

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009929.D
 Acq On : 29 May 2019 10:48
 Operator : JC/SP
 Sample : VX0529WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBL01

Quant Time: May 30 01:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	157493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	107454	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.49	113	78637	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	317534	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	103852	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

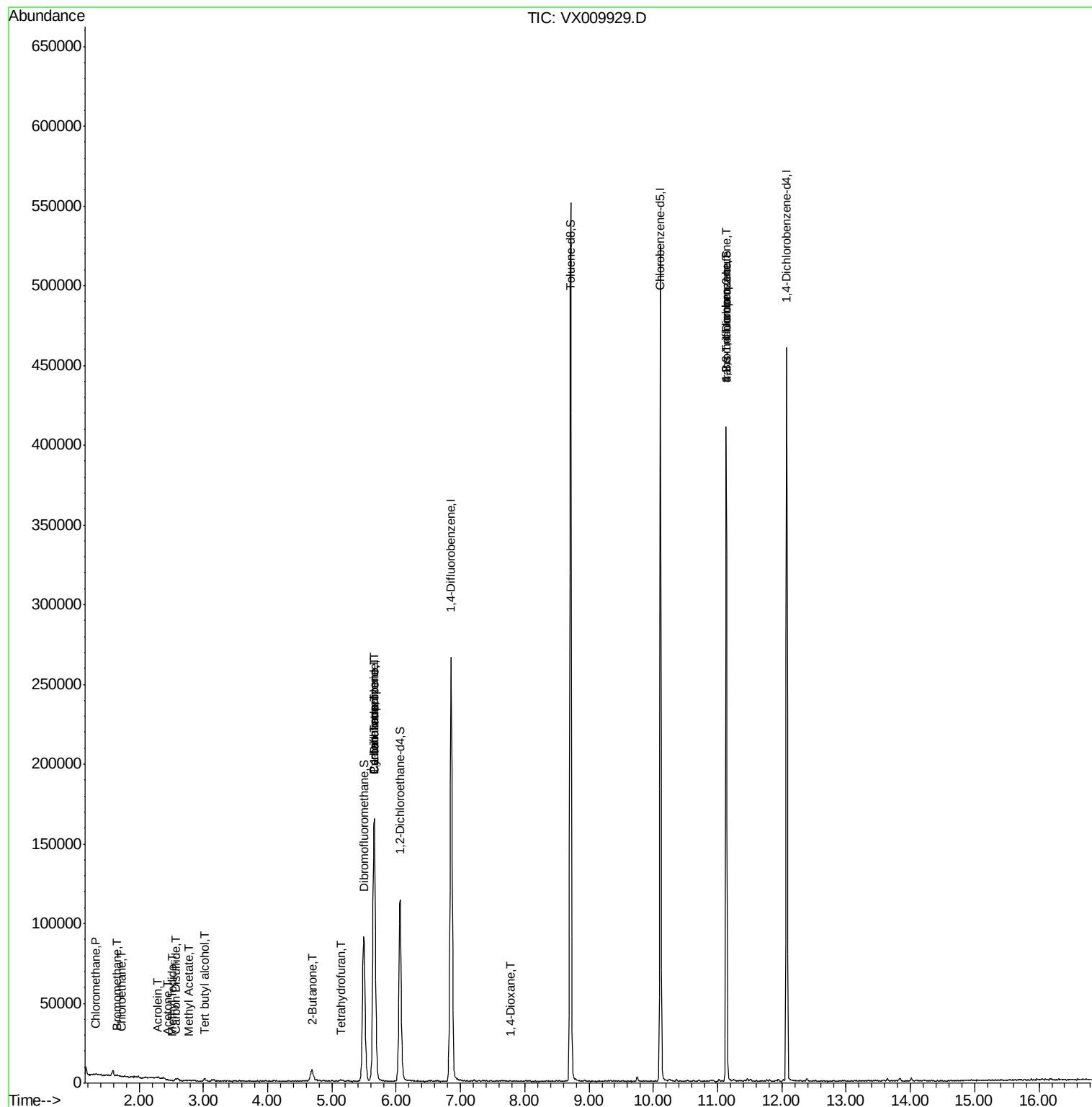
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	531	0.205	ug/l	95
5) Bromomethane	1.67	94	542	0.384	ug/l #	40
6) Chloroethane	1.73	64	305	0.212	ug/l #	43
10) Methyl Iodide	2.52	142	234	4.767	ug/l #	67
11) Tert butyl alcohol	3.02	59	1094	1.998	ug/l #	78
13) Acrolein	2.28	56	308	21.824	ug/l #	34
16) Acetone	2.45	43	322	0.251	ug/l #	52
17) Carbon Disulfide	2.57	76	1215	0.634	ug/l #	86
18) Methyl Acetate	2.77	43	621	0.208	ug/l #	57
25) 2-Butanone	4.69	43	578	0.289	ug/l #	54
29) Tetrahydrofuran	5.13	42	423	0.329	ug/l #	78
31) Cyclohexane	5.66	56	3449	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13166	5.153	ug/l #	51
38) Carbon Tetrachloride	5.65	117	15143	6.858	ug/l #	15
49) 1,4-Dioxane	7.77	88	19	0.359	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52874	23.508	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	52874	58.163	ug/l #	10

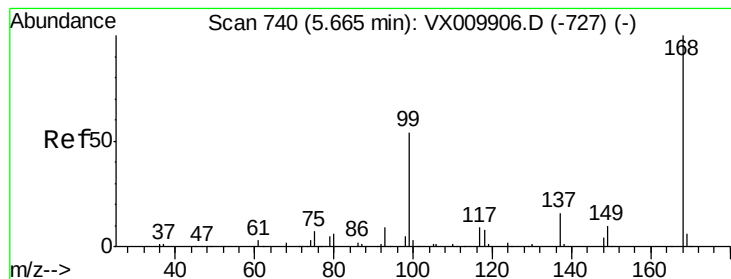
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

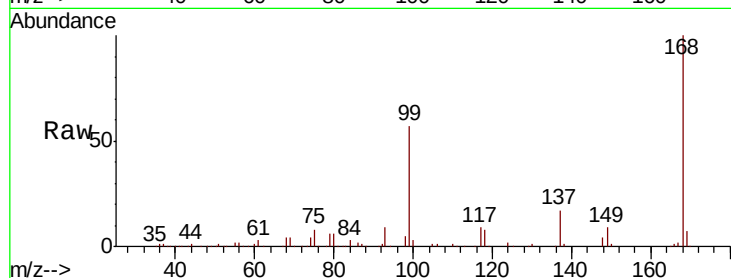
VX0529WBL01

Tot Ion:168 Resp: 157493

Ion Ratio Lower Upper

168 100

99 57.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

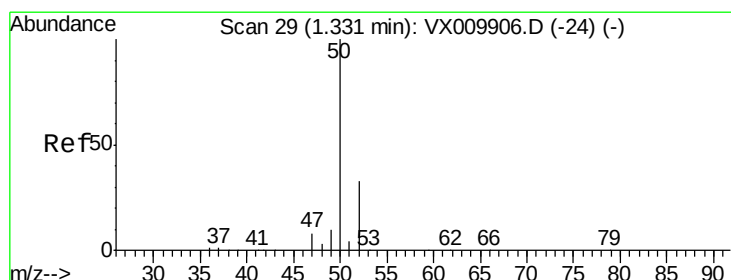
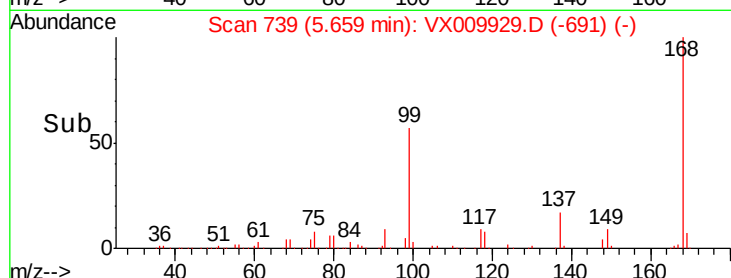
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009929.D

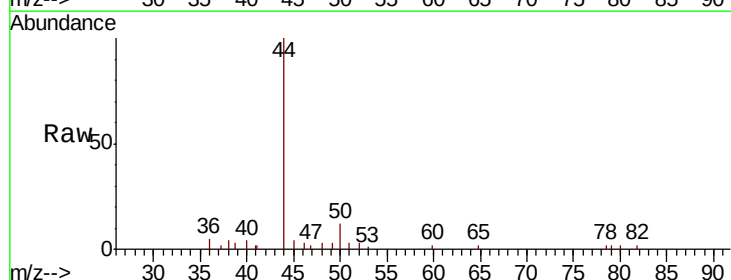
Acq: 29 May 2019 10:48

Tgt Ion: 50 Resp: 531

Ion Ratio Lower Upper

50 100

52 30.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

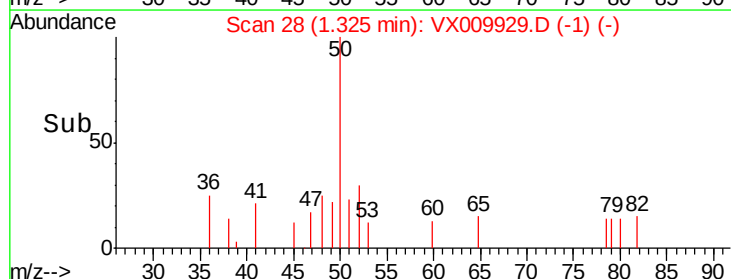
200

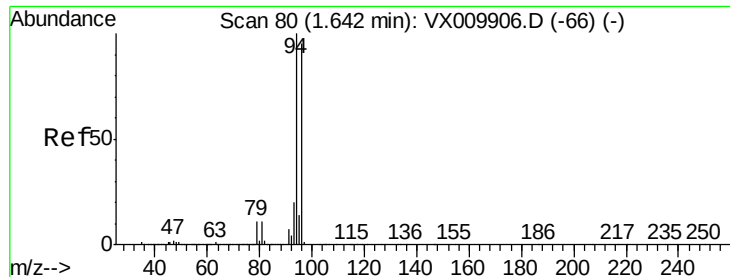
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

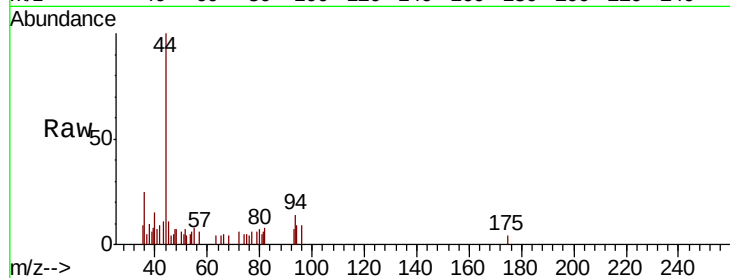
VX0529WBL01

Tot Ion: 94 Resp: 542

Ion Ratio Lower Upper

94 100

96 37.3 76.2 114.4#

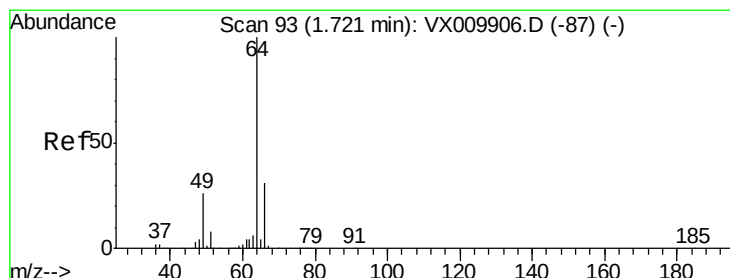
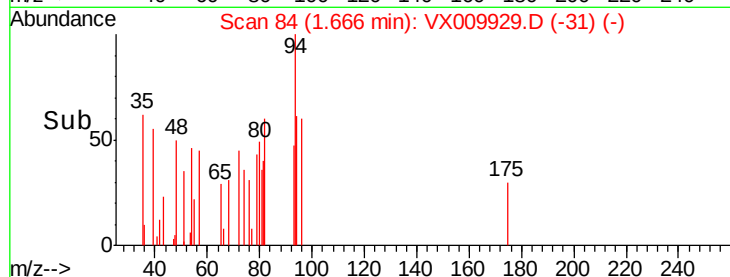


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

Time-->



#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX009929.D

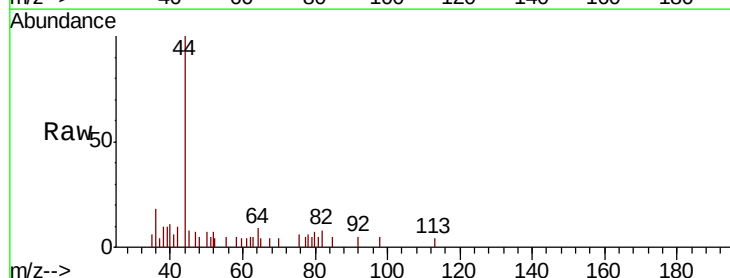
Acq: 29 May 2019 10:48

Tgt Ion: 64 Resp: 305

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

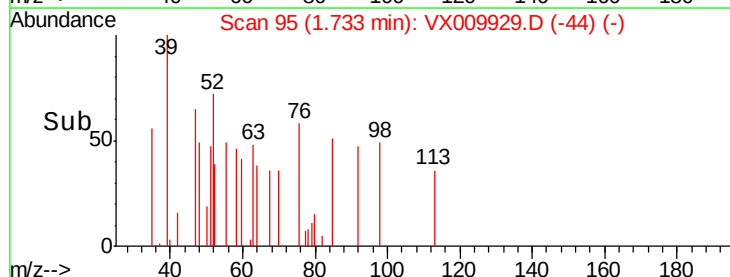


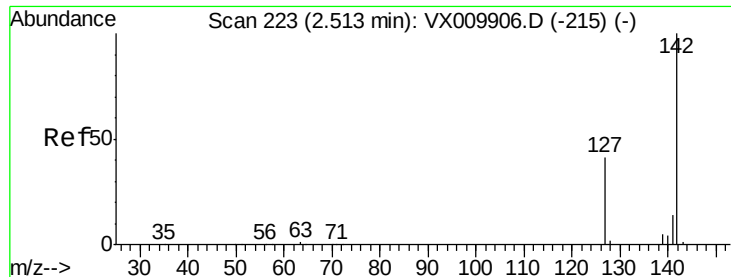
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

Time-->

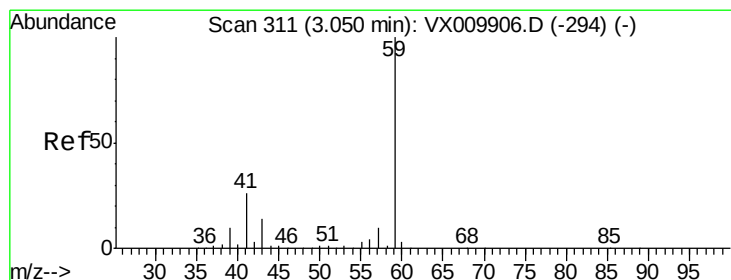
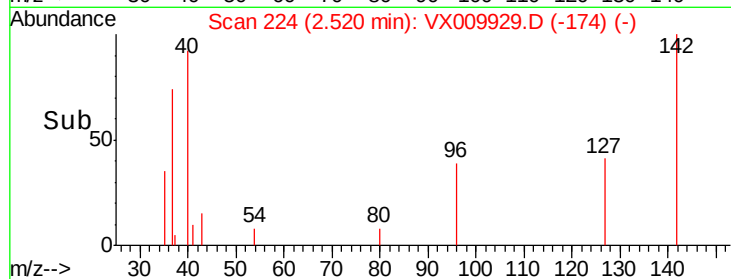
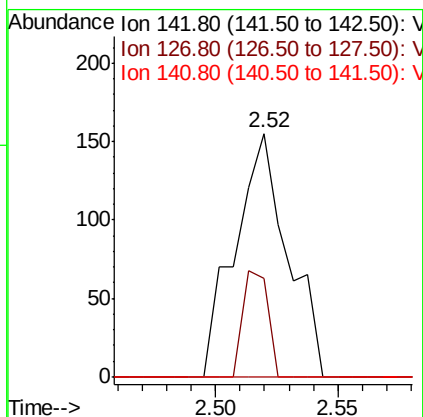
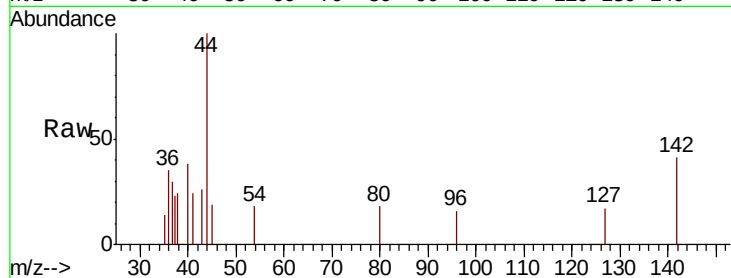




#10
Methvl Iodide
Concen: 4.767 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

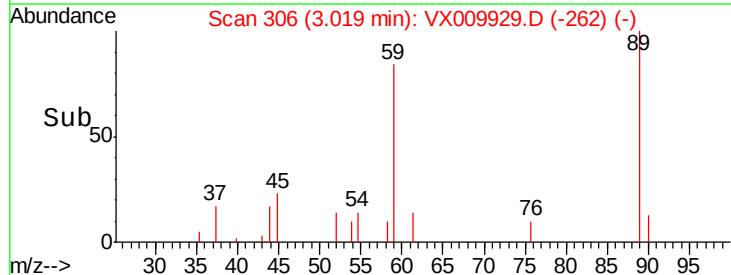
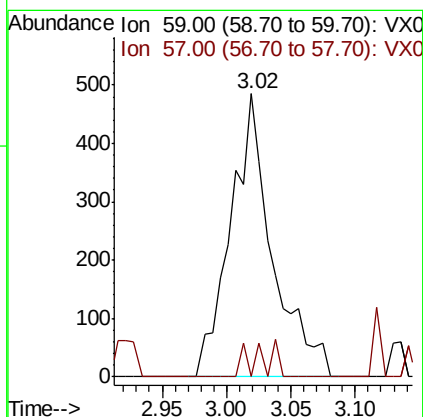
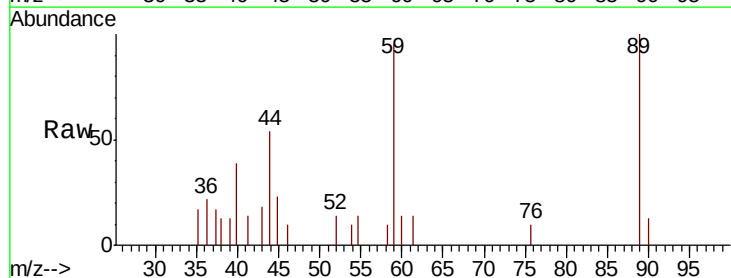
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

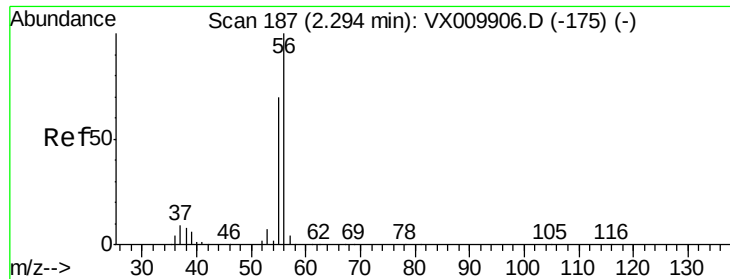
Tot Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
127 20.5 33.0 49.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.998 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

Tgt Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.2#





#13

Acrolein

Concen: 21.824 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

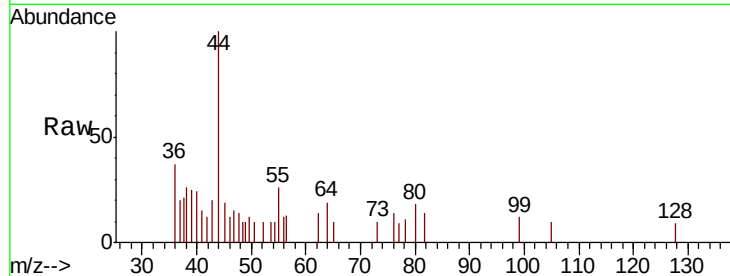
VX0529WBL01

Tot Ion: 56 Resp: 308

Ion Ratio Lower Upper

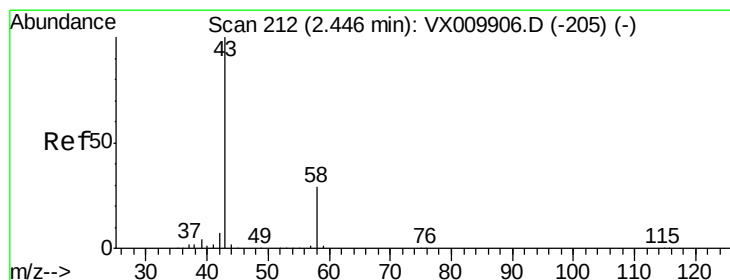
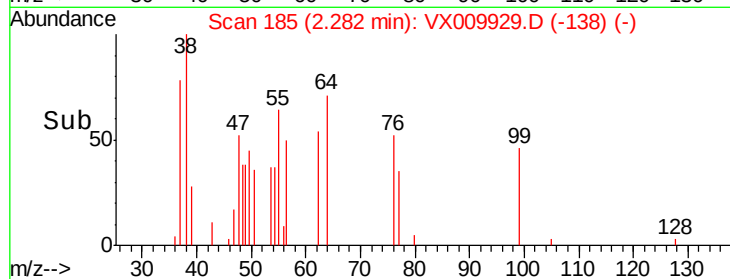
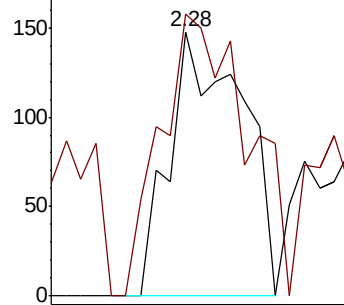
56 100

55 126.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.251 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009929.D

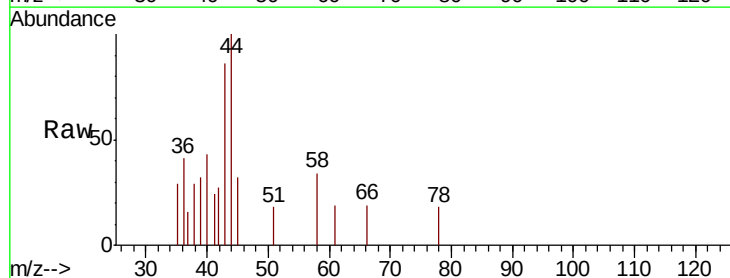
Acq: 29 May 2019 10:48

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

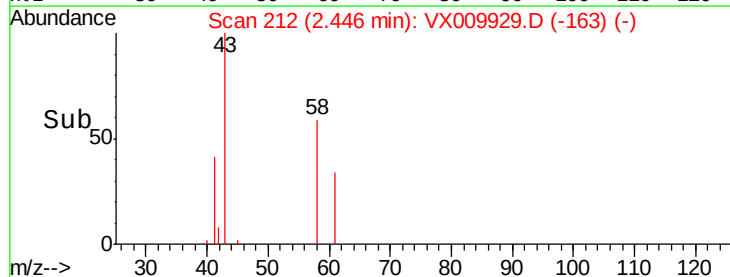
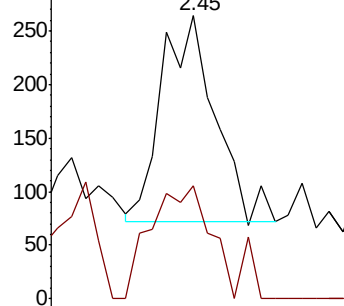
43 100

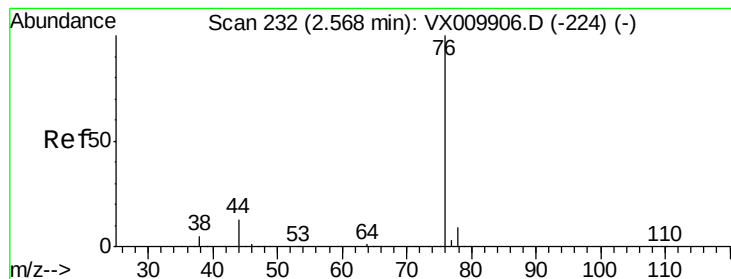
58 54.7 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.634 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

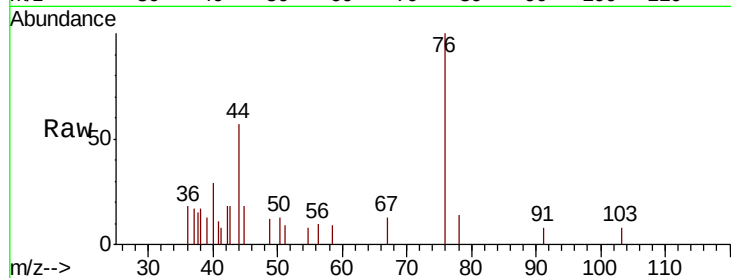
VX0529WBL01

Tot Ion: 76 Resp: 1215

Ion Ratio Lower Upper

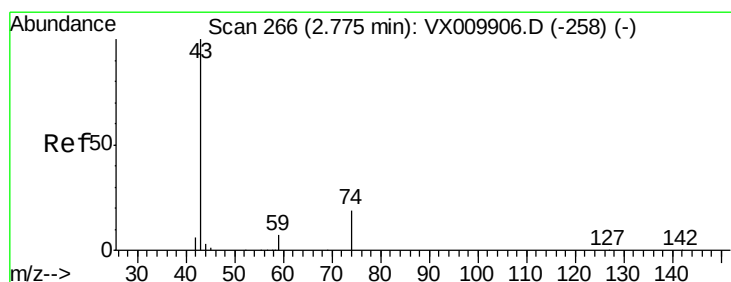
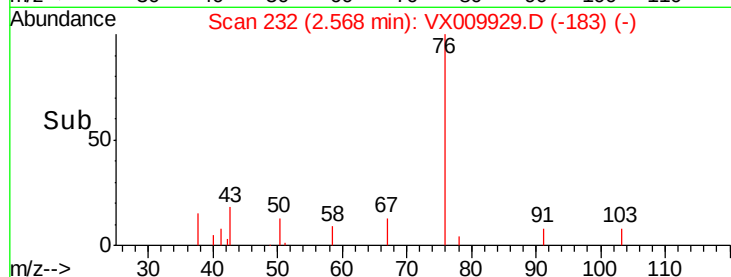
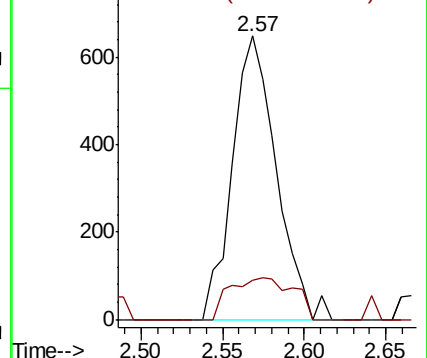
76 100

78 13.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.208 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009929.D

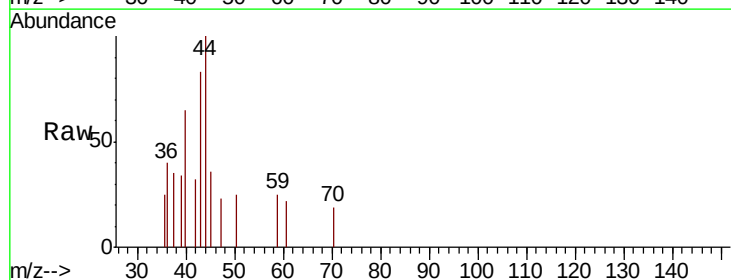
Acq: 29 May 2019 10:48

Tgt Ion: 43 Resp: 621

Ion Ratio Lower Upper

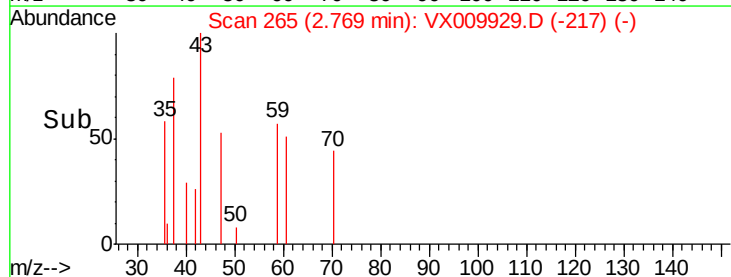
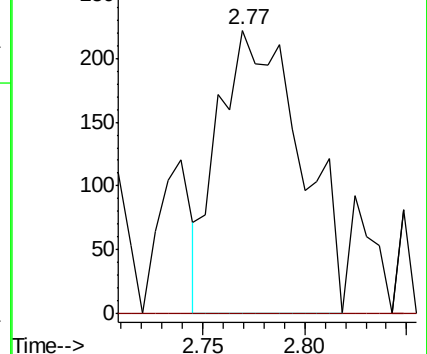
43 100

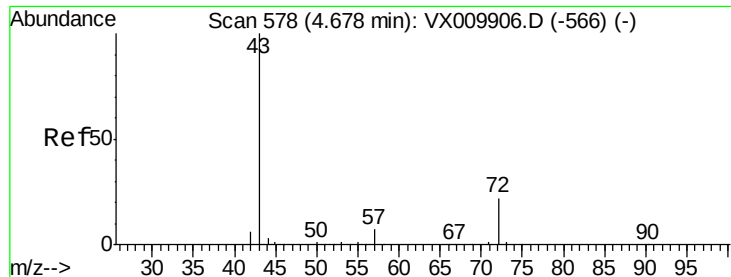
74 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.289 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

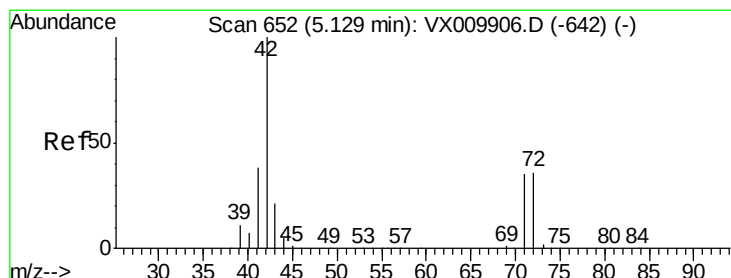
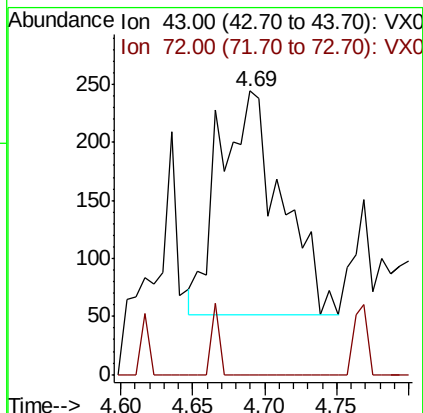
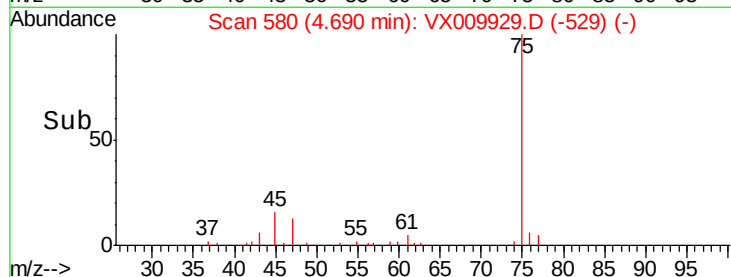
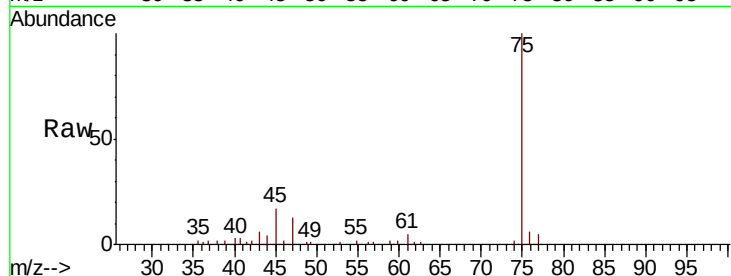
VX0529WBL01

Tot Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

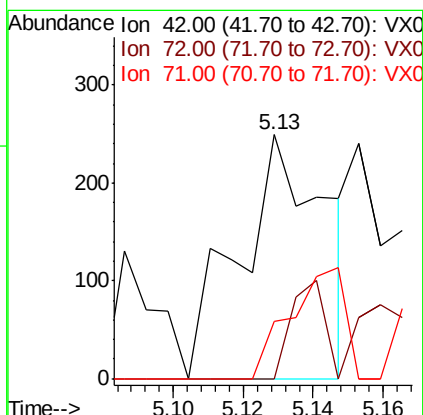
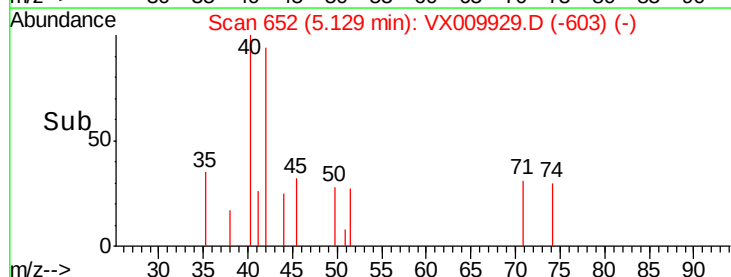
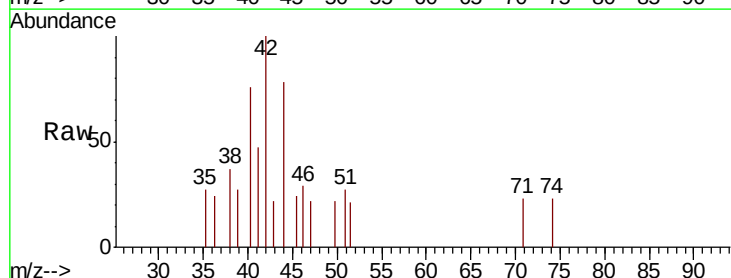
Tgt Ion: 42 Resp: 423

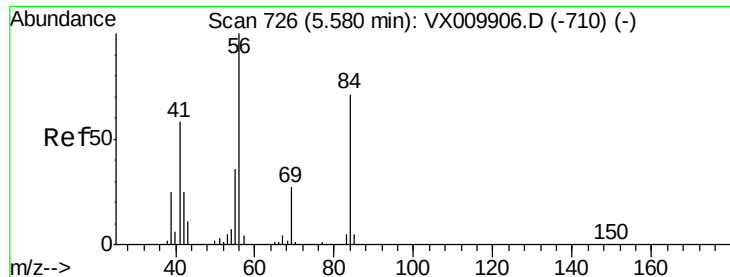
Ion Ratio Lower Upper

42 100

72 16.1 29.2 43.8#

71 29.3 27.6 41.4

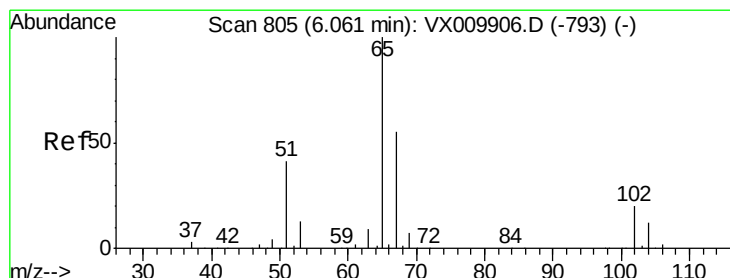
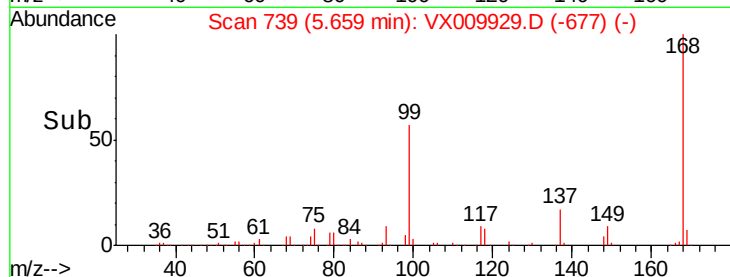
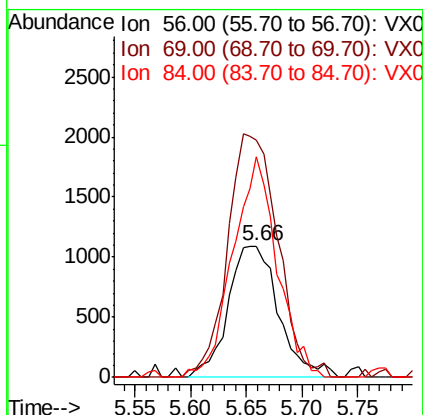
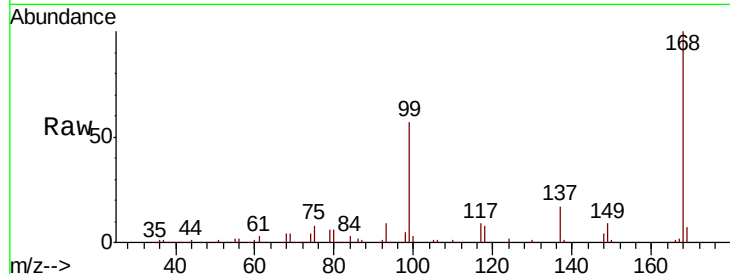




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

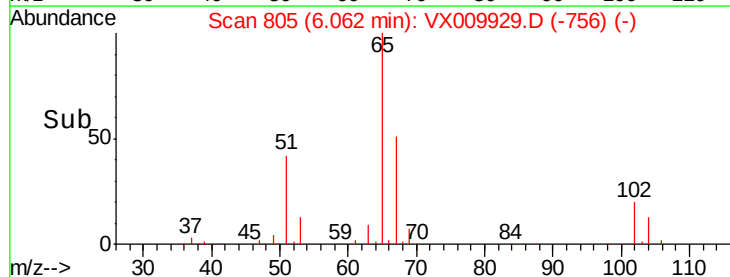
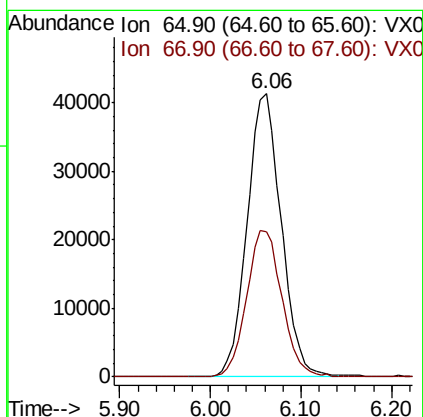
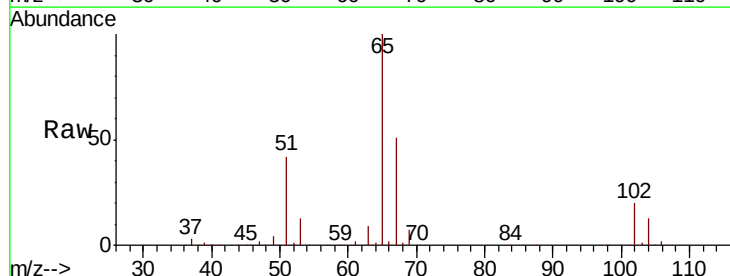
Instrument :
MSVOA_X
ClientSampled :
VX0529WBL01

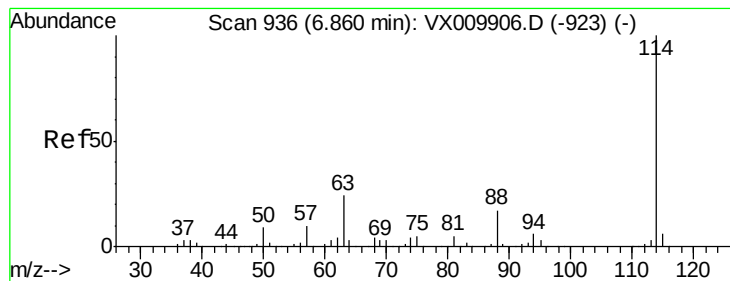
Tot Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 181.3 21.6 32.4#
84 168.2 56.8 85.2#



#33
1,2-Dichloroethane-d4
Concen: 48.300 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

Tgt Ion: 65 Resp: 107454
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

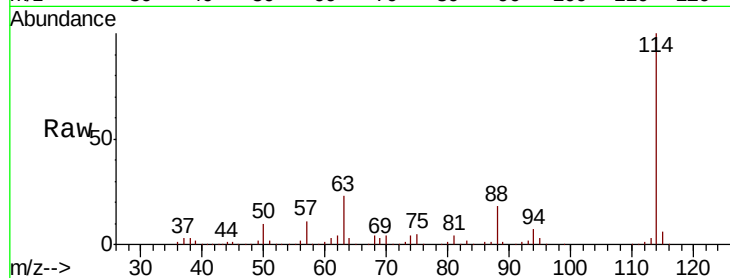
Tot Ion:114 Resp: 251839

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.4

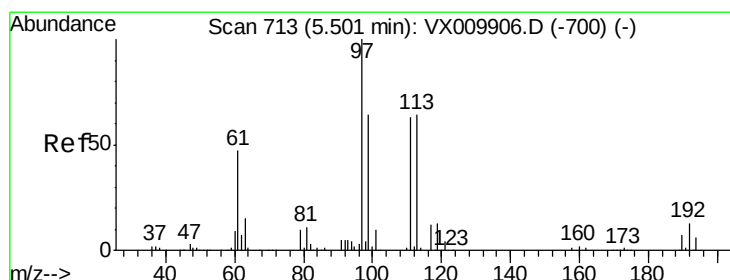
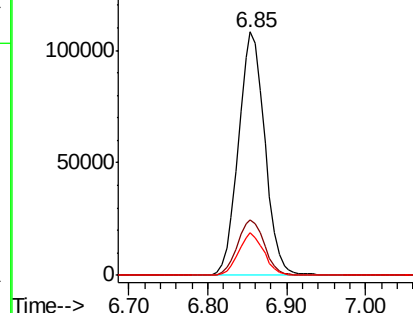
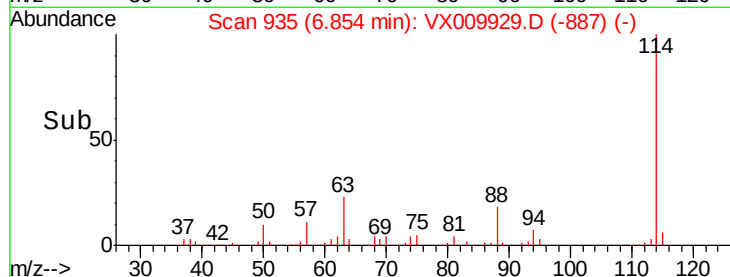
88 17.6 0.0 33.0



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: 49.666 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

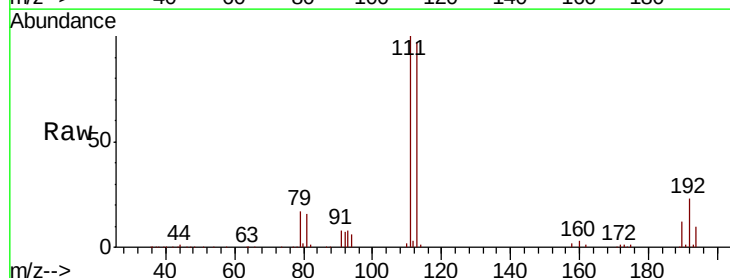
Tgt Ion:113 Resp: 78637

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

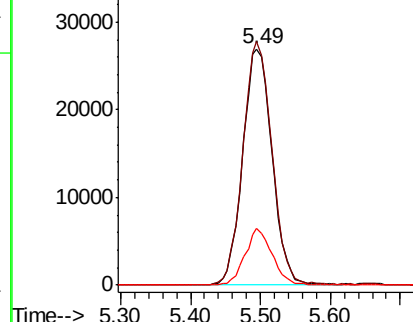
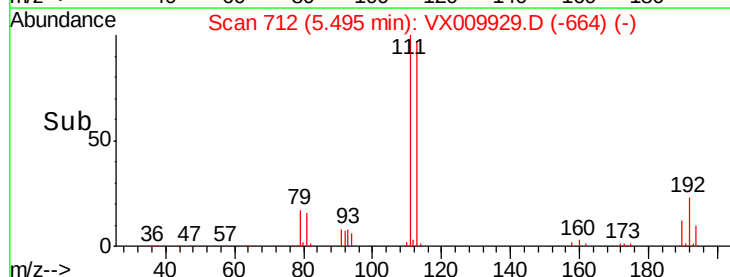
192 22.1 17.1 25.7

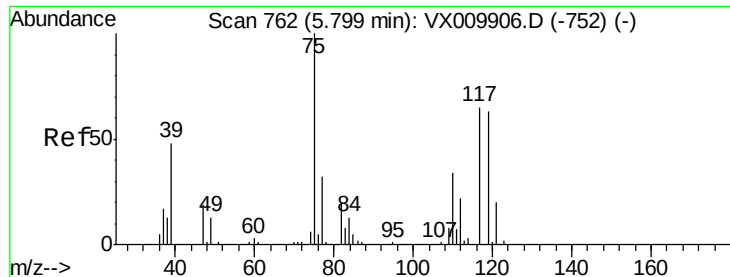


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

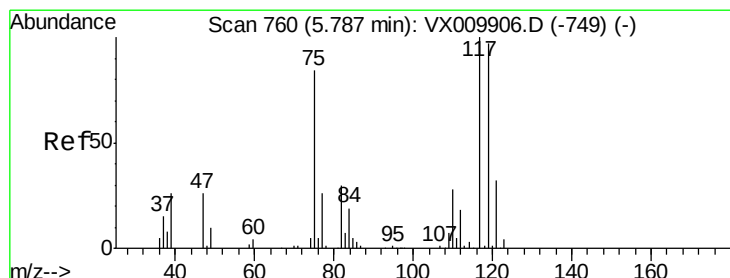
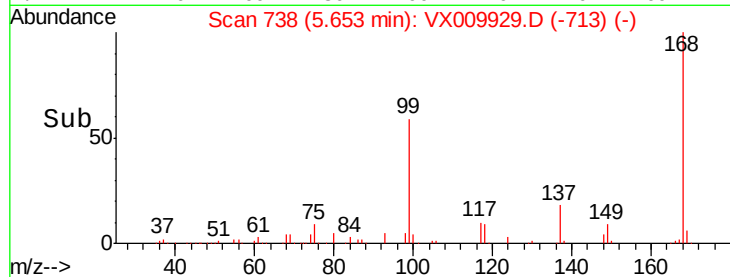
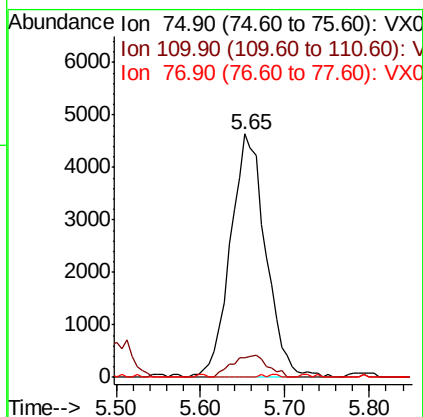
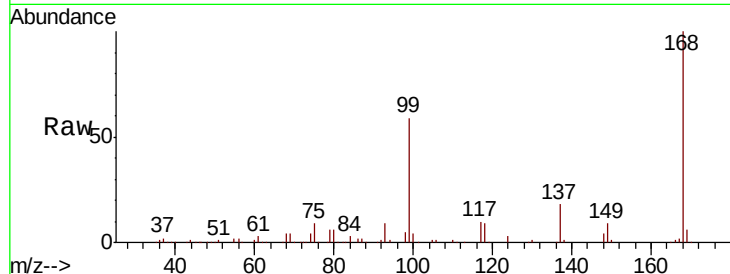




#36
 1,1-Dichloropropene
 Concen: 5.153 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009929.D
 Acq: 29 May 2019 10:48

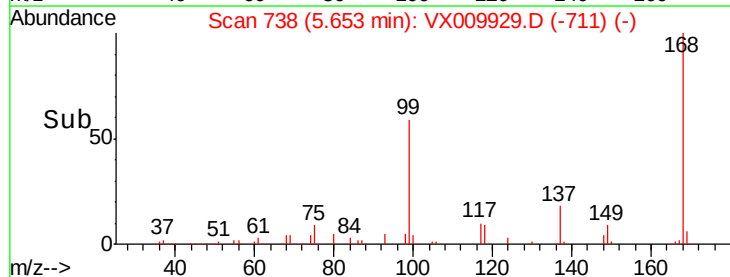
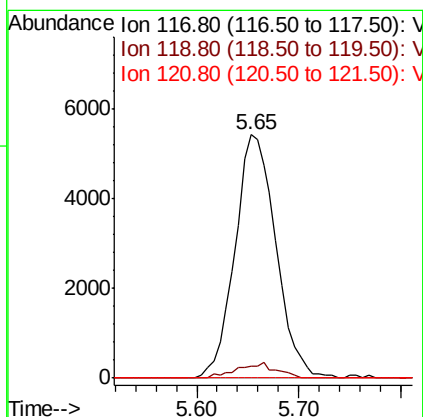
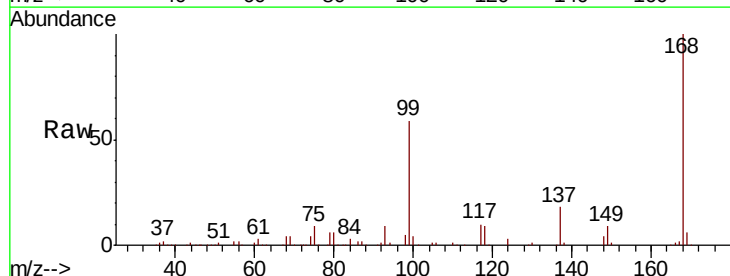
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBL01

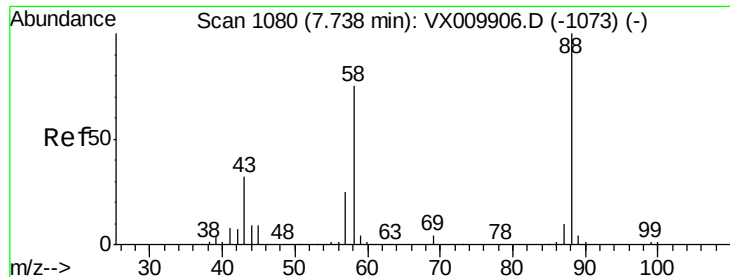
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.7	50.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.858 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX009929.D
 Acq: 29 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.3	115.9#
121	0.0	25.4	38.0#

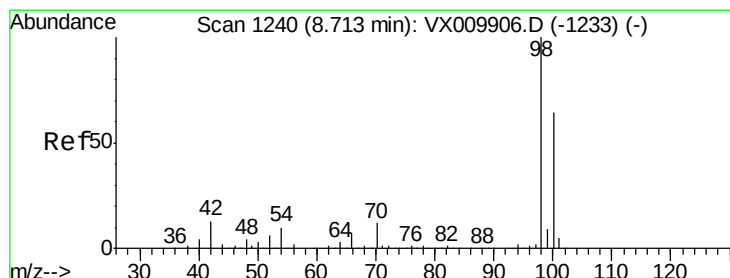
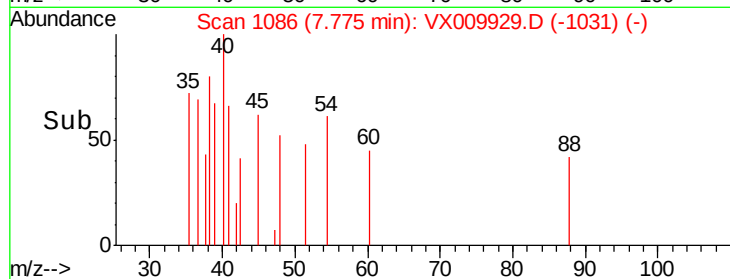
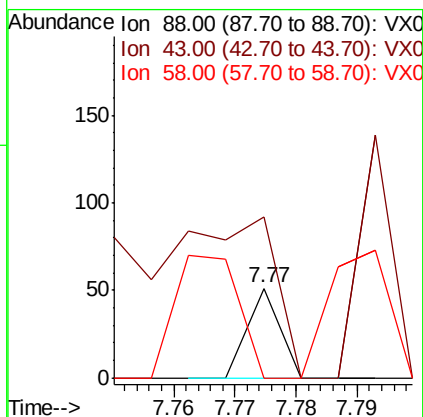
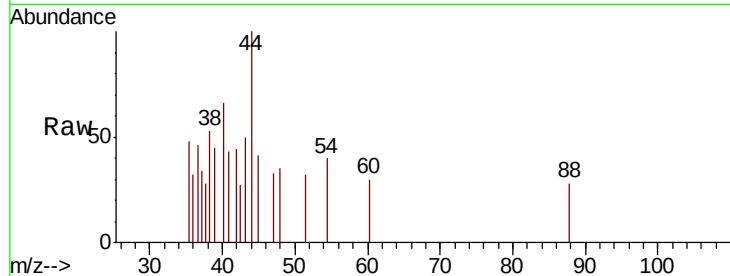




#49
1,4-Dioxane
Concen: 0.359 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

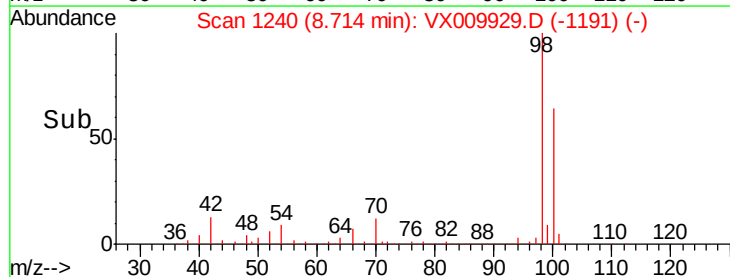
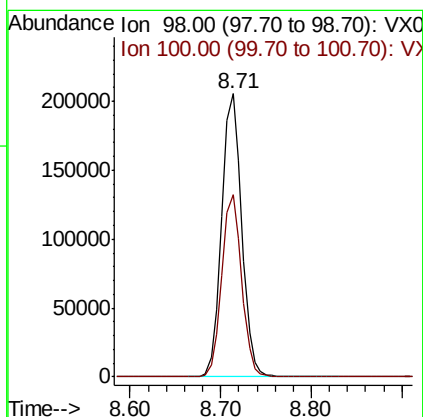
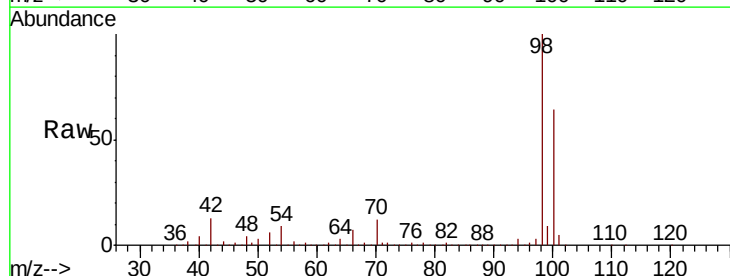
Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

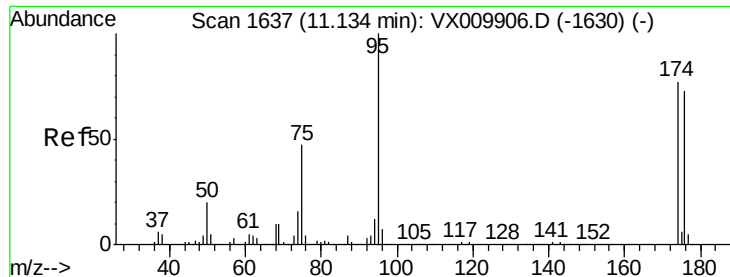
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 489.5 30.2 45.4#
58 263.2 64.0 96.0#



#50
Toluene-d8
Concen: 49.387 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

Tgt Ion: 98 Resp: 317534
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 44.970 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

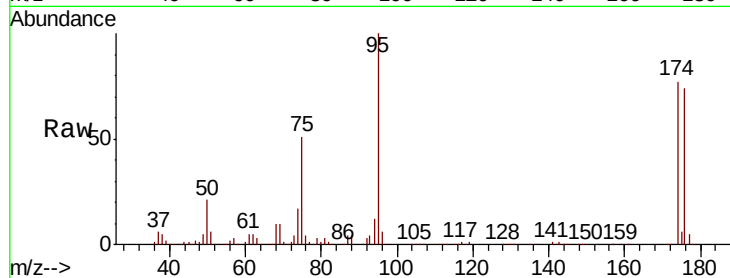
Tot Ion: 95 Resp: 103852

Ion Ratio Lower Upper

95 100

174 80.2 0.0 160.4

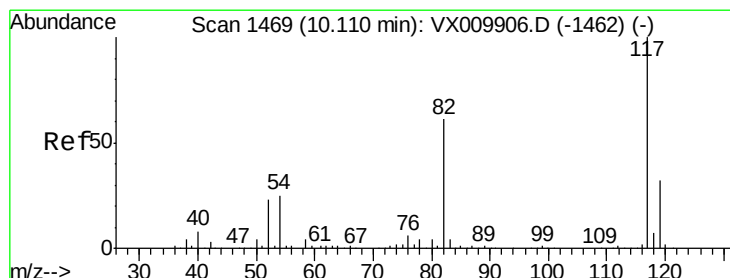
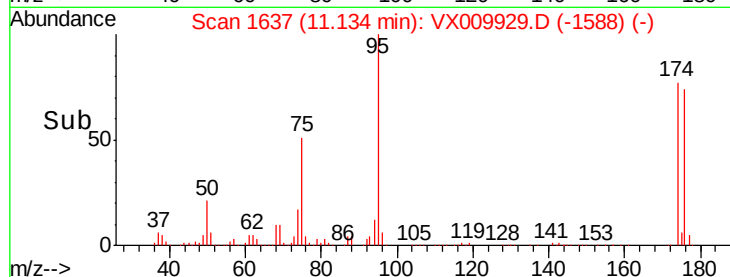
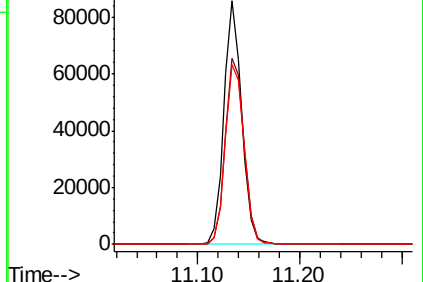
176 78.0 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009929.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009929.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009929.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

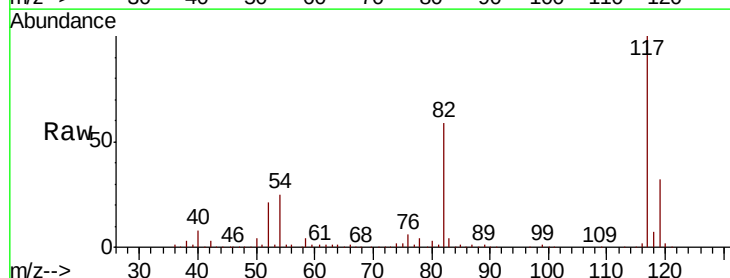
Tgt Ion: 117 Resp: 221384

Ion Ratio Lower Upper

117 100

82 59.1 49.2 73.8

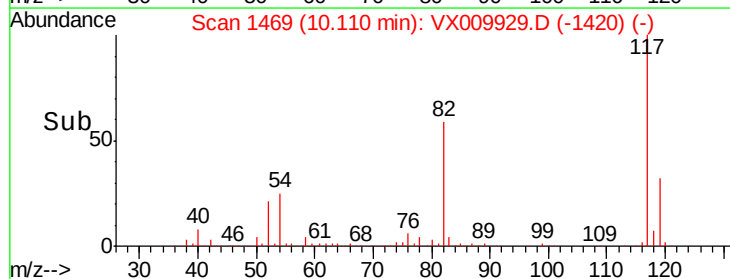
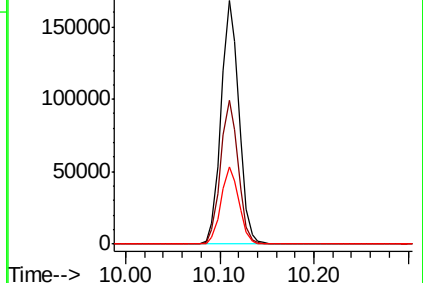
119 31.6 25.2 37.8

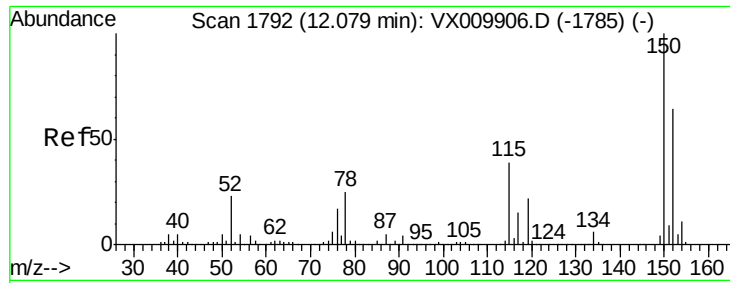


Abundance Ion 116.90 (116.60 to 117.60): VX009929.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009929.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009929.D (-1420) (-)



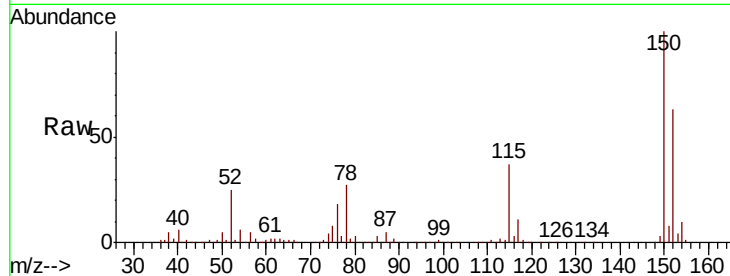


#72

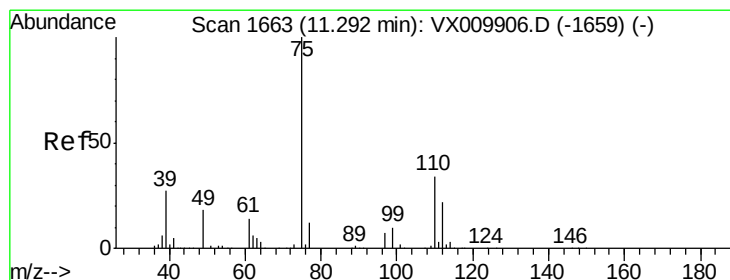
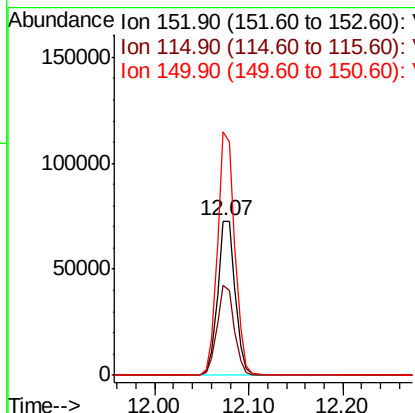
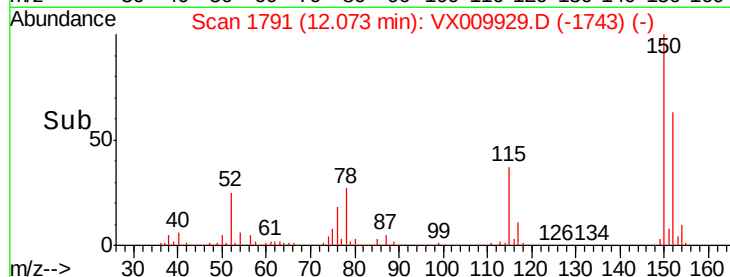
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBL01

Tot Ion:152 Resp: 94056
Ion Ratio Lower Upper
152 100
115 57.2 41.4 124.2
150 155.3 0.0 345.2



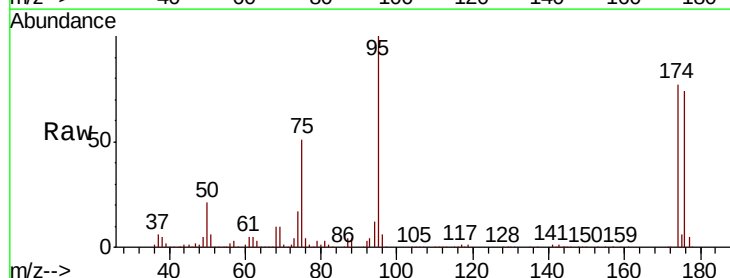
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



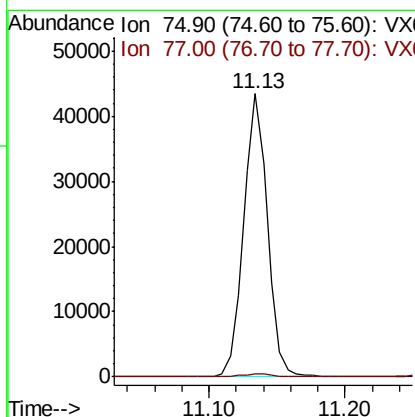
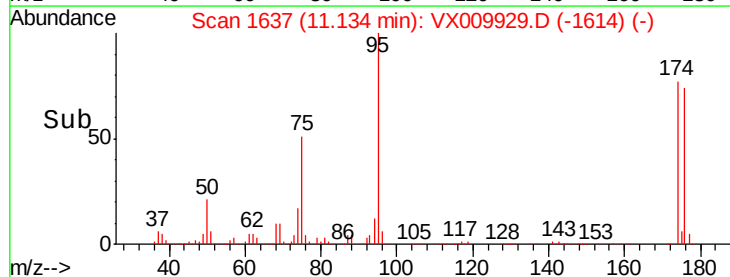
#76

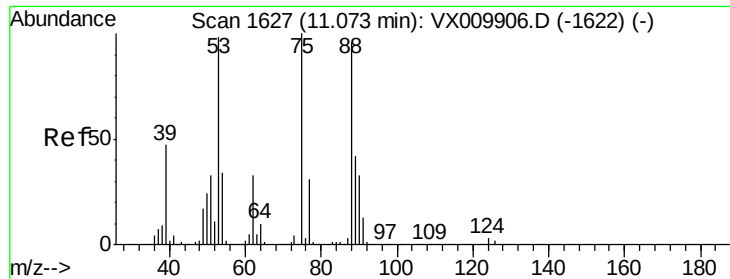
1,2,3-Trichloropropane
Concen: 23.508 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009929.D
Acq: 29 May 2019 10:48

Tgt Ion: 75 Resp: 52874
Ion Ratio Lower Upper
75 100
77 1.3 22.1 66.1#



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: 58.163 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009929.D

Acq: 29 May 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

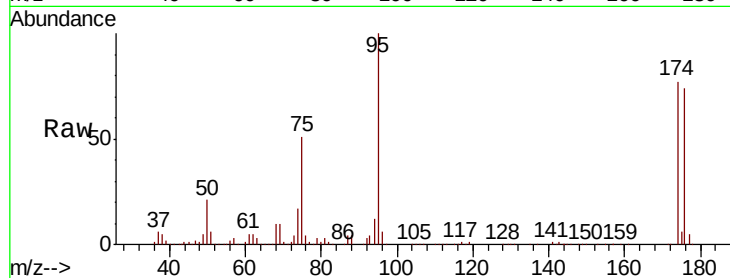
Tot Ion: 75 Resp: 52874

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

