

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012720\
 Data File : VX014728.D
 Acq On : 27 Jan 2020 15:54
 Operator : JC/SP
 Sample : L1245-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:17:15 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	451647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	703082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	641450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	295626	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	260481	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	123501	27.84	ug/l	0.00
Spiked Amount			Recovery	=	55.68%	
50) Toluene-d8	8.71	98	836725	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.14	95	281797	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

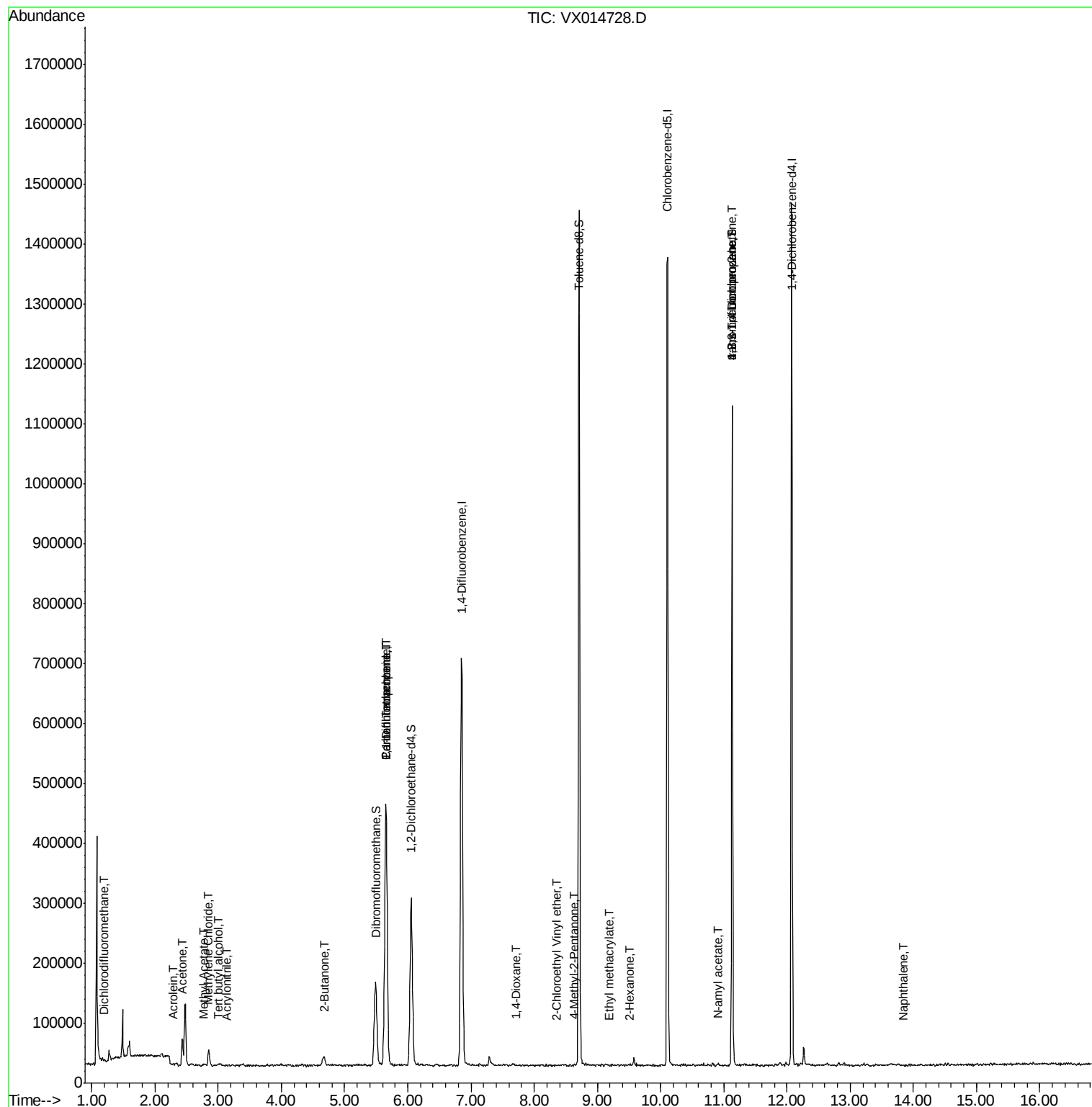
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102	0.548	ug/l #	42
6) Chloroethane	1.72	64	833	Below Cal	#	60
11) Tert butyl alcohol	3.01	59	1737	1.467	ug/l #	58
13) Acrolein	2.29	56	602	0.645	ug/l	97
15) Acrylonitrile	3.14	53	636	0.232	ug/l #	71
16) Acetone	2.43	43	50257	17.526	ug/l	97
18) Methyl Acetate	2.76	43	3508	0.425	ug/l #	72
20) Methylene Chloride	2.85	84	13621	2.547	ug/l	92
25) 2-Butanone	4.67	43	12486	3.015	ug/l #	88
36) 1,1-Dichloropropene	5.65	75	30624	4.688	ug/l #	54
38) Carbon Tetrachloride	5.65	117	40542	6.498	ug/l #	15
41) Methacrylonitrile	5.01	41	94	Below Cal	#	1
49) 1,4-Dioxane	7.72	88	168	1.354	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1803	0.233	ug/l	99
56) Ethyl methacrylate	9.18	69	363	1.825	ug/l #	71
58) 2-Chloroethyl Vinyl ether	8.36	63	525	0.205	ug/l	97
59) 2-Hexanone	9.50	43	1473	0.245	ug/l	72
74) N-amyl acetate	10.90	43	1840	0.202	ug/l #	67
76) 1,2,3-Trichloropropane	11.13	75	141991	20.644	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	141991	58.750	ug/l #	11
95) Naphthalene	13.84	128	756	0.967	ug/l #	46

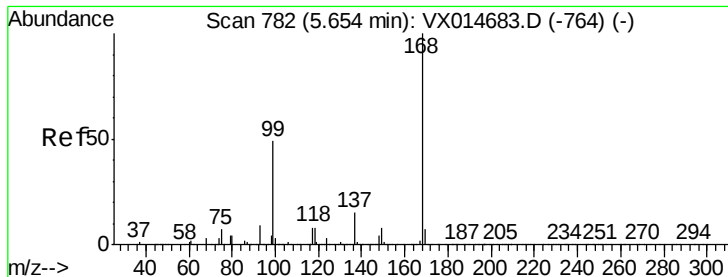
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jan 28 03:17:15 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# 782

Delta R.T. -0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

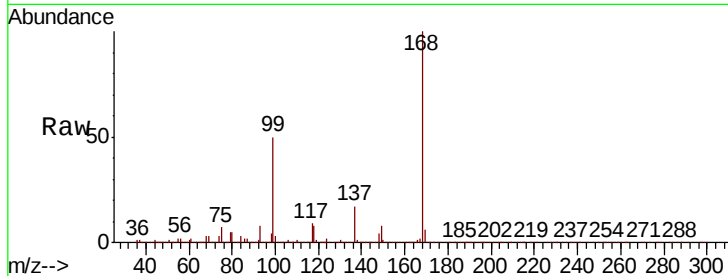
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 451647

Ion Ratio Lower Upper

168 100

99 49.9 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

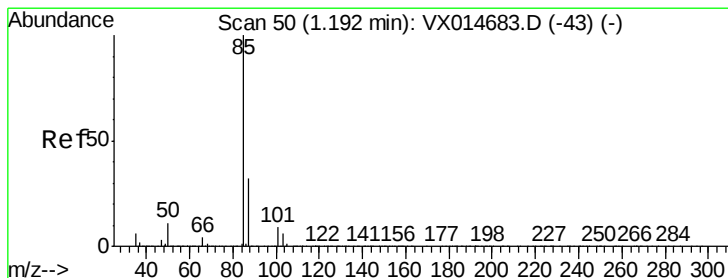
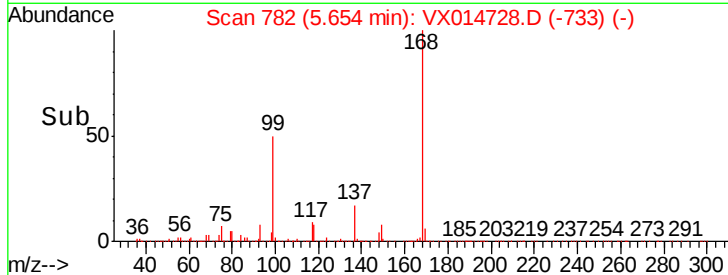
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.548 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014728.D

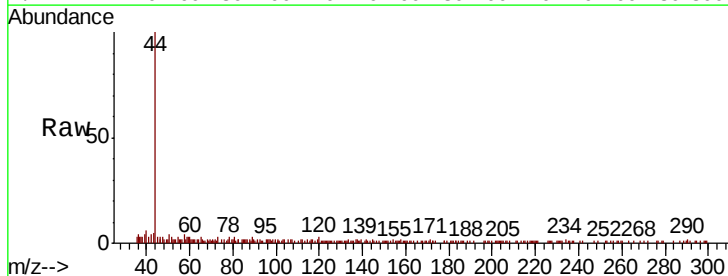
Acq: 27 Jan 2020 15:54

Tgt Ion: 85 Resp: 102

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

400

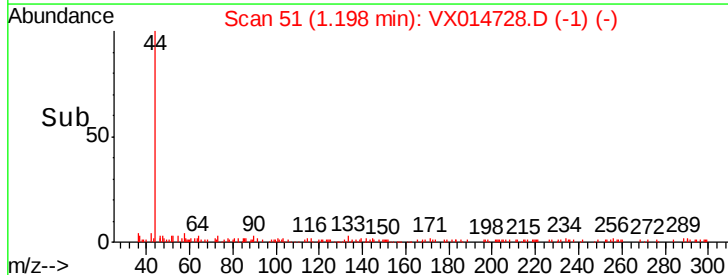
300

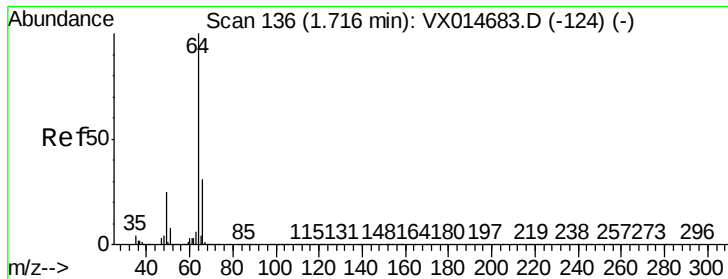
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

Instrument :

MSVOA_X

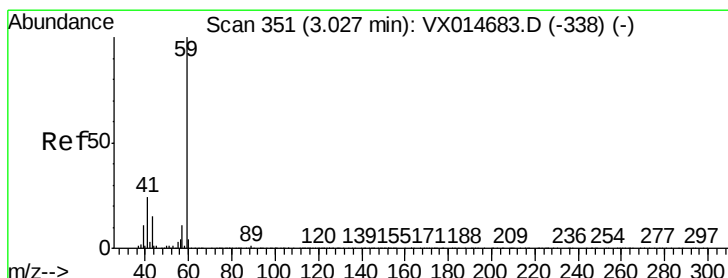
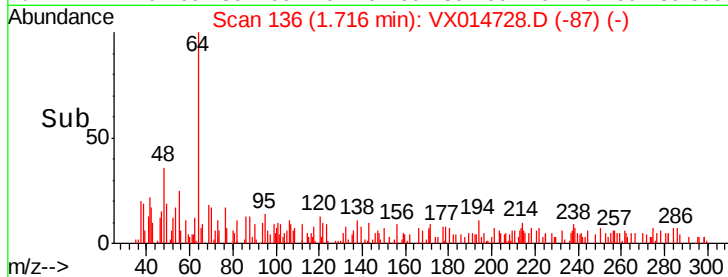
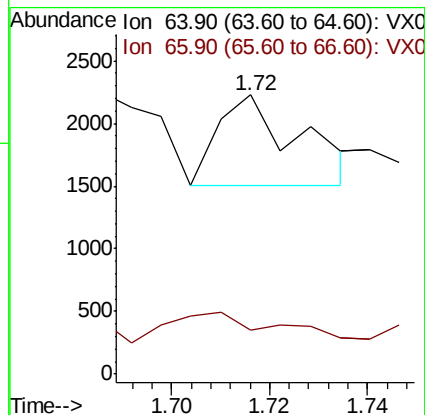
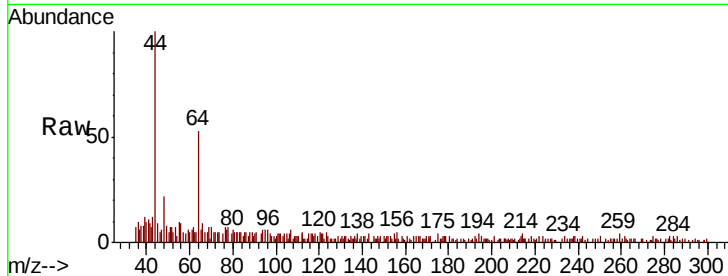
ClientSampled :

Tot Ion: 64 Resp: 833

Ion Ratio Lower Upper

64 100

66 9.6 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.467 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014728.D

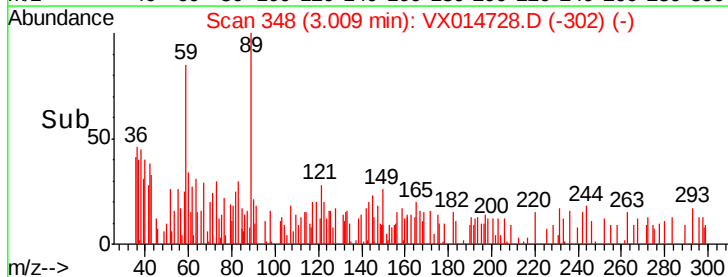
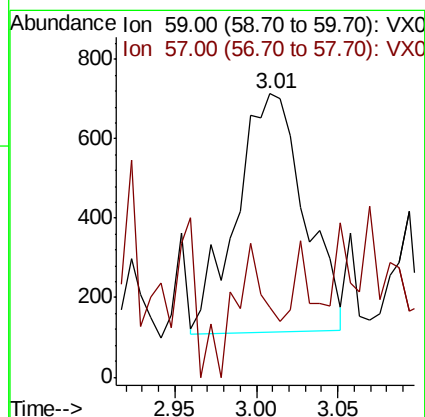
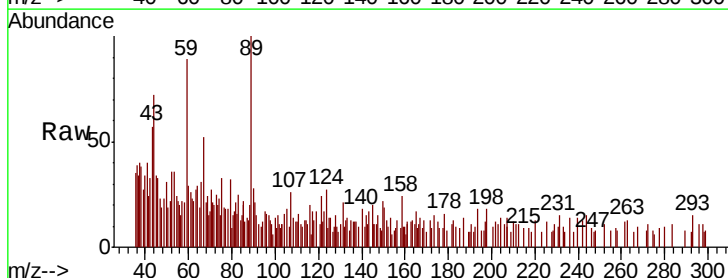
Acq: 27 Jan 2020 15:54

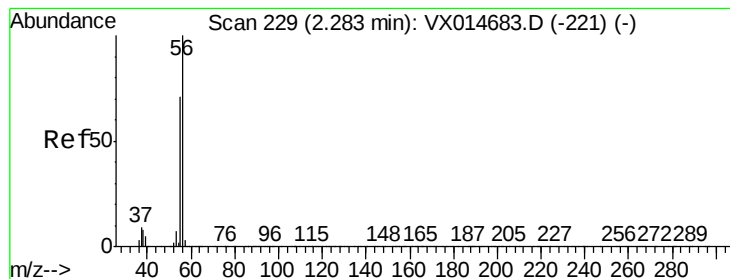
Tgt Ion: 59 Resp: 1737

Ion Ratio Lower Upper

59 100

57 26.2 8.3 12.5#





#13

Acrolein

Concen: 0.645 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

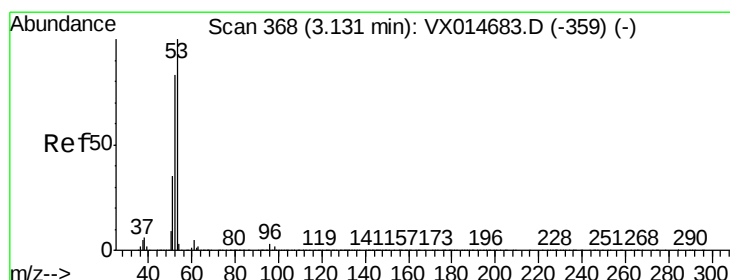
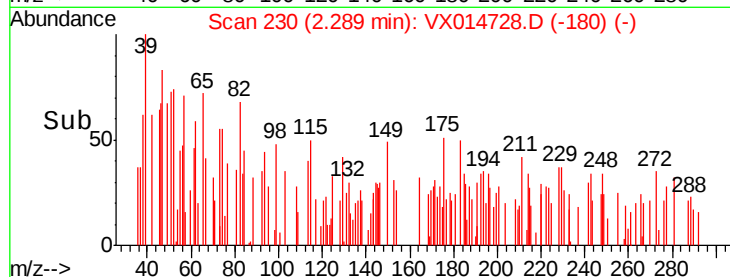
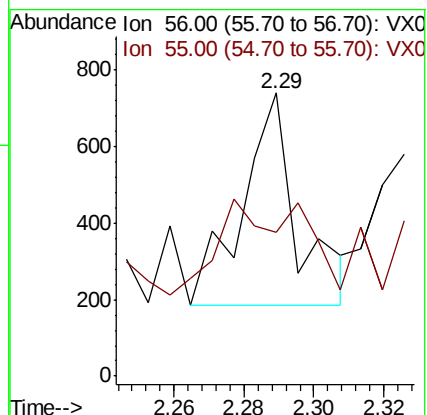
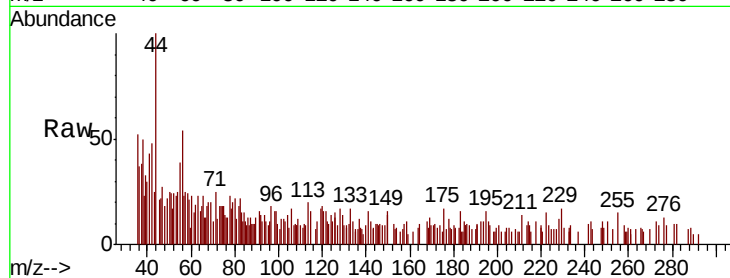
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 602

Ion Ratio Lower Upper

56 100

55 68.3 56.6 84.8



#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

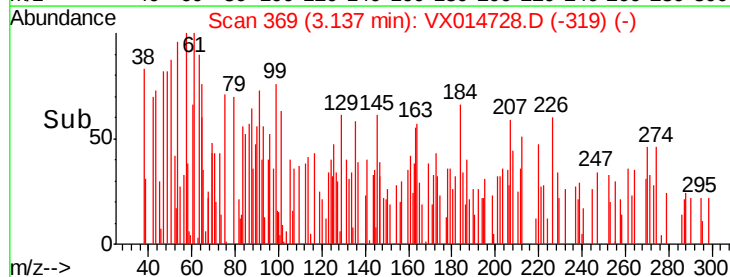
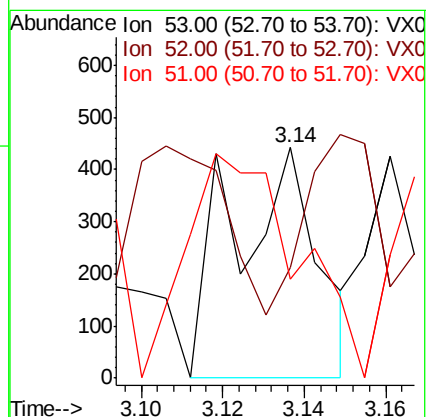
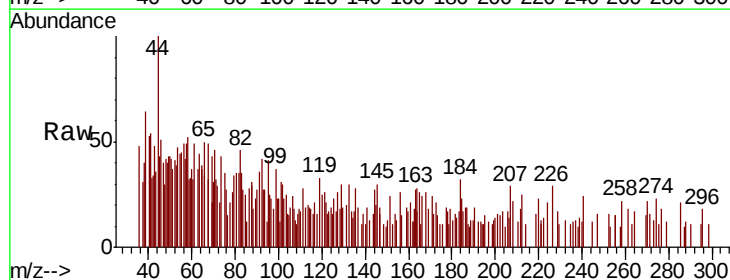
Tgt Ion: 53 Resp: 636

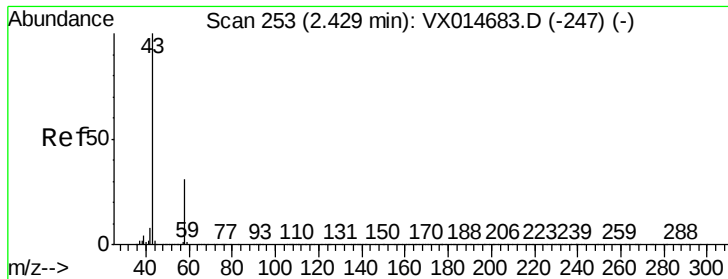
Ion Ratio Lower Upper

53 100

52 69.5 66.4 99.6

51 0.0 28.7 43.1#





#16

Acetone

Concen: 17.526 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

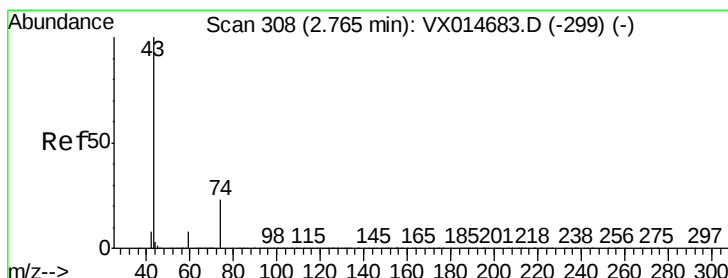
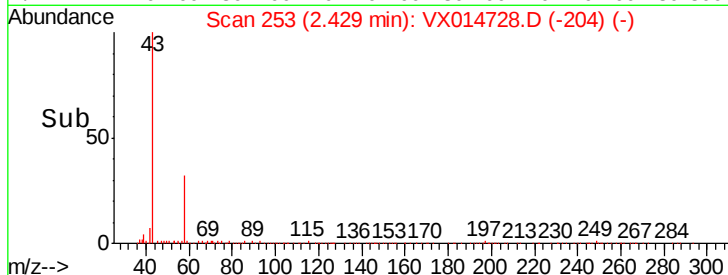
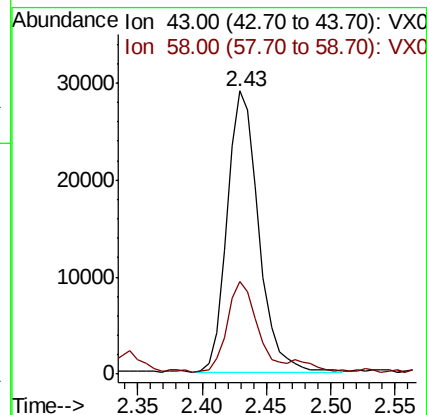
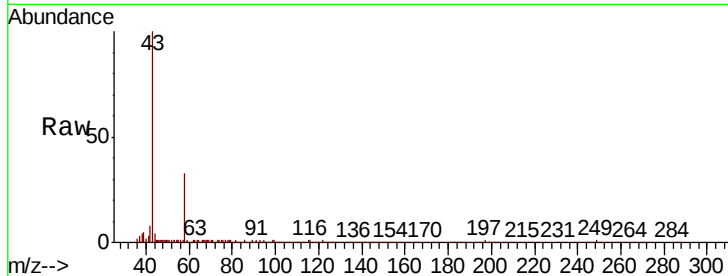
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 50257

Ion Ratio Lower Upper

43 100

58 32.0 24.5 36.7



#18

Methyl Acetate

Concen: 0.425 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014728.D

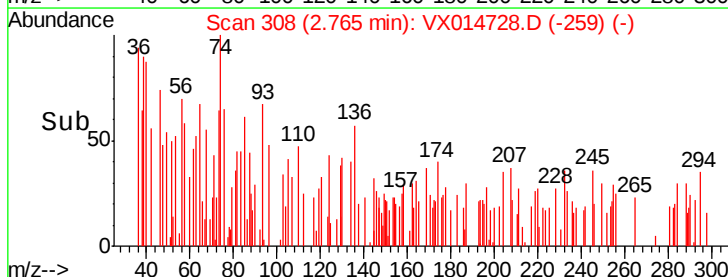
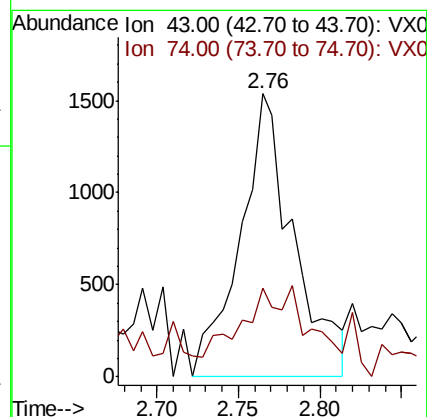
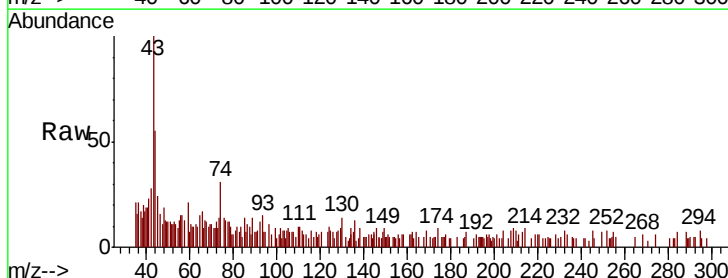
Acq: 27 Jan 2020 15:54

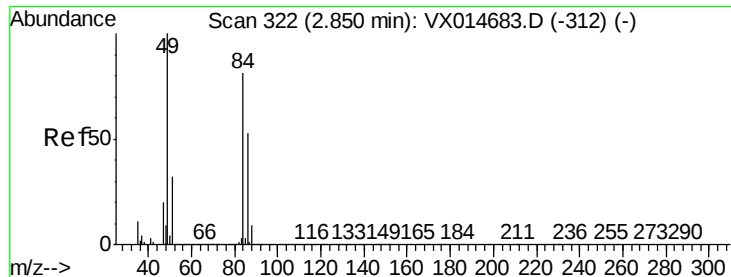
Tgt Ion: 43 Resp: 3508

Ion Ratio Lower Upper

43 100

74 36.7 18.5 27.7#

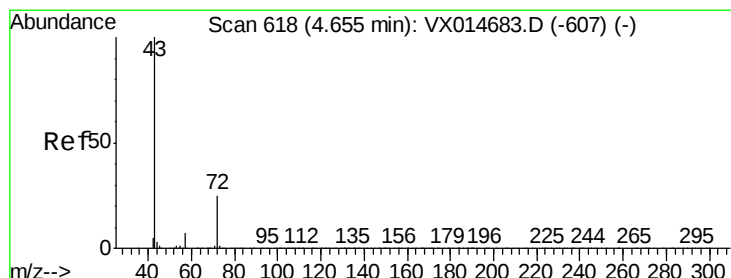
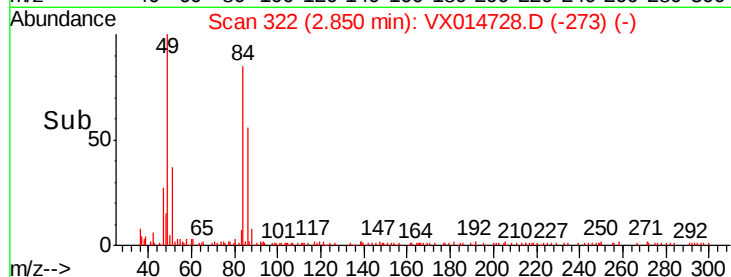
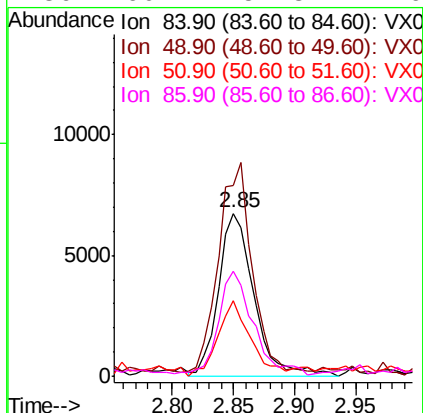
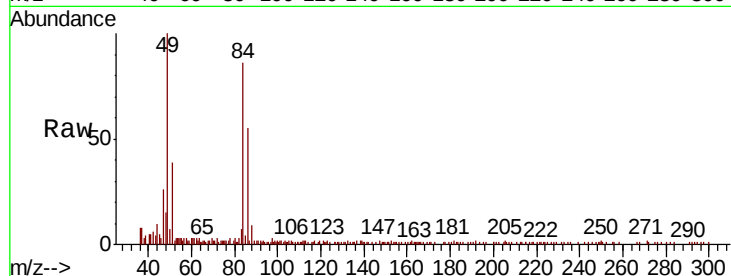




#20
Methvlene Chloride
Concen: 2.547 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

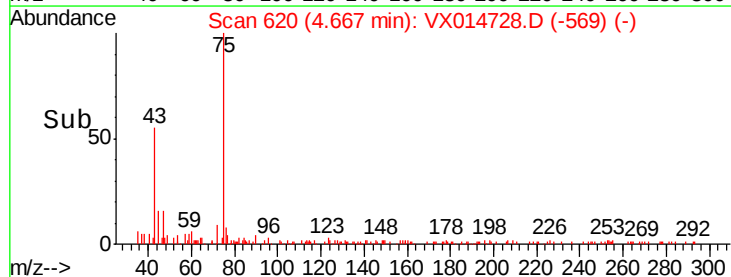
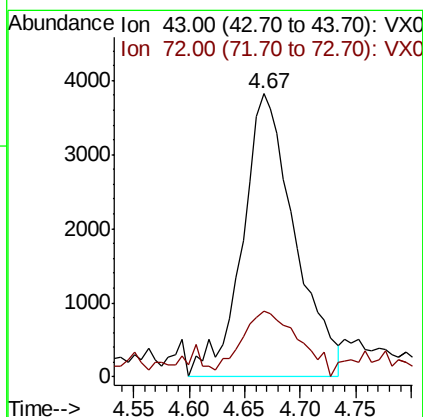
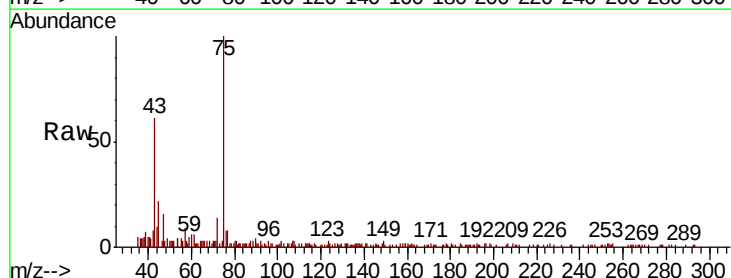
Instrument :
MSVOA_X
ClientSampled :

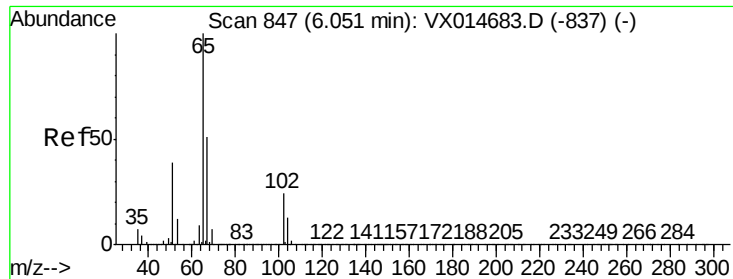
Tot Ion: 84 Resp: 13621
Ion Ratio Lower Upper
84 100
49 113.2 98.2 147.4
51 46.1 31.3 46.9
86 60.1 51.8 77.6



#25
2-Butanone
Concen: 3.015 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

Tgt Ion: 43 Resp: 12486
Ion Ratio Lower Upper
43 100
72 19.0 19.9 29.9#

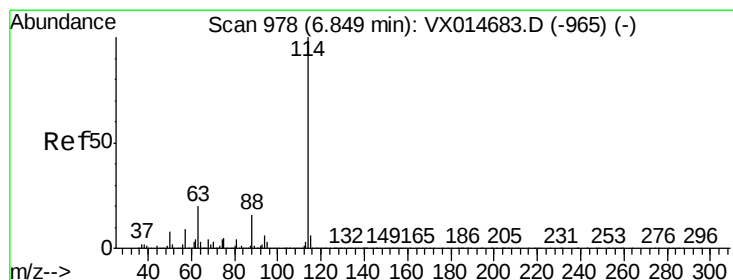
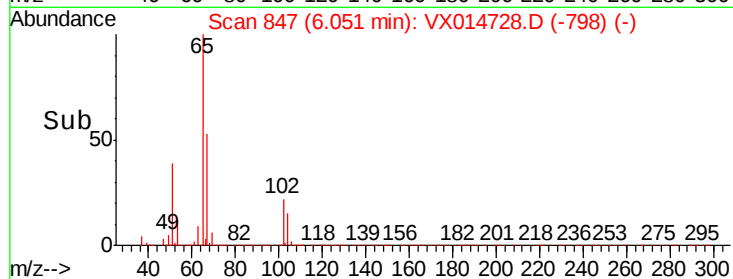
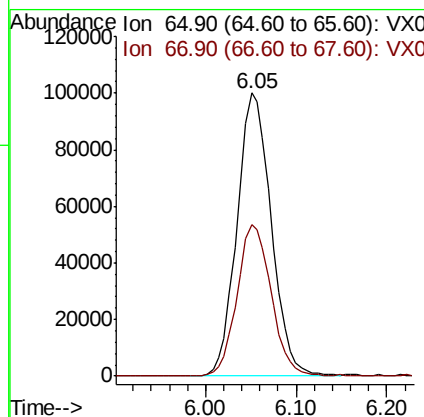
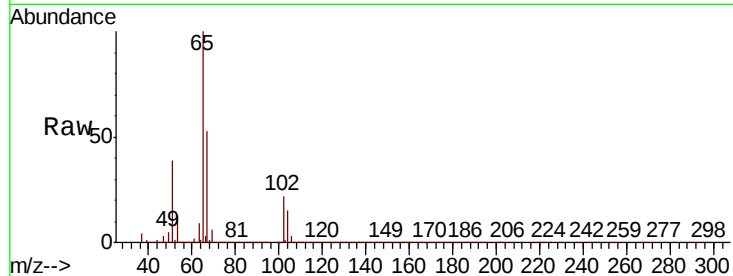




#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

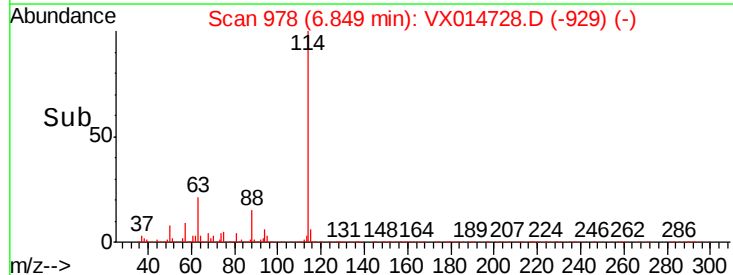
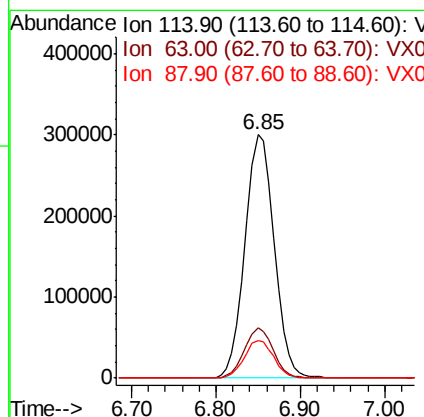
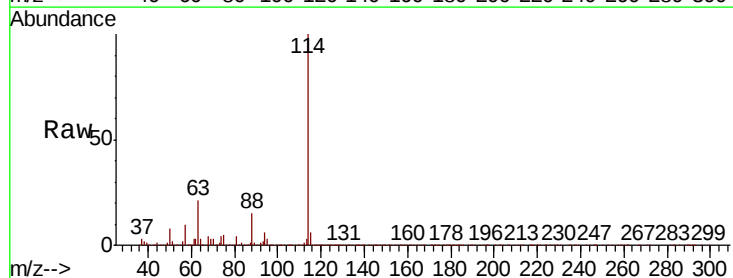
Instrument :
 MSVOA_X
 ClientSampled :

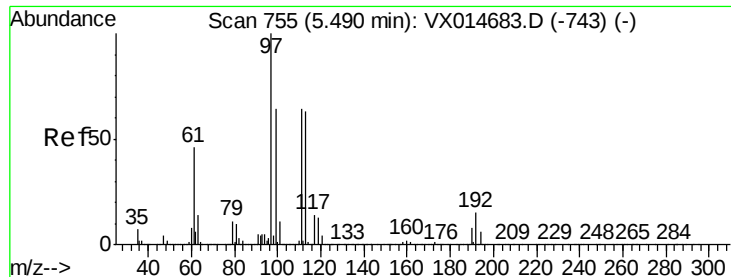
Tot Ion: 65 Resp: 260481
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

Tgt Ion: 114 Resp: 703082
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.6
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 27.838 ug/l

RT: 5.49 min Scan# 755

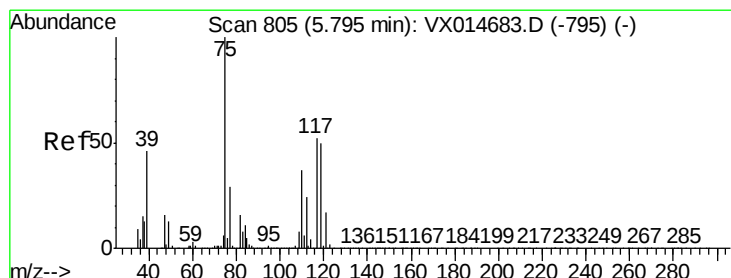
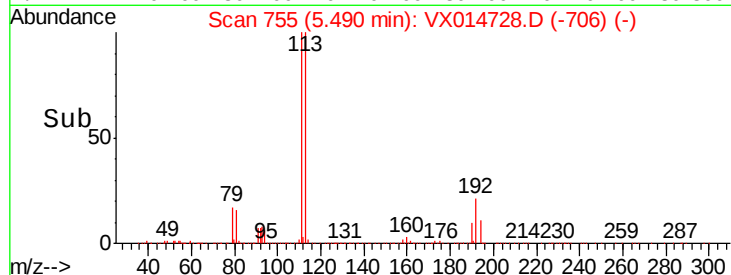
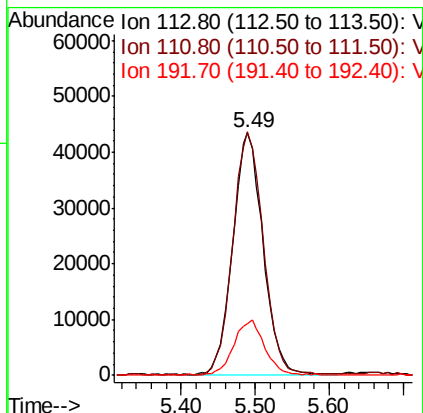
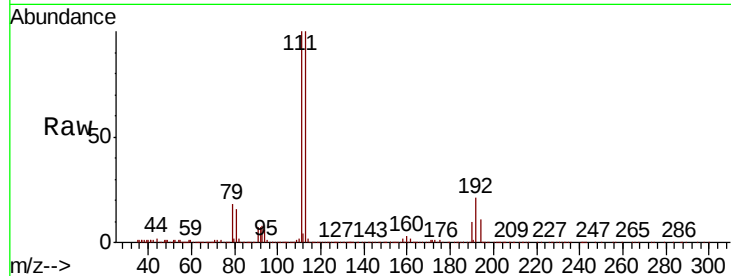
Delta R.T. -0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	123501
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.8	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.688 ug/l

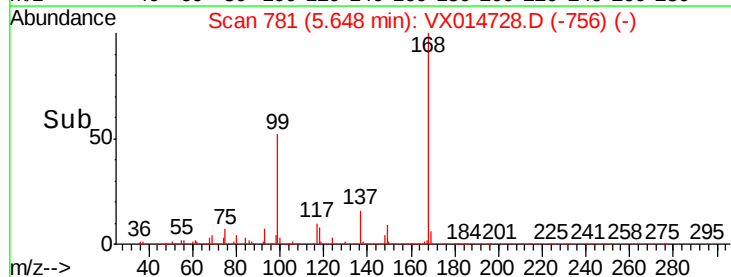
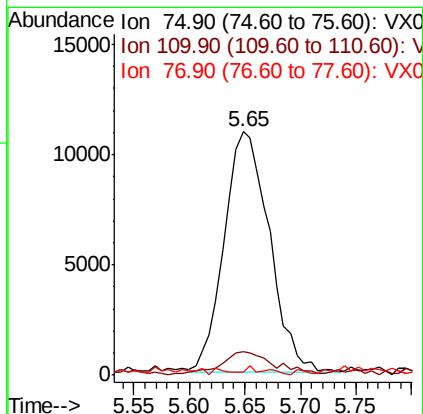
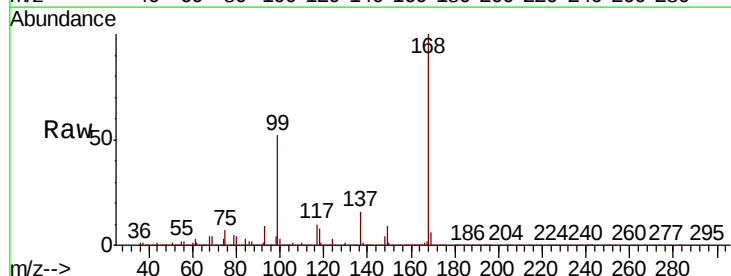
RT: 5.65 min Scan# 781

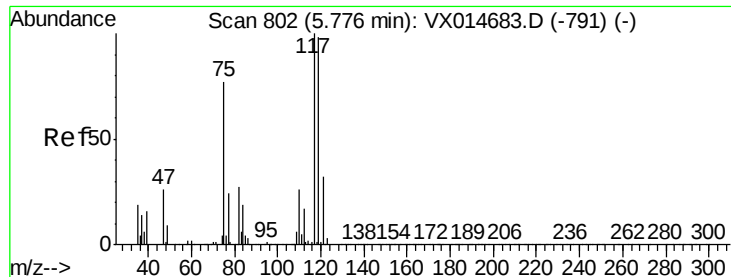
Delta R.T. -0.15 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

Tgt Ion:	75	Resp:	30624
Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.9	53.7#
77	1.7	24.1	36.1#

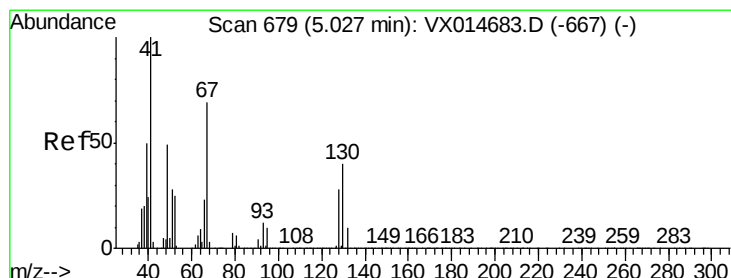
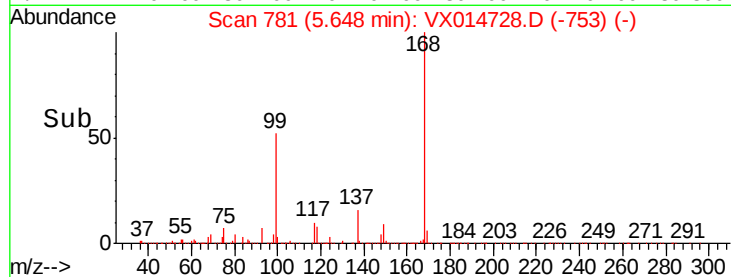
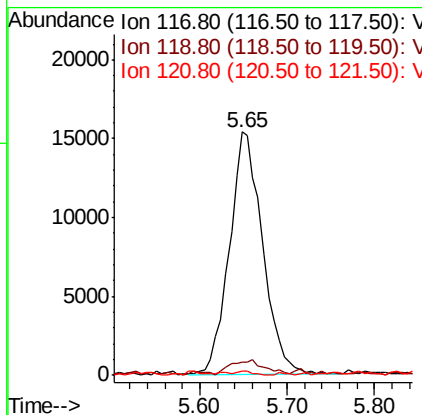
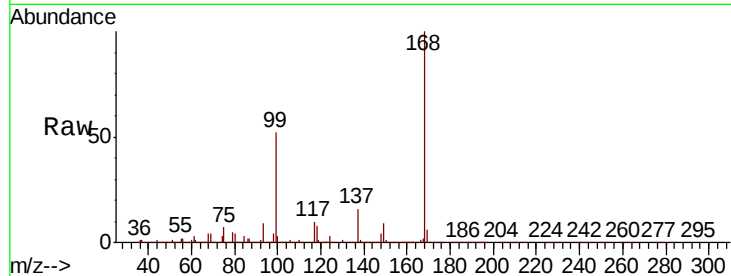




#38
Carbon Tetrachloride
Concen: 6.498 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

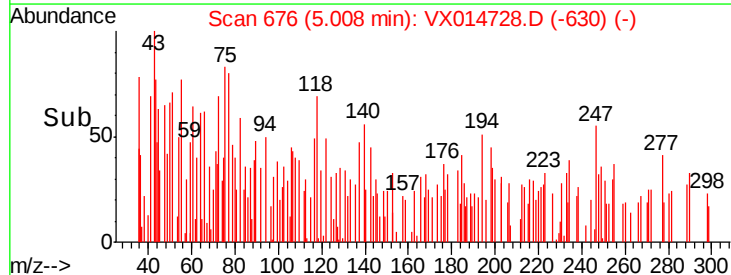
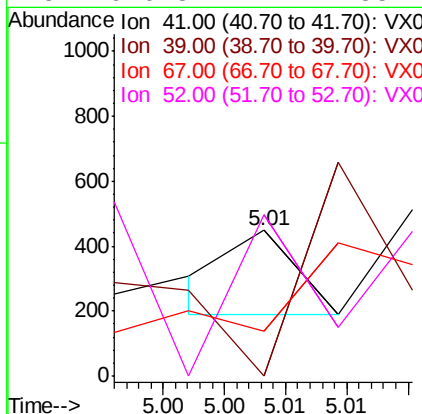
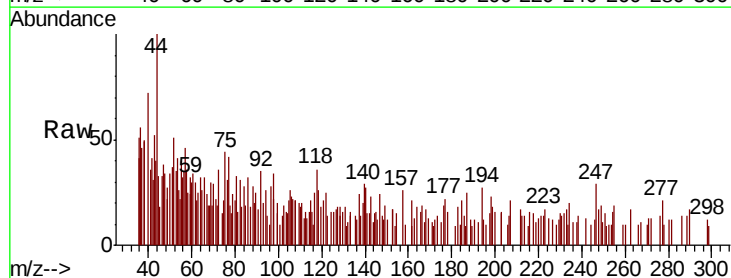
Instrument :
MSVOA_X
ClientSampleId :

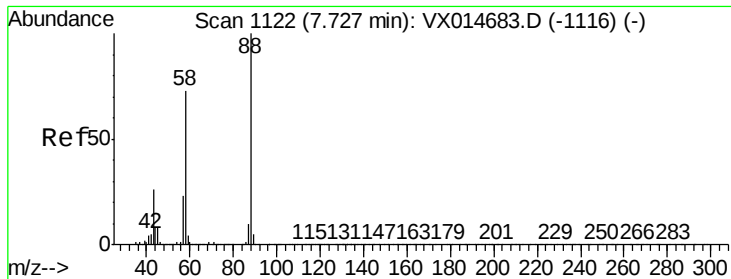
Tot Ion:117 Resp: 40542
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.1 25.4 38.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.01 min Scan# 676
Delta R.T. -0.02 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

Tgt Ion: 41 Resp: 94
Ion Ratio Lower Upper
41 100
39 423.4 42.2 63.2#
67 261.7 55.4 83.0#
52 646.8 22.1 33.1#

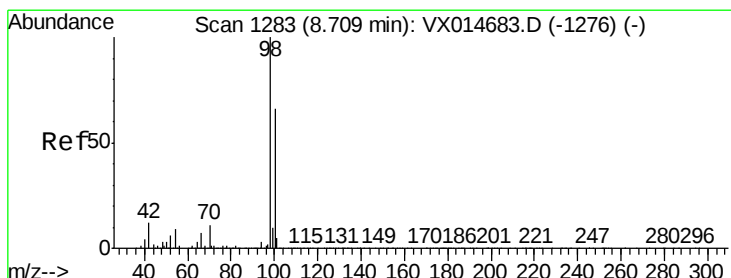
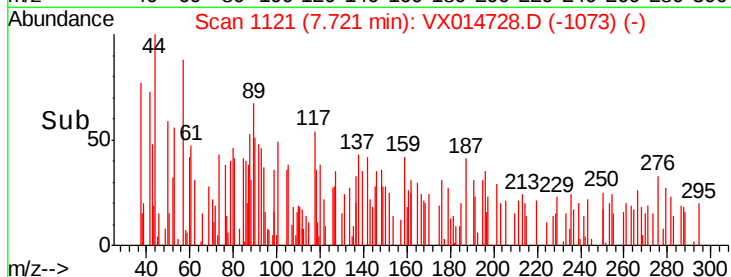
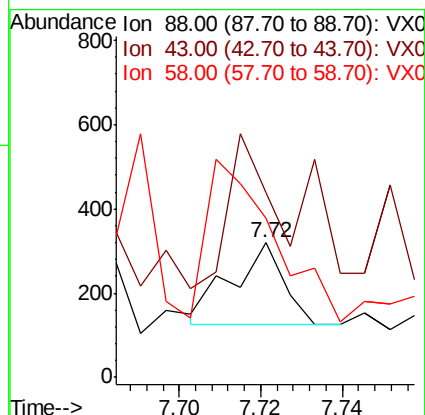
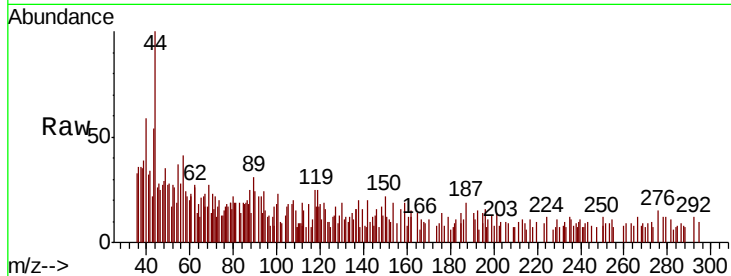




#49
1,4-Dioxane
Concen: 1.354 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

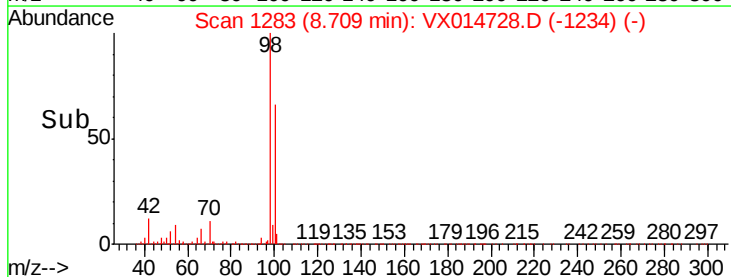
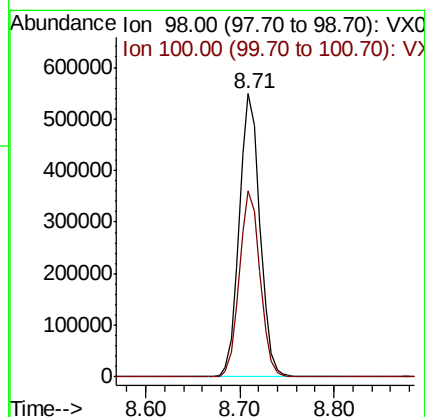
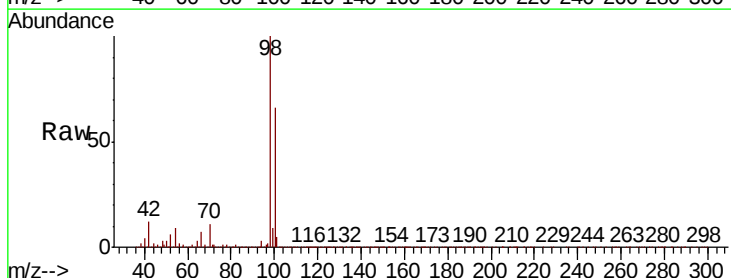
Instrument :
MSVOA_X
ClientSampleId :

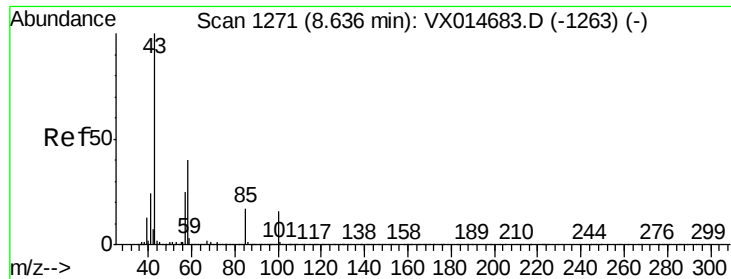
Tot Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 335.1 26.2 39.2#
58 369.6 56.6 85.0#



#50
Toluene-d8
Concen: 49.059 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

Tgt Ion: 98 Resp: 836725
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

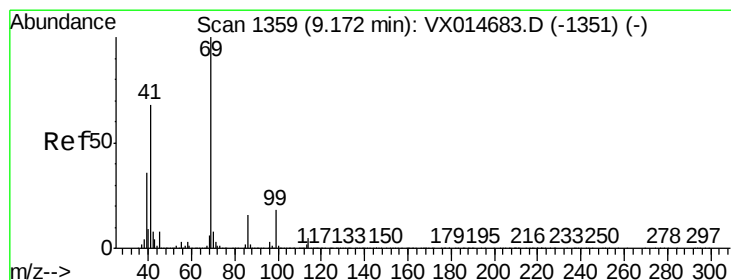
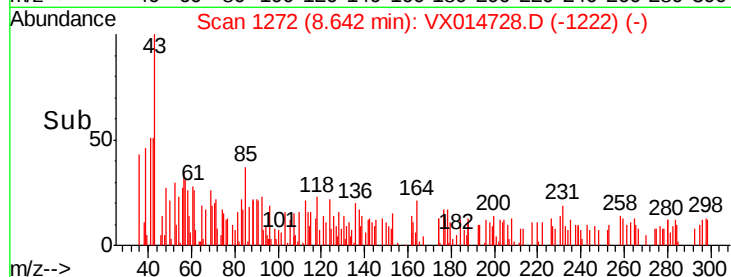
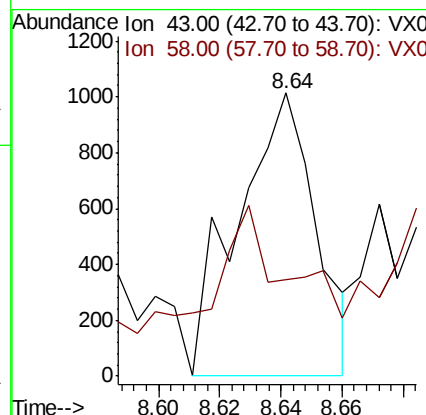
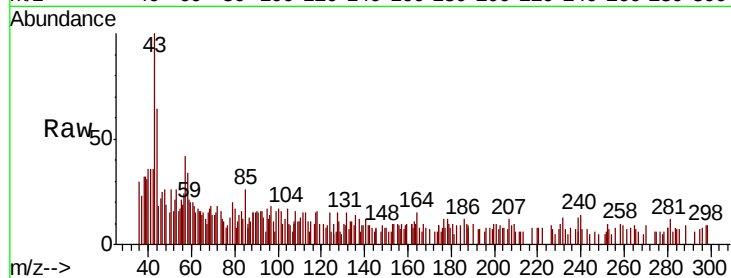




#51
4-Methyl-2-Pentanone
Concen: 0.233 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

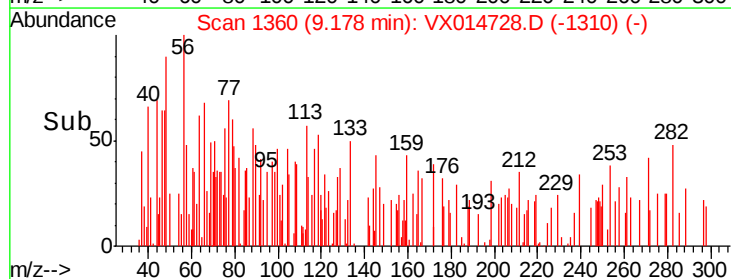
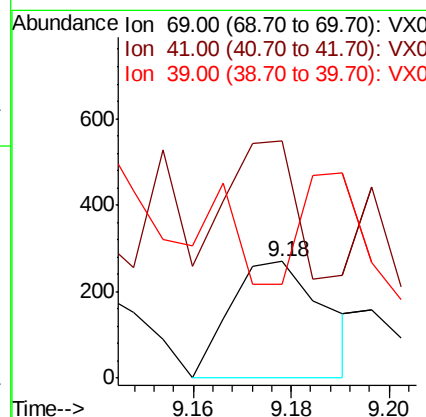
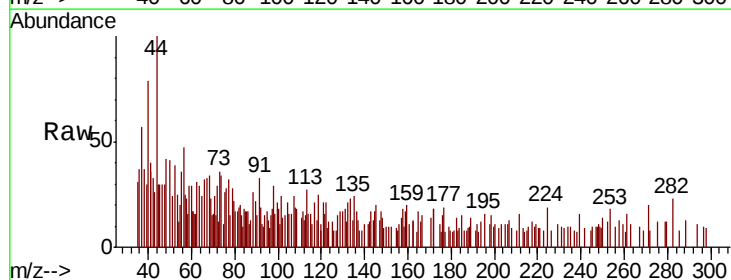
Instrument :
MSVOA_X
ClientSampled :

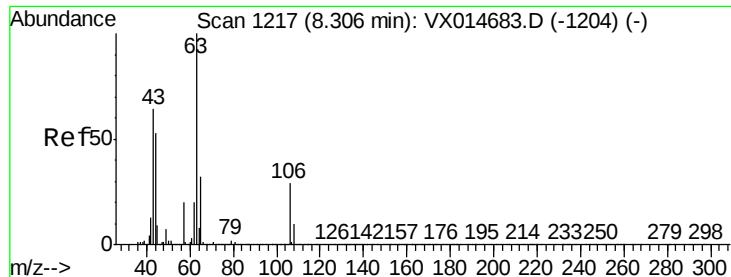
Tot Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
58 40.0 31.6 47.4



#56
Ethyl methacrylate
Concen: 1.825 ug/l
RT: 9.18 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

Tgt Ion: 69 Resp: 363
Ion Ratio Lower Upper
69 100
41 78.5 54.9 82.3
39 0.0 29.3 43.9#

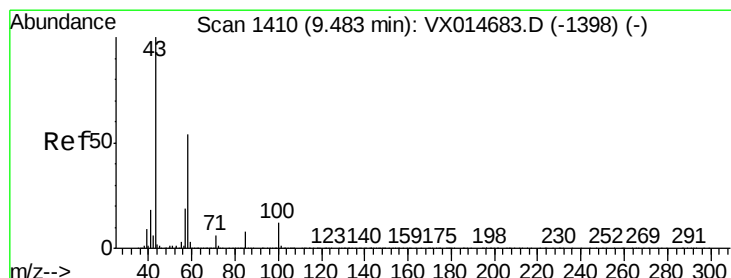
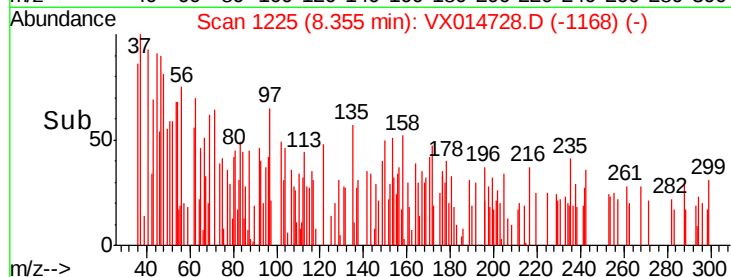
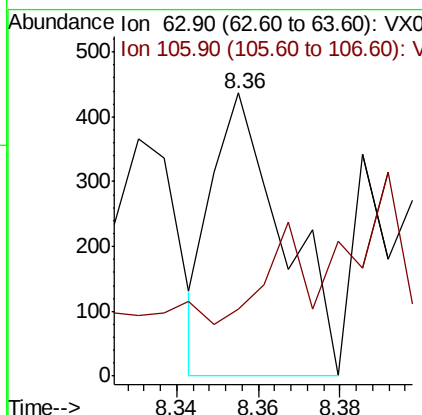
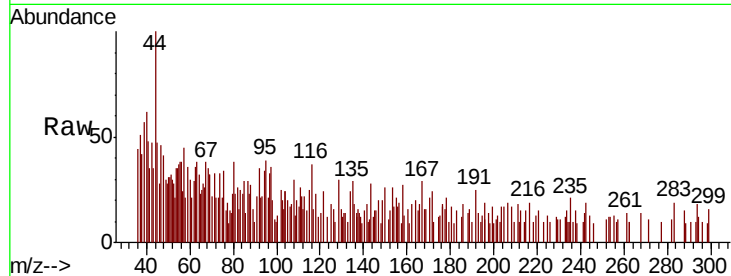




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.205 ug/l
 RT: 8.36 min Scan# 1225
 Delta R.T. 0.05 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

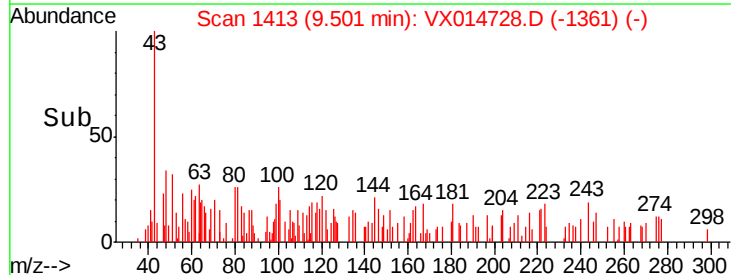
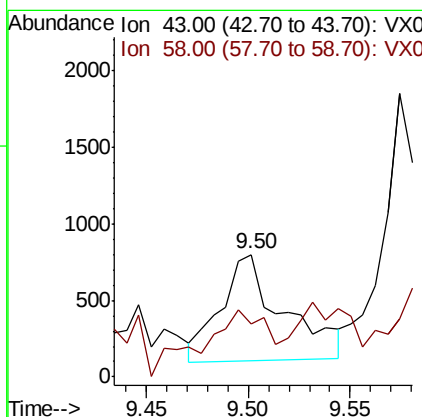
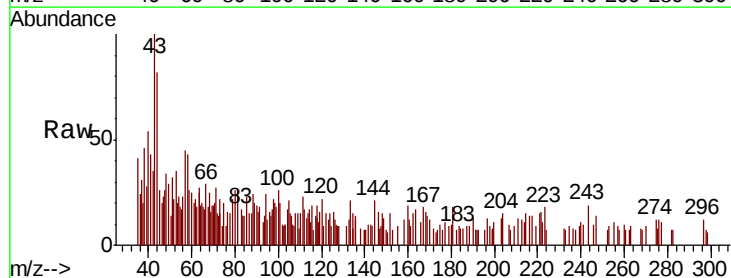
Instrument :
 MSVOA_X
 ClientSampleId :

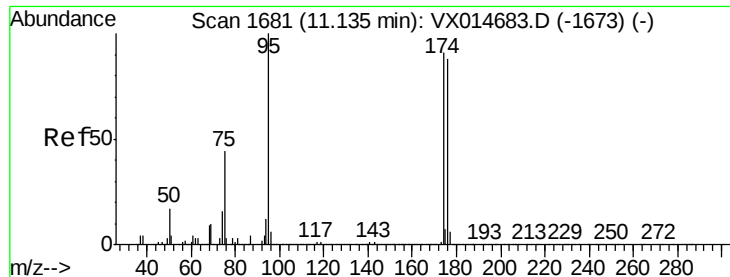
Tot Ion: 63 Resp: 525
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.7 34.1



#59
 2-Hexanone
 Concen: 0.245 ug/l
 RT: 9.50 min Scan# 1413
 Delta R.T. 0.02 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

Tgt Ion: 43 Resp: 1473
 Ion Ratio Lower Upper
 43 100
 58 34.2 27.2 81.5





#62

4-Bromofluorobenzene

Concen: 46.383 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

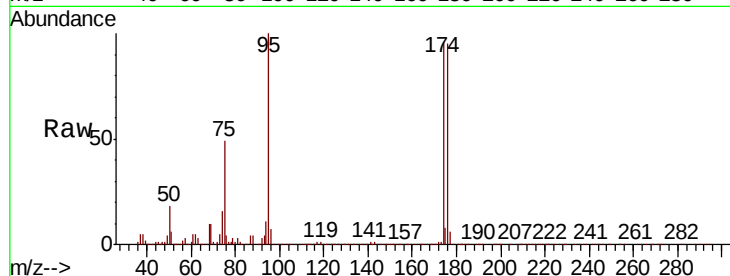
Tot Ion: 95 Resp: 281797

Ion Ratio Lower Upper

95 100

174 90.5 0.0 176.0

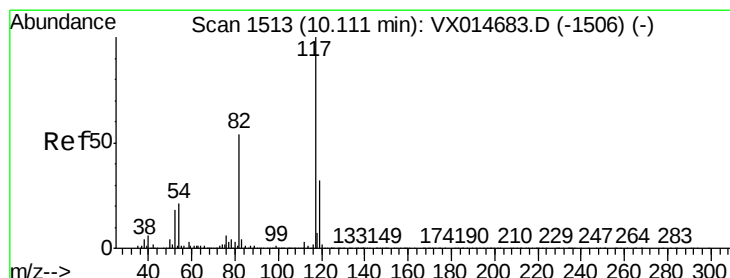
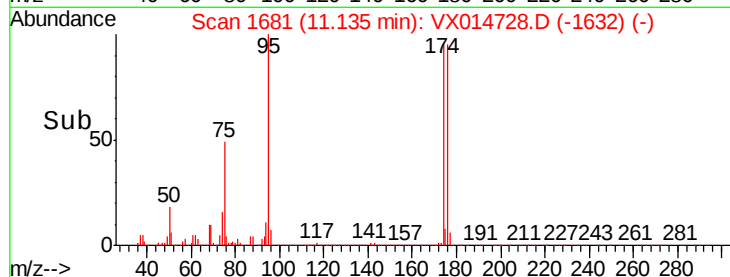
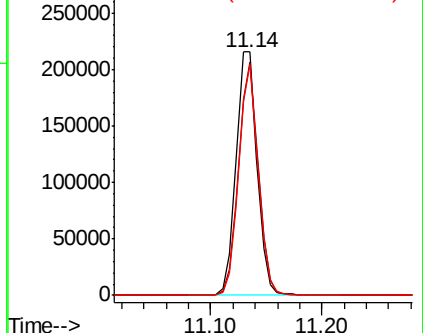
176 87.9 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

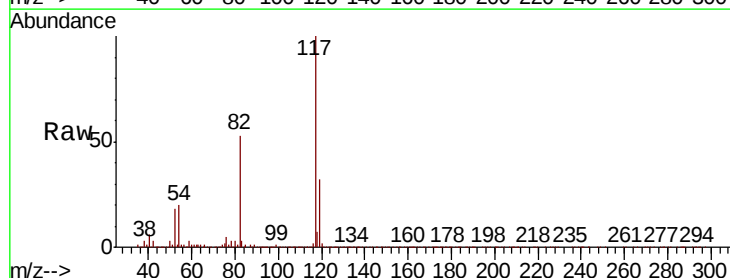
Tgt Ion: 117 Resp: 641450

Ion Ratio Lower Upper

117 100

82 52.8 43.2 64.8

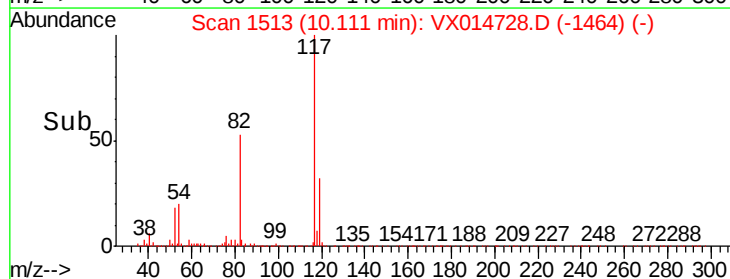
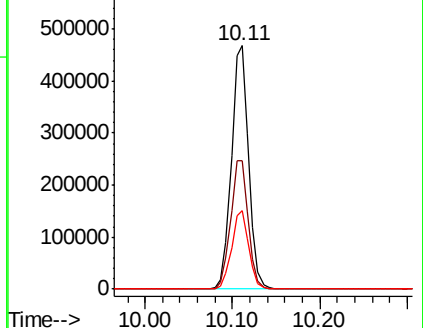
119 32.4 25.8 38.6

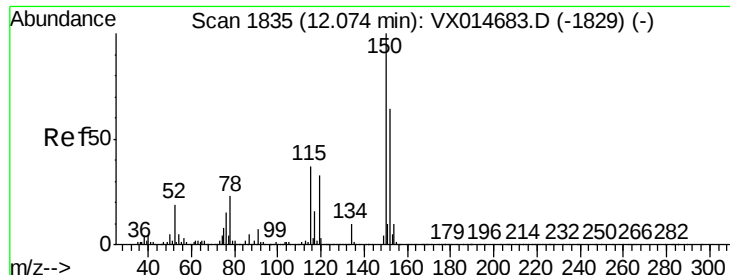


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)

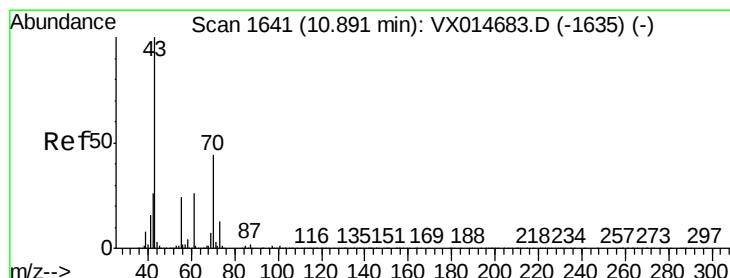
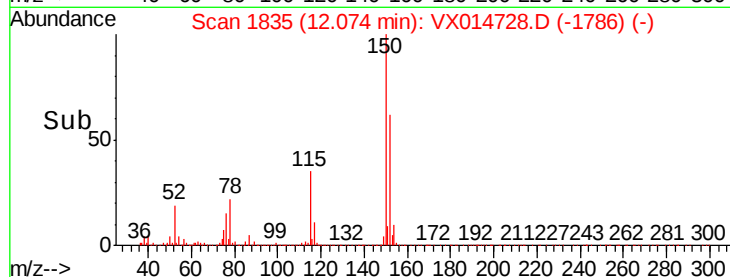
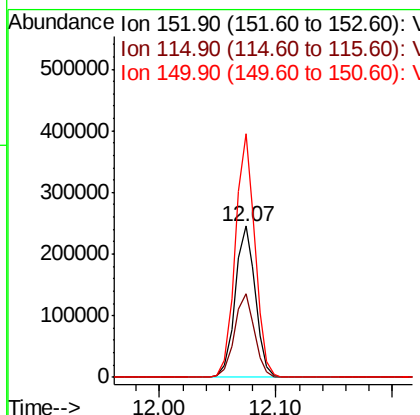
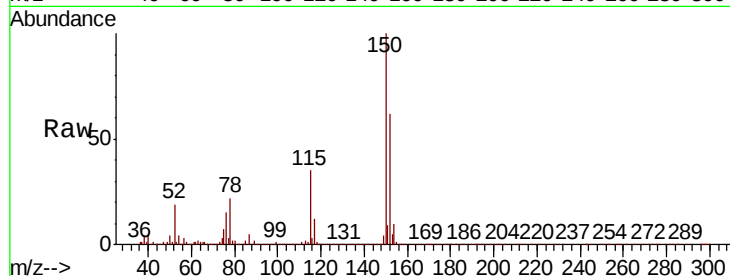




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

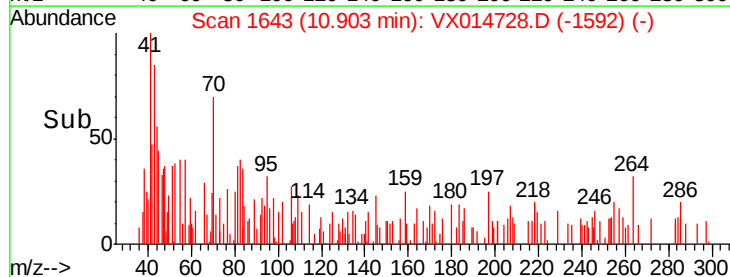
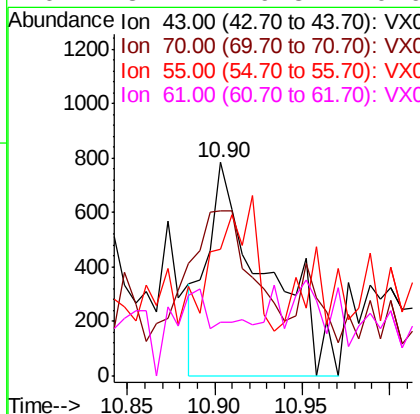
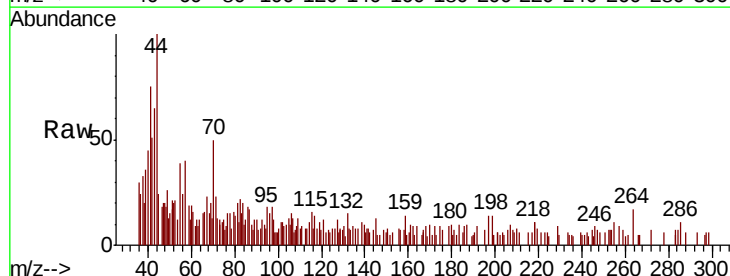
Instrument :
 MSVOA_X
 ClientSampled :

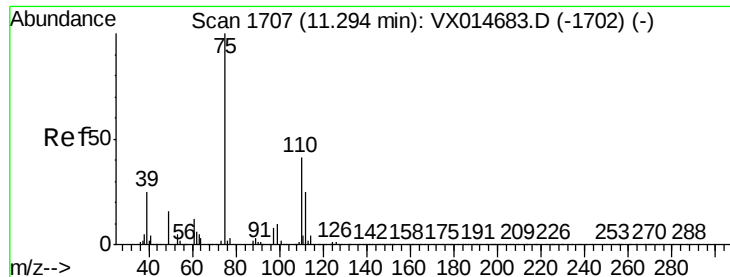
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.4	118.1
150	156.7	0.0	351.2



#74
 N-ethyl acetate
 Concen: 0.202 ug/l
 RT: 10.90 min Scan# 1643
 Delta R.T. 0.01 min
 Lab File: VX014728.D
 Acq: 27 Jan 2020 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	65.2	34.6	52.0#
55	0.0	19.4	29.2#
61	32.1	19.8	29.6#





#76

1,2,3-Trichloropropane

Concen: 20.644 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

Instrument :

MSVOA_X

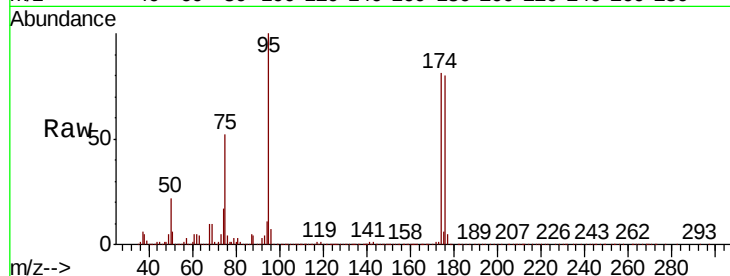
ClientSampleId :

Tot Ion: 75 Resp: 141991

Ion Ratio Lower Upper

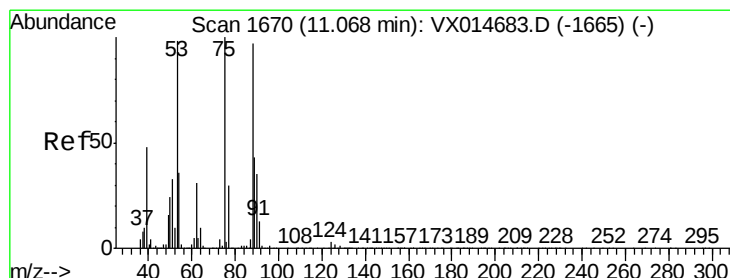
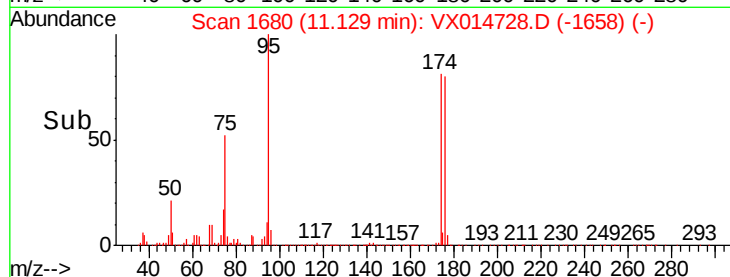
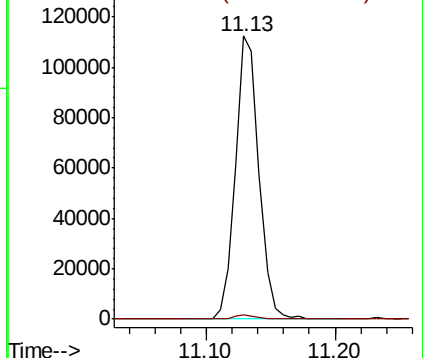
75 100

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: 58.750 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014728.D

Acq: 27 Jan 2020 15:54

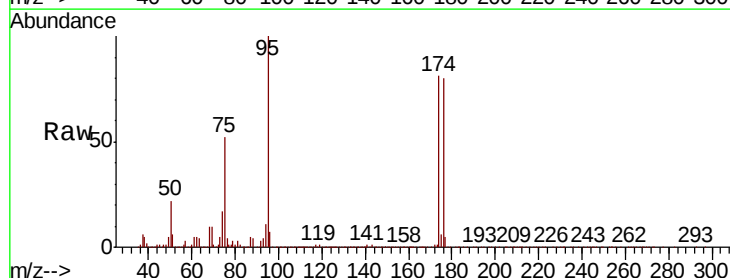
Tgt Ion: 75 Resp: 141991

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

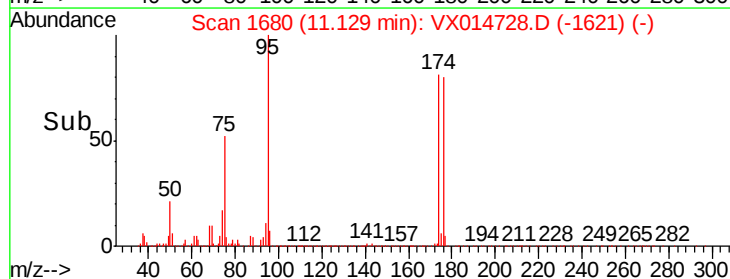
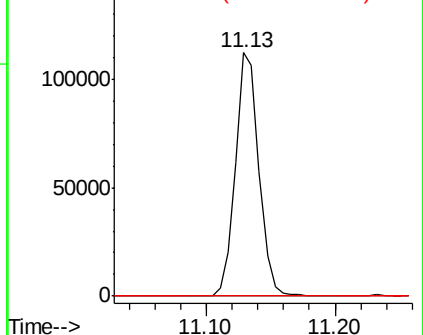
89 0.0 35.4 53.0#

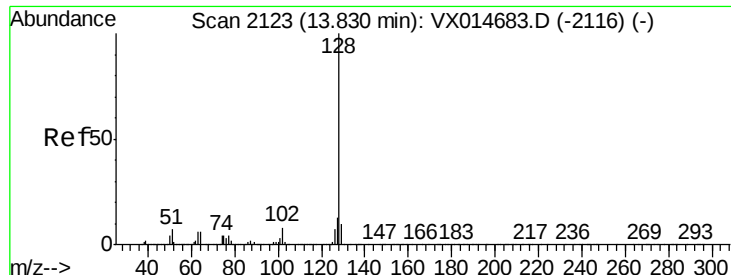


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

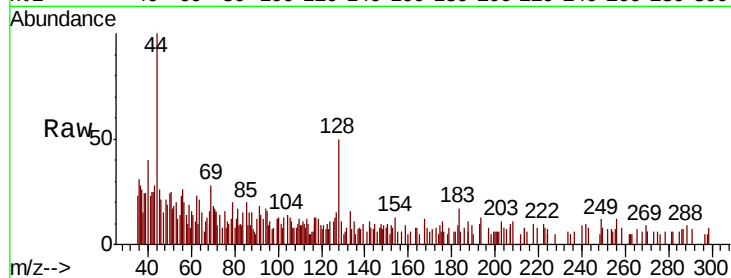




#95
Naphthalene
Concen: 0.967 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX014728.D
Acq: 27 Jan 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	42.9	10.3	15.5#
129	21.2	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

