

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045020.D
 Acq On : 30 Sep 2021 02:40
 Operator : SY/MD
 Sample : PB139450ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#03

Quant Time: Sep 30 05:29:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

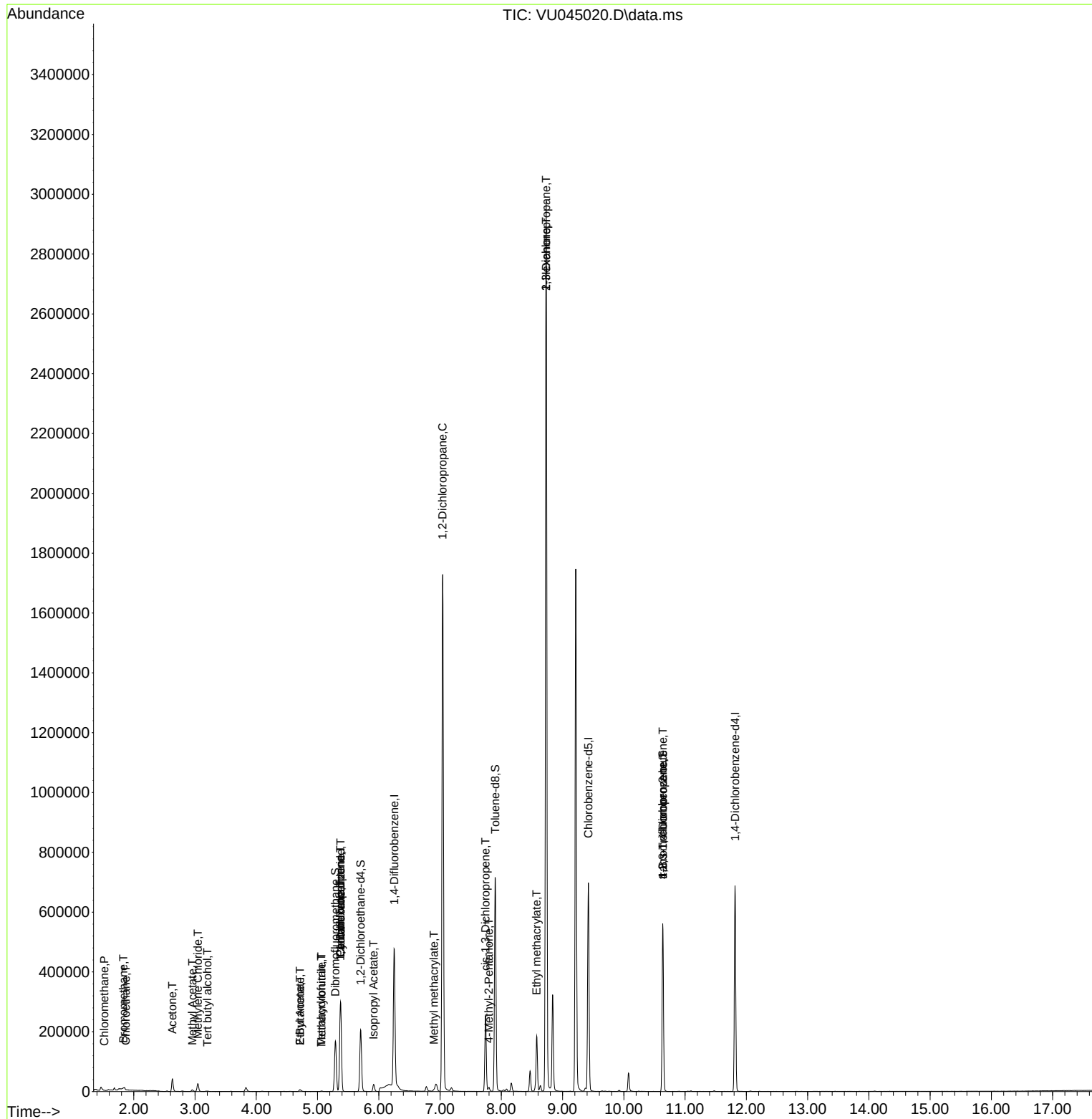
Internal Standards						
1) Pentafluorobenzene	5.375	168	196841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	357466	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	359308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	165494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	154805	47.245	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.292	113	107515	47.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	7.903	98	456395	51.223	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.440%		
62) 4-Bromofluorobenzene	10.636	95	183367	49.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.700%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	708	0.224	ug/l #	78
5) Bromomethane	1.829	94	446	0.361	ug/l	90
6) Chloroethane	1.871	64	2057	0.849	ug/l #	64
11) Tert butyl alcohol	3.202	59	1757	1.868	ug/l #	72
16) Acetone	2.629	43	47946	24.651	ug/l	100
18) Methyl Acetate	2.957	43	7951	1.399	ug/l	95
20) Methylene Chloride	3.047	84	12485	4.262	ug/l	96
25) 2-Butanone	4.713	43	10257	3.712	ug/l	98
29) Tetrahydrofuran	5.060	42	1170	0.711	ug/l #	57
31) Cyclohexane	5.375	56	5098	1.024	ug/l #	2
36) 1,1-Dichloropropene	5.372	75	18384	4.918	ug/l #	50
37) Ethyl Acetate	4.713	43	10257	2.074	ug/l #	69
38) Carbon Tetrachloride	5.375	117	20527	6.346	ug/l #	15
41) Methacrylonitrile	5.063	41	614	0.241	ug/l #	36
43) Isopropyl Acetate	5.915	43	26204	3.521	ug/l	99
45) 1,2-Dichloropropane	7.041	63	2257	0.765	ug/l #	45
48) Methyl methacrylate	6.899	41	9069	2.504	ug/l #	14
49) 1,4-Dioxane	7.044	88	238	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	8295	1.531	ug/l	96
54) cis-1,3-Dichloropropene	7.742	75	44964	9.777	ug/l #	59
56) Ethyl methacrylate	8.575	69	857	1.967	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	30103	5.809	ug/l #	43
59) 2-Hexanone	8.732	43	412459	93.497	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	100159	20.749	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	100159	57.582	ug/l #	9

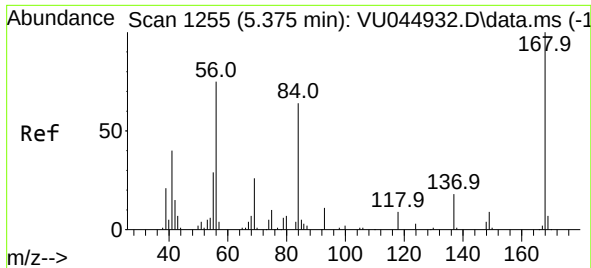
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

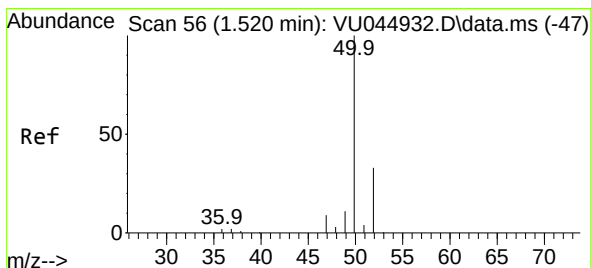
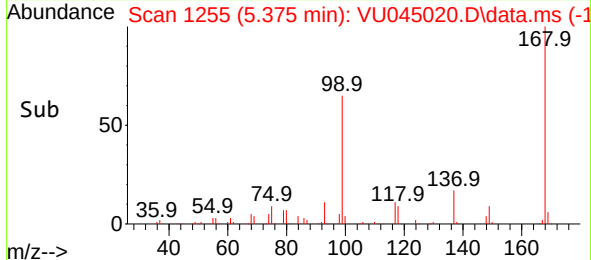
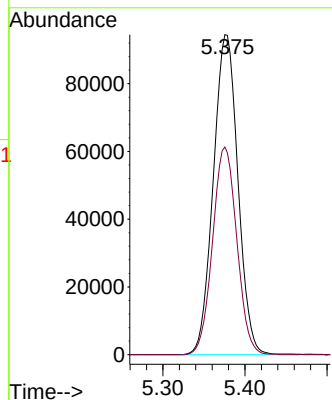
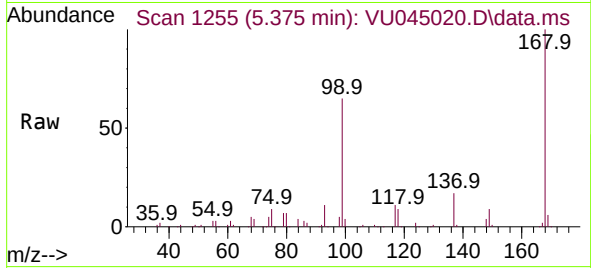




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

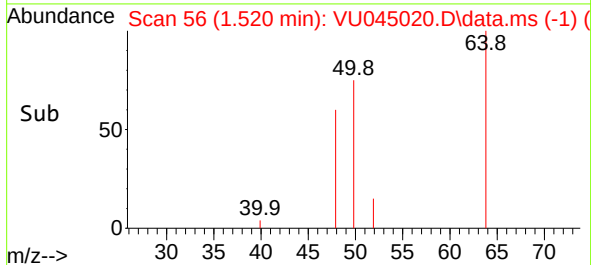
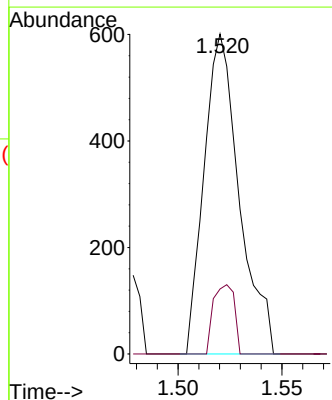
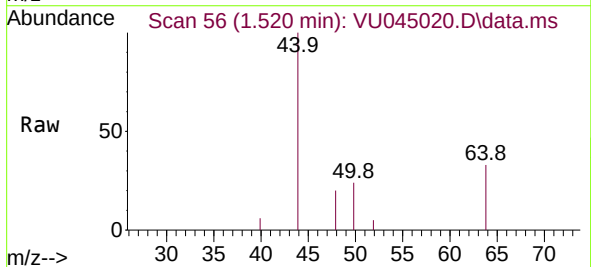
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

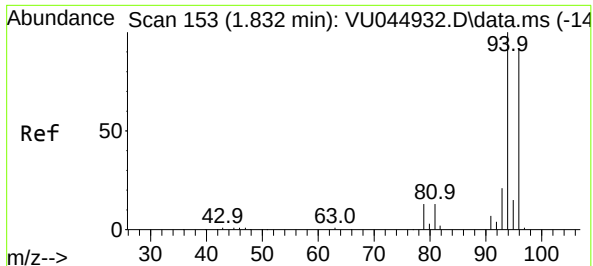
Tgt Ion:168 Resp: 196841
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.0



#3
Chloromethane
Concen: 0.224 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 20.3 26.3 39.5#

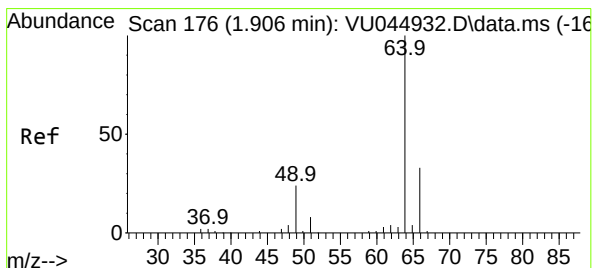
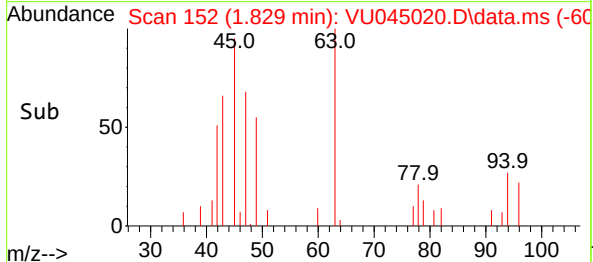
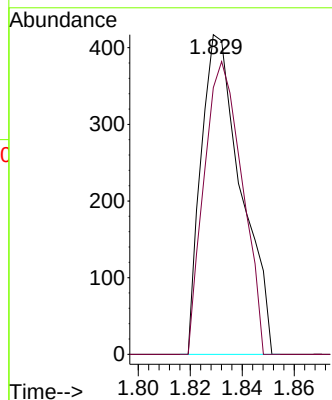
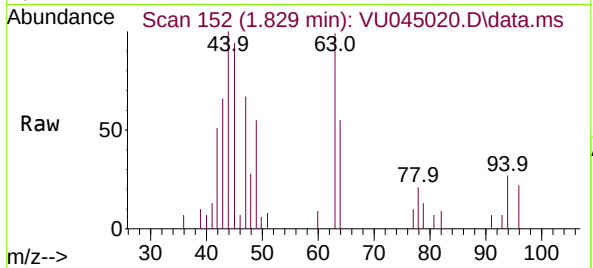




#5
Bromomethane
Concen: 0.361 ug/l
RT: 1.829 min Scan# 152
Delta R.T. -0.003 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

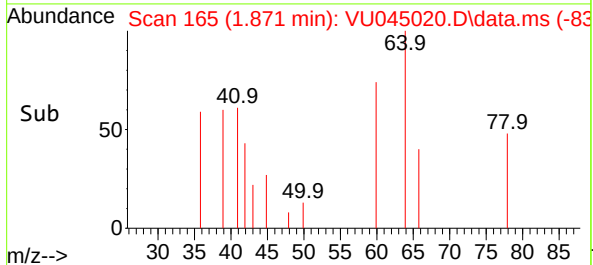
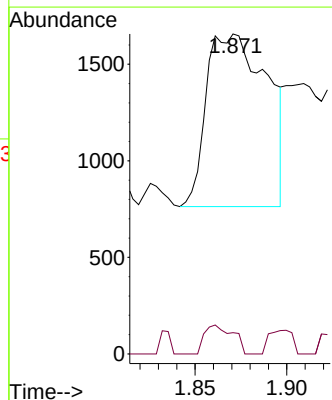
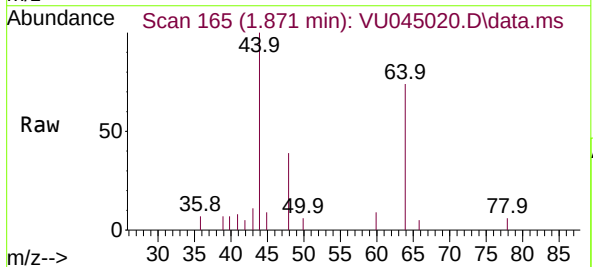
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

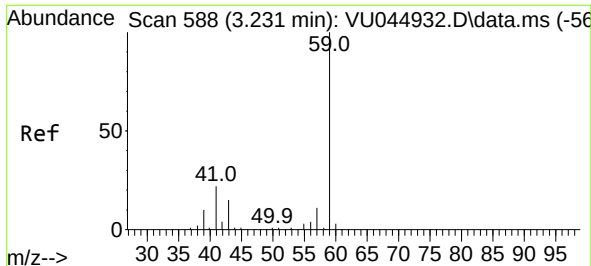
Tgt Ion: 94 Resp: 446
Ion Ratio Lower Upper
94 100
96 83.5 74.5 111.7



#6
Chloroethane
Concen: 0.849 ug/l
RT: 1.871 min Scan# 165
Delta R.T. -0.035 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 64 Resp: 2057
Ion Ratio Lower Upper
64 100
66 12.3 25.8 38.8#

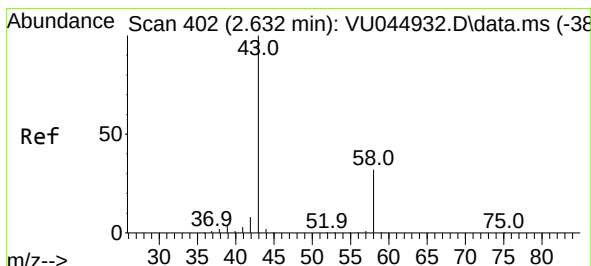
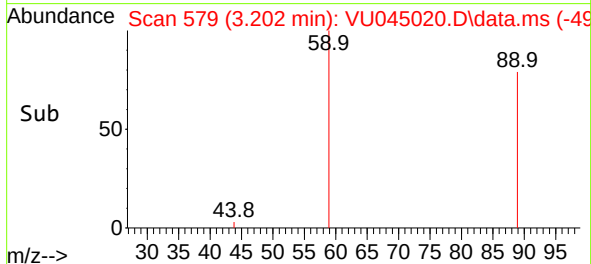
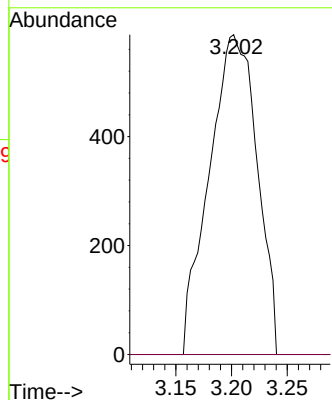
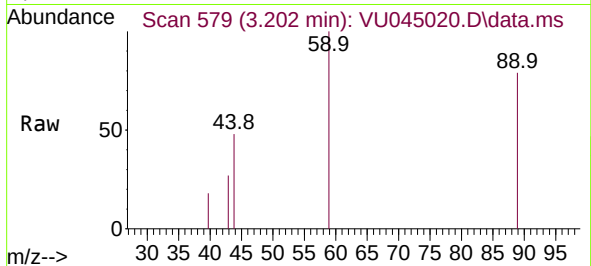




#11
Tert butyl alcohol
Concen: 1.868 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.029 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

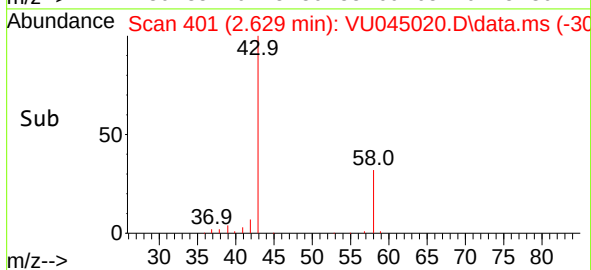
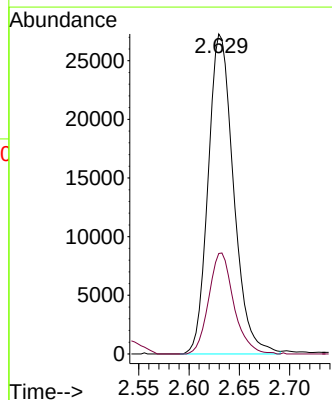
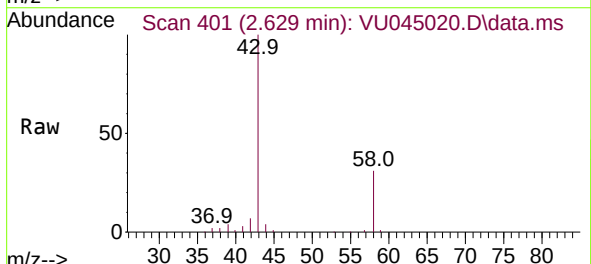
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

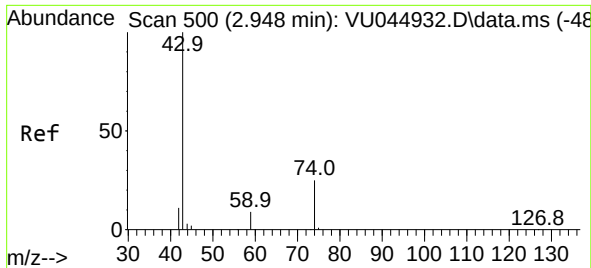
Tgt Ion: 59 Resp: 1757
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 24.651 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 43 Resp: 47946
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8

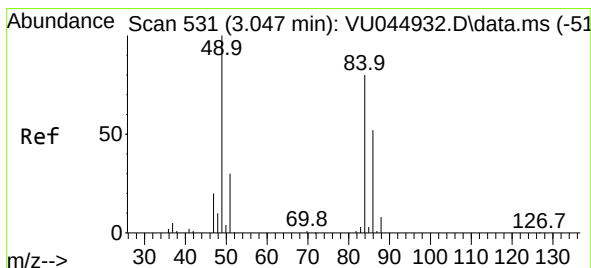
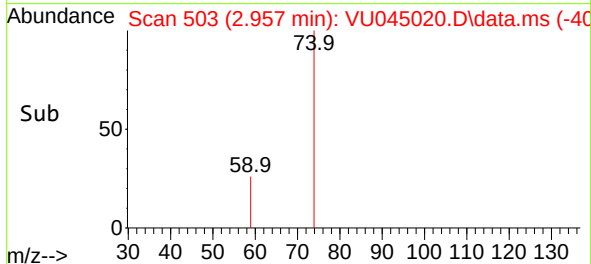
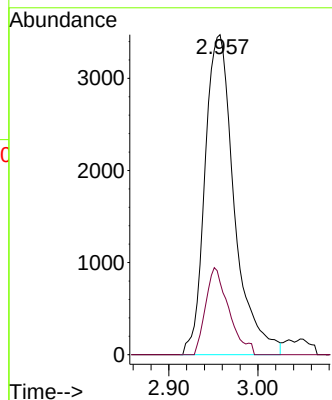
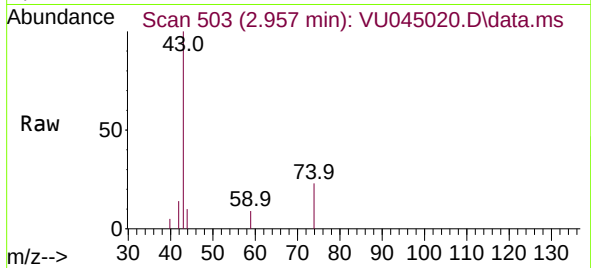




#18
Methyl Acetate
Concen: 1.399 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

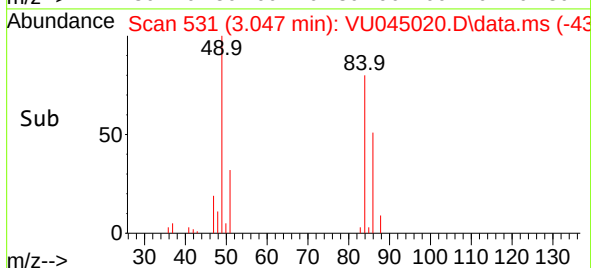
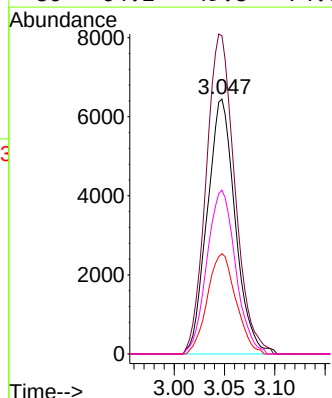
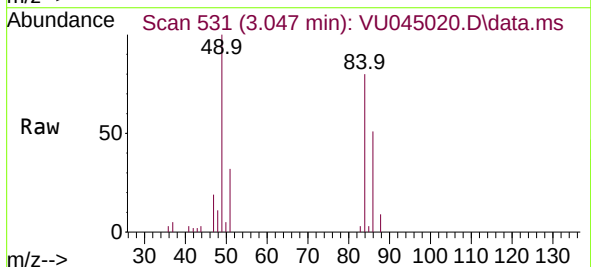
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

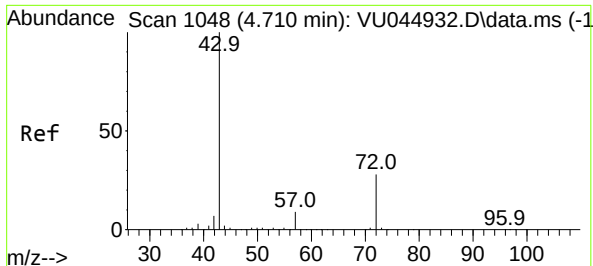
Tgt Ion: 43 Resp: 7951
Ion Ratio Lower Upper
43 100
74 21.4 19.0 28.6



#20
Methylene Chloride
Concen: 4.262 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 84 Resp: 12485
Ion Ratio Lower Upper
84 100
49 124.8 104.9 157.3
51 39.4 31.8 47.8
86 64.2 49.8 74.6





#25

2-Butanone

Concen: 3.712 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU045020.D

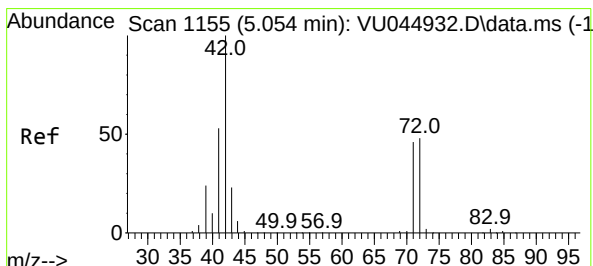
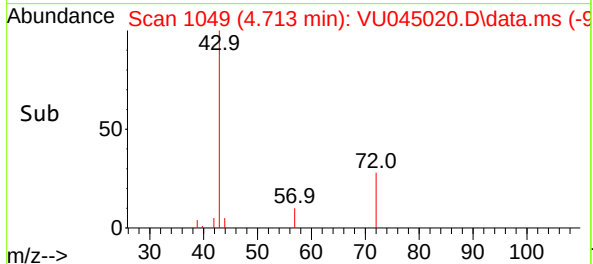
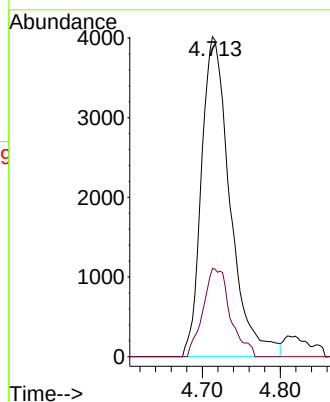
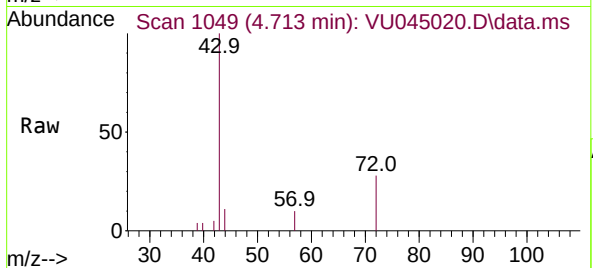
Acq: 30 Sep 2021 02:40

Tgt Ion: 43 Resp: 10257

Ion Ratio Lower Upper

43 100

72 27.5 21.3 31.9



#29

Tetrahydrofuran

Concen: 0.711 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.006 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

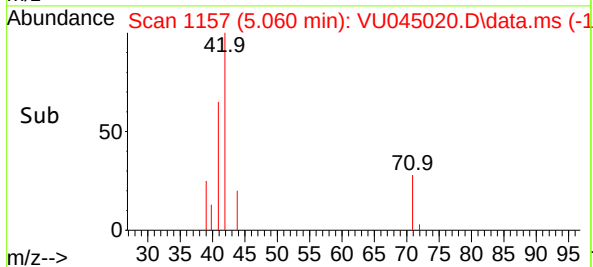
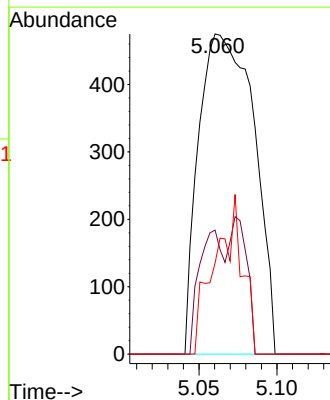
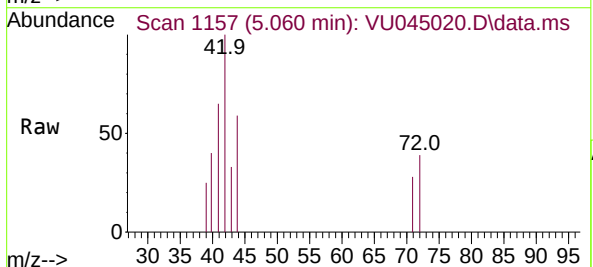
Tgt Ion: 42 Resp: 1170

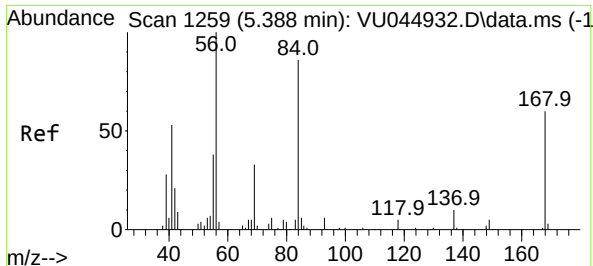
Ion Ratio Lower Upper

42 100

72 17.4 36.2 54.4#

71 15.4 34.1 51.1#





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 5.375 min Scan# 1255

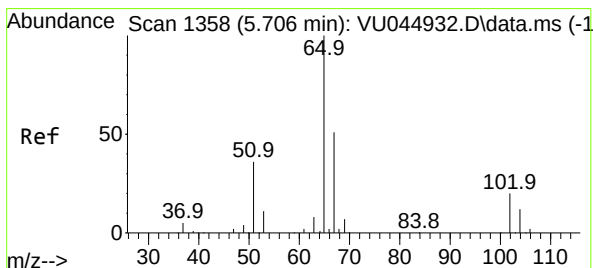
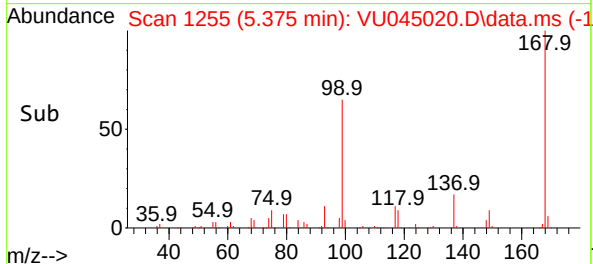
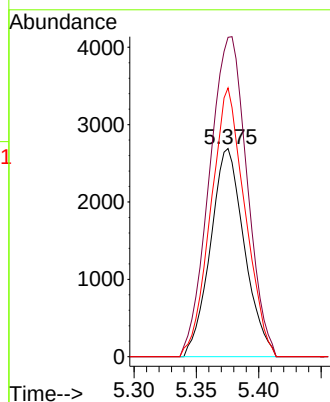
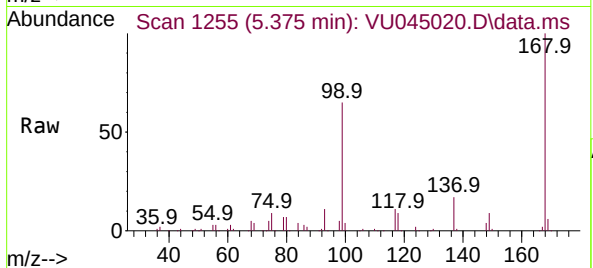
Delta R.T. -0.013 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

Tgt Ion:	56	Resp:	5098
Ion	Ratio	Lower	Upper
56	100		
69	153.3	25.2	37.8#
84	129.1	66.4	99.6#

Instrument :
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PB139450ZHE#03



#33

1,2-Dichloroethane-d4

Concen: 47.245 ug/l

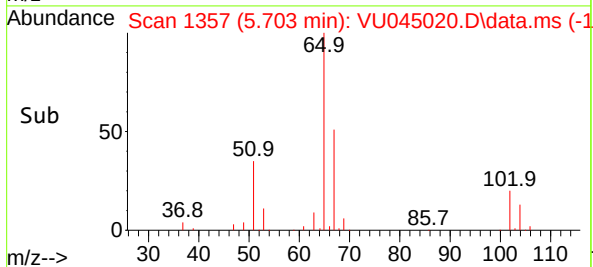
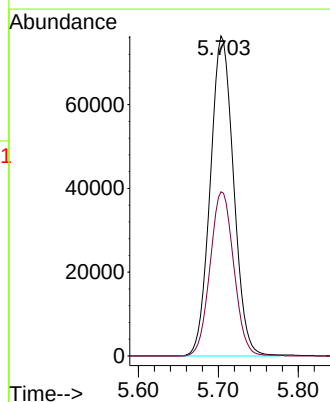
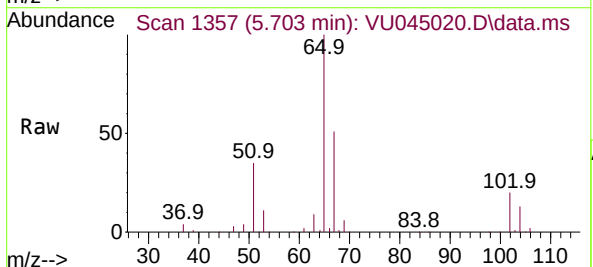
RT: 5.703 min Scan# 1357

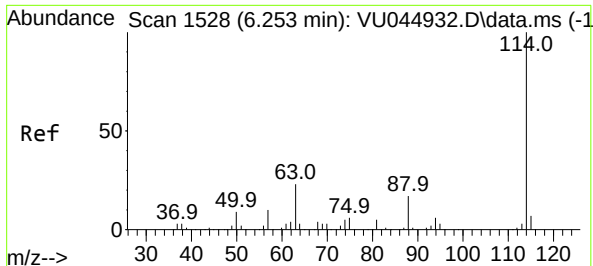
Delta R.T. -0.003 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

Tgt Ion:	65	Resp:	154805
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

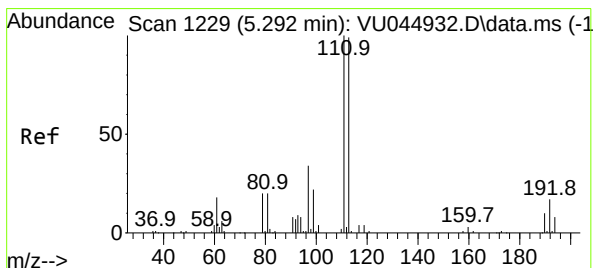
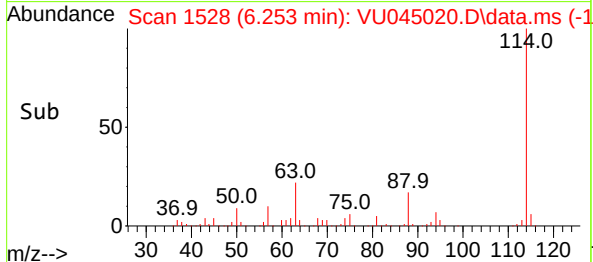
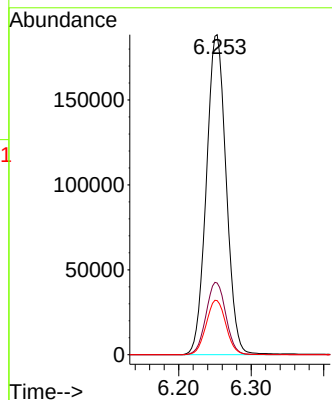
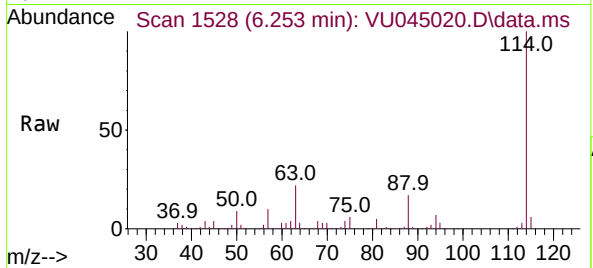




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

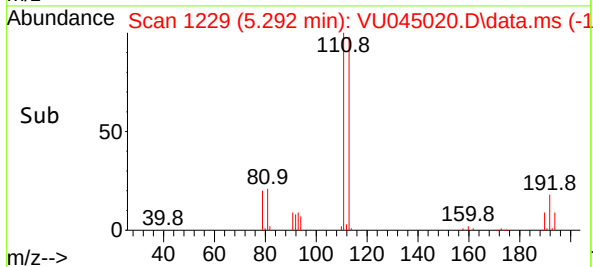
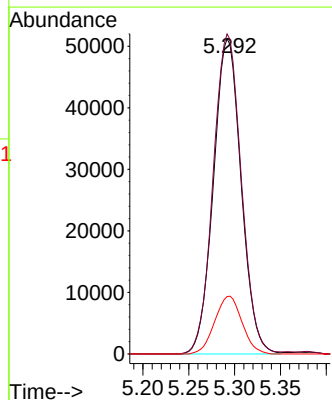
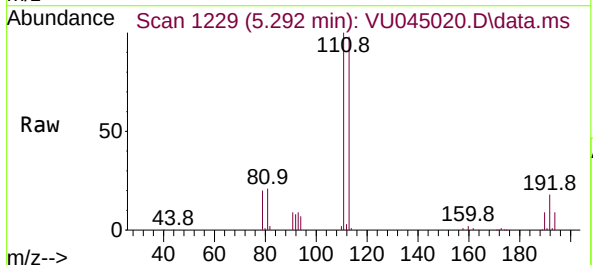
Instrument :
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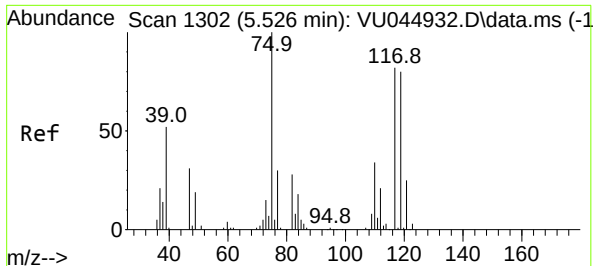
Tgt Ion:114 Resp: 357466
Ion Ratio Lower Upper
114 100
63 22.4 0.0 47.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.678 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion:113 Resp: 107515
Ion Ratio Lower Upper
113 100
111 103.2 84.1 126.1
192 18.1 14.8 22.2

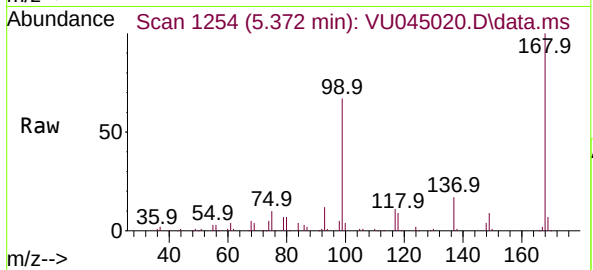




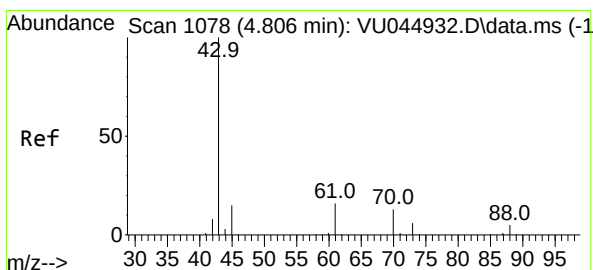
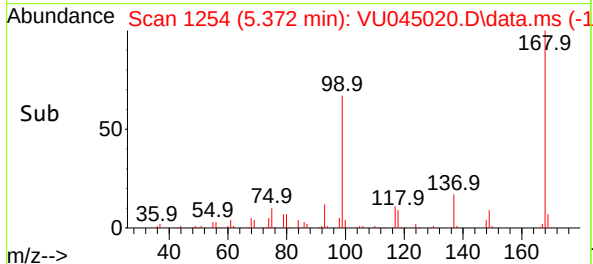
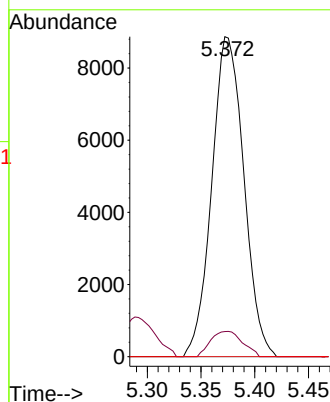
#36

1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03



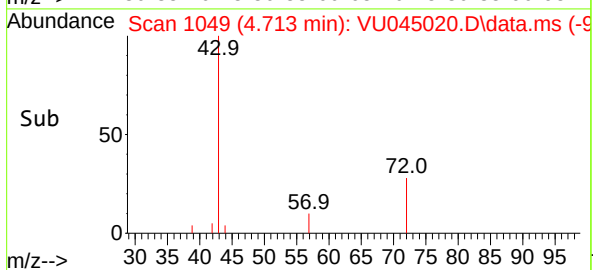
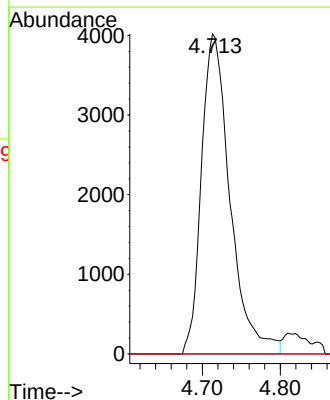
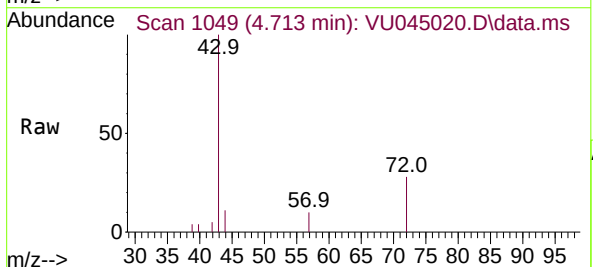
Tgt Ion:	75	Resp:	18384
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.3	48.9#
77	0.0	25.0	37.4#

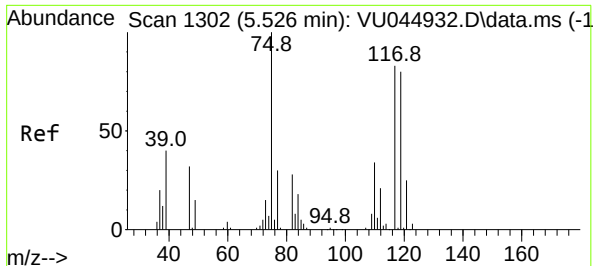


#37

Ethyl Acetate
Concen: 2.074 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

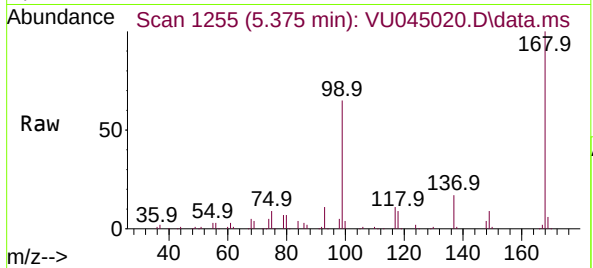
Tgt Ion:	43	Resp:	10257
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#



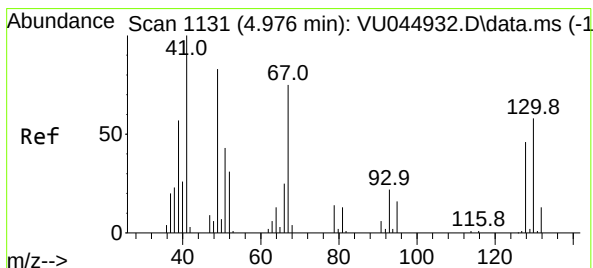
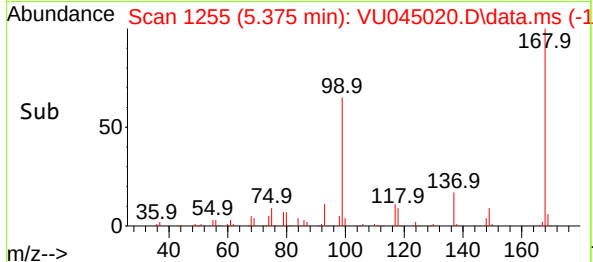
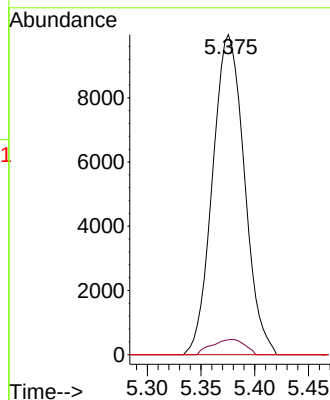


#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

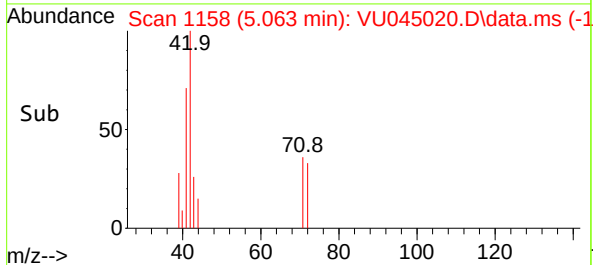
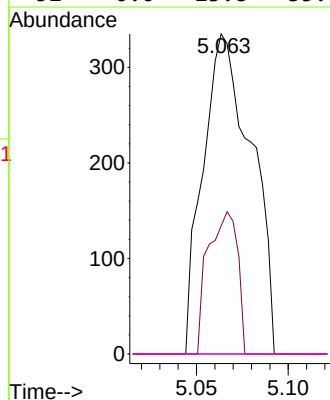
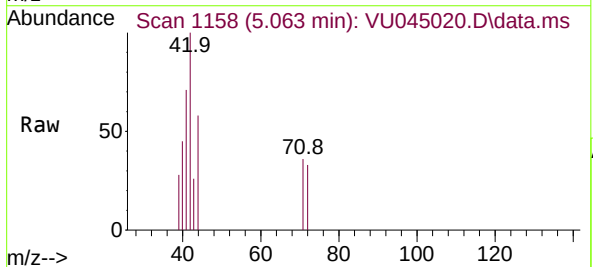


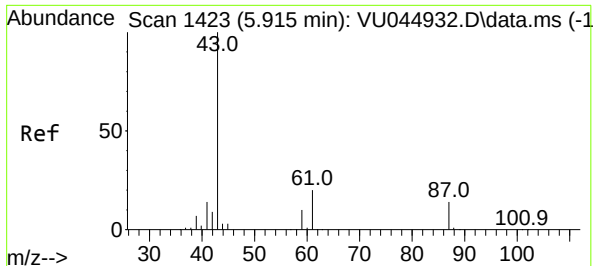
Tgt Ion: 117 Resp: 20527
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.087 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 41 Resp: 614
Ion Ratio Lower Upper
41 100
39 27.0 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

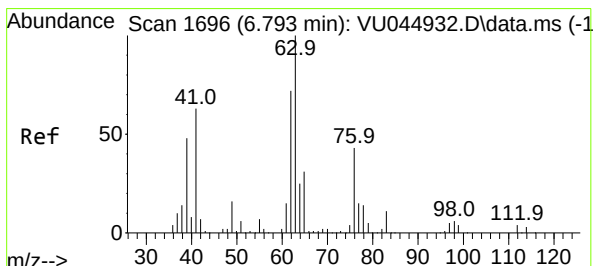
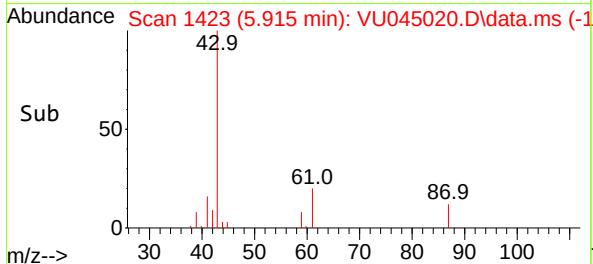
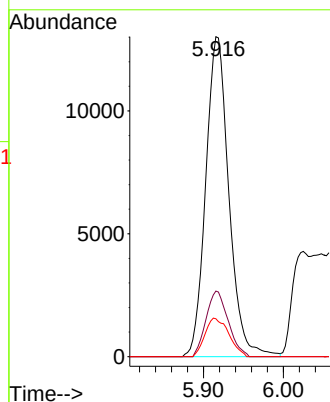
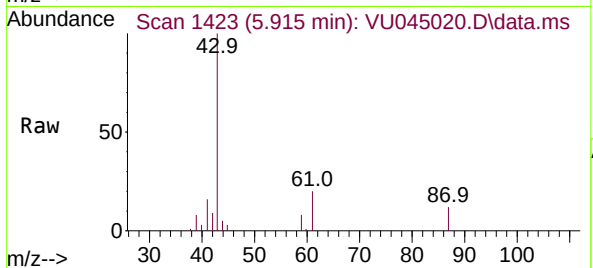




#43
Isopropyl Acetate
Concen: 3.521 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

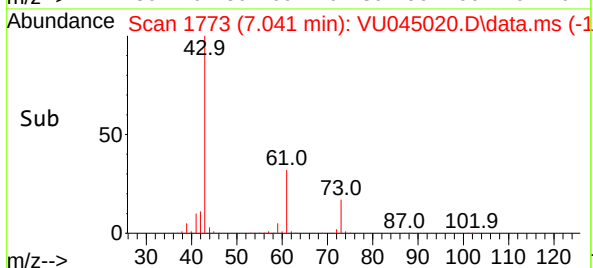
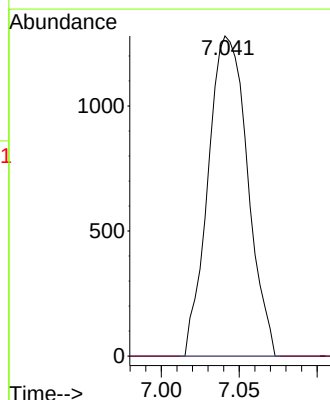
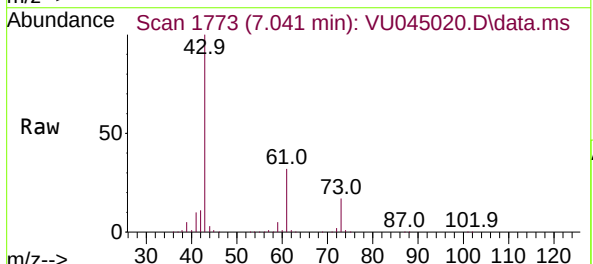
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

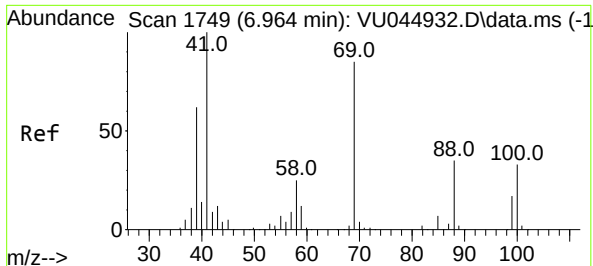
Tgt Ion:	43	Resp:	26204
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	12.4	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.765 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion:	63	Resp:	2257
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.504 ug/l

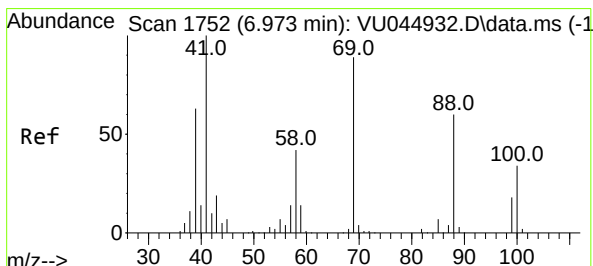
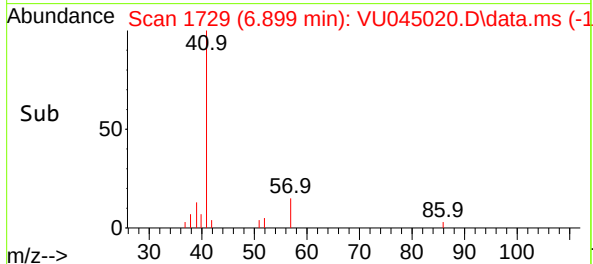
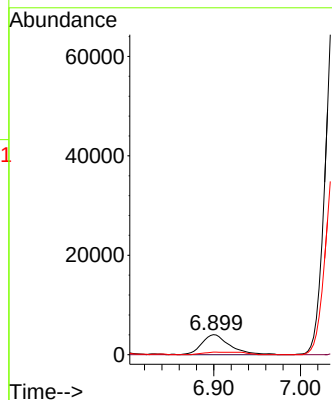
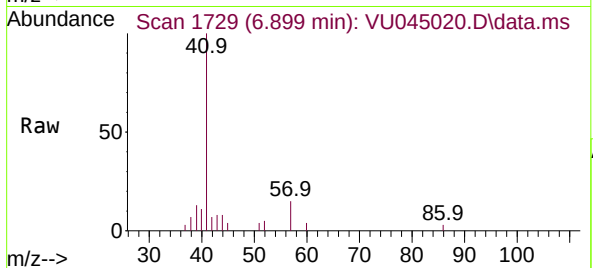
RT: 6.899 min Scan# 1729

Delta R.T. -0.065 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

Tgt Ion:	41	Resp:	9069
Ion Ratio	Lower	Upper	
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#



#49

1,4-Dioxane

Concen: Below Cal

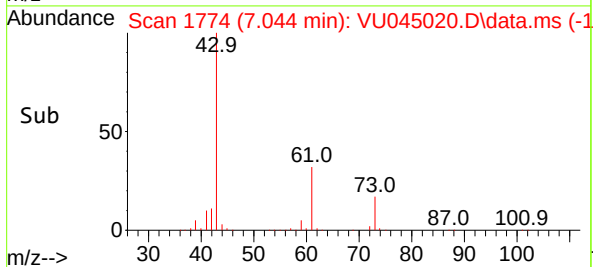
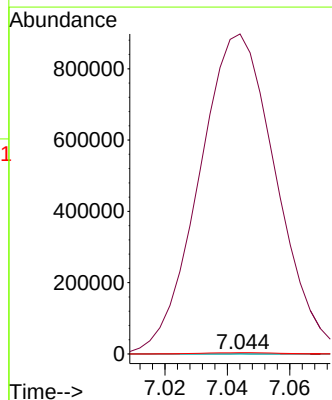
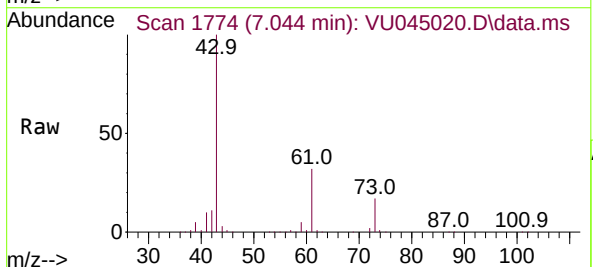
RT: 7.044 min Scan# 1774

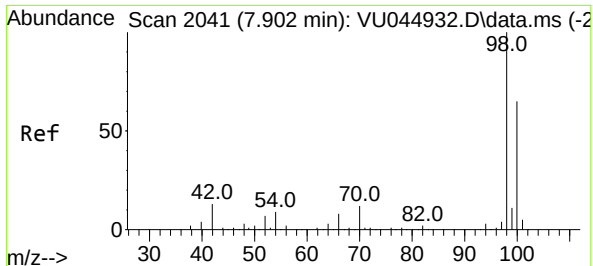
Delta R.T. 0.071 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

Tgt Ion:	88	Resp:	238
Ion Ratio	Lower	Upper	
88	100		
43	655660.1	25.8	38.6#
58	2717.2	61.3	91.9#

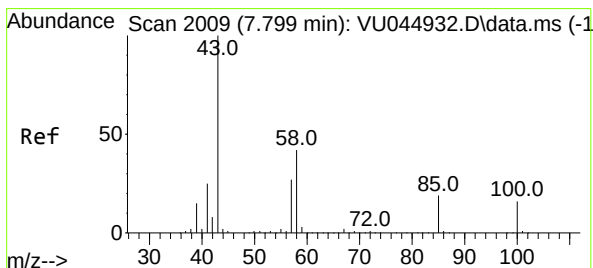
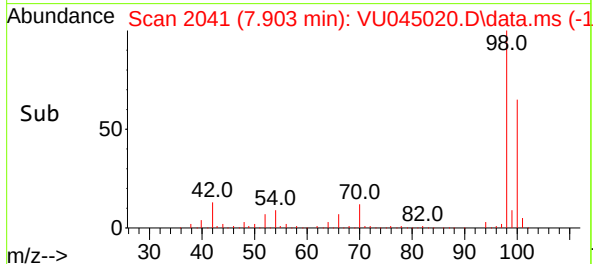
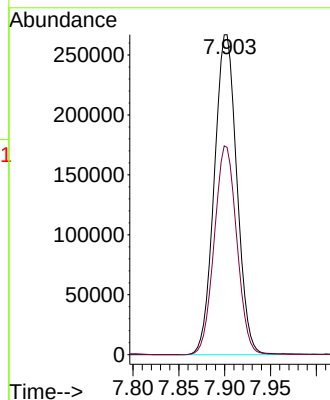
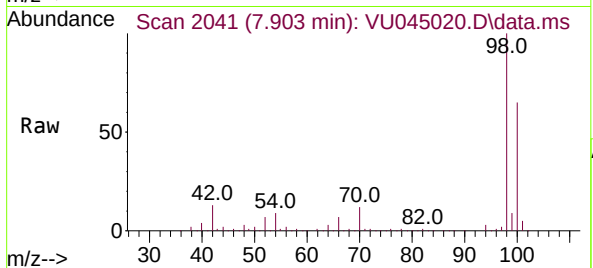




#50
Toluene-d8
Concen: 51.223 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

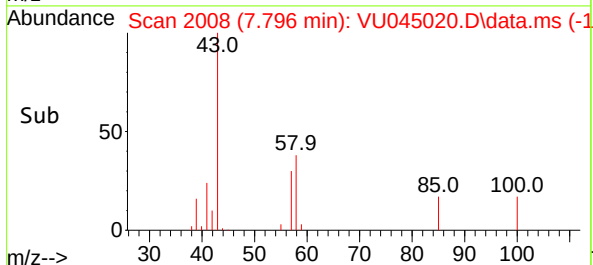
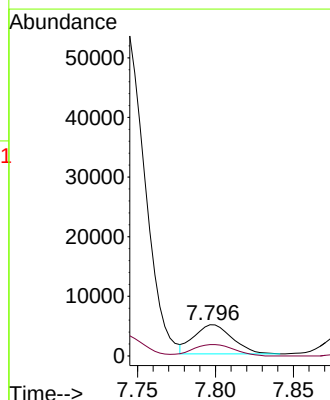
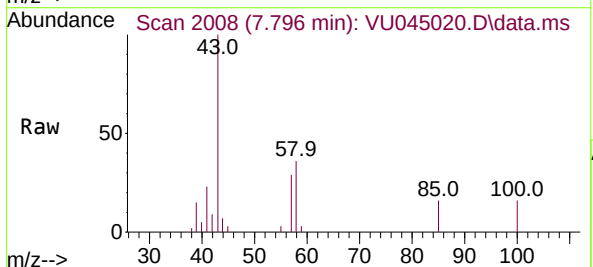
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

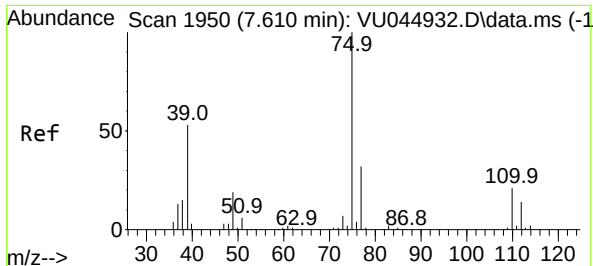
Tgt Ion: 98 Resp: 456395
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.531 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 43 Resp: 8295
Ion Ratio Lower Upper
43 100
58 43.0 32.4 48.6

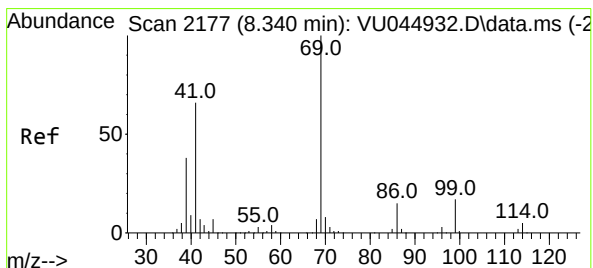
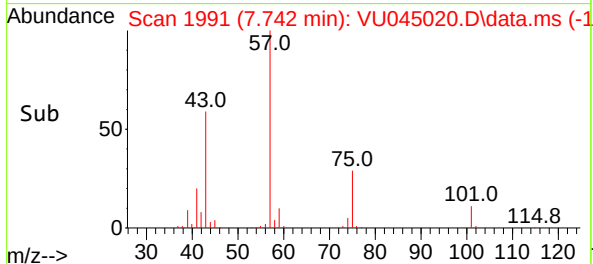
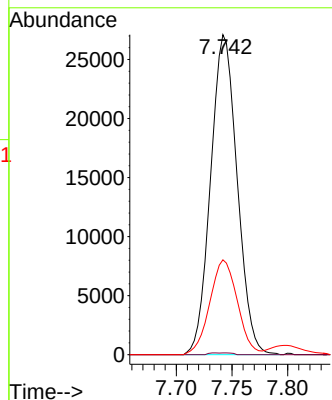
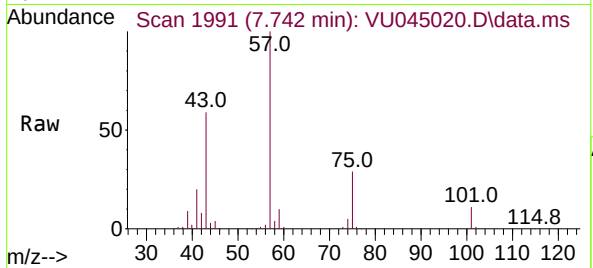




#54
 cis-1,3-Dichloropropene
 Concen: 9.777 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045020.D
 Acq: 30 Sep 2021 02:40

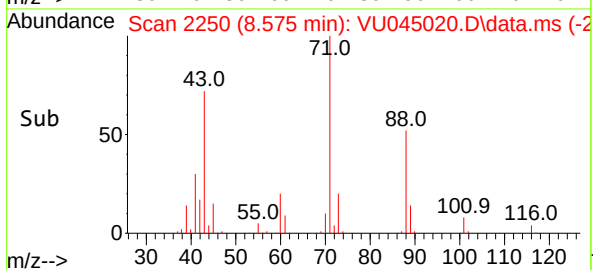
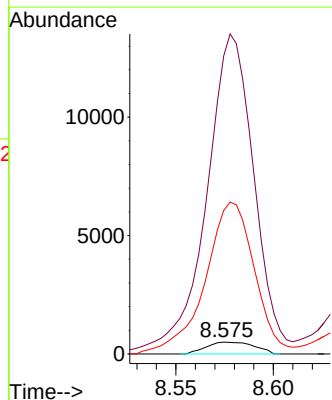
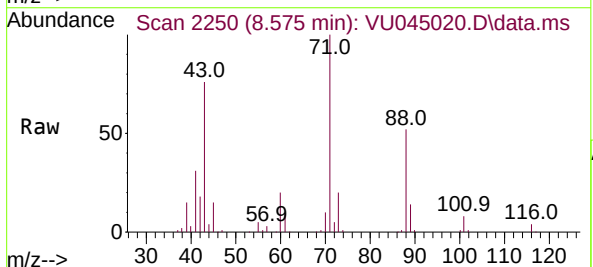
Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#03

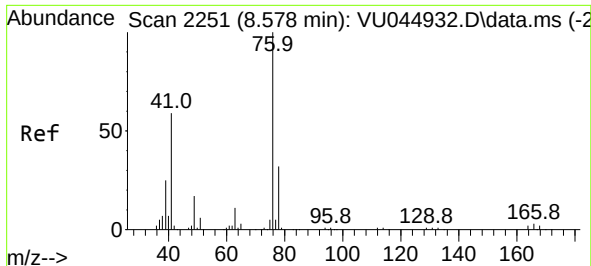
Tgt Ion: 75 Resp: 44964
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 29.7 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.967 ug/l
 RT: 8.575 min Scan# 2250
 Delta R.T. 0.235 min
 Lab File: VU045020.D
 Acq: 30 Sep 2021 02:40

Tgt Ion: 69 Resp: 857
 Ion Ratio Lower Upper
 69 100
 41 2598.2 53.5 80.3#
 39 1317.2 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 5.809 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.154 min

Lab File: VU045020.D

Acq: 30 Sep 2021 02:40

Tgt Ion: 76 Resp: 30103

Ion Ratio Lower Upper

76 100

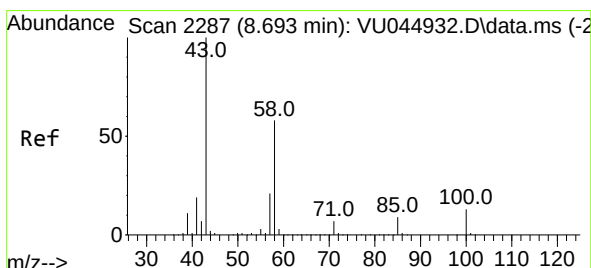
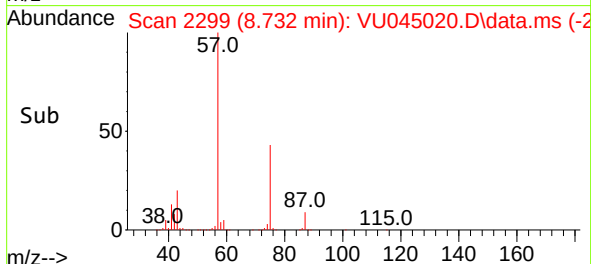
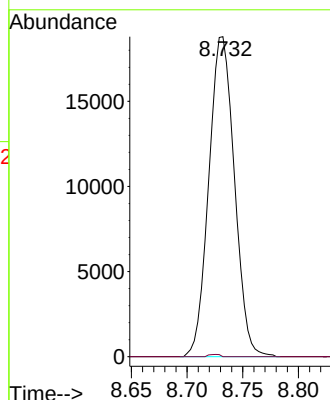
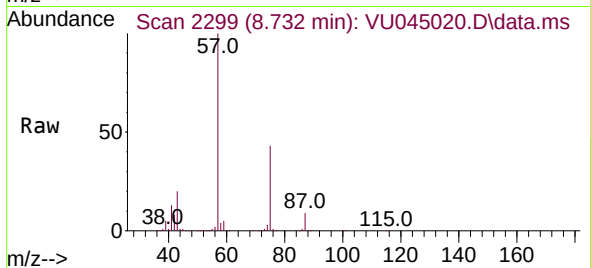
78 0.3 25.7 38.5#

Instrument :

MSVOA_U

ClientSampleId :

PB139450ZHE#03



#59

2-Hexanone

Concen: 93.497 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.039 min

Lab File: VU045020.D

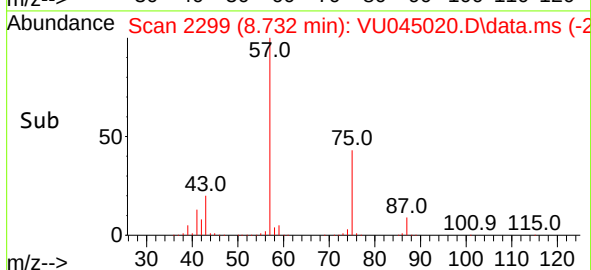
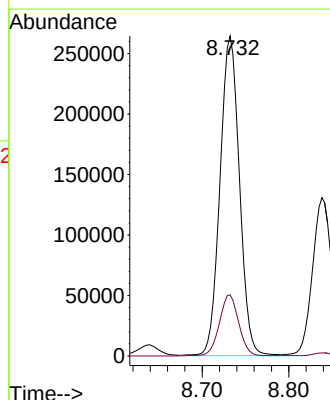
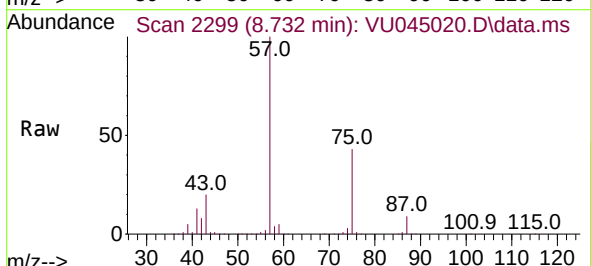
Acq: 30 Sep 2021 02:40

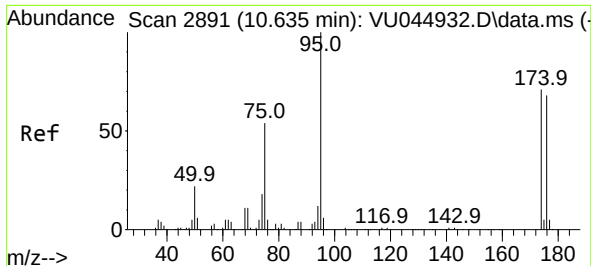
Tgt Ion: 43 Resp: 412459

Ion Ratio Lower Upper

43 100

58 19.2 28.0 84.0#

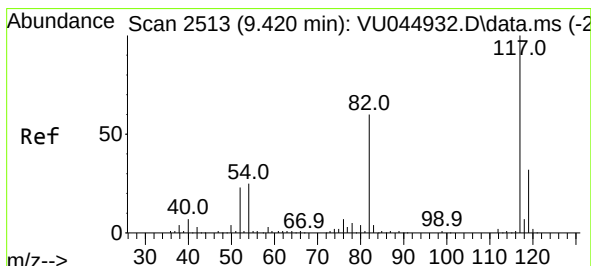
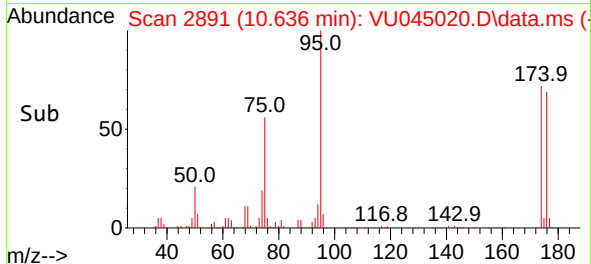
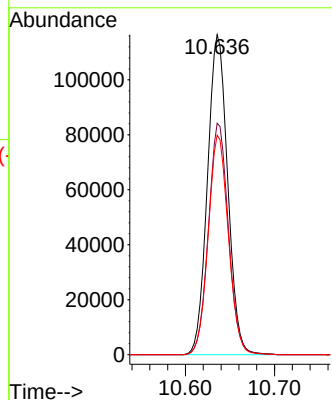
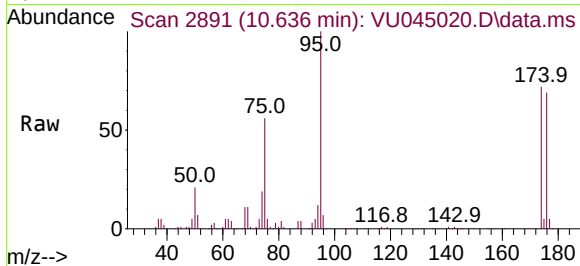




#62
4-Bromofluorobenzene
Concen: 49.848 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

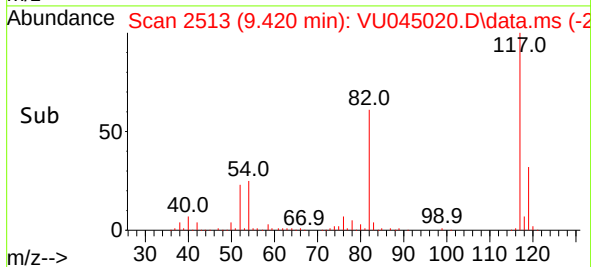
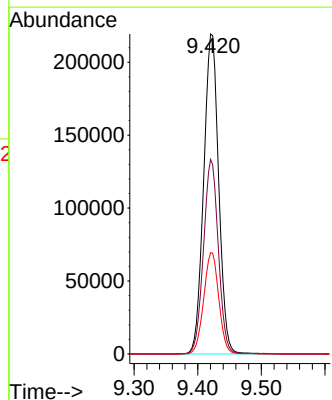
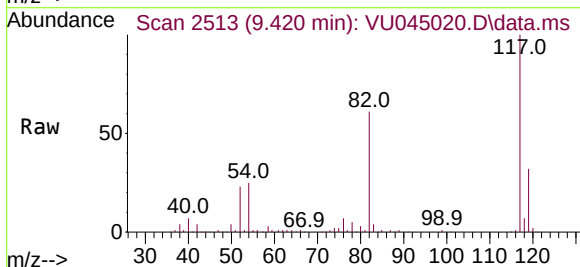
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#03

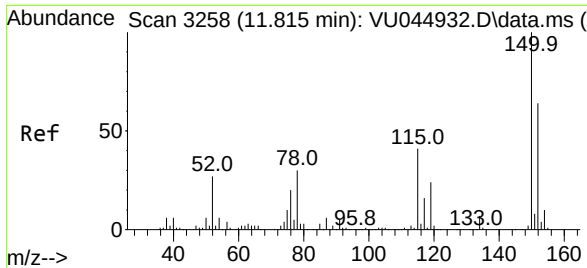
Tgt Ion: 95 Resp: 183367
Ion Ratio Lower Upper
95 100
174 71.7 0.0 146.6
176 68.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045020.D
Acq: 30 Sep 2021 02:40

Tgt Ion: 117 Resp: 359308
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 31.7 25.8 38.6

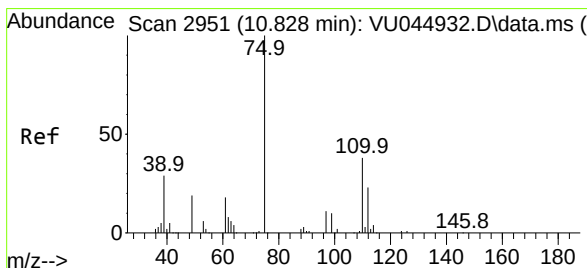
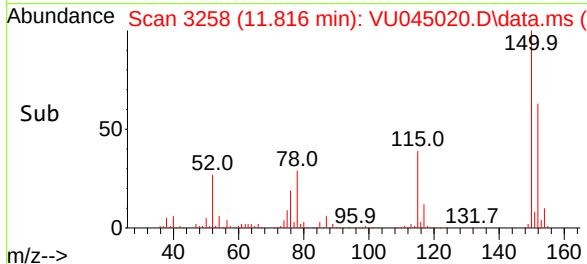
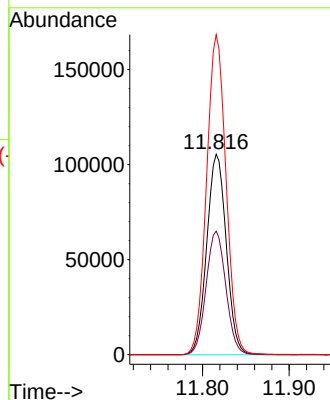
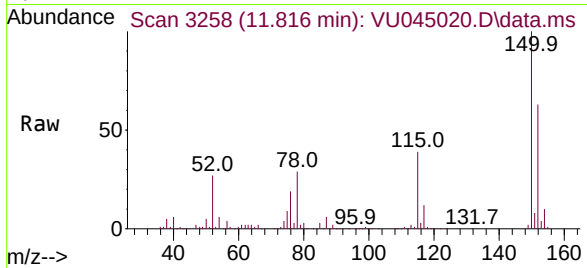




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045020.D
 Acq: 30 Sep 2021 02:40

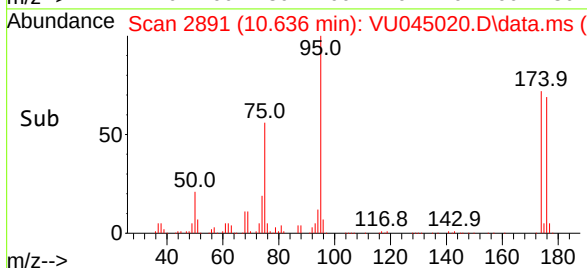
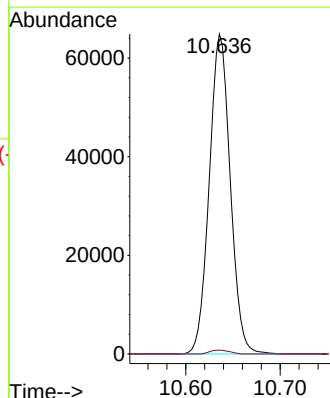
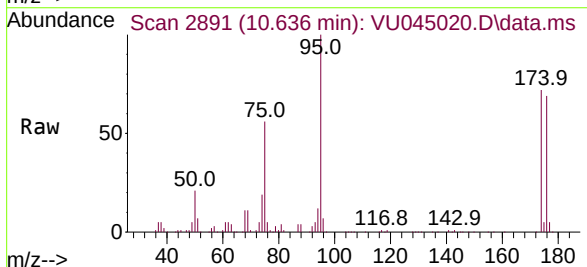
Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#03

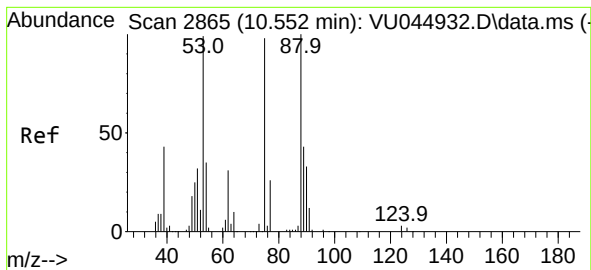
Tgt Ion:152 Resp: 165494
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.5 130.7
 150 158.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.749 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045020.D
 Acq: 30 Sep 2021 02:40

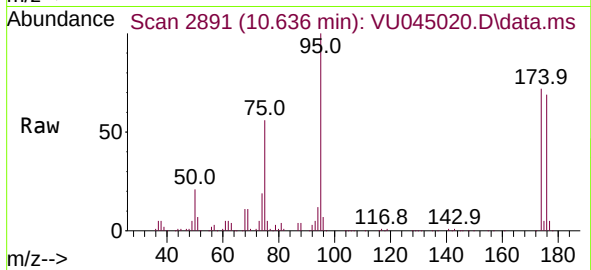
Tgt Ion: 75 Resp: 100159
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.582 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU045020.D
 Acq: 30 Sep 2021 02:40

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#03



Tgt Ion: 75 Resp: 100159
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

