

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006228.D
 Acq On : 30 Nov 2018 14:16
 Operator : JC/MD
 Sample : J6139-01
 Misc : 6.24g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0483

Quant Time: Nov 30 22:18:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	836154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1229674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1137557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	619360	50.00	ug/l	0.00

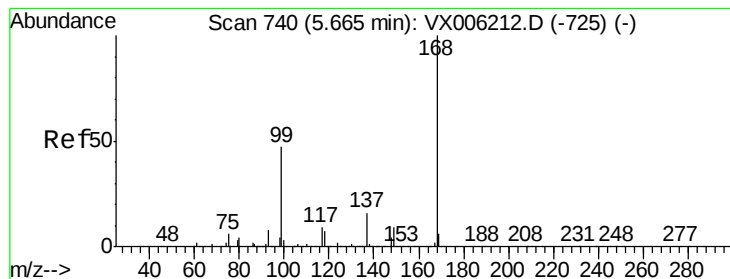
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	395158	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	5.51	113	383684	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	8.71	98	1425601	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	560697	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.42	62	4347	0.480	ug/l	92
5) Bromomethane	1.64	94	3766	0.600	ug/l	92
6) Chloroethane	1.71	64	1163	0.209	ug/l	98
13) Acrolein	2.30	56	662	0.519	ug/l #	82
20) Methylene Chloride	2.84	84	2478	0.291	ug/l #	80
21) trans-1,2-Dichloroethene	3.15	96	6124	0.760	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	28340	3.151	ug/l	90
31) Cyclohexane	5.65	56	11885	0.964	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	53748	5.190	ug/l #	48
38) Carbon Tetrachloride	5.66	117	73835	6.061	ug/l #	16
44) Trichloroethene	7.21	130	40339	4.293	ug/l	98
49) 1,4-Dioxane	7.73	88	86	0.371	ug/l #	1
60) Dibromochloromethane	9.34	129	103572	10.133	ug/l #	11
64) Tetrachloroethene	9.34	164	114017	13.309	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	251986	21.078	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	251986	49.465	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

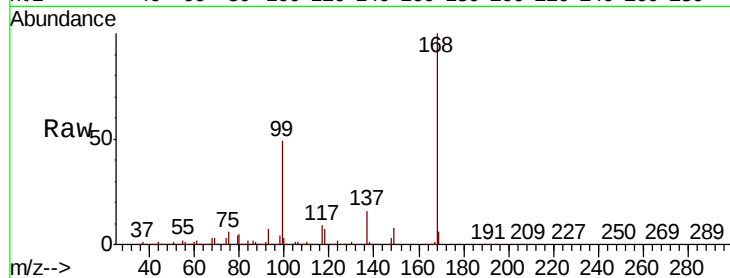
S49-0483

Tot Ion:168 Resp: 836154

Ion Ratio Lower Upper

168 100

99 48.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

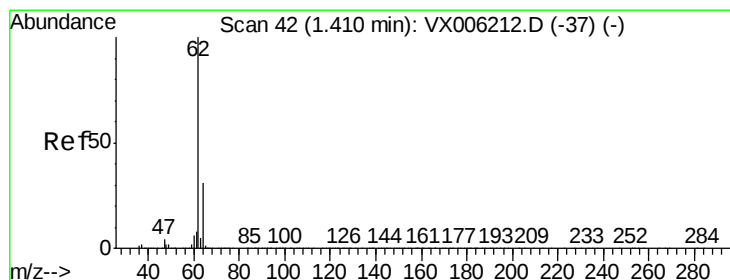
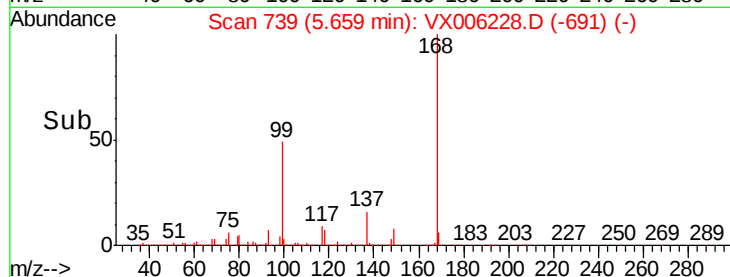
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.480 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX006228.D

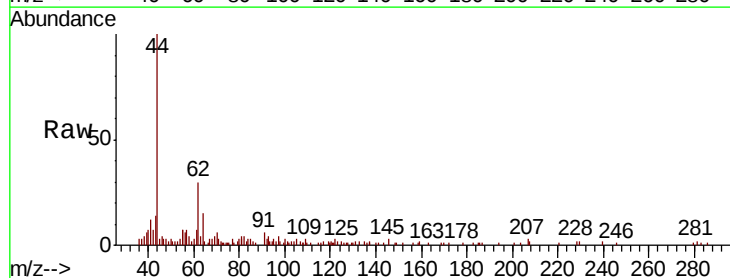
Acq: 30 Nov 2018 14:16

Tgt Ion: 62 Resp: 4347

Ion Ratio Lower Upper

62 100

64 35.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.42

2000

1500

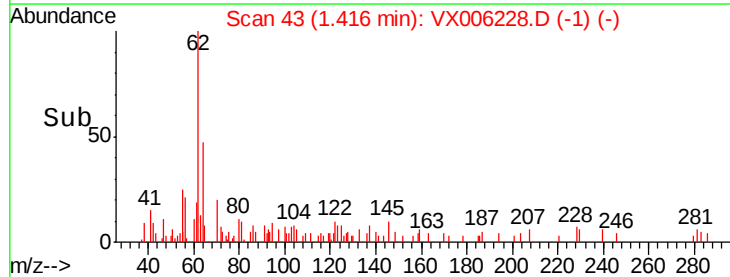
1000

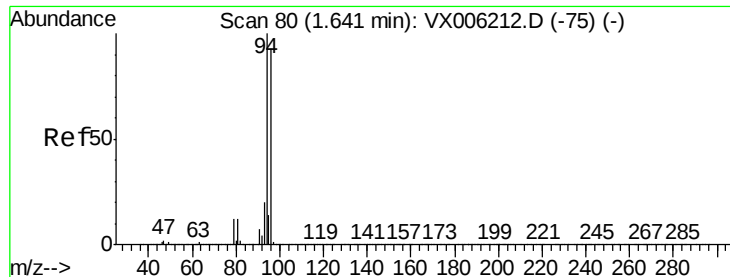
500

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 0.600 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

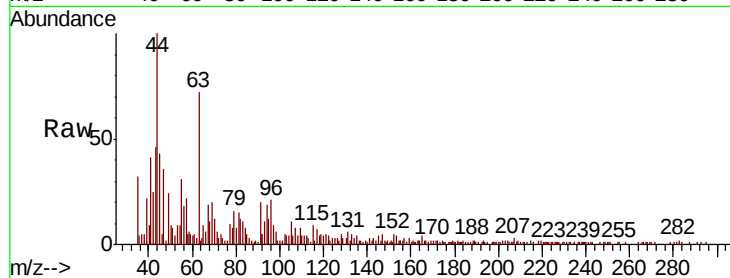
S49-0483

Tot Ion: 94 Resp: 3766

Ion Ratio Lower Upper

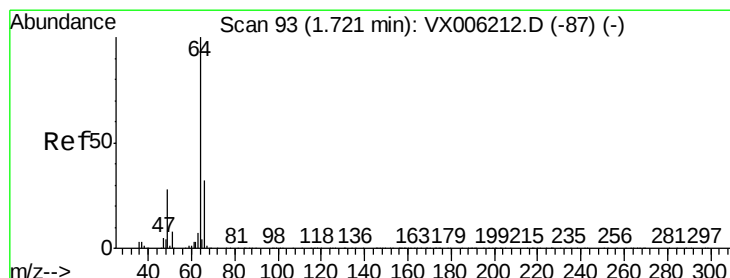
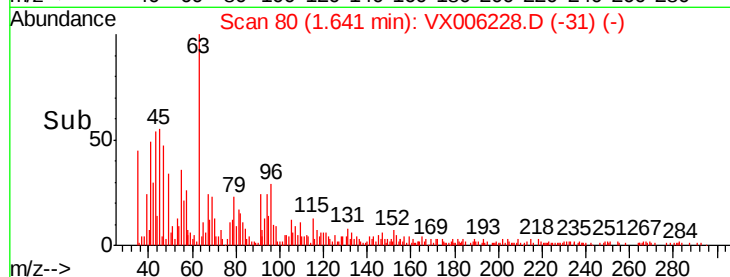
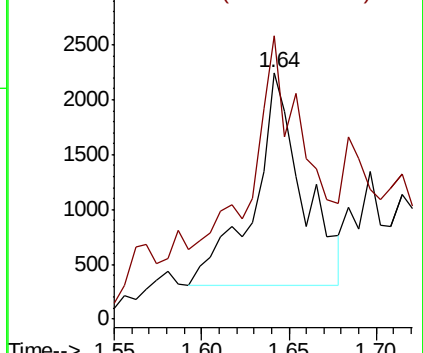
94 100

96 100.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006228.D

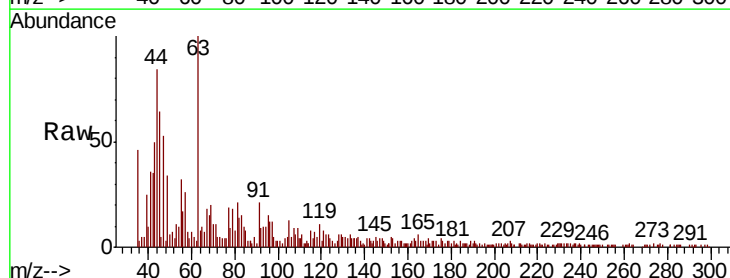
Acq: 30 Nov 2018 14:16

Tgt Ion: 64 Resp: 1163

Ion Ratio Lower Upper

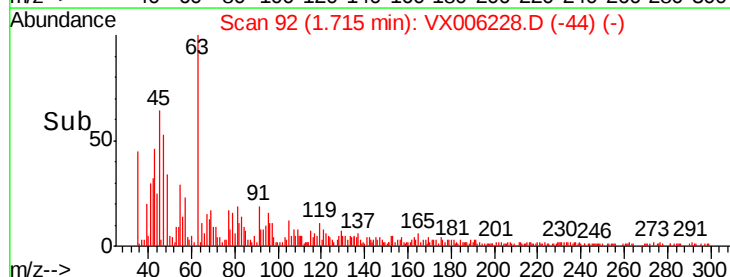
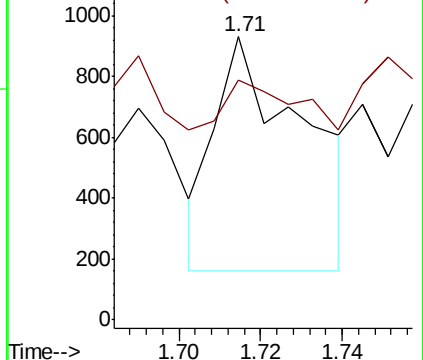
64 100

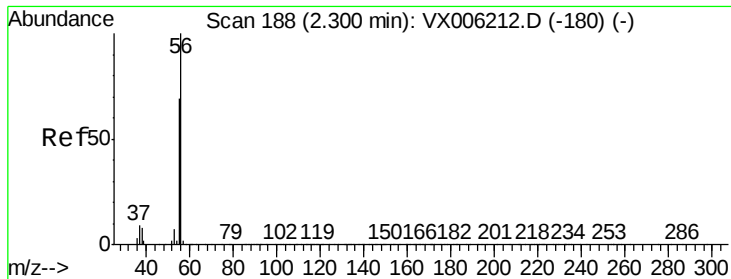
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.519 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

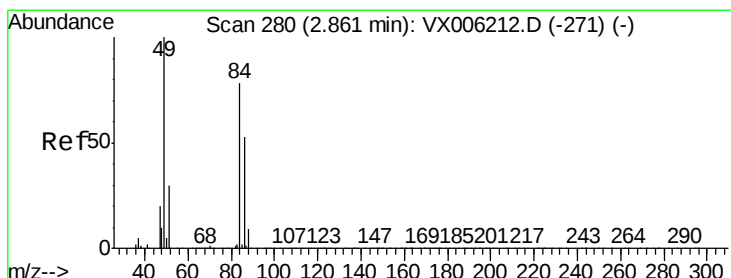
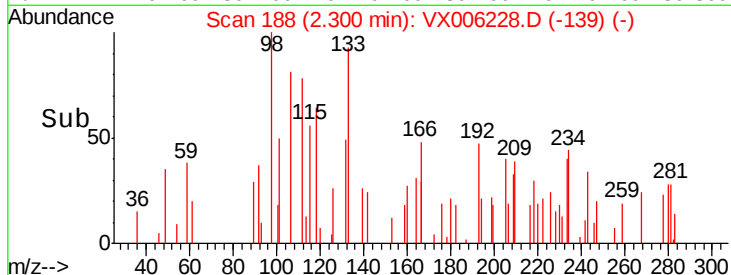
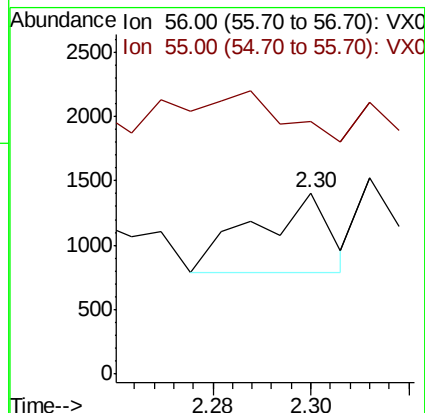
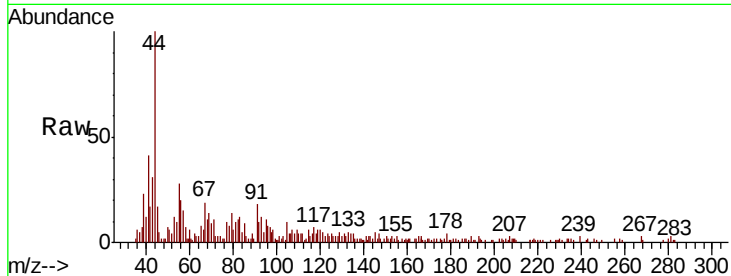
S49-0483

Tot Ion: 56 Resp: 662

Ion Ratio Lower Upper

56 100

55 86.9 57.8 86.6#



#20

Methylene Chloride

Concen: 0.291 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Tgt Ion: 84 Resp: 2478

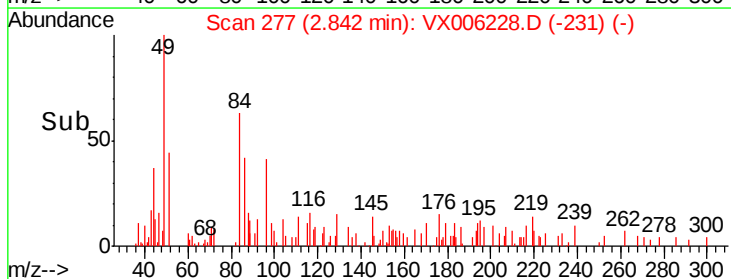
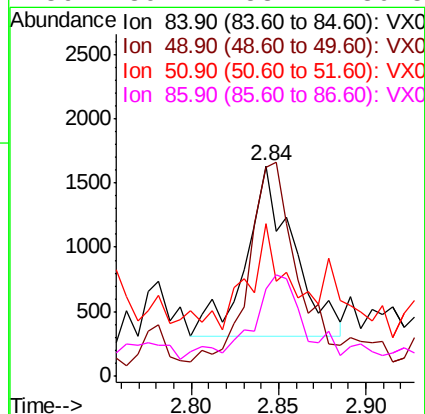
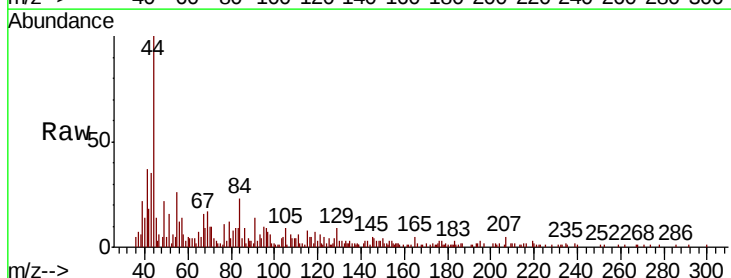
Ion Ratio Lower Upper

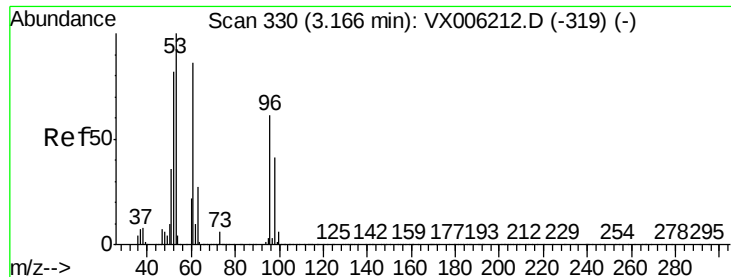
84 100

49 113.9 102.2 153.4

51 51.2 31.1 46.7#

86 39.2 53.7 80.5#

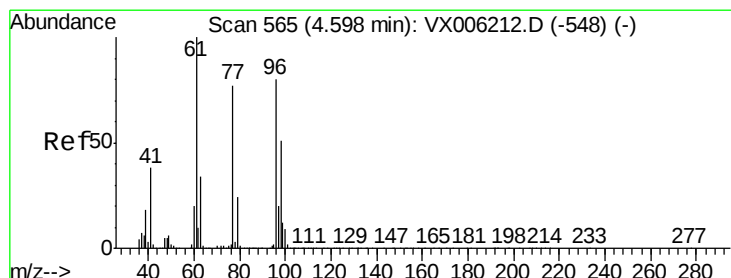
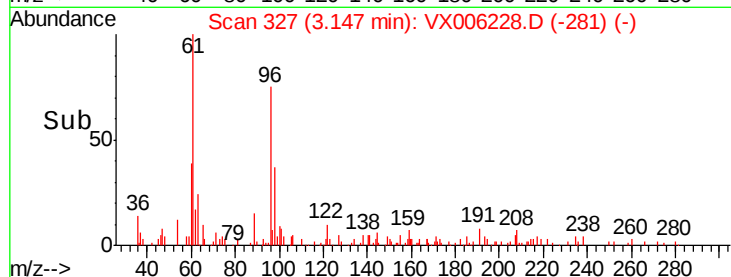
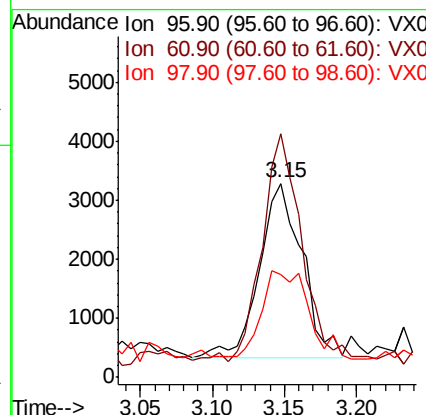
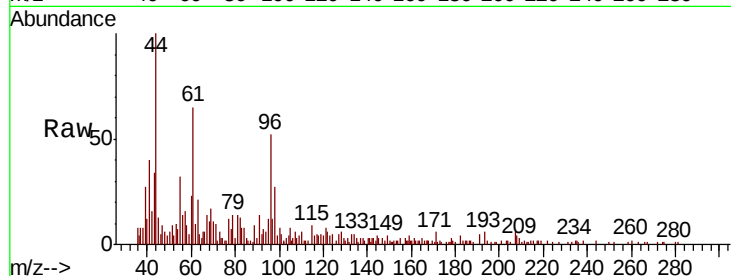




#21
trans-1,2-Dichloroethene
Concen: 0.760 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.02 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

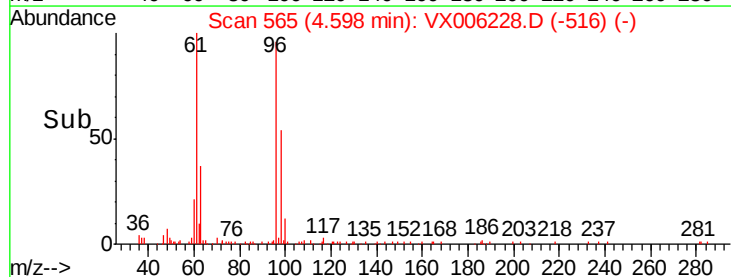
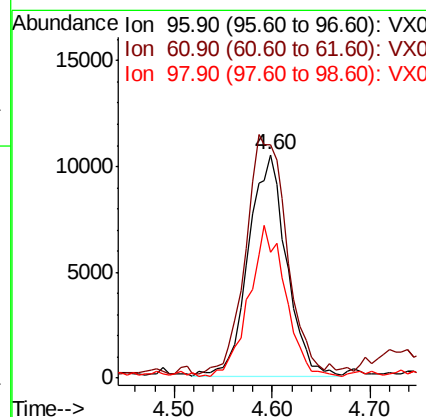
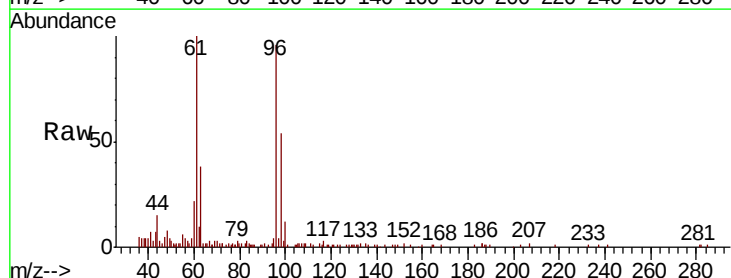
Instrument :
MSVOA_X
ClientSampled :
S49-0483

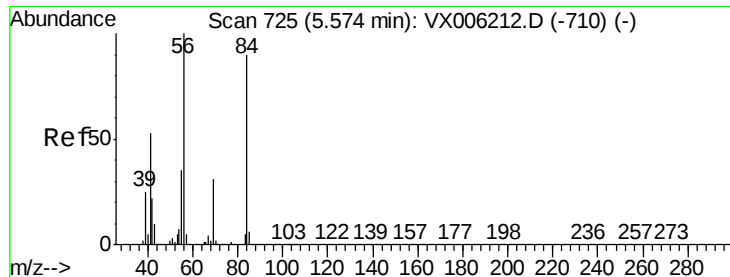
Tot Ion: 96 Resp: 6124
Ion Ratio Lower Upper
96 100
61 129.6 113.3 169.9
98 46.4 53.2 79.8#



#27
cis-1,2-Dichloroethene
Concen: 3.151 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

Tgt Ion: 96 Resp: 28340
Ion Ratio Lower Upper
96 100
61 114.9 0.0 265.0
98 64.5 0.0 130.2

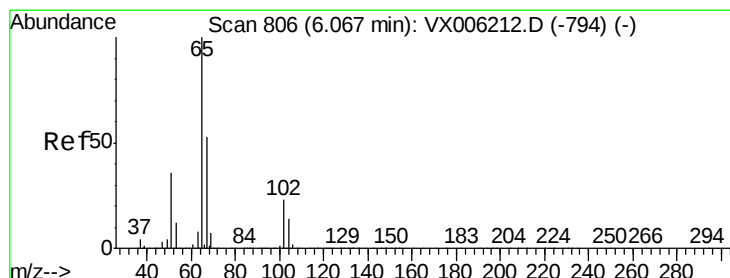
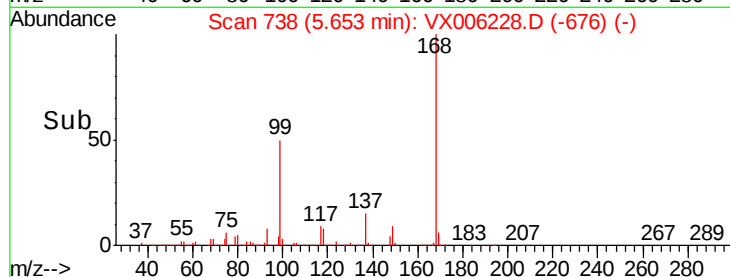
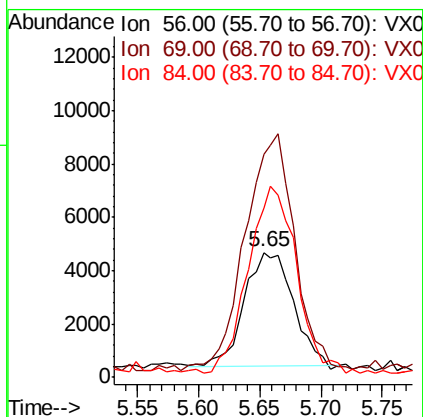
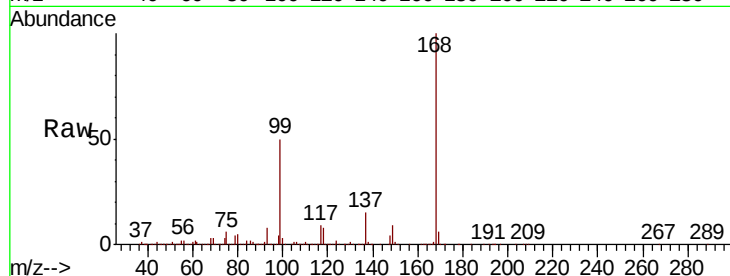




#31
Cvclohexane
Concen: 0.964 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

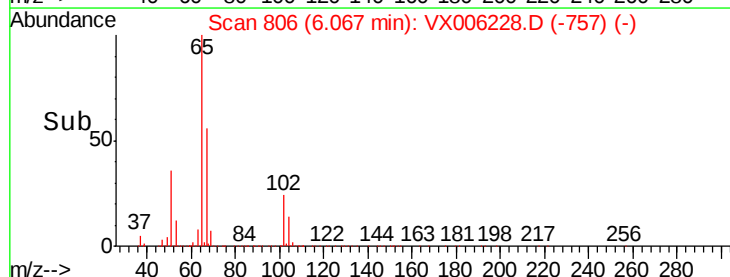
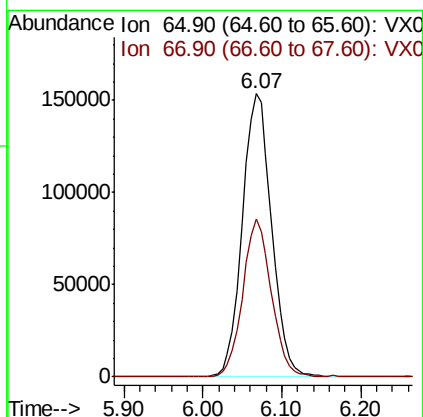
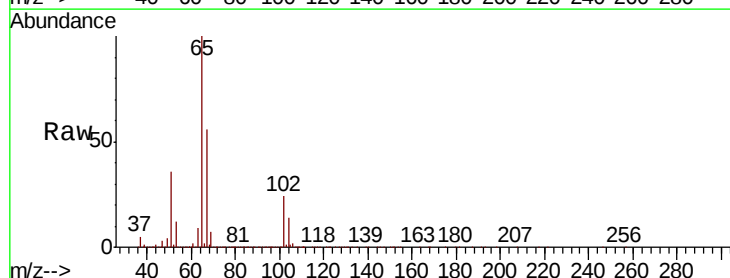
Instrument :
MSVOA_X
ClientSampleId :
S49-0483

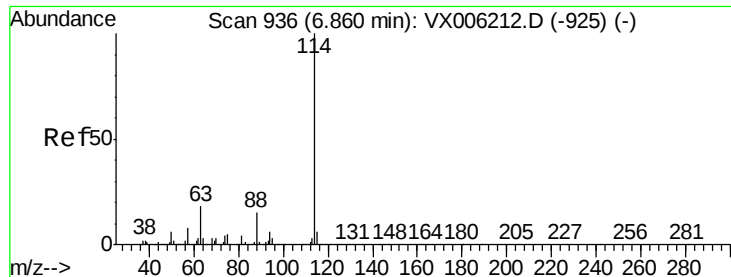
Tot Ion: 56 Resp: 11885
Ion Ratio Lower Upper
56 100
69 187.8 24.5 36.7#
84 144.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.294 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

Tgt Ion: 65 Resp: 395158
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

S49-0483

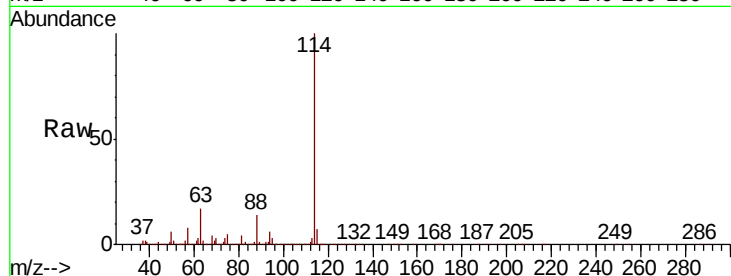
Tot Ion:114 Resp: 1229674

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

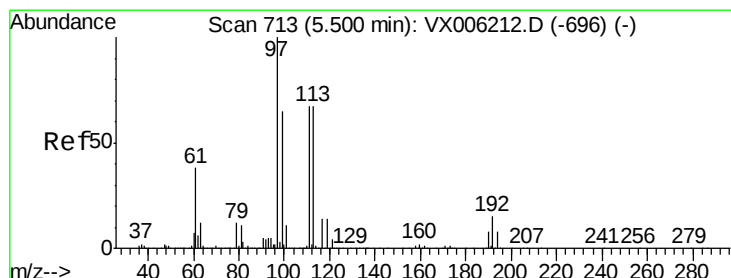
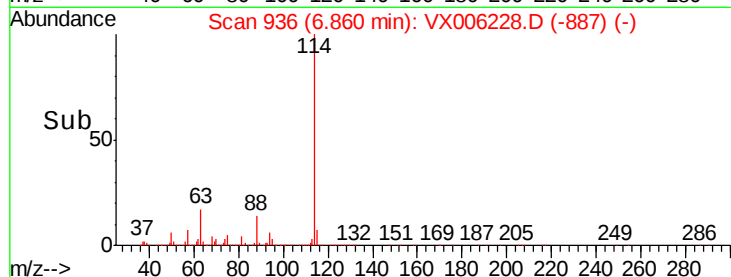
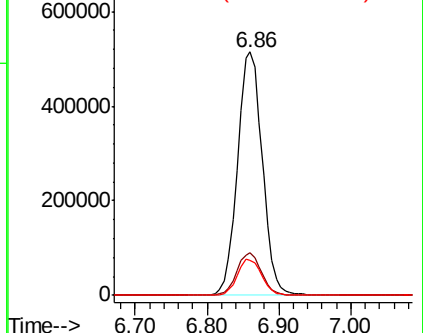
88 14.4 0.0 29.0



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: 48.191 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

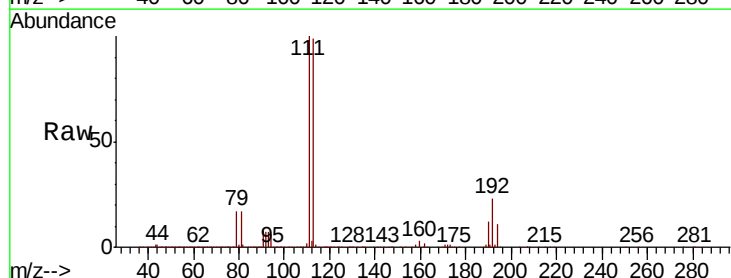
Tgt Ion:113 Resp: 383684

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

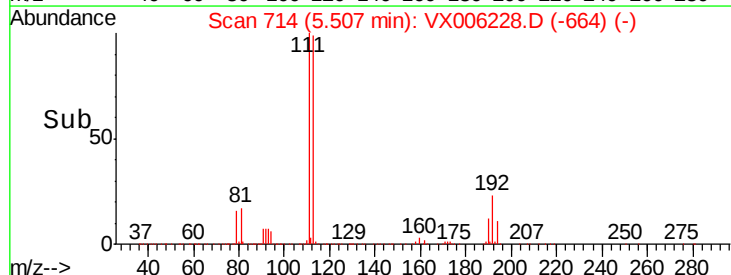
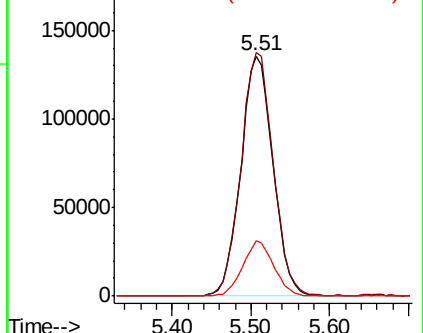
192 22.3 18.2 27.2

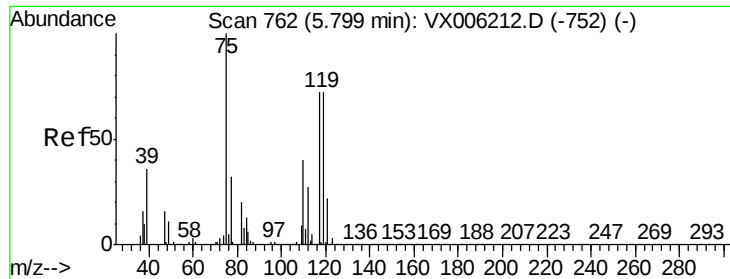


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

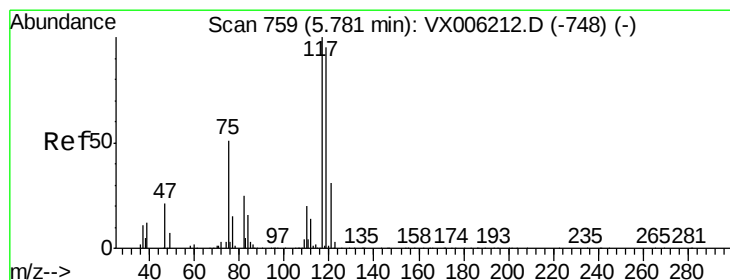
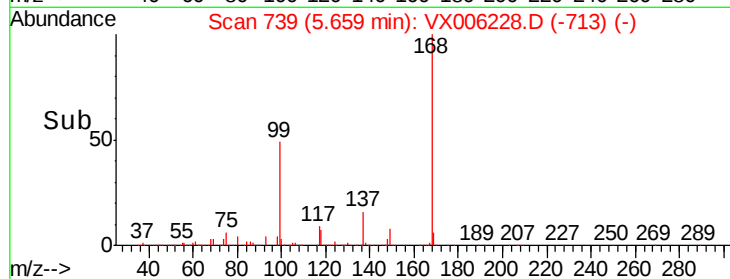
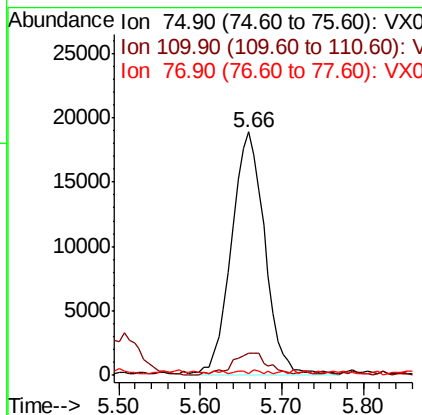
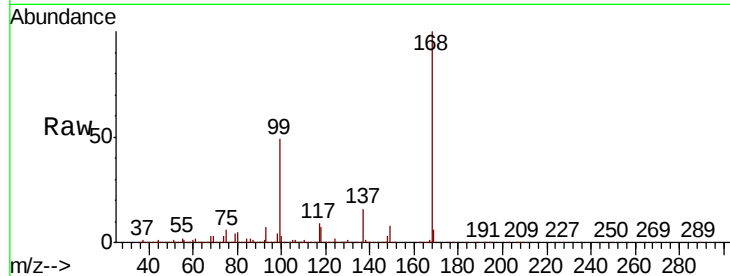




#36
 1,1-Dichloropropene
 Concen: 5.190 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006228.D
 Acq: 30 Nov 2018 14:16

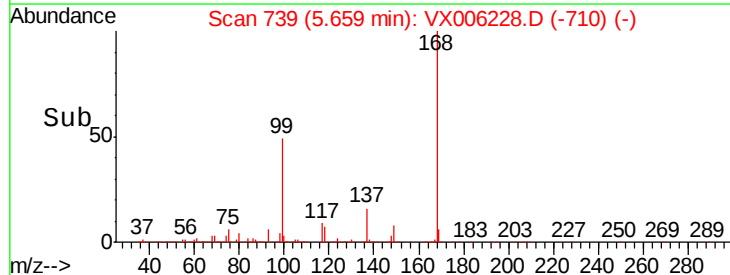
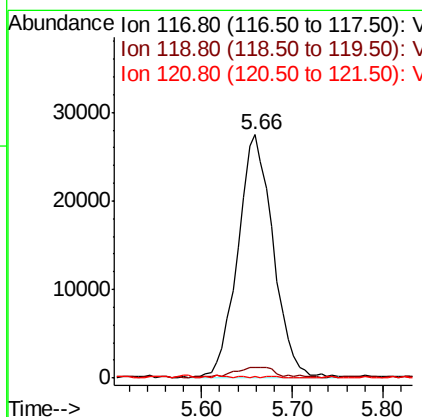
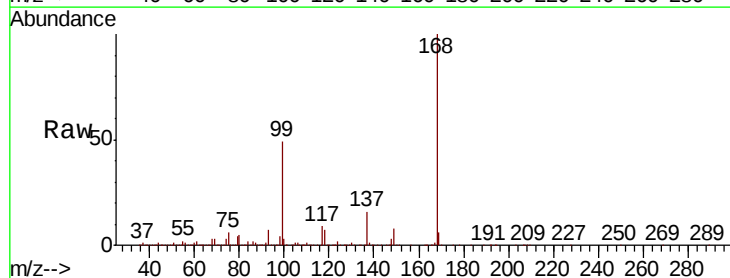
Instrument :
 MSVOA_X
 ClientSampled :
 S49-0483

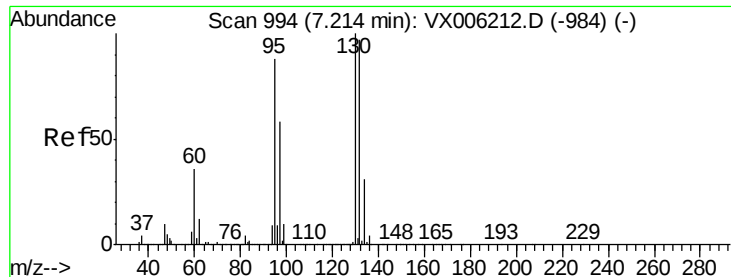
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	20.4	61.3#
77	0.4	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.061 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006228.D
 Acq: 30 Nov 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.8	113.8#
121	0.3	24.6	37.0#





#44

Trichloroethene

Concen: 4.293 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

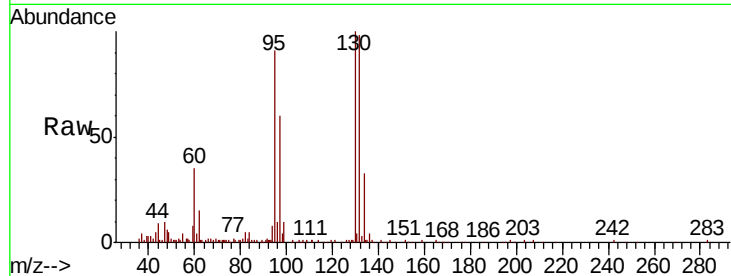
S49-0483

Tot Ion:130 Resp: 40339

Ion Ratio Lower Upper

130 100

95 89.9 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

20000

15000

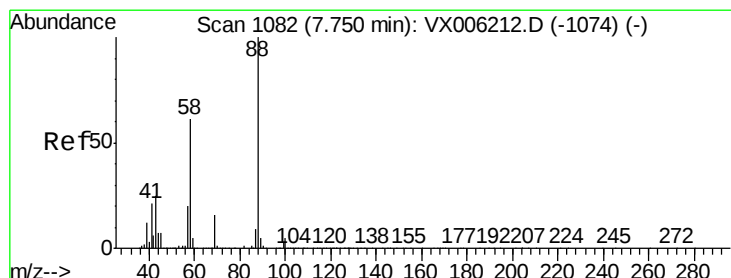
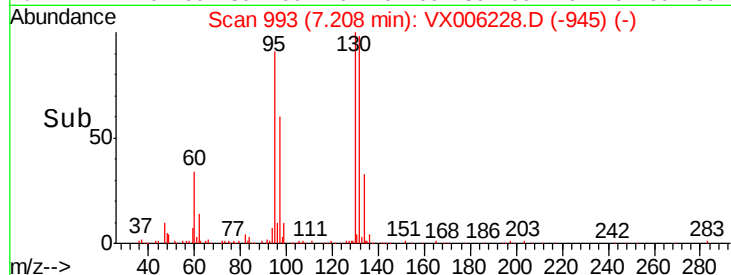
10000

5000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.371 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.02 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

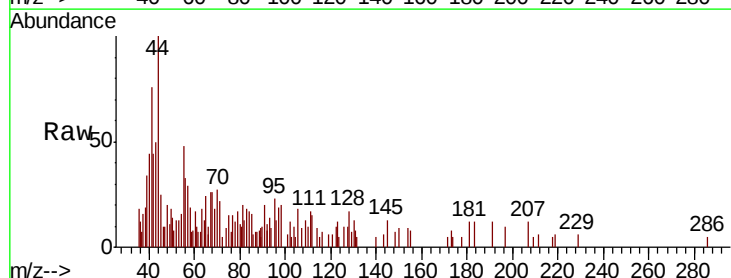
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 580.2 23.2 34.8#

58 282.6 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

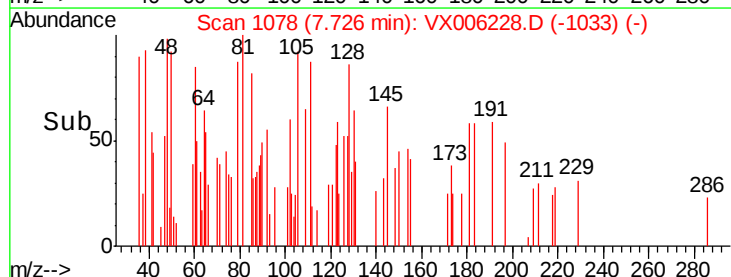
400

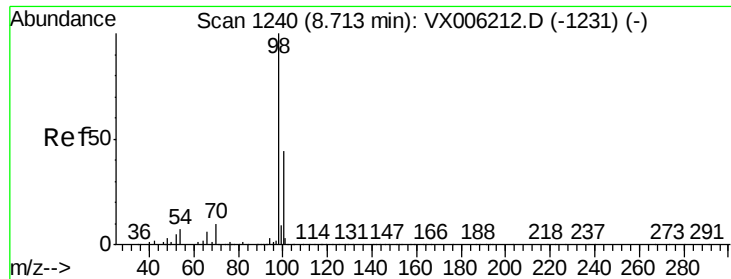
200

0

7.71 7.72 7.73 7.74 7.75

Time-->





#50

Toluene-d8

Concen: 49.227 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

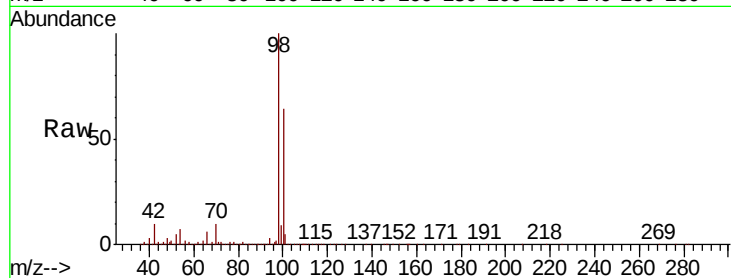
S49-0483

Tot Ion: 98 Resp: 1425601

Ion Ratio Lower Upper

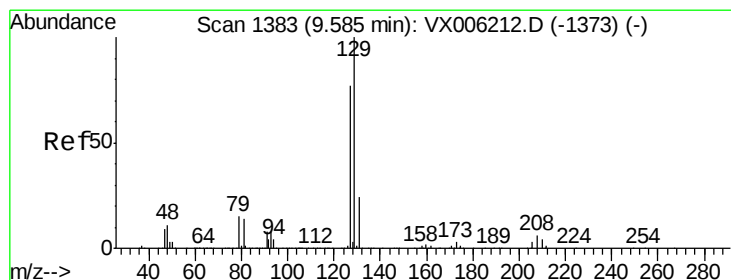
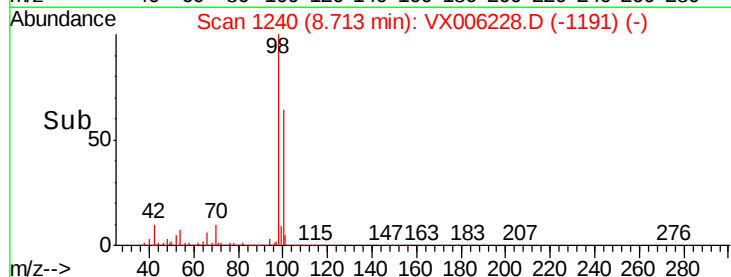
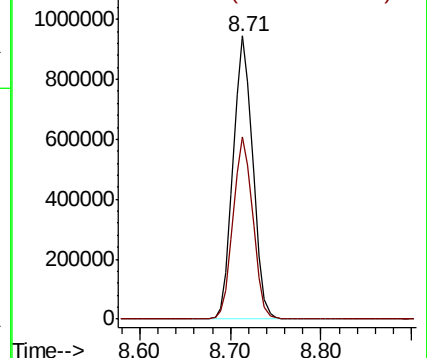
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 10.133 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006228.D

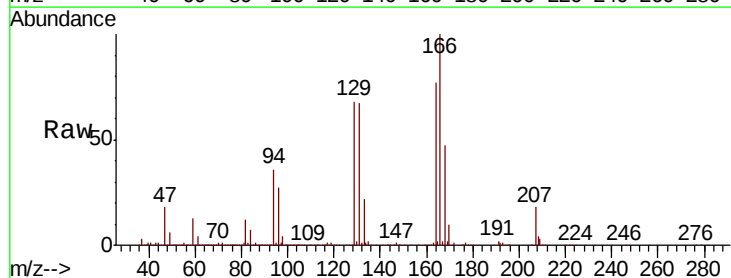
Acq: 30 Nov 2018 14:16

Tgt Ion:129 Resp: 103572

Ion Ratio Lower Upper

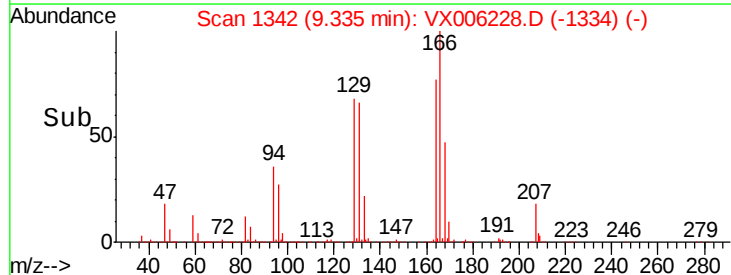
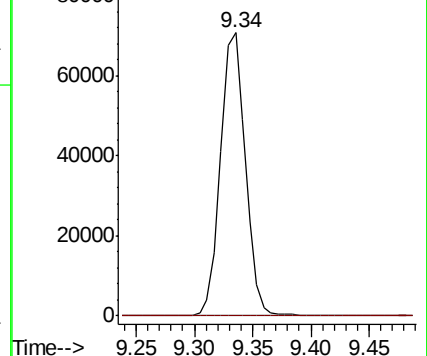
129 100

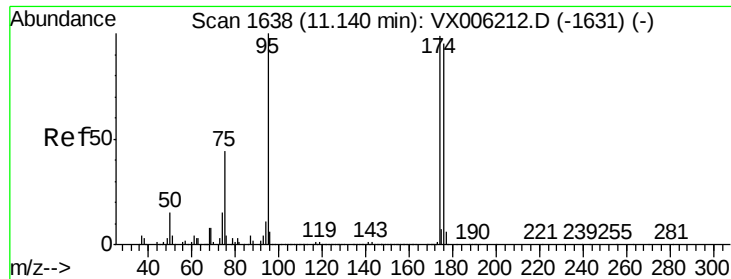
127 0.3 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

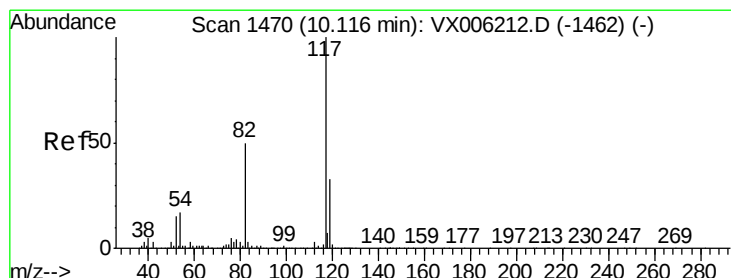
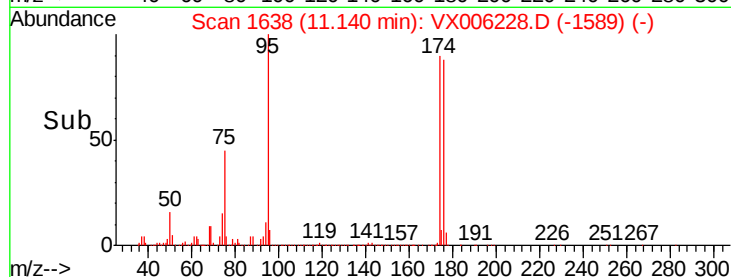
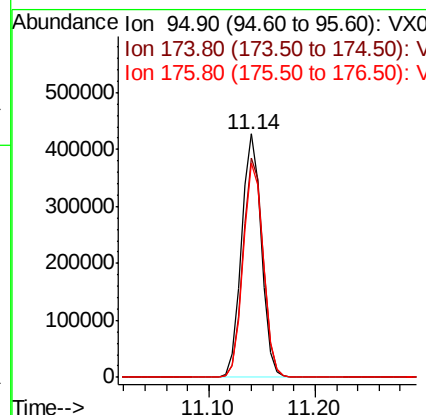
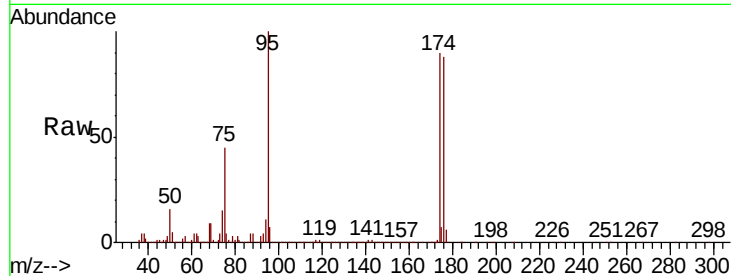




#62
4-Bromofluorobenzene
Concen: 51.379 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

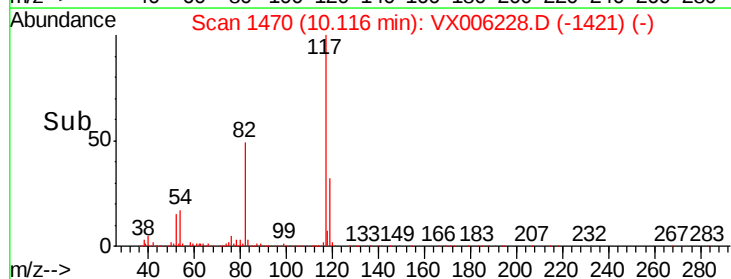
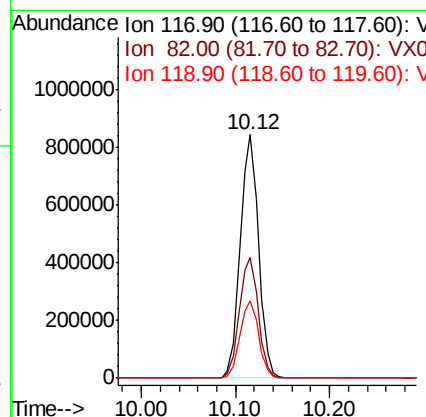
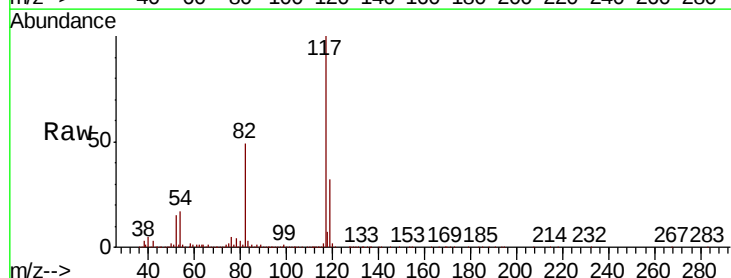
Instrument :
MSVOA_X
ClientSampled :
S49-0483

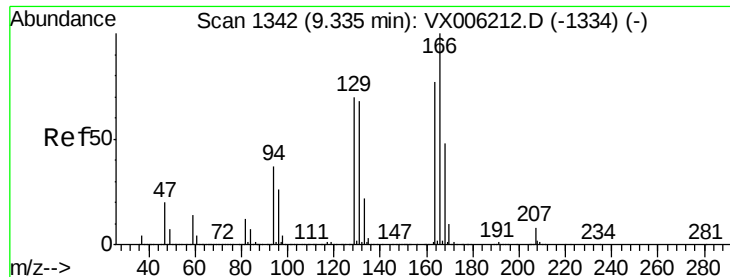
Tot Ion: 95 Resp: 560697
Ion Ratio Lower Upper
95 100
174 91.6 0.0 187.0
176 89.4 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

Tgt Ion: 117 Resp: 1137557
Ion Ratio Lower Upper
117 100
82 49.4 39.6 59.4
119 31.8 26.3 39.5

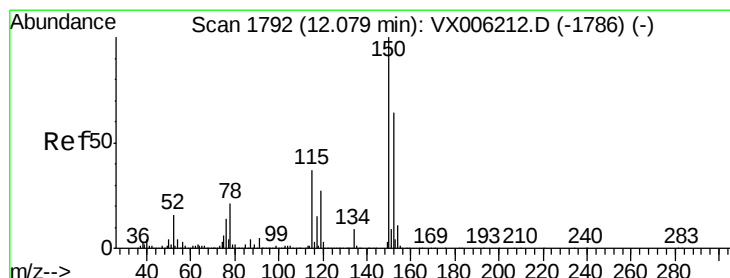
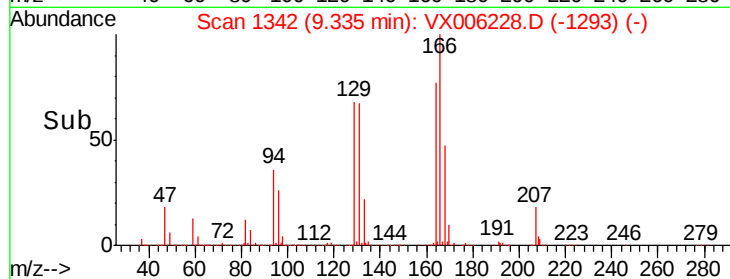
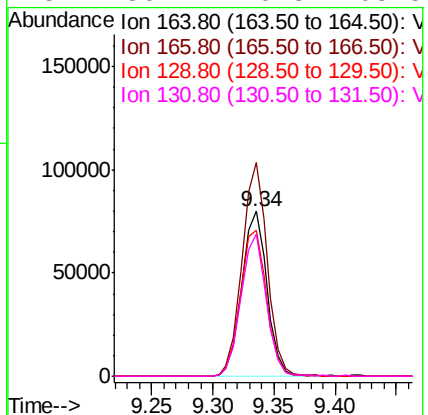
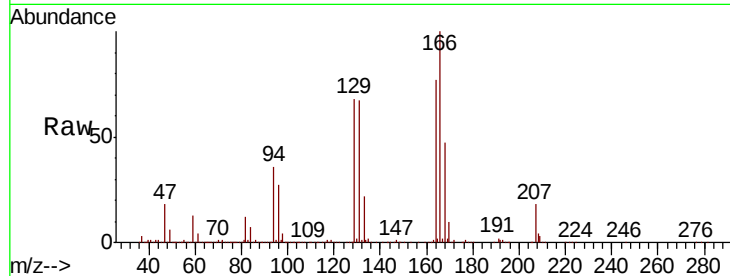




#64
Tetrachloroethene
Concen: 13.309 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

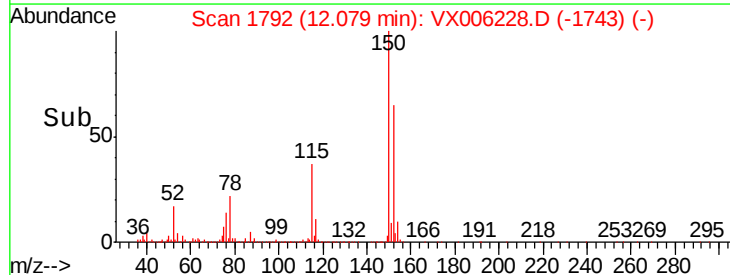
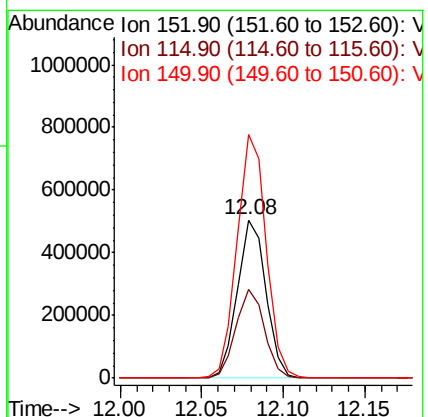
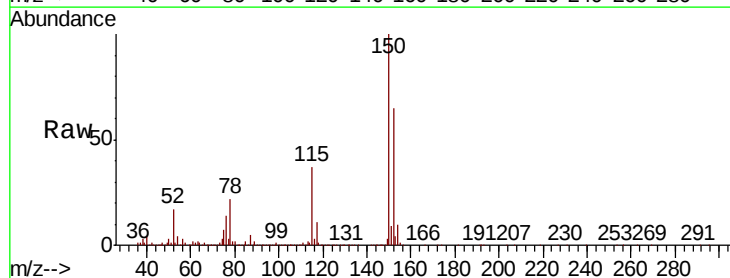
Instrument :
MSVOA_X
ClientSampleId :
S49-0483

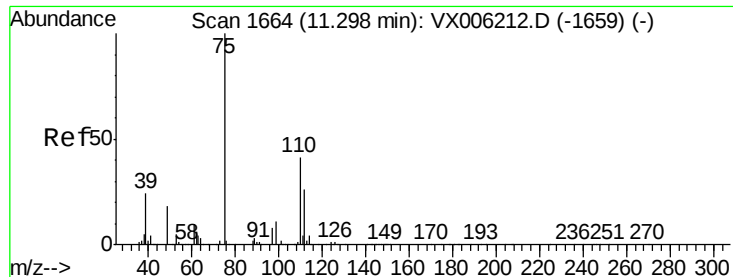
Tot Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.2	156.2
129	88.5	72.6	108.8
131	86.2	70.3	105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006228.D
Acq: 30 Nov 2018 14:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	39.0	116.9
150	156.0	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 21.078 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

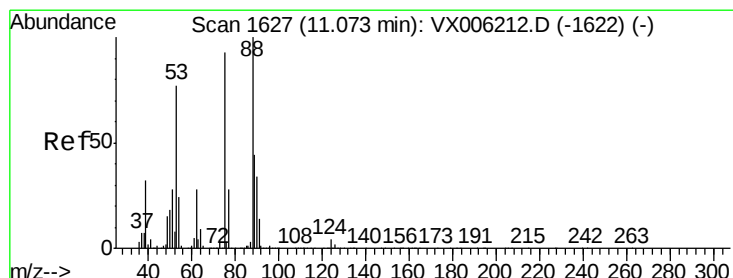
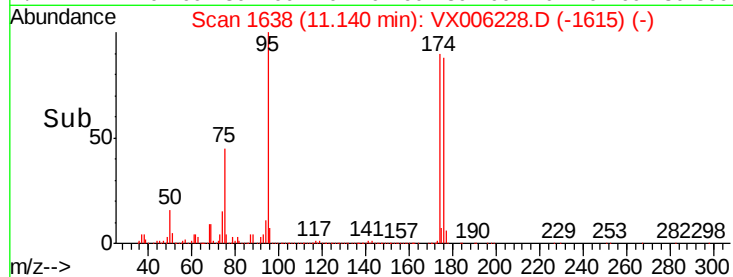
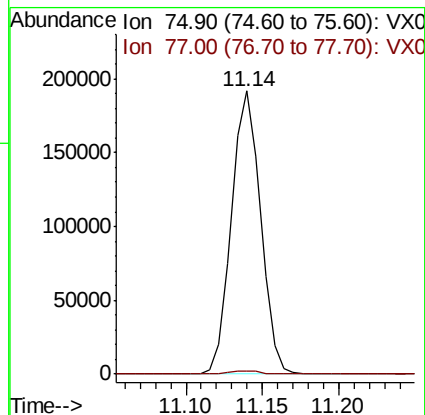
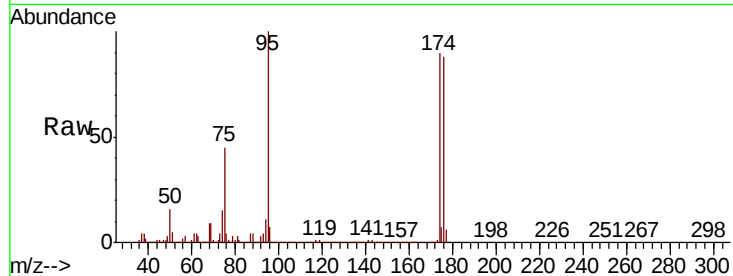
S49-0483

Tot Ion: 75 Resp: 251986

Ion Ratio Lower Upper

75 100

77 1.1 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.465 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006228.D

Acq: 30 Nov 2018 14:16

Tgt Ion: 75 Resp: 251986

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

