

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014724.D
 Acq On : 27 Jan 2020 14:21
 Operator : JC/SP
 Sample : L1236-07 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

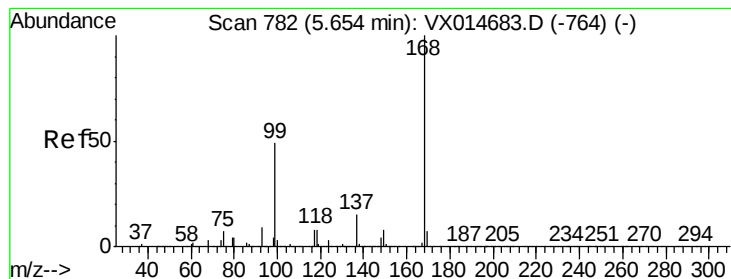
Quant Time: Jan 28 03:15:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	435702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	687183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	634929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	304639	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	252586	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	5.48	113	205682	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	827058	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.13	95	293817	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	163	0.559	ug/l #	42
5) Bromomethane	1.64	94	1422	0.328	ug/l #	62
6) Chloroethane	1.71	64	1055	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	4415	3.865	ug/l #	72
13) Acrolein	2.30	56	793	0.880	ug/l #	52
16) Acetone	2.44	43	79707	28.717	ug/l	93
20) Methylene Chloride	2.85	84	3287	0.637	ug/l #	89
25) 2-Butanone	4.68	43	3128	0.783	ug/l #	70
36) 1,1-Dichloropropene	5.65	75	32089	5.025	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39240	6.435	ug/l #	16
41) Methacrylonitrile	5.00	41	232	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	129	1.064	ug/l #	1
52) Toluene	8.78	92	64075	5.283	ug/l	99
56) Ethyl methacrylate	9.17	69	155	1.802	ug/l #	1
67) Ethyl Benzene	10.25	91	4730	0.204	ug/l	93
68) m/p-Xylenes	10.35	106	9377	1.067	ug/l	86
69) o-Xylene	10.70	106	4361	0.514	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	143300	20.218	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	143300	57.537	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	11429	0.641	ug/l	99
95) Naphthalene	13.83	128	2193	1.032	ug/l #	67

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

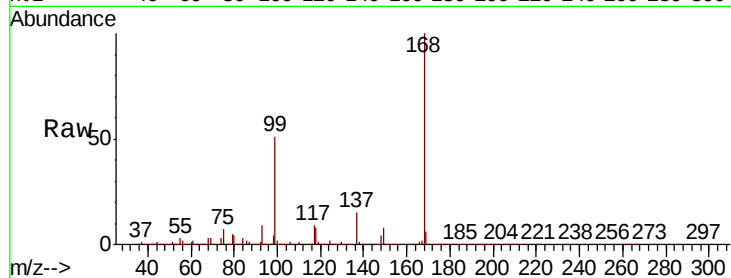
ClientSampleId :

Tot Ion:168 Resp: 435702

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

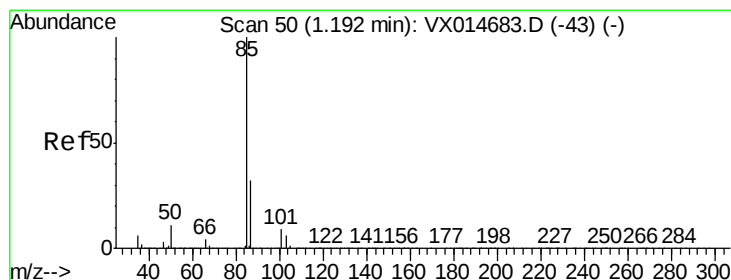
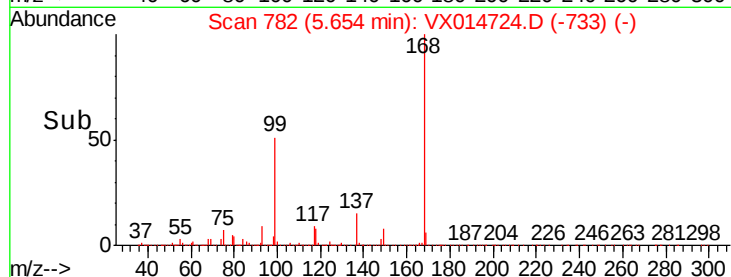
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.559 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014724.D

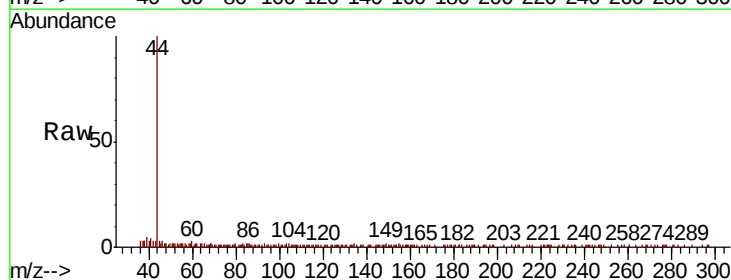
Acq: 27 Jan 2020 14:21

Tgt Ion: 85 Resp: 163

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

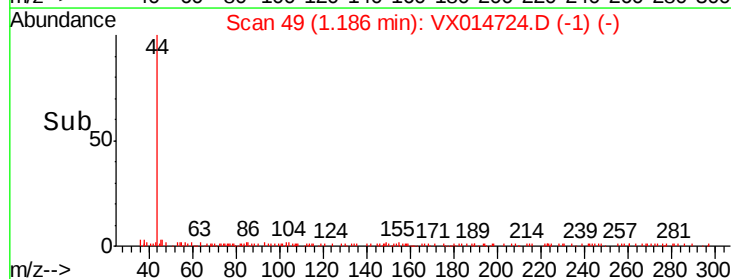
300

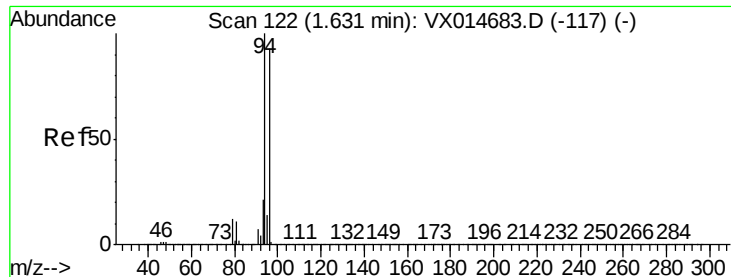
200

100

0

Time-->





#5

Bromomethane

Concen: 0.328 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

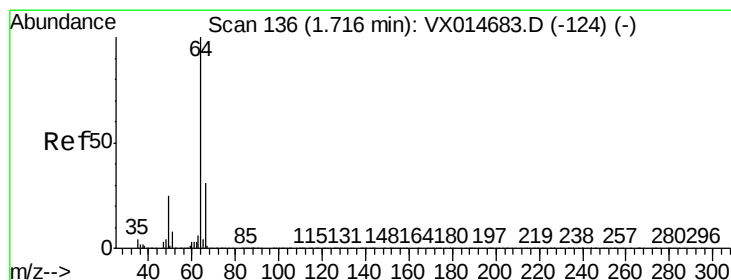
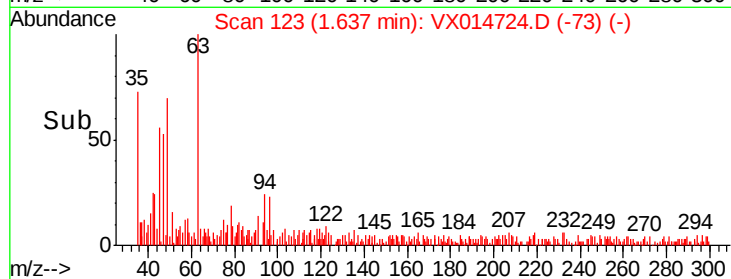
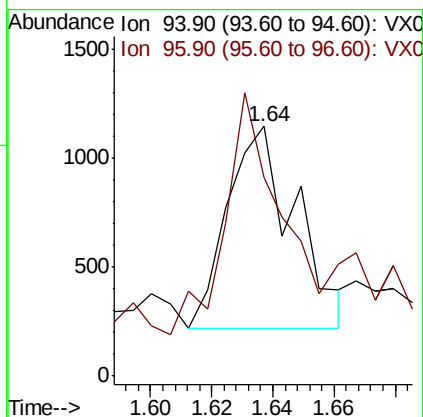
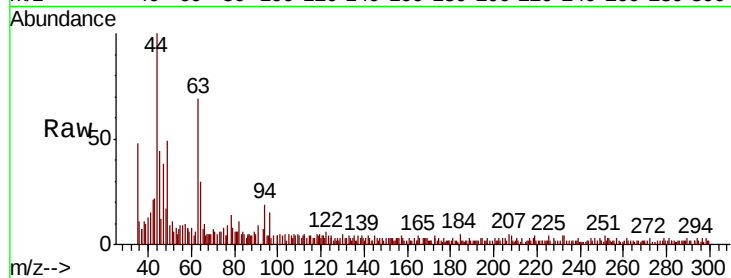
ClientSampleId :

Tot Ion: 94 Resp: 1422

Ion Ratio Lower Upper

94 100

96 56.4 74.7 112.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014724.D

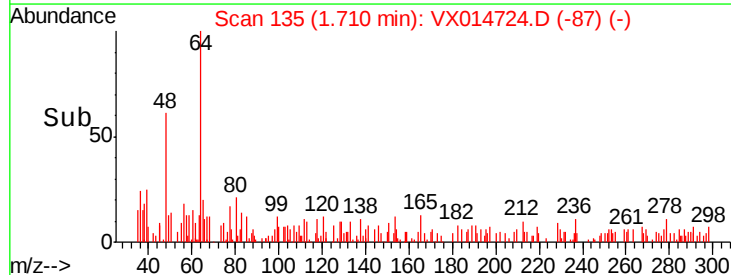
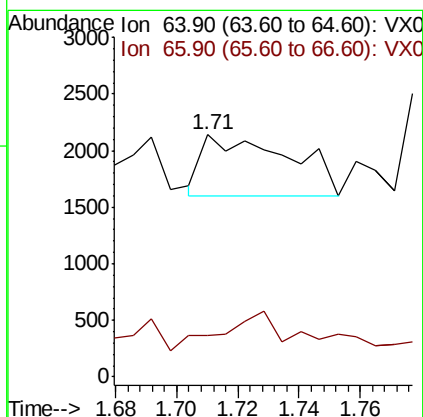
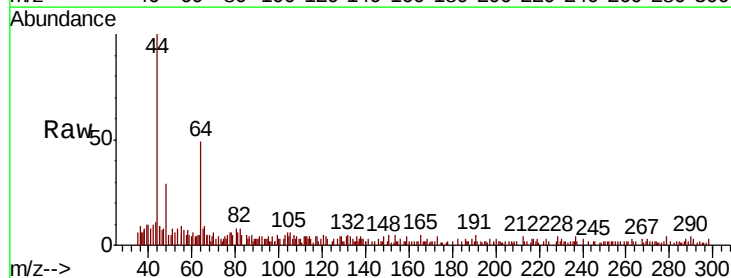
Acq: 27 Jan 2020 14:21

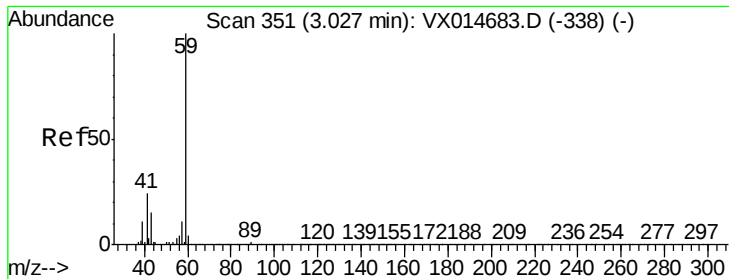
Tgt Ion: 64 Resp: 1055

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#

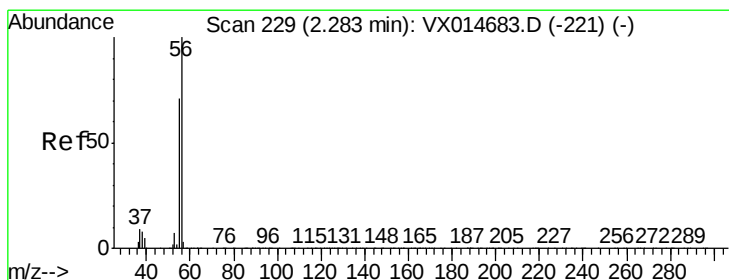
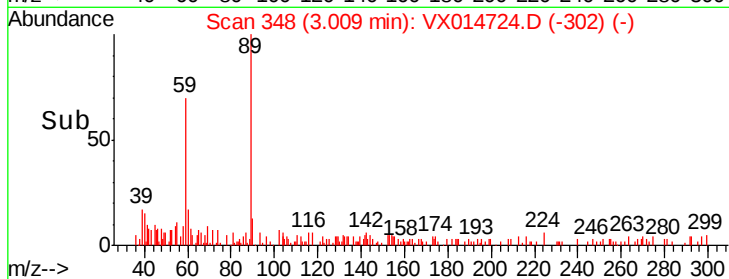
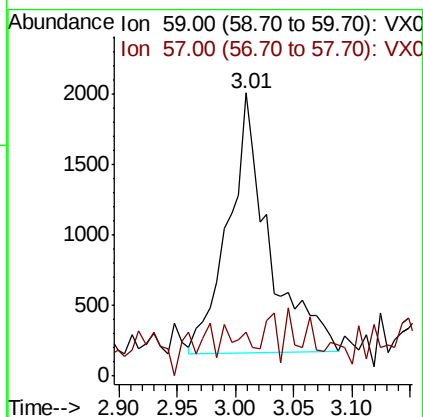
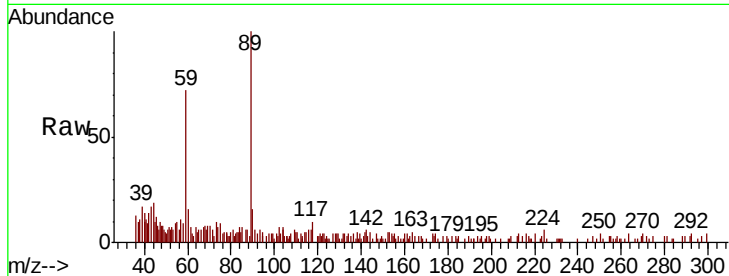




#11
Tert butyl alcohol
Concen: 3.865 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

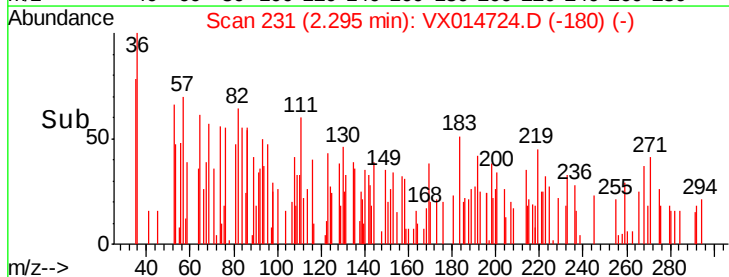
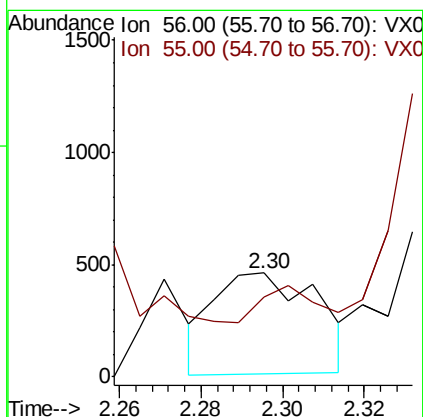
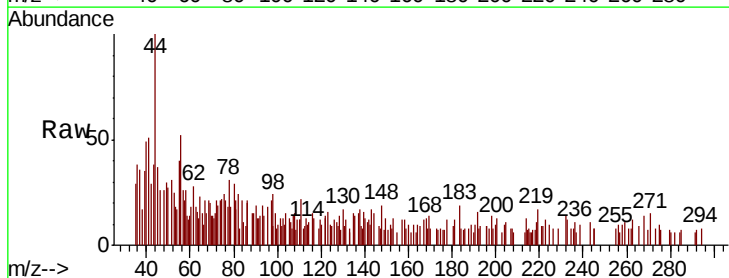
Instrument :
MSVOA_X
ClientSampleId :

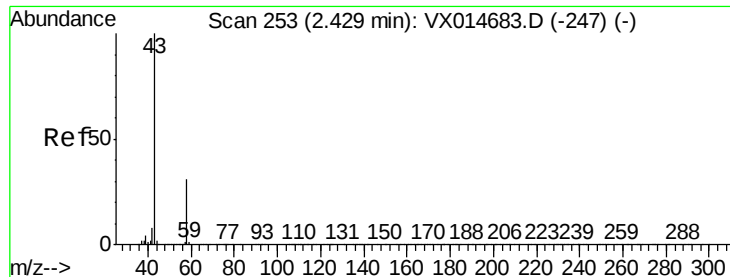
Tot Ion: 59 Resp: 4415
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.880 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion: 56 Resp: 793
Ion Ratio Lower Upper
56 100
55 30.8 56.6 84.8#

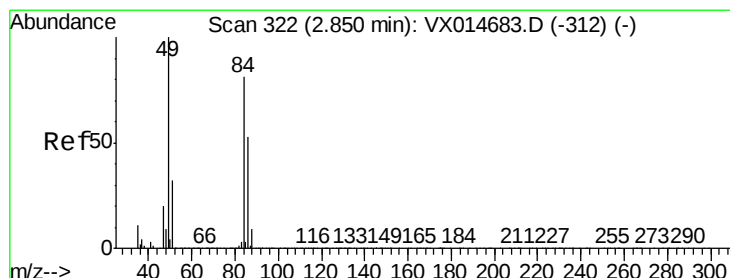
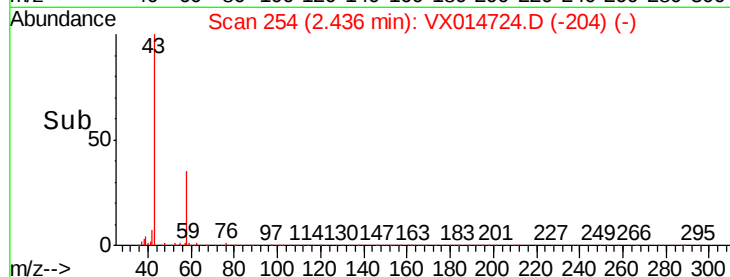
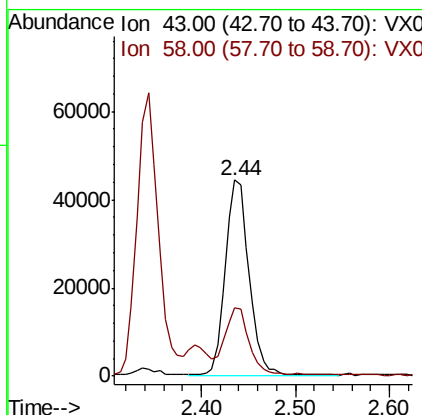
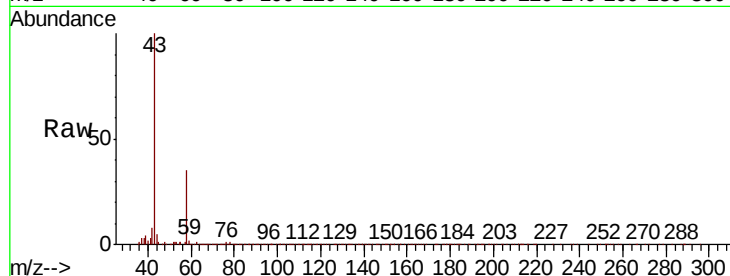




#16
Acetone
Concen: 28.717 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

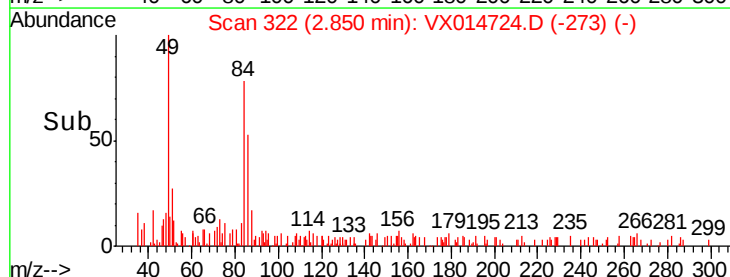
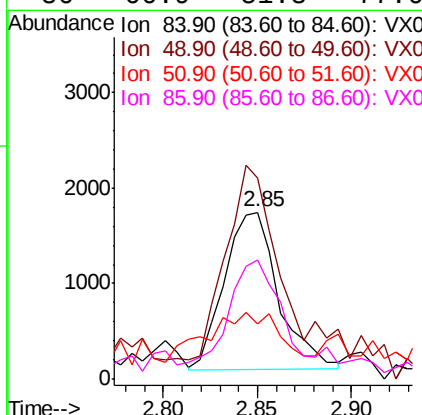
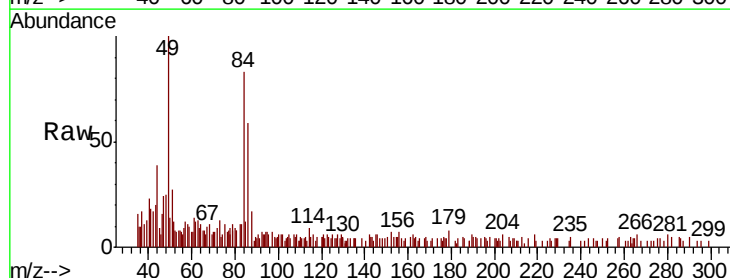
Instrument :
MSVOA_X
ClientSampleId :

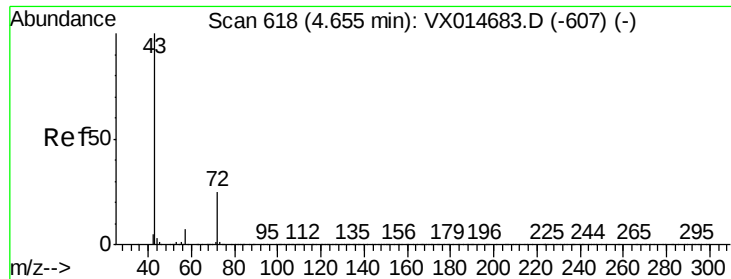
Tot Ion: 43 Resp: 79707
Ion Ratio Lower Upper
43 100
58 34.2 24.5 36.7



#20
Methylene Chloride
Concen: 0.637 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion: 84 Resp: 3287
Ion Ratio Lower Upper
84 100
49 117.7 98.2 147.4
51 10.0 31.3 46.9#
86 66.9 51.8 77.6





#25

2-Butanone

Concen: 0.783 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

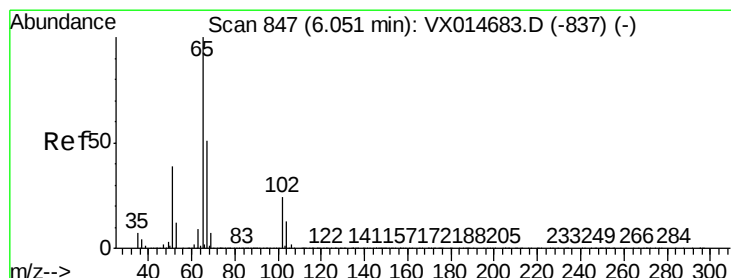
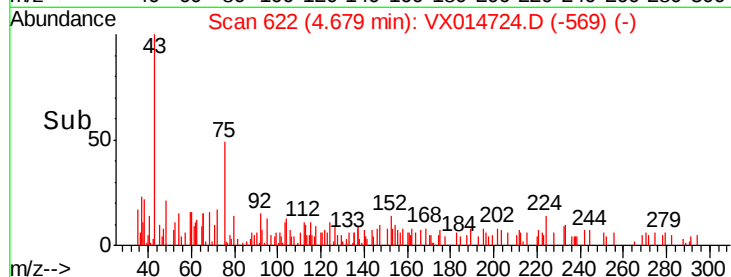
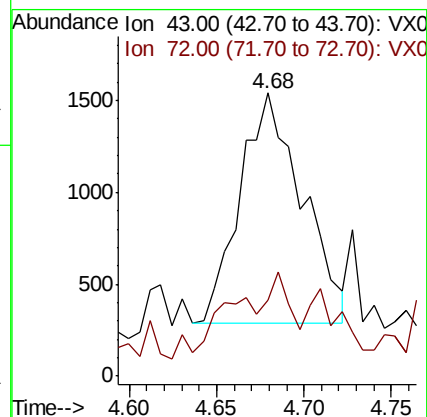
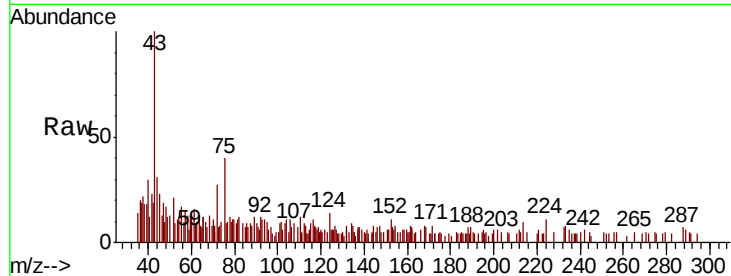
ClientSampleId :

Tot Ion: 43 Resp: 3128

Ion Ratio Lower Upper

43 100

72 10.0 19.9 29.9#



#33

1,2-Dichloroethane-d4

Concen: 49.644 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014724.D

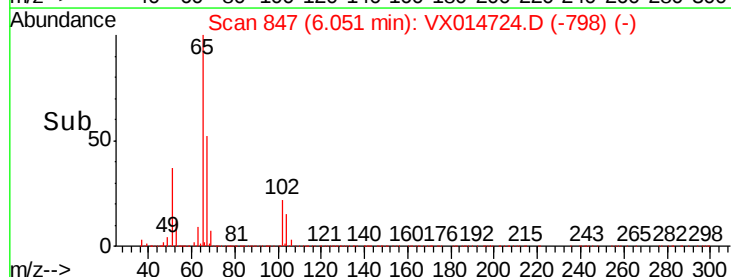
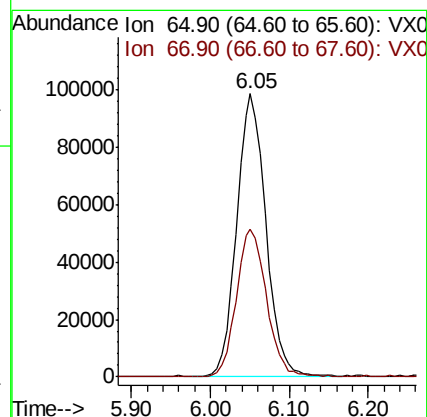
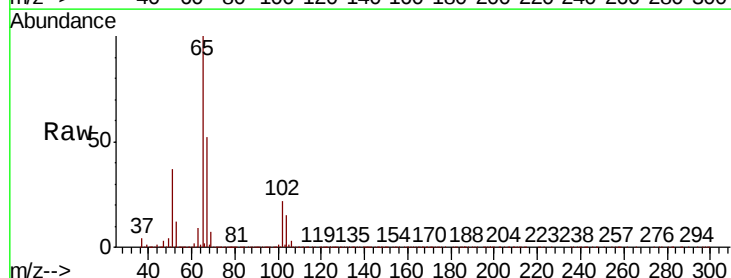
Acq: 27 Jan 2020 14:21

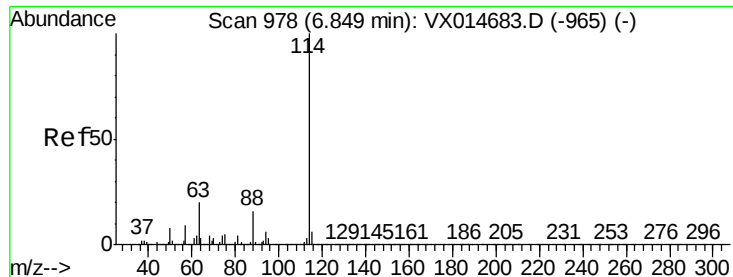
Tgt Ion: 65 Resp: 252586

Ion Ratio Lower Upper

65 100

67 53.7 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: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

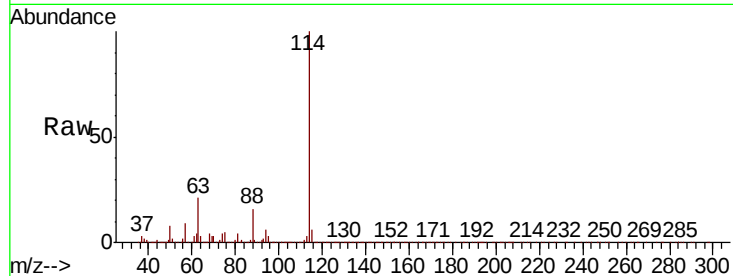
Tot Ion:114 Resp: 687183

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

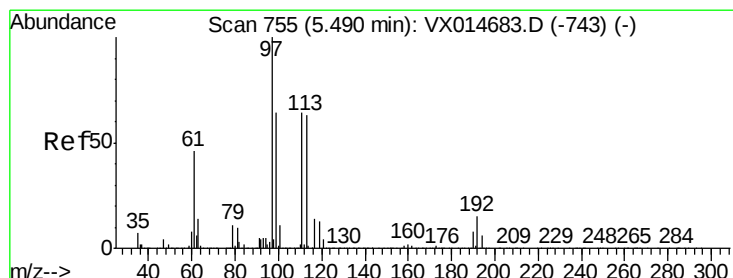
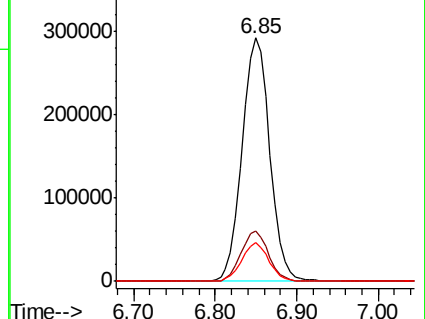
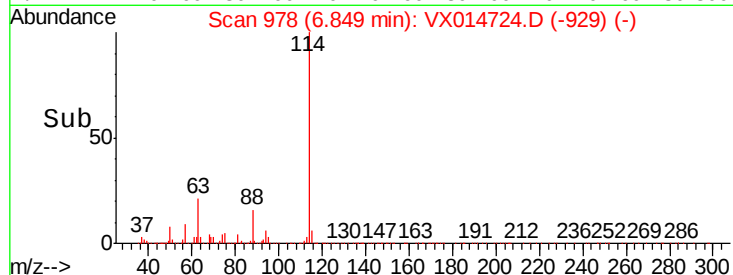
88 15.8 0.0 31.2



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: 47.435 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

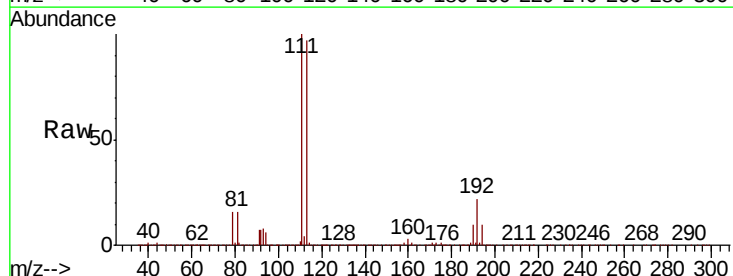
Tgt Ion:113 Resp: 205682

Ion Ratio Lower Upper

113 100

111 103.9 80.7 121.1

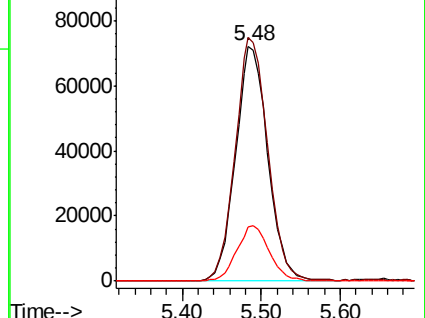
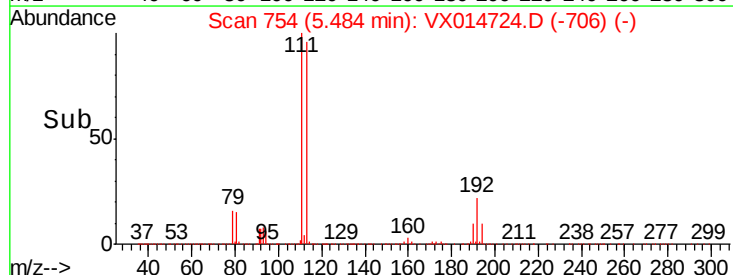
192 23.7 18.5 27.7

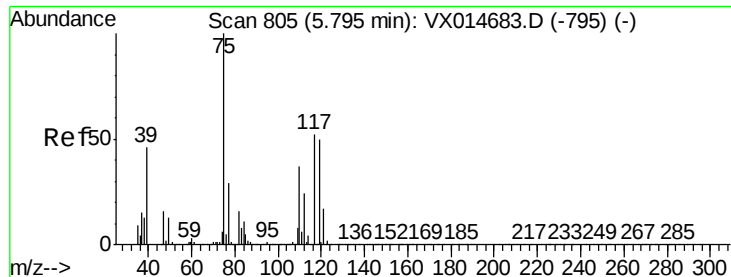


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

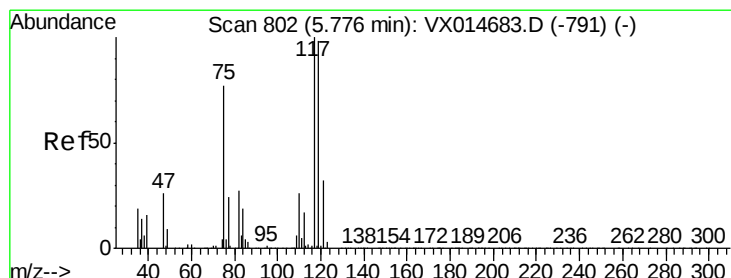
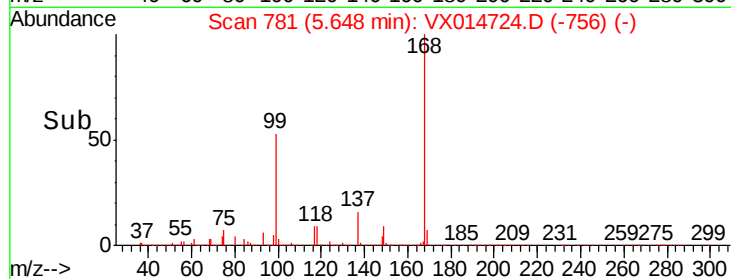
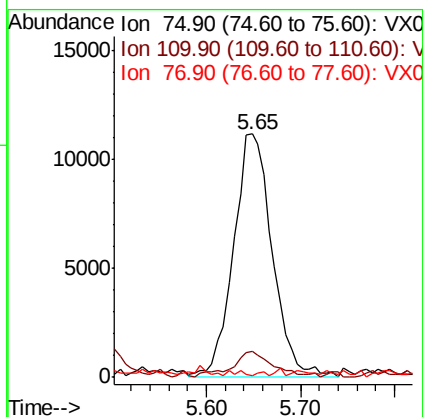
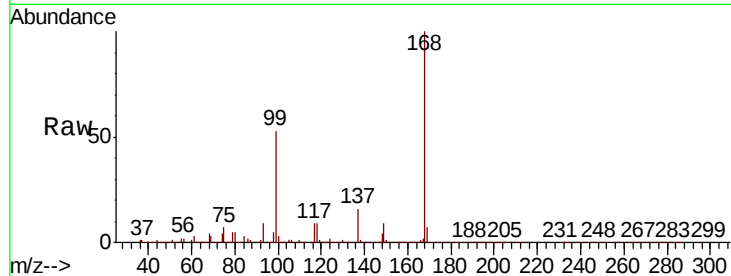




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014724.D
 Acq: 27 Jan 2020 14:21

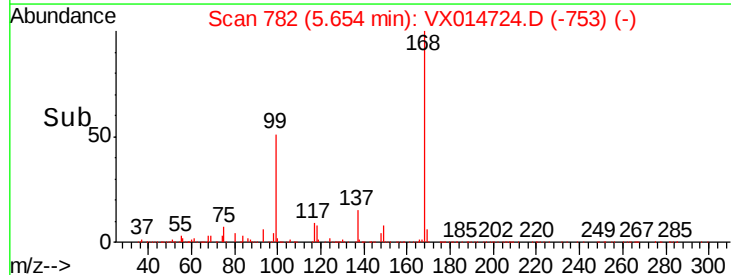
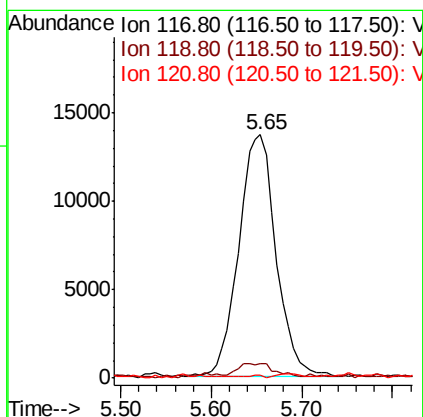
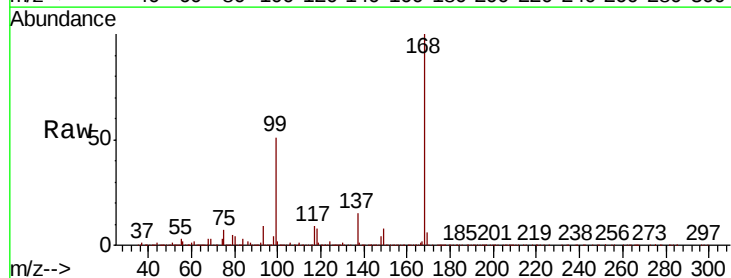
Instrument :
 MSVOA_X
 ClientSampled :

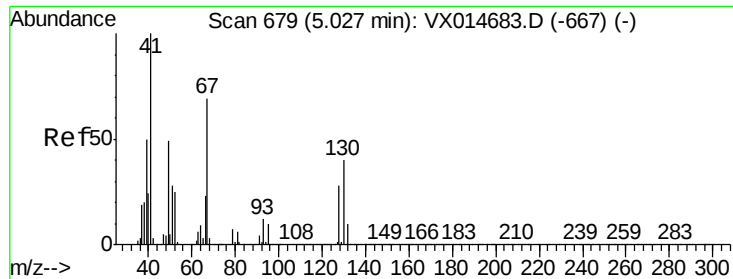
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.9	53.7#
77	0.3	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.435 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014724.D
 Acq: 27 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.9	116.9#
121	0.5	25.4	38.2#

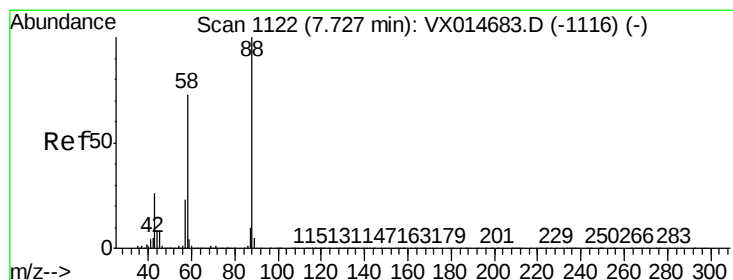
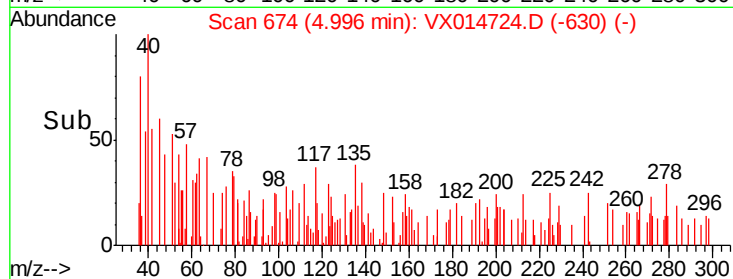
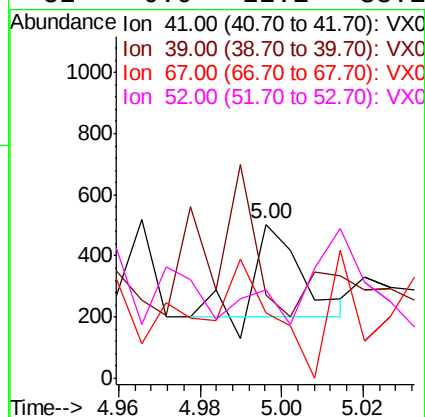
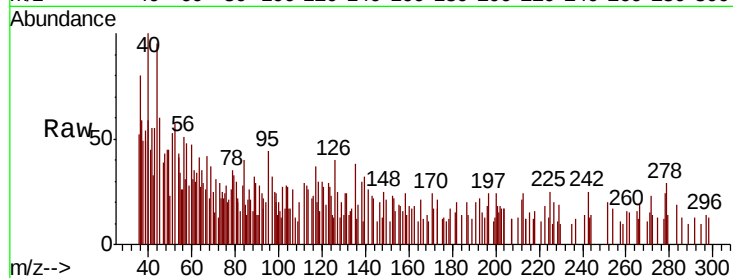




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.00 min Scan# 674
Delta R.T. -0.03 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

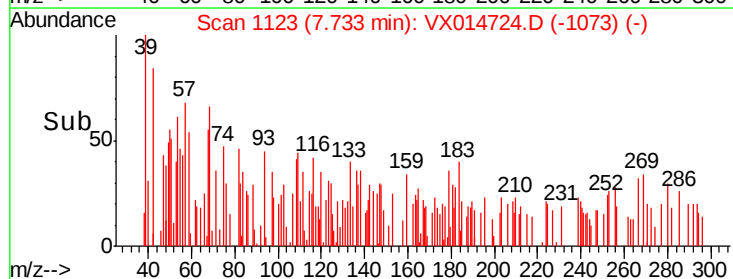
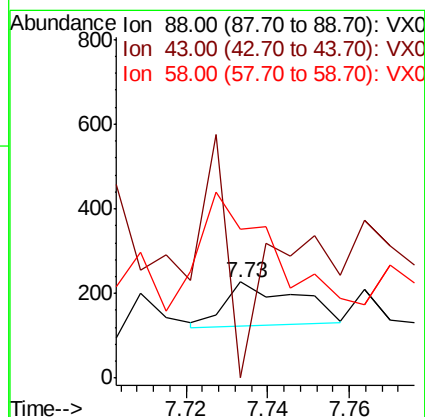
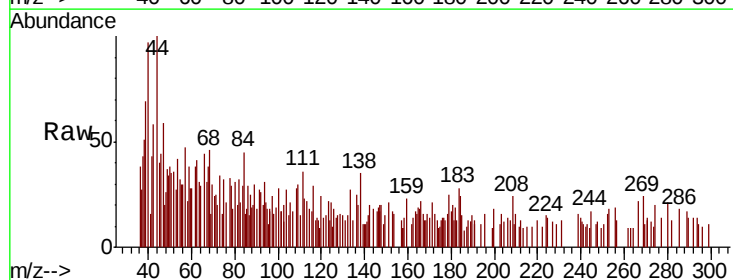
Instrument :
MSVOA_X
ClientSampleId :

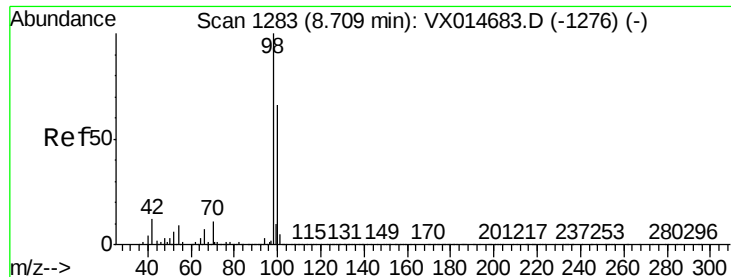
Tot Ion:	41	Resp:	232
Ion	Ratio	Lower	Upper
41	100		
39	161.2	42.2	63.2#
67	151.7	55.4	83.0#
52	0.0	22.1	33.1#



#49
1,4-Dioxane
Concen: 1.064 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion:	88	Resp:	129
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.2	39.2#
58	364.3	56.6	85.0#





#50

Toluene-d8

Concen: 49.615 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

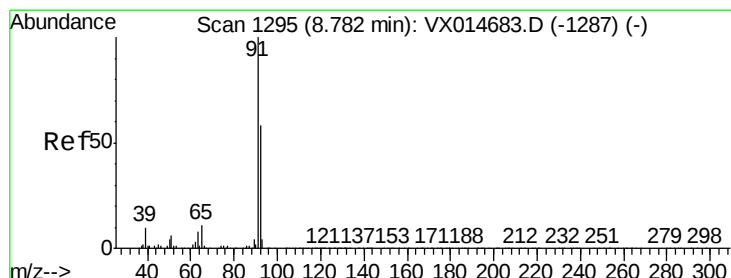
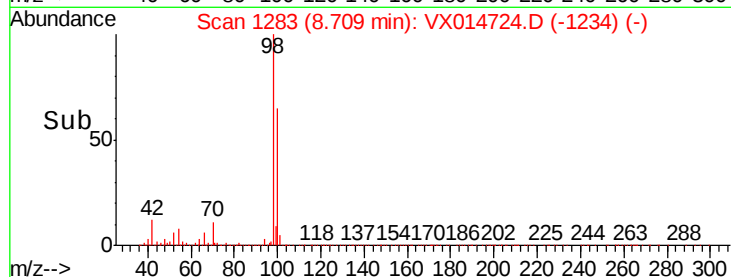
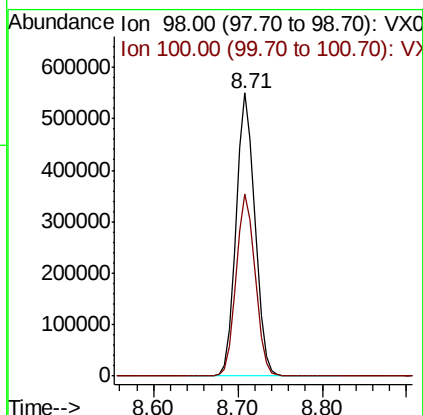
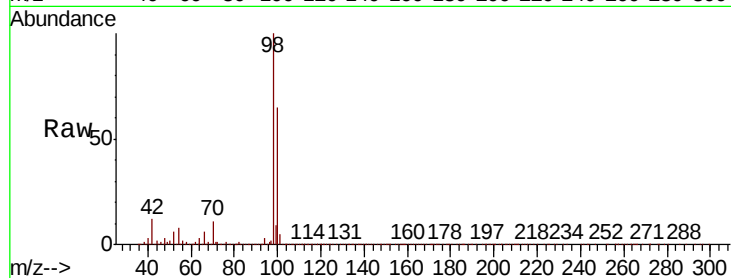
ClientSampleId :

Tot Ion: 98 Resp: 827058

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6



#52

Toluene

Concen: 5.283 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014724.D

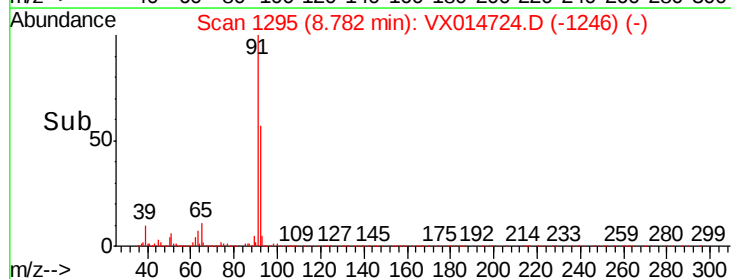
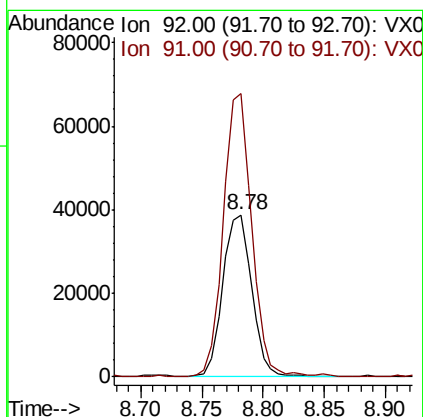
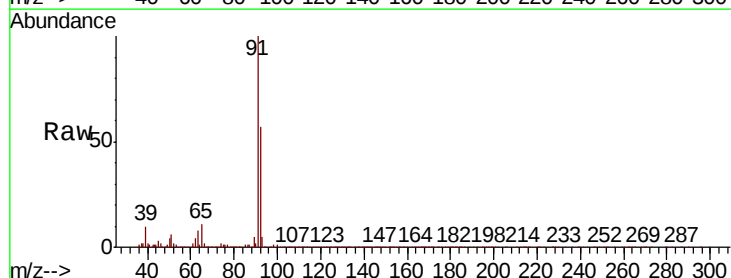
Acq: 27 Jan 2020 14:21

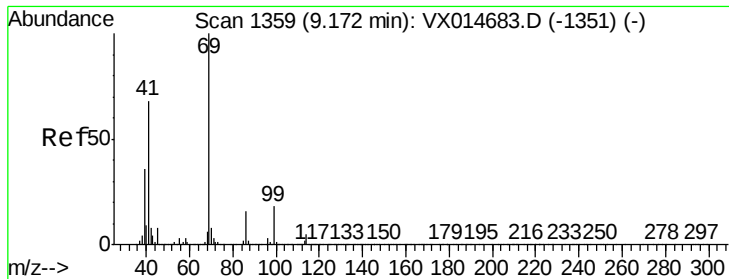
Tgt Ion: 92 Resp: 64075

Ion Ratio Lower Upper

92 100

91 169.0 135.9 203.9





#56

Ethyl methacrylate

Concen: 1.802 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

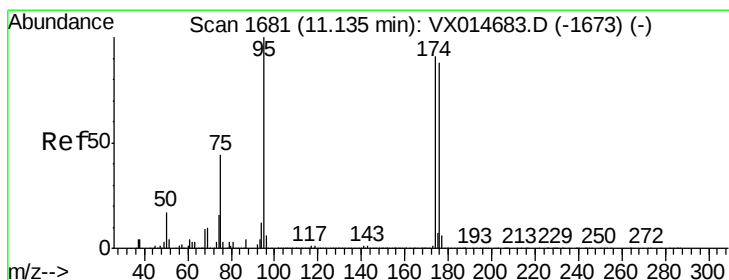
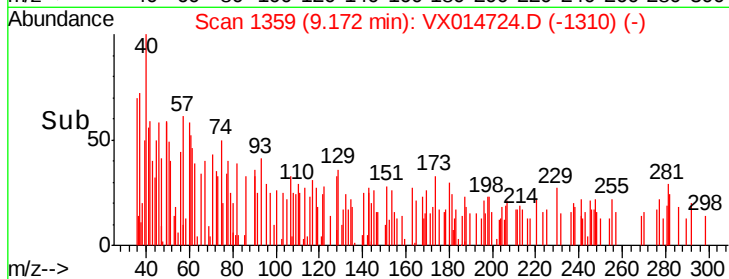
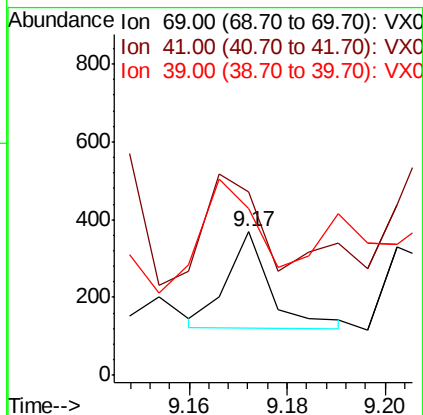
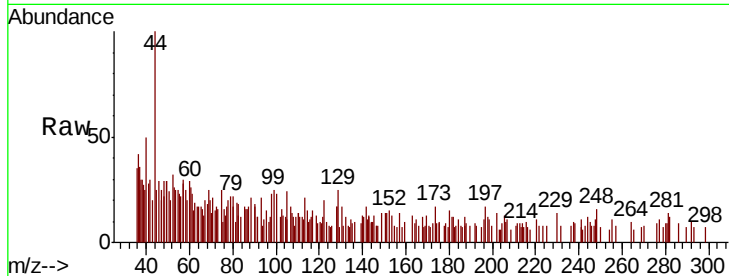
Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 69 Resp: 155

Ion	Ratio	Lower	Upper
69	100		
41	303.9	54.9	82.3#
39	547.1	29.3	43.9#



#62

4-Bromofluorobenzene

Concen: 49.480 ug/l

RT: 11.13 min Scan# 1680

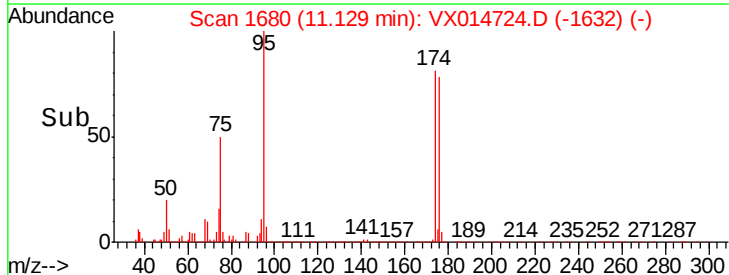
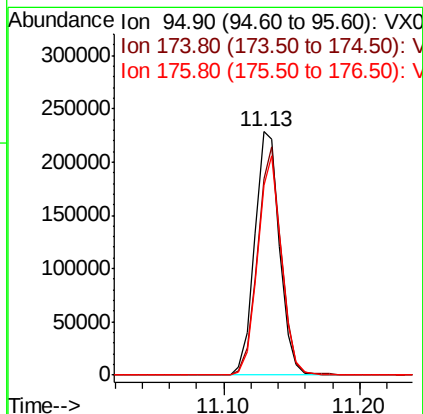
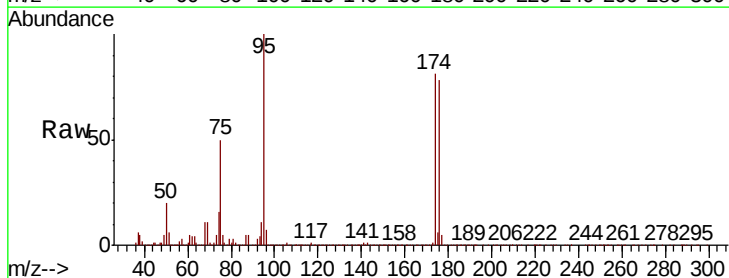
Delta R.T. -0.01 min

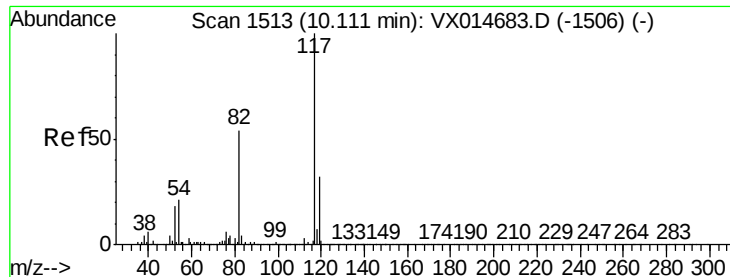
Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Tgt Ion: 95 Resp: 293817

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	176.0
176	86.7	0.0	172.2

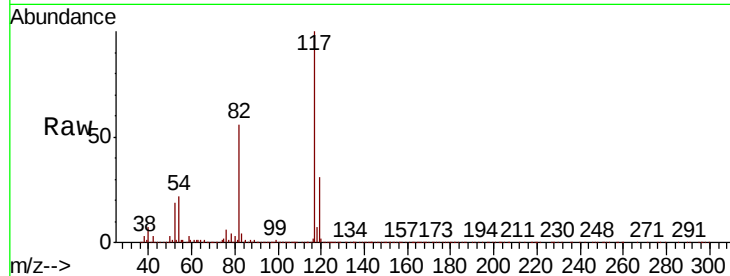




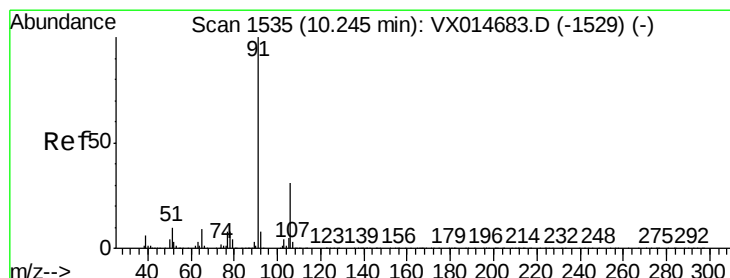
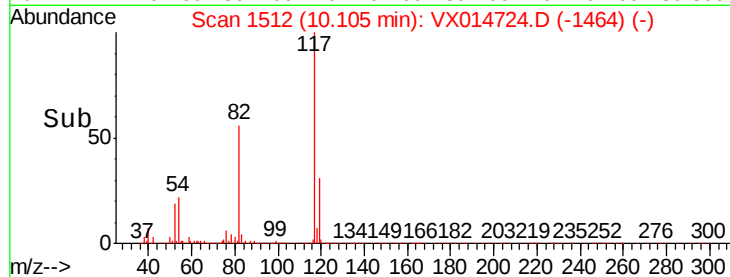
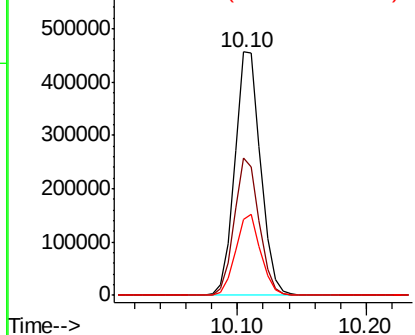
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.2	64.8
119	31.4	25.8	38.6

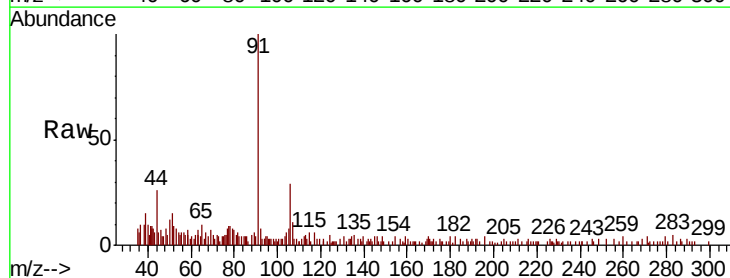


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

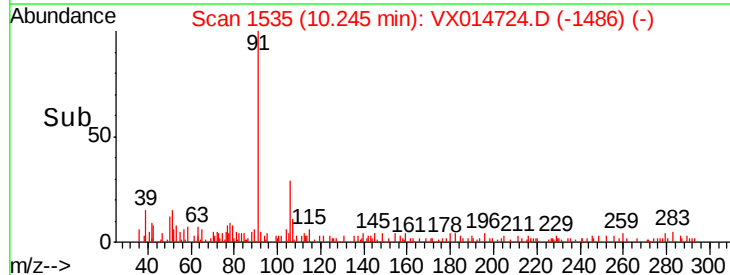
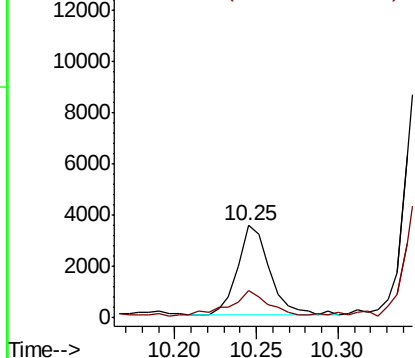


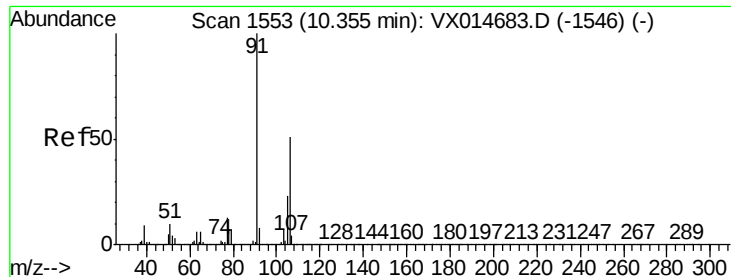
#67
Ethyl Benzene
Concen: 0.204 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.4	24.9	37.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.067 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX014724.D

Acq: 27 Jan 2020 14:21

Instrument :

MSVOA_X

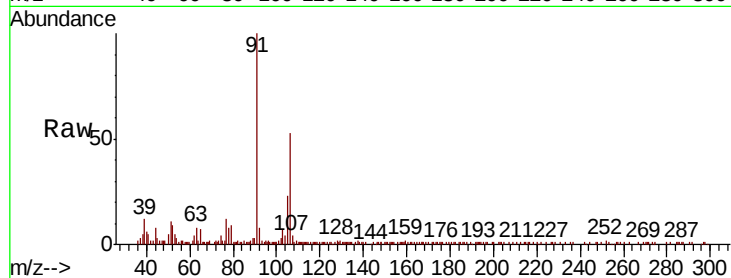
ClientSampleId :

Tot Ion:106 Resp: 9377

Ion Ratio Lower Upper

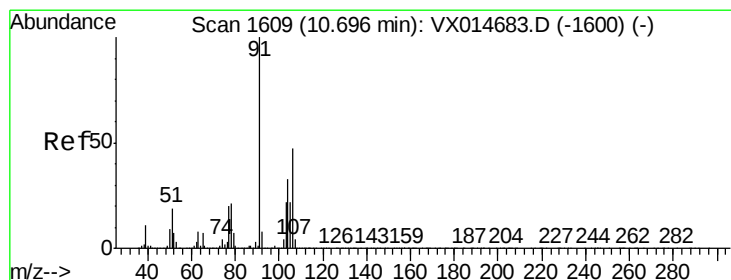
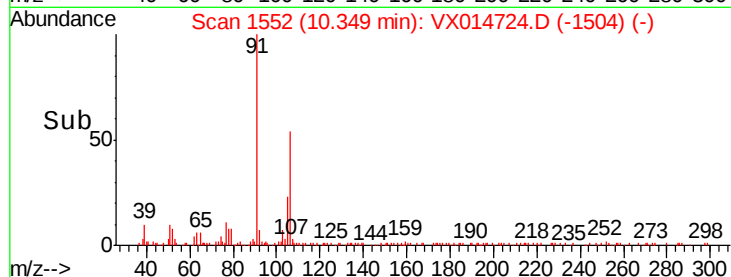
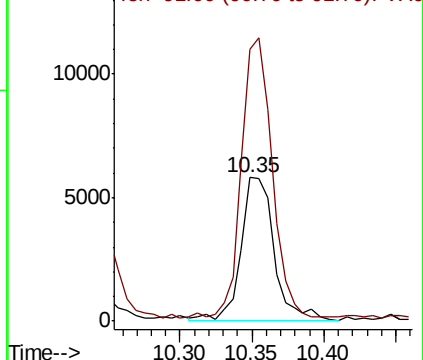
106 100

91 178.8 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.514 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014724.D

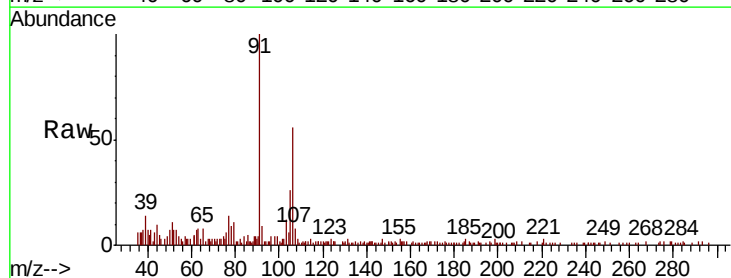
Acq: 27 Jan 2020 14:21

Tgt Ion:106 Resp: 4361

Ion Ratio Lower Upper

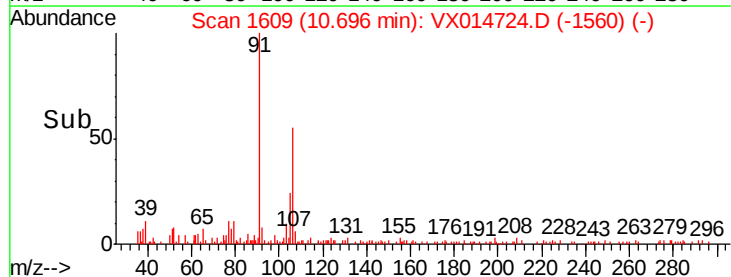
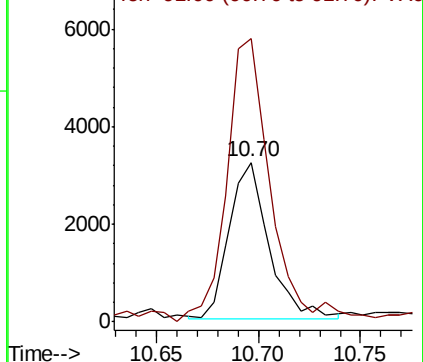
106 100

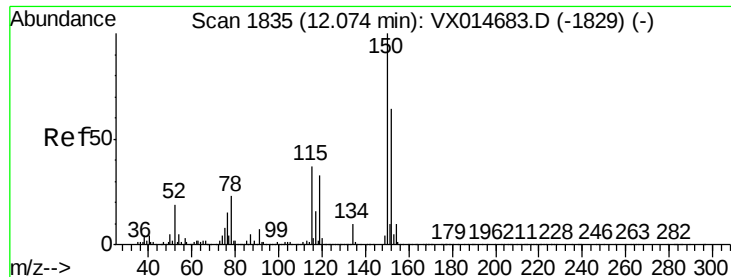
91 198.3 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



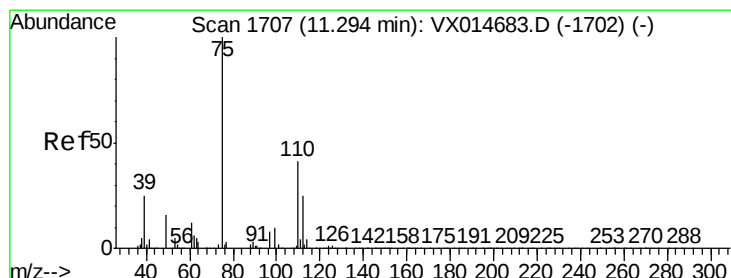
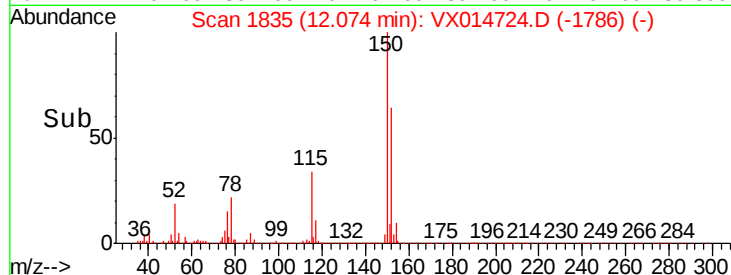
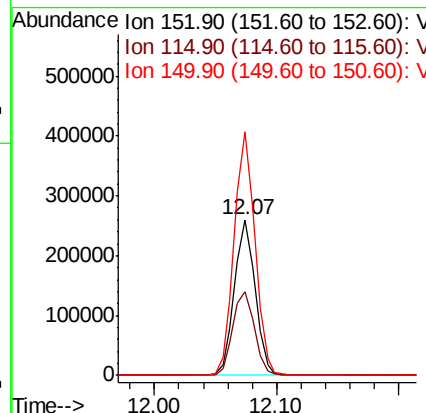
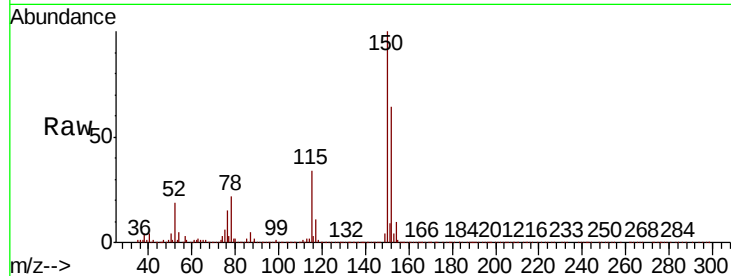


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :

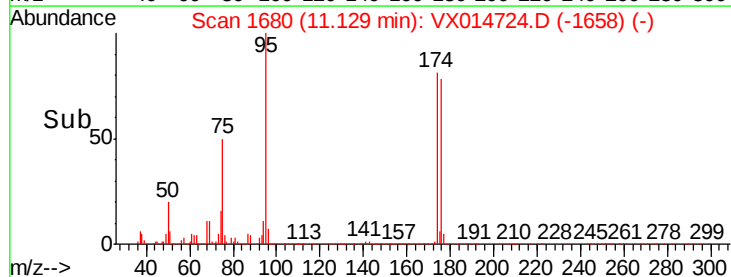
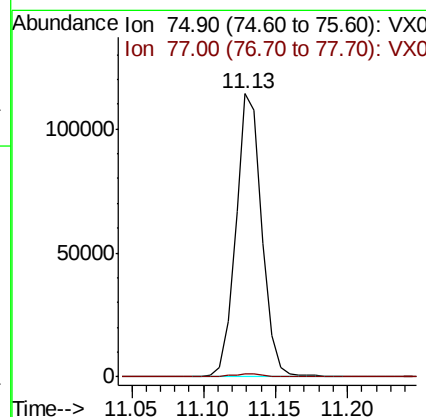
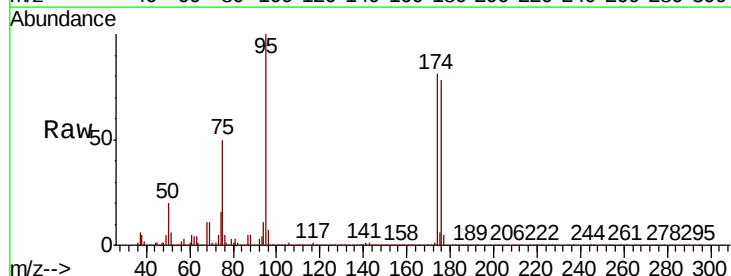
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	39.4	118.1
150	156.5	0.0	351.2

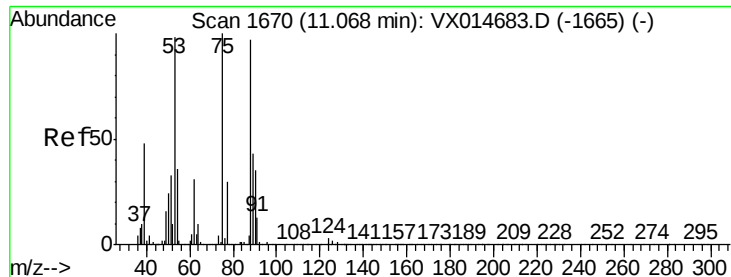


#76

1,2,3-Trichloropropane
Concen: 20.218 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.7	56.1

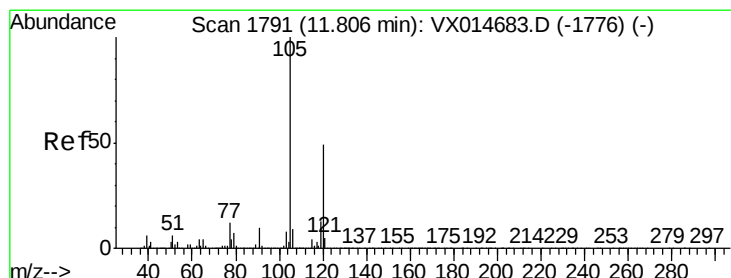
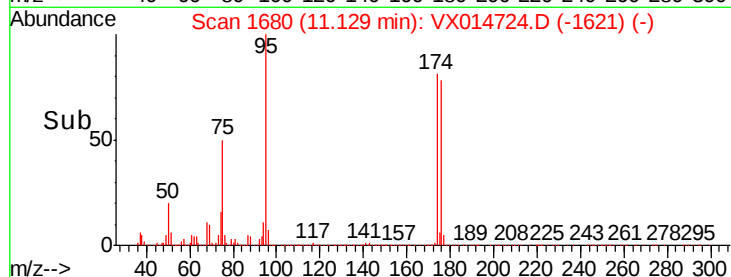
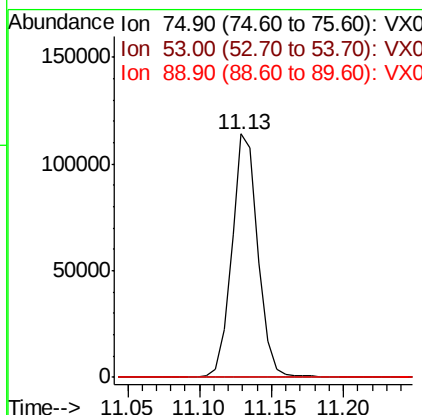
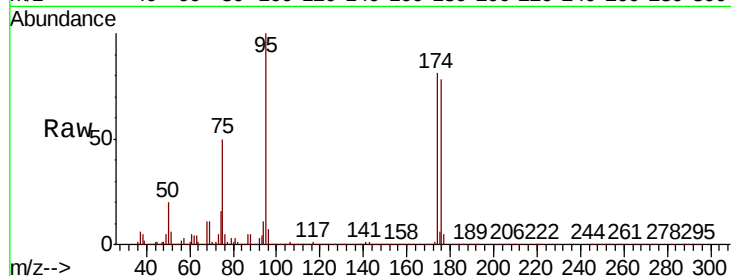




#81
trans-1,4-Dichloro-2-butene
Concen: 57.537 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

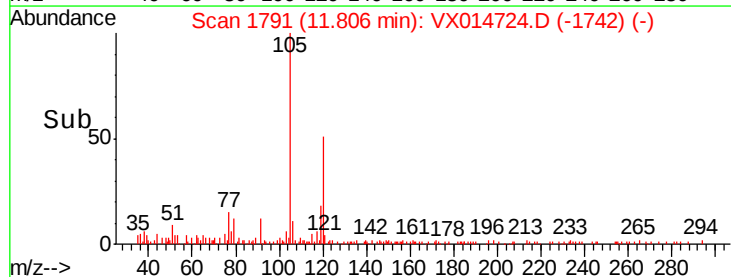
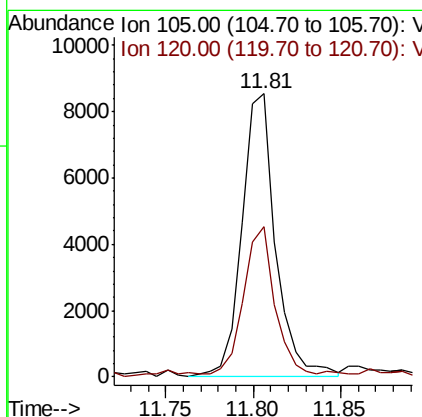
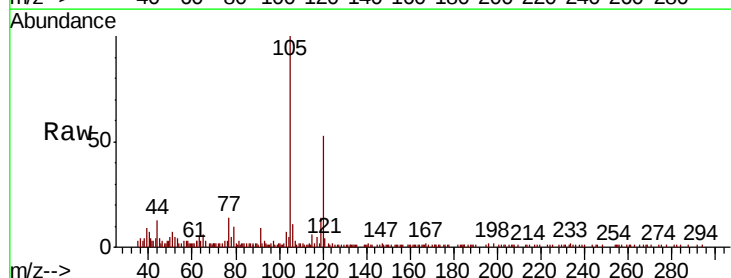
Instrument :
MSVOA_X
ClientSampleId :

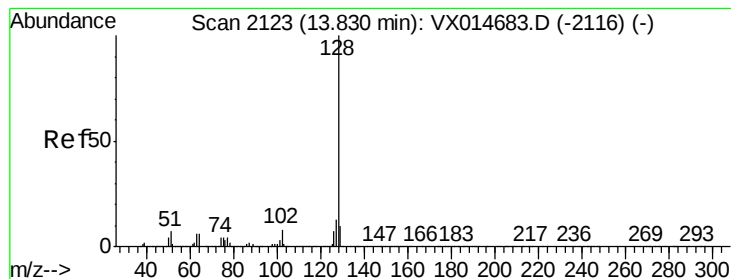
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	78.8	118.2#
89	0.0	35.4	53.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.641 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.0





#95
Naphthalene
Concen: 1.032 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014724.D
Acq: 27 Jan 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	23.5	8.6	12.8#

