

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045461.D
 Acq On : 29 Oct 2021 14:12
 Operator : SY/MD
 Sample : M4360-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:05:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

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

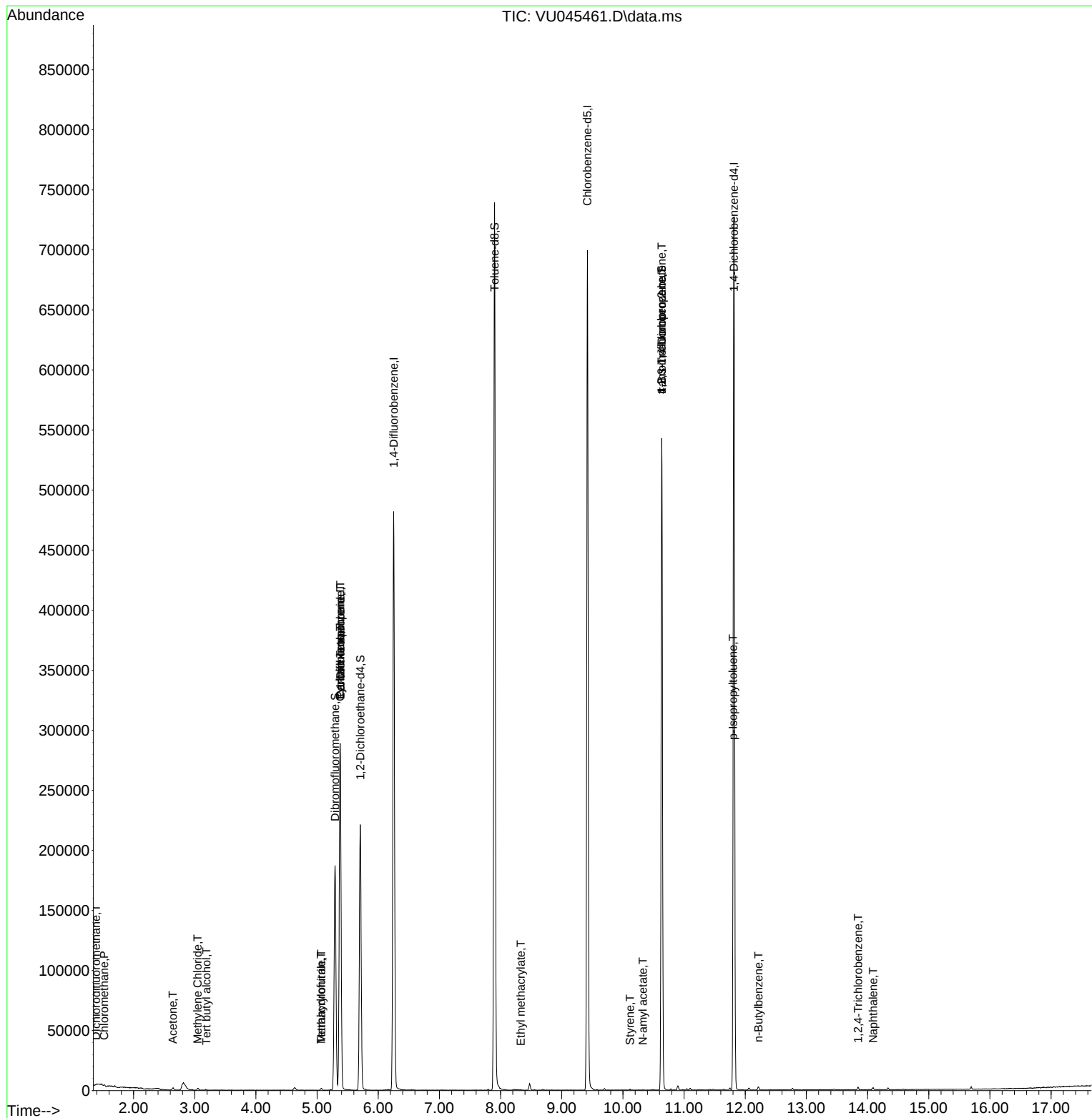
Internal Standards						
1) Pentafluorobenzene	5.379	168	192137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	379826	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	371000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	180183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	164772	52.676	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.360%
35) Dibromofluoromethane	5.295	113	120428	49.864	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.720%
50) Toluene-d8	7.903	98	485742	51.290	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.580%
62) 4-Bromofluorobenzene	10.636	95	184033	50.995	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	39	0.390	ug/l #	43
3) Chloromethane	1.520	50	1025	0.268	ug/l	97
11) Tert butyl alcohol	3.192	59	267	0.395	ug/l #	72
16) Acetone	2.642	43	2559	1.802	ug/l	91
20) Methylene Chloride	3.047	84	791	0.280	ug/l	92
29) Tetrahydrofuran	5.067	42	895	0.644	ug/l #	90
31) Cyclohexane	5.375	56	4710	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	17721	4.901	ug/l #	49
38) Carbon Tetrachloride	5.379	117	19856	6.297	ug/l #	16
41) Methacrylonitrile	5.070	41	649	0.280	ug/l #	29
56) Ethyl methacrylate	8.333	69	19	1.645	ug/l #	26
70) Styrene	10.118	104	407	1.022	ug/l #	32
74) N-amyl acetate	10.327	43	133	1.176	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	94994	19.787	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	94994	54.989	ug/l #	12
86) p-Isopropyltoluene	11.800	119	668	0.246	ug/l #	8
89) n-Butylbenzene	12.217	91	1322	1.054	ug/l	94
93) 1,2,4-Trichlorobenzene	13.844	180	823	0.220	ug/l	89
95) Naphthalene	14.092	128	1827	0.223	ug/l #	85

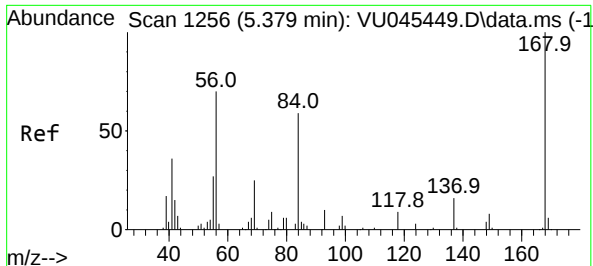
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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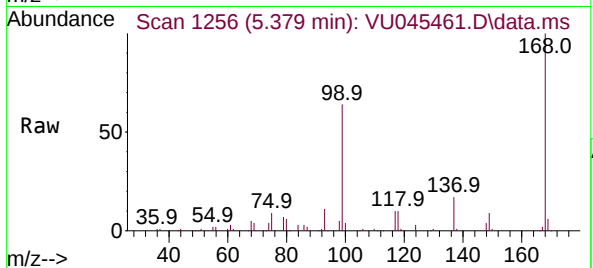
Quant Time: Oct 30 04:05:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
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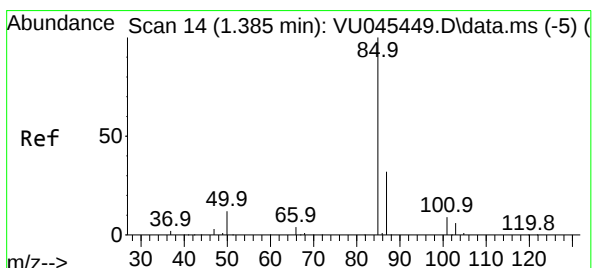
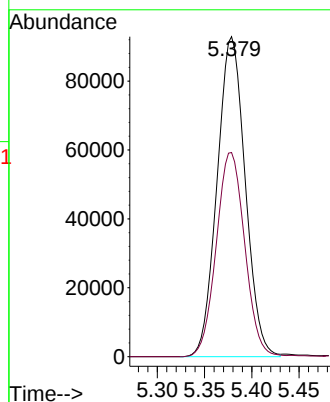
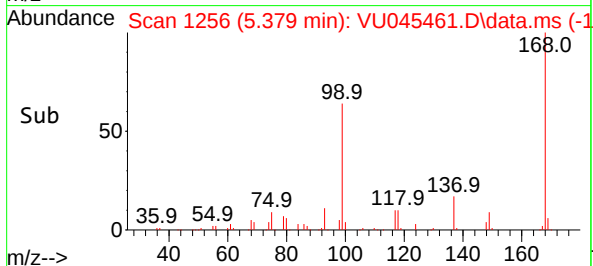


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

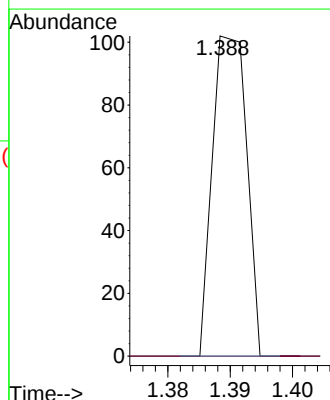
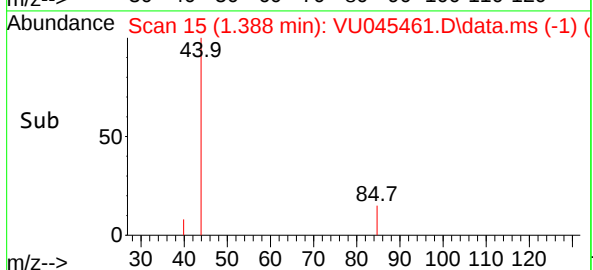
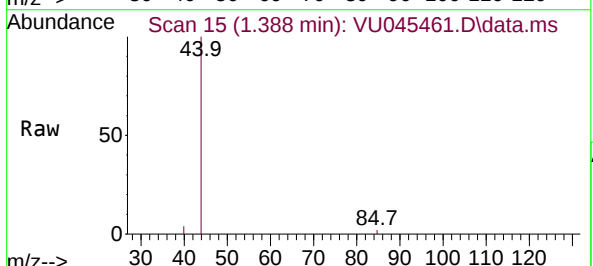


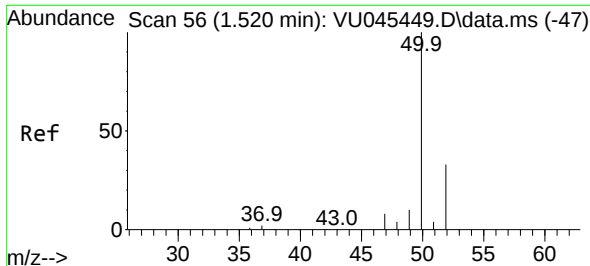
Tgt Ion:168 Resp: 192137
Ion Ratio Lower Upper
168 100
99 63.8 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.390 ug/l
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

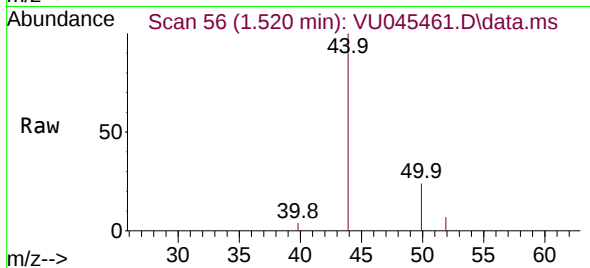
Tgt Ion: 85 Resp: 39
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#



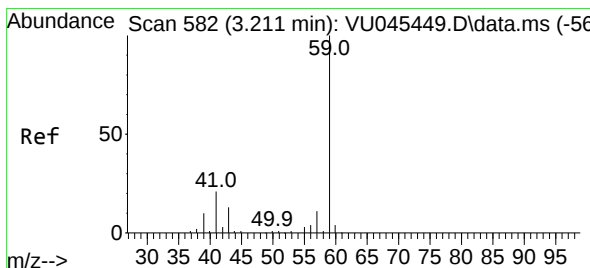
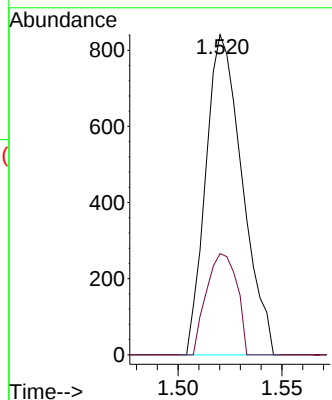
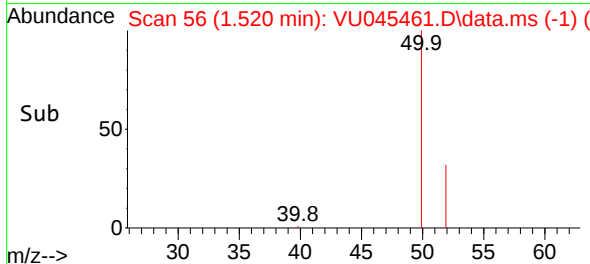


#3
Chloromethane
Concen: 0.268 ug/l
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

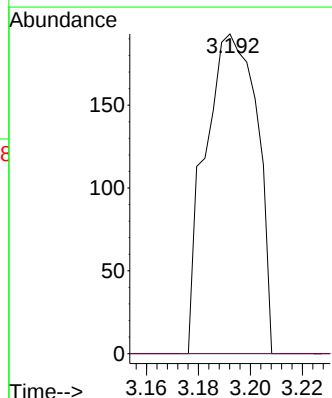
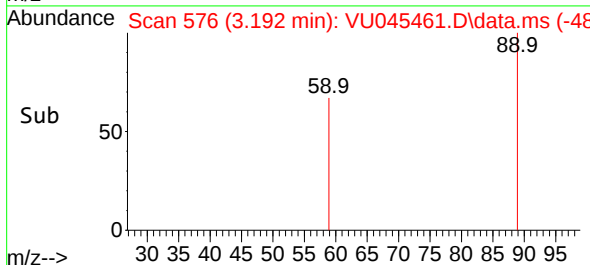
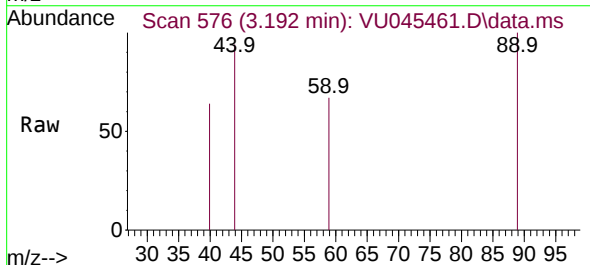


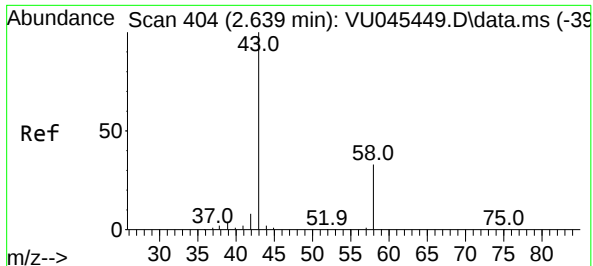
Tgt Ion: 50 Resp: 1025
Ion Ratio Lower Upper
50 100
52 31.6 26.6 40.0



#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.019 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

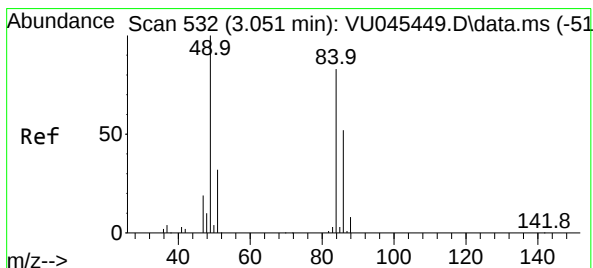
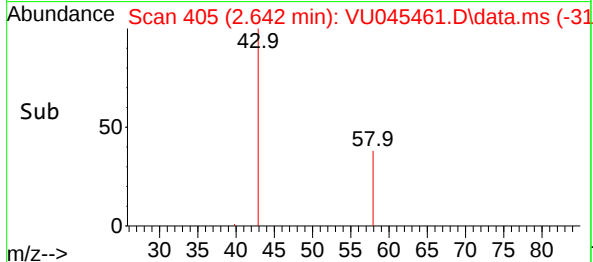
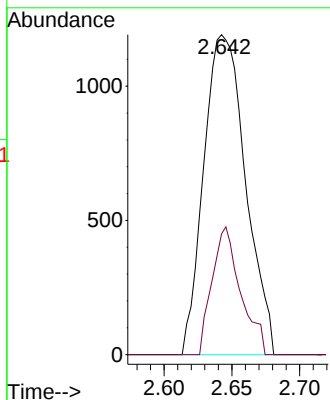
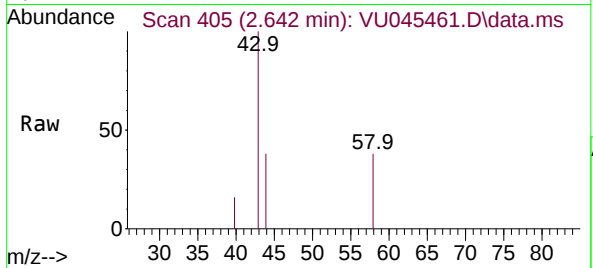




#16
Acetone
Concen: 1.802 ug/l
RT: 2.642 min Scan# 404
Delta R.T. 0.003 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

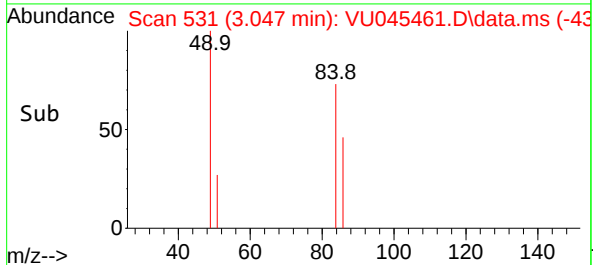
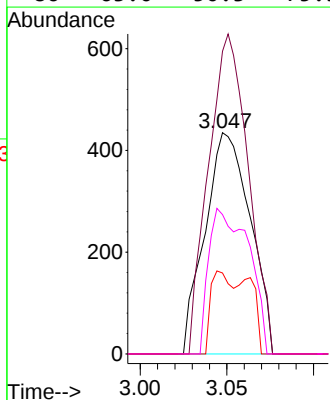
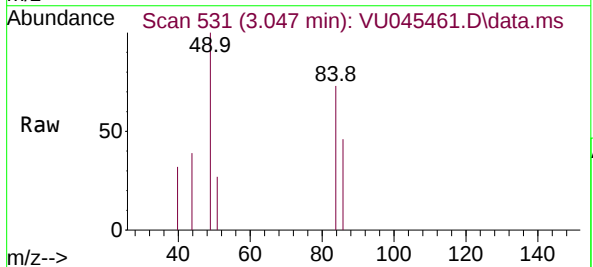
Instrument :
MSVOA_U
ClientSampleId :

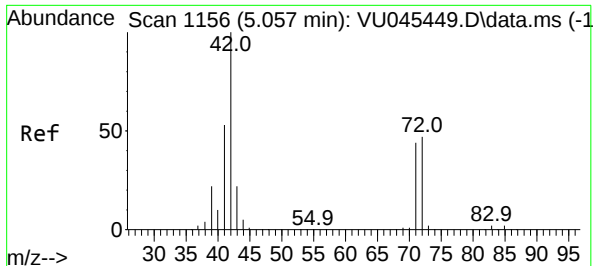
Tgt Ion: 43 Resp: 2559
Ion Ratio Lower Upper
43 100
58 37.8 26.2 39.2



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion: 84 Resp: 791
Ion Ratio Lower Upper
84 100
49 136.8 96.4 144.6
51 36.6 30.5 45.7
86 63.0 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.644 ug/l

RT: 5.067 min Scan# 1156

Delta R.T. 0.010 min

Lab File: VU045461.D

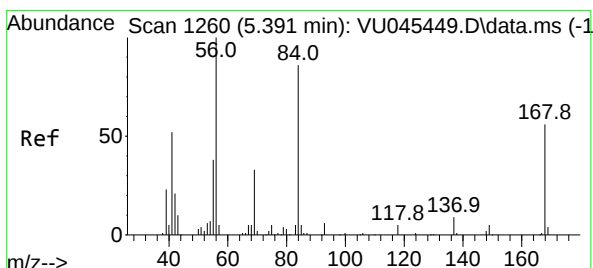
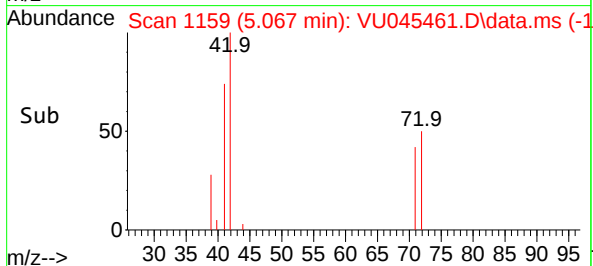
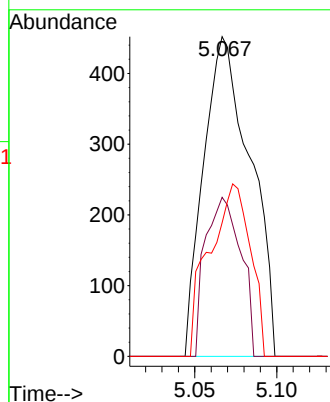
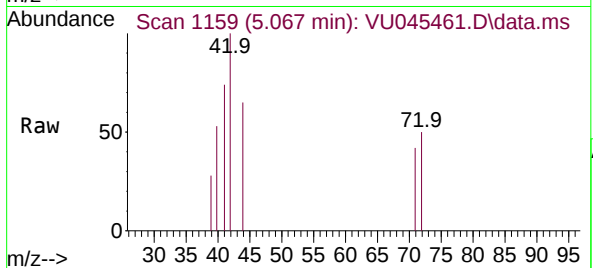
Acq: 29 Oct 2021 14:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	42	Resp:	895
Ion	Ratio	Lower	Upper
42	100		
72	37.8	38.2	57.4#
71	47.4	35.4	53.2



#31

Cyclohexane

Concen: 1.011 ug/l

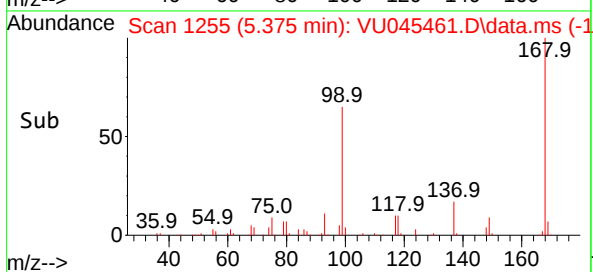
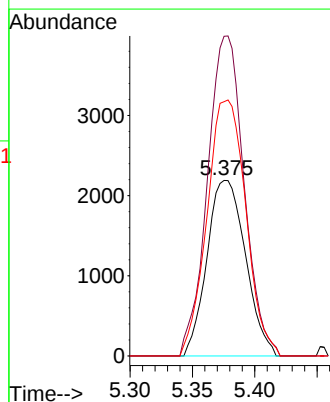
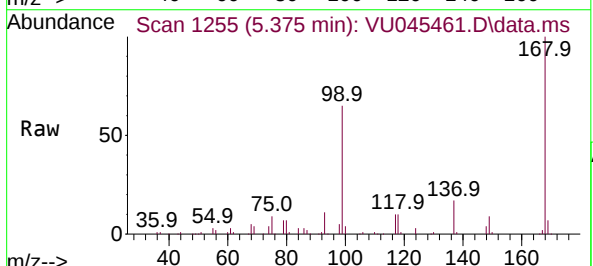
RT: 5.375 min Scan# 1255

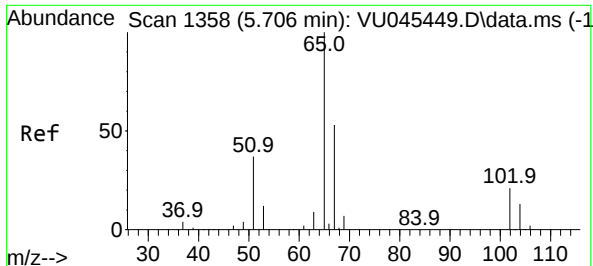
Delta R.T. -0.016 min

Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

Tgt Ion:	56	Resp:	4710
Ion	Ratio	Lower	Upper
56	100		
69	182.1	26.4	39.6#
84	144.8	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 52.676 ug/l

RT: 5.707 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

Instrument :

MSVOA_U

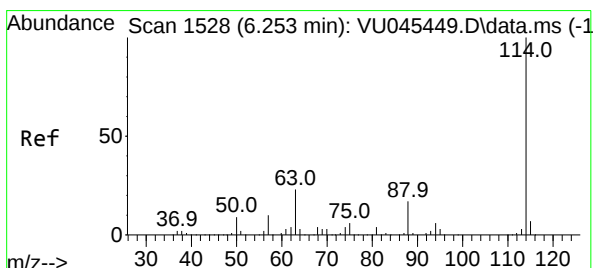
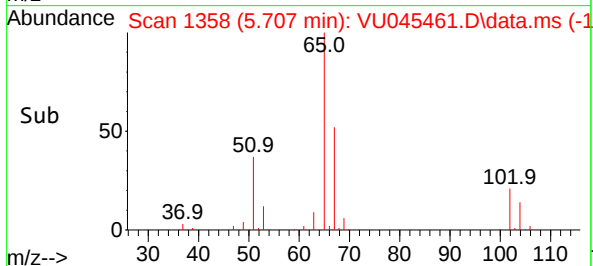
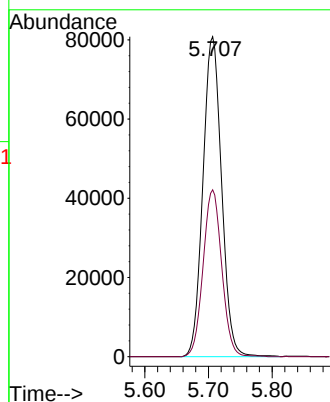
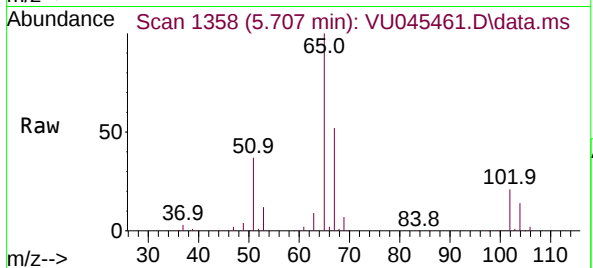
ClientSampleId :

Tgt Ion: 65 Resp: 164772

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

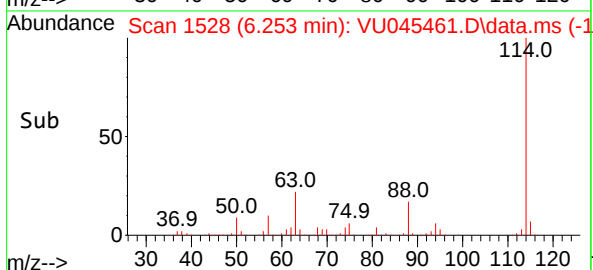
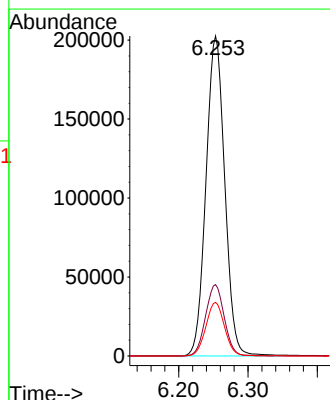
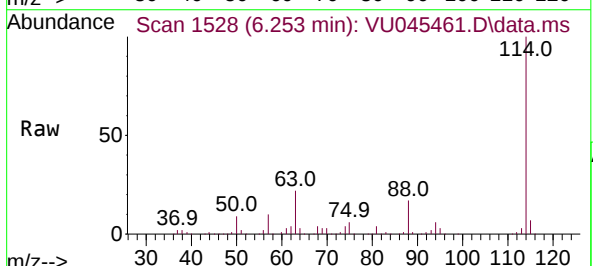
Tgt Ion: 114 Resp: 379826

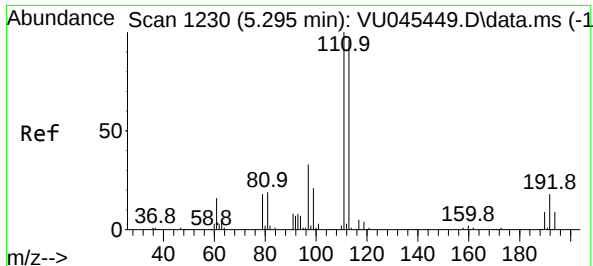
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

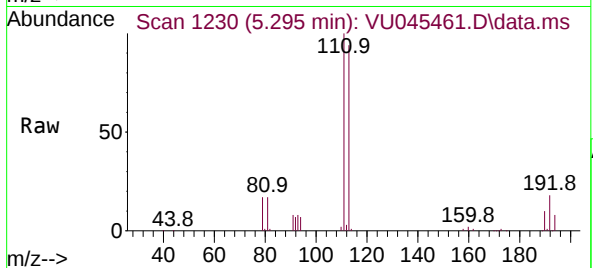
88 16.7 0.0 33.8



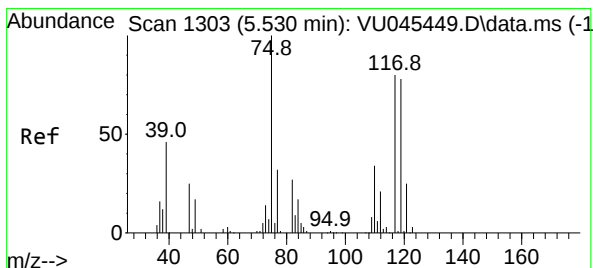
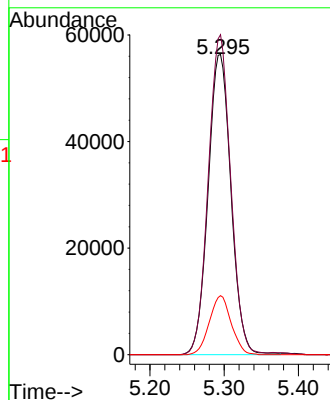
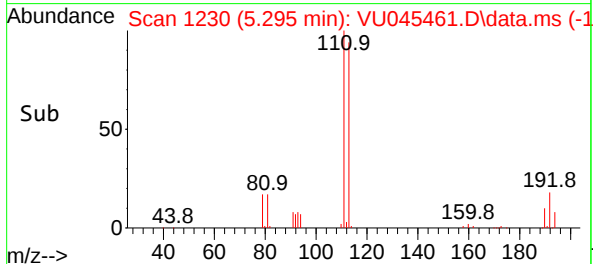


#35
Dibromofluoromethane
Concen: 49.864 ug/l
RT: 5.295 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

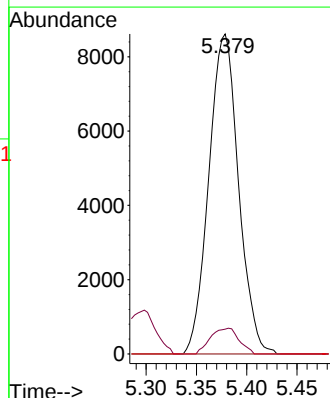
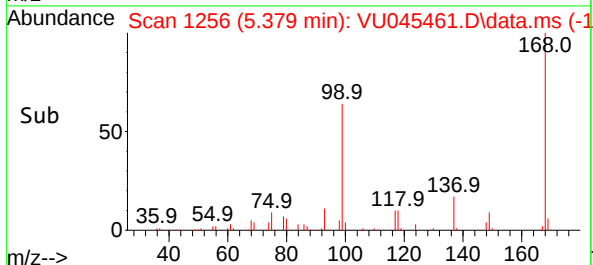
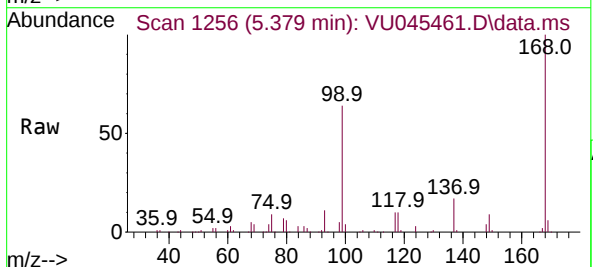


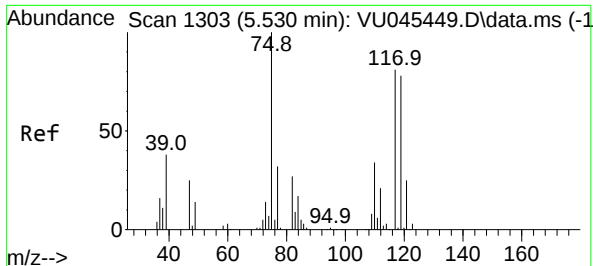
Tgt Ion:113 Resp: 120428
Ion Ratio Lower Upper
113 100
111 104.2 82.8 124.2
192 18.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

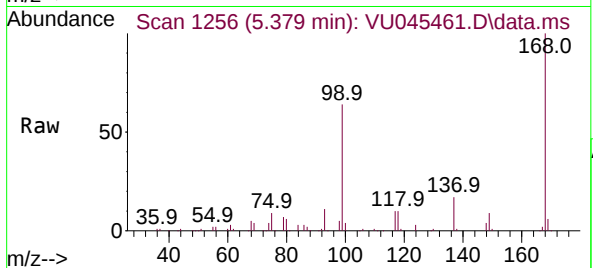
Tgt Ion: 75 Resp: 17721
Ion Ratio Lower Upper
75 100
110 7.7 16.7 50.0#
77 0.0 25.0 37.4#



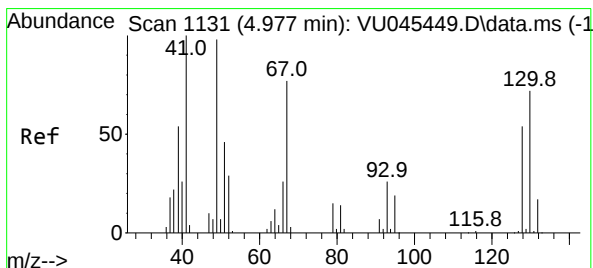
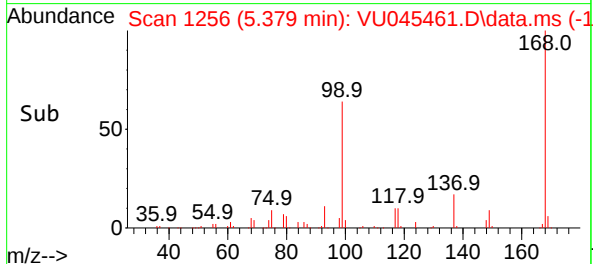
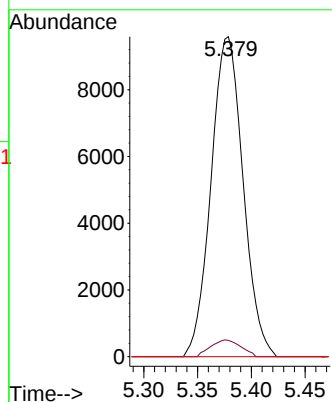


#38
Carbon Tetrachloride
Concen: 6.297 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

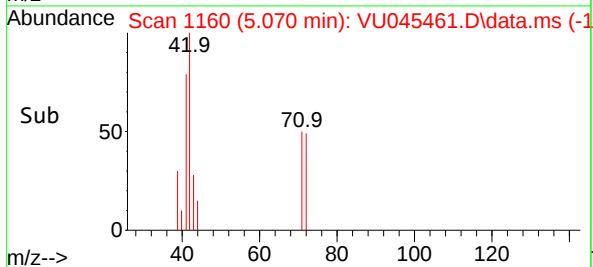
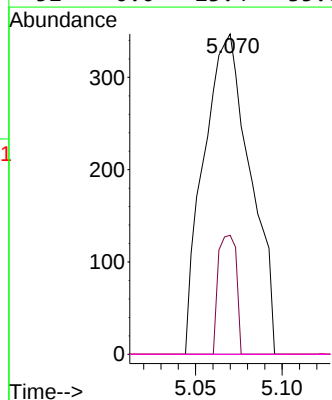
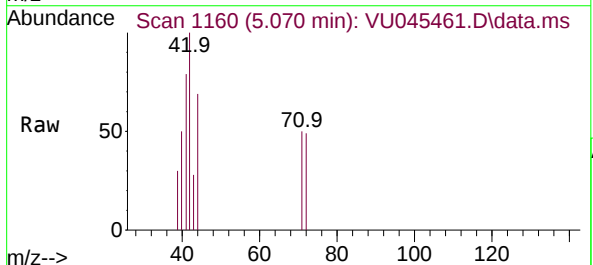


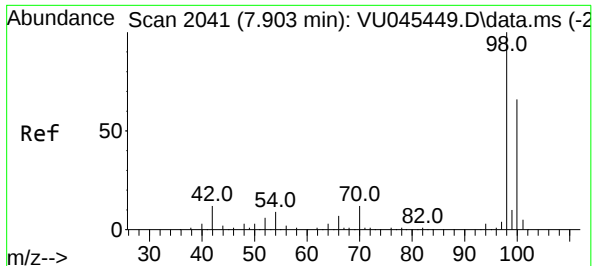
Tgt Ion:117 Resp: 19856
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.280 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.093 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

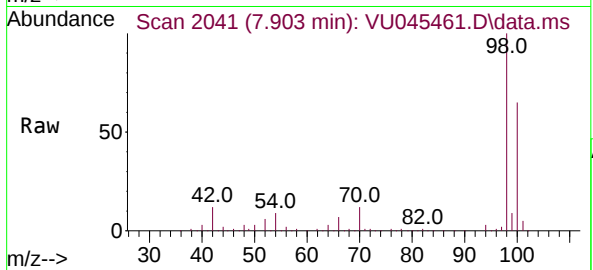
Tgt Ion: 41 Resp: 649
Ion Ratio Lower Upper
41 100
39 14.5 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#



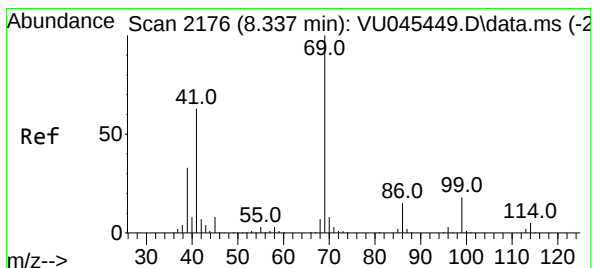
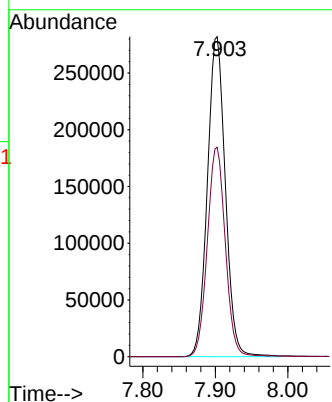
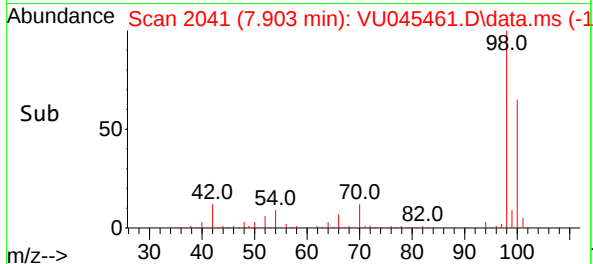


#50
Toluene-d8
Concen: 51.290 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

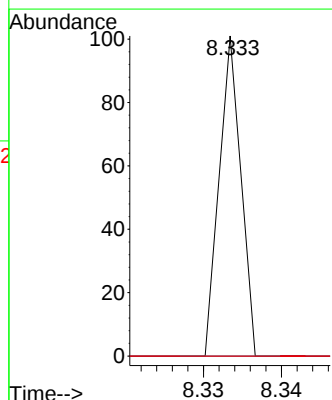
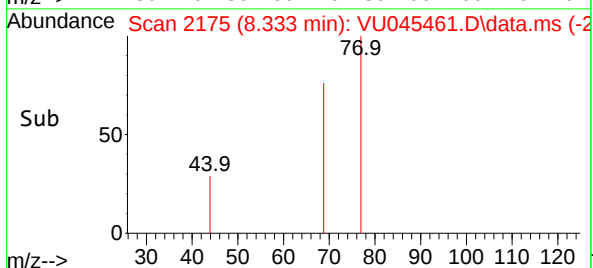
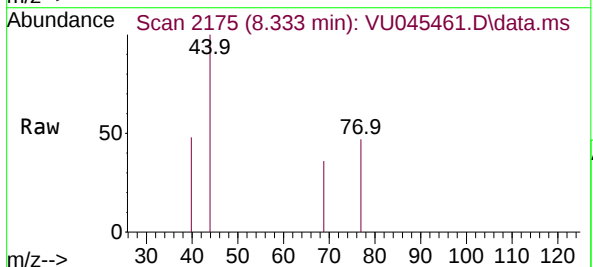


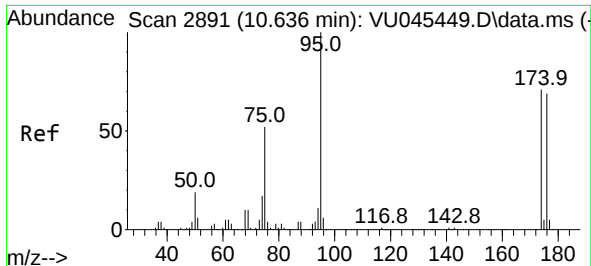
Tgt Ion: 98 Resp: 485742
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#56
Ethyl methacrylate
Concen: 1.645 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. -0.004 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 39.8#

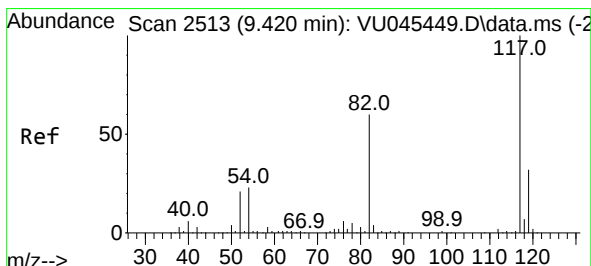
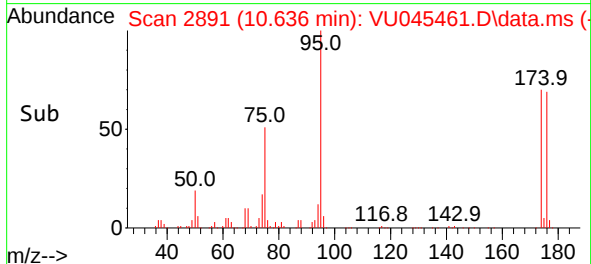
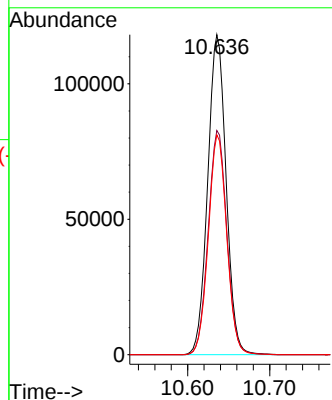
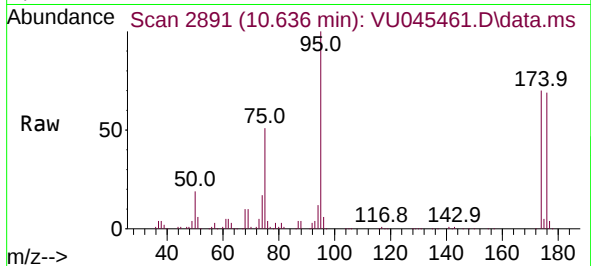




#62
4-Bromofluorobenzene
Concen: 50.995 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

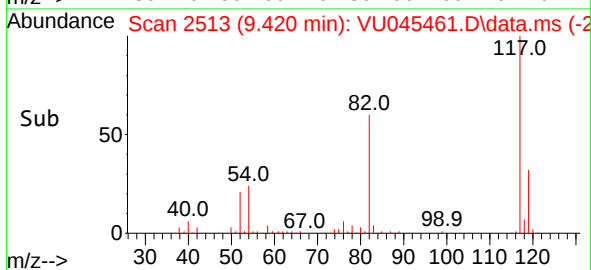
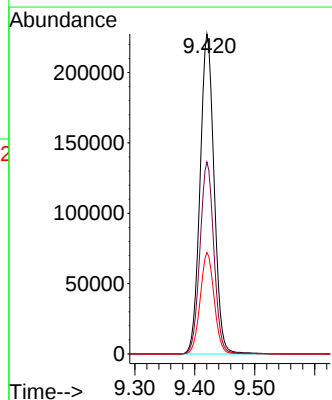
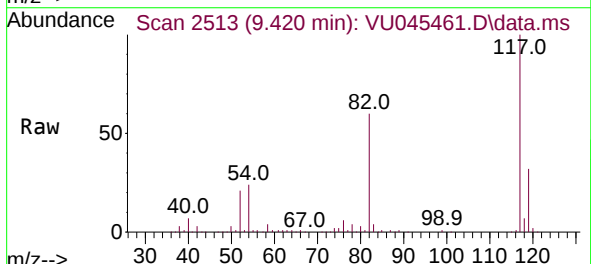
Instrument :
MSVOA_U
ClientSampleId :

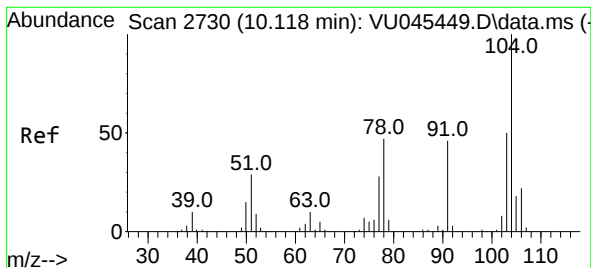
Tgt Ion: 95 Resp: 184033
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 68.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion: 117 Resp: 371000
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.8
119 31.7 25.8 38.8





#70

Styrene

Concen: 1.022 ug/l

RT: 10.118 min Scan# 21

Delta R.T. -0.000 min

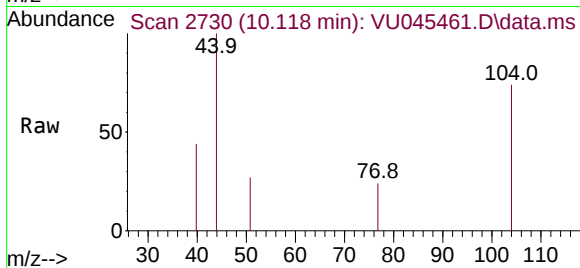
Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

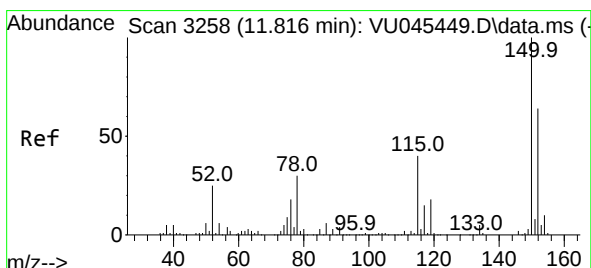
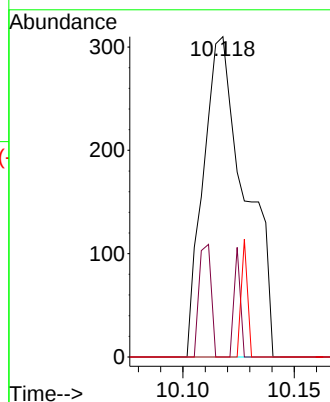
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:104	Resp:	407
Ion	Ratio	Lower Upper
104	100	
78	4.9	41.8 62.6#
103	5.4	43.8 65.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

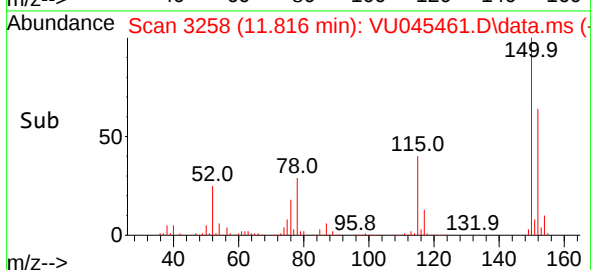
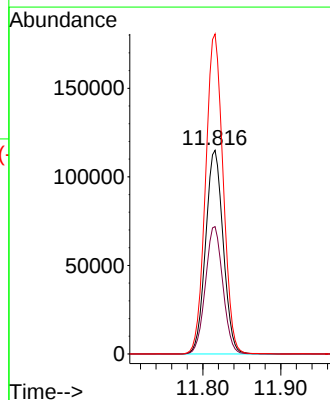
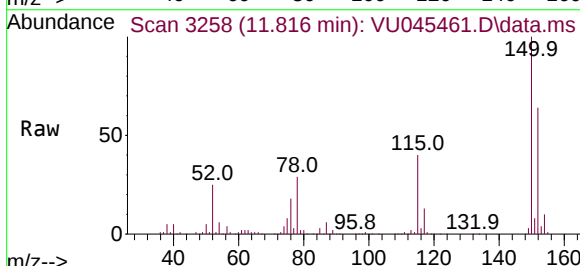
RT: 11.816 min Scan# 3258

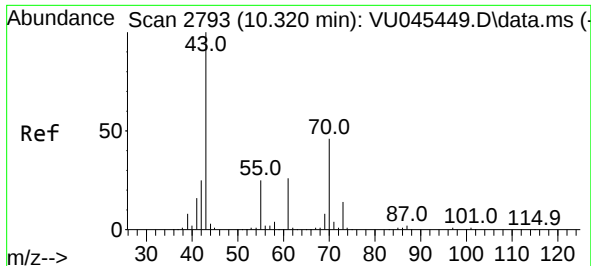
Delta R.T. 0.000 min

Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

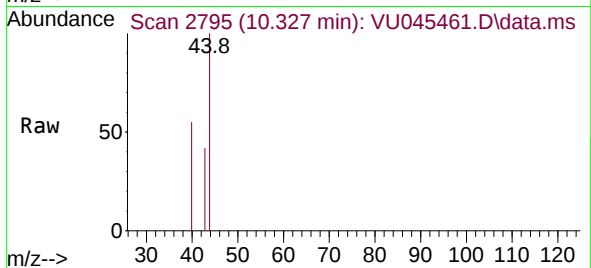
Tgt Ion:152	Resp:	180183
Ion	Ratio	Lower Upper
152	100	
115	62.0	42.7 128.1
150	156.8	0.0 346.8



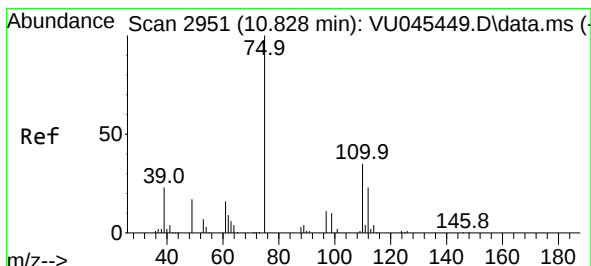
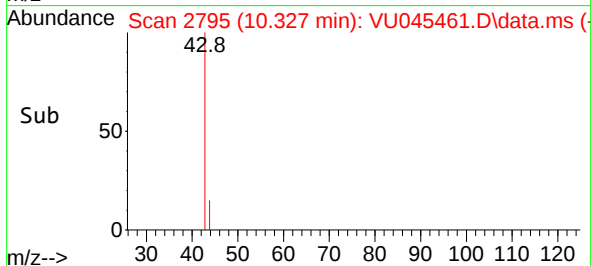
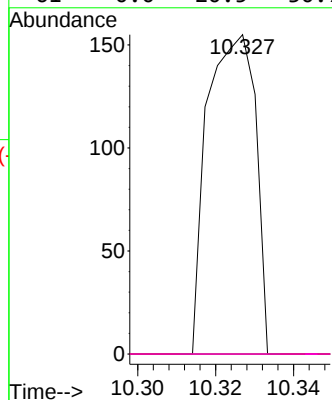


#74
N-amy1 acetate
Concen: 1.176 ug/l
RT: 10.327 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Instrument :
MSVOA_U
ClientSampleId :

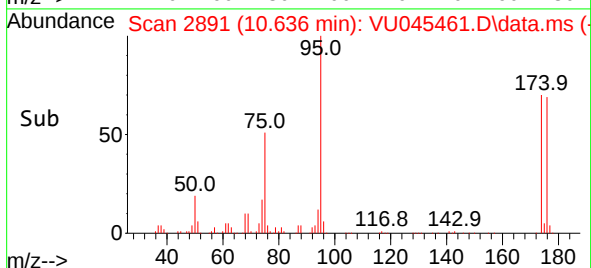
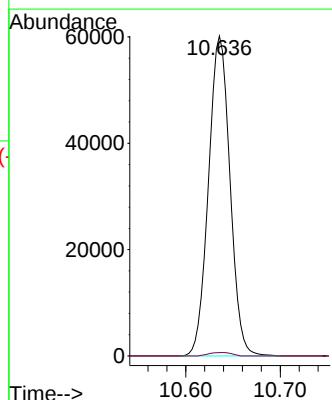
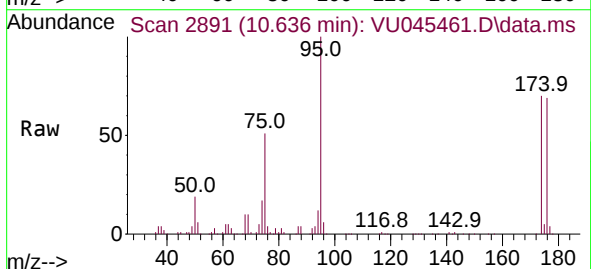


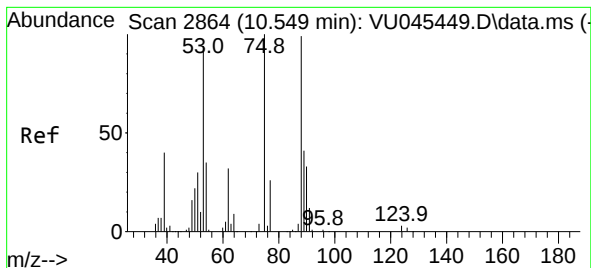
Tgt Ion: 43	Resp: 133
Ion Ratio	Lower Upper
43	100
70	0.0 36.9 55.3#
55	0.0 20.6 31.0#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 19.787 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion: 75	Resp: 94994
Ion Ratio	Lower Upper
75	100
77	1.1 17.1 51.3#

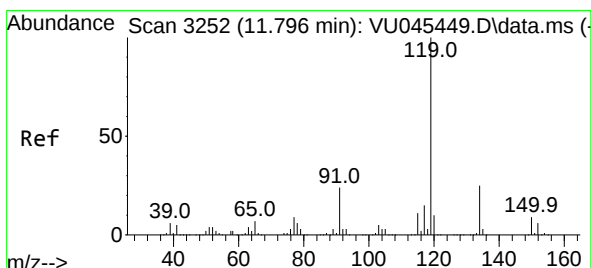
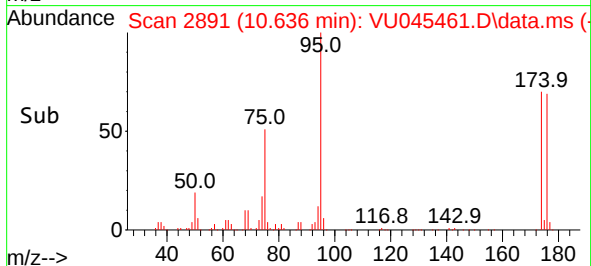
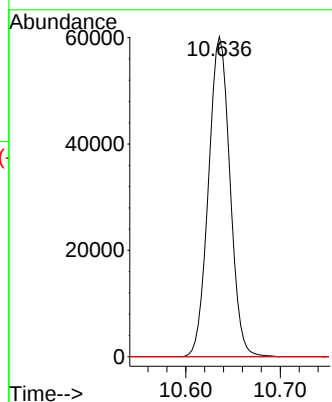
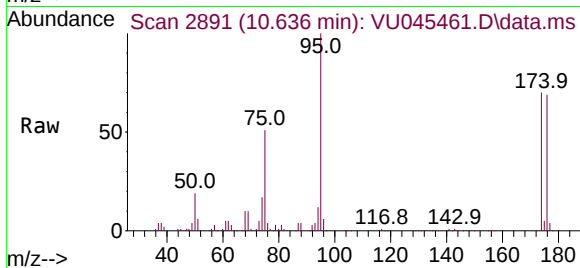




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.989 ug/l
 RT: 10.636 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU045461.D
 Acq: 29 Oct 2021 14:12

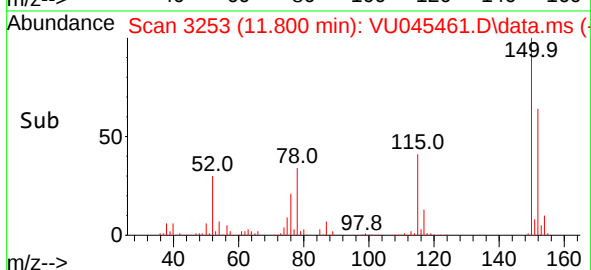
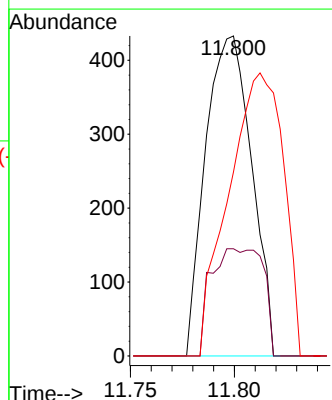
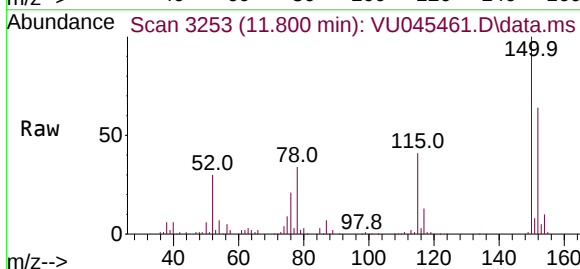
Instrument :
 MSVOA_U
 ClientSampleId :

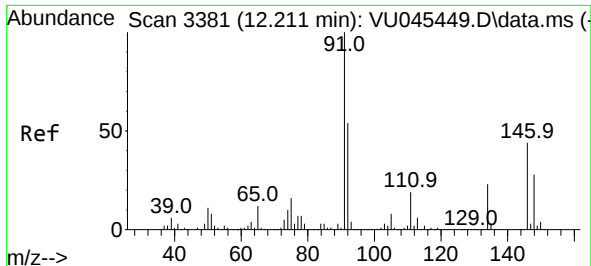
Tgt Ion: 75 Resp: 94994
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.4#
 89 0.0 34.0 51.0#



#86
 p-Isopropyltoluene
 Concen: 0.246 ug/l
 RT: 11.800 min Scan# 3253
 Delta R.T. 0.004 min
 Lab File: VU045461.D
 Acq: 29 Oct 2021 14:12

Tgt Ion: 119 Resp: 668
 Ion Ratio Lower Upper
 119 100
 134 37.7 12.7 38.1
 91 105.1 12.2 36.4#

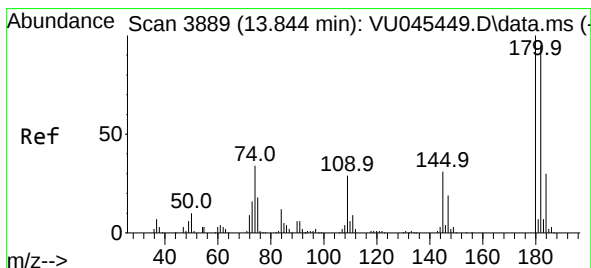
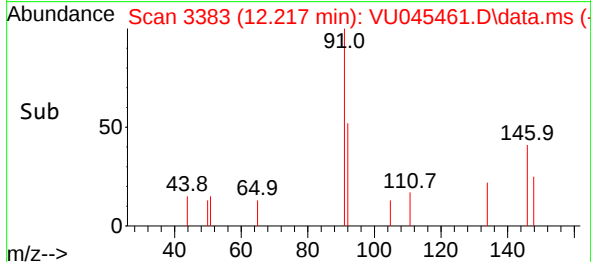
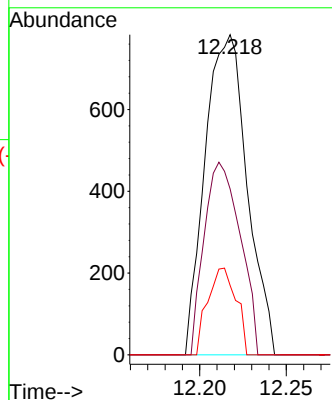
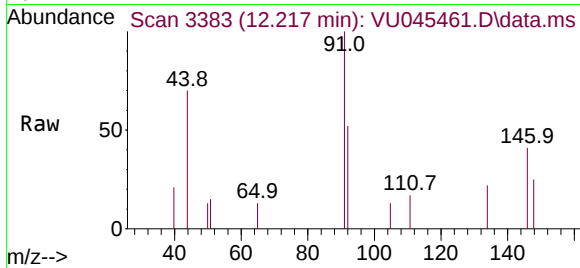




#89
n-Butylbenzene
Concen: 1.054 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

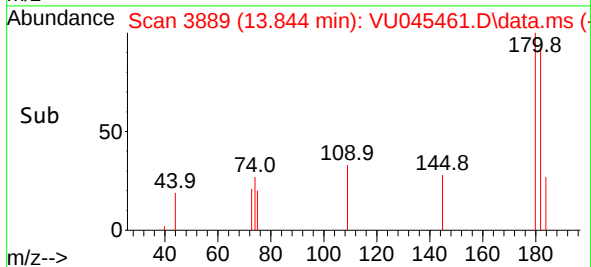
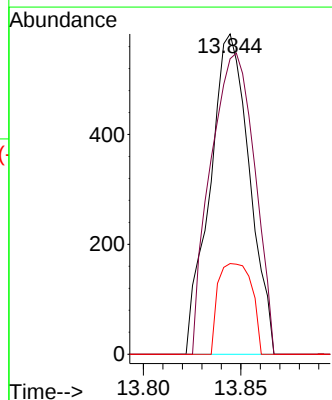
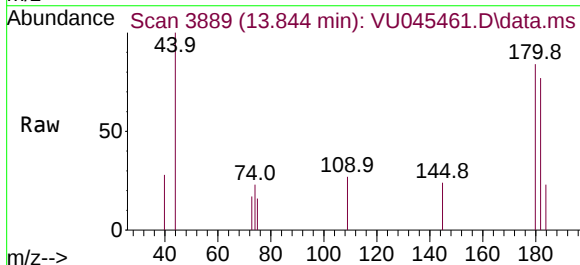
Instrument :
MSVOA_U
ClientSampleId :

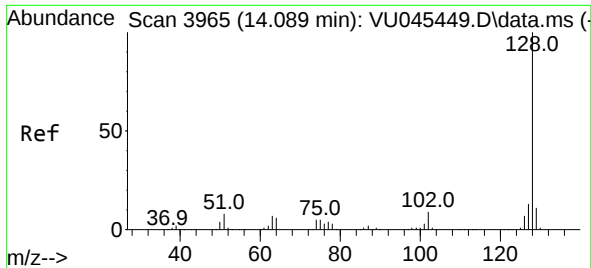
Tgt Ion: 91 Resp: 1322
Ion Ratio Lower Upper
91 100
92 51.5 27.1 81.2
134 18.3 11.8 35.4



#93
1,2,4-Trichlorobenzene
Concen: 0.220 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU045461.D
Acq: 29 Oct 2021 14:12

Tgt Ion:180 Resp: 823
Ion Ratio Lower Upper
180 100
182 104.5 47.0 141.2
145 23.9 15.6 46.7





#95

Naphthalene

Concen: 0.223 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

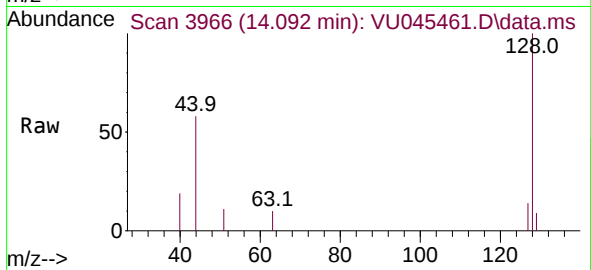
Lab File: VU045461.D

Acq: 29 Oct 2021 14:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 1827

Ion Ratio Lower Upper

128 100

127 10.0 10.6 15.8#

129 2.2 8.6 13.0#

