

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049591.D
 Acq On : 01 Jul 2022 18:54
 Operator : SY/MD
 Sample : N3569-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-80

Quant Time: Jul 04 06:48:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

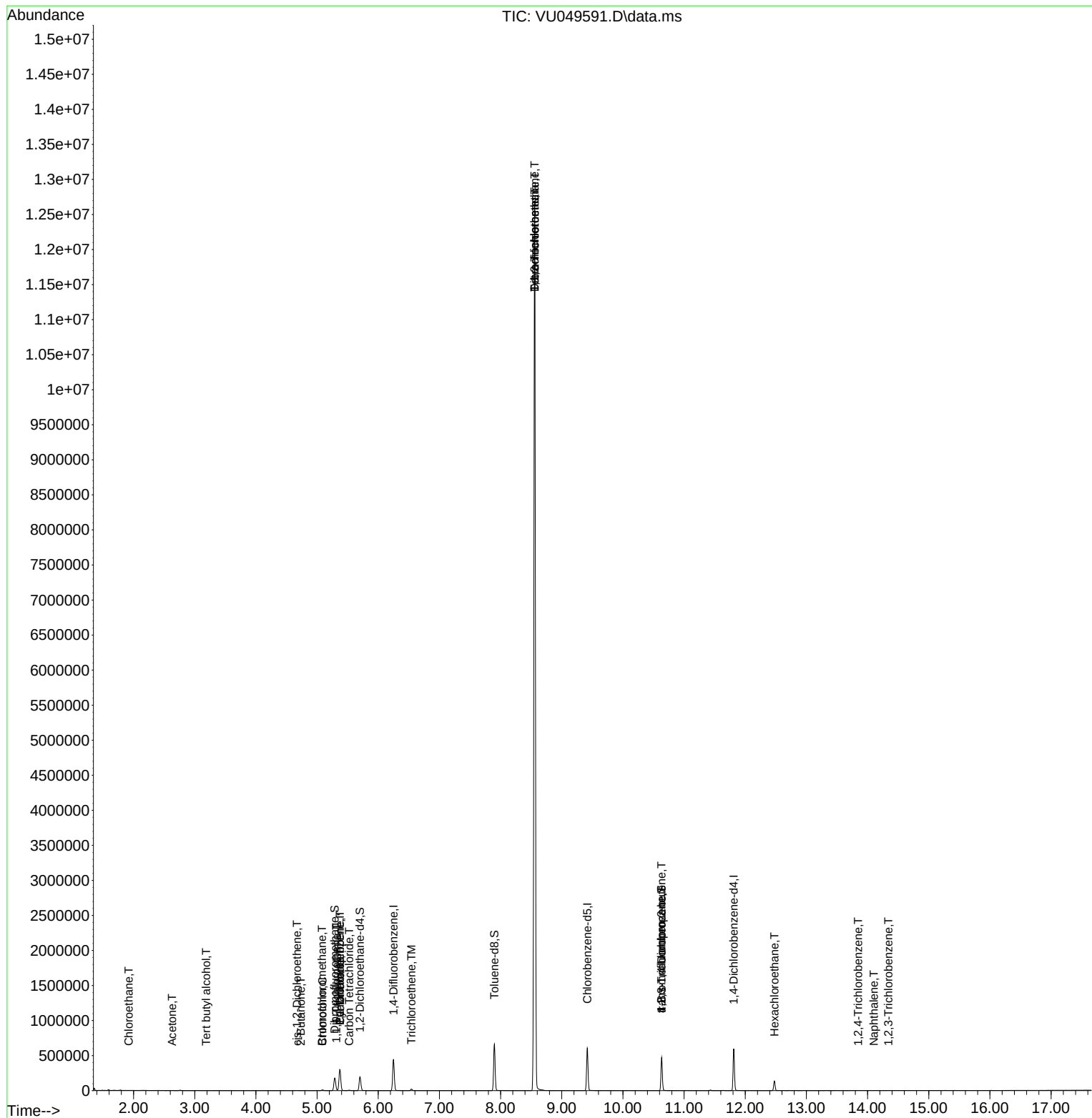
Internal Standards						
1) Pentafluorobenzene	5.372	168	201300	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	352270	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	325687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	150894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	149315	48.164	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.320%		
35) Dibromofluoromethane	5.288	113	117316	47.601	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.200%		
50) Toluene-d8	7.899	98	431725	49.113	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.220%		
62) 4-Bromofluorobenzene	10.632	95	155482	46.174	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.340%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2266	Below Cal		94
6) Chloroethane	1.919	64	21	1.929 ug/l	#	44
11) Tert butyl alcohol	3.186	59	196	0.270 ug/l	#	37
16) Acetone	2.629	43	1897	1.213 ug/l		96
20) Methylene Chloride	3.044	84	406	Below Cal	#	64
25) 2-Butanone	4.735	43	470	0.201 ug/l	#	45
27) cis-1,2-Dichloroethene	4.671	96	847	0.311 ug/l		96
28) Bromochloromethane	5.083	49	631	0.298 ug/l	#	4
30) Chloroform	5.089	83	9699	2.023 ug/l		89
31) Cyclohexane	5.375	56	4470	0.960 ug/l	#	1
32) 1,1,1-Trichloroethane	5.314	97	1862	0.448 ug/l	#	38
36) 1,1-Dichloropropene	5.372	75	16736	4.683 ug/l	#	49
38) Carbon Tetrachloride	5.523	117	4562	1.217 ug/l		88
44) Trichloroethene	6.542	130	7083	2.762 ug/l		87
55) 1,1,2-Trichloroethane	8.555	97	26567	10.020 ug/l	#	1
60) Dibromochloromethane	8.555	129	2717637	985.674 ug/l	#	11
64) Tetrachloroethene	8.558	164	2674021	1280.087 ug/l		91
76) 1,2,3-Trichloropropane	10.632	75	82221	16.074 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	82221	59.359 ug/l	#	15
90) Hexachloroethane	12.478	117	25069	13.411 ug/l		88
93) 1,2,4-Trichlorobenzene	13.844	180	326	1.847 ug/l	#	53
95) Naphthalene	14.102	128	1564	1.864 ug/l	#	84
96) 1,2,3-Trichlorobenzene	14.339	180	44	1.189 ug/l	#	1

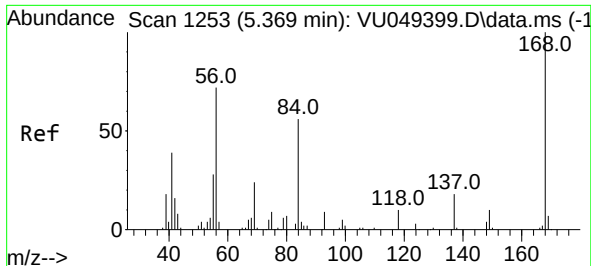
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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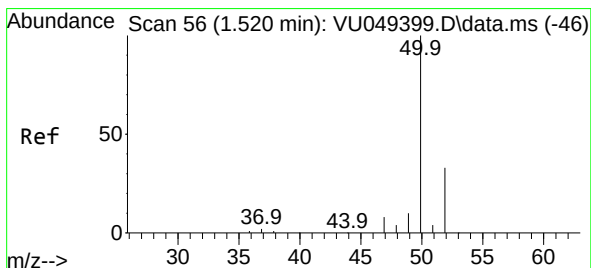
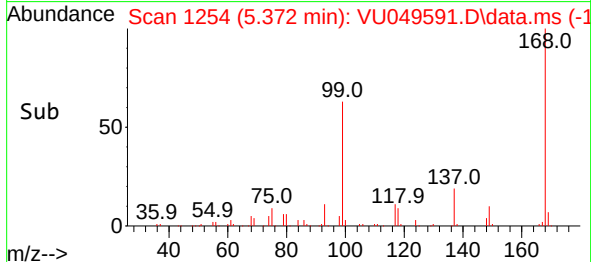
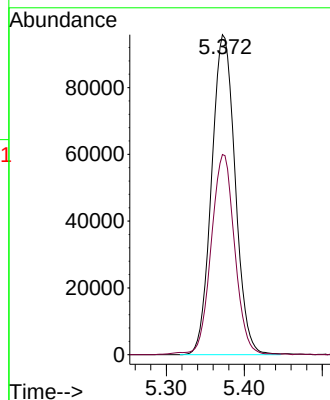
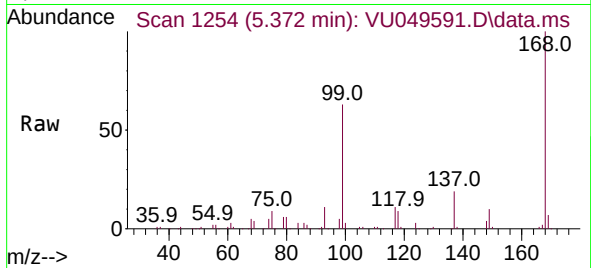




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

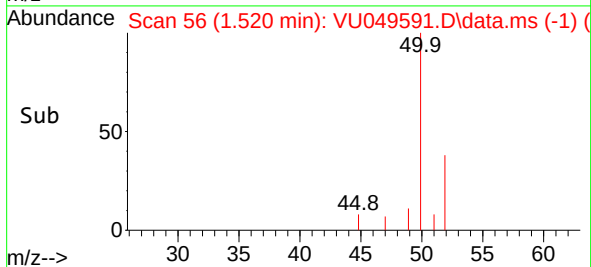
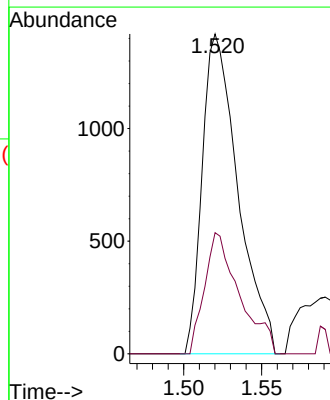
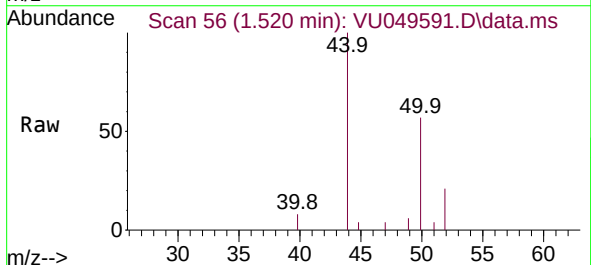
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

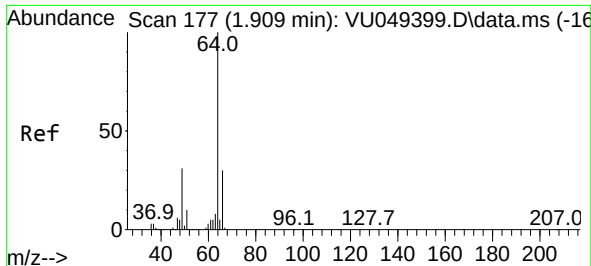
Tgt Ion:168 Resp: 201300
Ion Ratio Lower Upper
168 100
99 62.3 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 50 Resp: 2266
Ion Ratio Lower Upper
50 100
52 37.9 27.4 41.2

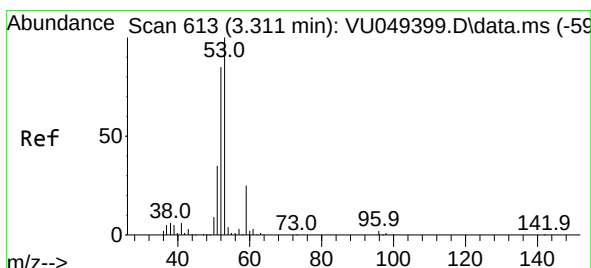
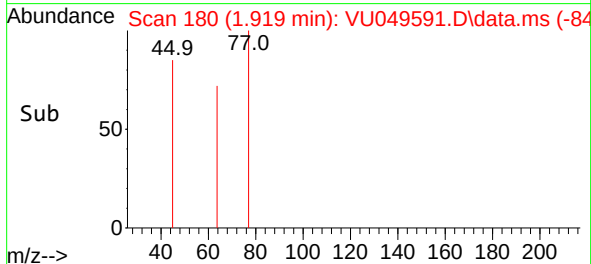
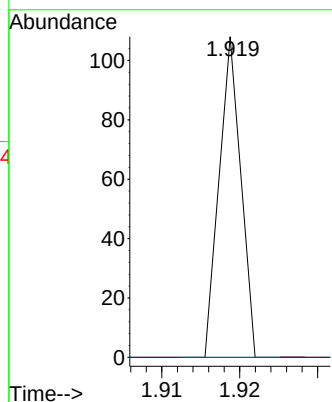
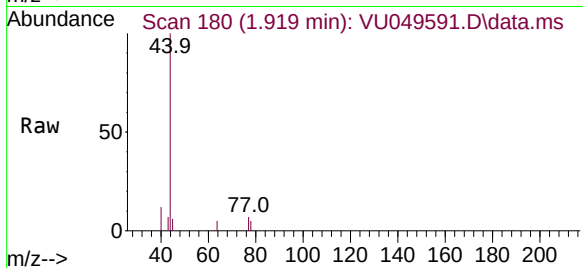




#6
Chloroethane
Concen: 1.929 ug/l
RT: 1.919 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

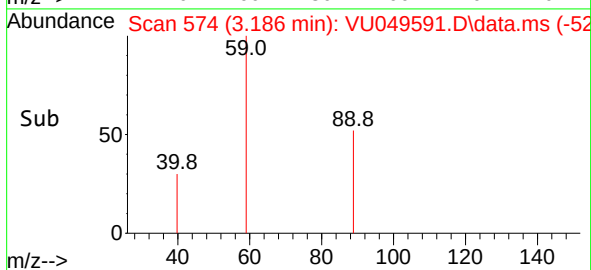
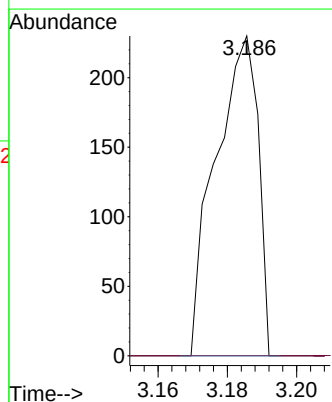
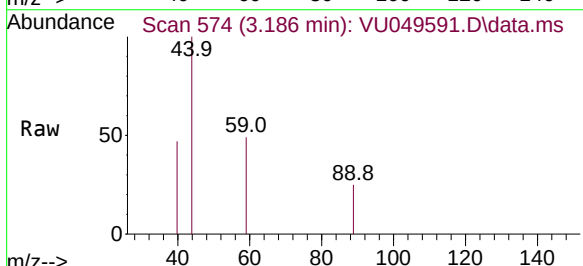
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

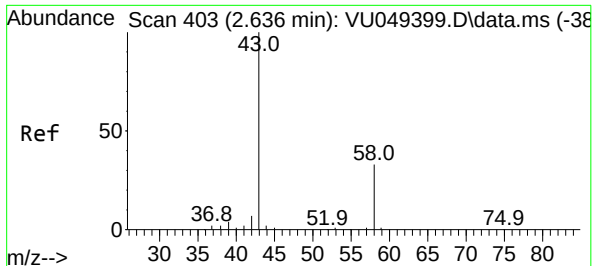
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

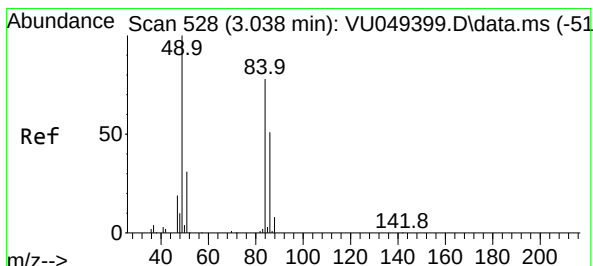
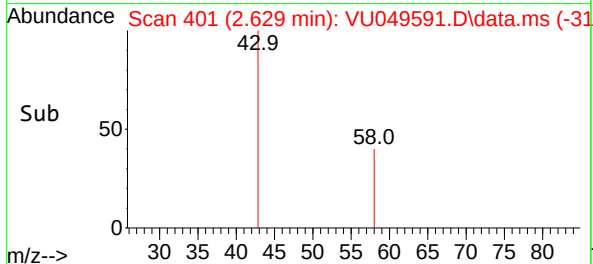
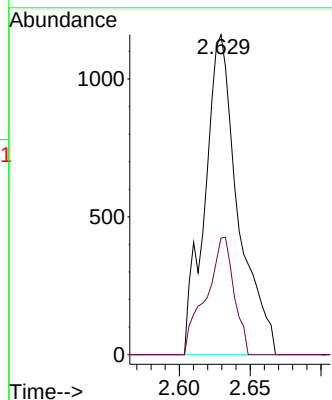
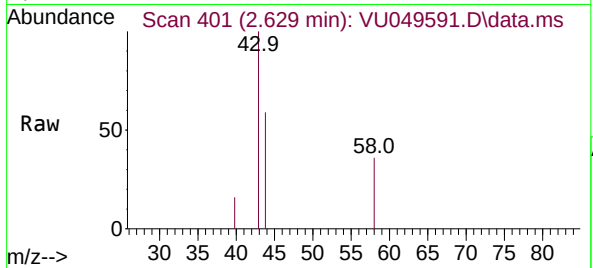




#16
Acetone
Concen: 1.213 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

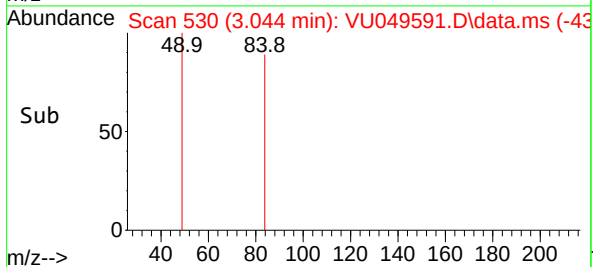
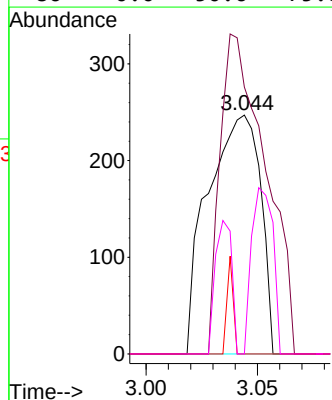
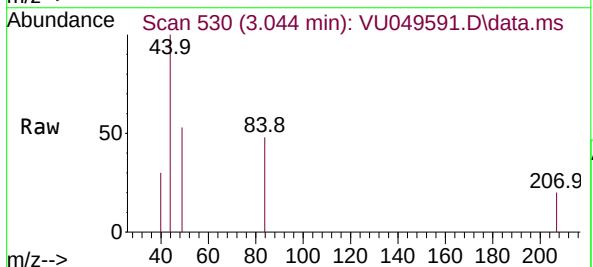
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

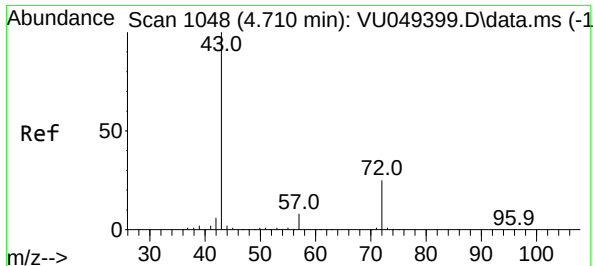
Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 36.4 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 530
Delta R.T. 0.006 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 84 Resp: 406
Ion Ratio Lower Upper
84 100
49 111.7 86.6 129.8
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.735 min Scan# 1056

Delta R.T. 0.026 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

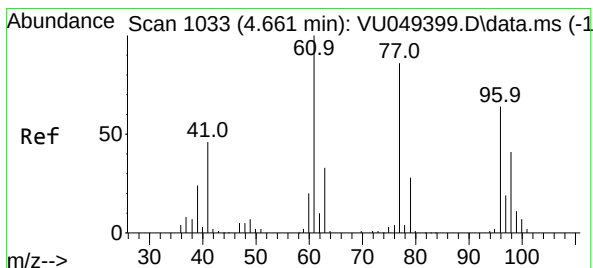
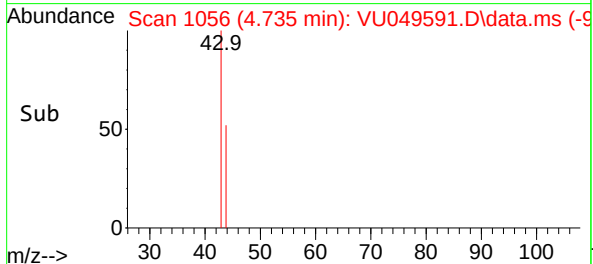
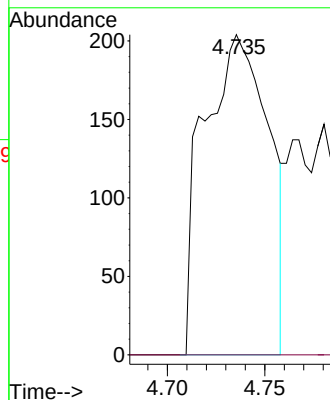
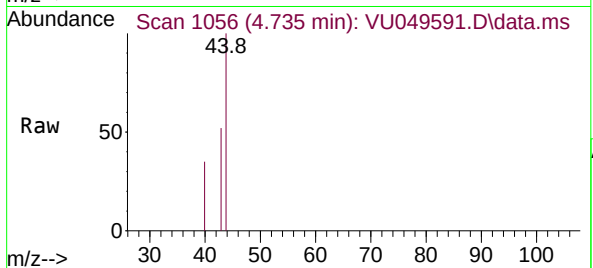
152140-SPC-09-80

Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#27

cis-1,2-Dichloroethene

Concen: 0.311 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

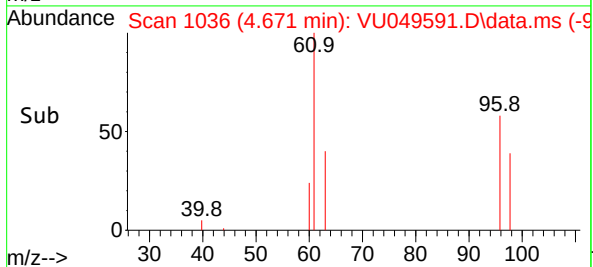
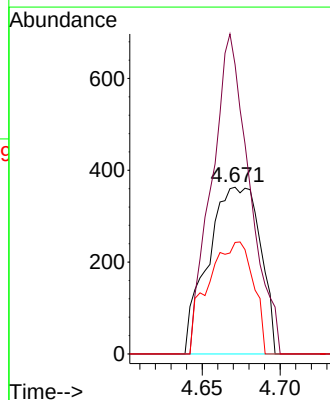
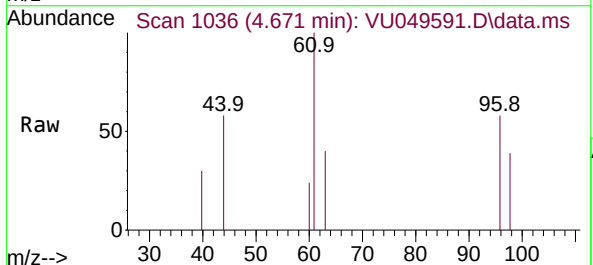
Tgt Ion: 96 Resp: 847

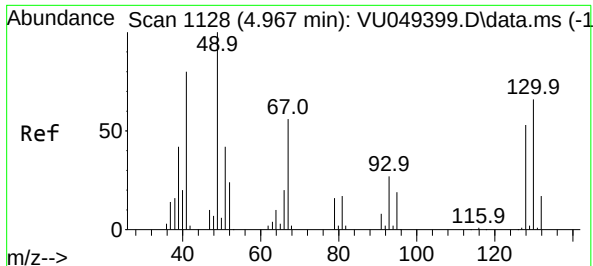
Ion Ratio Lower Upper

96 100

61 139.0 0.0 271.6

98 58.1 0.0 128.2





#28

Bromochloromethane

Concen: 0.298 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.116 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-80

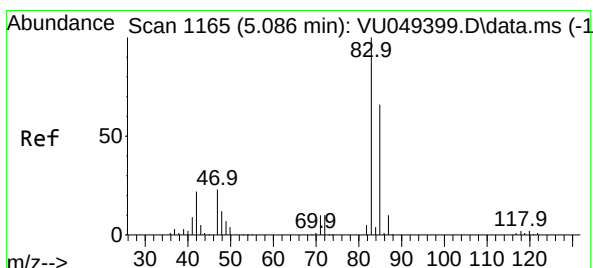
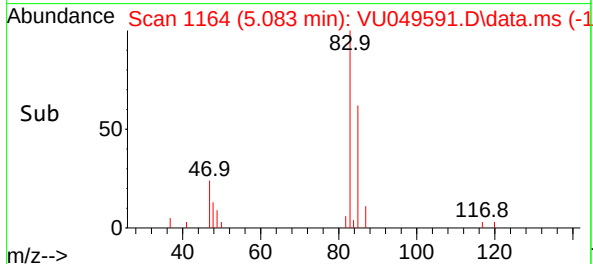
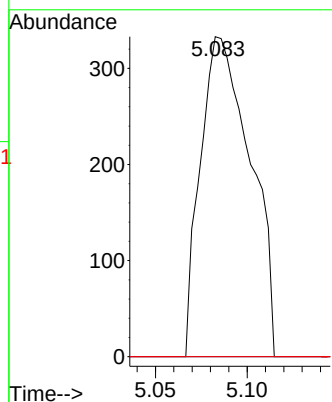
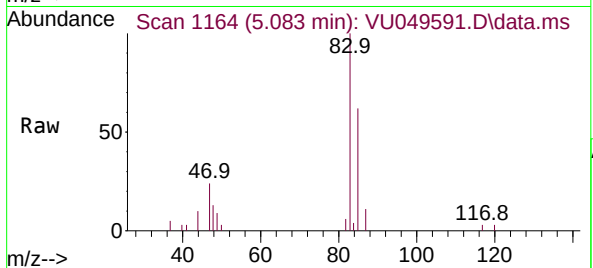
Tgt Ion: 49 Resp: 631

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 76.9 115.3#



#30

Chloroform

Concen: 2.023 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU049591.D

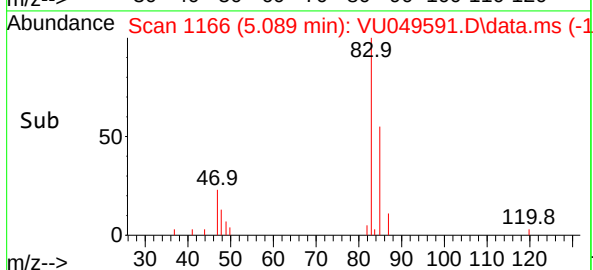
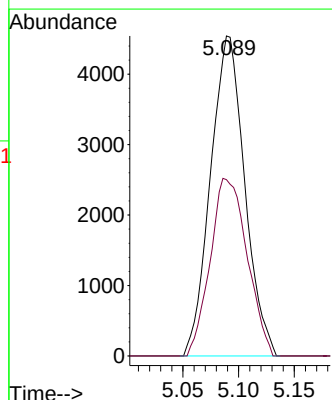
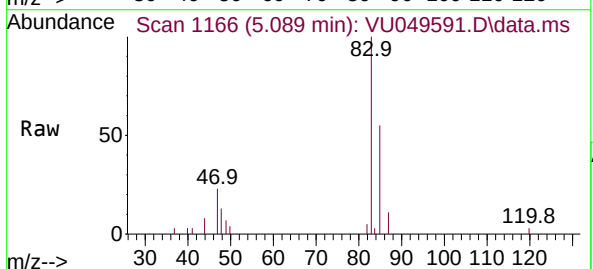
Acq: 01 Jul 2022 18:54

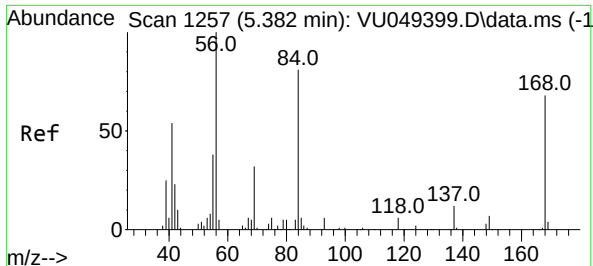
Tgt Ion: 83 Resp: 9699

Ion Ratio Lower Upper

83 100

85 55.1 51.2 76.8

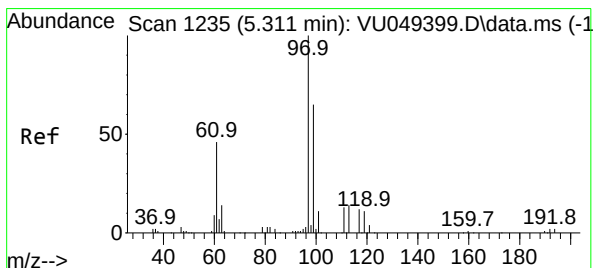
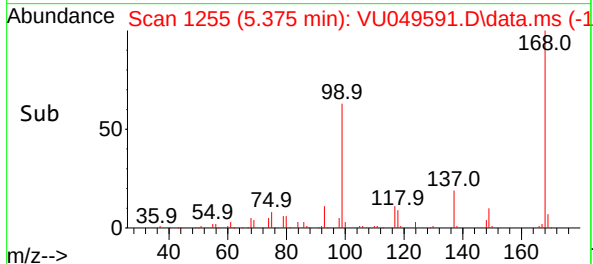
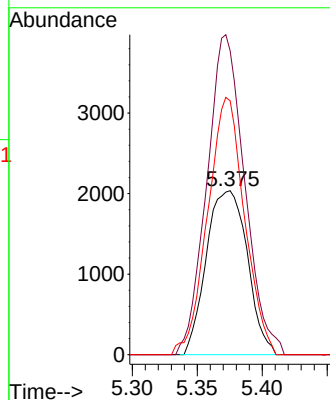
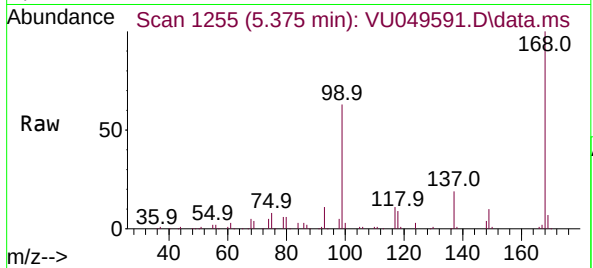




#31
Cyclohexane
Concen: 0.960 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

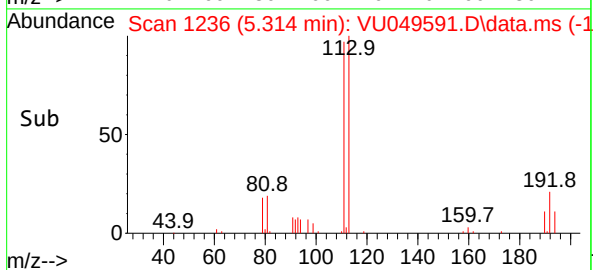
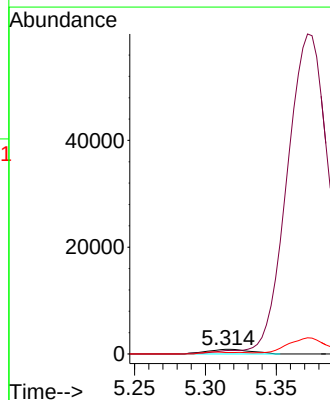
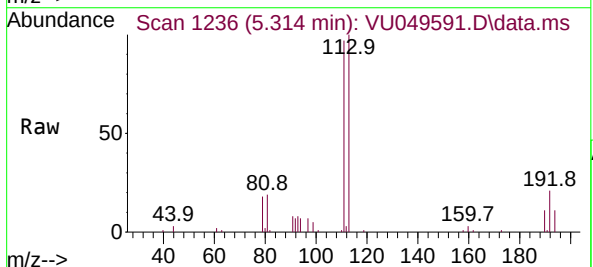
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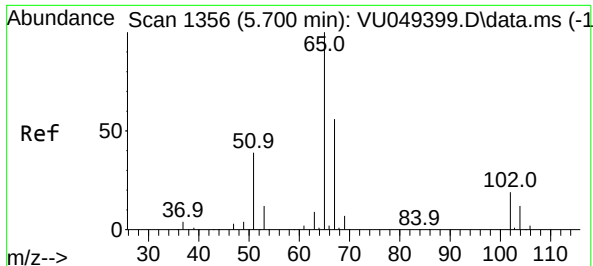
Tgt Ion: 56 Resp: 4470
Ion Ratio Lower Upper
56 100
69 179.5 27.8 41.8#
84 154.9 74.2 111.4#



#32
1,1,1-Trichloroethane
Concen: 0.448 ug/l
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 97 Resp: 1862
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 23.7 35.1 52.7#





#33

1,2-Dichloroethane-d4

Concen: 48.164 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

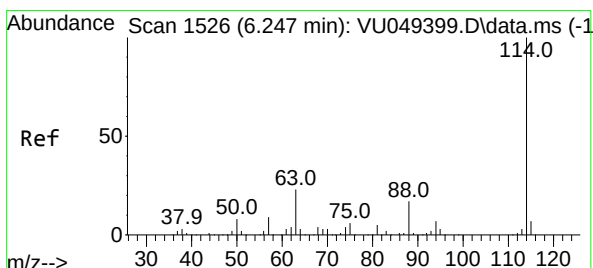
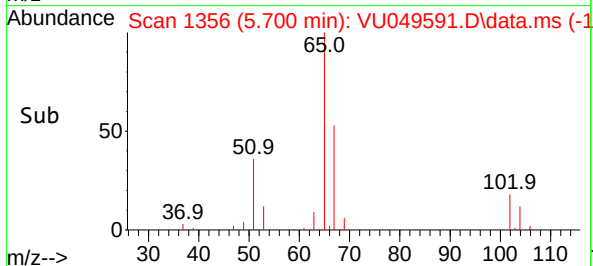
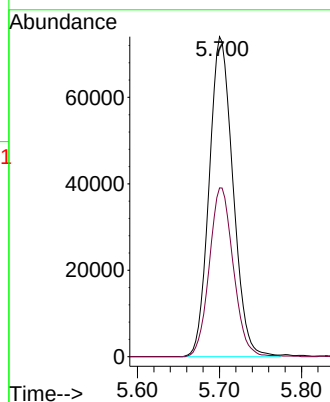
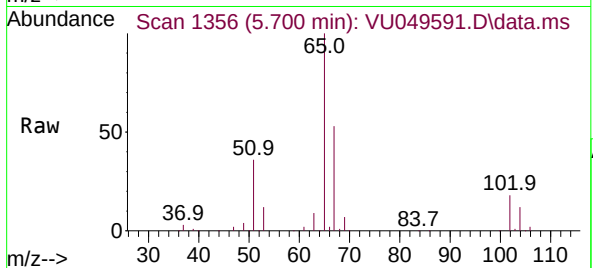
152140-SPC-09-80

Tgt Ion: 65 Resp: 149315

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

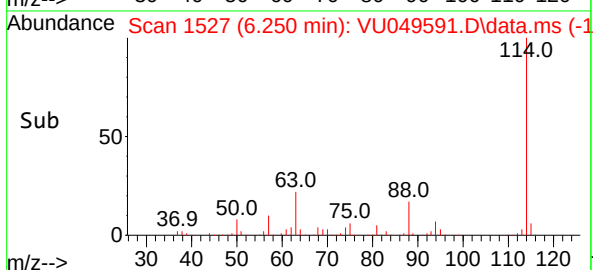
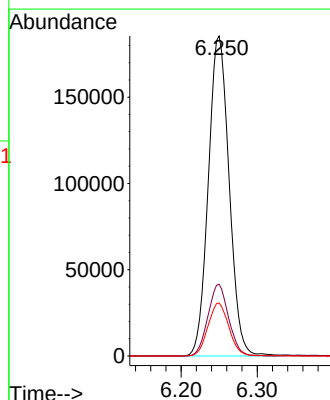
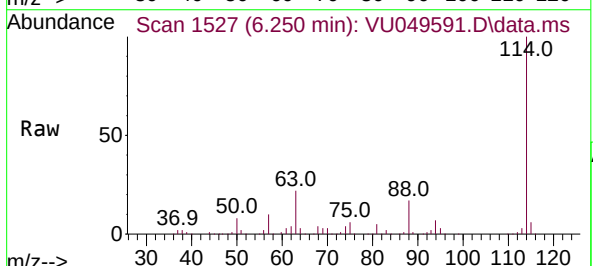
Tgt Ion: 114 Resp: 352270

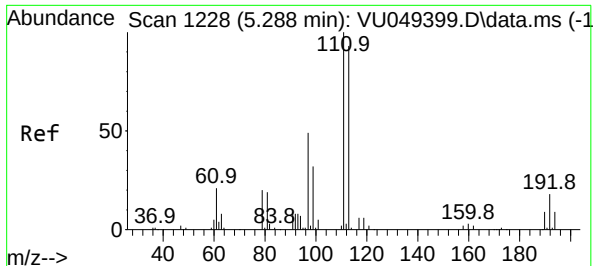
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.6 0.0 29.2

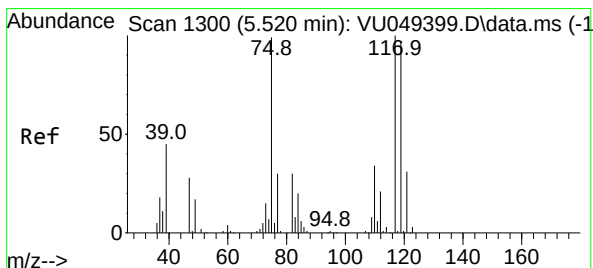
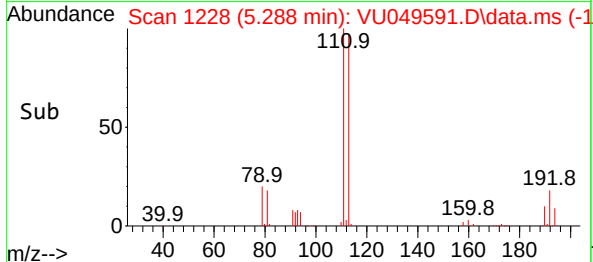
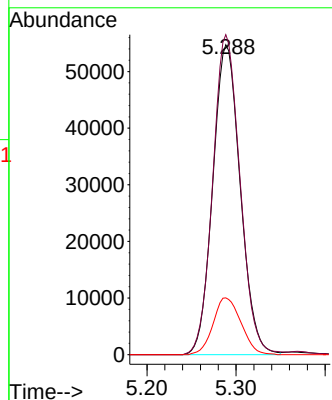
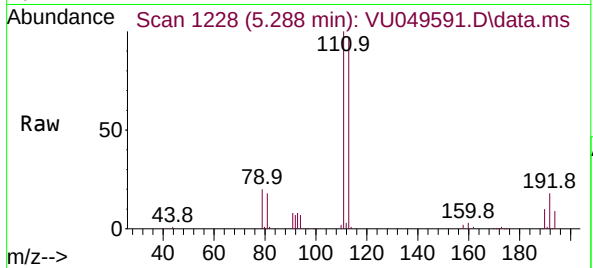




#35
Dibromofluoromethane
Concen: 47.601 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

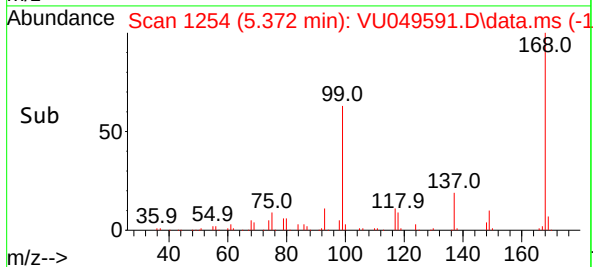
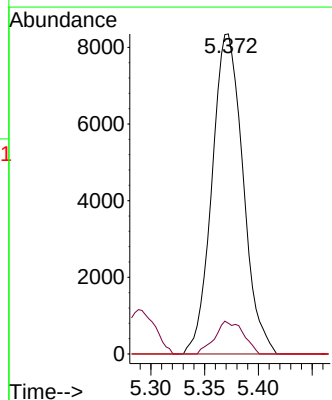
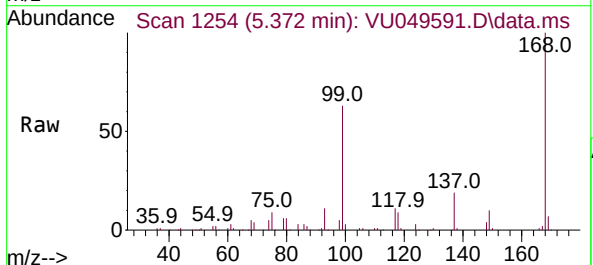
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

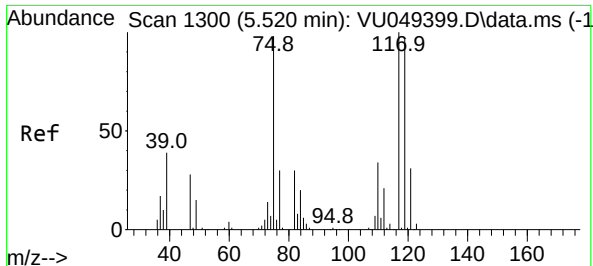
Tgt Ion:113 Resp: 117316
Ion Ratio Lower Upper
113 100
111 102.5 82.1 123.1
192 18.6 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 75 Resp: 16736
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 1.217 ug/l

RT: 5.523 min Scan# 1117

Delta R.T. 0.003 min

Lab File: VU049591.D

Acq: 01 Jul 2022 18:54

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-80

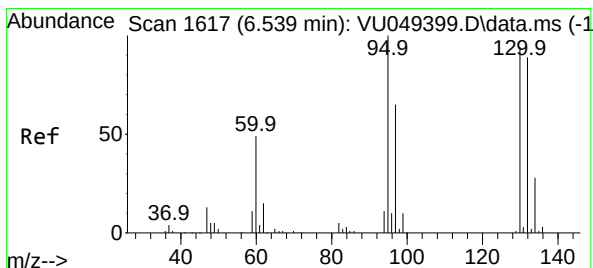
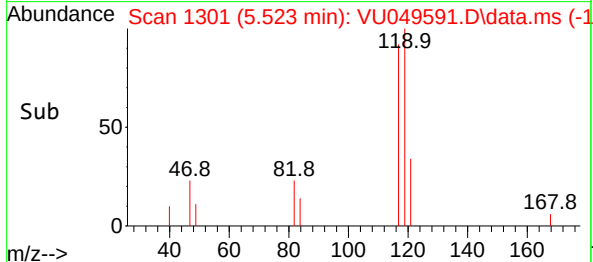
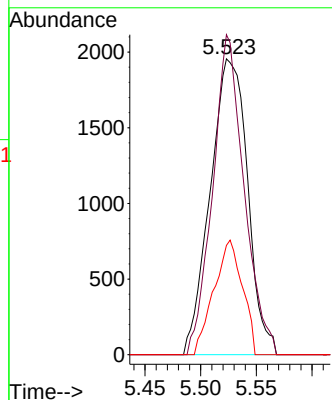
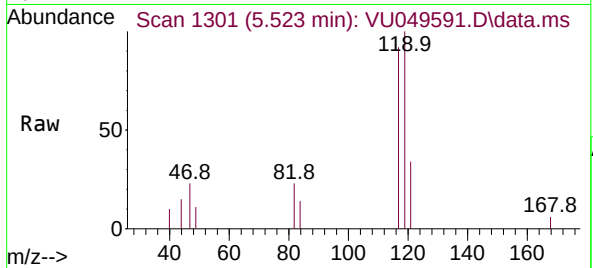
Tgt Ion:117 Resp: 4562

Ion Ratio Lower Upper

117 100

119 108.2 76.8 115.2

121 37.0 24.7 37.1



#44

Trichloroethene

Concen: 2.762 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049591.D

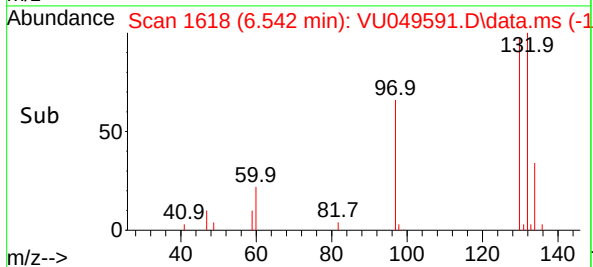
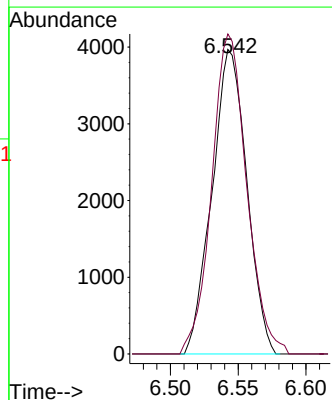
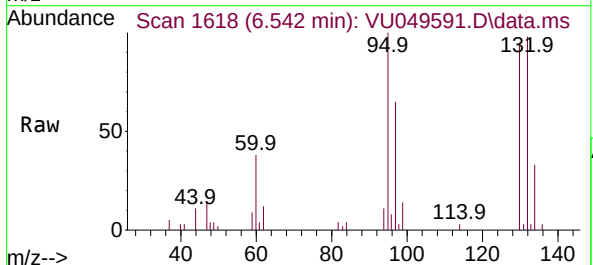
Acq: 01 Jul 2022 18:54

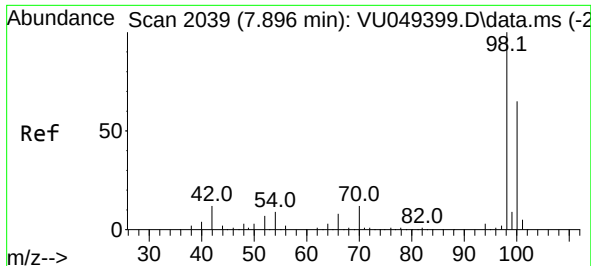
Tgt Ion:130 Resp: 7083

Ion Ratio Lower Upper

130 100

95 105.1 0.0 184.6

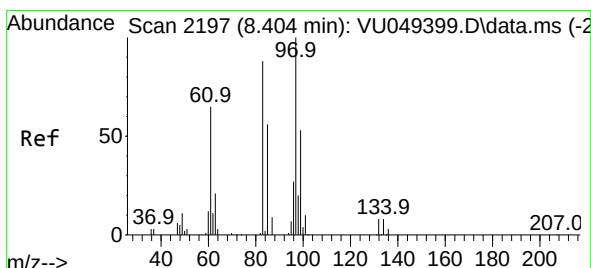
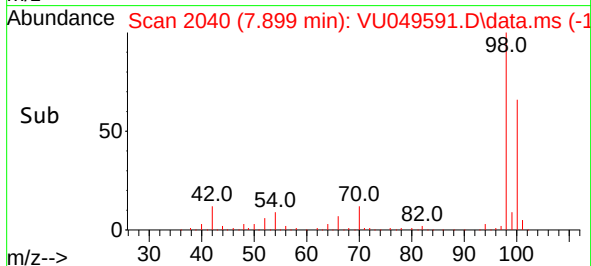
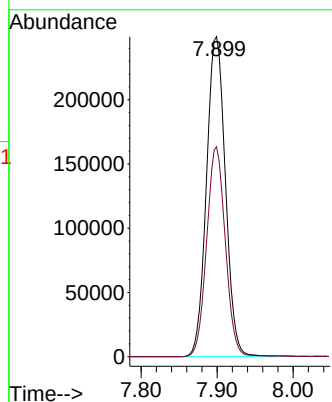
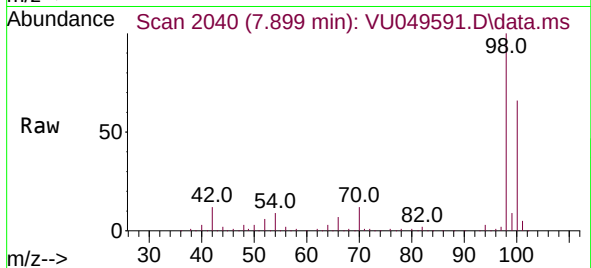




#50
Toluene-d8
Concen: 49.113 ug/l
RT: 7.899 min Scan# 2039
Delta R.T. 0.003 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

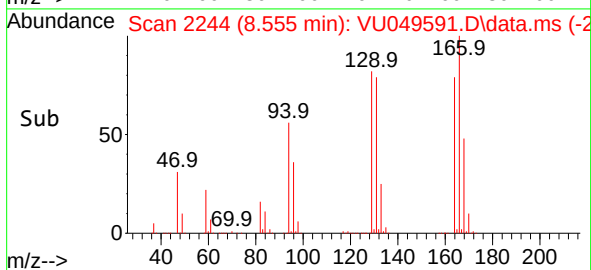
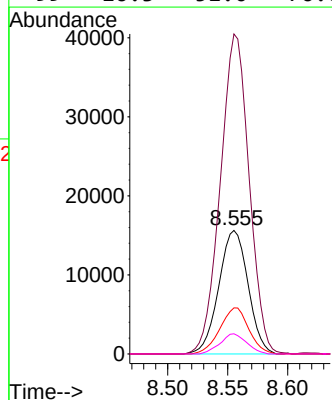
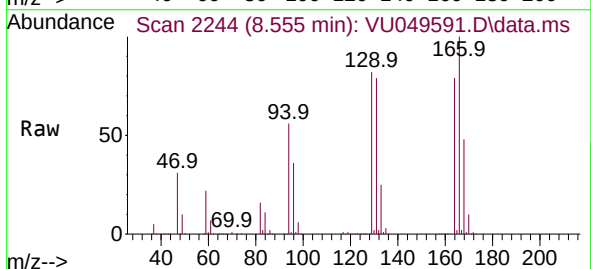
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

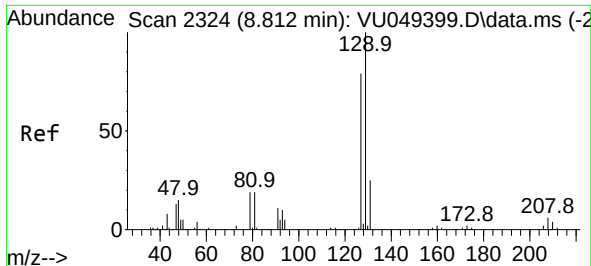
Tgt Ion: 98 Resp: 431725
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 10.020 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 97 Resp: 26567
Ion Ratio Lower Upper
97 100
83 258.9 70.2 105.4#
85 37.2 44.6 66.8#
99 16.3 51.0 76.6#

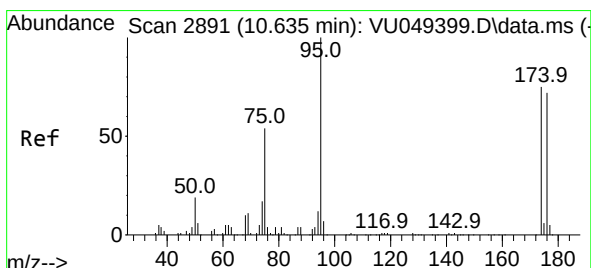
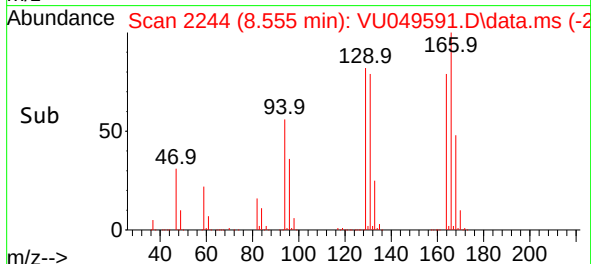
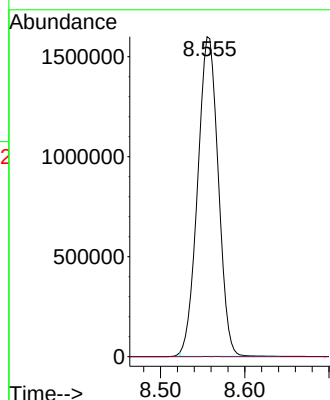
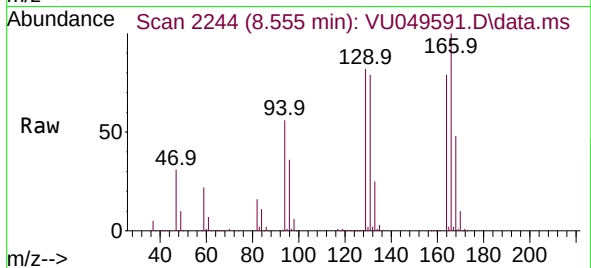




#60
Dibromochloromethane
Concen: 985.674 ug/l
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

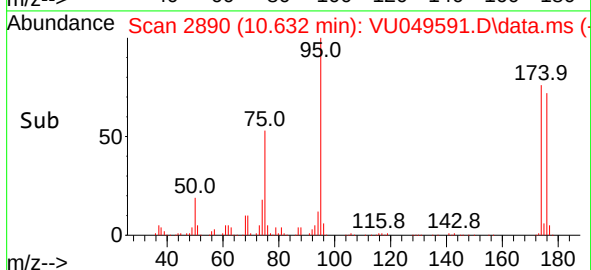
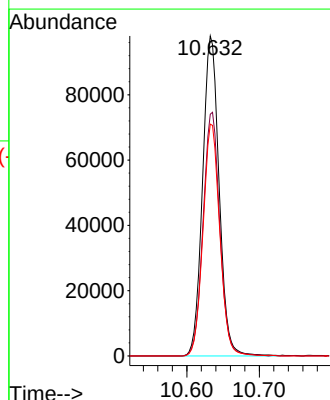
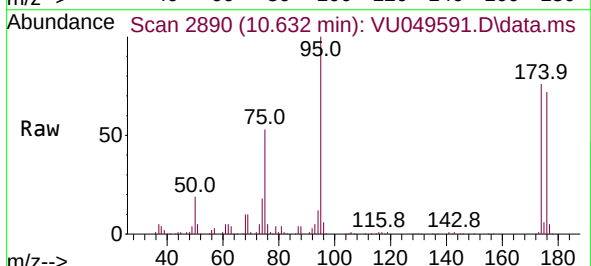
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

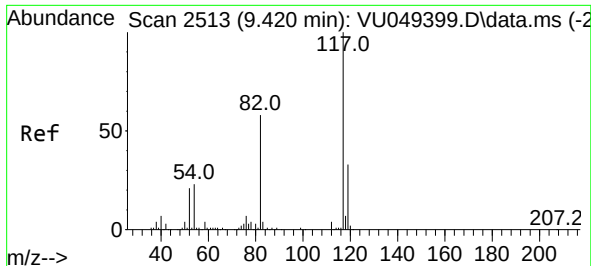
Tgt Ion:129 Resp: 2717637
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 46.174 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion: 95 Resp: 155482
Ion Ratio Lower Upper
95 100
174 77.1 0.0 182.0
176 73.2 0.0 177.8

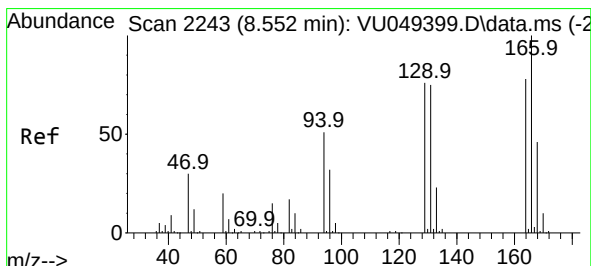
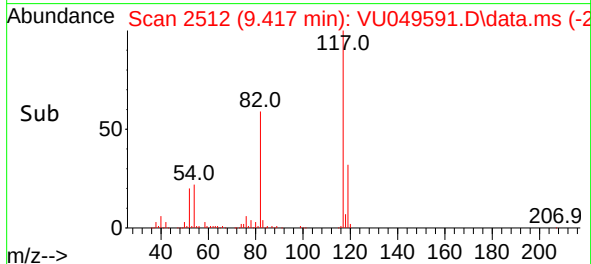
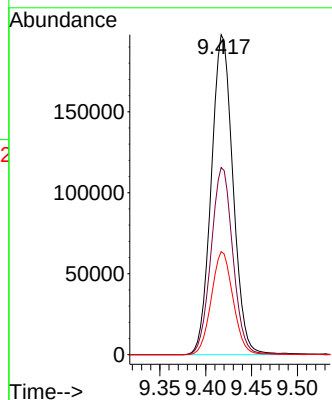
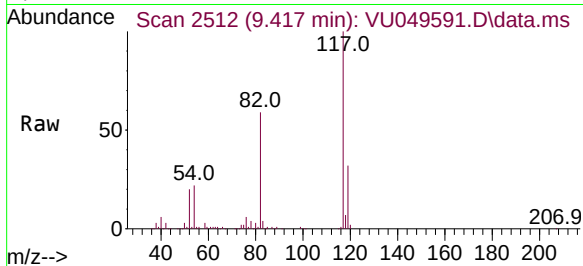




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

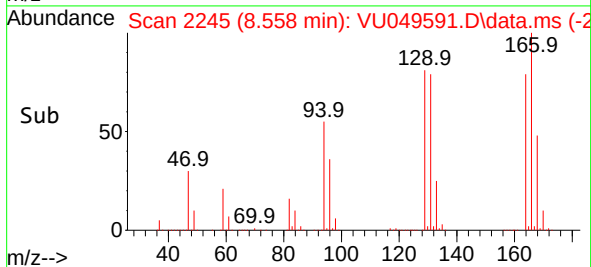
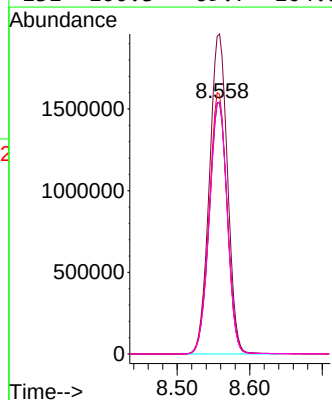
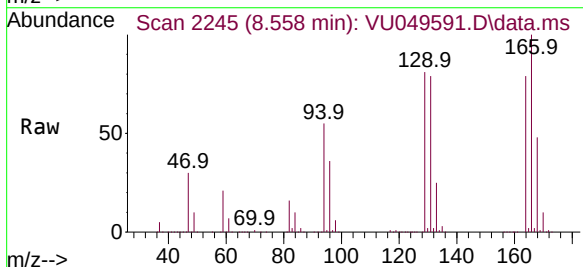
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

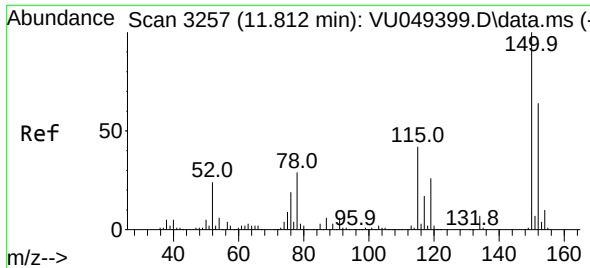
Tgt Ion:	117	Resp:	325687
Ion	Ratio	Lower	Upper
117	100		
82	58.5	41.7	62.5
119	32.2	25.7	38.5



#64
Tetrachloroethene
Concen: 1280.087 ug/l
RT: 8.558 min Scan# 2245
Delta R.T. 0.006 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

Tgt Ion:	164	Resp:	2674021
Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.0	150.0
129	103.3	72.0	108.0
131	100.3	69.7	104.5

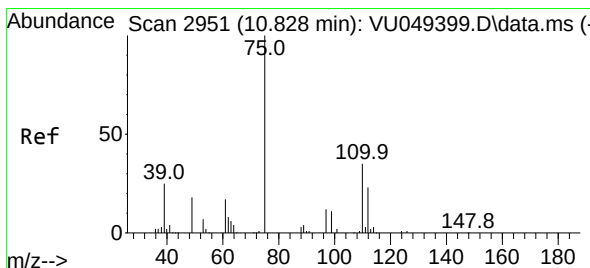
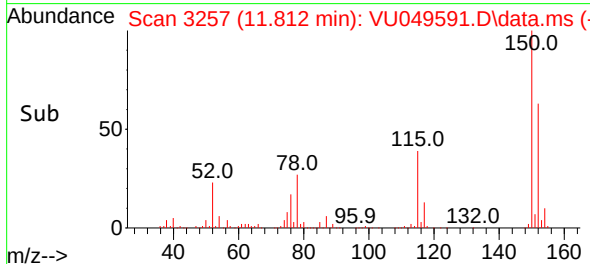
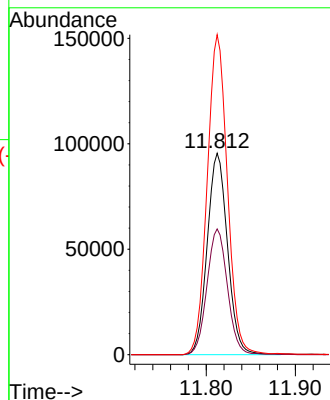
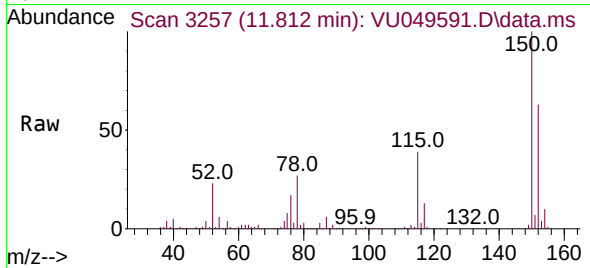




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049591.D
 Acq: 01 Jul 2022 18:54

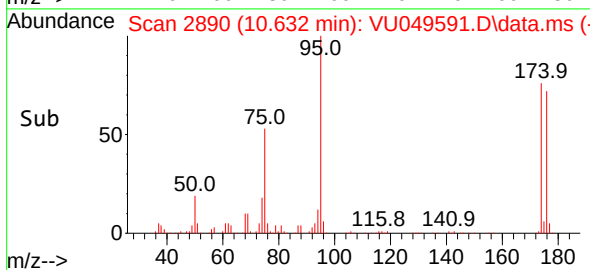
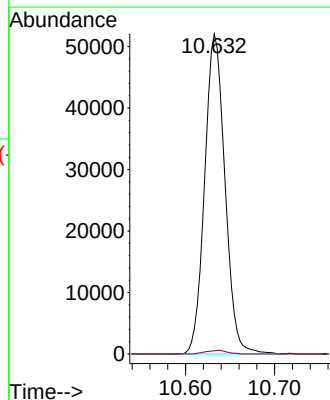
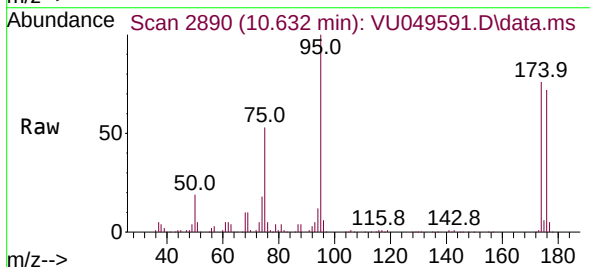
Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-80

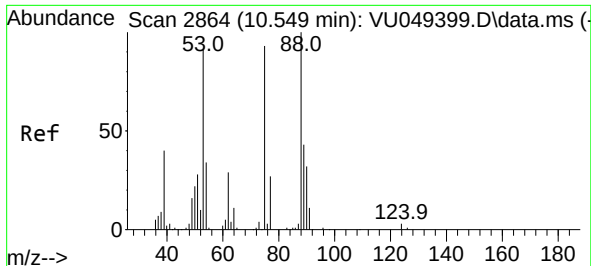
Tgt Ion:152 Resp: 150894
 Ion Ratio Lower Upper
 152 100
 115 63.0 37.0 110.9
 150 157.7 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.074 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049591.D
 Acq: 01 Jul 2022 18:54

Tgt Ion: 75 Resp: 82221
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

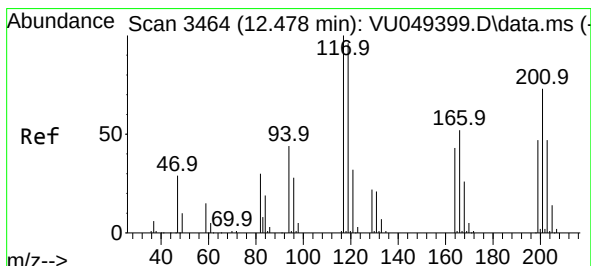
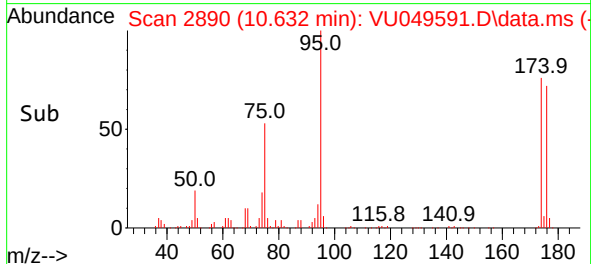
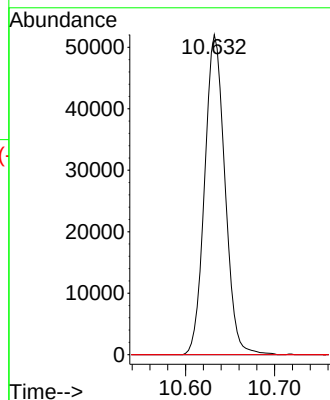
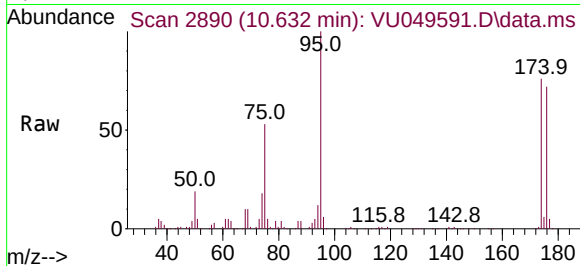




#81
trans-1,4-Dichloro-2-butene
Concen: 59.359 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

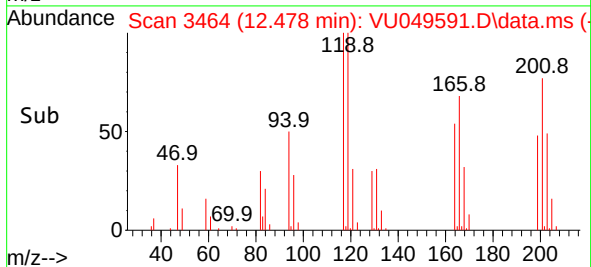
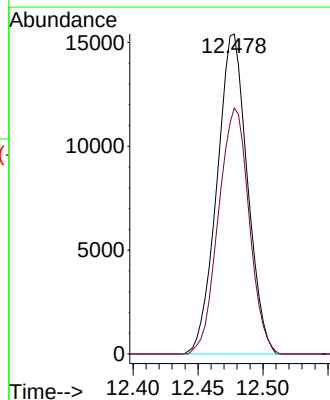
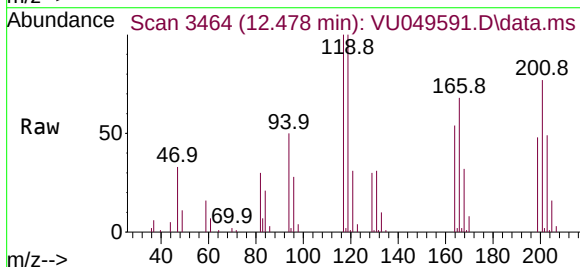
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80

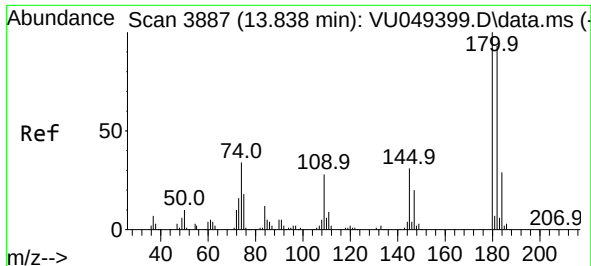
Tgt Ion: 75 Resp: 82221
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 13.411 ug/l
RT: 12.478 min Scan# 3464
Delta R.T. 0.000 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

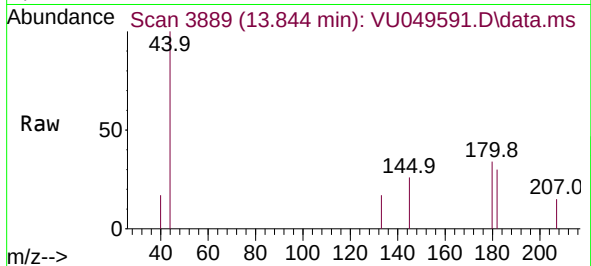
Tgt Ion: 117 Resp: 25069
Ion Ratio Lower Upper
117 100
201 77.6 44.6 134.0



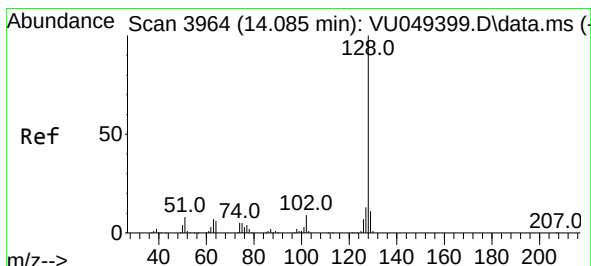
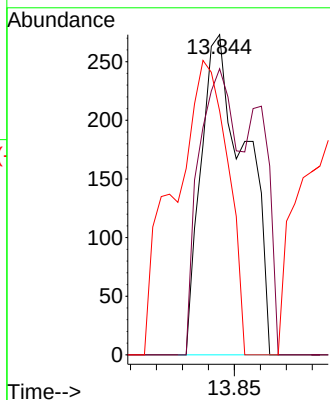
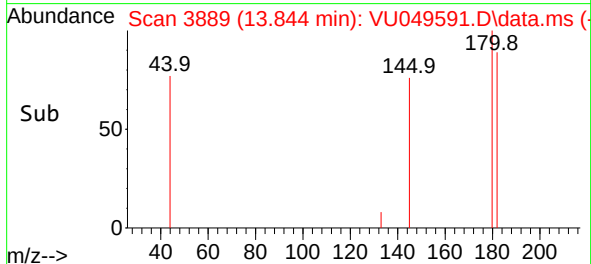


#93
1,2,4-Trichlorobenzene
Concen: 1.847 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54

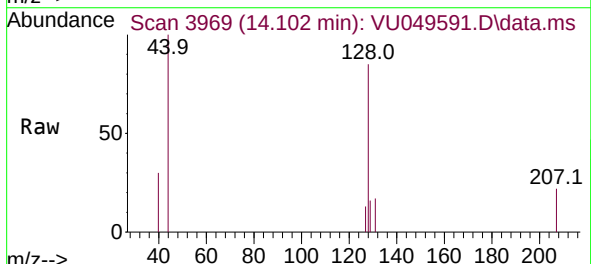
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-80



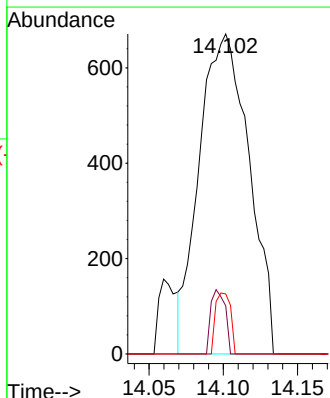
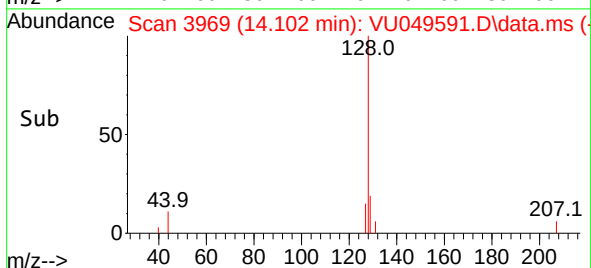
Tgt Ion:180 Resp: 326
Ion Ratio Lower Upper
180 100
182 81.6 47.9 143.6
145 110.4 14.0 41.9#

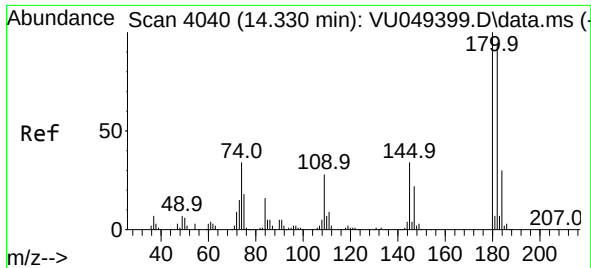


#95
Naphthalene
Concen: 1.864 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049591.D
Acq: 01 Jul 2022 18:54



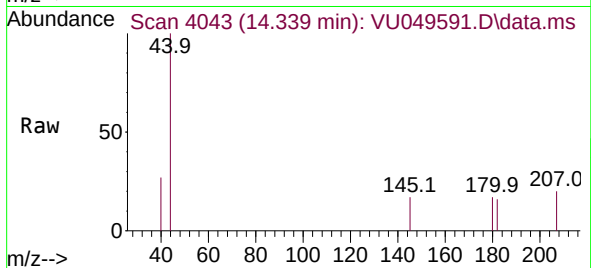
Tgt Ion:128 Resp: 1564
Ion Ratio Lower Upper
128 100
127 5.8 10.3 15.5#
129 5.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.189 ug/l
 RT: 14.339 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VU049591.D
 Acq: 01 Jul 2022 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-80



Tgt Ion:	180	Resp:	44
Ion	Ratio	Lower	Upper
180	100		
182	106.8	48.4	145.0
145	888.6	14.8	44.4#

