

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018116.D
 Acq On : 28 Aug 2020 13:35
 Operator : JC/SP
 Sample : L3823-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 789UMR-DSP02-01

Quant Time: Aug 29 03:05:00 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	5.64	168	624054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1037384	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1007690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	462218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	439741	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	5.47	113	350437	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.70	98	1316517	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.12	95	487088	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

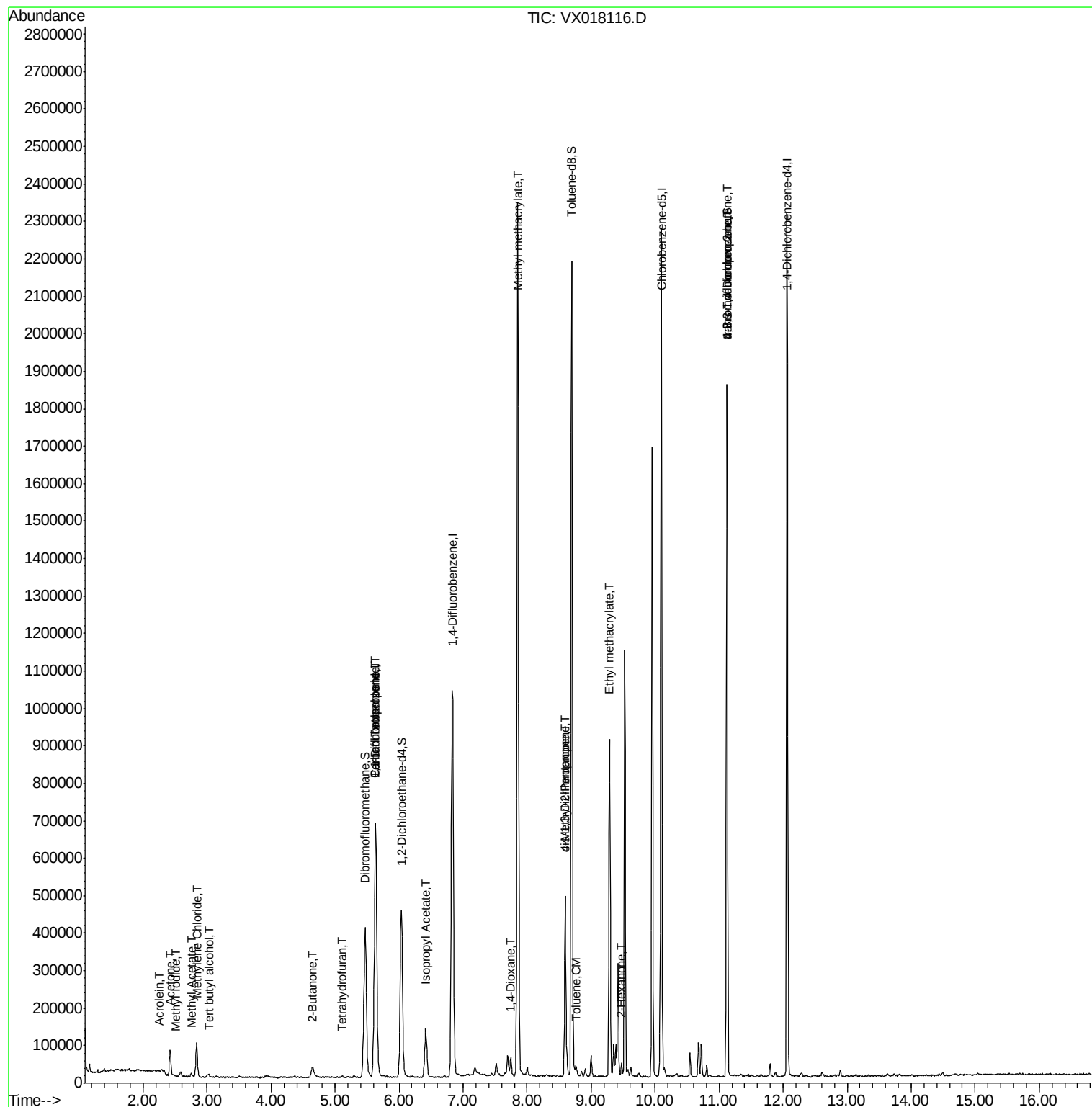
						Qvalue
10) Methyl Iodide	2.50	142	796	5.400	ug/l #	38
11) Tert butyl alcohol	3.02	59	10901	6.471	ug/l #	76
13) Acrolein	2.26	56	259	0.371	ug/l #	36
16) Acetone	2.42	43	70739	20.955	ug/l	99
18) Methyl Acetate	2.76	43	12111	1.487	ug/l	98
20) Methylene Chloride	2.83	84	41645	4.982	ug/l	97
25) 2-Butanone	4.64	43	44485	8.018	ug/l	91
29) Tetrahydrofuran	5.11	42	3462	0.980	ug/l #	45
36) 1,1-Dichloropropene	5.63	75	49535	5.177	ug/l #	52
38) Carbon Tetrachloride	5.64	117	64282	5.961	ug/l #	16
43) Isopropyl Acetate	6.42	43	182172	10.149	ug/l	100
48) Methyl methacrylate	7.85	41	189970	21.260	ug/l #	43
49) 1,4-Dioxane	7.74	88	151	0.933	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	180983	16.323	ug/l #	47
52) Toluene	8.76	92	6701	0.376	ug/l	90
54) cis-1,3-Dichloropropene	8.60	75	75327	6.030	ug/l #	60
56) Ethyl methacrylate	9.29	69	3596	0.318	ug/l #	1
59) 2-Hexanone	9.48	43	19289	2.288	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	244416	23.771	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	244416	64.201	ug/l #	12

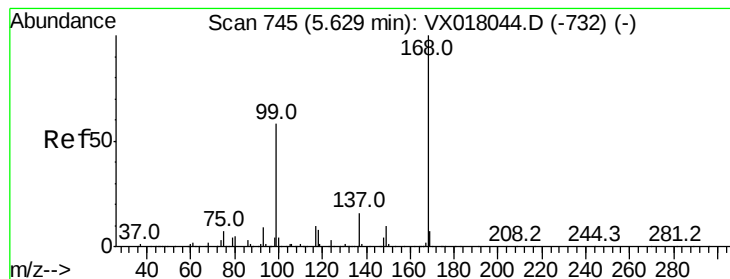
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

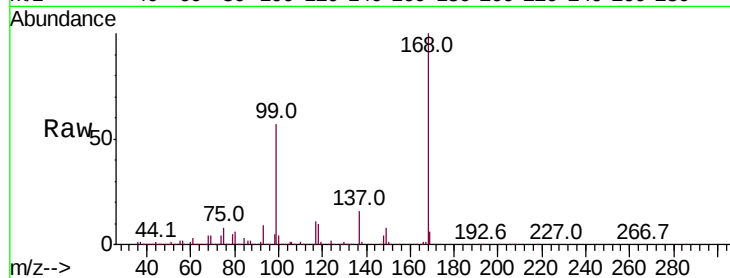
789UMR-DSP02-01

Tot Ion:168 Resp: 624054

Ion Ratio Lower Upper

168 100

99 57.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

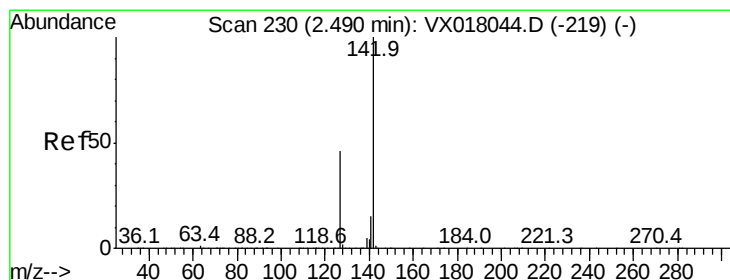
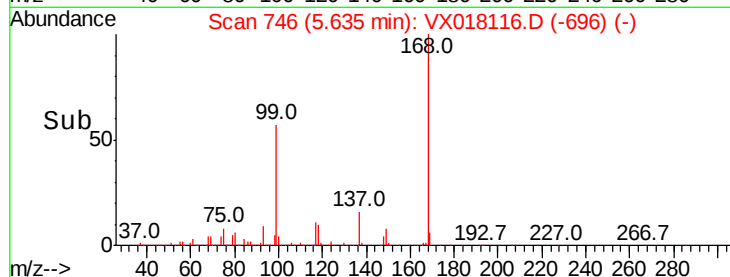
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.400 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

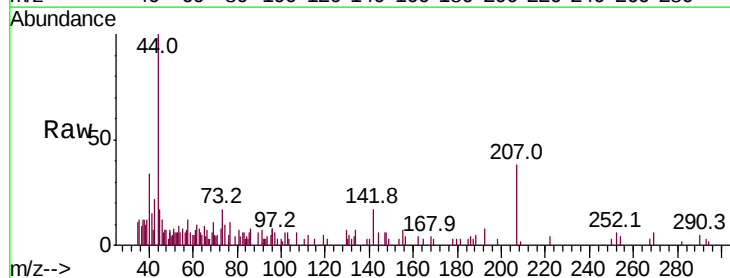
Tgt Ion:142 Resp: 796

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

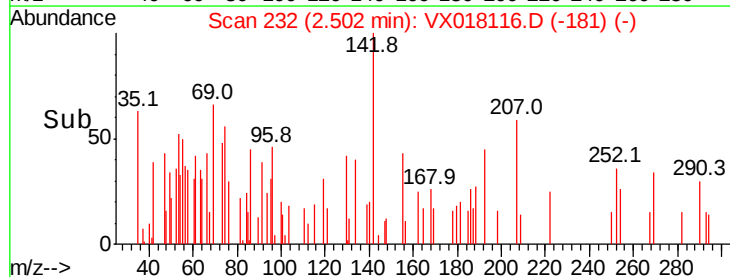
300

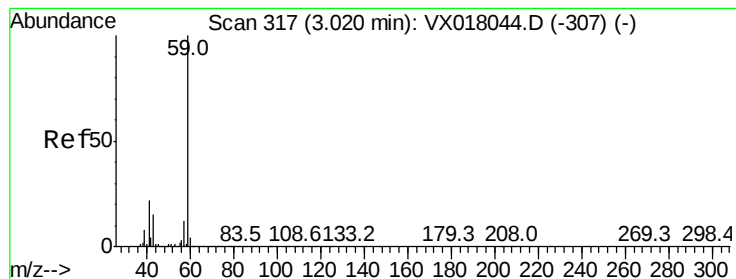
200

100

0

Time-->



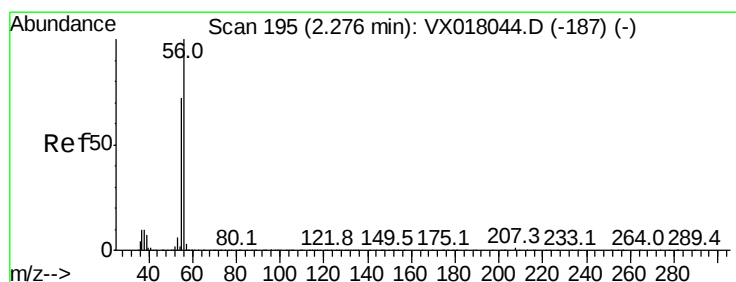
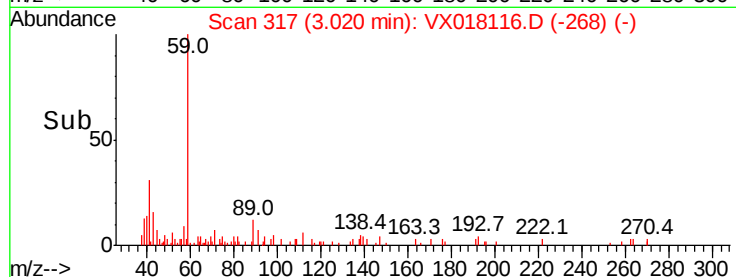
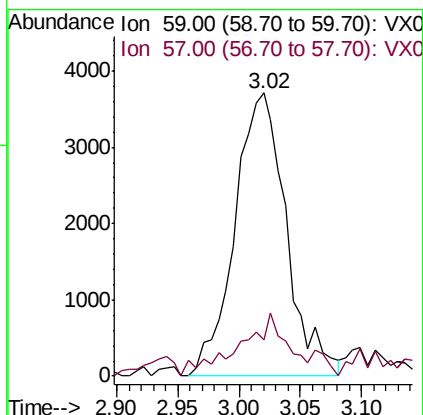
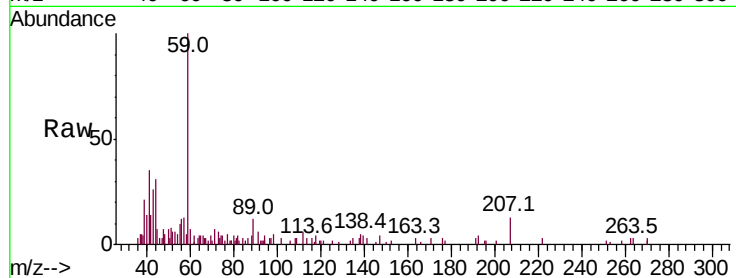


#11

Tert butyl alcohol
 Concen: 6.471 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX018116.D
 Acq: 28 Aug 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 789UMR-DSP02-01

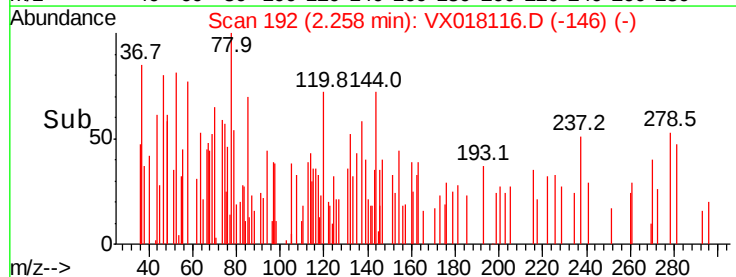
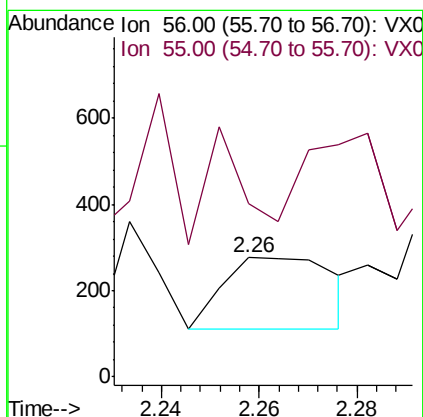
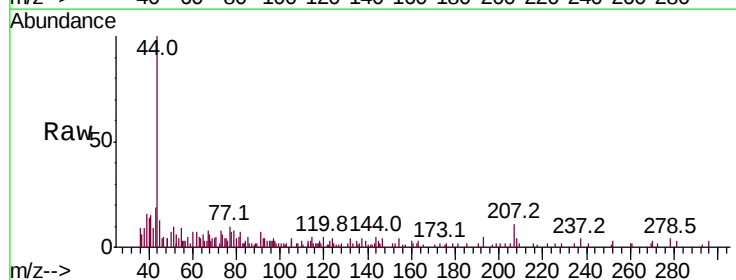
Tot Ion: 59 Resp: 10901
 Ion Ratio Lower Upper
 59 100
 57 20.4 8.9 13.3#

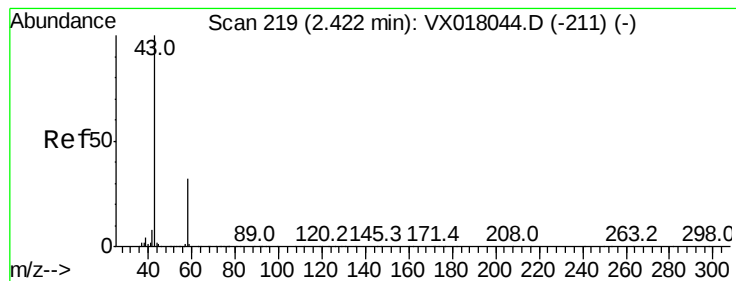


#13

Acrolein
 Concen: 0.371 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.02 min
 Lab File: VX018116.D
 Acq: 28 Aug 2020 13:35

Tgt Ion: 56 Resp: 259
 Ion Ratio Lower Upper
 56 100
 55 123.9 57.0 85.6#





#16

Acetone

Concen: 20.955 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

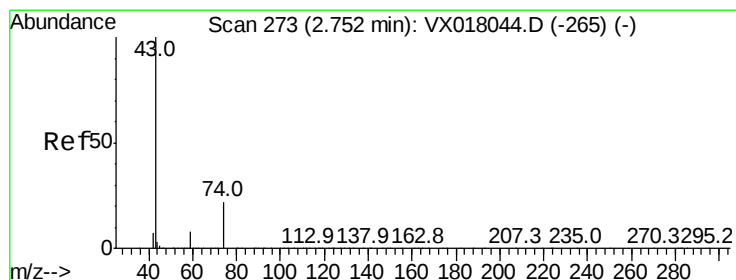
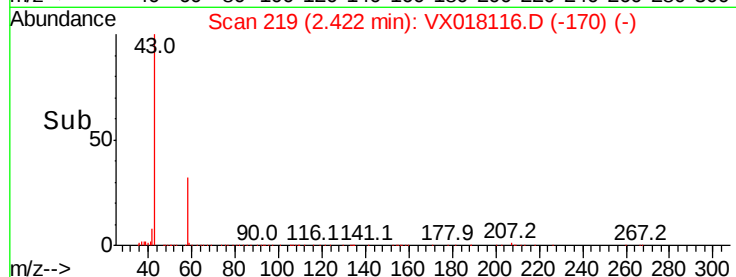
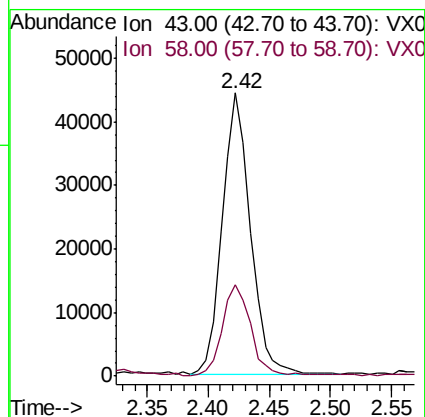
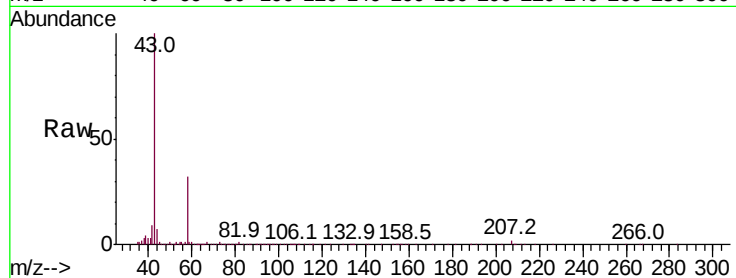
789UMR-DSP02-01

Tot Ion: 43 Resp: 70739

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3



#18

Methyl Acetate

Concen: 1.487 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX018116.D

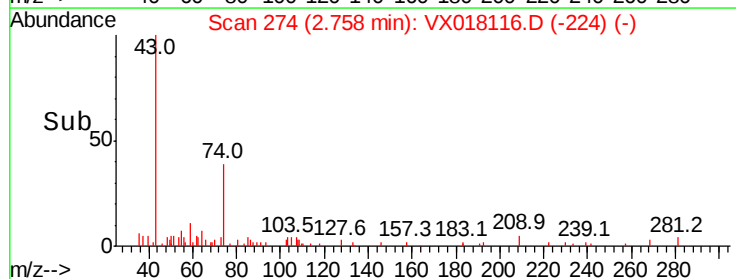
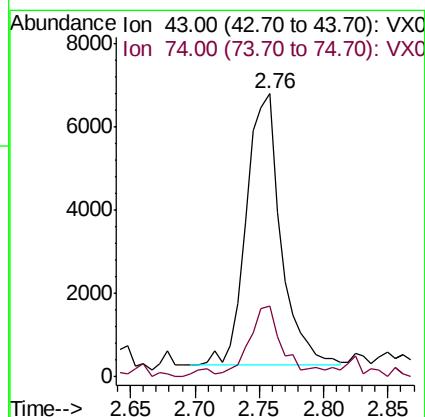
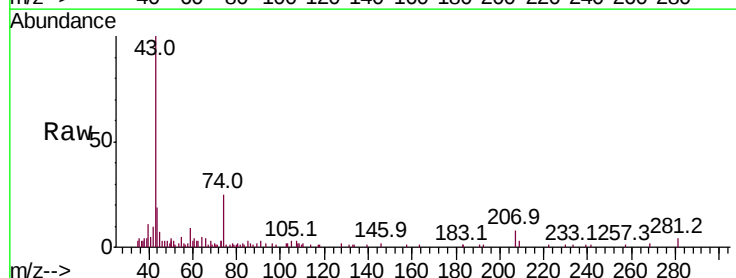
Acq: 28 Aug 2020 13:35

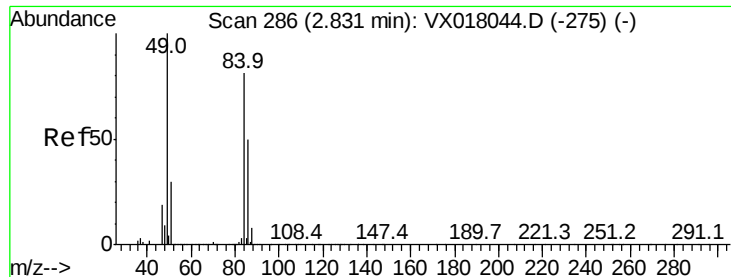
Tgt Ion: 43 Resp: 12111

Ion Ratio Lower Upper

43 100

74 21.9 18.2 27.4

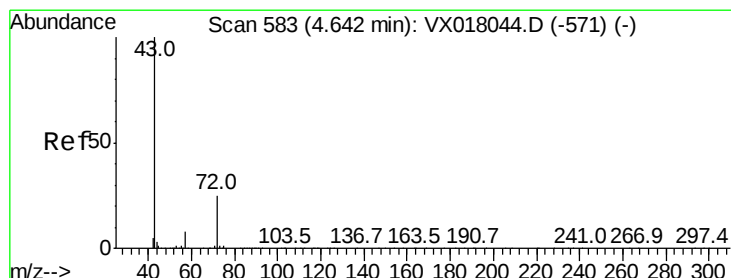
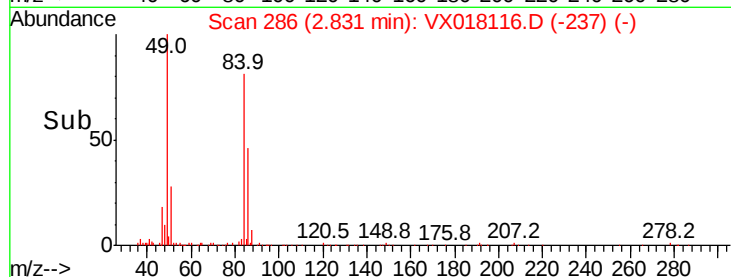
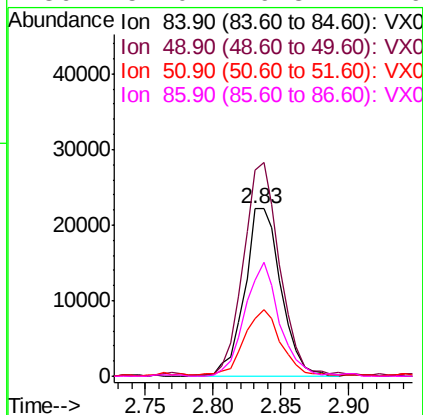
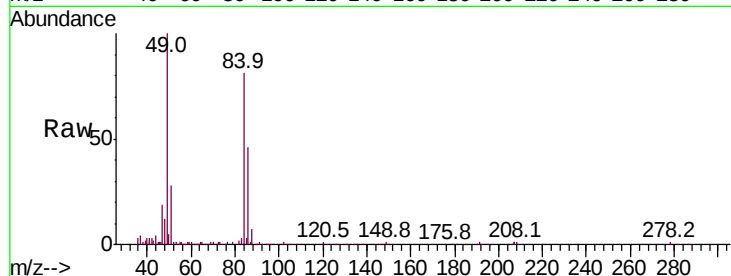




#20
Methvlene Chloride
Concen: 4.982 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

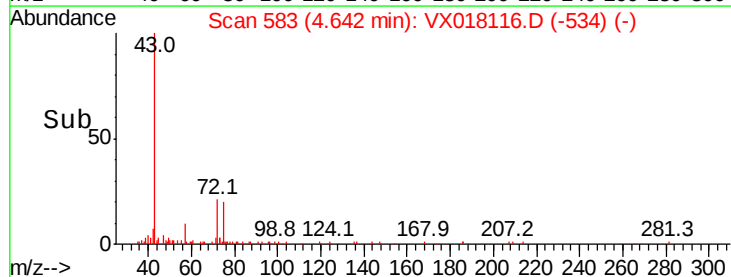
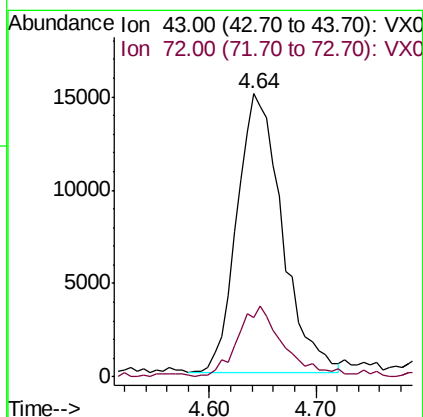
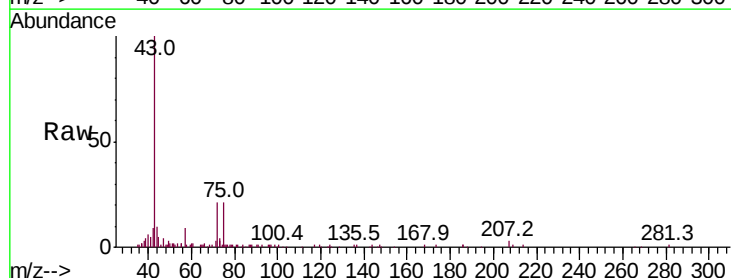
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP02-01

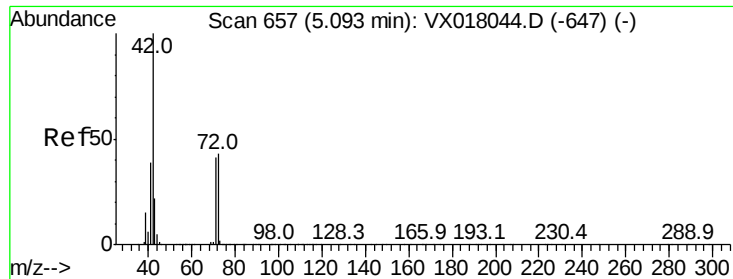
Tot Ion:	84	Resp:	41645
Ion	Ratio	Lower	Upper
84	100		
49	122.2	98.6	148.0
51	33.8	29.6	44.4
86	57.0	49.8	74.6



#25
2-Butanone
Concen: 8.018 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

Tgt Ion:	43	Resp:	44485
Ion	Ratio	Lower	Upper
43	100		
72	20.4	19.8	29.6





#29

Tetrahydrofuran

Concen: 0.980 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP02-01

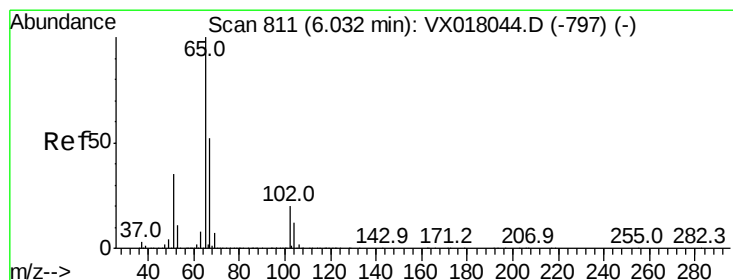
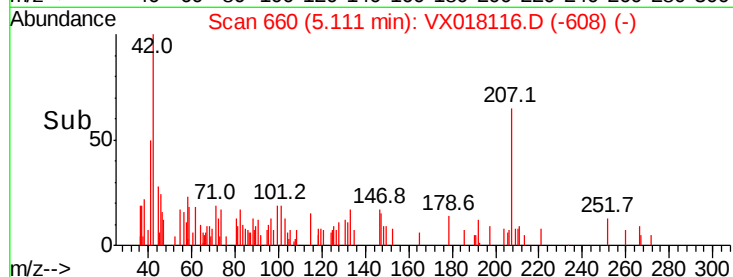
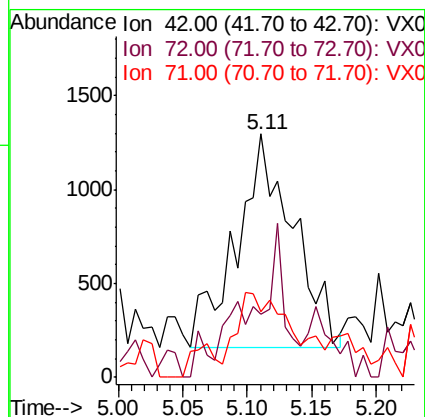
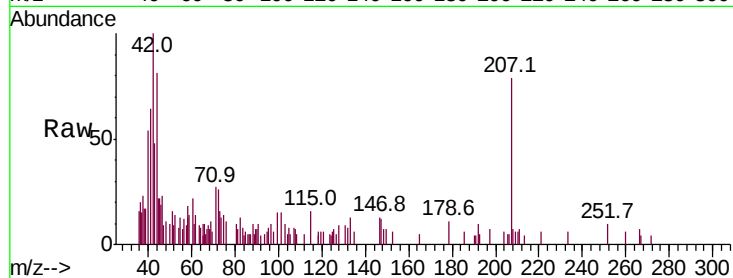
Tot Ion: 42 Resp: 3462

Ion Ratio Lower Upper

42 100

72 14.0 34.2 51.4#

71 0.0 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 50.758 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018116.D

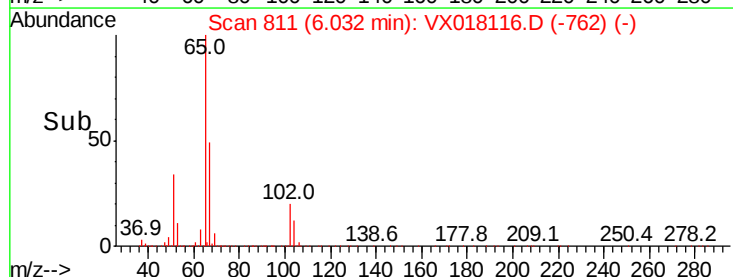
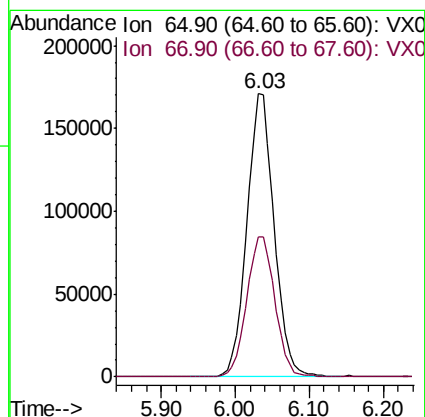
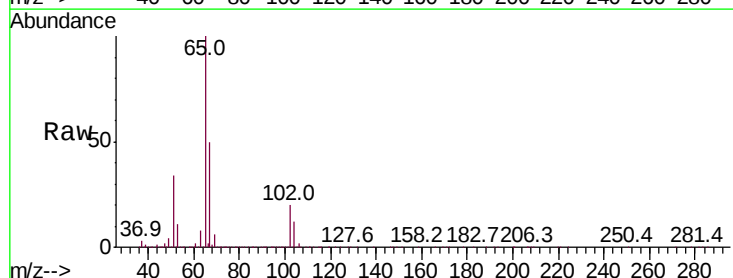
Acq: 28 Aug 2020 13:35

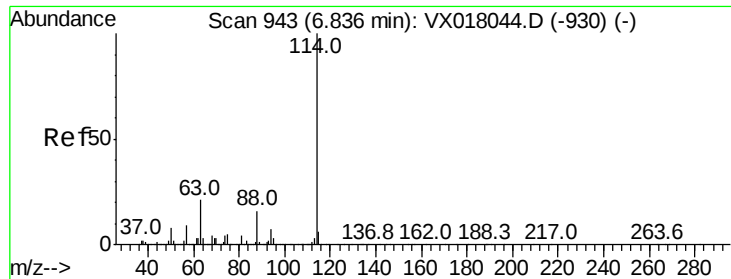
Tgt Ion: 65 Resp: 439741

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP02-01

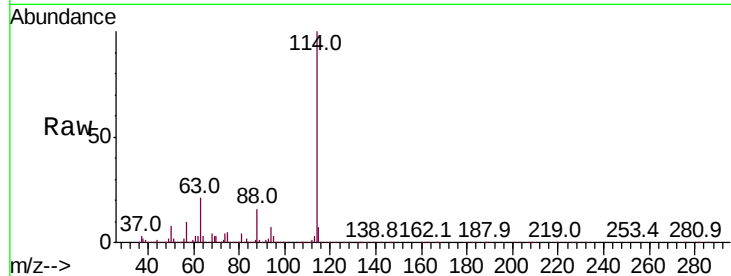
Tot Ion:114 Resp: 1037384

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

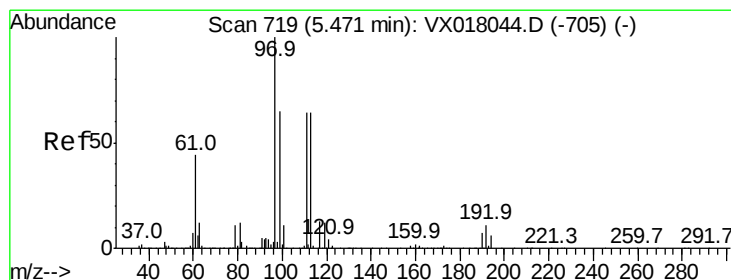
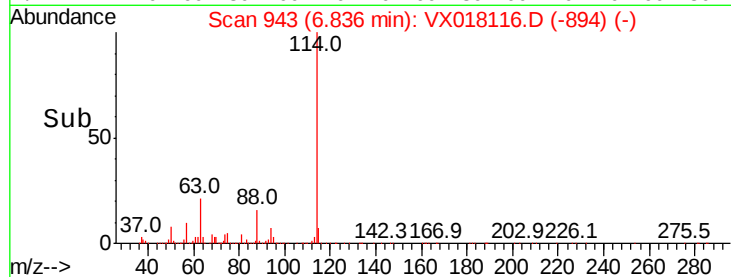
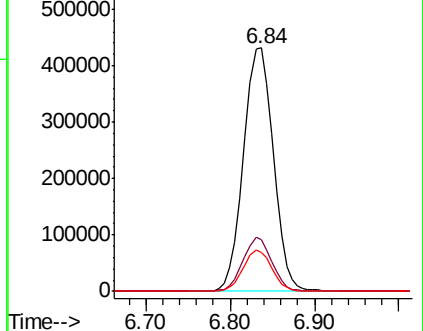
88 15.8 0.0 31.8



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: 49.601 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

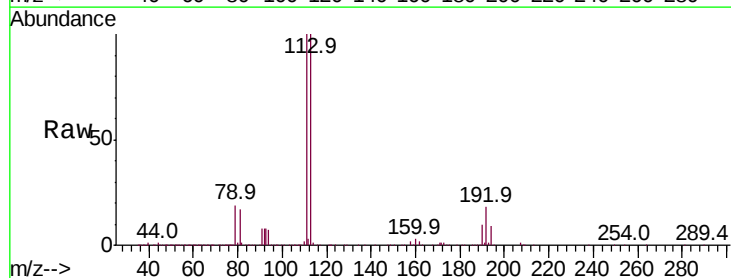
Tgt Ion:113 Resp: 350437

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

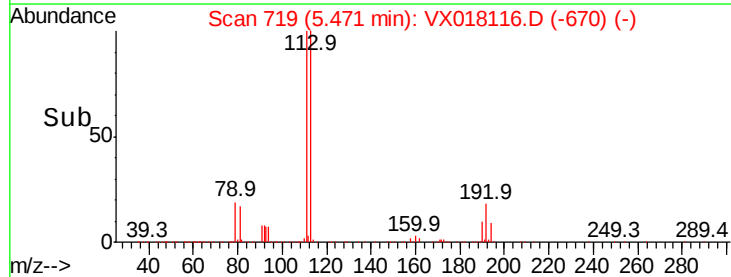
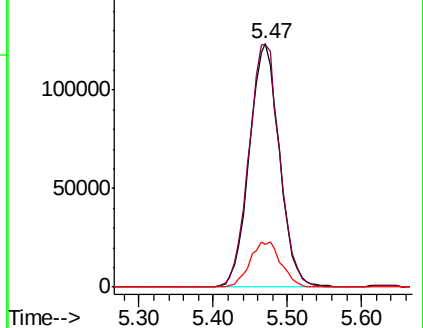
192 19.5 15.8 23.8

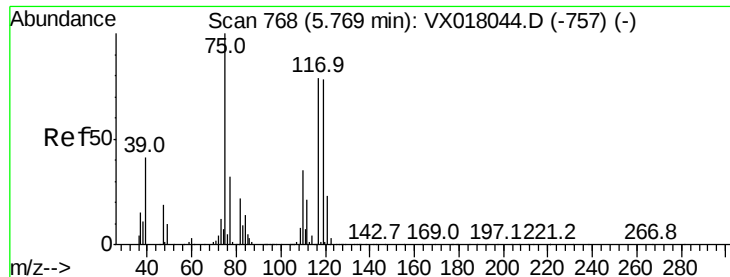


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP02-01

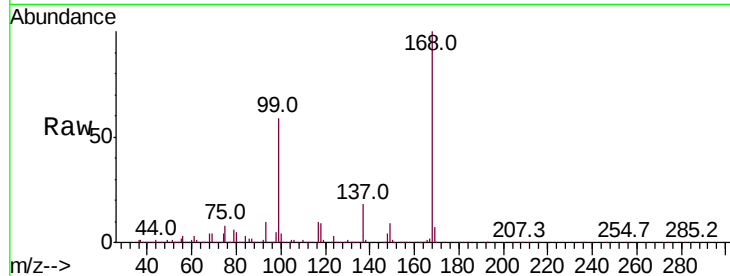
Tot Ion: 75 Resp: 49535

Ion Ratio Lower Upper

75 100

110 11.0 18.0 54.0#

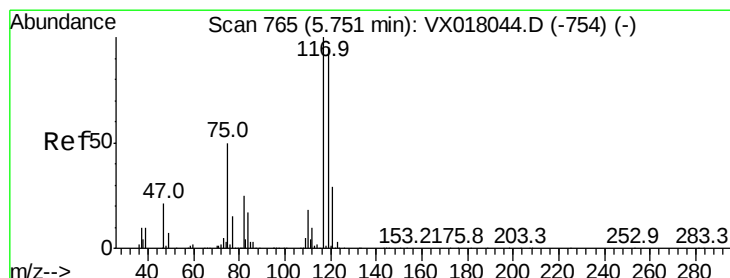
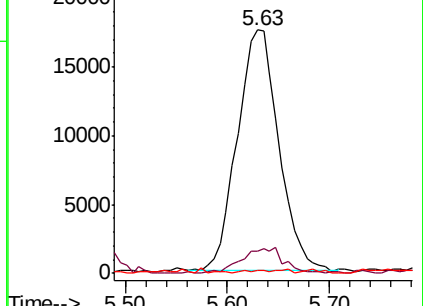
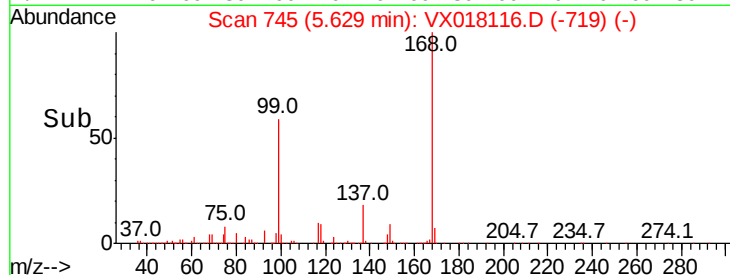
77 0.3 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX018116.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX018116.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX018116.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.961 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

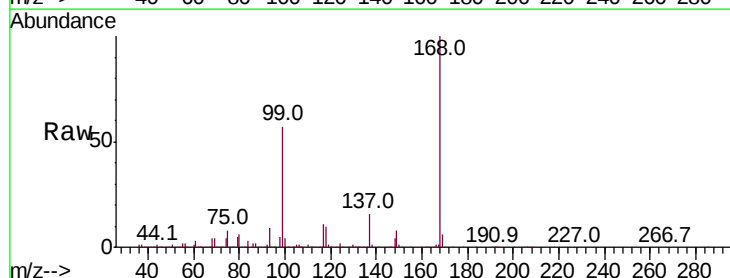
Tgt Ion: 117 Resp: 64282

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

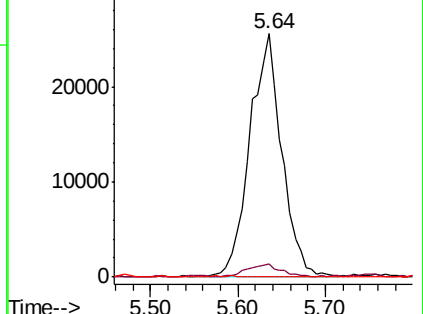
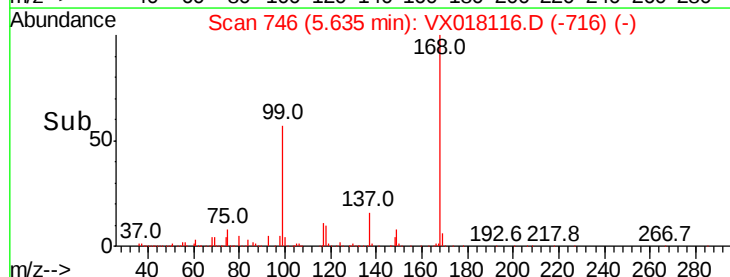
121 0.0 23.4 35.0#

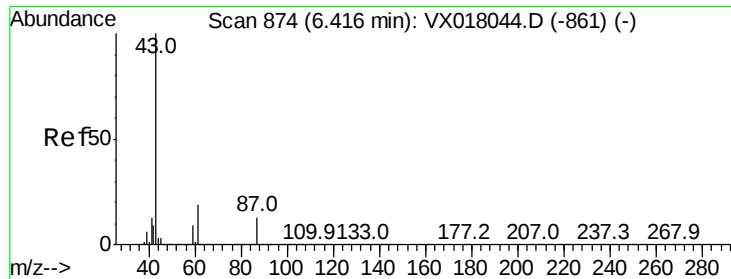


Abundance Ion 116.80 (116.50 to 117.50): VX018116.D (-716) (-)

Ion 118.80 (118.50 to 119.50): VX018116.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX018116.D (-716) (-)



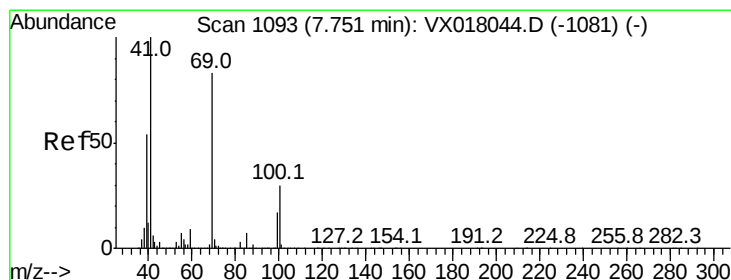
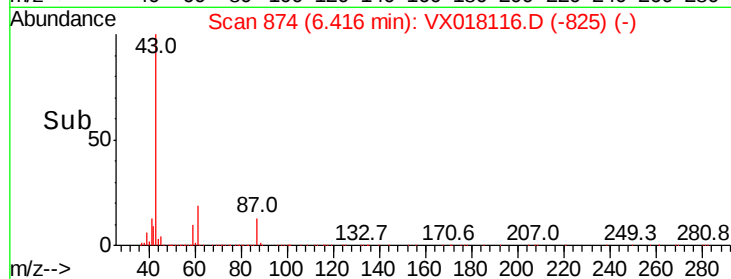
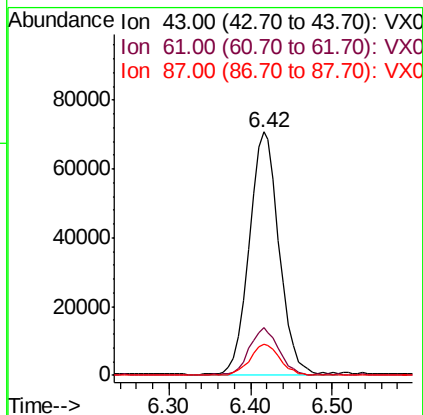
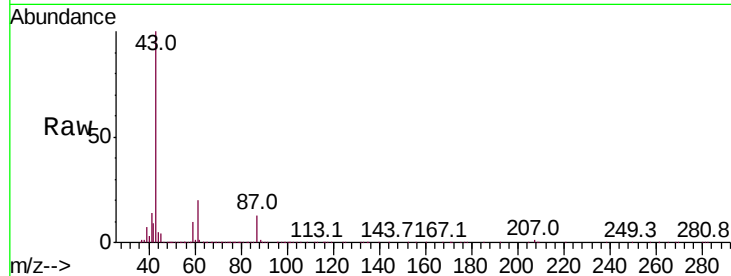


#43

Isopropyl Acetate
 Concen: 10.149 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX018116.D
 Acq: 28 Aug 2020 13:35

Instrument :
 MSVOA_X
 ClientSampleId :
 789UMR-DSP02-01

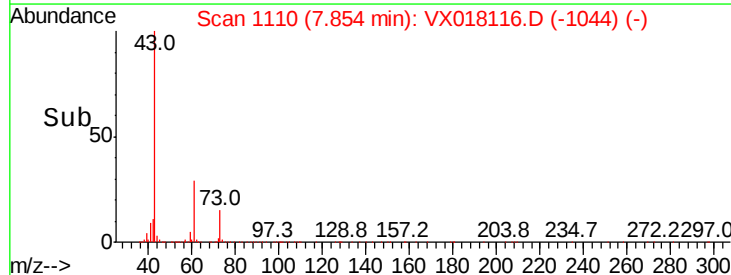
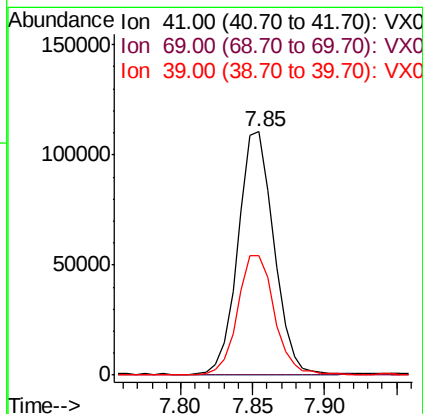
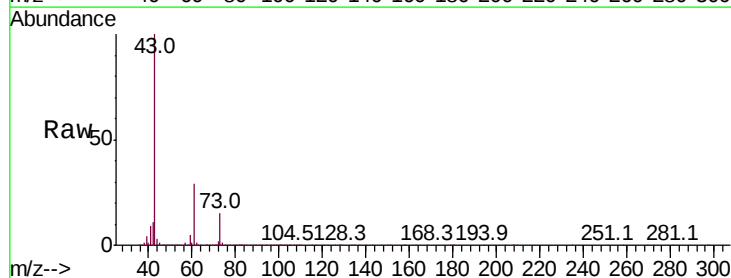
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.7	23.5
87	12.9	10.3	15.5

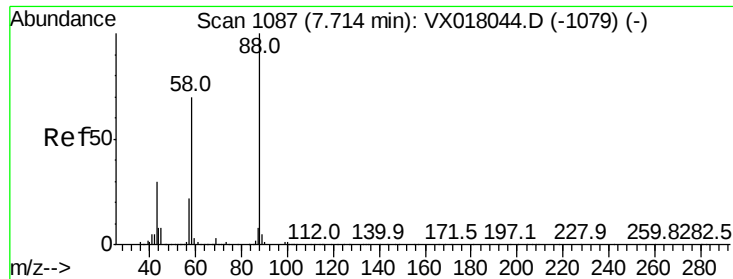


#48

Methyl methacrylate
 Concen: 21.260 ug/l
 RT: 7.85 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VX018116.D
 Acq: 28 Aug 2020 13:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.3	65.5	98.3#
39	51.2	44.5	66.7





#49

1,4-Dioxane

Concen: 0.933 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP02-01

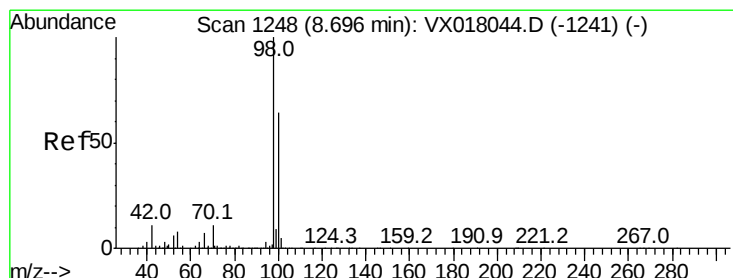
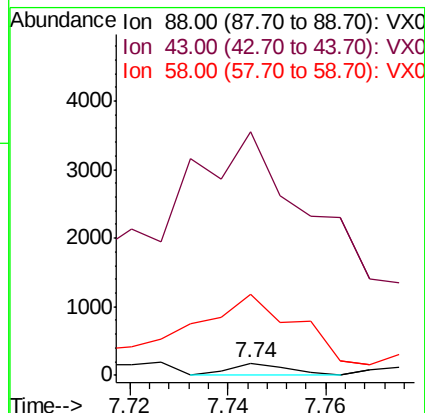
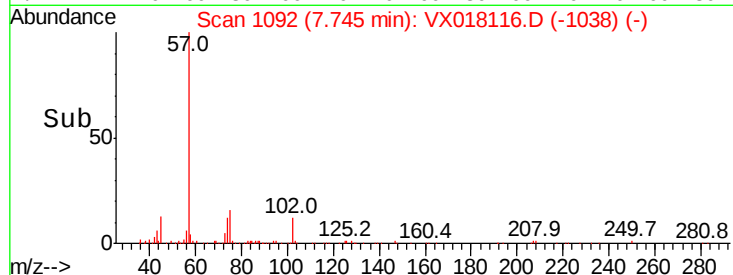
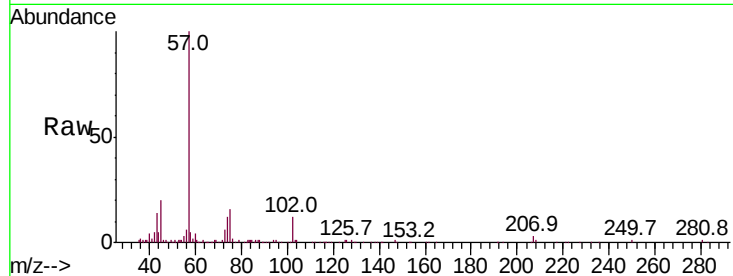
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 966.9 56.4 84.6#



#50

Toluene-d8

Concen: 50.030 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018116.D

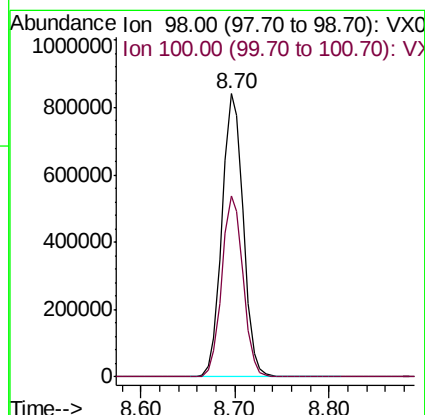
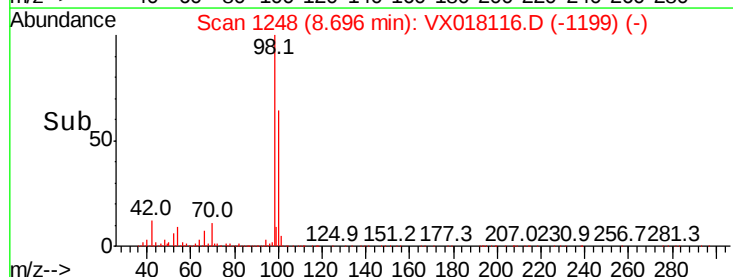
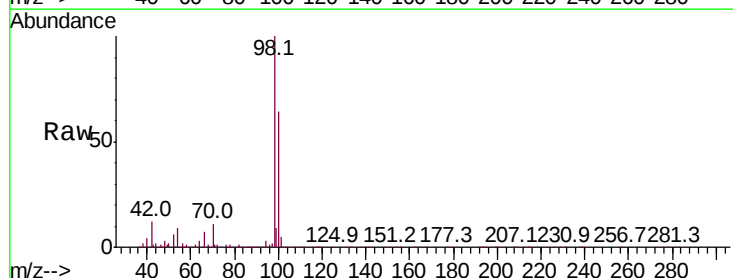
Acq: 28 Aug 2020 13:35

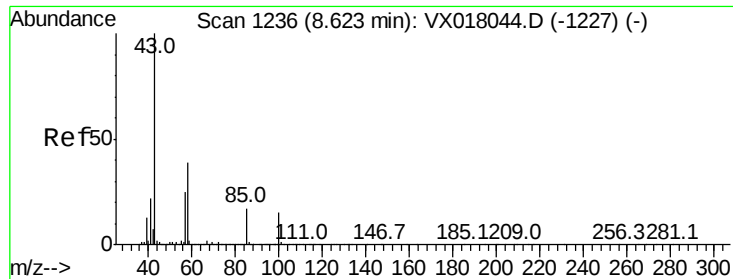
Tgt Ion: 98 Resp: 1316517

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 16.323 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

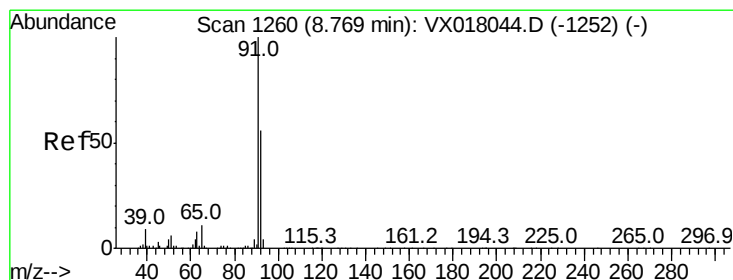
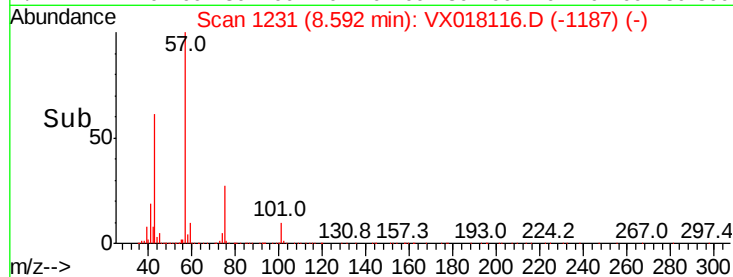
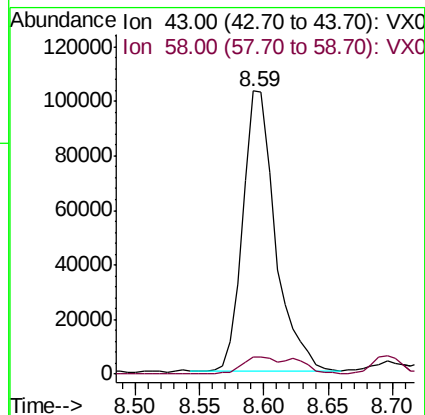
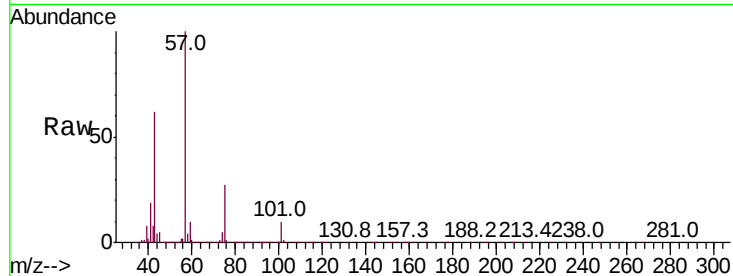
789UMR-DSP02-01

Tot Ion: 43 Resp: 180983

Ion Ratio Lower Upper

43 100

58 6.2 30.7 46.1#



#52

Toluene

Concen: 0.376 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018116.D

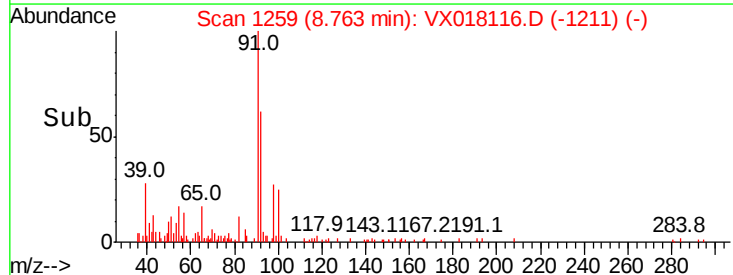
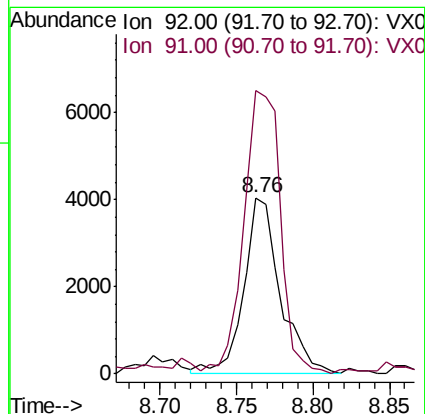
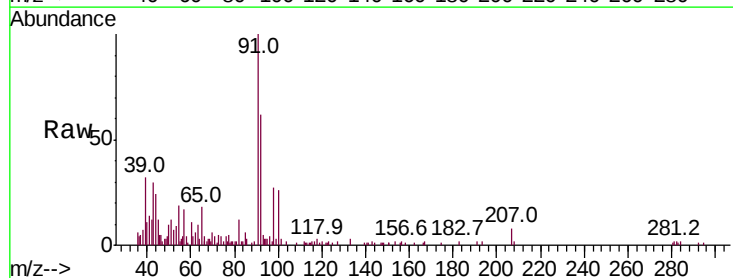
Acq: 28 Aug 2020 13:35

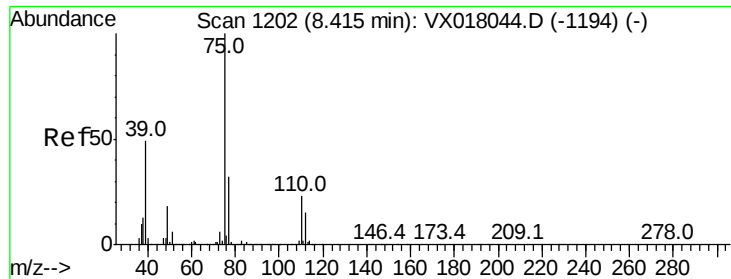
Tgt Ion: 92 Resp: 6701

Ion Ratio Lower Upper

92 100

91 161.6 140.3 210.5





#54

cis-1,3-Dichloropropene

Concen: 6.030 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

789UMR-DSP02-01

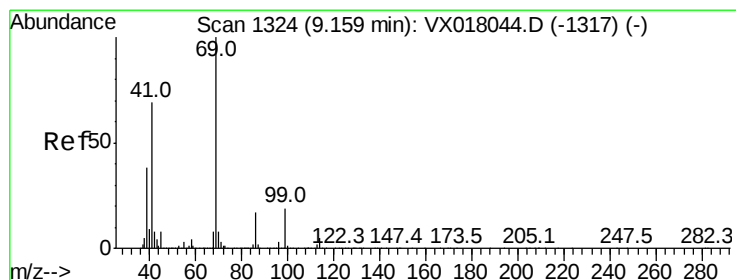
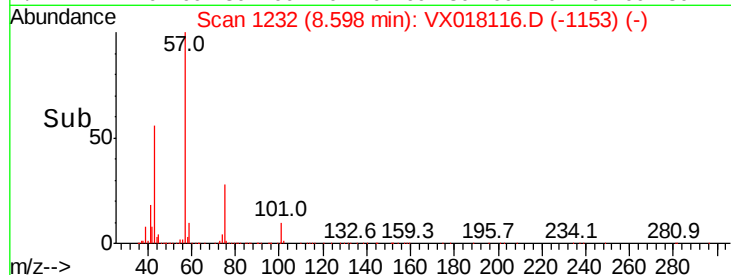
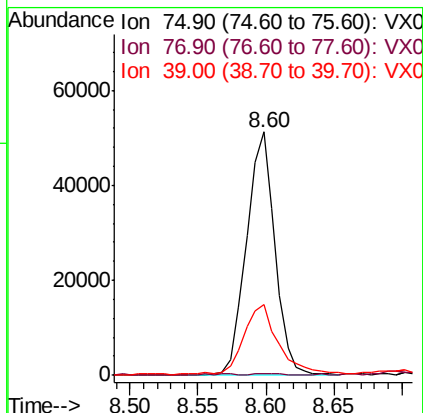
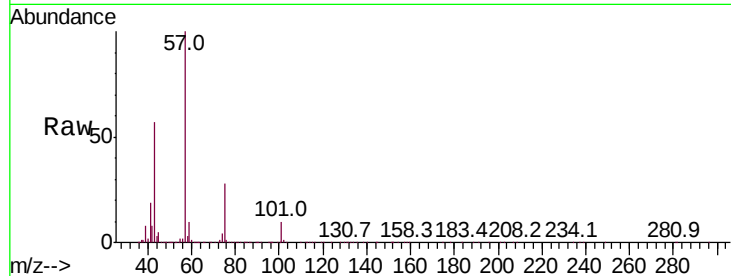
Tot Ion: 75 Resp: 75327

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

39 28.7 38.8 58.2#



#56

Ethyl methacrylate

Concen: 0.318 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

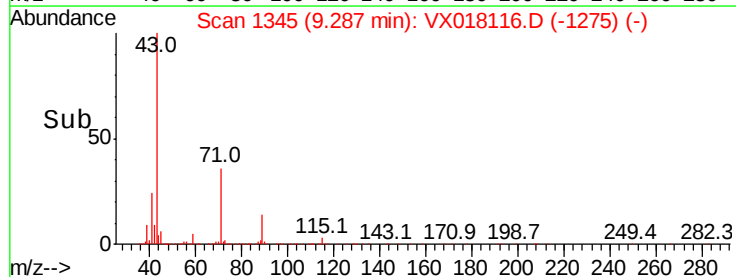
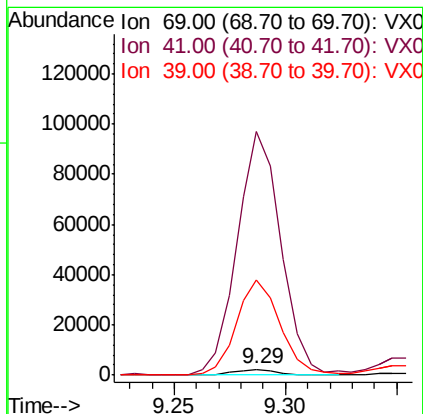
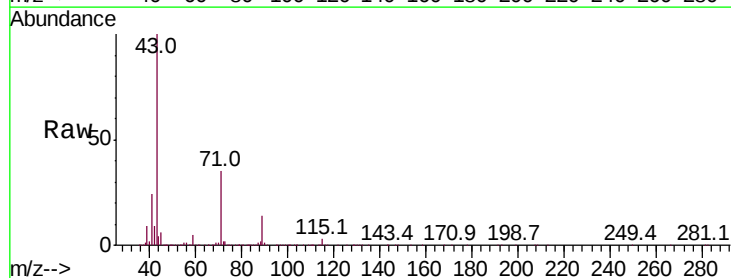
Tgt Ion: 69 Resp: 3596

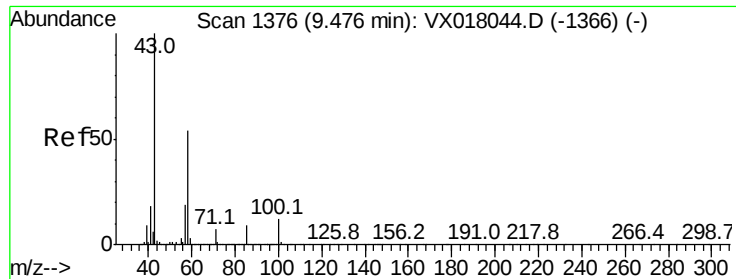
Ion Ratio Lower Upper

69 100

41 3689.3 54.6 81.8#

39 1418.6 29.1 43.7#

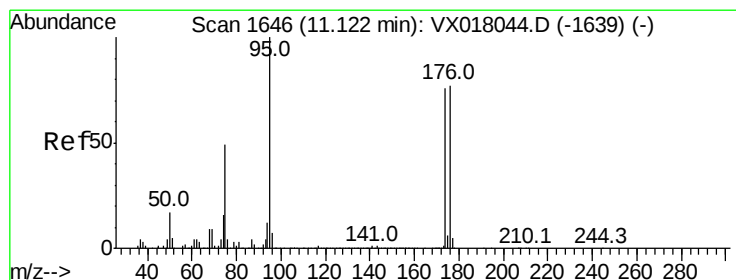
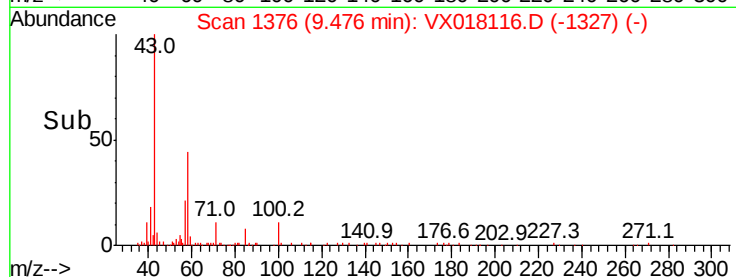
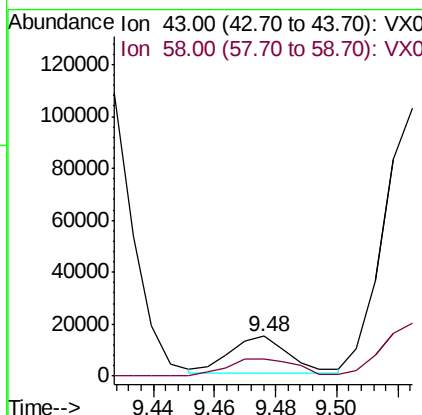
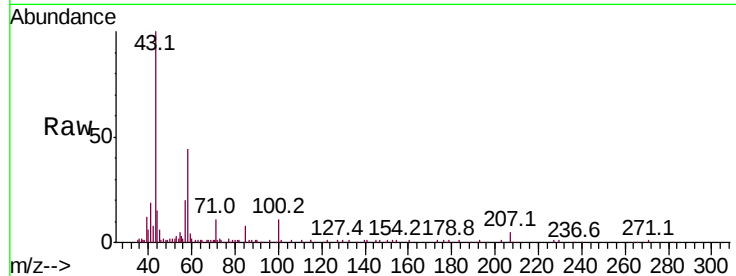




#59
2-Hexanone
Concen: 2.288 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

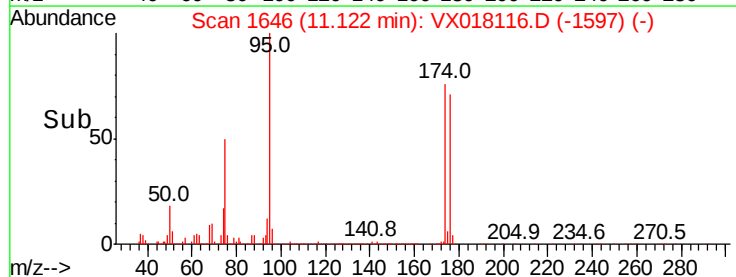
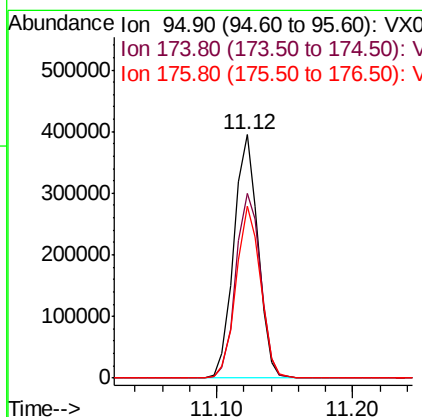
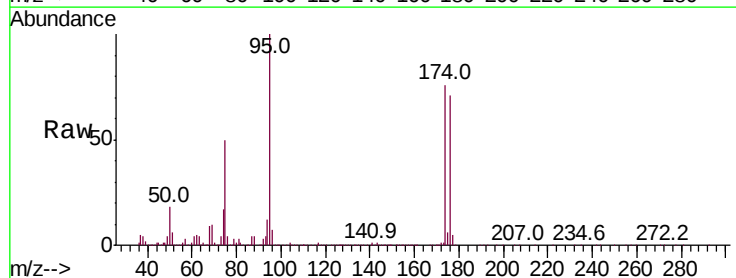
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP02-01

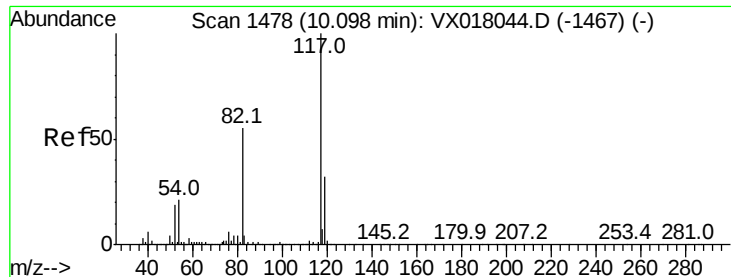
Tot Ion: 43 Resp: 19289
Ion Ratio Lower Upper
43 100
58 54.1 26.6 79.7



#62
4-Bromofluorobenzene
Concen: 47.048 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

Tgt Ion: 95 Resp: 487088
Ion Ratio Lower Upper
95 100
174 78.2 0.0 160.2
176 71.8 0.0 155.8

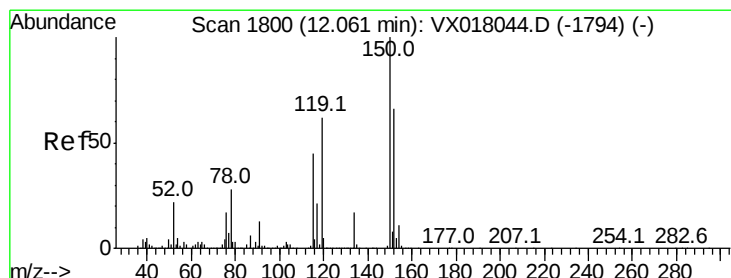
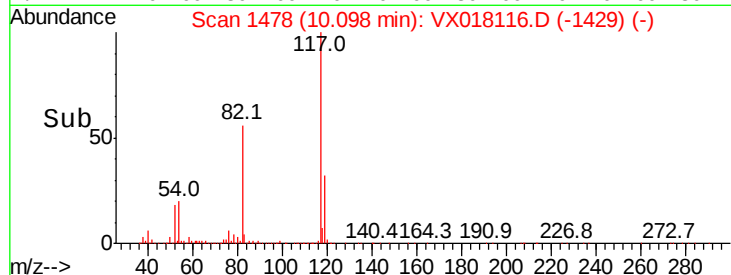
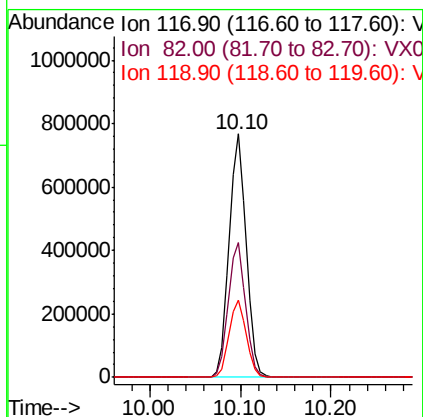
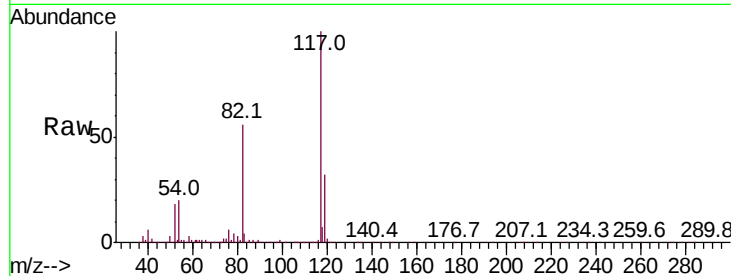




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

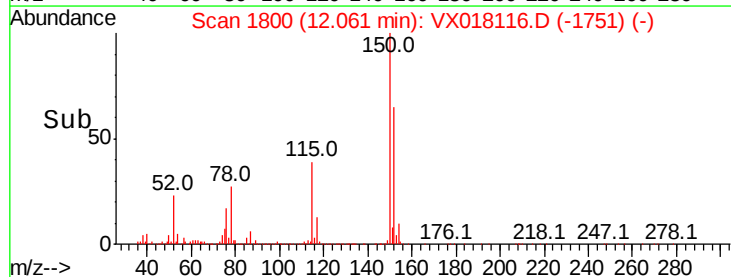
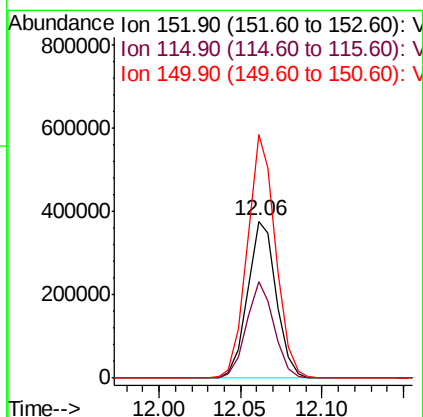
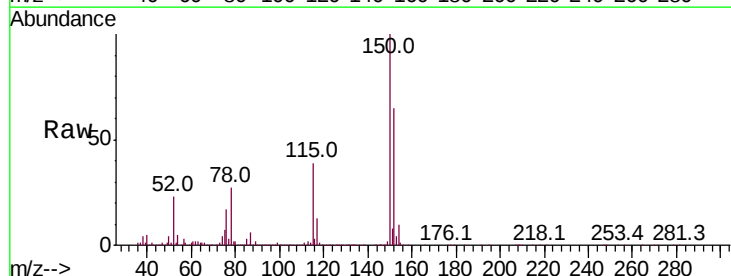
Instrument :
MSVOA_X
ClientSampleId :
789UMR-DSP02-01

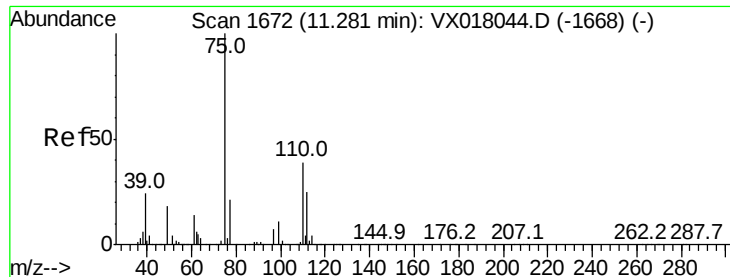
Tot Ion:117 Resp: 1007690
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018116.D
Acq: 28 Aug 2020 13:35

Tgt Ion:152 Resp: 462218
Ion Ratio Lower Upper
152 100
115 59.0 41.5 124.5
150 152.7 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 23.771 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Instrument :

MSVOA_X

ClientSampleId :

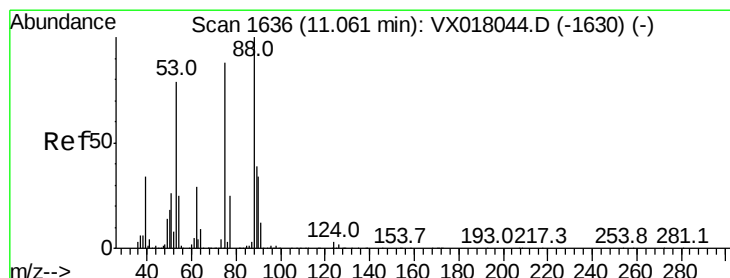
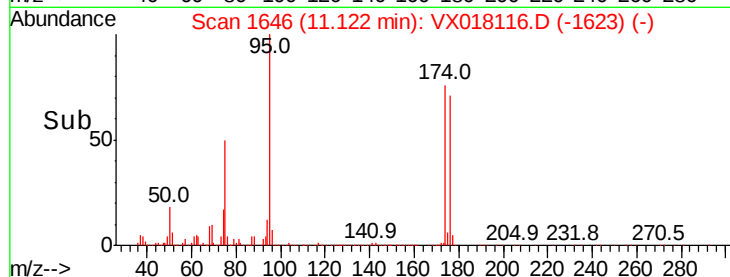
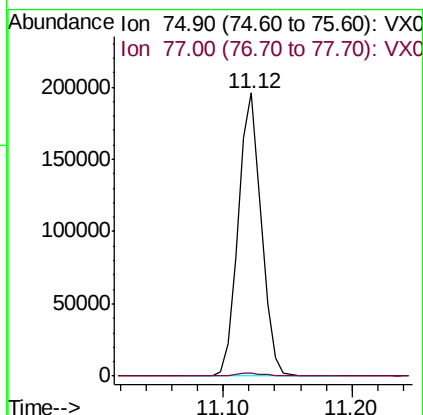
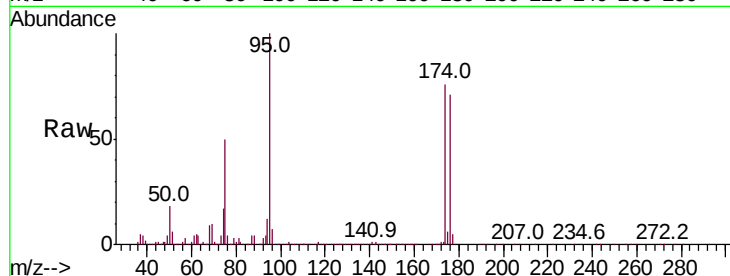
789UMR-DSP02-01

Tot Ion: 75 Resp: 244416

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.201 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018116.D

Acq: 28 Aug 2020 13:35

Tgt Ion: 75 Resp: 244416

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.1 36.6 54.8#

