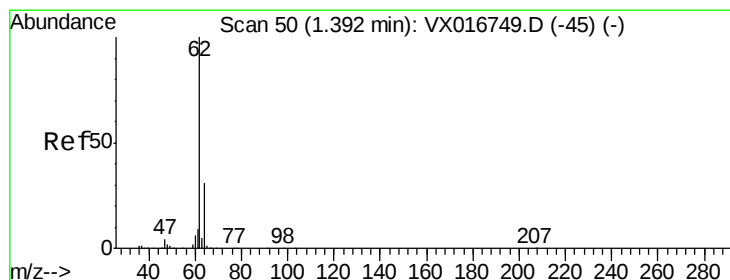
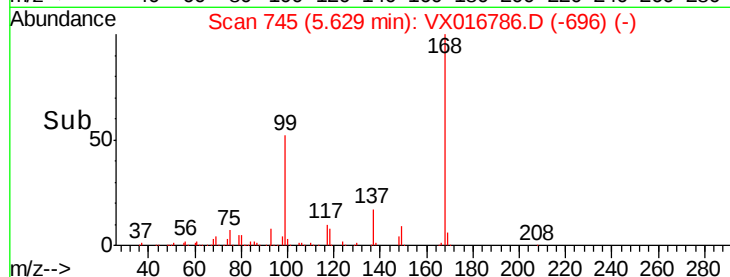
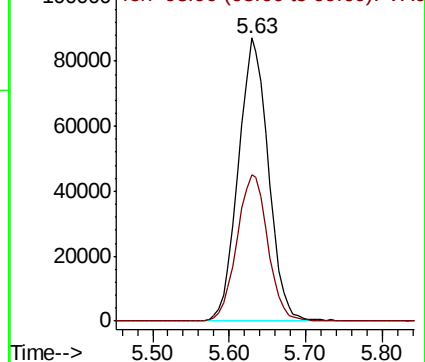
168 100

99 51.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 4.576 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016786.D

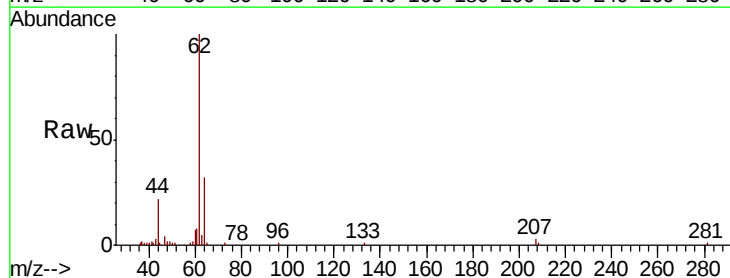
Acq: 16 Jun 2020 17:45

Tgt Ion: 62 Resp: 12637

Ion Ratio Lower Upper

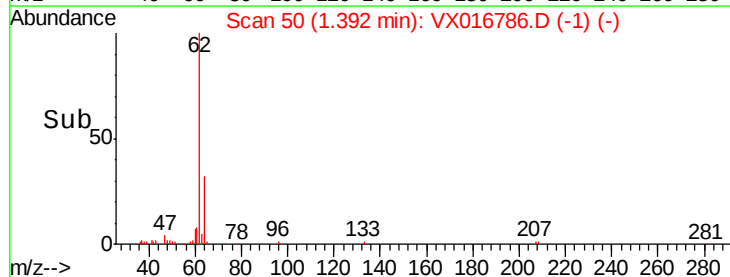
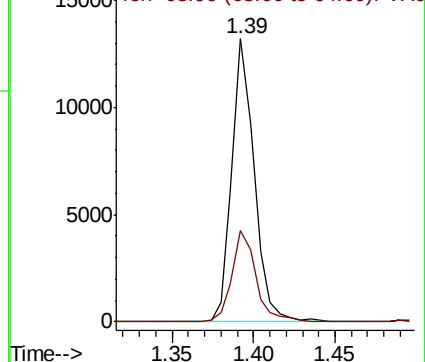
62 100

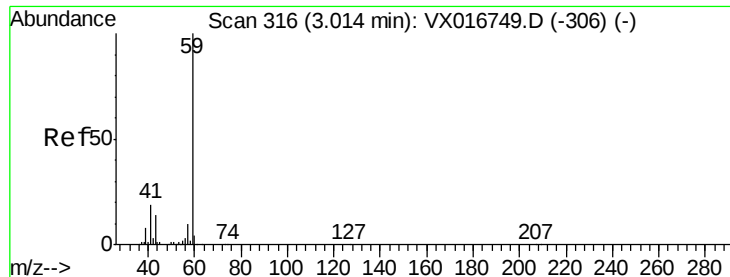
64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



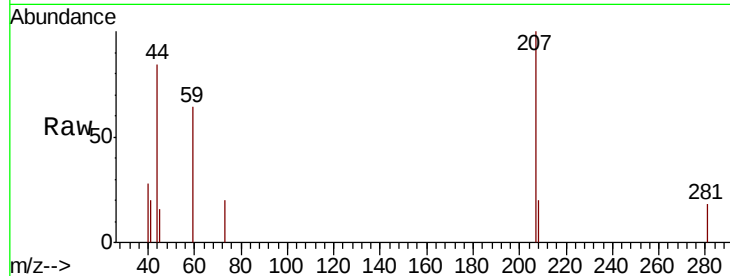


#11

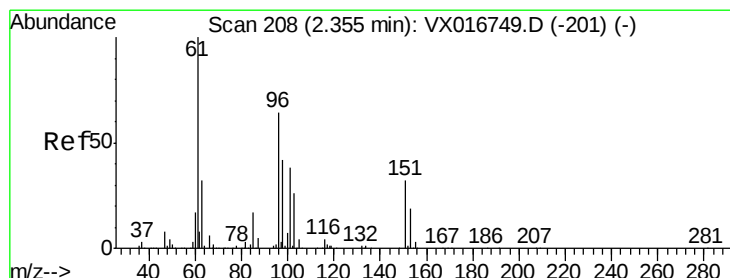
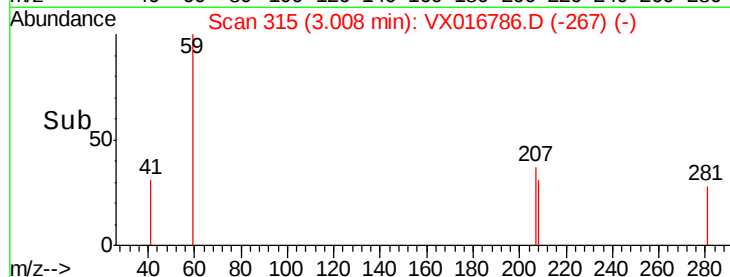
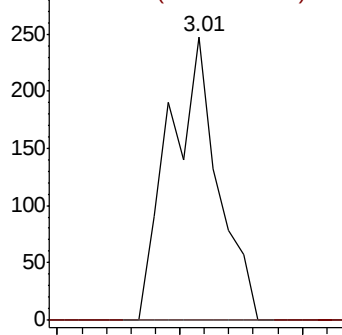
Tert butyl alcohol
 Concen: 0.510 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Instrument :
 MSVOA_X
 ClientSampled :
 S49-0568

Tot Ion: 59 Resp: 342
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



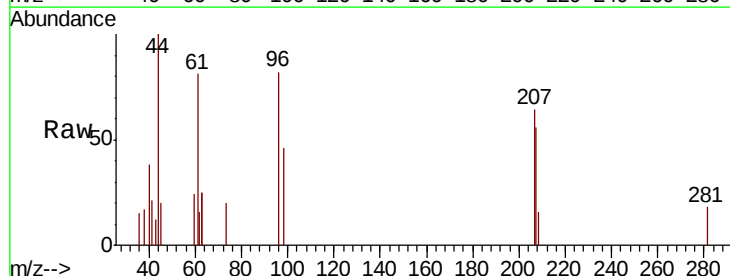
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



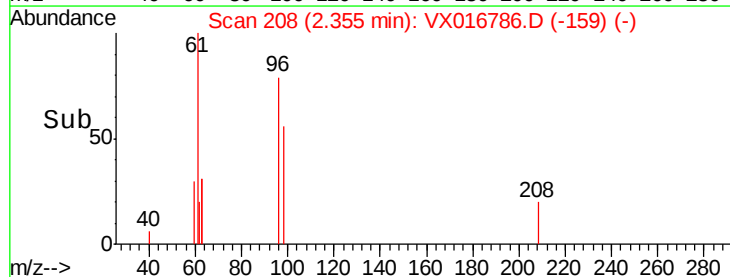
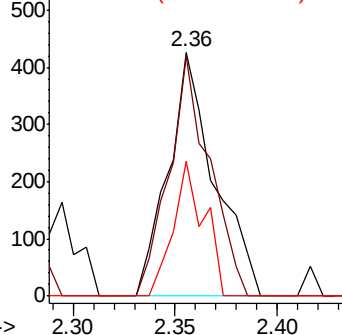
#12

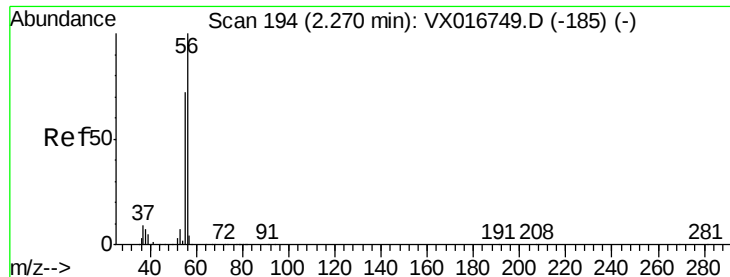
1,1-Dichloroethene
 Concen: 0.290 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Tgt Ion: 96 Resp: 673
 Ion Ratio Lower Upper
 96 100
 61 98.4 124.1 186.1#
 98 55.4 52.7 79.1



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





#13

Acrolein

Concen: 3.157 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

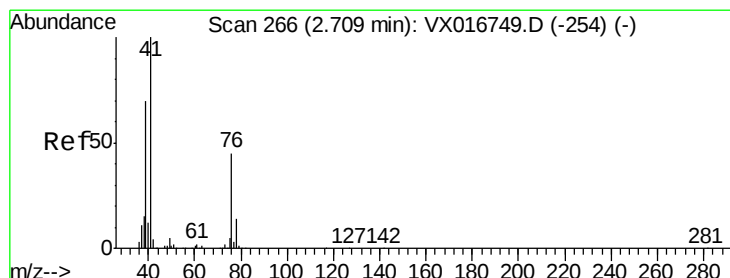
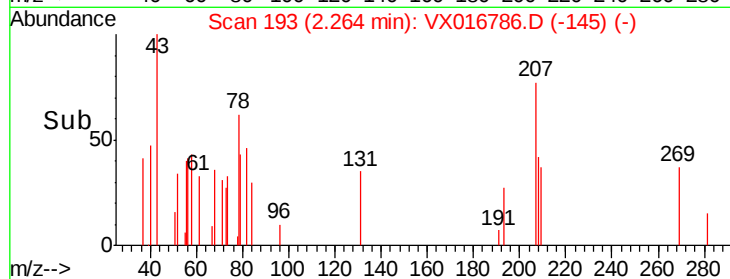
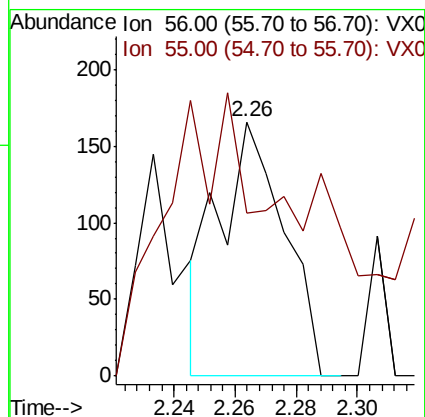
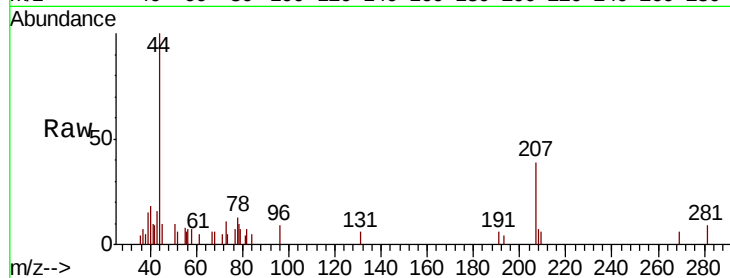
S49-0568

Tot Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 62.4 58.2 87.4



#14

Allyl chloride

Concen: 1.000 ug/l

RT: 2.57 min Scan# 244

Delta R.T. -0.13 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

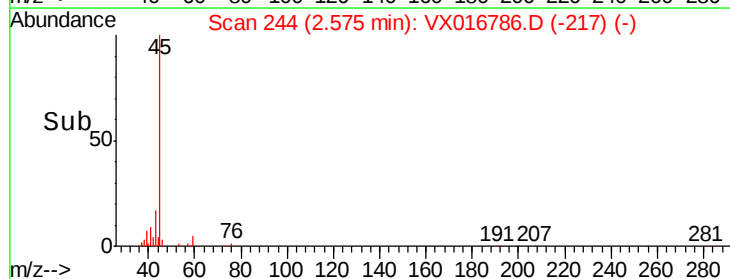
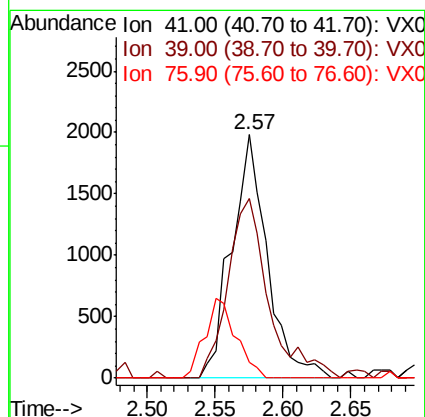
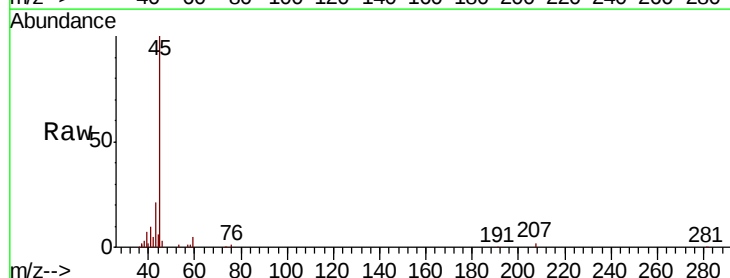
Tgt Ion: 41 Resp: 3626

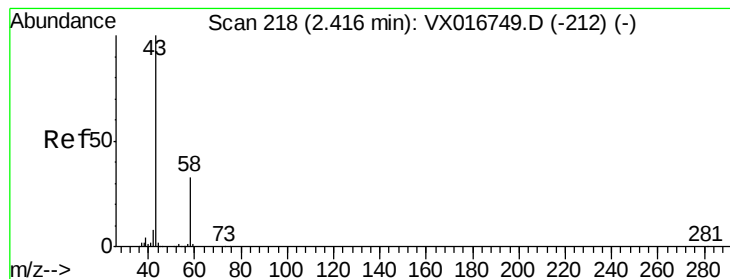
Ion Ratio Lower Upper

41 100

39 83.9 50.2 75.4#

76 0.0 30.4 45.6#





#16

Acetone

Concen: 1.650 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

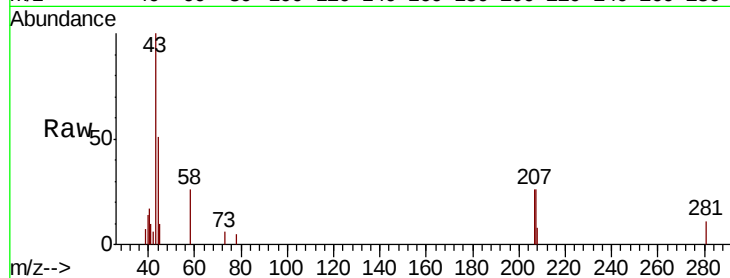
S49-0568

Tot Ion: 43 Resp: 1996

Ion Ratio Lower Upper

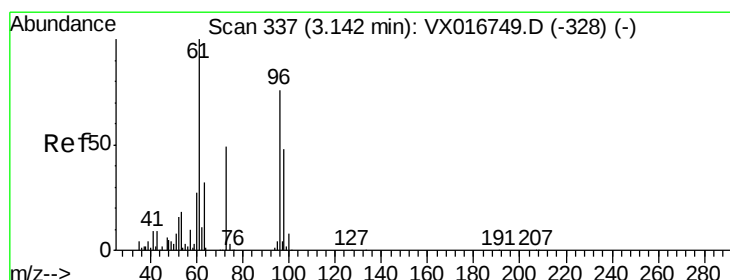
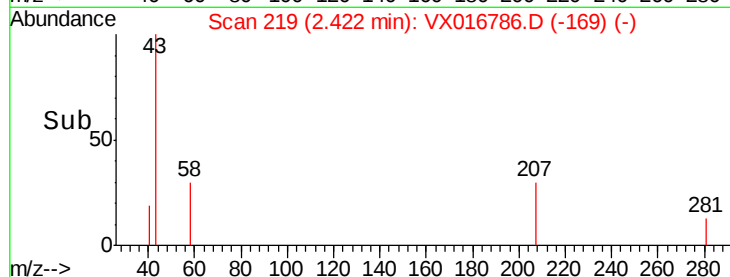
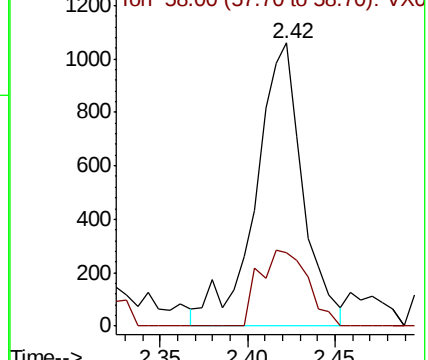
43 100

58 27.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 9.350 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

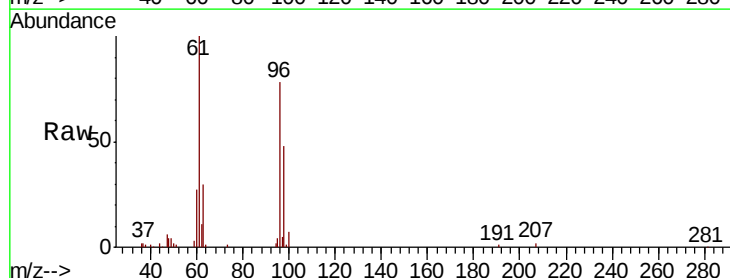
Tgt Ion: 96 Resp: 23285

Ion Ratio Lower Upper

96 100

61 128.7 105.4 158.2

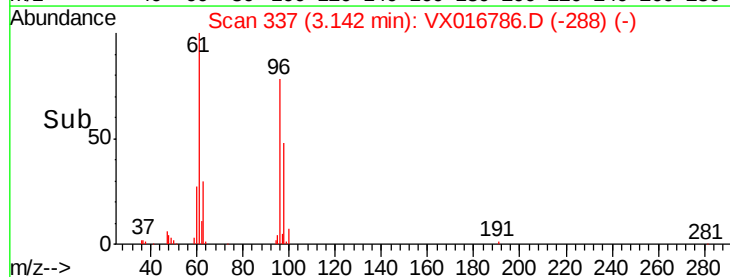
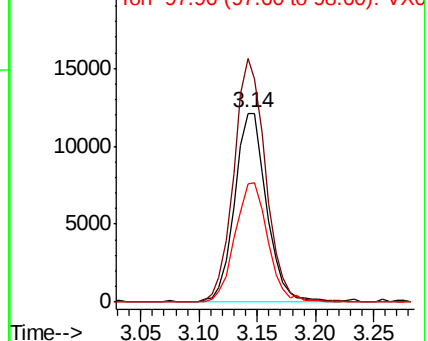
98 62.2 50.8 76.2

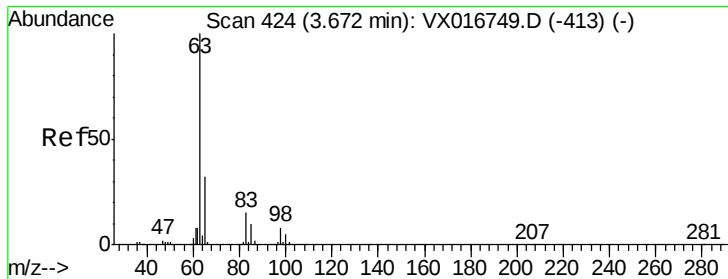


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.856 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

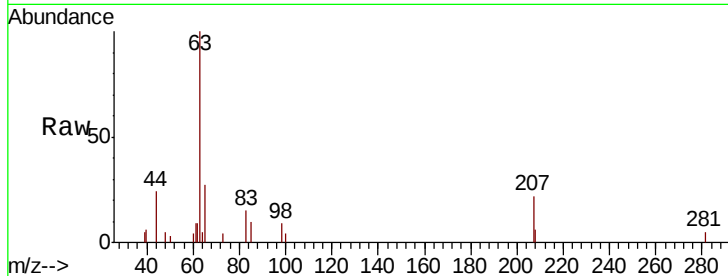
Instrument :

MSVOA_X

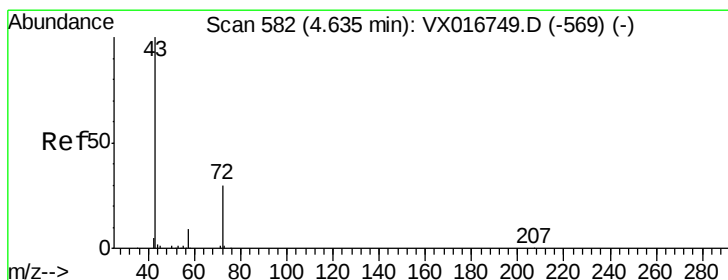
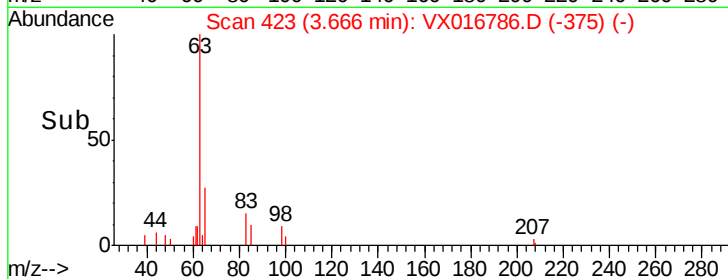
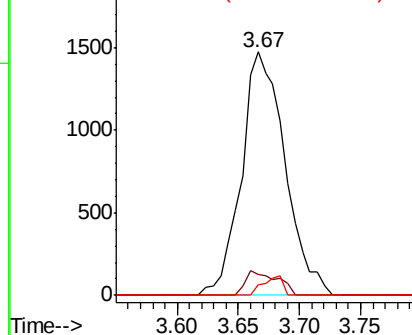
ClientSampleId :

S49-0568

Tot Ion:	63	Resp:	3646
Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.8	11.4
100	4.3	2.3	6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.299 ug/l

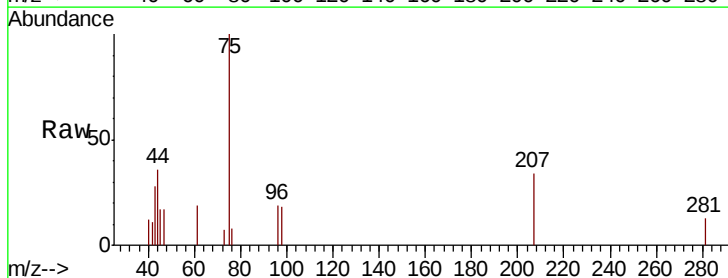
RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

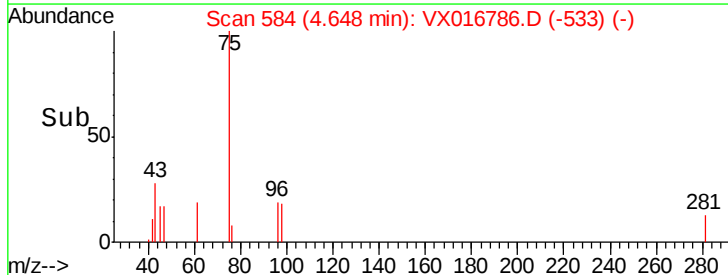
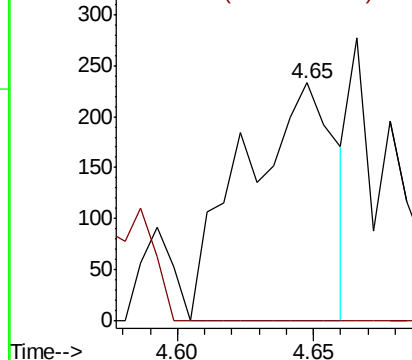
Lab File: VX016786.D

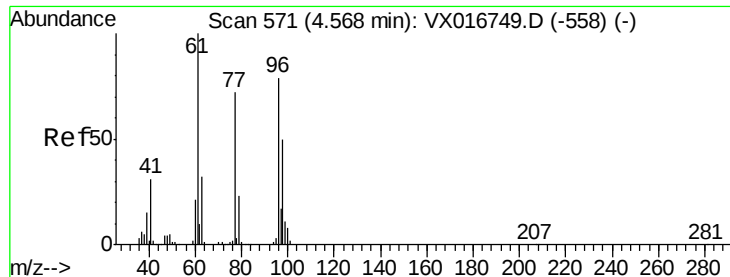
Acq: 16 Jun 2020 17:45

Tgt Ion:	43	Resp:	545
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



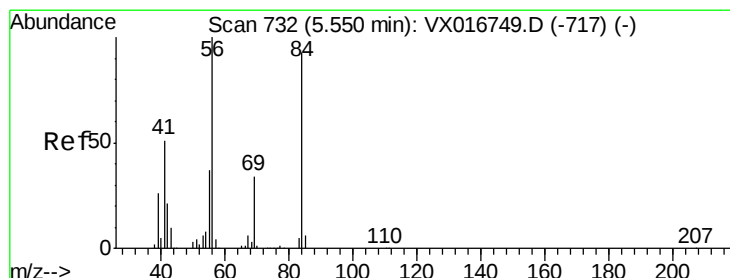
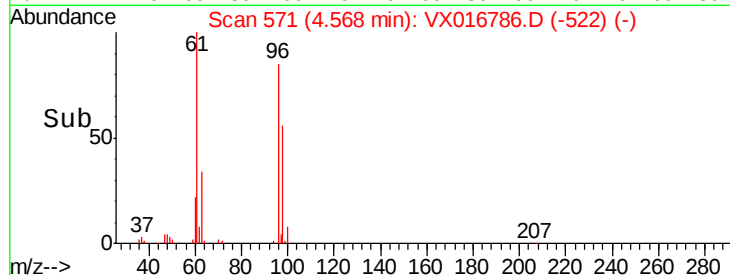
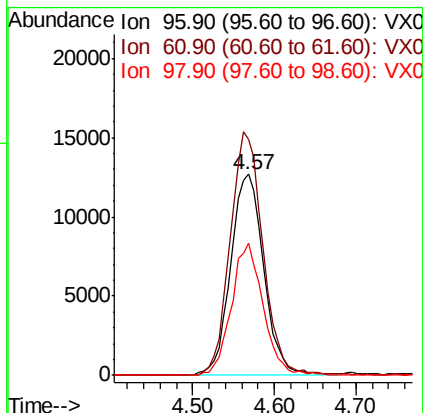
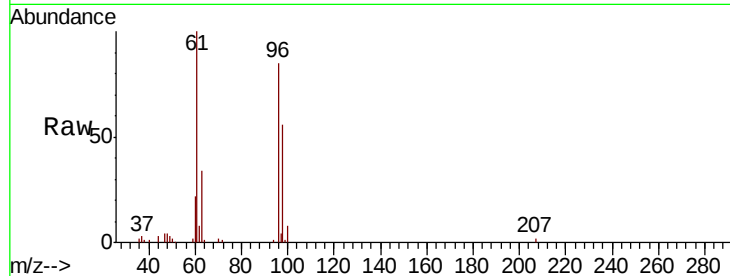


#27

cis-1,2-Dichloroethene
 Concen: 12.522 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Instrument :
 MSVOA_X
 ClientSampled :
 S49-0568

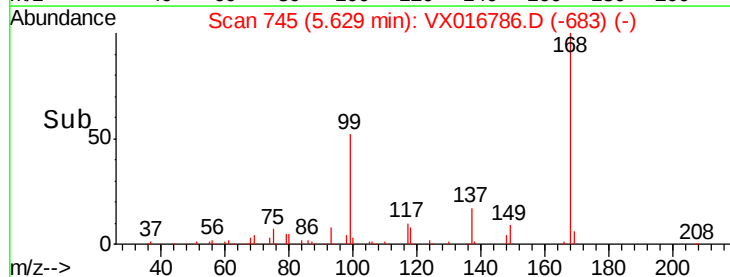
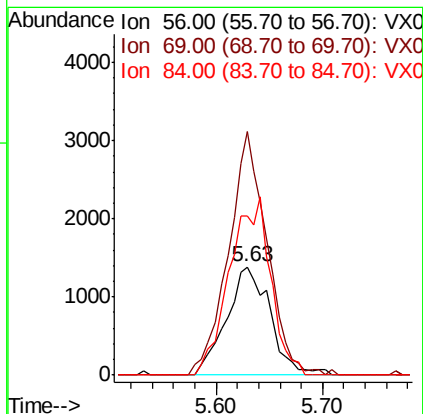
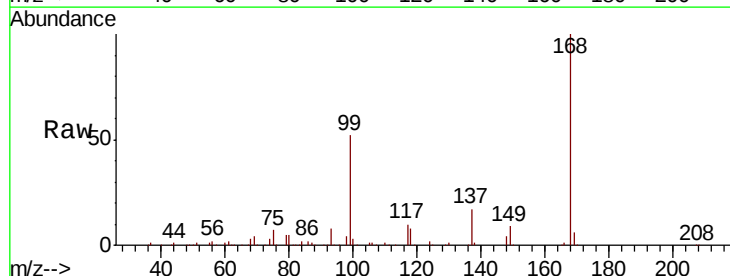
Tot Ion	96	Resp	35642
Ion Ratio	Lower	Upper	
96	100		
61	119.4	0.0	276.2
98	62.8	0.0	130.0

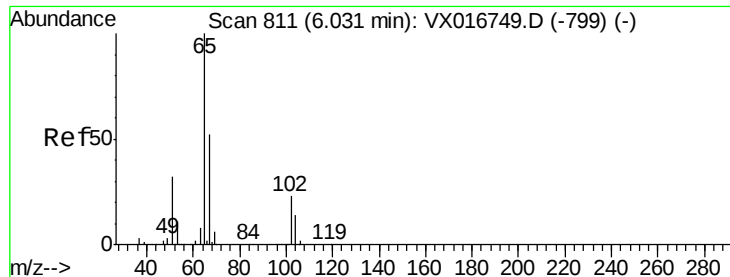


#31

Cyclohexane
 Concen: 1.836 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Tgt Ion	56	Resp	3969
Ion Ratio	Lower	Upper	
56	100		
69	225.5	27.1	40.7#
84	147.5	74.0	111.0#

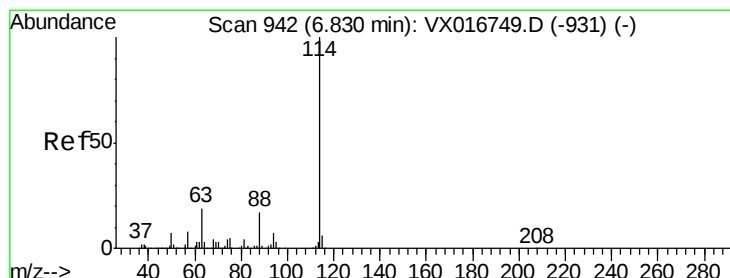
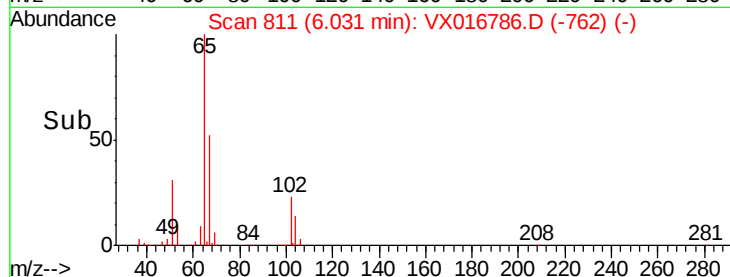
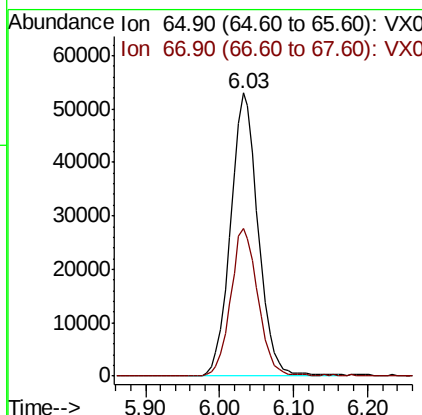
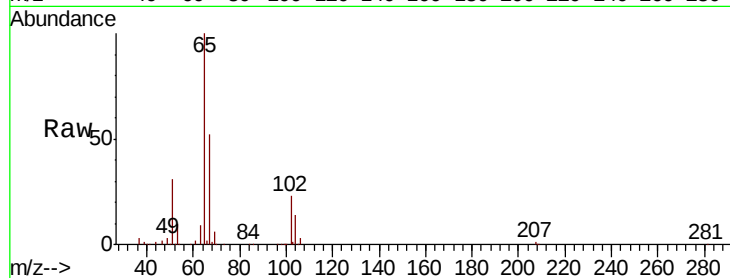




#33
 1,2-Dichloroethane-d4
 Concen: 51.477 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

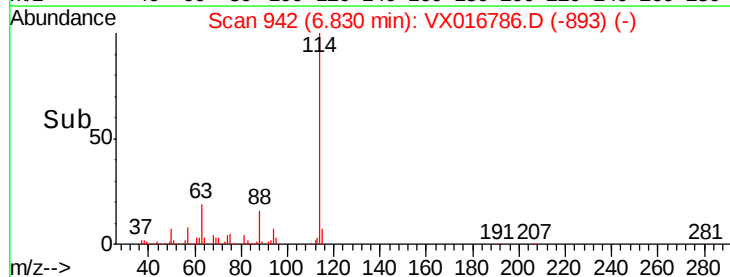
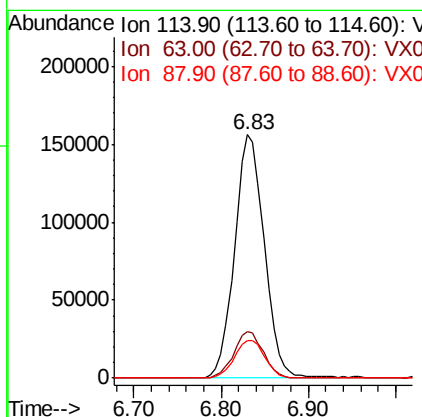
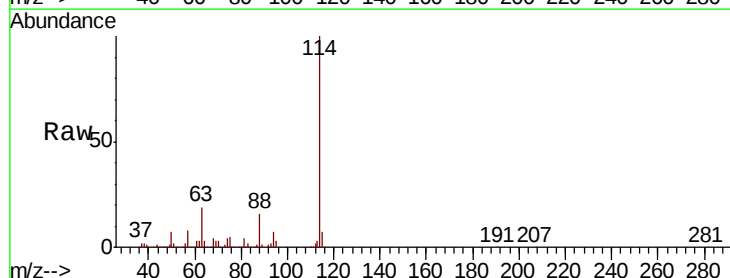
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0568

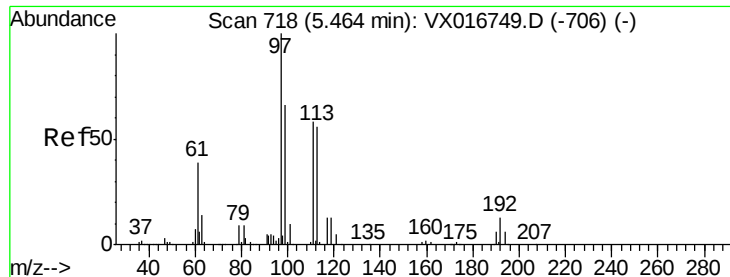
Tot Ion: 65 Resp: 137289
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Tgt Ion: 114 Resp: 369380
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.563 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampled :

S49-0568

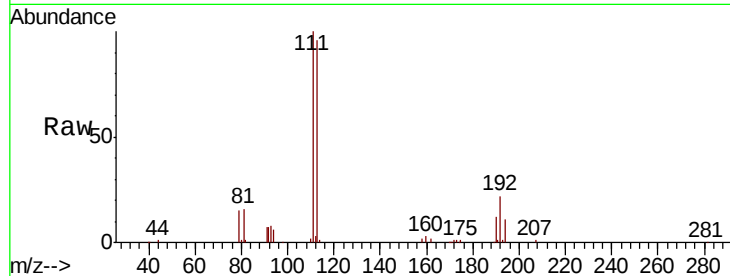
Tot Ion:113 Resp: 115234

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

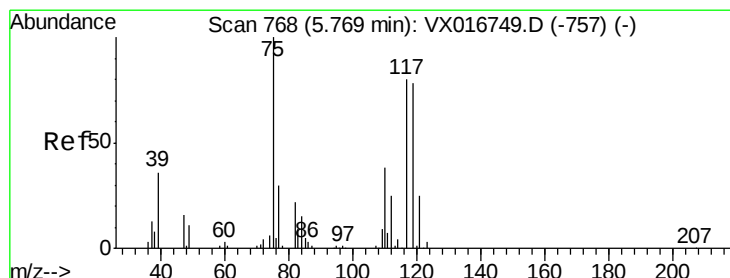
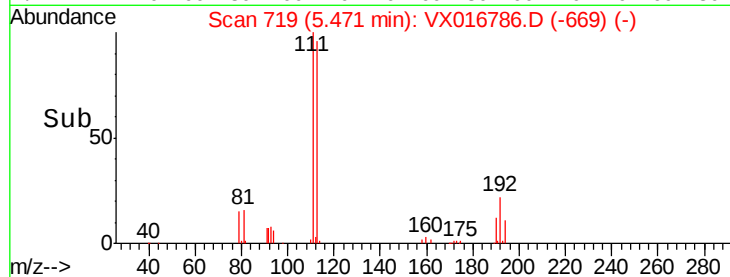
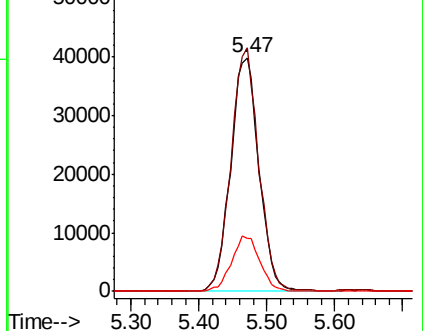
192 23.5 18.2 27.4



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: 4.770 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

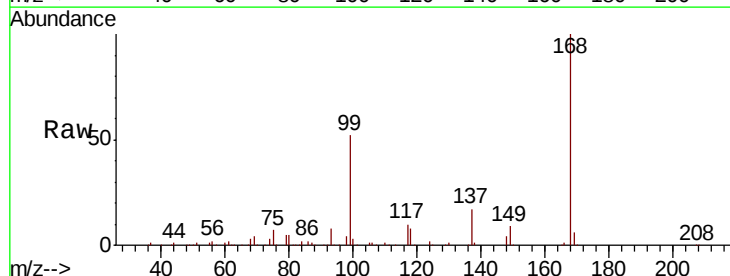
Tgt Ion: 75 Resp: 15572

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

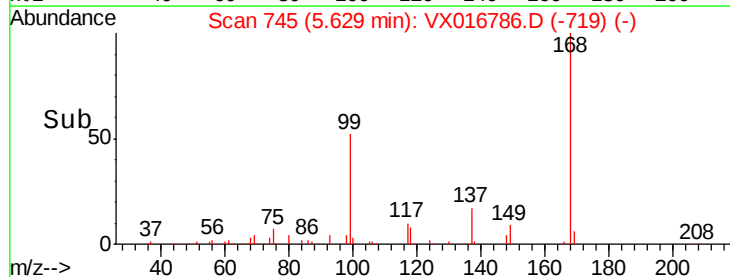
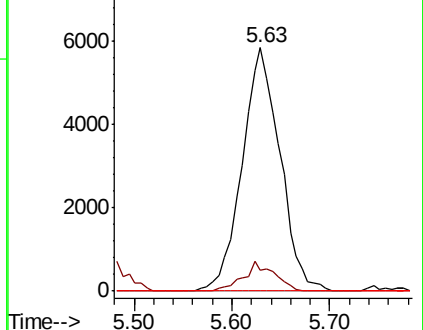
77 0.0 24.7 37.1#

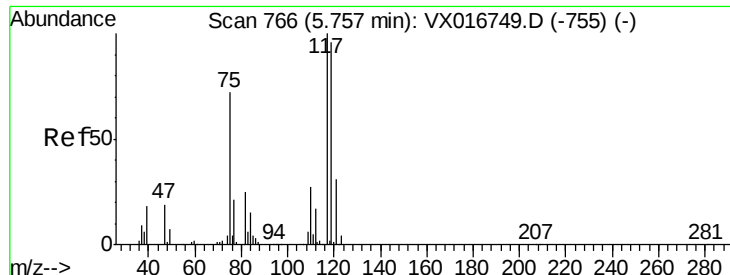


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

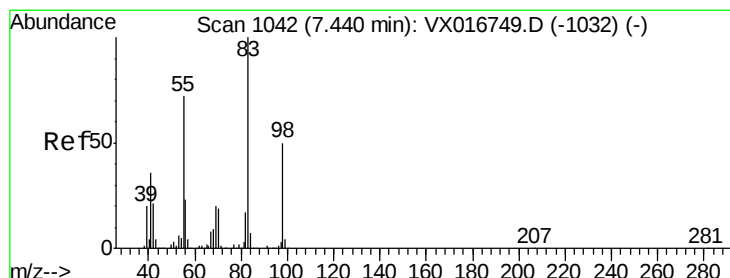
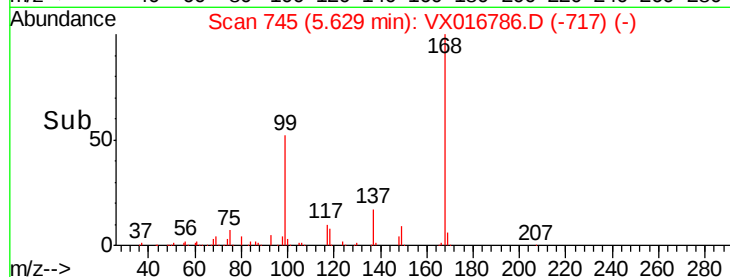
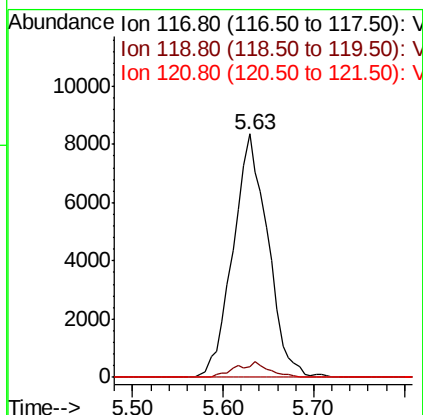
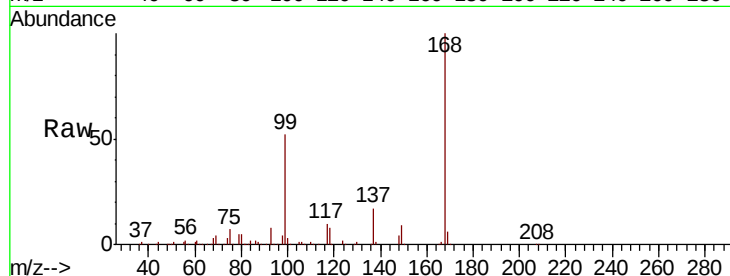




#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016786.D
Acq: 16 Jun 2020 17:45

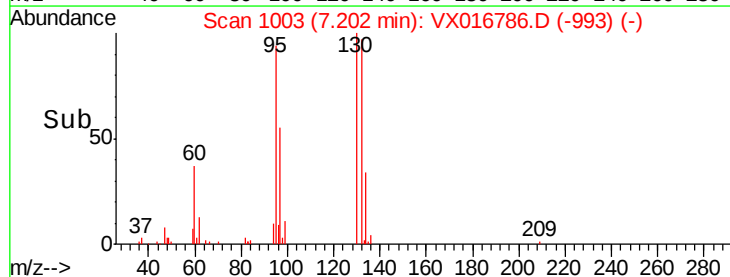
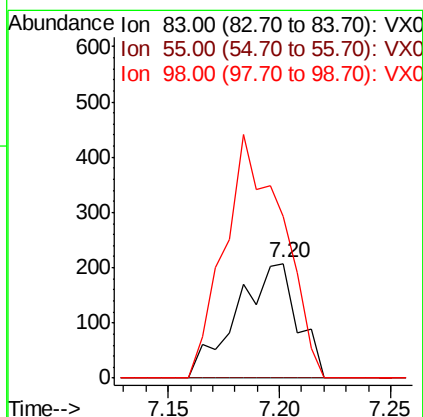
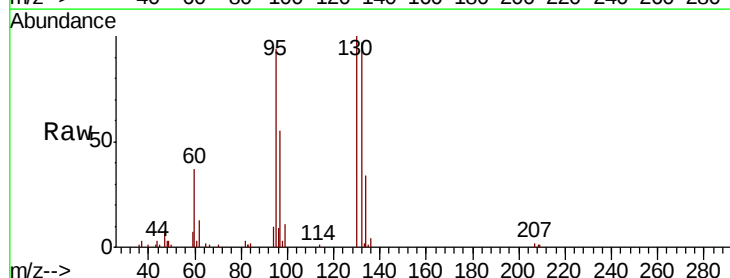
Instrument :
MSVOA_X
ClientSampled :
S49-0568

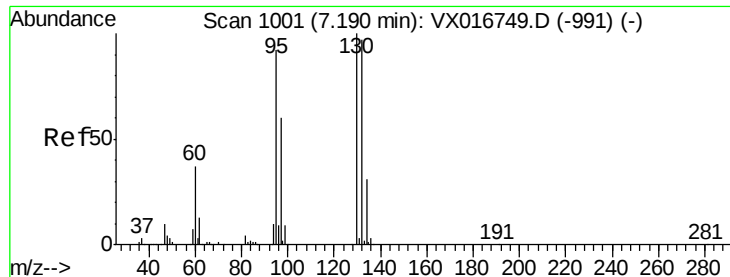
Tot Ion:117 Resp: 22209
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.056 ug/l
RT: 7.20 min Scan# 1003
Delta R.T. -0.24 min
Lab File: VX016786.D
Acq: 16 Jun 2020 17:45

Tgt Ion: 83 Resp: 396
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 140.4 40.3 60.5#

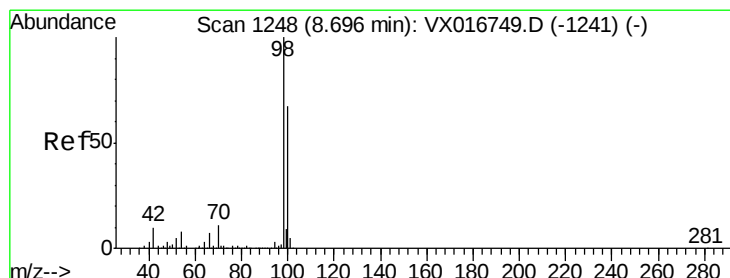
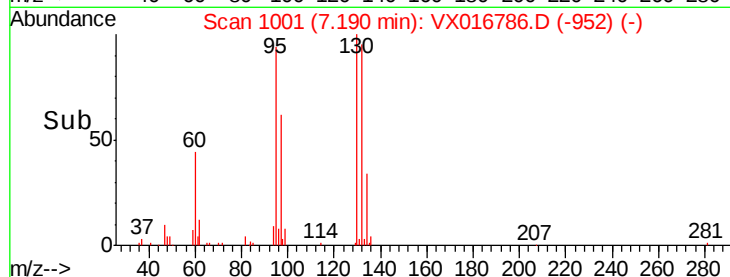
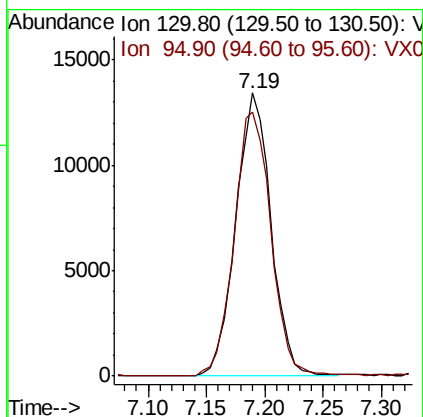
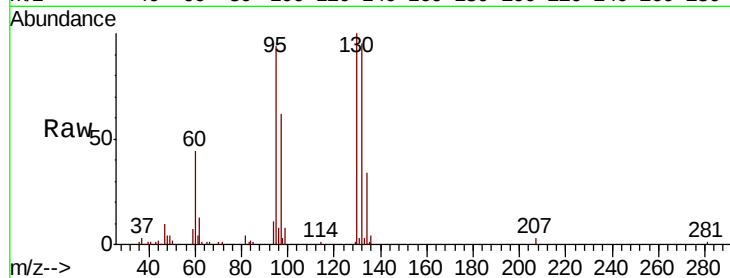




#44
 Trichloroethene
 Concen: 9.230 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

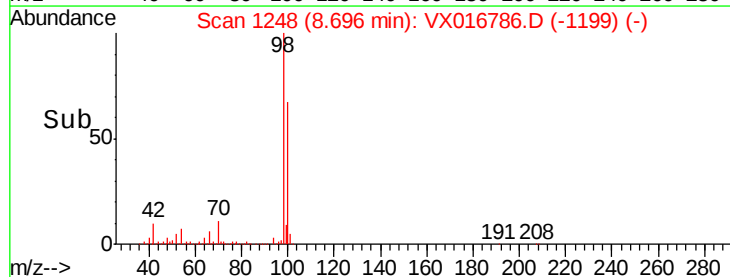
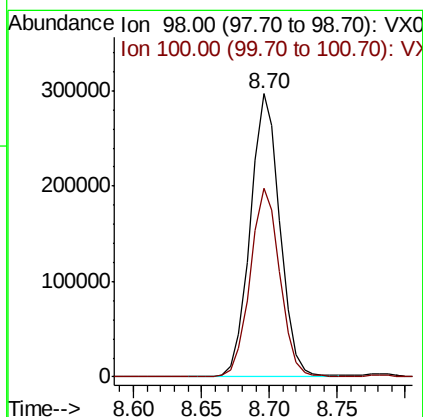
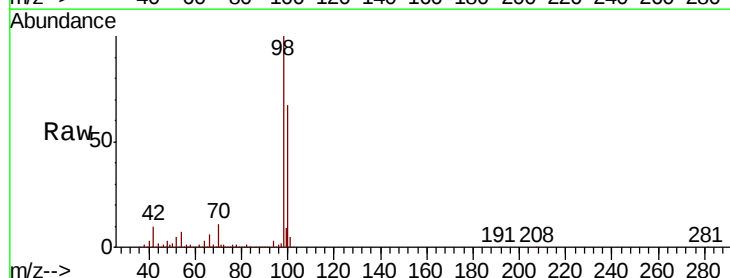
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0568

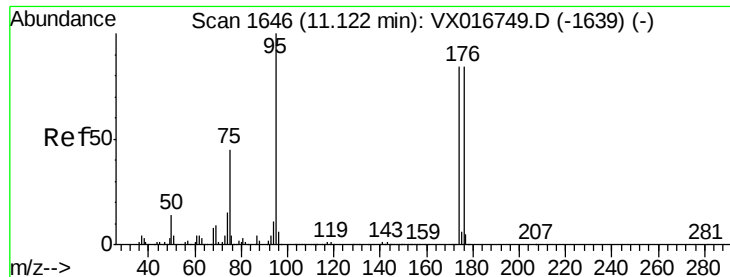
Tot Ion:130 Resp: 28377
 Ion Ratio Lower Upper
 130 100
 95 93.5 0.0 183.6



#50
 Toluene-d8
 Concen: 53.971 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Tgt Ion: 98 Resp: 453536
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.9 80.9





#62

4-Bromofluorobenzene

Concen: 58.153 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

S49-0568

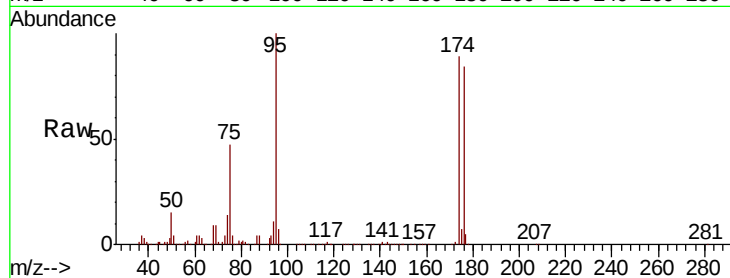
Tot Ion: 95 Resp: 186920

Ion Ratio Lower Upper

95 100

174 87.6 0.0 171.0

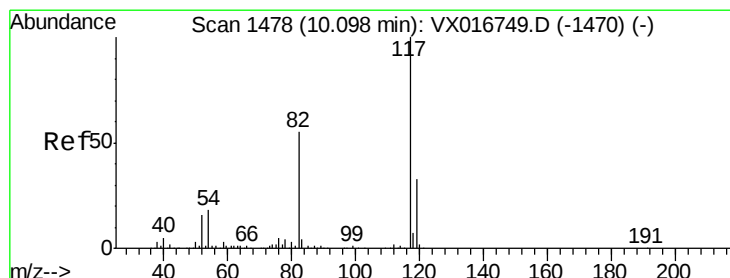
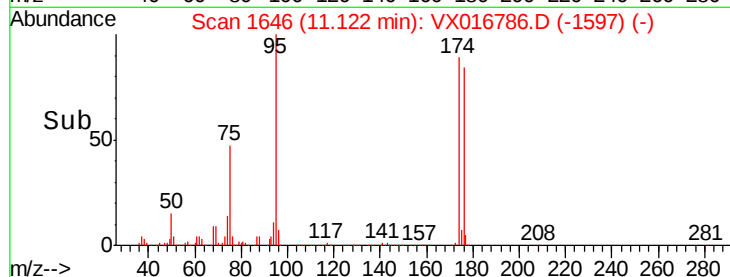
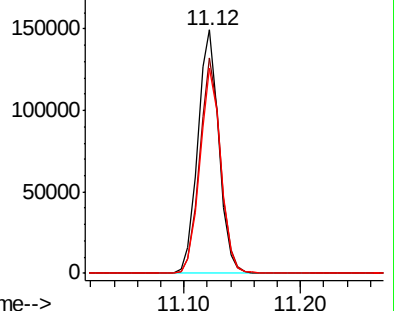
176 84.2 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016749.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016749.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016749.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

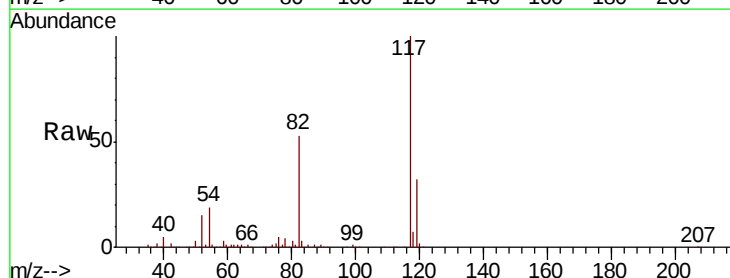
Tgt Ion: 117 Resp: 380119

Ion Ratio Lower Upper

117 100

82 52.7 43.8 65.6

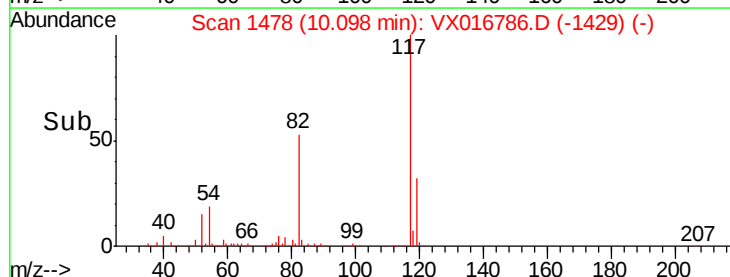
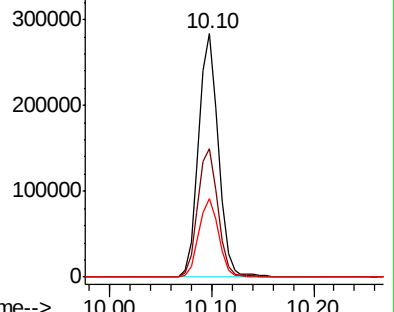
119 32.0 26.2 39.4

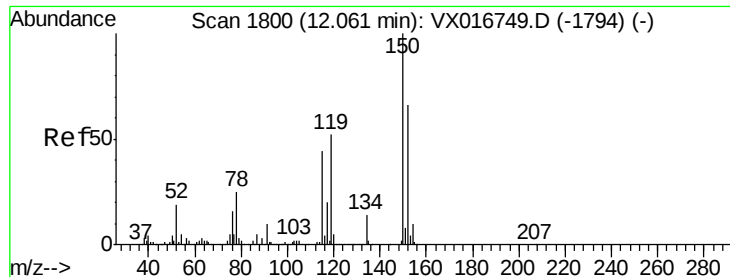


Abundance Ion 116.90 (116.60 to 117.60): VX016749.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016749.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016749.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016786.D

Acq: 16 Jun 2020 17:45

Instrument :

MSVOA_X

ClientSampleId :

S49-0568

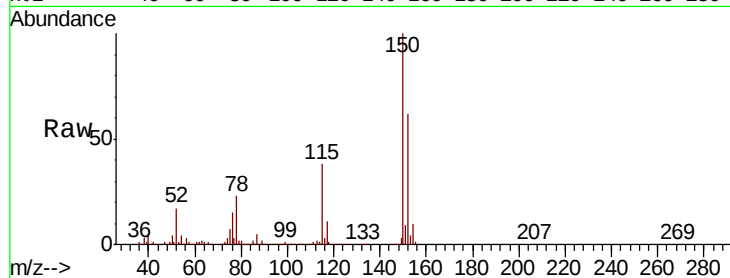
Tot Ion:152 Resp: 196979

Ion Ratio Lower Upper

152 100

115 57.5 40.3 120.8

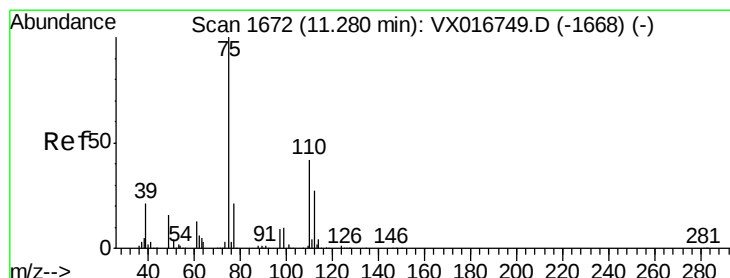
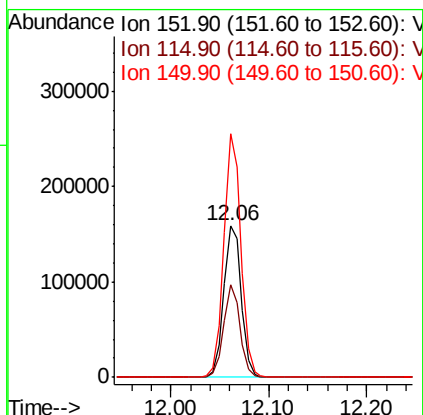
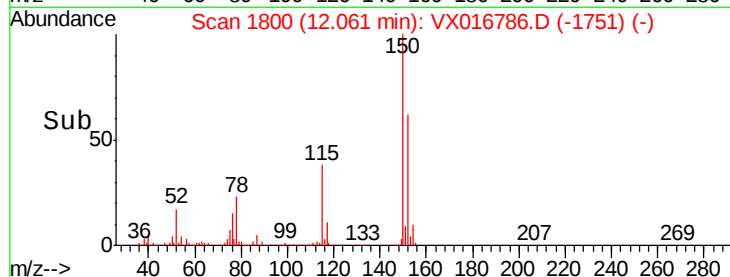
150 155.7 0.0 337.4



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: 21.535 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016786.D

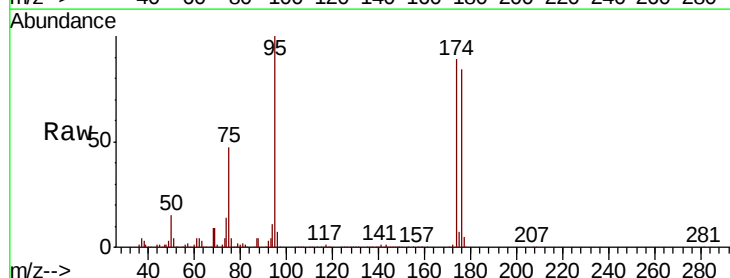
Acq: 16 Jun 2020 17:45

Tgt Ion: 75 Resp: 89207

Ion Ratio Lower Upper

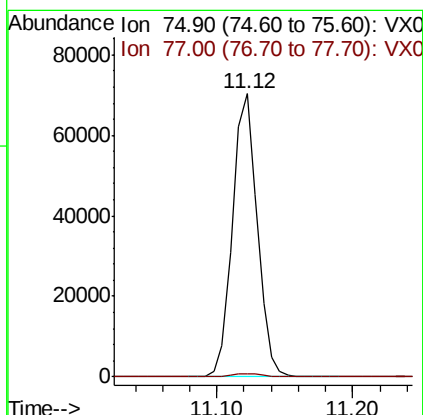
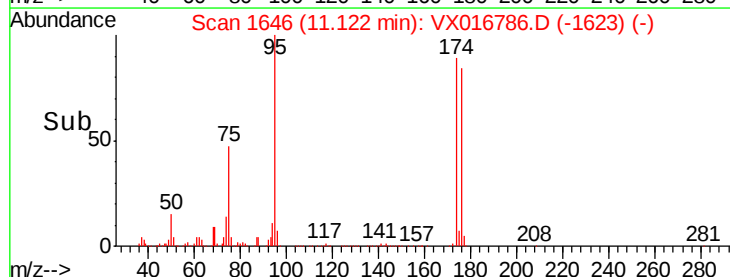
75 100

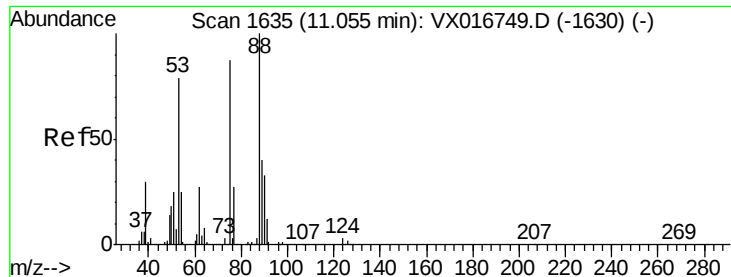
77 1.3 20.3 60.9#



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: 54.214 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX016786.D
 Acq: 16 Jun 2020 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0568

Tot Ion: 75 Resp: 89207
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.0#
 89 0.0 39.1 58.7#

