

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045019.D
 Acq On : 30 Sep 2021 02:16
 Operator : SY/MD
 Sample : PB139450ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#02

Quant Time: Sep 30 05:29:07 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)

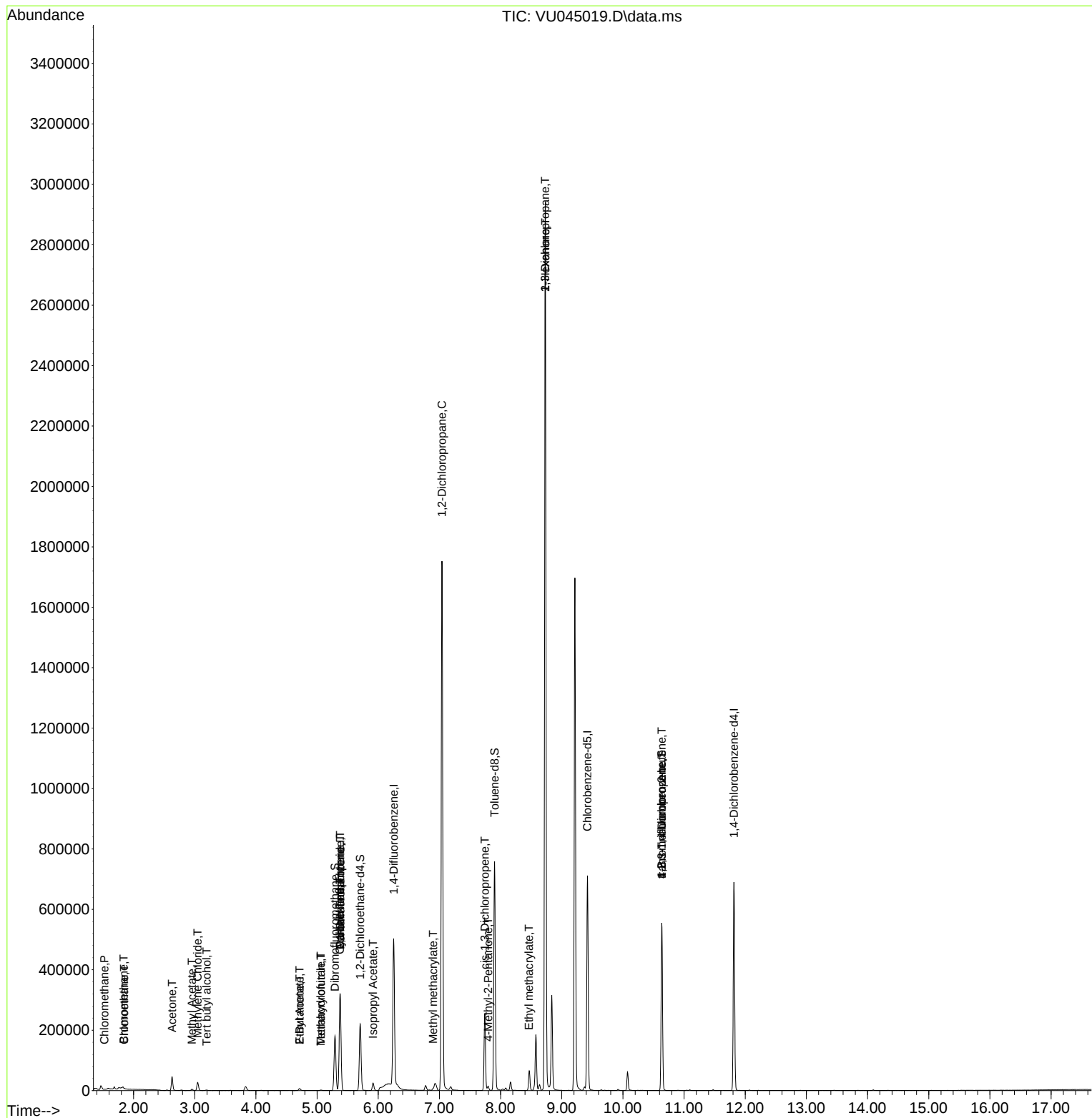
Internal Standards						
1) Pentafluorobenzene	5.378	168	209951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	376051	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	363269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	167416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	166150	47.541	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.080%		
35) Dibromofluoromethane	5.292	113	116364	49.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	7.902	98	481532	51.373	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.740%		
62) 4-Bromofluorobenzene	10.635	95	184036	47.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.120%		
Target Compounds						Qvalue
3) Chloromethane	1.523	50	767	0.228	ug/l	95
5) Bromomethane	1.838	94	711	0.539	ug/l	97
6) Chloroethane	1.845	64	1529	0.592	ug/l #	42
11) Tert butyl alcohol	3.195	59	1680	1.675	ug/l #	72
16) Acetone	2.629	43	50116	24.158	ug/l	97
18) Methyl Acetate	2.951	43	6249	1.031	ug/l	100
20) Methylene Chloride	3.047	84	12988	4.157	ug/l	96
25) 2-Butanone	4.713	43	10206	3.463	ug/l	97
29) Tetrahydrofuran	5.060	42	1131	0.645	ug/l	93
31) Cyclohexane	5.372	56	5424	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19442	4.944	ug/l #	49
37) Ethyl Acetate	4.713	43	10206	1.961	ug/l #	69
38) Carbon Tetrachloride	5.375	117	22060	6.483	ug/l #	16
41) Methacrylonitrile	5.060	41	621	0.232	ug/l #	50
43) Isopropyl Acetate	5.915	43	26643	3.404	ug/l	99
45) 1,2-Dichloropropane	7.041	63	2146	0.691	ug/l #	45
48) Methyl methacrylate	6.896	41	9017	2.366	ug/l #	14
49) 1,4-Dioxane	7.044	88	178	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	8310	1.458	ug/l	94
54) cis-1,3-Dichloropropene	7.742	75	44253	9.147	ug/l #	61
56) Ethyl methacrylate	8.462	69	180	1.850	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	29507	5.413	ug/l #	43
59) 2-Hexanone	8.732	43	404362	87.131	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	98685	20.209	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	98685	56.083	ug/l #	9

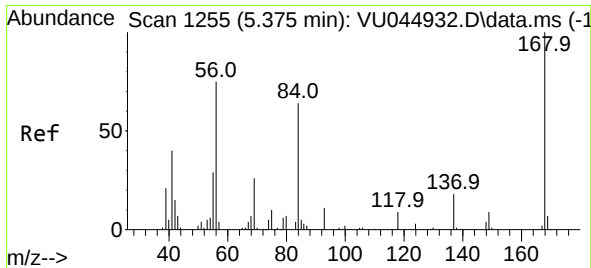
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
Data File : VU045019.D
Acq On : 30 Sep 2021 02:16
Operator : SY/MD
Sample : PB139450ZHE#02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

Quant Time: Sep 30 05:29:07 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

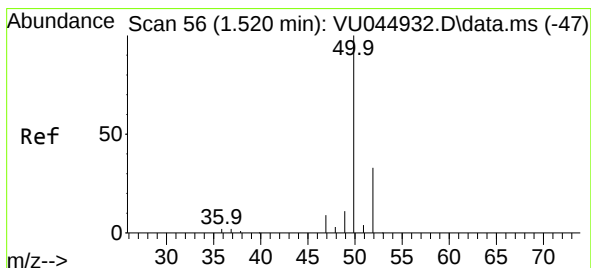
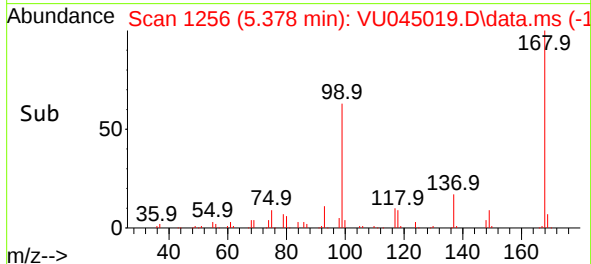
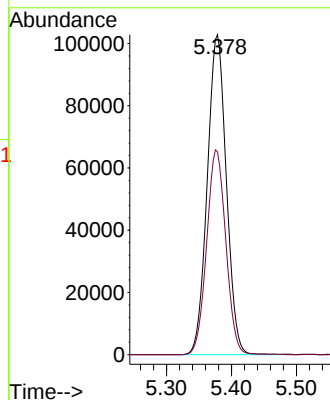
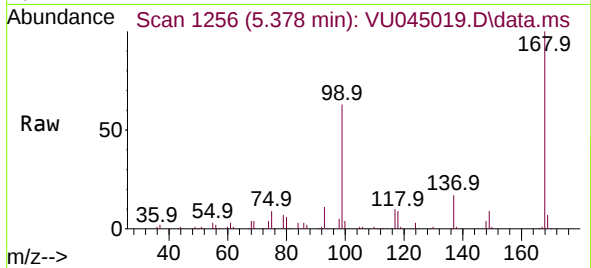




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

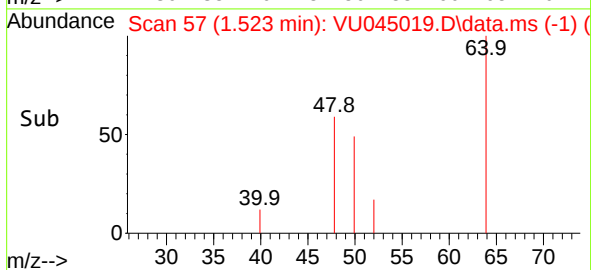
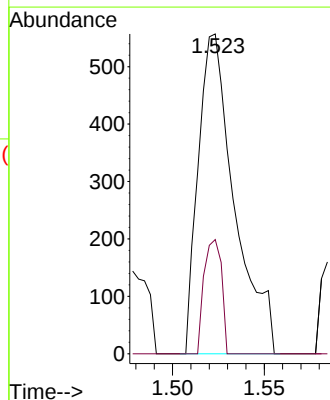
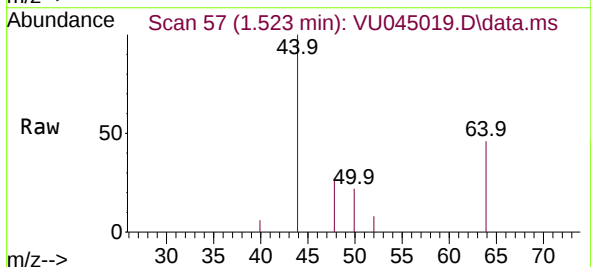
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

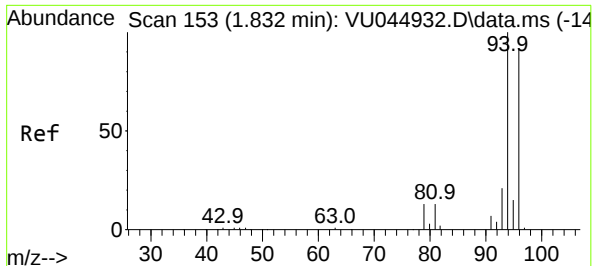
Tgt Ion:168 Resp: 209951
Ion Ratio Lower Upper
168 100
99 63.4 51.4 77.0



#3
Chloromethane
Concen: 0.228 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 50 Resp: 767
Ion Ratio Lower Upper
50 100
52 35.7 26.3 39.5

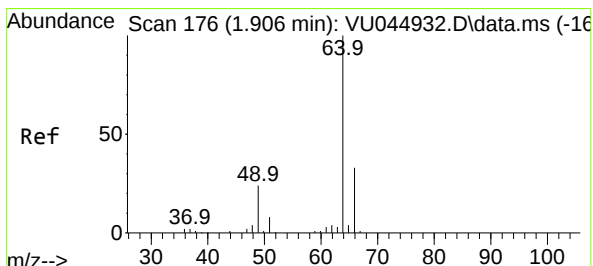
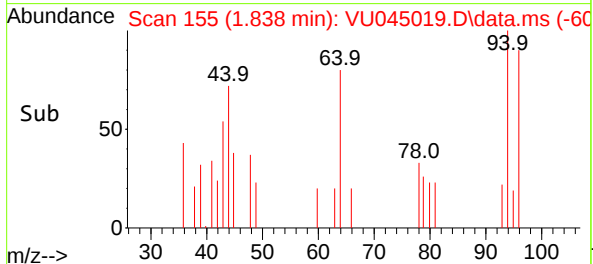
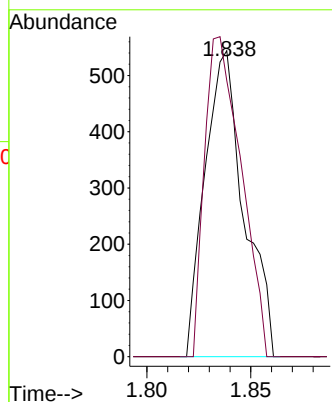
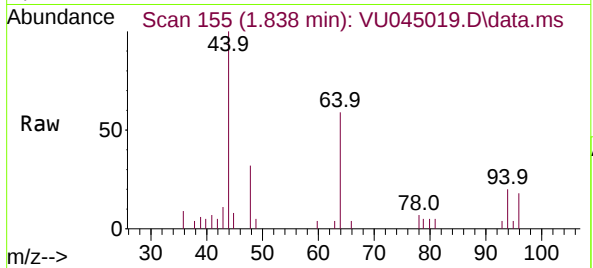




#5
Bromomethane
Concen: 0.539 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.006 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

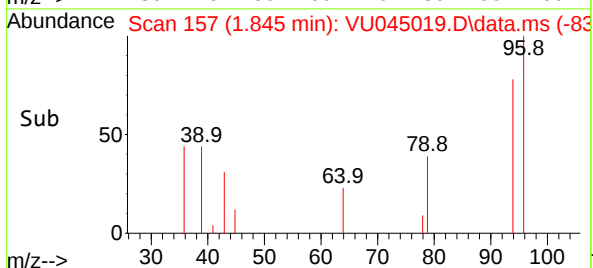
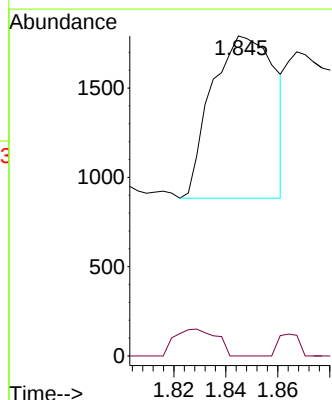
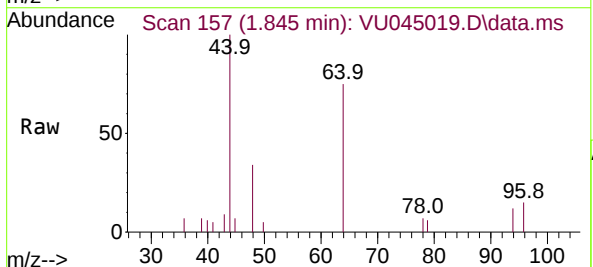
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

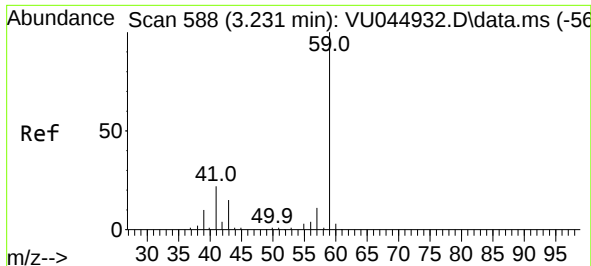
Tgt Ion: 94 Resp: 711
Ion Ratio Lower Upper
94 100
96 90.3 74.5 111.7



#6
Chloroethane
Concen: 0.592 ug/l
RT: 1.845 min Scan# 157
Delta R.T. -0.061 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 64 Resp: 1529
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#

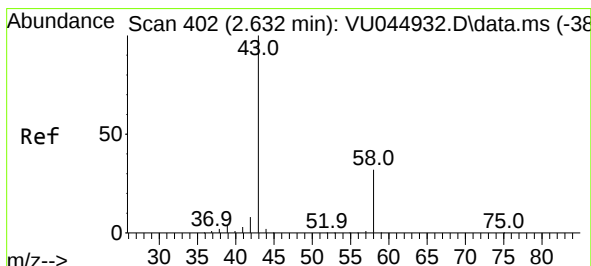
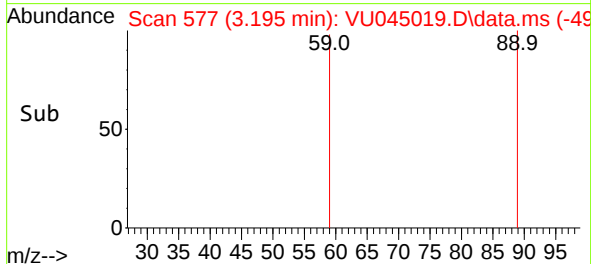
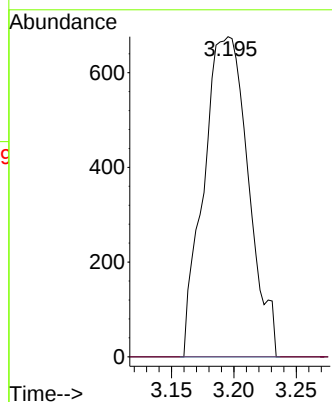
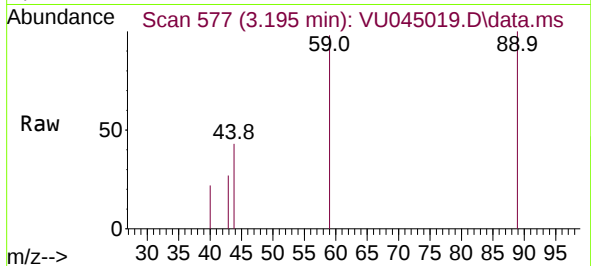




#11
Tert butyl alcohol
Concen: 1.675 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

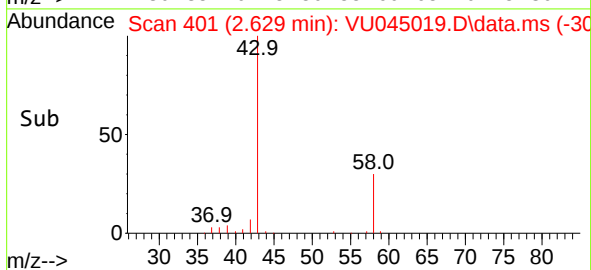
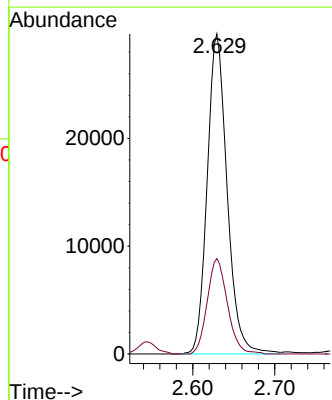
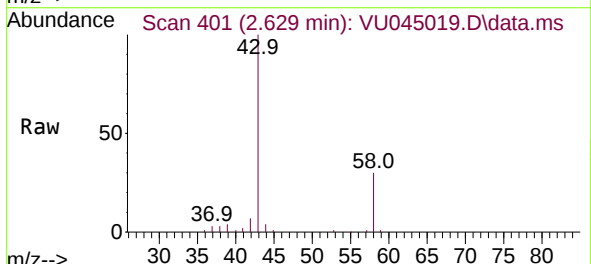
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

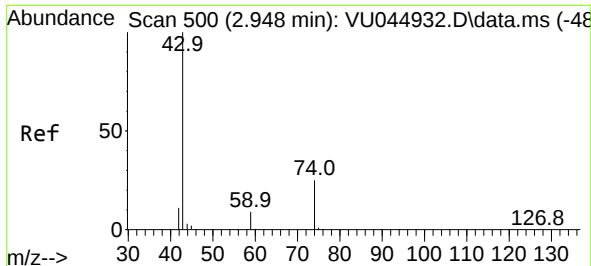
Tgt Ion: 59 Resp: 1680
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 24.158 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 43 Resp: 50116
Ion Ratio Lower Upper
43 100
58 29.8 25.2 37.8

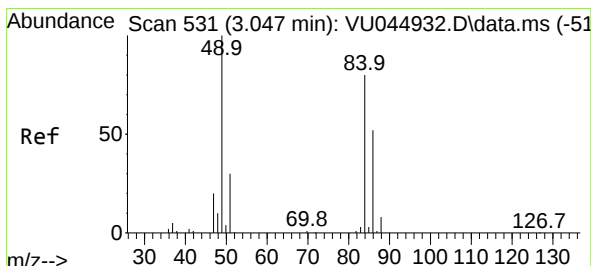
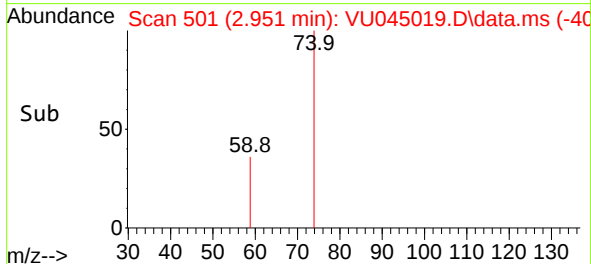
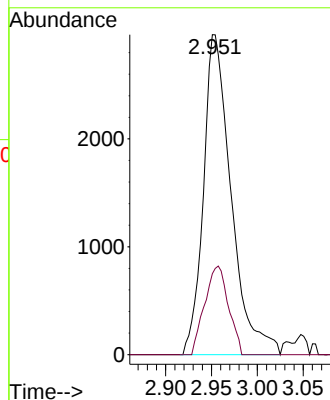
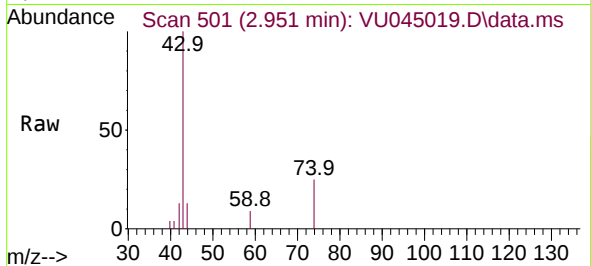




#18
Methyl Acetate
Concen: 1.031 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

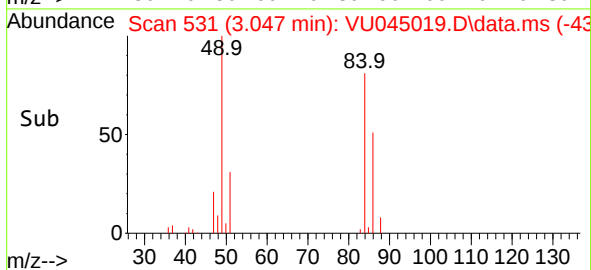
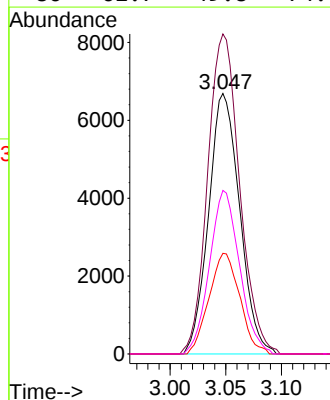
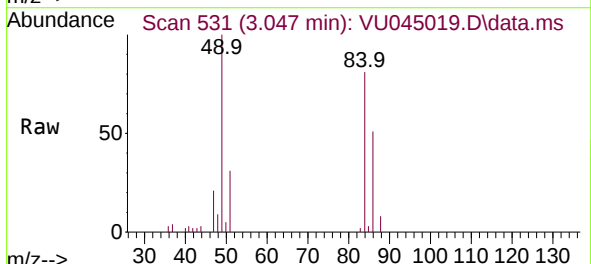
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

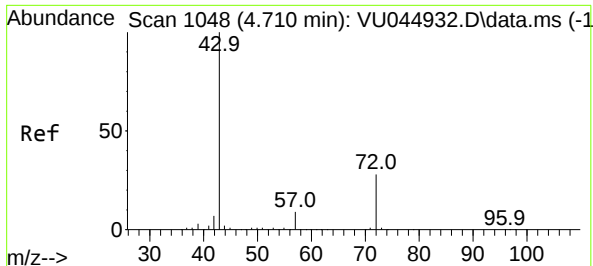
Tgt Ion: 43 Resp: 6249
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.6



#20
Methylene Chloride
Concen: 4.157 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 84 Resp: 12988
Ion Ratio Lower Upper
84 100
49 122.8 104.9 157.3
51 38.6 31.8 47.8
86 62.7 49.8 74.6





#25

2-Butanone

Concen: 3.463 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU045019.D

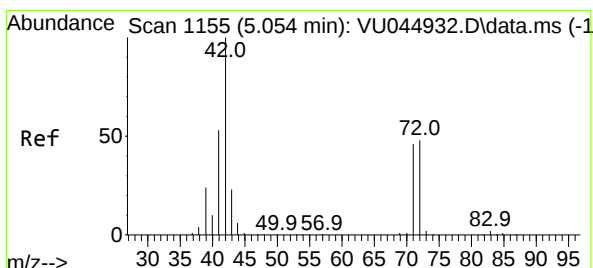
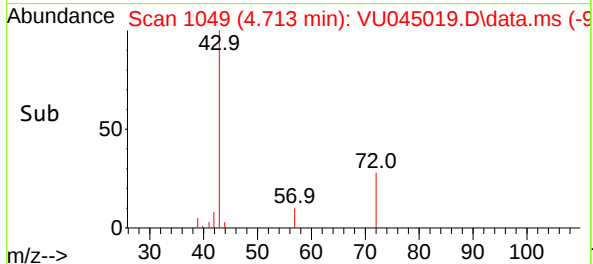
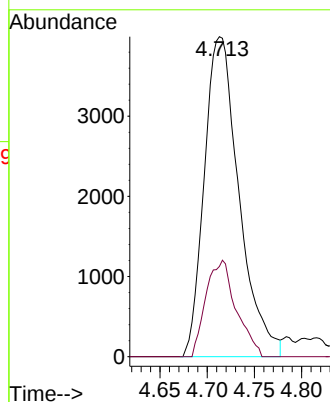
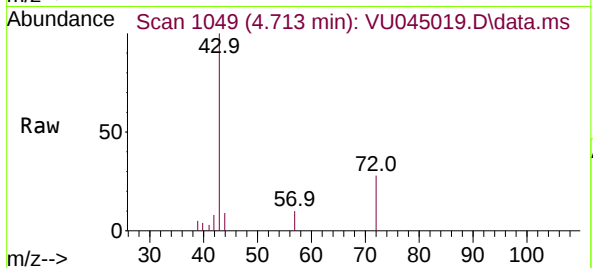
Acq: 30 Sep 2021 02:16

Tgt Ion: 43 Resp: 10206

Ion Ratio Lower Upper

43 100

72 28.2 21.3 31.9



#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.006 min

Lab File: VU045019.D

Acq: 30 Sep 2021 02:16

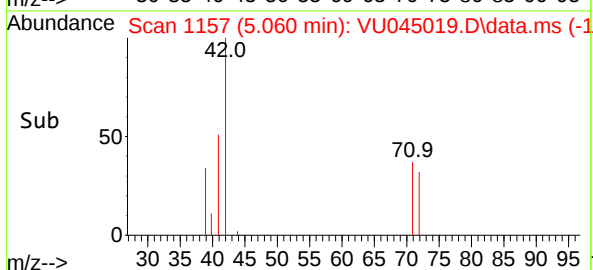
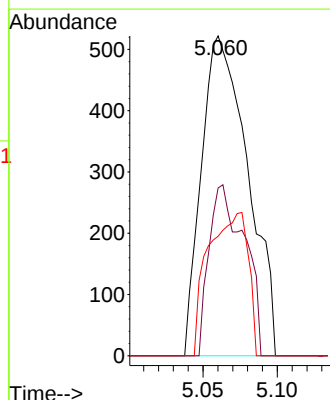
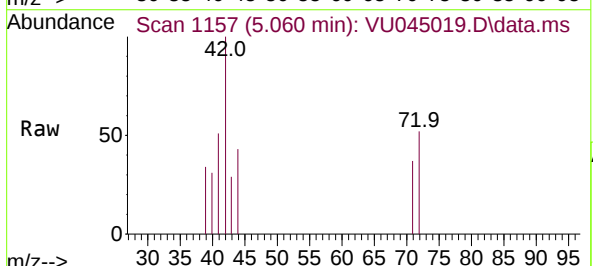
Tgt Ion: 42 Resp: 1131

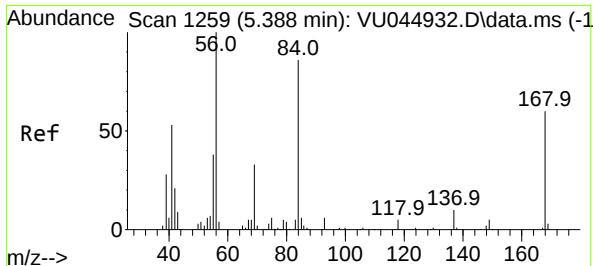
Ion Ratio Lower Upper

42 100

72 40.8 36.2 54.4

71 38.5 34.1 51.1

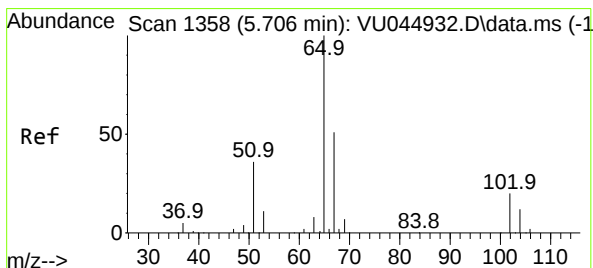
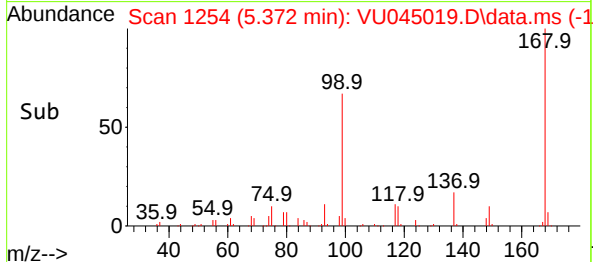
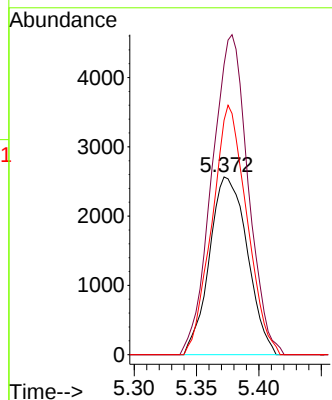
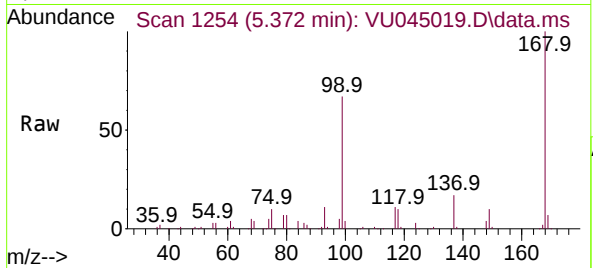




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.016 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

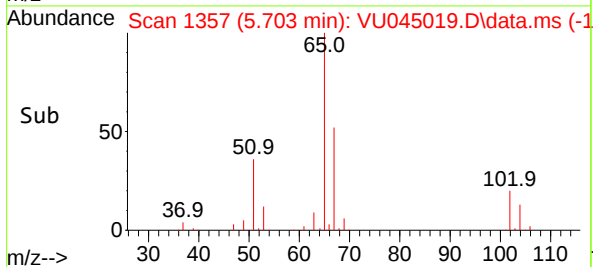
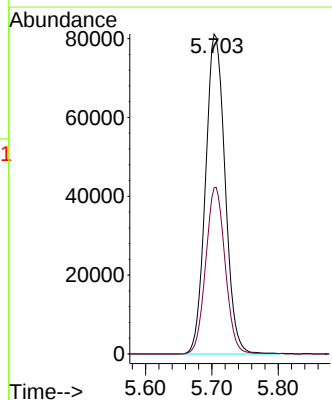
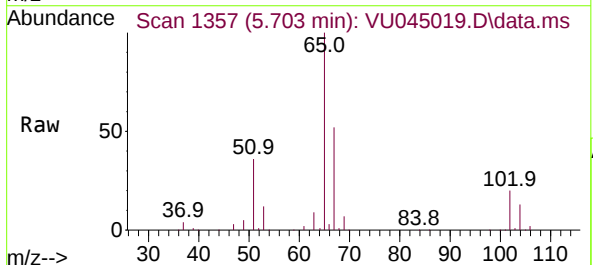
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

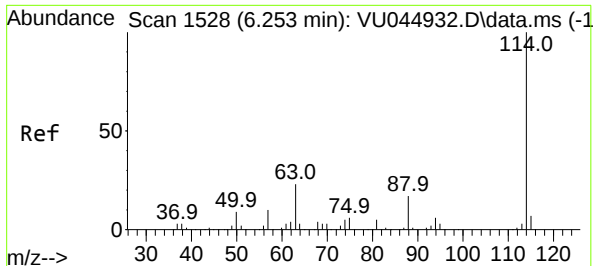
Tgt Ion: 56 Resp: 5424
Ion Ratio Lower Upper
56 100
69 163.2 25.2 37.8#
84 131.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.541 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 65 Resp: 166150
Ion Ratio Lower Upper
65 100
67 51.8 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: VU045019.D

Acq: 30 Sep 2021 02:16

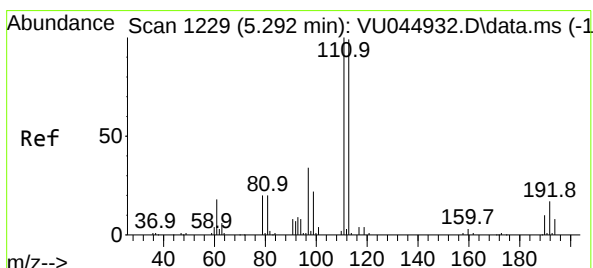
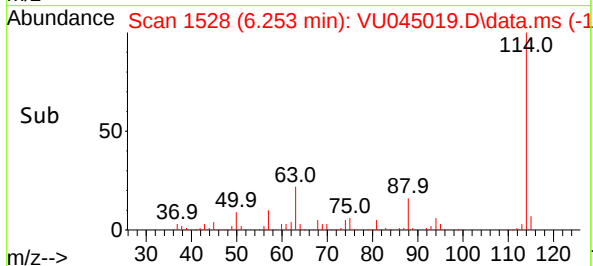
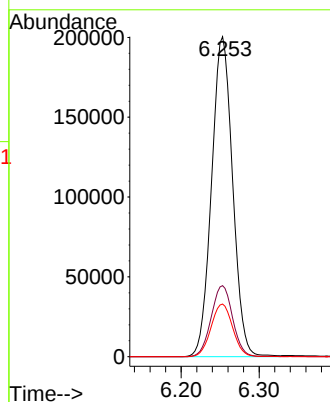
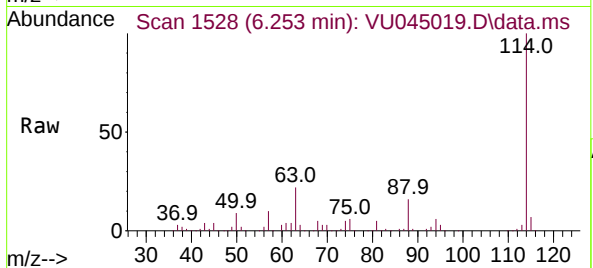
Instrument :

MSVOA_U

ClientSampleId :

PB139450ZHE#02

Tgt Ion:	114	Resp:	376051
Ion Ratio	Lower	Upper	
114	100		
63	22.2	0.0	47.8
88	16.5	0.0	32.8



#35

Dibromofluoromethane

Concen: 49.052 ug/l

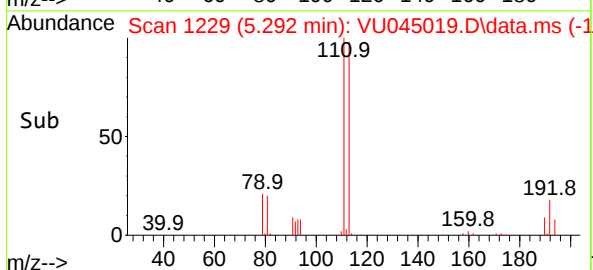
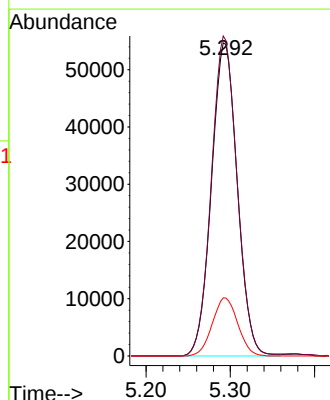
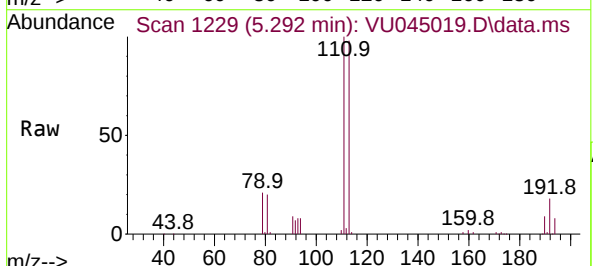
RT: 5.292 min Scan# 1229

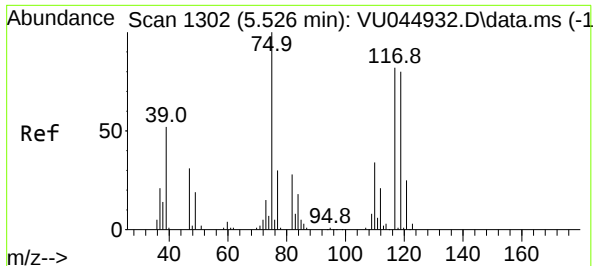
Delta R.T. -0.000 min

Lab File: VU045019.D

Acq: 30 Sep 2021 02:16

Tgt Ion:	113	Resp:	116364
Ion Ratio	Lower	Upper	
113	100		
111	101.6	84.1	126.1
192	18.3	14.8	22.2



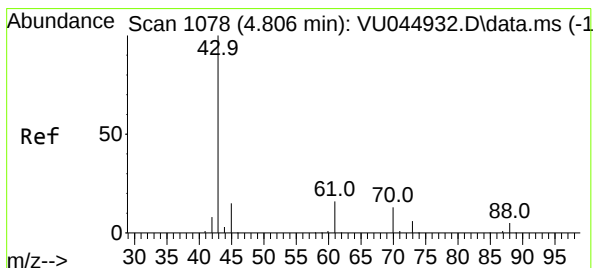
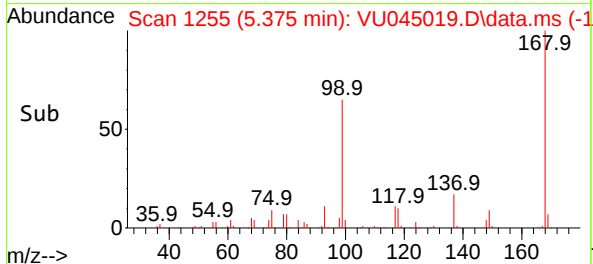
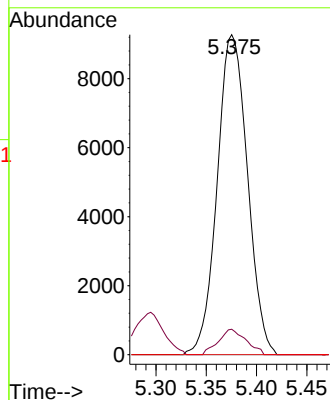
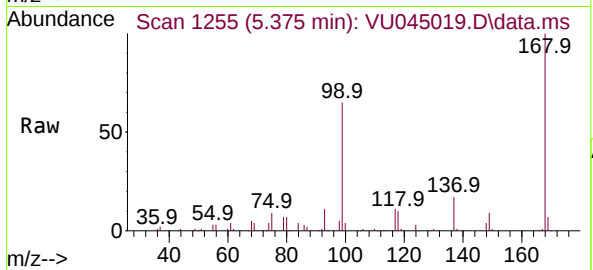


#36

1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

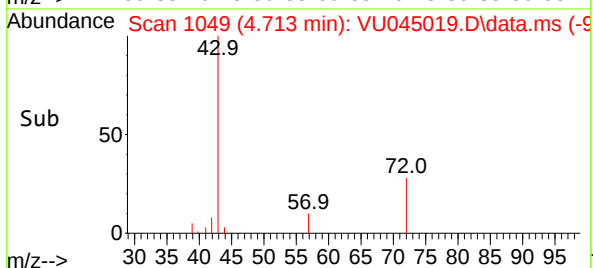
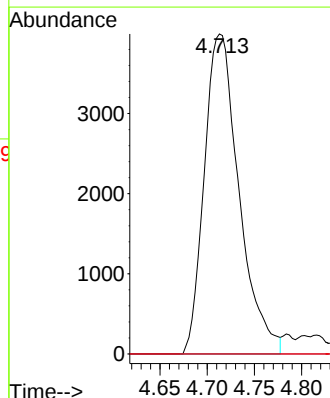
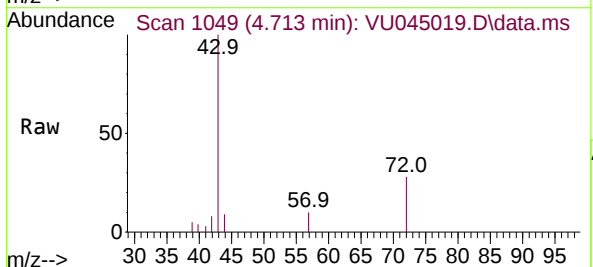
Tgt Ion: 75 Resp: 19442
Ion Ratio Lower Upper
75 100
110 7.2 16.3 48.9#
77 0.0 25.0 37.4#

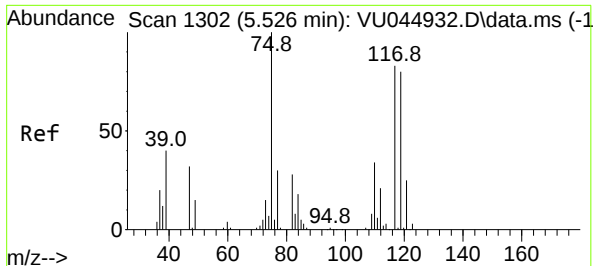


#37

Ethyl Acetate
Concen: 1.961 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.093 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

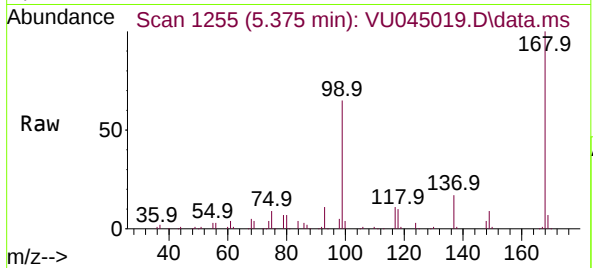
Tgt Ion: 43 Resp: 10206
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.4#



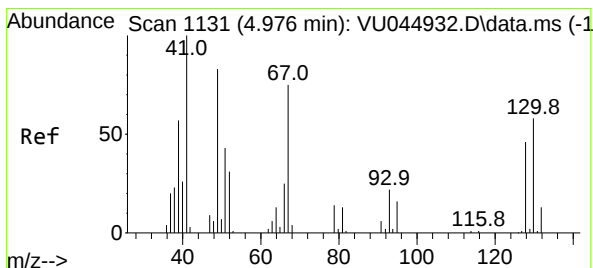
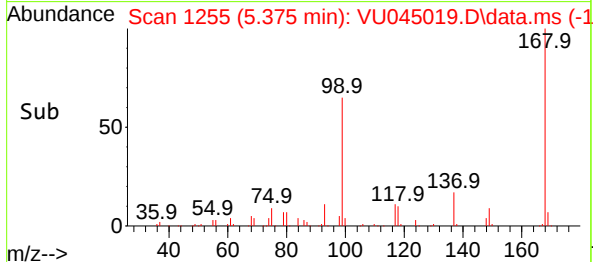
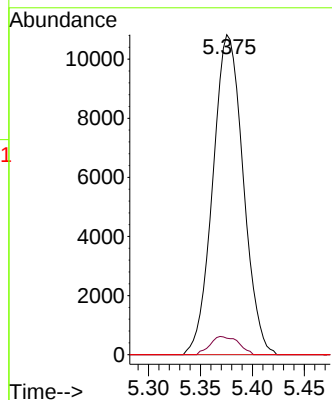


#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

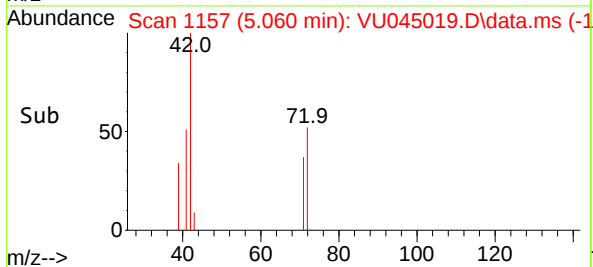
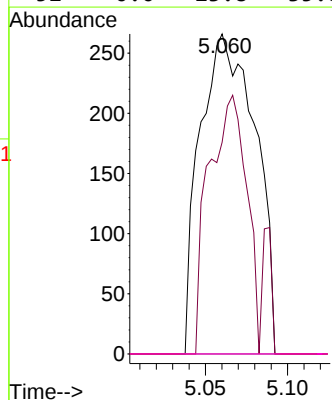
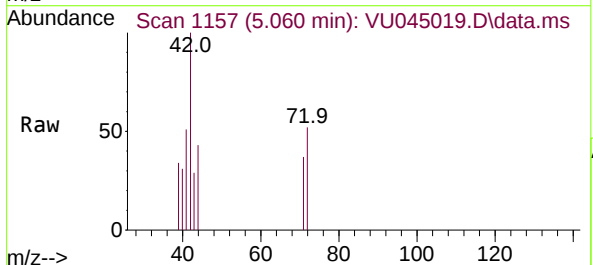


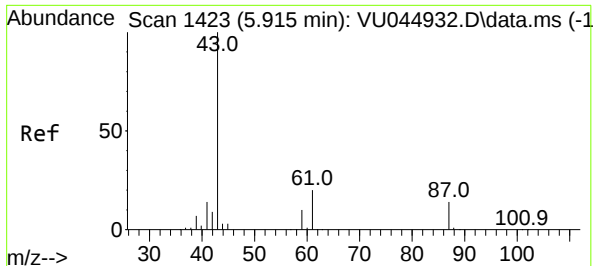
Tgt Ion: 117 Resp: 22060
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.2#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.084 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 41 Resp: 621
Ion Ratio Lower Upper
41 100
39 55.4 44.4 66.6
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

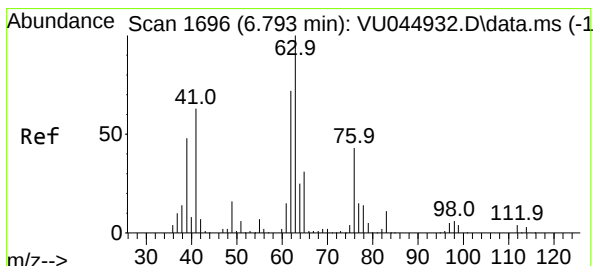
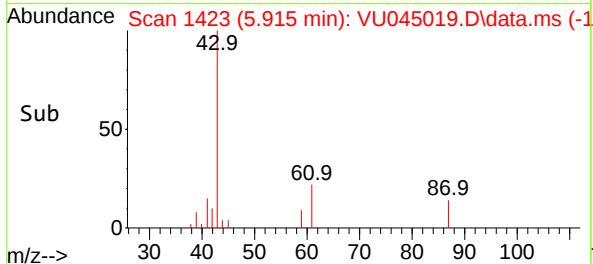
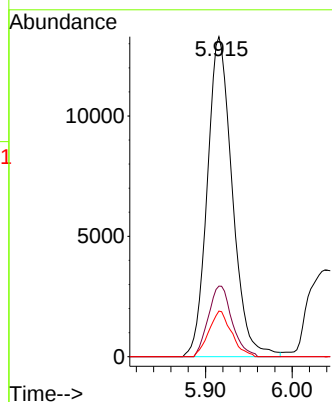
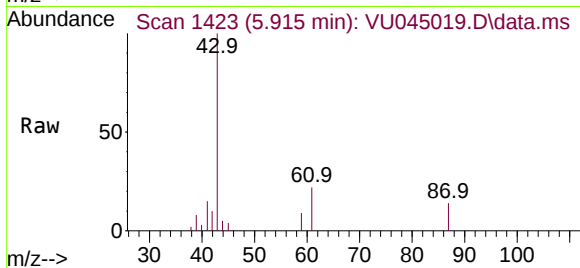




#43
Isopropyl Acetate
Concen: 3.404 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

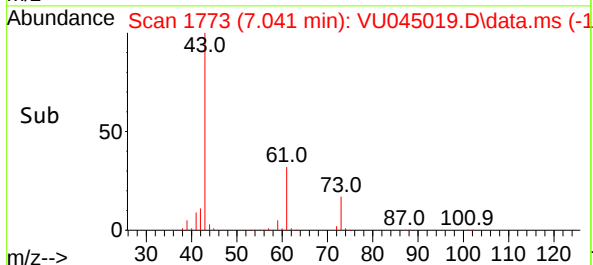
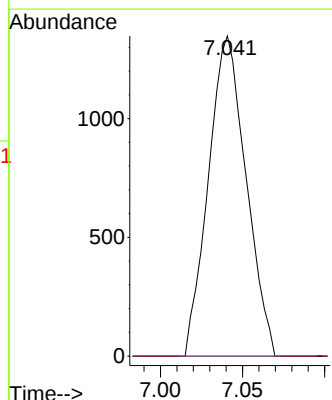
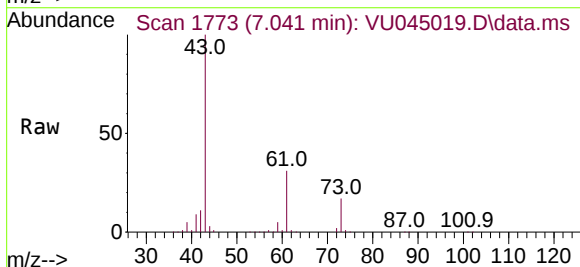
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

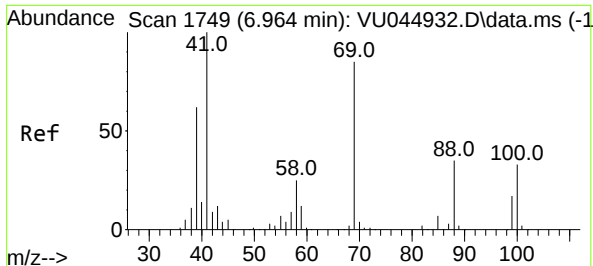
Tgt Ion:	43	Resp:	26643
Ion Ratio	Lower	Upper	
43	100		
61	20.8	16.1	24.1
87	12.9	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.691 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion:	63	Resp:	2146
Ion Ratio	Lower	Upper	
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.366 ug/l

RT: 6.896 min Scan# 1728

Delta R.T. -0.068 min

Lab File: VU045019.D

Acq: 30 Sep 2021 02:16

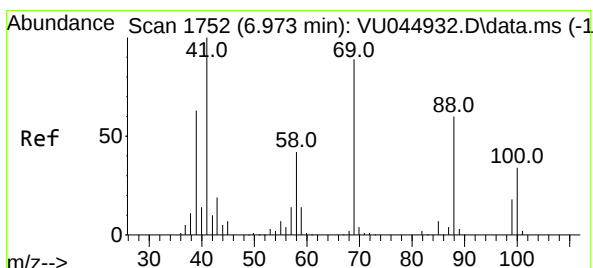
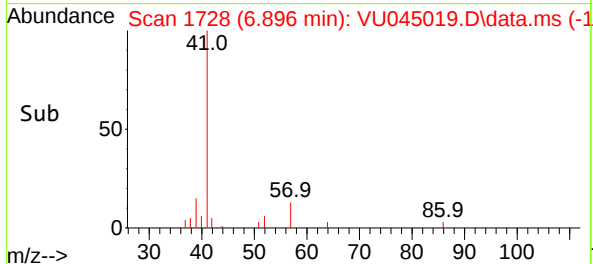
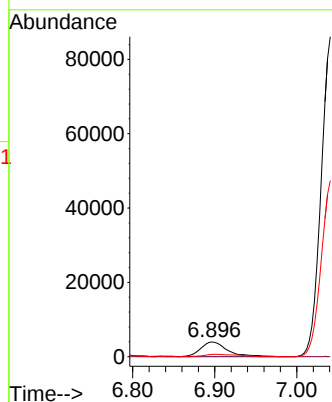
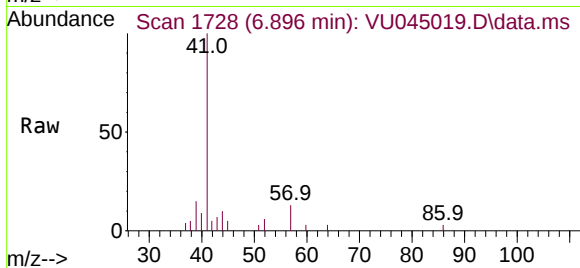
Tgt Ion: 41 Resp: 9017

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: VU045019.D

Acq: 30 Sep 2021 02:16

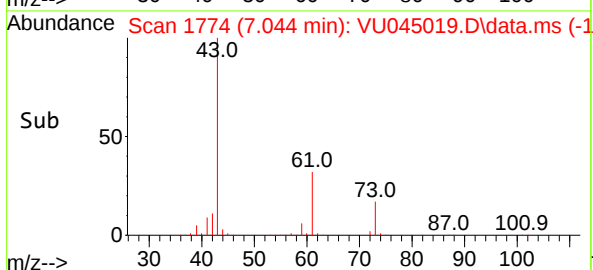
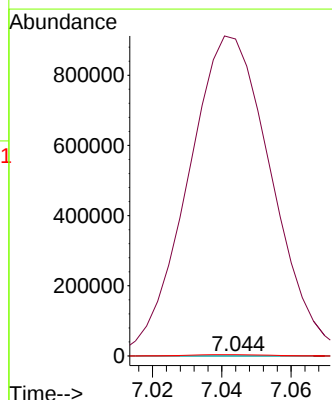
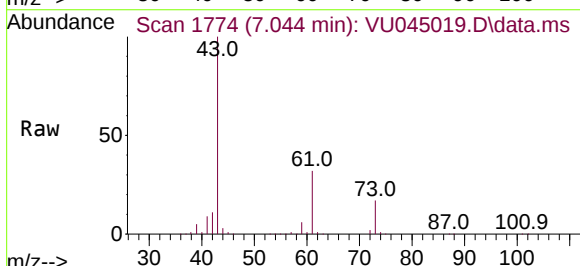
Tgt Ion: 88 Resp: 178

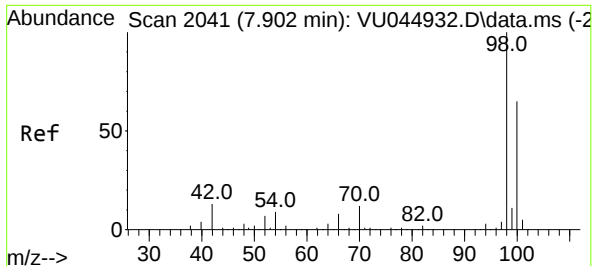
Ion Ratio Lower Upper

88 100

43 877342.1 25.8 38.6#

58 3594.4 61.3 91.9#

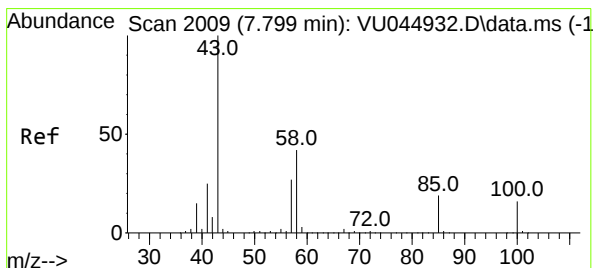
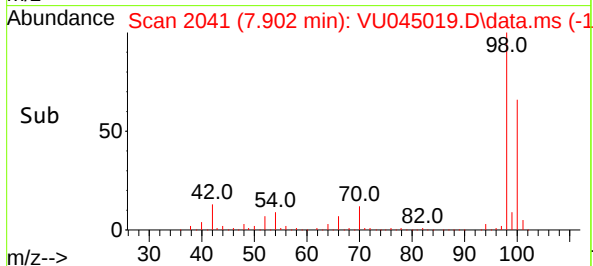
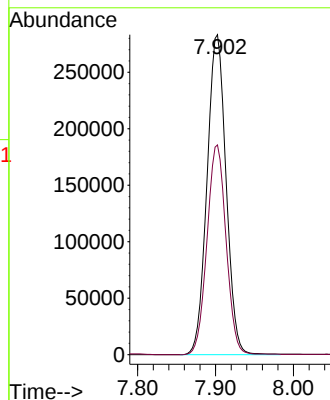
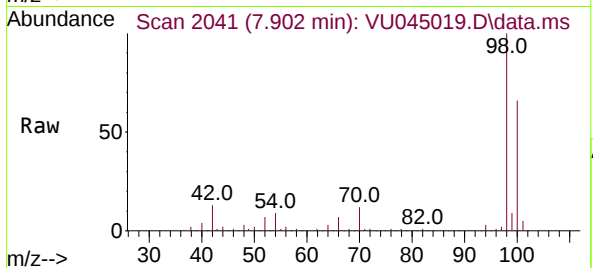




#50
Toluene-d8
Concen: 51.373 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

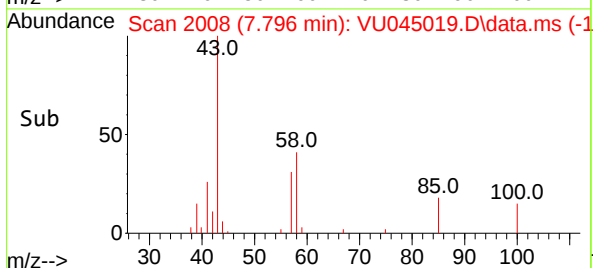
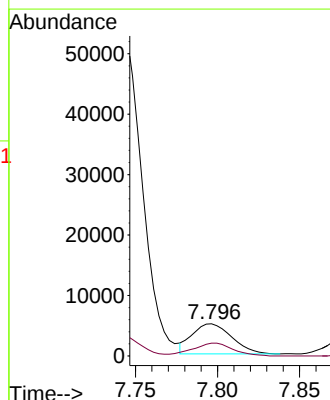
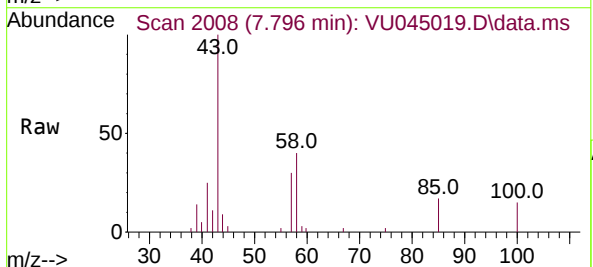
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

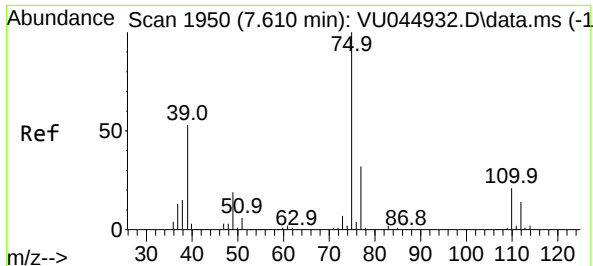
Tgt Ion: 98 Resp: 481532
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.458 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 43 Resp: 8310
Ion Ratio Lower Upper
43 100
58 44.0 32.4 48.6

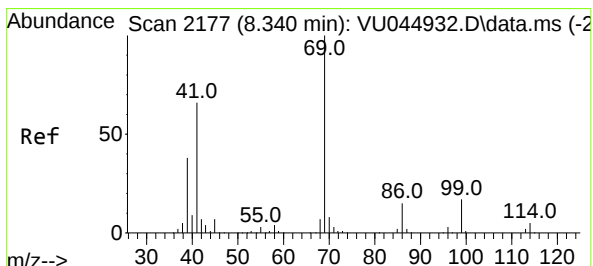
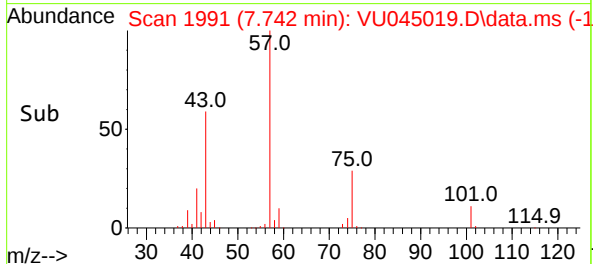
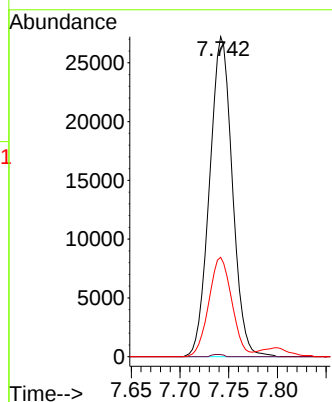
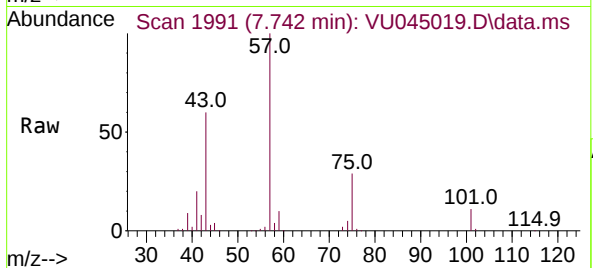




#54
cis-1,3-Dichloropropene
Concen: 9.147 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

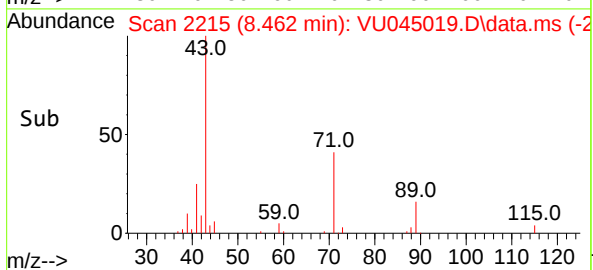
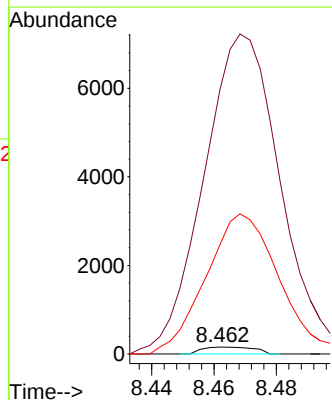
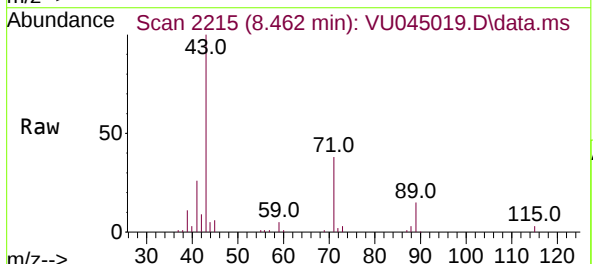
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

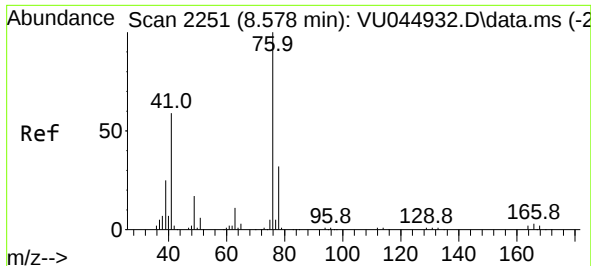
Tgt Ion: 75 Resp: 44253
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 31.1 41.4 62.2#



#56
Ethyl methacrylate
Concen: 1.850 ug/l
RT: 8.462 min Scan# 2215
Delta R.T. 0.122 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 69 Resp: 180
Ion Ratio Lower Upper
69 100
41 6943.9 53.5 80.3#
39 2900.0 31.1 46.7#





#57

1,3-Dichloropropane

Concen: 5.413 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045019.D

Acq: 30 Sep 2021 02:16

Tgt Ion: 76 Resp: 29507

Ion Ratio Lower Upper

76 100

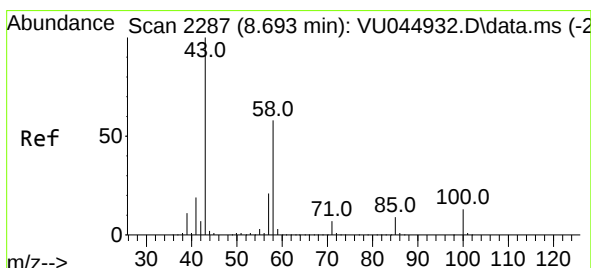
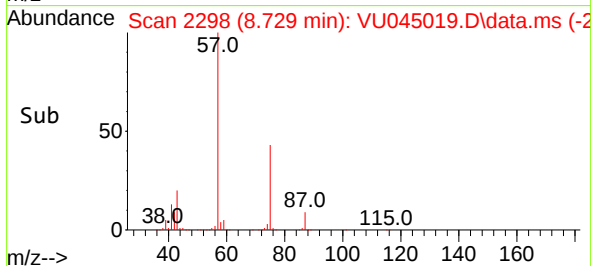
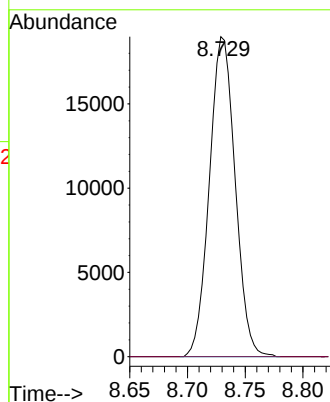
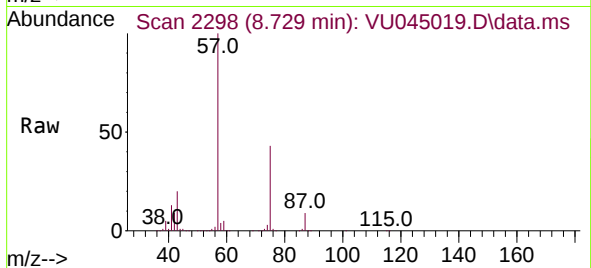
78 0.0 25.7 38.5#

Instrument :

MSVOA_U

ClientSampleId :

PB139450ZHE#02



#59

2-Hexanone

Concen: 87.131 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.039 min

Lab File: VU045019.D

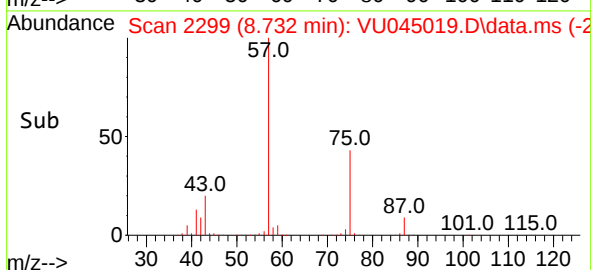
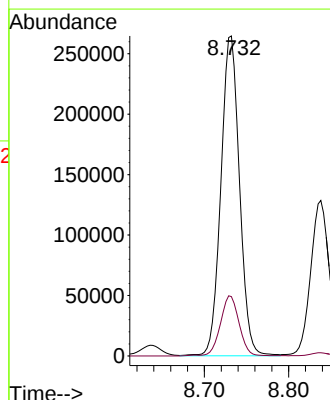
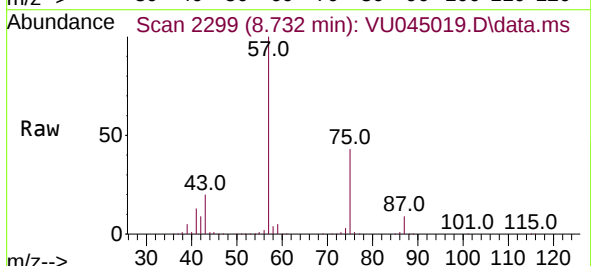
Acq: 30 Sep 2021 02:16

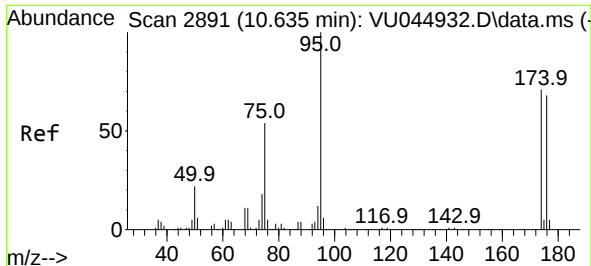
Tgt Ion: 43 Resp: 404362

Ion Ratio Lower Upper

43 100

58 18.9 28.0 84.0#

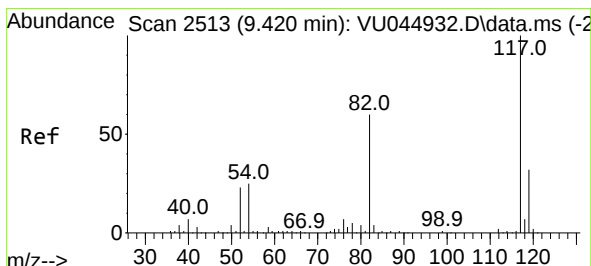
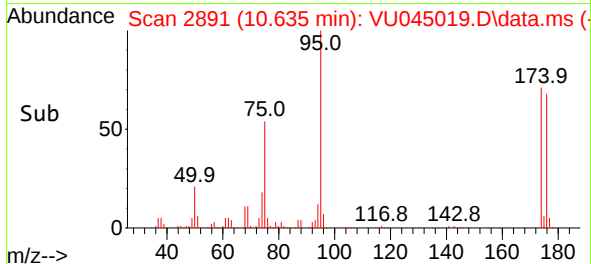
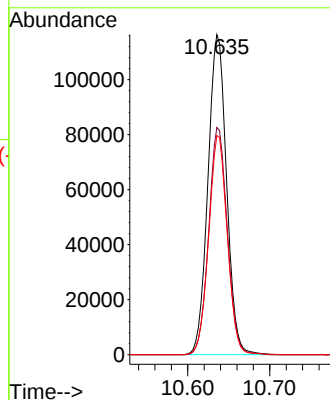
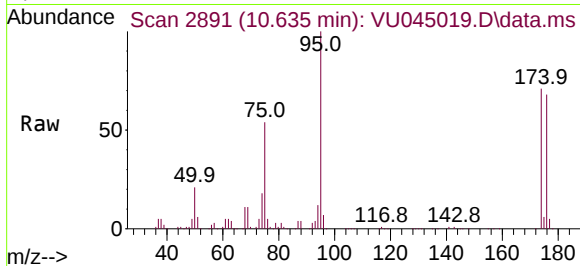




#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

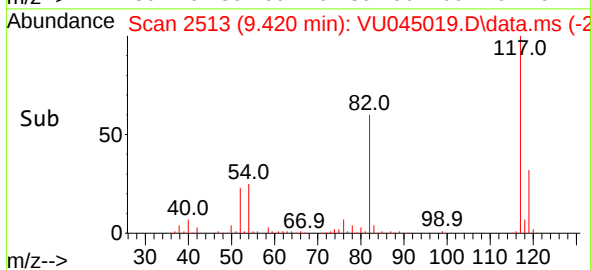
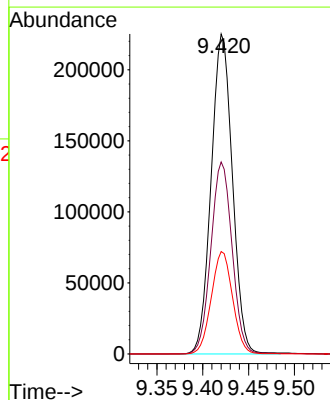
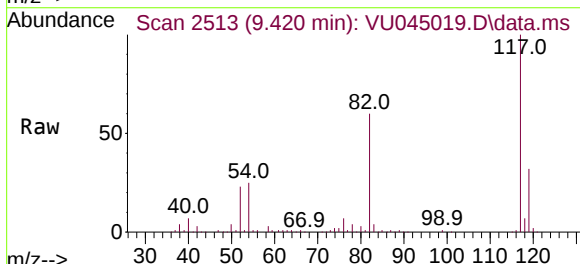
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#02

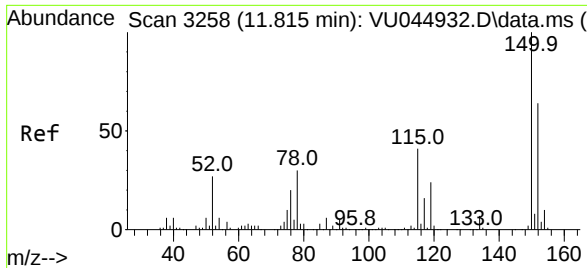
Tgt Ion: 95 Resp: 184036
Ion Ratio Lower Upper
95 100
174 71.1 0.0 146.6
176 68.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045019.D
Acq: 30 Sep 2021 02:16

Tgt Ion: 117 Resp: 363269
Ion Ratio Lower Upper
117 100
82 59.9 47.8 71.8
119 32.0 25.8 38.6

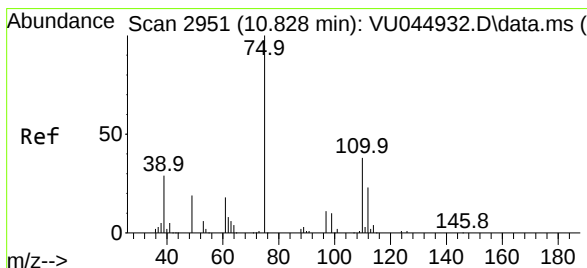
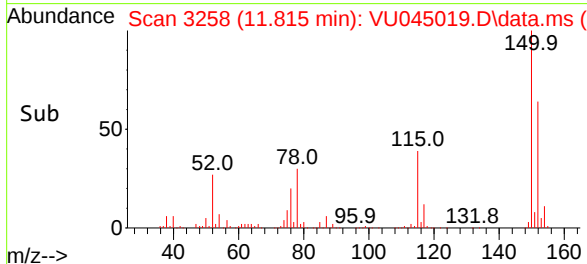
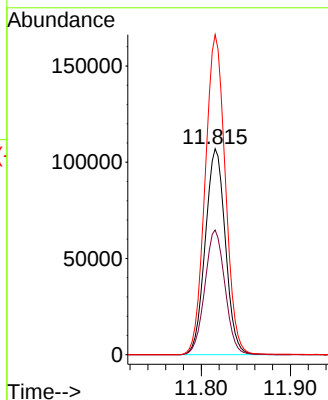
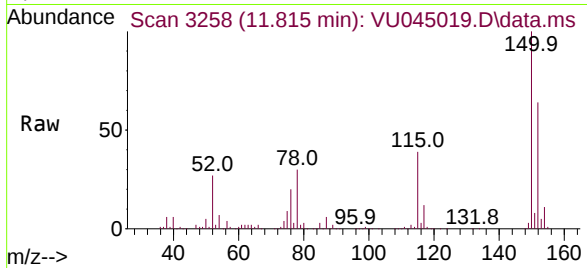




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045019.D
 Acq: 30 Sep 2021 02:16

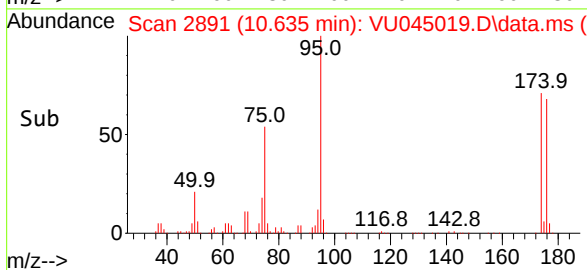
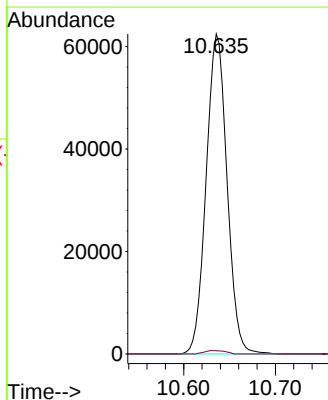
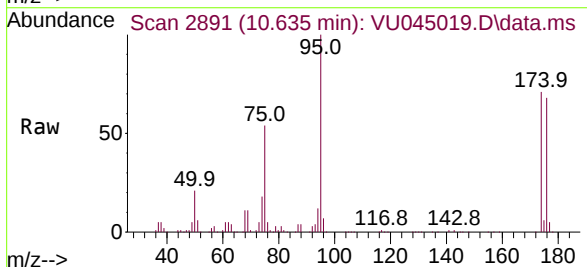
Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#02

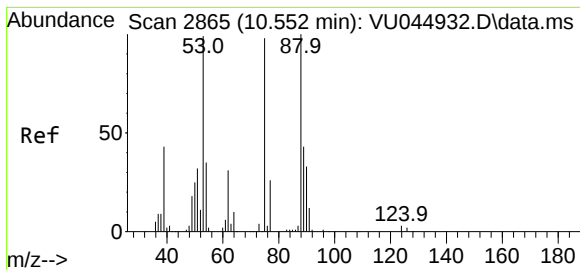
Tgt Ion:152 Resp: 167416
 Ion Ratio Lower Upper
 152 100
 115 60.8 43.5 130.7
 150 156.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.209 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU045019.D
 Acq: 30 Sep 2021 02:16

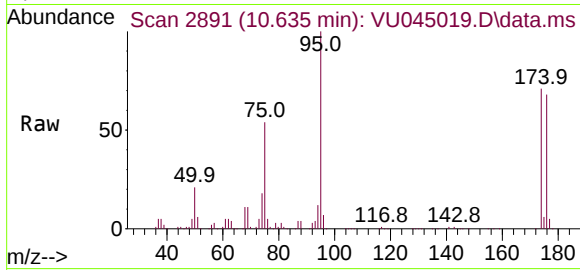
Tgt Ion: 75 Resp: 98685
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.083 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. 0.083 min
 Lab File: VU045019.D
 Acq: 30 Sep 2021 02:16

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#02



Tgt Ion: 75 Resp: 98685
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

