

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012920\
 Data File : VX014765.D
 Acq On : 29 Jan 2020 15:45
 Operator : JC/SP
 Sample : VX0129MBL02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 29 22:47:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	439702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	683614	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	619893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	294095	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	252877	49.25	ug/l	0.00
Spiked Amount						
			Recovery	=	98.50%	
35) Dibromofluoromethane	5.49	113	198372	45.99	ug/l	0.00
Spiked Amount						
			Recovery	=	91.98%	
50) Toluene-d8	8.71	98	817287	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	280963	47.56	ug/l	0.00
Spiked Amount						
			Recovery	=	95.12%	

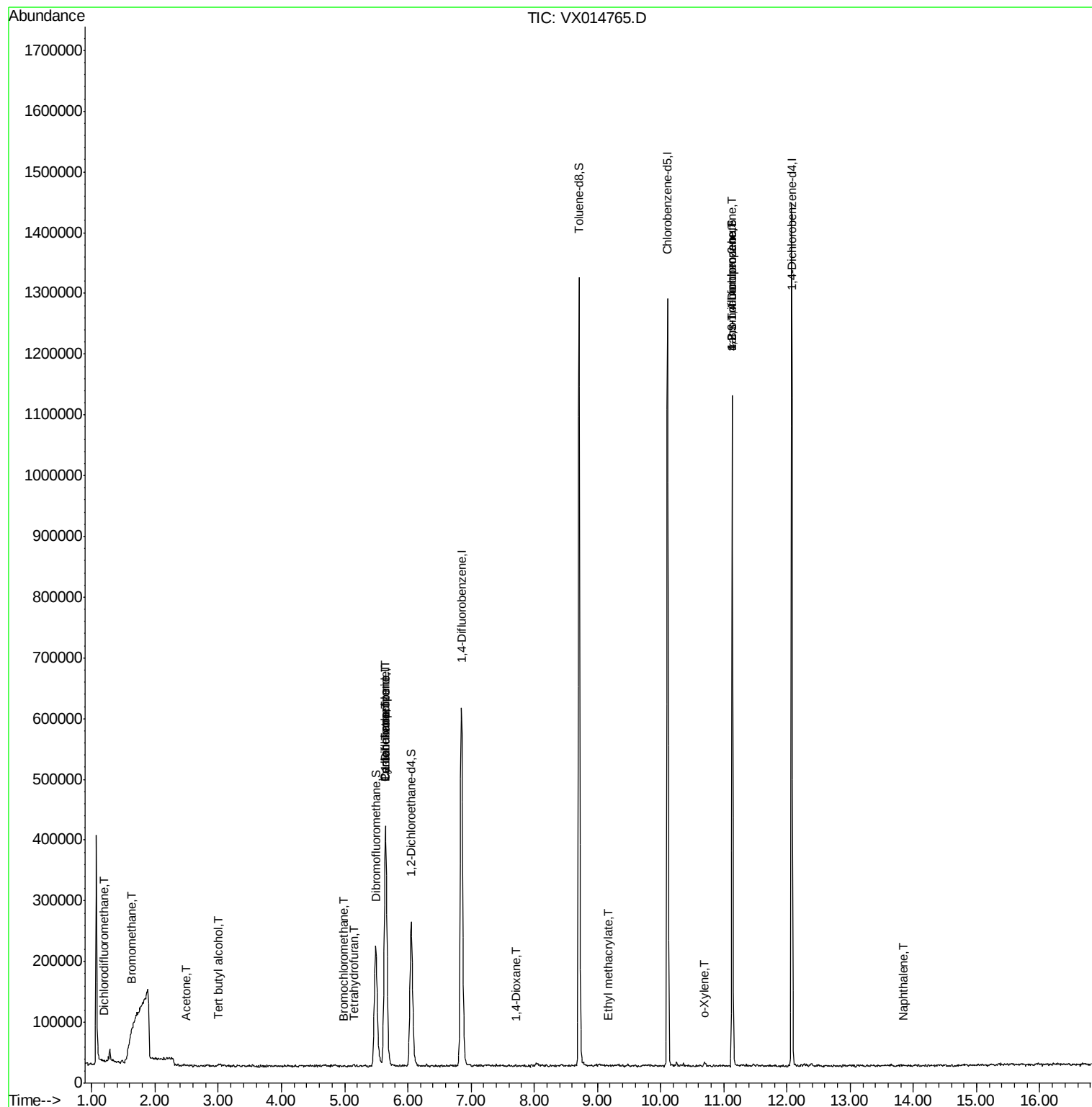
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	217	0.568	ug/l #	65
5) Bromomethane	1.63	94	2829	0.648	ug/l	97
6) Chloroethane	1.73	64	167	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2370	2.056	ug/l #	72
16) Acetone	2.48	43	4006	1.573	ug/l #	77
28) Bromochloromethane	4.98	49	1128	0.302	ug/l #	12
29) Tetrahydrofuran	5.14	42	806	0.337	ug/l	94
31) Cyclohexane	5.64	56	8133	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	30847	4.856	ug/l #	53
38) Carbon Tetrachloride	5.64	117	39051	6.437	ug/l #	15
41) Methacrylonitrile	5.05	41	476	Below Cal	#	25
49) 1,4-Dioxane	7.72	88	359	2.975	ug/l #	1
56) Ethyl methacrylate	9.17	69	518	1.844	ug/l #	23
69) o-Xylene	10.70	106	1965	0.237	ug/l	82
76) 1,2,3-Trichloropropane	11.14	75	138837	20.291	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	138837	57.744	ug/l #	10
95) Naphthalene	13.84	128	1116	0.985	ug/l #	87

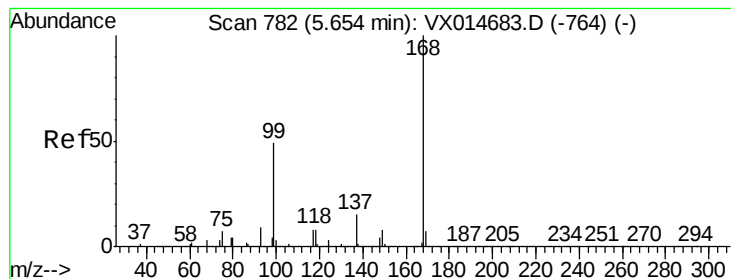
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012920\
Data File : VX014765.D
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 29 22:47:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

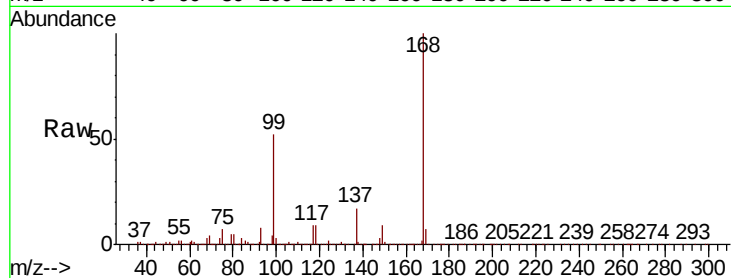
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 439702

Ion Ratio Lower Upper

168 100

99 51.7 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

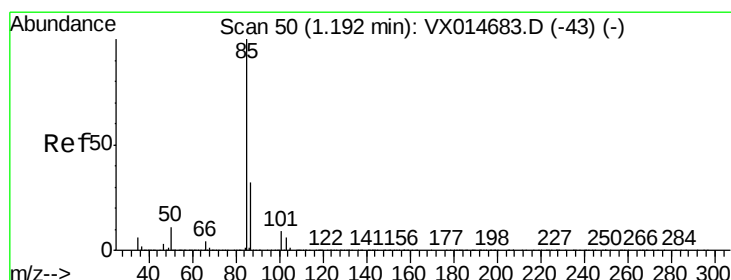
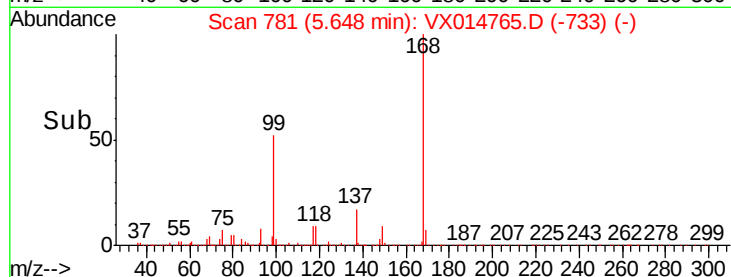
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.568 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014765.D

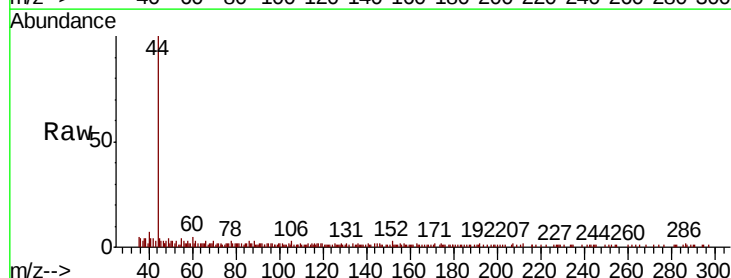
Acq: 29 Jan 2020 15:45

Tgt Ion: 85 Resp: 217

Ion Ratio Lower Upper

85 100

87 12.5 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

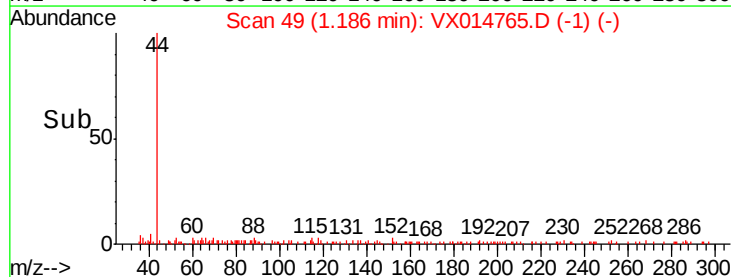
200

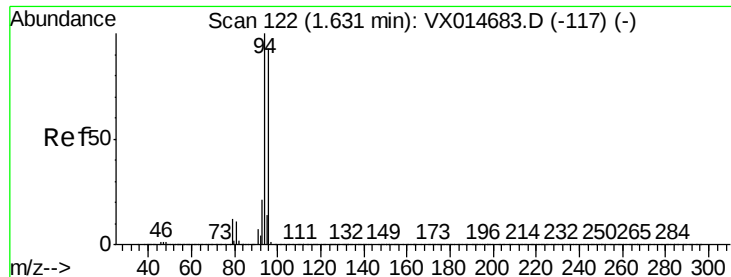
100

0

1.18 1.20 1.22

Time-->





#5

Bromomethane

Concen: 0.648 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :

MSVOA_X

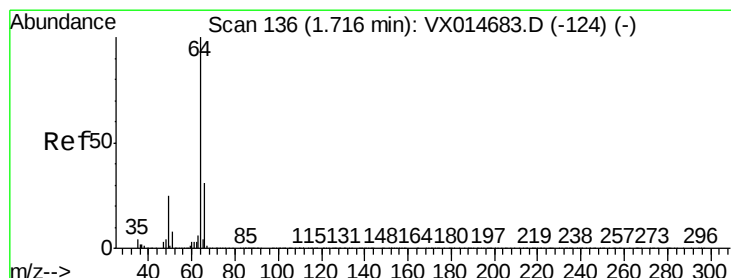
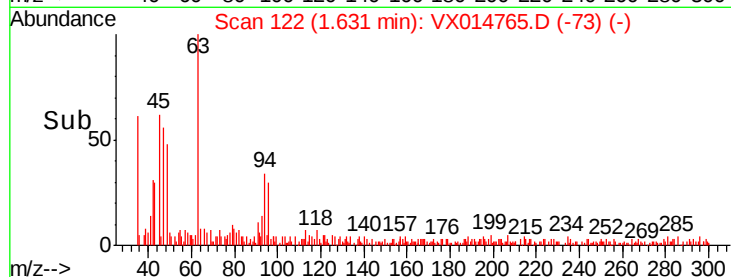
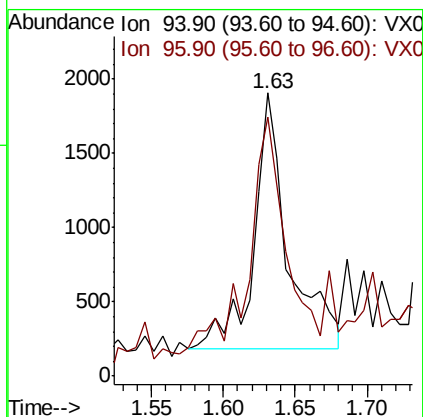
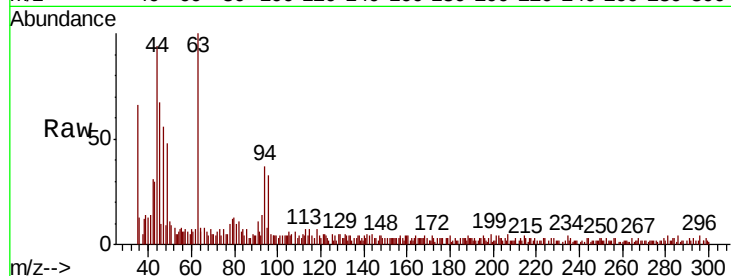
ClientSampleId :

Tot Ion: 94 Resp: 2829

Ion Ratio Lower Upper

94 100

96 90.1 74.7 112.1



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX014765.D

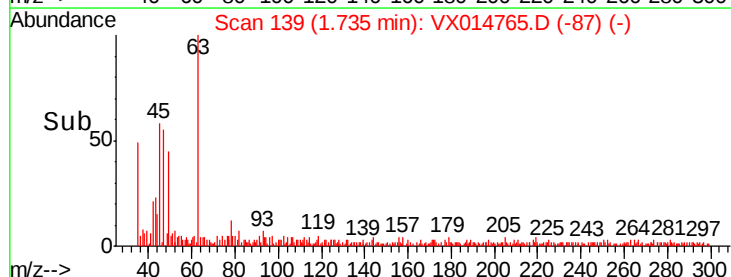
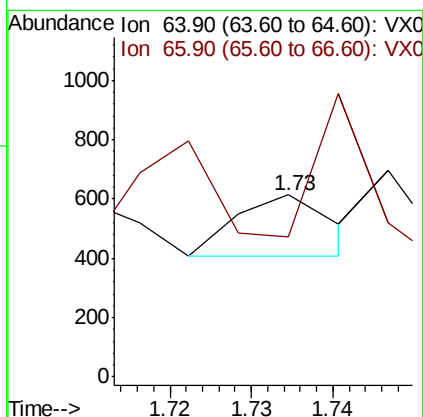
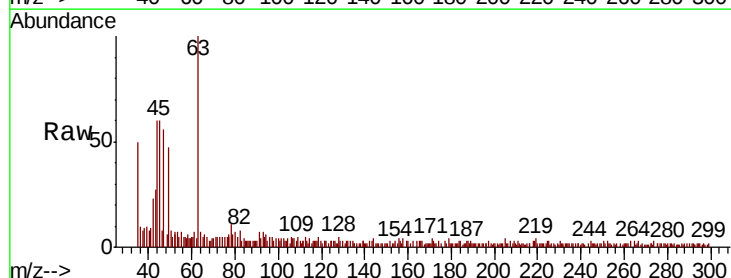
Acq: 29 Jan 2020 15:45

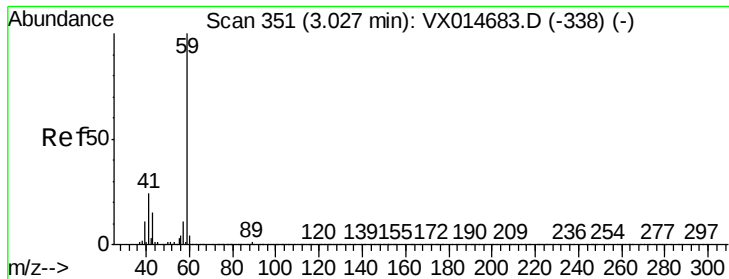
Tgt Ion: 64 Resp: 167

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#

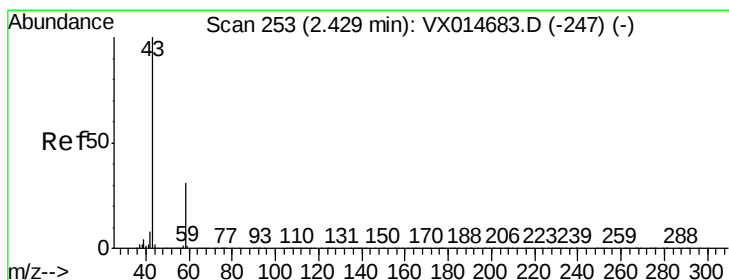
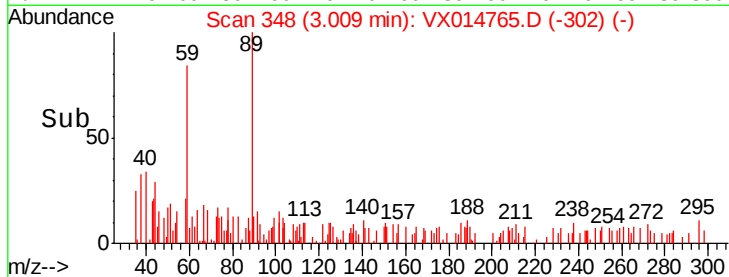
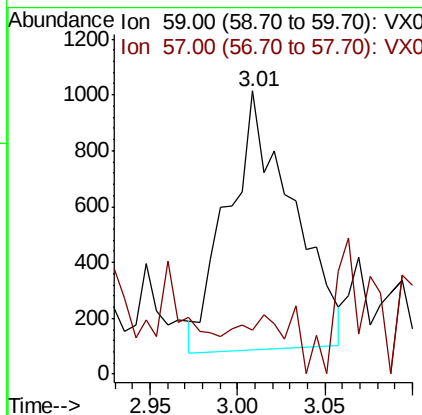
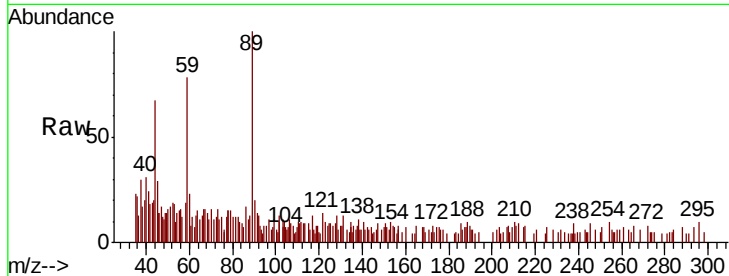




#11
Tert butyl alcohol
Concen: 2.056 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

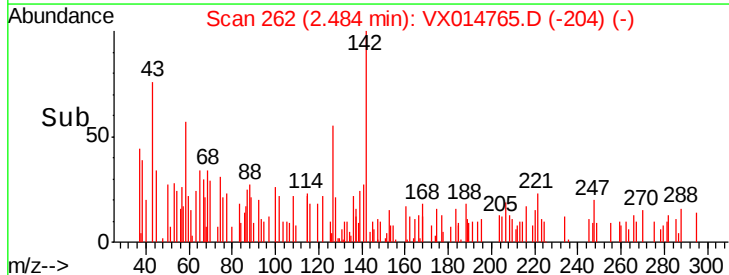
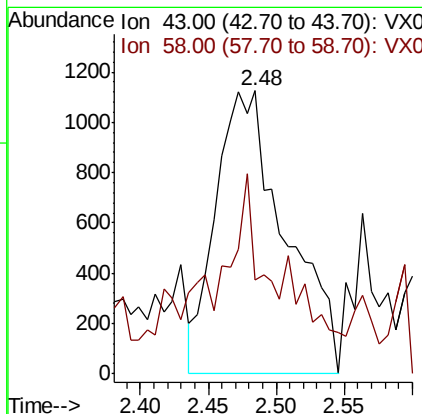
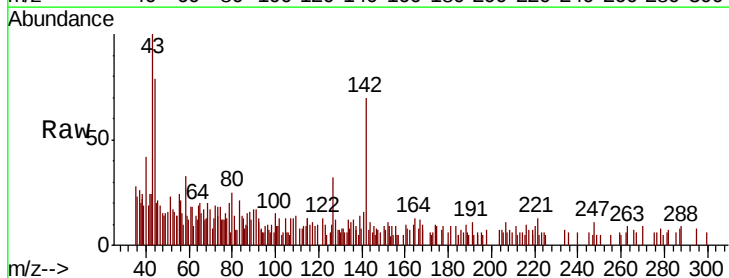
Instrument :
MSVOA_X
ClientSampled :

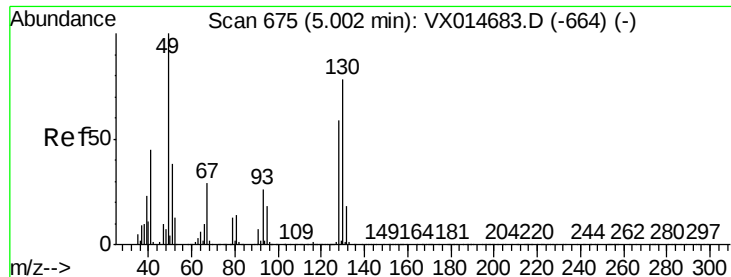
Tot Ion: 59 Resp: 2370
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.573 ug/l
RT: 2.48 min Scan# 262
Delta R.T. 0.06 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

Tgt Ion: 43 Resp: 4006
Ion Ratio Lower Upper
43 100
58 18.1 24.5 36.7#





#28

Bromochloromethane

Concen: 0.302 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :
MSVOA_X
ClientSampled :

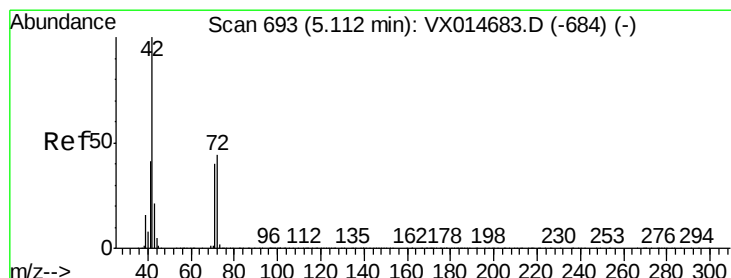
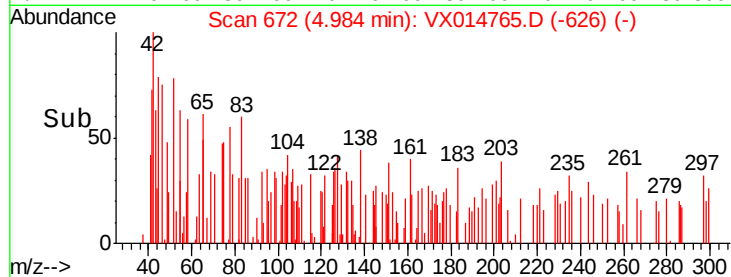
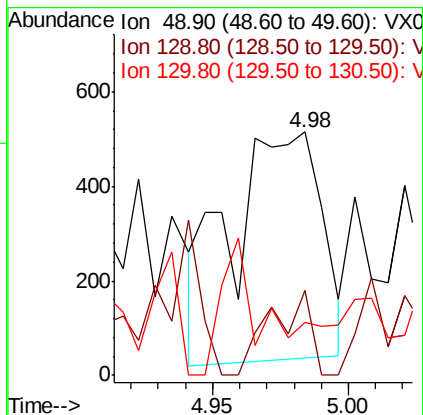
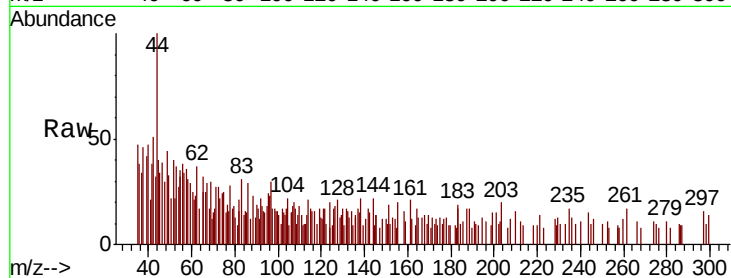
Tot Ion: 49 Resp: 1128

Ion Ratio Lower Upper

49 100

129 16.4 0.0 4.8#

130 0.0 62.4 93.6#



#29

Tetrahydrofuran

Concen: 0.337 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

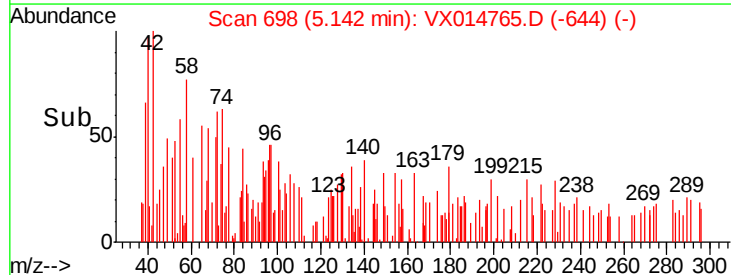
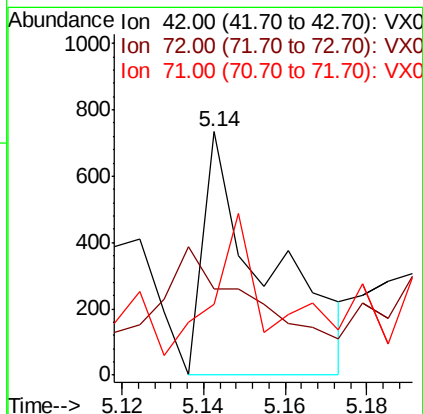
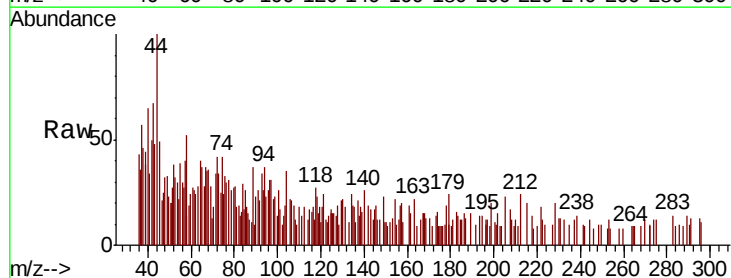
Tgt Ion: 42 Resp: 806

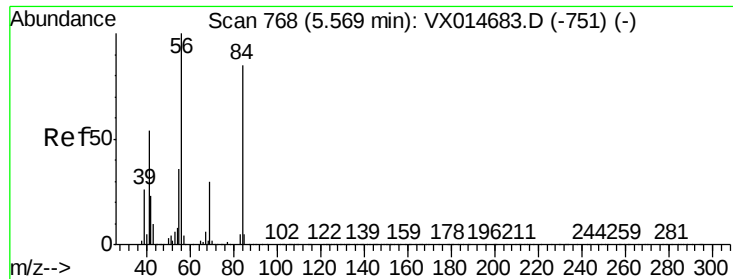
Ion Ratio Lower Upper

42 100

72 49.8 35.3 52.9

71 39.3 33.1 49.7

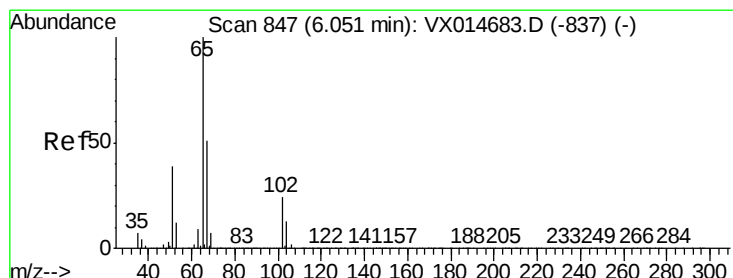
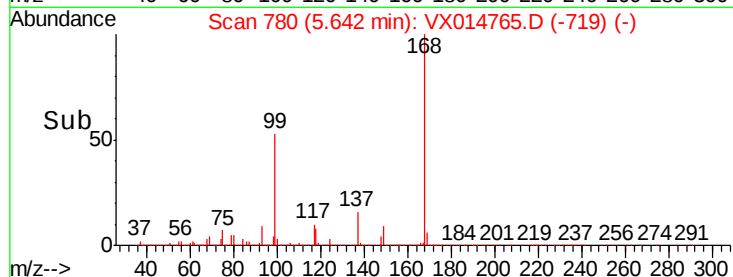
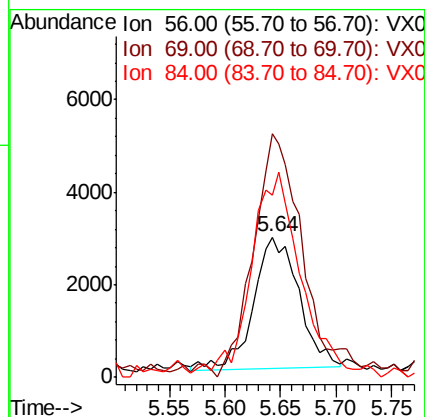
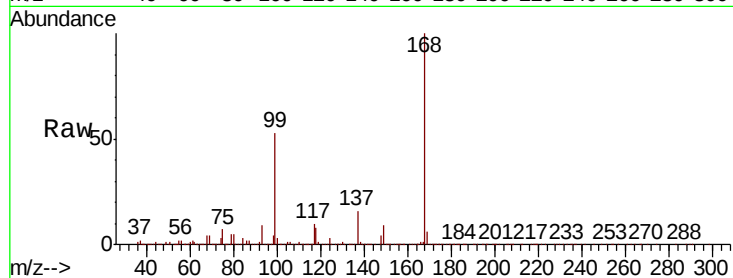




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

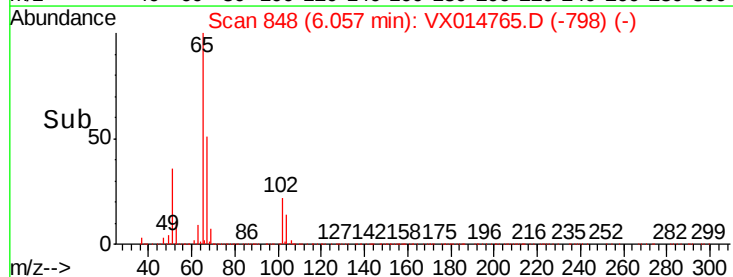
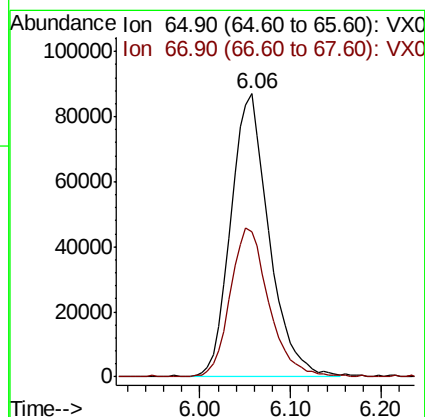
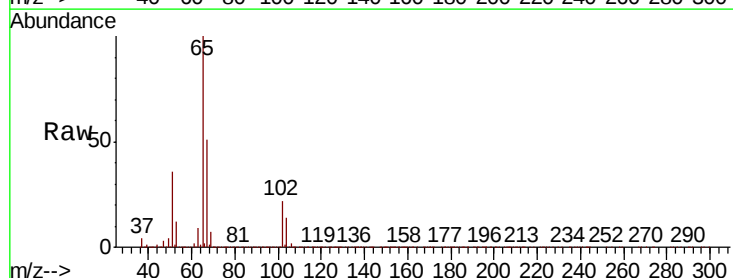
Instrument :
MSVOA_X
ClientSampleId :

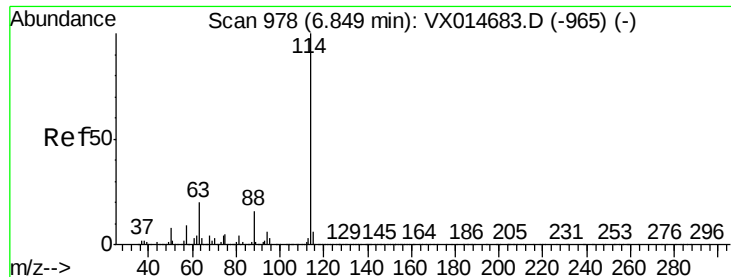
Tot Ion: 56 Resp: 8133
Ion Ratio Lower Upper
56 100
69 183.0 23.4 35.2#
84 137.0 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 49.249 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

Tgt Ion: 65 Resp: 252877
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

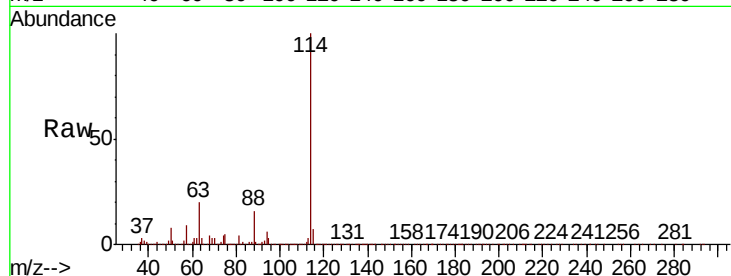
Tot Ion:114 Resp: 683614

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

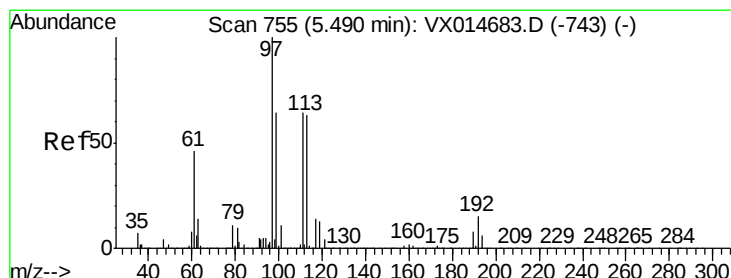
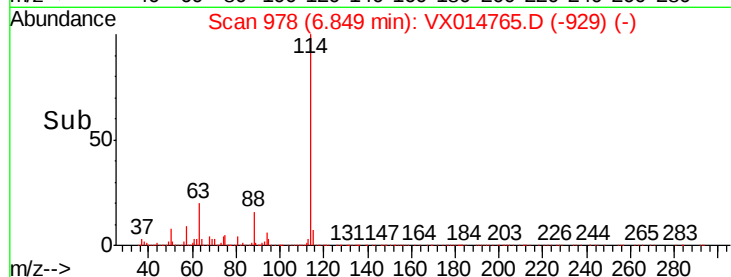
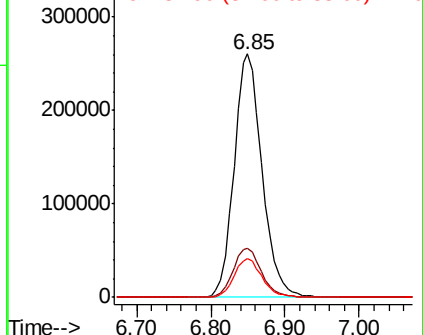
88 15.7 0.0 31.2



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: 45.988 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

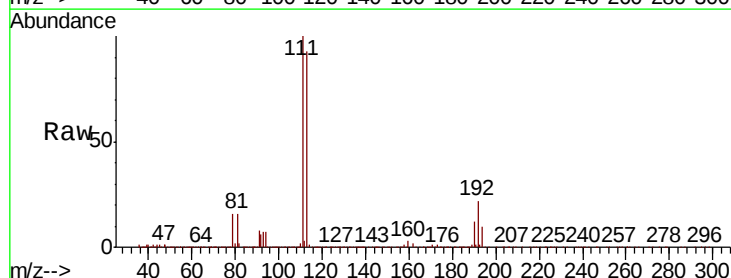
Tgt Ion:113 Resp: 198372

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

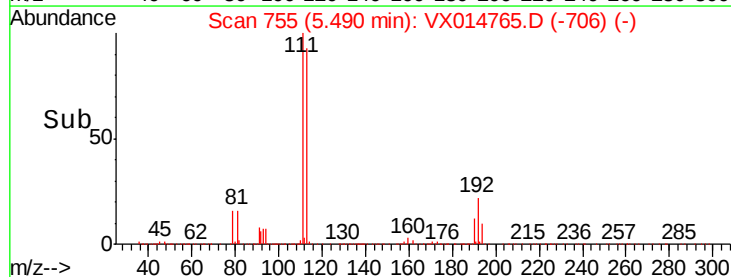
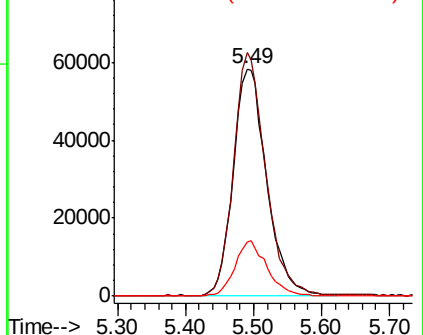
192 23.1 18.5 27.7

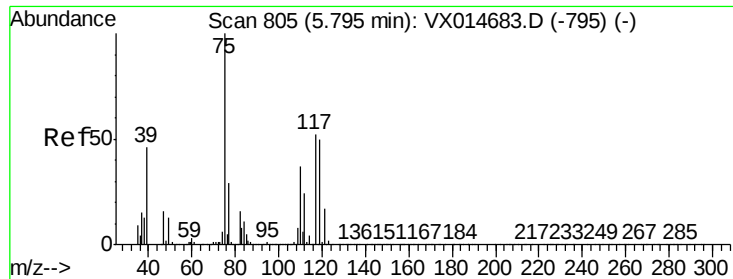


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

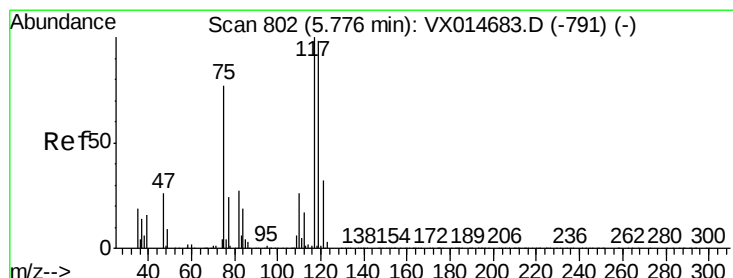
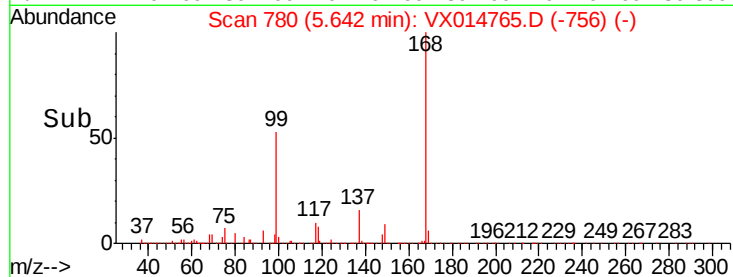
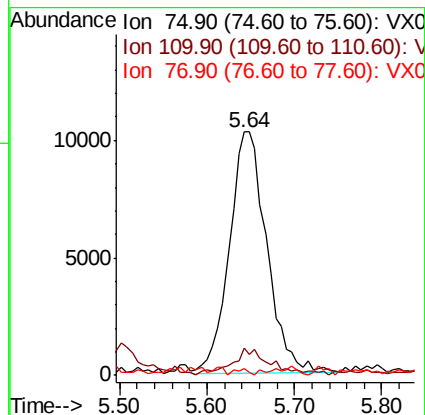
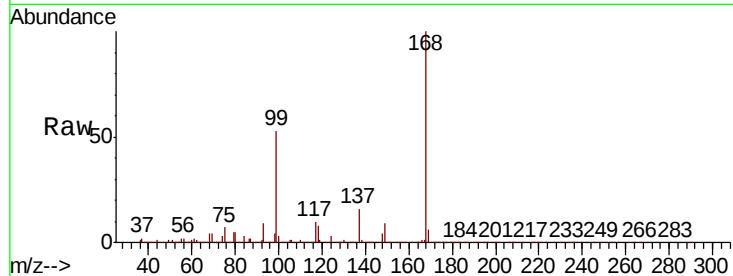




#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014765.D
 Acq: 29 Jan 2020 15:45

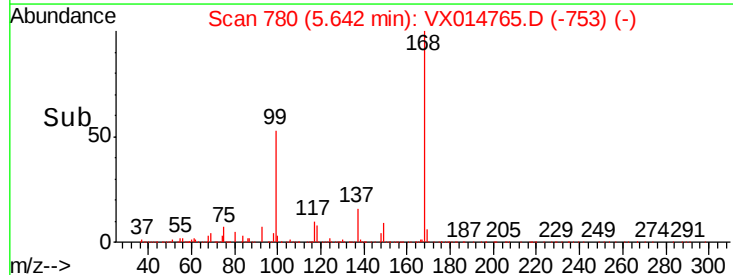
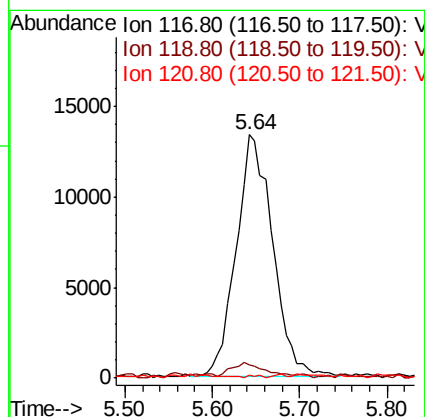
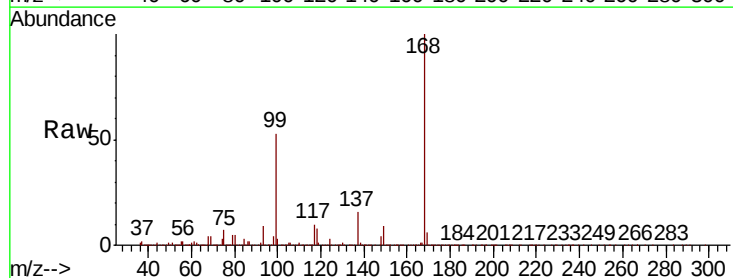
Instrument :
 MSVOA_X
 ClientSampled :

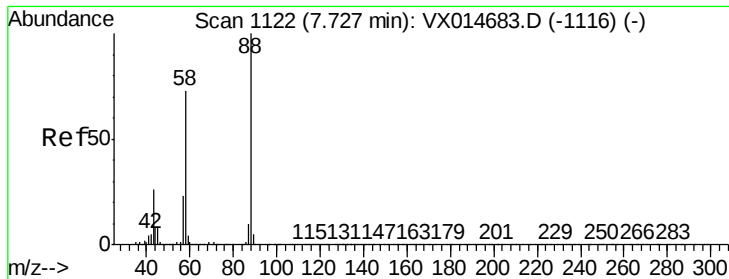
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.8	17.9	53.7#
77	1.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.437 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX014765.D
 Acq: 29 Jan 2020 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.9	116.9#
121	0.0	25.4	38.2#





#49

1,4-Dioxane

Concen: 2.975 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

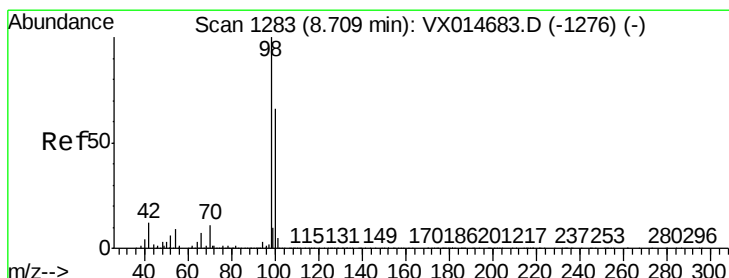
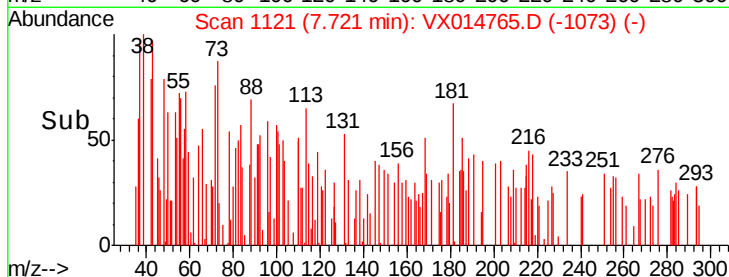
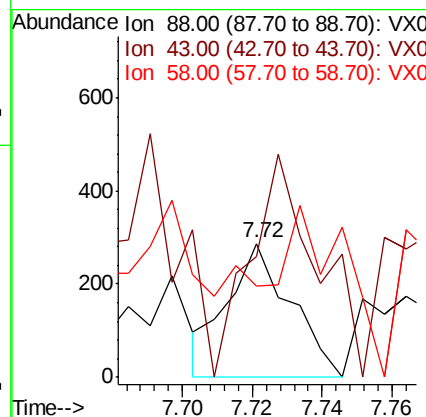
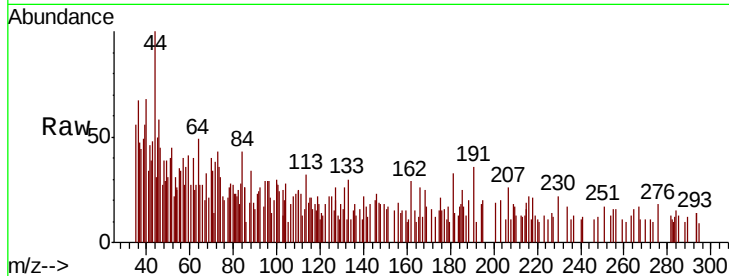
Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 359

Ion	Ratio	Lower	Upper
88	100		
43	176.3	26.2	39.2#
58	130.4	56.6	85.0#



#50

Toluene-d8

Concen: 49.284 ug/l

RT: 8.71 min Scan# 1283

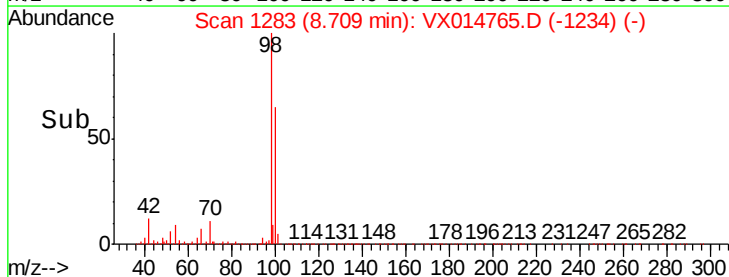
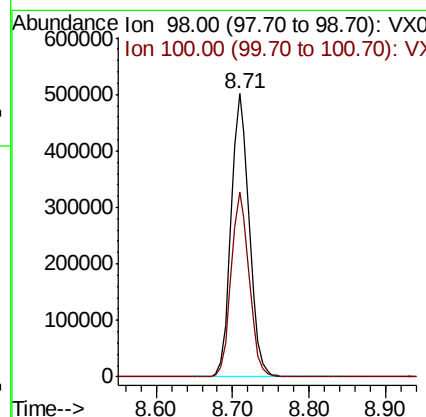
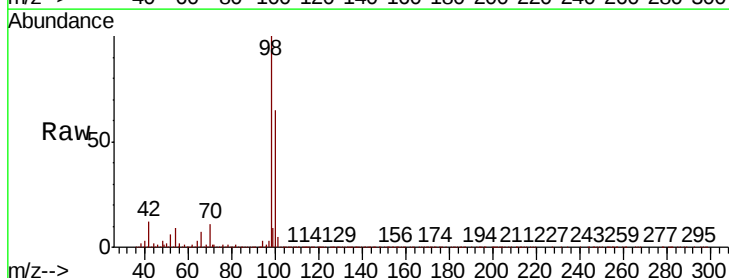
Delta R.T. 0.00 min

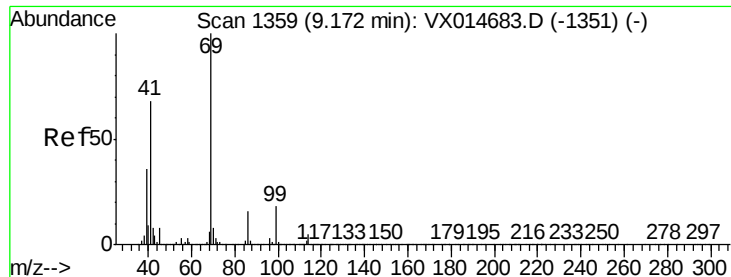
Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Tgt Ion: 98 Resp: 817287

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.0	79.6

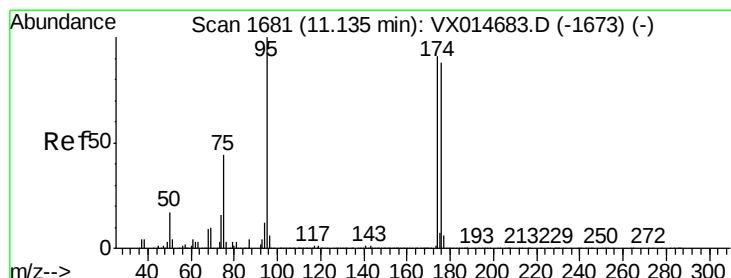
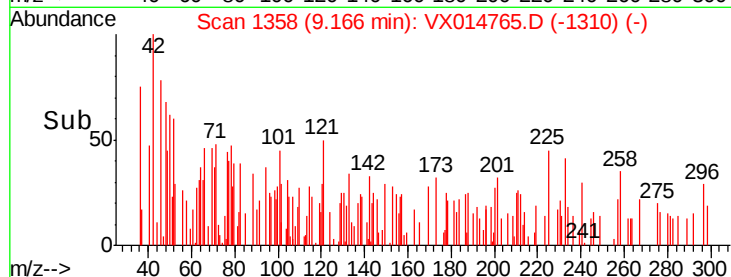
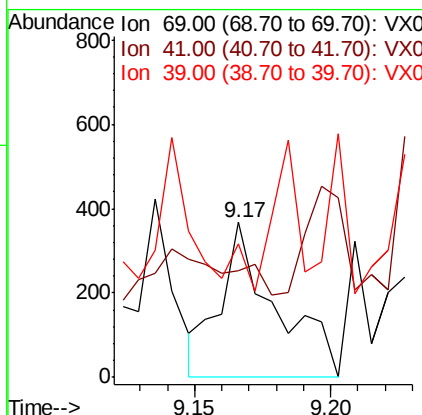
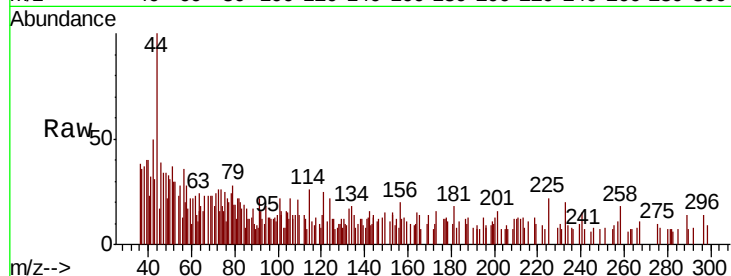




#56
 Ethyl methacrylate
 Concen: 1.844 ug/l
 RT: 9.17 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VX014765.D
 Acq: 29 Jan 2020 15:45

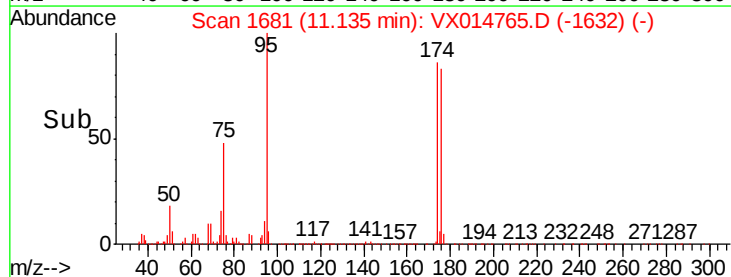
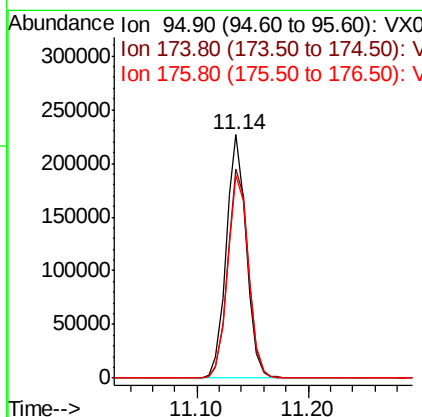
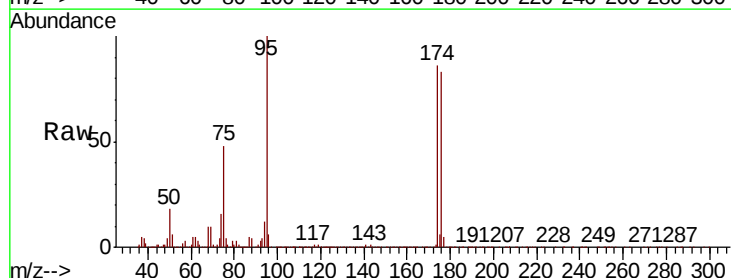
Instrument :
 MSVOA_X
 ClientSampleID :

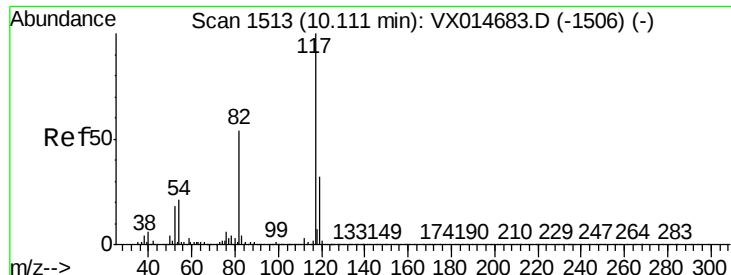
Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	0.0	29.3	43.9#



#62
 4-Bromofluorobenzene
 Concen: 47.562 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014765.D
 Acq: 29 Jan 2020 15:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	176.0
176	86.5	0.0	172.2

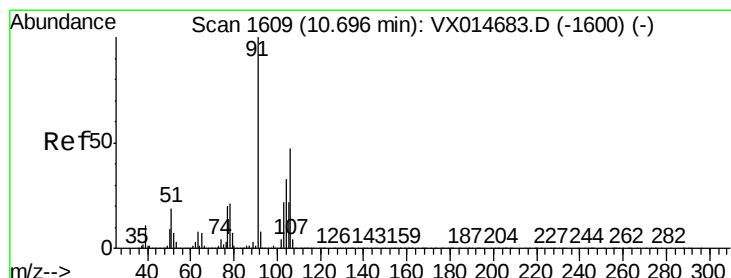
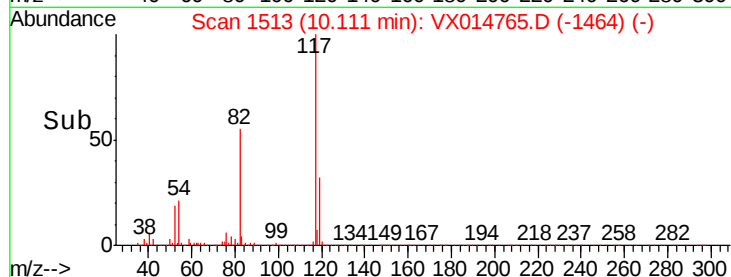
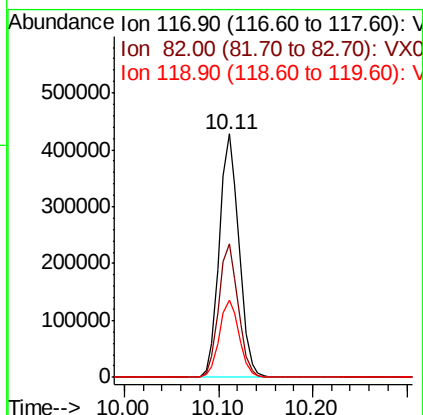
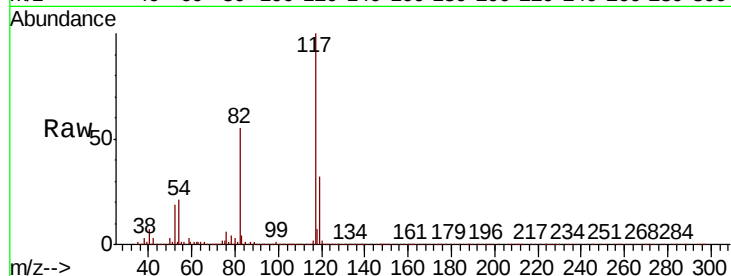




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

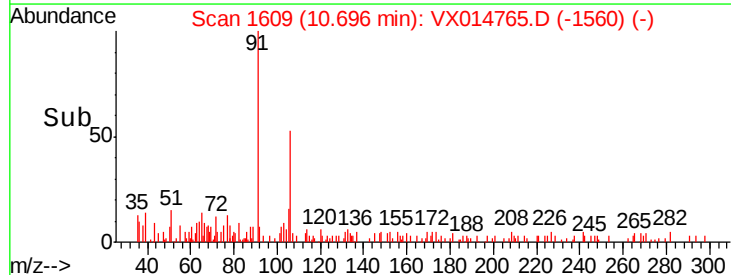
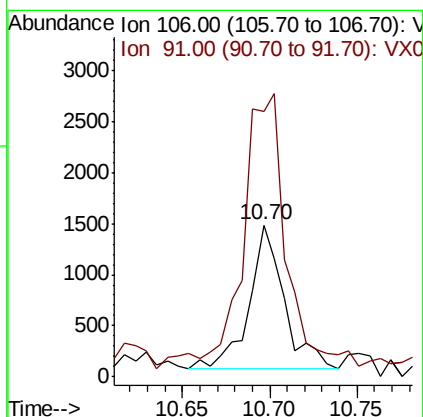
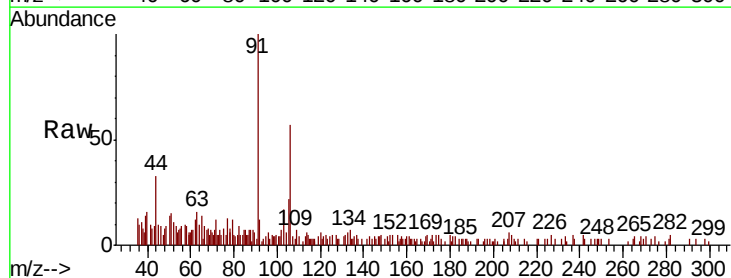
Instrument :
MSVOA_X
ClientSampleId :

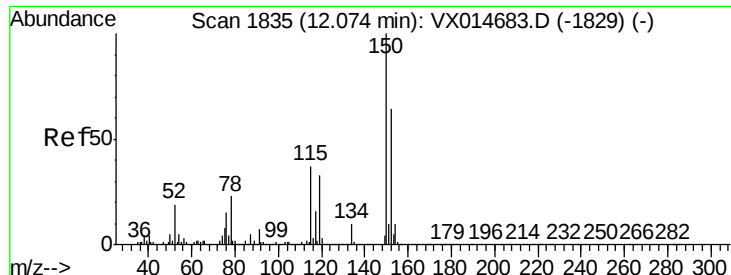
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.2	64.8
119	31.6	25.8	38.6



#69
o-Xylene
Concen: 0.237 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014765.D
Acq: 29 Jan 2020 15:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	240.1	106.2	318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

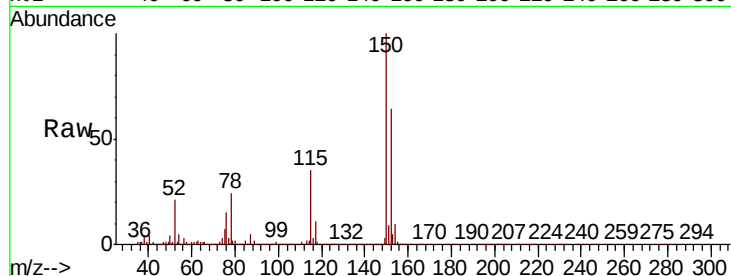
Tot Ion:152 Resp: 294095

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

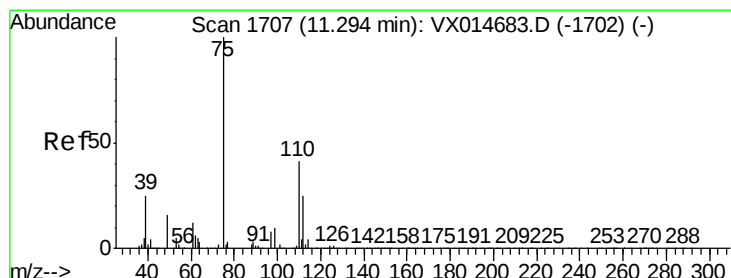
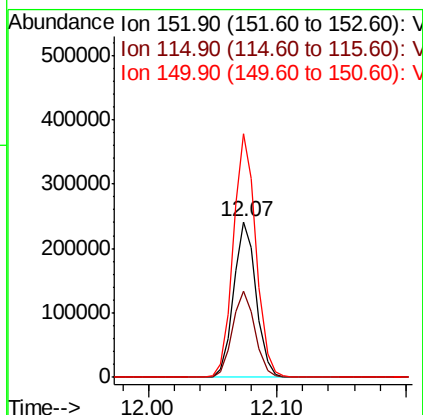
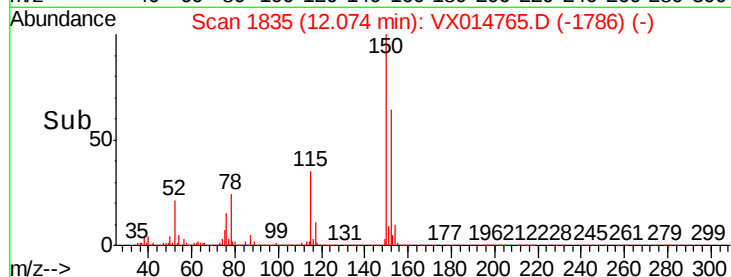
150 157.5 0.0 351.2



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: 20.291 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014765.D

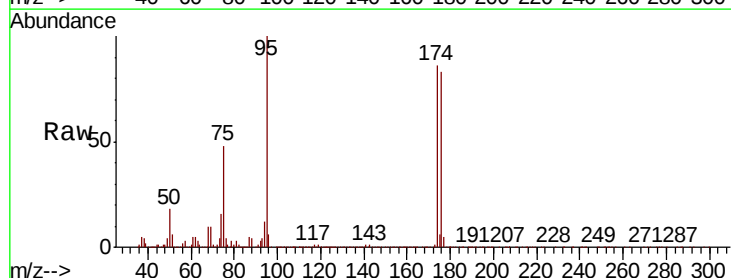
Acq: 29 Jan 2020 15:45

Tgt Ion: 75 Resp: 138837

Ion Ratio Lower Upper

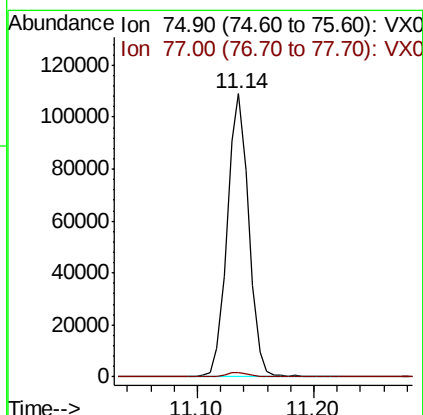
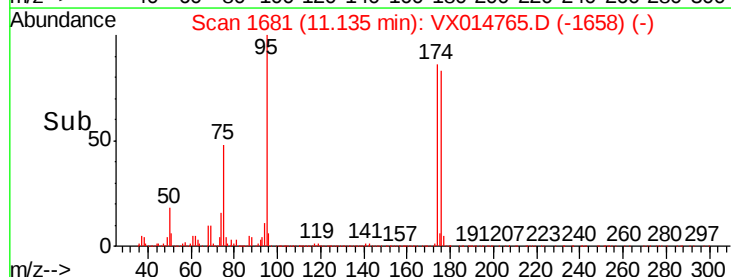
75 100

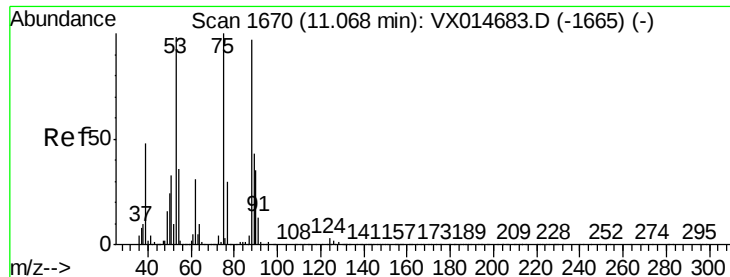
77 1.4 18.7 56.1#



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: 57.744 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

Instrument :

MSVOA_X

ClientSampleId :

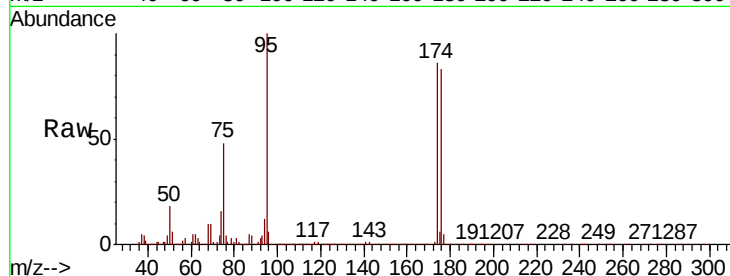
Tot Ion: 75 Resp: 138837

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

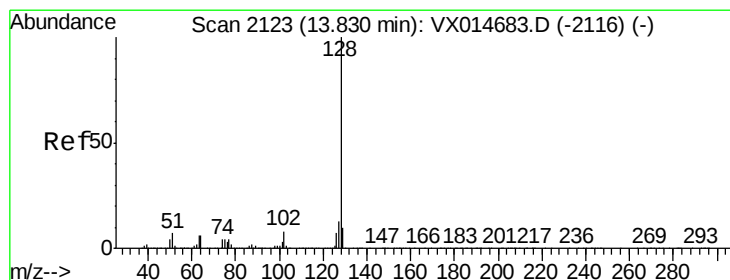
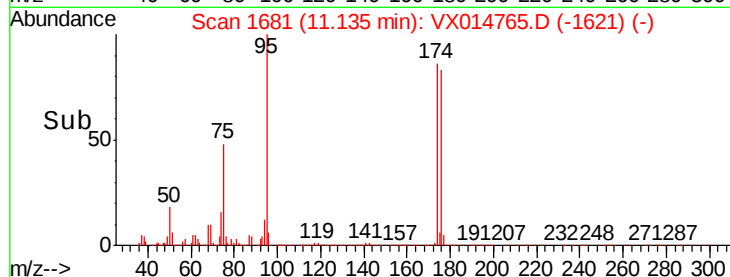
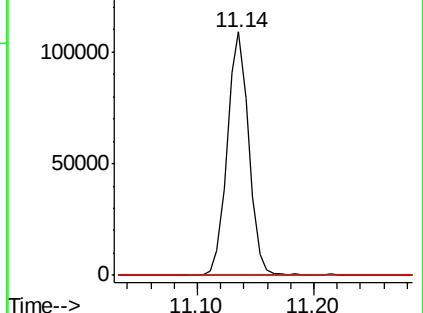
89 0.0 35.4 53.0#



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



#95

Naphthalene

Concen: 0.985 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014765.D

Acq: 29 Jan 2020 15:45

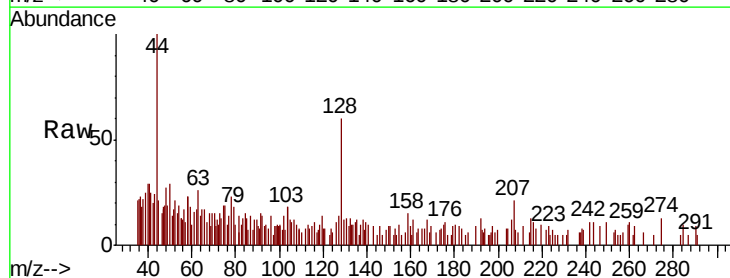
Tgt Ion:128 Resp: 1116

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

