

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006776.D
 Acq On : 22 Dec 2018 17:03
 Operator : JC/MD
 Sample : J6514-04DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0499DL2

Quant Time: Dec 24 04:26:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	623403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	977727	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	884587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	413466	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	338311	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.50	113	290438	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.71	98	1146943	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.13	95	404262	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

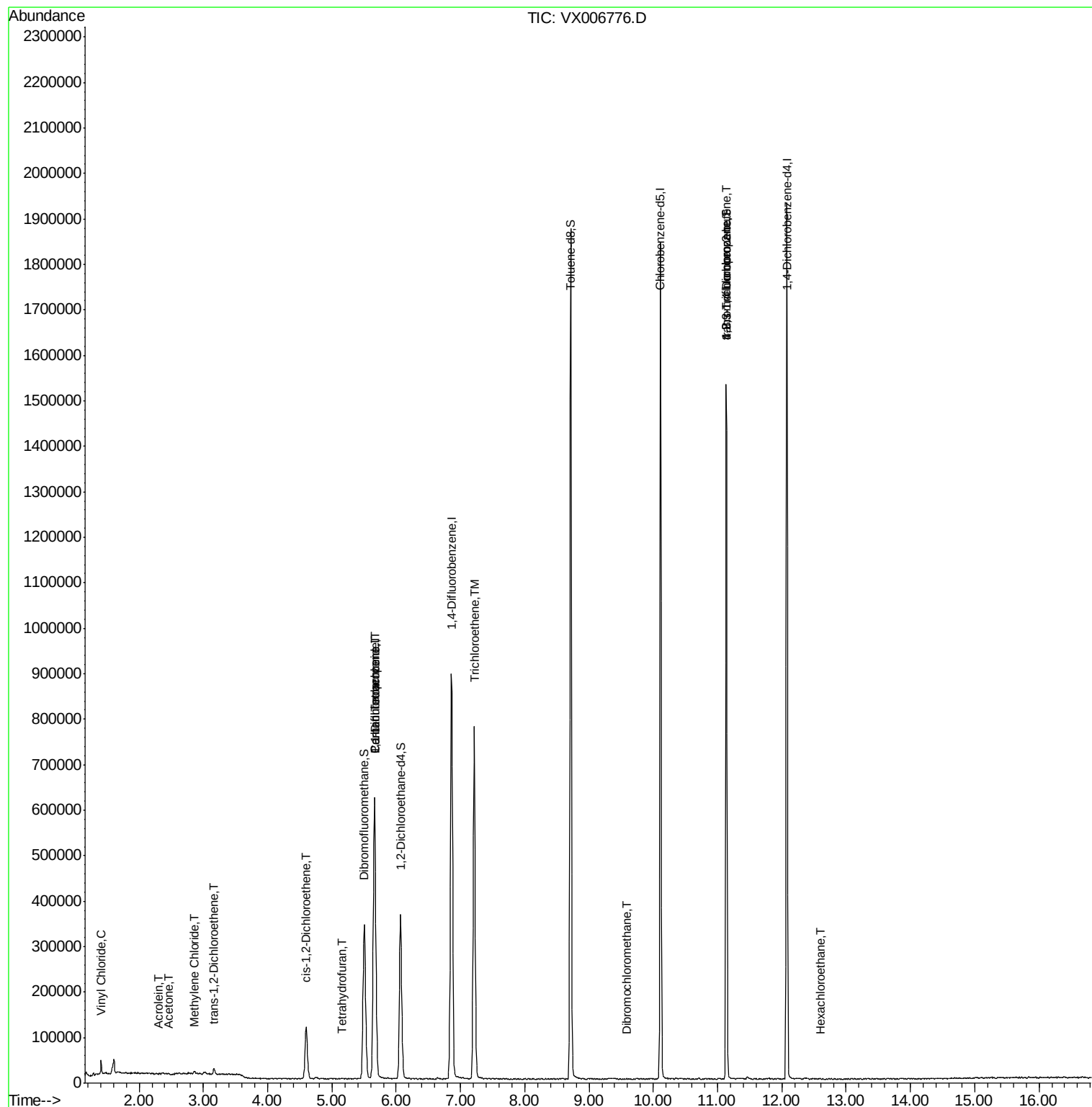
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	17460	2.721	ug/l	97
5) Bromomethane	1.65	94	838	Below Cal	#	33
13) Acrolein	2.30	56	253	0.250	ug/l #	13
16) Acetone	2.45	43	1228	0.398	ug/l #	43
20) Methylene Chloride	2.87	84	3082	0.483	ug/l #	70
21) trans-1,2-Dichloroethene	3.17	96	5994	0.971	ug/l	85
27) cis-1,2-Dichloroethene	4.60	96	76995	11.308	ug/l	91
28) Bromochloromethane	4.99	49	302	Below Cal	#	19
29) Tetrahydrofuran	5.17	42	644	0.225	ug/l #	63
36) 1,1-Dichloropropene	5.67	75	41174	5.085	ug/l #	49
38) Carbon Tetrachloride	5.66	117	57917	7.359	ug/l #	15
44) Trichloroethene	7.21	130	304734	40.903	ug/l	98
49) 1,4-Dioxane	7.76	88	60	Below Cal	#	1
60) Dibromochloromethane	9.58	129	26	2.328	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	189751	24.695	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	189751	73.023	ug/l #	10
90) Hexachloroethane	12.60	117	20	3.298	ug/l #	6

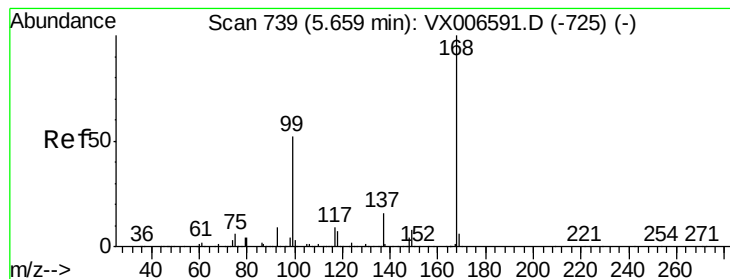
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

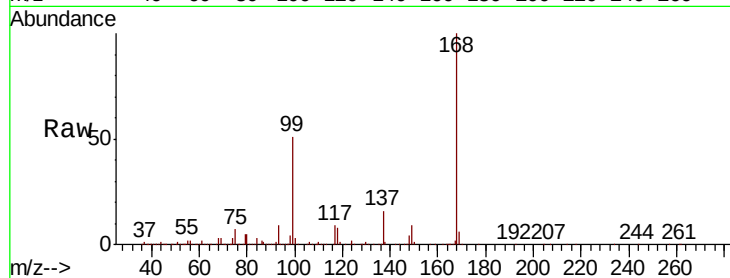
S49-0499DL2

Tot Ion:168 Resp: 623403

Ion Ratio Lower Upper

168 100

99 51.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

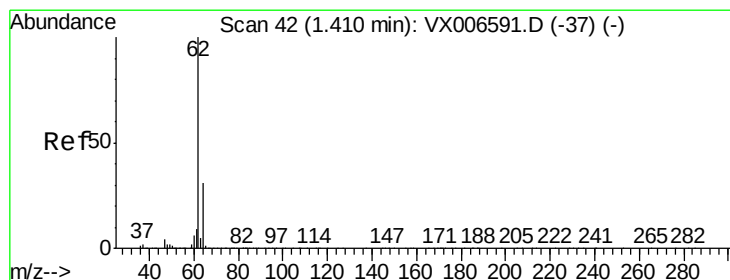
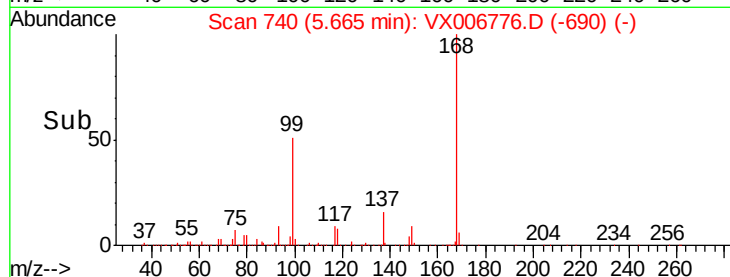
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 2.721 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006776.D

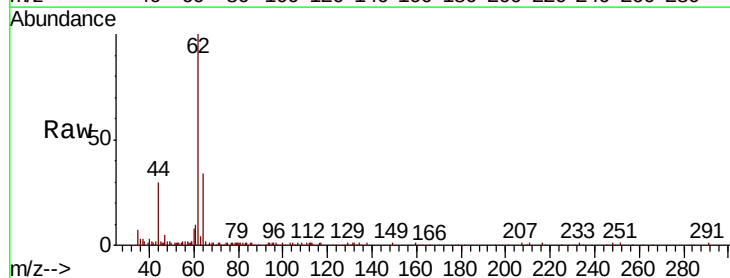
Acq: 22 Dec 2018 17:03

Tgt Ion: 62 Resp: 17460

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

20000

15000

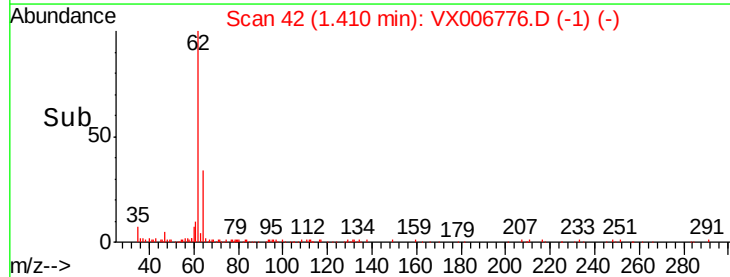
10000

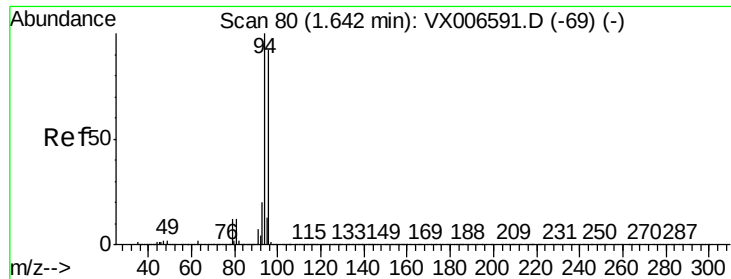
5000

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

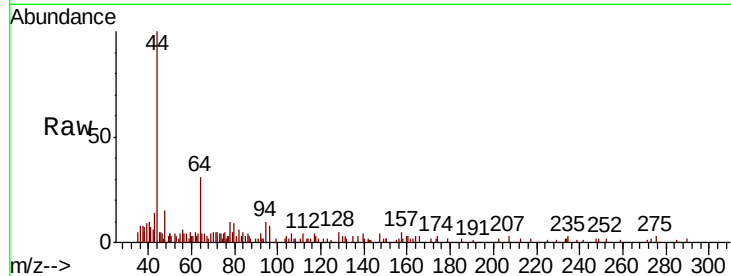
S49-0499DL2

Tot Ion: 94 Resp: 838

Ion Ratio Lower Upper

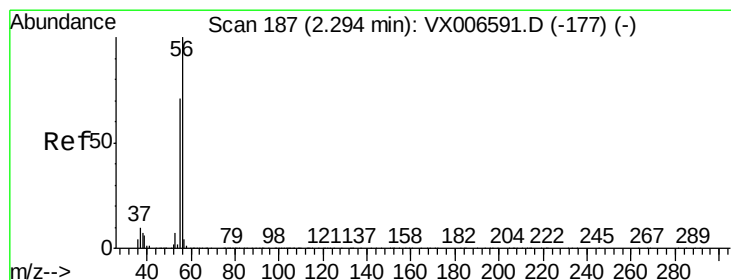
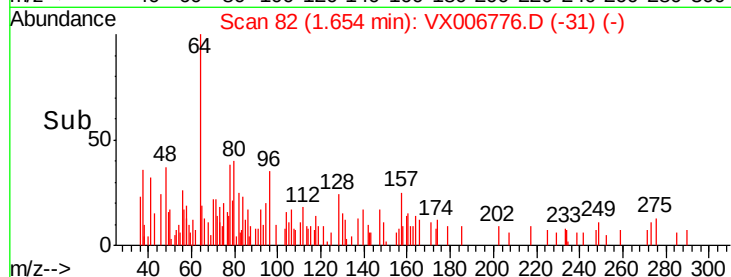
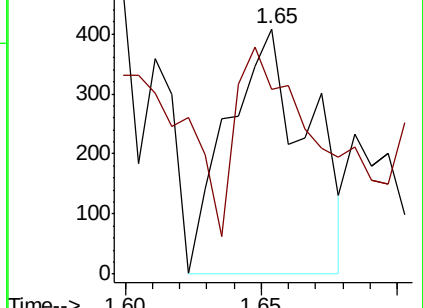
94 100

96 27.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.250 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006776.D

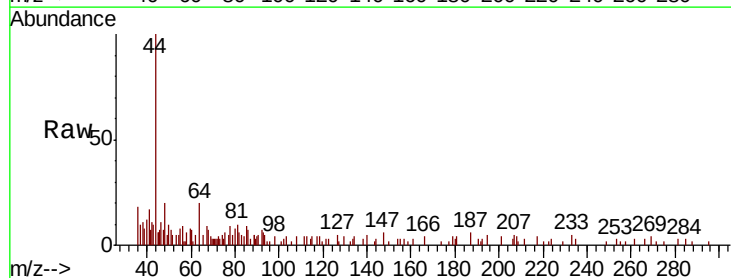
Acq: 22 Dec 2018 17:03

Tgt Ion: 56 Resp: 253

Ion Ratio Lower Upper

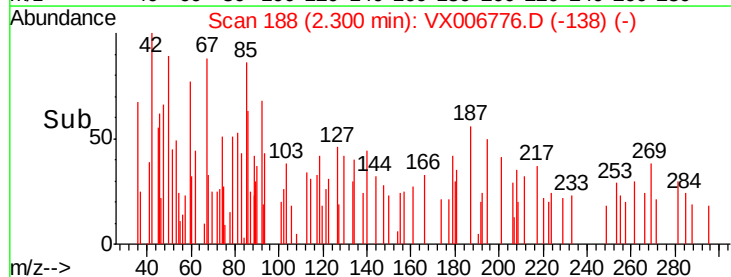
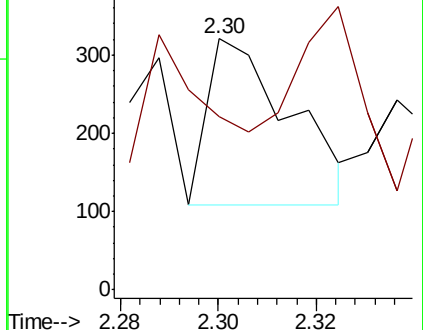
56 100

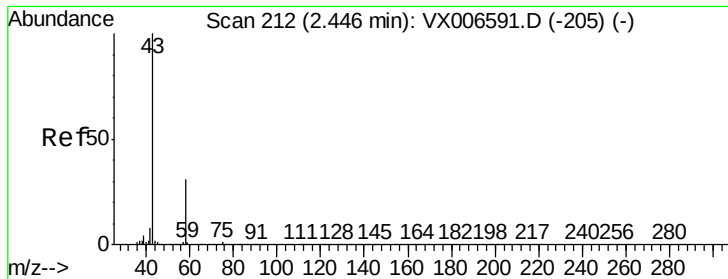
55 0.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

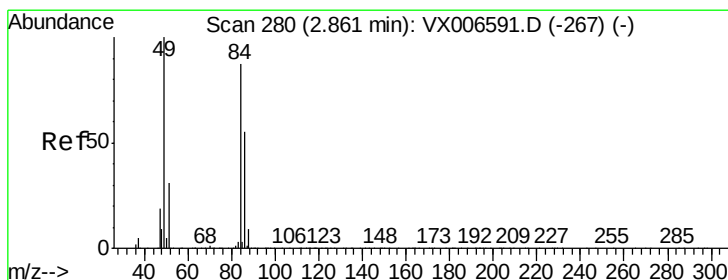
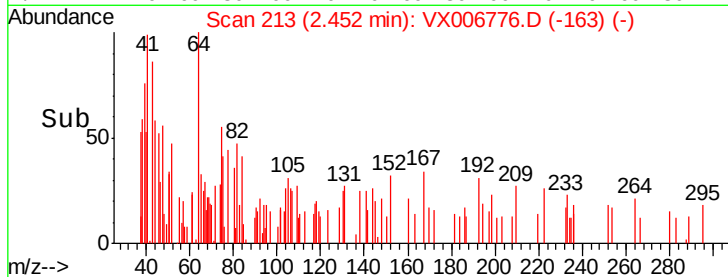
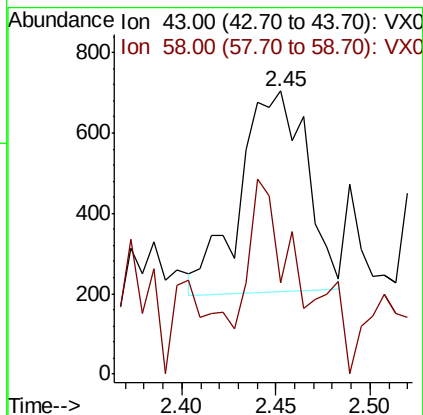
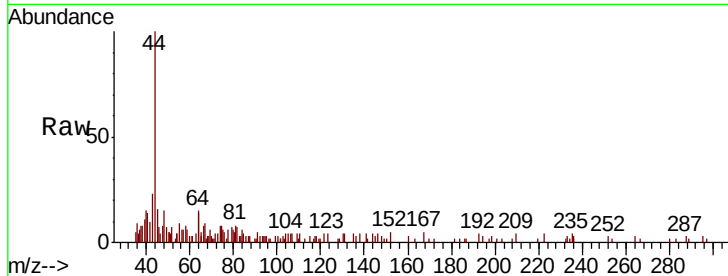




#16
Acetone
Concen: 0.398 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

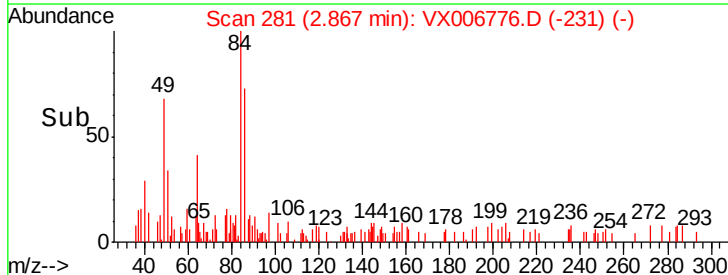
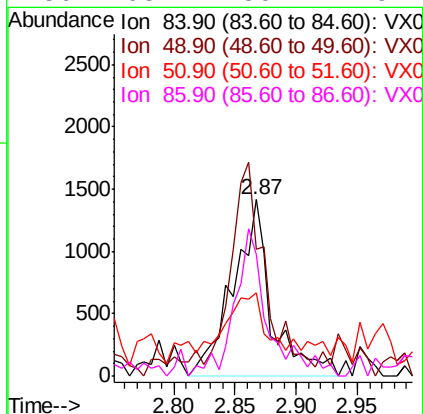
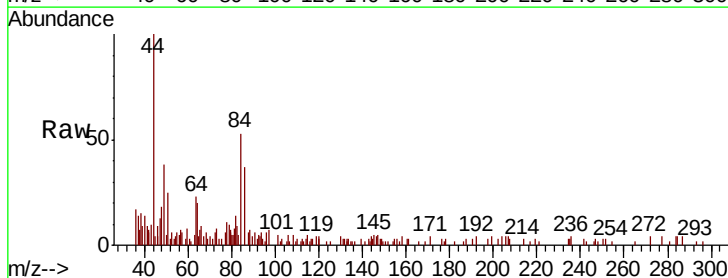
Instrument :
MSVOA_X
ClientSampleId :
S49-0499DL2

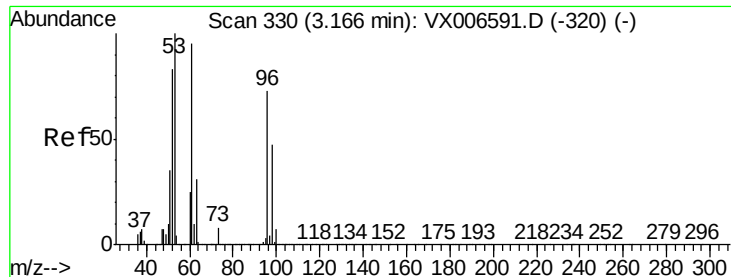
Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#



#20
Methylene Chloride
Concen: 0.483 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

Tgt Ion: 84 Resp: 3082
Ion Ratio Lower Upper
84 100
49 64.4 91.8 137.6#
51 27.7 28.5 42.7#
86 68.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 0.971 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0499DL2

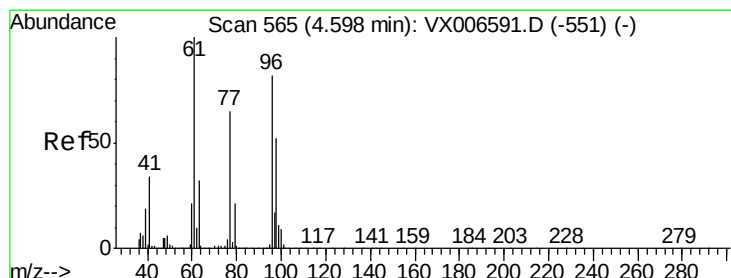
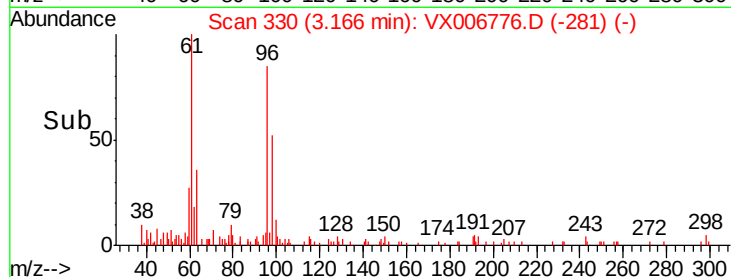
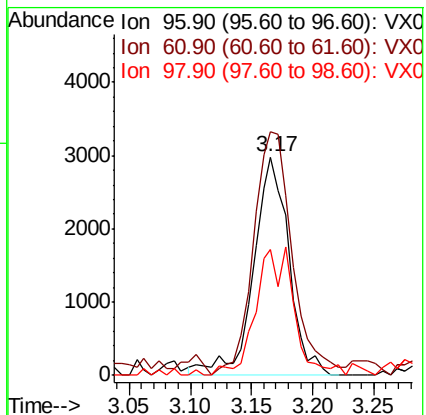
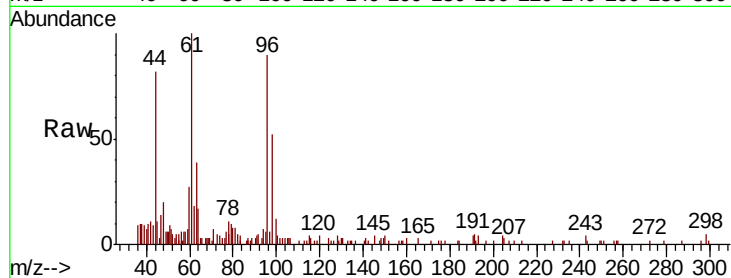
Tot Ion: 96 Resp: 5994

Ion Ratio Lower Upper

96 100

61 107.6 103.7 155.5

98 57.8 51.0 76.6



#27

cis-1,2-Dichloroethene

Concen: 11.308 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

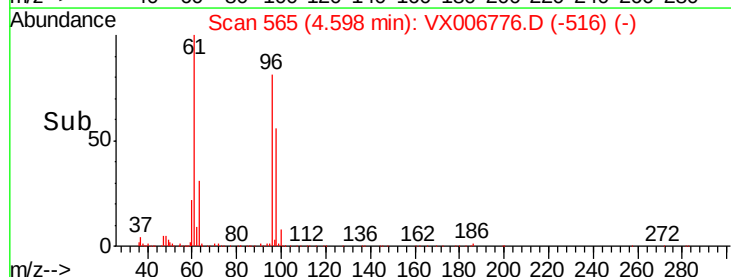
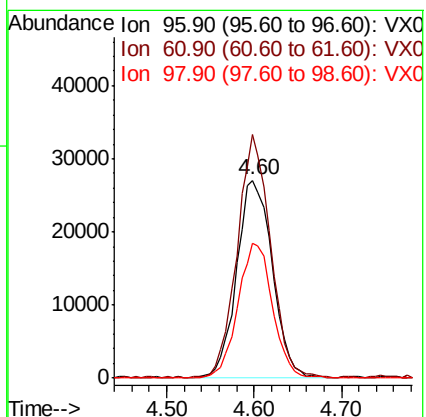
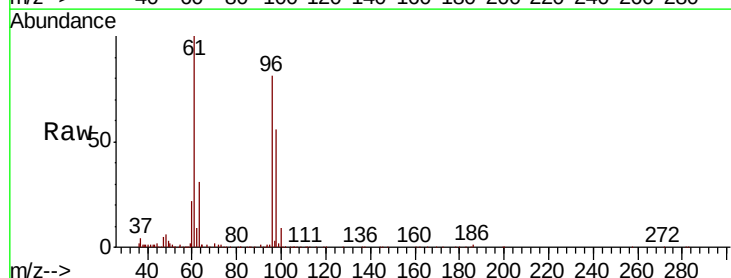
Tgt Ion: 96 Resp: 76995

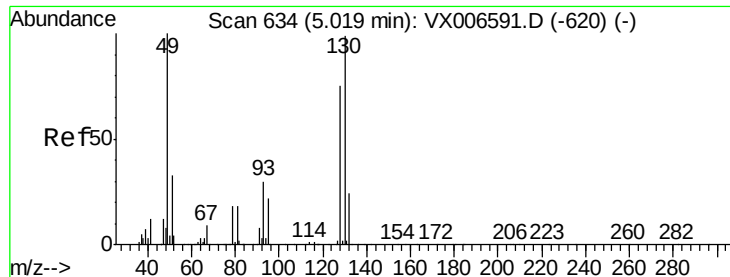
Ion Ratio Lower Upper

96 100

61 114.3 0.0 258.6

98 65.8 0.0 132.0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.03 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

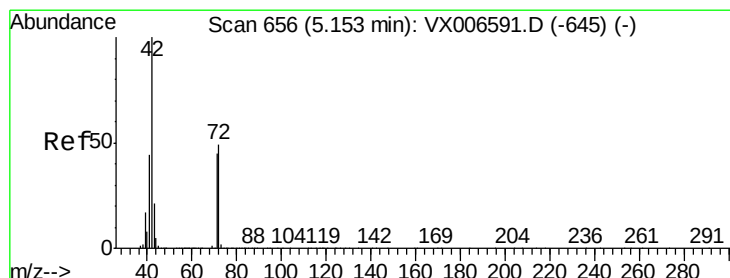
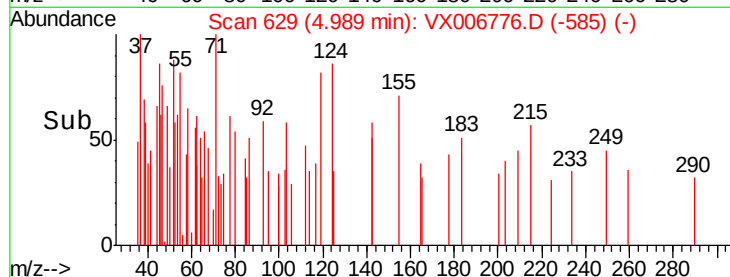
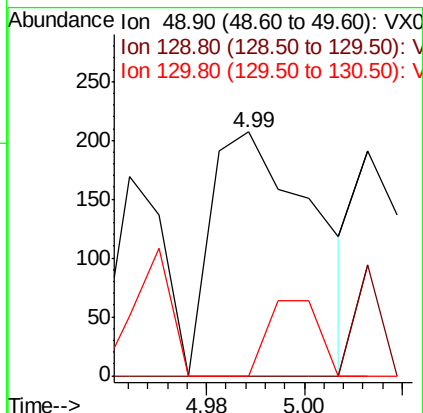
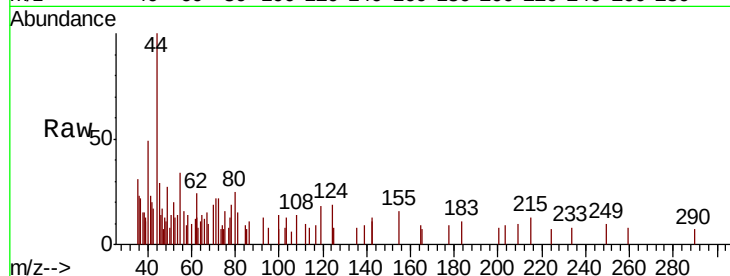
Instrument :

MSVOA_X

ClientSampled :

S49-0499DL2

Tot Ion:	49	Resp:	302
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	15.6	77.7	116.5#



#29

Tetrahydrofuran

Concen: 0.225 ug/l

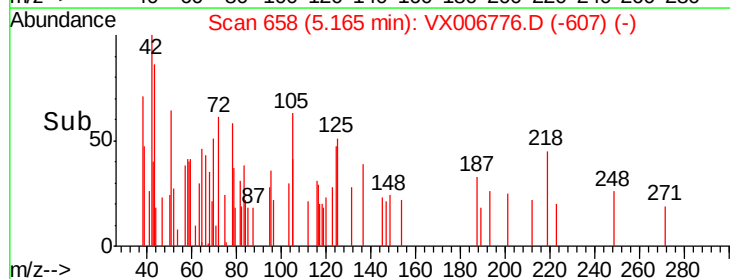
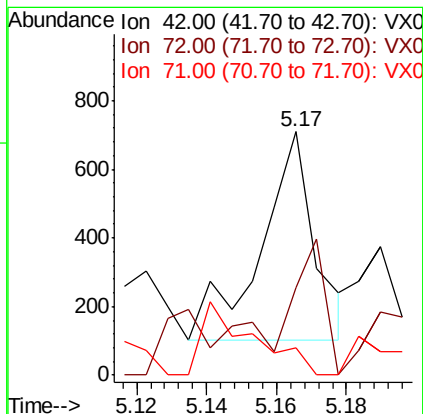
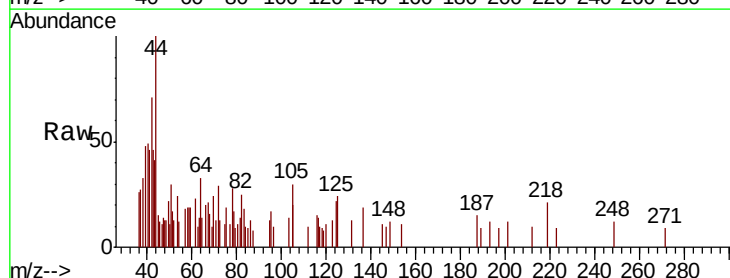
RT: 5.17 min Scan# 658

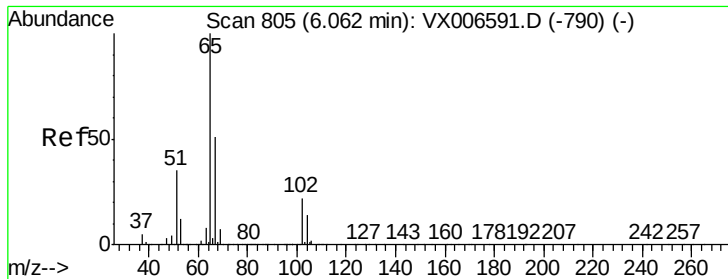
Delta R.T. 0.01 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Tgt Ion:	42	Resp:	644
Ion	Ratio	Lower	Upper
42	100		
72	53.7	38.9	58.3
71	0.0	36.2	54.4#

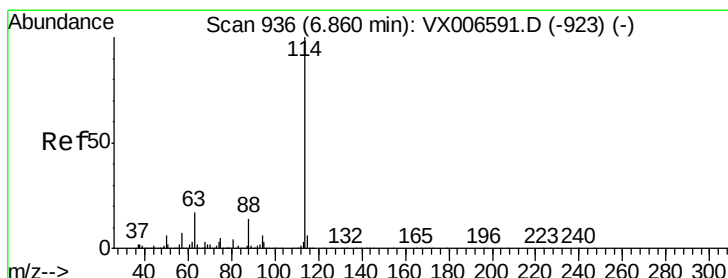
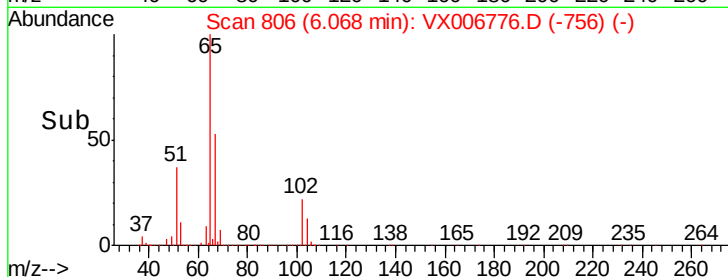
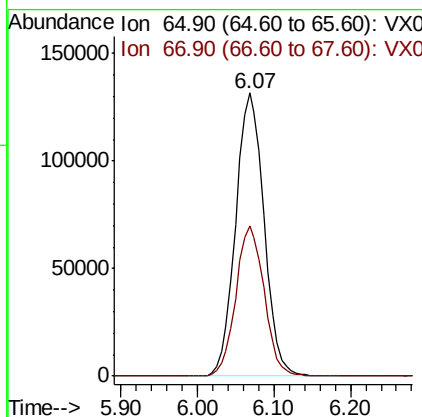
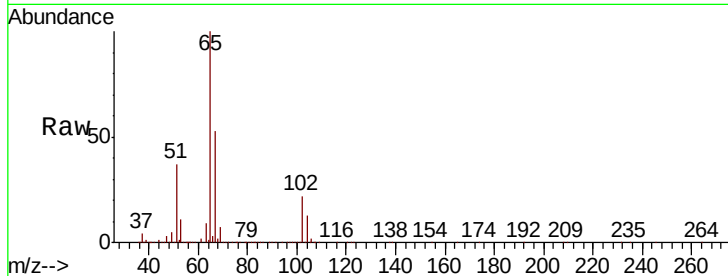




#33
 1,2-Dichloroethane-d4
 Concen: 50.353 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006776.D
 Acq: 22 Dec 2018 17:03

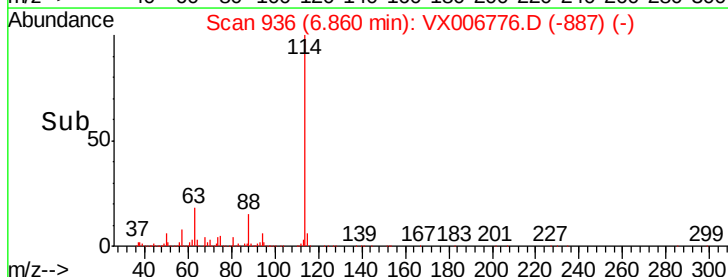
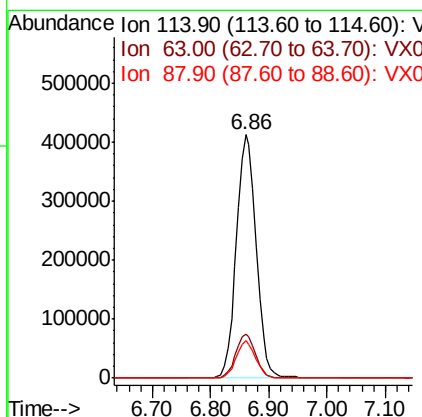
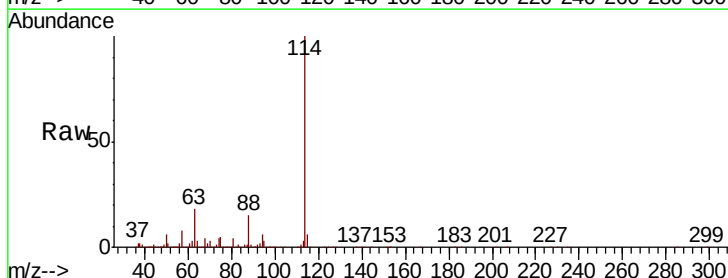
Instrument :
 MSVOA_X
 ClientSampleID :
 S49-0499DL2

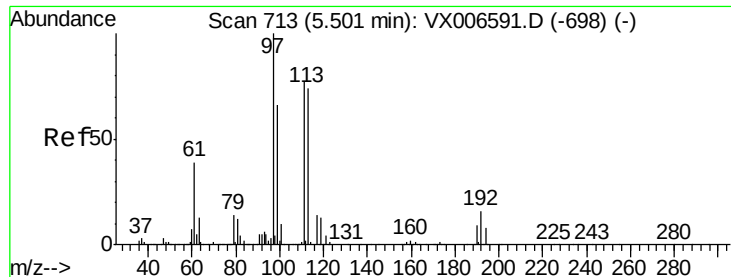
Tot Ion: 65 Resp: 338311
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006776.D
 Acq: 22 Dec 2018 17:03

Tgt Ion: 114 Resp: 977727
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.8
 88 15.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.974 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

S49-0499DL2

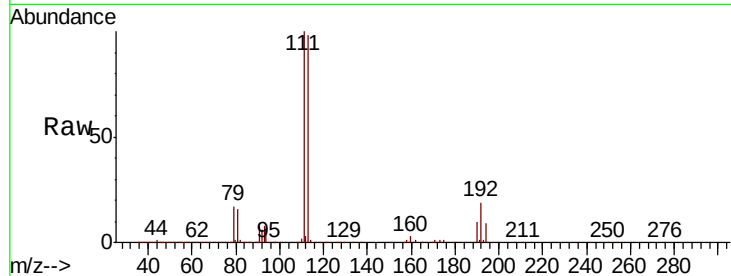
Tot Ion:113 Resp: 290438

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

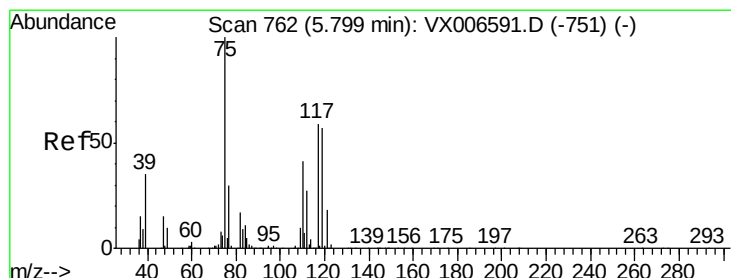
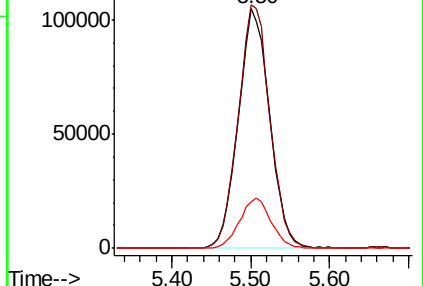
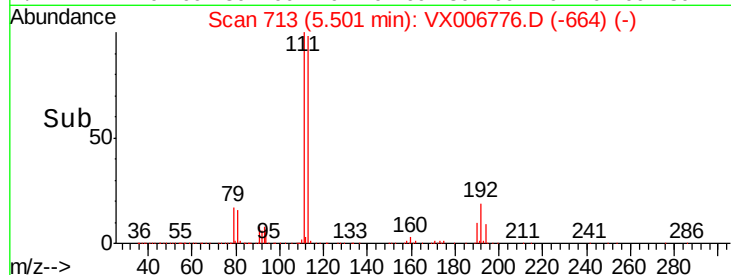
192 21.0 16.7 25.1



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: 5.085 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

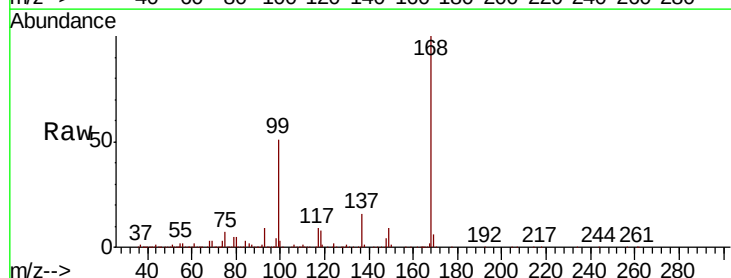
Tgt Ion: 75 Resp: 41174

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

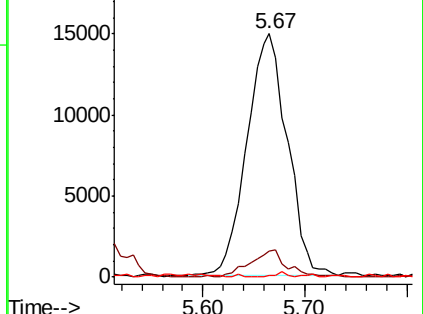
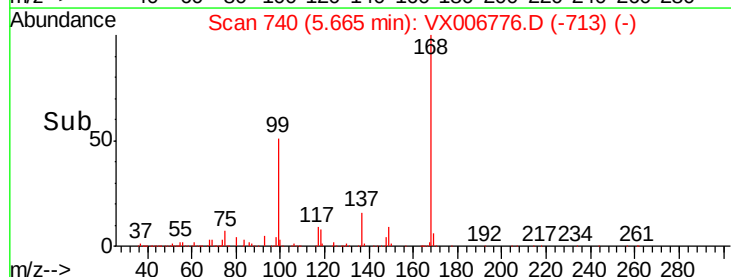
77 0.6 24.8 37.2#

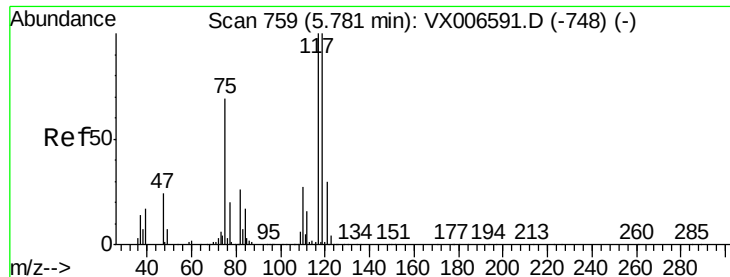


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.359 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

S49-0499DL2

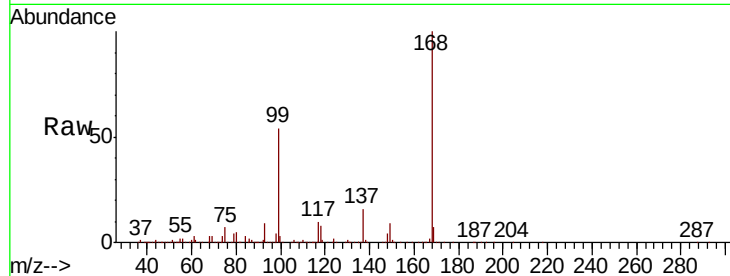
Tot Ion:117 Resp: 57917

Ion Ratio Lower Upper

117 100

119 5.8 79.4 119.2#

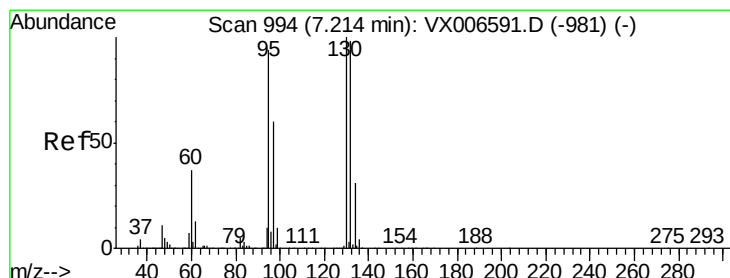
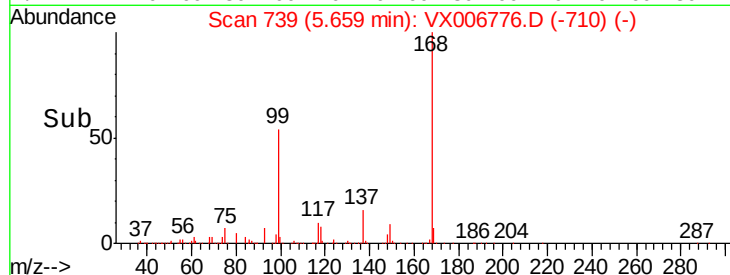
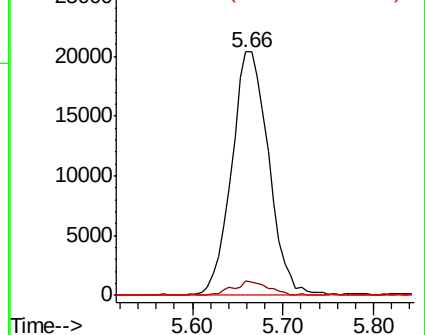
121 0.3 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 40.903 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006776.D

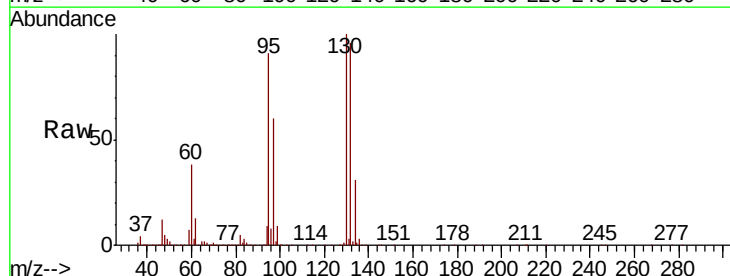
Acq: 22 Dec 2018 17:03

Tgt Ion:130 Resp: 304734

Ion Ratio Lower Upper

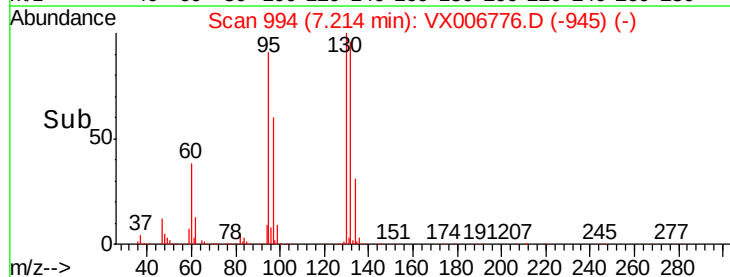
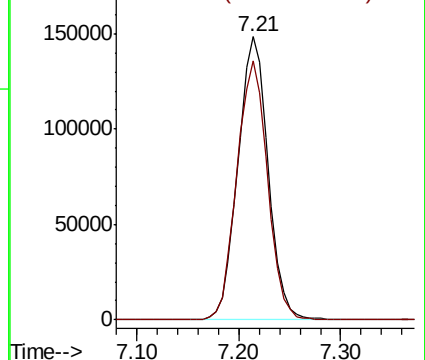
130 100

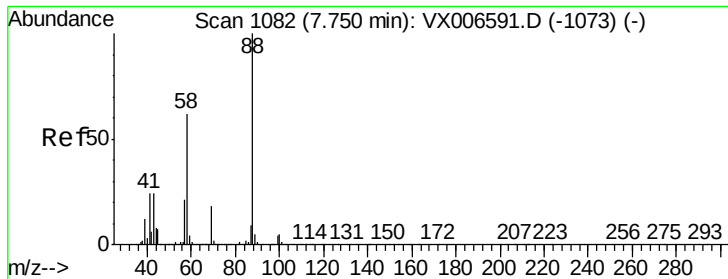
95 91.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

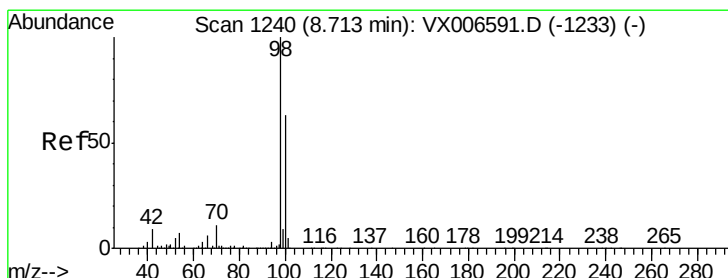
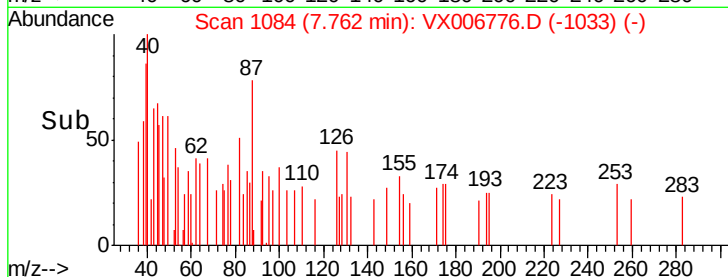
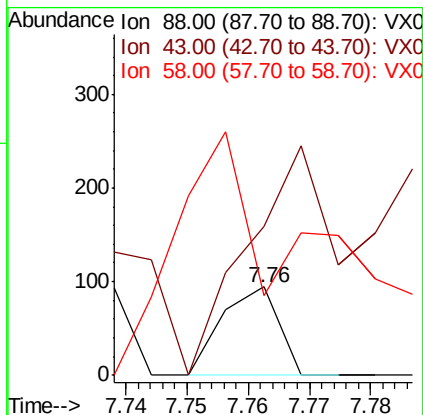
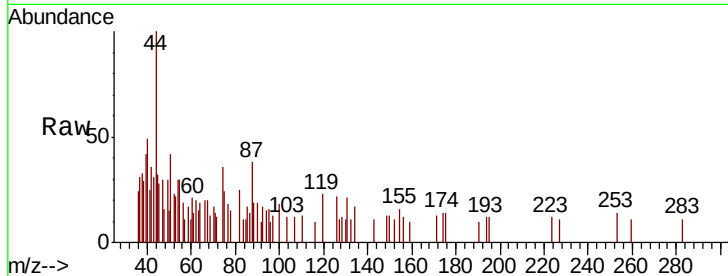




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

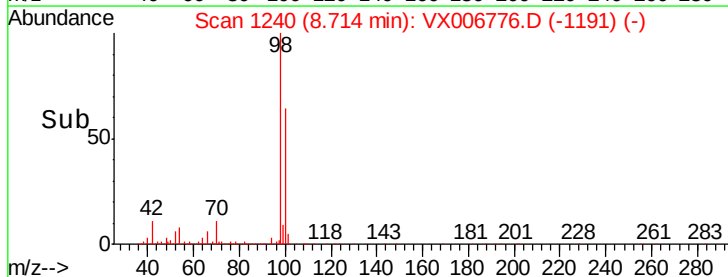
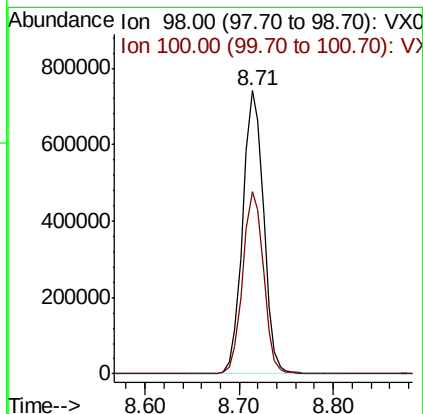
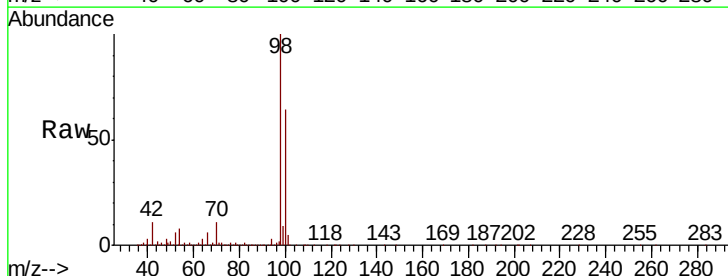
Instrument :
MSVOA_X
ClientSampled :
S49-0499DL2

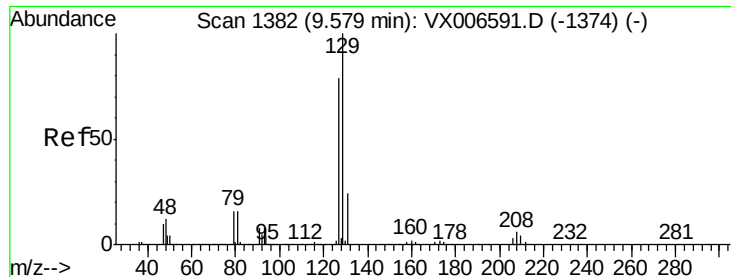
Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 385.0 22.2 33.4#
58 676.7 51.0 76.4#



#50
Toluene-d8
Concen: 49.204 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

Tgt Ion: 98 Resp: 1146943
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#60

Dibromochloromethane

Concen: 2.328 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

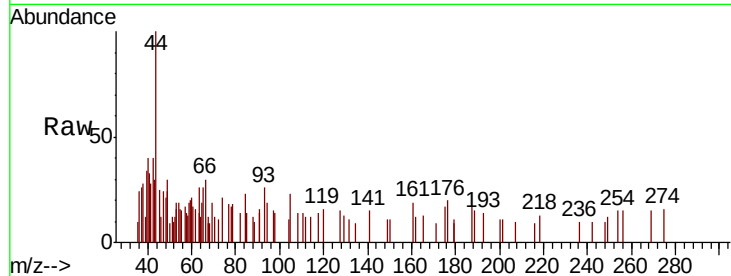
S49-0499DL2

Tot Ion:129 Resp: 26

Ion Ratio Lower Upper

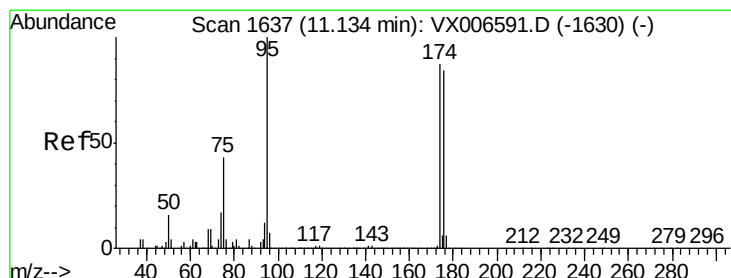
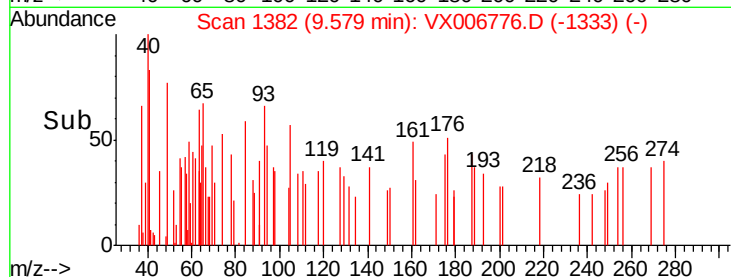
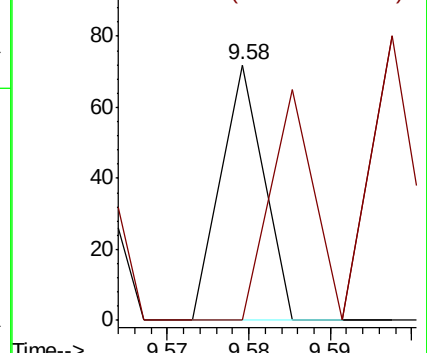
129 100

127 92.3 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.354 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

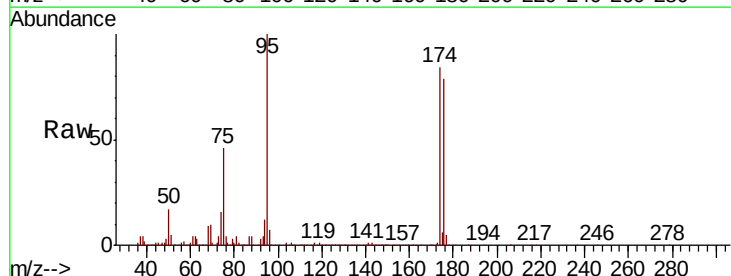
Tgt Ion: 95 Resp: 404262

Ion Ratio Lower Upper

95 100

174 88.0 0.0 182.2

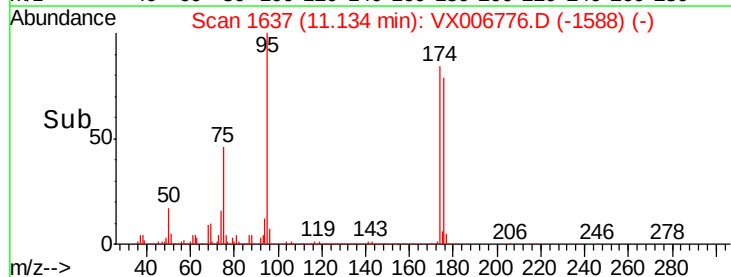
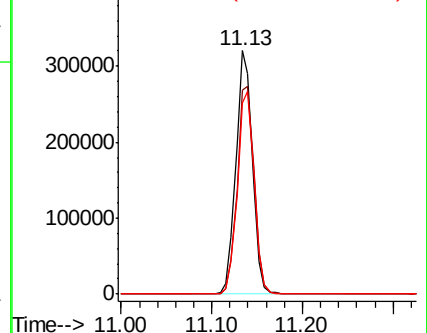
176 84.9 0.0 178.8

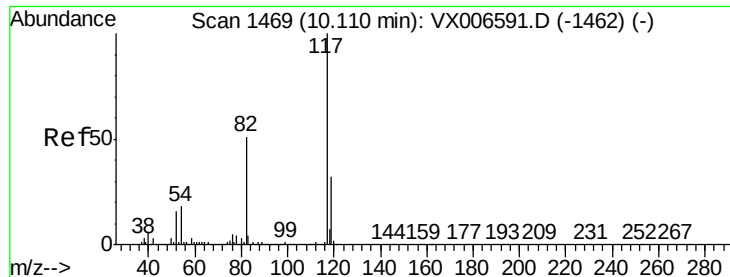


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

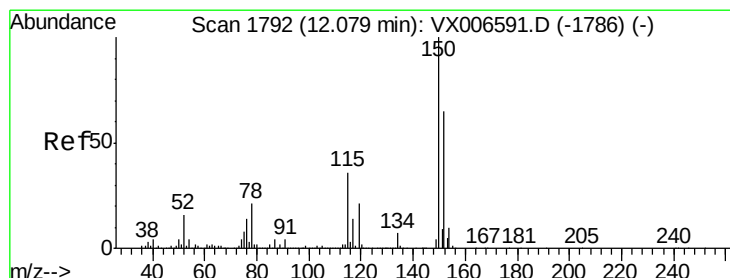
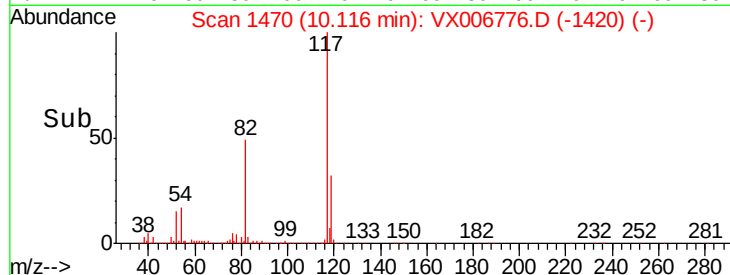
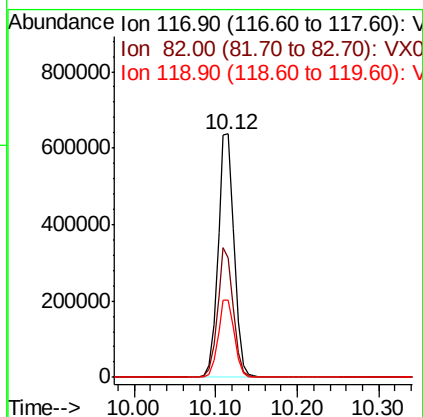
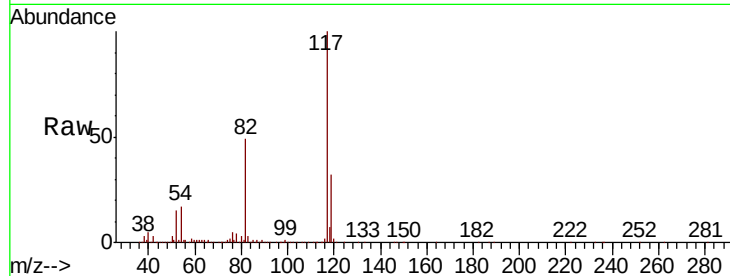




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

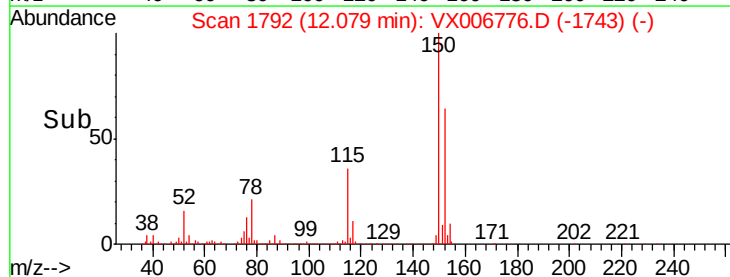
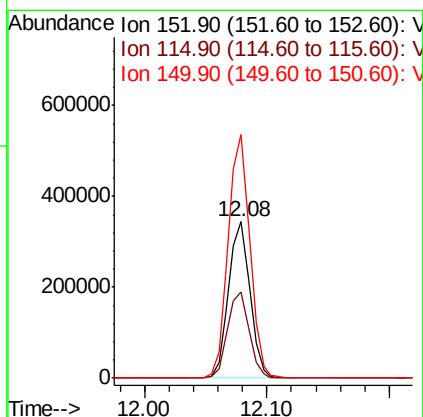
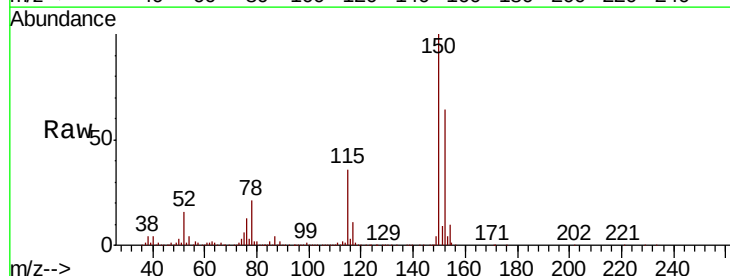
Instrument :
MSVOA_X
ClientSampled :
S49-0499DL2

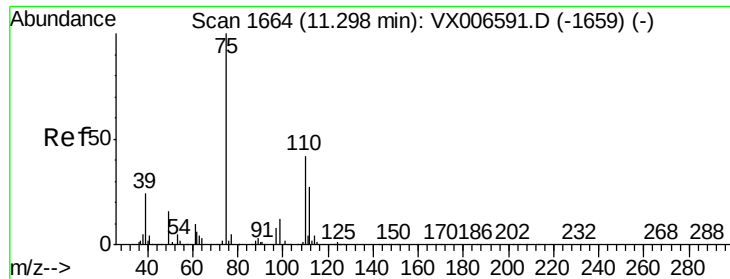
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.0	61.6
119	31.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006776.D
Acq: 22 Dec 2018 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	39.1	117.2
150	157.7	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.695 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

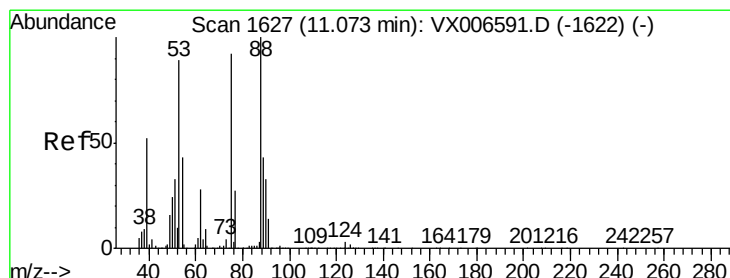
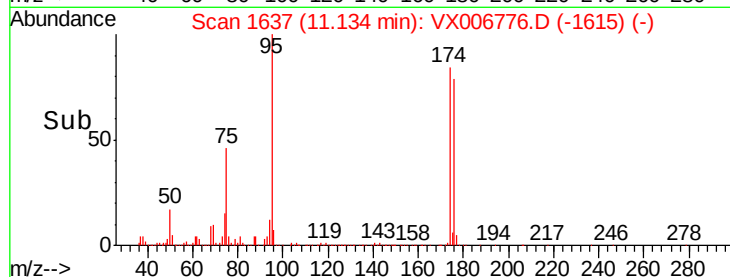
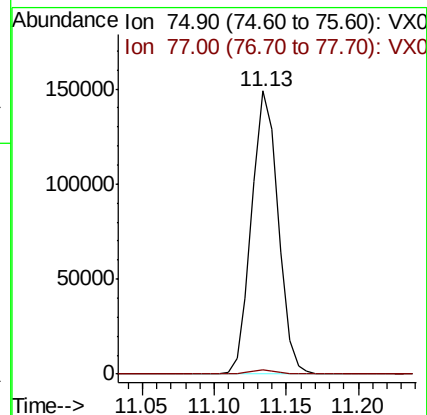
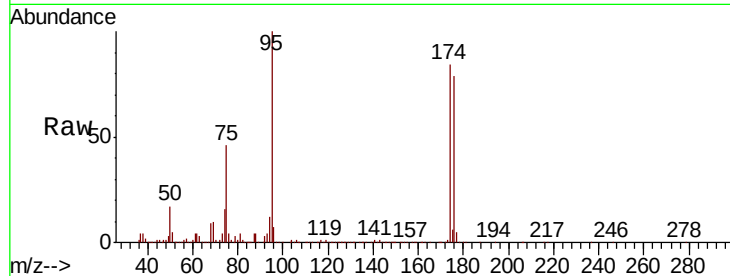
S49-0499DL2

Tot Ion: 75 Resp: 189751

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.023 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

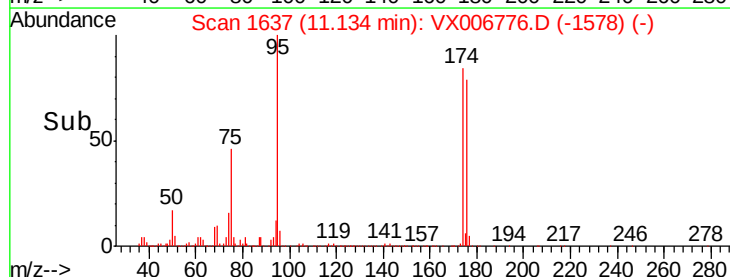
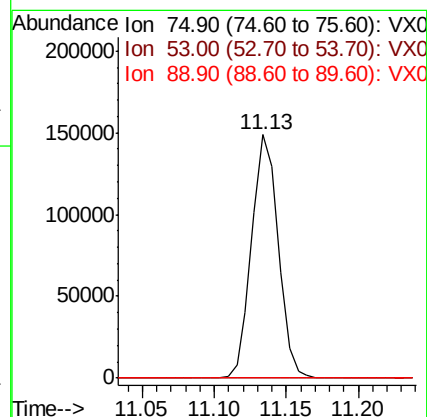
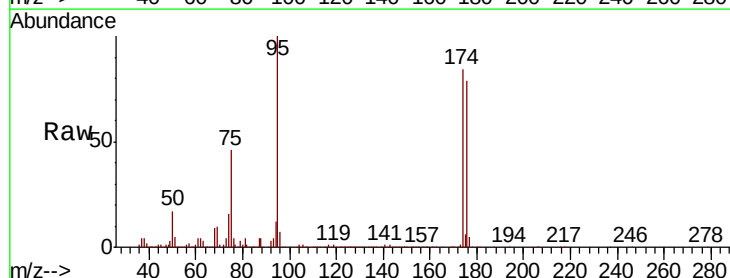
Tgt Ion: 75 Resp: 189751

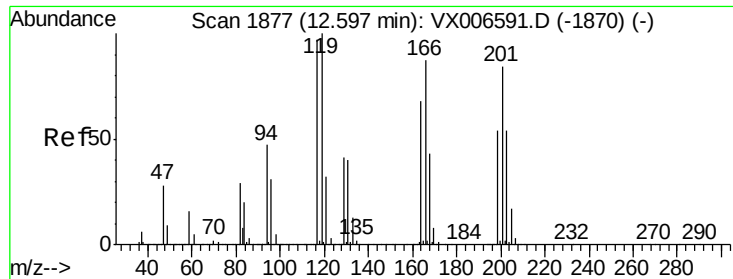
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.298 ug/l

RT: 12.60 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX006776.D

Acq: 22 Dec 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

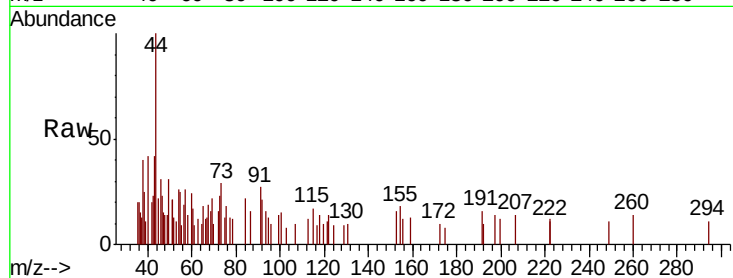
S49-0499DL2

Tot Ion:117 Resp: 20

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

