

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010320\
 Data File : VX014402.D
 Acq On : 03 Jan 2020 15:50
 Operator : JC/SP
 Sample : K6476-05
 Misc : 6.98g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB455_191227-12-14

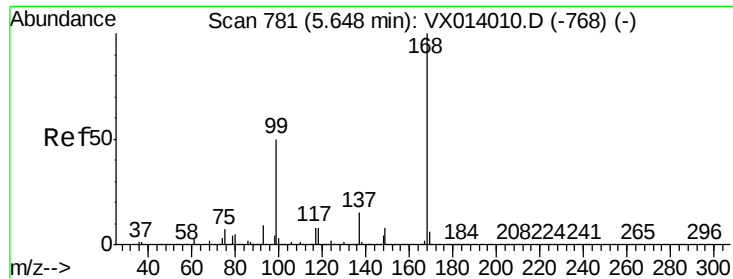
Quant Time: Jan 06 02:32:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	540688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	817225	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	734015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	363656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	293047	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
35) Dibromofluoromethane	5.50	113	229832	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
50) Toluene-d8	8.71	98	961497	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.14	95	343501	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	3376	0.694	ug/l	85
6) Chloroethane	1.66	64	5660	1.339	ug/l	99
10) Methyl Iodide	2.49	142	1999	2.902	ug/l #	72
11) Tert butyl alcohol	3.01	59	10450	7.892	ug/l #	76
13) Acrolein	2.30	56	498	0.657	ug/l #	14
17) Carbon Disulfide	2.54	76	1815	0.874	ug/l #	75
18) Methyl Acetate	2.75	43	2295	0.291	ug/l #	61
20) Methylene Chloride	2.84	84	2080	0.332	ug/l #	77
25) 2-Butanone	4.71	43	9112	1.858	ug/l	95
28) Bromochloromethane	5.00	49	366	0.545	ug/l #	58
29) Tetrahydrofuran	5.14	42	1307	0.476	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	36811	4.909	ug/l #	51
38) Carbon Tetrachloride	5.65	117	46539	6.813	ug/l #	16
43) Isopropyl Acetate	6.46	43	2942	0.215	ug/l #	65
49) 1,4-Dioxane	7.73	88	607	4.445	ug/l #	22
65) Chlorobenzene	10.14	112	7949	0.509	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	164787	20.873	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	164787	58.913	ug/l #	11
91) 1,2-Dichlorobenzene	12.39	146	7114	0.572	ug/l	87
93) 1,2,4-Trichlorobenzene	13.64	180	1657	0.205	ug/l	76

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

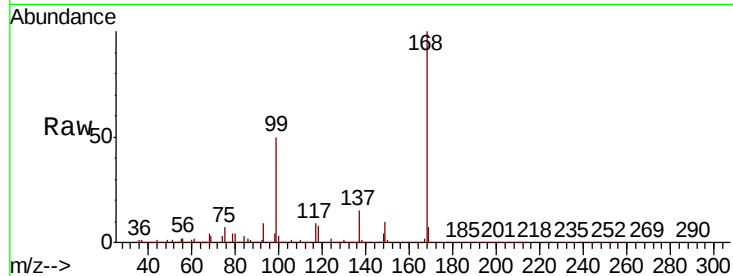
WP022SB455_191227-12-14

Tot Ion:168 Resp: 540688

Ion Ratio Lower Upper

168 100

99 49.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

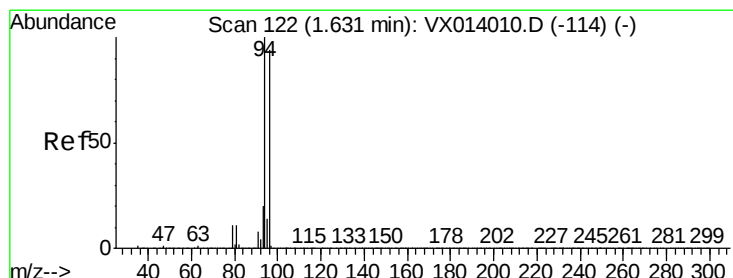
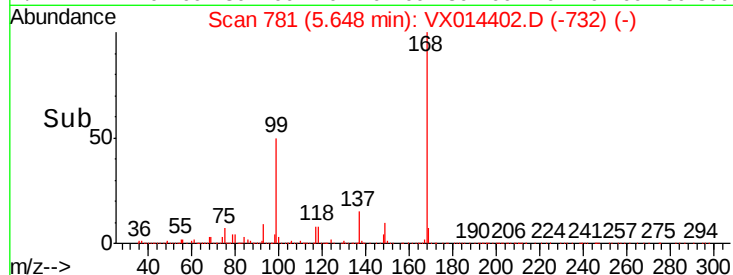
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.694 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014402.D

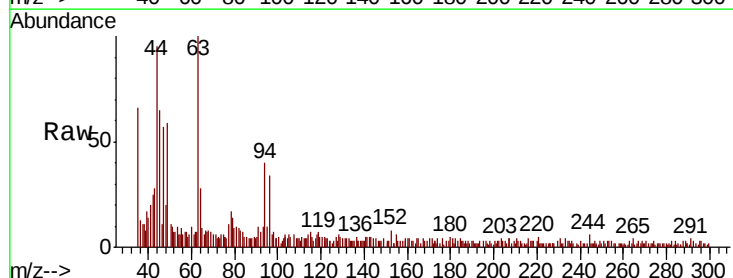
Acq: 03 Jan 2020 15:50

Tgt Ion: 94 Resp: 3376

Ion Ratio Lower Upper

94 100

96 80.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2500

2000

1500

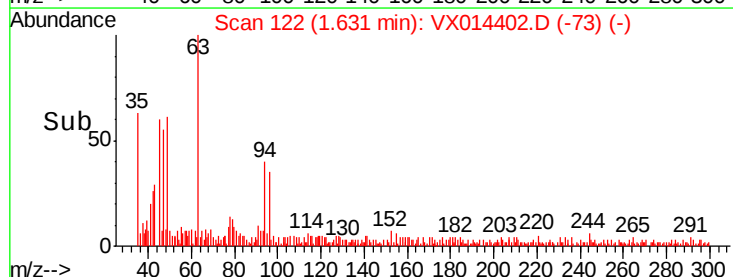
1000

500

0

Time-->

1.60 1.65

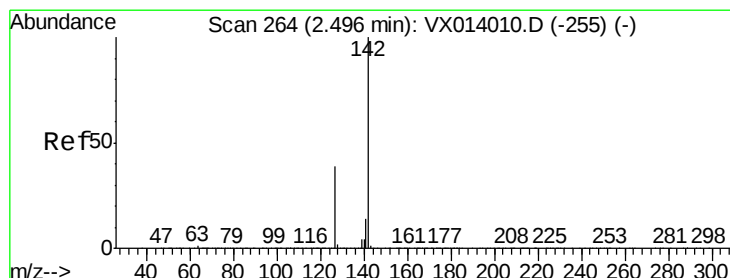
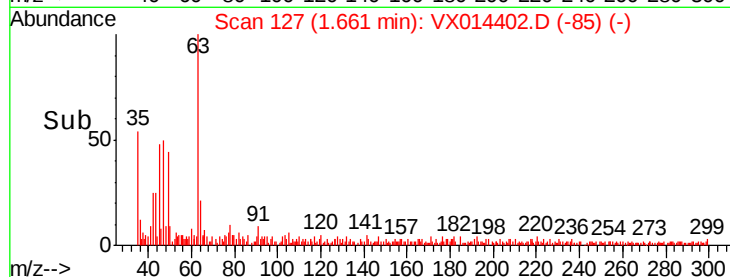
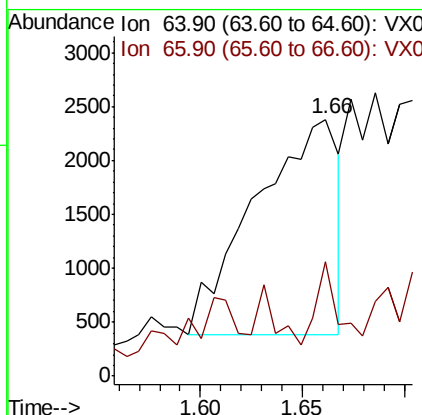
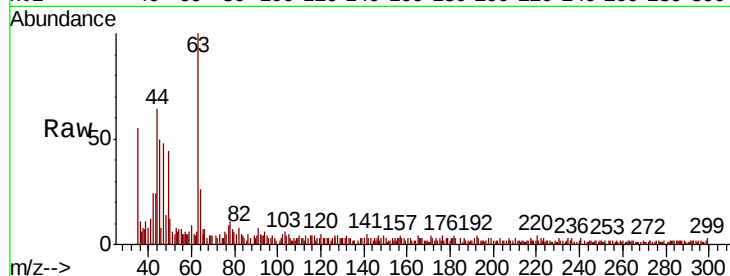




#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.66 min Scan# 127
Delta R.T. -0.04 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

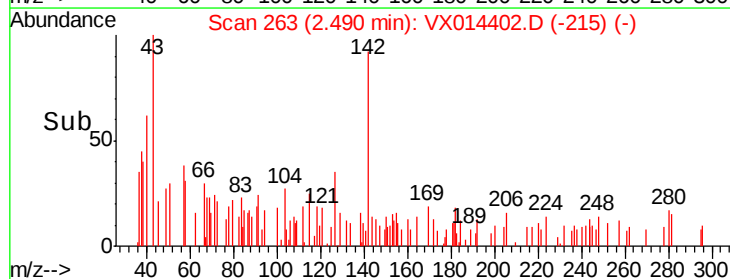
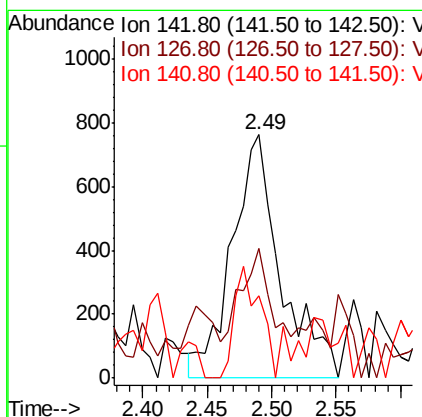
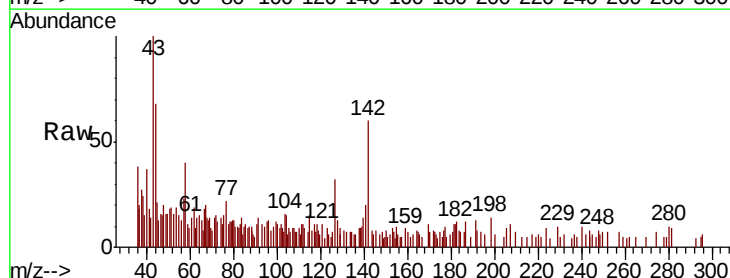
Instrument :
MSVOA_X
ClientSampleId :
WP022SB455_191227-12-14

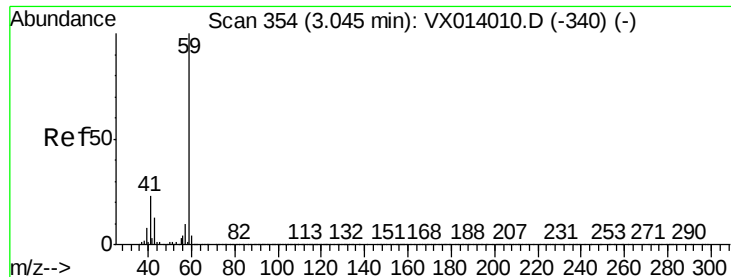
Tot Ion: 64 Resp: 5660
Ion Ratio Lower Upper
64 100
66 28.7 23.4 35.2



#10
Methyl Iodide
Concen: 2.902 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

Tgt Ion: 142 Resp: 1999
Ion Ratio Lower Upper
142 100
127 20.9 31.6 47.4#
141 24.0 11.6 17.4#



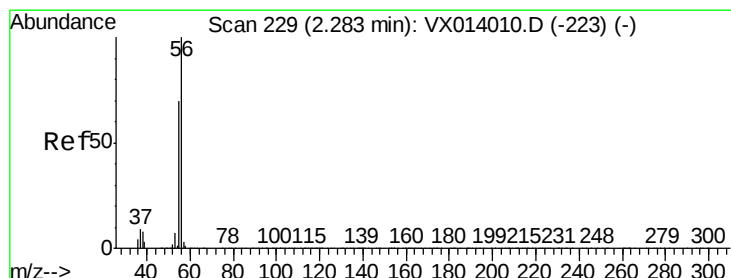
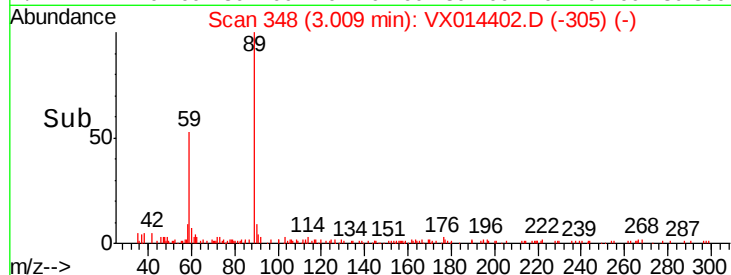
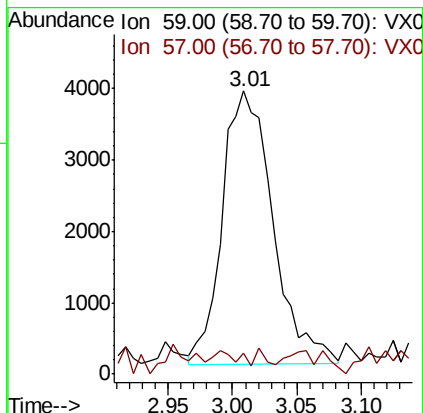
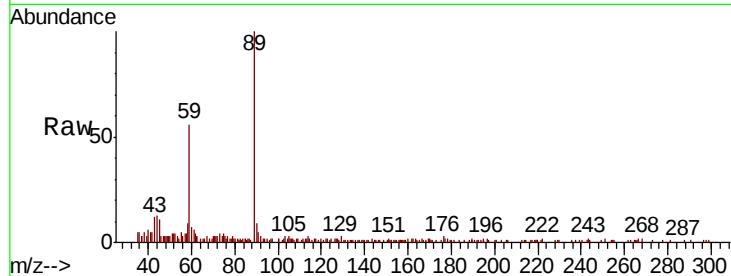


#11

Tert butyl alcohol
 Concen: 7.892 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.04 min
 Lab File: VX014402.D
 Acq: 03 Jan 2020 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB455_191227-12-14

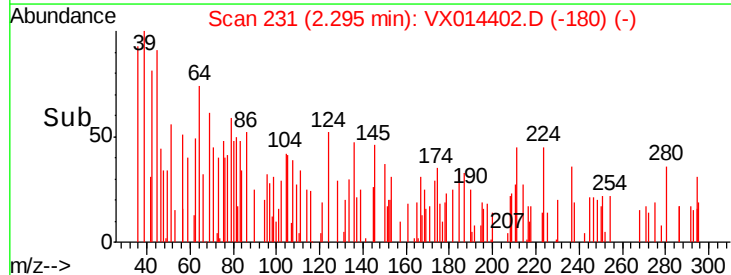
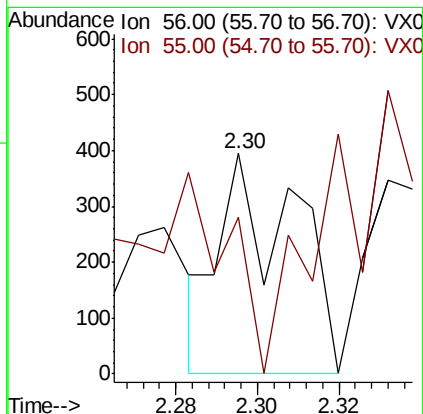
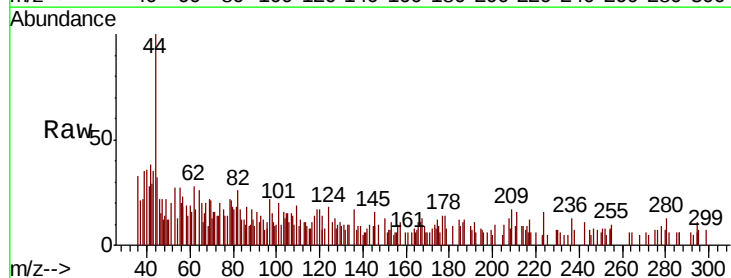
Tot Ion: 59 Resp: 10450
 Ion Ratio Lower Upper
 59 100
 57 1.6 8.4 12.6#

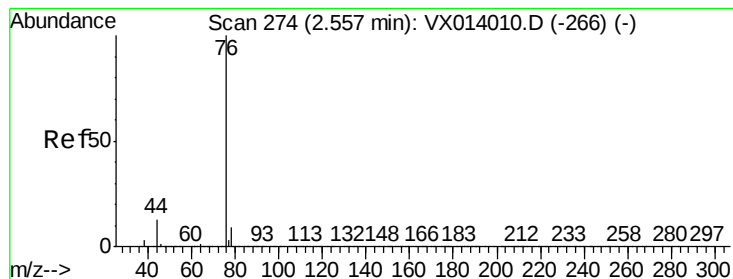


#13

Acrolein
 Concen: 0.657 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX014402.D
 Acq: 03 Jan 2020 15:50

Tgt Ion: 56 Resp: 498
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#17

Carbon Disulfide

Concen: 0.874 ug/l

RT: 2.54 min Scan# 271

Delta R.T. -0.02 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

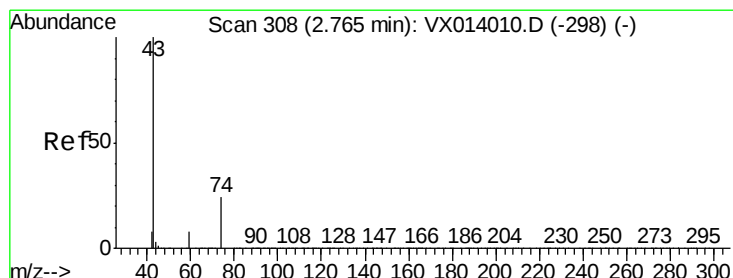
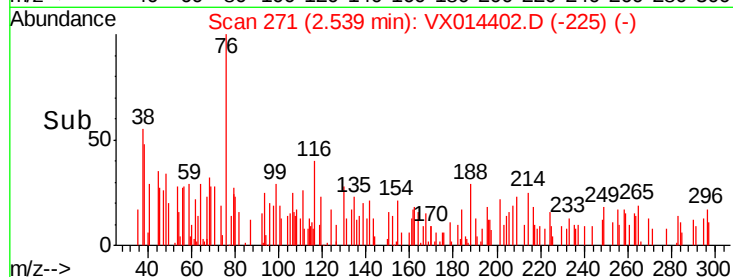
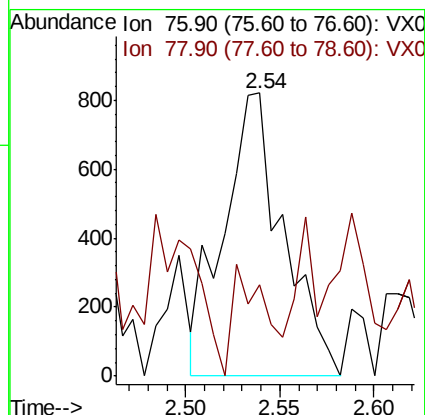
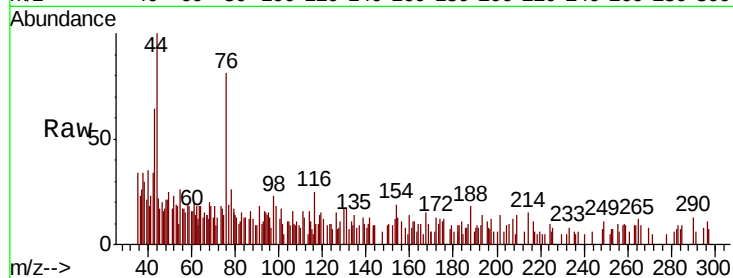
WP022SB455_191227-12-14

Tot Ion: 76 Resp: 1815

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.291 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX014402.D

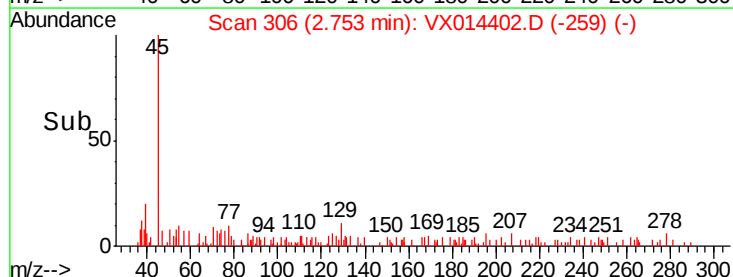
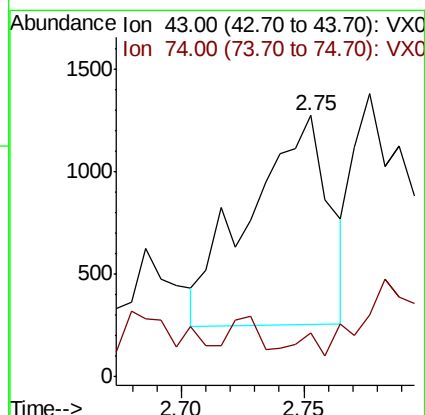
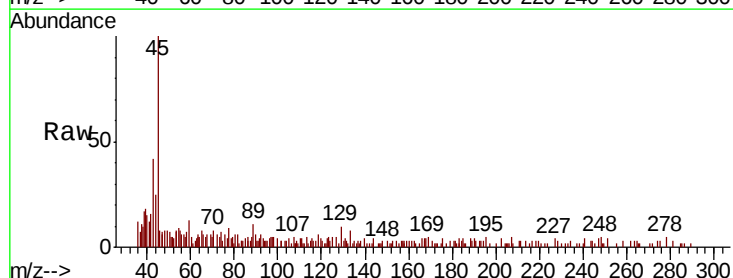
Acq: 03 Jan 2020 15:50

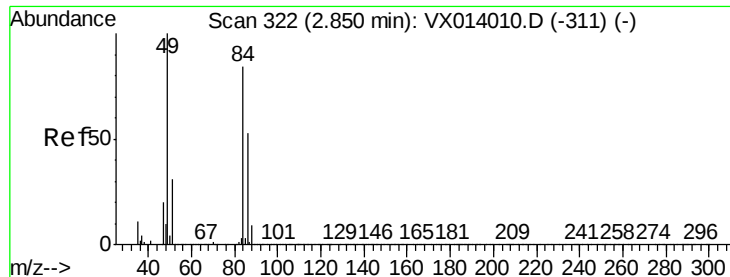
Tgt Ion: 43 Resp: 2295

Ion Ratio Lower Upper

43 100

74 4.9 19.5 29.3#

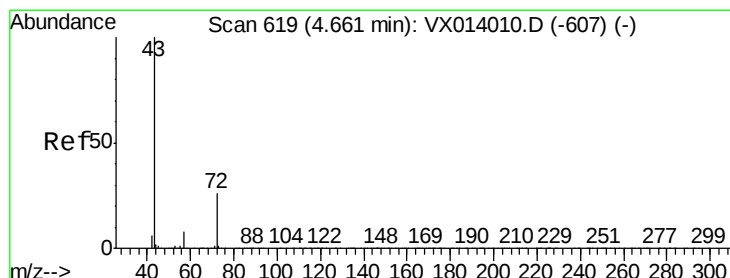
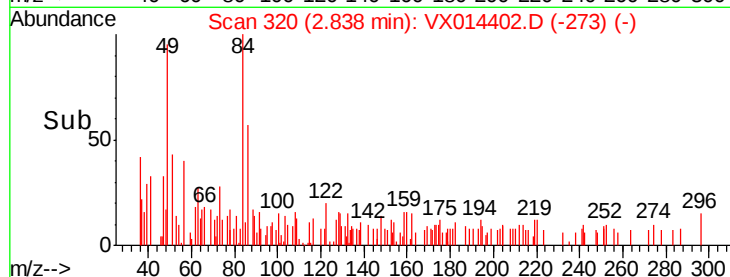
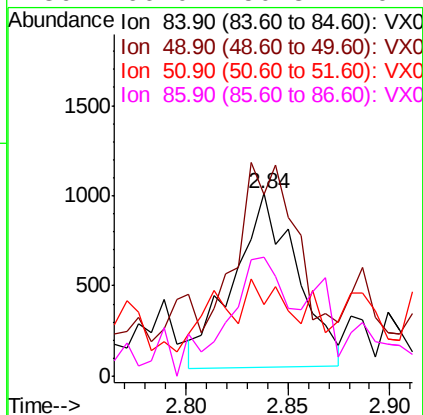
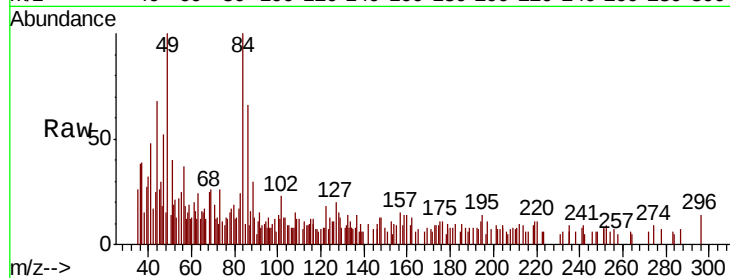




#20
Methvlene Chloride
Concen: 0.332 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

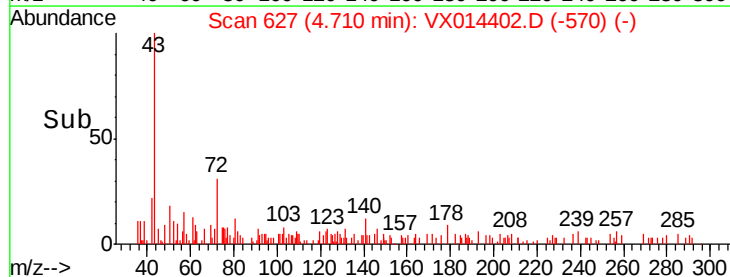
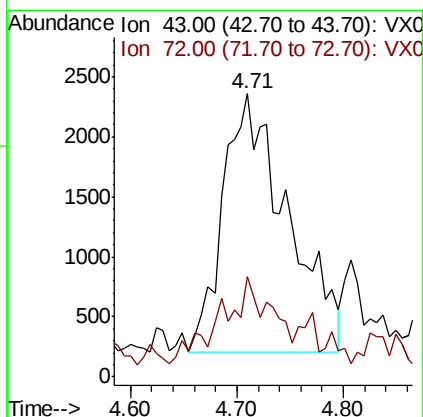
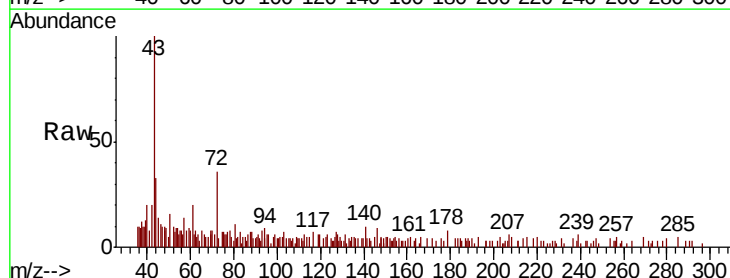
Instrument :
MSVOA_X
ClientSampleId :
WP022SB455_191227-12-14

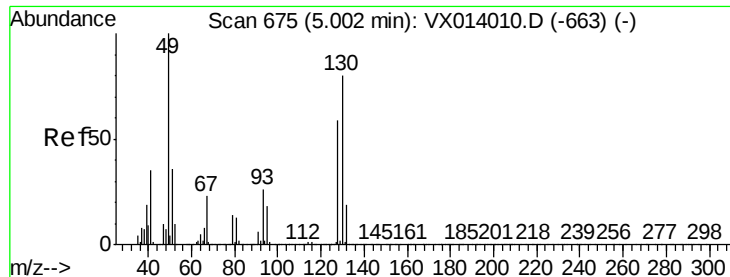
Tot Ion: 84 Resp: 2080
Ion Ratio Lower Upper
84 100
49 84.7 95.8 143.6#
51 19.6 29.8 44.8#
86 66.0 50.8 76.2



#25
2-Butanone
Concen: 1.858 ug/l
RT: 4.71 min Scan# 627
Delta R.T. 0.05 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

Tgt Ion: 43 Resp: 9112
Ion Ratio Lower Upper
43 100
72 28.9 21.0 31.4





#28

Bromochloromethane

Concen: 0.545 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-12-14

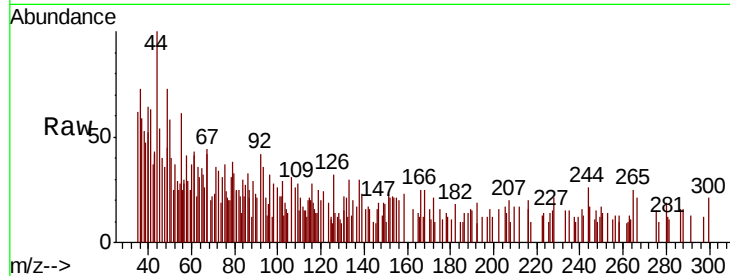
Tot Ion: 49 Resp: 366

Ion Ratio Lower Upper

49 100

129 38.0 0.0 5.0#

130 45.4 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

800

600

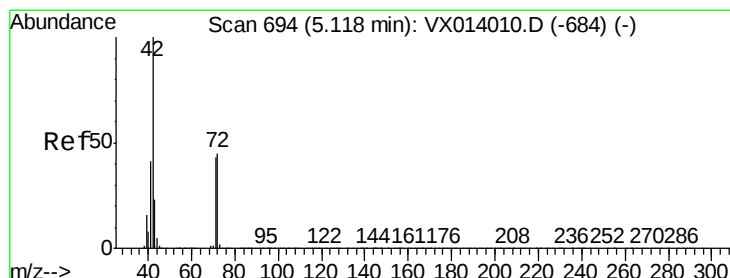
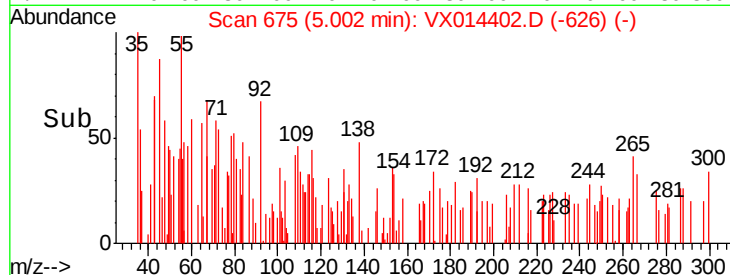
400

200

0

4.95 5.00 5.05

Time-->



#29

Tetrahydrofuran

Concen: 0.476 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

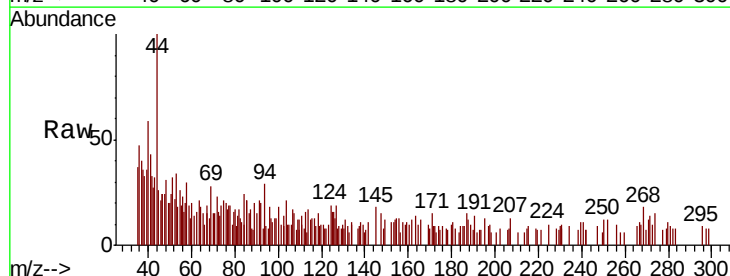
Tgt Ion: 42 Resp: 1307

Ion Ratio Lower Upper

42 100

72 17.3 35.8 53.8#

71 29.5 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

800

600

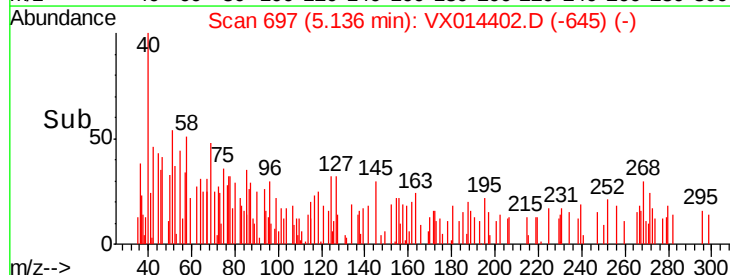
400

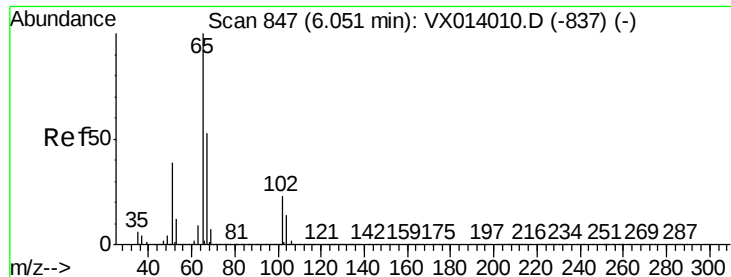
200

0

5.10 5.14

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.821 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

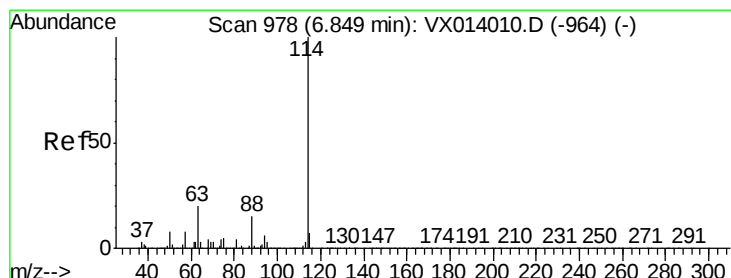
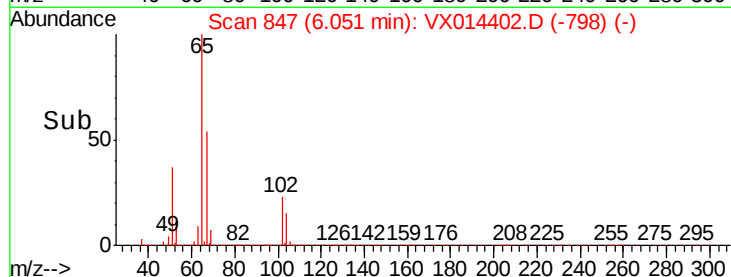
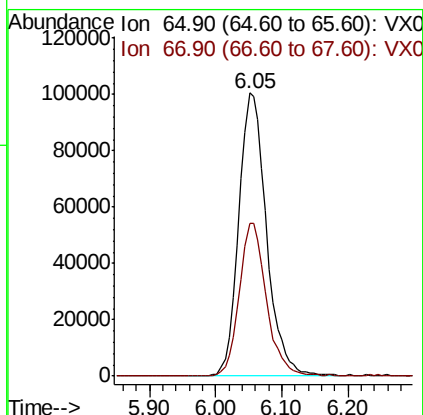
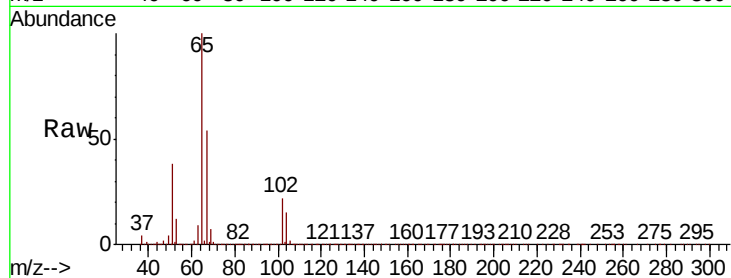
WP022SB455_191227-12-14

Tot Ion: 65 Resp: 293047

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

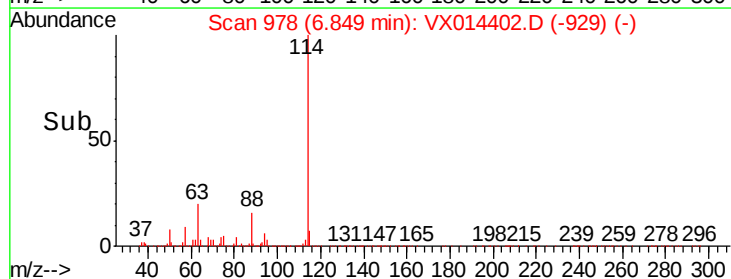
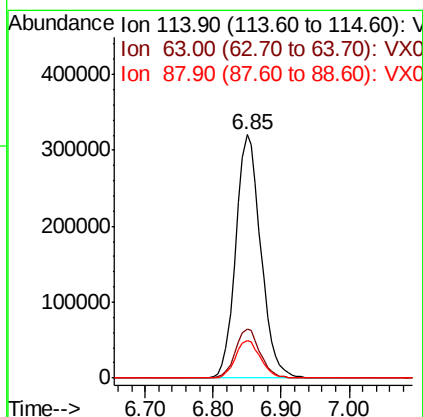
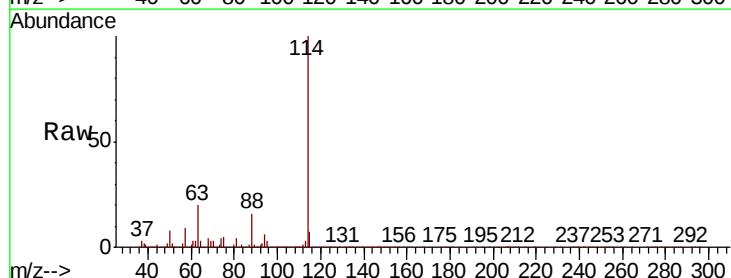
Tgt Ion: 114 Resp: 817225

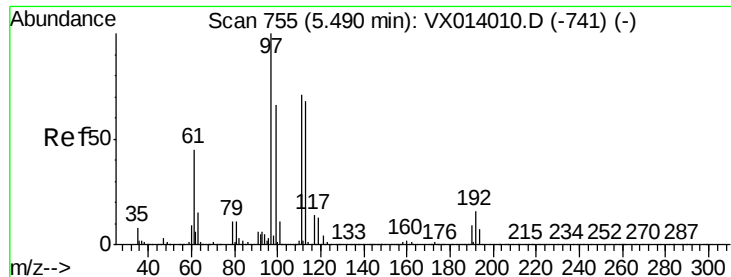
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.264 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-12-14

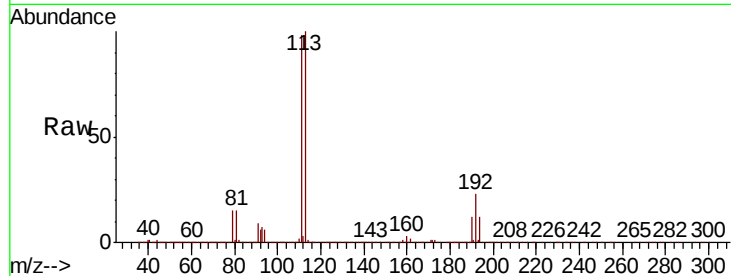
Tot Ion:113 Resp: 229832

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

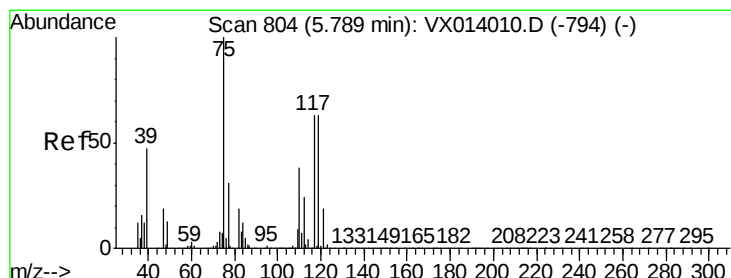
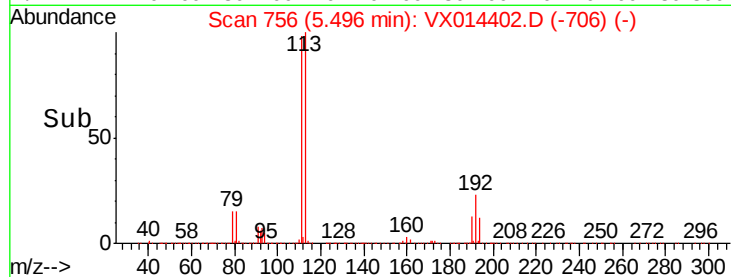
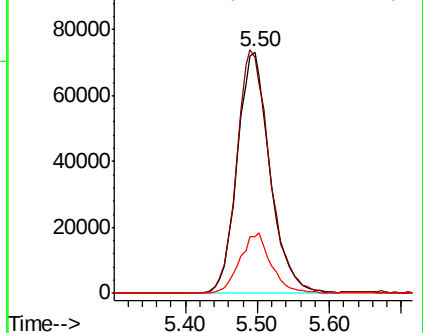
192 24.1 19.3 28.9



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: 4.909 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

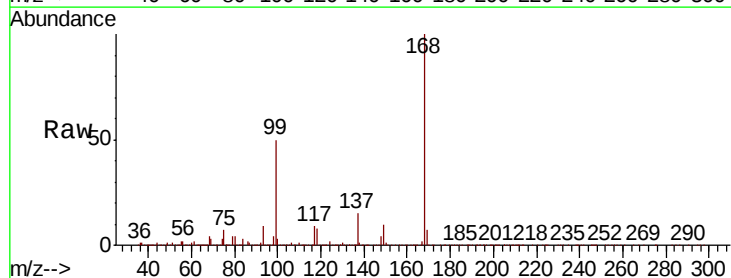
Tgt Ion: 75 Resp: 36811

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.9#

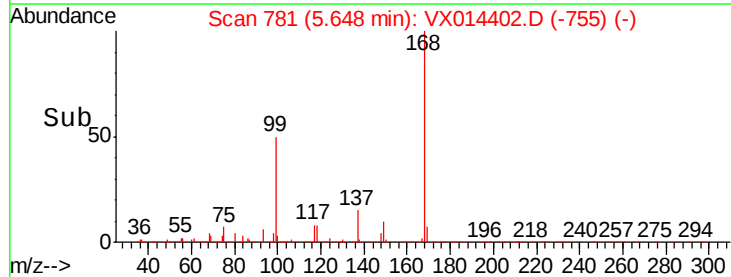
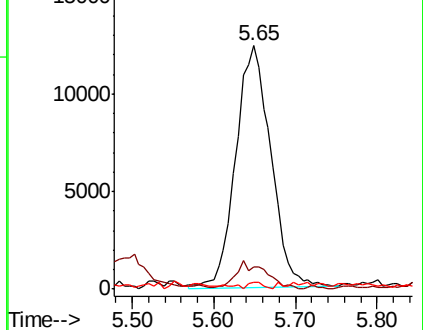
77 1.2 24.8 37.2#

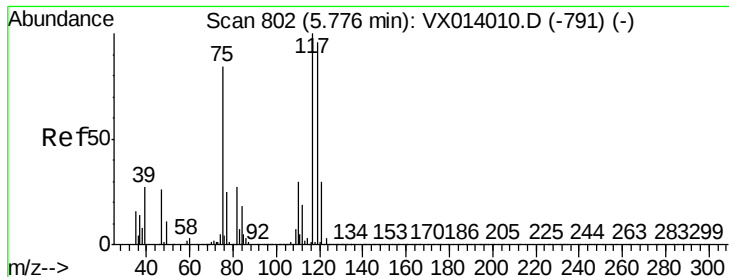


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.813 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-12-14

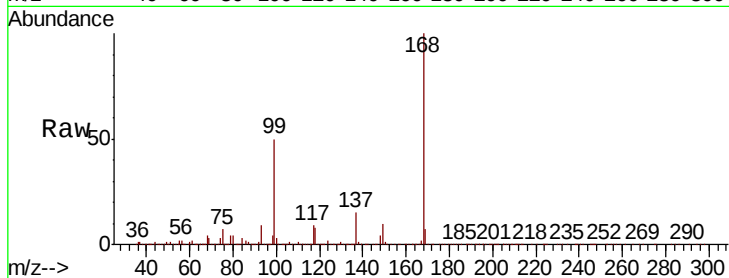
Tot Ion:117 Resp: 46539

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

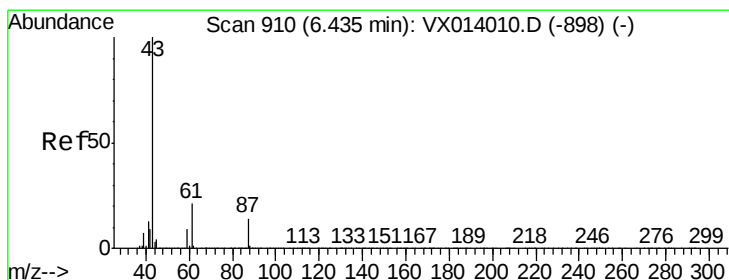
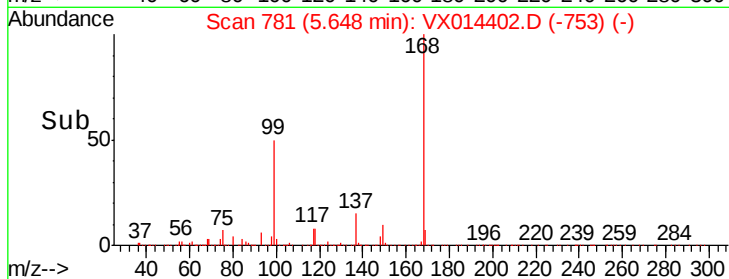
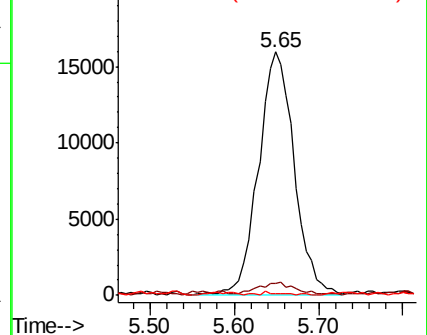
121 0.5 23.6 35.4#



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



#43

Isopropyl Acetate

Concen: 0.215 ug/l

RT: 6.46 min Scan# 914

Delta R.T. 0.02 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

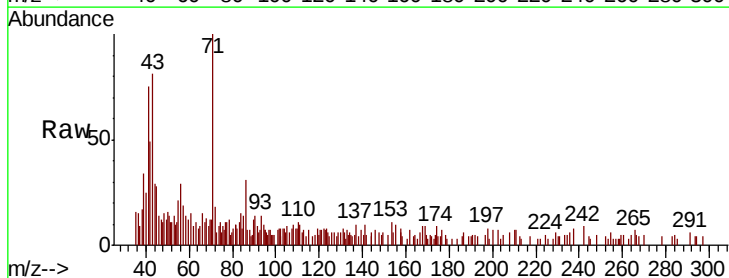
Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

43 100

61 4.1 16.4 24.6#

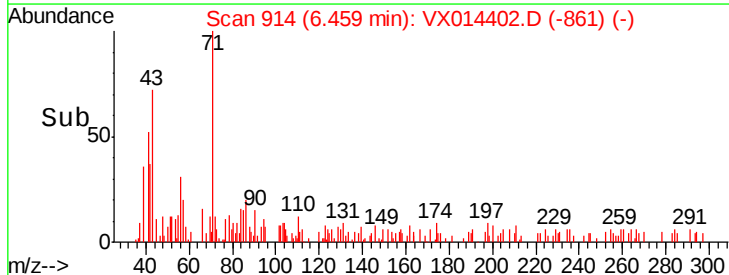
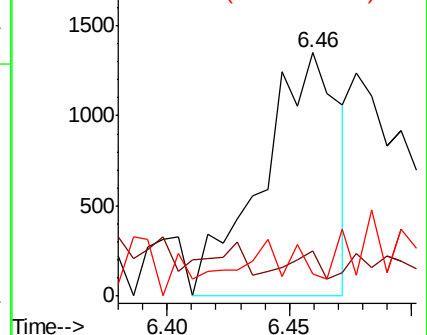
87 0.0 10.7 16.1#

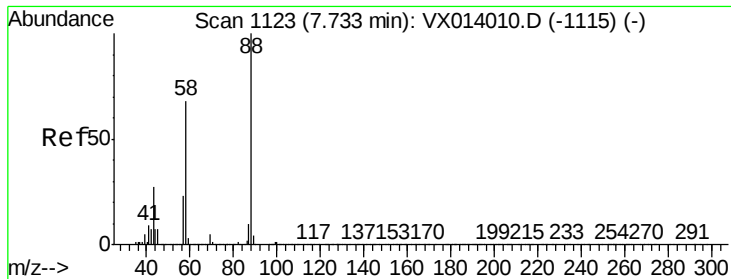


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

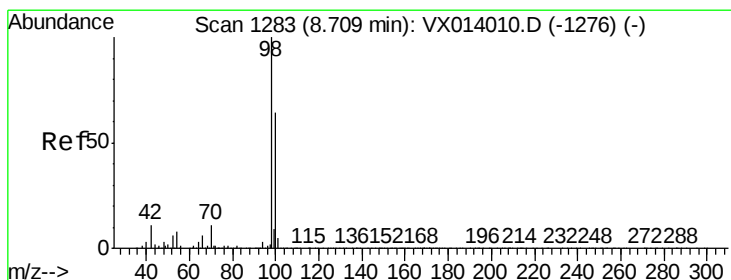
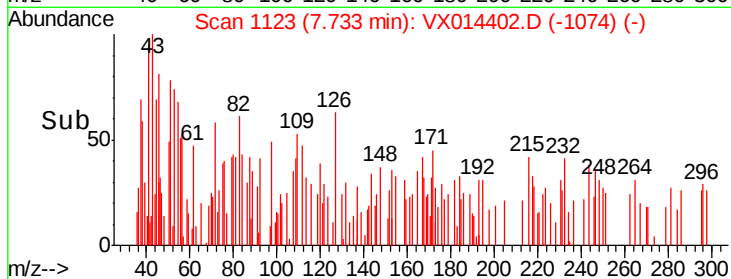
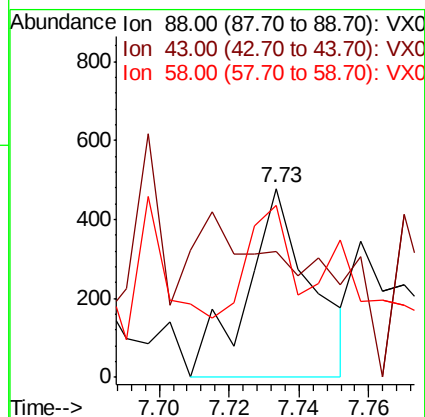
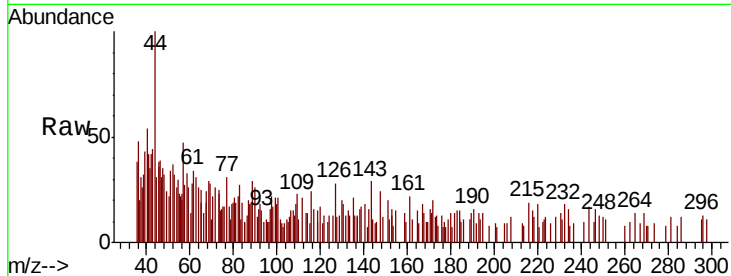




#49
1,4-Dioxane
Concen: 4.445 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

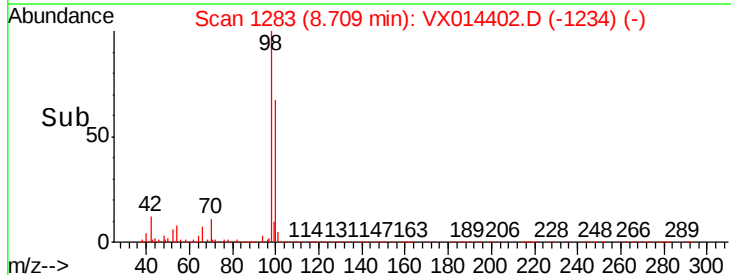
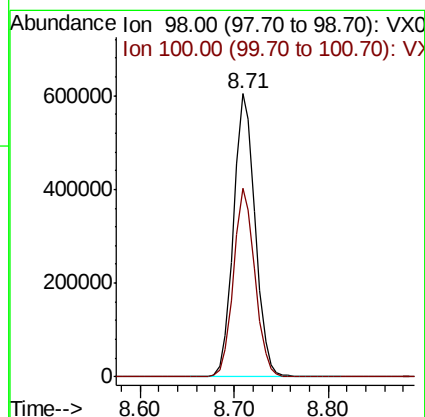
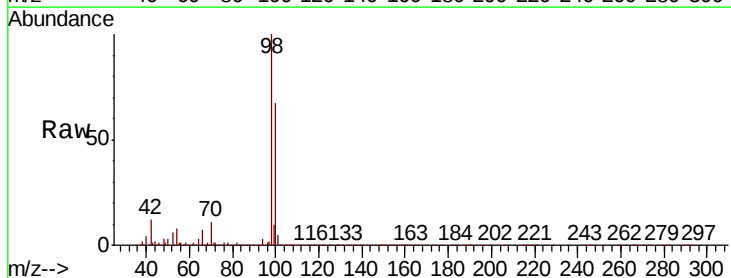
Instrument :
MSVOA_X
ClientSampleId :
WP022SB455_191227-12-14

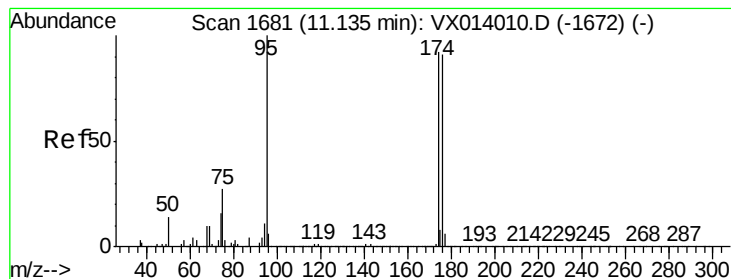
Tot Ion: 88 Resp: 607
Ion Ratio Lower Upper
88 100
43 147.9 26.5 39.7#
58 87.5 56.8 85.2#



#50
Toluene-d8
Concen: 49.713 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014402.D
Acq: 03 Jan 2020 15:50

Tgt Ion: 98 Resp: 961497
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 48.586 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP022SB455_191227-12-14

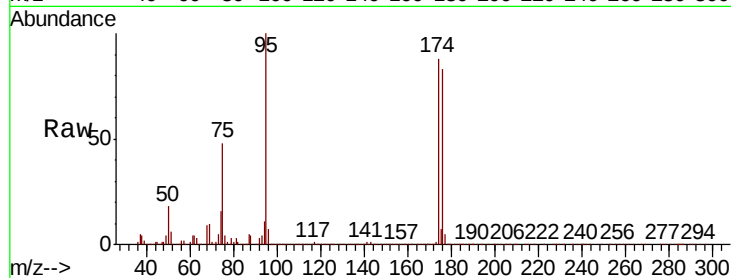
Tot Ion: 95 Resp: 343501

Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.8

176 87.2 0.0 173.0

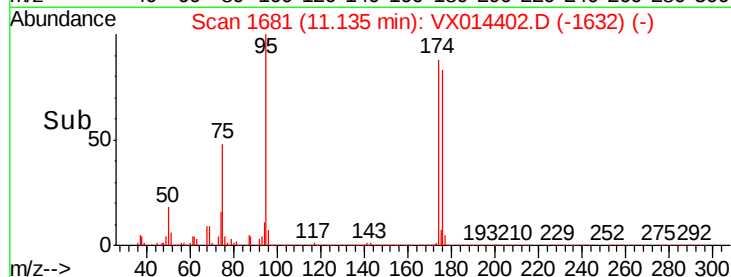


Abundance Ion 94.90 (94.60 to 95.60): VX014402.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX014402.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX014402.D (-1672) (-)

Time-->

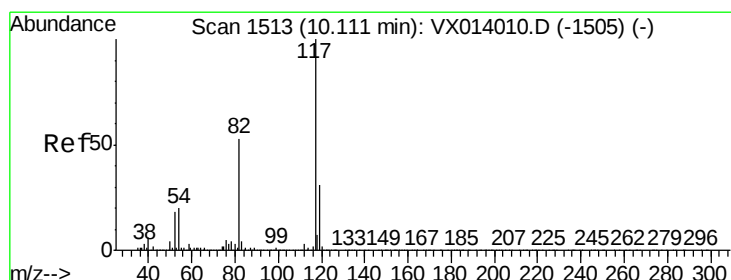


Abundance Ion 94.90 (94.60 to 95.60): VX014402.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014402.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014402.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

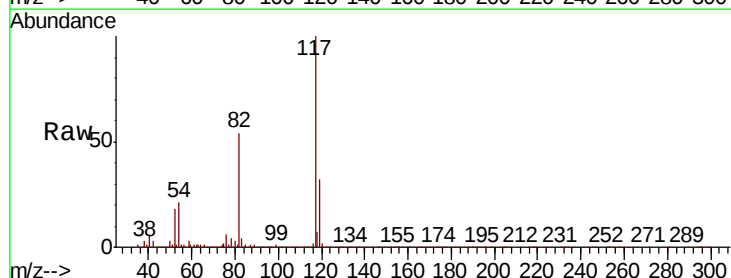
Tgt Ion: 117 Resp: 734015

Ion Ratio Lower Upper

117 100

82 53.8 42.2 63.4

119 32.0 25.1 37.7

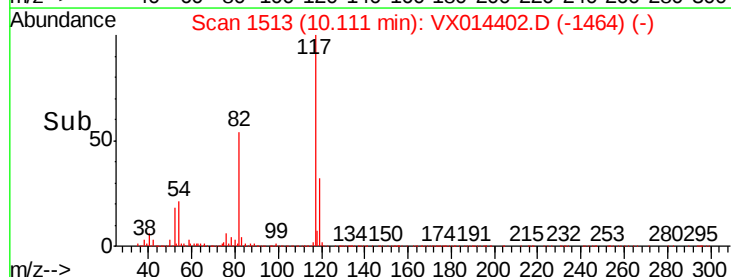


Abundance Ion 116.90 (116.60 to 117.60): VX014402.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014402.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014402.D (-1464) (-)

Time-->

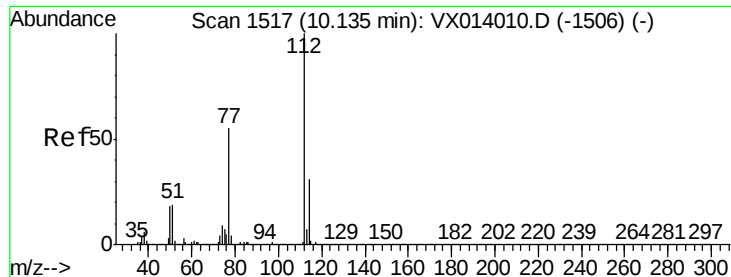


Abundance Ion 116.90 (116.60 to 117.60): VX014402.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014402.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014402.D (-1464) (-)

Time-->



#65

Chlorobenzene

Concen: 0.509 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

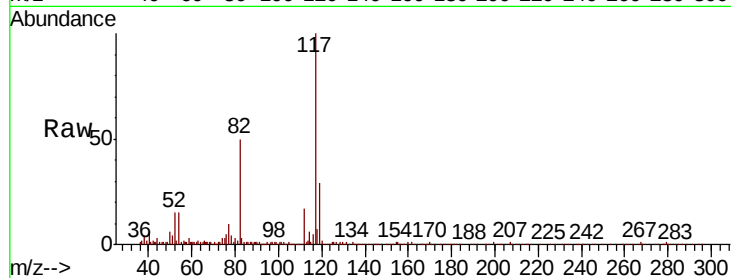
WP022SB455_191227-12-14

Tot Ion:112 Resp: 7949

Ion Ratio Lower Upper

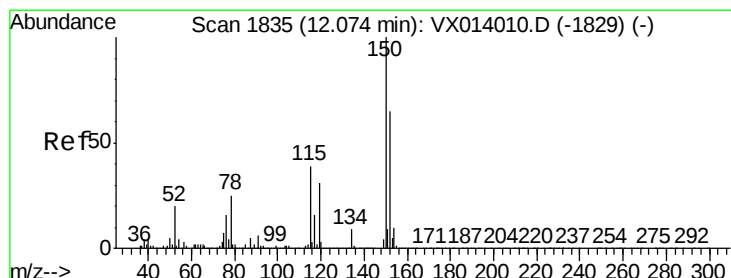
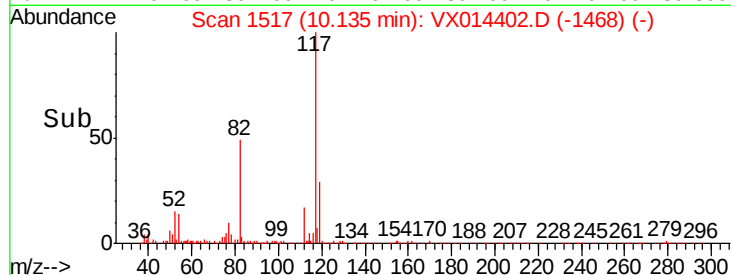
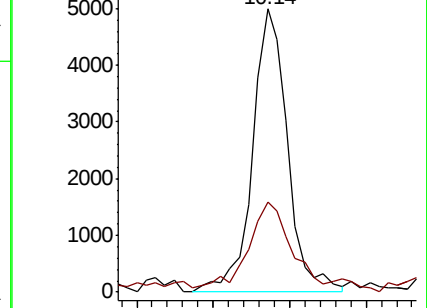
112 100

114 28.9 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

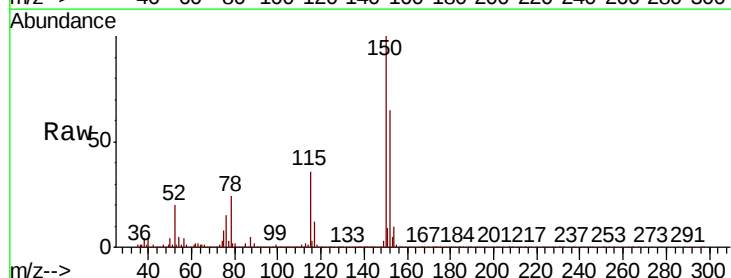
Tgt Ion:152 Resp: 363656

Ion Ratio Lower Upper

152 100

115 54.7 38.3 114.9

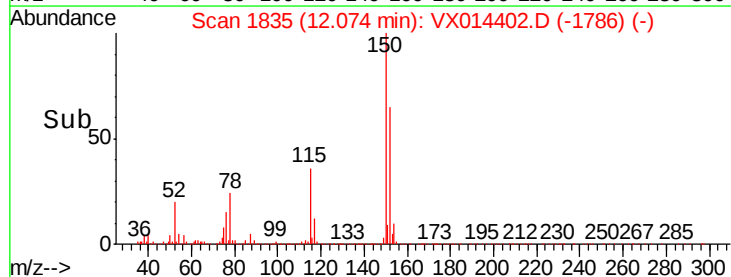
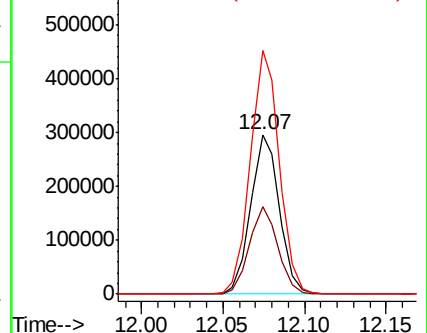
150 153.9 0.0 345.4

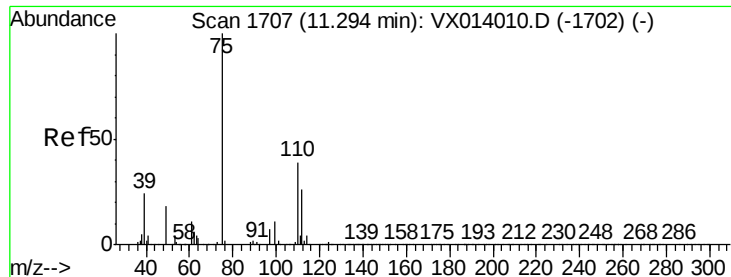


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.873 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

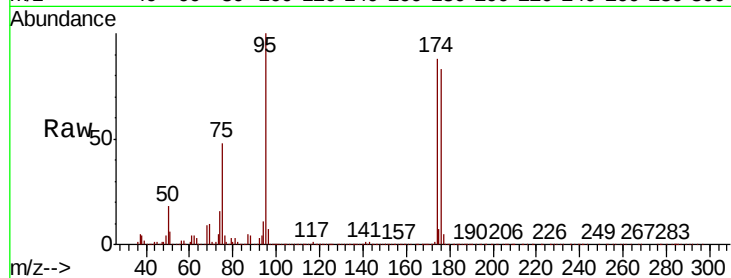
WP022SB455_191227-12-14

Tot Ion: 75 Resp: 164787

Ion Ratio Lower Upper

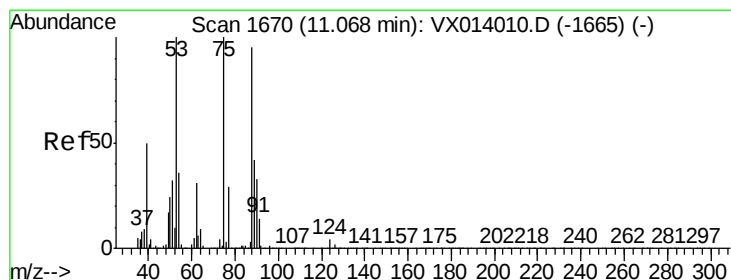
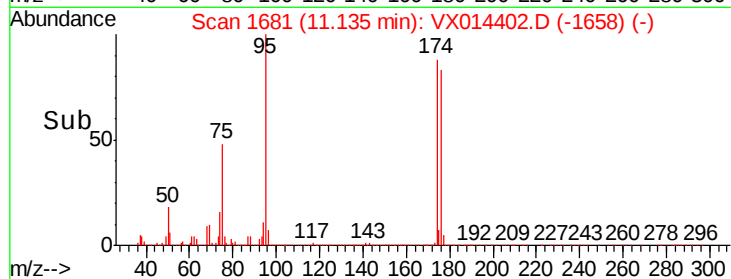
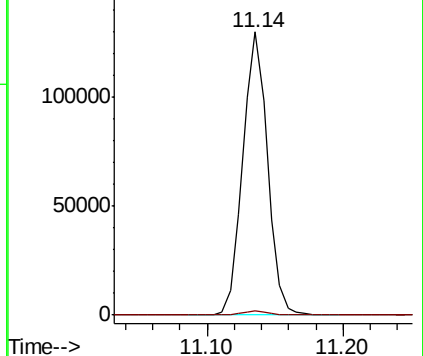
75 100

77 1.4 19.3 57.8#



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: 58.913 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014402.D

Acq: 03 Jan 2020 15:50

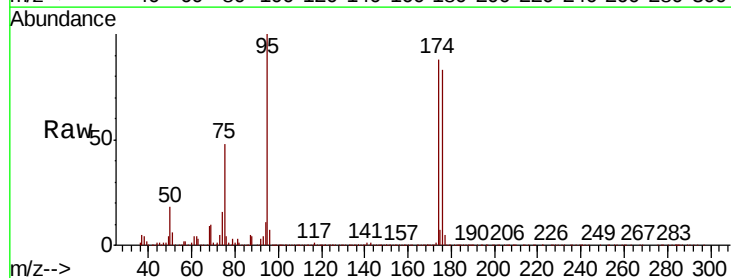
Tgt Ion: 75 Resp: 164787

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

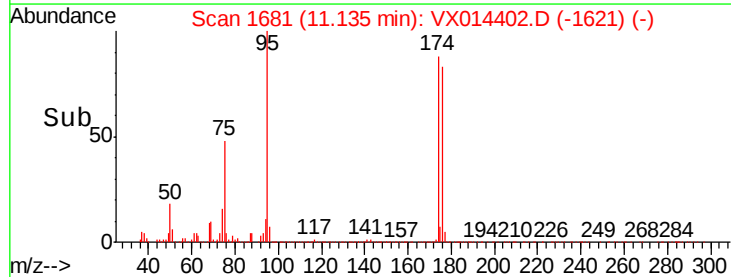
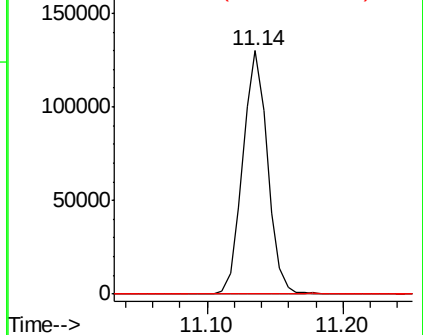
89 0.1 34.6 51.8#

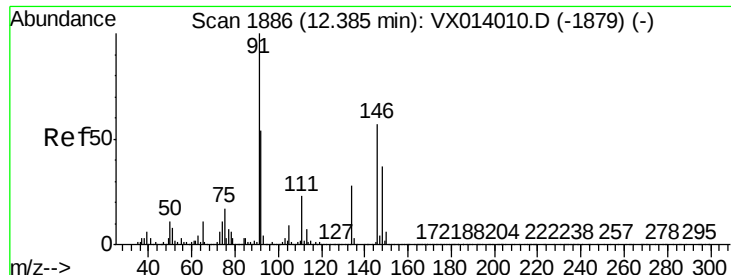


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

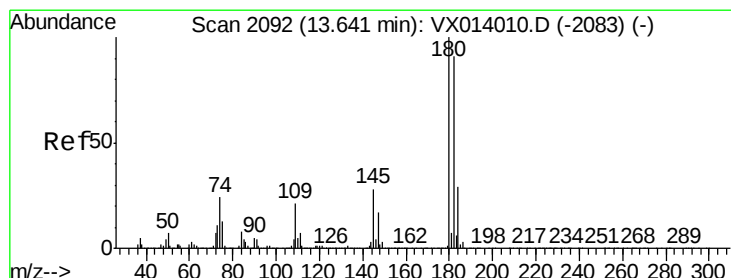
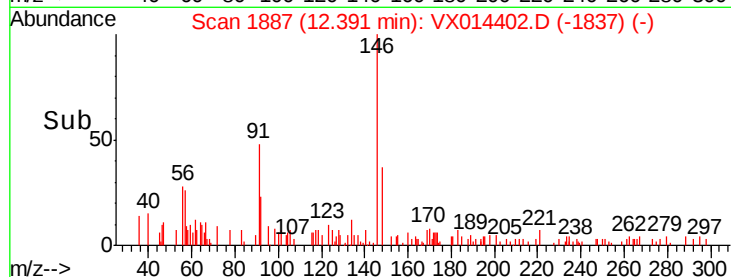
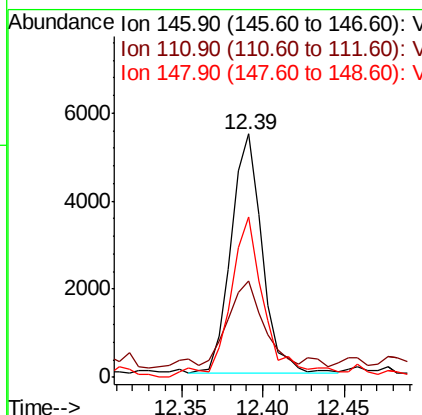
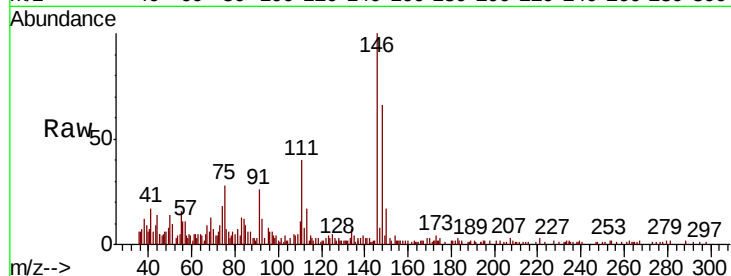




#91
 1,2-Dichlorobenzene
 Concen: 0.572 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX014402.D
 Acq: 03 Jan 2020 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB455_191227-12-14

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	19.7	59.1
148	76.0	32.1	96.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014402.D
 Acq: 03 Jan 2020 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	115.1	46.6	139.8
145	42.1	14.2	42.6

