

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045595.D
 Acq On : 06 Nov 2021 05:57
 Operator : SY/MD
 Sample : M4470-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SP-3

Quant Time: Nov 06 21:54:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	119170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	231974	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	241266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	118895	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	103166	57.806	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.620%	
35) Dibromofluoromethane	5.295	113	78421	50.634	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.260%	
50) Toluene-d8	7.899	98	311205	54.037	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.080%	
62) 4-Bromofluorobenzene	10.635	95	116447	50.424	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.840%	

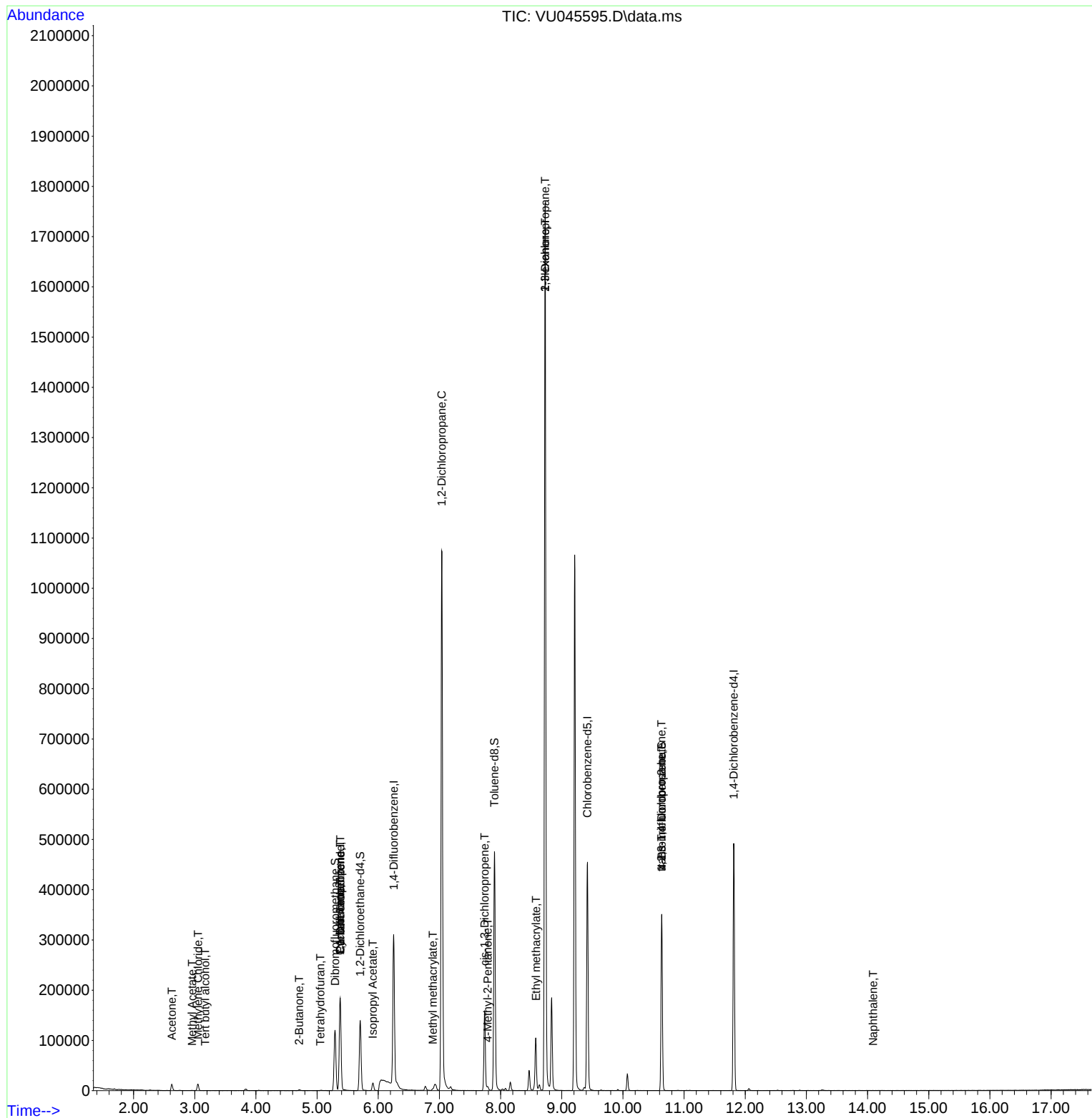
Target Compounds						Qvalue
11) Tert butyl alcohol	3.169	59	72	0.204	ug/l #	72
16) Acetone	2.626	43	14750	16.235	ug/l	99
18) Methyl Acetate	2.957	43	694	0.224	ug/l #	50
20) Methylene Chloride	3.054	84	6084	3.854	ug/l	94
25) 2-Butanone	4.706	43	3045	2.417	ug/l	99
29) Tetrahydrofuran	5.054	42	512	0.664	ug/l #	30
31) Cyclohexane	5.375	56	2721	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10906	4.822	ug/l #	50
38) Carbon Tetrachloride	5.378	117	12775	5.602	ug/l #	16
43) Isopropyl Acetate	5.912	43	16335	4.110	ug/l	100
45) 1,2-Dichloropropane	7.037	63	1274	0.719	ug/l #	43
48) Methyl methacrylate	6.893	41	5140	2.810	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4169	1.590	ug/l	95
54) cis-1,3-Dichloropropene	7.738	75	28723	10.100	ug/l #	61
56) Ethyl methacrylate	8.581	69	858	2.692	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	17993	5.879	ug/l #	42
59) 2-Hexanone	8.729	43	236917	108.263	ug/l #	49
76) 1,2,3-Trichloropropane	10.632	75	62846	17.430	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	62846	56.675	ug/l #	12
95) Naphthalene	14.092	128	180	1.047	ug/l #	69

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

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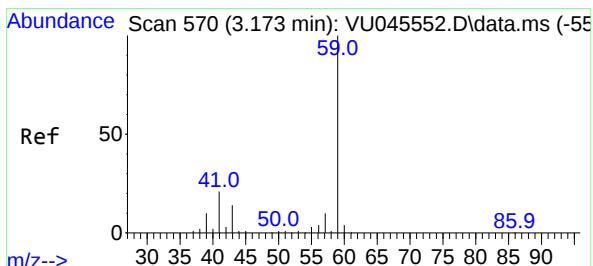
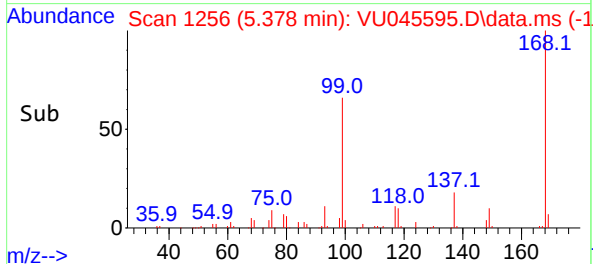
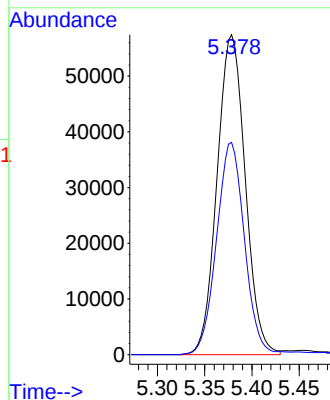
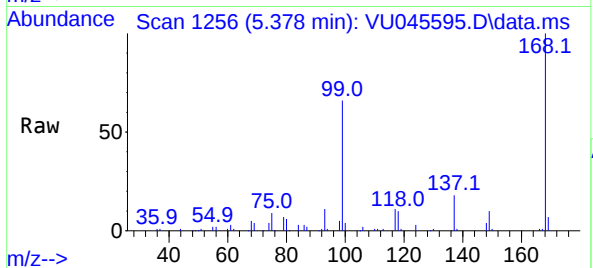




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

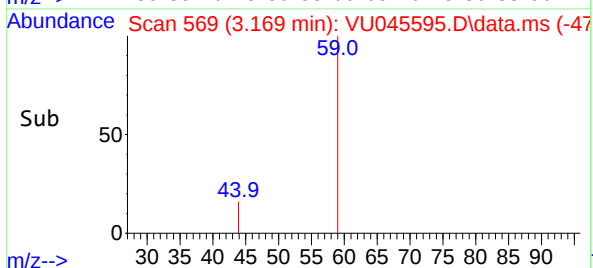
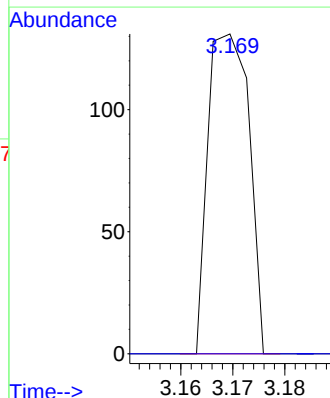
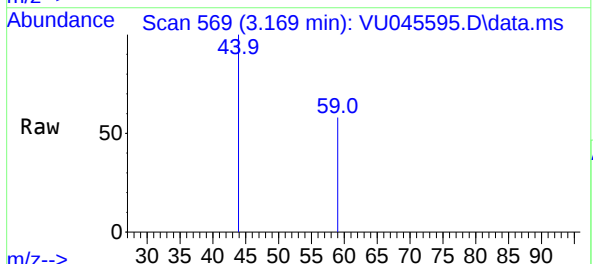
Instrument :
MSVOA_U
ClientSampleId :
SP-3

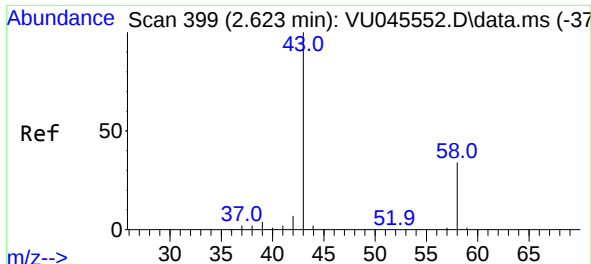
Tgt Ion:168 Resp: 119170
Ion Ratio Lower Upper
168 100
99 66.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.204 ug/l
RT: 3.169 min Scan# 569
Delta R.T. -0.003 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

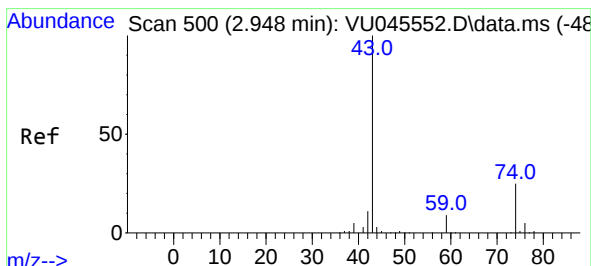
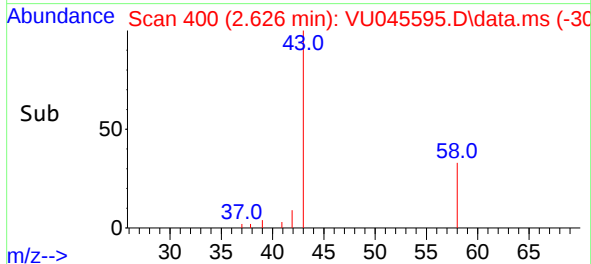
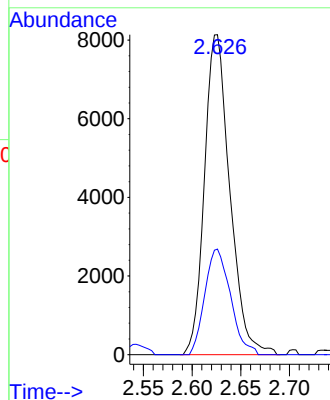
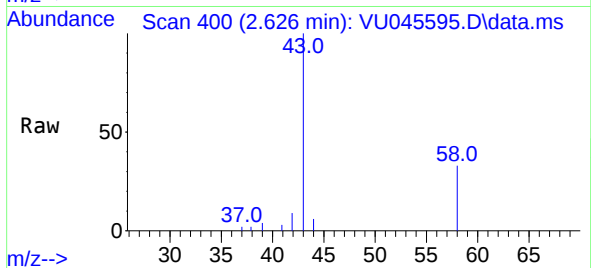




#16
Acetone
Concen: 16.235 ug/l
RT: 2.626 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

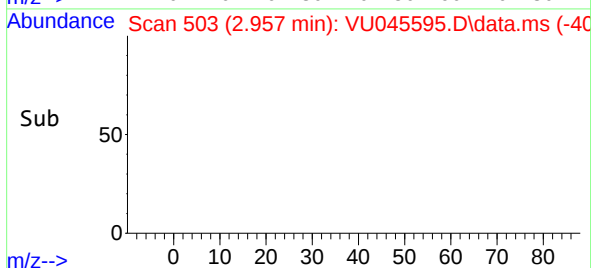
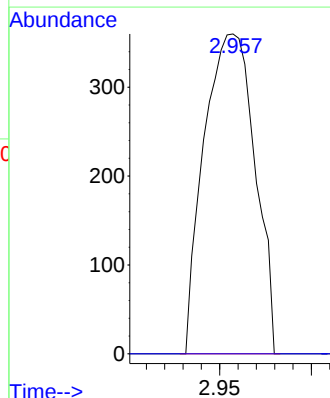
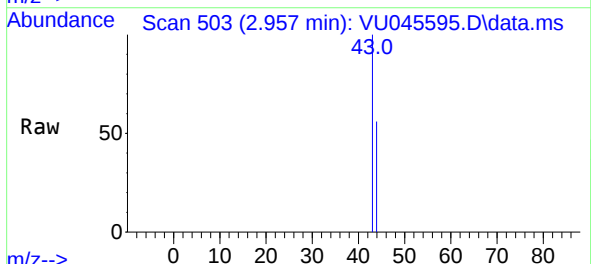
Instrument :
MSVOA_U
ClientSampleId :
SP-3

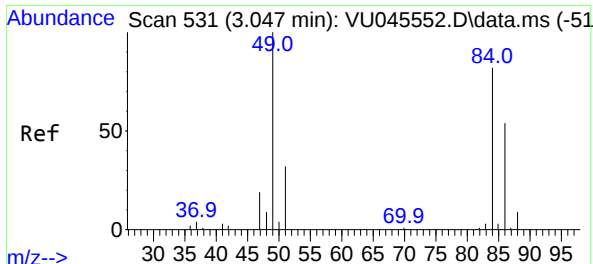
Tgt Ion: 43 Resp: 14750
Ion Ratio Lower Upper
43 100
58 33.0 26.2 39.2



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



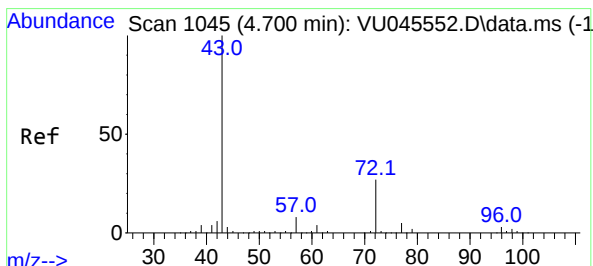
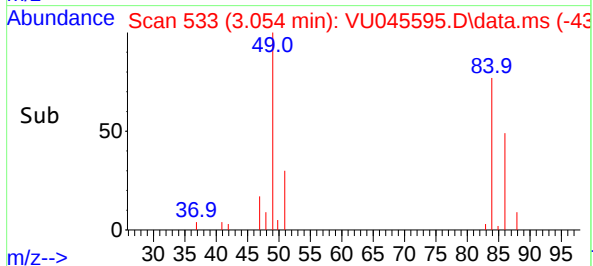
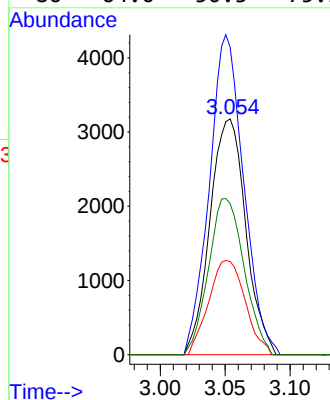
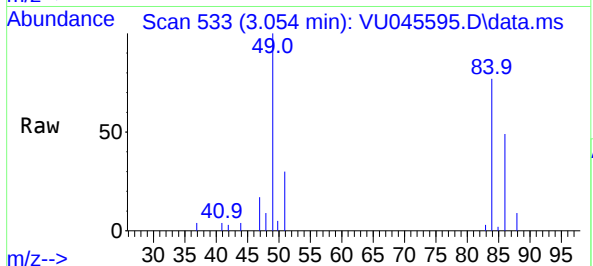


#20
Methylene Chloride
Concen: 3.854 ug/l
RT: 3.054 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Instrument :
MSVOA_U
ClientSampleId :
SP-3

Tgt Ion: 84 Resp: 6084

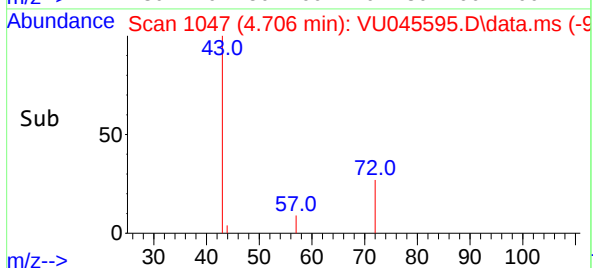
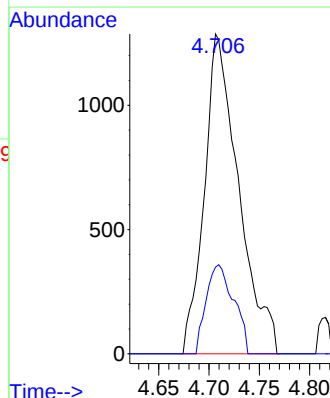
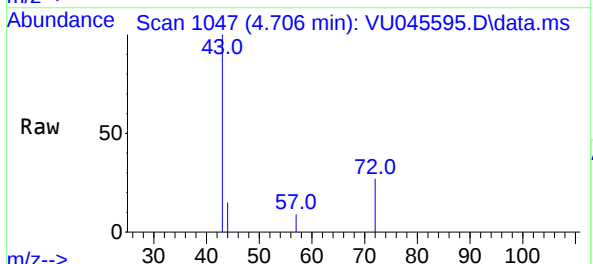
Ion	Ratio	Lower	Upper
84	100		
49	130.4	96.4	144.6
51	39.5	30.5	45.7
86	64.0	50.3	75.5

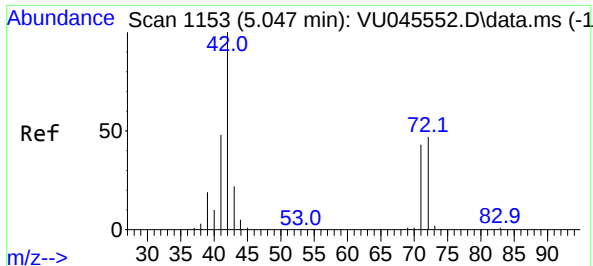


#25
2-Butanone
Concen: 2.417 ug/l
RT: 4.706 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 43 Resp: 3045

Ion	Ratio	Lower	Upper
43	100		
72	27.1	22.0	33.0

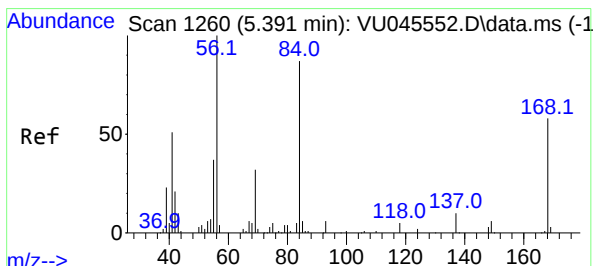
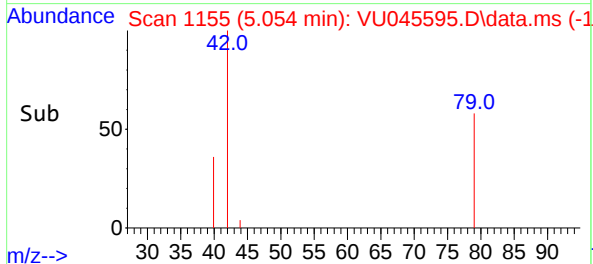
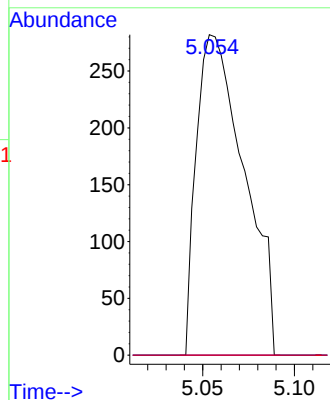
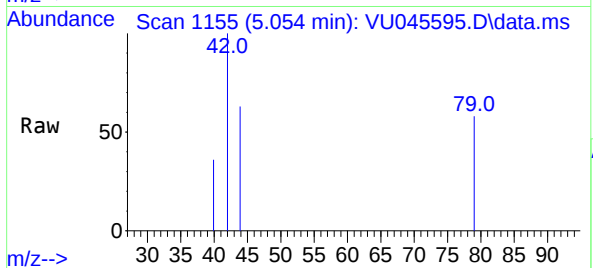




#29
Tetrahydrofuran
Concen: 0.664 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

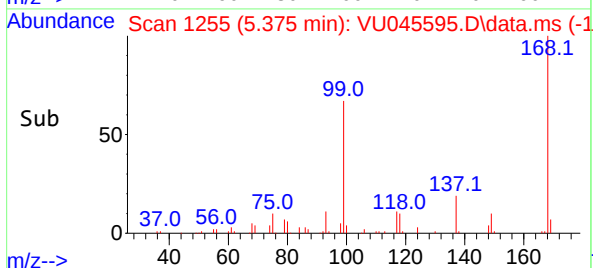
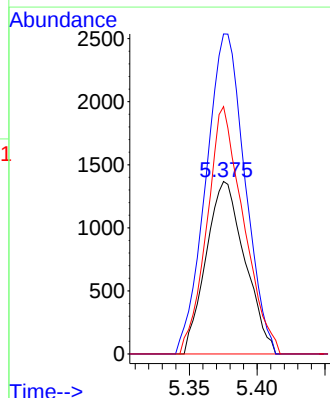
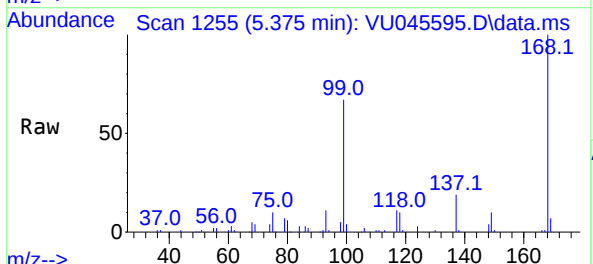
Instrument :
MSVOA_U
ClientSampleId :
SP-3

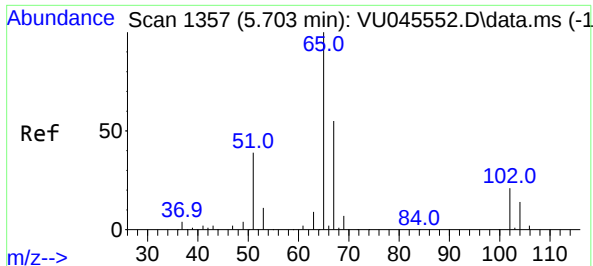
Tgt Ion:	42	Resp:	512
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.4#
71	0.0	35.4	53.2#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion:	56	Resp:	2721
Ion	Ratio	Lower	Upper
56	100		
69	185.6	26.4	39.6#
84	143.5	68.4	102.6#

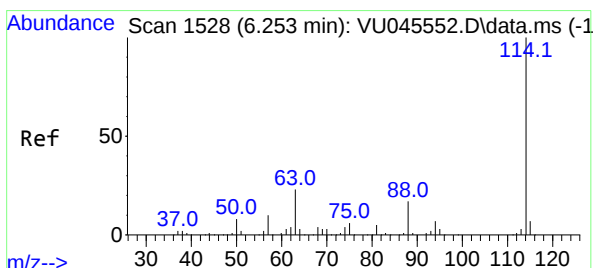
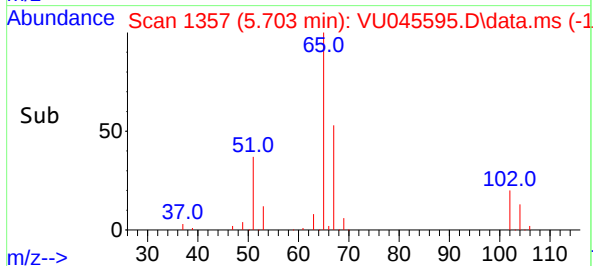
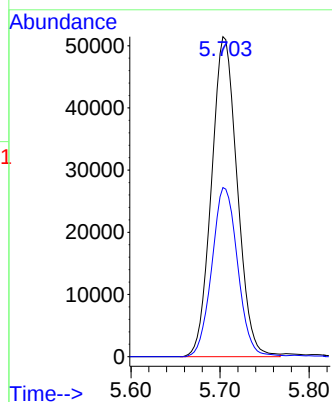
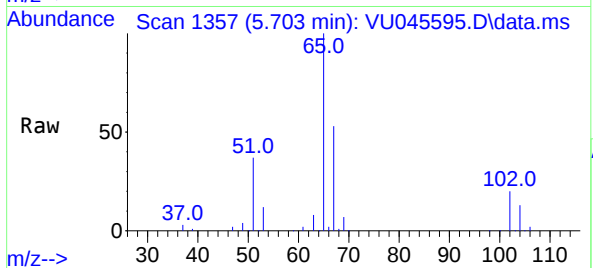




#33
1,2-Dichloroethane-d4
Concen: 57.806 ug/l
RT: 5.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

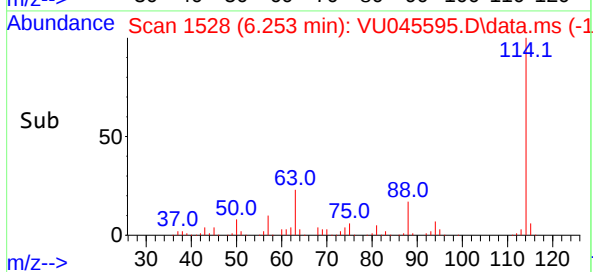
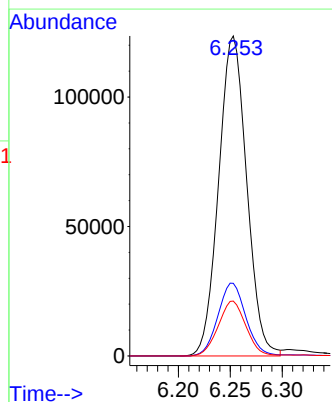
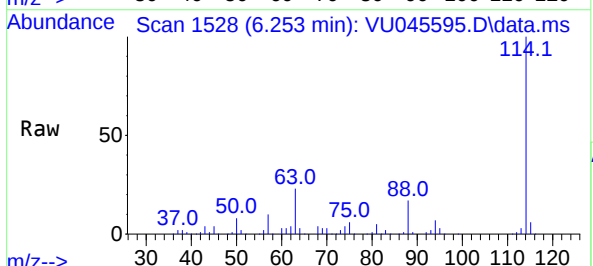
Instrument :
MSVOA_U
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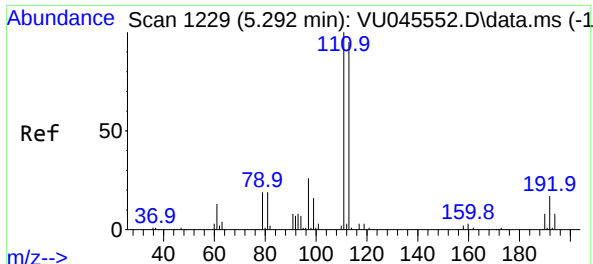
Tgt Ion: 65 Resp: 103166
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 114 Resp: 231974
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.6
88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.634 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

Instrument :

MSVOA_U

ClientSampleId :

SP-3

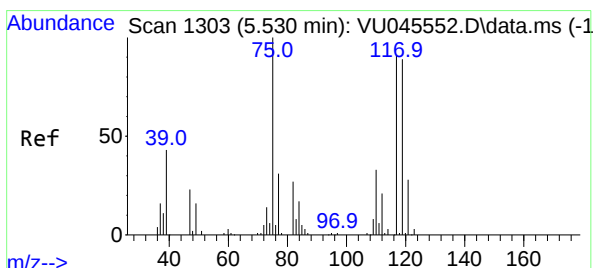
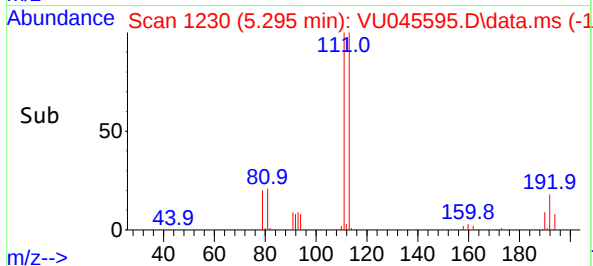
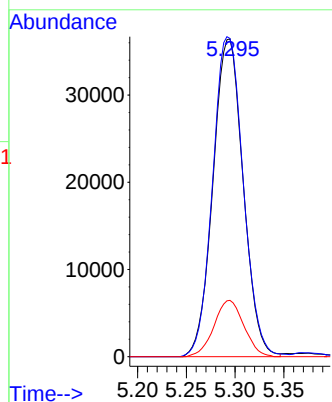
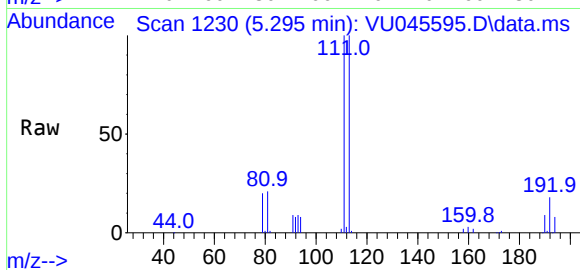
Tgt Ion:113 Resp: 78421

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 17.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

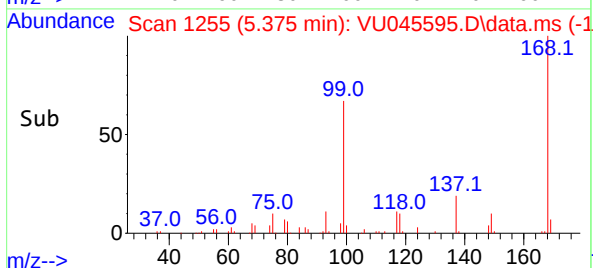
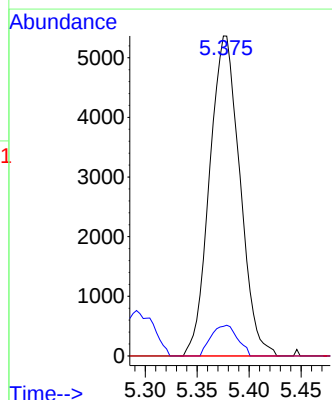
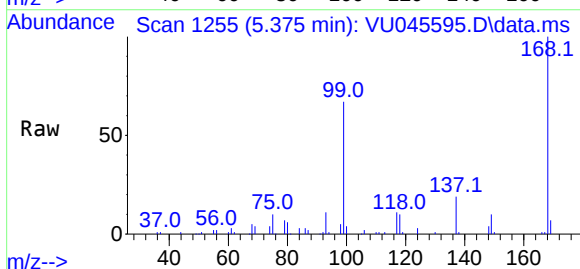
Tgt Ion: 75 Resp: 10906

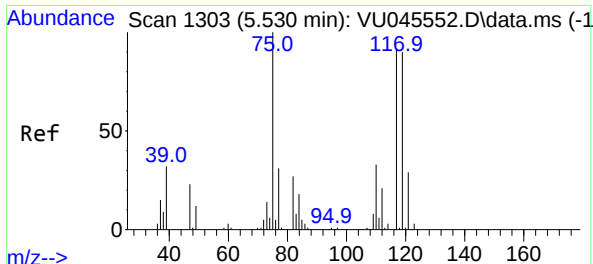
Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.0#

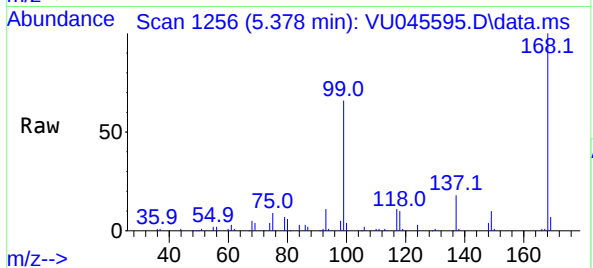
77 0.0 25.0 37.4#



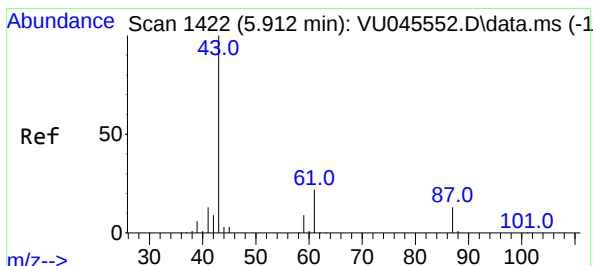
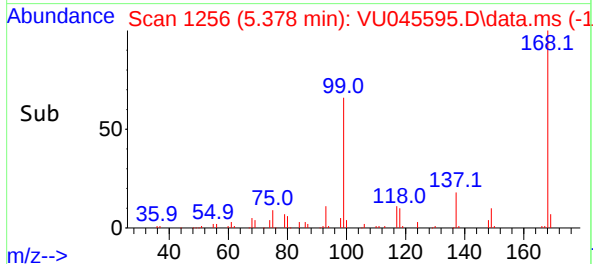
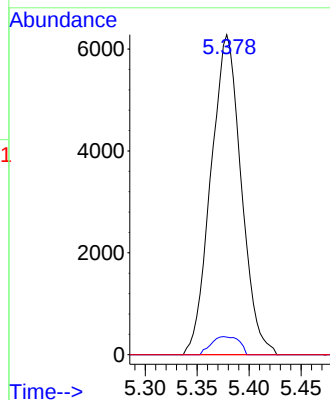


#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Instrument :
MSVOA_U
ClientSampleId :
SP-3

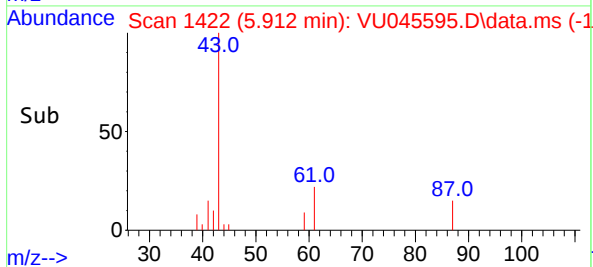
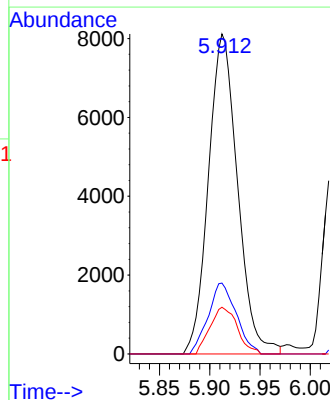
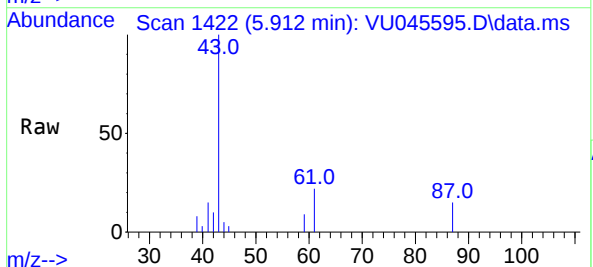


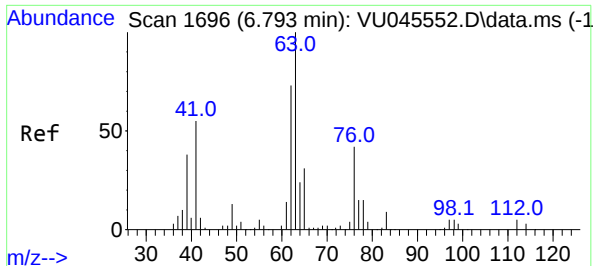
Tgt Ion:117 Resp: 12775
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.110 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 43 Resp: 16335
Ion Ratio Lower Upper
43 100
61 21.4 16.9 25.3
87 13.7 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.719 ug/l

RT: 7.037 min Scan# 1

Delta R.T. 0.244 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

Instrument :

MSVOA_U

ClientSampleId :

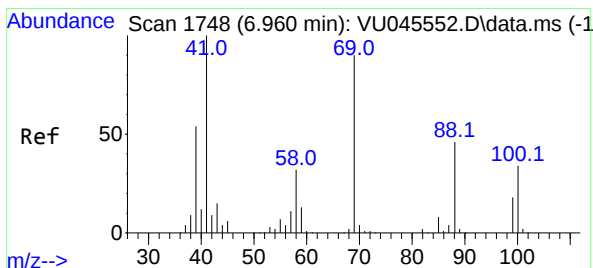
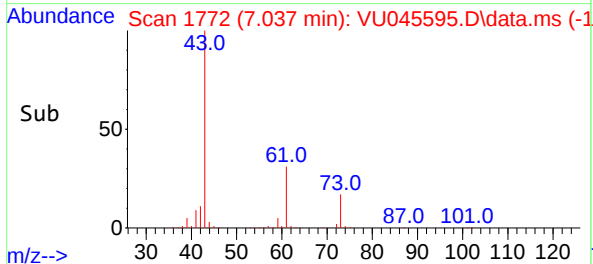
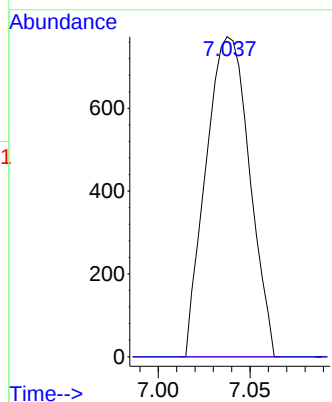
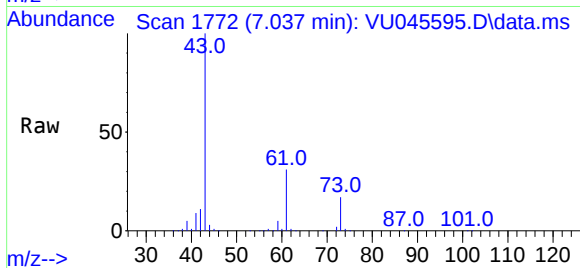
SP-3

Tgt Ion: 63 Resp: 1274

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.810 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.068 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

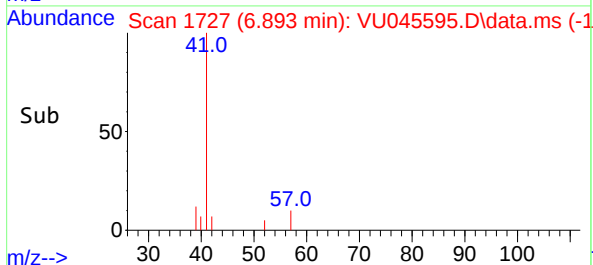
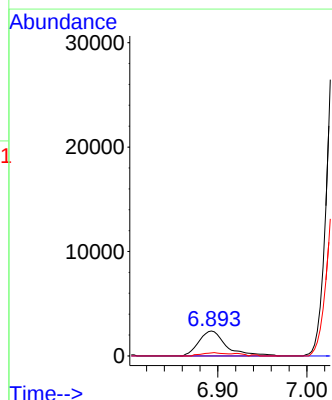
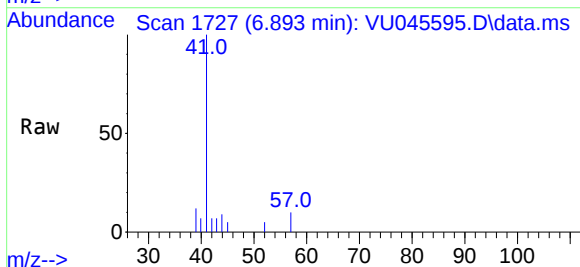
Tgt Ion: 41 Resp: 5140

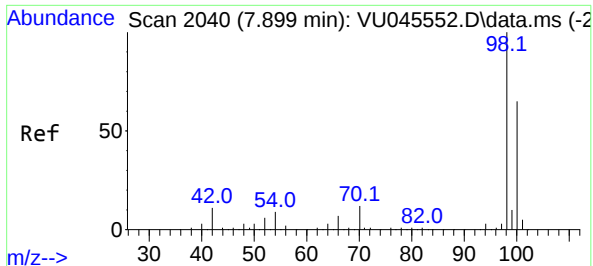
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#





#50

Toluene-d8

Concen: 54.037 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

Instrument :

MSVOA_U

ClientSampleId :

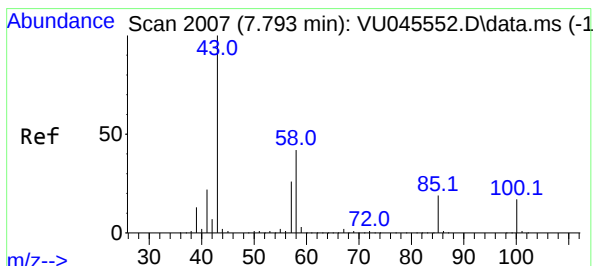
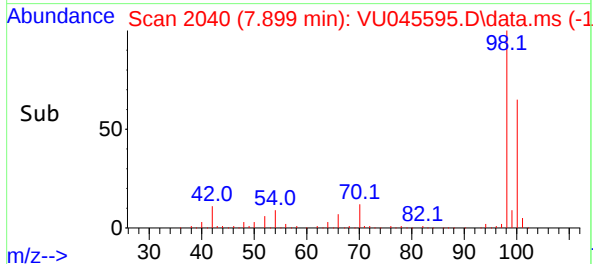
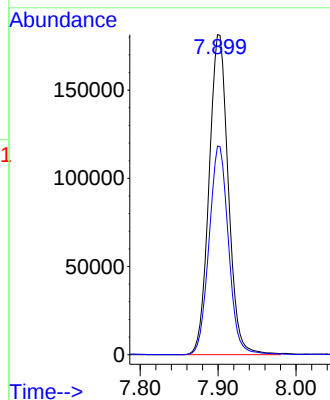
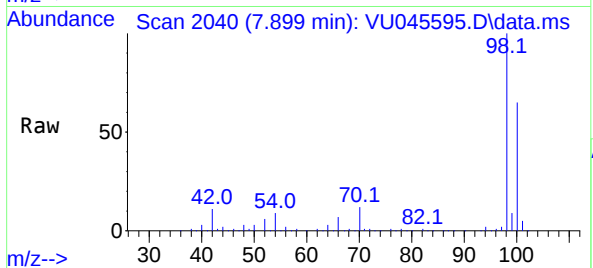
SP-3

Tgt Ion: 98 Resp: 311205

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 7.790 min Scan# 2006

Delta R.T. -0.003 min

Lab File: VU045595.D

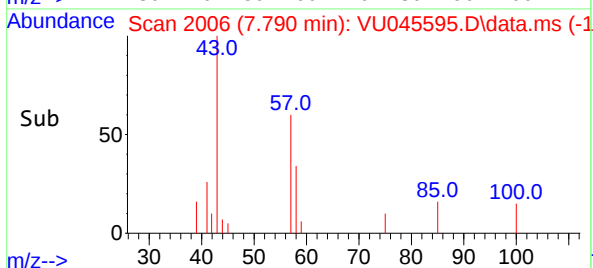
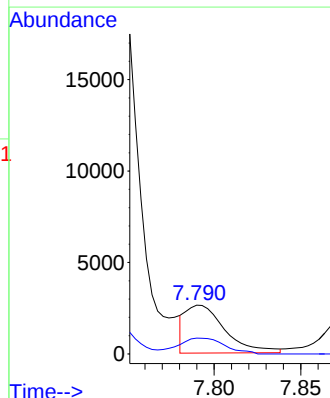
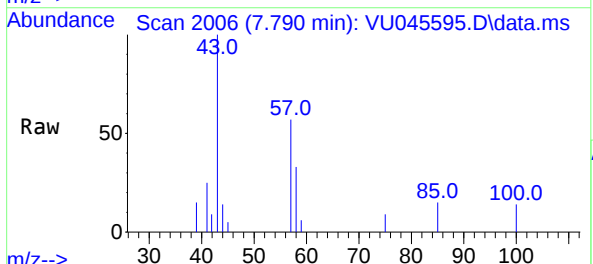
Acq: 06 Nov 2021 05:57

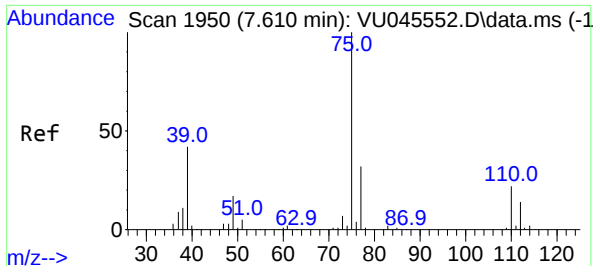
Tgt Ion: 43 Resp: 4169

Ion Ratio Lower Upper

43 100

58 38.8 33.8 50.8

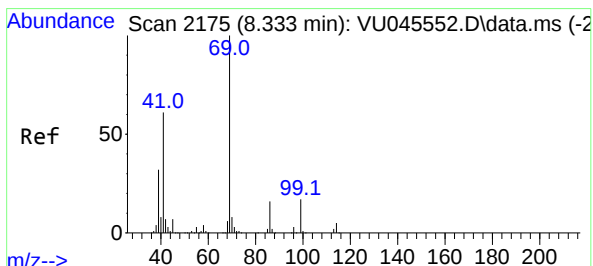
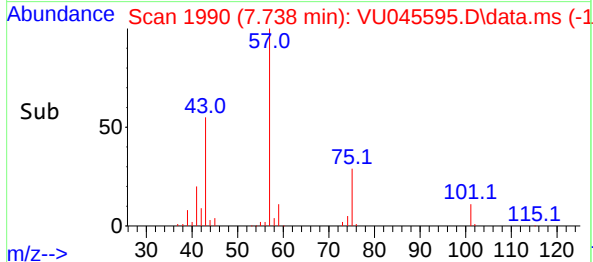
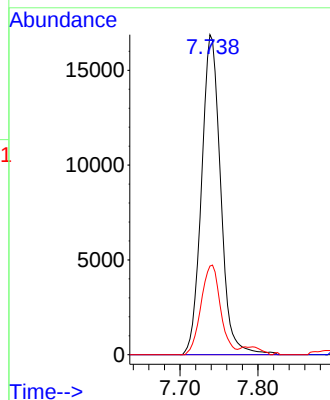
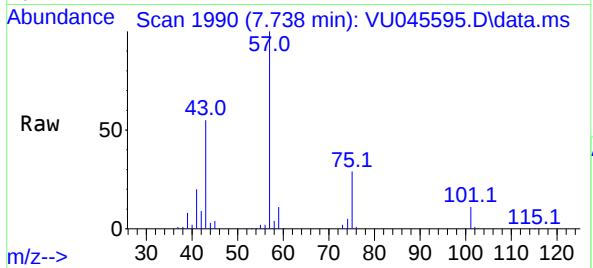




#54
cis-1,3-Dichloropropene
Concen: 10.100 ug/l
RT: 7.738 min Scan# 11
Delta R.T. 0.128 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

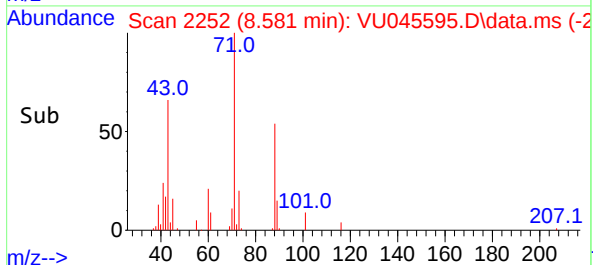
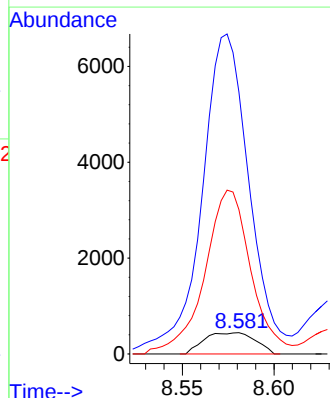
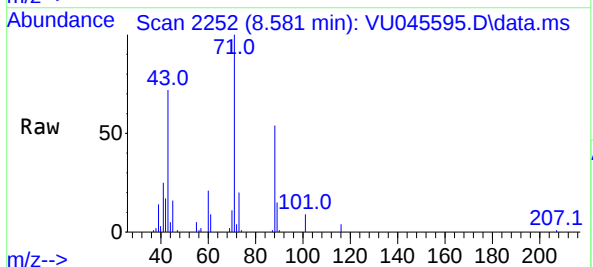
Instrument :
MSVOA_U
ClientSampleId :
SP-3

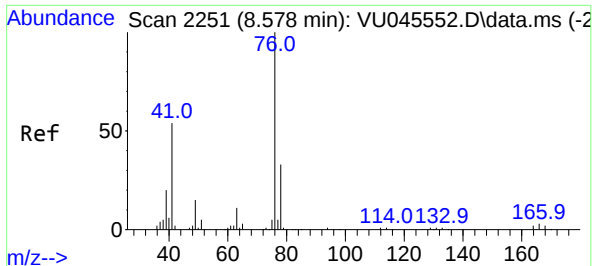
Tgt Ion: 75 Resp: 28723
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 27.7 37.1 55.7#



#56
Ethyl methacrylate
Concen: 2.692 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.248 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 69 Resp: 858
Ion Ratio Lower Upper
69 100
41 1401.0 51.0 76.4#
39 697.4 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.879 ug/l

RT: 8.729 min Scan# 21

Delta R.T. 0.151 min

Lab File: VU045595.D

Acq: 06 Nov 2021 05:57

Instrument :

MSVOA_U

ClientSampleId :

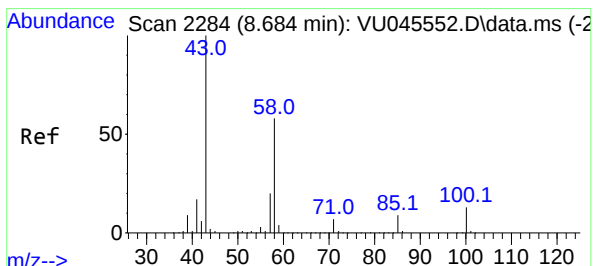
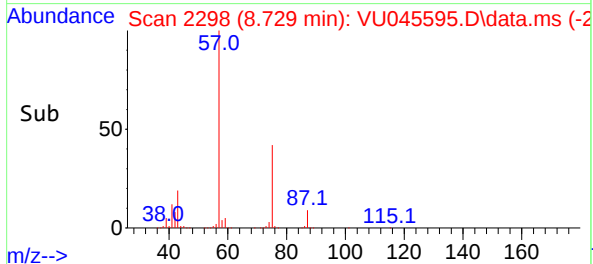
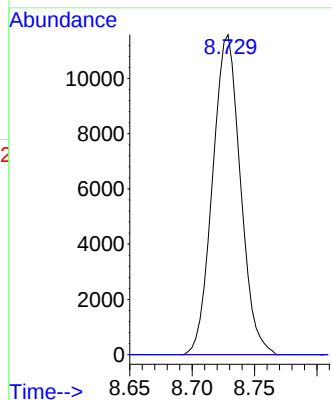
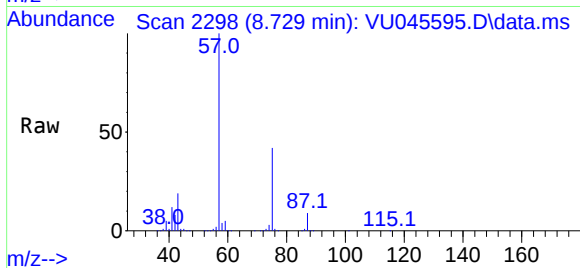
SP-3

Tgt Ion: 76 Resp: 17993

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 108.263 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045595.D

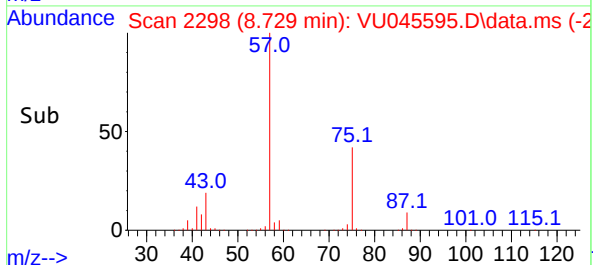
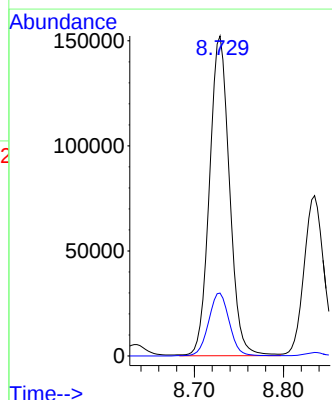
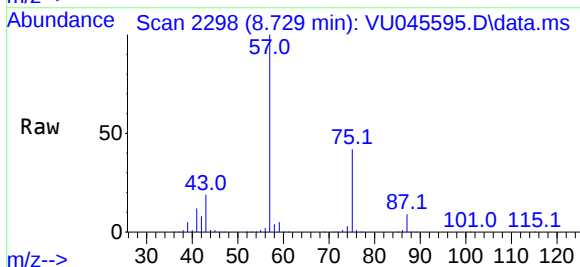
Acq: 06 Nov 2021 05:57

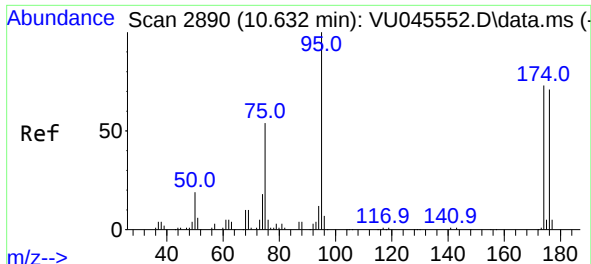
Tgt Ion: 43 Resp: 236917

Ion Ratio Lower Upper

43 100

58 20.5 29.5 88.6#

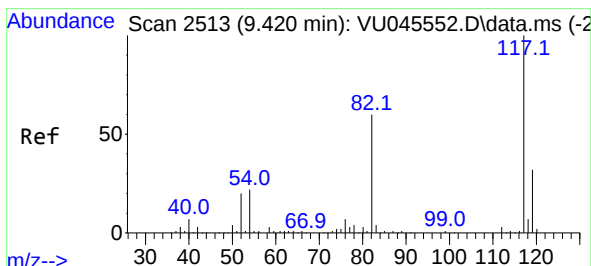
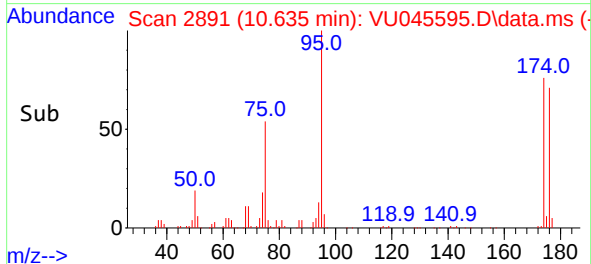
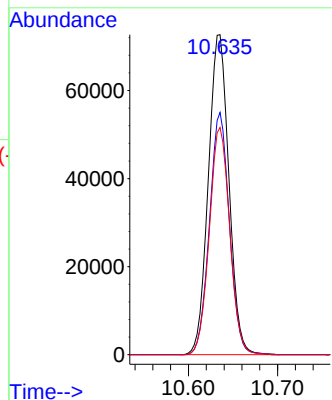
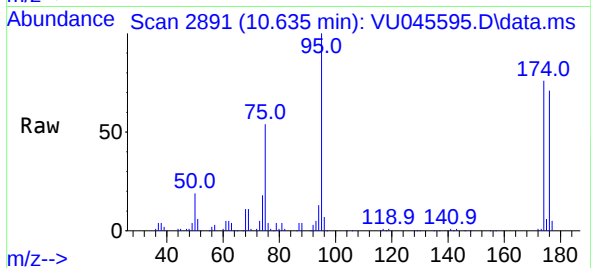




#62
4-Bromofluorobenzene
Concen: 50.424 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

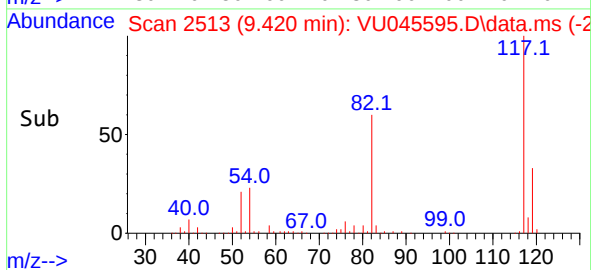
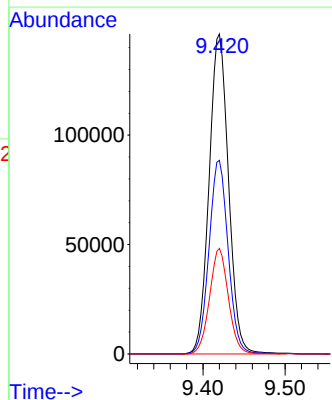
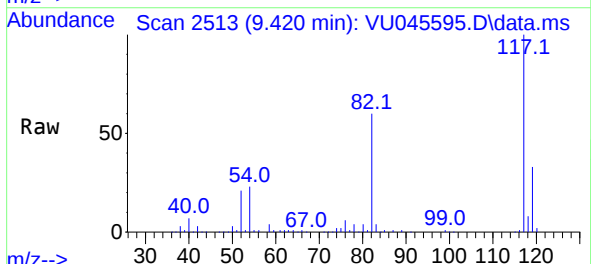
Instrument :
MSVOA_U
ClientSampleId :
SP-3

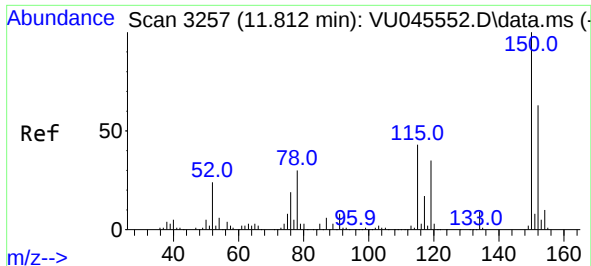
Tgt Ion: 95 Resp: 116447
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.8
176 70.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 117 Resp: 241266
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 33.0 25.8 38.8

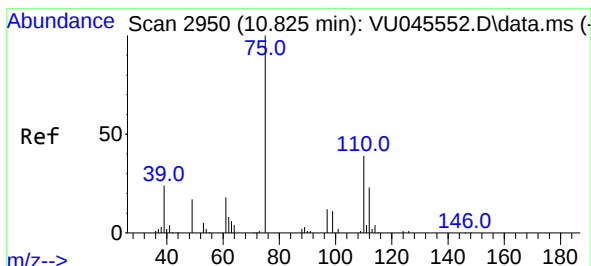
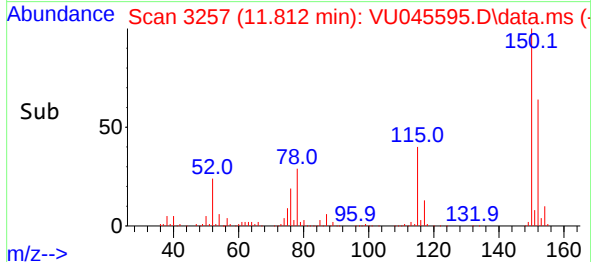
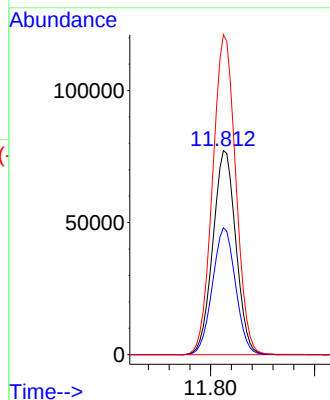
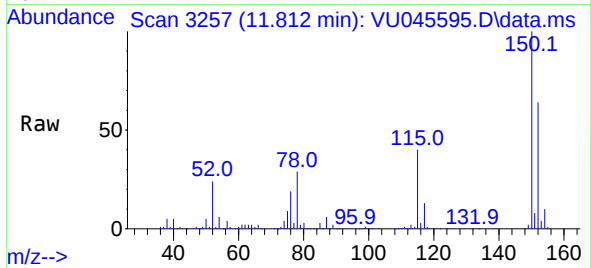




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

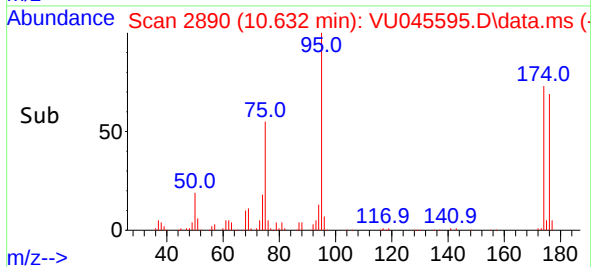
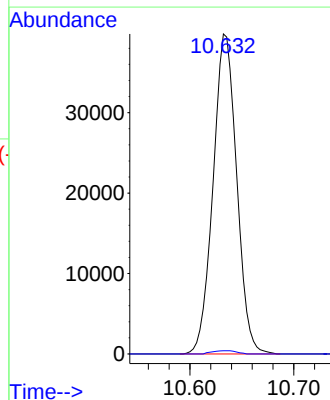
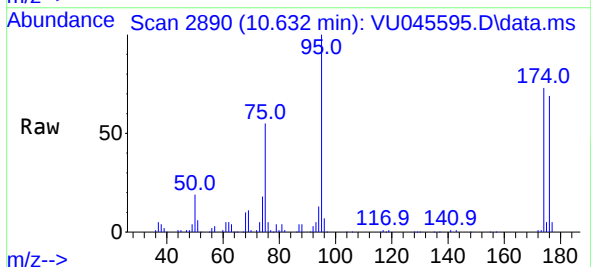
Instrument :
MSVOA_U
ClientSampleId :
SP-3

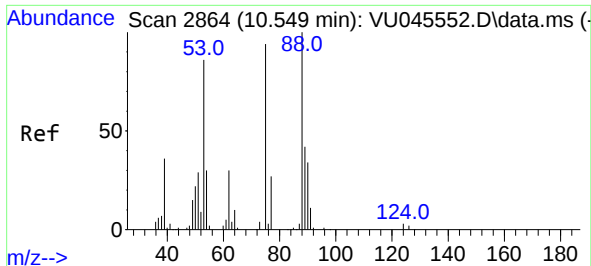
Tgt Ion:152 Resp: 118895
Ion Ratio Lower Upper
152 100
115 62.5 42.7 128.1
150 157.7 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.430 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 75 Resp: 62846
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#

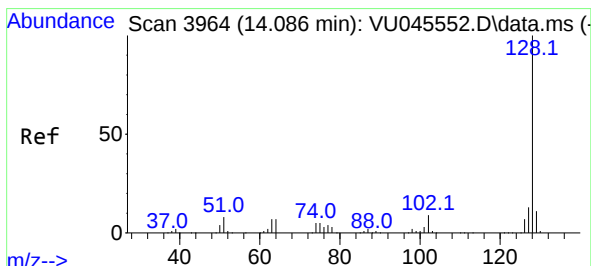
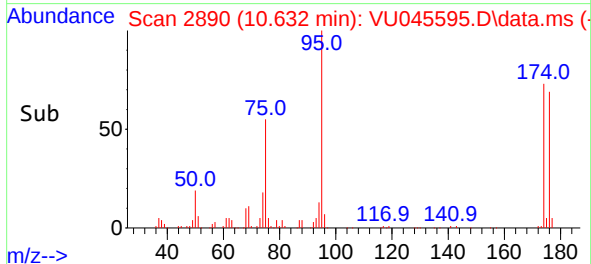
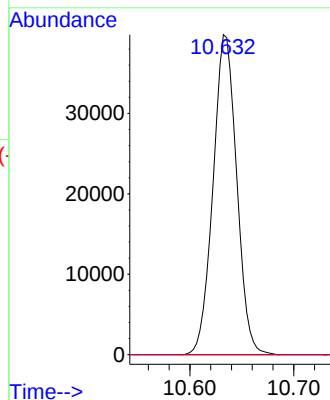
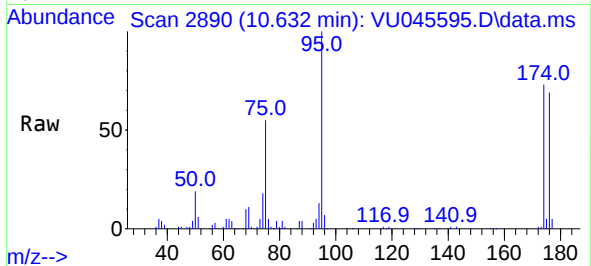




#81
trans-1,4-Dichloro-2-butene
Concen: 56.675 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Instrument :
MSVOA_U
ClientSampleId :
SP-3

Tgt Ion: 75 Resp: 62846
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.047 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045595.D
Acq: 06 Nov 2021 05:57

Tgt Ion: 128 Resp: 180
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

