

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045694.D
 Acq On : 10 Nov 2021 17:40
 Operator : SY/MD
 Sample : M4540-07
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-4

Quant Time: Nov 10 18:02:03 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	5.369	168	136606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	254419	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	257104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	131995	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	107233	52.415	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.840%	
35) Dibromofluoromethane	5.289	113	81940	48.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	7.899	98	324552	51.383	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.760%	
62) 4-Bromofluorobenzene	10.639	95	128474	50.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.440%	

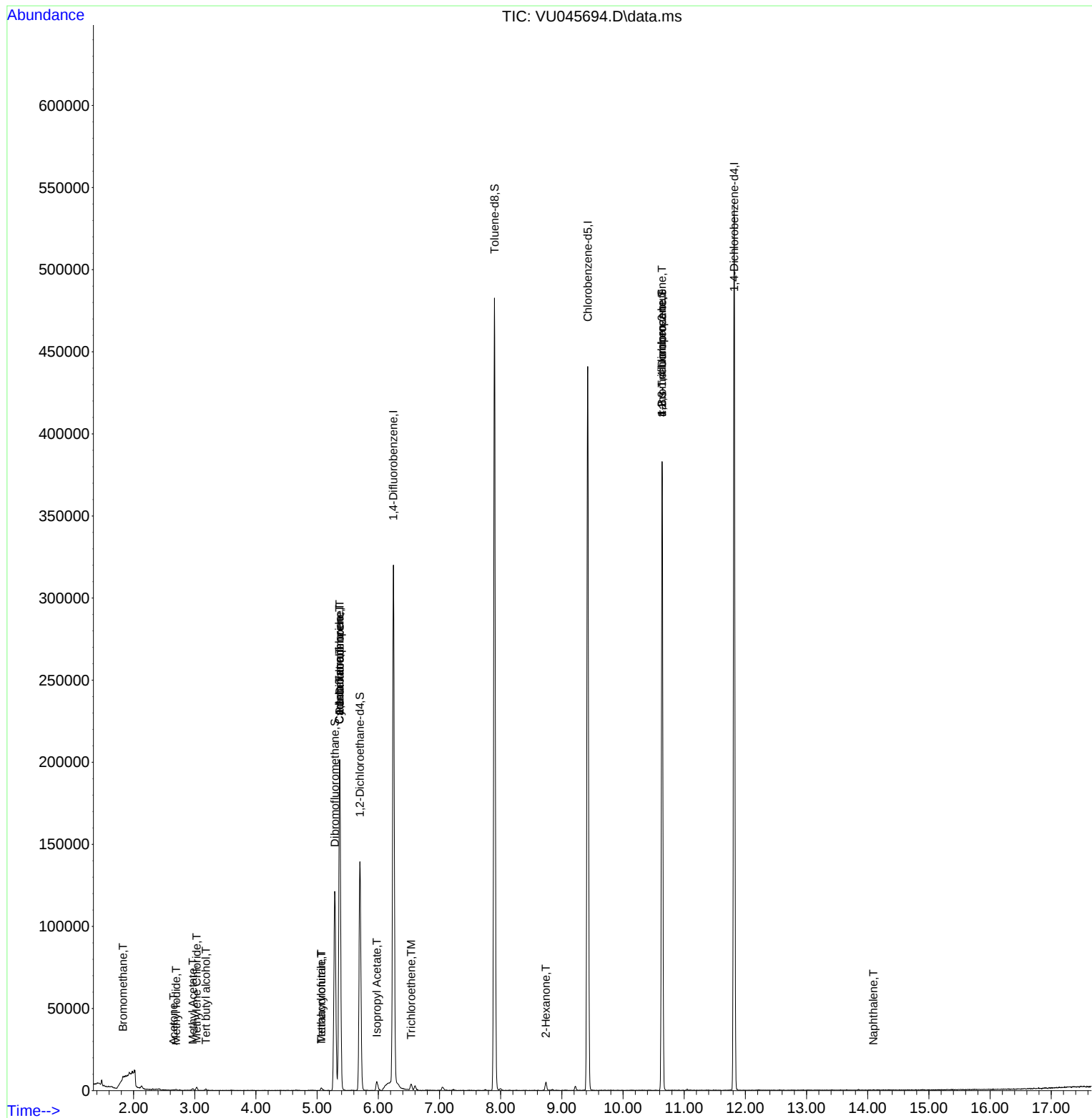
Target Compounds				Qvalue		
5) Bromomethane	1.826	94	475	0.431	ug/l	92
10) Methyl Iodide	2.694	142	641	0.321	ug/l #	76
11) Tert butyl alcohol	3.183	59	400	0.988	ug/l #	72
16) Acetone	2.652	43	629	0.604	ug/l #	42
18) Methyl Acetate	2.967	43	1562	0.440	ug/l #	76
20) Methylene Chloride	3.031	84	1034	0.571	ug/l	92
29) Tetrahydrofuran	5.070	42	1090	1.234	ug/l #	81
31) Cyclohexane	5.366	56	3345	1.121	ug/l #	14
36) 1,1-Dichloropropene	5.369	75	11950	4.817	ug/l #	51
38) Carbon Tetrachloride	5.366	117	14272	5.706	ug/l #	16
41) Methacrylonitrile	5.070	41	541	0.359	ug/l #	32
43) Isopropyl Acetate	5.977	43	2368	0.543	ug/l #	59
44) Trichloroethene	6.536	130	1157	0.658	ug/l	80
59) 2-Hexanone	8.739	43	917	7.890	ug/l #	27
76) 1,2,3-Trichloropropane	10.639	75	69108	17.265	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	69108	56.165	ug/l #	12
95) Naphthalene	14.092	128	269	1.053	ug/l #	69

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

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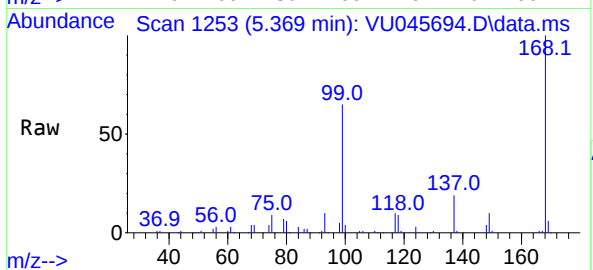
Quant Time: Nov 10 18:02:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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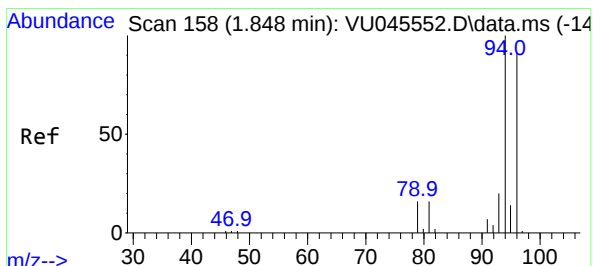
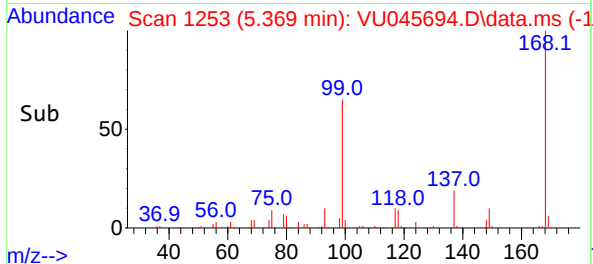
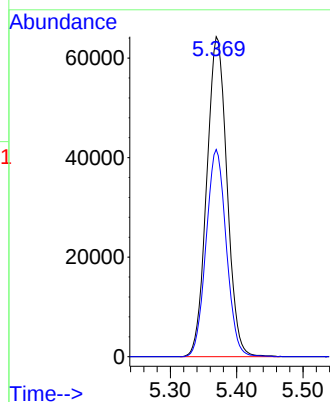


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Instrument :
MSVOA_U
ClientSampleId :
TP-4

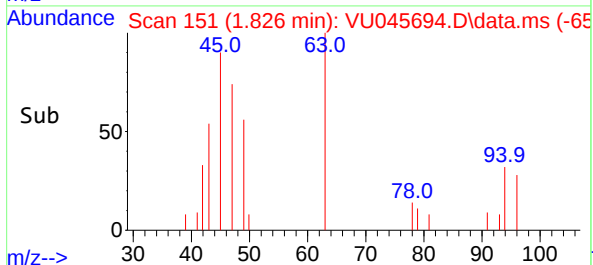
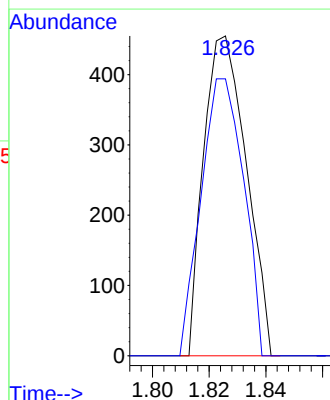
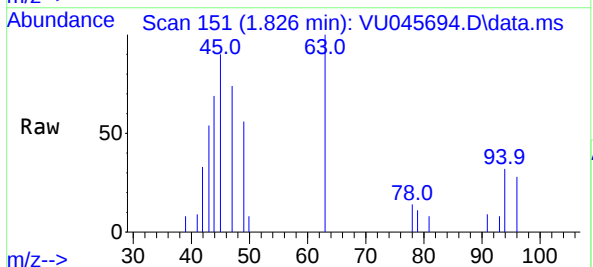


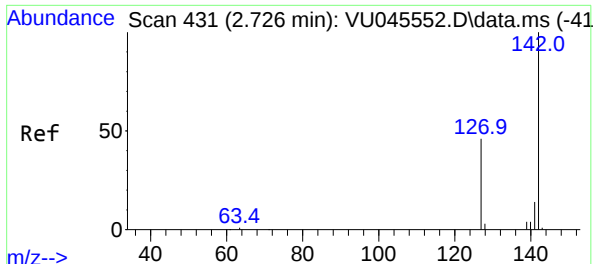
Tgt Ion:168 Resp: 136606
Ion Ratio Lower Upper
168 100
99 64.8 51.0 76.6



#5
Bromomethane
Concen: 0.431 ug/l
RT: 1.826 min Scan# 151
Delta R.T. -0.022 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion: 94 Resp: 475
Ion Ratio Lower Upper
94 100
96 86.6 75.4 113.2

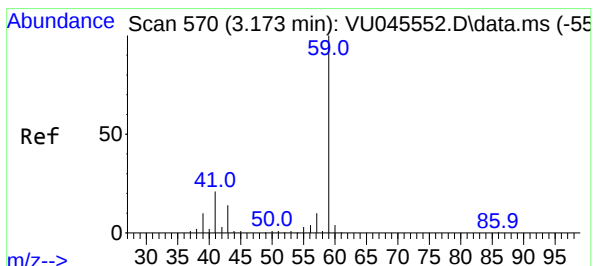
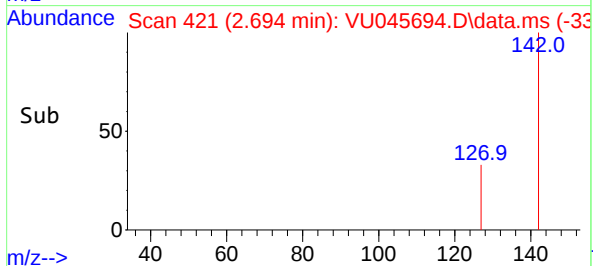
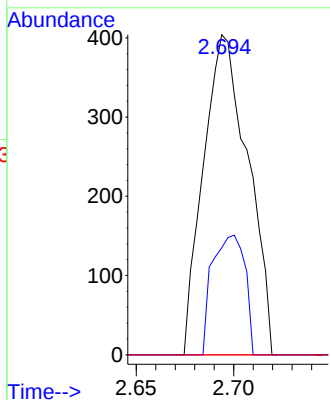
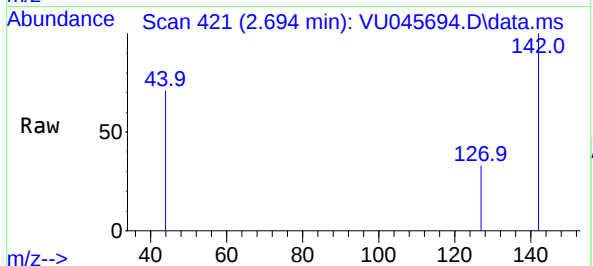




#10
Methyl Iodide
Concen: 0.321 ug/l
RT: 2.694 min Scan# 41
Delta R.T. -0.032 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

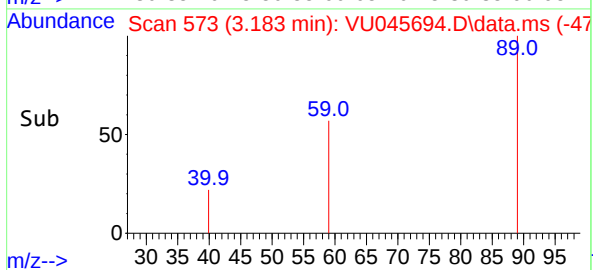
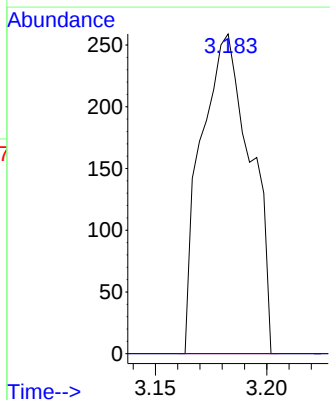
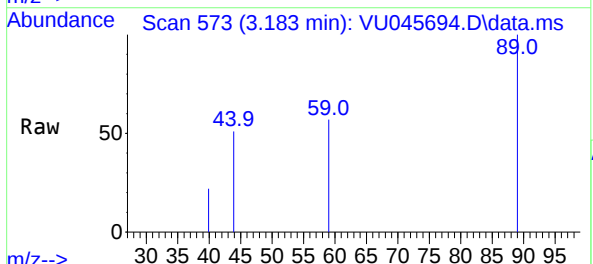
Instrument :
MSVOA_U
ClientSampleId :
TP-4

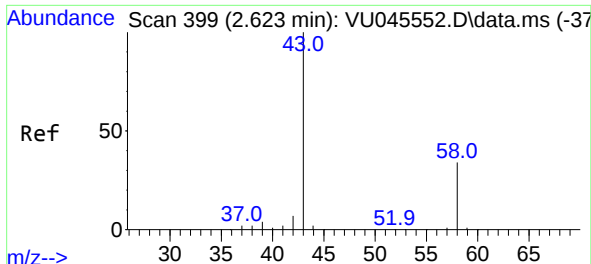
Tgt Ion:	142	Resp:	641
Ion	Ratio	Lower	Upper
142	100		
127	27.3	32.2	48.2#
141	0.0	11.3	16.9#



#11
Tert butyl alcohol
Concen: 0.988 ug/l
RT: 3.183 min Scan# 573
Delta R.T. 0.010 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion:	59	Resp:	400
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

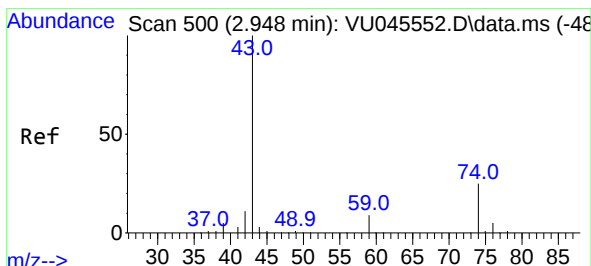
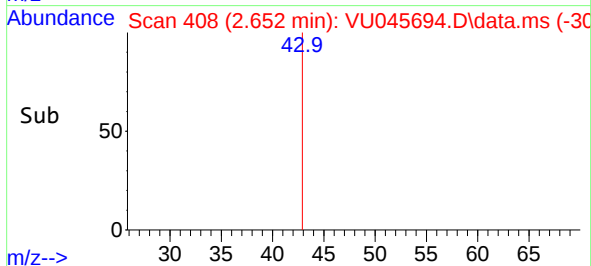
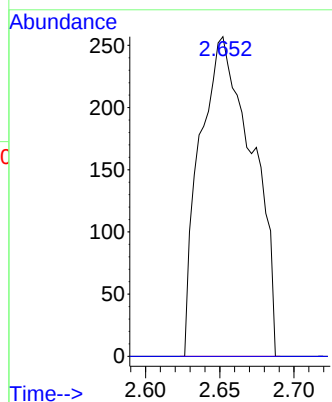
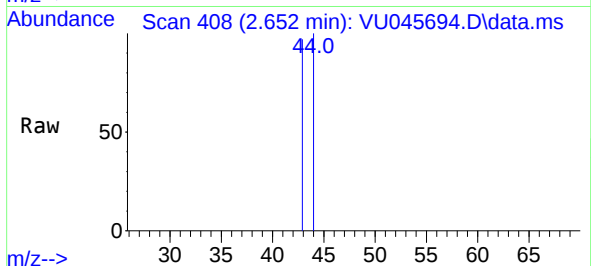




#16
Acetone
Concen: 0.604 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.029 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

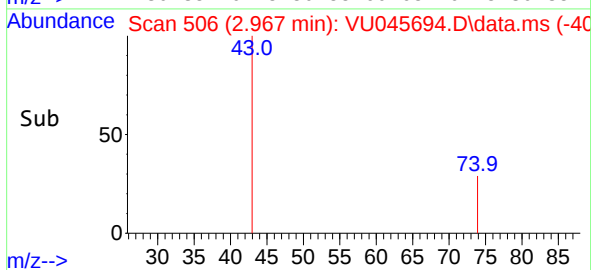
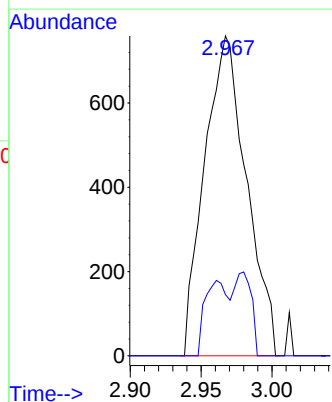
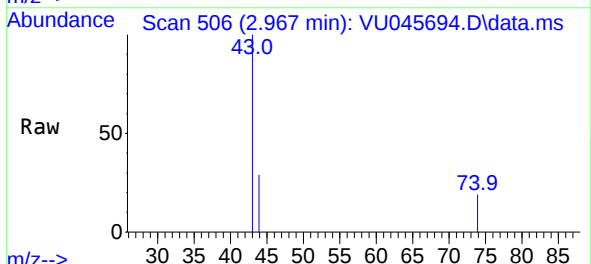
Instrument :
MSVOA_U
ClientSampleId :
TP-4

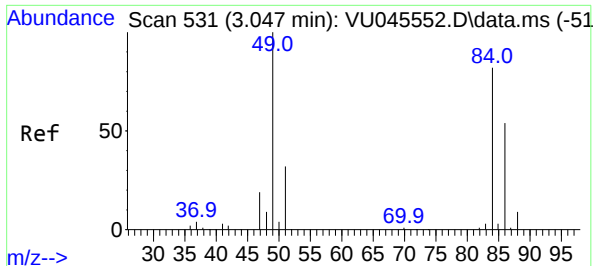
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.2#



#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.019 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
74 13.1 20.2 30.2#



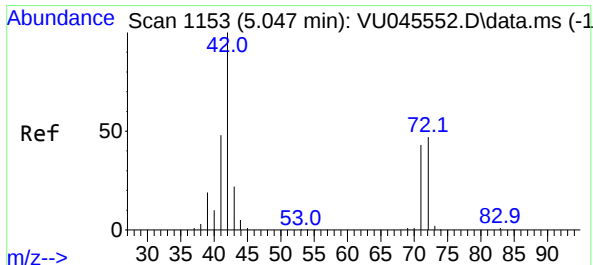
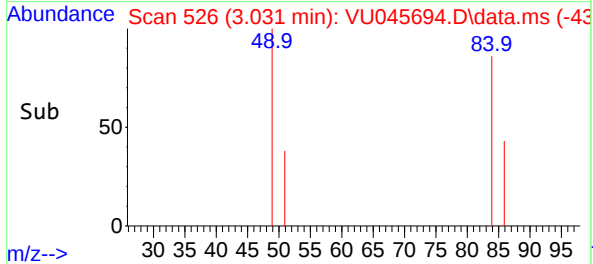
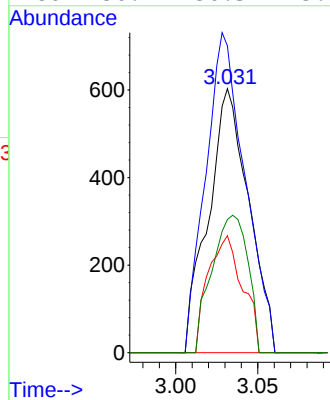
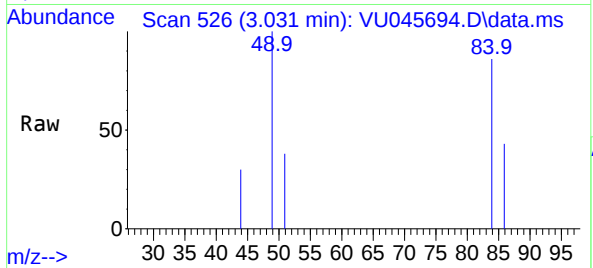


#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 3.031 min Scan# 51
Delta R.T. -0.016 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Instrument :
MSVOA_U
ClientSampleId :
TP-4

Tgt Ion: 84 Resp: 1034

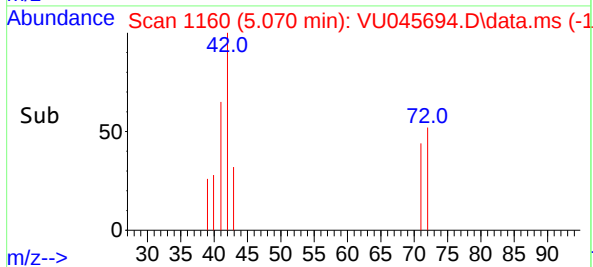
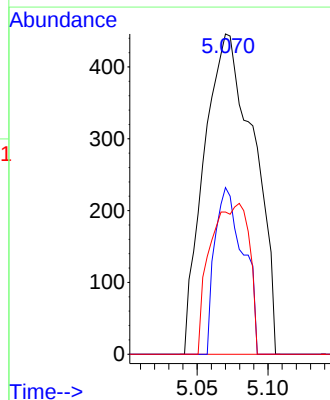
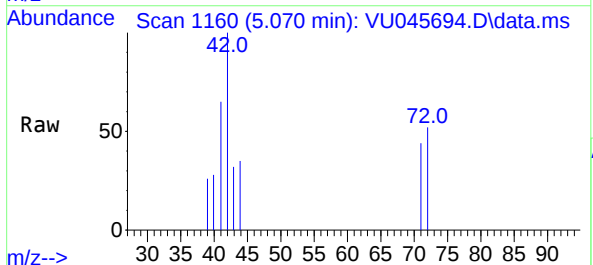
Ion	Ratio	Lower	Upper
84	100		
49	116.3	96.4	144.6
51	44.3	30.5	45.7
86	50.4	50.3	75.5

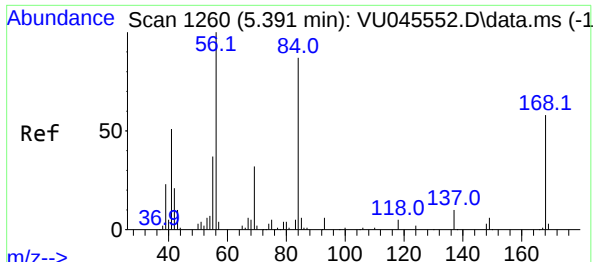


#29
Tetrahydrofuran
Concen: 1.234 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.023 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion: 42 Resp: 1090

Ion	Ratio	Lower	Upper
42	100		
72	29.8	38.2	57.4#
71	36.7	35.4	53.2





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.026 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

Instrument :

MSVOA_U

ClientSampleId :

TP-4

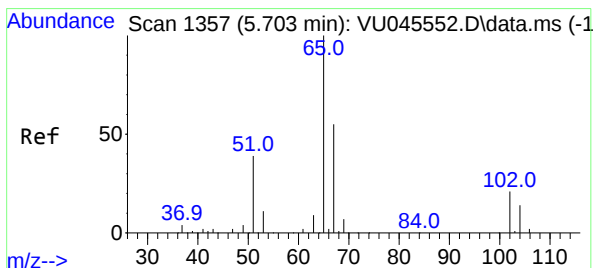
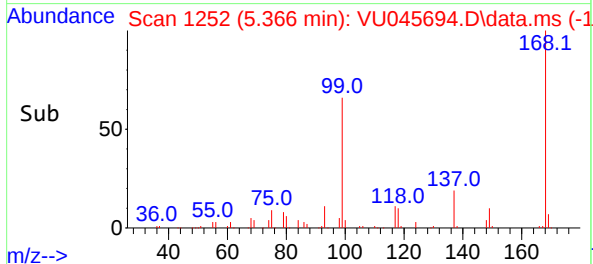
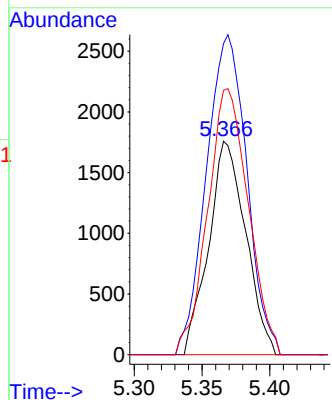
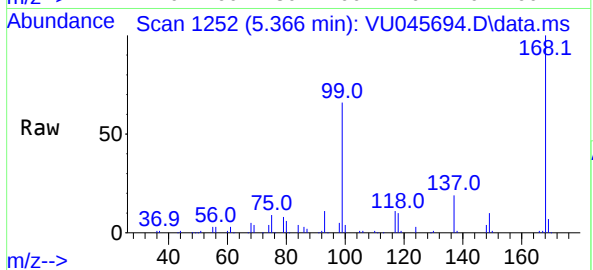
Tgt Ion: 56 Resp: 3345

Ion Ratio Lower Upper

56 100

69 145.8 26.4 39.6#

84 123.8 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 52.415 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.003 min

Lab File: VU045694.D

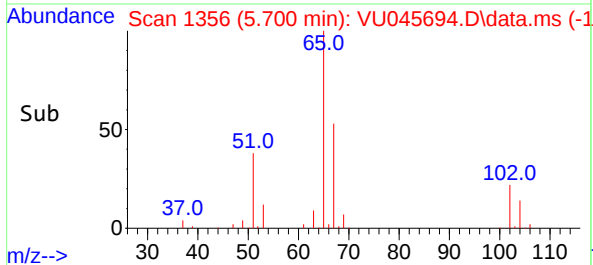
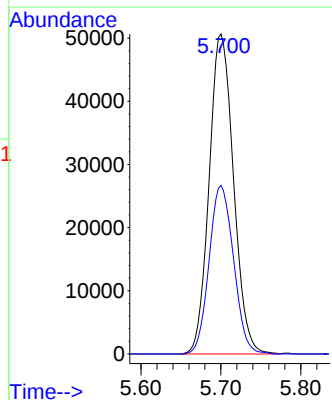
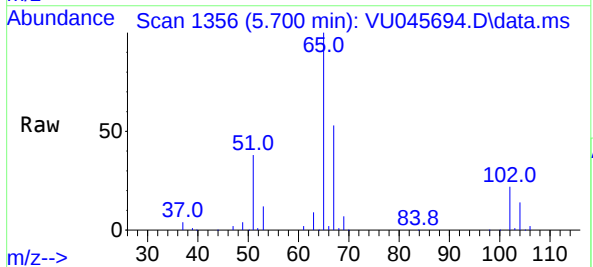
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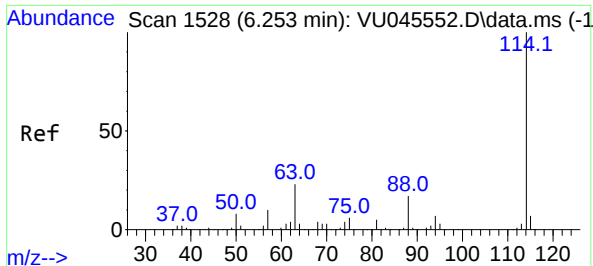
Tgt Ion: 65 Resp: 107233

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8

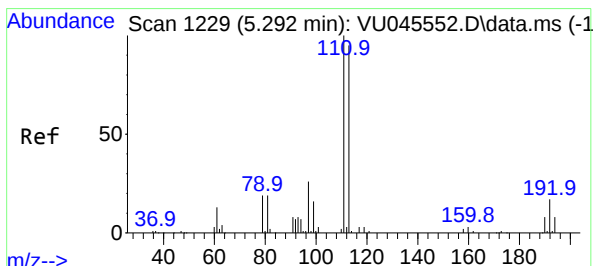
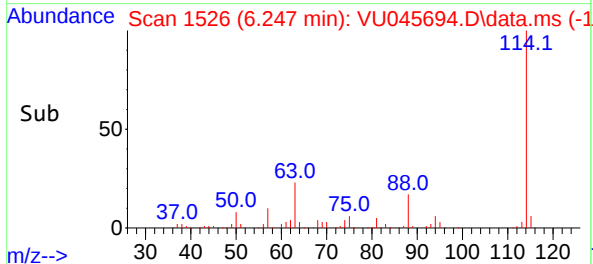
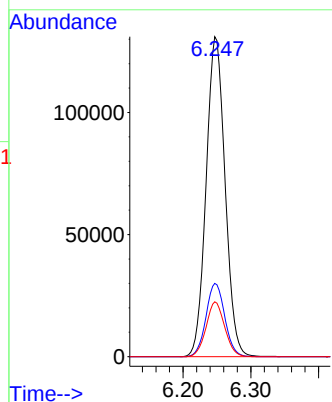
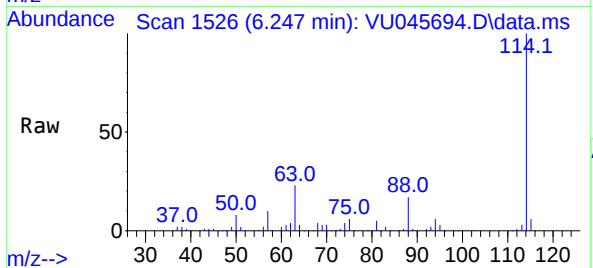




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.247 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

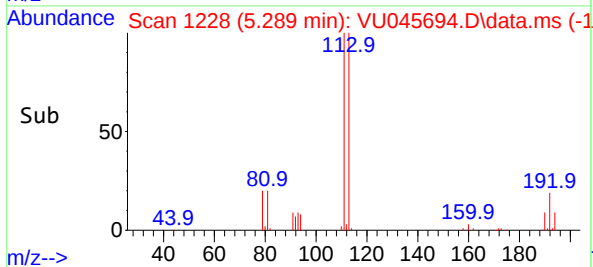
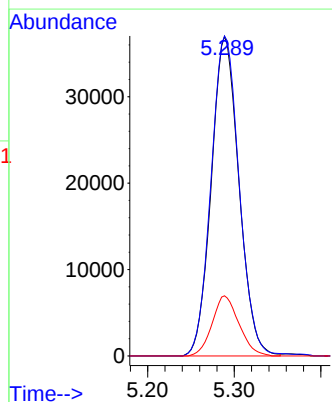
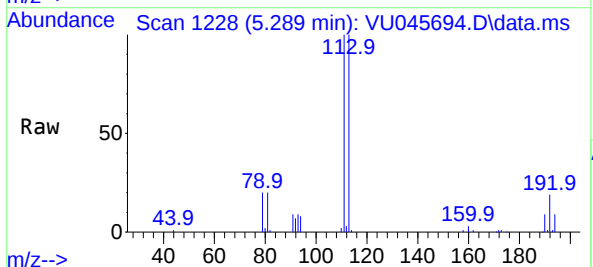
Instrument :
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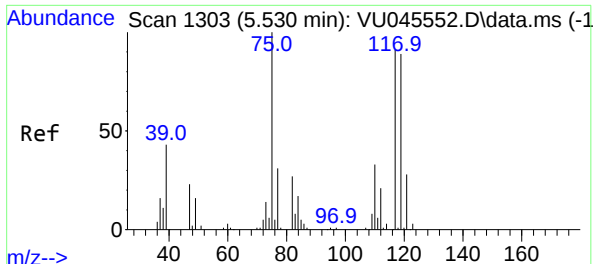
Tgt Ion:114 Resp: 254419
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.6
88 17.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.239 ug/l
RT: 5.289 min Scan# 1228
Delta R.T. -0.003 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion:113 Resp: 81940
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.161 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

Instrument :

MSVOA_U

ClientSampleId :

TP-4

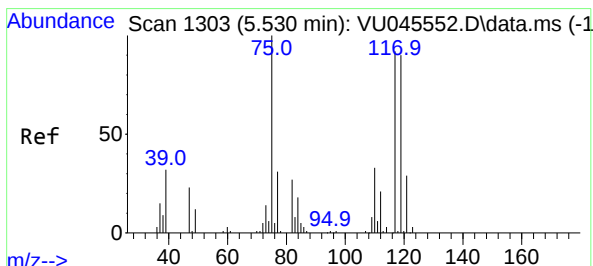
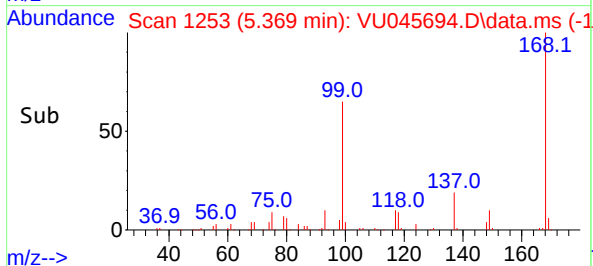
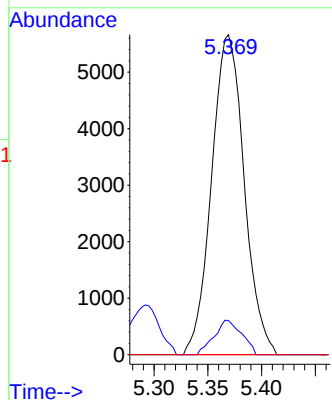
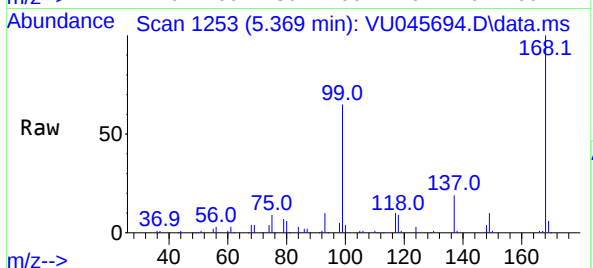
Tgt Ion: 75 Resp: 11950

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.706 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.164 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

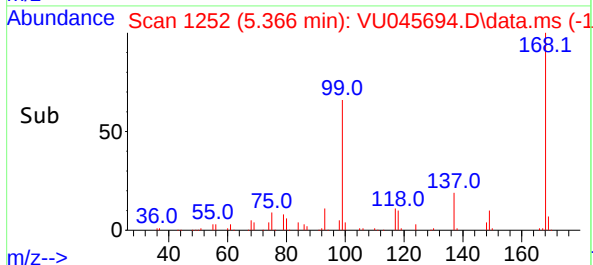
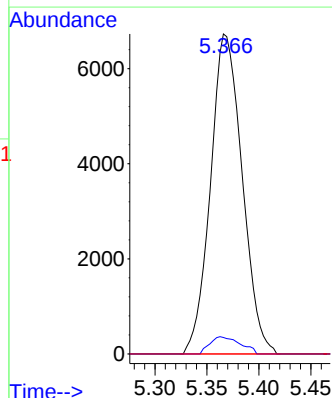
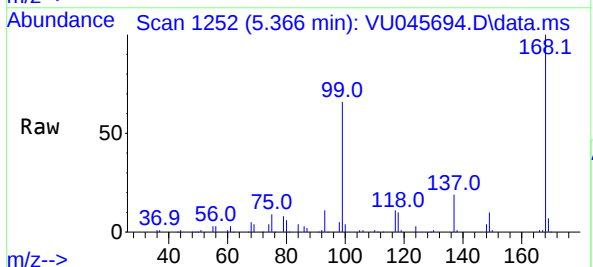
Tgt Ion: 117 Resp: 14272

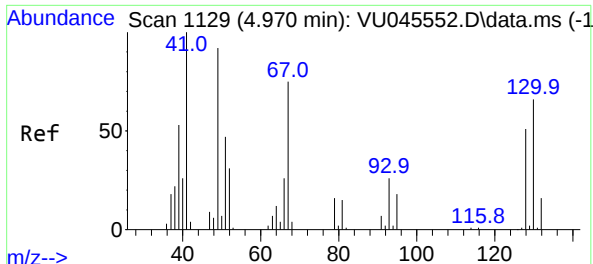
Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 0.359 ug/l

RT: 5.070 min Scan# 1129

Delta R.T. 0.100 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

Instrument :

MSVOA_U

ClientSampleId :

TP-4

Tgt Ion: 41 Resp: 541

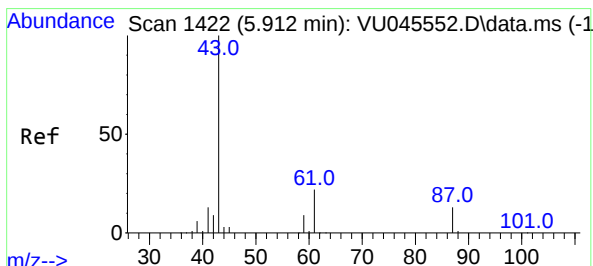
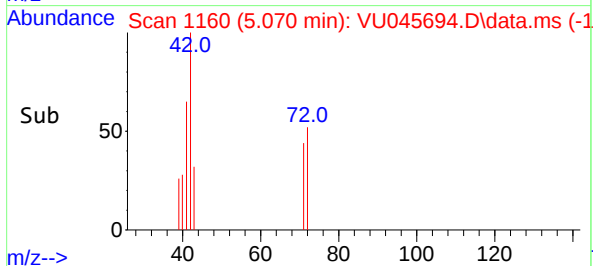
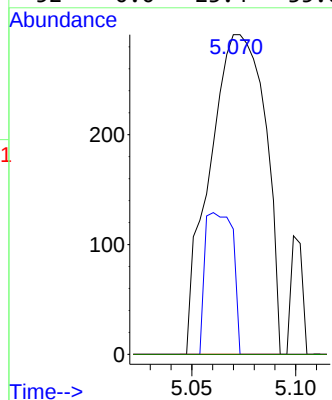
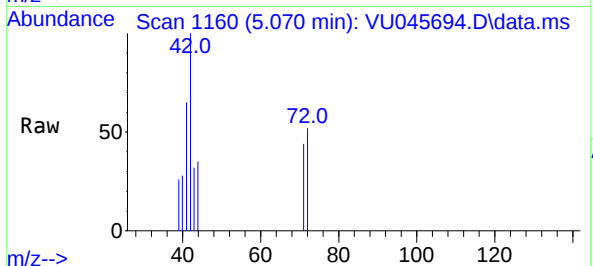
Ion Ratio Lower Upper

41 100

39 22.0 43.4 65.0#

67 0.0 61.0 91.4#

52 0.0 23.4 35.0#



#43

Isopropyl Acetate

Concen: 0.543 ug/l

RT: 5.977 min Scan# 1442

Delta R.T. 0.064 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

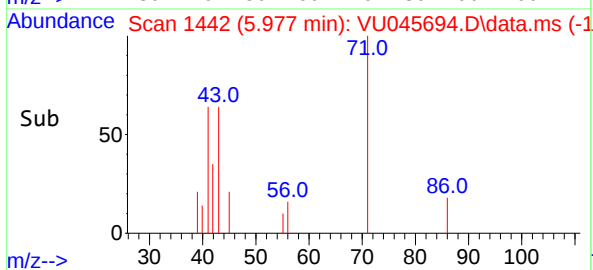
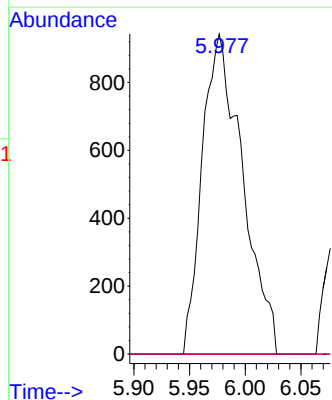
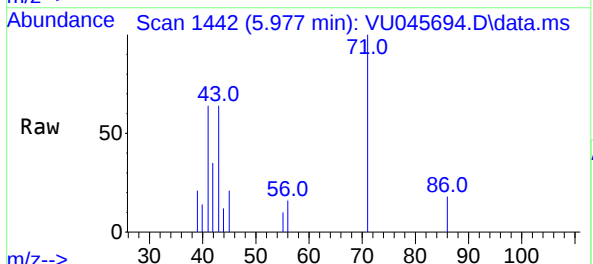
Tgt Ion: 43 Resp: 2368

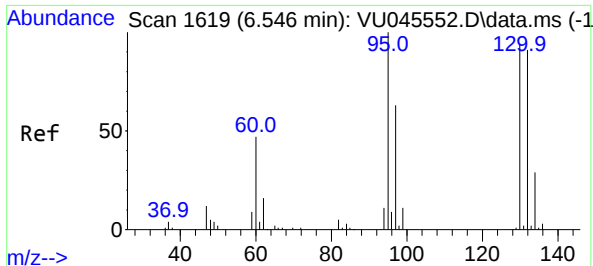
Ion Ratio Lower Upper

43 100

61 0.0 16.9 25.3#

87 0.0 11.0 16.4#

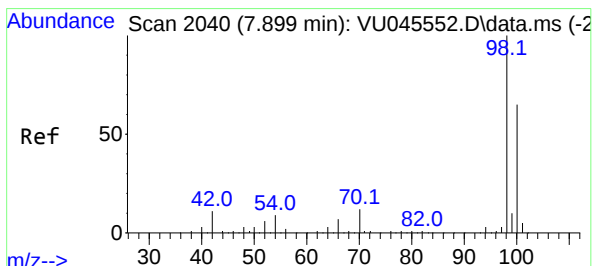
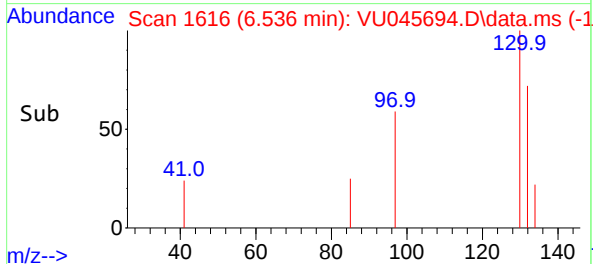
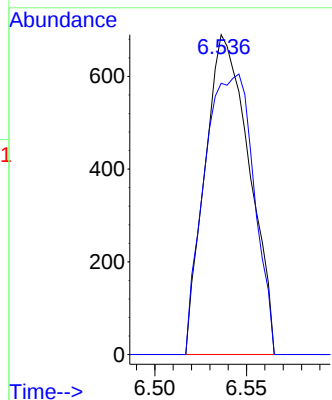
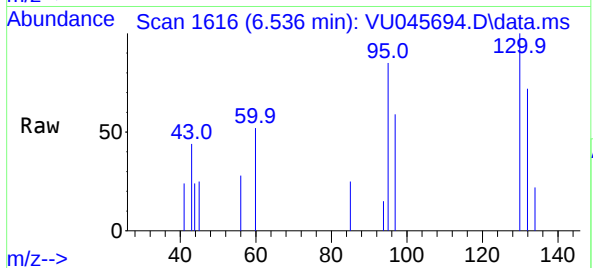




#44
Trichloroethene
Concen: 0.658 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.009 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

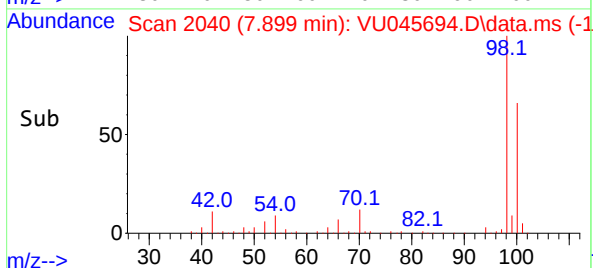
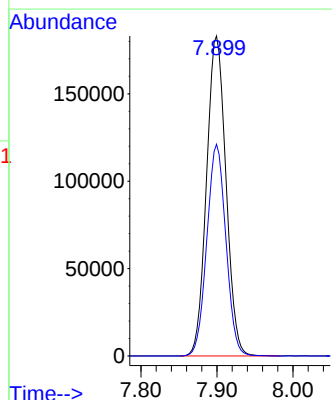
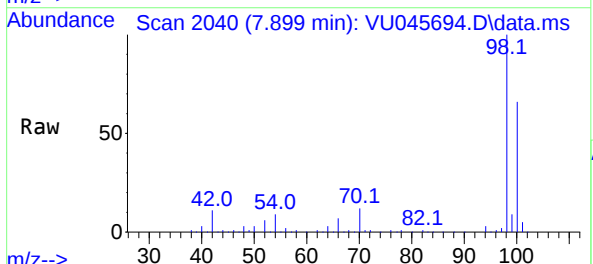
Instrument :
MSVOA_U
ClientSampleId :
TP-4

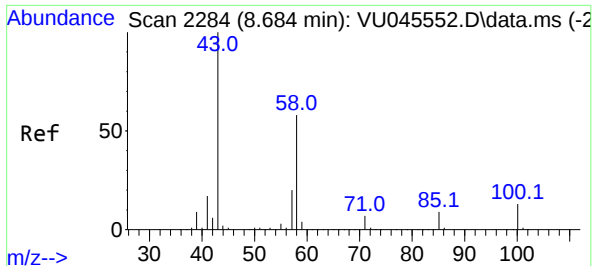
Tgt Ion:130 Resp: 1157
Ion Ratio Lower Upper
130 100
95 84.8 0.0 211.4



#50
Toluene-d8
Concen: 51.383 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Tgt Ion: 98 Resp: 324552
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7





#59

2-Hexanone

Concen: 7.890 ug/l

RT: 8.739 min Scan# 21

Delta R.T. 0.055 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

Instrument :

MSVOA_U

ClientSampleId :

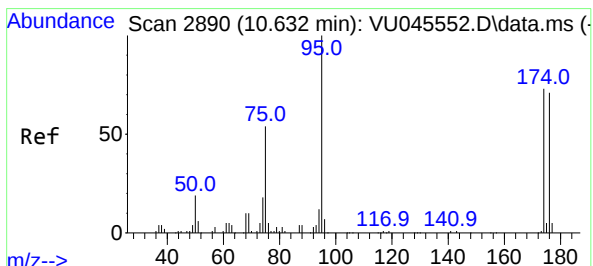
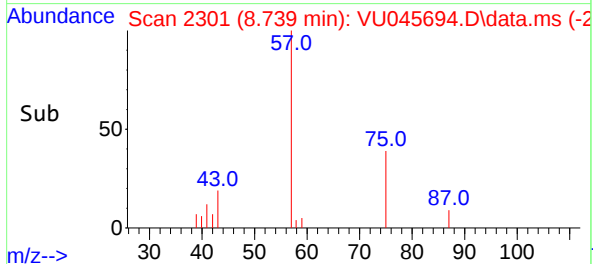
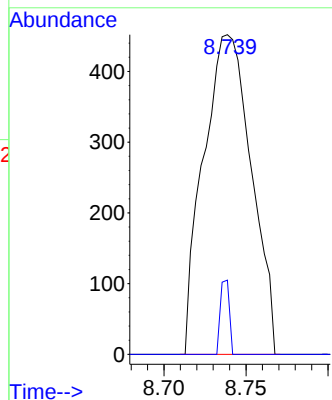
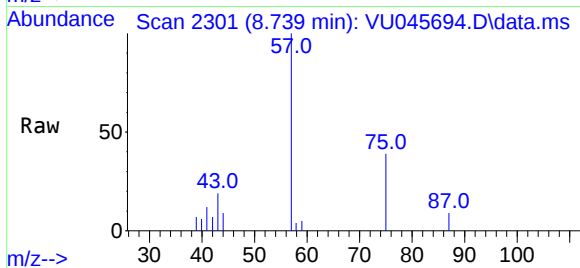
TP-4

Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

58 4.4 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 50.724 ug/l

RT: 10.639 min Scan# 2892

Delta R.T. 0.007 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

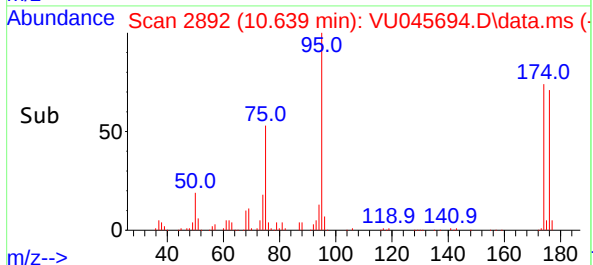
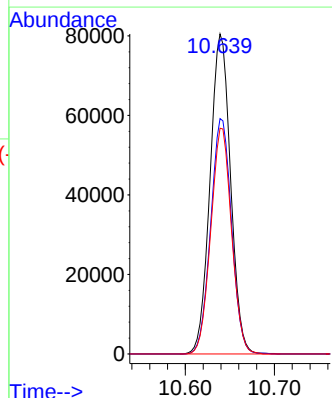
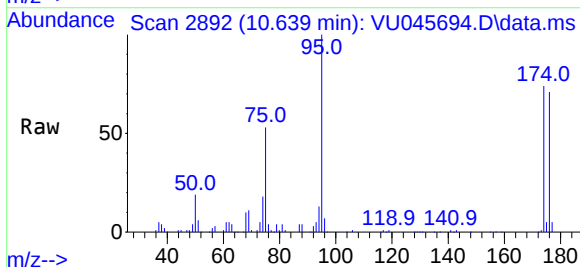
Tgt Ion: 95 Resp: 128474

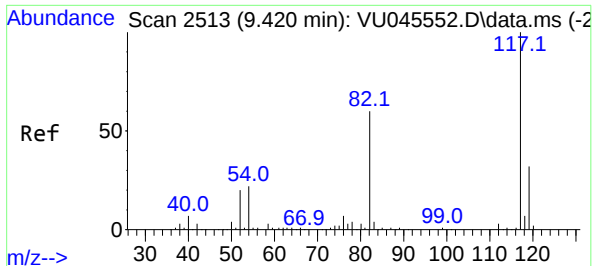
Ion Ratio Lower Upper

95 100

174 74.9 0.0 141.8

176 71.4 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.424 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

Instrument :

MSVOA_U

ClientSampleId :

TP-4

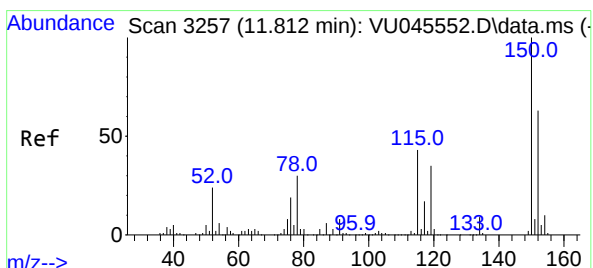
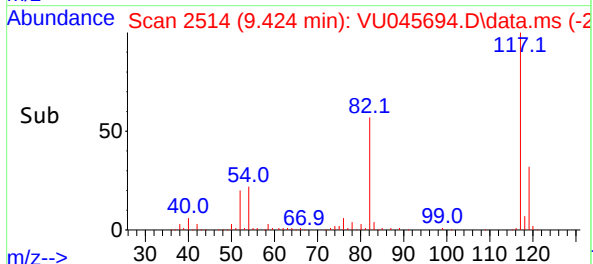
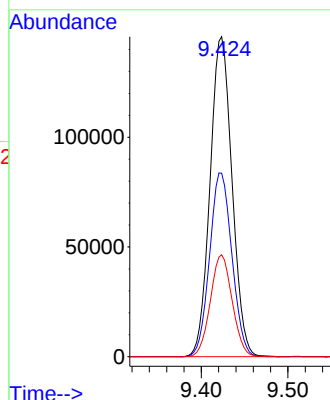
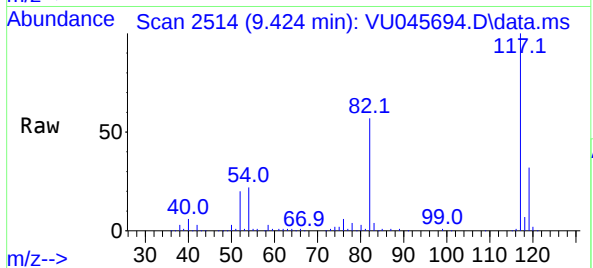
Tgt Ion:117 Resp: 257104

Ion Ratio Lower Upper

117 100

82 57.3 47.8 71.8

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. 0.003 min

Lab File: VU045694.D

Acq: 10 Nov 2021 17:40

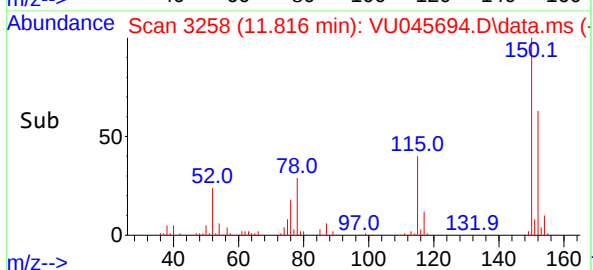
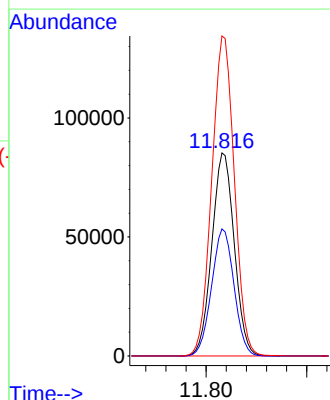
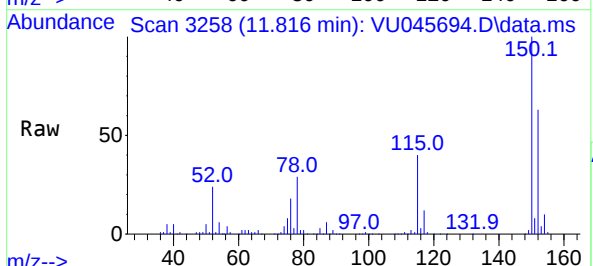
Tgt Ion:152 Resp: 131995

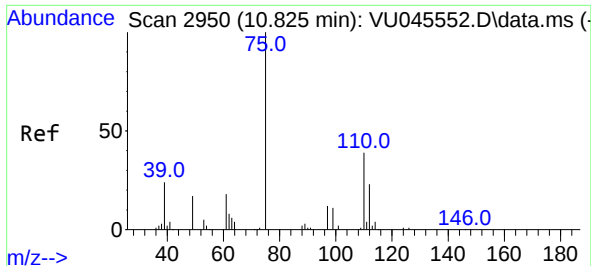
Ion Ratio Lower Upper

152 100

115 62.5 42.7 128.1

150 158.7 0.0 346.8

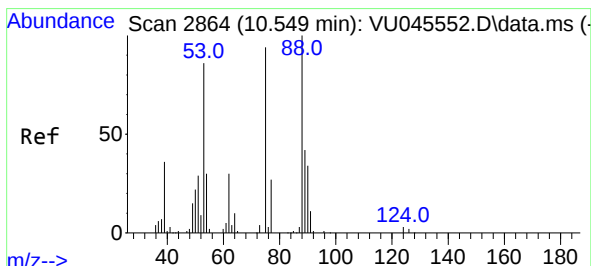
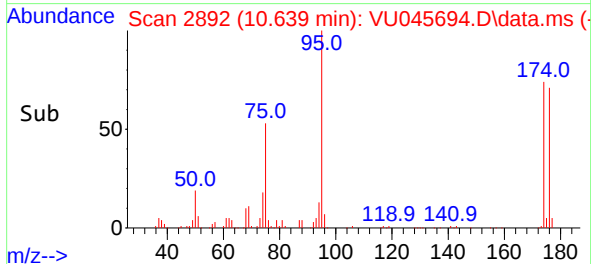
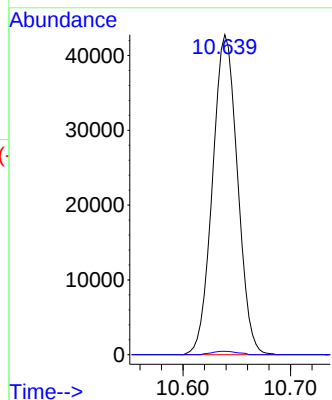
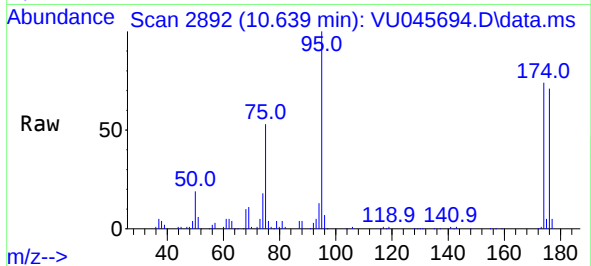




#76
1,2,3-Trichloropropane
Concen: 17.265 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.186 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

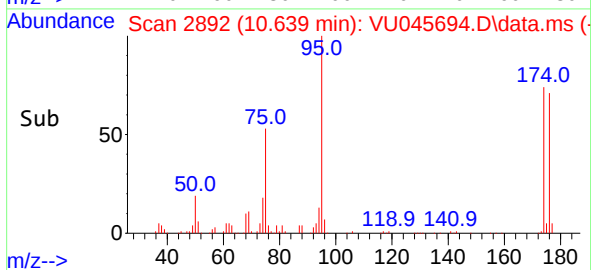
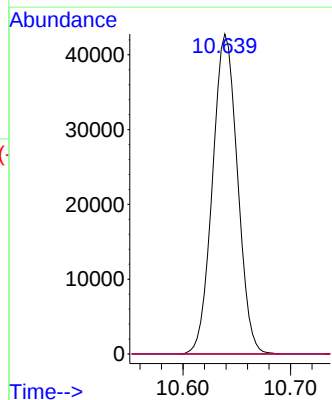
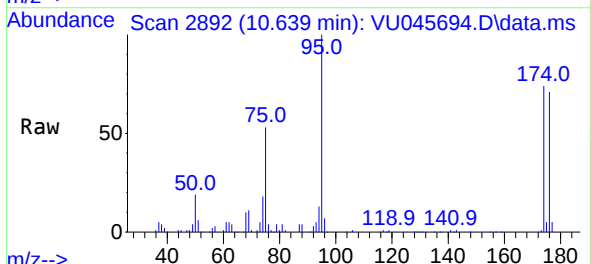
Instrument :
MSVOA_U
ClientSampleId :
TP-4

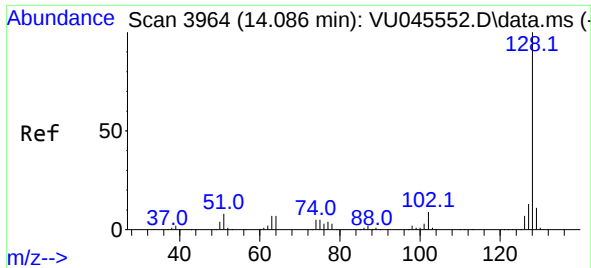
Tgt Ion: 75 Resp: 69108
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.165 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.090 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

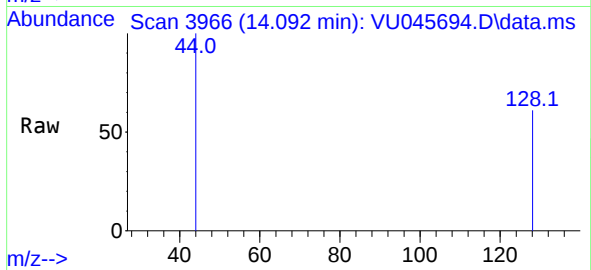
Tgt Ion: 75 Resp: 69108
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95
Naphthalene
Concen: 1.053 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045694.D
Acq: 10 Nov 2021 17:40

Instrument :
MSVOA_U
ClientSampleId :
TP-4



Tgt Ion:	128	Resp:	269
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

