

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018117.D
 Acq On : 28 Aug 2020 13:58
 Operator : JC/SP
 Sample : L3827-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 789UMR-DSP01-01

Quant Time: Aug 29 03:05:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	624361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1031075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	974976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	440714	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	431044	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.47	113	345042	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	8.70	98	1280712	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.12	95	467061	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	

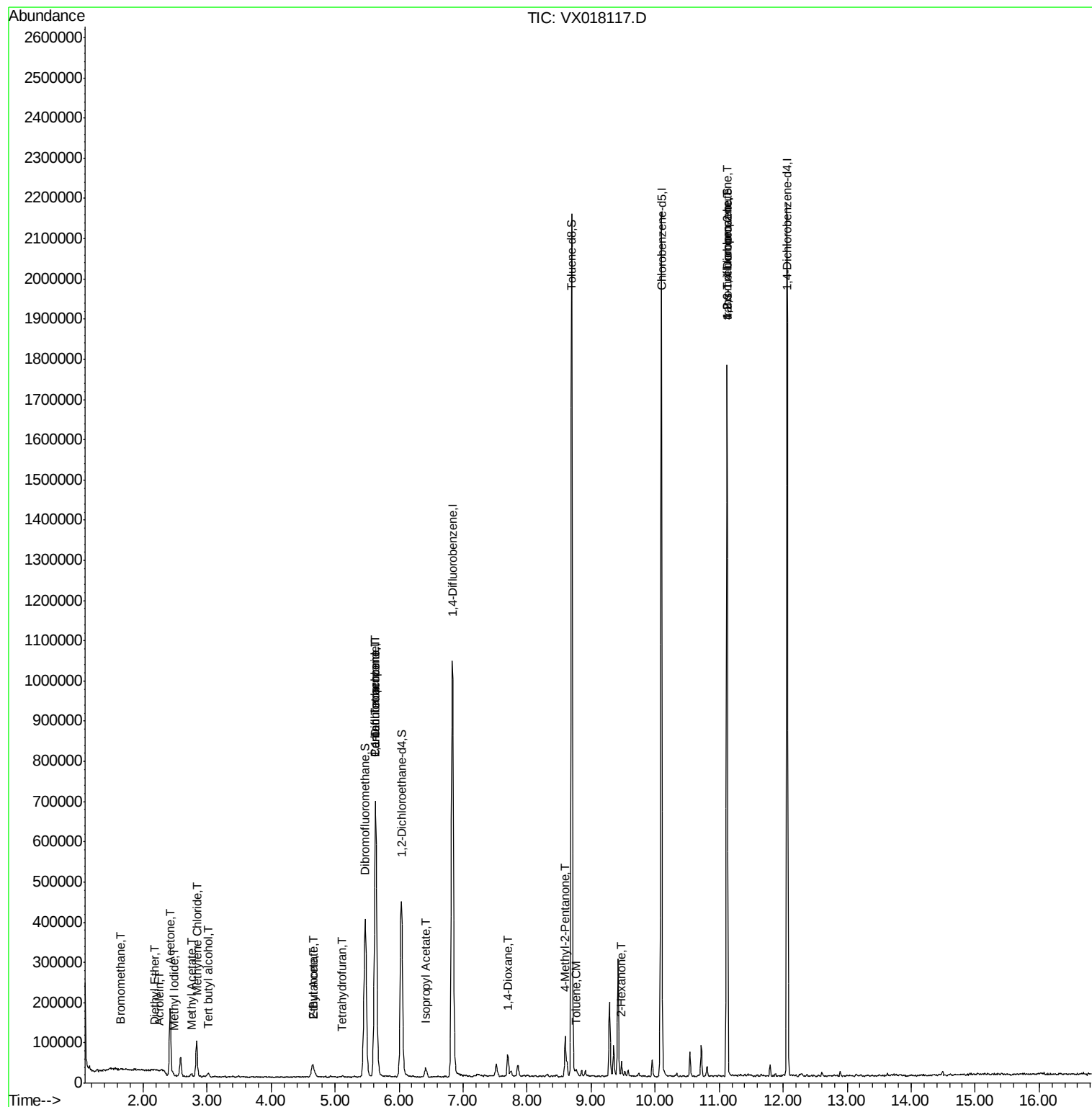
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1089	0.283	ug/l #	77
8) Diethyl Ether	2.18	74	1455	0.394	ug/l	85
10) Methyl Iodide	2.50	142	567	5.367	ug/l #	72
11) Tert butyl alcohol	3.02	59	11367	6.745	ug/l #	86
13) Acrolein	2.26	56	453	0.648	ug/l #	14
16) Acetone	2.42	43	176803	52.348	ug/l	97
18) Methyl Acetate	2.76	43	10356	1.271	ug/l #	87
20) Methylene Chloride	2.84	84	41807	5.003	ug/l	94
25) 2-Butanone	4.65	43	45904	8.270	ug/l	98
29) Tetrahydrofuran	5.11	42	2369	0.670	ug/l #	74
36) 1,1-Dichloropropene	5.63	75	48788	5.130	ug/l #	52
37) Ethyl Acetate	4.65	43	45904	4.156	ug/l #	73
38) Carbon Tetrachloride	5.63	117	64586	6.026	ug/l #	17
43) Isopropyl Acetate	6.42	43	32835	1.840	ug/l #	91
49) 1,4-Dioxane	7.70	88	327	2.033	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	52642	4.777	ug/l #	37
52) Toluene	8.77	92	3860	0.218	ug/l	97
59) 2-Hexanone	9.48	43	17198	2.052	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	234625	23.932	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	234625	64.636	ug/l #	12

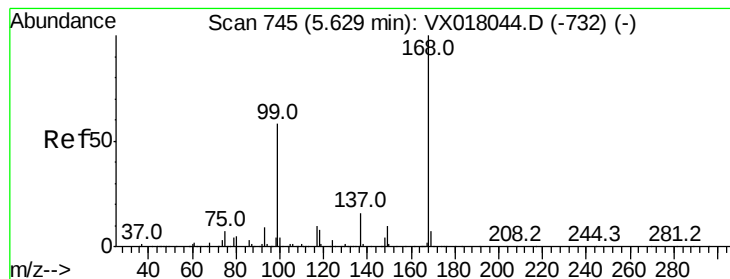
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

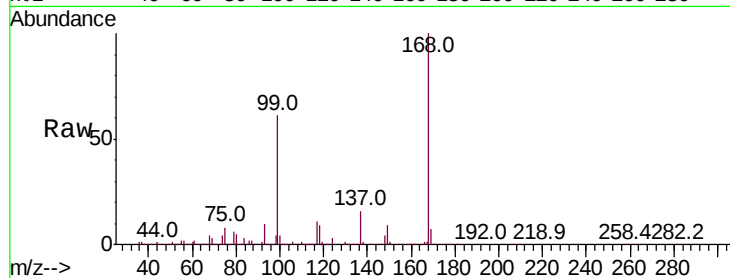
789UMR-DSP01-01

Tot Ion:168 Resp: 624361

Ion Ratio Lower Upper

168 100

99 60.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

150000

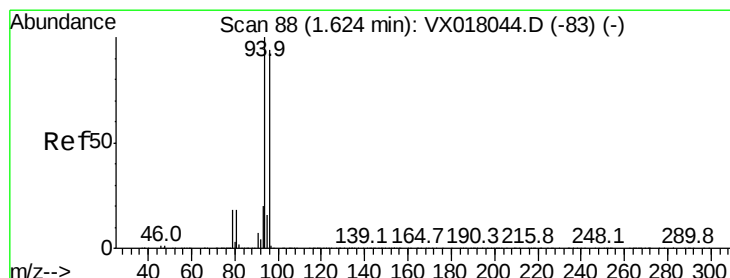
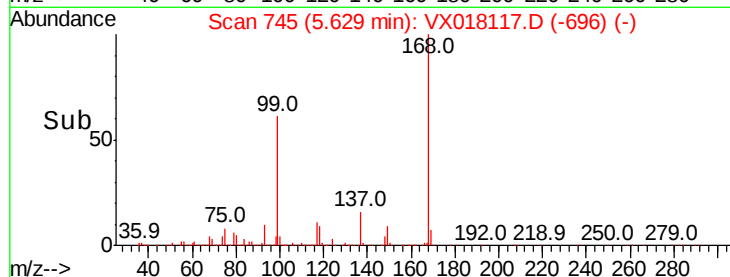
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018117.D

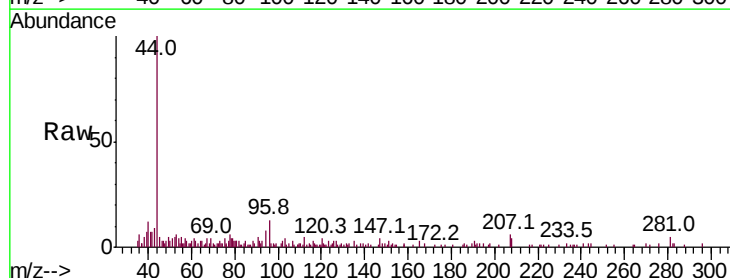
Acq: 28 Aug 2020 13:58

Tgt Ion: 94 Resp: 1089

Ion Ratio Lower Upper

94 100

96 115.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

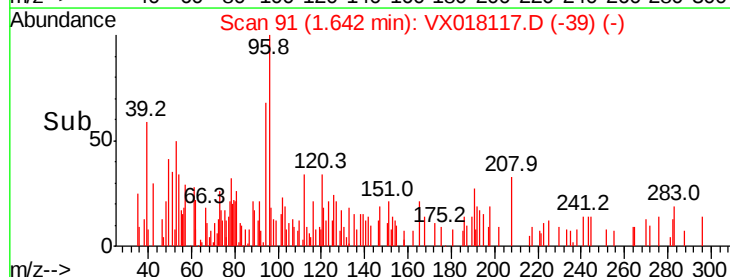
400

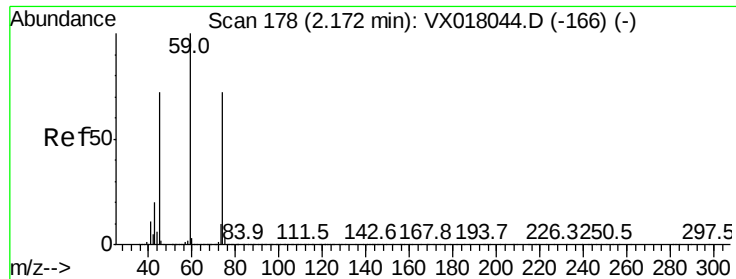
200

0

Time-->

1.60 1.65 1.70

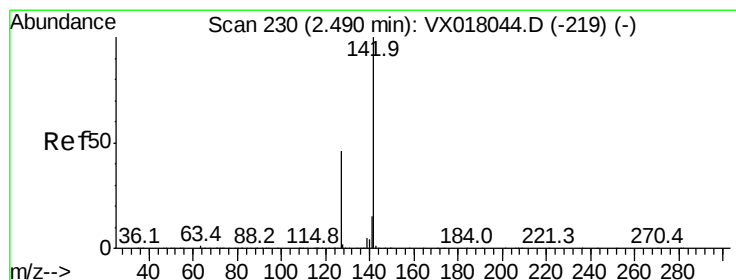
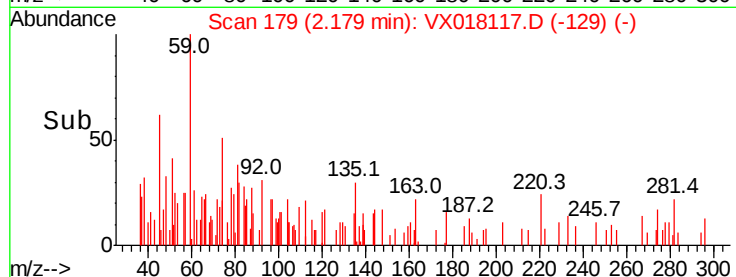
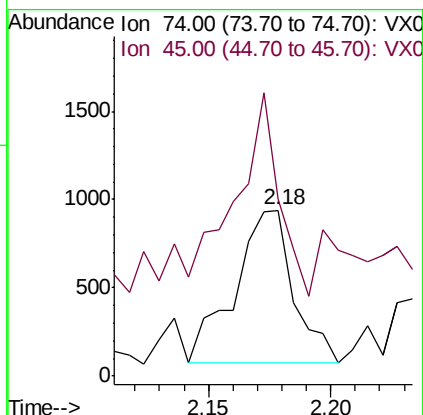
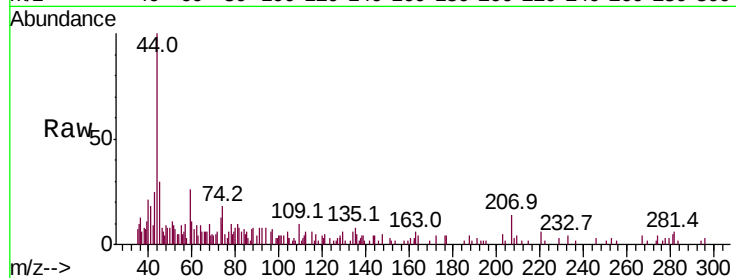




#8
Diethyl Ether
Concen: 0.394 ug/l
RT: 2.18 min Scan# 179
Delta R.T. 0.01 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

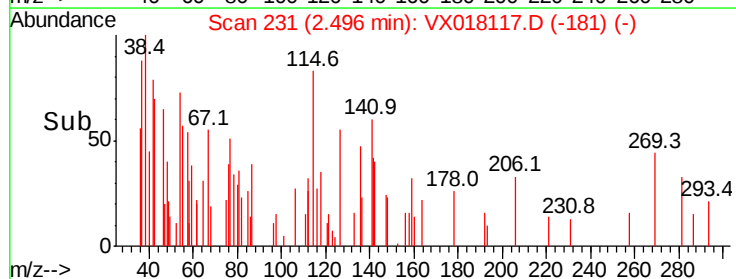
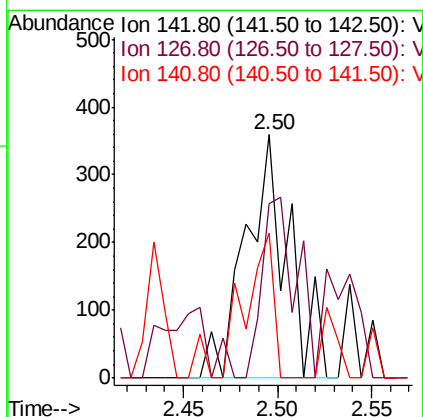
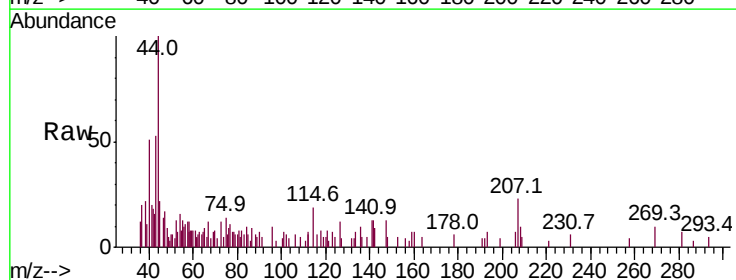
Instrument :
MSVOA_X
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789UMR-DSP01-01

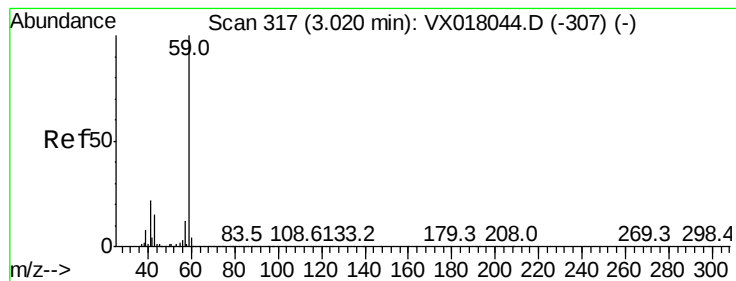
Tot Ion: 74 Resp: 1455
Ion Ratio Lower Upper
74 100
45 116.8 50.7 152.3



#10
Methyl Iodide
Concen: 5.367 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

Tgt Ion: 142 Resp: 567
Ion Ratio Lower Upper
142 100
127 58.7 37.0 55.6#
141 37.9 11.5 17.3#



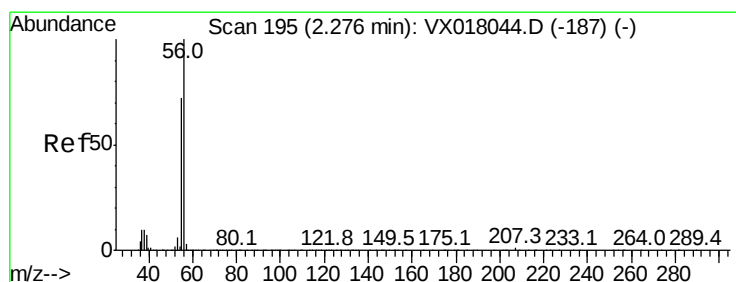
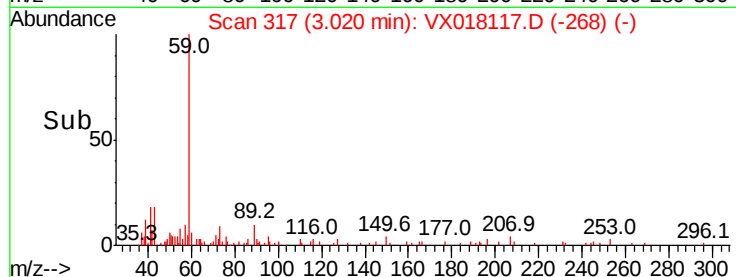
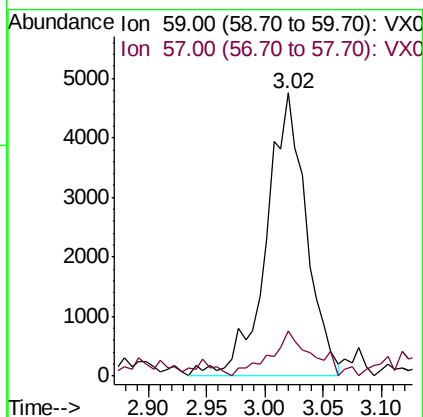
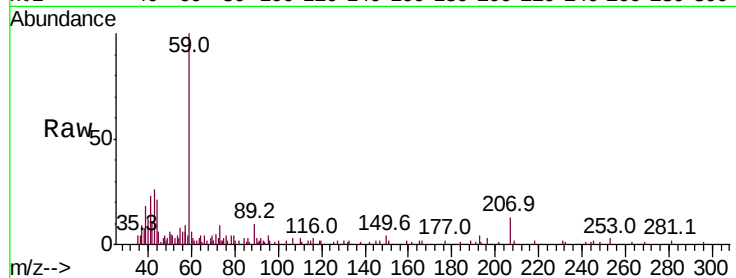


#11

Tert butyl alcohol
 Concen: 6.745 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX018117.D
 Acq: 28 Aug 2020 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 789UMR-DSP01-01

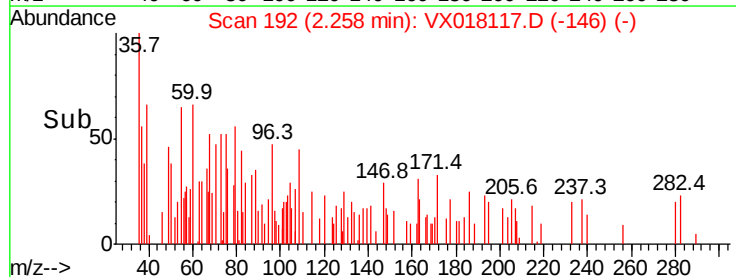
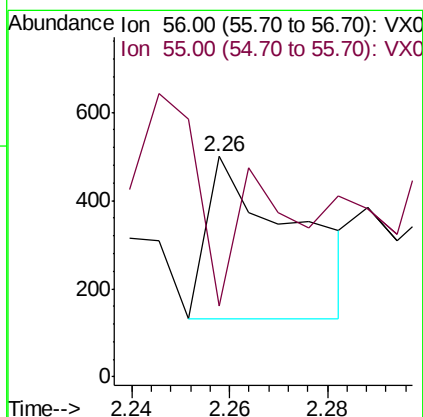
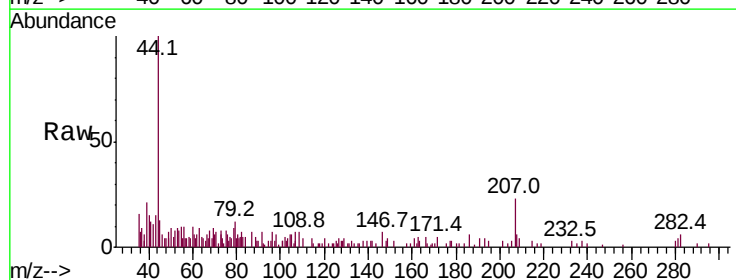
Tot Ion: 59 Resp: 11367
 Ion Ratio Lower Upper
 59 100
 57 16.6 8.9 13.3#

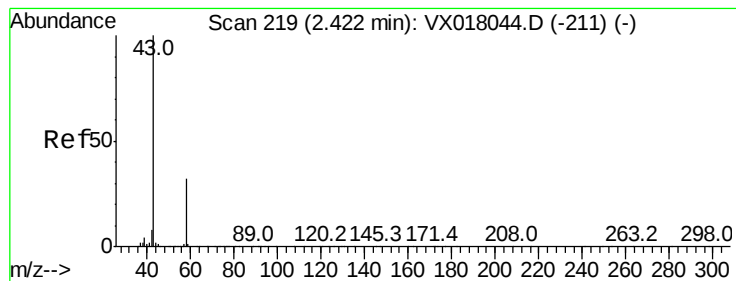


#13

Acrolein
 Concen: 0.648 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.02 min
 Lab File: VX018117.D
 Acq: 28 Aug 2020 13:58

Tgt Ion: 56 Resp: 453
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.6#





#16

Acetone

Concen: 52.348 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

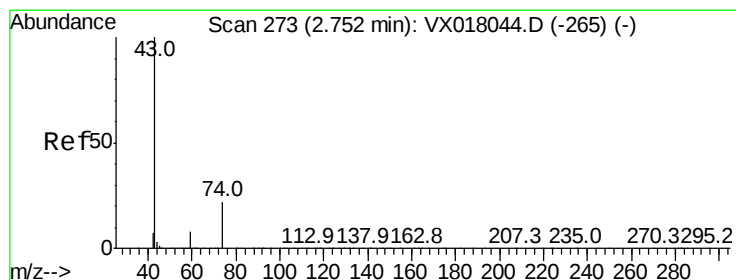
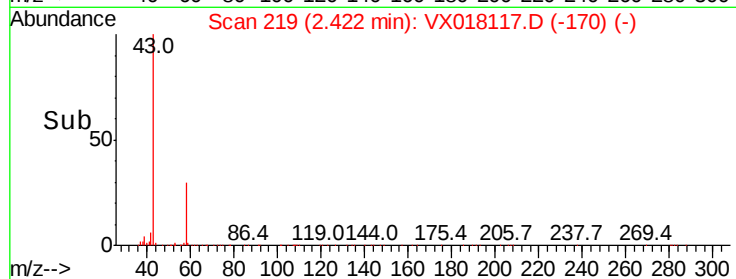
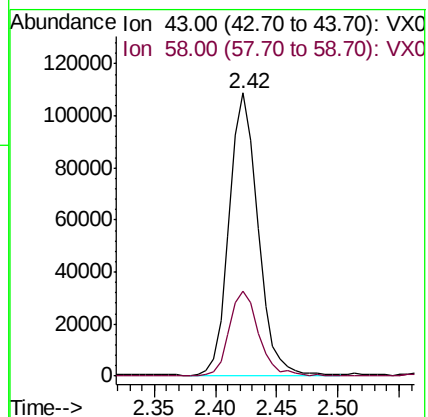
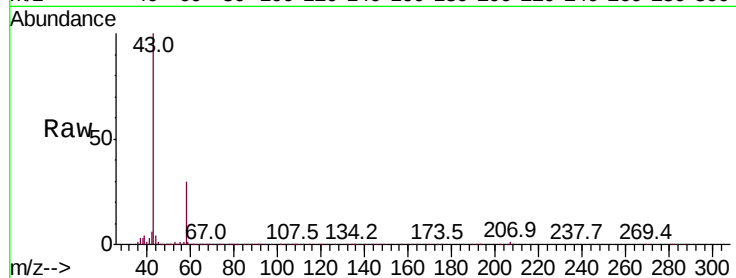
789UMR-DSP01-01

Tot Ion: 43 Resp: 176803

Ion Ratio Lower Upper

43 100

58 30.1 25.5 38.3



#18

Methyl Acetate

Concen: 1.271 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX018117.D

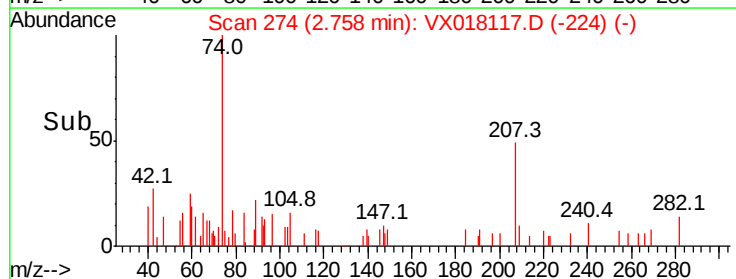
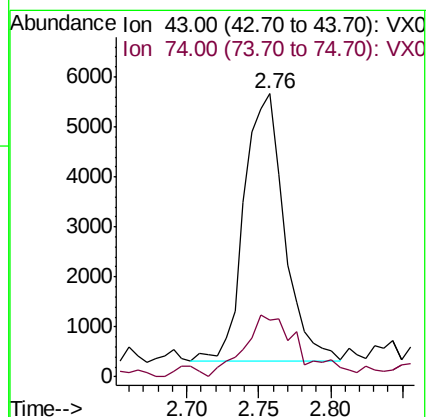
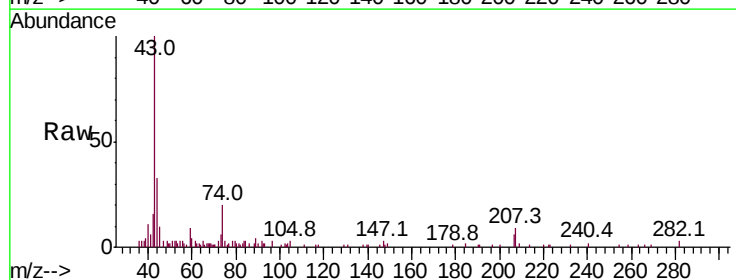
Acq: 28 Aug 2020 13:58

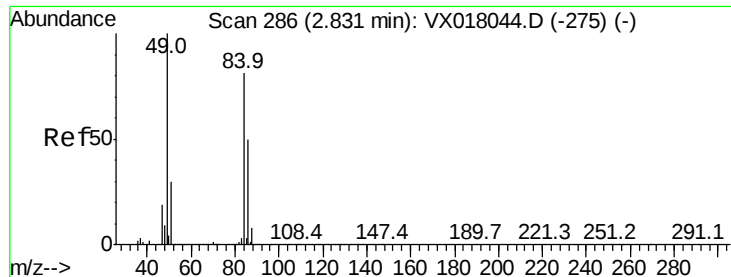
Tgt Ion: 43 Resp: 10356

Ion Ratio Lower Upper

43 100

74 29.0 18.2 27.4#

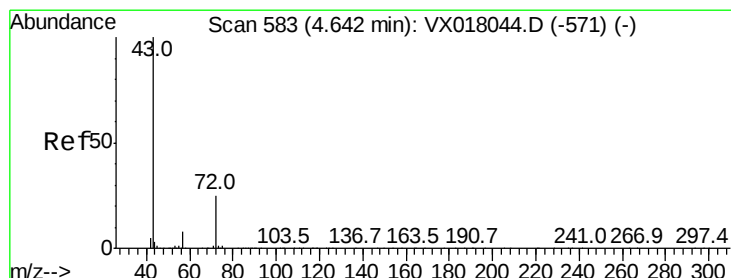
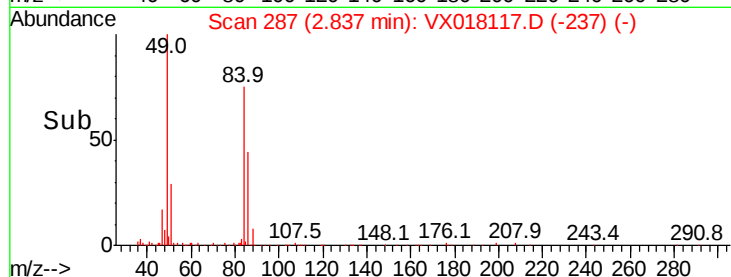
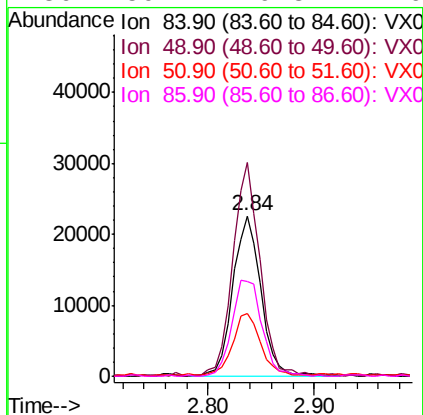
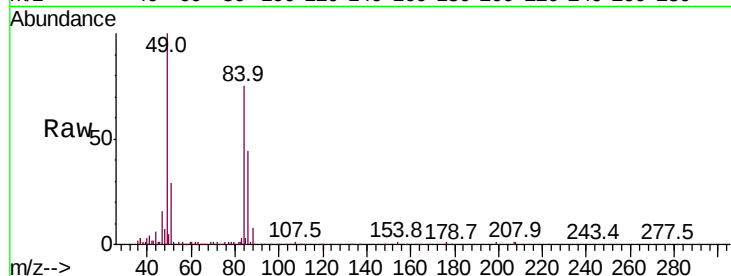




#20
Methvlene Chloride
Concen: 5.003 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

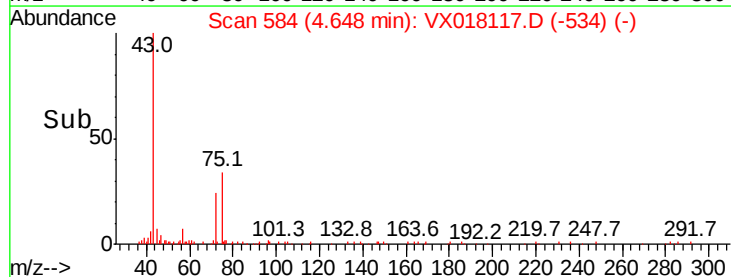
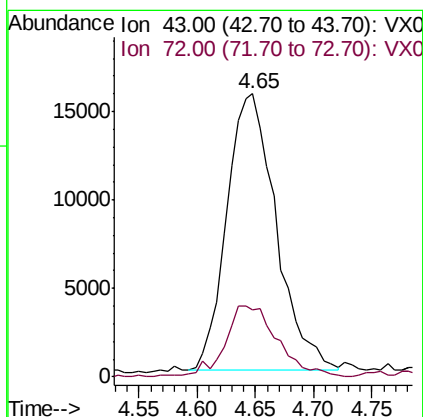
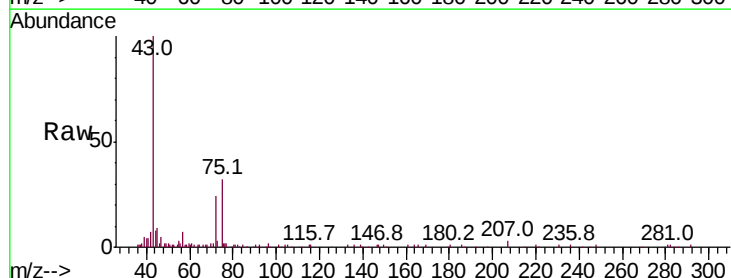
Instrument :
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ClientSampleId :
789UMR-DSP01-01

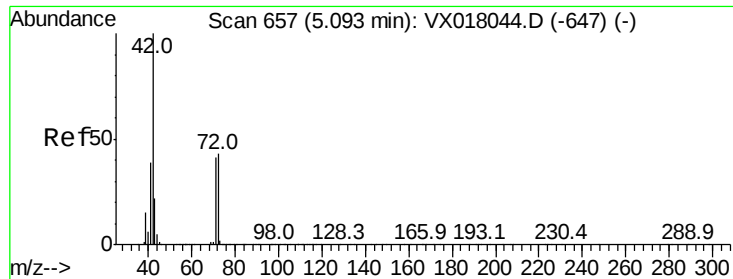
Tot Ion:	84	Resp:	41807
Ion	Ratio	Lower	Upper
84	100		
49	132.8	98.6	148.0
51	37.6	29.6	44.4
86	59.2	49.8	74.6



#25
2-Butanone
Concen: 8.270 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

Tgt Ion:	43	Resp:	45904
Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.8	29.6





#29

Tetrahydrofuran

Concen: 0.670 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP01-01

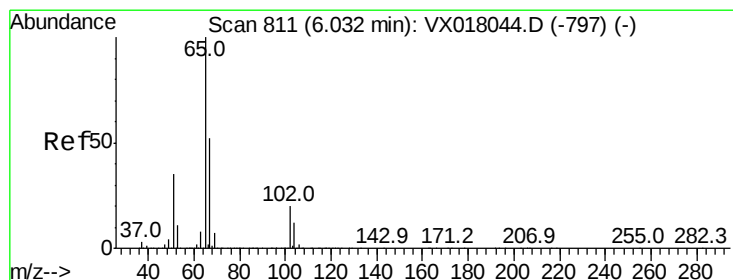
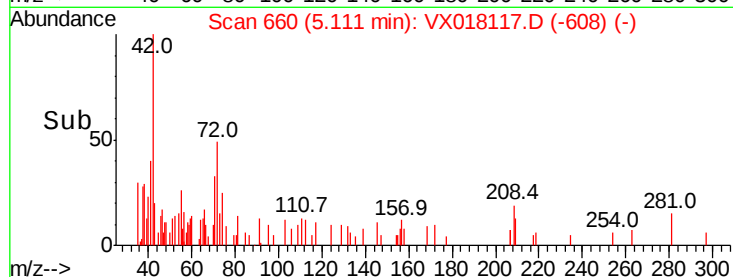
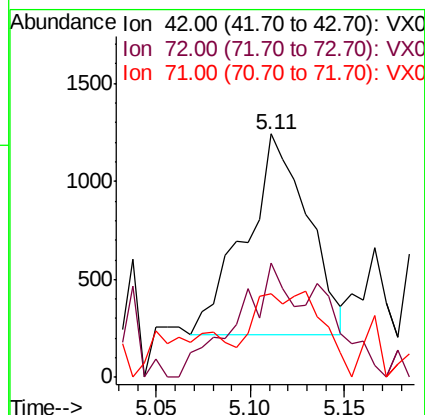
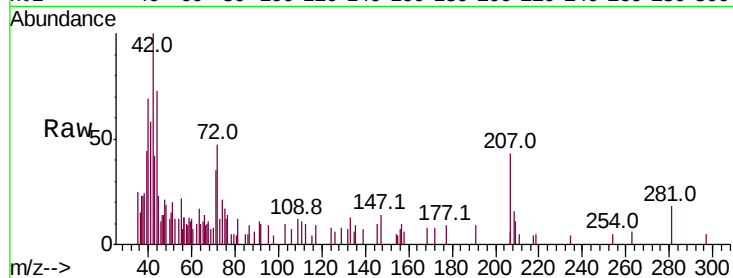
Tot Ion: 42 Resp: 2369

Ion Ratio Lower Upper

42 100

72 48.2 34.2 51.4

71 12.9 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 49.730 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018117.D

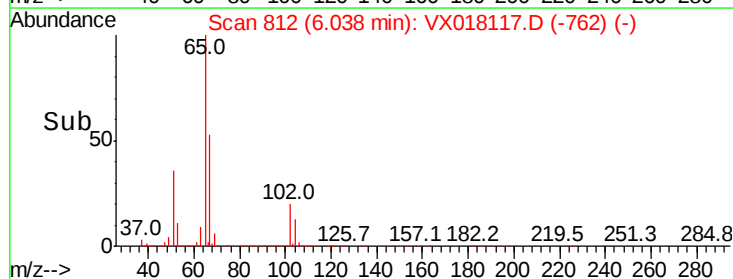
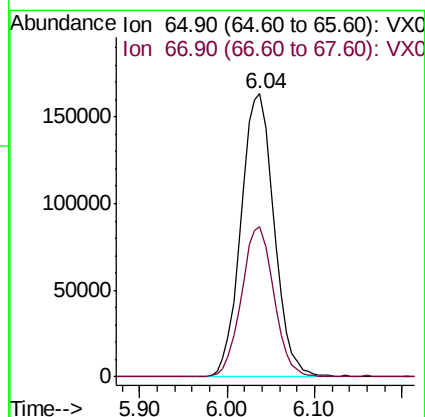
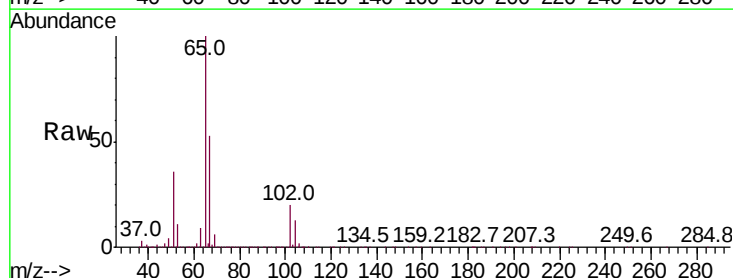
Acq: 28 Aug 2020 13:58

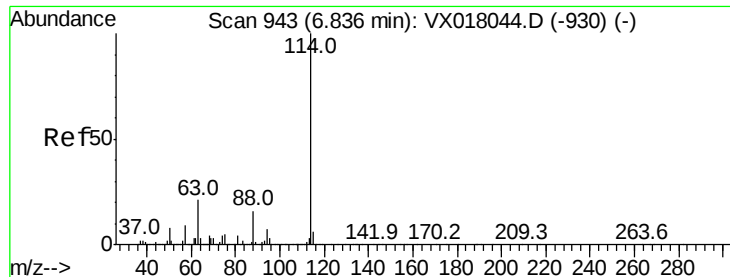
Tgt Ion: 65 Resp: 431044

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

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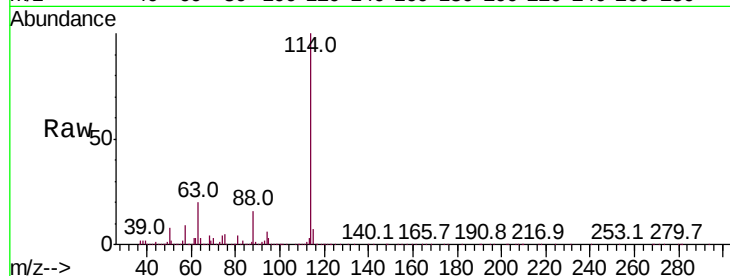
Tot Ion:114 Resp: 1031075

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

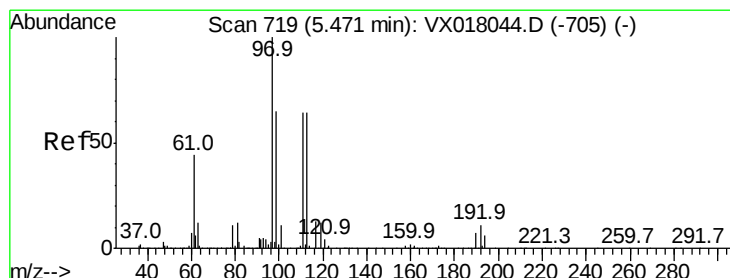
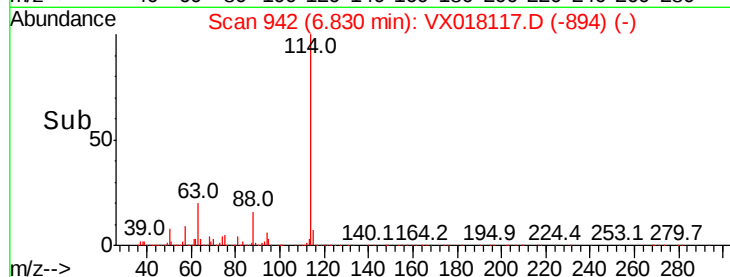
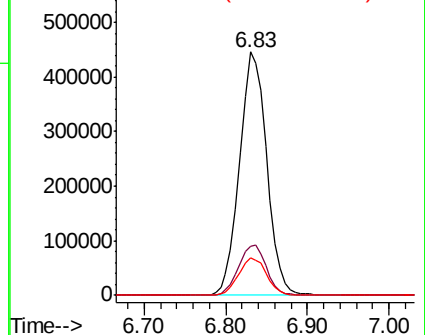
88 15.5 0.0 31.8



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: 49.136 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

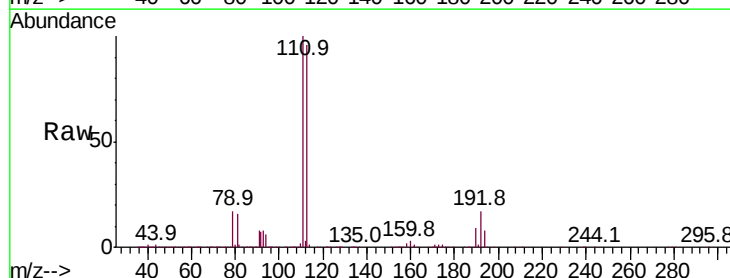
Tgt Ion:113 Resp: 345042

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

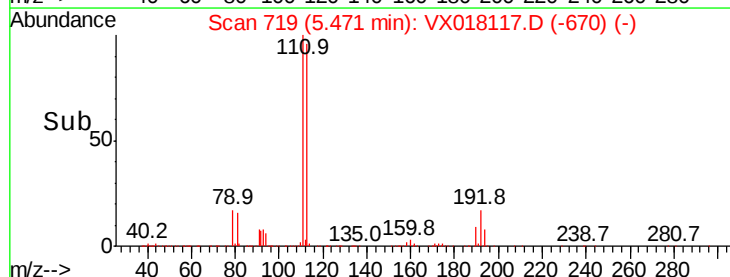
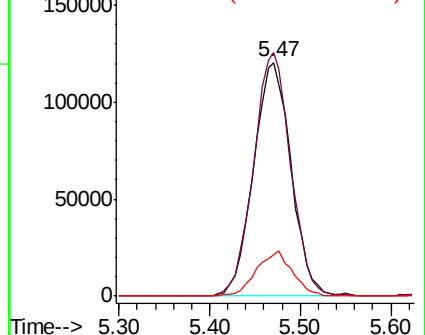
192 18.7 15.8 23.8

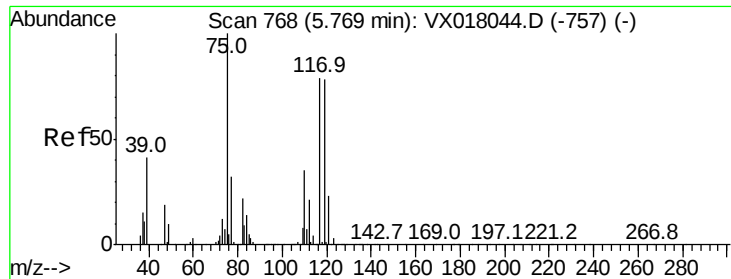


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP01-01

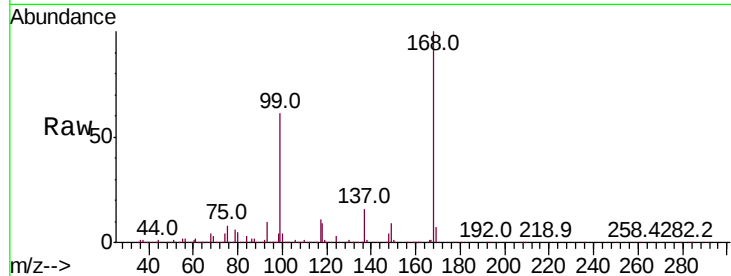
Tot Ion: 75 Resp: 48788

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

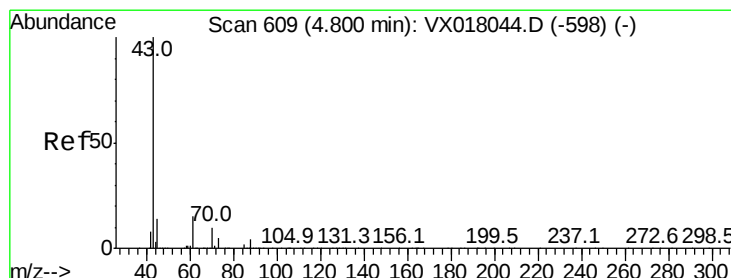
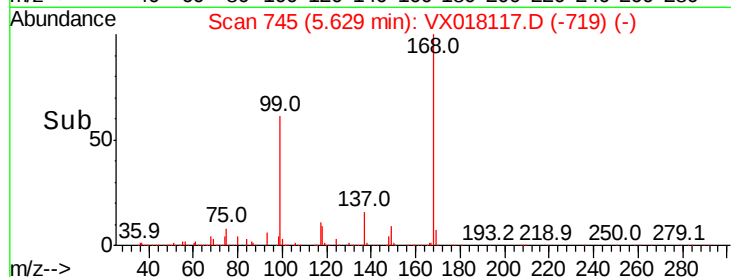
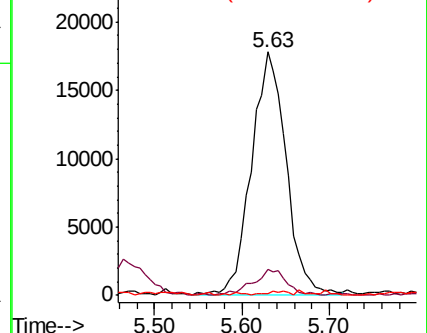
77 1.1 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 4.156 ug/l

RT: 4.65 min Scan# 584

Delta R.T. -0.15 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

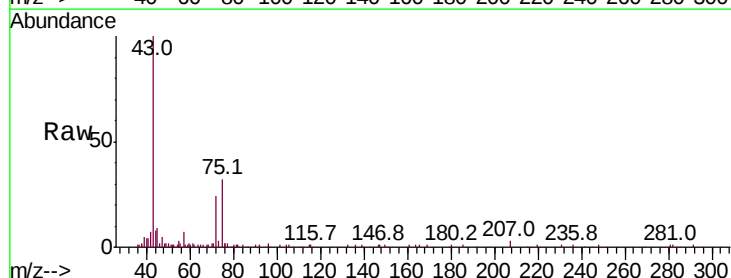
Tgt Ion: 43 Resp: 45904

Ion Ratio Lower Upper

43 100

61 2.6 11.3 16.9#

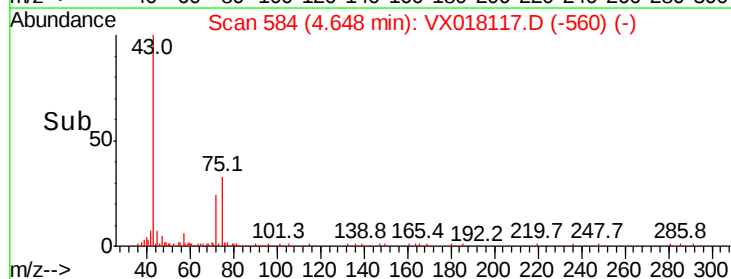
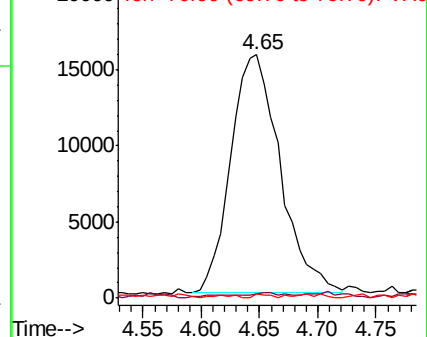
70 0.5 8.2 12.4#

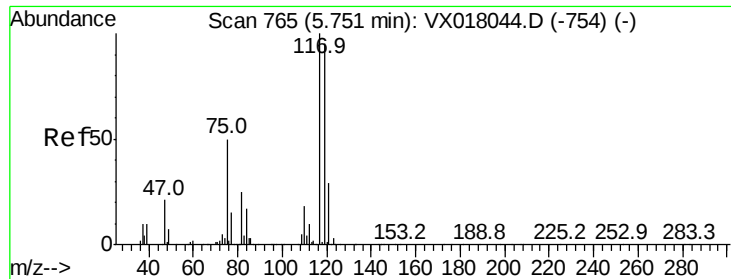


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP01-01

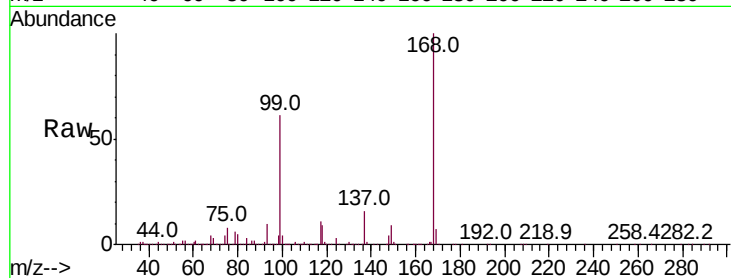
Tot Ion:117 Resp: 64586

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

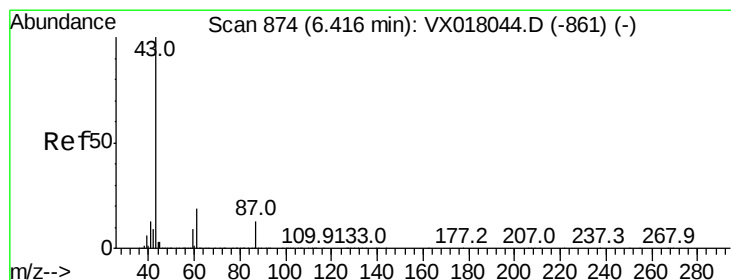
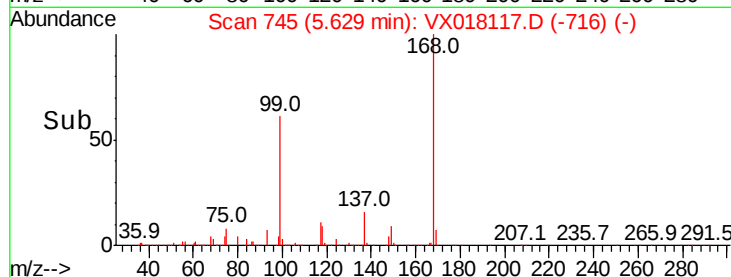
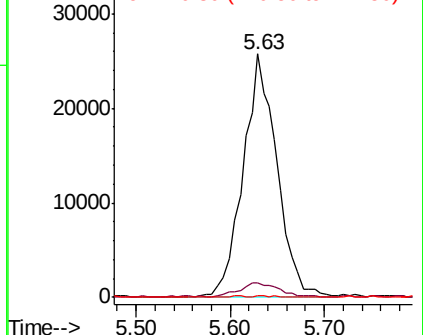
121 0.6 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.840 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

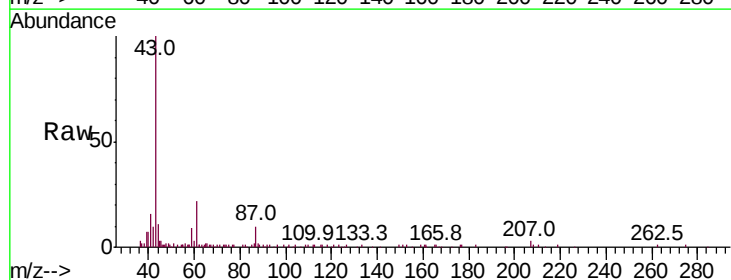
Tgt Ion: 43 Resp: 32835

Ion Ratio Lower Upper

43 100

61 24.7 15.7 23.5#

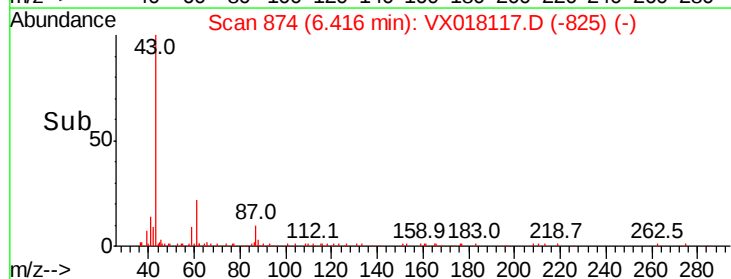
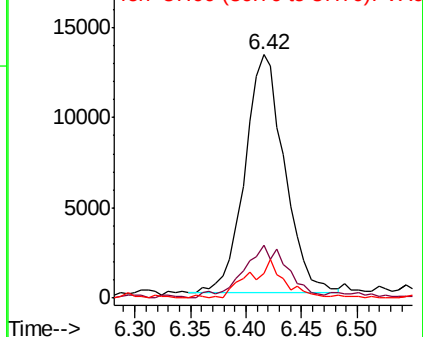
87 15.0 10.3 15.5

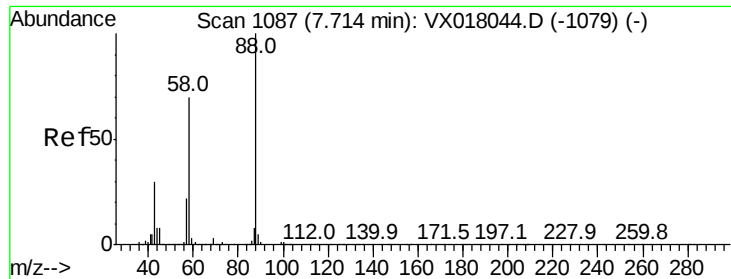


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

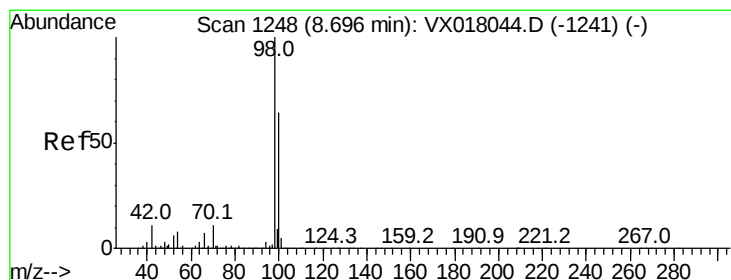
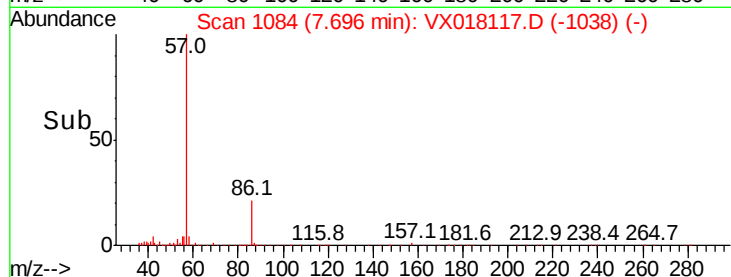
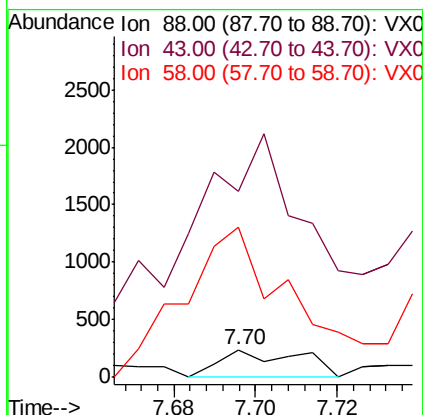
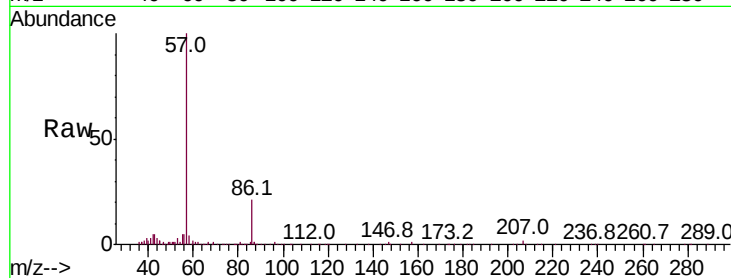




#49
1,4-Dioxane
Concen: 2.033 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

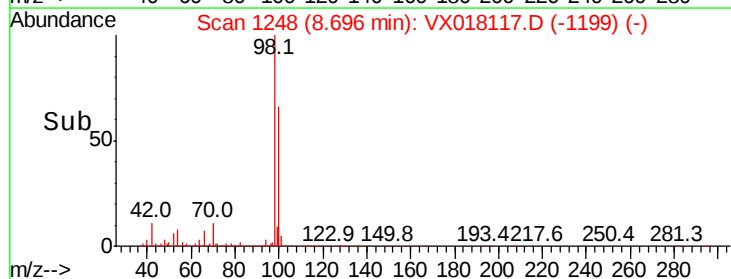
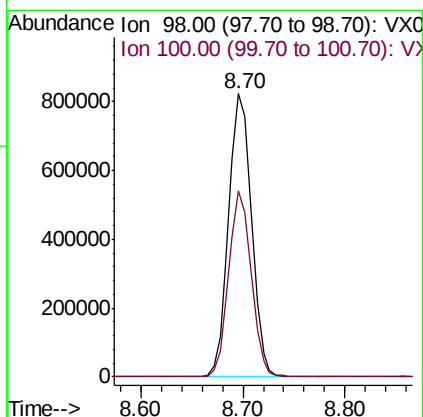
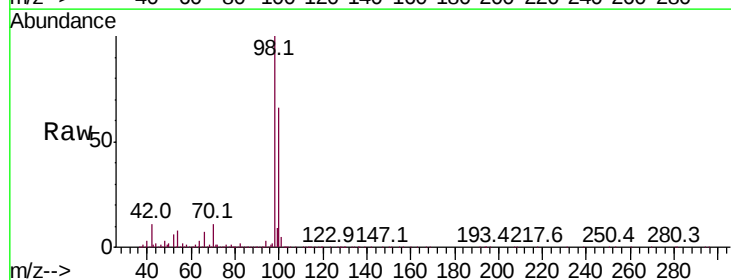
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP01-01

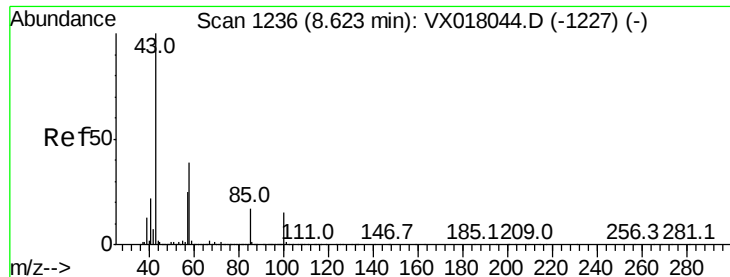
Tot Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 736.4 27.4 41.0#
58 775.2 56.4 84.6#



#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

Tgt Ion: 98 Resp: 1280712
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 4.777 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

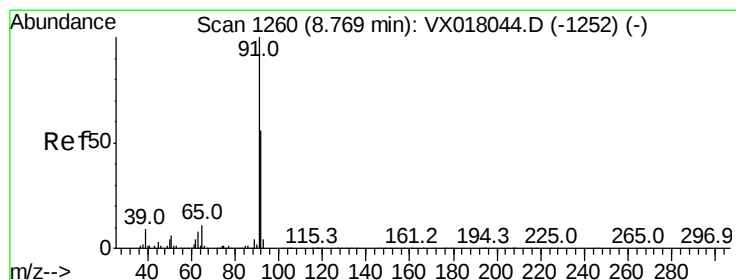
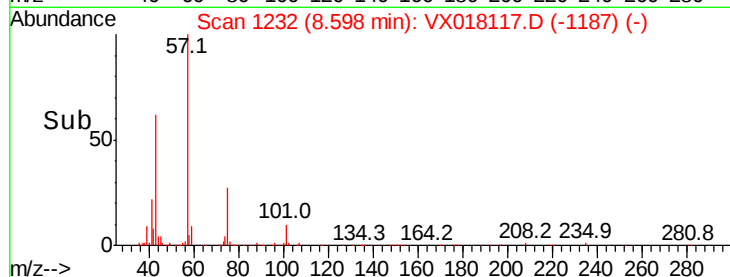
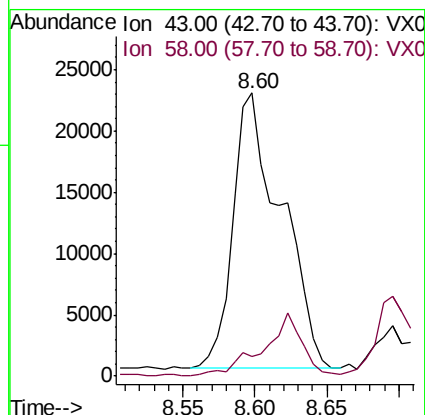
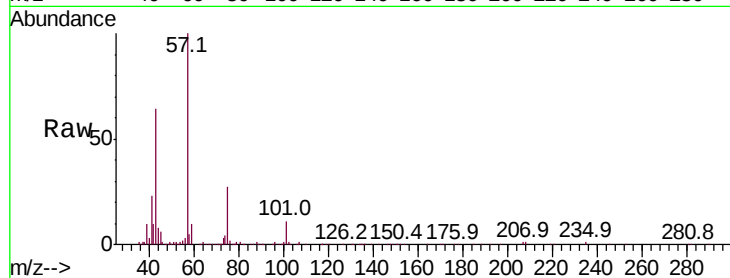
789UMR-DSP01-01

Tot Ion: 43 Resp: 52642

Ion Ratio Lower Upper

43 100

58 0.0 30.7 46.1#



#52

Toluene

Concen: 0.218 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018117.D

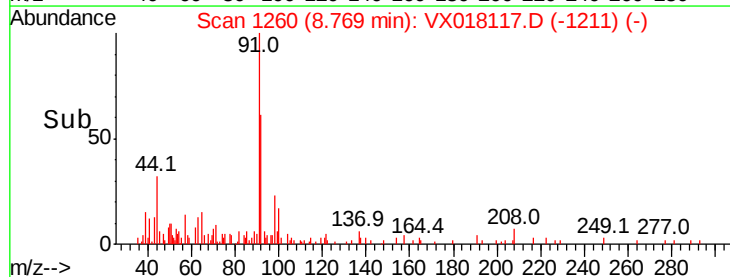
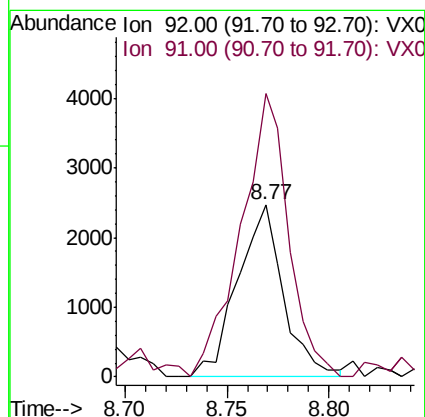
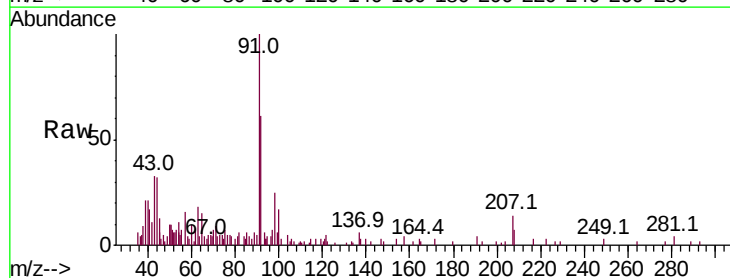
Acq: 28 Aug 2020 13:58

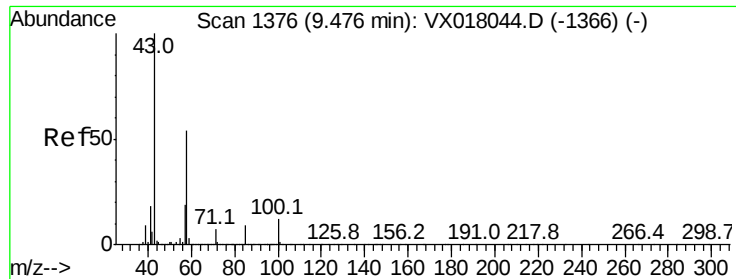
Tgt Ion: 92 Resp: 3860

Ion Ratio Lower Upper

92 100

91 171.2 140.3 210.5

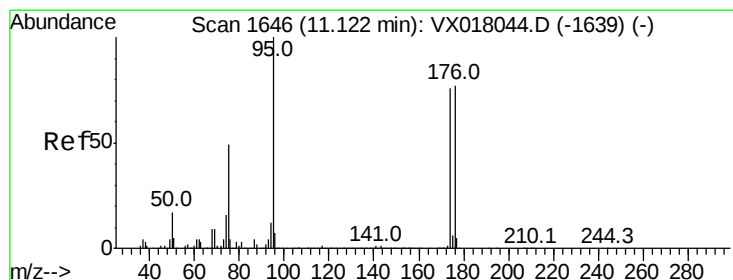
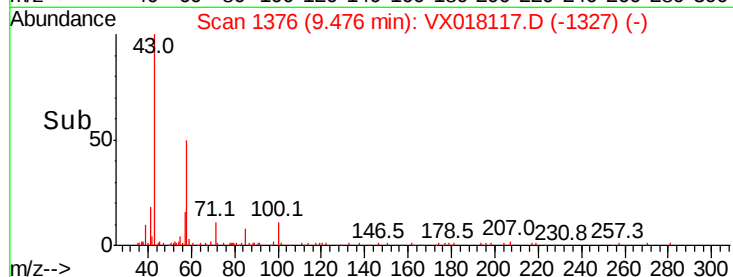
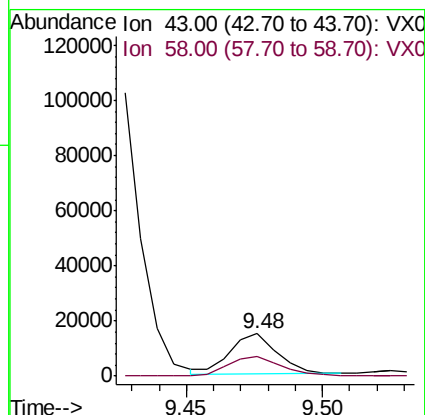
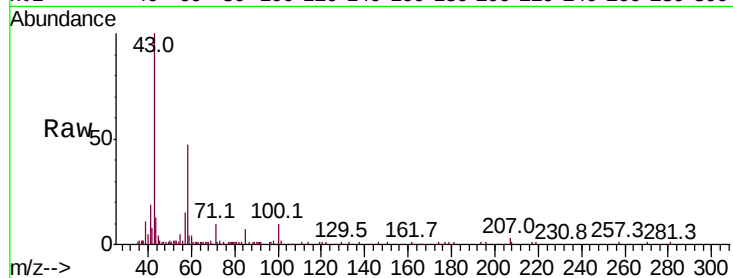




#59
2-Hexanone
Concen: 2.052 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

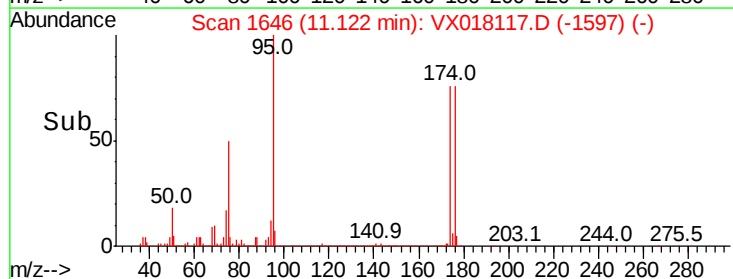
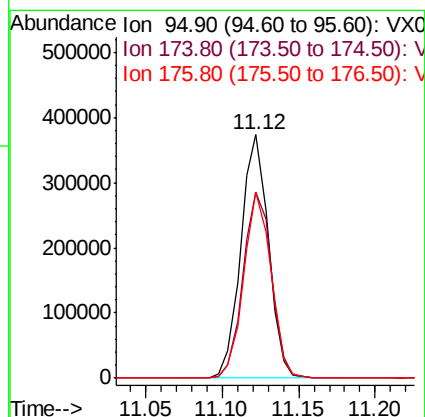
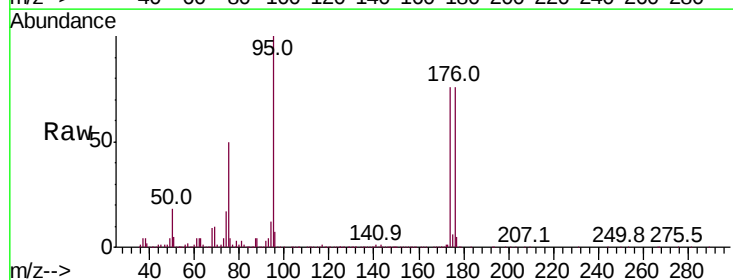
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP01-01

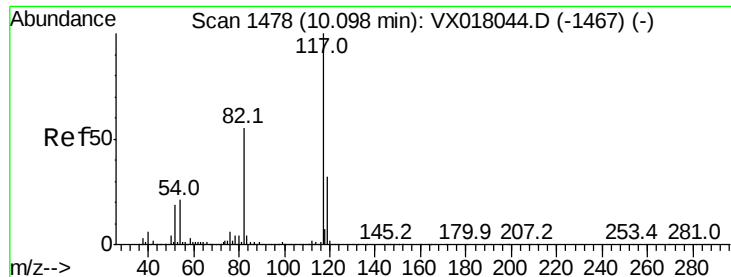
Tot Ion: 43 Resp: 17198
Ion Ratio Lower Upper
43 100
58 56.6 26.6 79.7



#62
4-Bromofluorobenzene
Concen: 45.389 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

Tgt Ion: 95 Resp: 467061
Ion Ratio Lower Upper
95 100
174 78.5 0.0 160.2
176 75.7 0.0 155.8

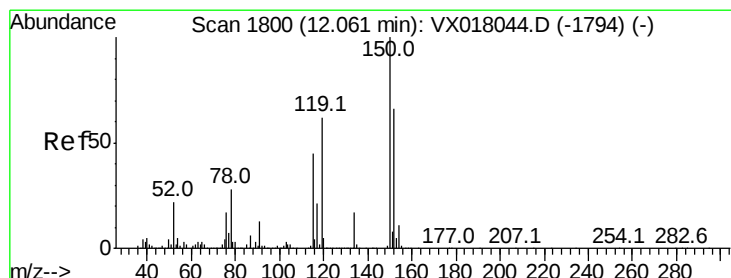
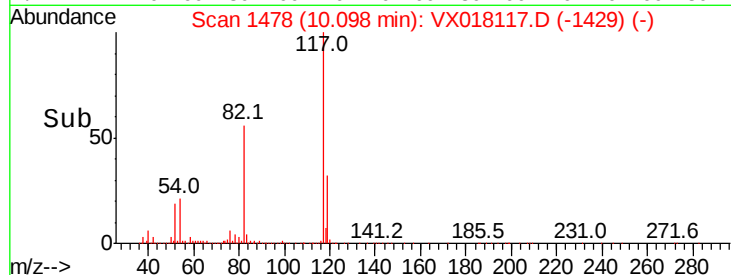
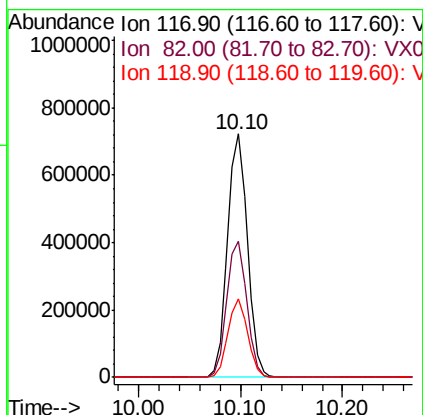
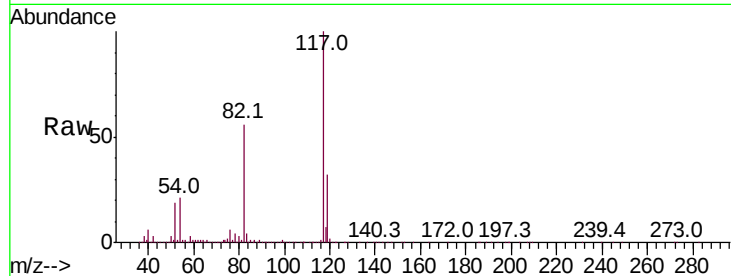




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

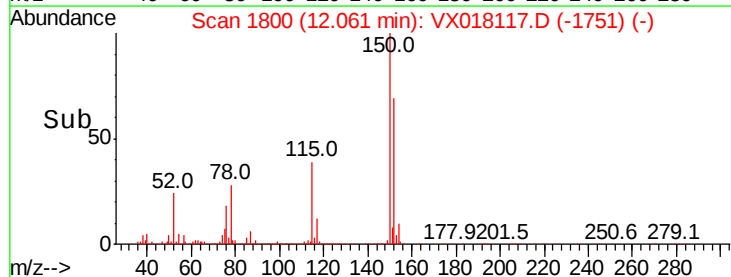
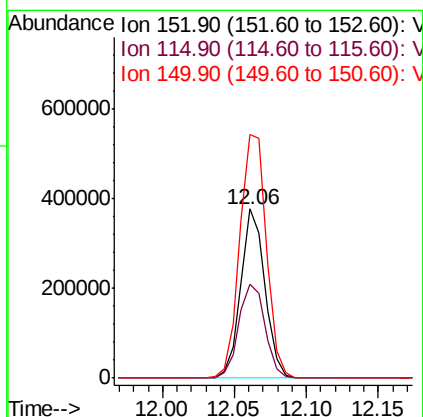
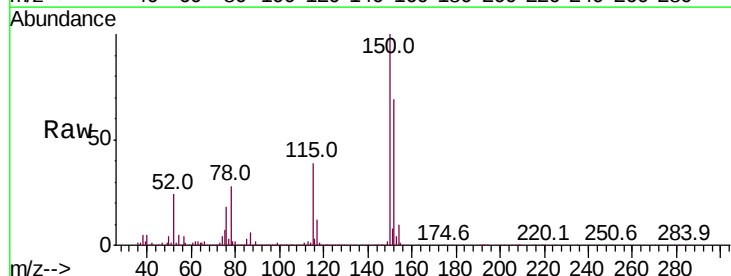
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP01-01

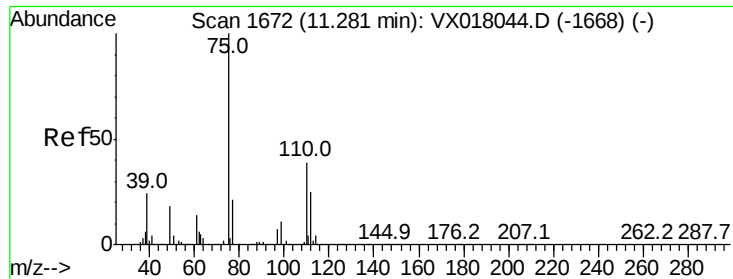
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.2	66.2
119	32.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018117.D
Acq: 28 Aug 2020 13:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	41.5	124.5
150	158.7	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.932 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

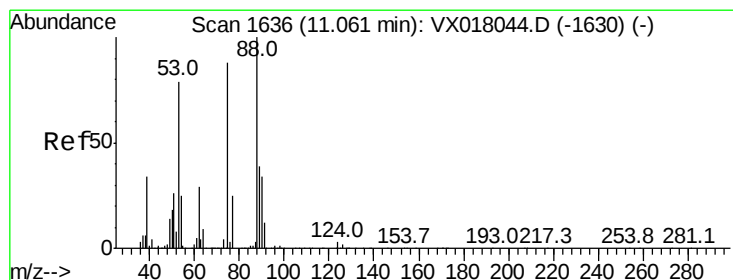
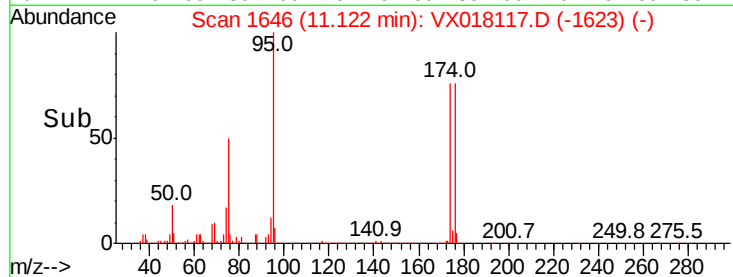
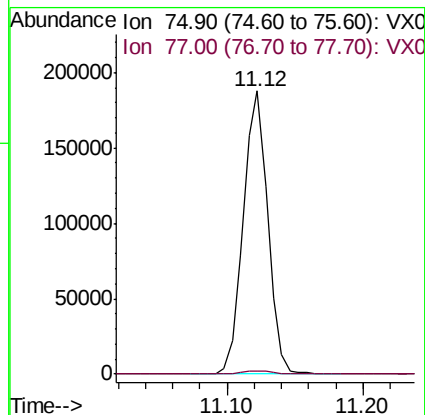
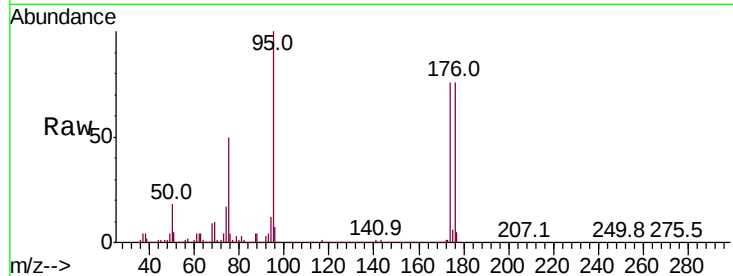
789UMR-DSP01-01

Tot Ion: 75 Resp: 234625

Ion Ratio Lower Upper

75 100

77 1.7 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.636 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018117.D

Acq: 28 Aug 2020 13:58

Tgt Ion: 75 Resp: 234625

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.1 36.6 54.8#

