

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045407.D
 Acq On : 26 Oct 2021 17:46
 Operator : SY/MD
 Sample : M4360-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 04:41:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

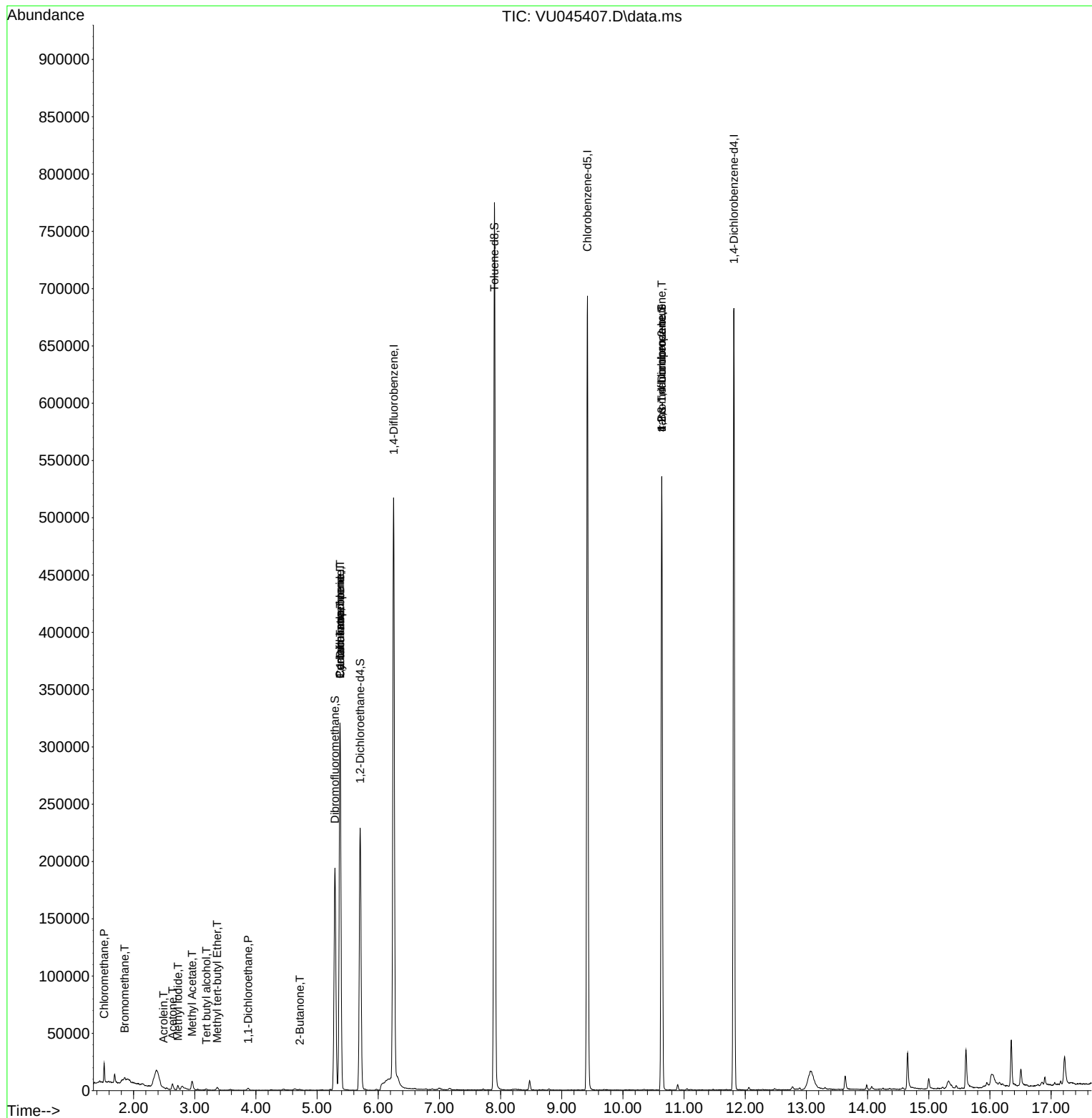
Internal Standards						
1) Pentafluorobenzene	5.375	168	210780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	399781	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	370361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	165509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	171496	48.877	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.760%
35) Dibromofluoromethane	5.292	113	124648	49.425	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	7.899	98	505859	50.765	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.540%
62) 4-Bromofluorobenzene	10.635	95	180771	43.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.880%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	11261	3.331	ug/l	98
5) Bromomethane	1.854	94	962	0.726	ug/l	96
10) Methyl Iodide	2.726	142	3825	1.413	ug/l	97
11) Tert butyl alcohol	3.189	59	710	0.705	ug/l #	72
13) Acrolein	2.491	56	598	6.132	ug/l #	74
16) Acetone	2.639	43	6399	3.072	ug/l	95
18) Methyl Acetate	2.957	43	10392	1.707	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	2479	0.257	ug/l #	90
24) 1,1-Dichloroethane	3.874	63	2515	0.464	ug/l #	90
25) 2-Butanone	4.716	43	1300	0.439	ug/l #	87
31) Cyclohexane	5.375	56	5211	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19089	4.566	ug/l #	49
38) Carbon Tetrachloride	5.375	117	22281	6.159	ug/l #	15
49) 1,4-Dioxane	6.989	88	610	Below Cal	#	58
76) 1,2,3-Trichloropropane	10.635	75	95332	19.747	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	95332	54.802	ug/l #	9

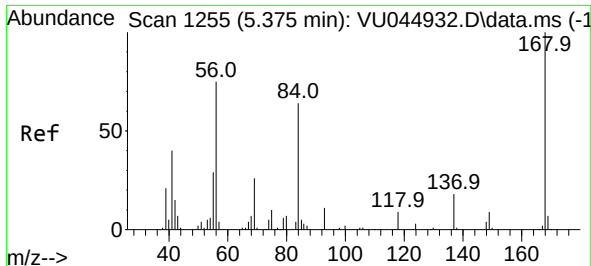
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
Data File : VU045407.D
Acq On : 26 Oct 2021 17:46
Operator : SY/MD
Sample : M4360-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

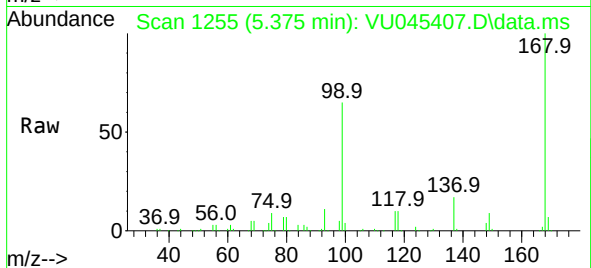
Quant Time: Oct 27 04:41:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration



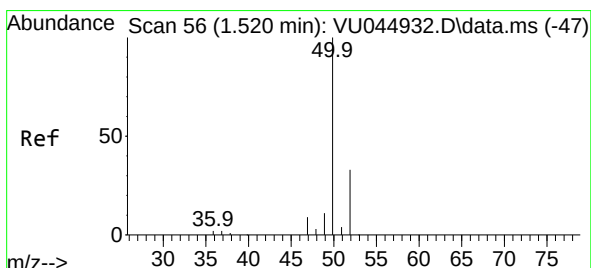
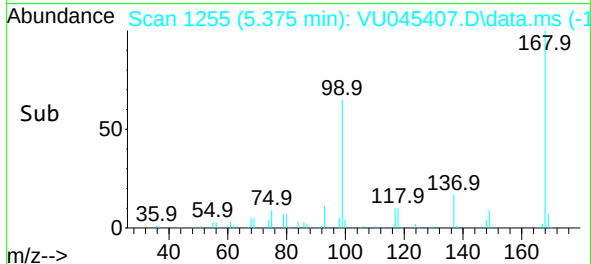
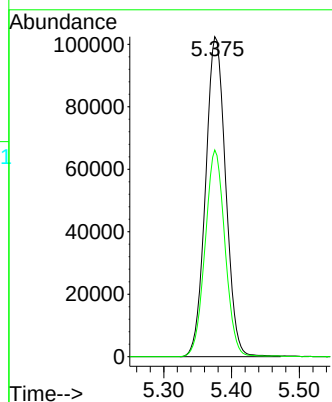


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

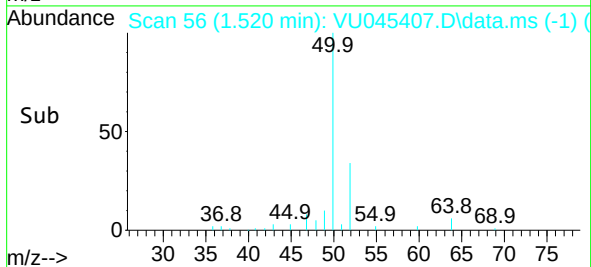
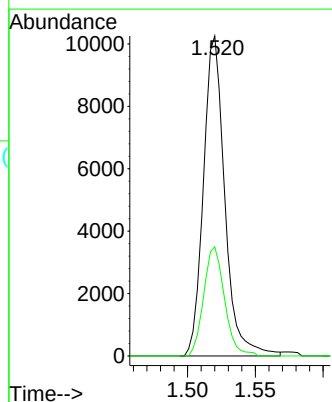
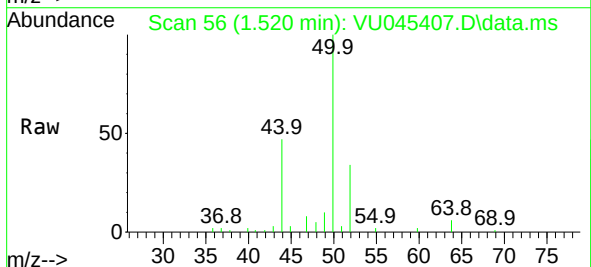


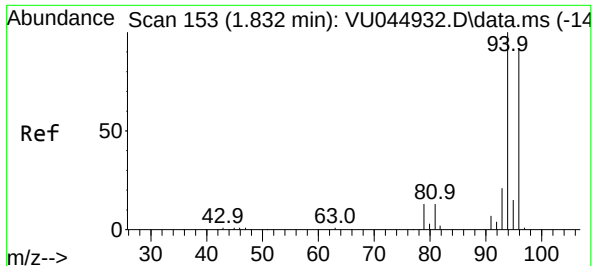
Tgt Ion:168 Resp: 210780
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 3.331 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 50 Resp: 11261
Ion Ratio Lower Upper
50 100
52 34.1 26.3 39.5

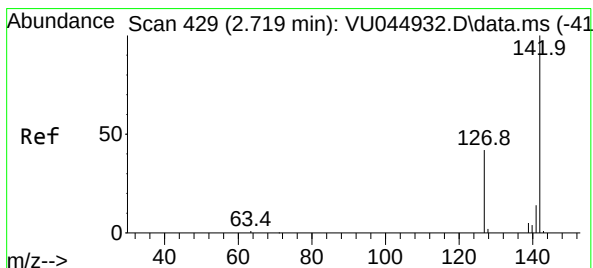
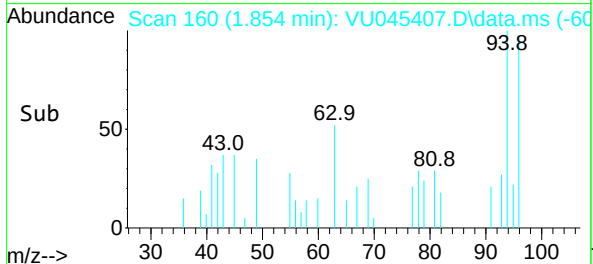
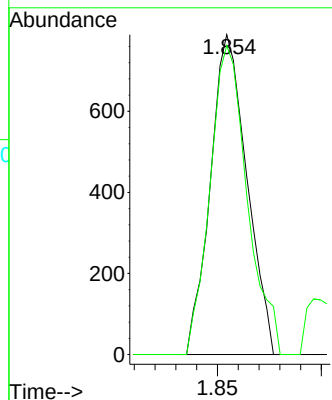
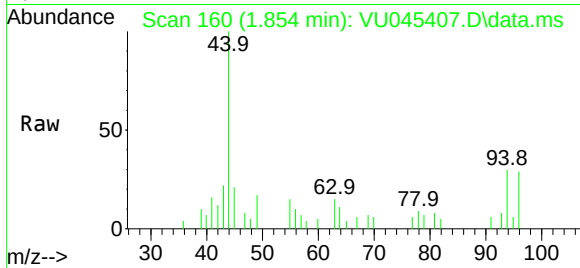




#5
Bromomethane
Concen: 0.726 ug/l
RT: 1.854 min Scan# 11
Delta R.T. 0.022 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

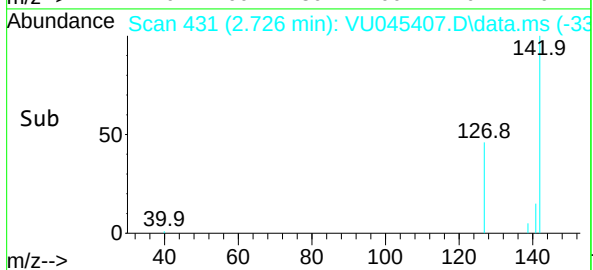
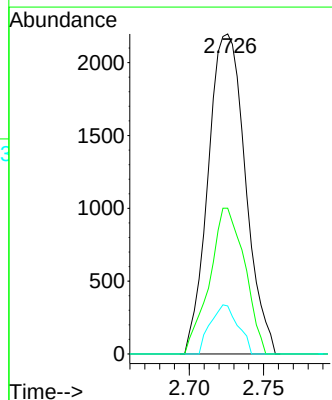
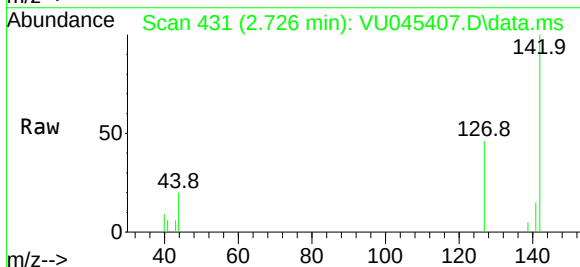
Instrument :
MSVOA_U
ClientSampleId :

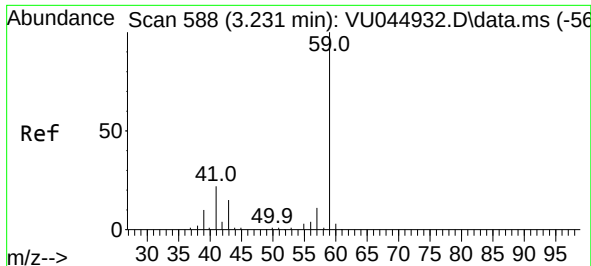
Tgt Ion: 94 Resp: 962
Ion Ratio Lower Upper
94 100
96 96.6 74.5 111.7



#10
Methyl Iodide
Concen: 1.413 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 142 Resp: 3825
Ion Ratio Lower Upper
142 100
127 43.0 35.6 53.4
141 11.4 11.3 16.9





#11

Tert butyl alcohol

Concen: 0.705 ug/l

RT: 3.189 min Scan# 51

Delta R.T. -0.042 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

Instrument :

MSVOA_U

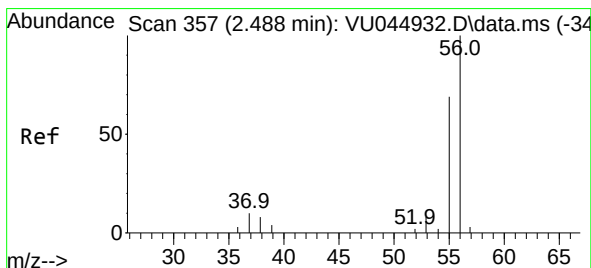
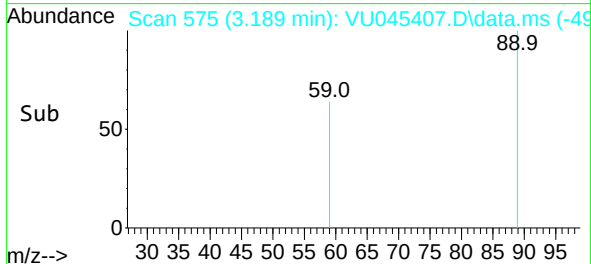
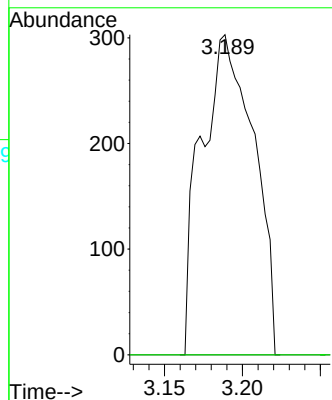
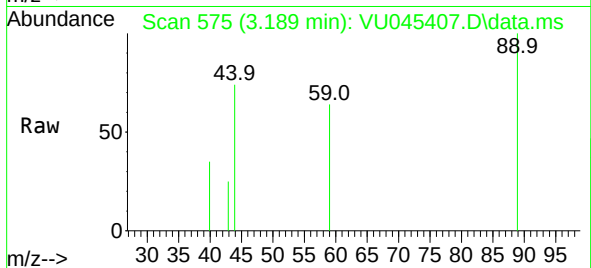
ClientSampleId :

Tgt Ion: 59 Resp: 710

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 6.132 ug/l

RT: 2.491 min Scan# 358

Delta R.T. 0.003 min

Lab File: VU045407.D

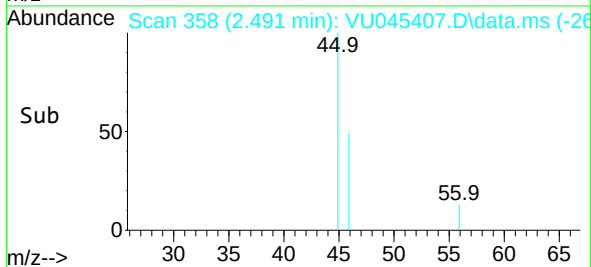
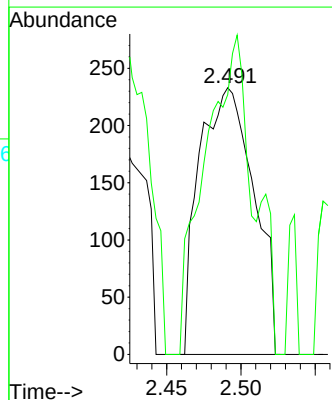
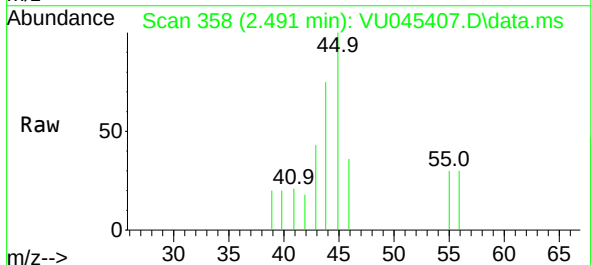
Acq: 26 Oct 2021 17:46

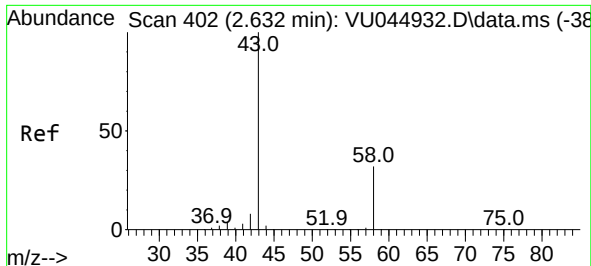
Tgt Ion: 56 Resp: 598

Ion Ratio Lower Upper

56 100

55 93.6 57.4 86.0#

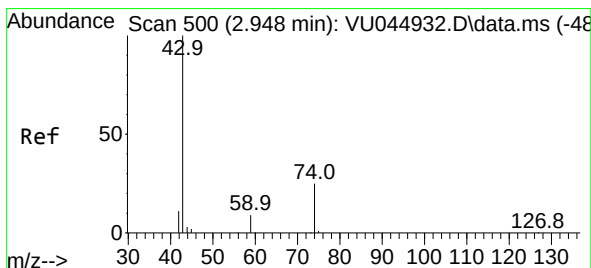
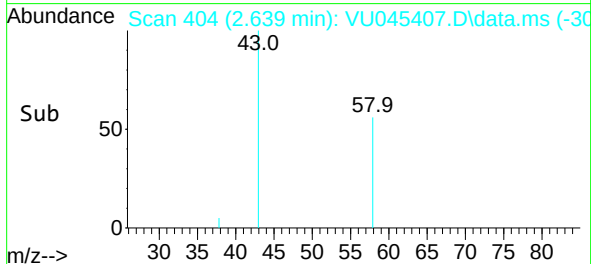
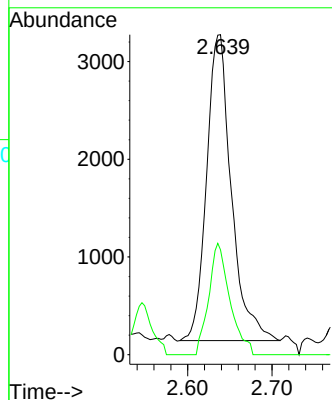
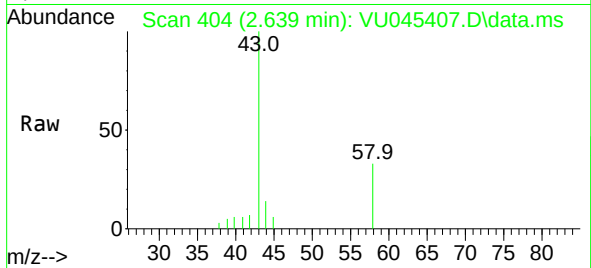




#16
Acetone
Concen: 3.072 ug/l
RT: 2.639 min Scan# 40
Delta R.T. 0.007 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

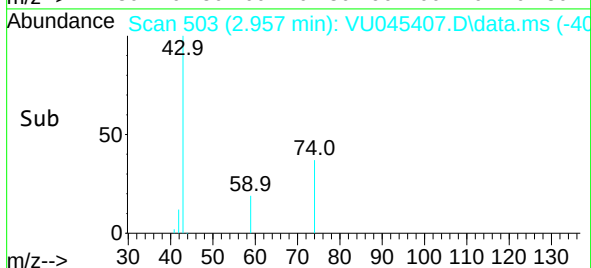
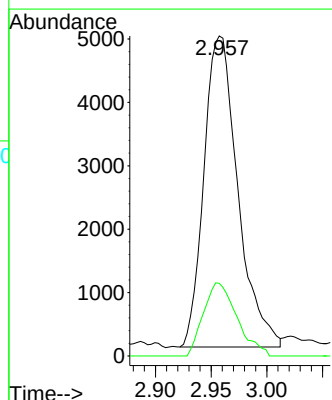
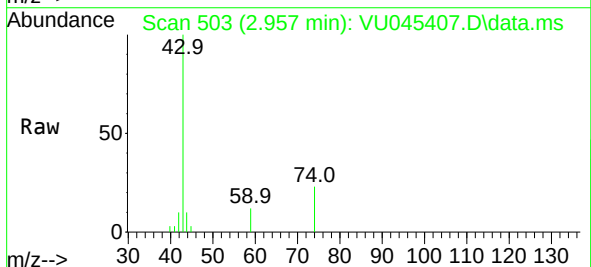
Instrument :
MSVOA_U
ClientSampleId :

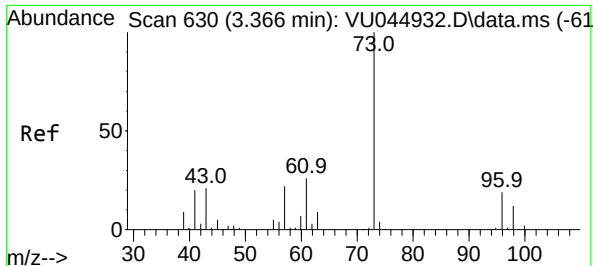
Tgt Ion: 43 Resp: 6399
Ion Ratio Lower Upper
43 100
58 34.3 25.2 37.8



#18
Methyl Acetate
Concen: 1.707 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 43 Resp: 10392
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.6





#19

Methyl tert-butyl Ether

Concen: 0.257 ug/l

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

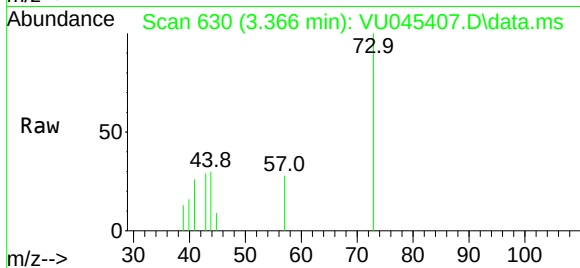
Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

Instrument :

MSVOA_U

ClientSampleId :

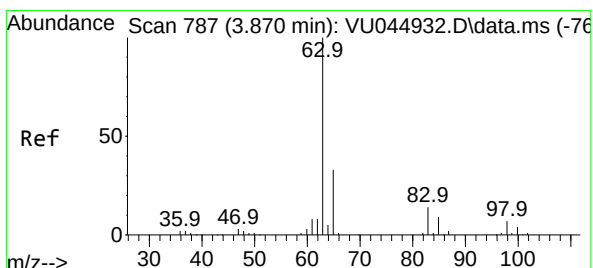
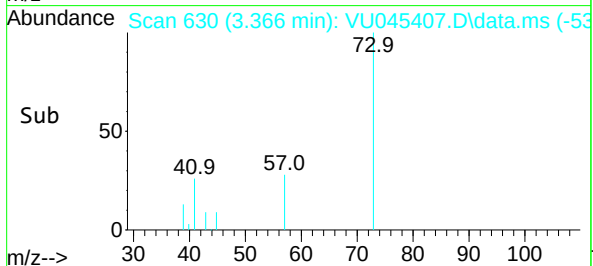
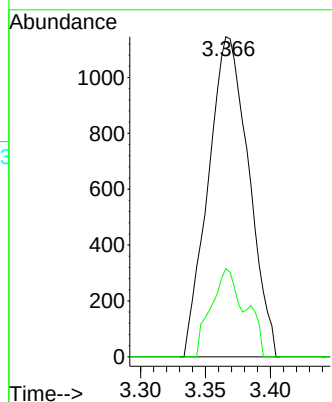


Tgt Ion: 73 Resp: 2479

Ion Ratio Lower Upper

73 100

57 27.6 18.2 27.2#



#24

1,1-Dichloroethane

Concen: 0.464 ug/l

RT: 3.874 min Scan# 788

Delta R.T. 0.004 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

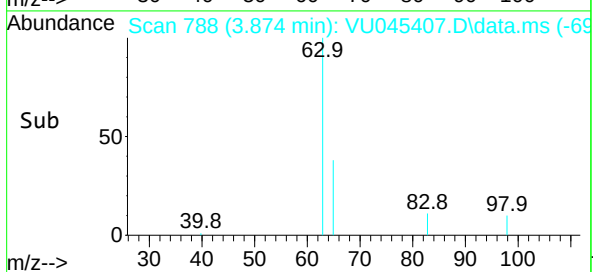
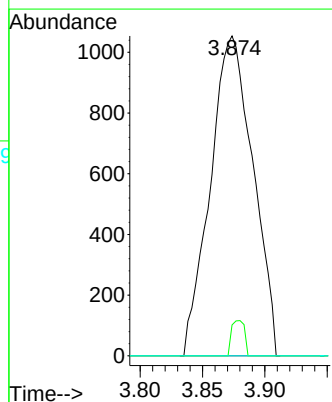
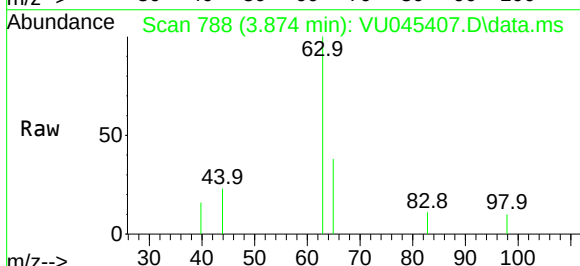
Tgt Ion: 63 Resp: 2515

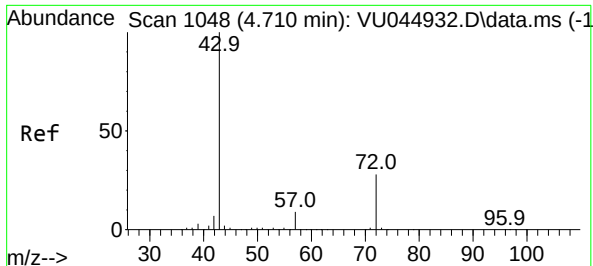
Ion Ratio Lower Upper

63 100

98 9.7 3.5 10.4

100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 0.439 ug/l

RT: 4.716 min Scan# 1048

Delta R.T. 0.006 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

Instrument :

MSVOA_U

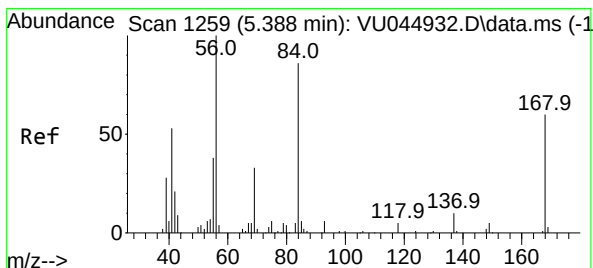
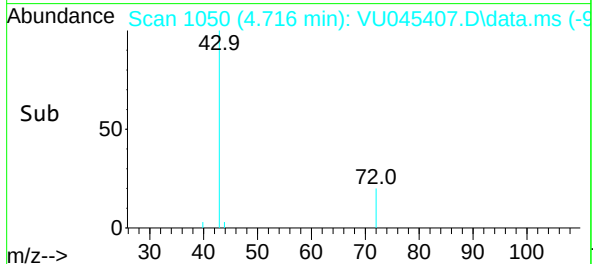
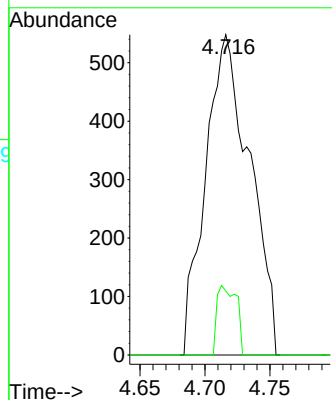
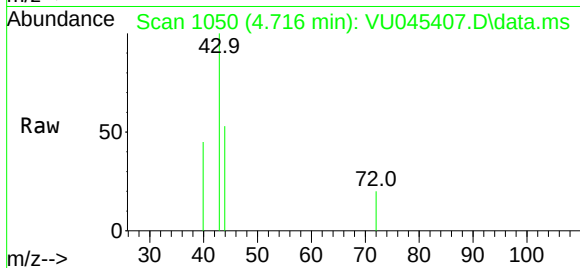
ClientSampleId :

Tgt Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

72 19.9 21.3 31.9#



#31

Cyclohexane

Concen: 0.978 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.013 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

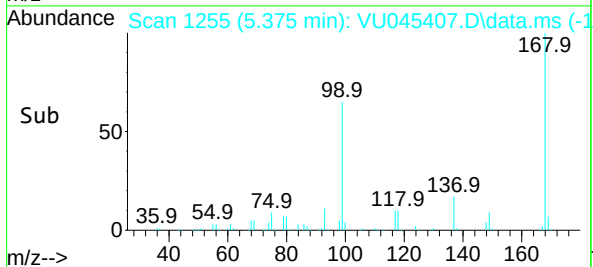
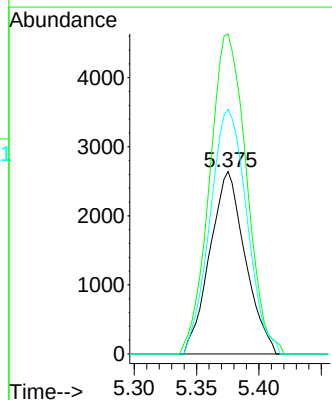
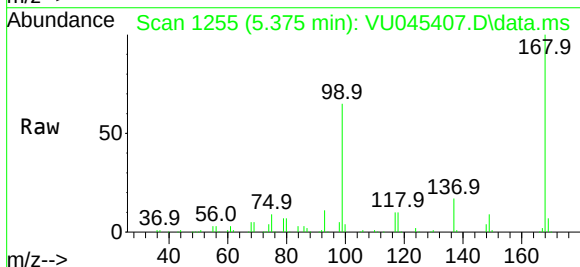
Tgt Ion: 56 Resp: 5211

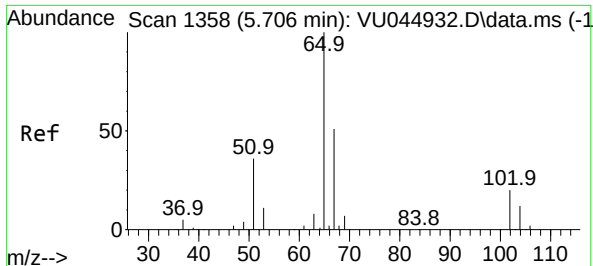
Ion Ratio Lower Upper

56 100

69 175.5 25.2 37.8#

84 134.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 5.703 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

Instrument :

MSVOA_U

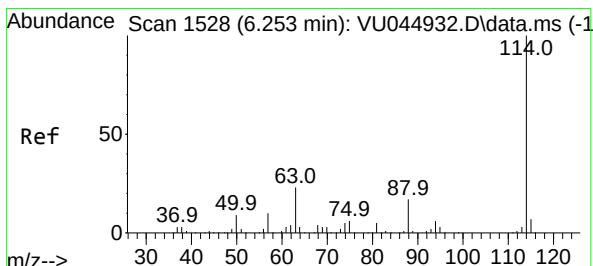
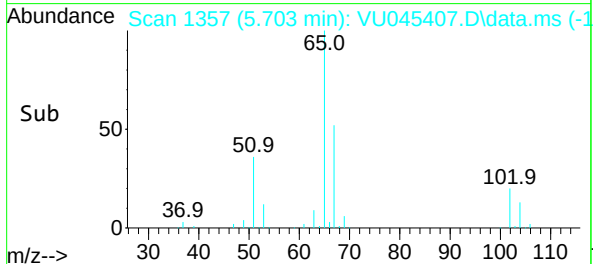
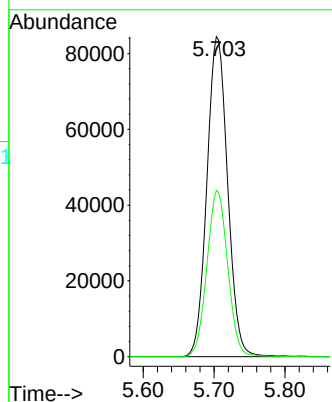
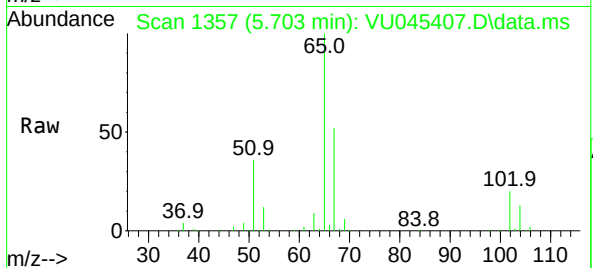
ClientSampleId :

Tgt Ion: 65 Resp: 171496

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

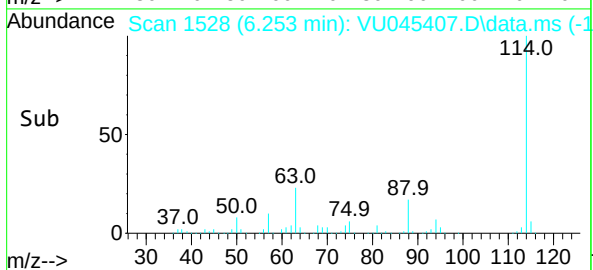
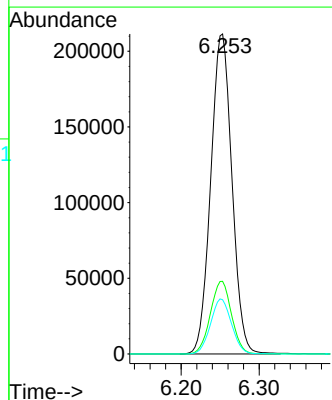
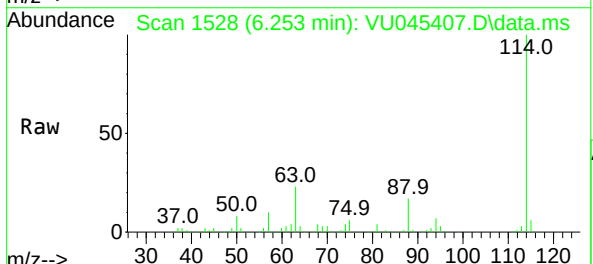
Tgt Ion: 114 Resp: 399781

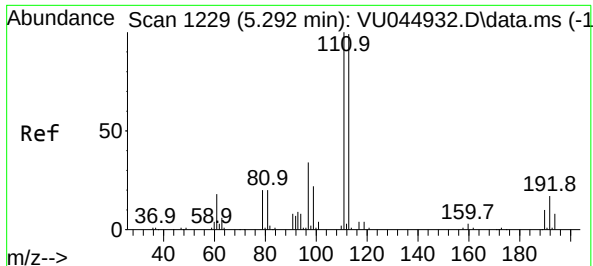
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.425 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

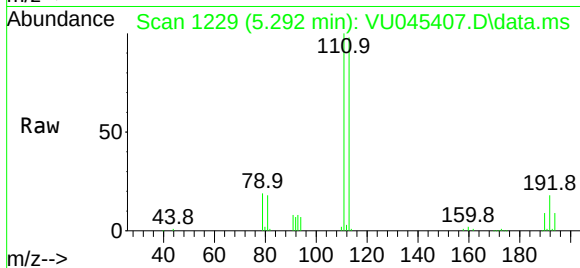
Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

Instrument :

MSVOA_U

ClientSampleId :



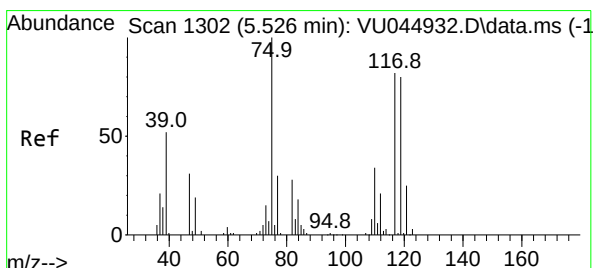
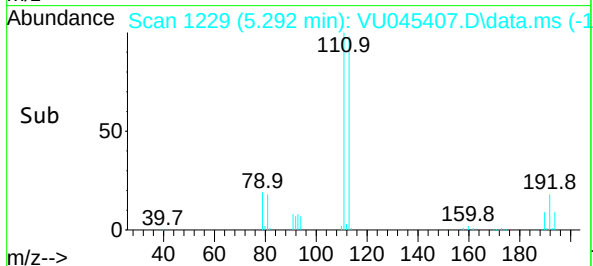
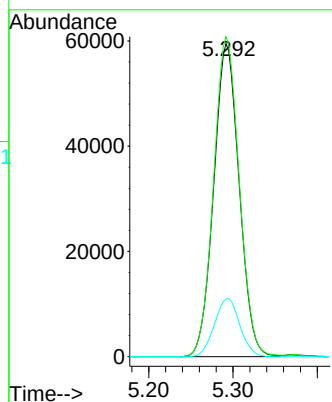
Tgt Ion:113 Resp: 124648

Ion Ratio Lower Upper

113 100

111 103.0 84.1 126.1

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU045407.D

Acq: 26 Oct 2021 17:46

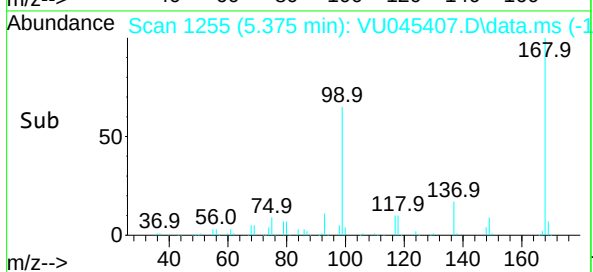
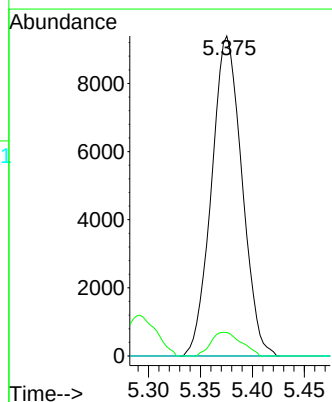
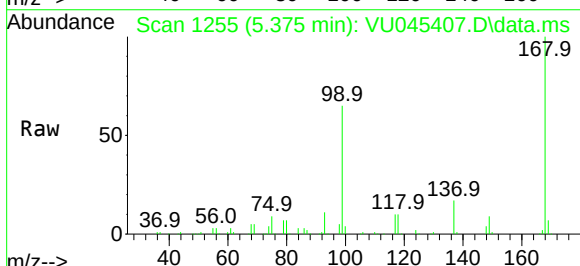
Tgt Ion: 75 Resp: 19089

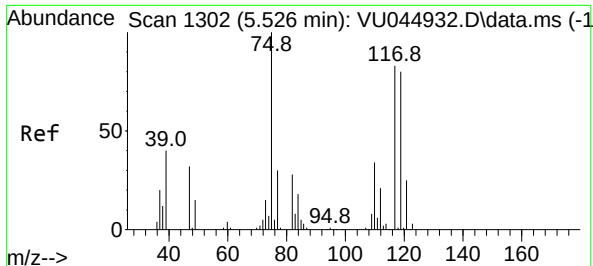
Ion Ratio Lower Upper

75 100

110 7.4 16.3 48.9#

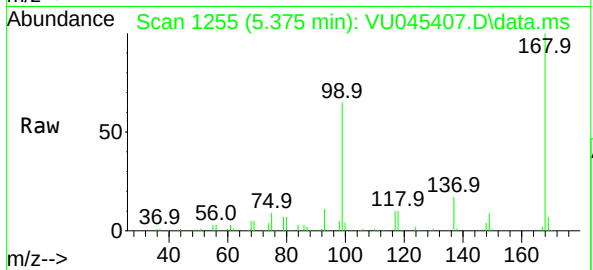
77 0.0 25.0 37.4#



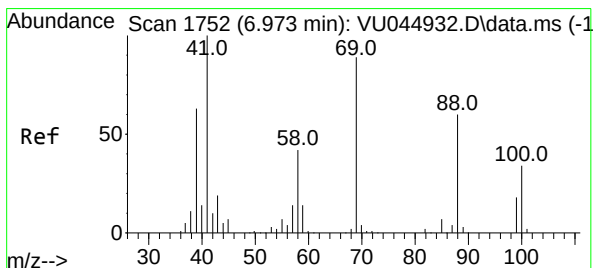
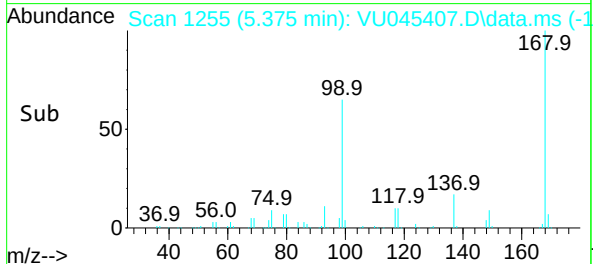
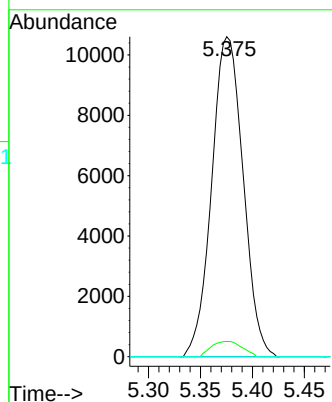


#38
Carbon Tetrachloride
Concen: 6.159 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

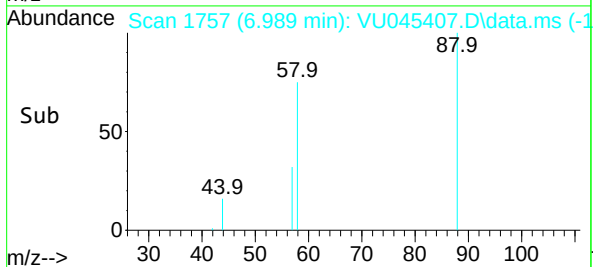
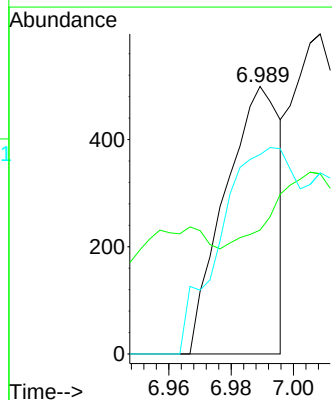
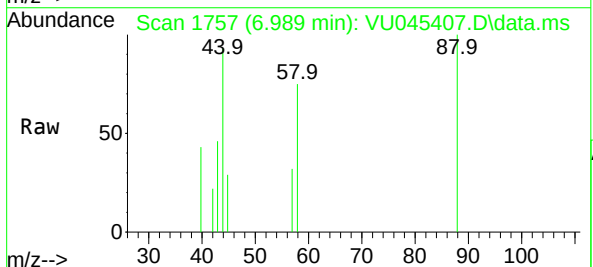


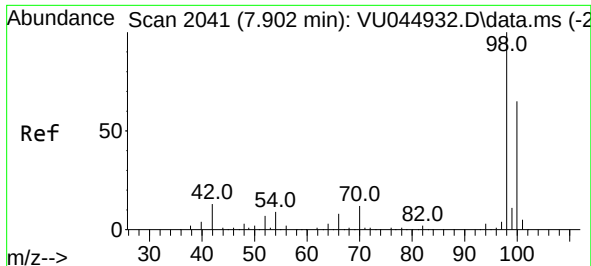
Tgt Ion:117 Resp: 22281
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.2#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.989 min Scan# 1757
Delta R.T. 0.016 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 88 Resp: 610
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 107.4 61.3 91.9#

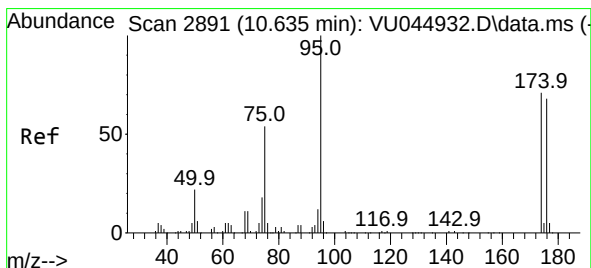
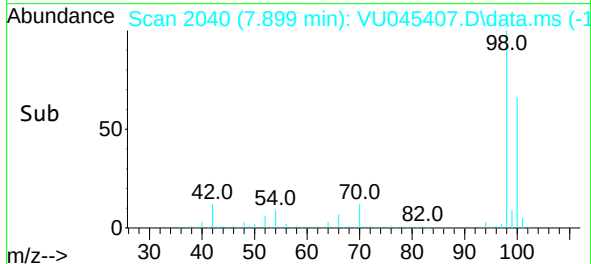
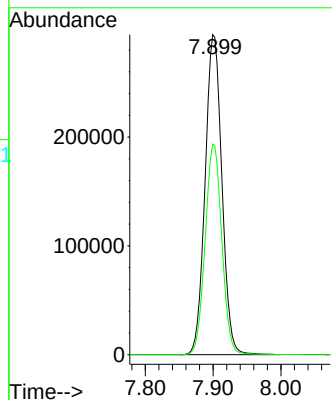
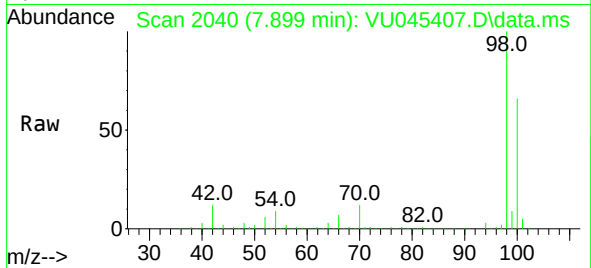




#50
Toluene-d8
Concen: 50.765 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

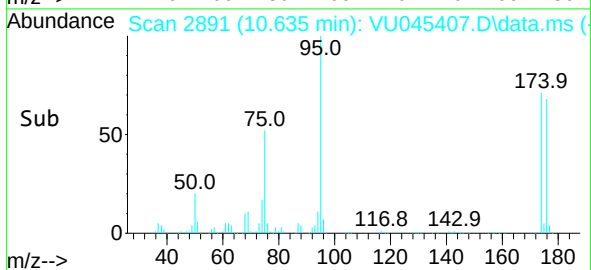
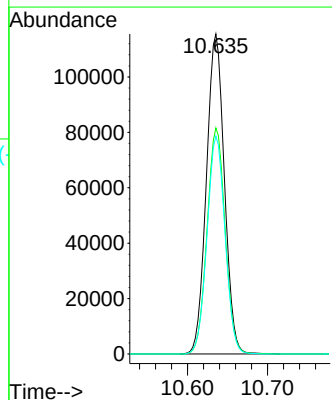
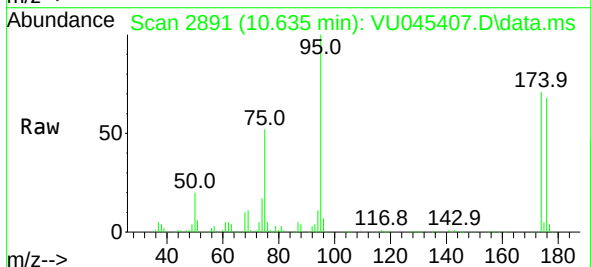
Instrument :
MSVOA_U
ClientSampleId :

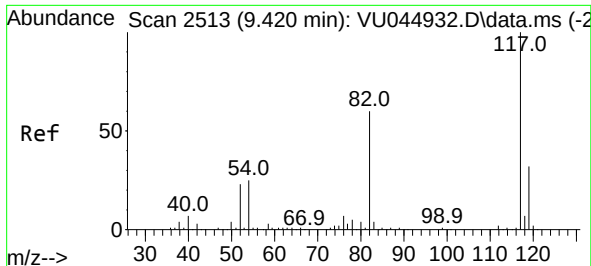
Tgt Ion: 98 Resp: 505859
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 43.941 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 95 Resp: 180771
Ion Ratio Lower Upper
95 100
174 71.0 0.0 146.6
176 68.0 0.0 141.2

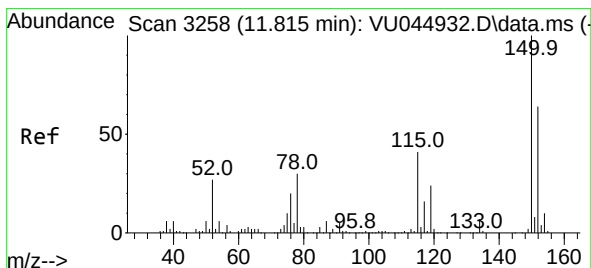
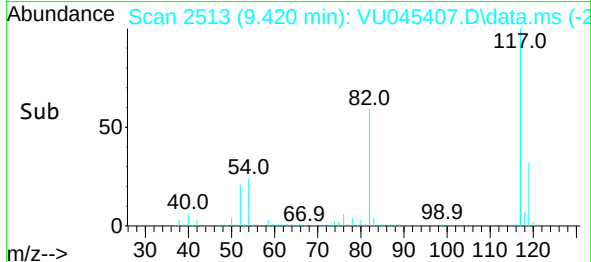
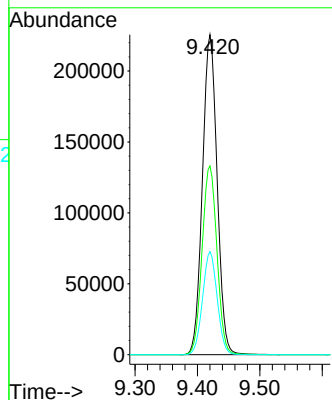
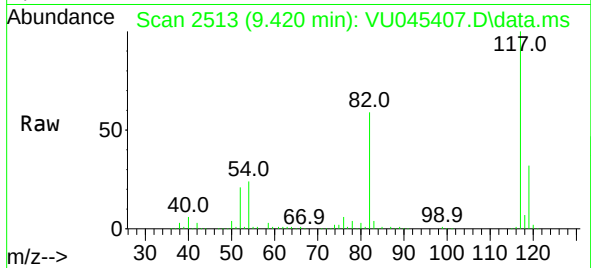




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

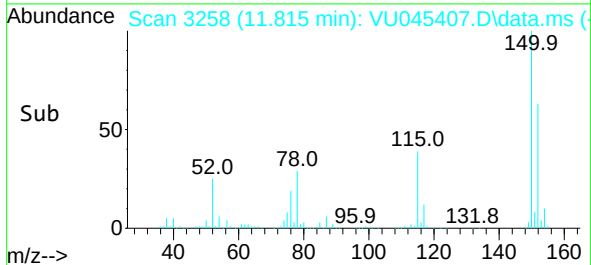
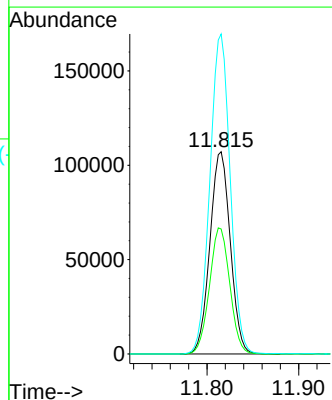
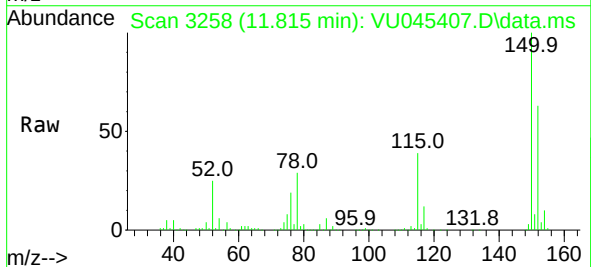
Instrument :
MSVOA_U
ClientSampleId :

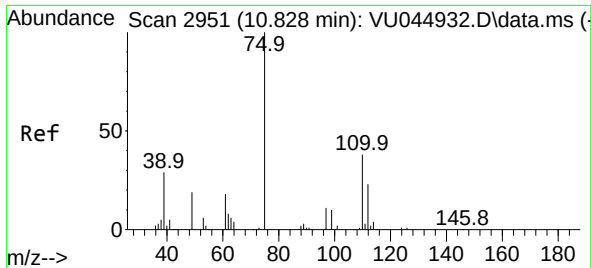
Tgt Ion:117 Resp: 370361
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion:152 Resp: 165509
Ion Ratio Lower Upper
152 100
115 62.0 43.5 130.7
150 157.6 0.0 350.0

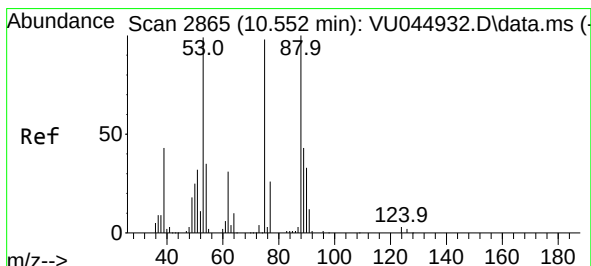
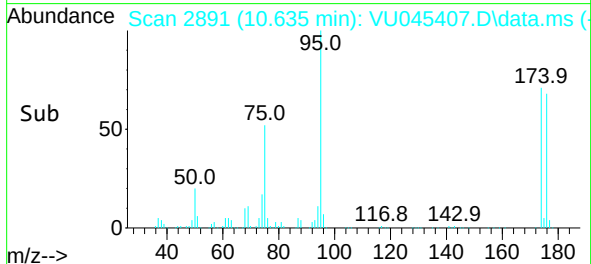
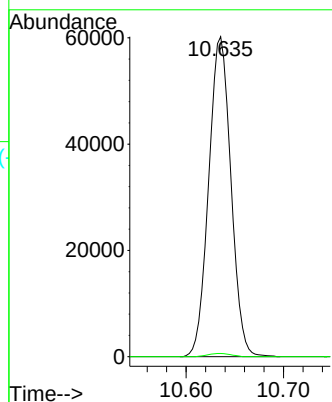
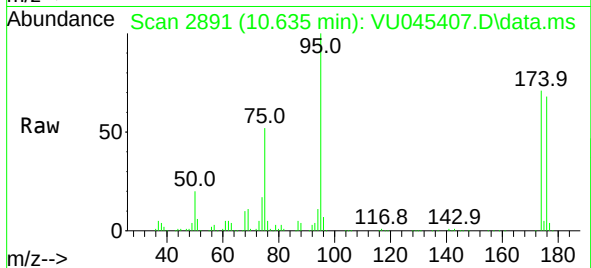




#76
1,2,3-Trichloropropane
Concen: 19.747 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 95332
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.802 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045407.D
Acq: 26 Oct 2021 17:46

Tgt Ion: 75 Resp: 95332
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

