

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049476.D
 Acq On : 28 Jun 2022 22:39
 Operator : SY/MD
 Sample : VU0628WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL02

Quant Time: Jun 29 05:23:38 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)

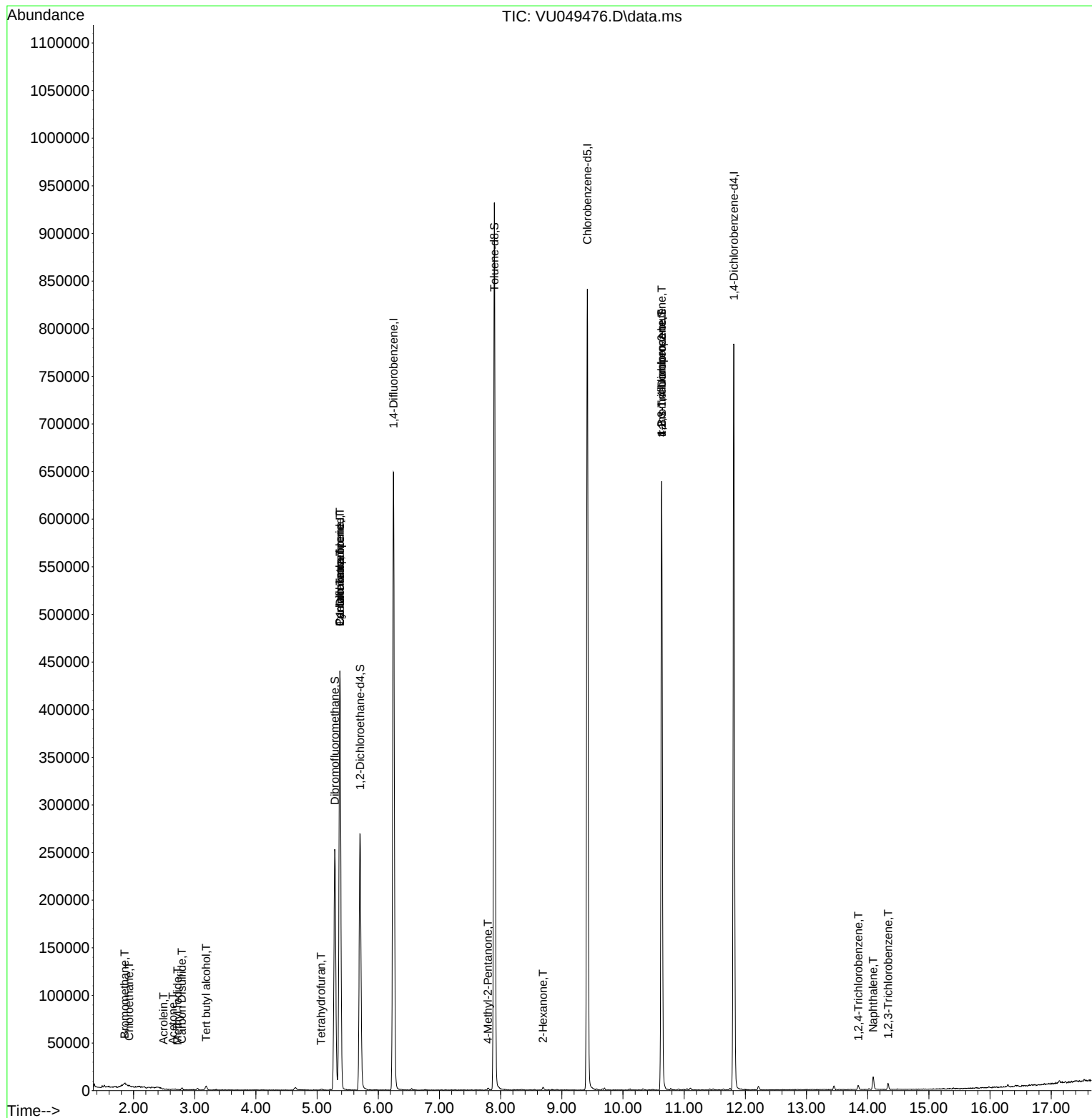
Internal Standards						
1) Pentafluorobenzene	5.372	168	306964	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	536072	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	468767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	208045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	203006	42.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.880%		
35) Dibromofluoromethane	5.289	113	165907	44.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.480%		
50) Toluene-d8	7.896	98	631109	47.179	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.360%		
62) 4-Bromofluorobenzene	10.633	95	222749	43.469	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.940%		
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	2193	Below Cal		92
5) Bromomethane	1.855	94	576	0.373 ug/l		96
6) Chloroethane	1.925	64	149	1.978 ug/l	#	44
10) Methyl Iodide	2.716	142	303	7.590 ug/l	#	67
11) Tert butyl alcohol	3.186	59	2668	2.411 ug/l	#	37
13) Acrolein	2.491	56	183	0.244 ug/l	#	59
16) Acetone	2.642	43	1375	0.577 ug/l		91
17) Carbon Disulfide	2.790	76	2339	0.225 ug/l	#	75
20) Methylene Chloride	3.048	84	965	Below Cal	#	91
29) Tetrahydrofuran	5.067	42	701	0.286 ug/l	#	38
31) Cyclohexane	5.372	56	6265	0.883 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	24796	4.560 ug/l	#	49
38) Carbon Tetrachloride	5.372	117	31755	5.568 ug/l	#	16
51) 4-Methyl-2-Pentanone	7.793	43	1690	0.232 ug/l	#	81
59) 2-Hexanone	8.694	43	2721	0.475 ug/l		79
76) 1,2,3-Trichloropropane	10.633	75	110621	15.685 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.633	75	110621	57.924 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.845	180	1843	2.135 ug/l		97
95) Naphthalene	14.089	128	12277	2.464 ug/l		98
96) 1,2,3-Trichlorobenzene	14.333	180	2493	1.685 ug/l		96

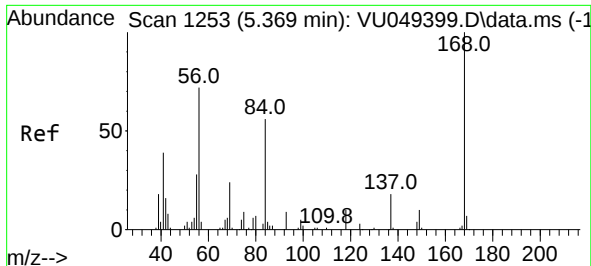
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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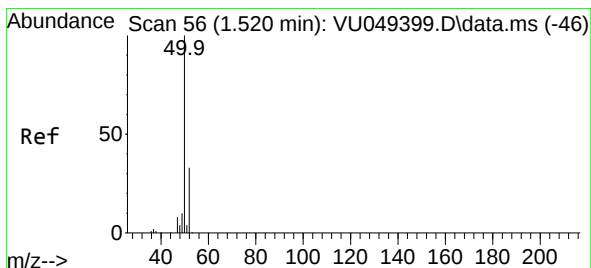
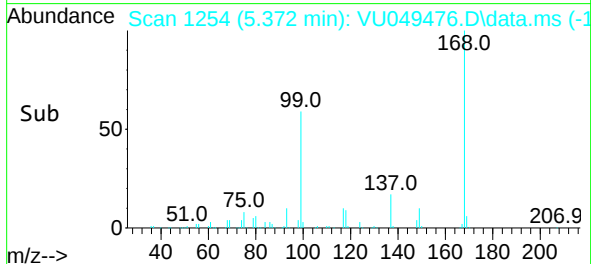
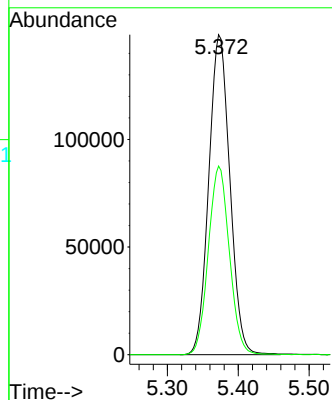
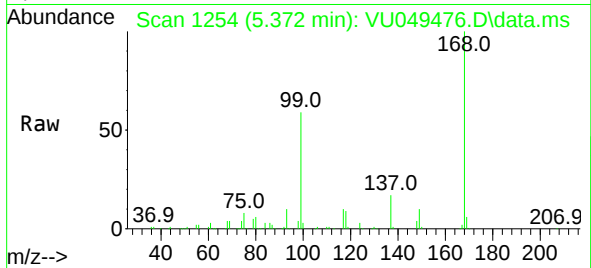




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

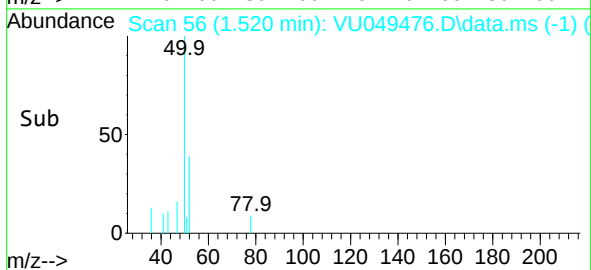
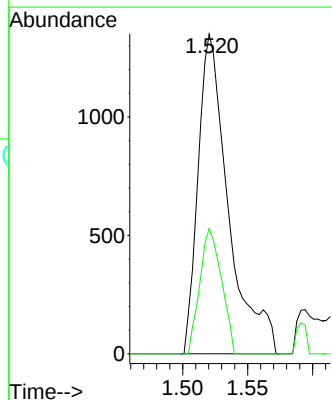
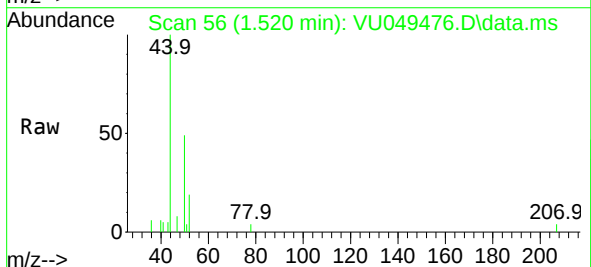
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

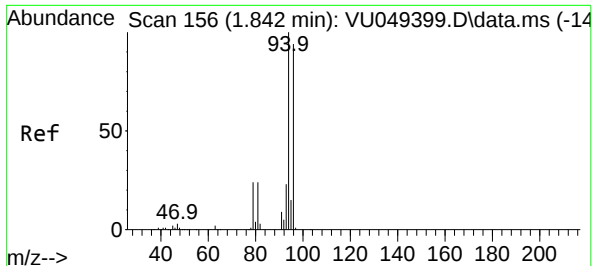
Tgt Ion:168 Resp: 306964
Ion Ratio Lower Upper
168 100
99 59.0 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 50 Resp: 2193
Ion Ratio Lower Upper
50 100
52 39.2 27.4 41.2

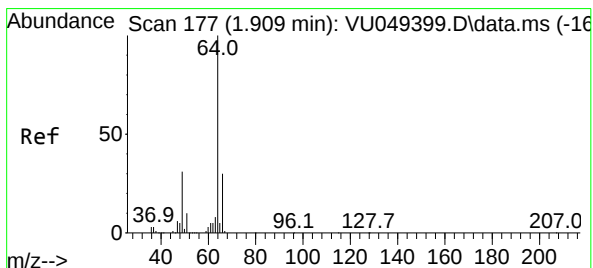
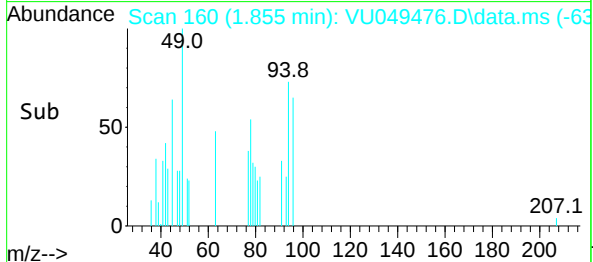
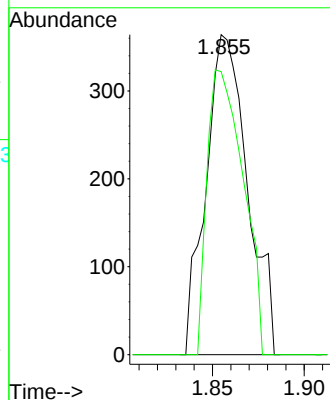
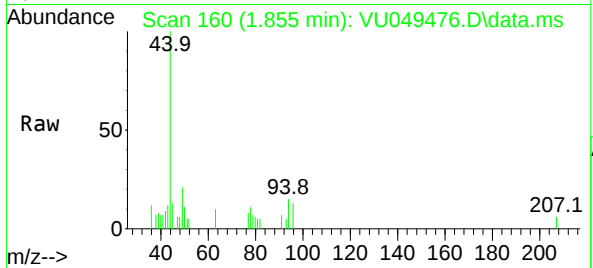




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.855 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

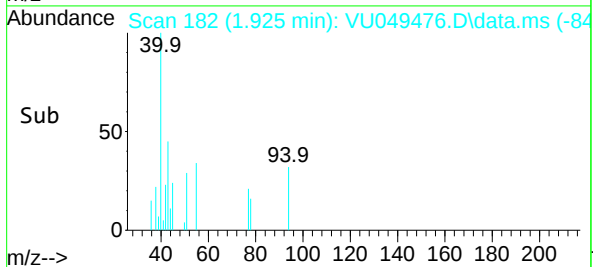
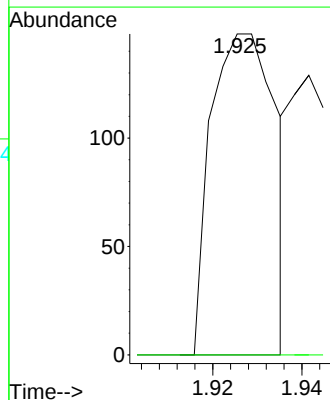
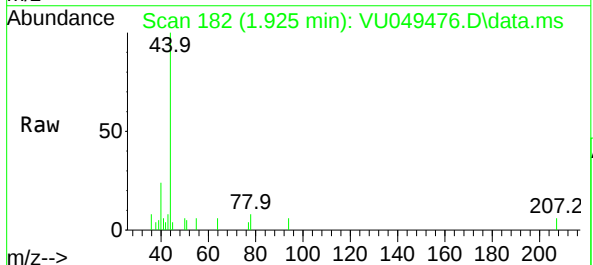
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

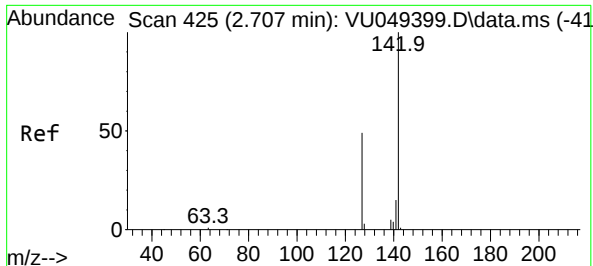
Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 88.5 73.7 110.5



#6
Chloroethane
Concen: 1.978 ug/l
RT: 1.925 min Scan# 182
Delta R.T. 0.016 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

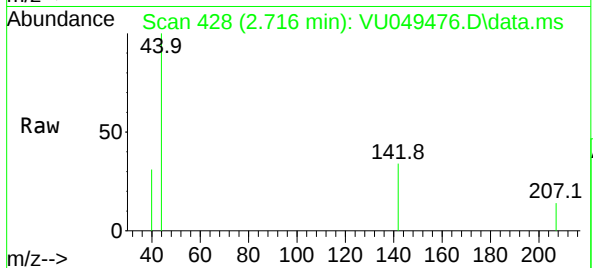
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



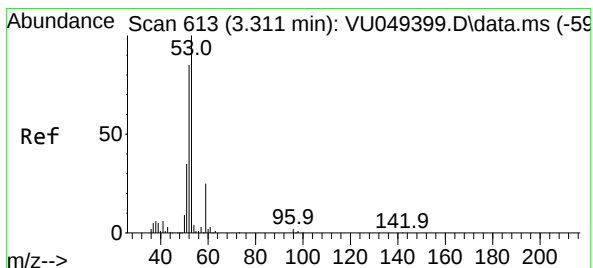
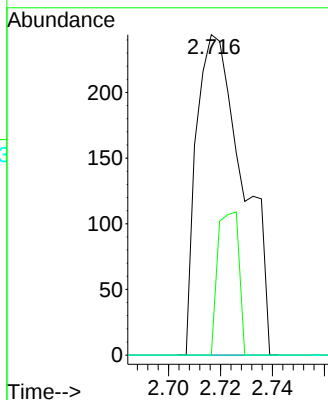
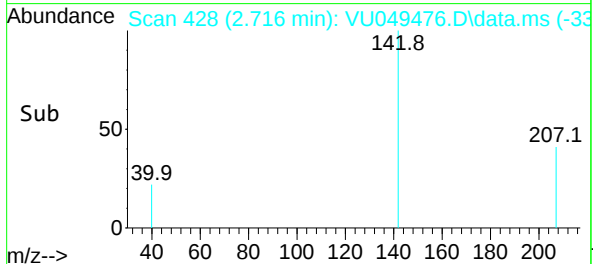


#10
Methyl Iodide
Concen: 7.590 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

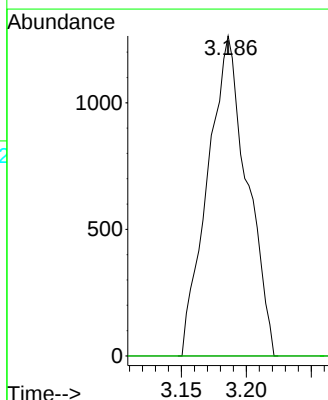
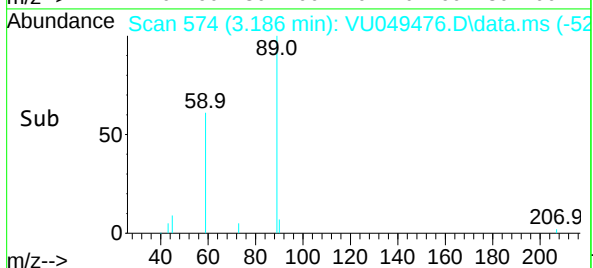
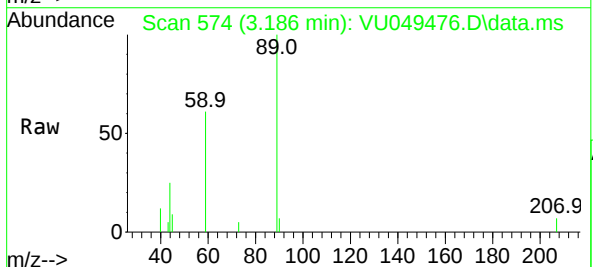


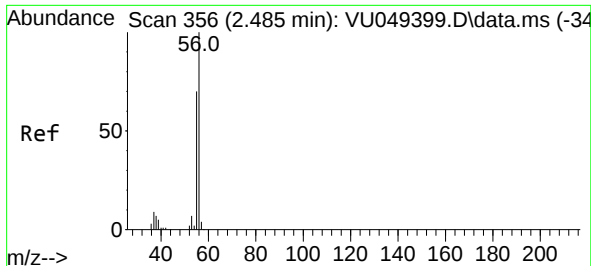
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
127 20.1 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.411 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 59 Resp: 2668
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#13

Acrolein

Concen: 0.244 ug/l

RT: 2.491 min Scan# 3

Delta R.T. 0.007 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

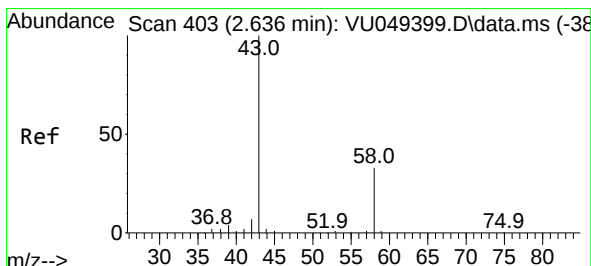
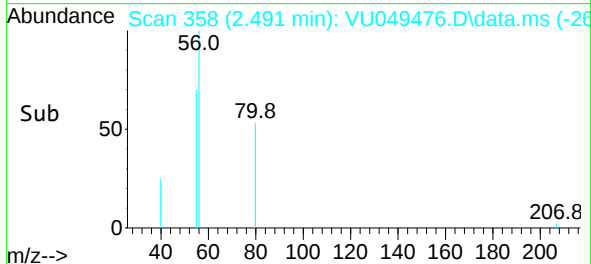
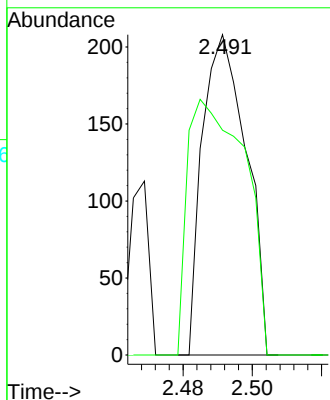
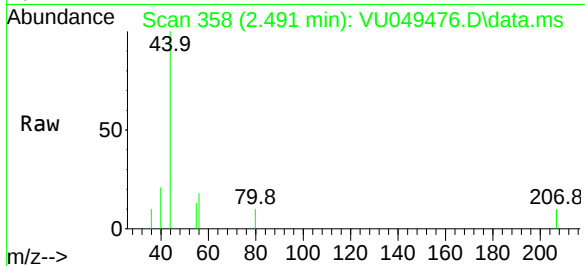
VU0628WBL02

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 104.9 56.6 85.0#



#16

Acetone

Concen: 0.577 ug/l

RT: 2.642 min Scan# 405

Delta R.T. 0.007 min

Lab File: VU049476.D

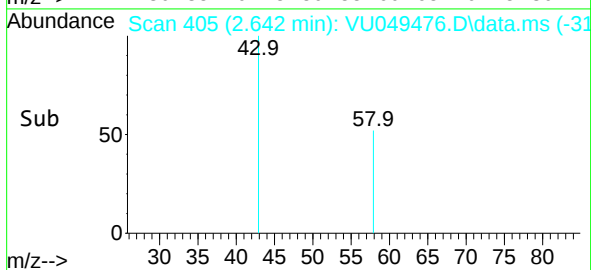
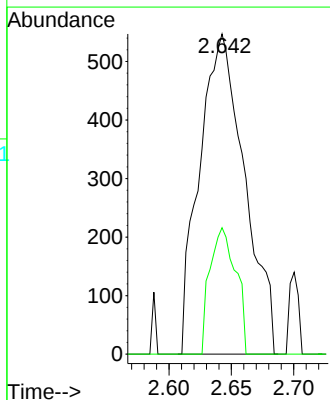
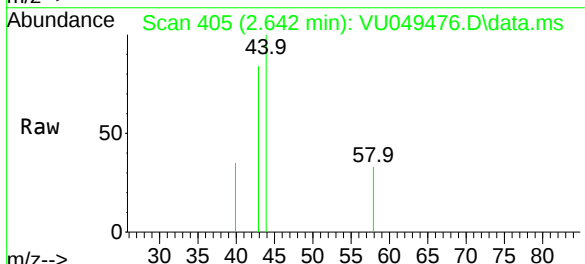
Acq: 28 Jun 2022 22:39

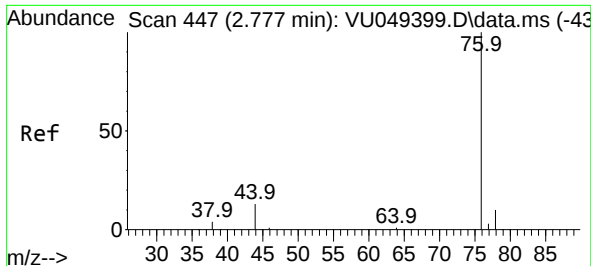
Tgt Ion: 43 Resp: 1375

Ion Ratio Lower Upper

43 100

58 39.5 27.5 41.3

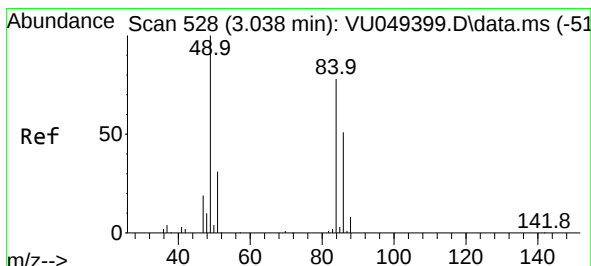
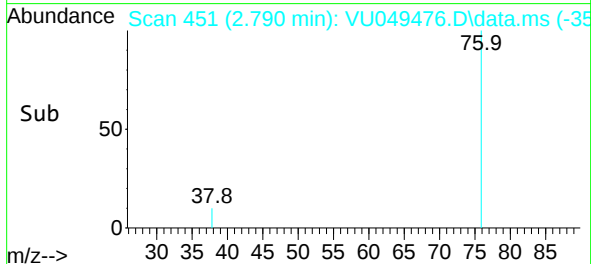
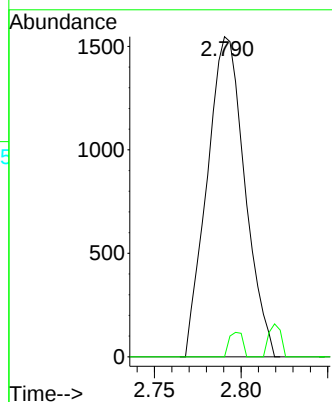
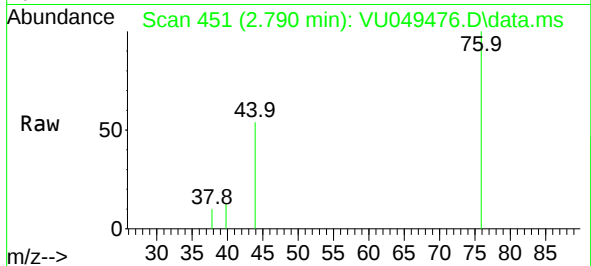




#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.790 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

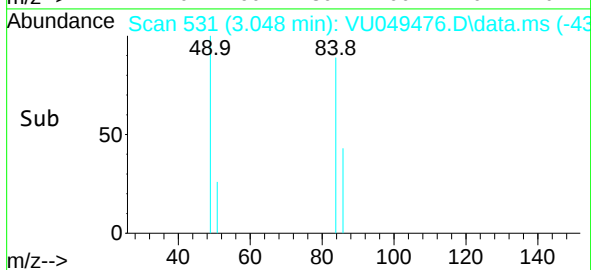
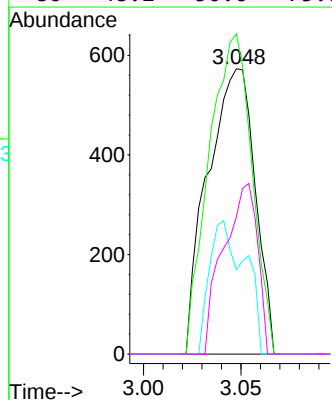
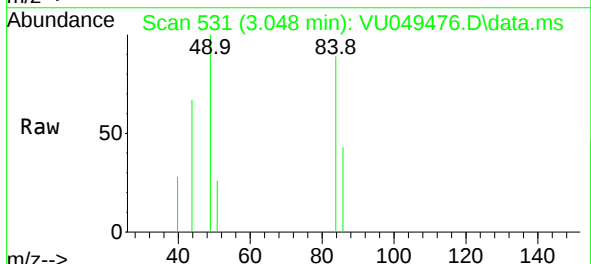
Instrument :
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VU0628WBL02

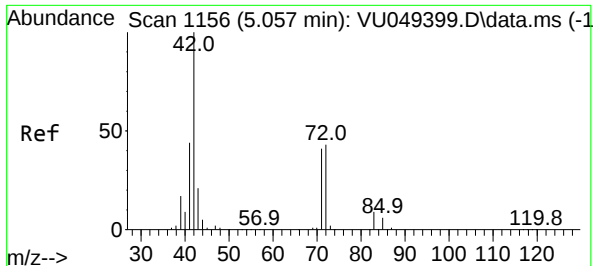
Tgt Ion: 76 Resp: 2339
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.048 min Scan# 531
Delta R.T. 0.010 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 84 Resp: 965
Ion Ratio Lower Upper
84 100
49 112.2 86.6 129.8
51 29.7 26.6 40.0
86 48.2 50.6 75.8#





#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 5.067 min Scan# 1156

Delta R.T. 0.010 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBL02

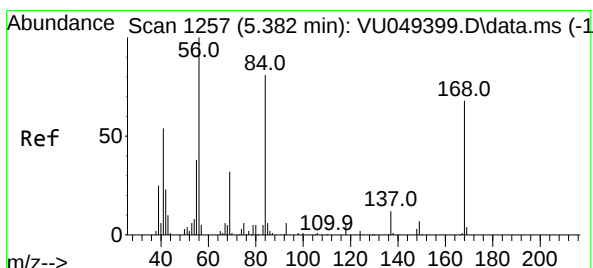
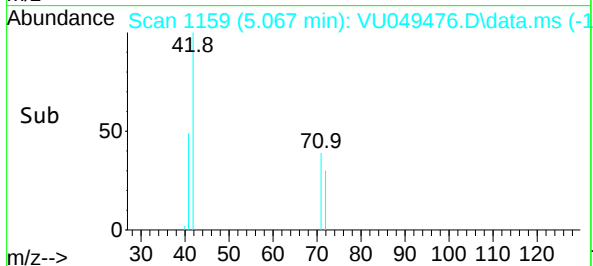
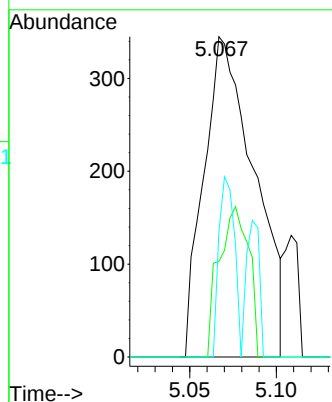
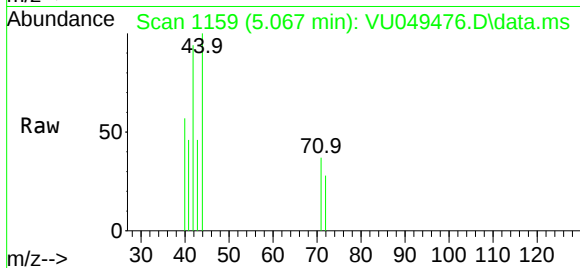
Tgt Ion: 42 Resp: 701

Ion Ratio Lower Upper

42 100

72 0.0 42.6 63.8#

71 17.3 40.3 60.5#



#31

Cyclohexane

Concen: 0.883 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.009 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

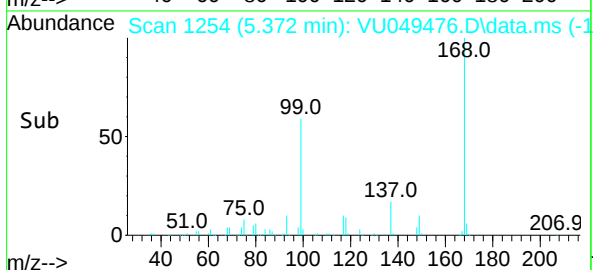
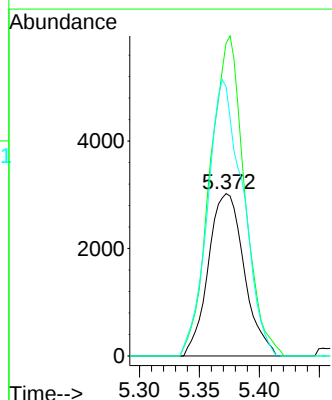
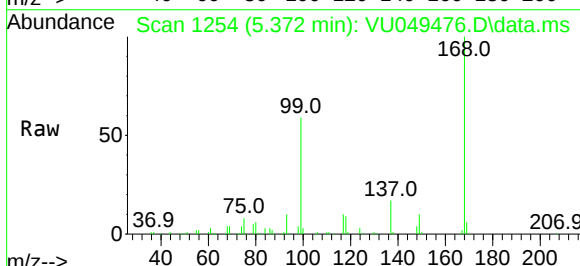
Tgt Ion: 56 Resp: 6265

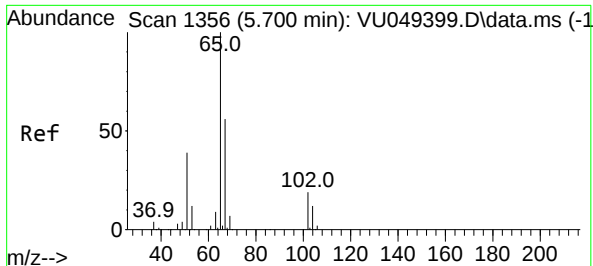
Ion Ratio Lower Upper

56 100

69 192.7 27.8 41.8#

84 165.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.942 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

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ClientSampleId :

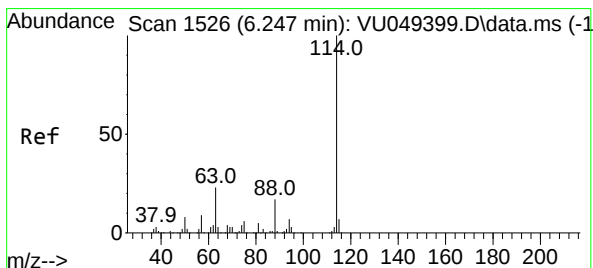
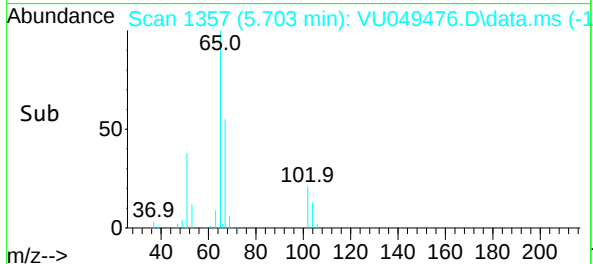
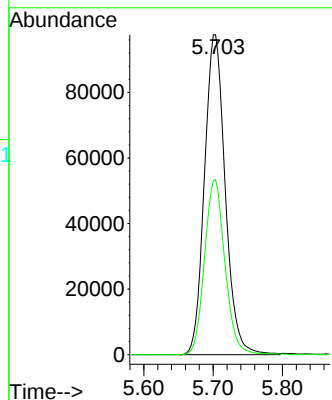
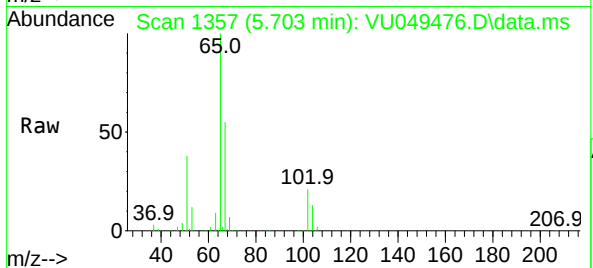
VU0628WBL02

Tgt Ion: 65 Resp: 203006

Ion Ratio Lower Upper

65 100

67 53.9 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: VU049476.D

Acq: 28 Jun 2022 22:39

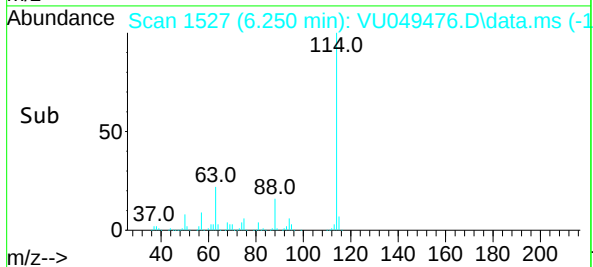
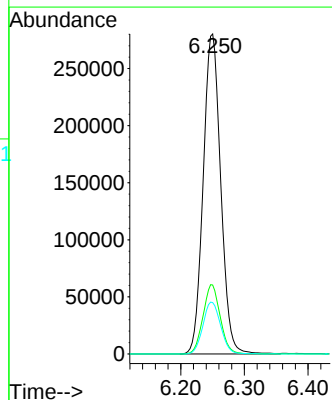
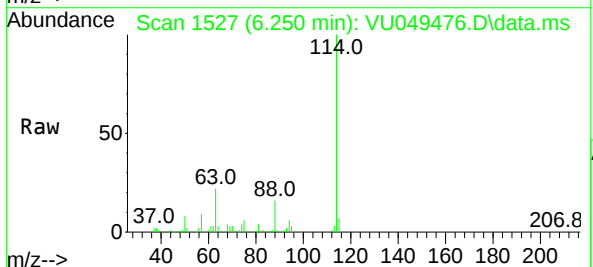
Tgt Ion: 114 Resp: 536072

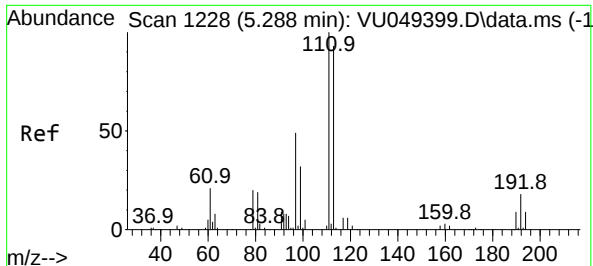
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.236 ug/l

RT: 5.289 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBL02

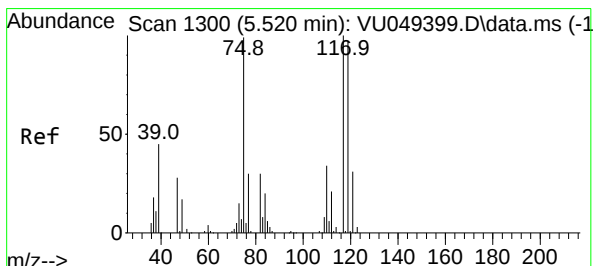
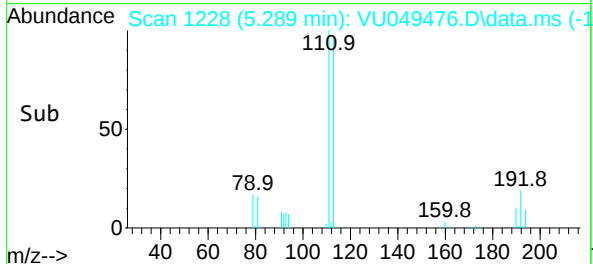
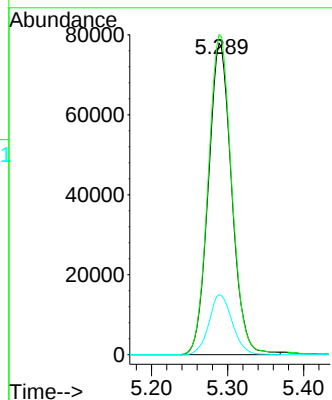
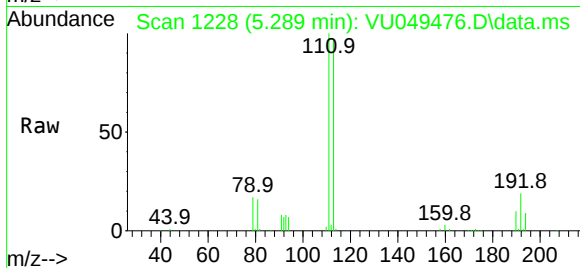
Tgt Ion:113 Resp: 165907

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 19.3 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.560 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049476.D

Acq: 28 Jun 2022 22:39

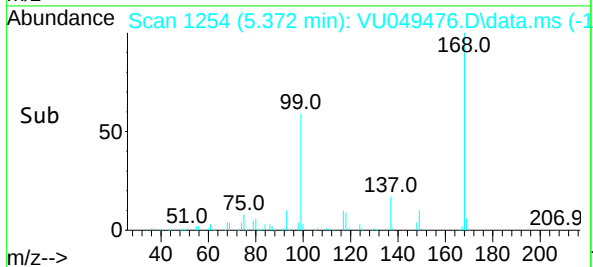
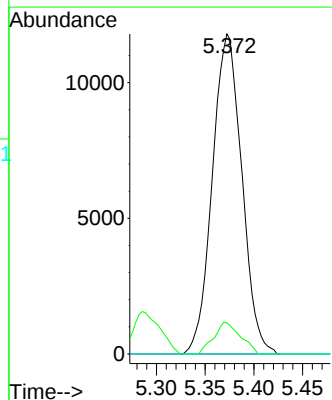
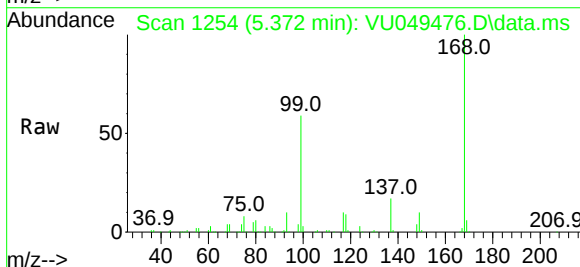
Tgt Ion: 75 Resp: 24796

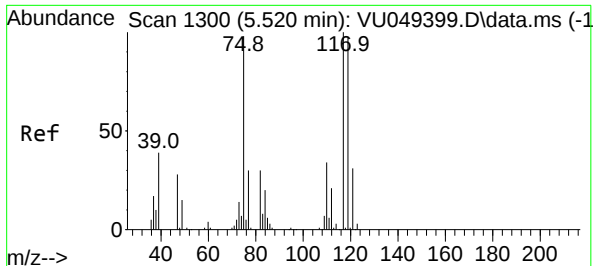
Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 25.1 37.7#

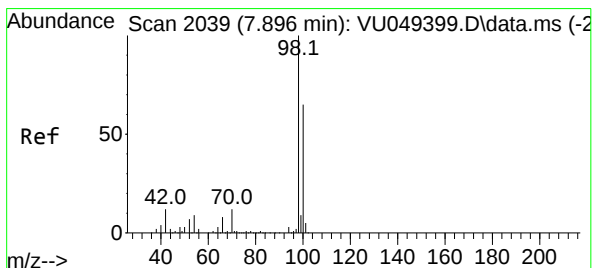
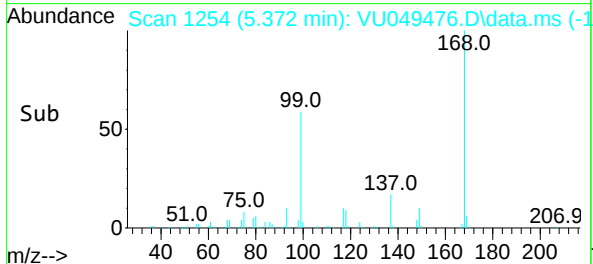
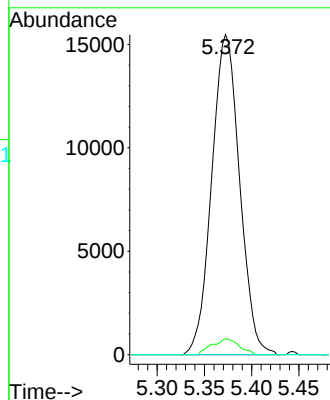
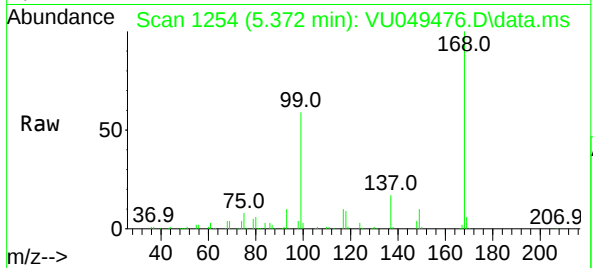




#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

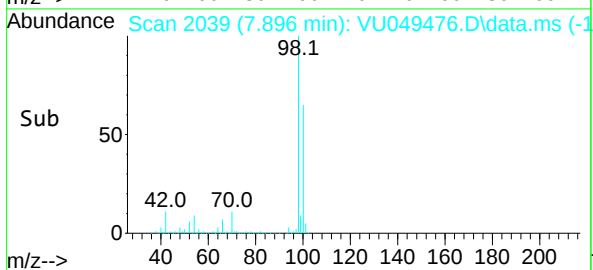
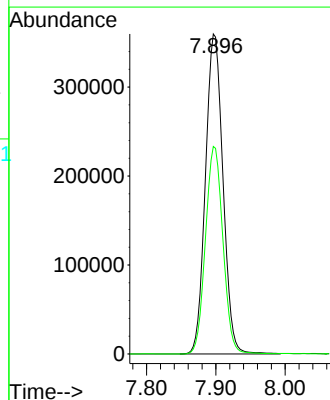
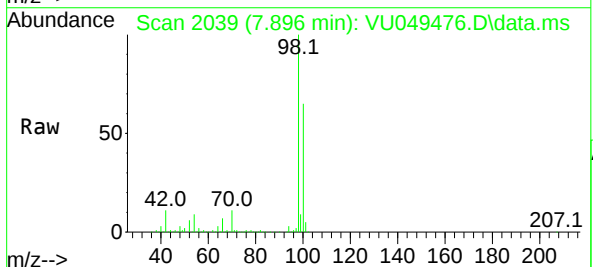
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

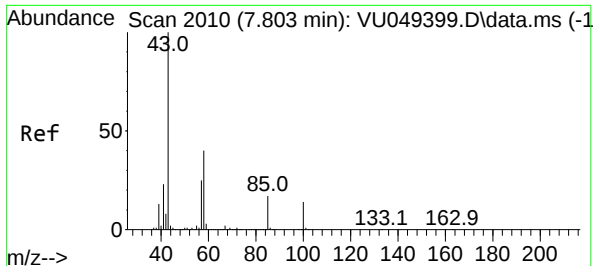
Tgt Ion:117 Resp: 31755
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.179 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 98 Resp: 631109
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

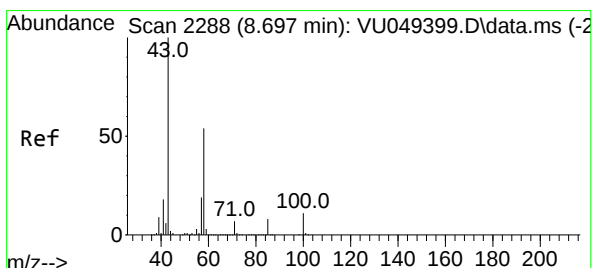
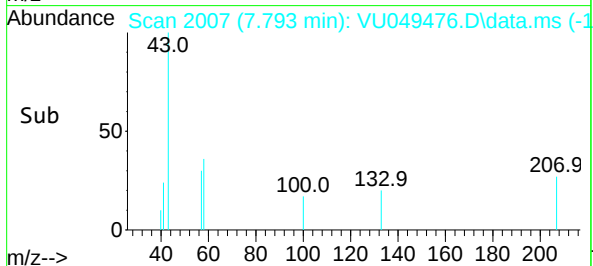
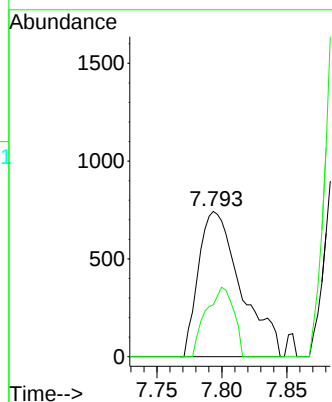
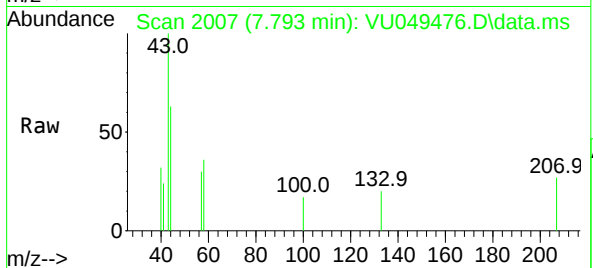




#51
4-Methyl-2-Pentanone
Concen: 0.232 ug/l
RT: 7.793 min Scan# 2010
Delta R.T. -0.009 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

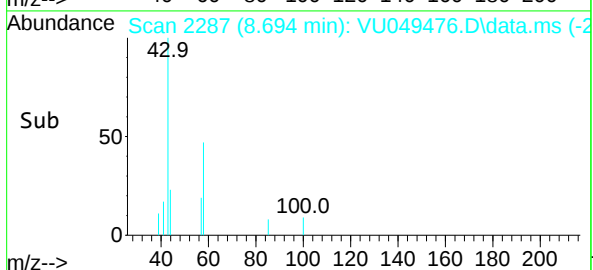
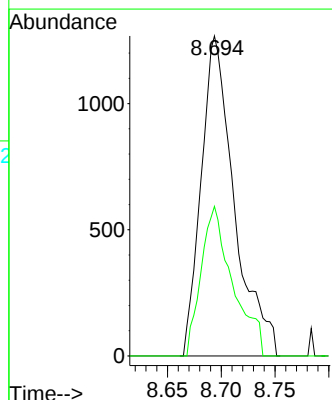
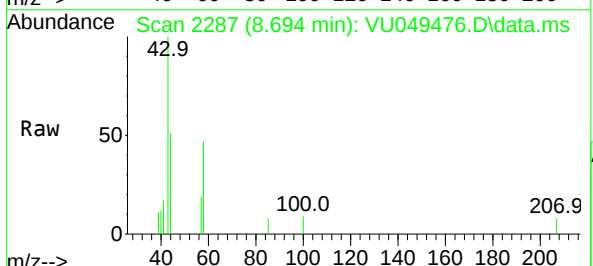
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

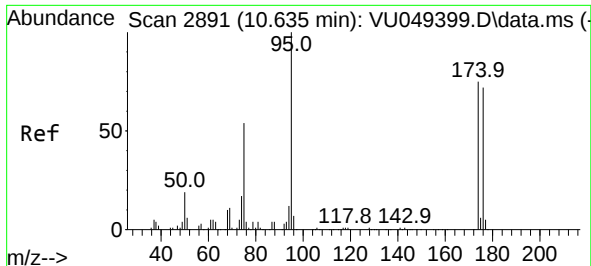
Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
58 31.0 34.7 52.1#



#59
2-Hexanone
Concen: 0.475 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
58 44.7 30.3 90.8

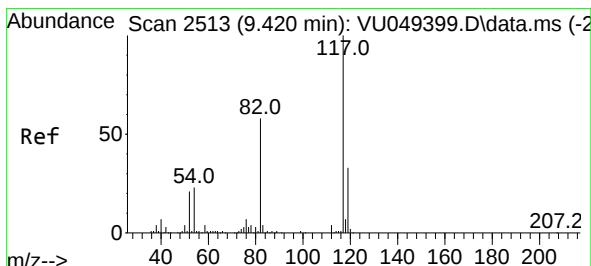
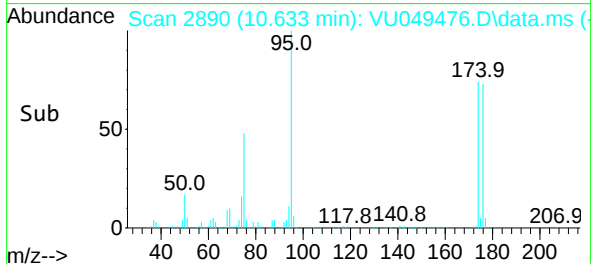
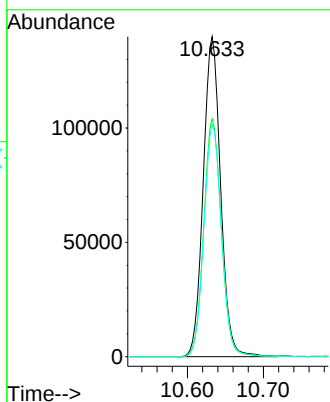
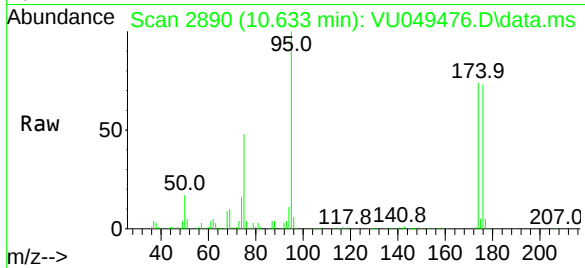




#62
4-Bromofluorobenzene
Concen: 43.469 ug/l
RT: 10.633 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

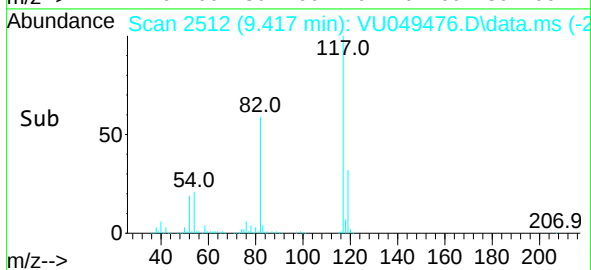
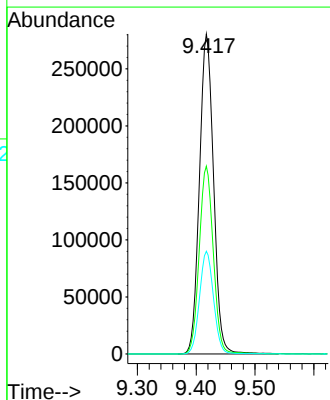
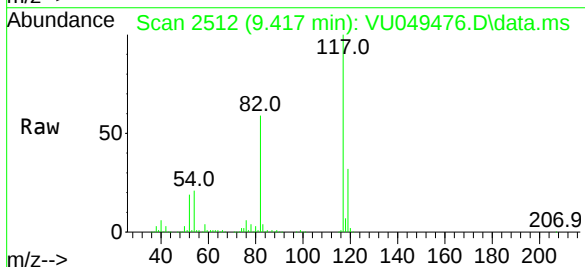
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

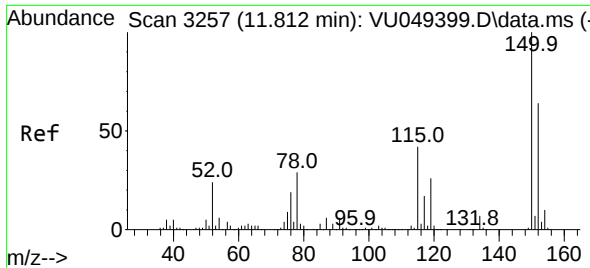
Tgt Ion: 95 Resp: 222749
Ion Ratio Lower Upper
95 100
174 75.3 0.0 182.0
176 73.6 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion: 117 Resp: 468767
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 32.1 25.7 38.5

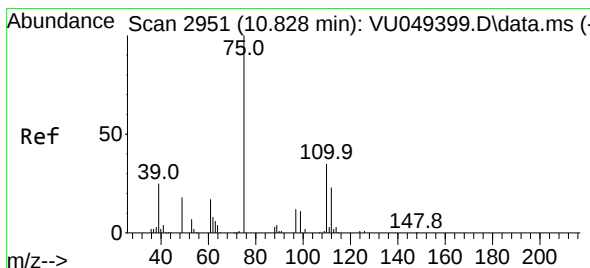
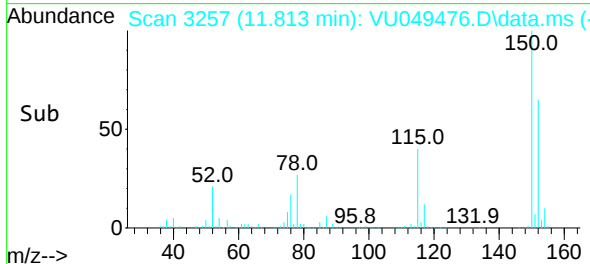
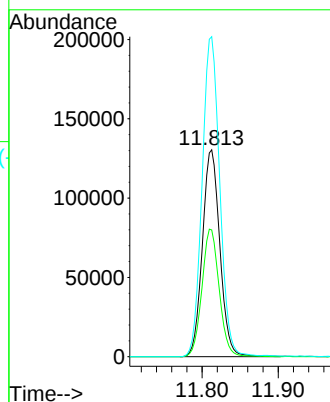
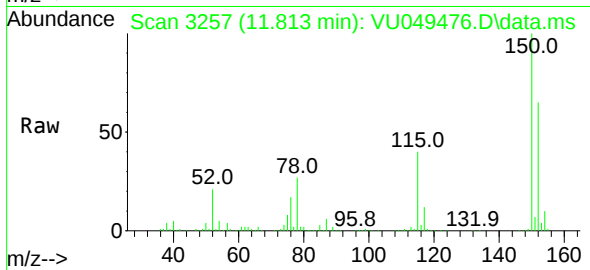




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.813 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049476.D
 Acq: 28 Jun 2022 22:39

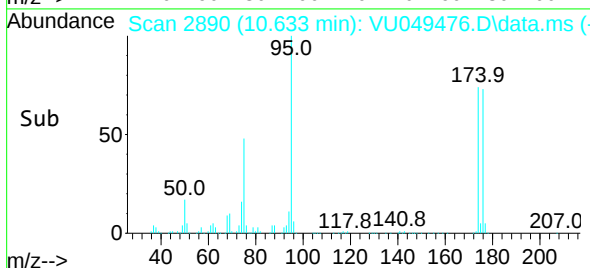
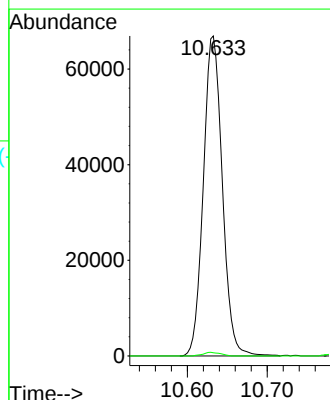
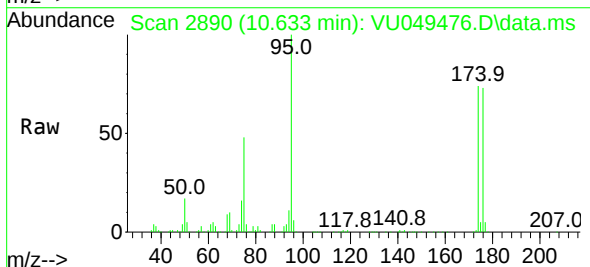
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL02

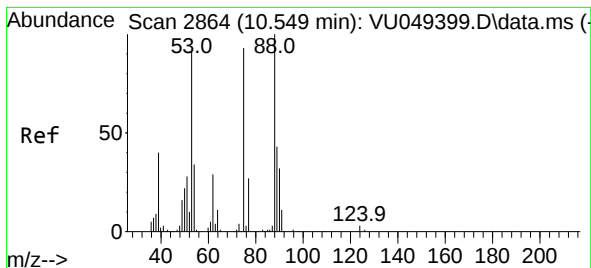
Tgt Ion:152 Resp: 208045
 Ion Ratio Lower Upper
 152 100
 115 60.8 37.0 110.9
 150 155.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.685 ug/l
 RT: 10.633 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049476.D
 Acq: 28 Jun 2022 22:39

Tgt Ion: 75 Resp: 110621
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

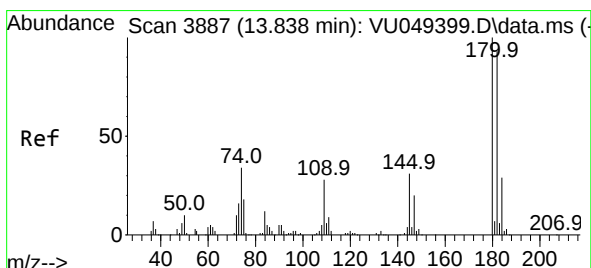
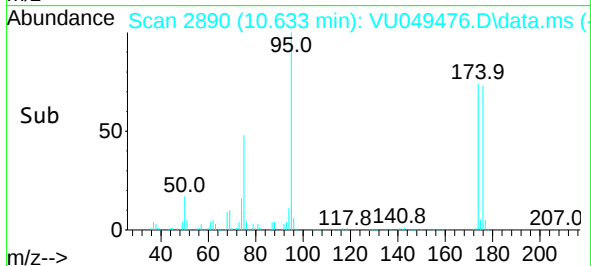
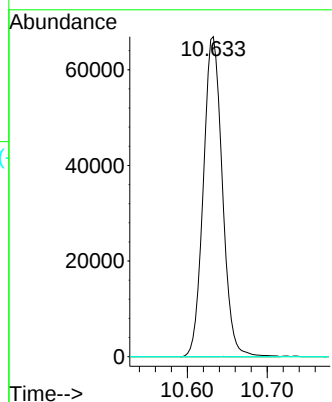
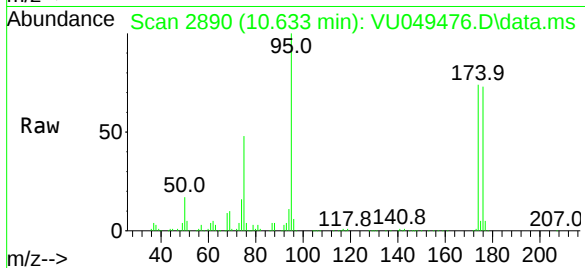




#81
trans-1,4-Dichloro-2-butene
Concen: 57.924 ug/l
RT: 10.633 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

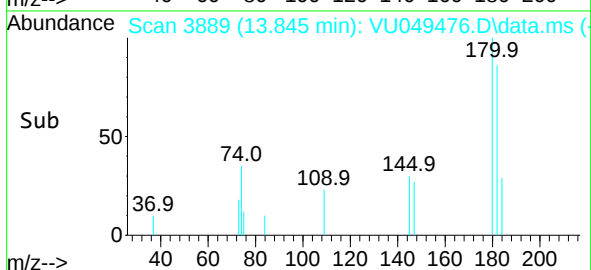
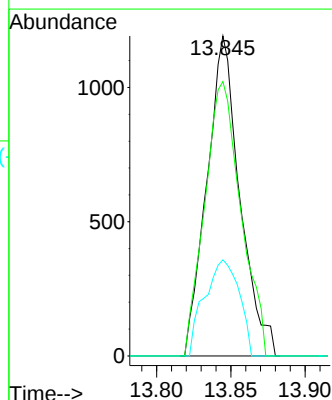
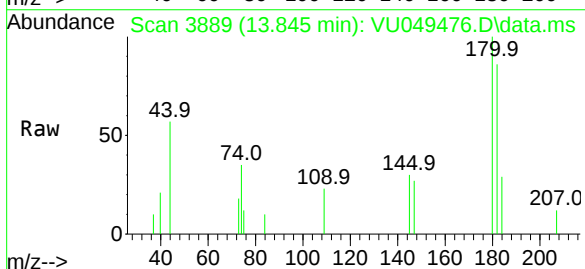
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

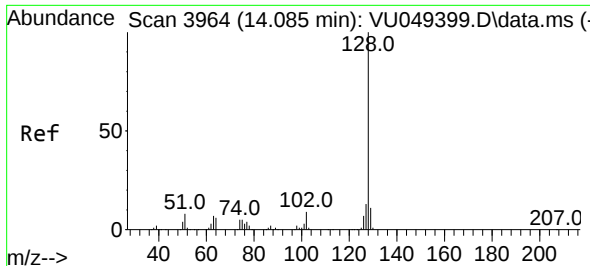
Tgt Ion: 75 Resp: 110621
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.135 ug/l
RT: 13.845 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion:180 Resp: 1843
Ion Ratio Lower Upper
180 100
182 93.5 47.9 143.6
145 31.4 14.0 41.9

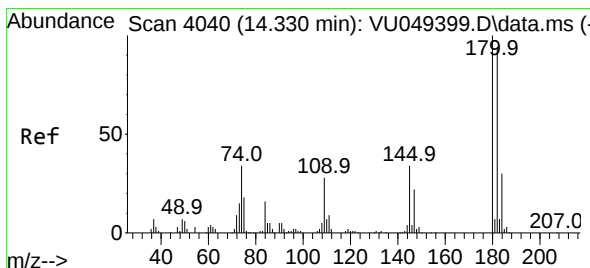
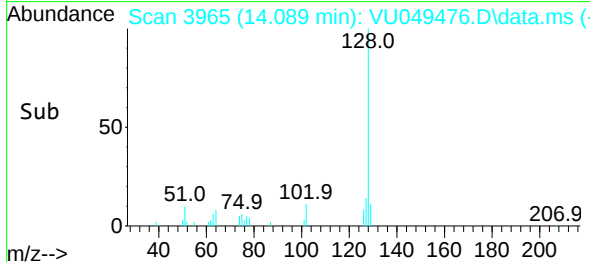
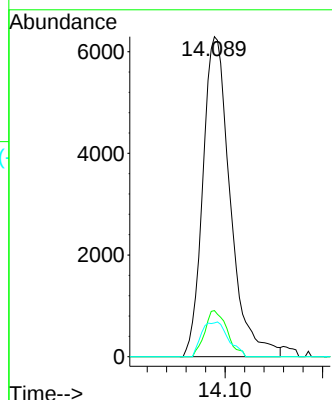
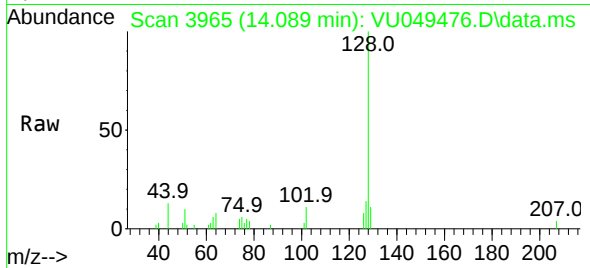




#95
Naphthalene
Concen: 2.464 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL02

Tgt Ion:128	Resp:	12277
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.3 15.5
129	10.6	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.685 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.004 min
Lab File: VU049476.D
Acq: 28 Jun 2022 22:39

Tgt Ion:180	Resp:	2493
Ion Ratio	Lower	Upper
180	100	
182	91.9	48.4 145.0
145	31.0	14.8 44.4

