

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049405.D
 Acq On : 27 Jun 2022 15:22
 Operator : SY/MD
 Sample : VU0627MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL01

Quant Time: Jun 27 19:05:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 14:37:12 2022
 Response via : Initial Calibration

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

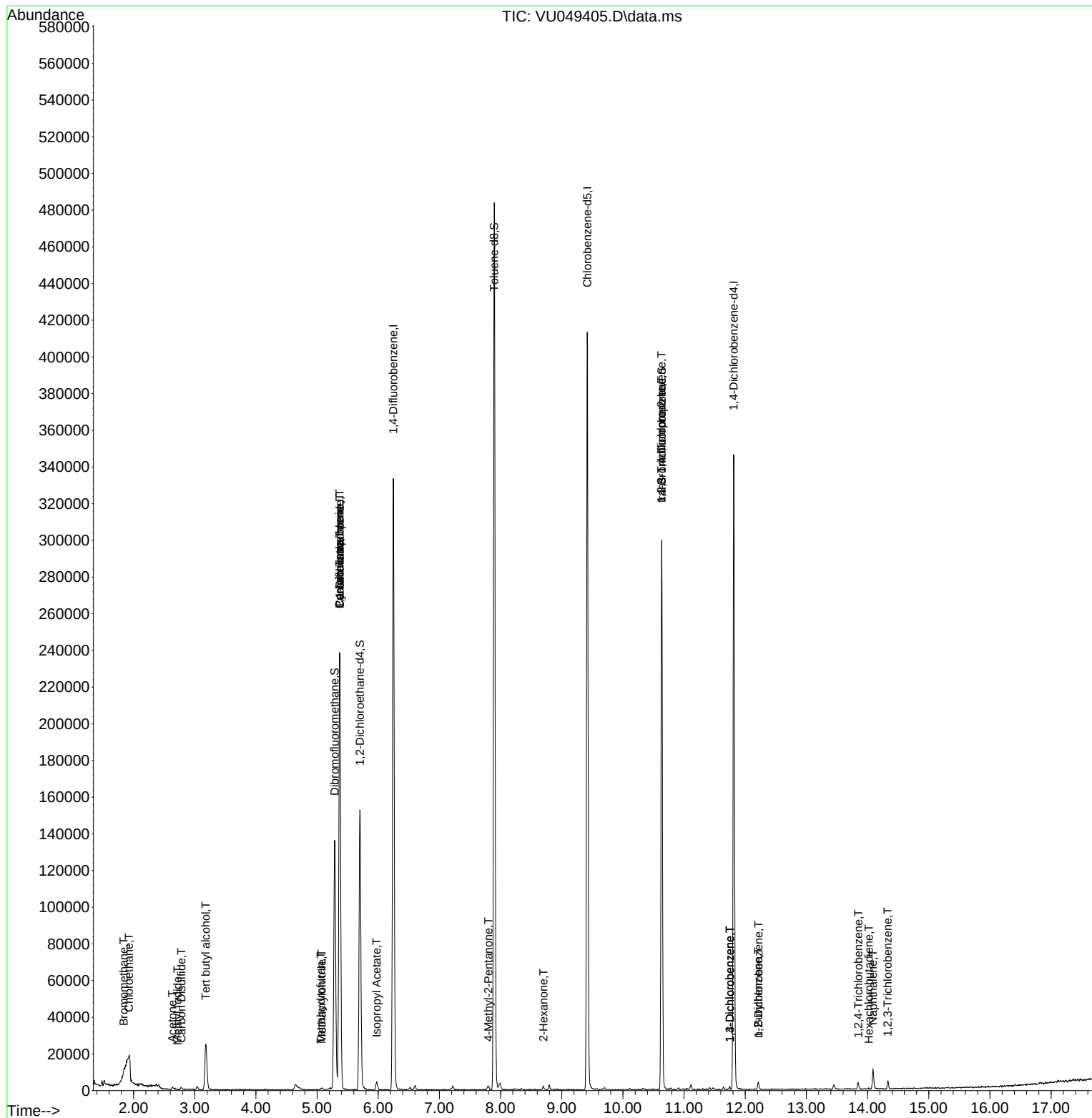
Internal Standards						
1) Pentafluorobenzene	5.369	168	159904	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.246	114	264351	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	219878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	89273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	114544	46.513	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.020%
35) Dibromofluoromethane	5.288	113	87246	47.174	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	7.896	98	319322	48.407	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.820%
62) 4-Bromofluorobenzene	10.635	95	101174	40.038	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.080%#
Target Compounds						
						Qvalue
5) Bromomethane	1.838	94	288	0.358	ug/l	85
6) Chloroethane	1.922	64	353	2.200	ug/l	# 44
10) Methyl Iodide	2.719	142	89	7.556	ug/l	# 69
11) Tert butyl alcohol	3.179	59	16764	29.084	ug/l	# 37
16) Acetone	2.636	43	1184	0.953	ug/l	97
17) Carbon Disulfide	2.780	76	1442	0.266	ug/l	# 88
20) Methylene Chloride	3.034	84	815	Below Cal	#	67
29) Tetrahydrofuran	5.063	42	376	0.294	ug/l	# 35
31) Cyclohexane	5.369	56	3585	0.970	ug/l	# 9
36) 1,1-Dichloropropene	5.369	75	14308	5.335	ug/l	# 47
38) Carbon Tetrachloride	5.369	117	16136	5.737	ug/l	# 16
41) Methacrylonitrile	5.076	41	491	0.267	ug/l	# 23
43) Isopropyl Acetate	5.973	43	1850	0.345	ug/l	# 58
51) 4-Methyl-2-Pentanone	7.799	43	1275	0.355	ug/l	# 63
59) 2-Hexanone	8.700	43	1747	0.618	ug/l	71
76) 1,2,3-Trichloropropane	10.632	75	53046	17.529	ug/l	# 46
81) trans-1,4-Dichloro-2-b...	10.632	75	53046	64.731	ug/l	# 15
87) 1,3-Dichlorobenzene	11.748	146	710	0.239	ug/l	89
88) 1,4-Dichlorobenzene	11.748	146	710	0.238	ug/l	89
89) n-Butylbenzene	12.211	91	2201	0.428	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	641	0.215	ug/l	83
93) 1,2,4-Trichlorobenzene	13.847	180	1330	2.395	ug/l	83
94) Hexachlorobutadiene	14.021	225	227	0.245	ug/l	68
95) Naphthalene	14.089	128	9637	3.067	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	1553	1.914	ug/l	96

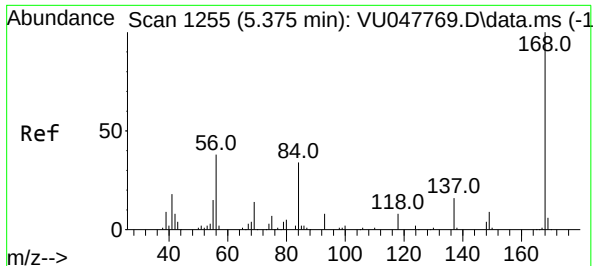
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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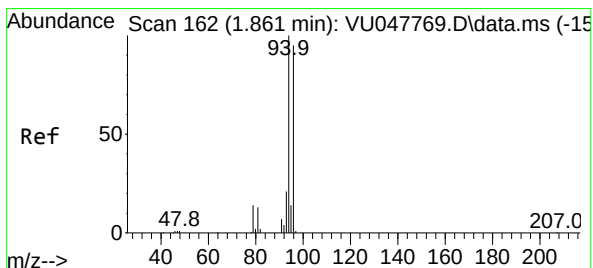
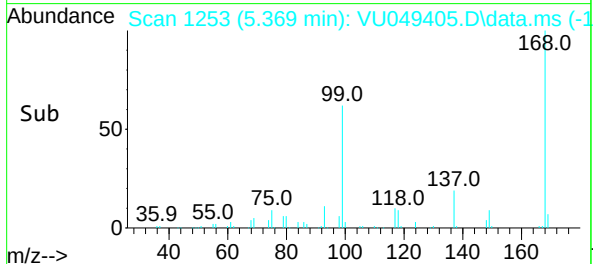
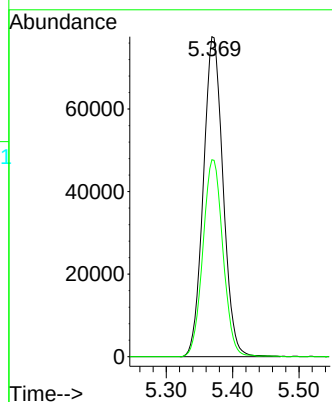
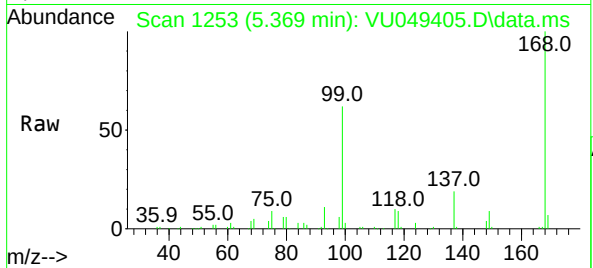




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

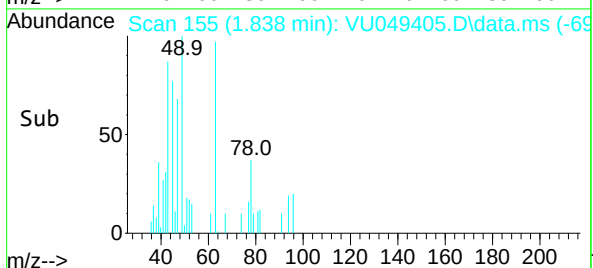
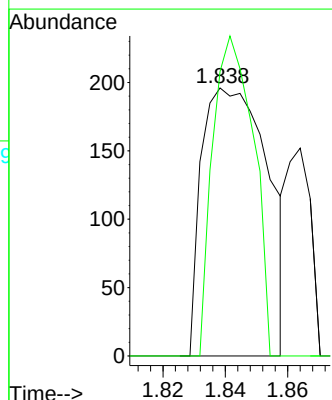
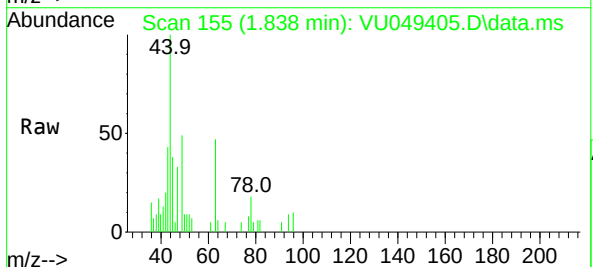
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

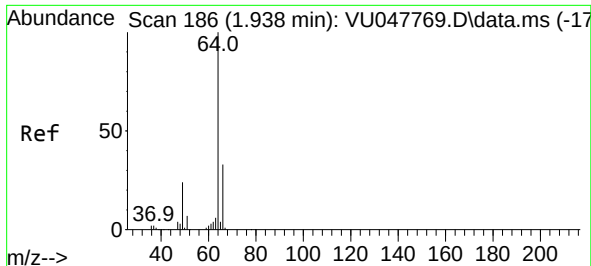
Tgt Ion:168 Resp: 159904
Ion Ratio Lower Upper
168 100
99 61.6 39.3 58.9#



#5
Bromomethane
Concen: 0.358 ug/l
RT: 1.838 min Scan# 155
Delta R.T. -0.023 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 106.1 73.7 110.5

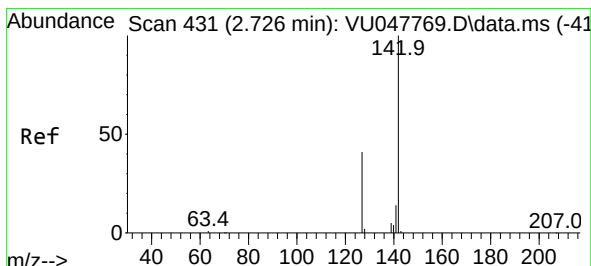
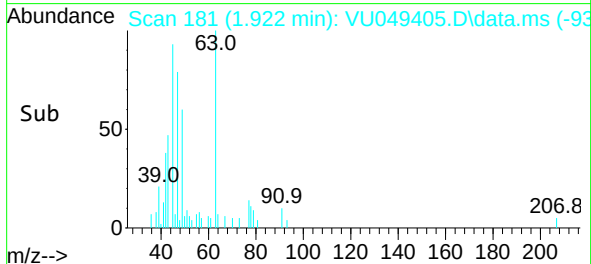
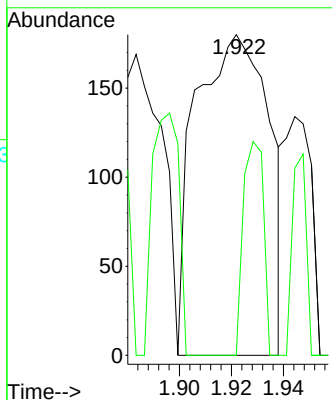
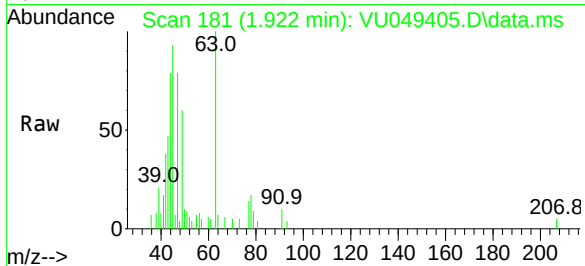




#6
Chloroethane
Concen: 2.200 ug/l
RT: 1.922 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

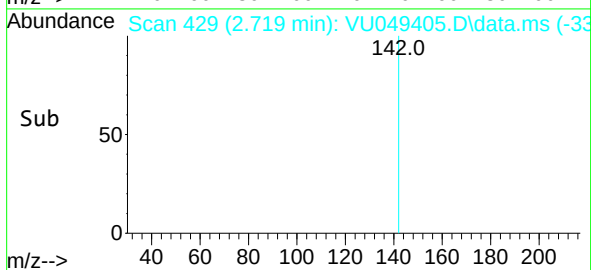
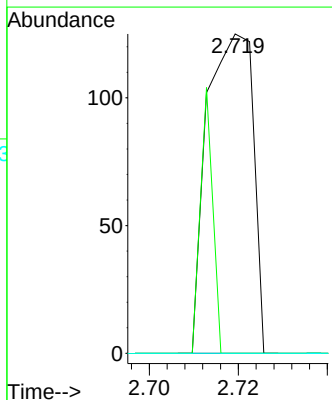
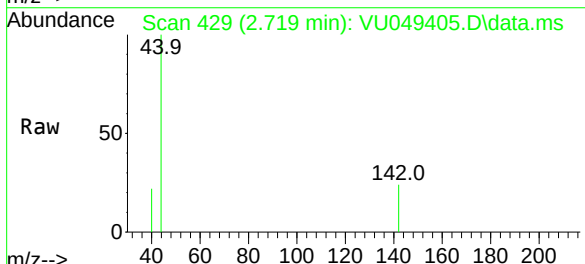
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

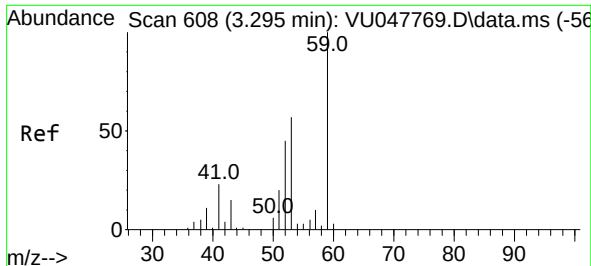
Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.556 ug/l
RT: 2.719 min Scan# 429
Delta R.T. -0.007 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 142 Resp: 89
Ion Ratio Lower Upper
142 100
127 22.5 32.5 48.7#
141 0.0 11.4 17.0#

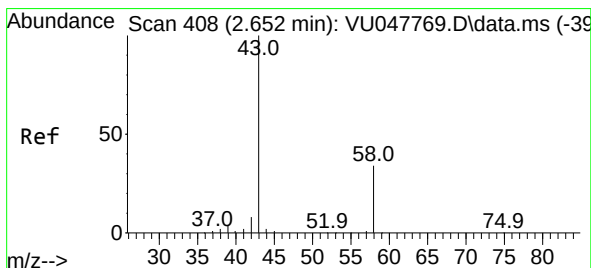
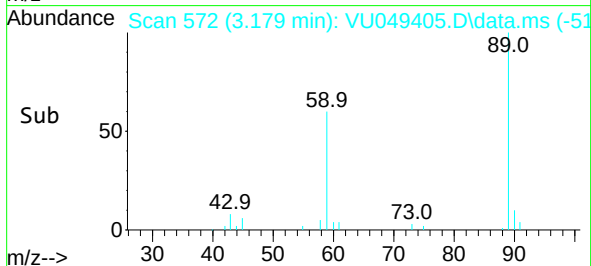
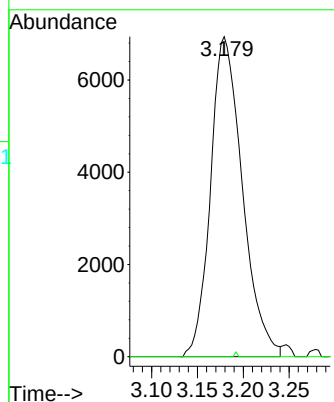
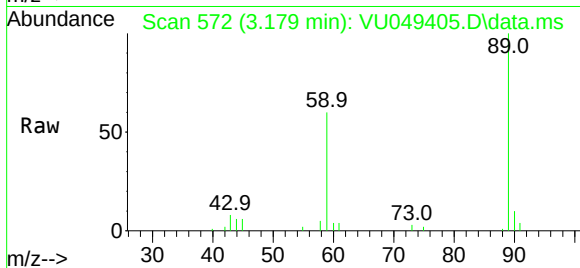




#11
Tert butyl alcohol
Concen: 29.084 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.116 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

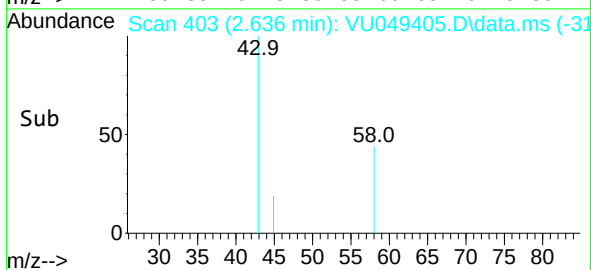
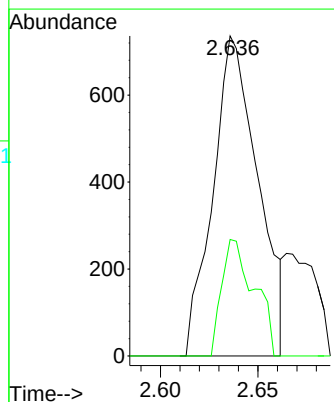
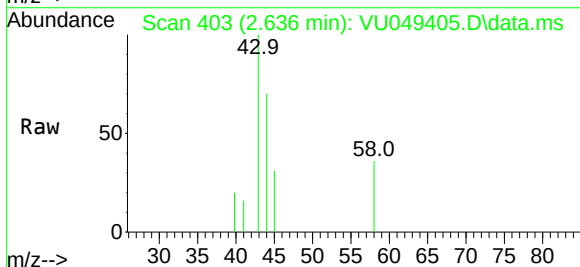
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

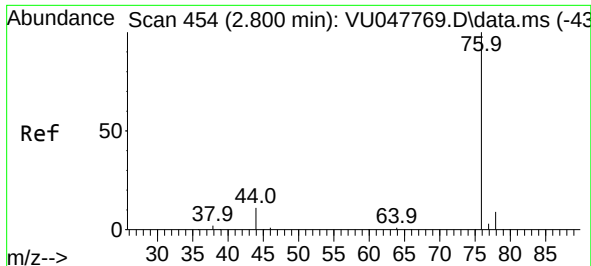
Tgt Ion: 59 Resp: 16764
Ion Ratio Lower Upper
59 100
57 0.1 30.6 45.8#



#16
Acetone
Concen: 0.953 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.016 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

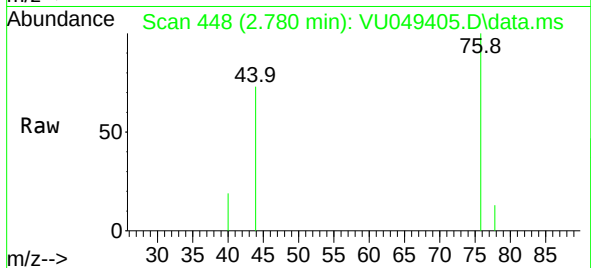
Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 36.4 27.5 41.3



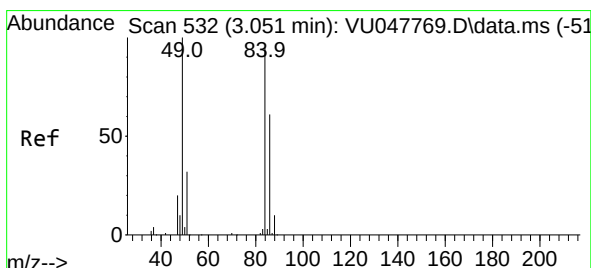
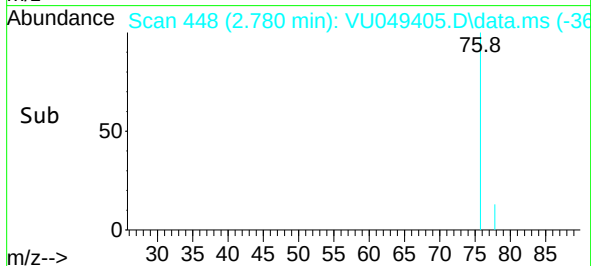
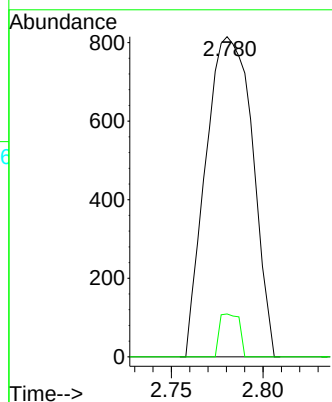


#17
Carbon Disulfide
Concen: 0.266 ug/l
RT: 2.780 min Scan# 41
Delta R.T. -0.020 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

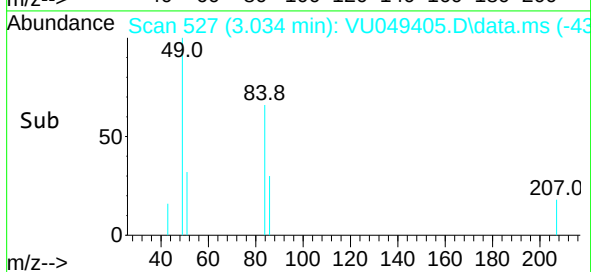
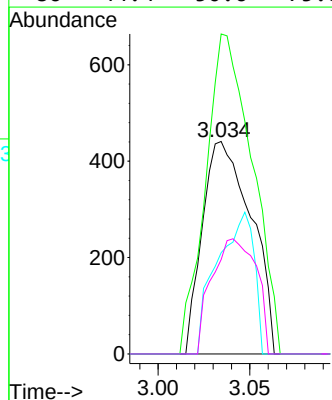
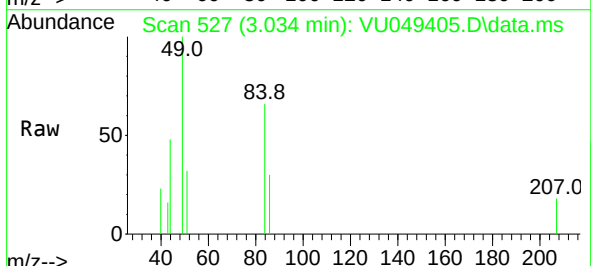


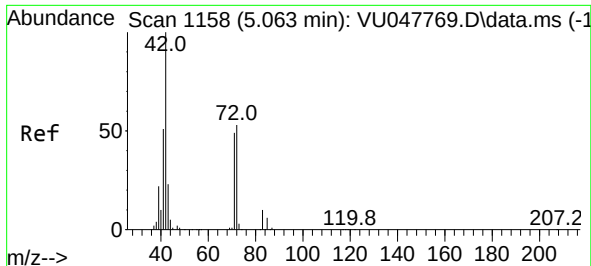
Tgt Ion: 76 Resp: 1442
Ion Ratio Lower Upper
76 100
78 13.4 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.034 min Scan# 527
Delta R.T. -0.017 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 84 Resp: 815
Ion Ratio Lower Upper
84 100
49 150.6 86.6 129.8#
51 47.6 26.6 40.0#
86 44.4 50.6 75.8#





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. -0.000 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01

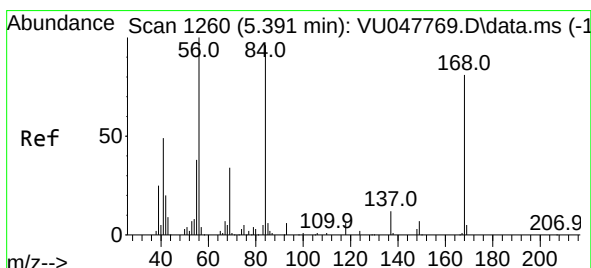
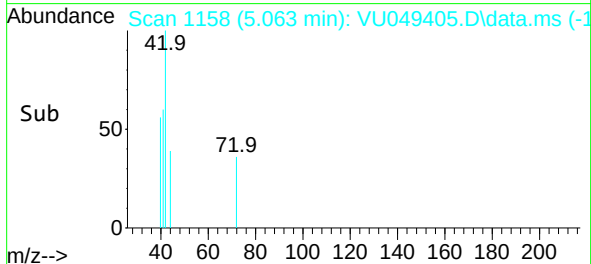
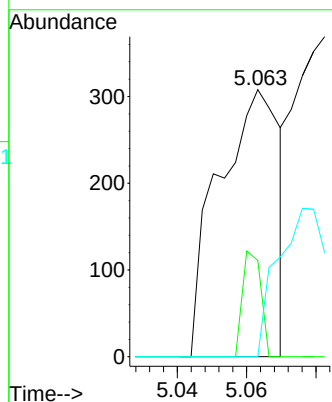
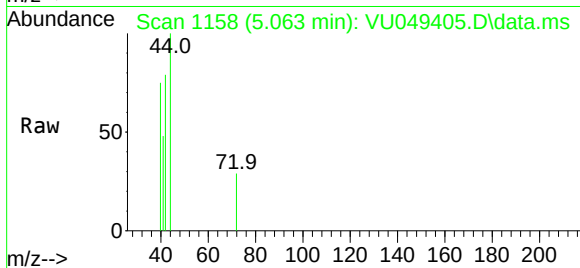
Tgt Ion: 42 Resp: 376

Ion Ratio Lower Upper

42 100

72 12.0 42.6 63.8#

71 0.0 40.3 60.5#



#31

Cyclohexane

Concen: 0.970 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

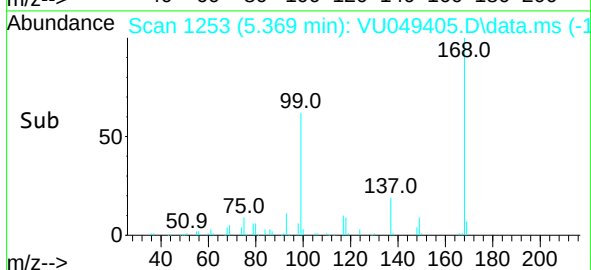
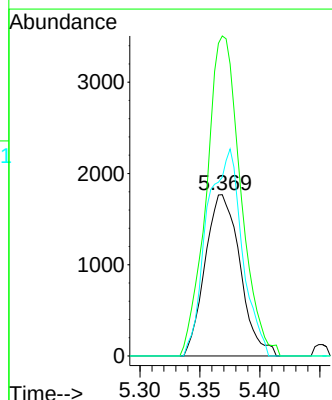
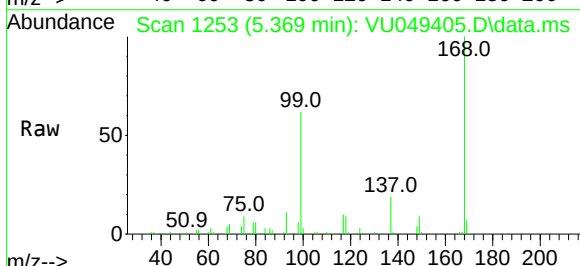
Tgt Ion: 56 Resp: 3585

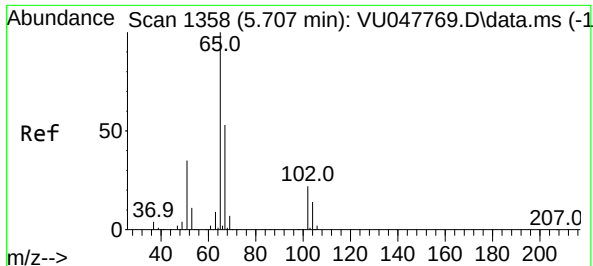
Ion Ratio Lower Upper

56 100

69 198.5 27.8 41.8#

84 110.8 74.2 111.4





#33

1,2-Dichloroethane-d4

Concen: 46.513 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.007 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

Instrument :

MSVOA_U

ClientSampleId :

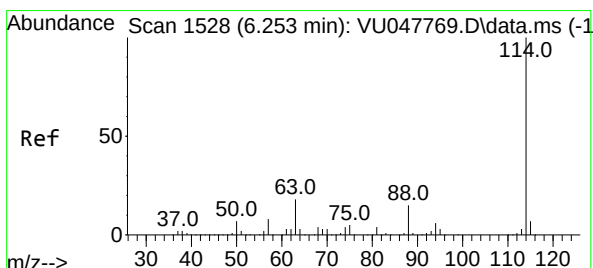
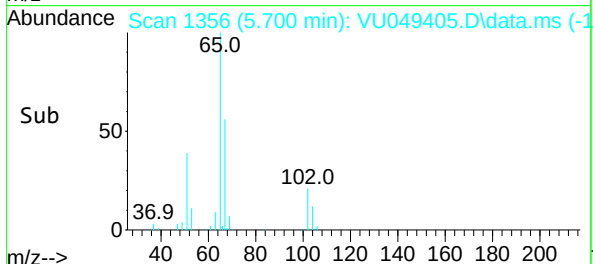
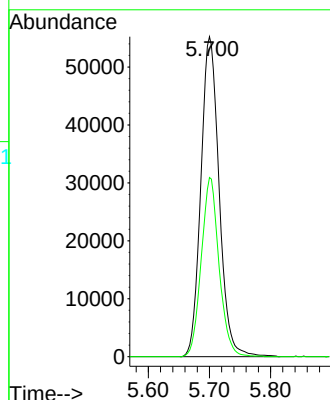
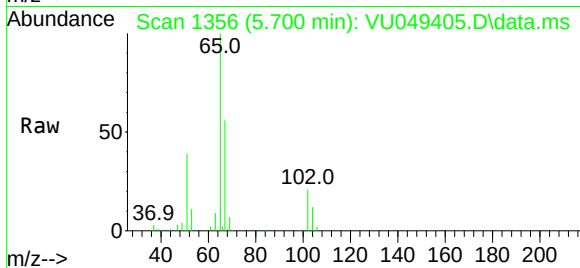
VU0627MBL01

Tgt Ion: 65 Resp: 114544

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.246 min Scan# 1526

Delta R.T. -0.007 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

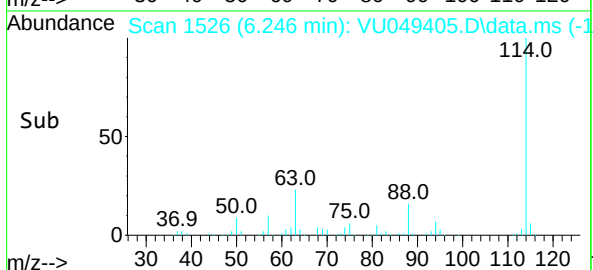
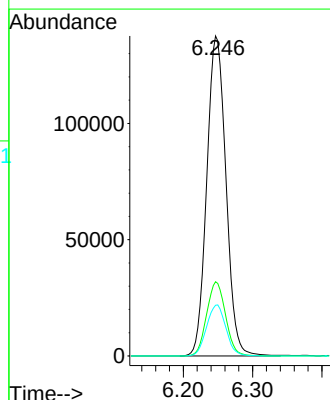
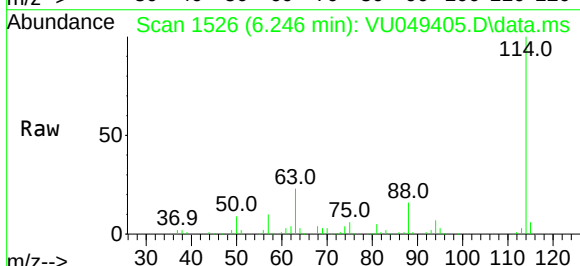
Tgt Ion: 114 Resp: 264351

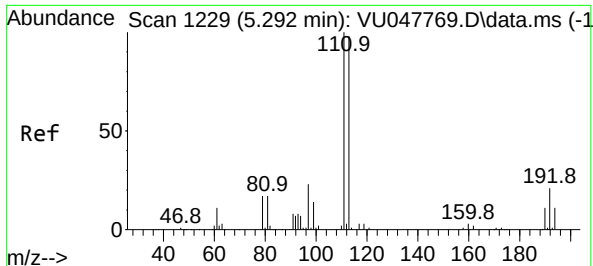
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

88 15.8 0.0 29.2

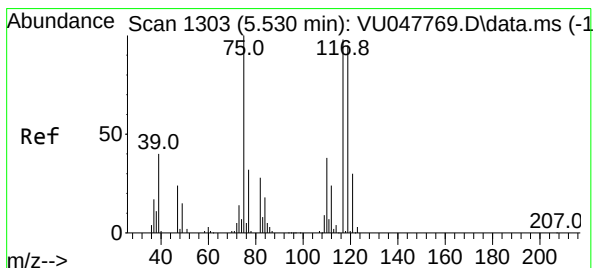
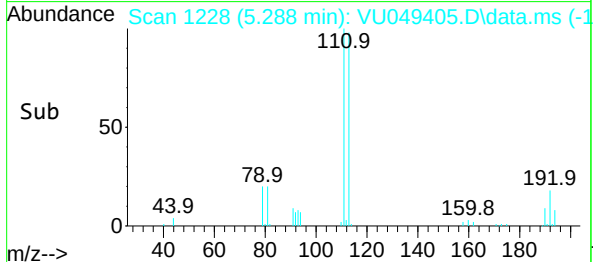
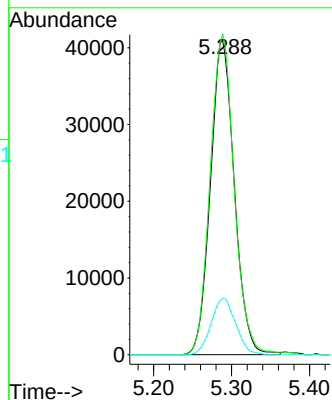
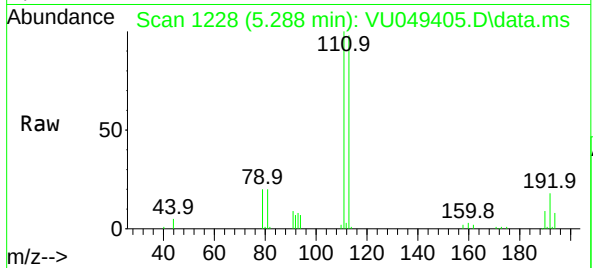




#35
Dibromofluoromethane
Concen: 47.174 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

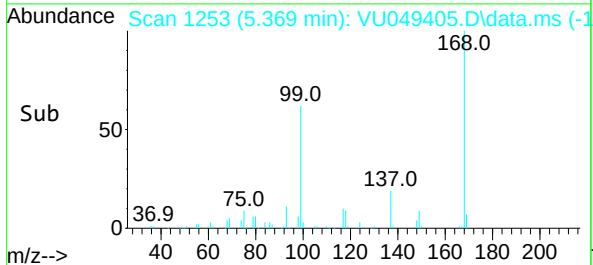
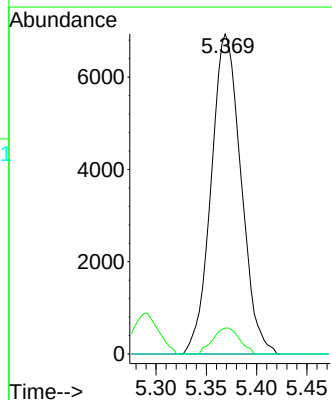
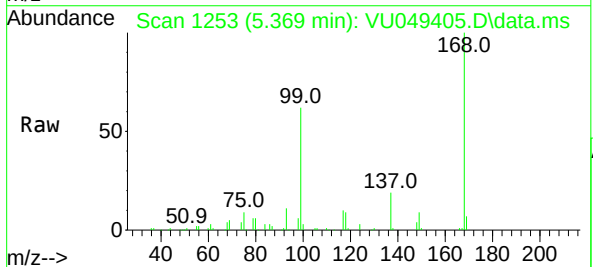
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

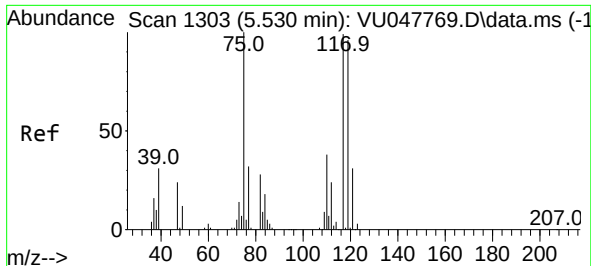
Tgt Ion:113 Resp: 87246
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 18.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 5.335 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.161 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

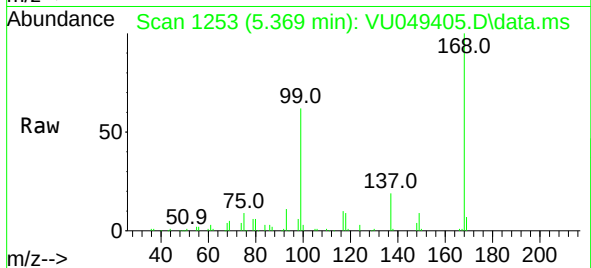
Tgt Ion: 75 Resp: 14308
Ion Ratio Lower Upper
75 100
110 7.3 18.4 55.2#
77 0.0 25.1 37.7#



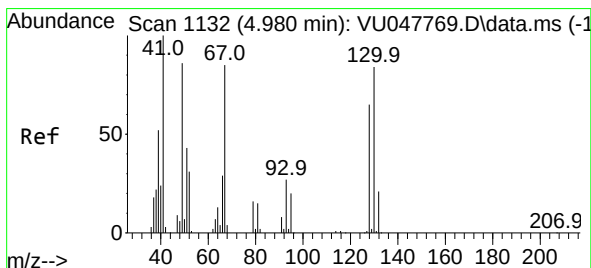
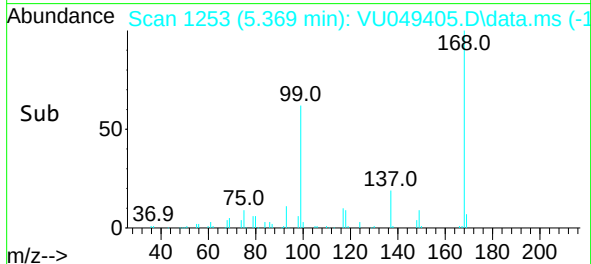
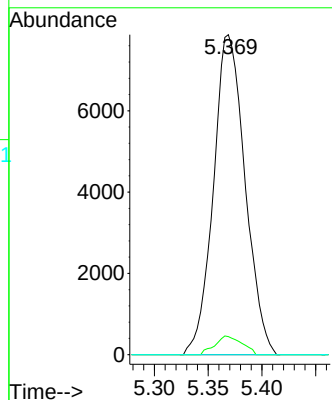


#38
Carbon Tetrachloride
Concen: 5.737 ug/l
RT: 5.369 min Scan# 1162
Delta R.T. -0.161 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

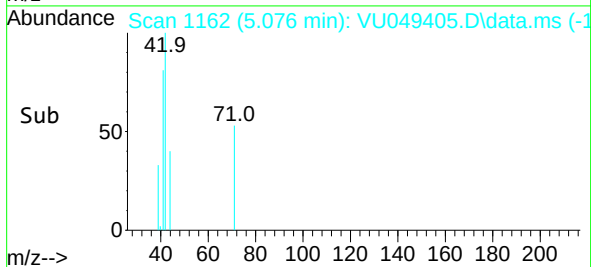
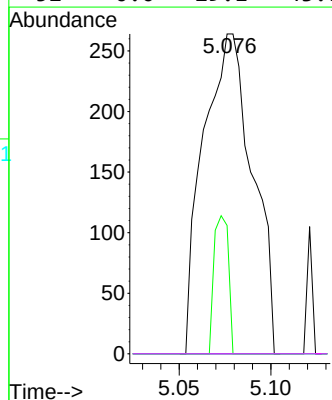
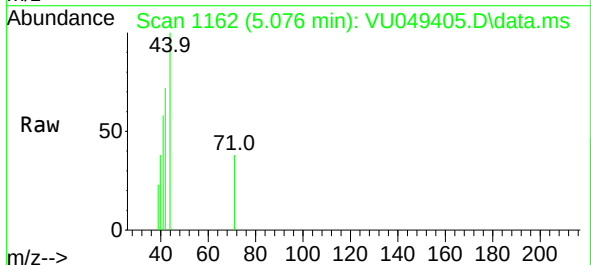


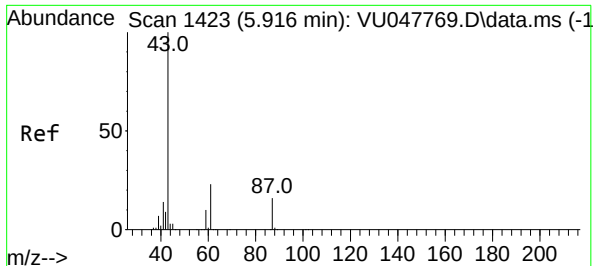
Tgt Ion:117 Resp: 16136
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.096 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 41 Resp: 491
Ion Ratio Lower Upper
41 100
39 12.6 43.1 64.7#
67 0.0 72.3 108.5#
52 0.0 29.1 43.7#





#43

Isopropyl Acetate

Concen: 0.345 ug/l

RT: 5.973 min Scan# 14

Delta R.T. 0.058 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

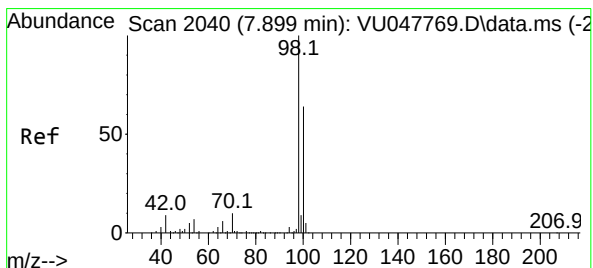
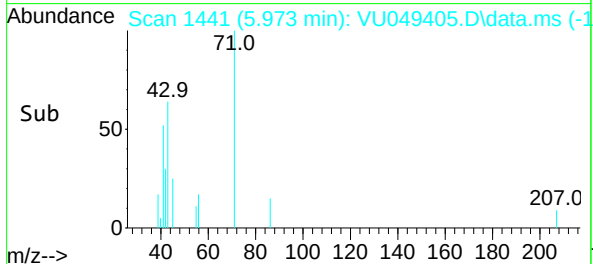
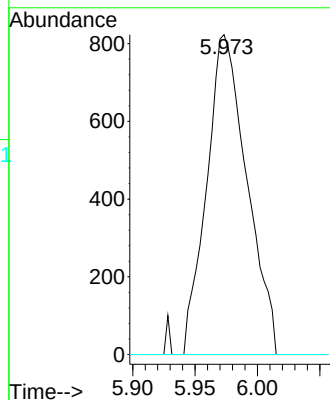
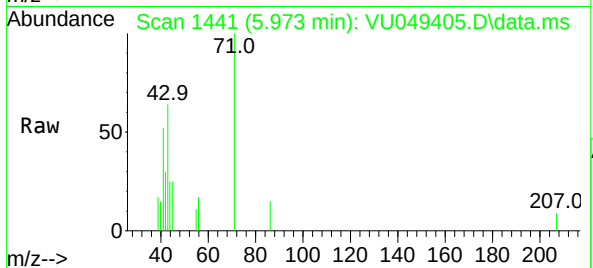
Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01

Tgt Ion: 43	Resp:	1850
Ion Ratio	Lower	Upper
43	100	
61	0.0	17.4 26.0#
87	0.0	12.6 18.8#



#50

Toluene-d8

Concen: 48.407 ug/l

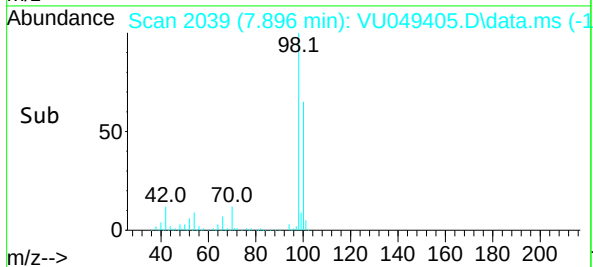
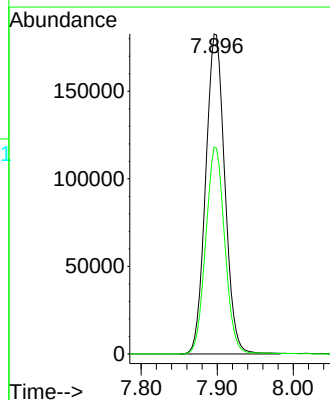
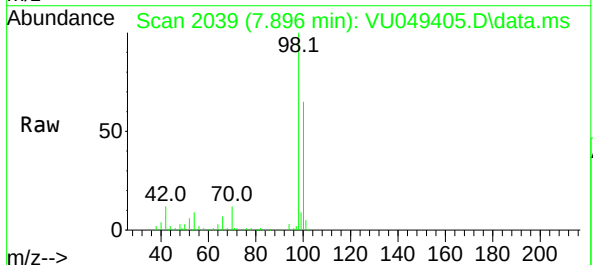
RT: 7.896 min Scan# 2039

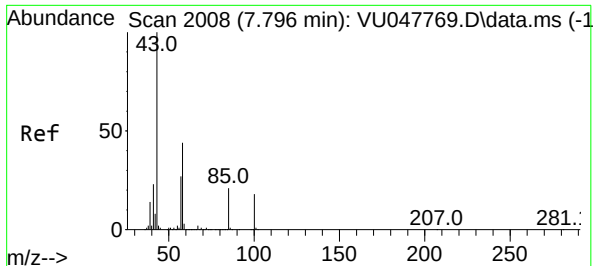
Delta R.T. -0.003 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

Tgt Ion: 98	Resp:	319322
Ion Ratio	Lower	Upper
98	100	
100	64.6	51.7 77.5

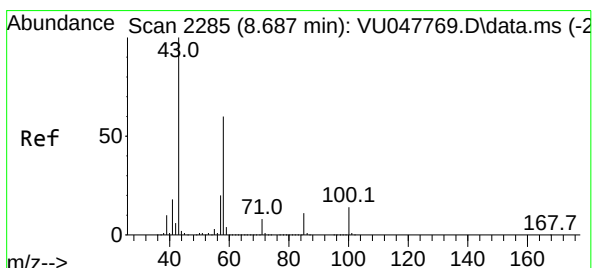
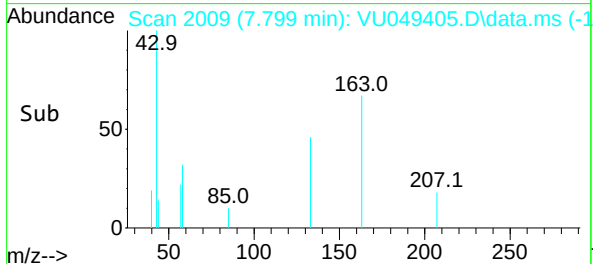
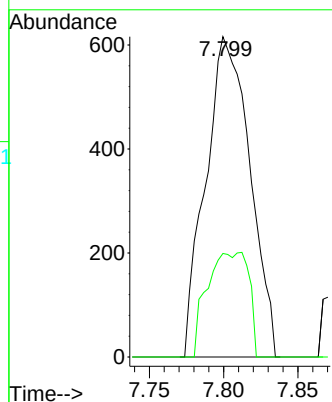
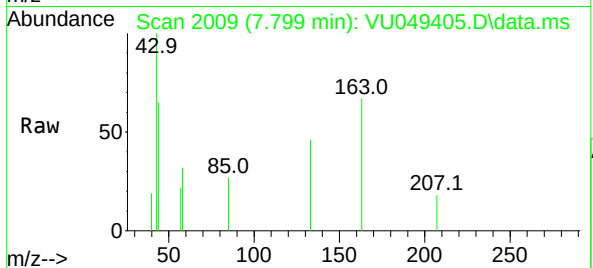




#51
4-Methyl-2-Pentanone
Concen: 0.355 ug/l
RT: 7.799 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

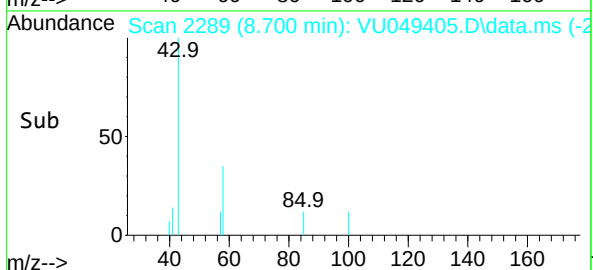
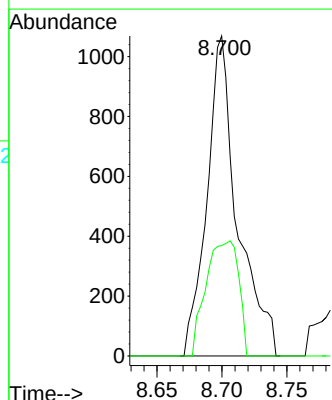
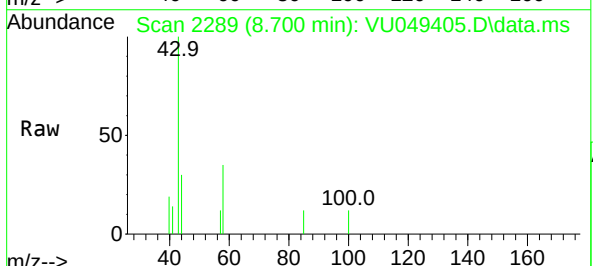
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

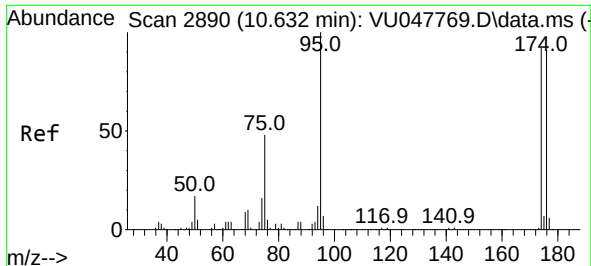
Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
58 19.8 34.7 52.1#



#59
2-Hexanone
Concen: 0.618 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.013 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
58 38.2 30.3 90.8

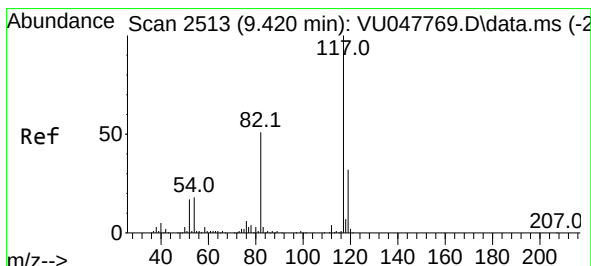
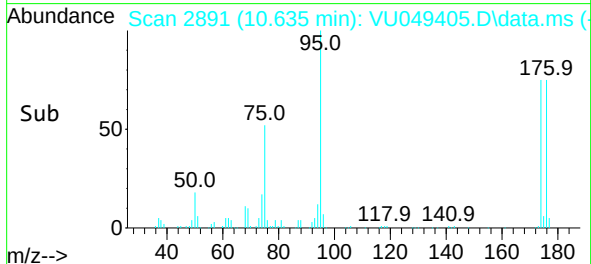
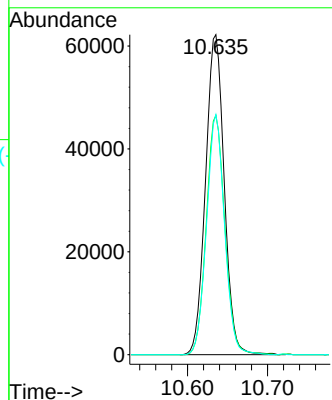
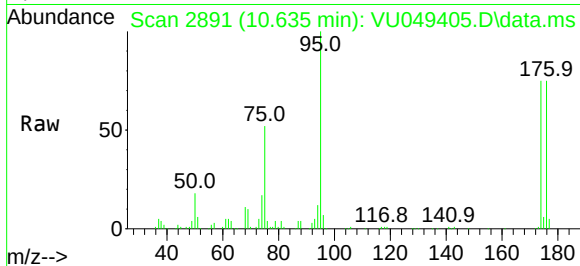




#62
4-Bromofluorobenzene
Concen: 40.038 ug/l
RT: 10.635 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

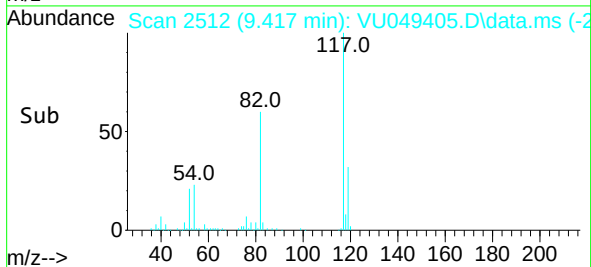
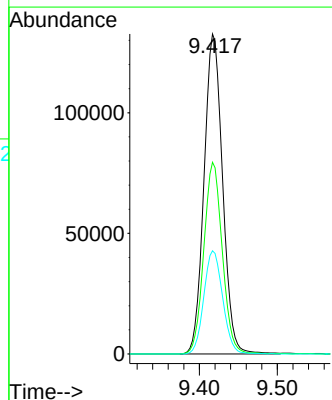
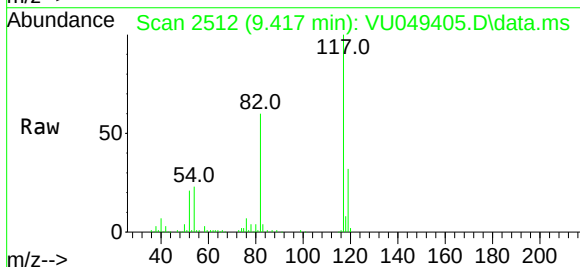
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

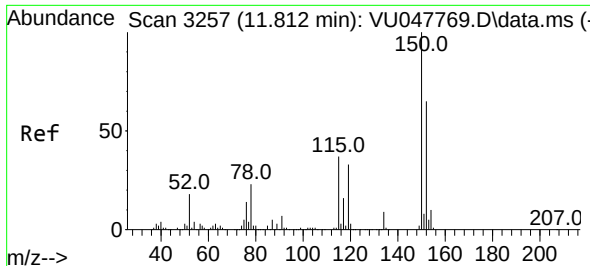
Tgt Ion: 95 Resp: 101174
Ion Ratio Lower Upper
95 100
174 74.5 0.0 182.0
176 72.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 117 Resp: 219878
Ion Ratio Lower Upper
117 100
82 59.9 41.7 62.5
119 32.3 25.7 38.5

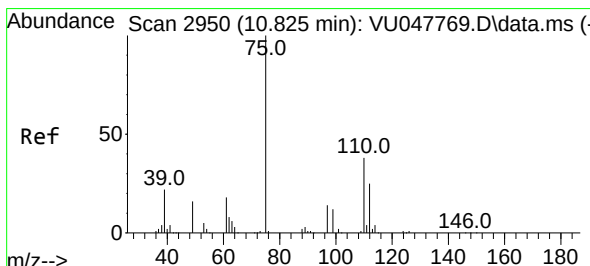
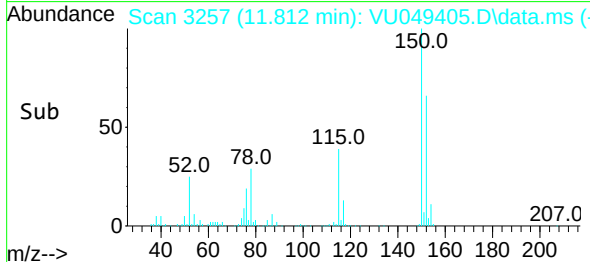
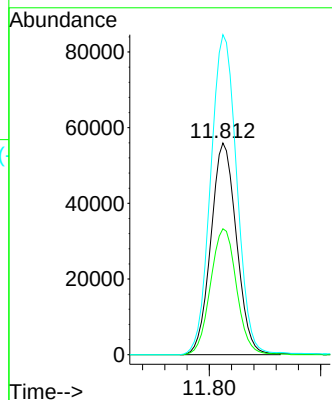
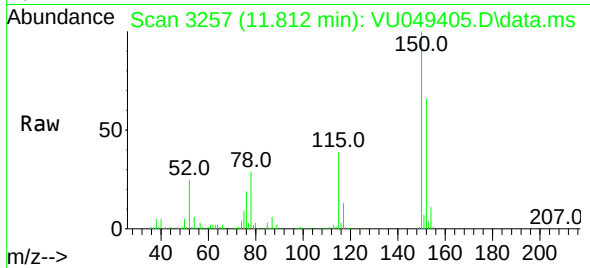




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049405.D
 Acq: 27 Jun 2022 15:22

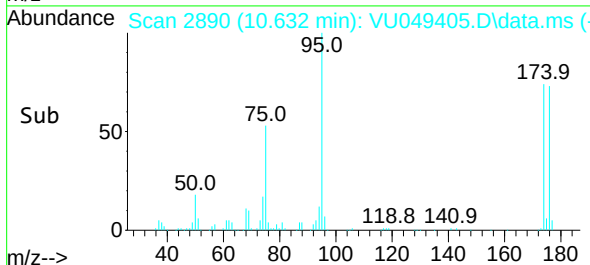
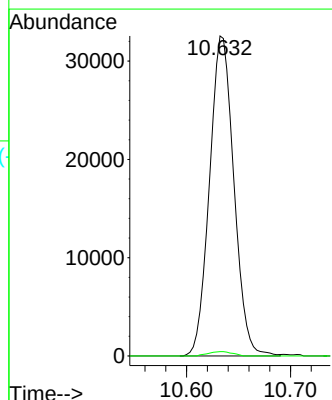
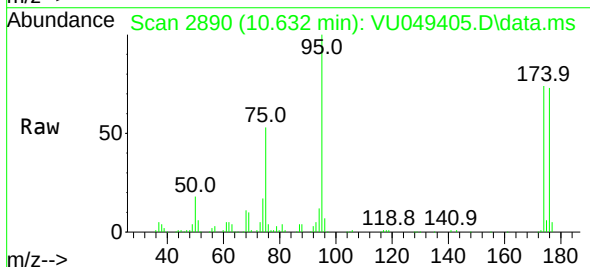
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL01

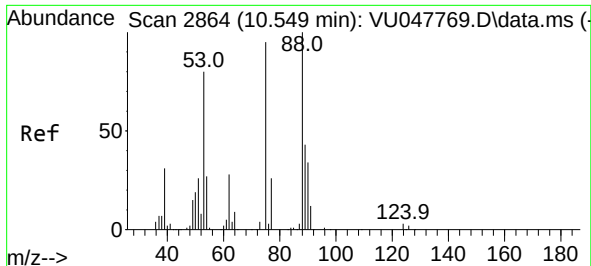
Tgt Ion:152 Resp: 89273
 Ion Ratio Lower Upper
 152 100
 115 60.4 37.0 110.9
 150 155.1 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 17.529 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU049405.D
 Acq: 27 Jun 2022 15:22

Tgt Ion: 75 Resp: 53046
 Ion Ratio Lower Upper
 75 100
 77 1.3 15.8 47.3#

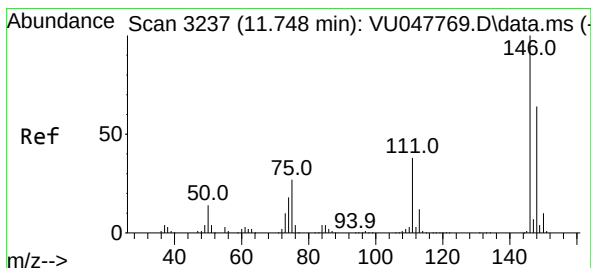
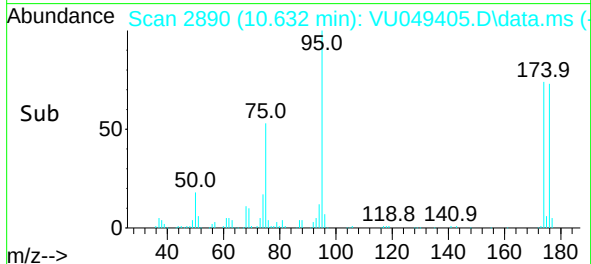
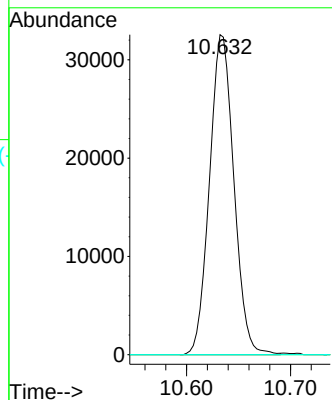
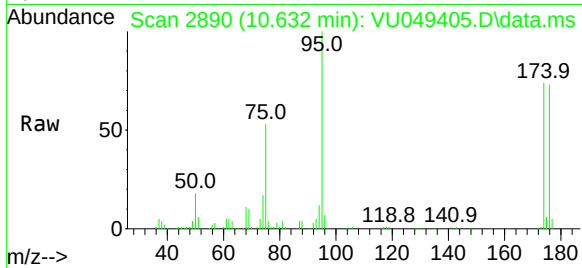




#81
trans-1,4-Dichloro-2-butene
Concen: 64.731 ug/l
RT: 10.632 min Scan# 2864
Delta R.T. 0.083 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

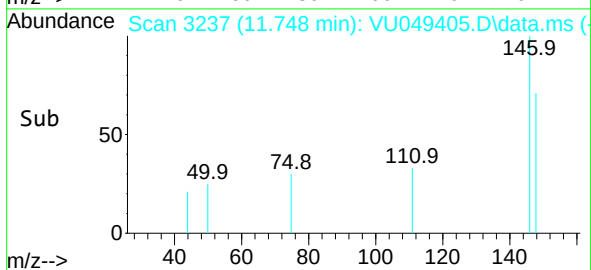
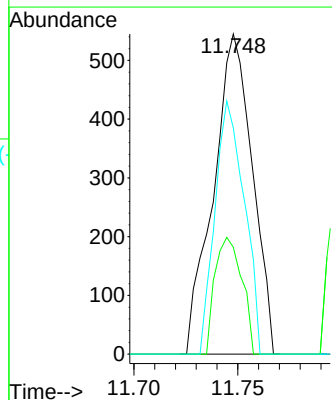
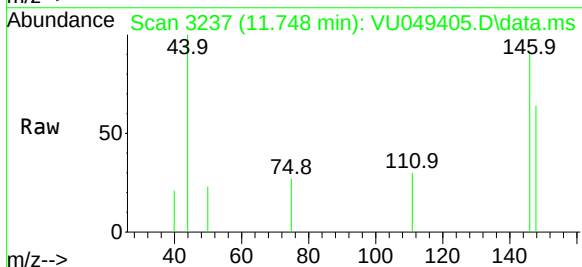
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

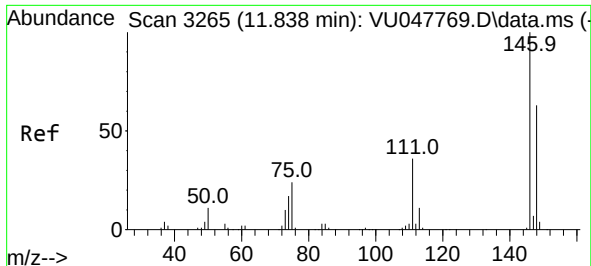
Tgt Ion: 75 Resp: 53046
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#87
1,3-Dichlorobenzene
Concen: 0.239 ug/l
RT: 11.748 min Scan# 3237
Delta R.T. -0.000 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion:146 Resp: 710
Ion Ratio Lower Upper
146 100
111 25.1 18.9 56.5
148 59.4 31.9 95.9

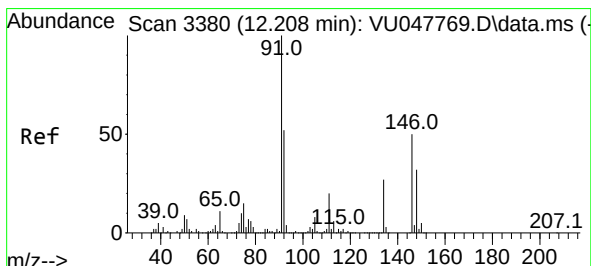
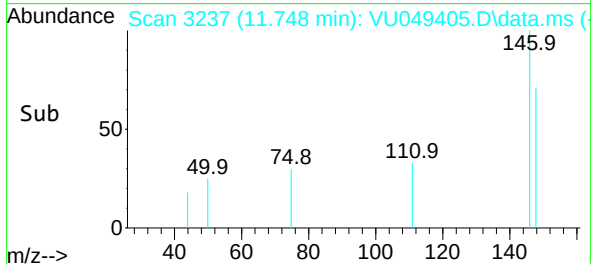
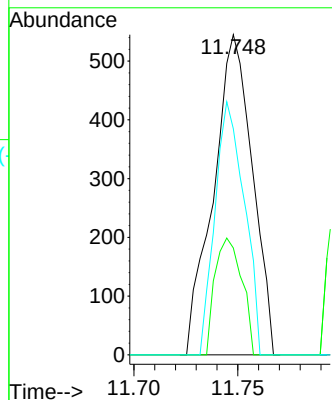
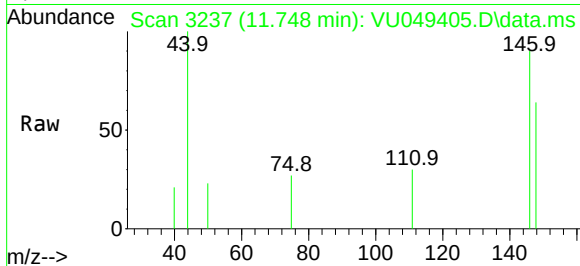




#88
1,4-Dichlorobenzene
Concen: 0.238 ug/l
RT: 11.748 min Scan# 31
Delta R.T. -0.090 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

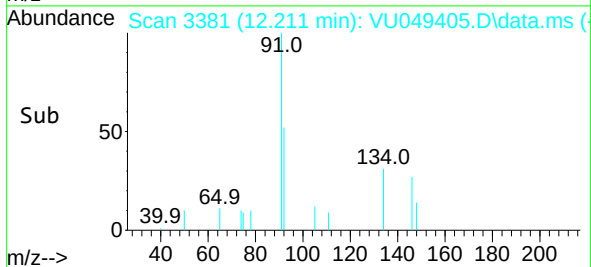
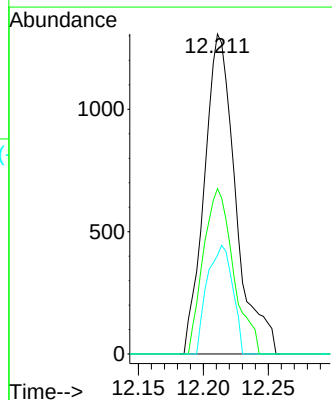
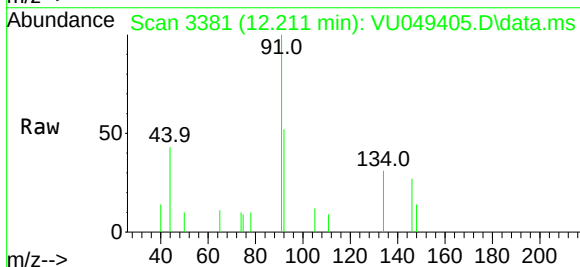
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

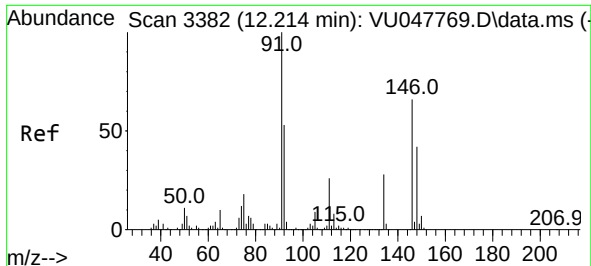
Tgt Ion:146	Resp:	710
Ion	Ratio	Lower Upper
146	100	
111	25.1	18.5 55.5
148	59.4	31.9 95.7



#89
n-Butylbenzene
Concen: 0.428 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion: 91	Resp:	2201
Ion	Ratio	Lower Upper
91	100	
92	49.5	26.2 78.6
134	27.3	13.5 40.4





#91

1,2-Dichlorobenzene

Concen: 0.215 ug/l

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01

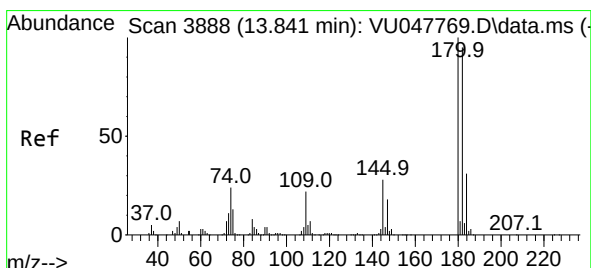
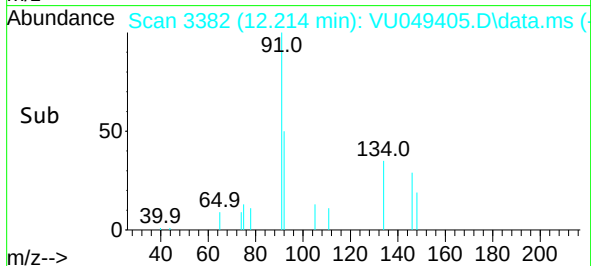
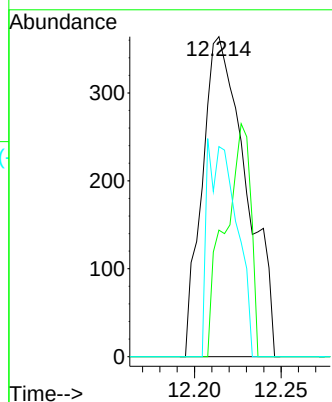
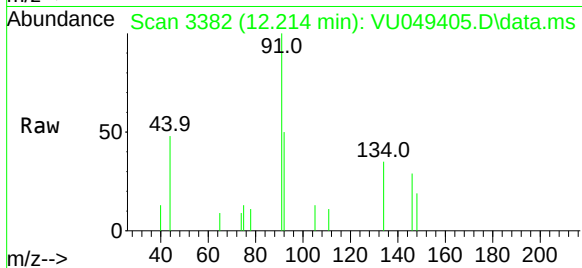
Tgt Ion:146 Resp: 641

Ion Ratio Lower Upper

146 100

111 43.1 19.9 59.6

148 44.8 32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 2.395 ug/l

RT: 13.847 min Scan# 3890

Delta R.T. 0.006 min

Lab File: VU049405.D

Acq: 27 Jun 2022 15:22

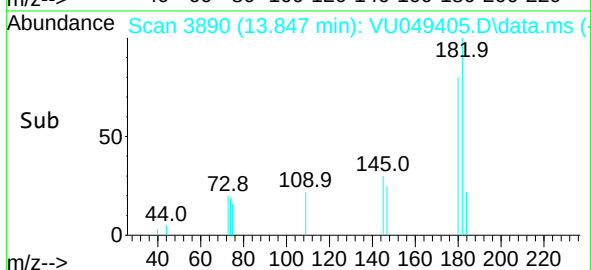
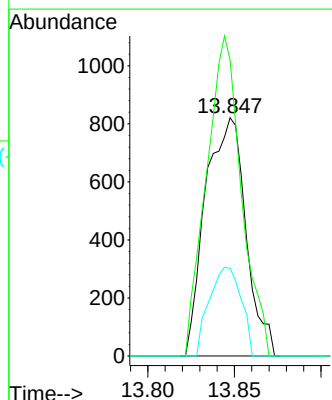
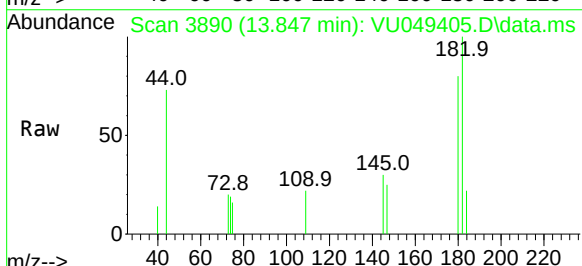
Tgt Ion:180 Resp: 1330

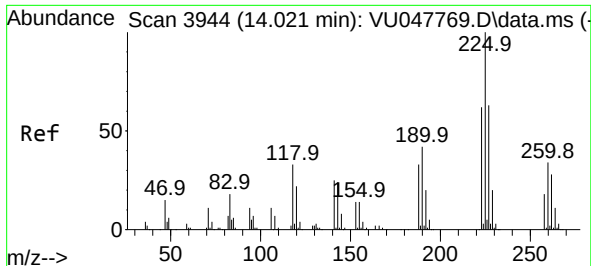
Ion Ratio Lower Upper

180 100

182 116.3 47.9 143.6

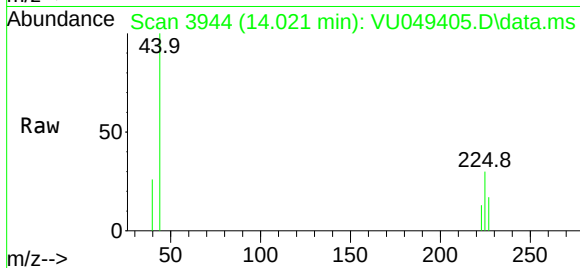
145 29.3 14.0 41.9



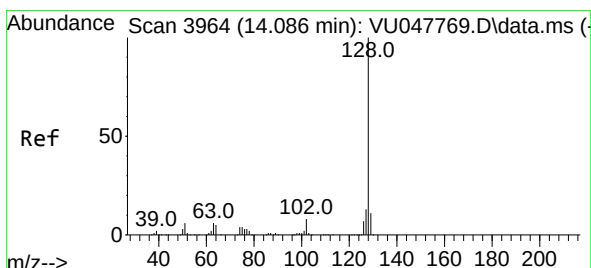
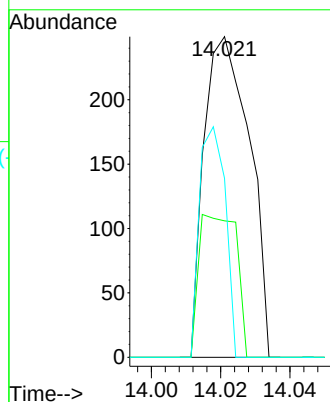
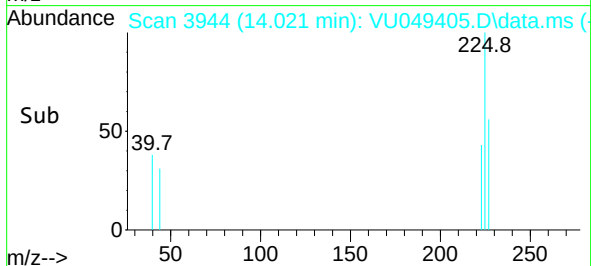


#94
Hexachlorobutadiene
Concen: 0.245 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.000 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL01

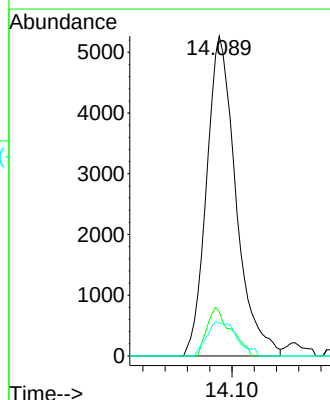
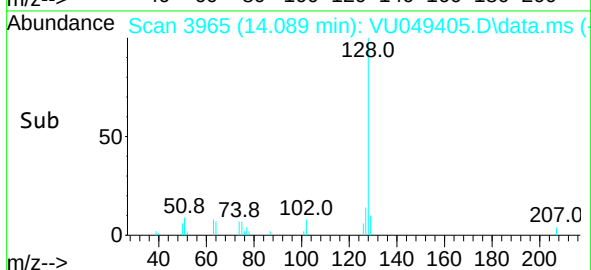
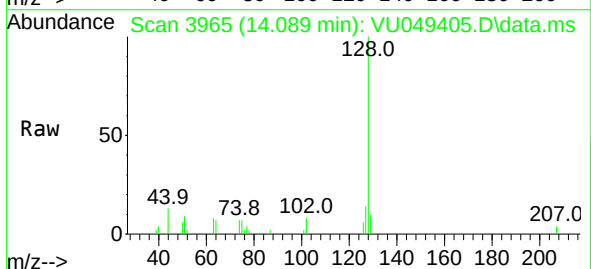


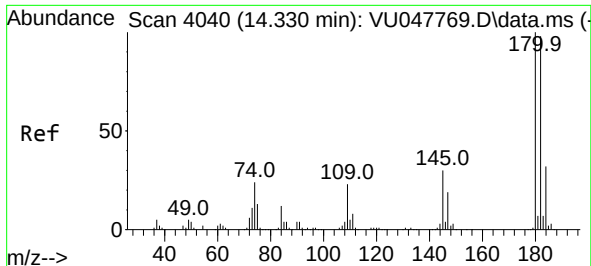
Tgt Ion:	225	Resp:	227
Ion	Ratio	Lower	Upper
225	100		
223	36.6	31.3	93.9
227	41.0	32.0	96.2



#95
Naphthalene
Concen: 3.067 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU049405.D
Acq: 27 Jun 2022 15:22

Tgt Ion:	128	Resp:	9637
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	11.0	8.6	13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.914 ug/l

RT: 14.330 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU049405.D

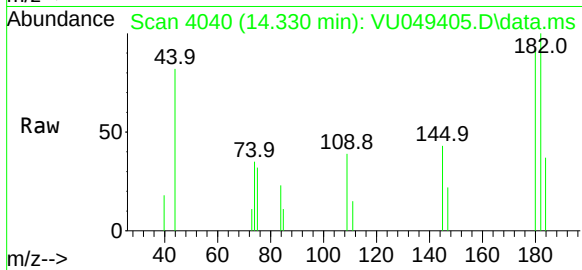
Acq: 27 Jun 2022 15:22

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL01



Tgt Ion:180 Resp: 1553

Ion Ratio Lower Upper

180 100

182 99.0 48.4 145.0

145 33.9 14.8 44.4

