

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033122\
 Data File : VU047773.D
 Acq On : 31 Mar 2022 15:12
 Operator : SY/MD
 Sample : VU0331WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBL01

Quant Time: Apr 01 02:24:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U033122W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 13:50:29 2022
 Response via : Initial Calibration

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

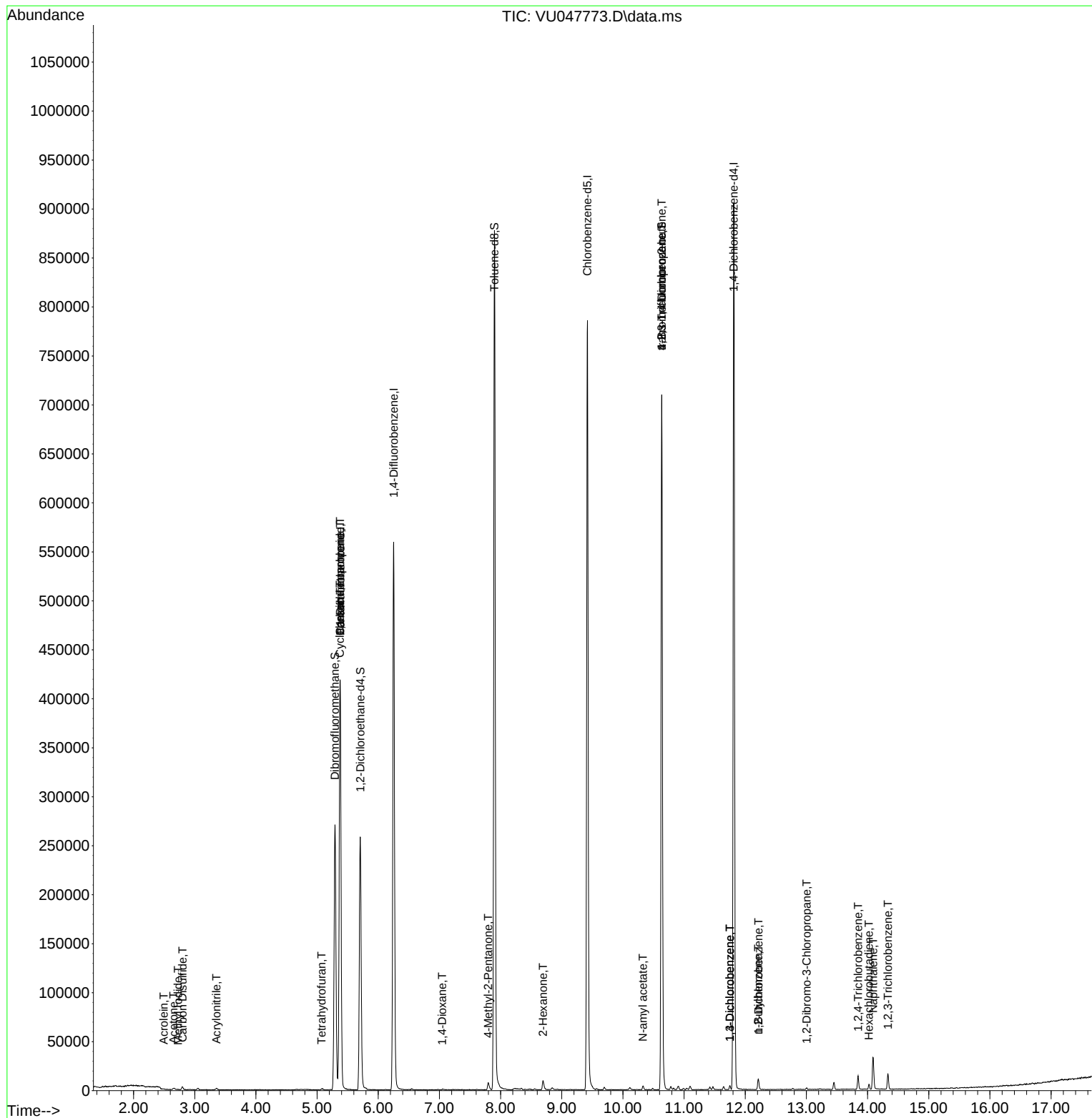
Internal Standards						
1) Pentafluorobenzene	5.379	168	322428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	488151	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	475150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	257129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	197362	57.057	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.120%	
35) Dibromofluoromethane	5.292	113	178016	54.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.760%	
50) Toluene-d8	7.899	98	617427	52.351	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.700%	
62) 4-Bromofluorobenzene	10.636	95	227356	49.498	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.000%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.729	142	64	1.973	ug/l #	43
13) Acrolein	2.494	56	108	3.056	ug/l #	37
15) Acrylonitrile	3.353	53	657	0.283	ug/l #	64
16) Acetone	2.652	43	2811	1.115	ug/l	90
17) Carbon Disulfide	2.800	76	3866	0.426	ug/l	96
29) Tetrahydrofuran	5.073	42	676	0.344	ug/l #	57
31) Cyclohexane	5.372	56	5711	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20813	4.503	ug/l #	48
38) Carbon Tetrachloride	5.375	117	28100	5.701	ug/l #	16
49) 1,4-Dioxane	7.044	88	92	0.842	ug/l #	44
51) 4-Methyl-2-Pentanone	7.796	43	5320	0.930	ug/l	100
59) 2-Hexanone	8.694	43	6693	1.427	ug/l	96
74) N-amyl acetate	10.327	43	2190	0.368	ug/l	93
76) 1,2,3-Trichloropropane	10.636	75	112368	15.611	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.636	75	112368	55.566	ug/l #	15
87) 1,3-Dichlorobenzene	11.751	146	1939	0.225	ug/l	94
88) 1,4-Dichlorobenzene	11.751	146	1939	0.220	ug/l	94
89) n-Butylbenzene	12.211	91	4604	0.361	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	2132	0.255	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	13.002	75	523	0.334	ug/l	74
93) 1,2,4-Trichlorobenzene	13.844	180	4963	0.837	ug/l	96
94) Hexachlorobutadiene	14.021	225	1255	0.420	ug/l	95
95) Naphthalene	14.092	128	30639	1.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	5477	0.947	ug/l	94

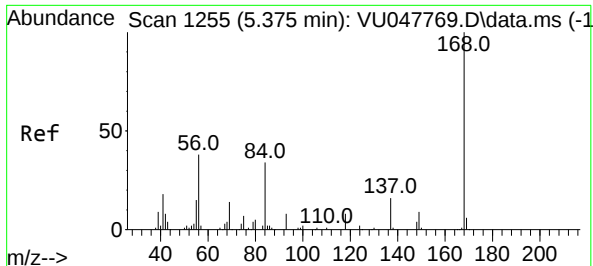
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 01 02:24:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U033122W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 13:50:29 2022
Response via : Initial Calibration

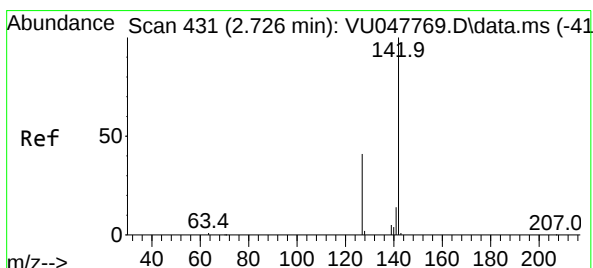
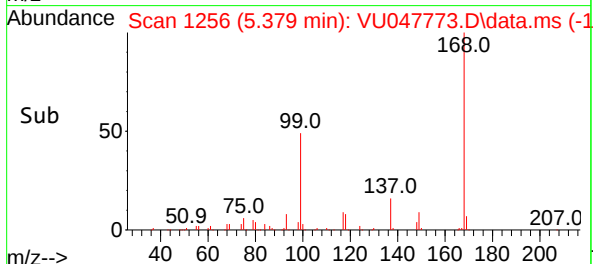
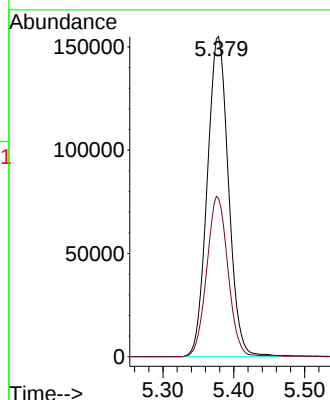
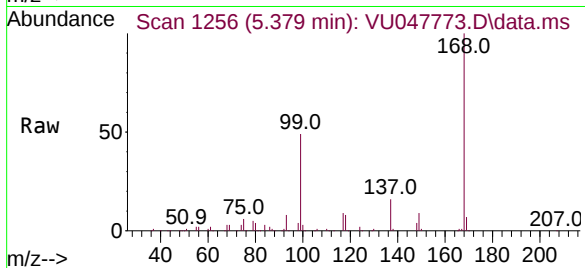




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

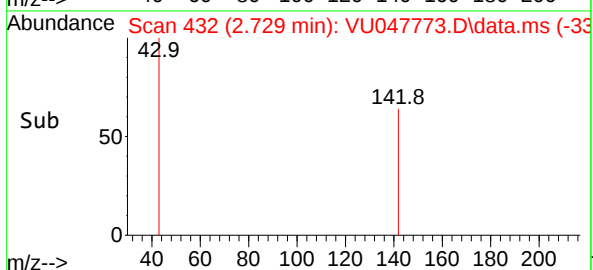
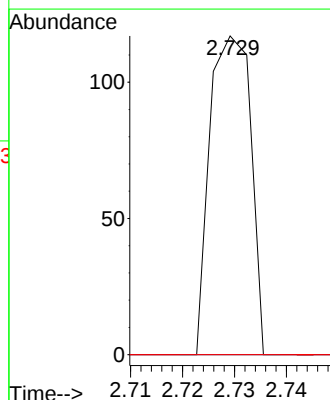
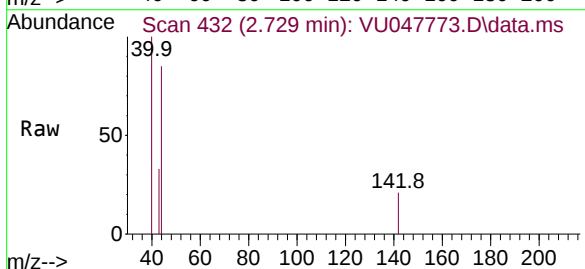
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

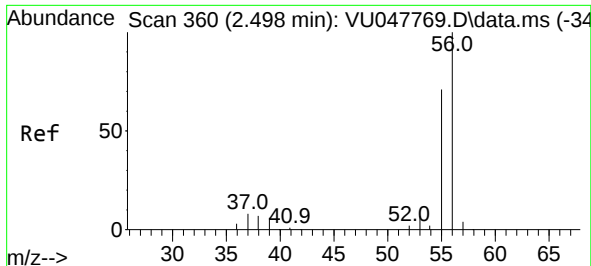
Tgt Ion:168 Resp: 322428
Ion Ratio Lower Upper
168 100
99 49.5 39.3 58.9



#10
Methyl Iodide
Concen: 1.973 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

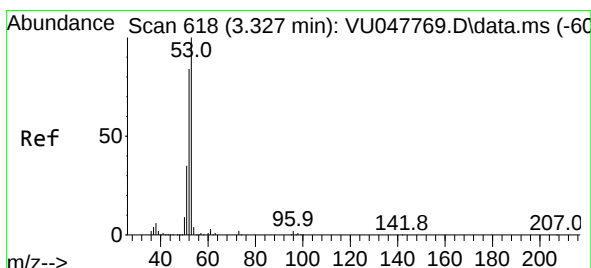
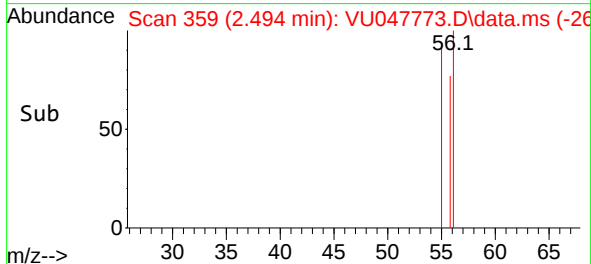
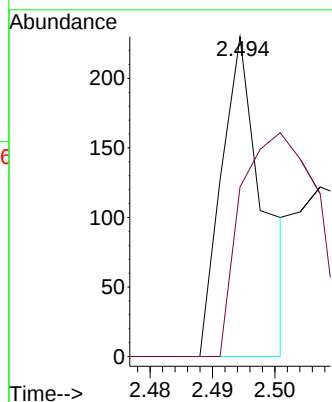
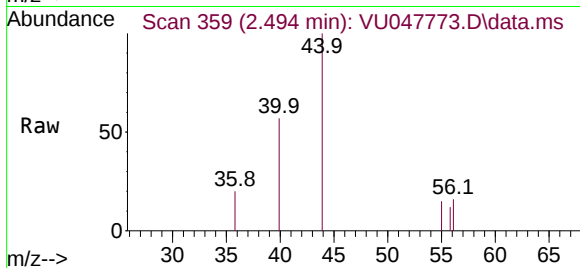




#13
Acrolein
Concen: 3.056 ug/l
RT: 2.494 min Scan# 31
Delta R.T. -0.004 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

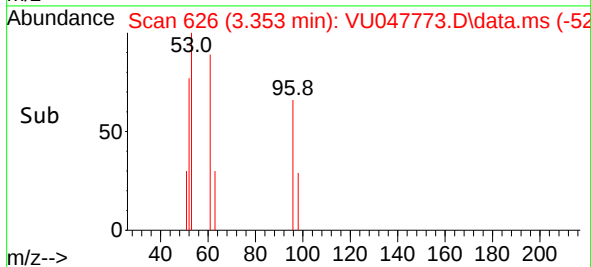
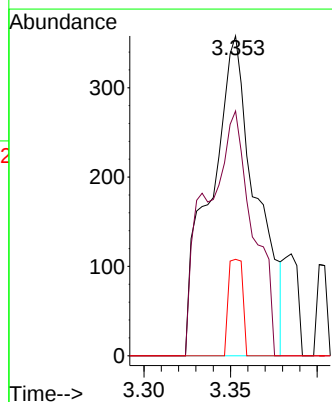
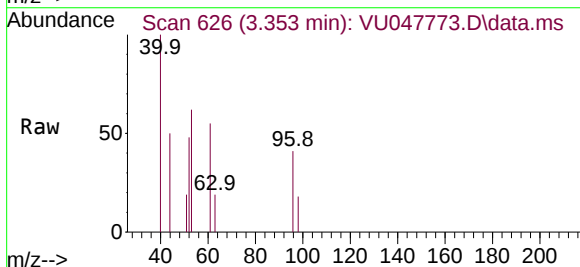
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

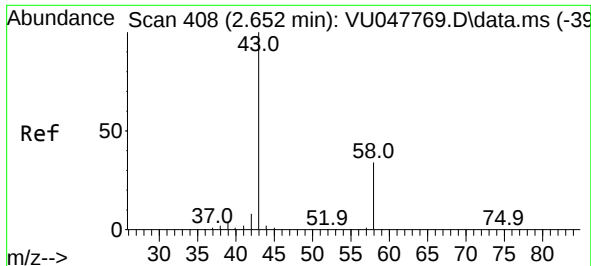
Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 123.1 56.6 85.0#



#15
Acrylonitrile
Concen: 0.283 ug/l
RT: 3.353 min Scan# 626
Delta R.T. 0.026 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 53 Resp: 657
Ion Ratio Lower Upper
53 100
52 53.7 65.7 98.5#
51 9.4 28.2 42.4#

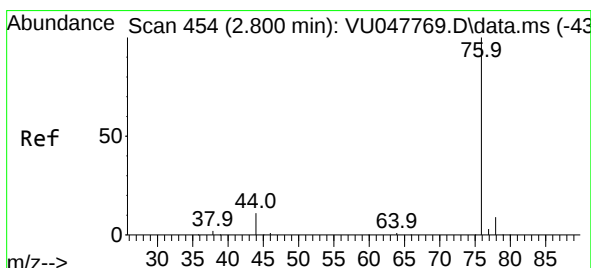
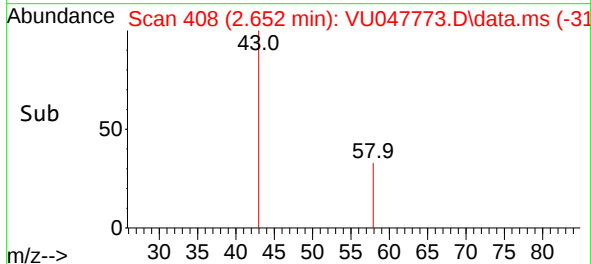
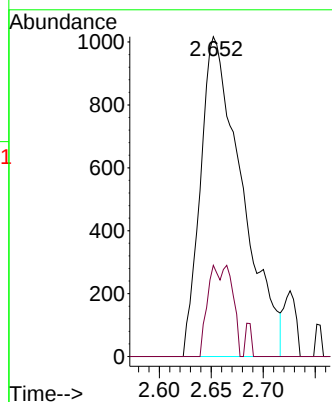
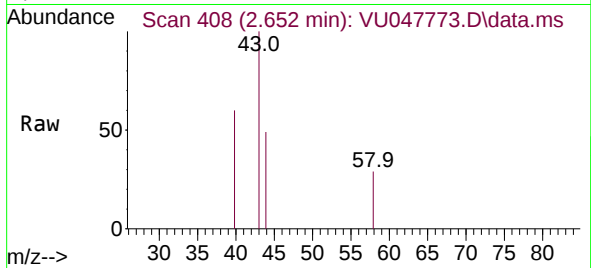




#16
Acetone
Concen: 1.115 ug/l
RT: 2.652 min Scan# 408
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

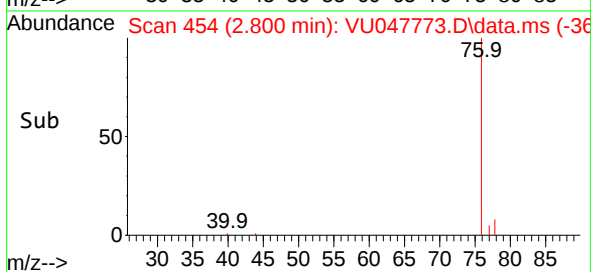
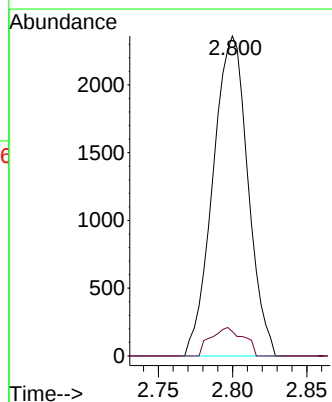
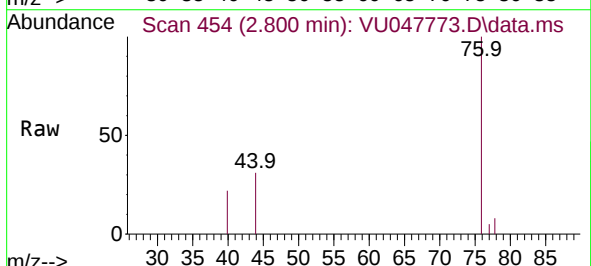
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

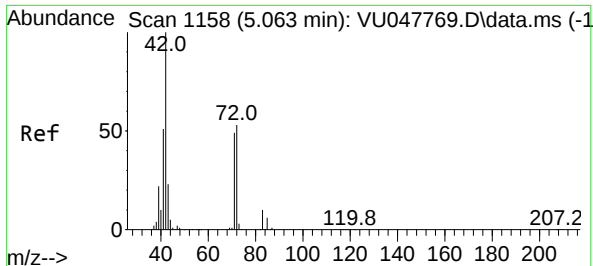
Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 28.5 27.5 41.3



#17
Carbon Disulfide
Concen: 0.426 ug/l
RT: 2.800 min Scan# 454
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 76 Resp: 3866
Ion Ratio Lower Upper
76 100
78 7.7 7.3 10.9

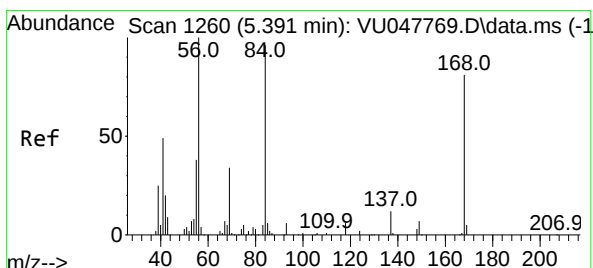
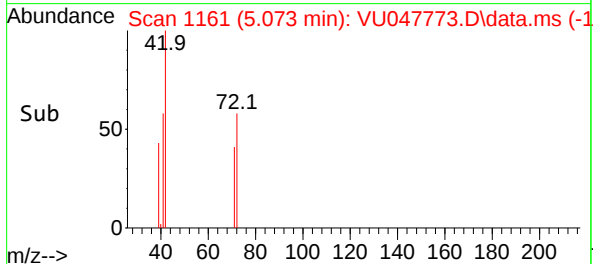
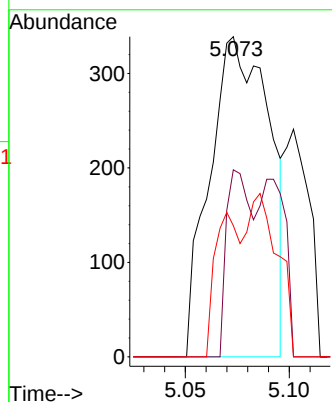
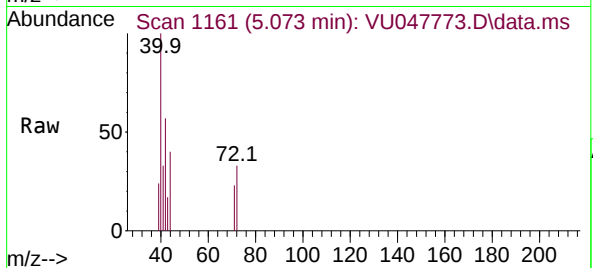




#29
Tetrahydrofuran
Concen: 0.344 ug/l
RT: 5.073 min Scan# 1158
Delta R.T. 0.010 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

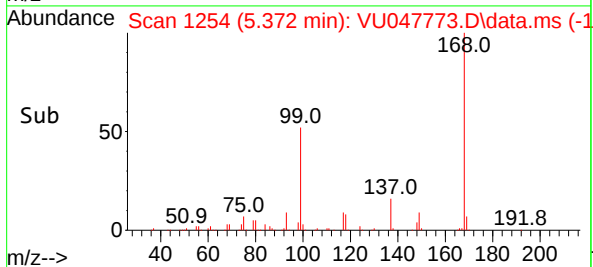
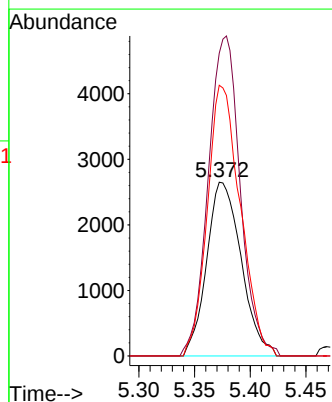
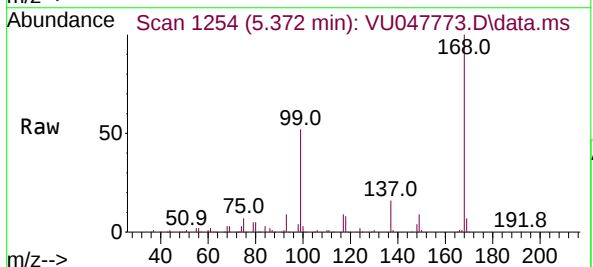
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

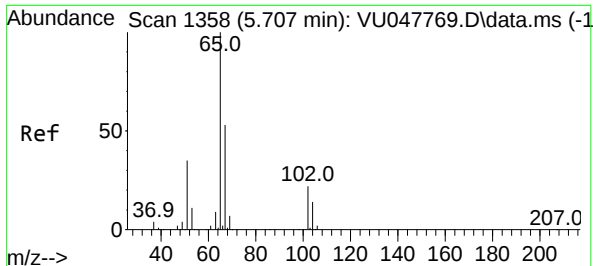
Tgt Ion:	42	Resp:	676
Ion	Ratio	Lower	Upper
42	100		
72	24.6	42.6	63.8#
71	18.6	40.3	60.5#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion:	56	Resp:	5711
Ion	Ratio	Lower	Upper
56	100		
69	174.2	27.8	41.8#
84	155.8	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 57.057 ug/l

RT: 5.707 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

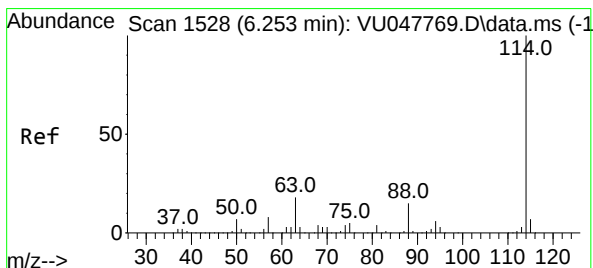
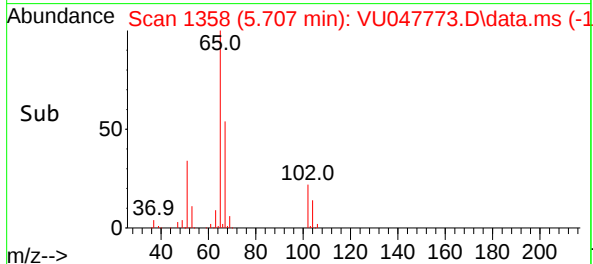
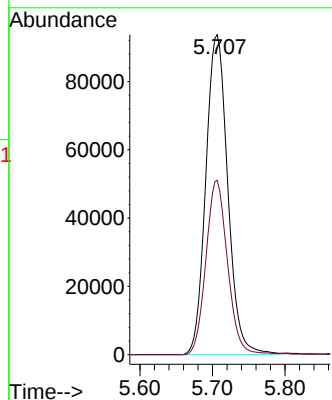
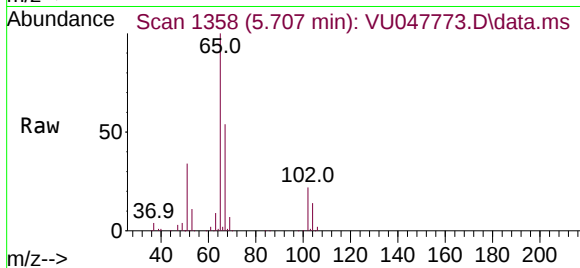
VU0331WBL01

Tgt Ion: 65 Resp: 197362

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

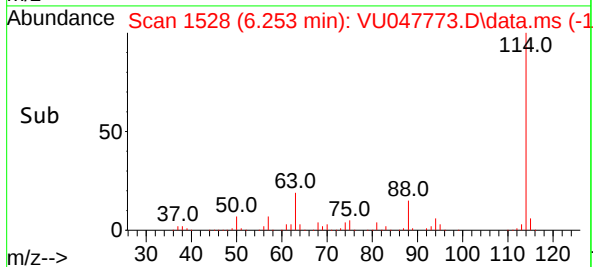
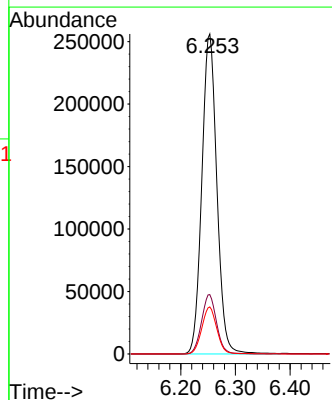
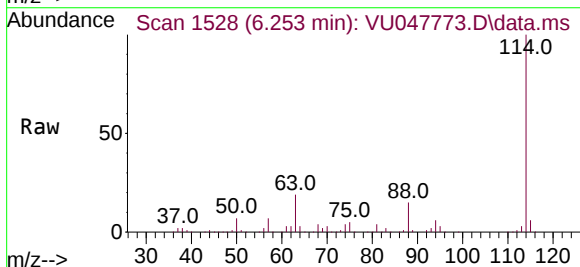
Tgt Ion: 114 Resp: 488151

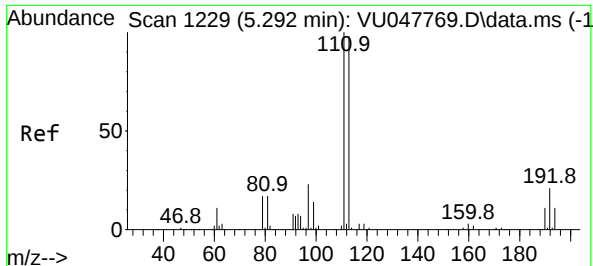
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 54.378 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBL01

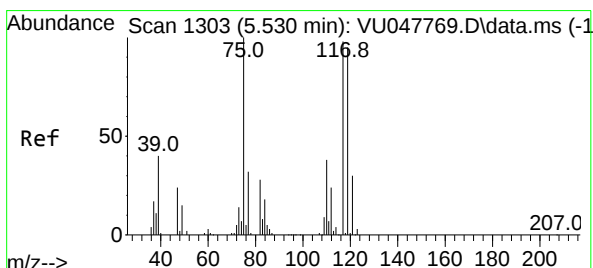
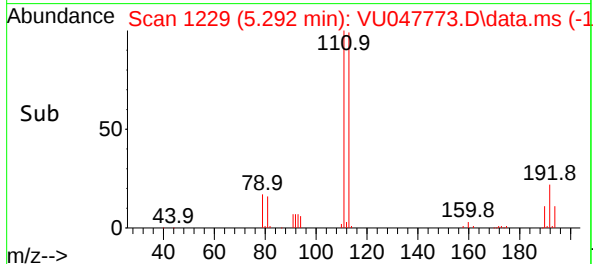
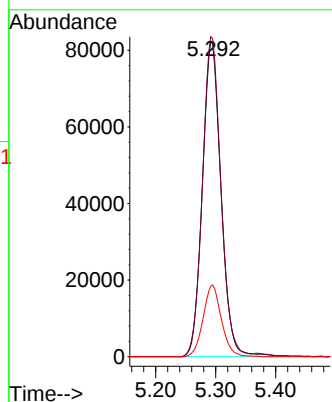
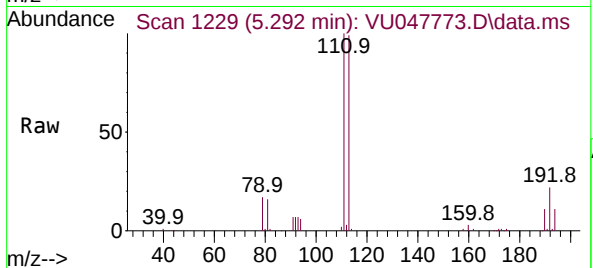
Tgt Ion:113 Resp: 178016

Ion Ratio Lower Upper

113 100

111 100.3 82.1 123.1

192 22.4 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.503 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

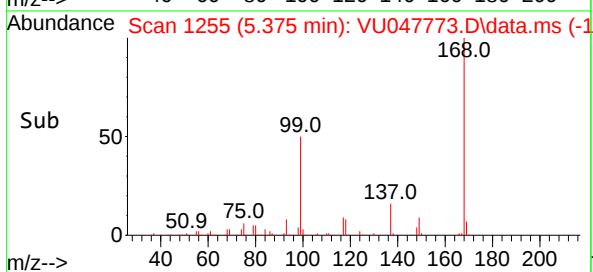
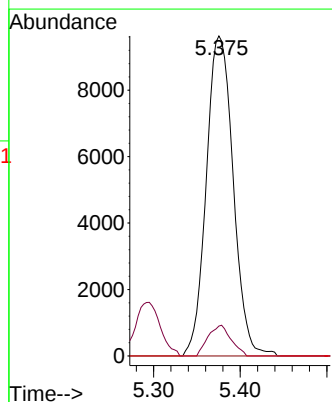
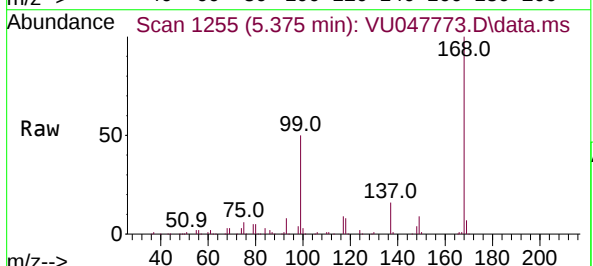
Tgt Ion: 75 Resp: 20813

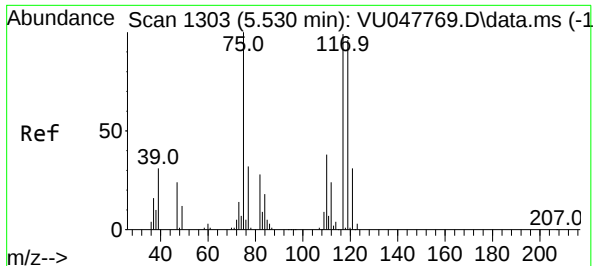
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 25.1 37.7#

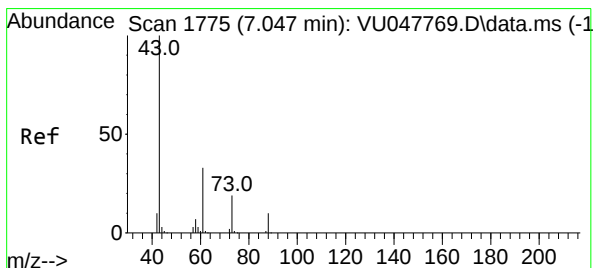
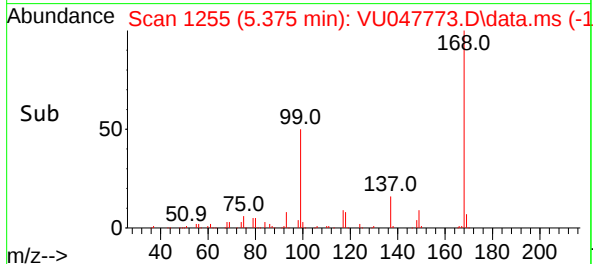
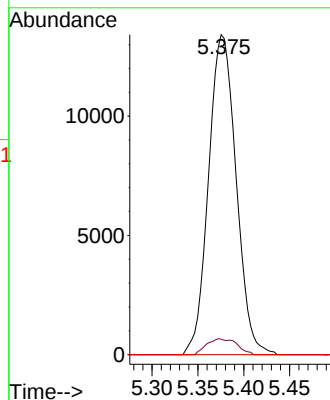
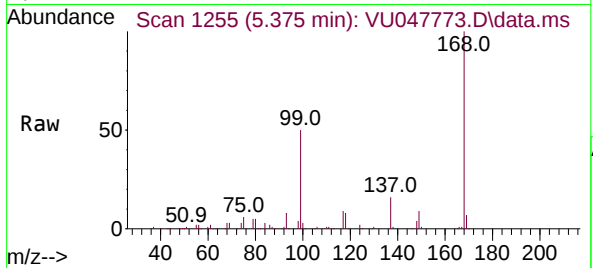




#38
Carbon Tetrachloride
Concen: 5.701 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

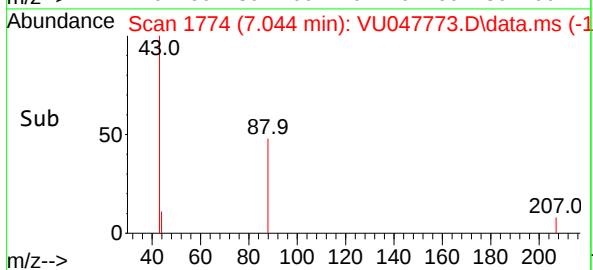
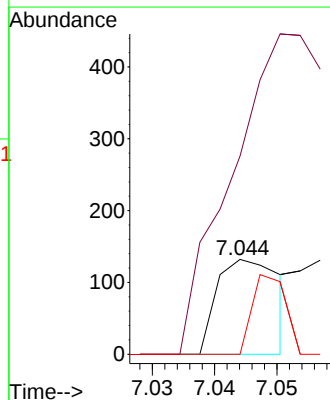
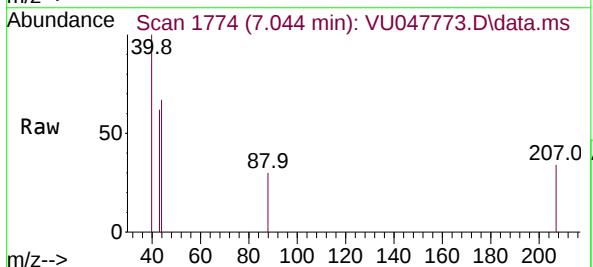
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

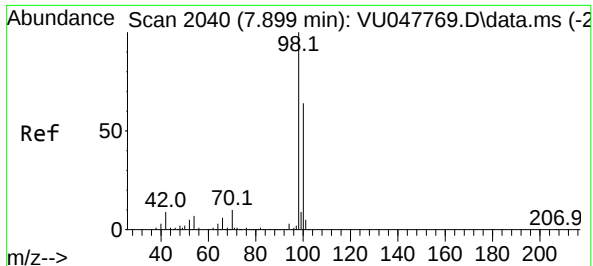
Tgt Ion:117 Resp: 28100
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.842 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. -0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 933.7 0.0 0.0#
58 44.6 15.4 23.0#

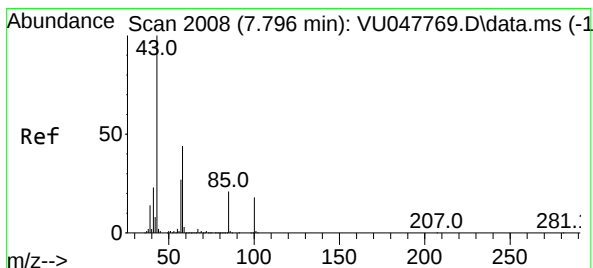
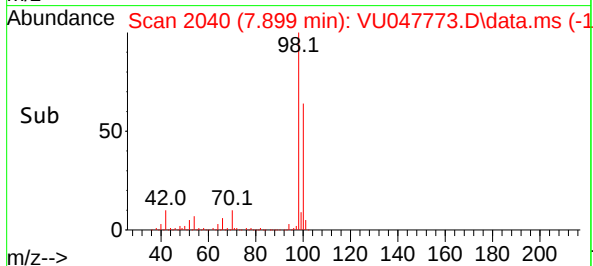
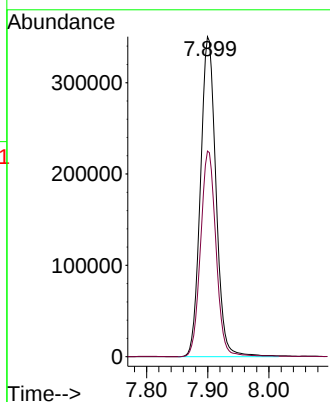
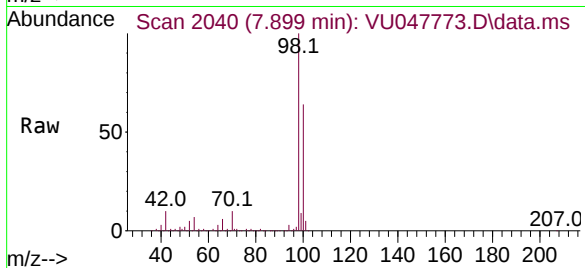




#50
Toluene-d8
Concen: 52.351 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

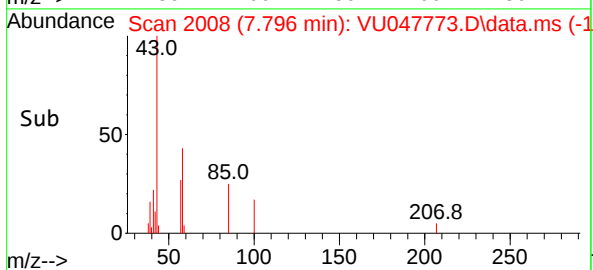
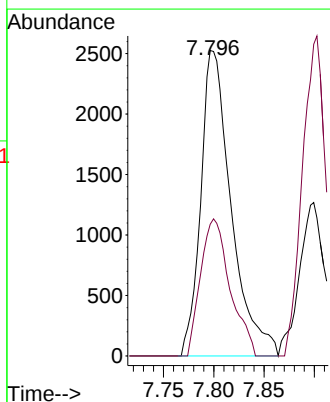
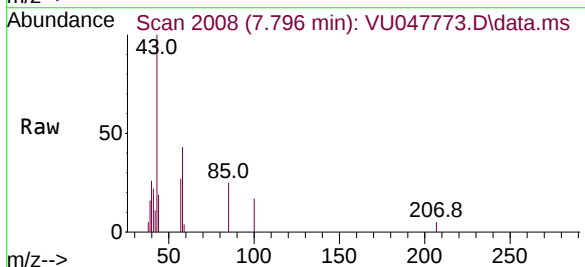
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

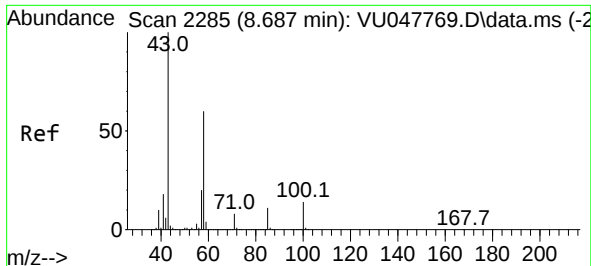
Tgt Ion: 98 Resp: 617427
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.930 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 43 Resp: 5320
Ion Ratio Lower Upper
43 100
58 43.5 34.7 52.1

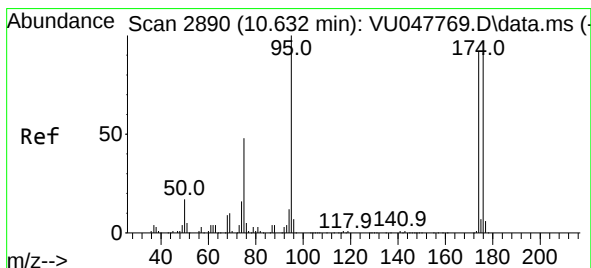
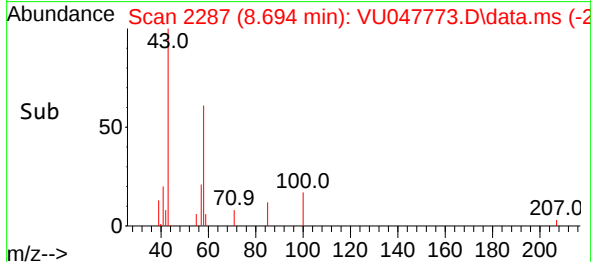
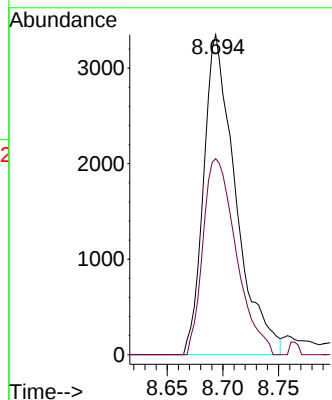
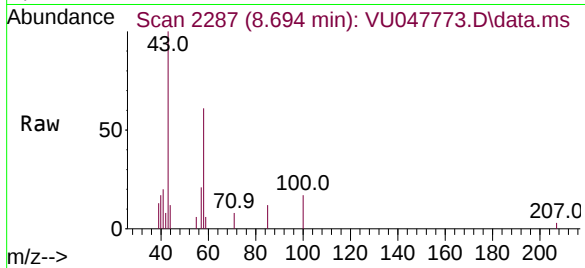




#59
2-Hexanone
Concen: 1.427 ug/l
RT: 8.694 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

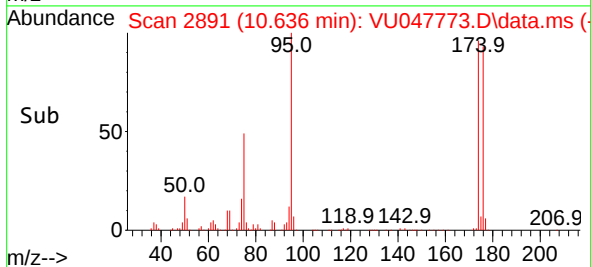
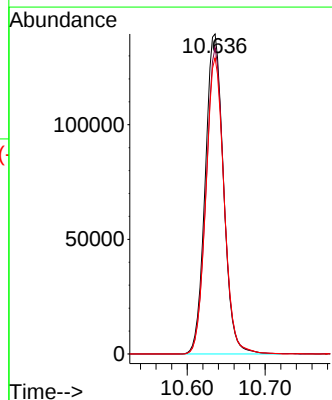
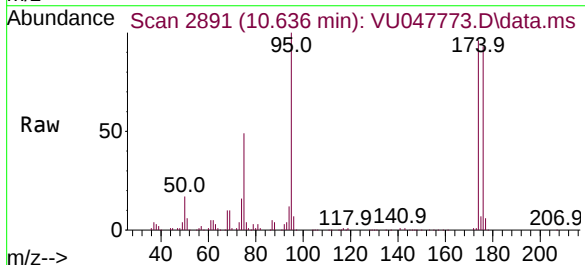
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

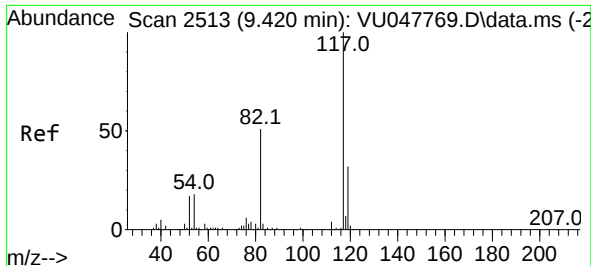
Tgt Ion: 43 Resp: 6693
Ion Ratio Lower Upper
43 100
58 63.5 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 49.498 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 95 Resp: 227356
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.0
176 92.1 0.0 177.8

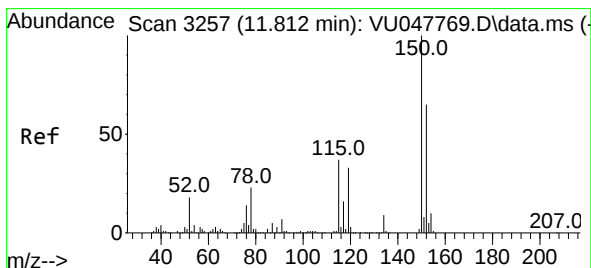
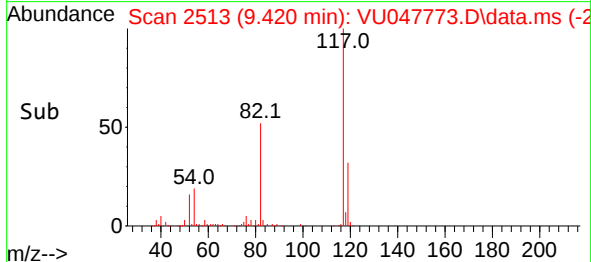
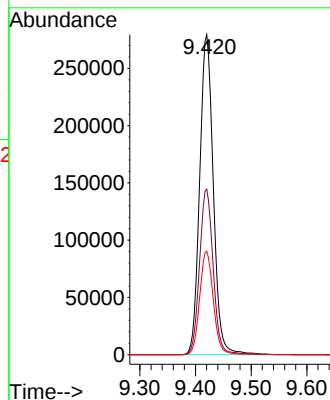
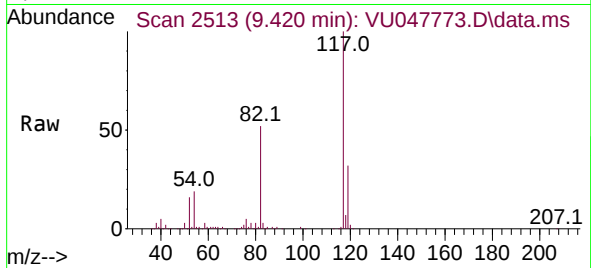




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

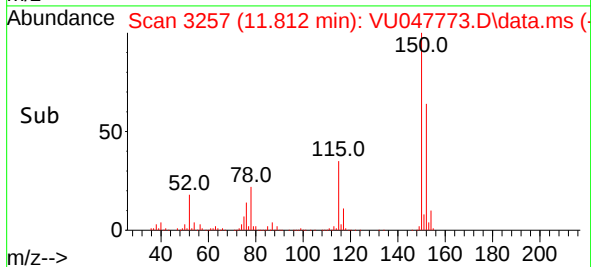
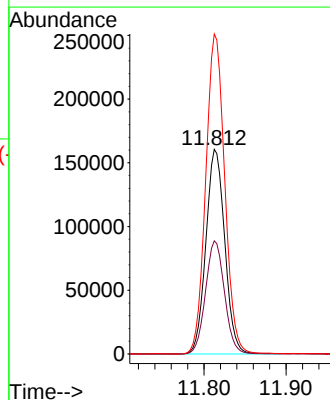
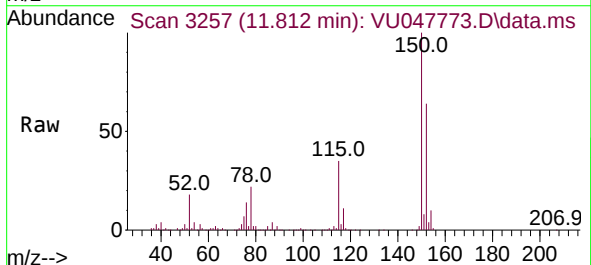
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

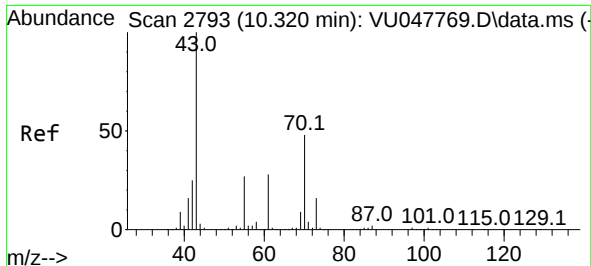
Tgt Ion:117 Resp: 475150
Ion Ratio Lower Upper
117 100
82 51.7 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion:152 Resp: 257129
Ion Ratio Lower Upper
152 100
115 55.4 37.0 110.9
150 157.1 0.0 342.2

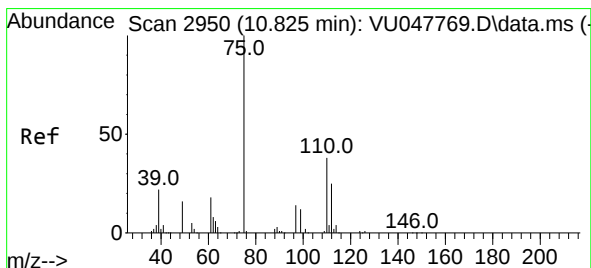
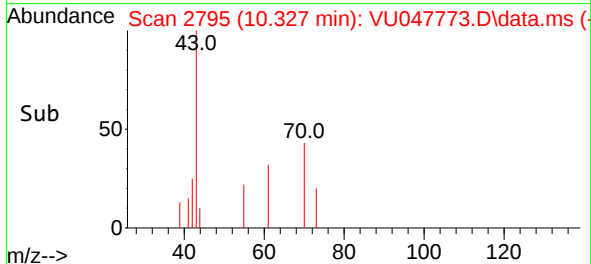
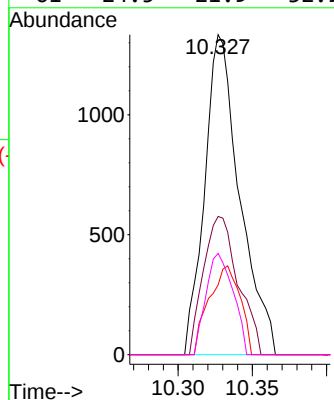
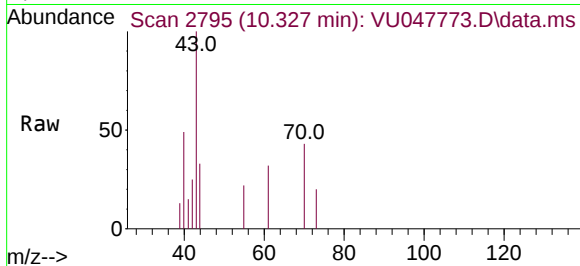




#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

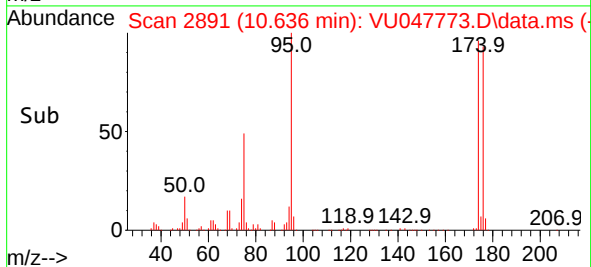
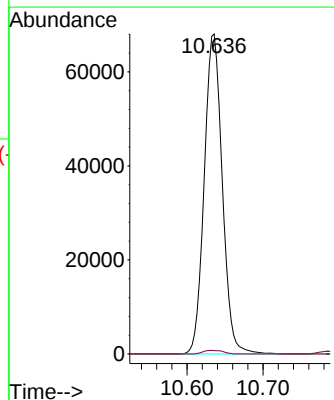
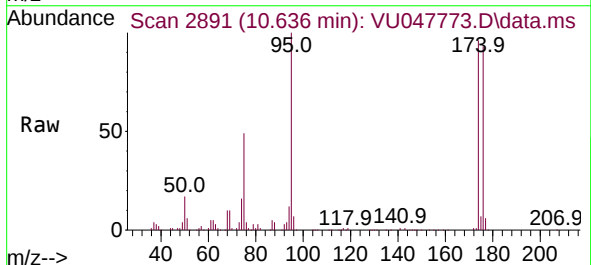
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

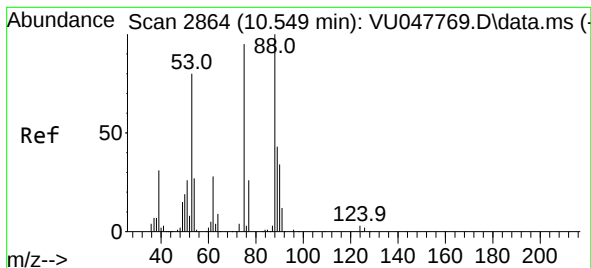
Tgt Ion: 43	Resp:	2190	
Ion	Ratio	Lower	Upper
43	100		
70	42.8	38.7	58.1
55	24.5	21.8	32.8
61	24.5	21.9	32.9



#76
1,2,3-Trichloropropane
Concen: 15.611 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 75	Resp: 112368
Ion Ratio	Lower Upper
75 100	
77 1.2	15.8 47.3#

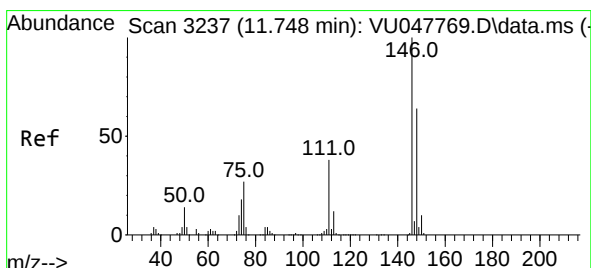
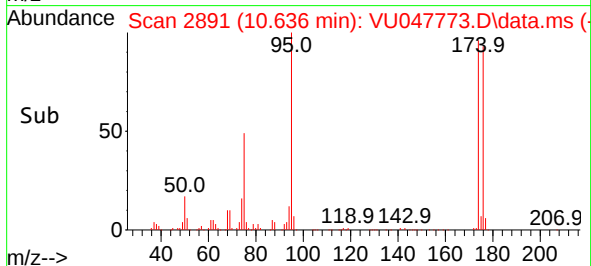
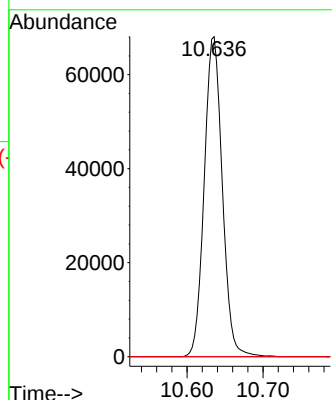
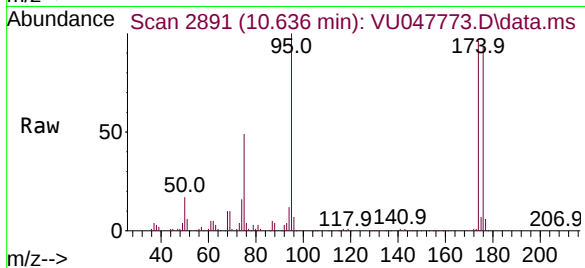




#81
trans-1,4-Dichloro-2-butene
Concen: 55.566 ug/l
RT: 10.636 min Scan# 211
Delta R.T. 0.087 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

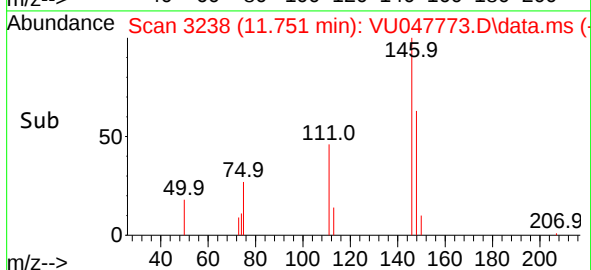
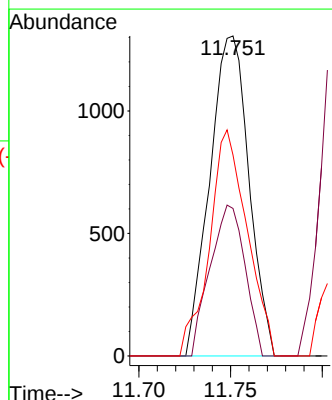
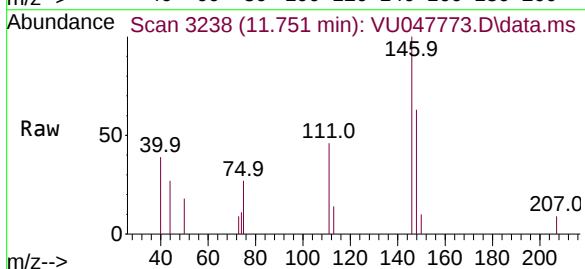
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

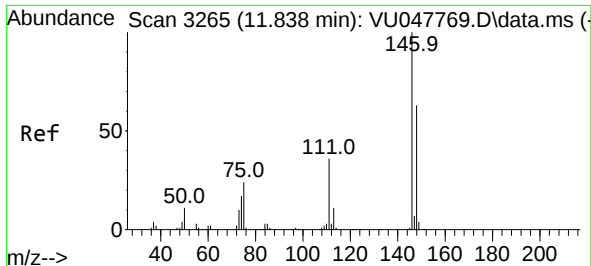
Tgt Ion: 75 Resp: 112368
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.225 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion:146 Resp: 1939
Ion Ratio Lower Upper
146 100
111 41.9 18.9 56.5
148 67.9 31.9 95.9

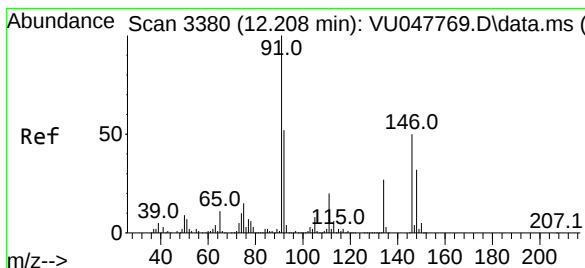
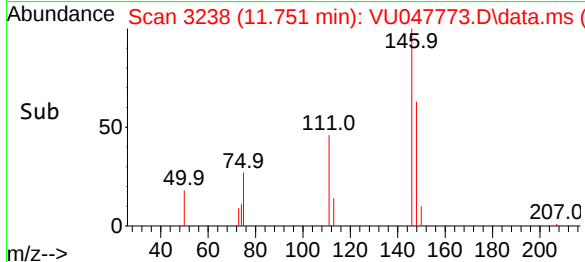
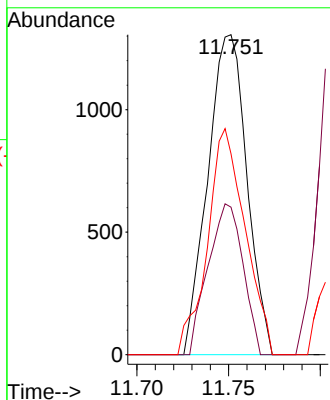
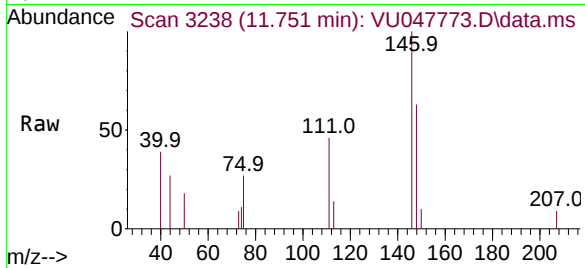




#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 11.751 min Scan# 31
Delta R.T. -0.087 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

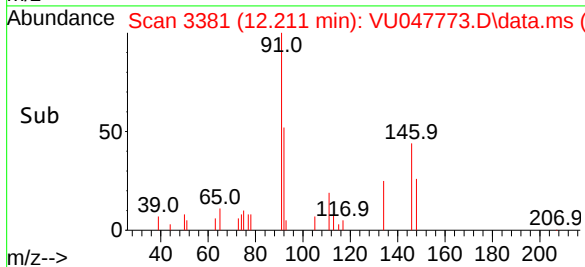
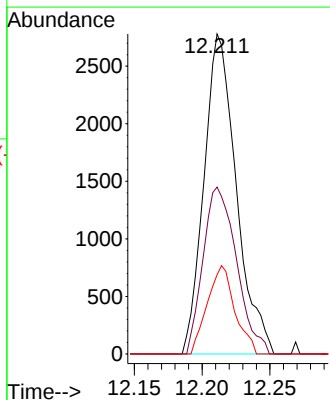
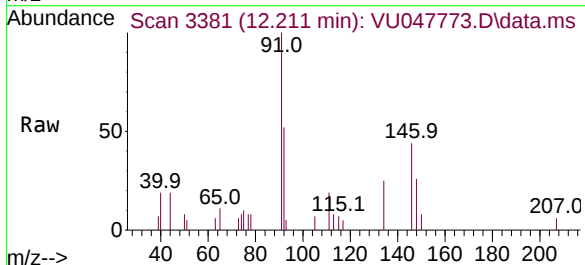
Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

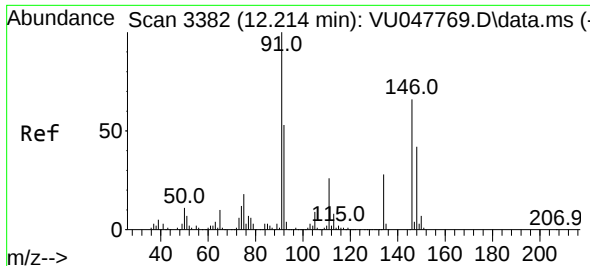
Tgt Ion:146 Resp: 1939
Ion Ratio Lower Upper
146 100
111 41.9 18.5 55.5
148 67.9 31.9 95.7



#89
n-Butylbenzene
Concen: 0.361 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion: 91 Resp: 4604
Ion Ratio Lower Upper
91 100
92 54.0 26.2 78.6
134 23.5 13.5 40.4

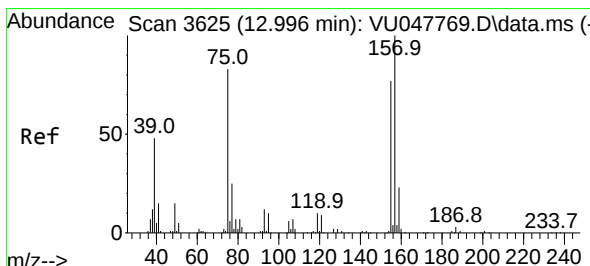
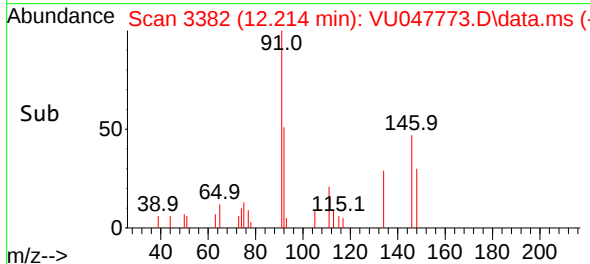
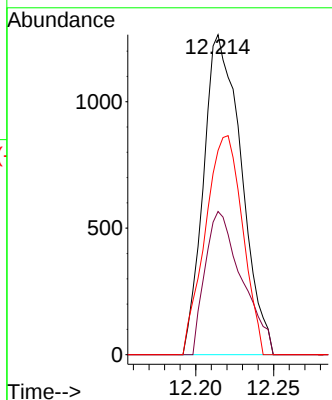
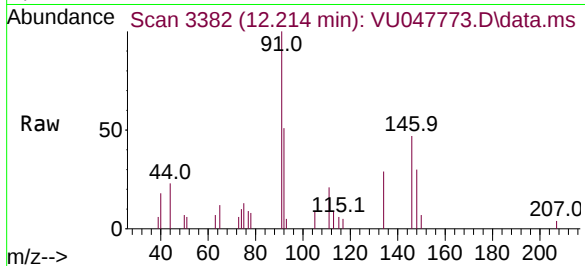




#91
 1,2-Dichlorobenzene
 Concen: 0.255 ug/l
 RT: 12.214 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047773.D
 Acq: 31 Mar 2022 15:12

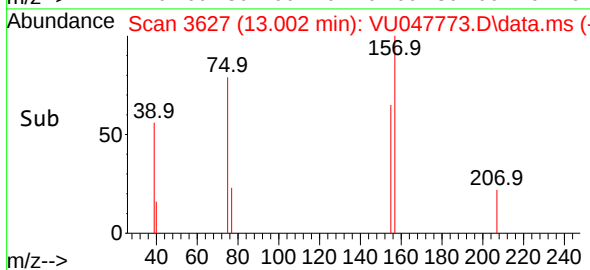
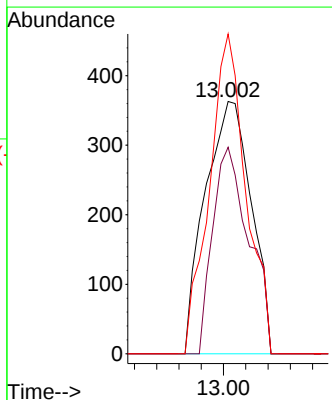
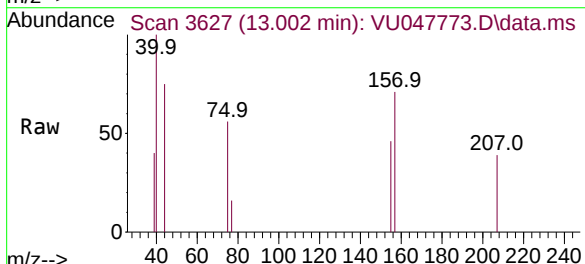
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0331WBL01

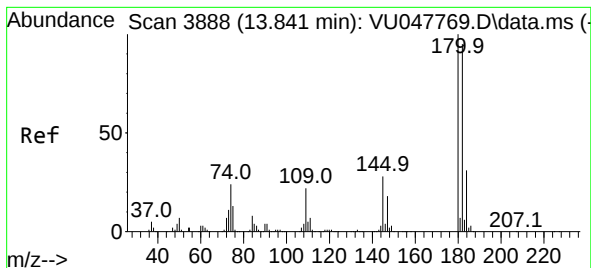
Tgt Ion:146 Resp: 2132
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.9 59.6
 148 67.6 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.334 ug/l
 RT: 13.002 min Scan# 3627
 Delta R.T. 0.006 min
 Lab File: VU047773.D
 Acq: 31 Mar 2022 15:12

Tgt Ion: 75 Resp: 523
 Ion Ratio Lower Upper
 75 100
 155 64.4 47.8 143.4
 157 100.4 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 0.837 ug/l

RT: 13.844 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

VU0331WBL01

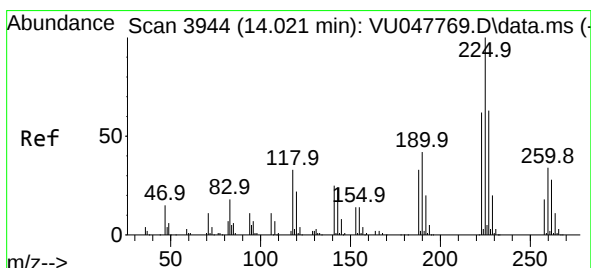
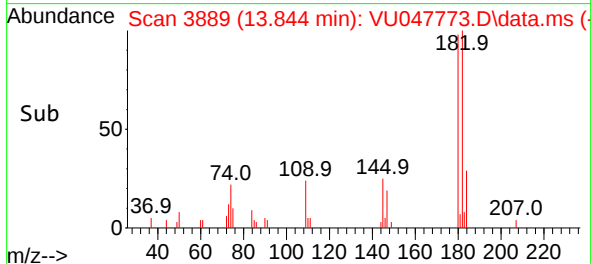
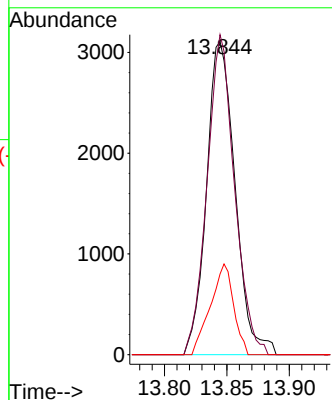
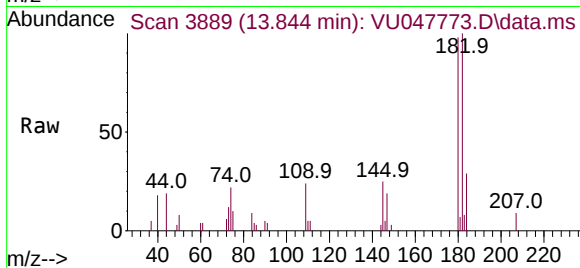
Tgt Ion:180 Resp: 4963

Ion Ratio Lower Upper

180 100

182 98.0 47.9 143.6

145 23.5 14.0 41.9



#94

Hexachlorobutadiene

Concen: 0.420 ug/l

RT: 14.021 min Scan# 3944

Delta R.T. -0.000 min

Lab File: VU047773.D

Acq: 31 Mar 2022 15:12

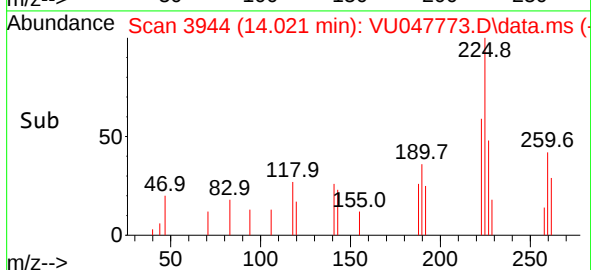
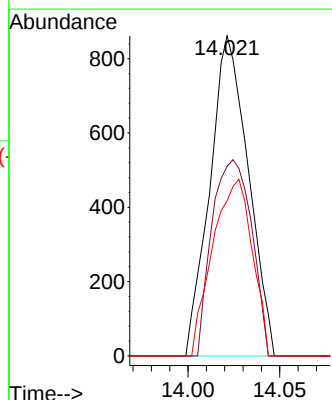
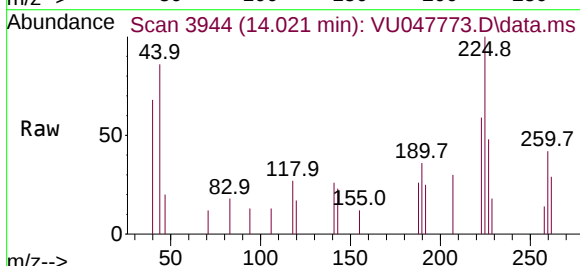
Tgt Ion:225 Resp: 1255

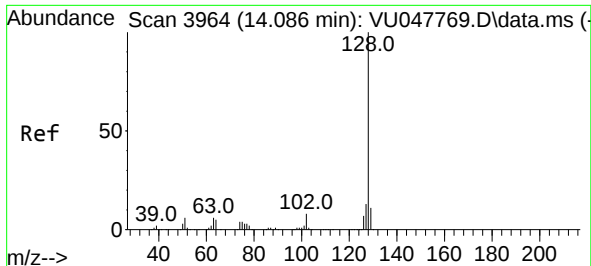
Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.9

227 56.7 32.0 96.2

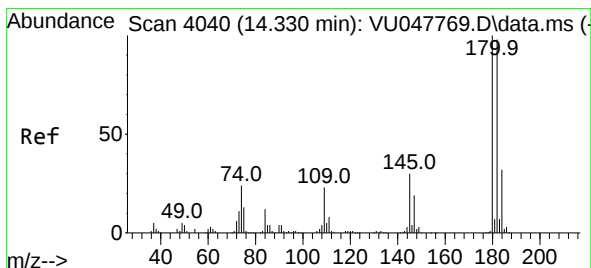
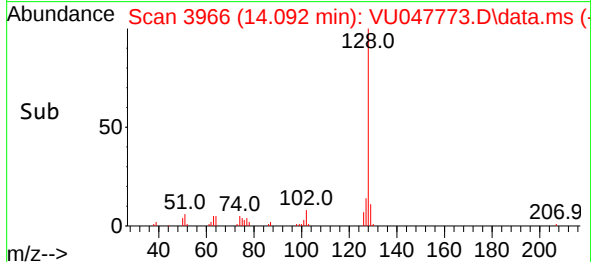
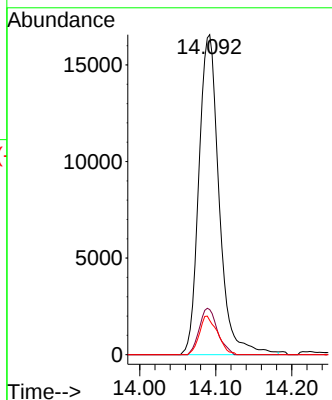
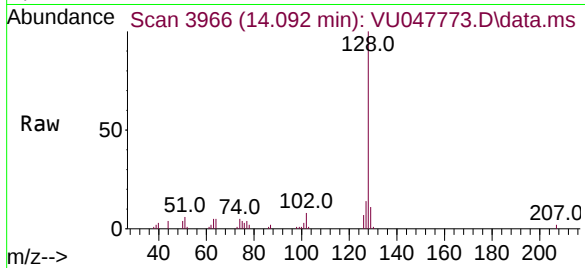




#95
Naphthalene
Concen: 1.734 ug/l
RT: 14.092 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Instrument :
MSVOA_U
ClientSampleId :
VU0331WBL01

Tgt Ion:128 Resp: 30639
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.947 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU047773.D
Acq: 31 Mar 2022 15:12

Tgt Ion:180 Resp: 5477
Ion Ratio Lower Upper
180 100
182 104.7 48.4 145.0
145 29.4 14.8 44.4

