

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092921\
 Data File : VU045021.D
 Acq On : 30 Sep 2021 03:04
 Operator : SY/MD
 Sample : PB139450ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB139450ZHE#04

Quant Time: Sep 30 05:29:27 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

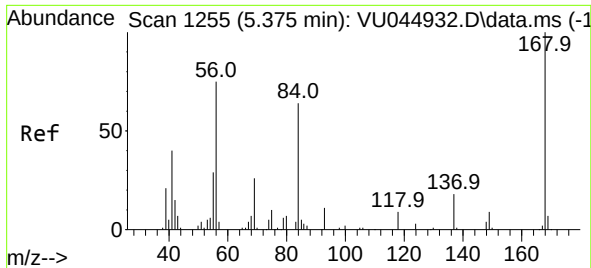
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	206703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	367330	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	355827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	164142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	163182	47.425	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.860%		
35) Dibromofluoromethane	5.292	113	112910	48.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	7.902	98	474744	51.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.700%		
62) 4-Bromofluorobenzene	10.635	95	180184	47.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.340%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	675	0.204	ug/l	92
5) Bromomethane	1.832	94	542	0.417	ug/l	98
6) Chloroethane	1.845	64	1584	0.623	ug/l #	42
11) Tert butyl alcohol	3.189	59	1645	1.666	ug/l #	72
16) Acetone	2.629	43	50433	24.693	ug/l	100
18) Methyl Acetate	2.954	43	9088	1.522	ug/l	98
20) Methylene Chloride	3.047	84	13100	4.258	ug/l	96
25) 2-Butanone	4.713	43	10366	3.572	ug/l	99
29) Tetrahydrofuran	5.060	42	1129	0.654	ug/l	91
31) Cyclohexane	5.378	56	5206	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19129	4.980	ug/l #	50
38) Carbon Tetrachloride	5.375	117	20978	6.311	ug/l #	15
41) Methacrylonitrile	5.066	41	617	0.236	ug/l #	44
43) Isopropyl Acetate	5.915	43	26495	3.465	ug/l	99
45) 1,2-Dichloropropane	7.041	63	2233	0.736	ug/l #	45
48) Methyl methacrylate	6.896	41	8875	2.385	ug/l #	14
49) 1,4-Dioxane	7.041	88	175	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	8440	1.516	ug/l	100
54) cis-1,3-Dichloropropene	7.742	75	43573	9.220	ug/l #	60
56) Ethyl methacrylate	8.578	69	959	1.980	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	29497	5.540	ug/l #	43
59) 2-Hexanone	8.732	43	404369	89.202	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	95601	19.968	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	95601	55.414	ug/l #	9

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

Quant Time: Sep 30 05:29:27 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

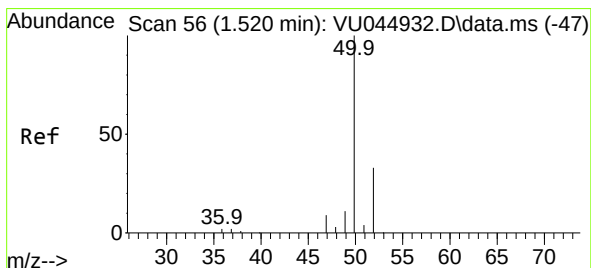
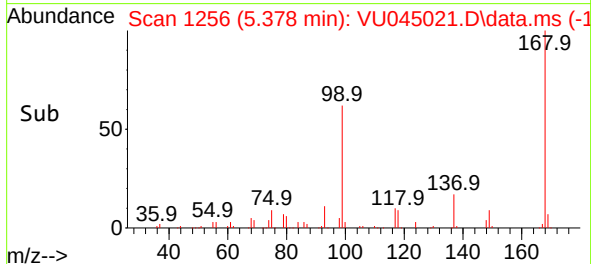
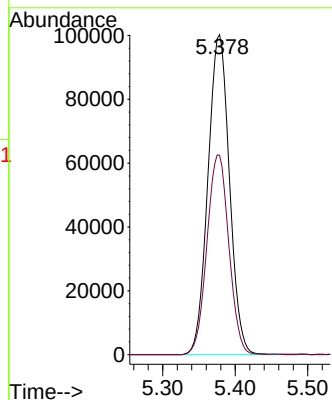
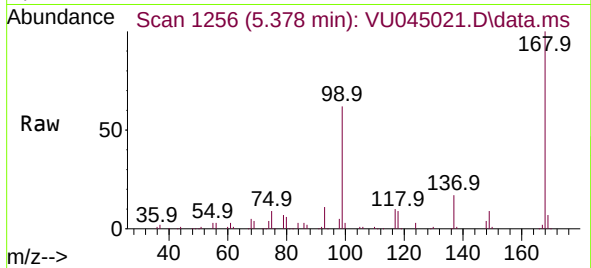




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. 0.003 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

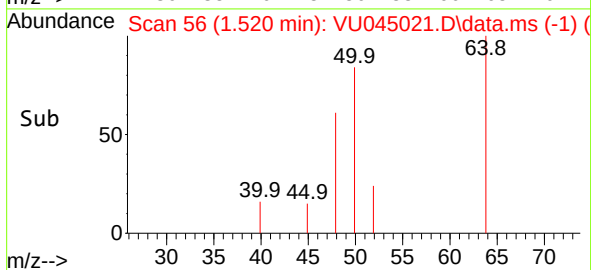
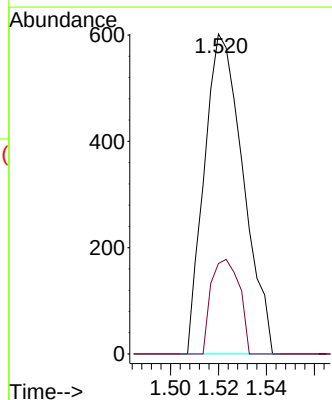
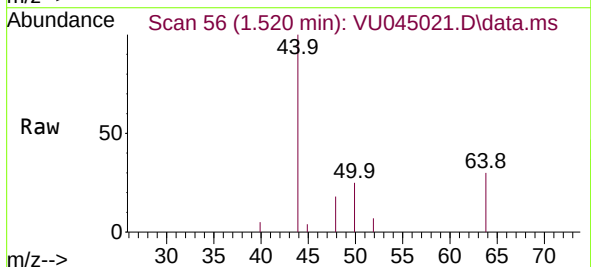
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

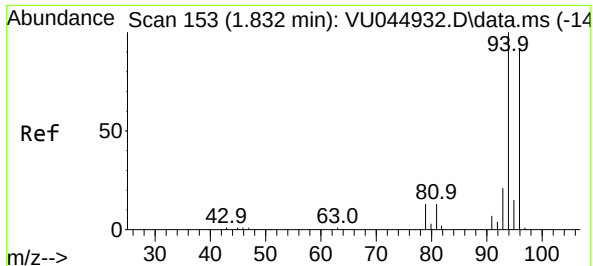
Tgt Ion:168 Resp: 206703
Ion Ratio Lower Upper
168 100
99 62.3 51.4 77.0



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 28.2 26.3 39.5

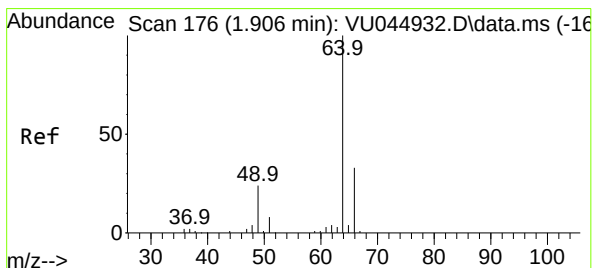
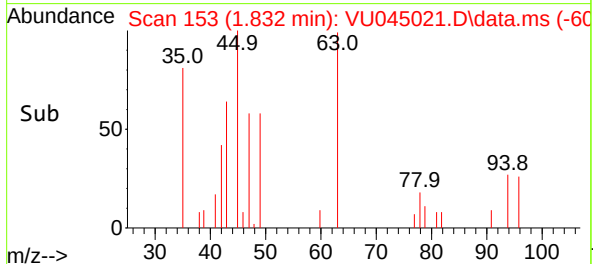
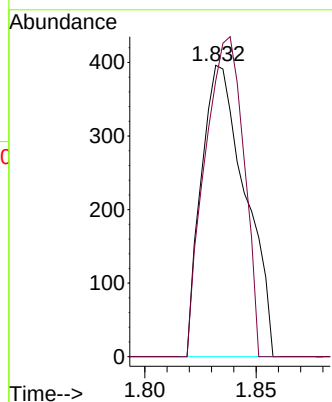
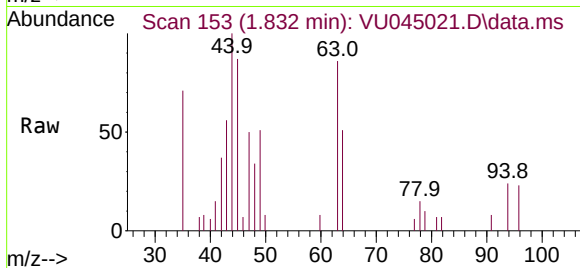




#5
Bromomethane
Concen: 0.417 ug/l
RT: 1.832 min Scan# 153
Delta R.T. -0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

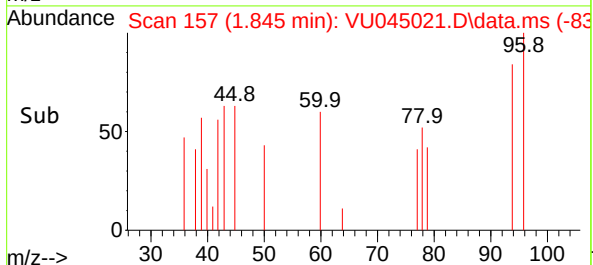
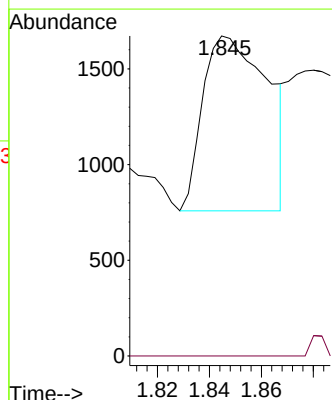
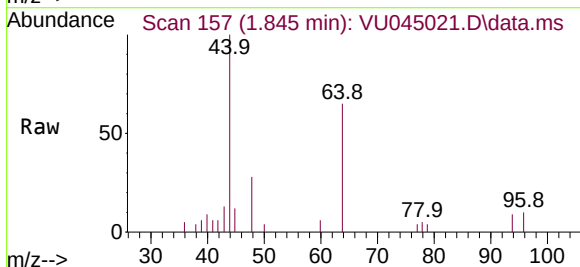
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

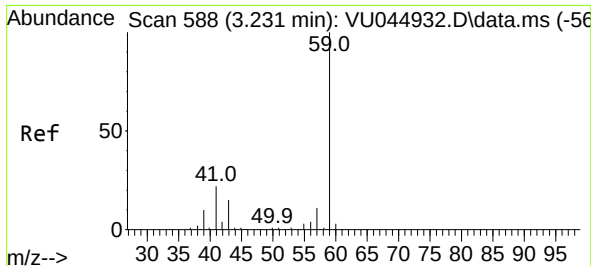
Tgt Ion: 94 Resp: 542
Ion Ratio Lower Upper
94 100
96 94.7 74.5 111.7



#6
Chloroethane
Concen: 0.623 ug/l
RT: 1.845 min Scan# 157
Delta R.T. -0.061 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 64 Resp: 1584
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



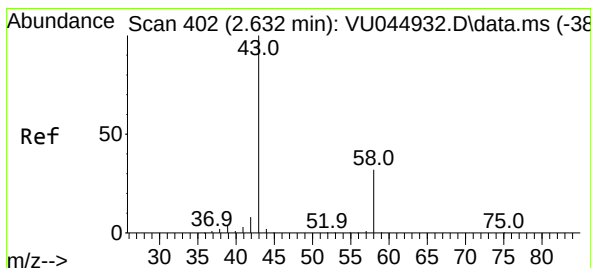
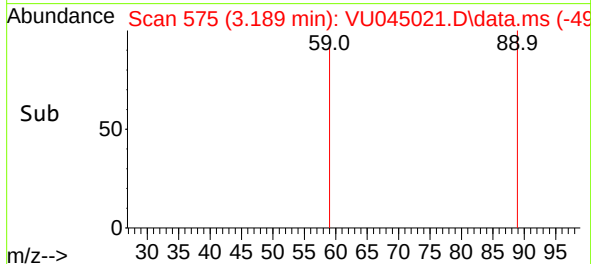
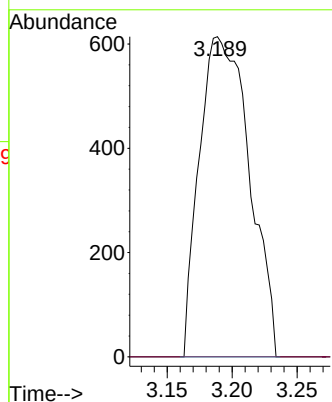
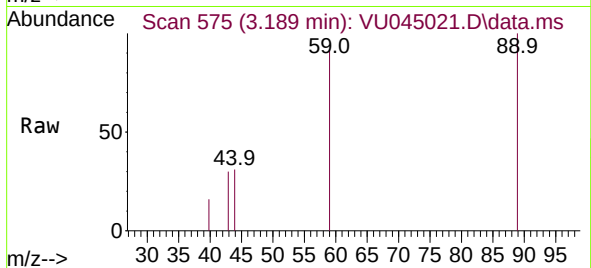


#11

Tert butyl alcohol
Concen: 1.666 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.042 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

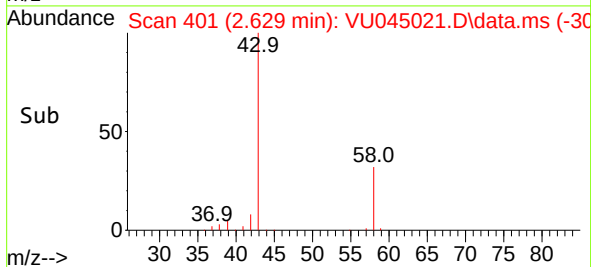
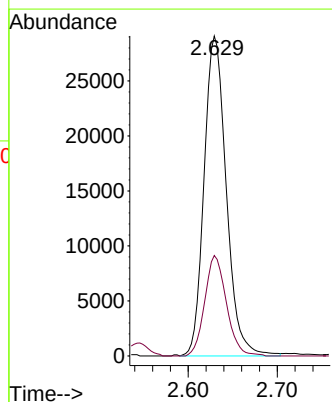
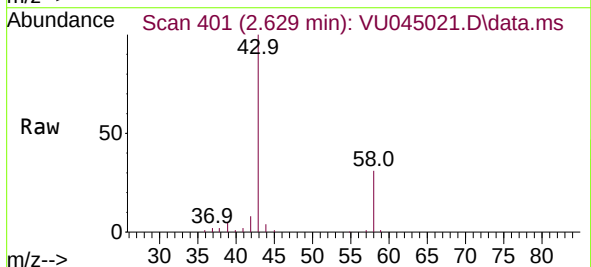
Tgt Ion: 59 Resp: 1645
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

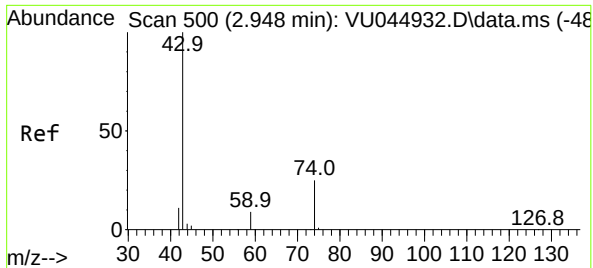


#16

Acetone
Concen: 24.693 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 43 Resp: 50433
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8

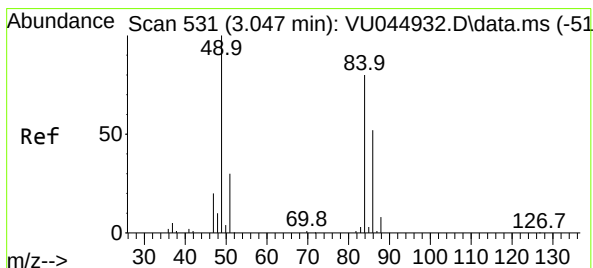
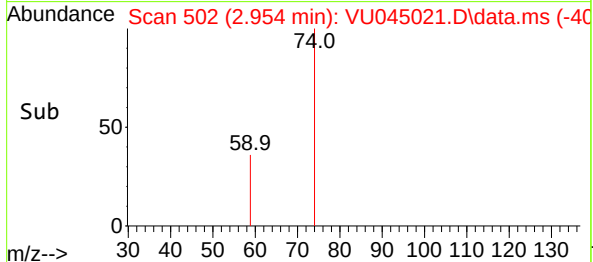
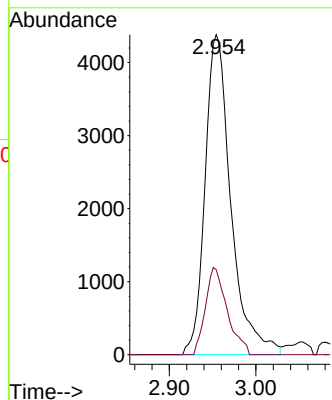
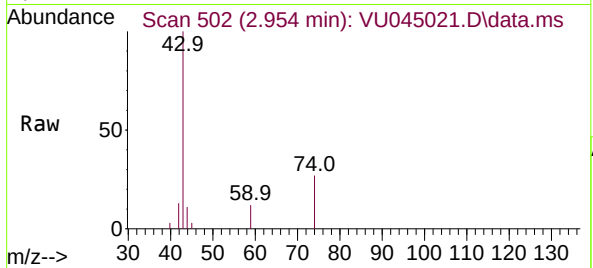




#18
Methyl Acetate
Concen: 1.522 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

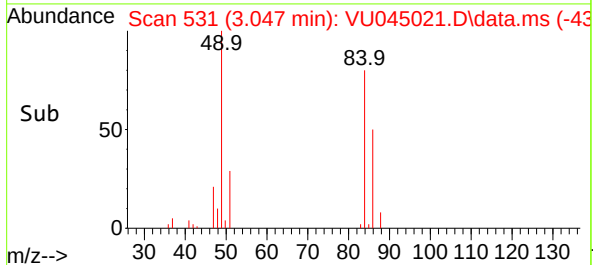
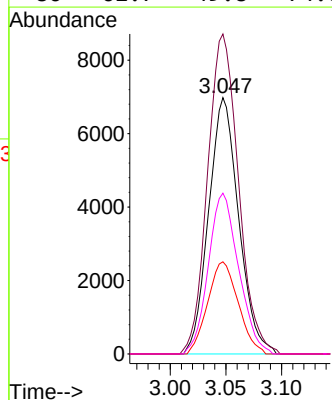
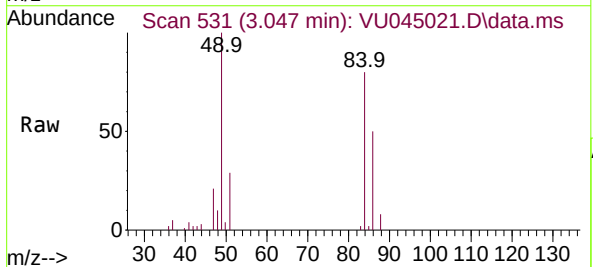
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

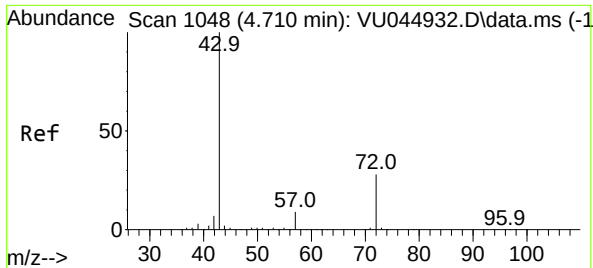
Tgt Ion: 43 Resp: 9088
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.6



#20
Methylene Chloride
Concen: 4.258 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 84 Resp: 13100
Ion Ratio Lower Upper
84 100
49 124.8 104.9 157.3
51 35.9 31.8 47.8
86 62.7 49.8 74.6

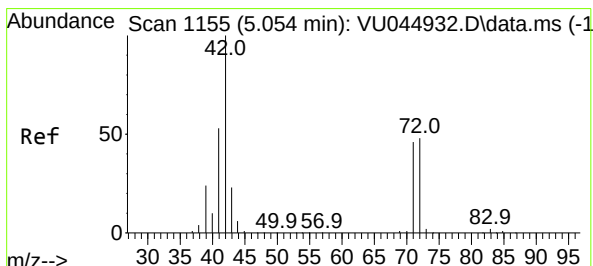
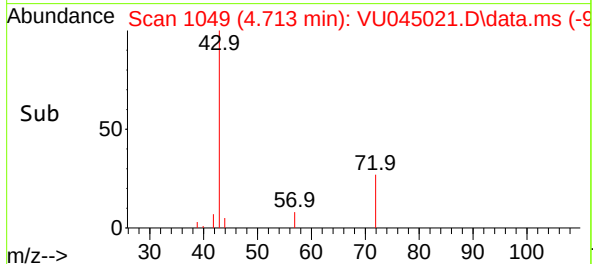
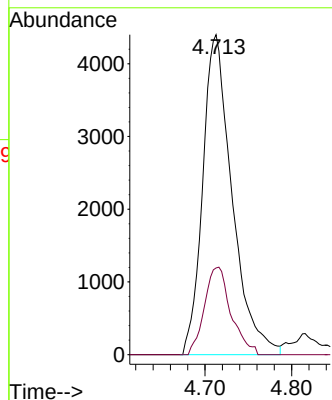
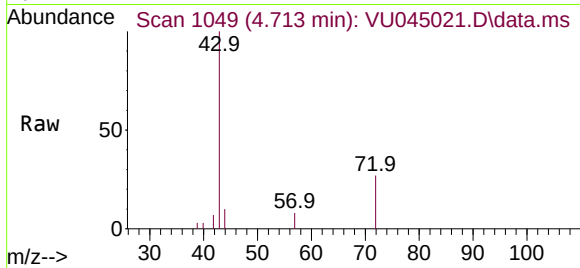




#25
2-Butanone
Concen: 3.572 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

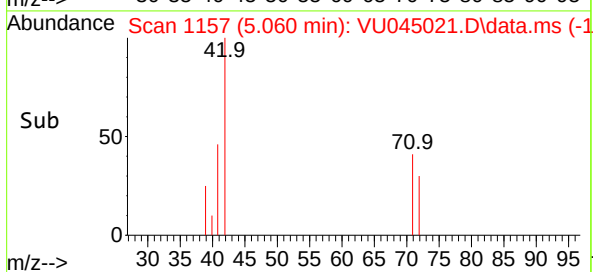
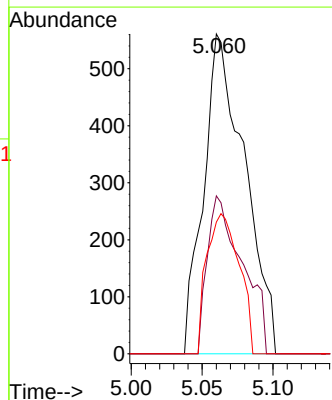
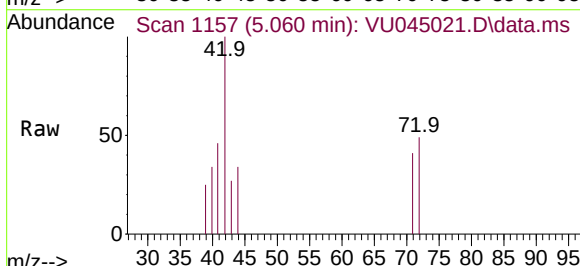
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

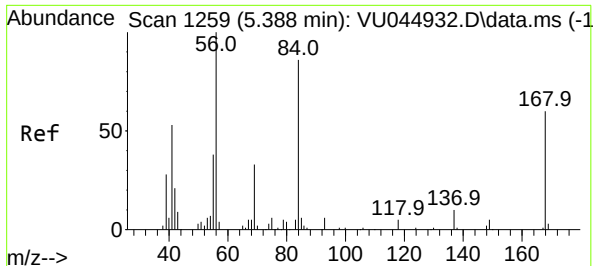
Tgt Ion: 43 Resp: 10366
Ion Ratio Lower Upper
43 100
72 27.1 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.654 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 42 Resp: 1129
Ion Ratio Lower Upper
42 100
72 42.2 36.2 54.4
71 34.5 34.1 51.1





#31

Cyclohexane

Concen: 0.996 ug/l

RT: 5.378 min Scan# 1256

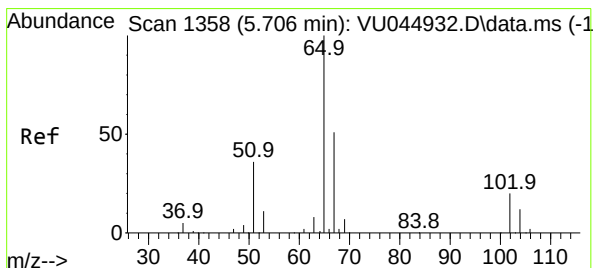
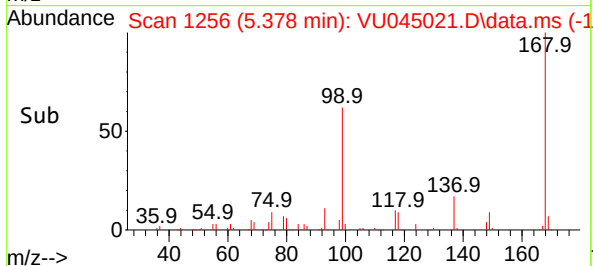
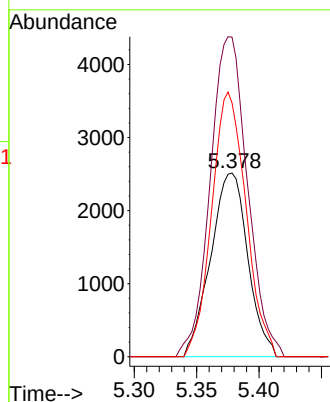
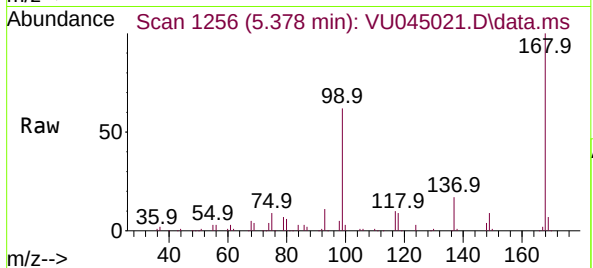
Delta R.T. -0.010 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

Tgt Ion:	56	Resp:	5206
Ion	Ratio	Lower	Upper
56	100		
69	169.9	25.2	37.8#
84	138.1	66.4	99.6#

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04



#33

1,2-Dichloroethane-d4

Concen: 47.425 ug/l

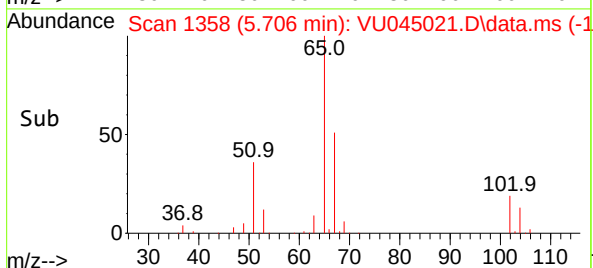
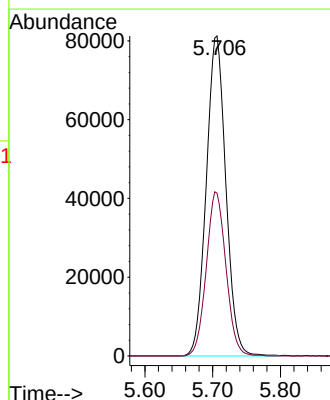
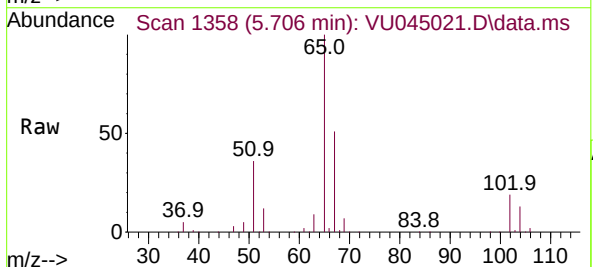
RT: 5.706 min Scan# 1358

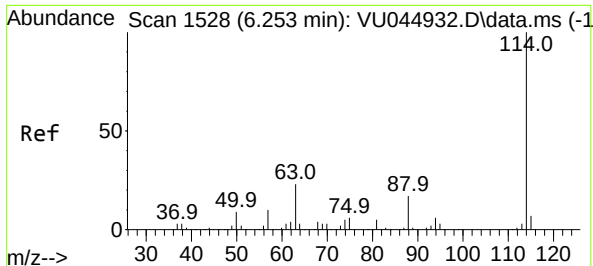
Delta R.T. 0.000 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

Tgt Ion:	65	Resp:	163182
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8

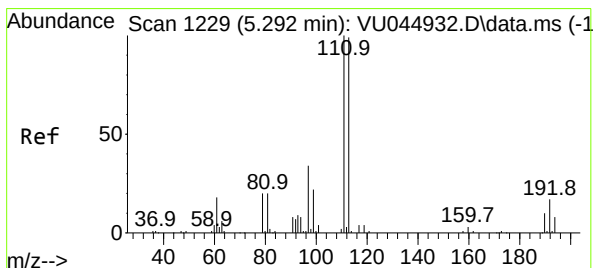
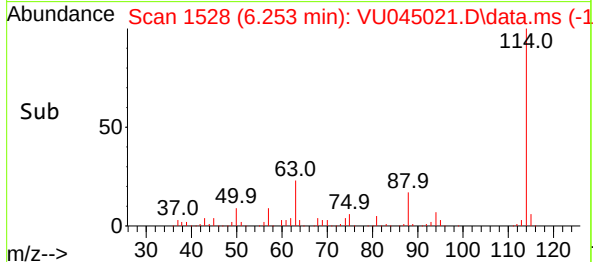
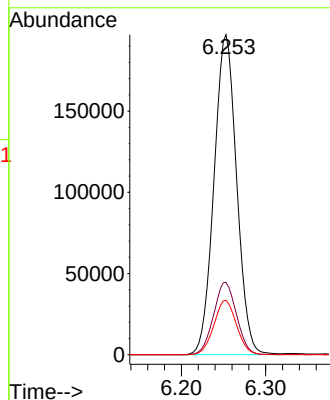
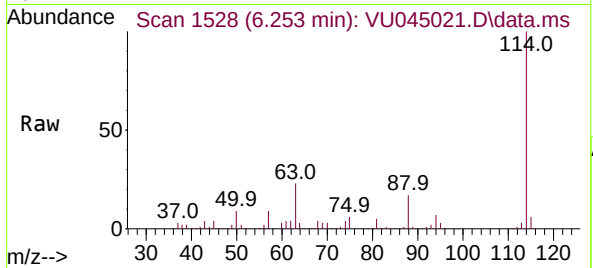




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

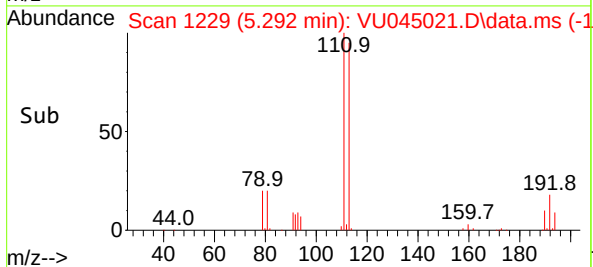
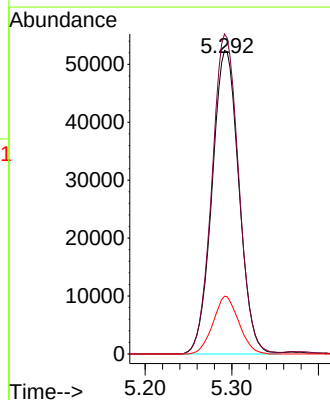
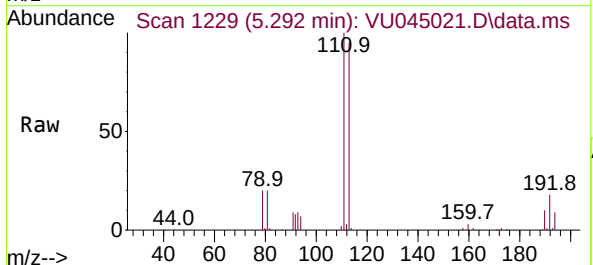
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

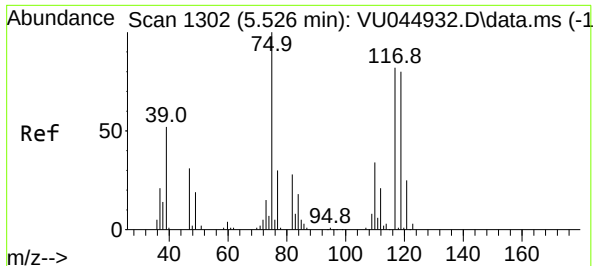
Tgt Ion:	114	Resp:	367330
Ion Ratio	Lower	Upper	
114	100		
63	22.6	0.0	47.8
88	17.0	0.0	32.8



#35
Dibromofluoromethane
Concen: 48.726 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion:	113	Resp:	112910
Ion Ratio	Lower	Upper	
113	100		
111	104.7	84.1	126.1
192	18.2	14.8	22.2





#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 5.375 min Scan# 1255

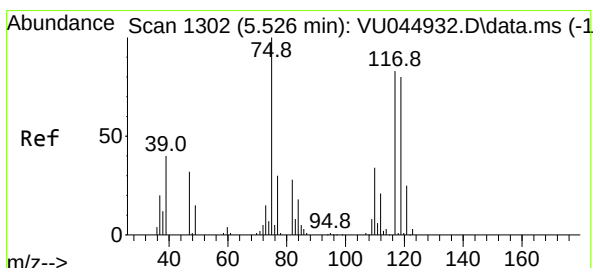
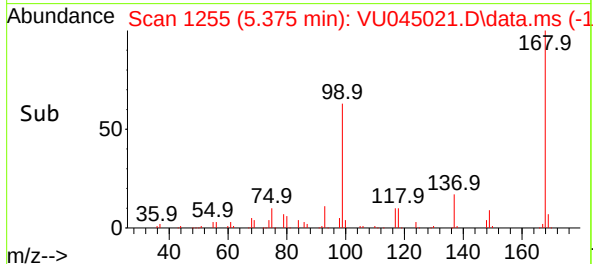
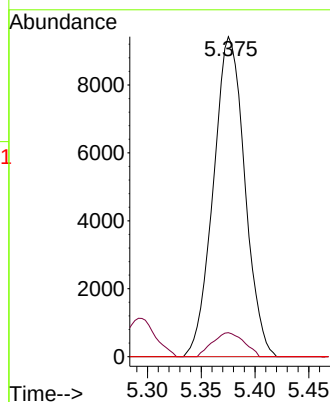
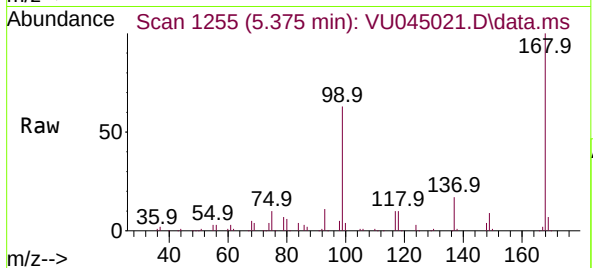
Delta R.T. -0.151 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

Tgt Ion:	75	Resp:	19129
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04



#38

Carbon Tetrachloride

Concen: 6.311 ug/l

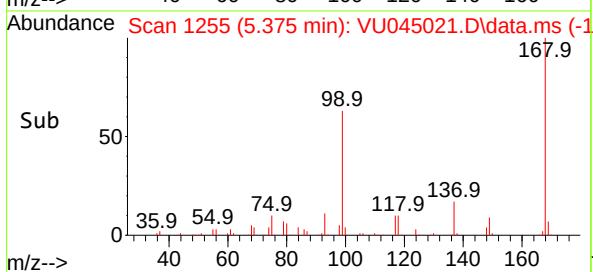
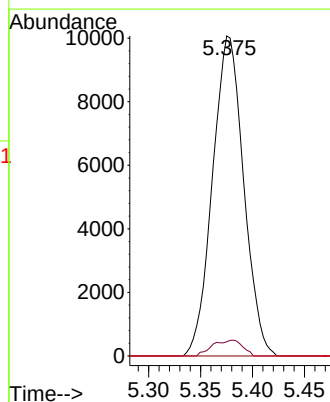
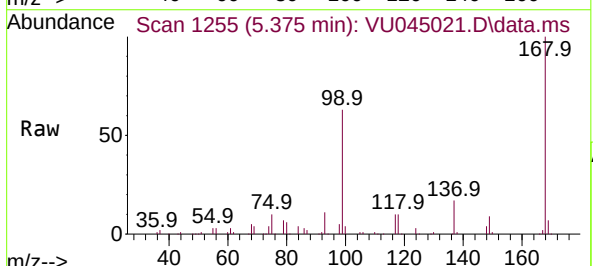
RT: 5.375 min Scan# 1255

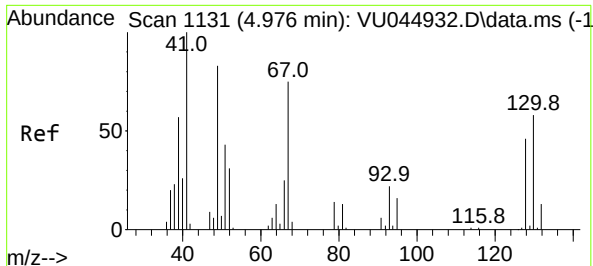
Delta R.T. -0.151 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

Tgt Ion:	117	Resp:	20978
Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.4	116.2#
121	0.0	24.5	36.7#

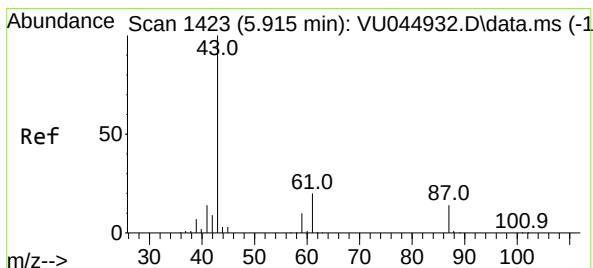
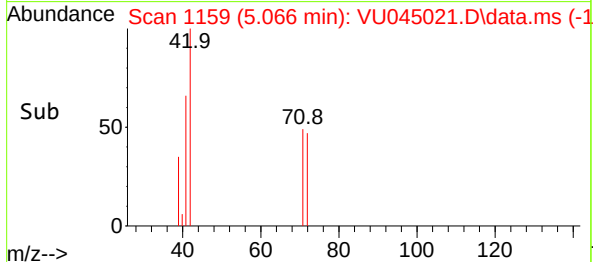
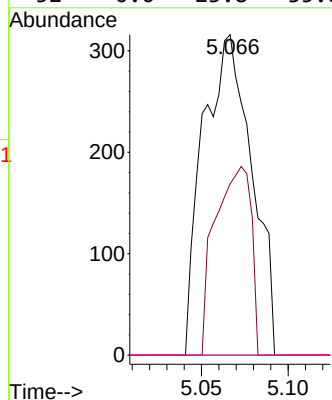
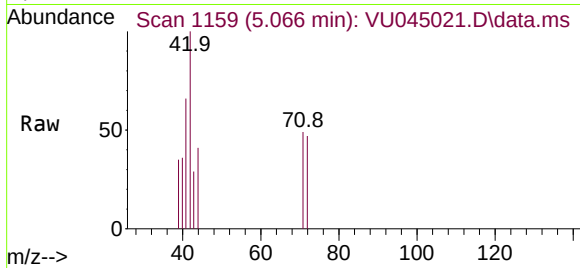




#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 5.066 min Scan# 1159
Delta R.T. 0.090 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

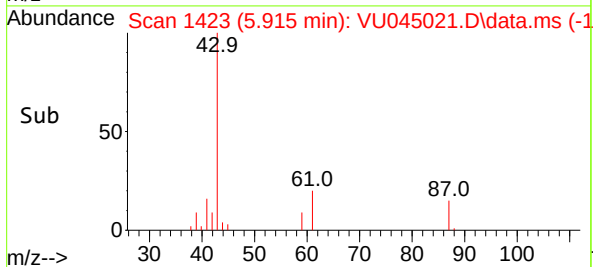
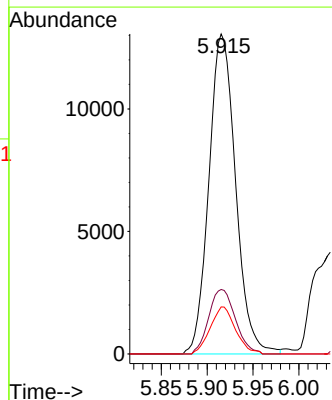
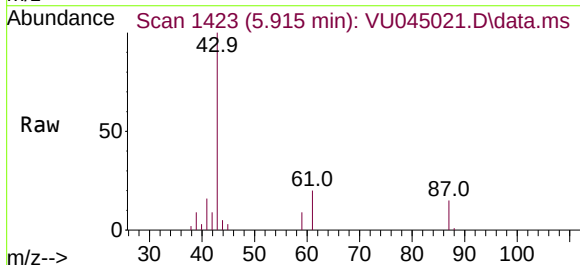
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

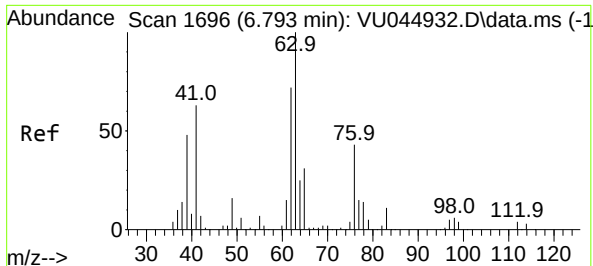
Tgt Ion:	41	Resp:	617
Ion	Ratio	Lower	Upper
41	100		
39	43.4	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 3.465 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion:	43	Resp:	26495
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.9	10.3	15.5



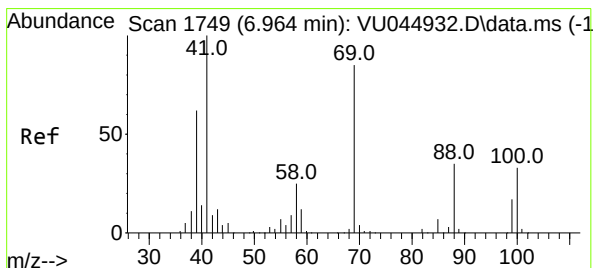
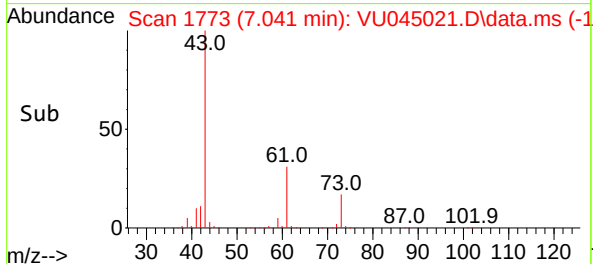
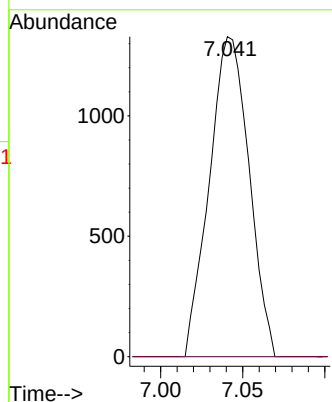
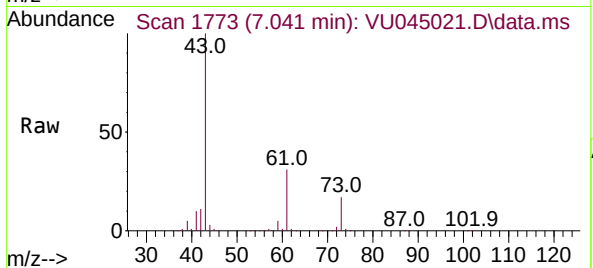


#45

1,2-Dichloropropane
Concen: 0.736 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

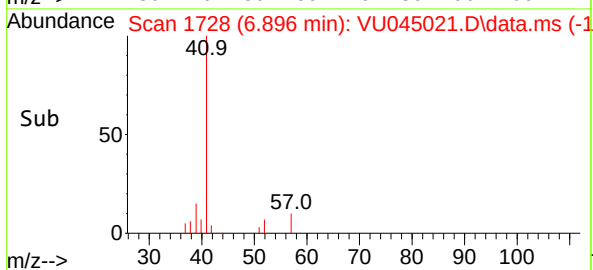
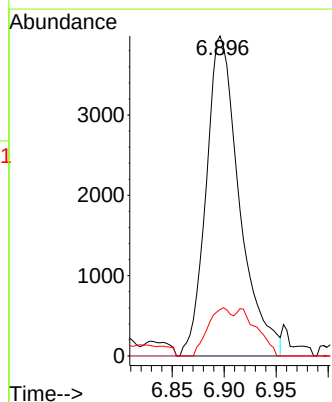
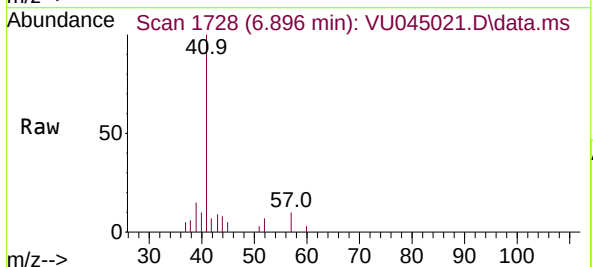
Tgt Ion: 63 Resp: 2233
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

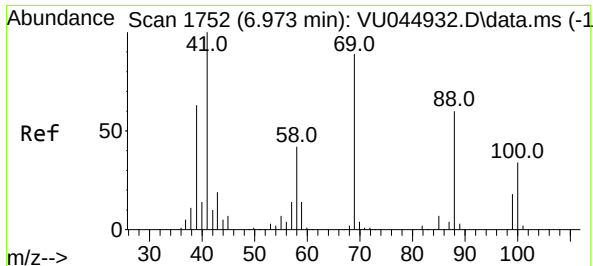


#48

Methyl methacrylate
Concen: 2.385 ug/l
RT: 6.896 min Scan# 1728
Delta R.T. -0.068 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 41 Resp: 8875
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: 7.041 min Scan# 1773

Delta R.T. 0.068 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

Tgt Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 898036.0 25.8 38.6#

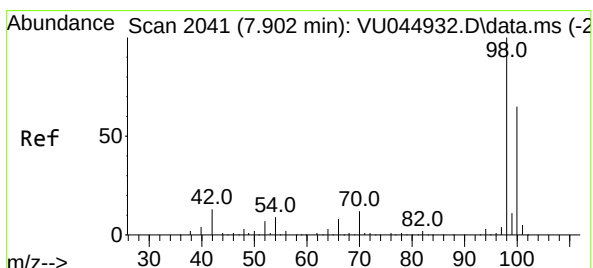
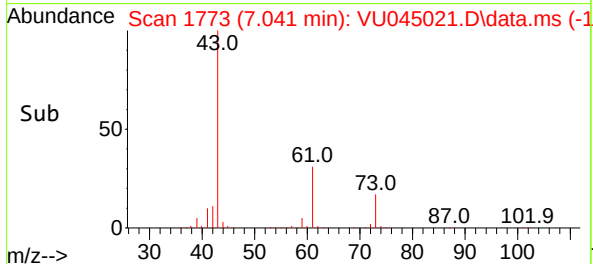
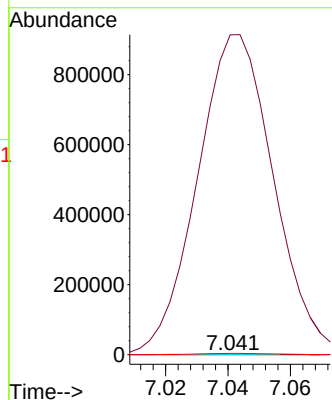
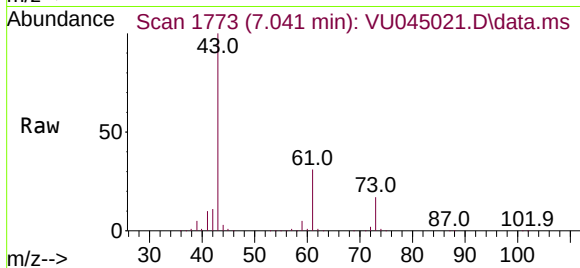
58 3651.4 61.3 91.9#

Instrument :

MSVOA_U

ClientSampleId :

PB139450ZHE#04



#50

Toluene-d8

Concen: 51.852 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045021.D

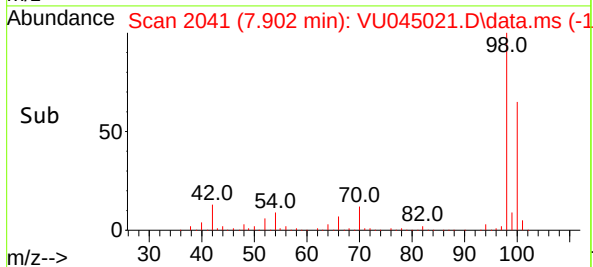
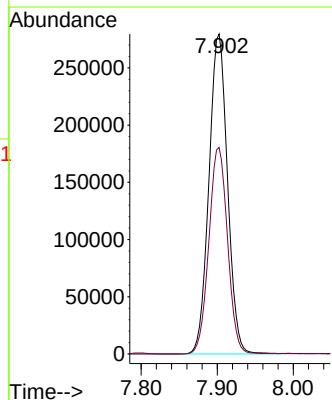
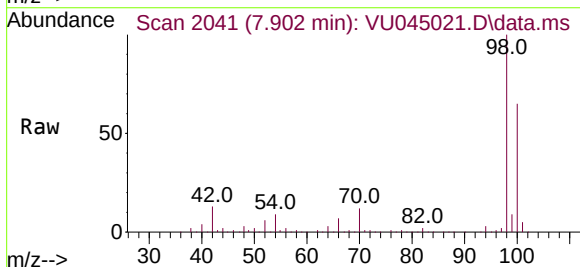
Acq: 30 Sep 2021 03:04

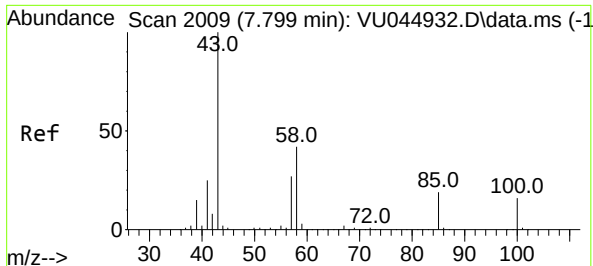
Tgt Ion: 98 Resp: 474744

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

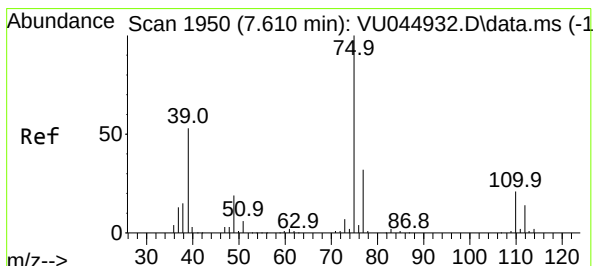
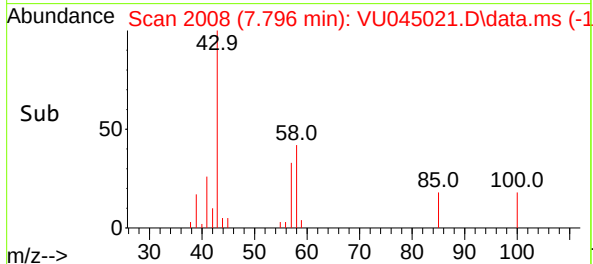
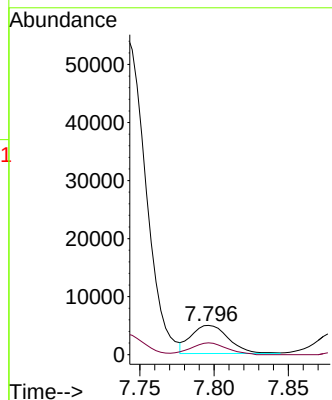
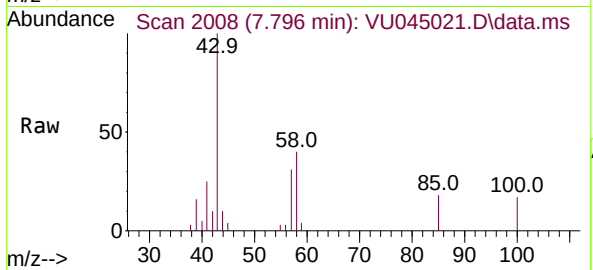




#51
4-Methyl-2-Pentanone
Concen: 1.516 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

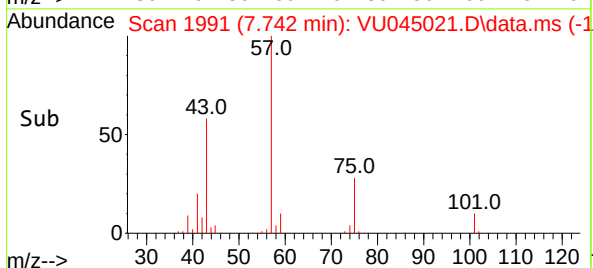
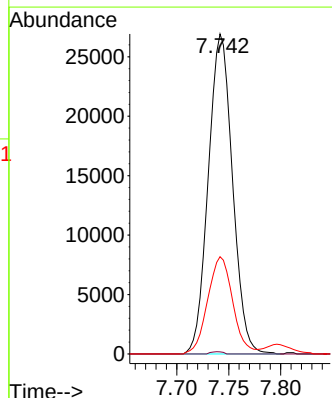
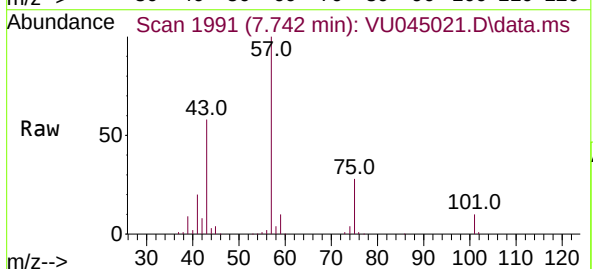
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

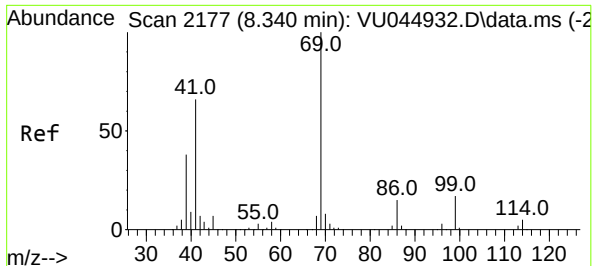
Tgt Ion: 43 Resp: 8440
Ion Ratio Lower Upper
43 100
58 40.7 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 9.220 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 75 Resp: 43573
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 30.4 41.4 62.2#

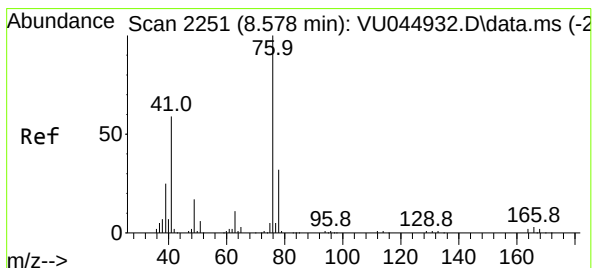
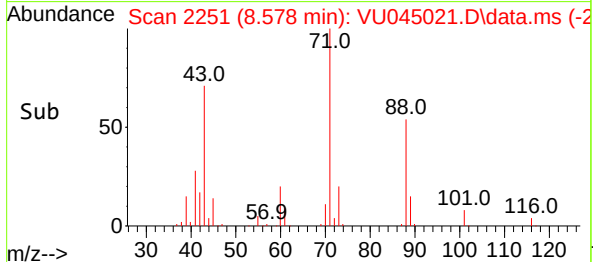
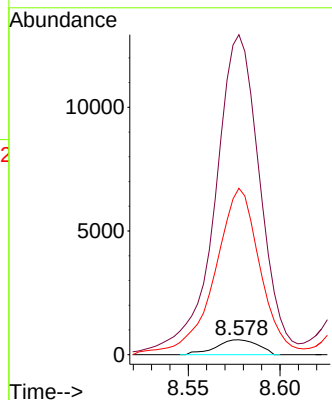
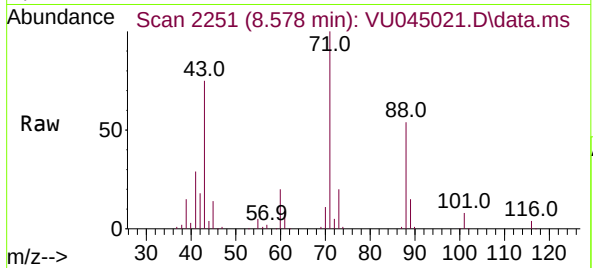




#56
Ethyl methacrylate
Concen: 1.980 ug/l
RT: 8.578 min Scan# 2251
Delta R.T. 0.238 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

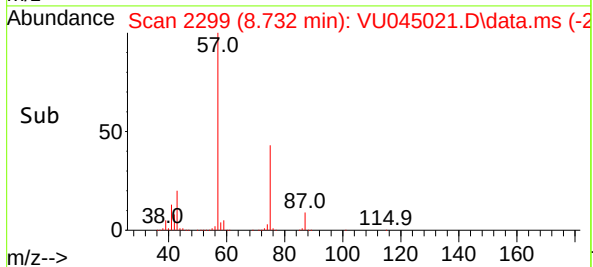
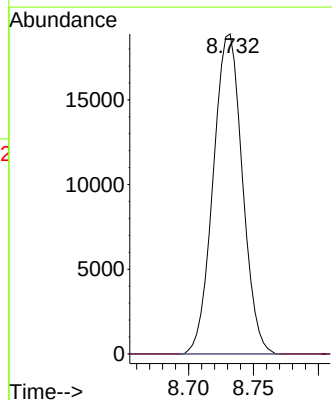
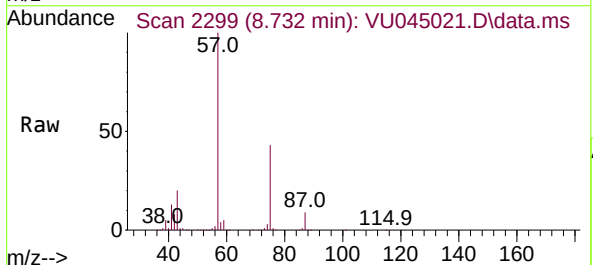
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

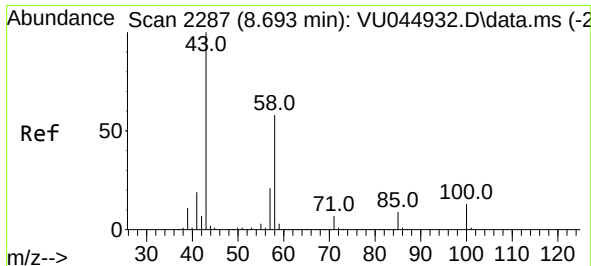
Tgt Ion: 69 Resp: 959
Ion Ratio Lower Upper
69 100
41 2240.8 53.5 80.3#
39 1210.5 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.540 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.154 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 76 Resp: 29497
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 89.202 ug/l

RT: 8.732 min Scan# 2299

Delta R.T. 0.039 min

Lab File: VU045021.D

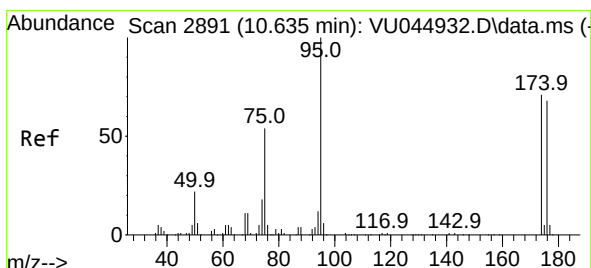
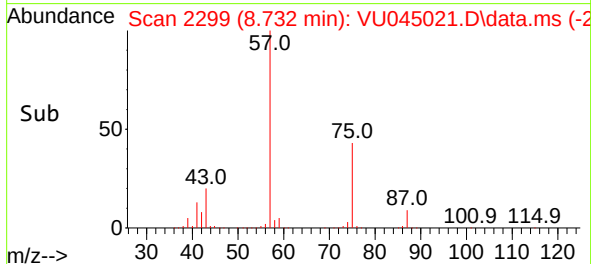
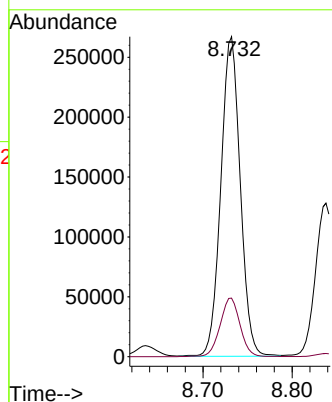
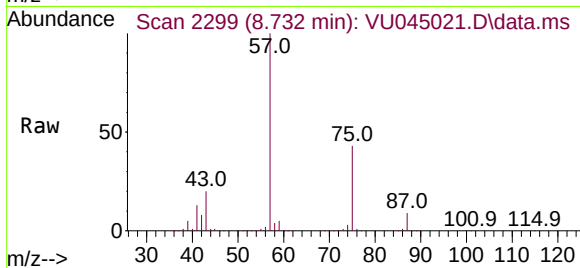
Acq: 30 Sep 2021 03:04

Tgt Ion: 43 Resp: 404369

Ion Ratio Lower Upper

43 100

58 18.9 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 47.668 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.000 min

Lab File: VU045021.D

Acq: 30 Sep 2021 03:04

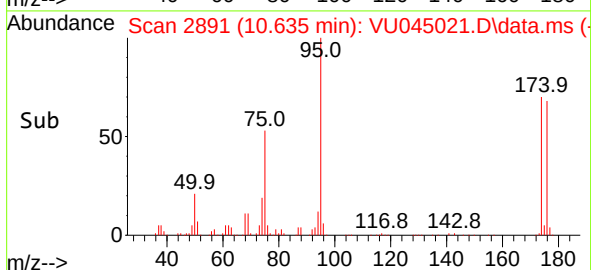
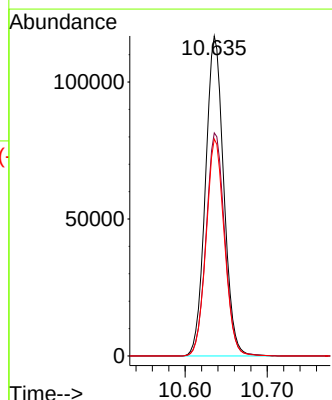
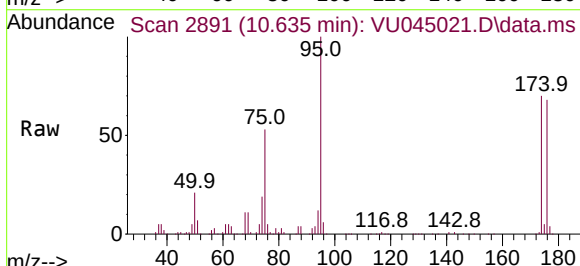
Tgt Ion: 95 Resp: 180184

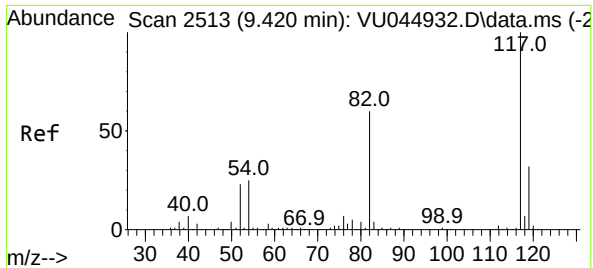
Ion Ratio Lower Upper

95 100

174 70.9 0.0 146.6

176 68.0 0.0 141.2

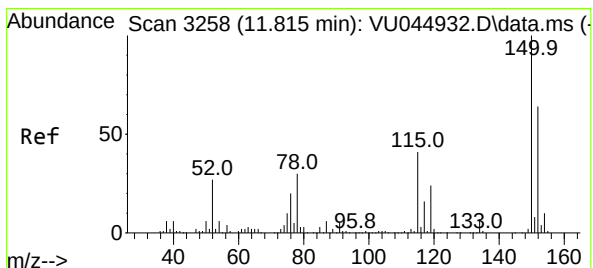
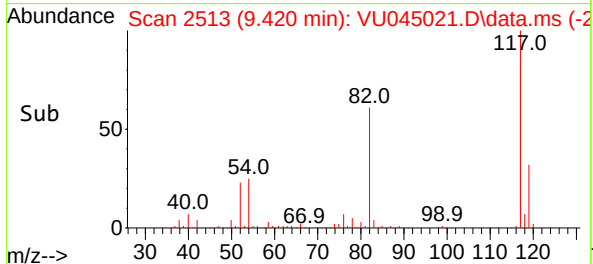
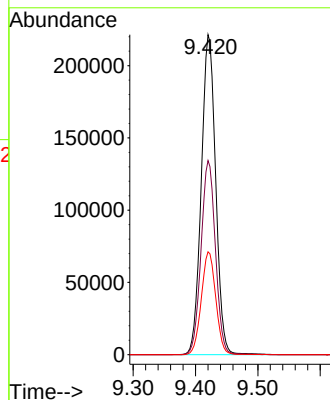
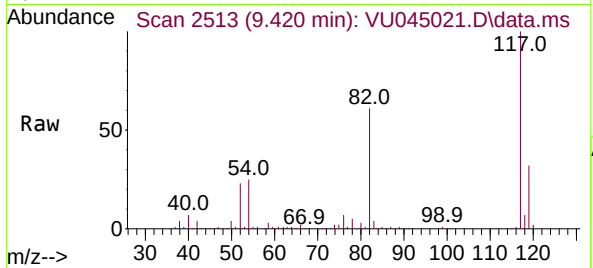




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

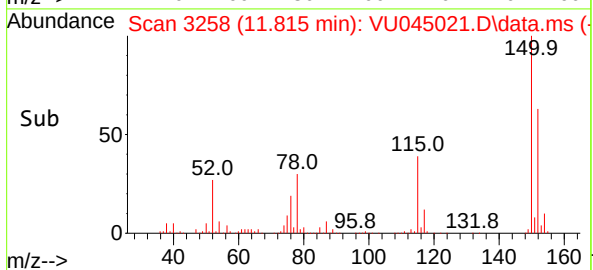
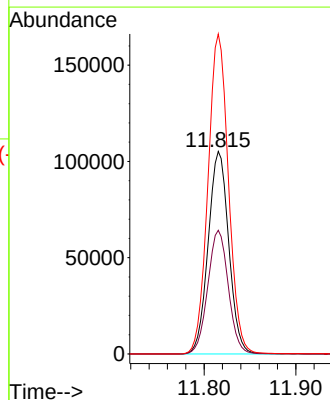
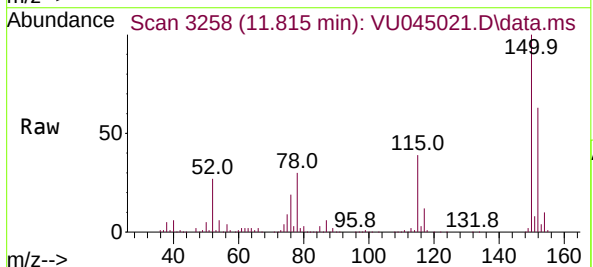
Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

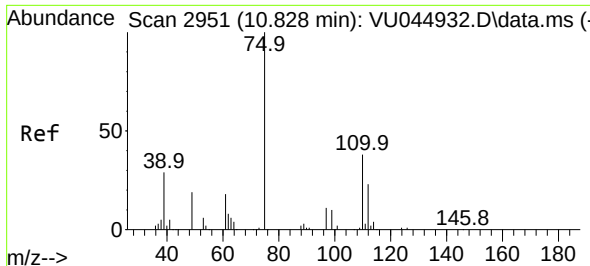
Tgt Ion:117 Resp: 355827
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion:152 Resp: 164142
Ion Ratio Lower Upper
152 100
115 61.0 43.5 130.7
150 157.2 0.0 350.0

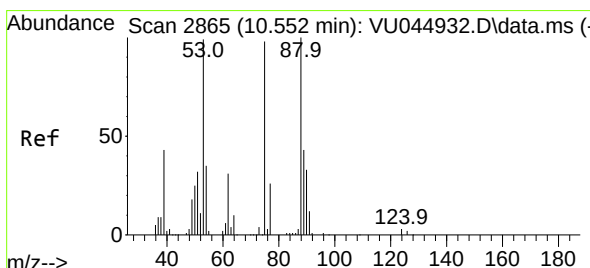
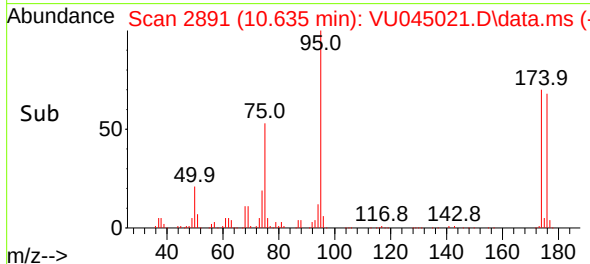
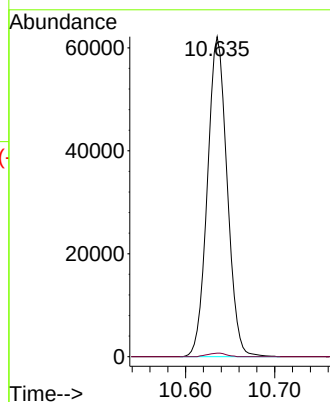
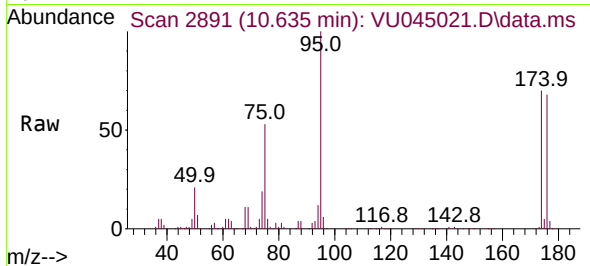




#76
1,2,3-Trichloropropane
Concen: 19.968 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Instrument :
MSVOA_U
ClientSampleId :
PB139450ZHE#04

Tgt Ion: 75 Resp: 95601
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.414 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045021.D
Acq: 30 Sep 2021 03:04

Tgt Ion: 75 Resp: 95601
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

