

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031620\
 Data File : VX015283.D
 Acq On : 16 Mar 2020 10:46
 Operator : JC/SP
 Sample : VX0316WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

Quant Time: Mar 17 07:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	305628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	512334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	497124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	234705	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	177202	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	5.48	113	150323	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	633133	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.13	95	225022	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

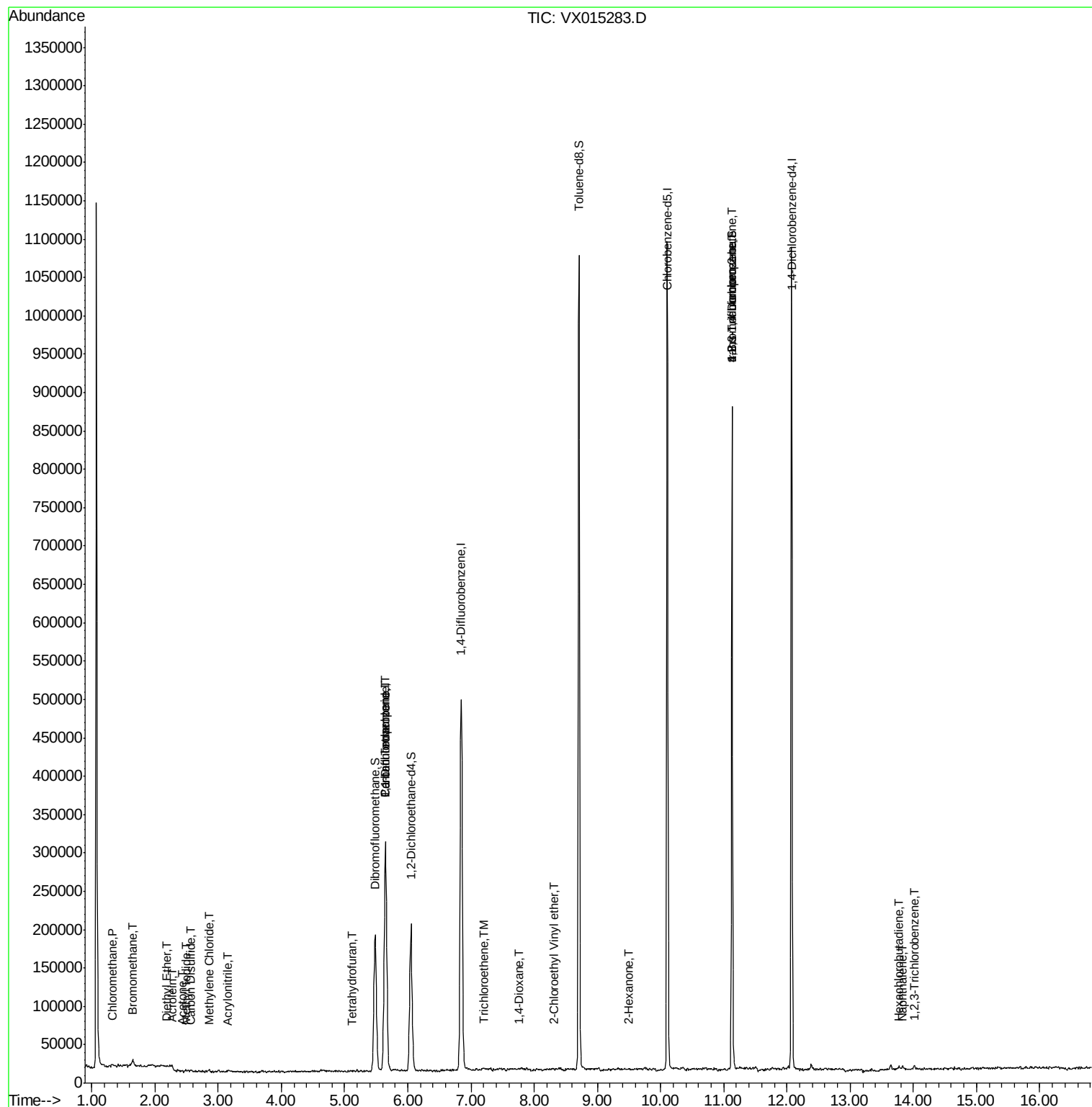
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	991	0.261	ug/l #	61
5) Bromomethane	1.64	94	1795	0.760	ug/l #	69
8) Diethyl Ether	2.19	74	477	0.230	ug/l	92
10) Methyl Iodide	2.50	142	2302	0.708	ug/l #	79
13) Acrolein	2.28	56	371	0.628	ug/l #	15
15) Acrylonitrile	3.14	53	690	0.440	ug/l #	30
16) Acetone	2.43	43	1056	0.719	ug/l #	56
17) Carbon Disulfide	2.57	76	2490	0.302	ug/l #	92
20) Methylene Chloride	2.85	84	988	0.288	ug/l #	78
29) Tetrahydrofuran	5.12	42	781	0.564	ug/l #	68
36) 1,1-Dichloropropene	5.64	75	20672	4.365	ug/l #	51
38) Carbon Tetrachloride	5.65	117	27249	6.095	ug/l #	17
44) Trichloroethene	7.21	130	967	0.247	ug/l	42
49) 1,4-Dioxane	7.76	88	512	6.020	ug/l #	32
58) 2-Chloroethyl Vinyl ether	8.31	63	581	0.211	ug/l #	68
59) 2-Hexanone	9.48	43	695	0.205	ug/l	76
76) 1,2,3-Trichloropropane	11.13	75	106944	22.843	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	106944	64.829	ug/l #	11
94) Hexachlorobutadiene	13.78	225	748	0.288	ug/l	92
95) Naphthalene	13.83	128	3878	1.662	ug/l #	60
96) 1,2,3-Trichlorobenzene	14.01	180	2053	0.406	ug/l	89

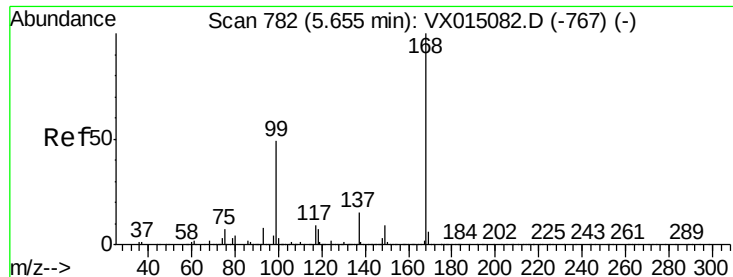
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Mar 17 07:38:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 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: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

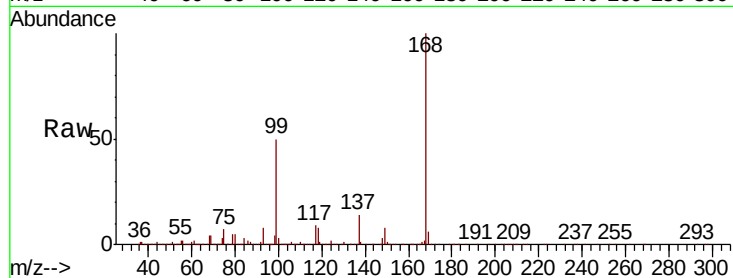
VX0316WBL01

Tot Ion:168 Resp: 305628

Ion Ratio Lower Upper

168 100

99 49.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

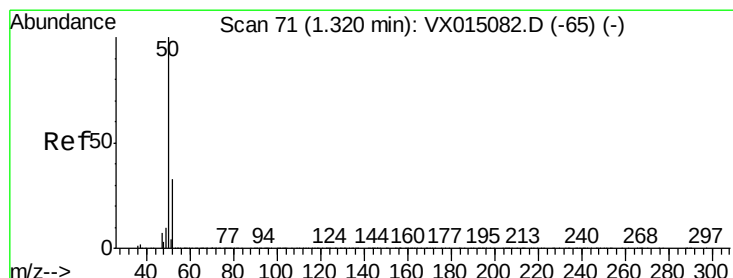
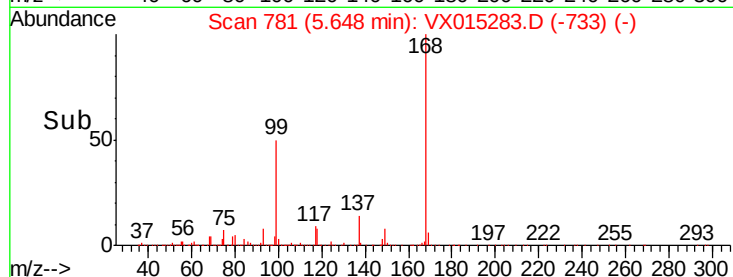
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015283.D

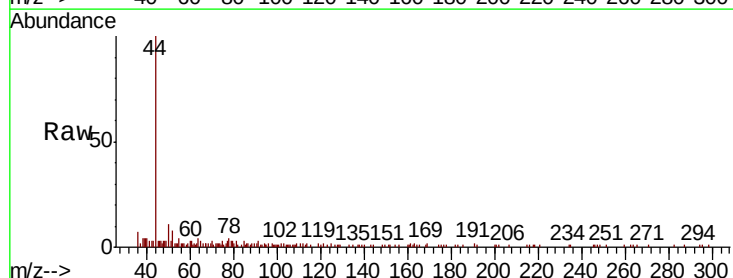
Acq: 16 Mar 2020 10:46

Tgt Ion: 50 Resp: 991

Ion Ratio Lower Upper

50 100

52 54.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

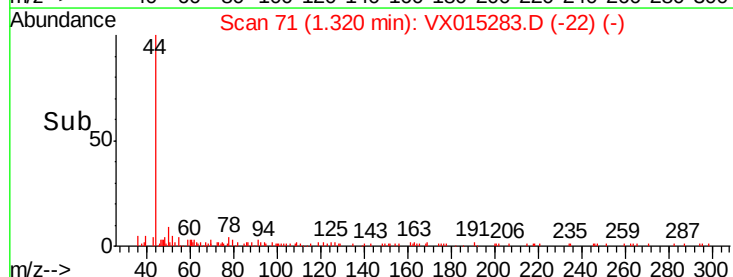
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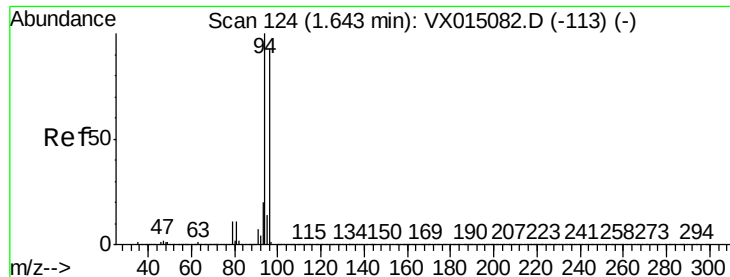
400

200

0

Time-->





#5

Bromomethane

Concen: 0.760 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.00 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

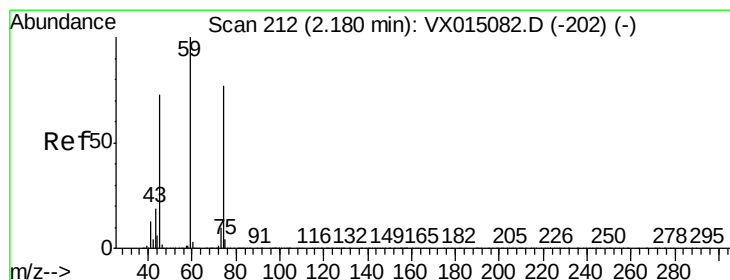
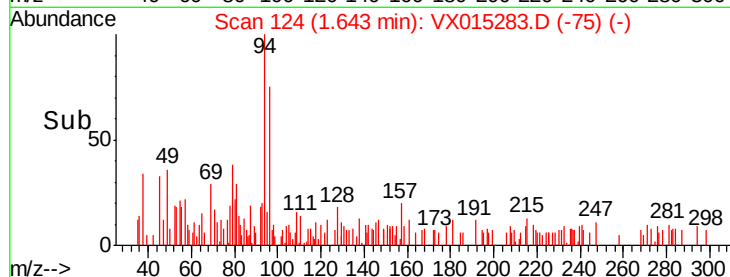
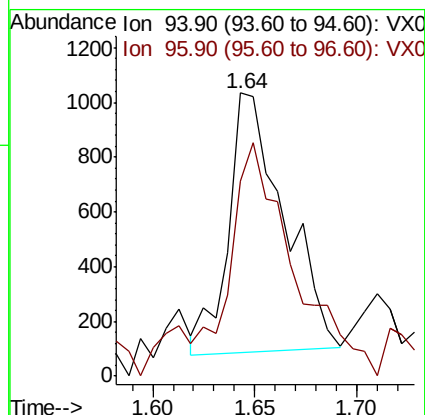
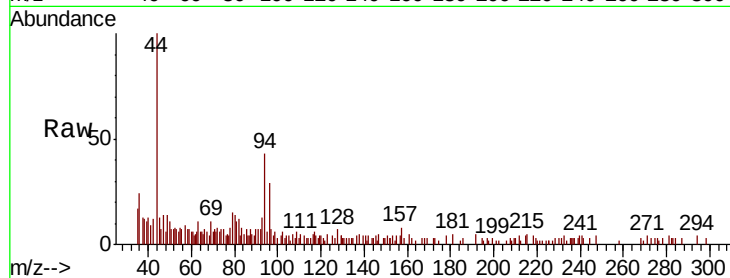
VX0316WBL01

Tot Ion: 94 Resp: 1795

Ion Ratio Lower Upper

94 100

96 63.7 74.6 111.8#



#8

Diethyl Ether

Concen: 0.230 ug/l

RT: 2.19 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX015283.D

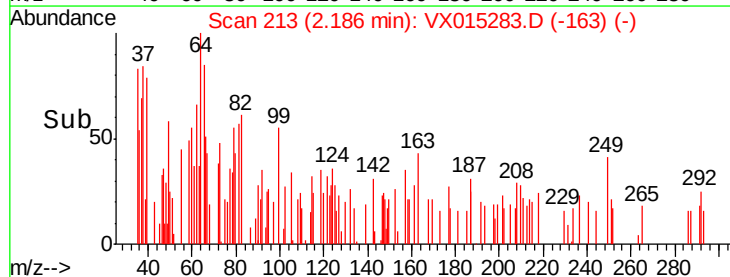
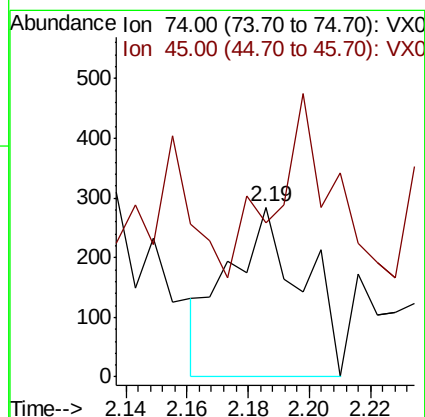
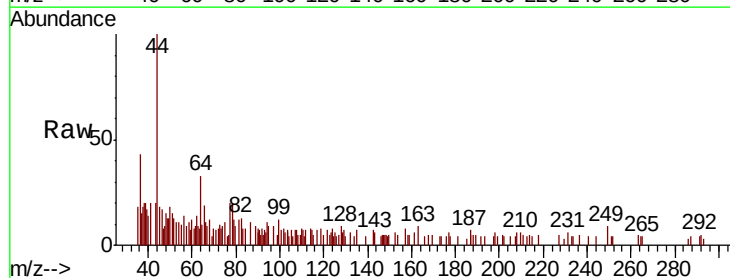
Acq: 16 Mar 2020 10:46

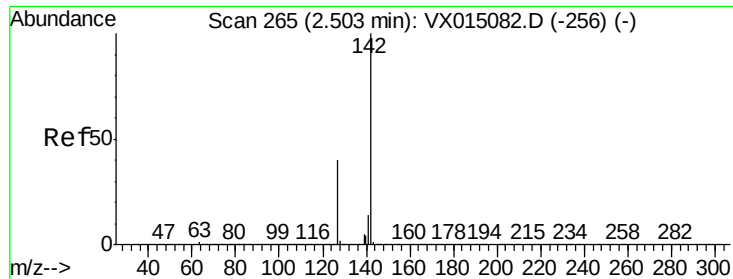
Tgt Ion: 74 Resp: 477

Ion Ratio Lower Upper

74 100

45 90.8 49.2 147.6

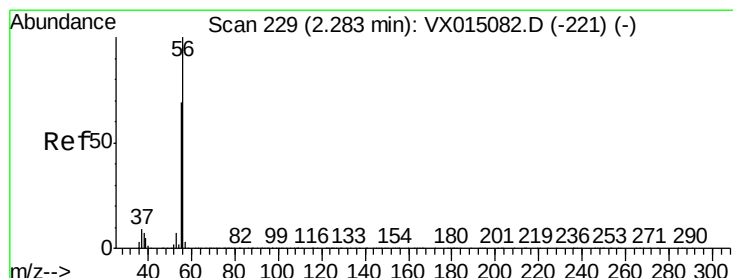
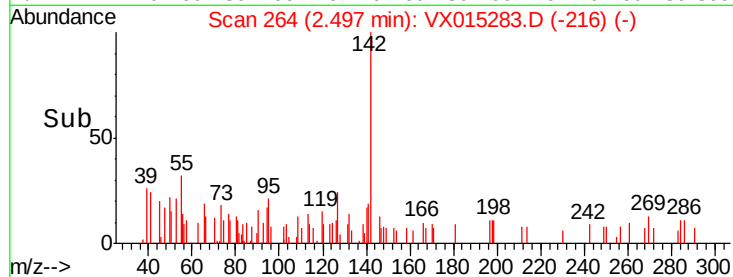
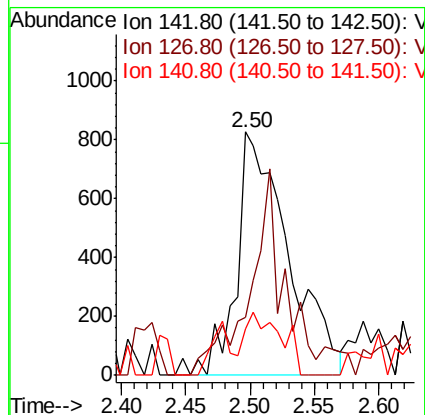
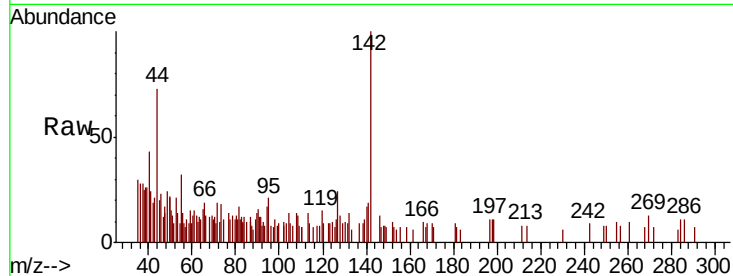




#10
Methvl Iodide
Concen: 0.708 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

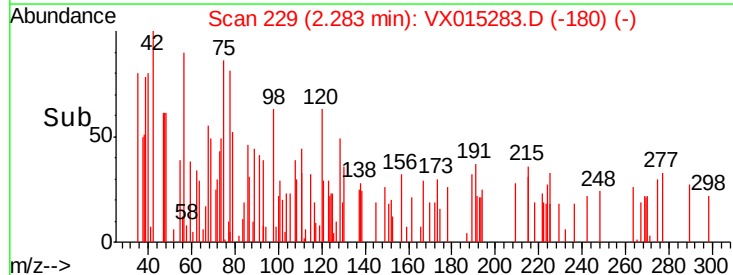
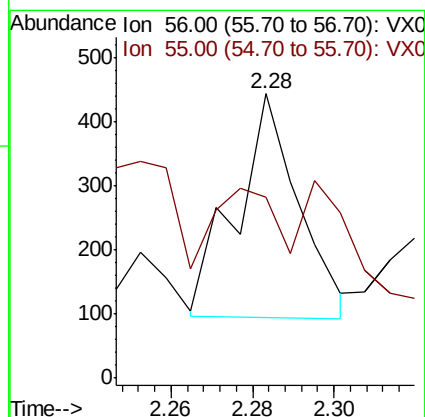
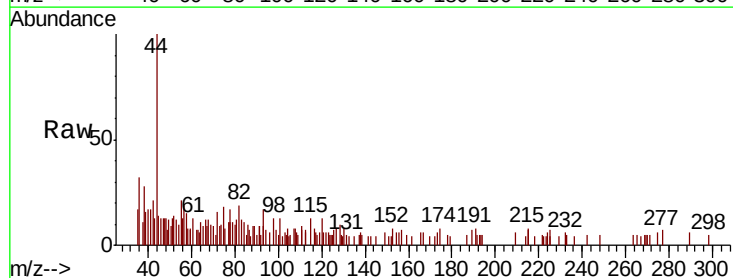
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

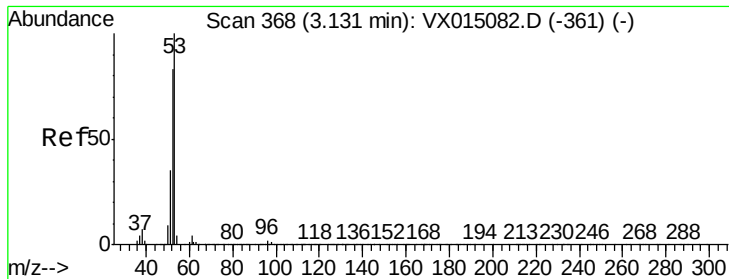
Tot Ion:142 Resp: 2302
Ion Ratio Lower Upper
142 100
127 55.2 31.7 47.5#
141 17.7 11.3 16.9#



#13
Acrolein
Concen: 0.628 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#15

Acrylonitrile

Concen: 0.440 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0316WBL01

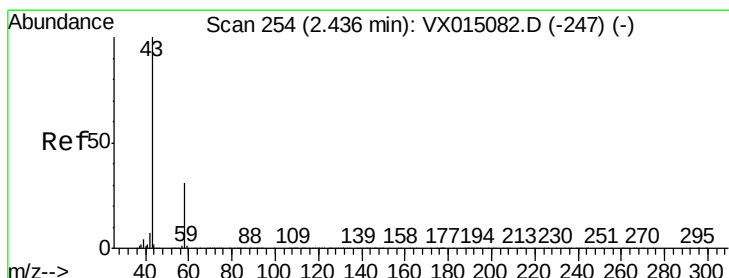
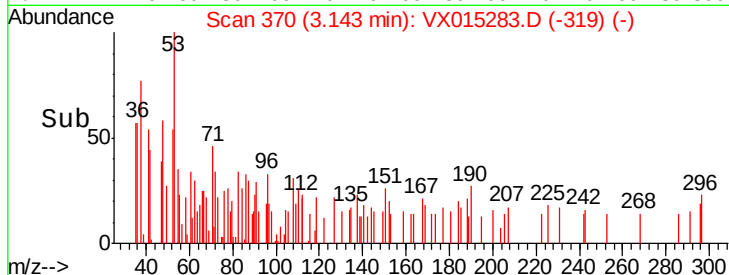
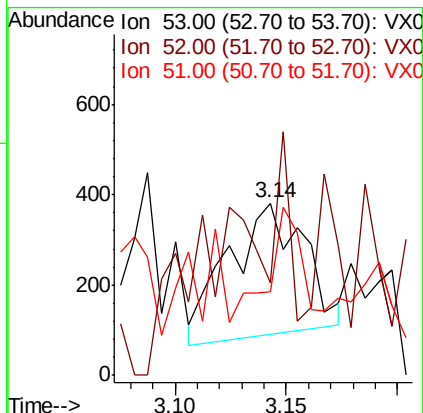
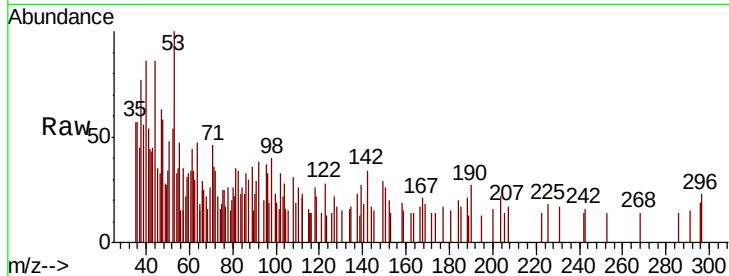
Tot Ion: 53 Resp: 690

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 25.1 29.0 43.6#



#16

Acetone

Concen: 0.719 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015283.D

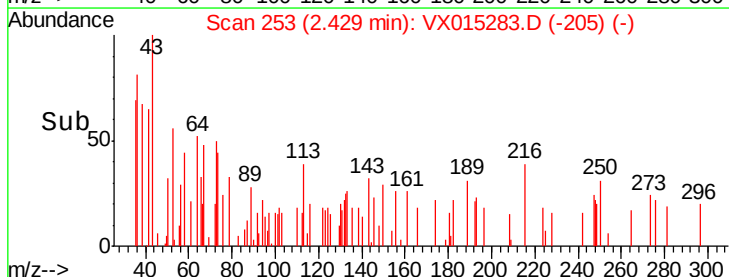
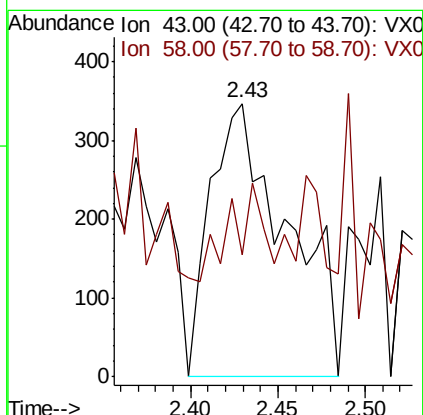
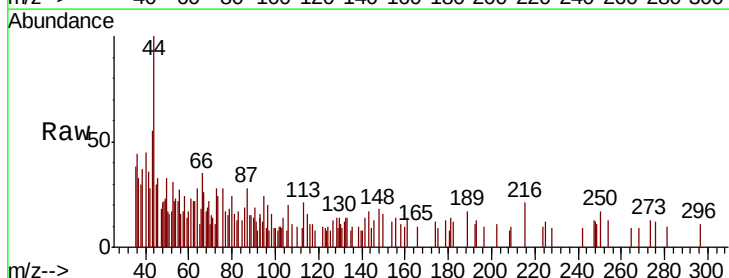
Acq: 16 Mar 2020 10:46

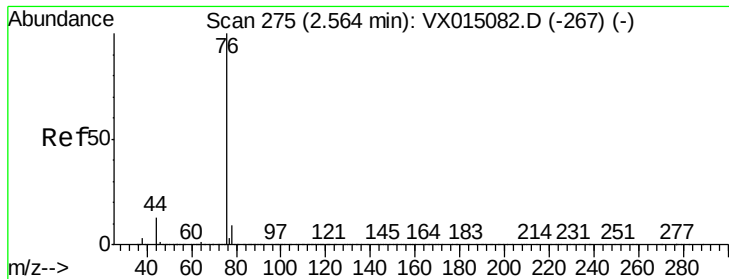
Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

58 6.9 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.302 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

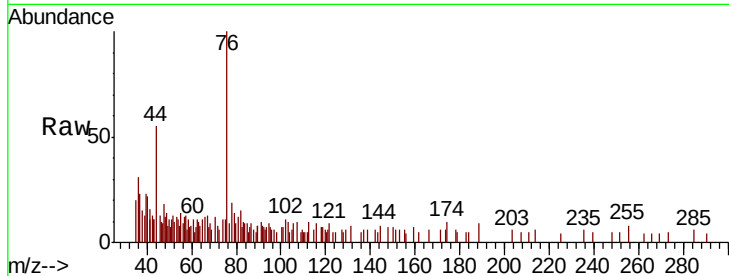
VX0316WBL01

Tot Ion: 76 Resp: 2490

Ion Ratio Lower Upper

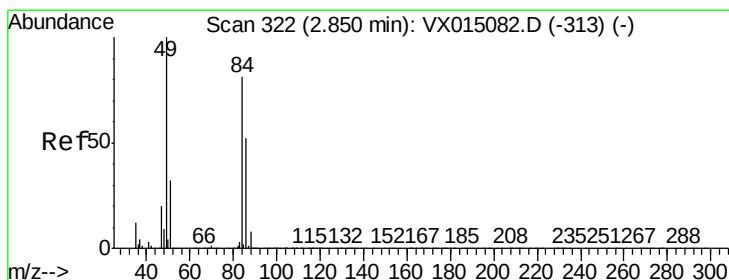
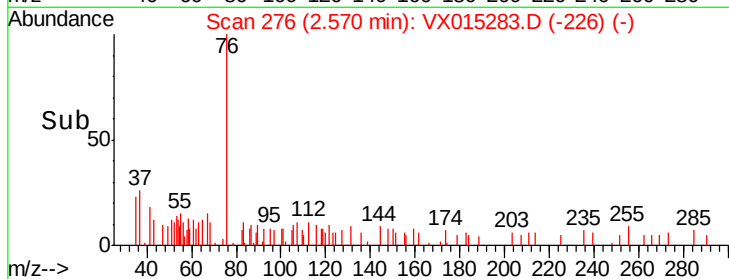
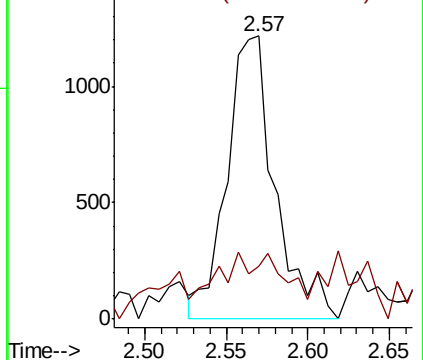
76 100

78 11.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.288 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Tgt Ion: 84 Resp: 988

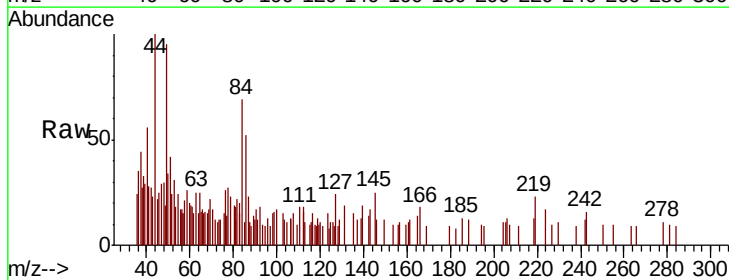
Ion Ratio Lower Upper

84 100

49 133.4 99.4 149.2

51 10.6 31.5 47.3#

86 91.4 51.6 77.4#

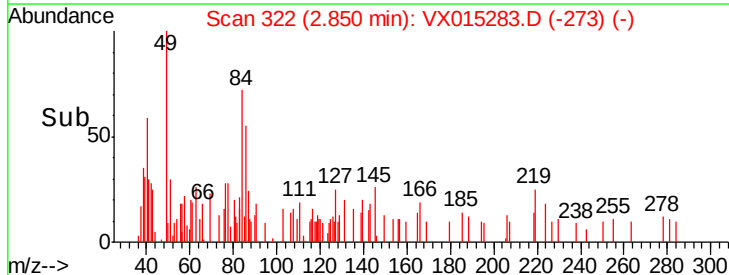
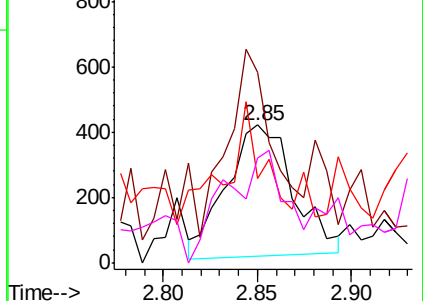


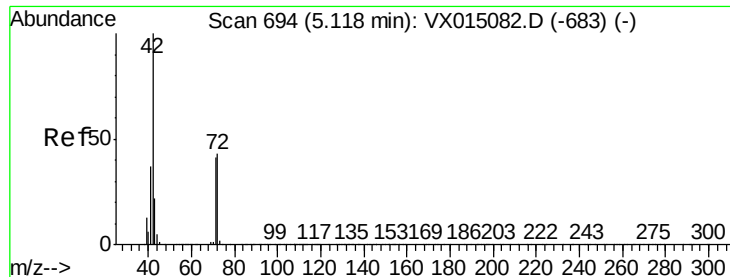
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.564 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampled :

VX0316WBL01

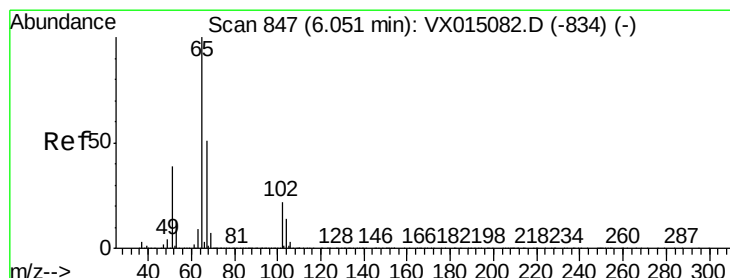
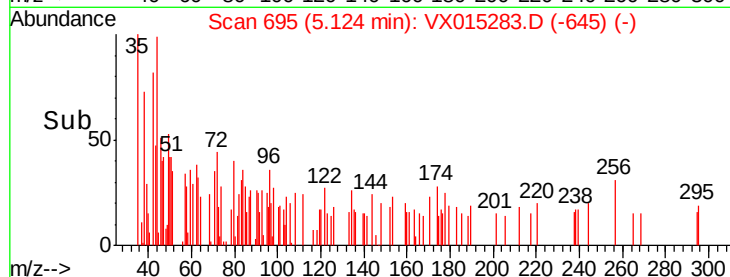
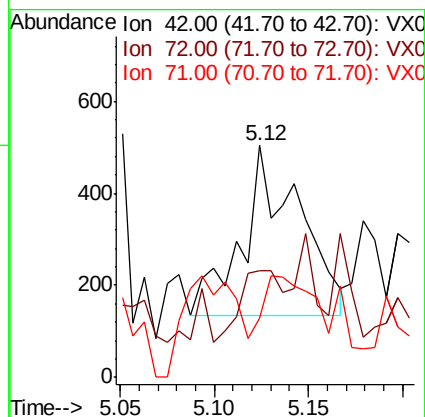
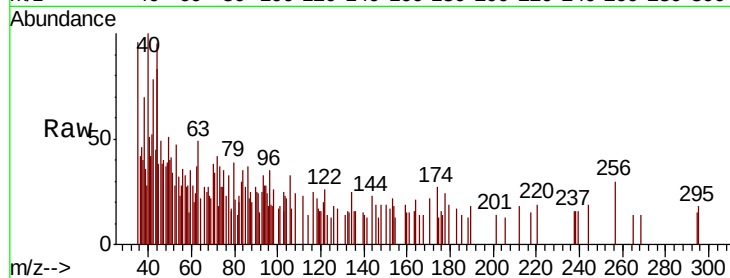
Tot Ion: 42 Resp: 781

Ion Ratio Lower Upper

42 100

72 34.2 36.4 54.6#

71 72.5 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 48.871 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015283.D

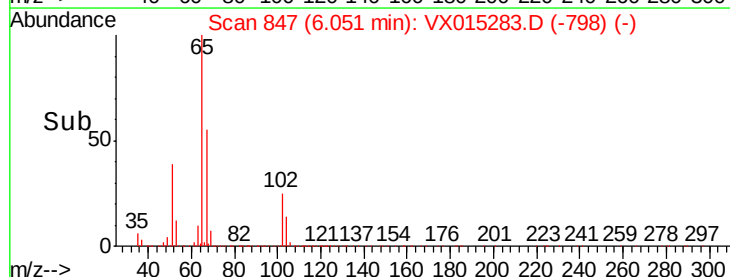
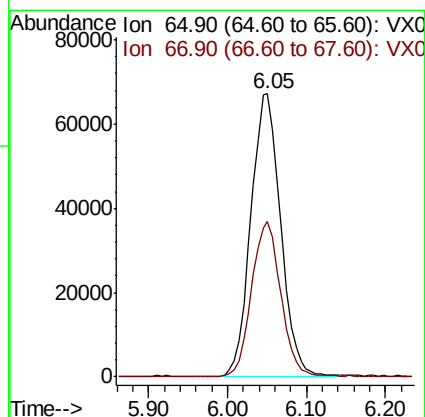
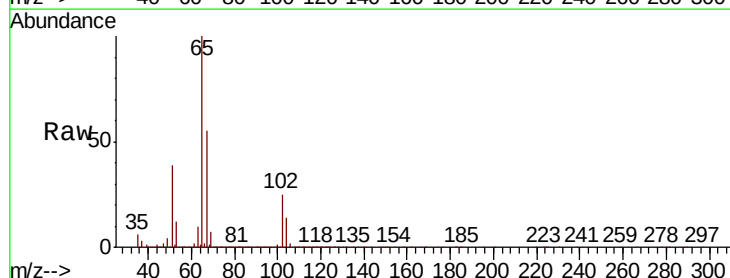
Acq: 16 Mar 2020 10:46

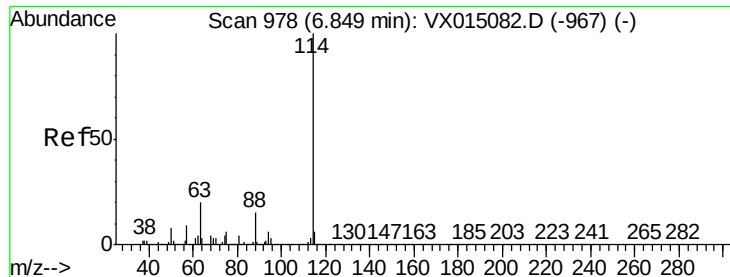
Tgt Ion: 65 Resp: 177202

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.6

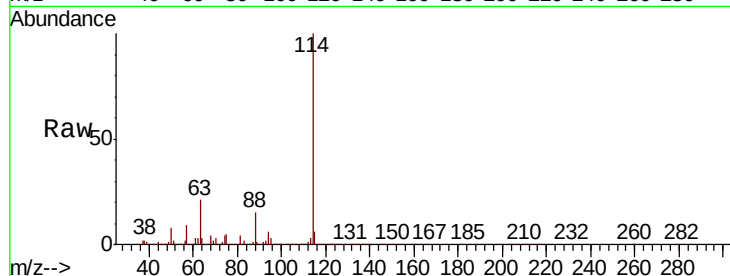




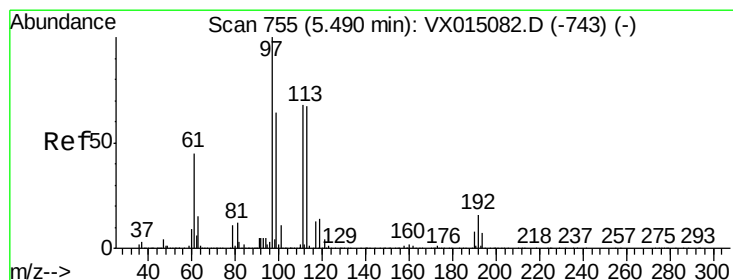
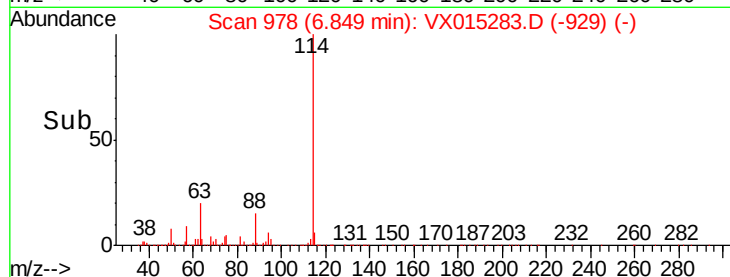
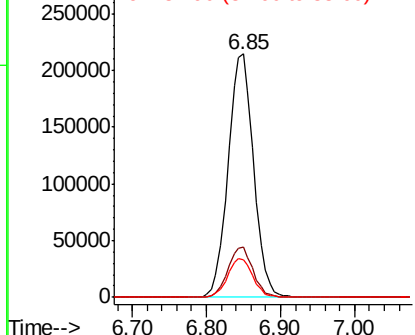
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	15.3	0.0	30.6

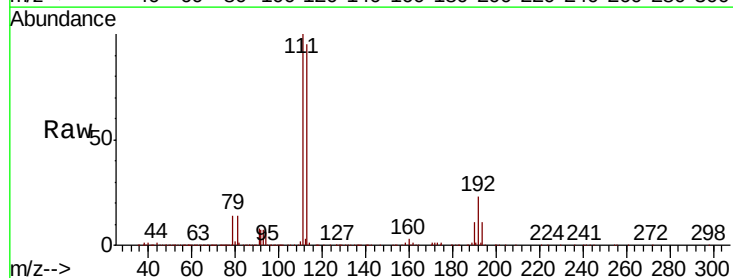


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

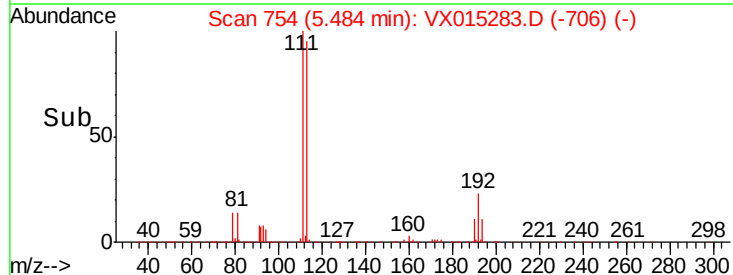
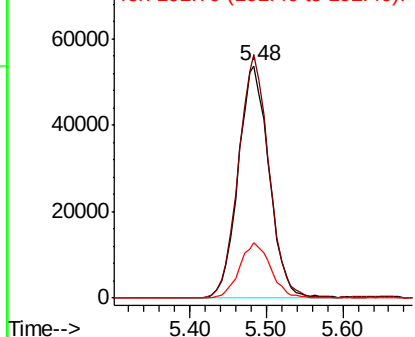


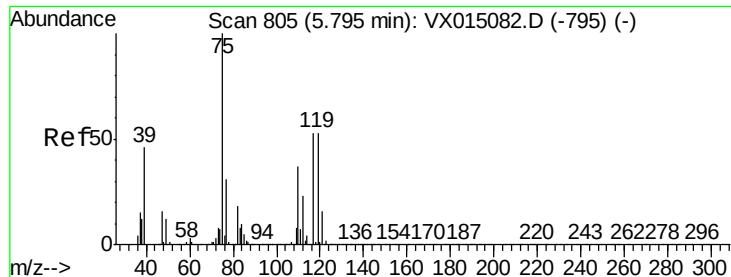
#35
Dibromofluoromethane
Concen: 46.509 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	24.2	18.6	28.0



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

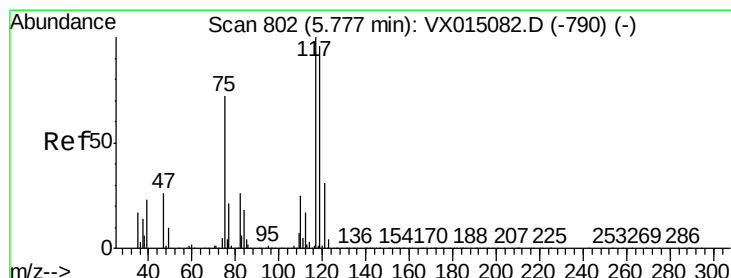
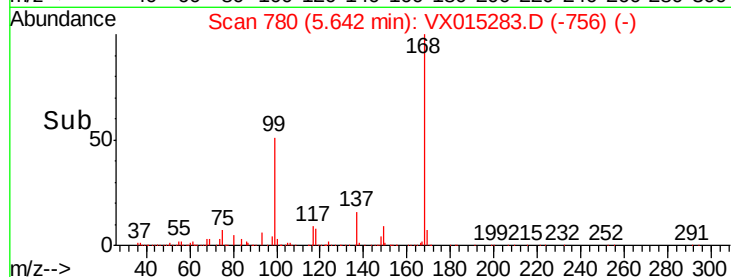
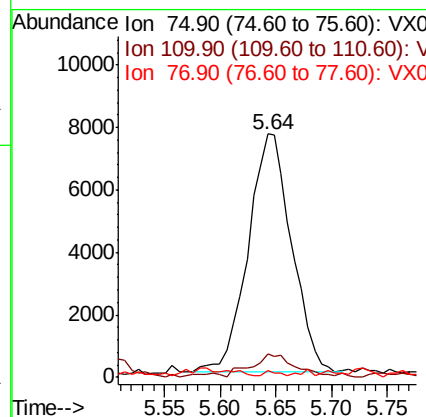
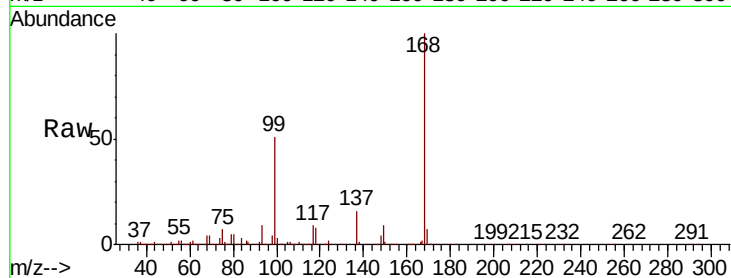




#36
 1,1-Dichloropropene
 Concen: 4.365 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX015283.D
 Acq: 16 Mar 2020 10:46

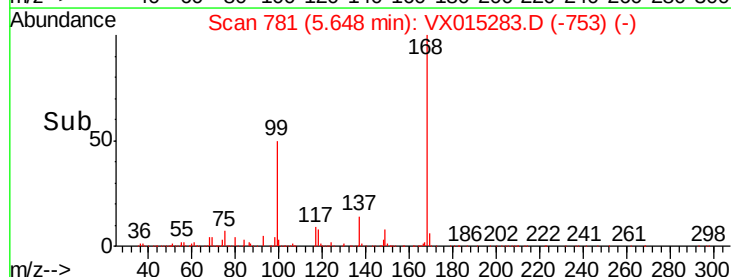
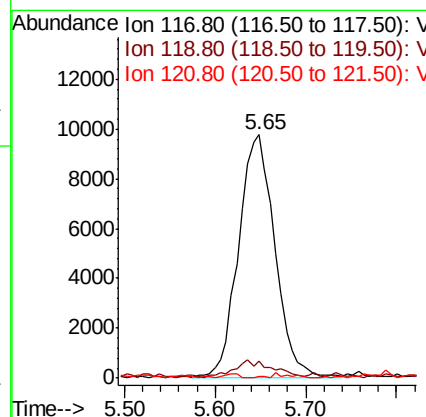
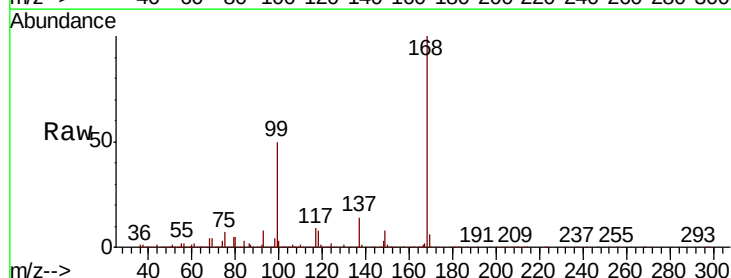
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

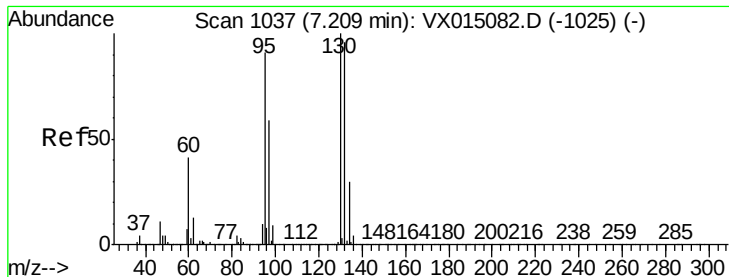
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	0.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.095 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015283.D
 Acq: 16 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.9	115.3#
121	0.3	24.6	37.0#





#44

Trichloroethene

Concen: 0.247 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Instrument :

MSVOA_X

ClientSampleId :

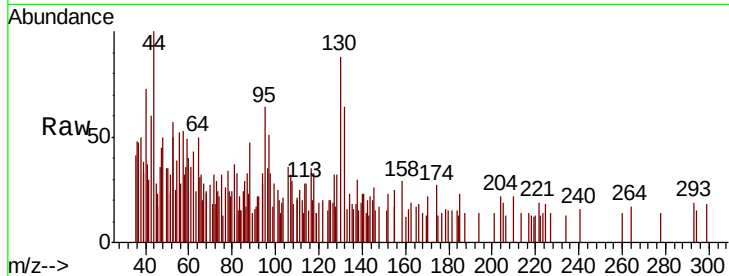
VX0316WBL01

Tot Ion:130 Resp: 967

Ion Ratio Lower Upper

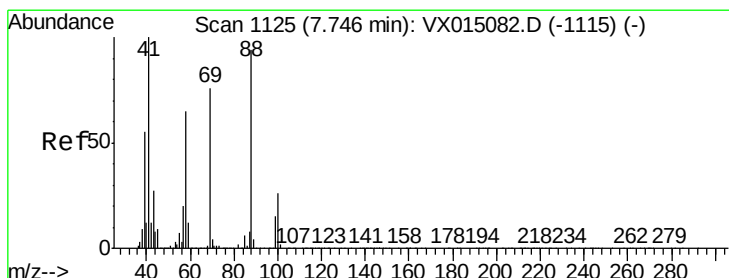
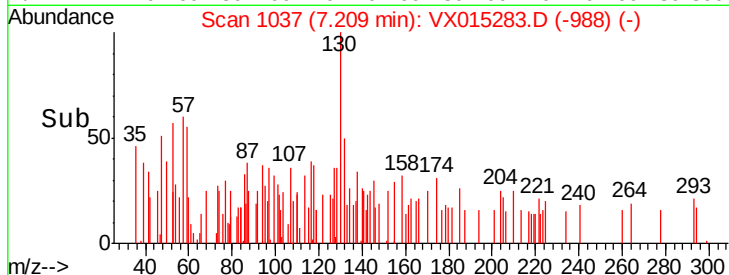
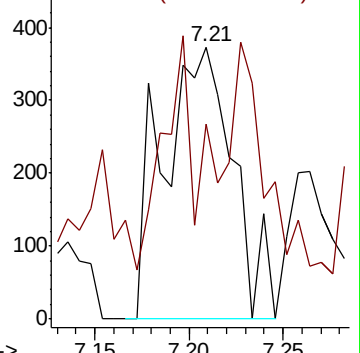
130 100

95 35.7 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 6.020 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

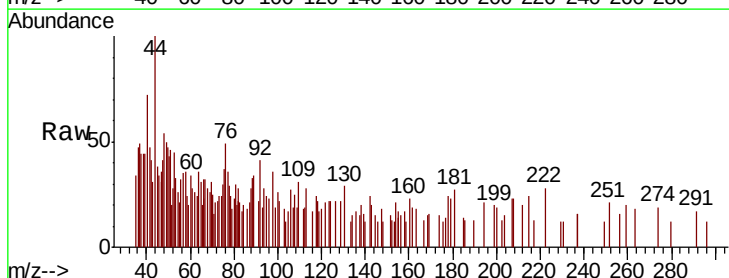
Tgt Ion: 88 Resp: 512

Ion Ratio Lower Upper

88 100

43 14.8 27.0 40.4#

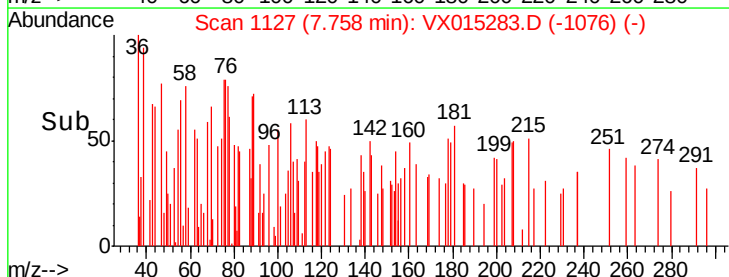
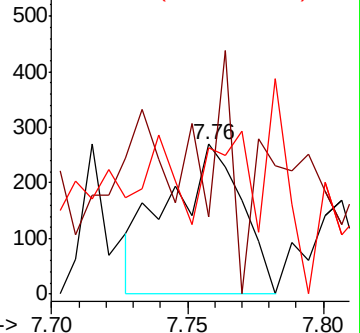
58 0.0 55.6 83.4#

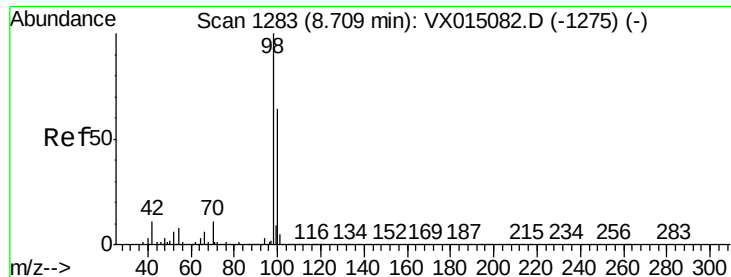


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

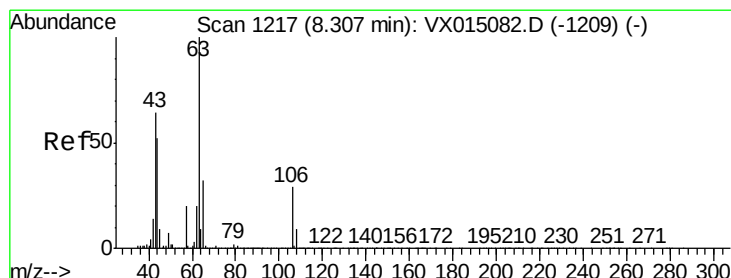
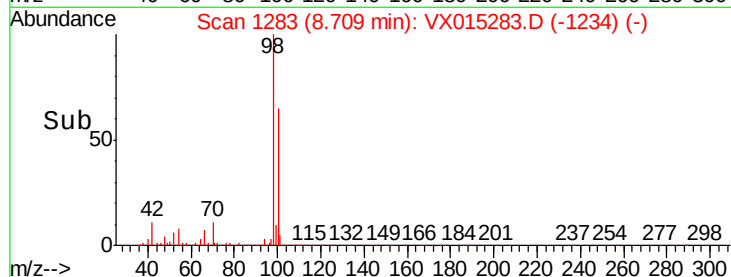
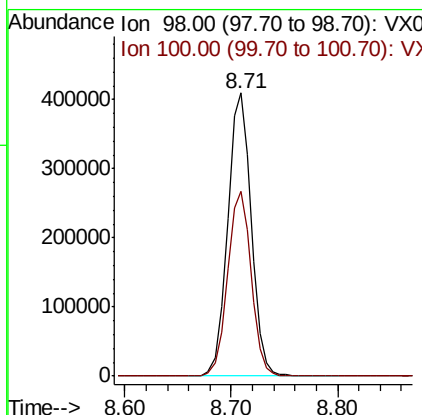
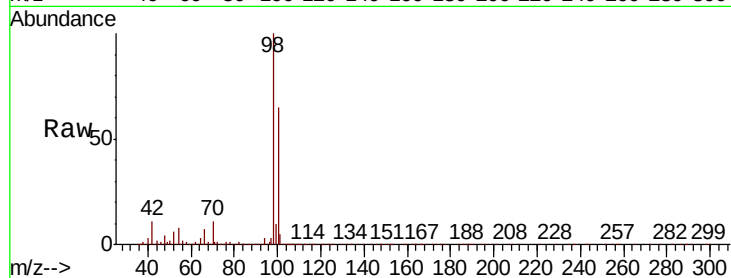




#50
Toluene-d8
Concen: 51.497 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

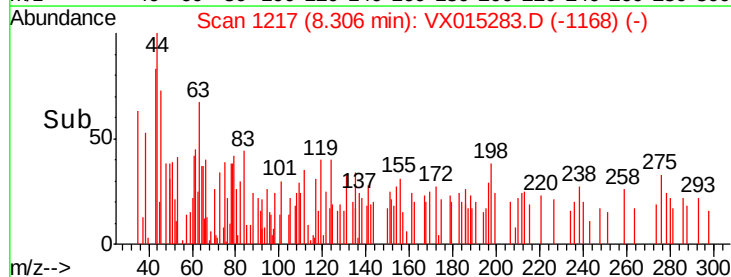
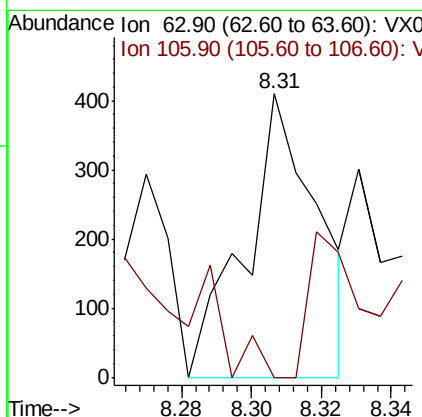
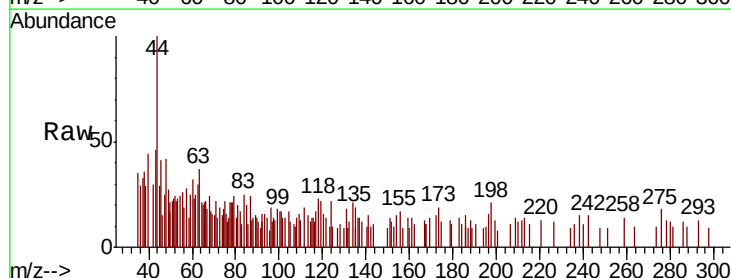
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

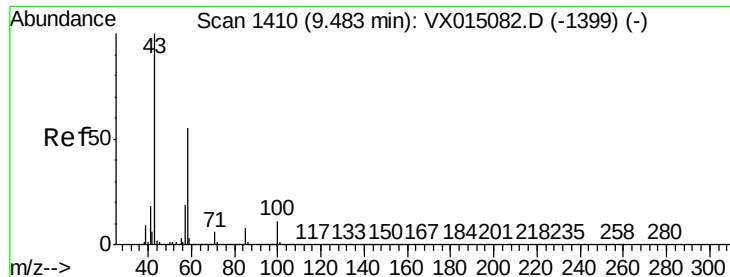
Tot Ion: 98 Resp: 633133
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 0.211 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Tgt Ion: 63 Resp: 581
Ion Ratio Lower Upper
63 100
106 45.3 22.8 34.2#

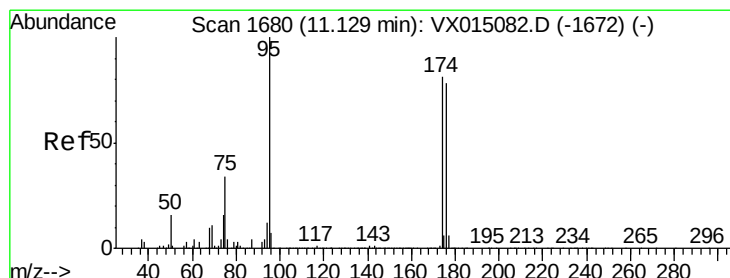
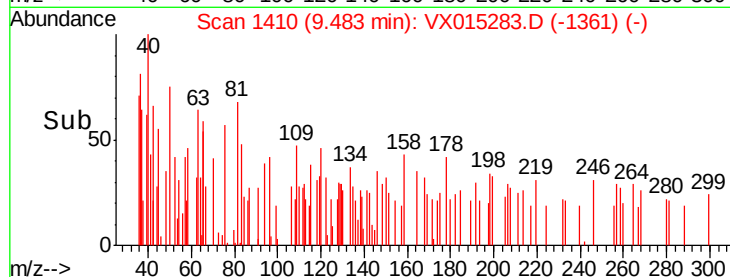
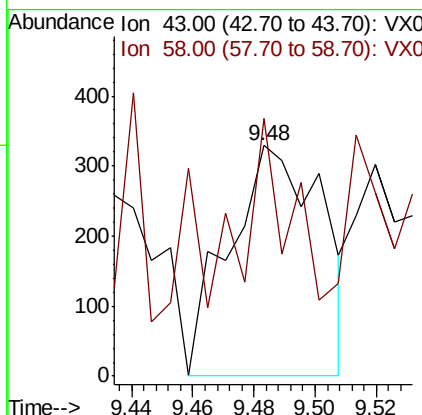
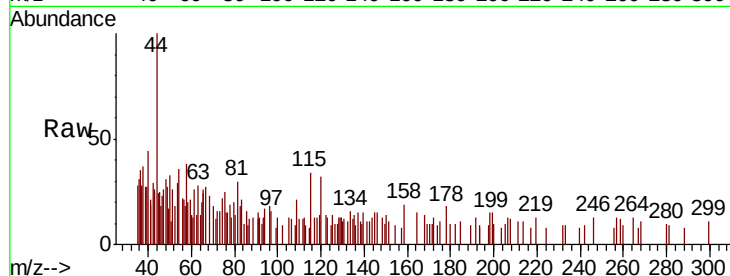




#59
2-Hexanone
Concen: 0.205 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

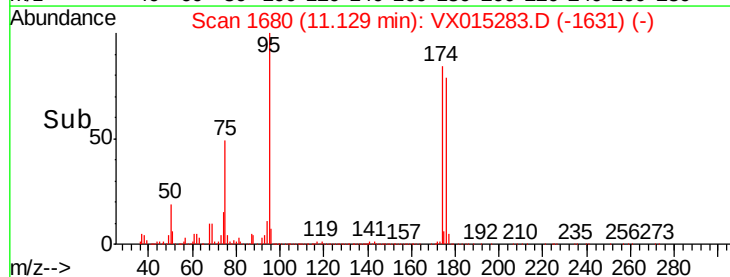
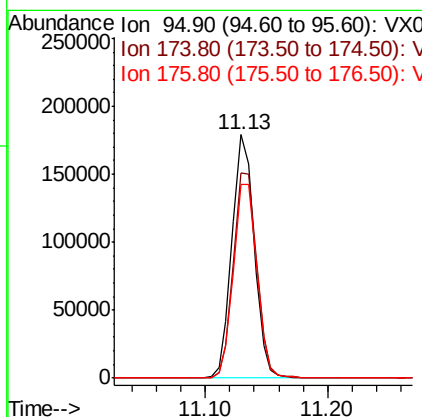
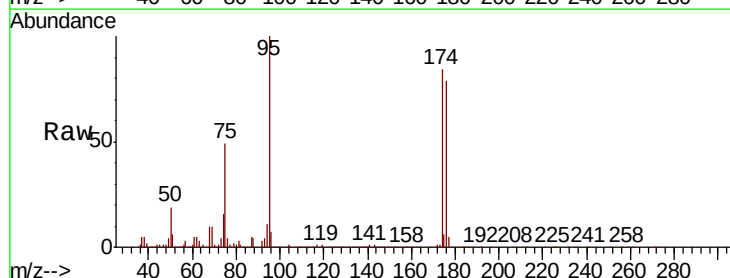
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

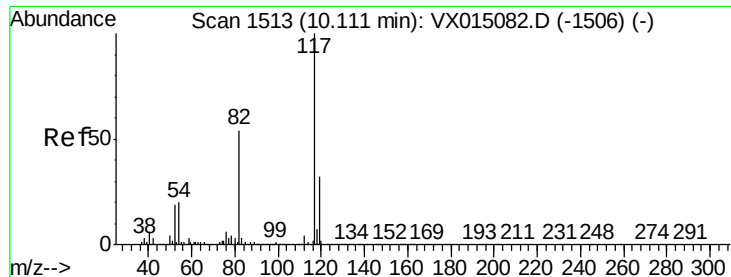
Tot Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 37.1 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 51.312 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Tgt Ion: 95 Resp: 225022
Ion Ratio Lower Upper
95 100
174 89.1 0.0 177.6
176 84.4 0.0 170.2

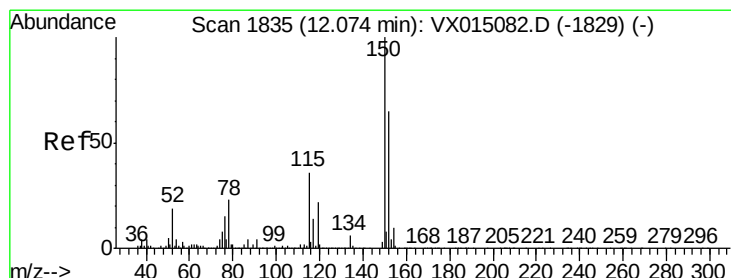
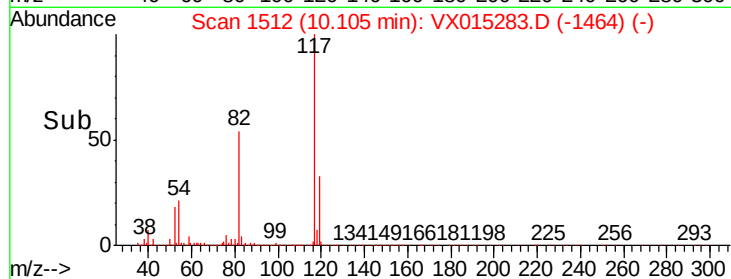
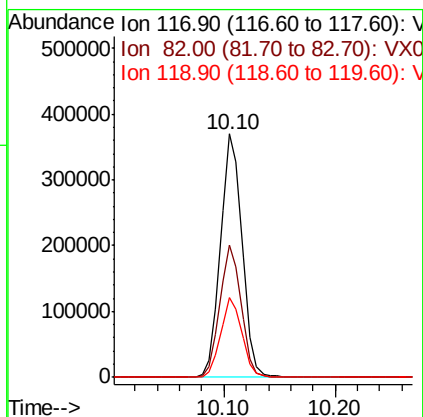
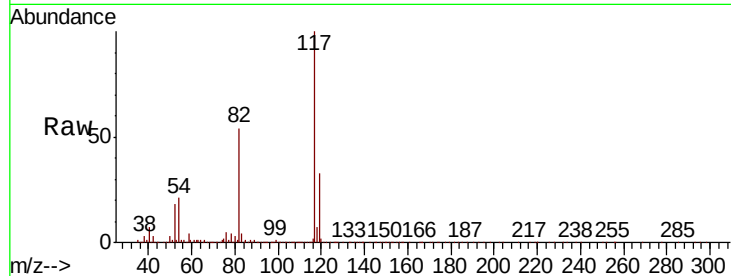




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

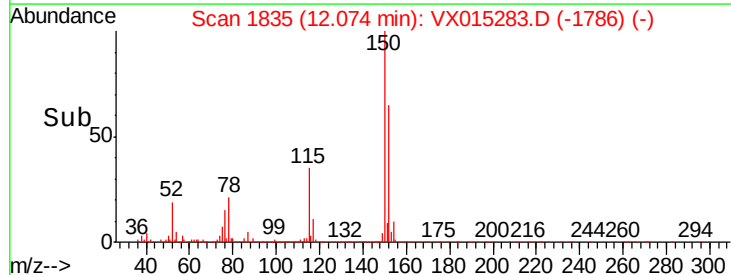
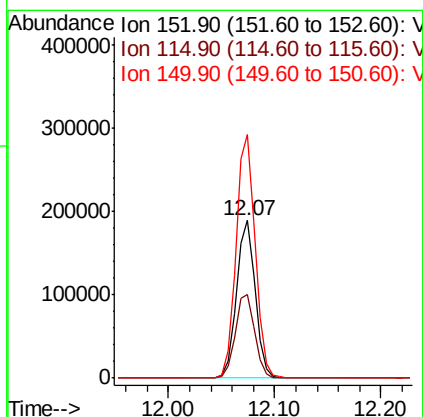
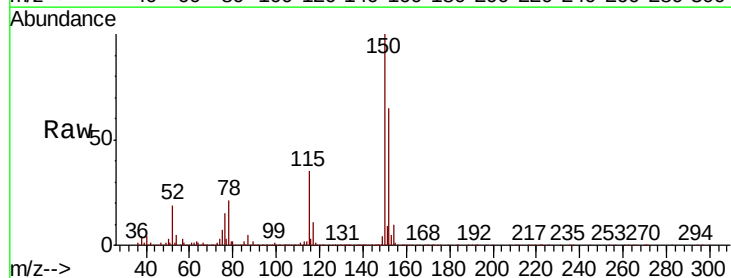
Instrument :
MSVOA_X
ClientSampleId :
VX0316WBL01

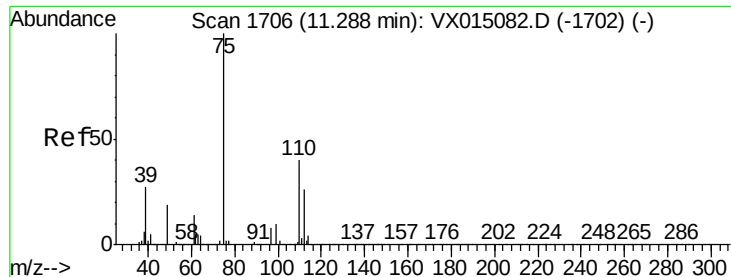
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.3	64.9
119	32.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015283.D
Acq: 16 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.2	114.6
150	156.2	0.0	343.8

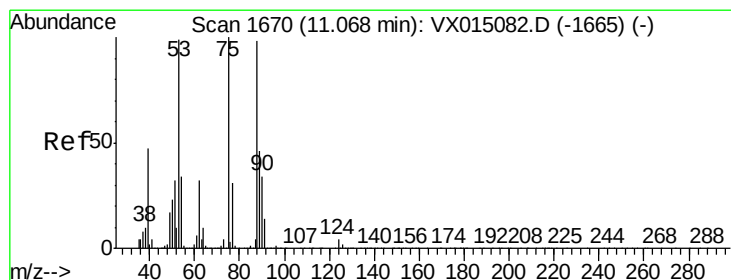
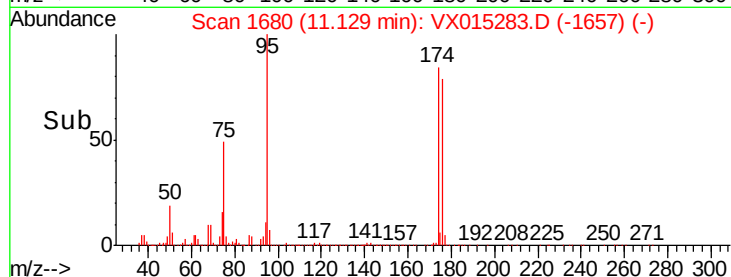
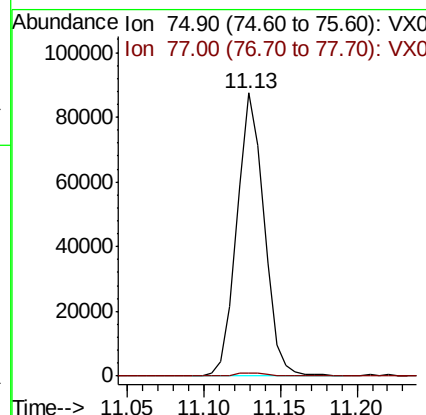
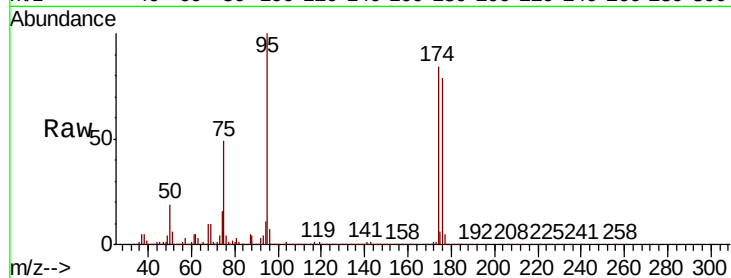




#76
 1,2,3-Trichloropropane
 Concen: 22.843 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015283.D
 Acq: 16 Mar 2020 10:46

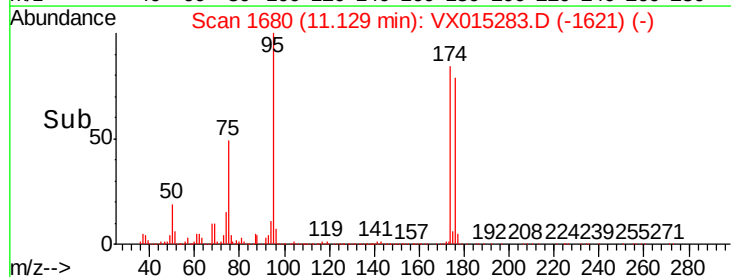
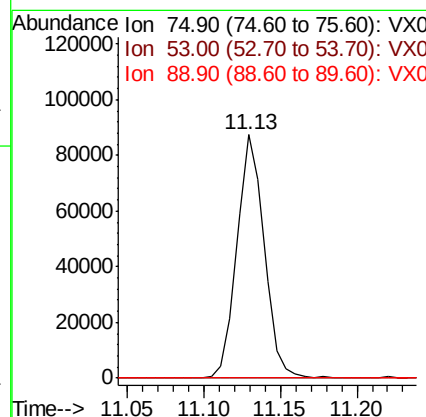
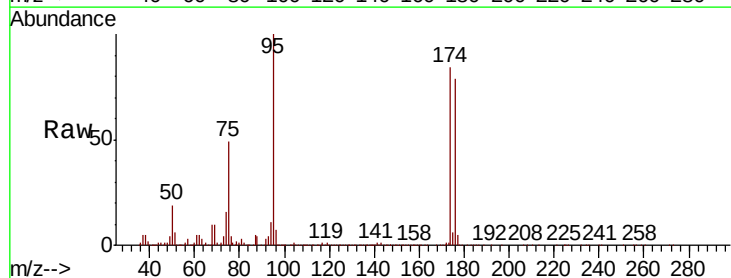
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

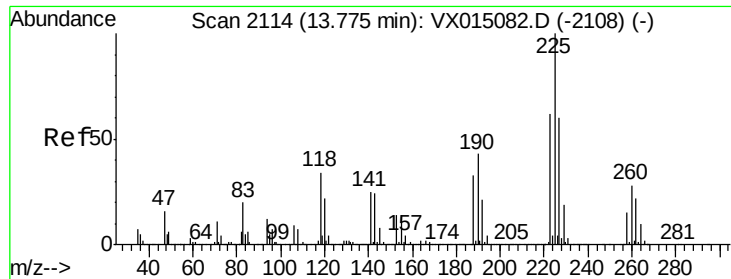
Tot Ion: 75 Resp: 106944
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.829 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015283.D
 Acq: 16 Mar 2020 10:46

Tgt Ion: 75 Resp: 106944
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.9 116.9#
 89 0.2 36.2 54.2#





#94

Hexachlorobutadiene

Concen: 0.288 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

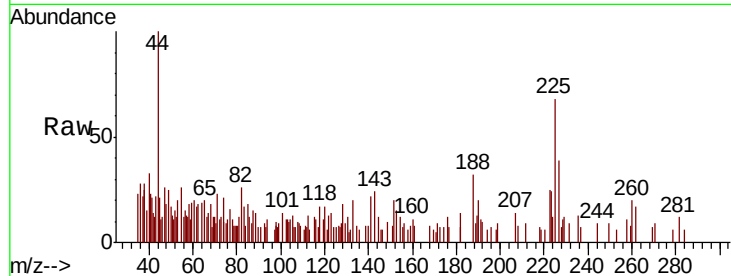
Instrument :

MSVOA_X

ClientSampled :

VX0316WBL01

Tot Ion:	225	Resp:	748
Ion	Ratio	Lower	Upper
225	100		
223	70.2	31.3	93.9
227	66.6	31.1	93.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

13.78

800

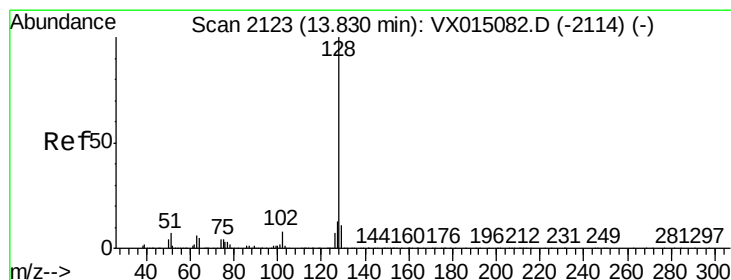
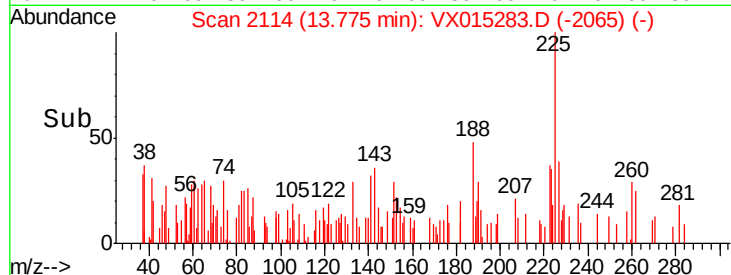
600

400

200

0

Time-->



#95

Naphthalene

Concen: 1.662 ug/l

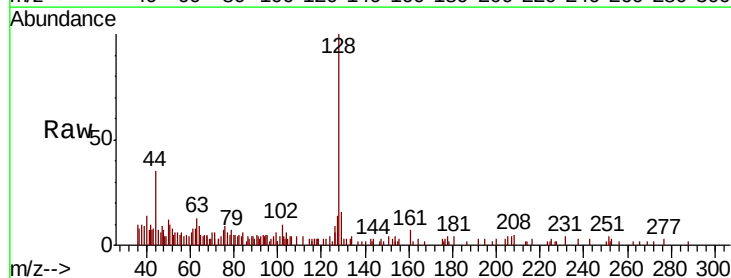
RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015283.D

Acq: 16 Mar 2020 10:46

Tgt Ion:	128	Resp:	3878
Ion	Ratio	Lower	Upper
128	100		
127	26.1	10.3	15.5#
129	29.0	8.6	13.0#



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

13.83

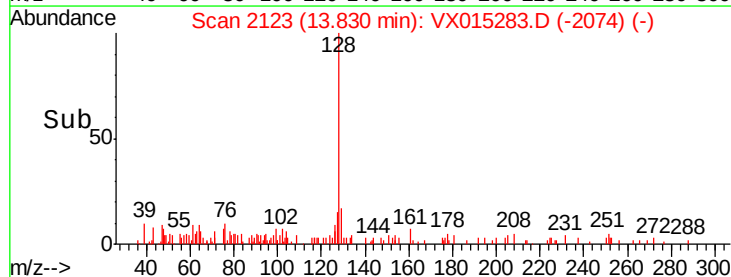
3000

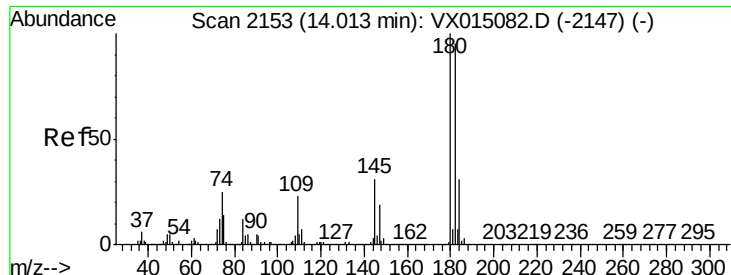
2000

1000

0

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.406 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX015283.D
 Acq: 16 Mar 2020 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.8	143.4
145	36.0	15.1	45.3

