

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071720\
 Data File : VX017426.D
 Acq On : 17 Jul 2020 17:42
 Operator : JC/SP
 Sample : L3334-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 18 07:00:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	232958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	451877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225726	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	168781	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
35) Dibromofluoromethane	5.46	113	147138	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.70	98	524104	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.12	95	208755	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

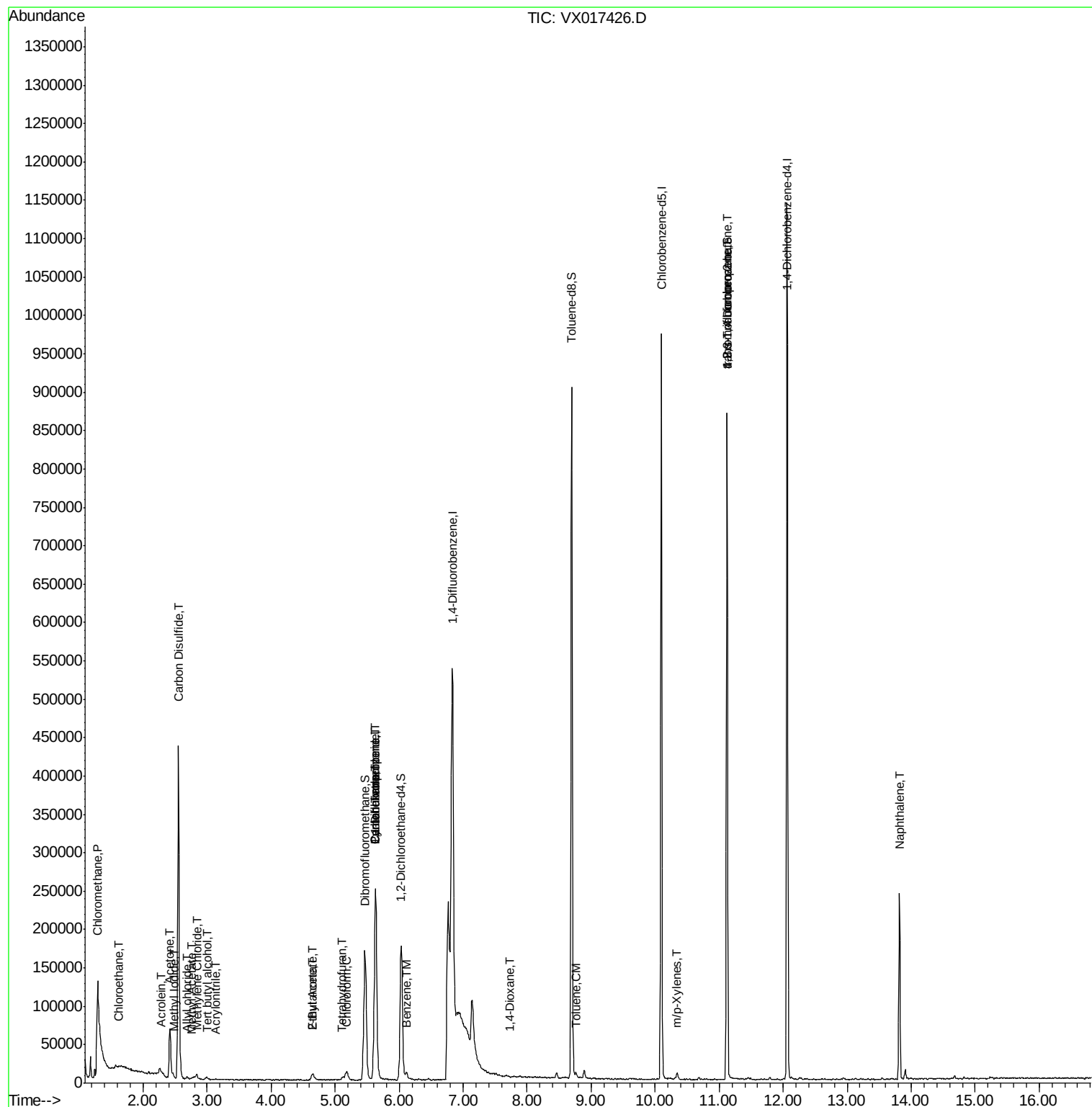
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.29	50	6667	3.004	ug/l #	41
6) Chloroethane	1.62	64	3756	2.710	ug/l #	50
10) Methyl Iodide	2.48	142	125	2.417	ug/l #	39
11) Tert butyl alcohol	3.00	59	2211	4.488	ug/l #	78
13) Acrolein	2.28	56	132	0.489	ug/l #	1
14) Allyl chloride	2.68	41	2485	0.676	ug/l #	48
15) Acrylonitrile	3.13	53	244	0.204	ug/l #	58
16) Acetone	2.42	43	70270	67.367	ug/l	99
17) Carbon Disulfide	2.55	76	539573	87.247	ug/l	98
18) Methyl Acetate	2.75	43	604	0.234	ug/l #	79
20) Methylene Chloride	2.84	84	3134	1.231	ug/l	95
25) 2-Butanone	4.64	43	7484	4.517	ug/l #	82
29) Tetrahydrofuran	5.10	42	423	0.394	ug/l #	61
30) Chloroform	5.18	83	13044	2.948	ug/l	89
31) Cyclohexane	5.64	56	5466	1.624	ug/l #	10
36) 1,1-Dichloropropene	5.63	75	17195	4.137	ug/l #	48
37) Ethyl Acetate	4.64	43	7484	1.741	ug/l #	77
38) Carbon Tetrachloride	5.63	117	23555	4.840	ug/l #	18
40) Benzene	6.12	78	10127	0.848	ug/l	97
49) 1,4-Dioxane	7.72	88	67	0.993	ug/l #	25
52) Toluene	8.77	92	1918	0.250	ug/l	94
68) m/p-Xylenes	10.34	106	1633	0.288	ug/l	80
76) 1,2,3-Trichloropropane	11.12	75	104863	25.141	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104863	63.776	ug/l #	11
95) Naphthalene	13.82	128	139548	10.092	ug/l	98

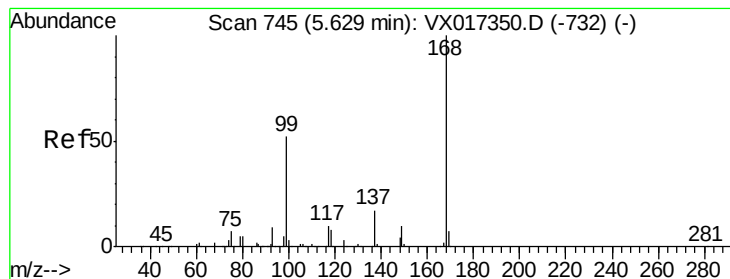
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Jul 18 07:00:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

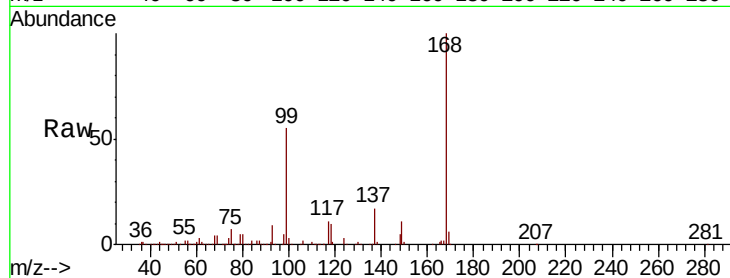
ClientSampleId :

Tot Ion:168 Resp: 232958

Ion Ratio Lower Upper

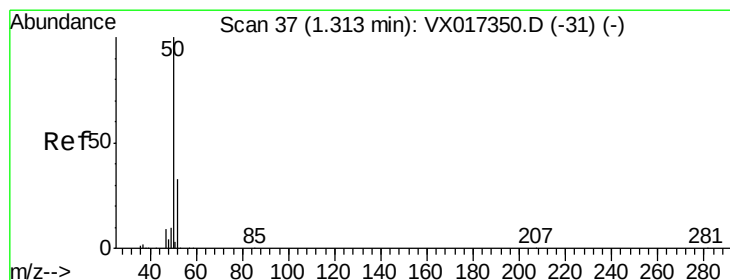
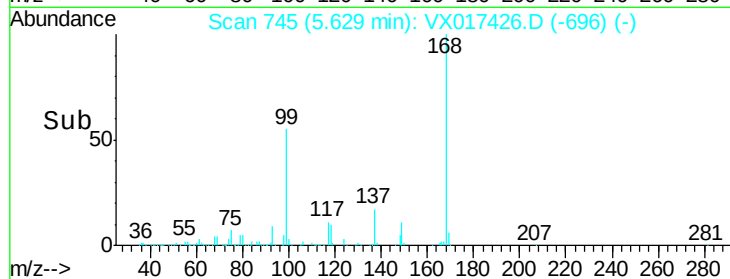
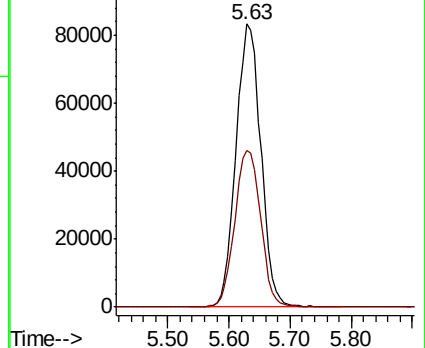
168 100

99 55.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 3.004 ug/l

RT: 1.29 min Scan# 33

Delta R.T. -0.02 min

Lab File: VX017426.D

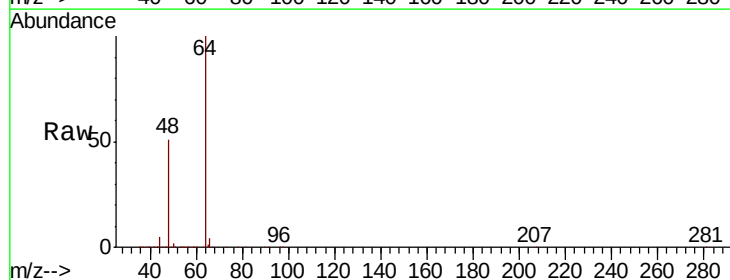
Acq: 17 Jul 2020 17:42

Tgt Ion: 50 Resp: 6667

Ion Ratio Lower Upper

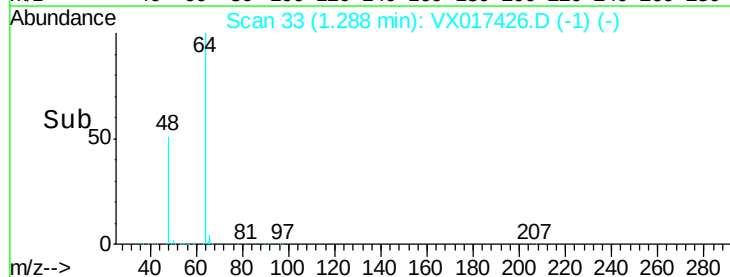
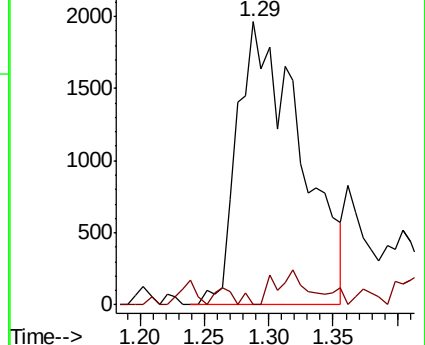
50 100

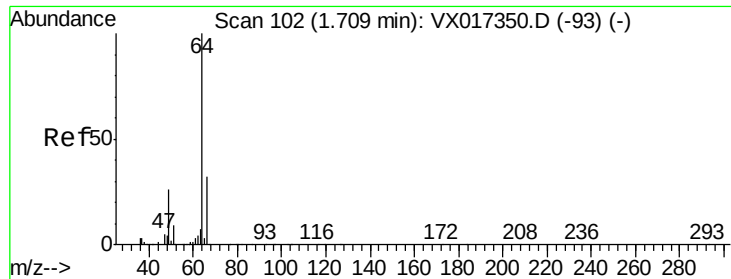
52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 2.710 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.09 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

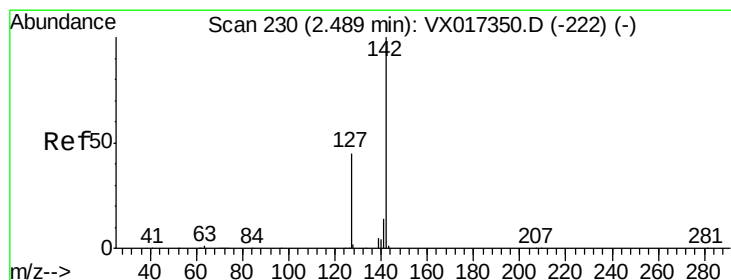
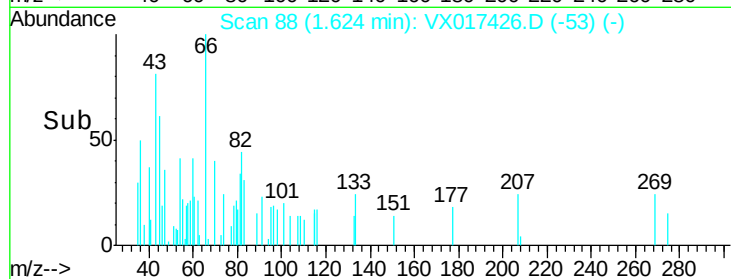
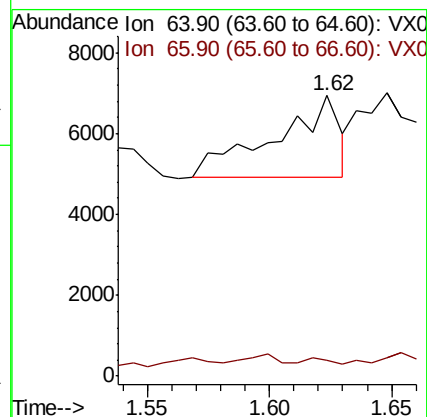
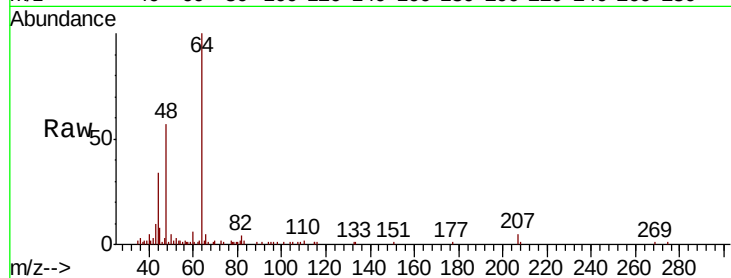
ClientSampleId :

Tot Ion: 64 Resp: 3756

Ion Ratio Lower Upper

64 100

66 3.9 25.7 38.5#



#10

Methyl Iodide

Concen: 2.417 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

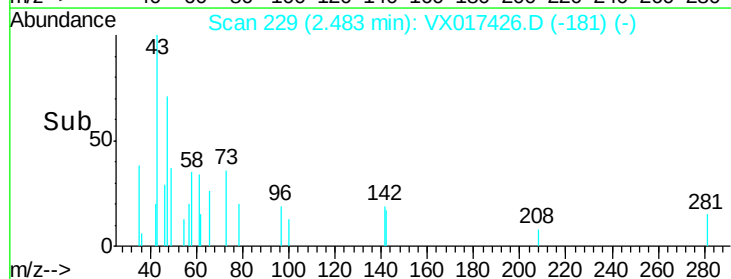
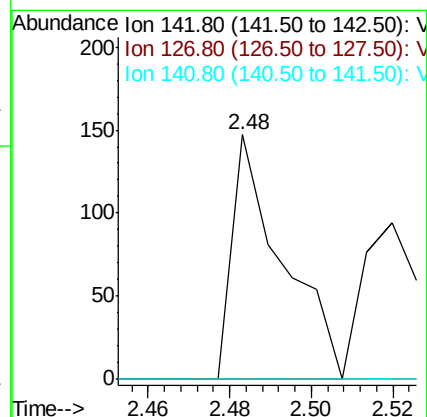
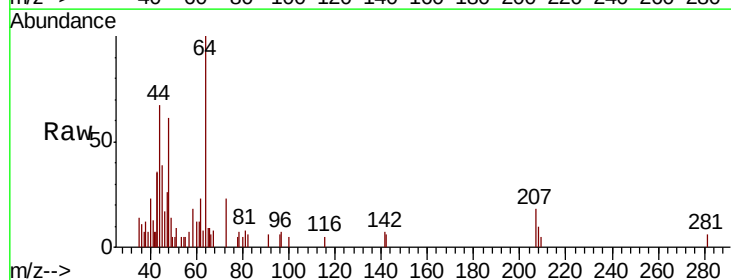
Tgt Ion: 142 Resp: 125

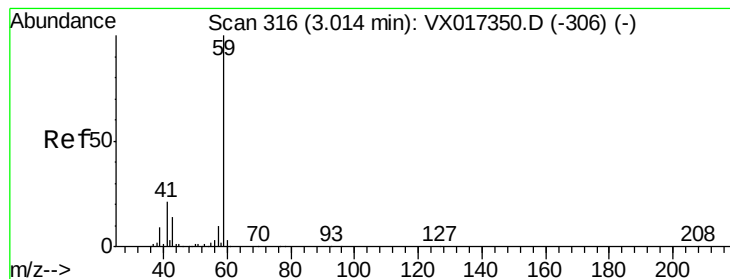
Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.4 17.0#



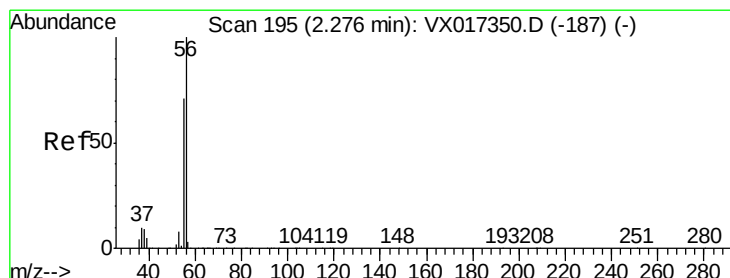
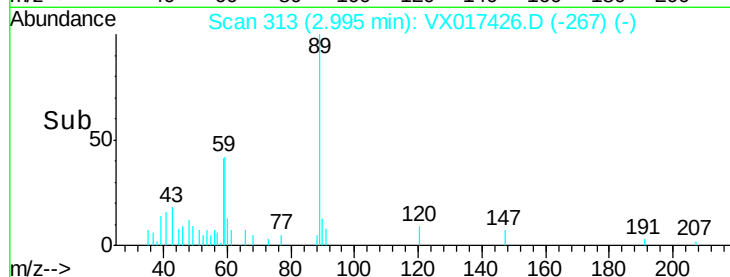
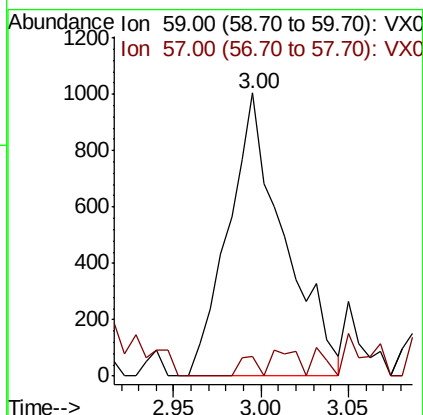
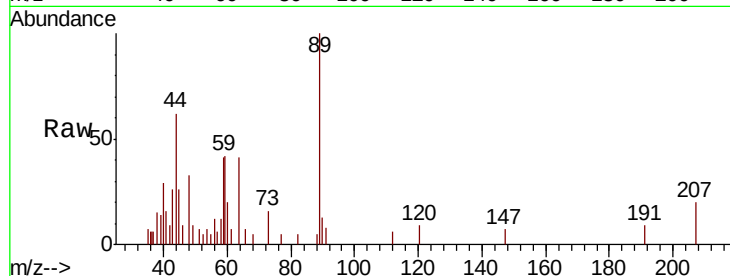


#11

Tert butyl alcohol
Concen: 4.488 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Instrument :
MSVOA_X
ClientSampleId :

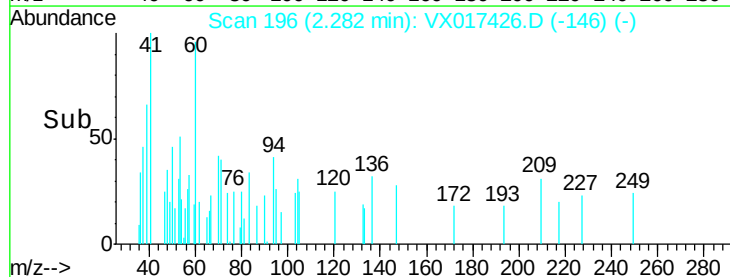
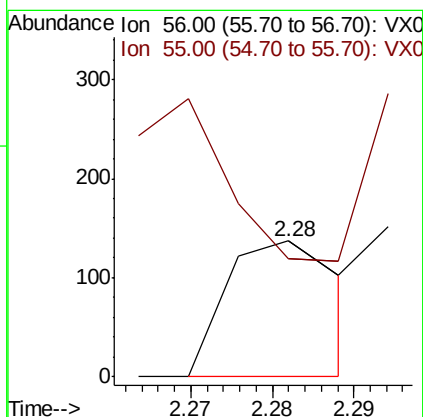
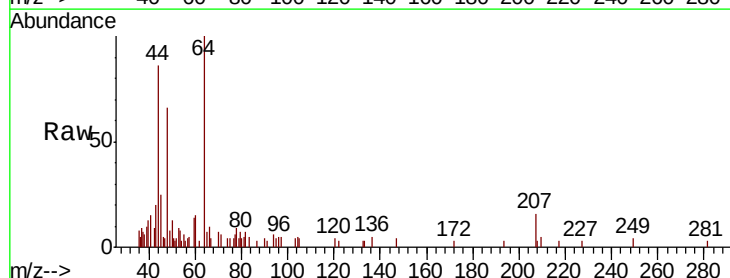
Tot Ion: 59 Resp: 2211
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#

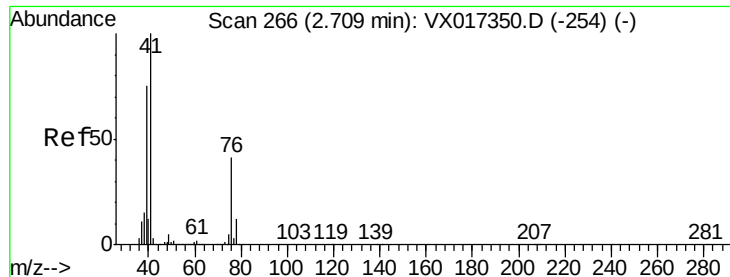


#13

Acrolein
Concen: 0.489 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 192.4 57.1 85.7#

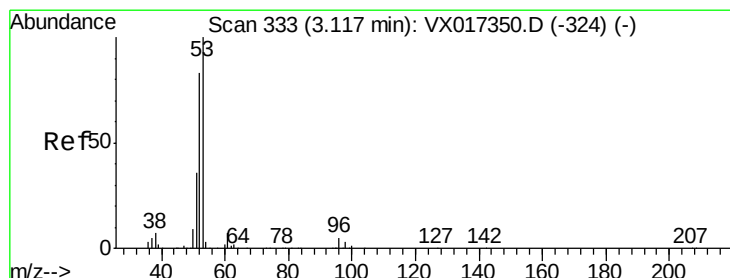
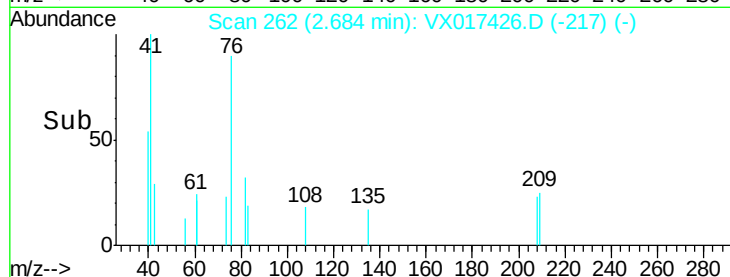
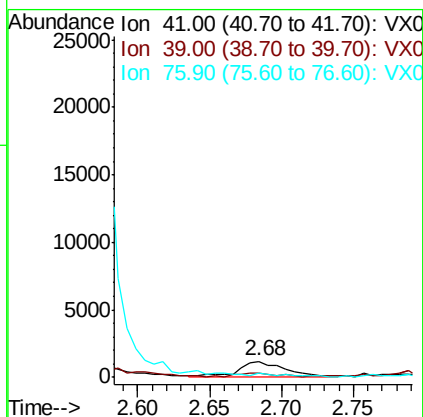
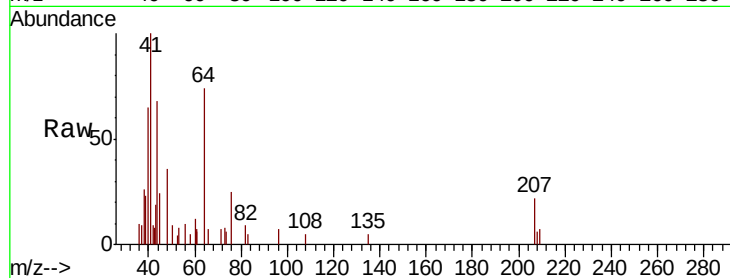




#14
Allvl chloride
Concen: 0.676 ug/l
RT: 2.68 min Scan# 262
Delta R.T. -0.02 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

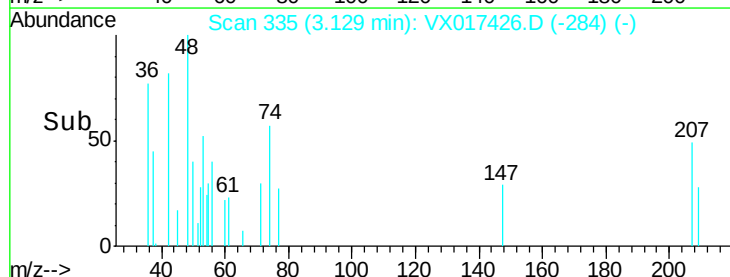
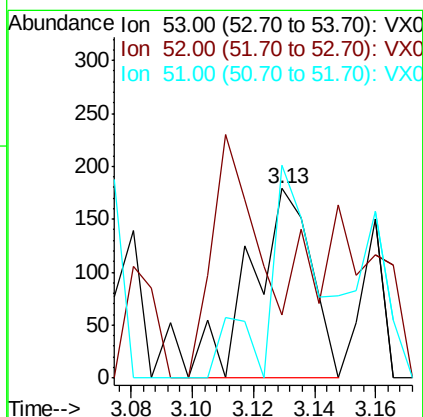
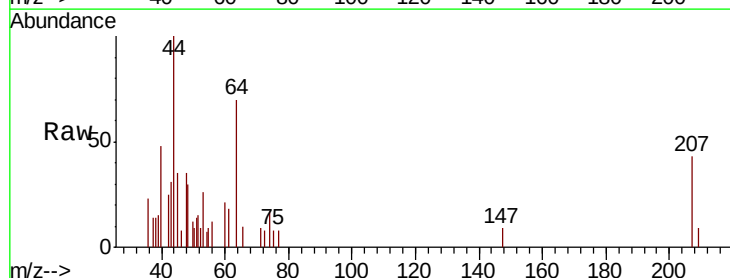
Instrument :
MSVOA_X
ClientSampleId :

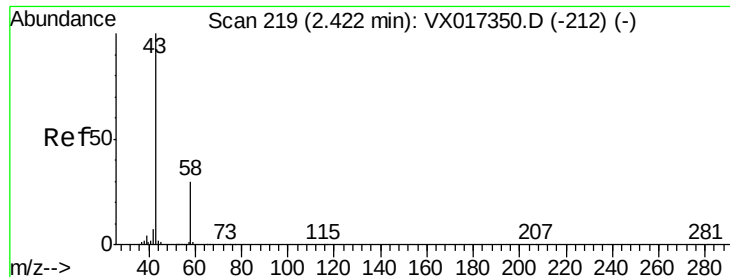
Tot Ion: 41 Resp: 2485
Ion Ratio Lower Upper
41 100
39 28.0 53.0 79.4#
76 0.0 28.2 42.2#



#15
Acrylonitrile
Concen: 0.204 ug/l
RT: 3.13 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 53 Resp: 244
Ion Ratio Lower Upper
53 100
52 99.2 65.8 98.6#
51 92.6 29.2 43.8#





#16

Acetone

Concen: 67.367 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

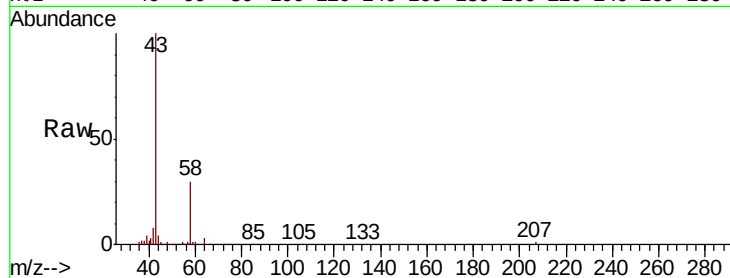
ClientSampleId :

Tot Ion: 43 Resp: 70270

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

40000

30000

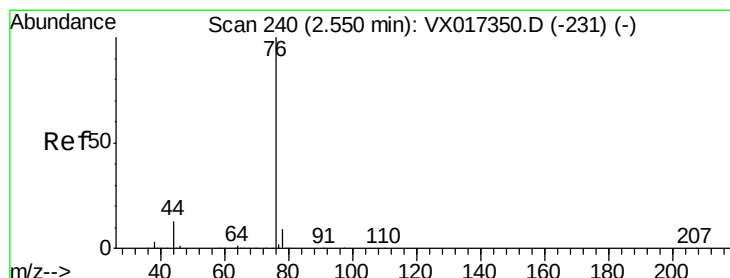
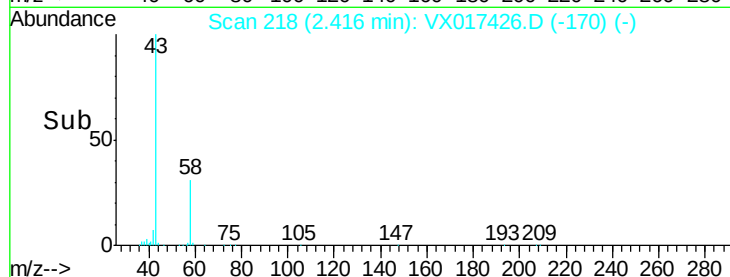
20000

10000

0

Time-->

2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 87.247 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017426.D

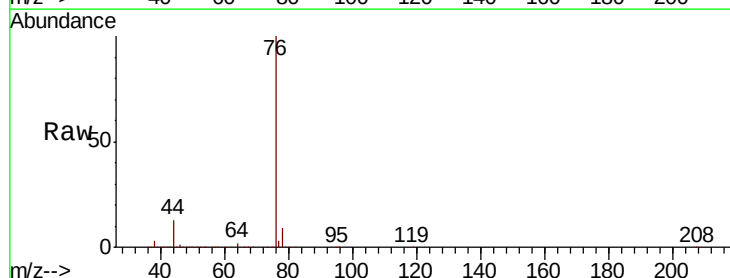
Acq: 17 Jul 2020 17:42

Tgt Ion: 76 Resp: 539573

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

300000

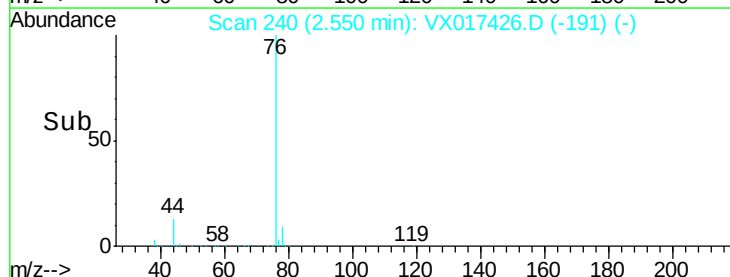
200000

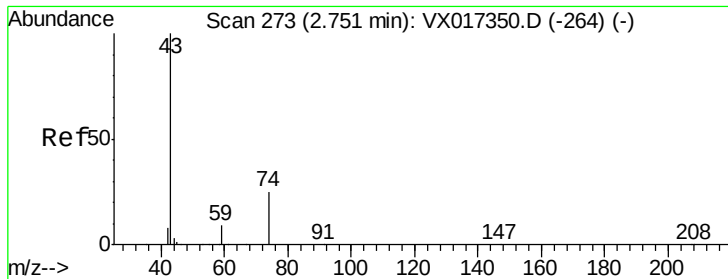
100000

0

Time-->

2.50 2.60

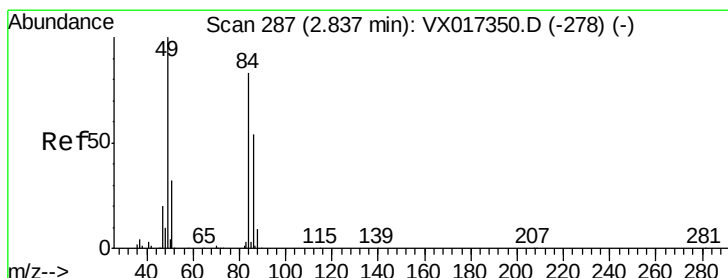
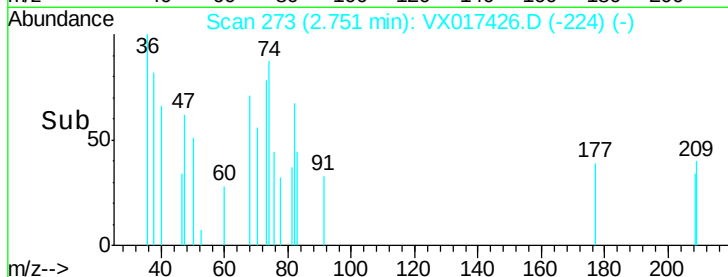
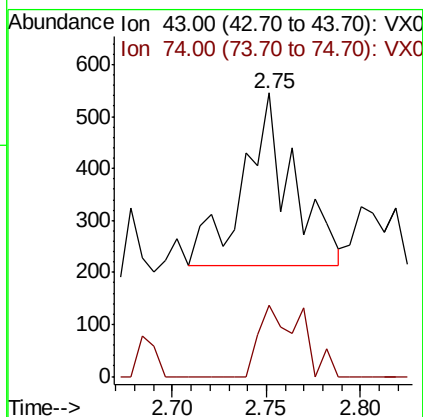
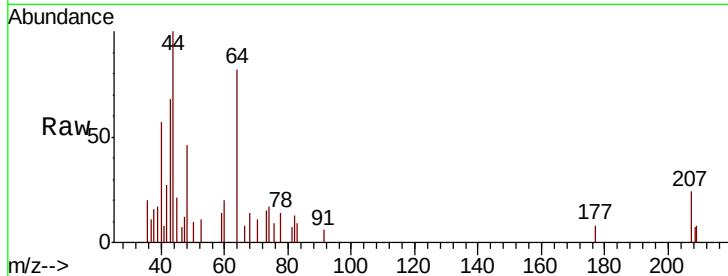




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

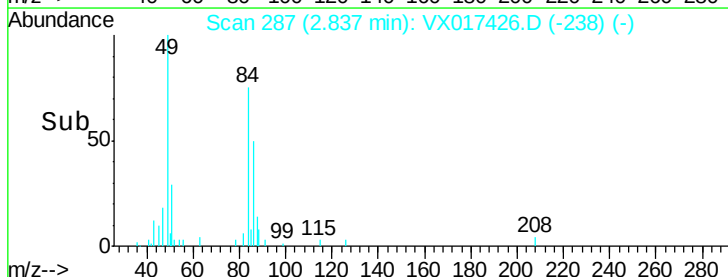
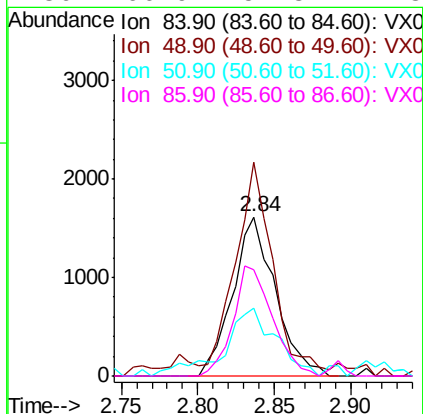
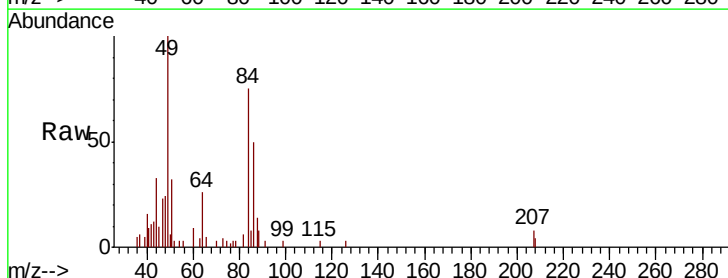
Instrument :
MSVOA_X
ClientSampled :

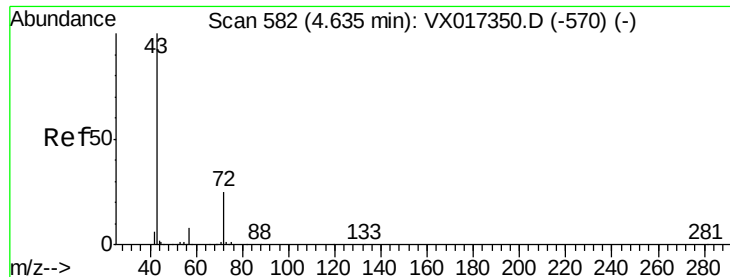
Tot Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
74 34.9 19.4 29.2#



#20
Methylene Chloride
Concen: 1.231 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 84 Resp: 3134
Ion Ratio Lower Upper
84 100
49 126.2 95.8 143.8
51 36.4 31.0 46.4
86 66.9 51.8 77.8





#25

2-Butanone

Concen: 4.517 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

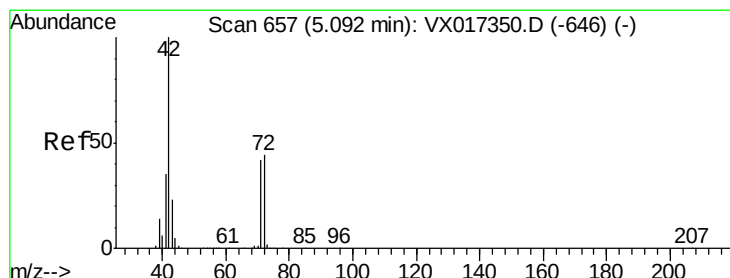
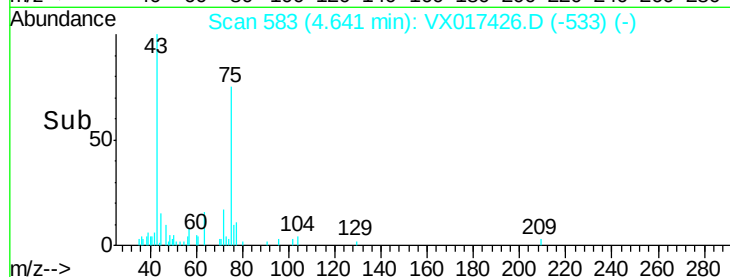
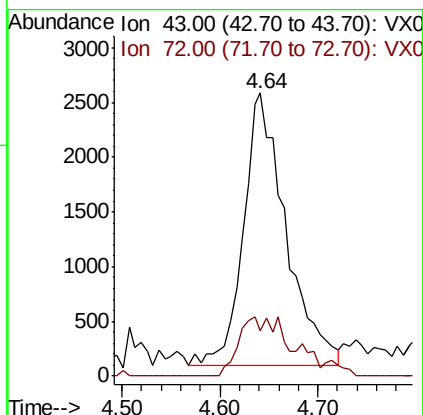
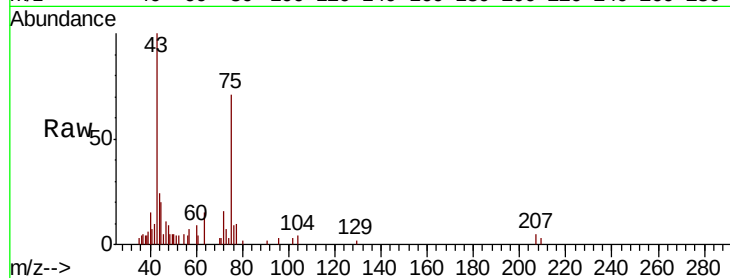
ClientSampled :

Tot Ion: 43 Resp: 7484

Ion Ratio Lower Upper

43 100

72 16.6 20.4 30.6#



#29

Tetrahydrofuran

Concen: 0.394 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

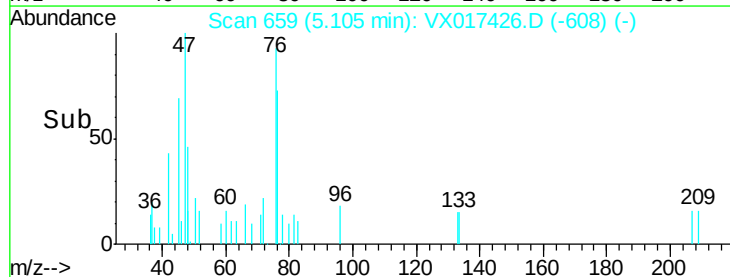
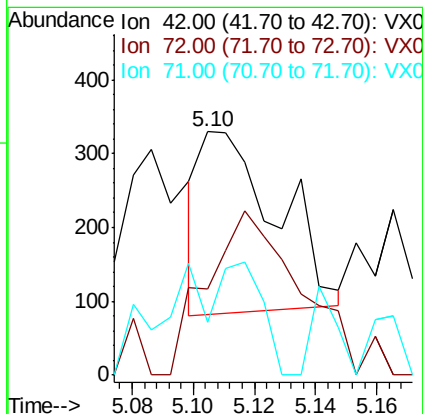
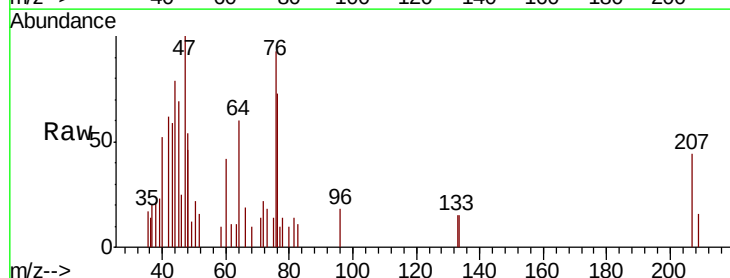
Tgt Ion: 42 Resp: 423

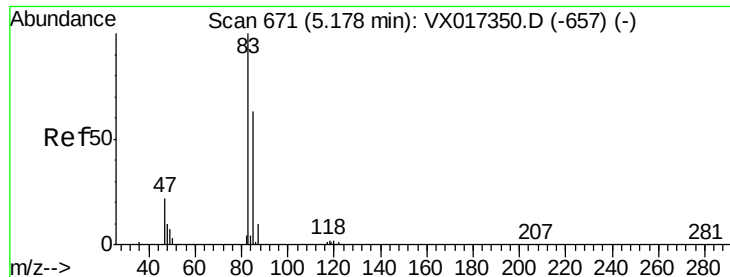
Ion Ratio Lower Upper

42 100

72 0.0 37.2 55.8#

71 39.7 34.4 51.6

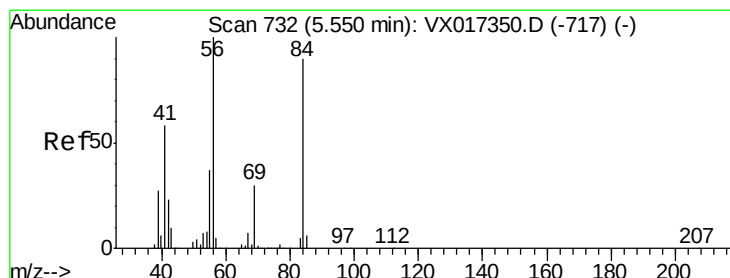
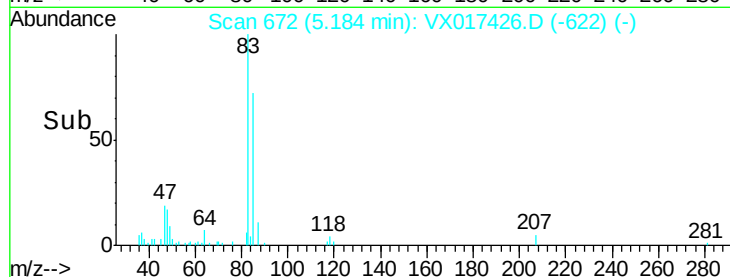
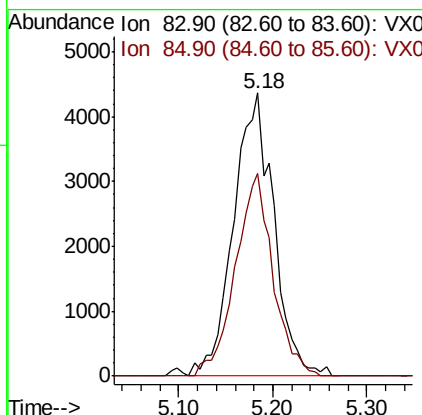
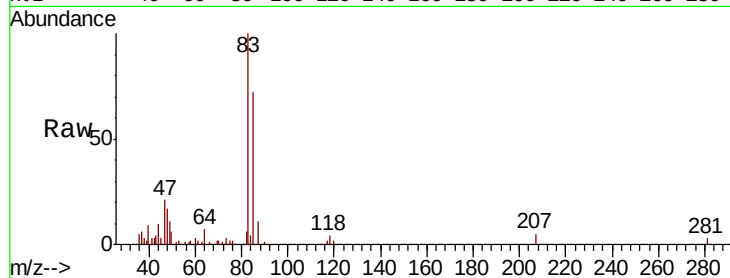




#30
Chloroform
Concen: 2.948 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

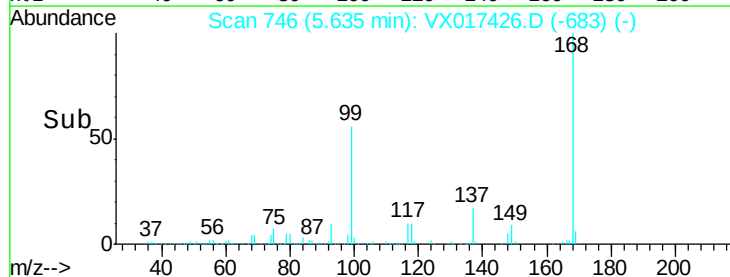
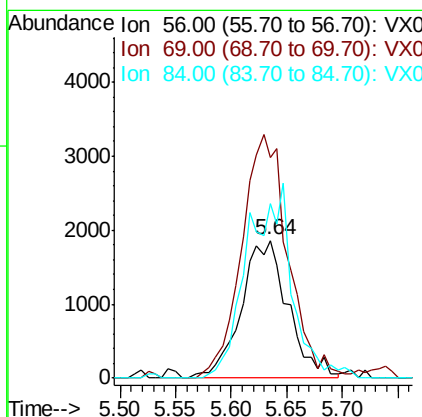
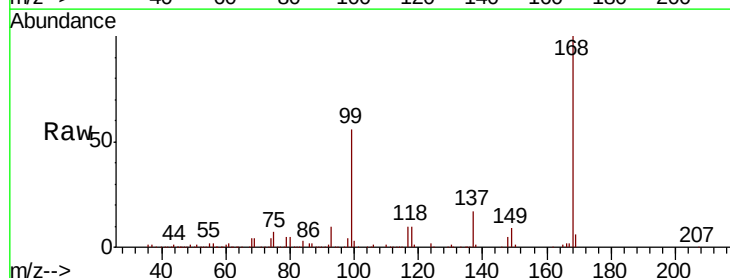
Instrument :
MSVOA_X
ClientSampleId :

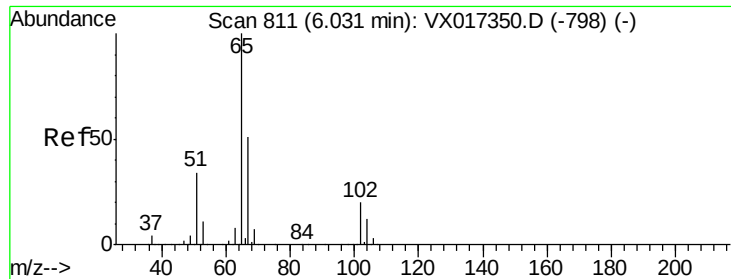
Tot Ion: 83 Resp: 13044
Ion Ratio Lower Upper
83 100
85 71.6 50.2 75.4



#31
Cyclohexane
Concen: 1.624 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 56 Resp: 5466
Ion Ratio Lower Upper
56 100
69 160.3 23.7 35.5#
84 126.5 71.8 107.6#

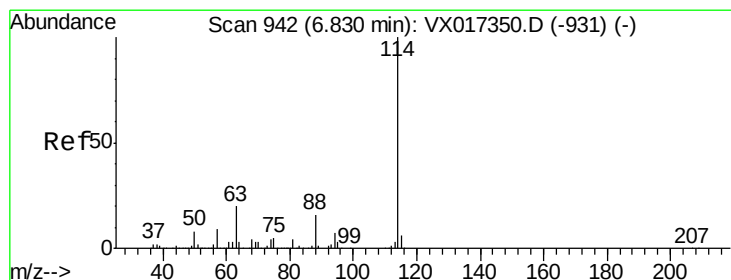
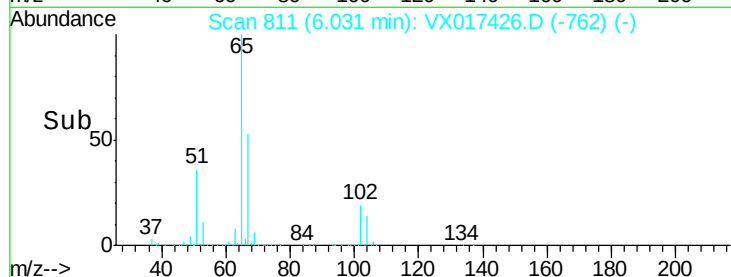
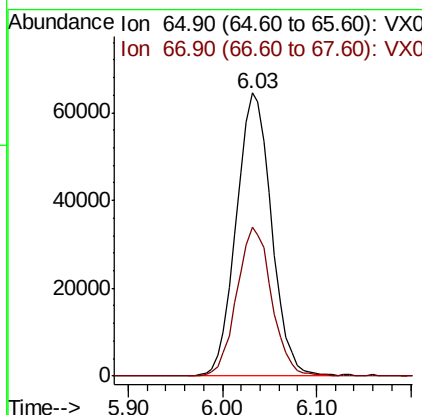
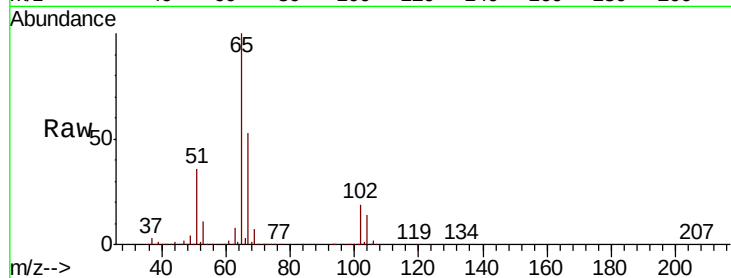




#33
 1,2-Dichloroethane-d4
 Concen: 57.726 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

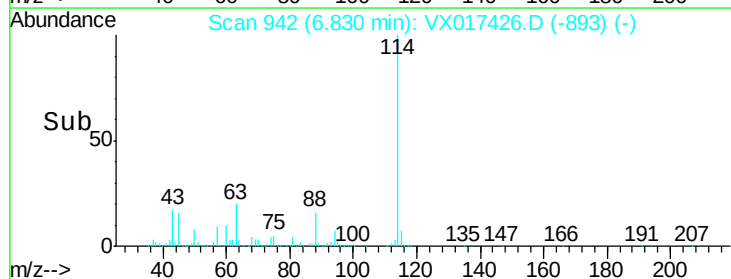
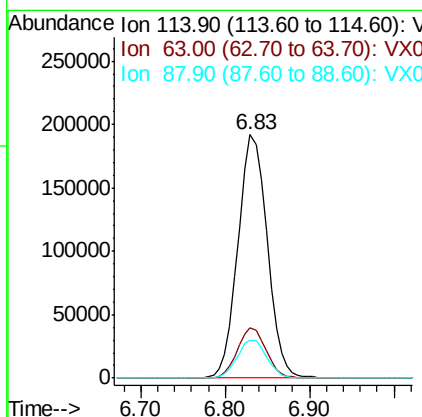
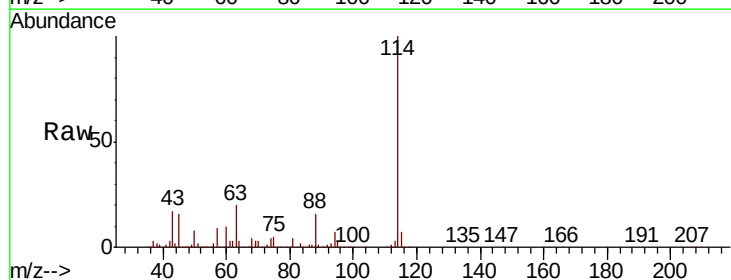
Instrument :
 MSVOA_X
 ClientSampleId :

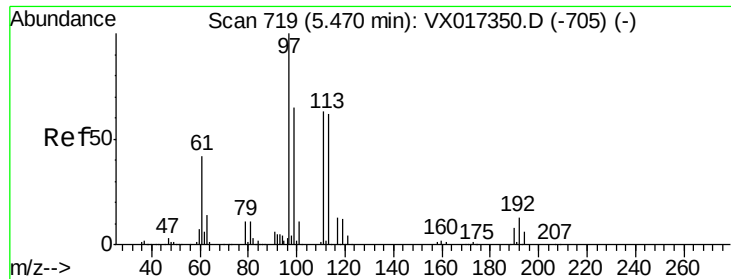
Tot Ion: 65 Resp: 168781
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

Tgt Ion: 114 Resp: 451877
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 15.6 0.0 32.8

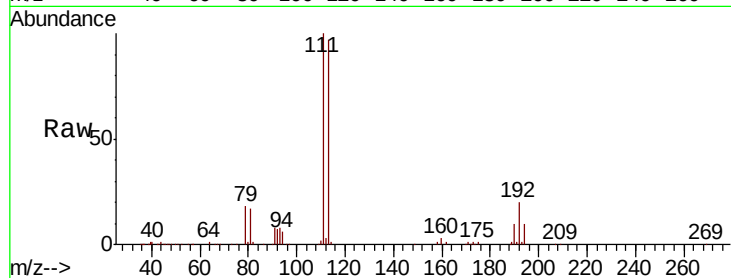




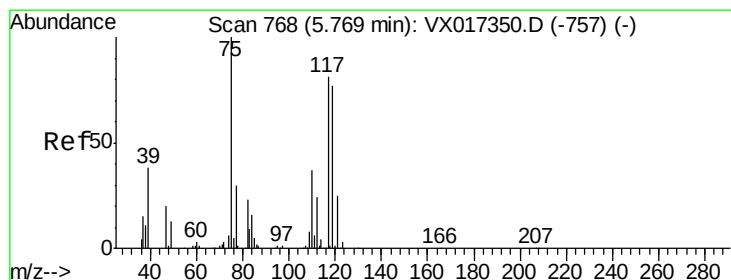
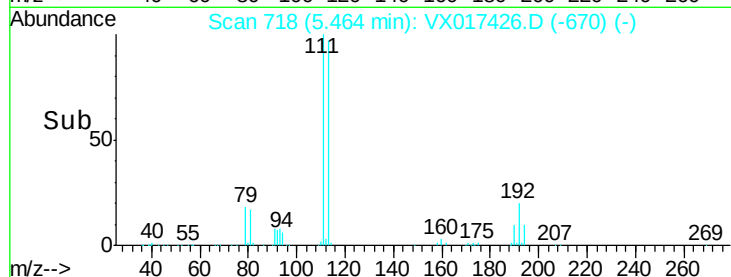
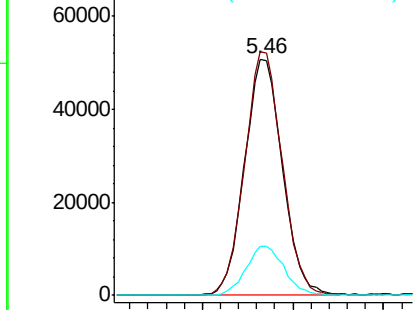
#35
 Dibromofluoromethane
 Concen: 48.338 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	20.7	17.2	25.8

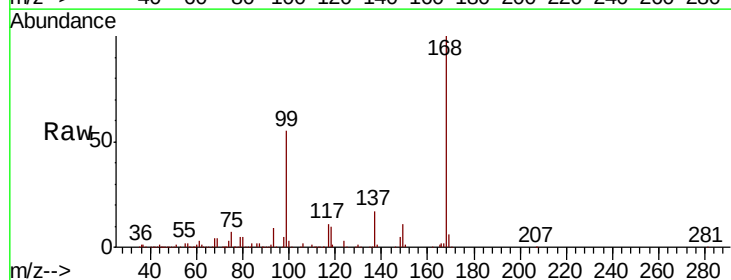


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

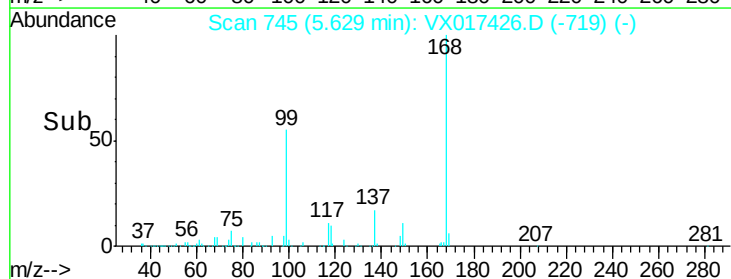
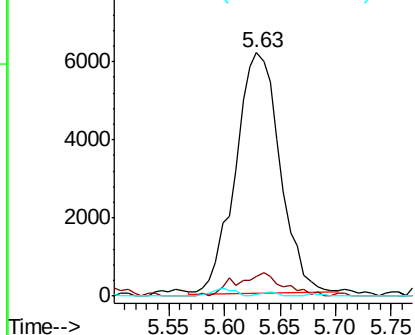


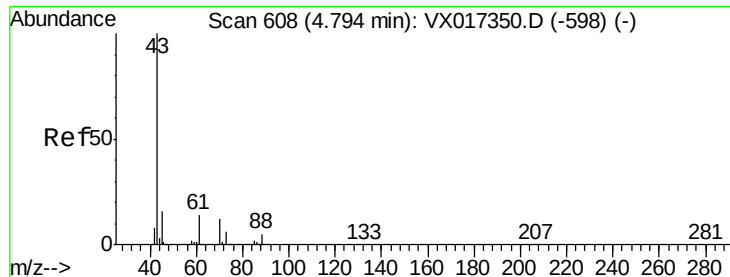
#36
 1,1-Dichloropropene
 Concen: 4.137 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.6	55.8#
77	0.6	24.9	37.3#



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

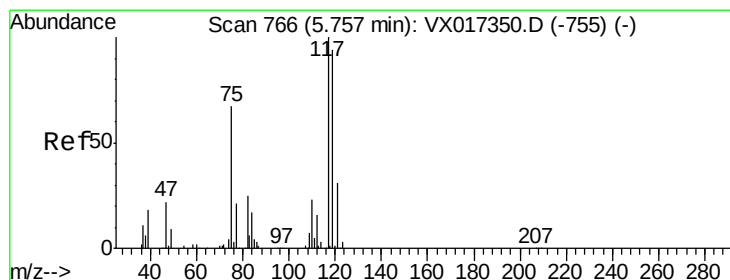
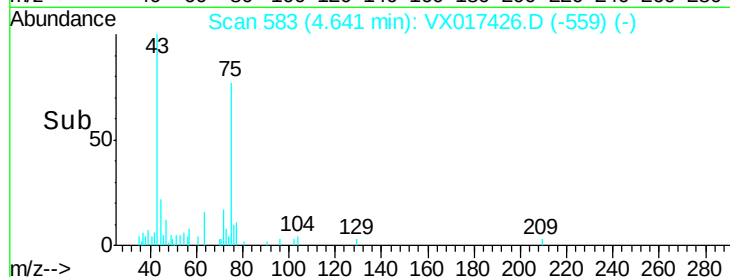
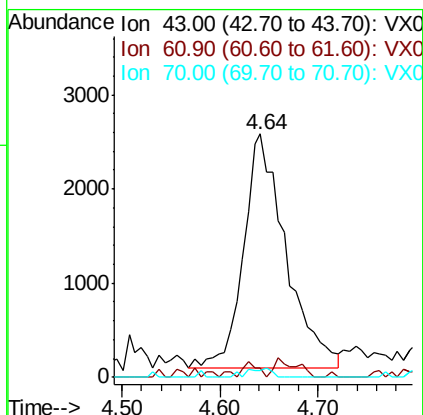
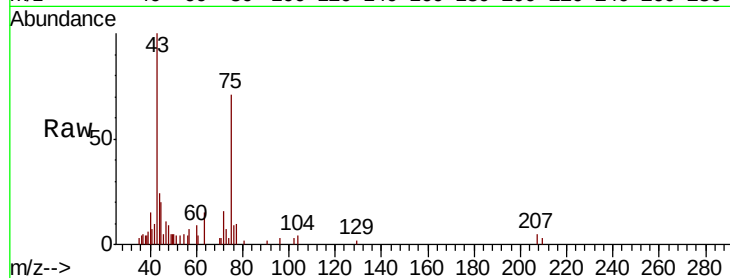




#37
Ethyl Acetate
Concen: 1.741 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

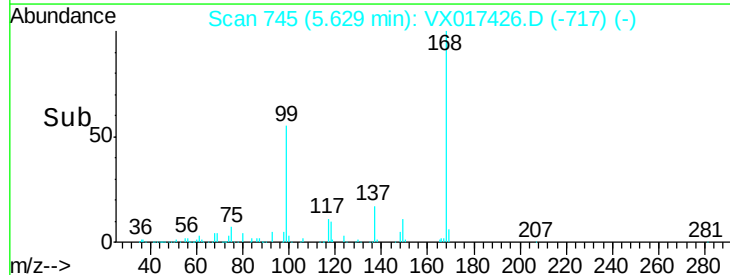
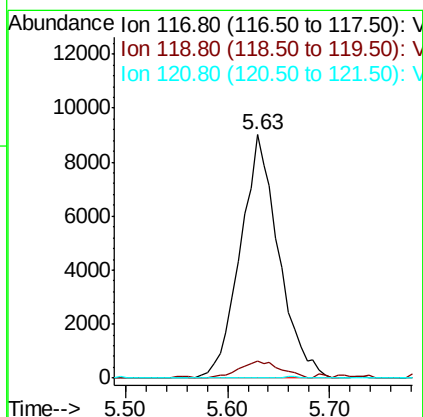
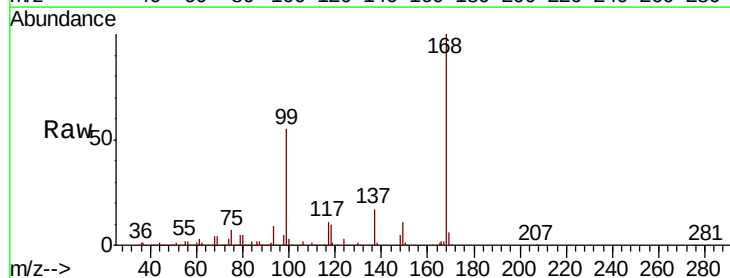
Instrument :
MSVOA_X
ClientSampleId :

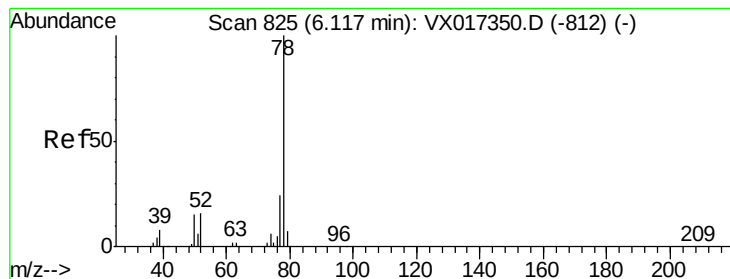
Tot Ion: 43 Resp: 7484
Ion Ratio Lower Upper
43 100
61 4.2 10.7 16.1#
70 2.2 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 4.840 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 117 Resp: 23555
Ion Ratio Lower Upper
117 100
119 6.1 74.7 112.1#
121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.848 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

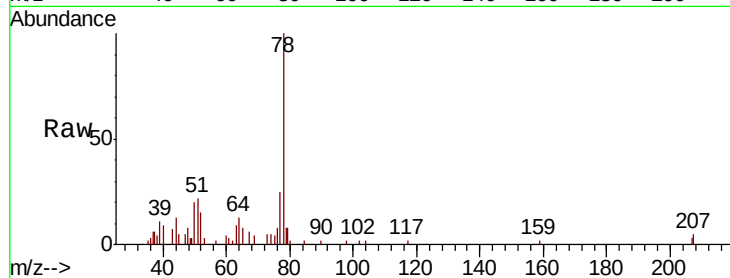
ClientSampleId :

Tot Ion: 78 Resp: 10127

Ion Ratio Lower Upper

78 100

77 25.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

4000

3000

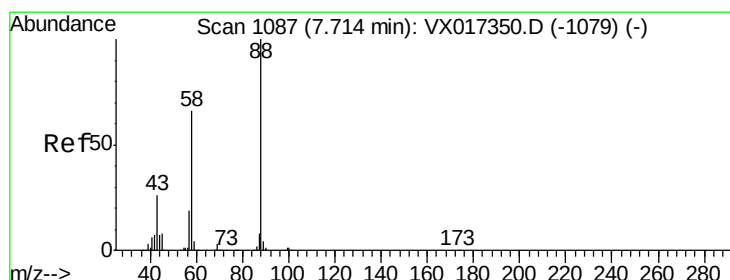
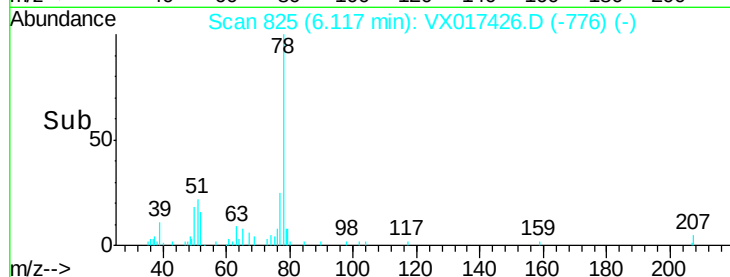
2000

1000

0

6.05 6.10 6.15 6.20

Time-->



#49

1,4-Dioxane

Concen: 0.993 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

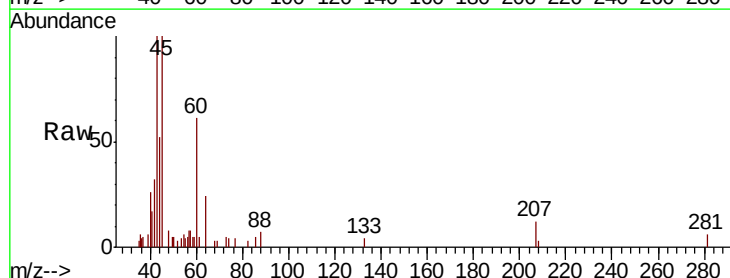
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 0.0 53.9 80.9#



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

2000

1500

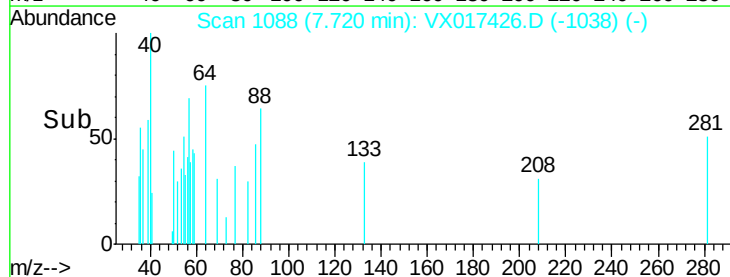
1000

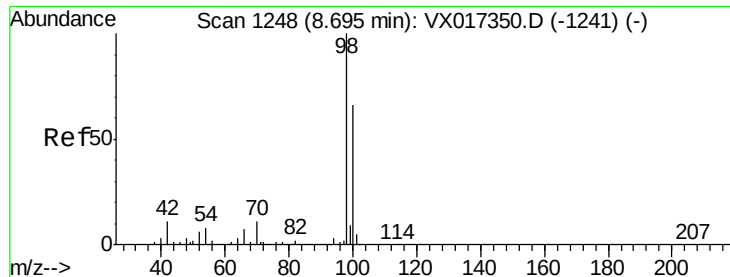
500

0

7.70 7.71 7.72 7.73 7.74

Time-->

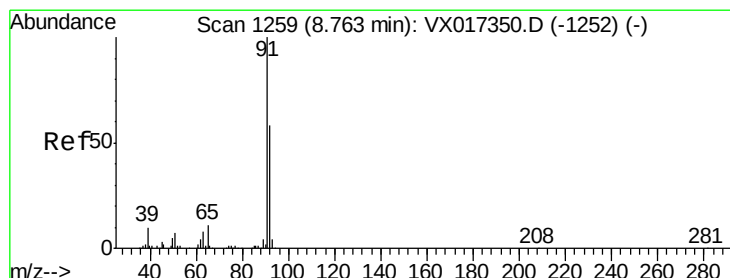
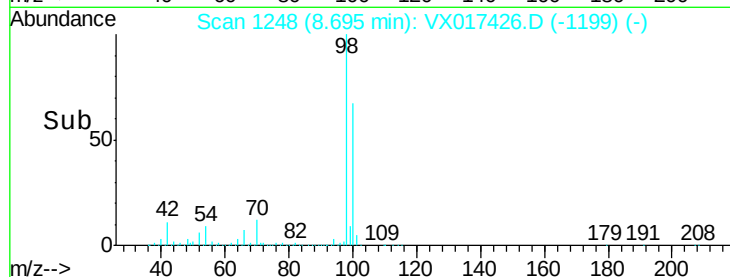
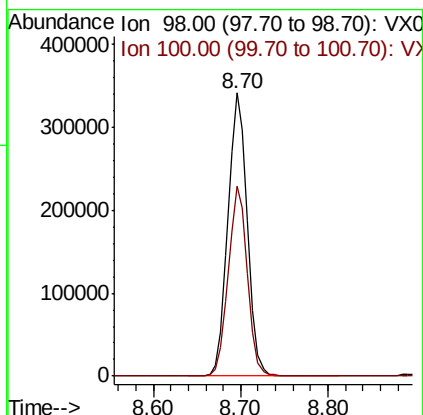
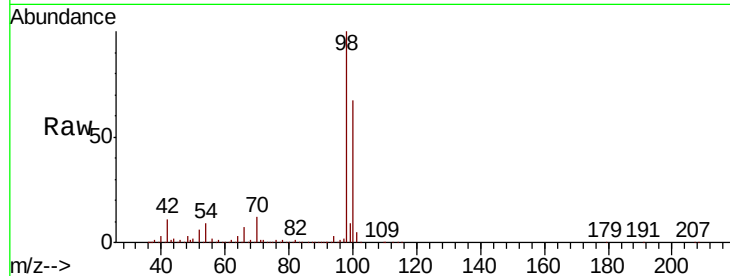




#50
Toluene-d8
Concen: 47.733 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

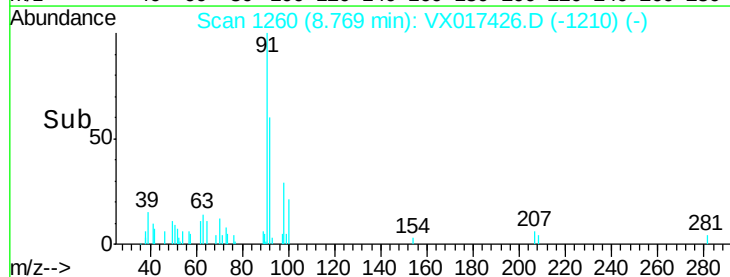
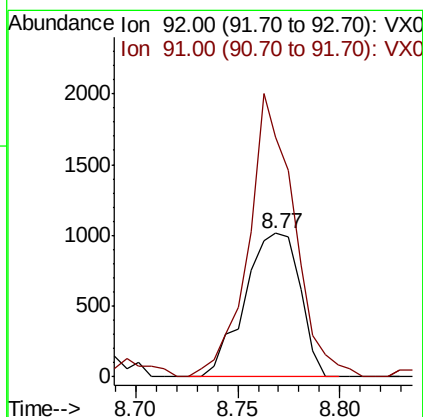
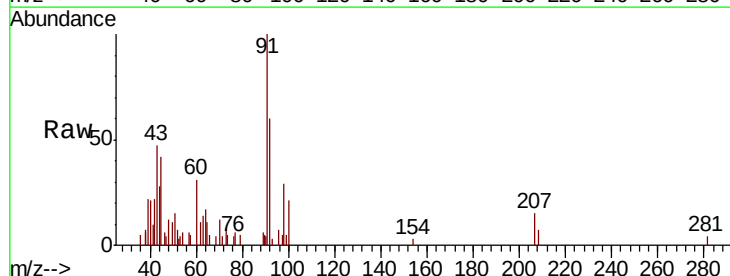
Instrument :
MSVOA_X
ClientSampleId :

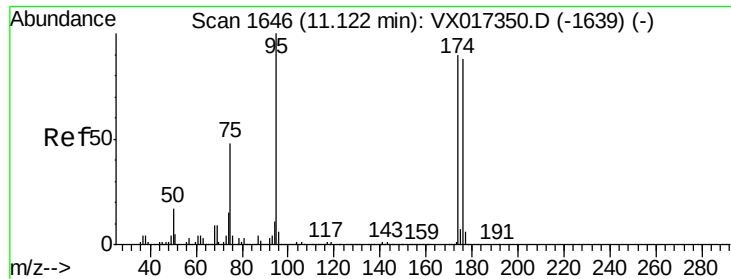
Tot Ion: 98 Resp: 524104
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.2



#52
Toluene
Concen: 0.250 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion: 92 Resp: 1918
Ion Ratio Lower Upper
92 100
91 162.9 136.7 205.1

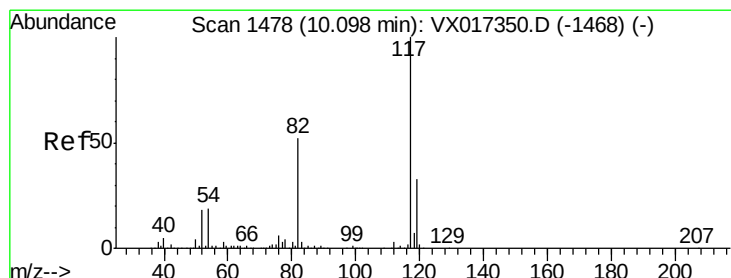
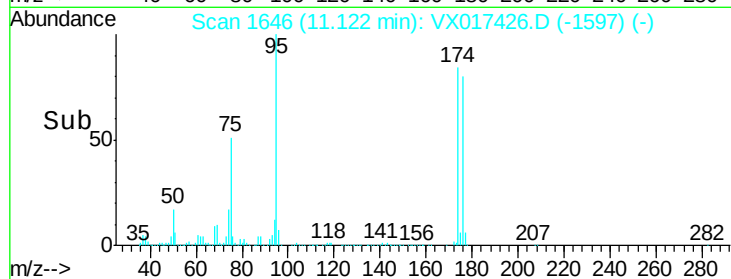
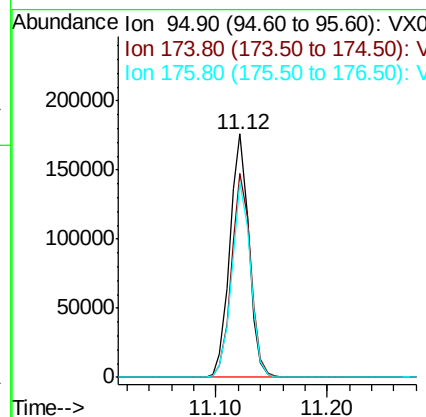
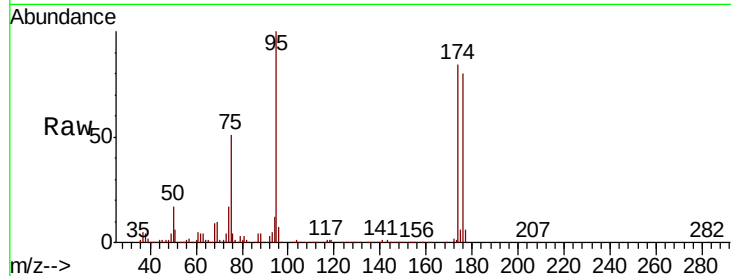




#62
4-Bromofluorobenzene
Concen: 47.864 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

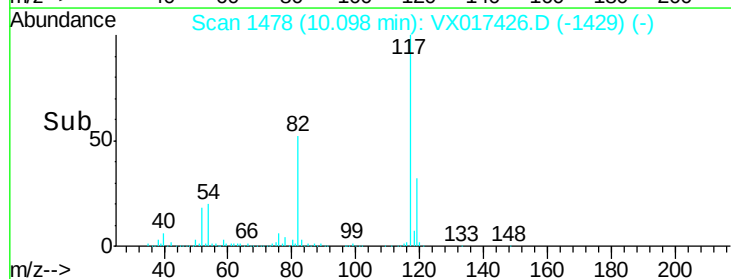
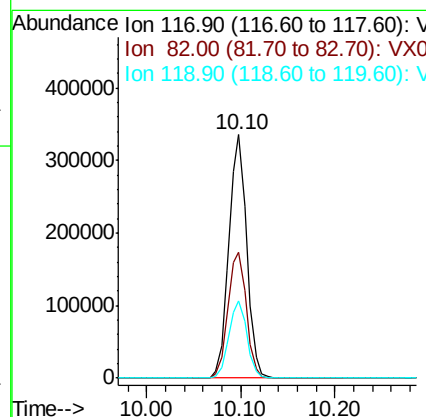
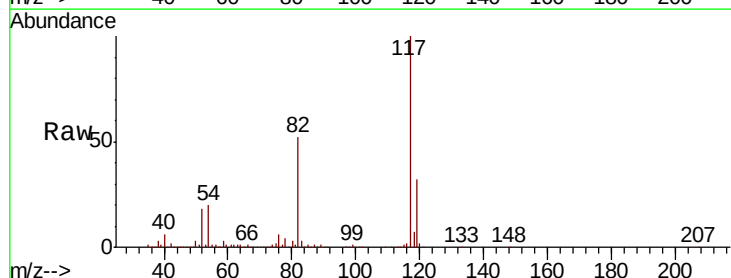
Instrument :
MSVOA_X
ClientSampleId :

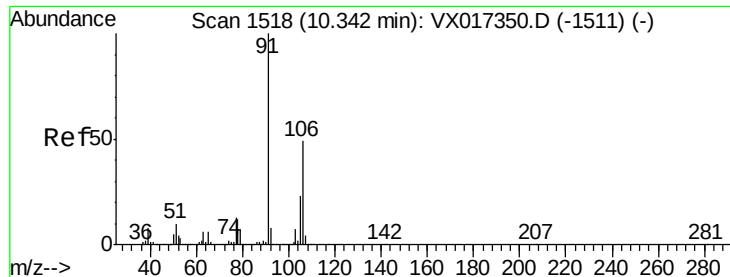
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	175.8
176	78.5	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017426.D
Acq: 17 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	31.9	26.3	39.5





#68

m/p-Xvlenes

Concen: 0.288 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

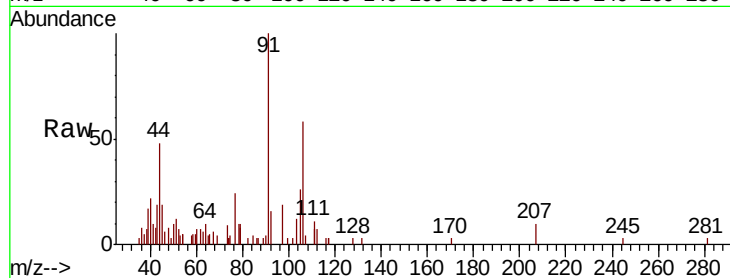
ClientSampleId :

Tot Ion:106 Resp: 1633

Ion Ratio Lower Upper

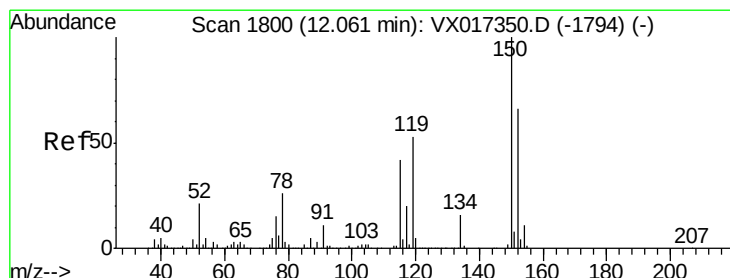
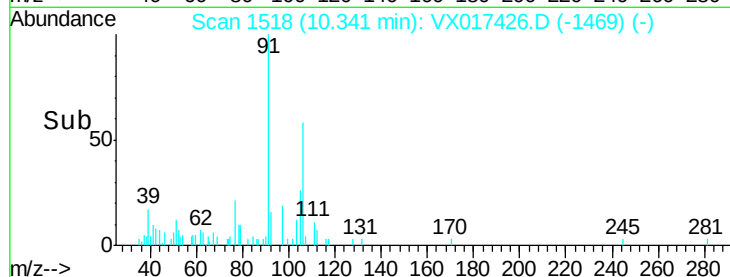
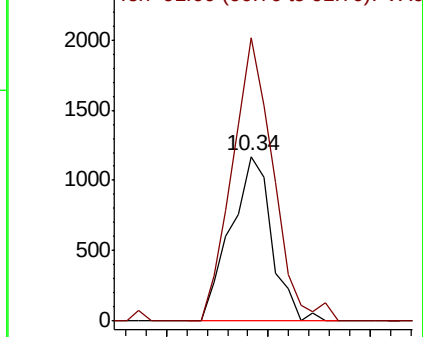
106 100

91 172.3 162.5 243.7



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

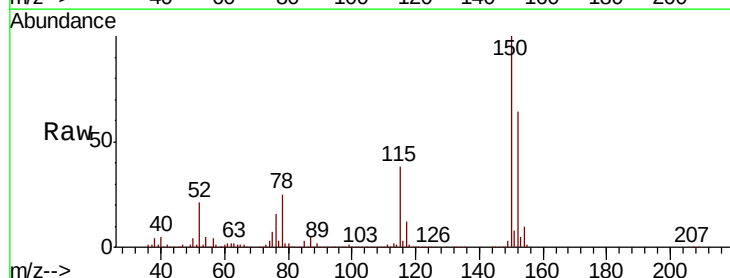
Tgt Ion:152 Resp: 225726

Ion Ratio Lower Upper

152 100

115 58.8 39.9 119.7

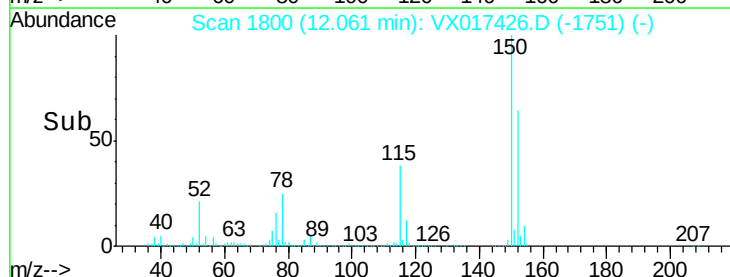
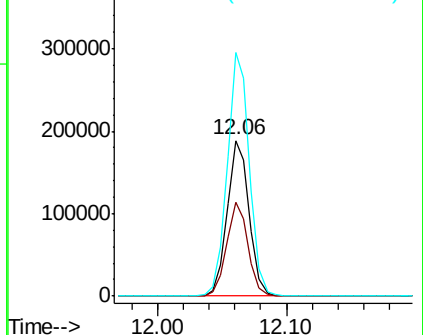
150 157.4 0.0 343.4

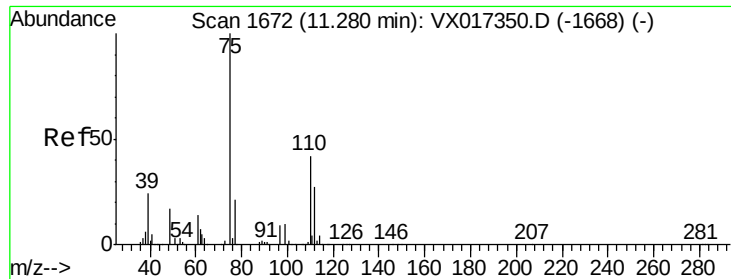


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

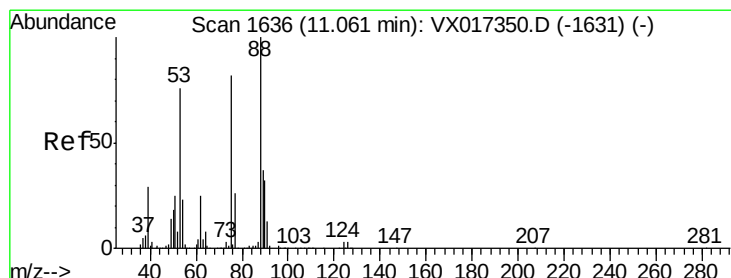
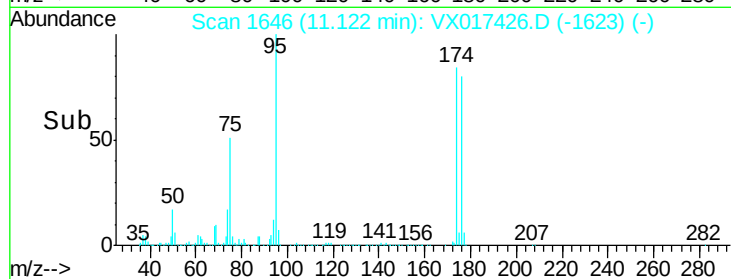
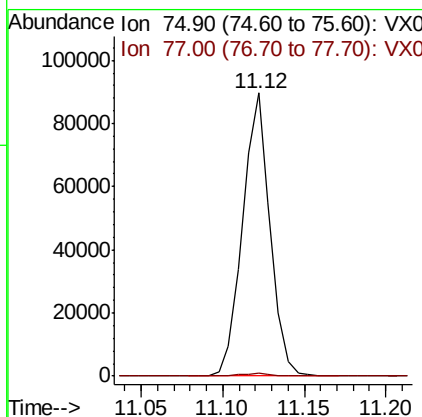
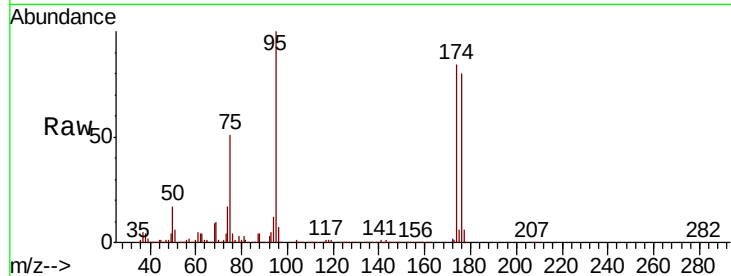




#76
 1,2,3-Trichloropropane
 Concen: 25.141 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

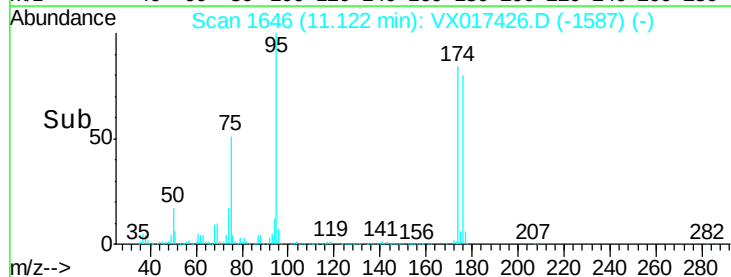
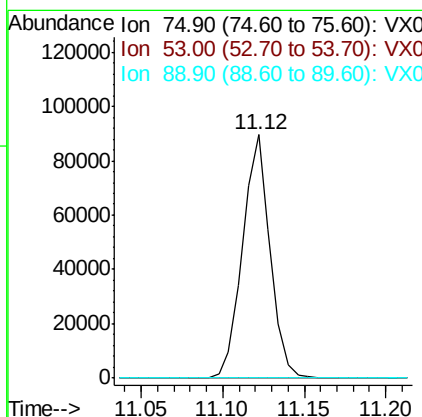
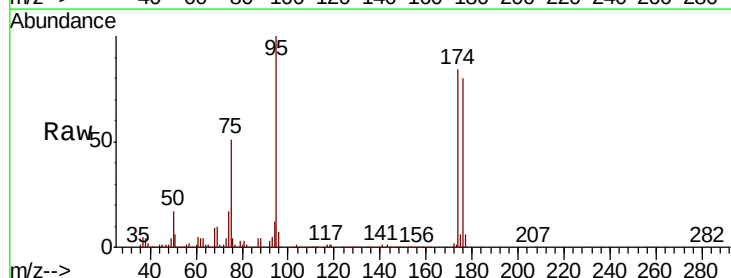
Instrument :
 MSVOA_X
 ClientSampled :

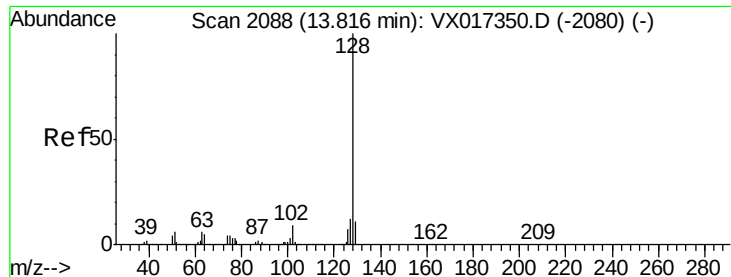
Tot Ion: 75 Resp: 104863
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.776 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017426.D
 Acq: 17 Jul 2020 17:42

Tgt Ion: 75 Resp: 104863
 Ion Ratio Lower Upper
 75 100
 53 0.6 76.5 114.7#
 89 0.1 38.1 57.1#





#95

Naphthalene

Concen: 10.092 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

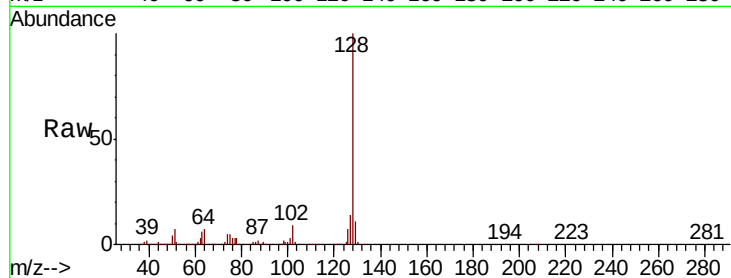
Lab File: VX017426.D

Acq: 17 Jul 2020 17:42

Instrument :

MSVOA_X

ClientSampleId :



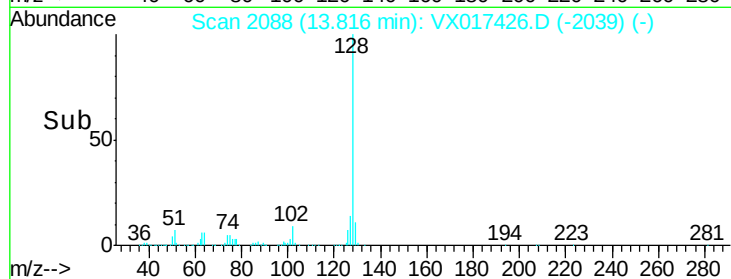
Tot Ion:128 Resp: 139548

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.9 8.9 13.3



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

