

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048807.D
 Acq On : 02 Jun 2022 16:35
 Operator : SY/MD
 Sample : N3143-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220425-SPLP-AMENDED-COMP-E

Quant Time: Jun 03 01:16:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

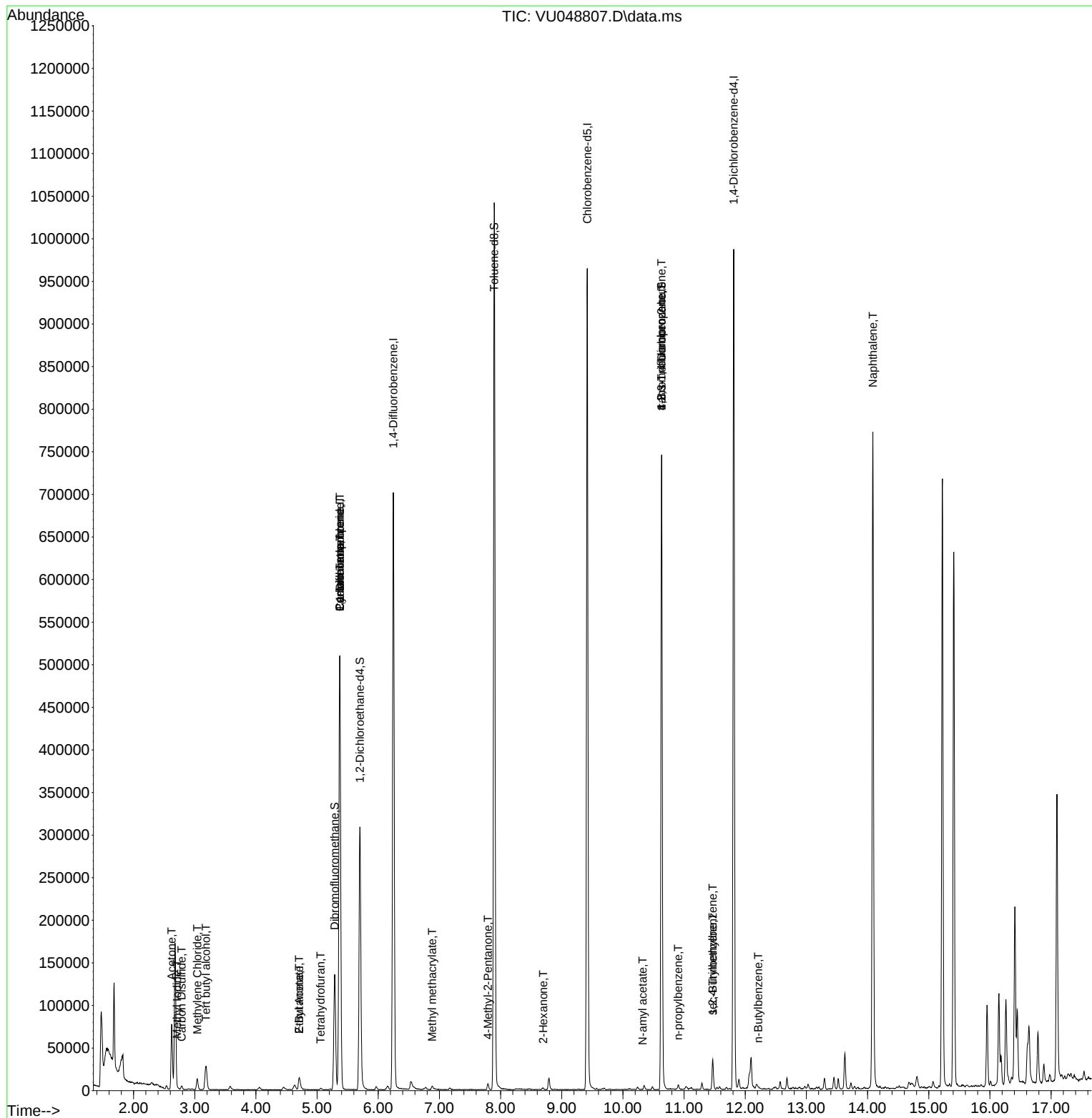
Internal Standards						
1) Pentafluorobenzene	5.372	168	348838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	569098	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	529282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	268840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	231274	44.146	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.300%		
35) Dibromofluoromethane	5.289	113	88803	21.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	43.740%#		
50) Toluene-d8	7.896	98	694987	47.753	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.500%		
62) 4-Bromofluorobenzene	10.632	95	253245	46.010	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.020%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.829	94	1040	Below Cal	#	55
6) Chloroethane	1.896	64	813	Below Cal	#	48
10) Methyl Iodide	2.710	142	106	3.023	ug/l #	37
11) Tert butyl alcohol	3.183	59	18102	13.629	ug/l #	29
13) Acrolein	2.488	56	654	Below Cal	#	70
16) Acetone	2.623	43	81351	30.470	ug/l	98
17) Carbon Disulfide	2.787	76	4598	0.444	ug/l	96
20) Methylene Chloride	3.041	84	5871	1.293	ug/l	97
25) 2-Butanone	4.707	43	21444	5.591	ug/l	92
29) Tetrahydrofuran	5.057	42	1248	0.517	ug/l #	75
31) Cyclohexane	5.372	56	7133	1.080	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28506	4.811	ug/l #	49
37) Ethyl Acetate	4.707	43	21444	2.863	ug/l #	68
38) Carbon Tetrachloride	5.372	117	35013	5.150	ug/l #	16
48) Methyl methacrylate	6.883	41	1376	0.282	ug/l #	31
51) 4-Methyl-2-Pentanone	7.793	43	4839	0.685	ug/l	98
59) 2-Hexanone	8.697	43	1697	0.293	ug/l	93
74) N-amyl acetate	10.320	43	196	2.488	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	127511	14.710	ug/l #	47
78) n-propylbenzene	10.906	91	4526	0.219	ug/l	85
81) trans-1,4-Dichloro-2-b...	10.632	75	127511	53.412	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	19071	2.332	ug/l	98
85) sec-Butylbenzene	11.468	105	19071	1.052	ug/l #	58
89) n-Butylbenzene	12.214	91	1117	2.254	ug/l #	71
95) Naphthalene	14.086	128	618914	30.299	ug/l	100

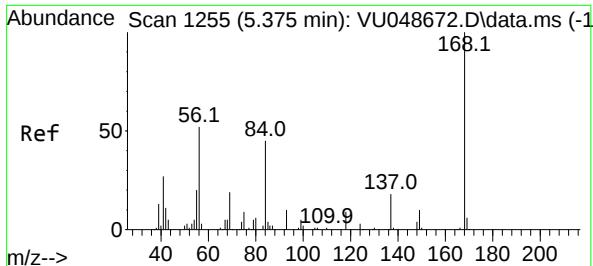
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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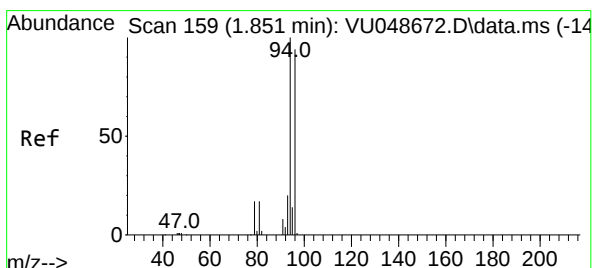
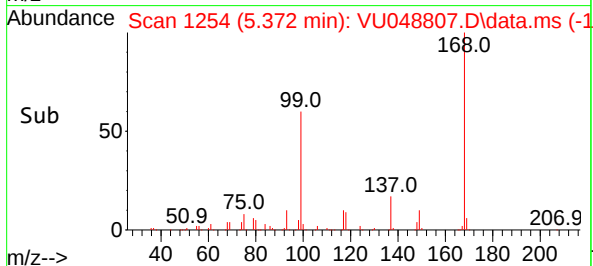
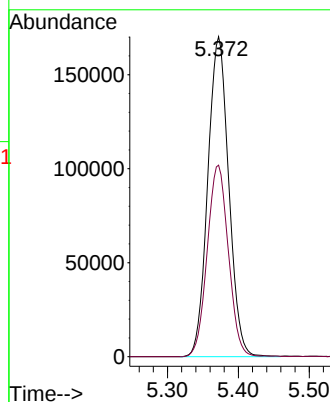
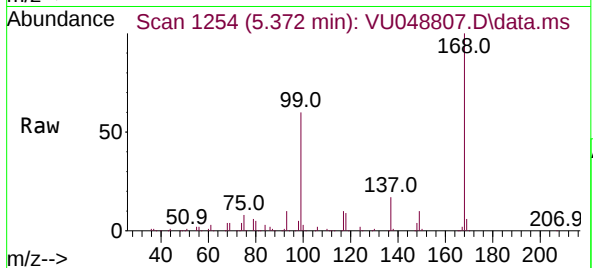




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

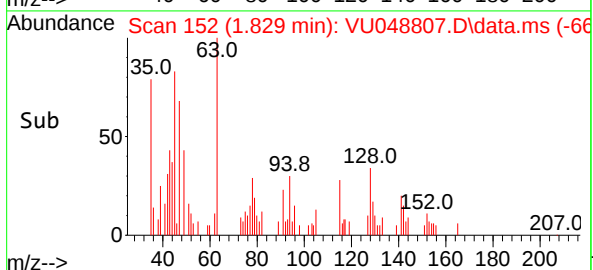
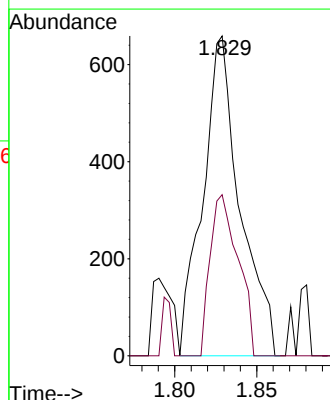
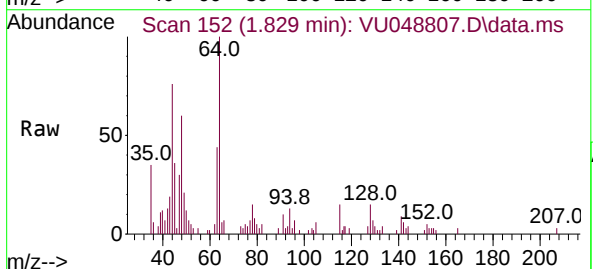
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MSVOA_U
ClientSampleId :
20220425-SPLP-AMENDED-COMP-E

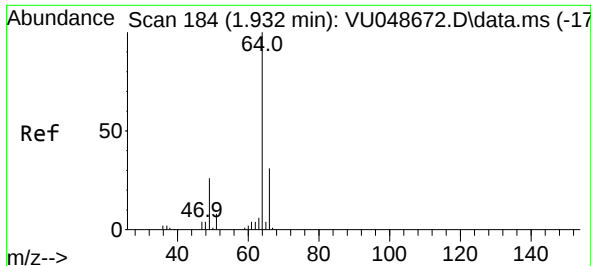
Tgt Ion:168 Resp: 348838
Ion Ratio Lower Upper
168 100
99 59.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.829 min Scan# 152
Delta R.T. -0.022 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 94 Resp: 1040
Ion Ratio Lower Upper
94 100
96 50.4 75.1 112.7#

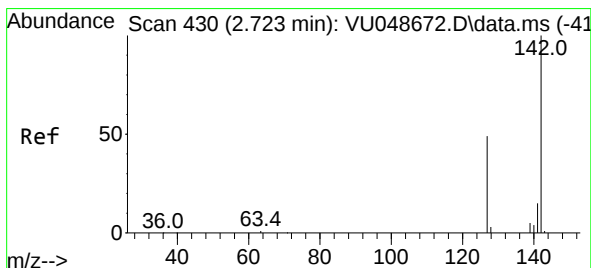
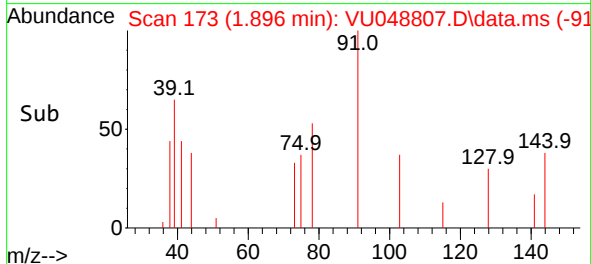
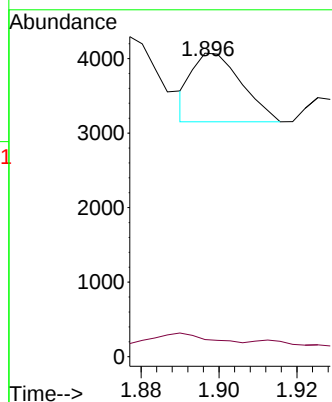
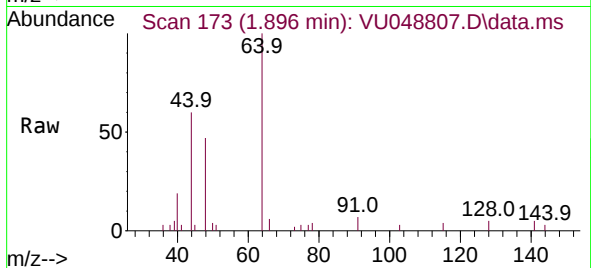




#6
Chloroethane
Concen: Below Cal
RT: 1.896 min Scan# 11
Delta R.T. -0.036 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

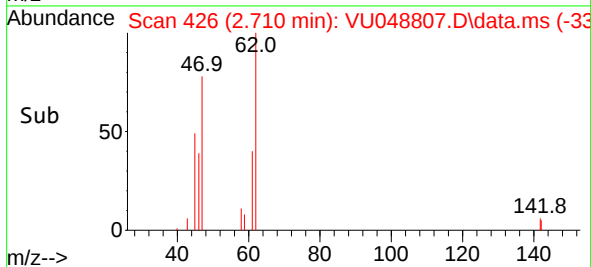
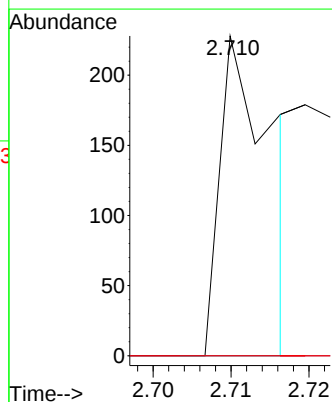
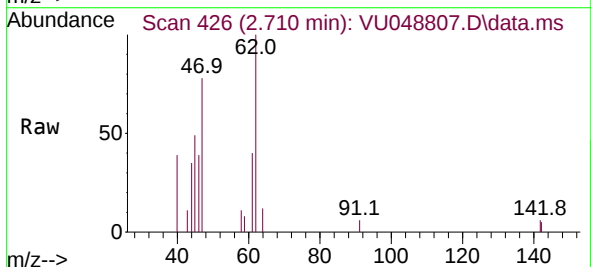
Instrument :
MSVOA_U
ClientSampleId :
20220425-SPLP-AMENDED-COMP-E

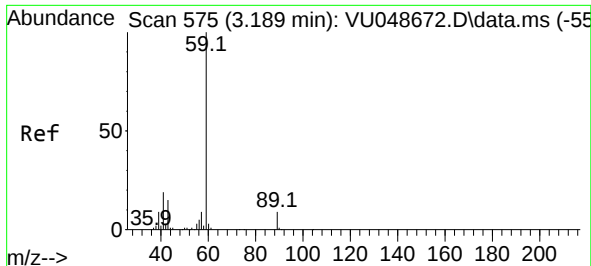
Tgt Ion: 64 Resp: 813
Ion Ratio Lower Upper
64 100
66 2.6 25.2 37.8#



#10
Methyl Iodide
Concen: 3.023 ug/l
RT: 2.710 min Scan# 426
Delta R.T. -0.013 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 142 Resp: 106
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

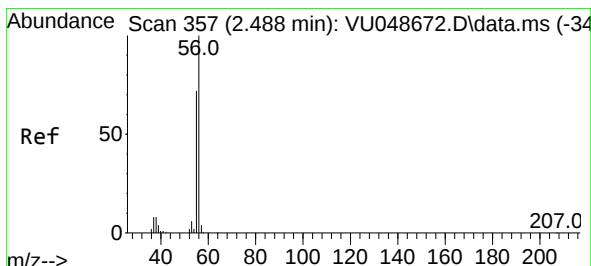
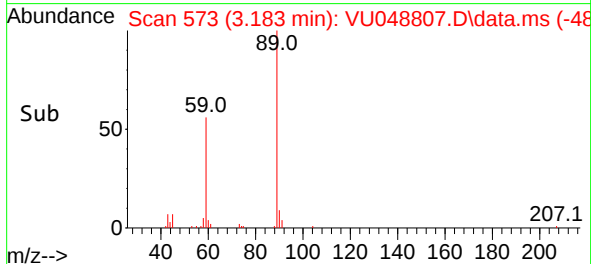
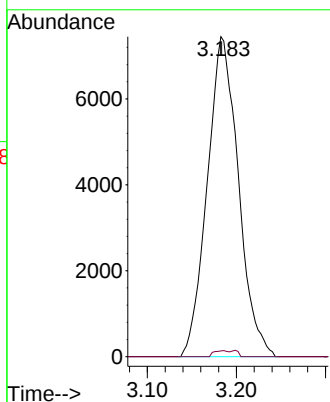
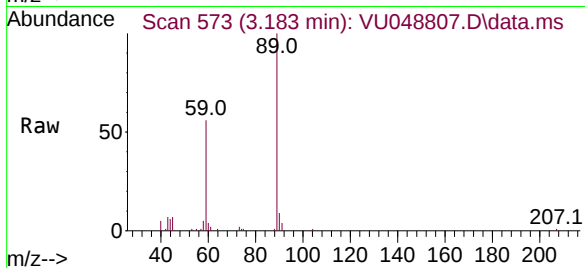




#11
Tert butyl alcohol
Concen: 13.629 ug/l
RT: 3.183 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

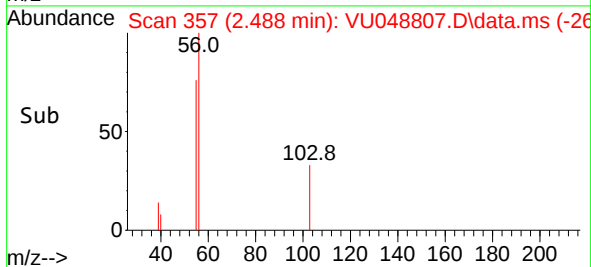
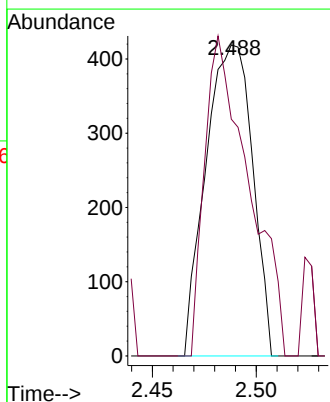
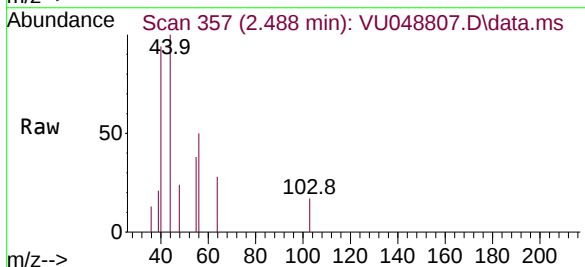
Instrument :
MSVOA_U
ClientSampleId :
20220425-SPLP-AMENDED-COMP-E

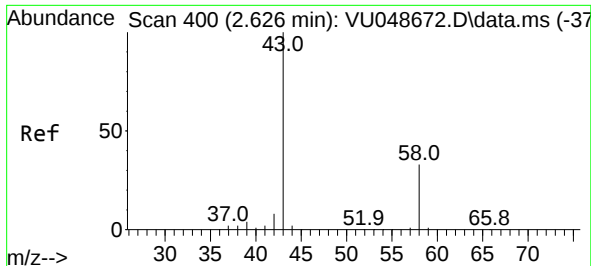
Tgt Ion: 59 Resp: 18102
Ion Ratio Lower Upper
59 100
57 0.9 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
55 96.9 57.7 86.5#

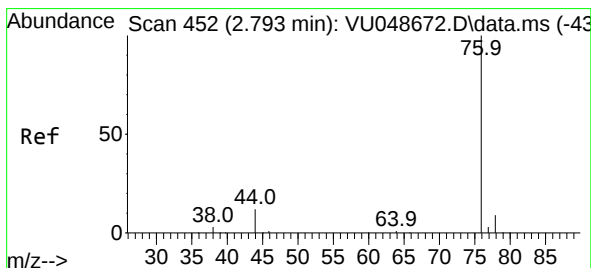
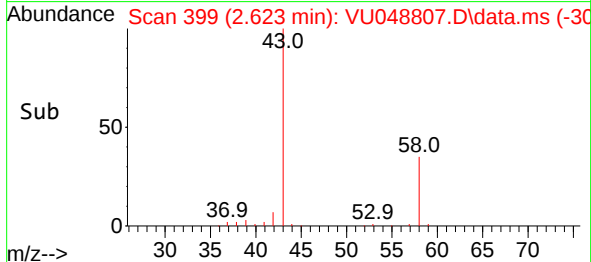
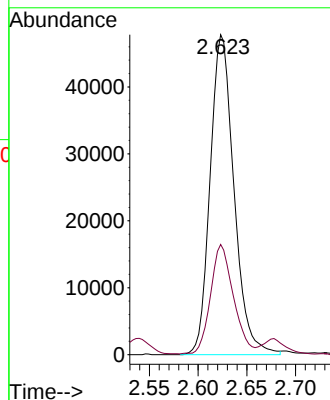
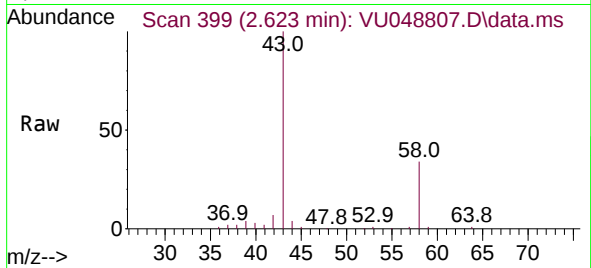




#16
Acetone
Concen: 30.470 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

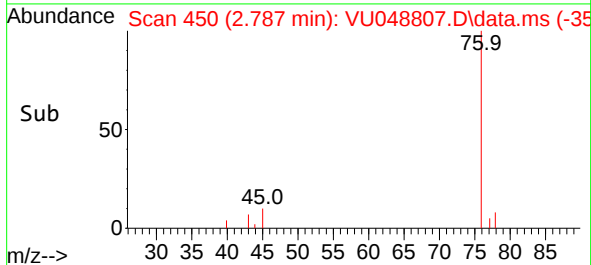
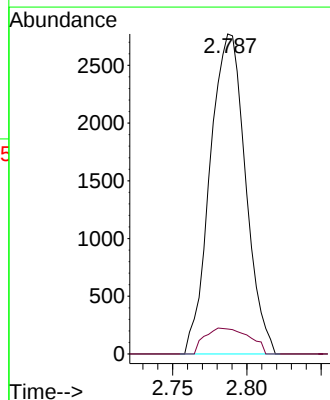
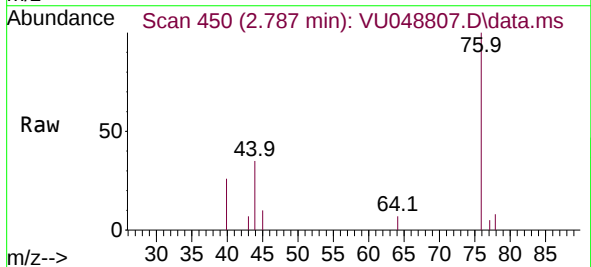
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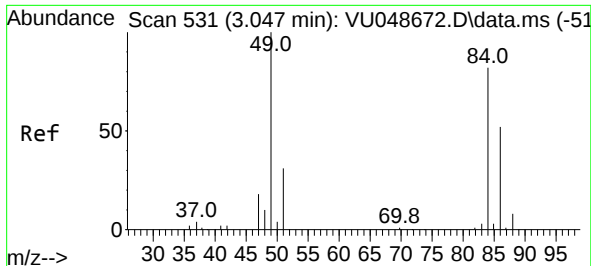
Tgt Ion: 43 Resp: 81351
Ion Ratio Lower Upper
43 100
58 34.2 26.3 39.5



#17
Carbon Disulfide
Concen: 0.444 ug/l
RT: 2.787 min Scan# 450
Delta R.T. -0.006 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 76 Resp: 4598
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9

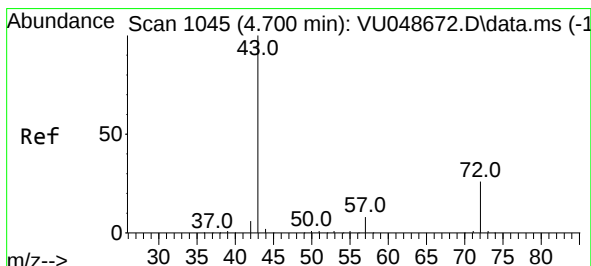
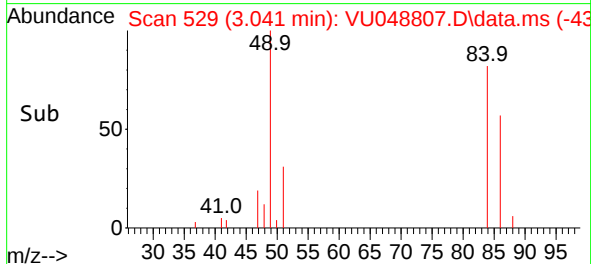
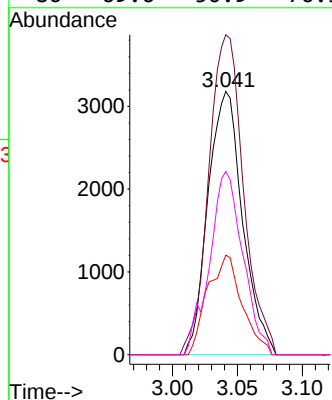
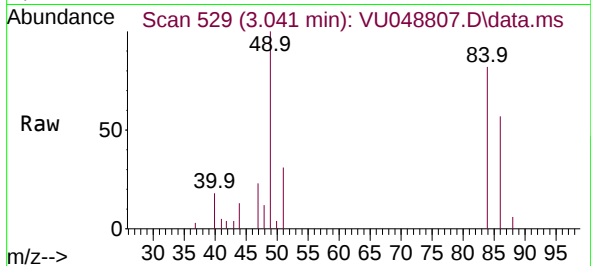




#20
Methylene Chloride
Concen: 1.293 ug/l
RT: 3.041 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

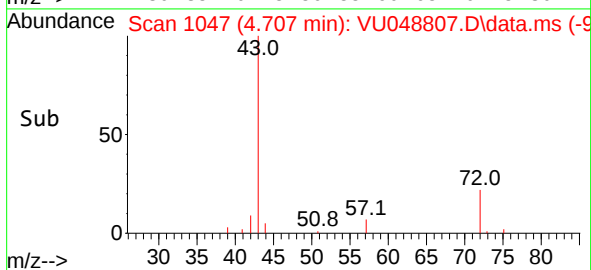
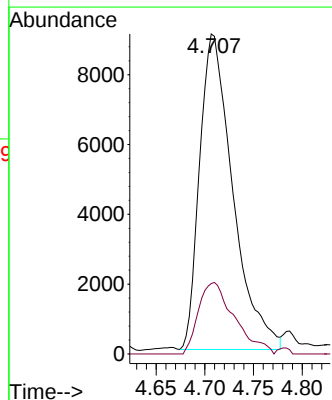
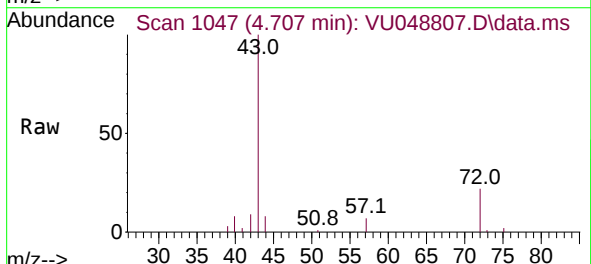
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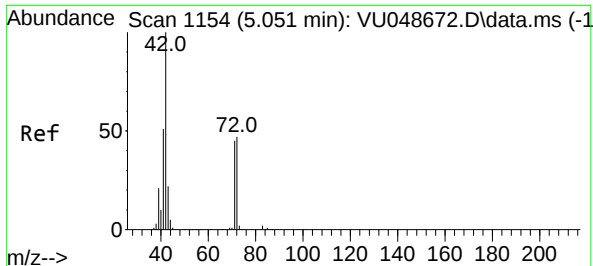
Tgt Ion: 84	Resp: 5871
Ion Ratio	Lower Upper
84 100	
49 121.6	97.0 145.4
51 37.8	29.8 44.8
86 69.6	50.9 76.3



#25
2-Butanone
Concen: 5.591 ug/l
RT: 4.707 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 43	Resp: 21444		
Ion Ratio	Lower	Upper	
43 100			
72 22.3	21.1	31.7	

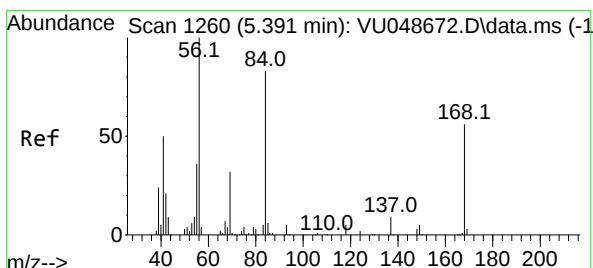
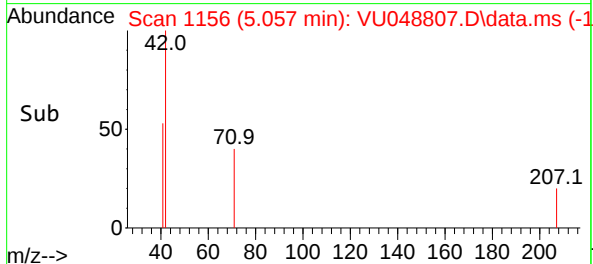
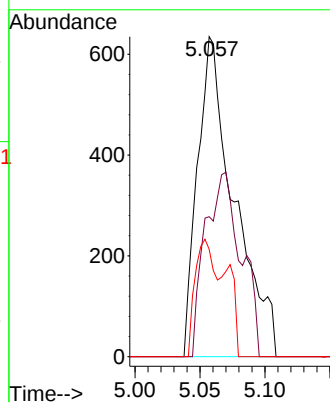
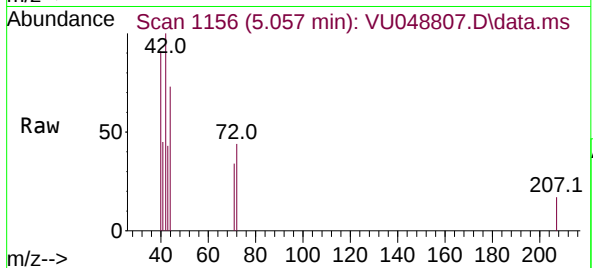




#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 5.057 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

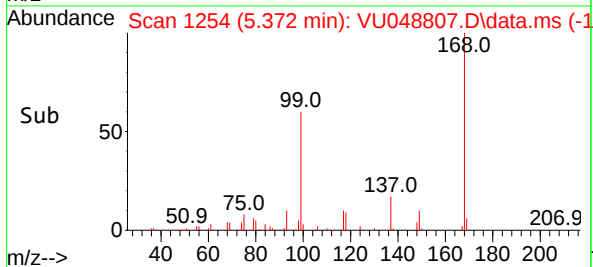
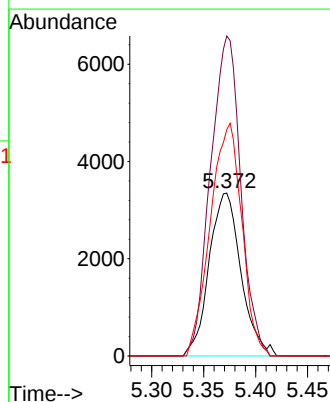
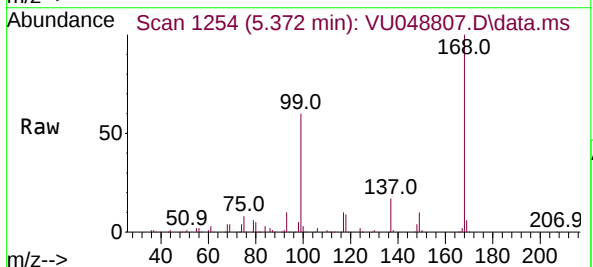
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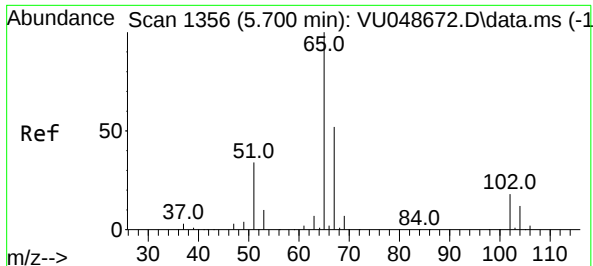
Tgt Ion:	42	Resp:	1248
Ion	Ratio	Lower	Upper
42	100		
72	56.1	37.6	56.4
71	20.0	35.0	52.4



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion:	56	Resp:	7133
Ion	Ratio	Lower	Upper
56	100		
69	196.5	25.6	38.4
84	139.0	66.2	99.4





#33

1,2-Dichloroethane-d4

Concen: 44.146 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

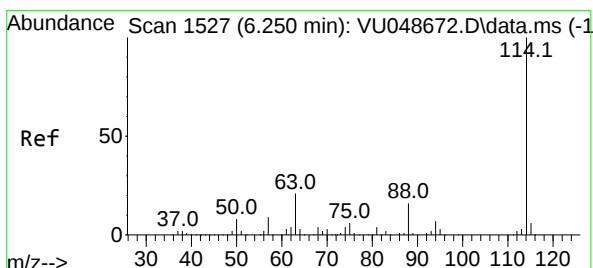
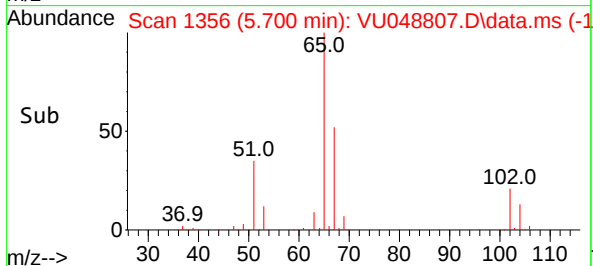
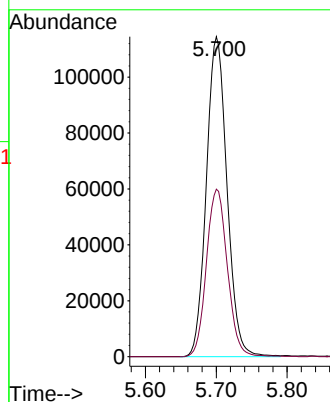
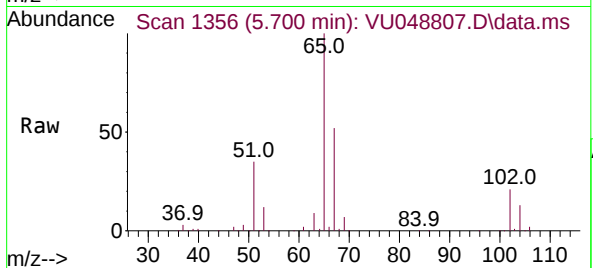
20220425-SPLP-AMENDED-COMP-E

Tgt Ion: 65 Resp: 231274

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

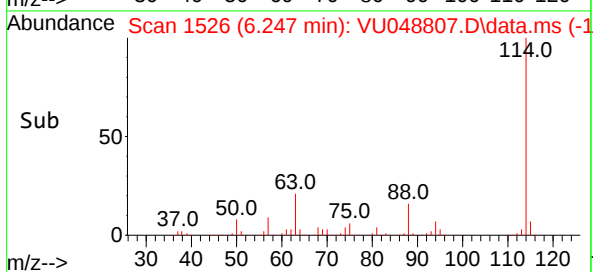
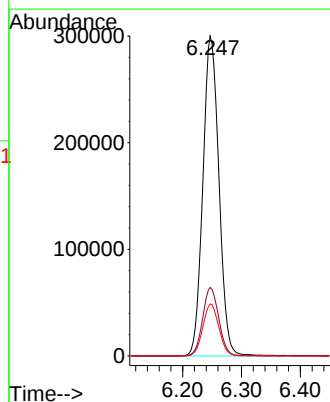
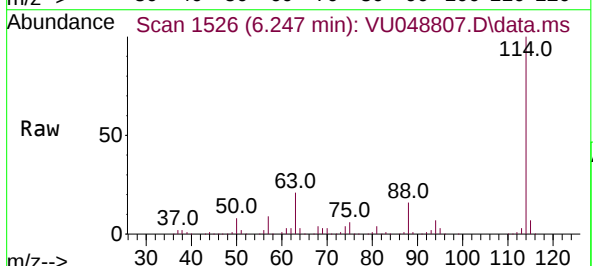
Tgt Ion: 114 Resp: 569098

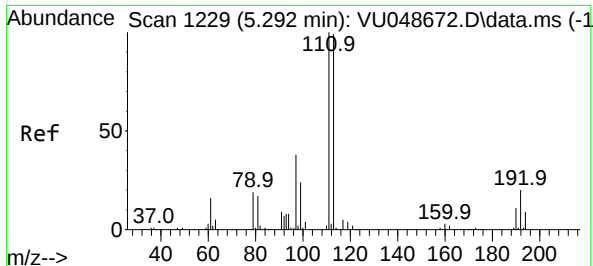
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.3 0.0 32.2

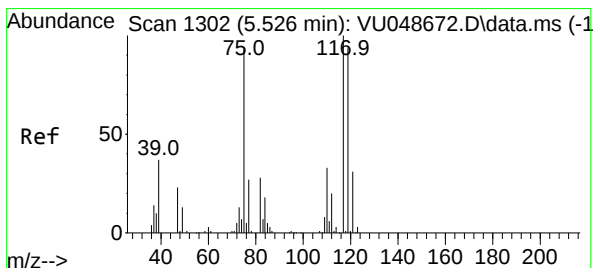
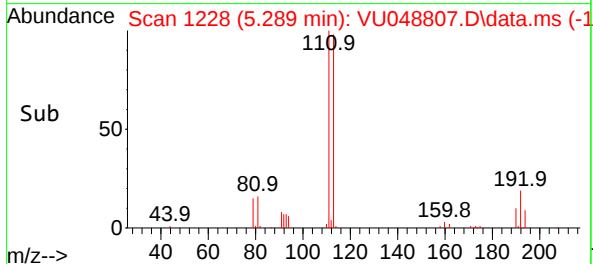
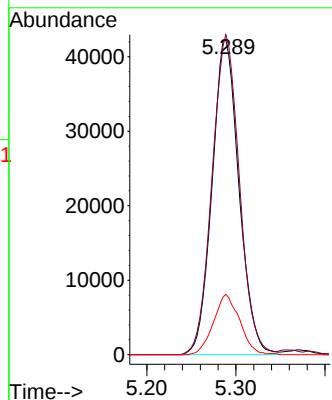
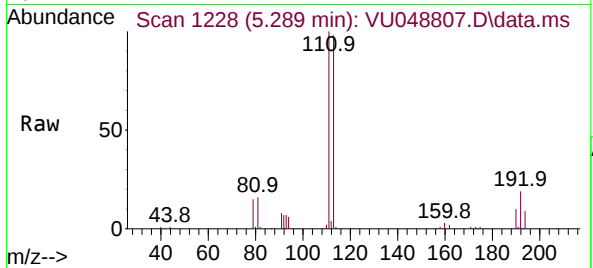




#35
Dibromofluoromethane
Concen: 21.872 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

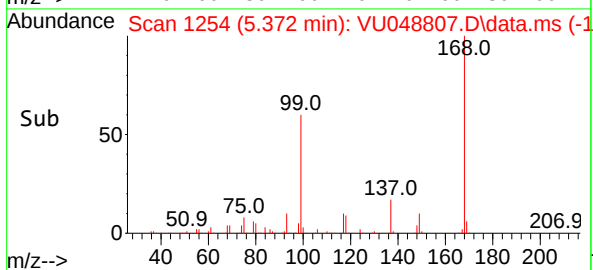
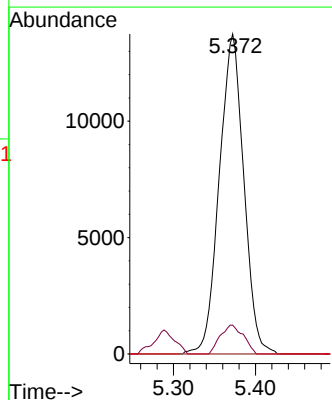
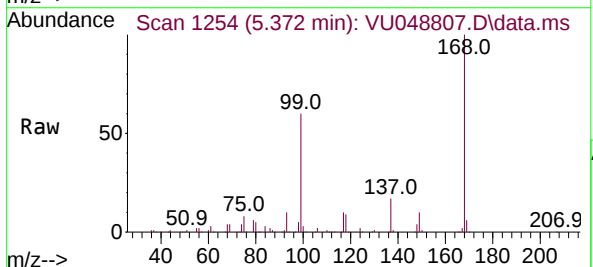
Instrument : MSVOA_U
ClientSampleId : 20220425-SPLP-AMENDED-COMP-E

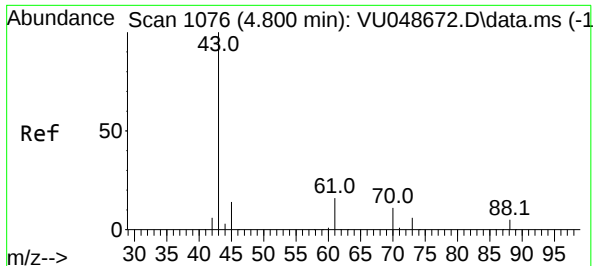
Tgt Ion:113 Resp: 88803
Ion Ratio Lower Upper
113 100
111 103.0 80.7 121.1
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 75 Resp: 28506
Ion Ratio Lower Upper
75 100
110 8.5 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.863 ug/l

RT: 4.707 min Scan# 1

Delta R.T. -0.093 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

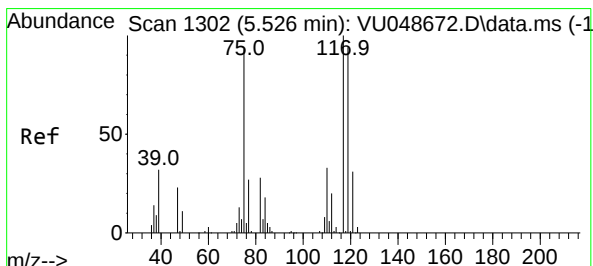
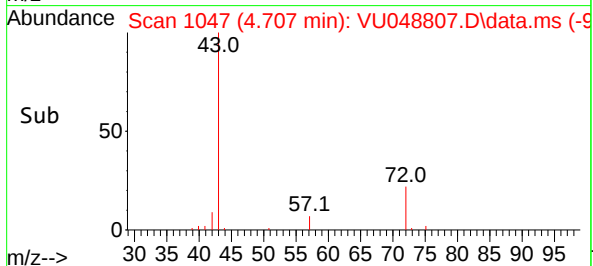
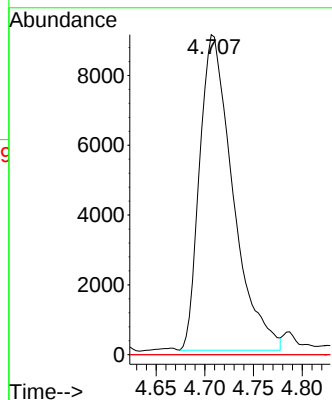
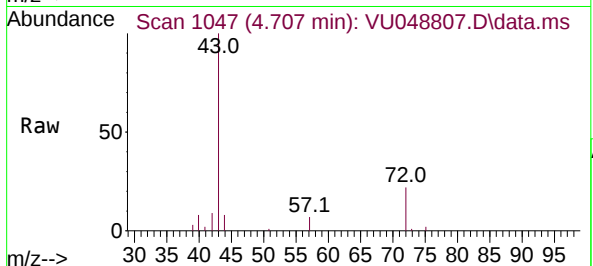
Instrument :

MSVOA_U

ClientSampleId :

20220425-SPLP-AMENDED-COMP-E

Tgt Ion: 43	Resp: 21444
Ion Ratio	Lower Upper
43 100	
61 0.0	11.7 17.5#
70 0.0	8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.150 ug/l

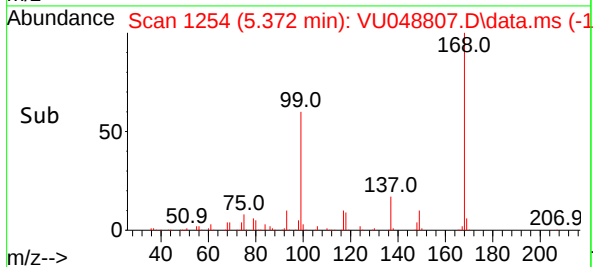
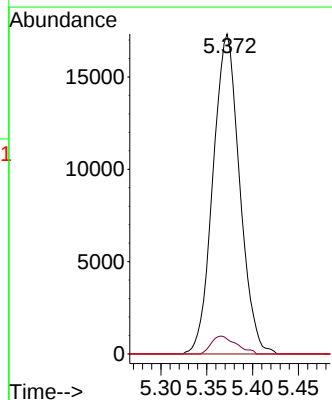
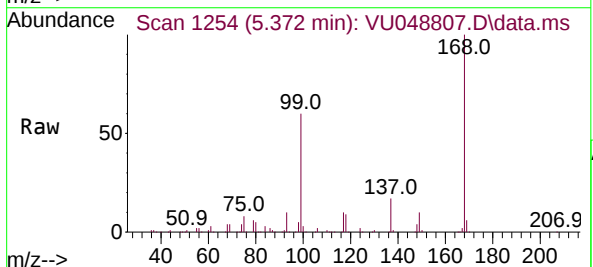
RT: 5.372 min Scan# 1254

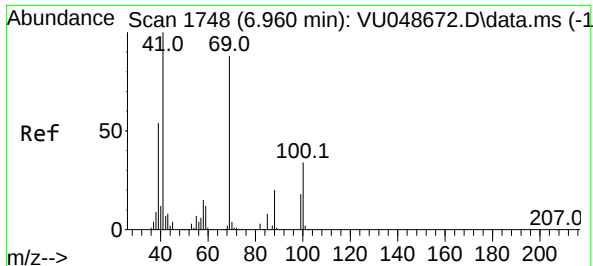
Delta R.T. -0.154 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

Tgt Ion: 117	Resp: 35013
Ion Ratio	Lower Upper
117 100	
119 4.7	75.4 113.2#
121 0.0	24.6 36.8#





#48

Methyl methacrylate

Concen: 0.282 ug/l

RT: 6.883 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU048807.D

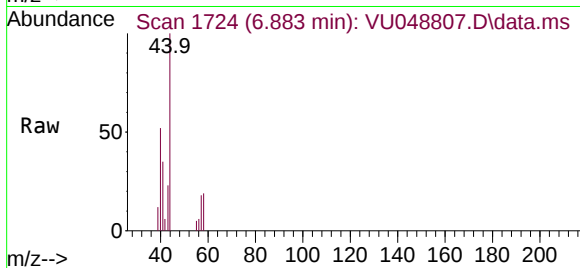
Acq: 02 Jun 2022 16:35

Instrument :

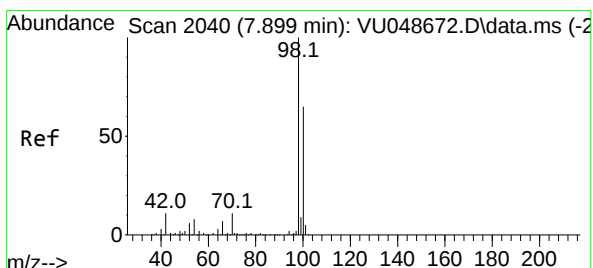
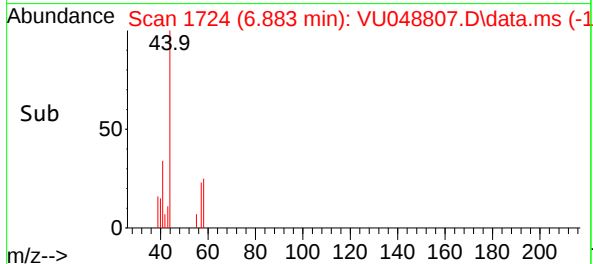
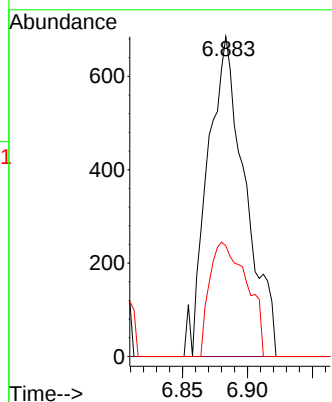
MSVOA_U

ClientSampleId :

20220425-SPLP-AMENDED-COMP-E



Tgt Ion:	41	Resp:	1376
Ion Ratio	Lower	Upper	
41	100		
69	0.0	70.7	106.1#
39	35.5	43.4	65.2#



#50

Toluene-d8

Concen: 47.753 ug/l

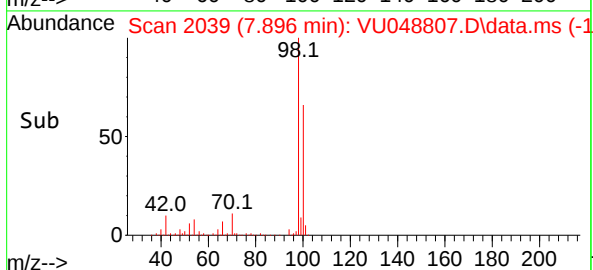
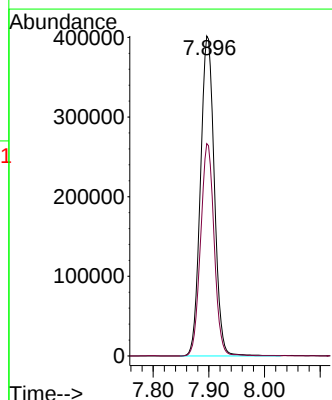
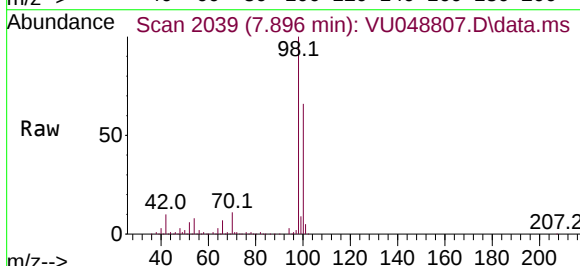
RT: 7.896 min Scan# 2039

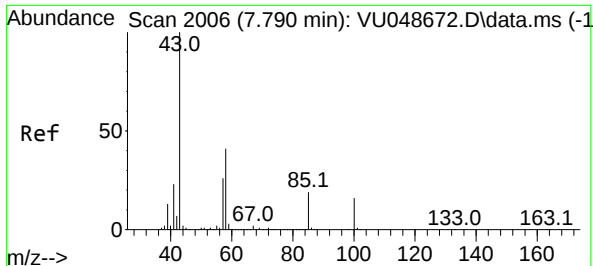
Delta R.T. -0.003 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

Tgt Ion:	98	Resp:	694987
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 0.685 ug/l

RT: 7.793 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU048807.D

Acq: 02 Jun 2022 16:35

Instrument :

MSVOA_U

ClientSampleId :

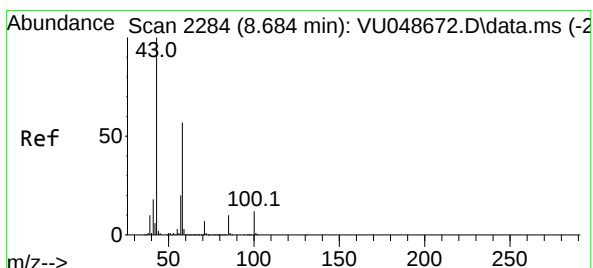
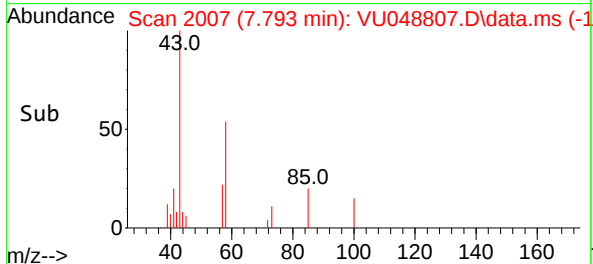
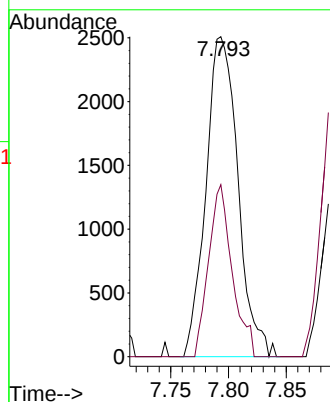
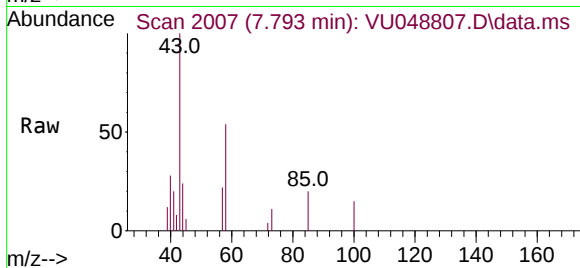
20220425-SPLP-AMENDED-COMP-E

Tgt Ion: 43 Resp: 4839

Ion Ratio Lower Upper

43 100

58 39.5 32.7 49.1



#59

2-Hexanone

Concen: 0.293 ug/l

RT: 8.697 min Scan# 2288

Delta R.T. 0.013 min

Lab File: VU048807.D

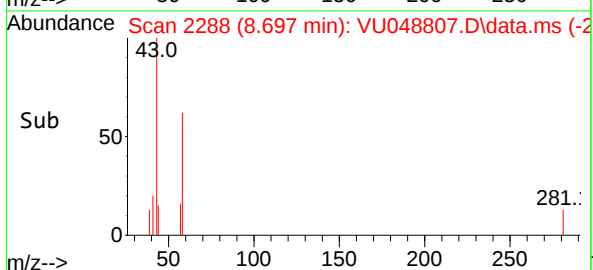
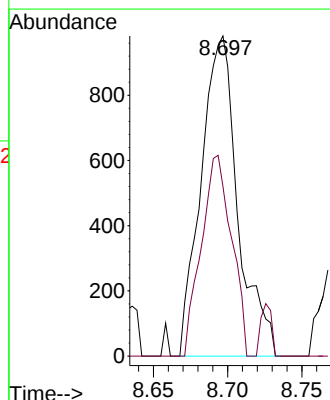
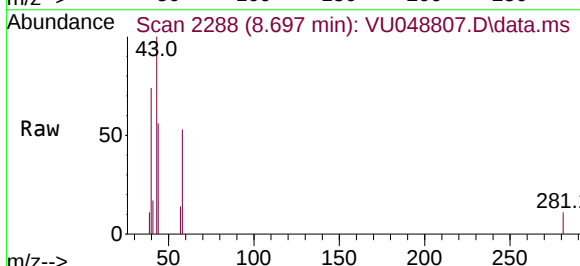
Acq: 02 Jun 2022 16:35

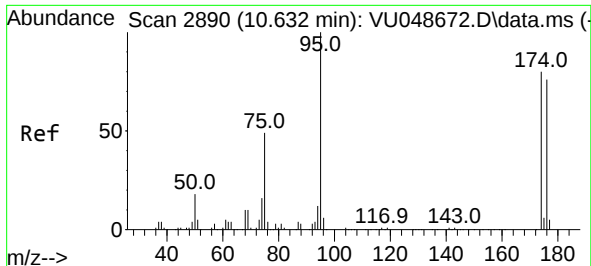
Tgt Ion: 43 Resp: 1697

Ion Ratio Lower Upper

43 100

58 51.4 28.2 84.6

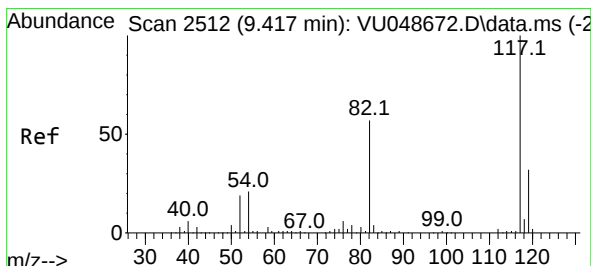
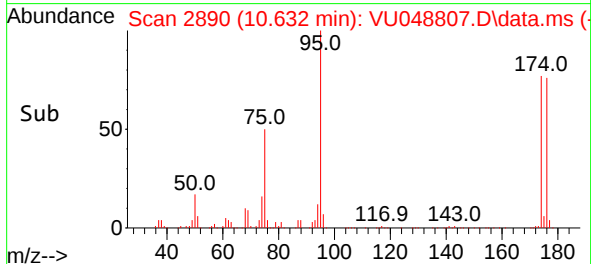
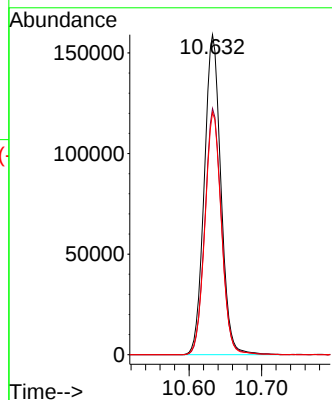
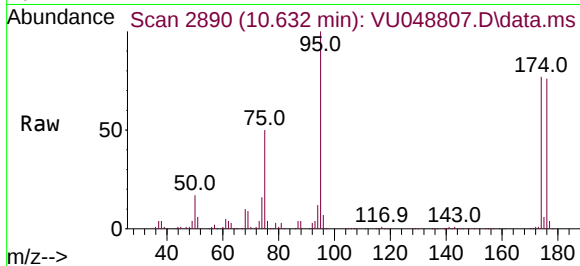




#62
4-Bromofluorobenzene
Concen: 46.010 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

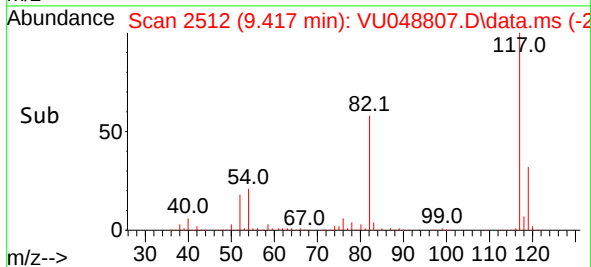
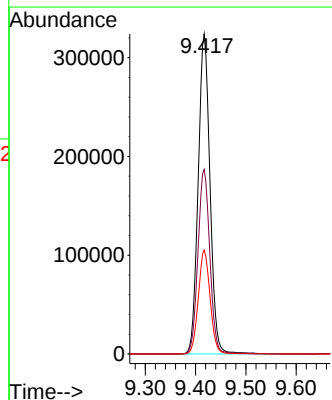
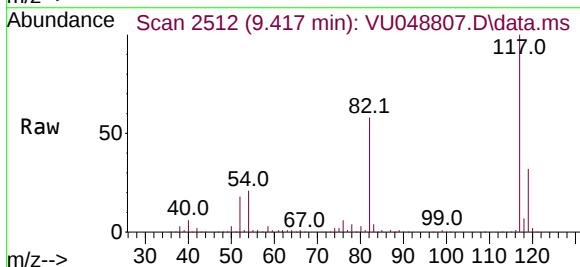
Instrument : MSVOA_U
ClientSampleId : 20220425-SPLP-AMENDED-COMP-E

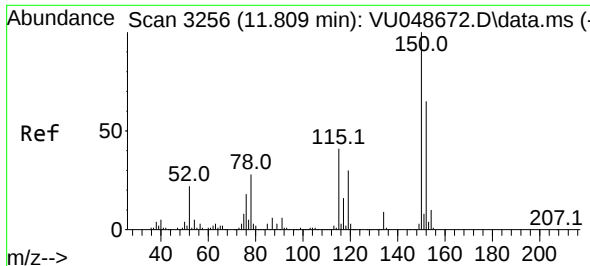
Tgt Ion: 95 Resp: 253245
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 75.2 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 117 Resp: 529282
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.5 25.4 38.2

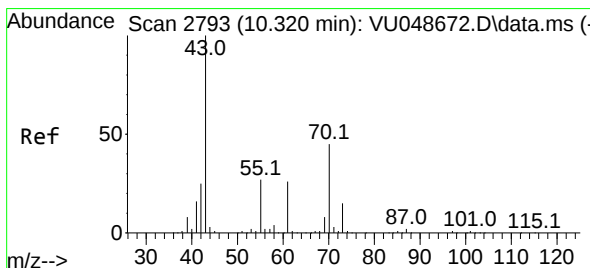
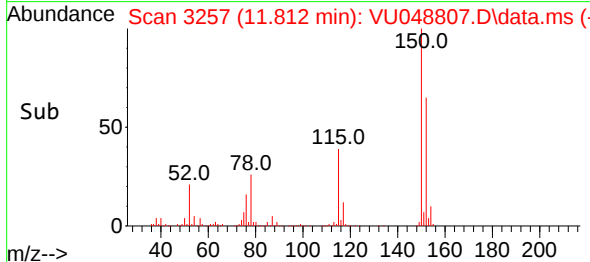
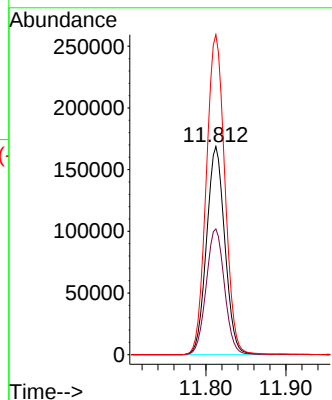
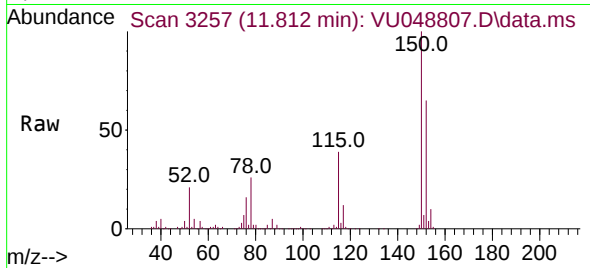




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

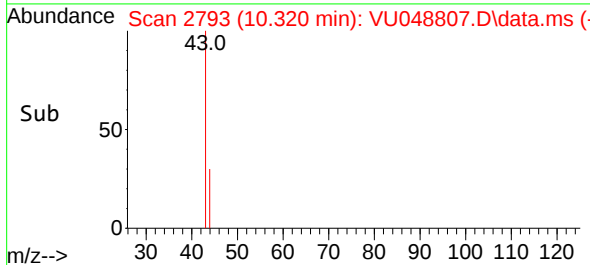
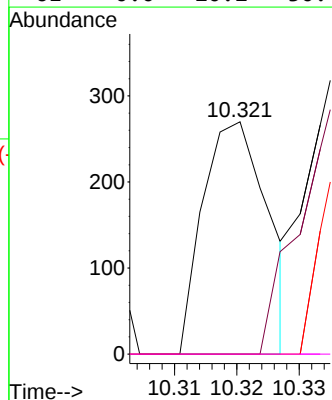
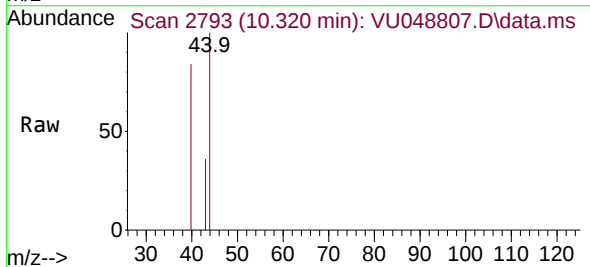
Instrument :
MSVOA_U
ClientSampleId :
20220425-SPLP-AMENDED-COMP-E

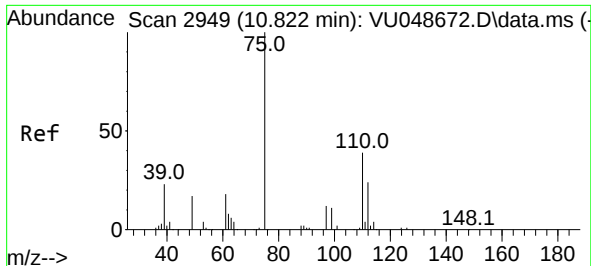
Tgt Ion:152 Resp: 268840
Ion Ratio Lower Upper
152 100
115 60.6 41.8 125.4
150 155.5 0.0 341.0



#74
N-ethyl acetate
Concen: 2.488 ug/l
RT: 10.320 min Scan# 2793
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

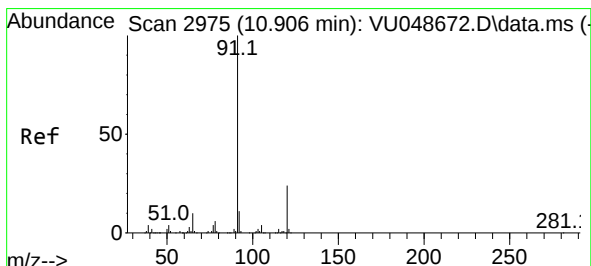
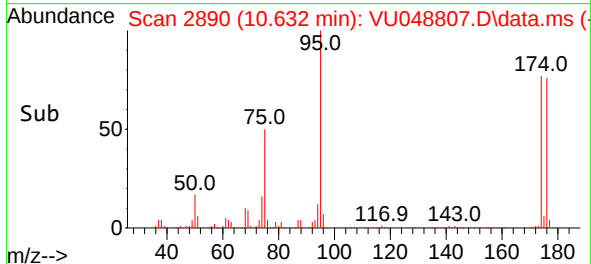
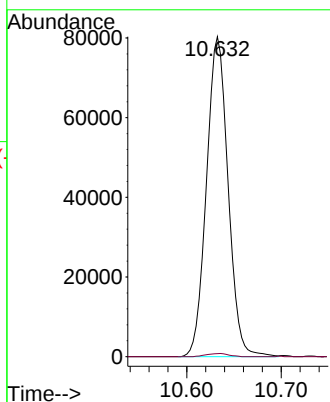
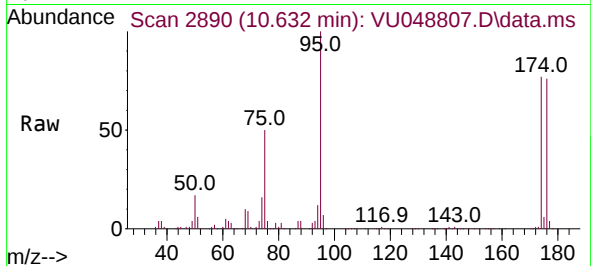




#76
1,2,3-Trichloropropane
Concen: 14.710 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

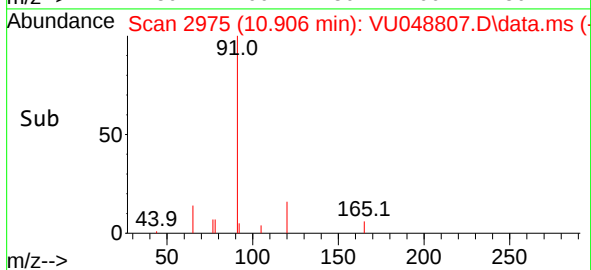
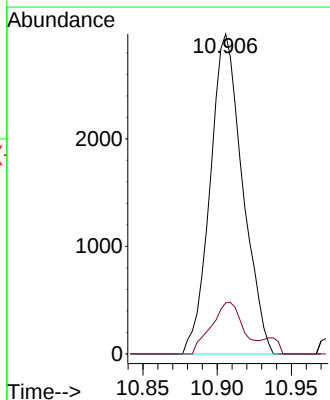
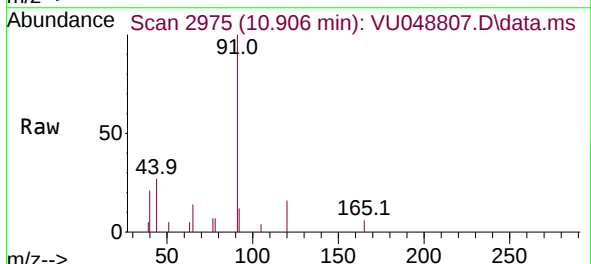
Instrument :
MSVOA_U
ClientSampleId :
20220425-SPLP-AMENDED-COMP-E

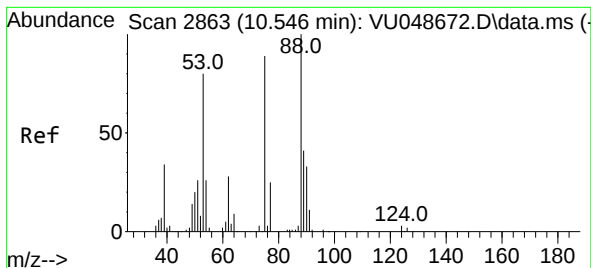
Tgt Ion: 75 Resp: 127511
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#78
n-propylbenzene
Concen: 0.219 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 91 Resp: 4526
Ion Ratio Lower Upper
91 100
120 16.0 11.6 34.7

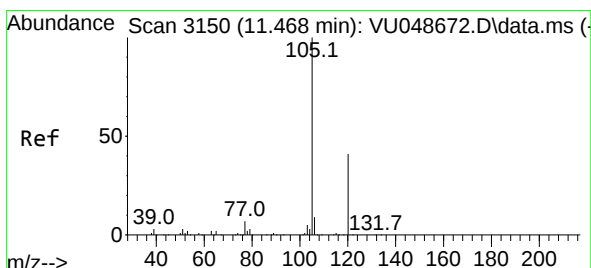
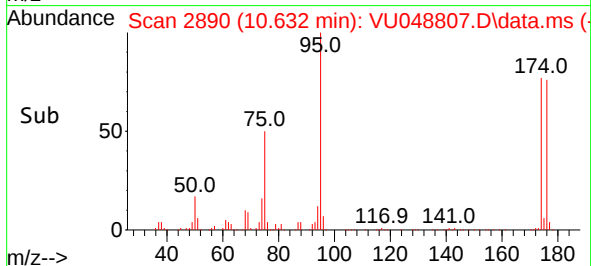
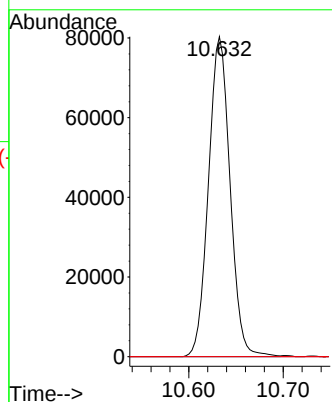
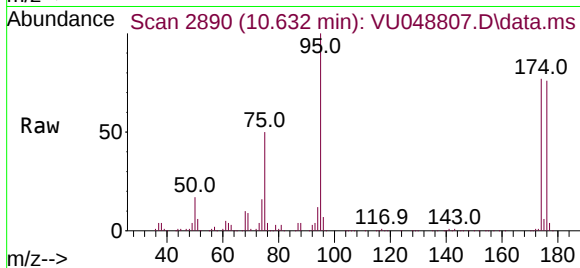




#81
trans-1,4-Dichloro-2-butene
Concen: 53.412 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

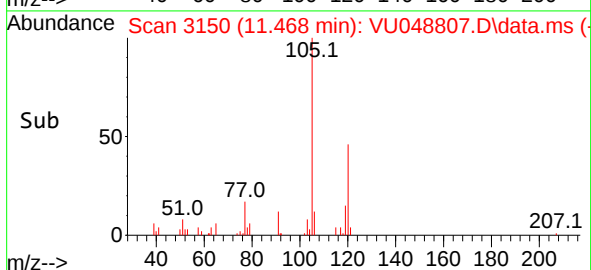
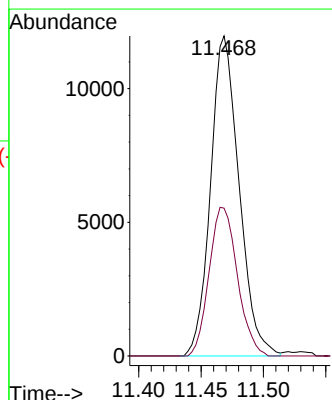
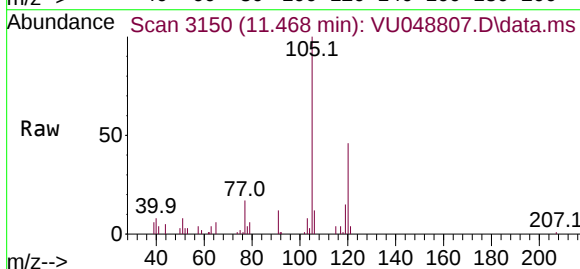
Instrument : MSVOA_U
ClientSampleId : 20220425-SPLP-AMENDED-COMP-E

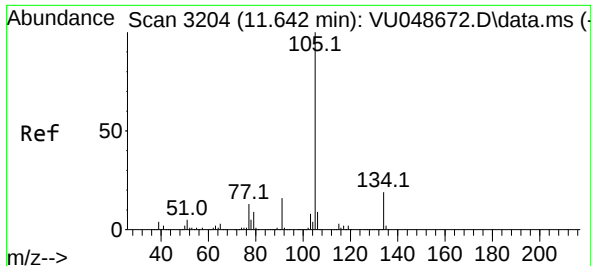
Tgt Ion: 75 Resp: 127511
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.332 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Tgt Ion: 105 Resp: 19071
Ion Ratio Lower Upper
105 100
120 46.0 22.5 67.5

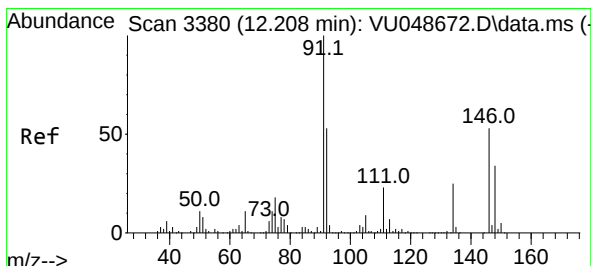
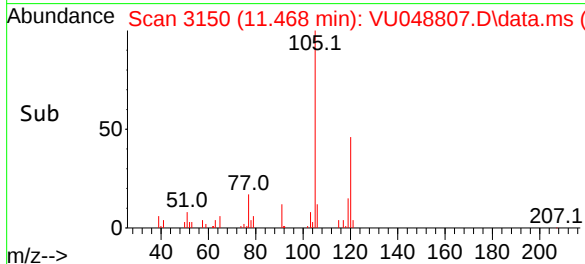
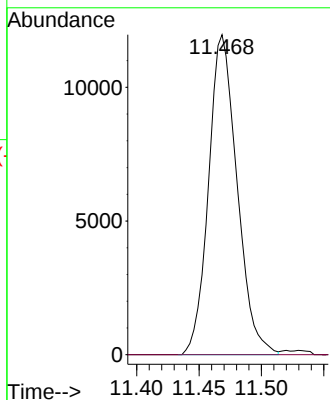
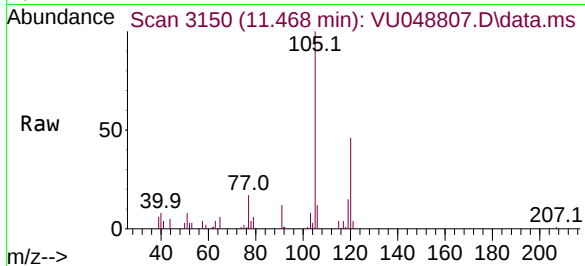




#85
 sec-Butylbenzene
 Concen: 1.052 ug/l
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.174 min
 Lab File: VU048807.D
 Acq: 02 Jun 2022 16:35

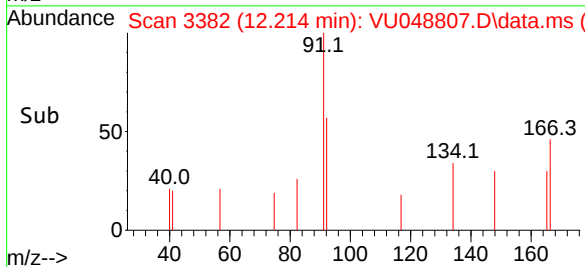
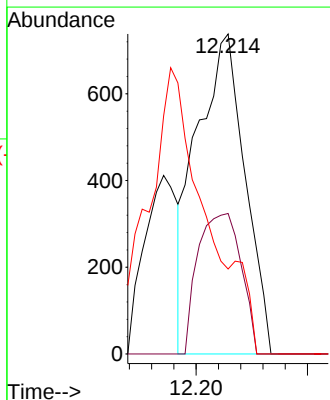
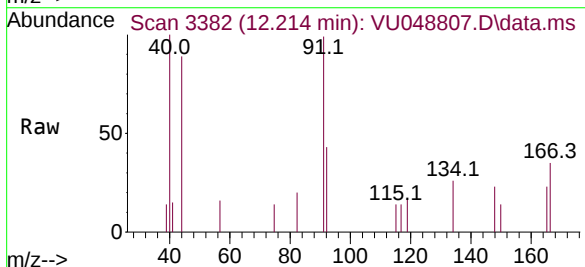
Instrument :
 MSVOA_U
 ClientSampleId :
 20220425-SPLP-AMENDED-COMP-E

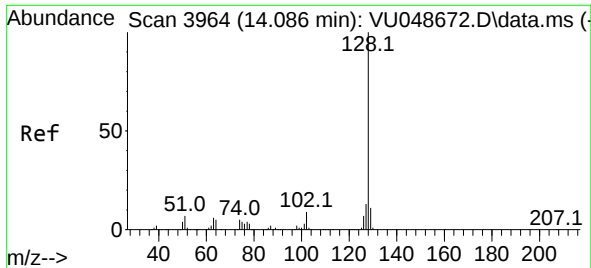
Tgt Ion:105 Resp: 19071
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 2.254 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. 0.006 min
 Lab File: VU048807.D
 Acq: 02 Jun 2022 16:35

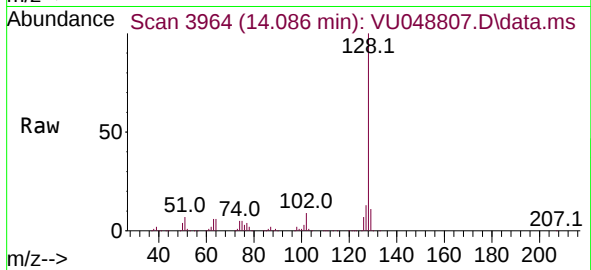
Tgt Ion: 91 Resp: 1117
 Ion Ratio Lower Upper
 91 100
 92 39.0 25.9 77.8
 134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 30.299 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048807.D
Acq: 02 Jun 2022 16:35

Instrument : MSVOA_U
ClientSampleId : 20220425-SPLP-AMENDED-COMP-E



Tgt Ion:128 Resp: 618914
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.2 8.7 13.1

