

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069266.D
 Acq On : 28 Oct 2021 23:10
 Operator : JC/MD
 Sample : VN1028WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:54:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

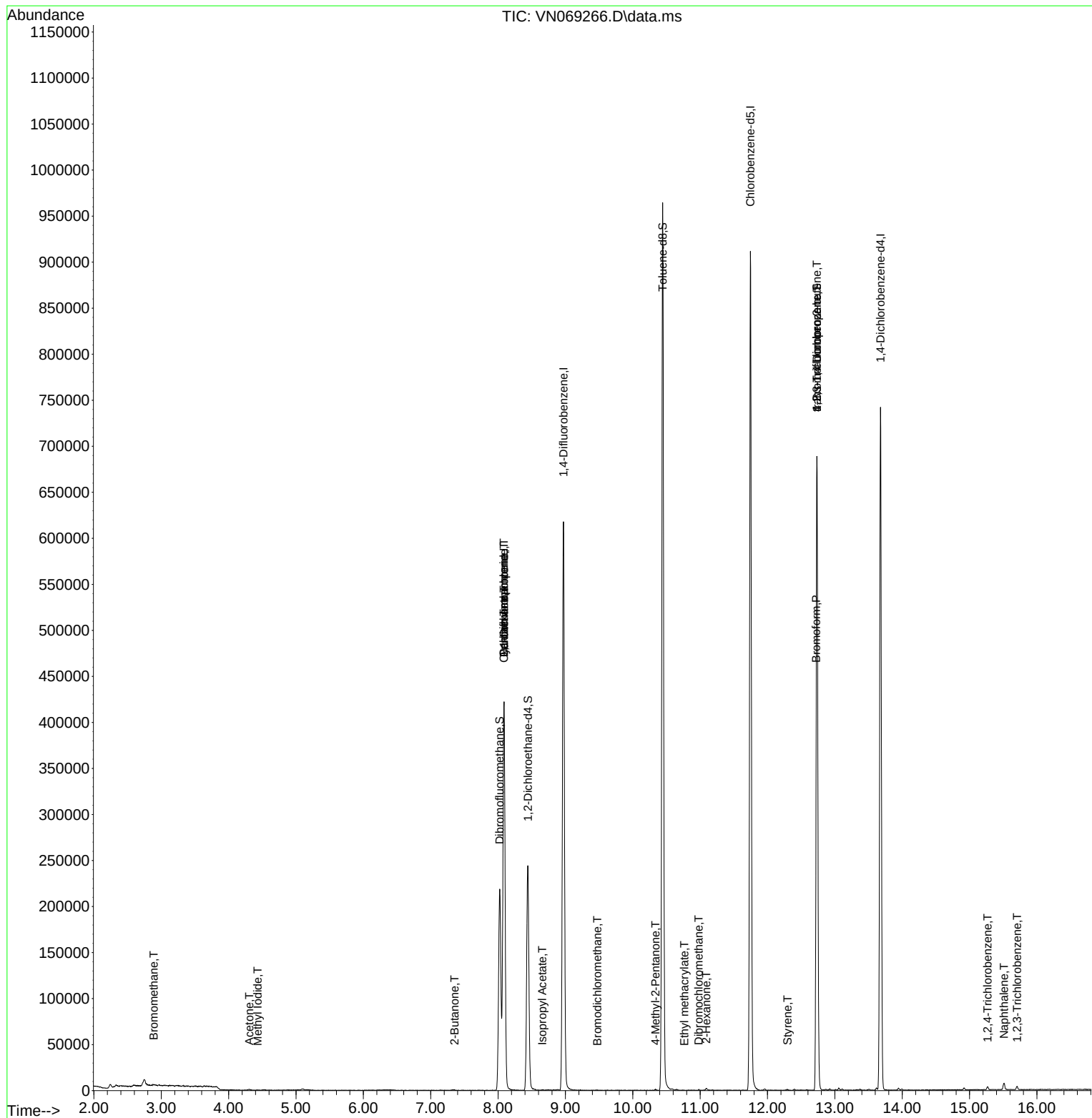
Internal Standards						
1) Pentafluorobenzene	8.088	168	314014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	549621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	535141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	209771	46.277	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.560%
35) Dibromofluoromethane	8.024	113	161505	47.139	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.280%
50) Toluene-d8	10.443	98	685665	50.053	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.733	95	249472	48.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	427	Below Cal	#	42
5) Bromomethane	2.888	94	764	0.289	ug/l	95
10) Methyl Iodide	4.430	142	157	2.493	ug/l #	41
16) Acetone	4.307	43	1480	0.766	ug/l #	83
25) 2-Butanone	7.353	43	299	1.734	ug/l #	48
31) Cyclohexane	8.086	56	7609	1.254	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	25866	5.459	ug/l #	50
38) Carbon Tetrachloride	8.088	117	32536	6.925	ug/l #	15
43) Isopropyl Acetate	8.657	43	254	0.486	ug/l #	55
47) Bromodichloromethane	9.472	83	51	1.115	ug/l #	25
51) 4-Methyl-2-Pentanone	10.339	43	1075	6.573	ug/l #	36
56) Ethyl methacrylate	10.768	69	83	1.695	ug/l #	23
59) 2-Hexanone	11.092	43	1828	8.378	ug/l	93
60) Dibromochloromethane	10.977	129	194	2.019	ug/l #	10
70) Styrene	12.299	104	464	1.491	ug/l #	71
71) Bromoform	12.723	173	451	3.001	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	133072	25.394	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	133072	72.665	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	1468	2.918	ug/l #	76
95) Naphthalene	15.509	128	7459	4.007	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	1710	2.724	ug/l	89

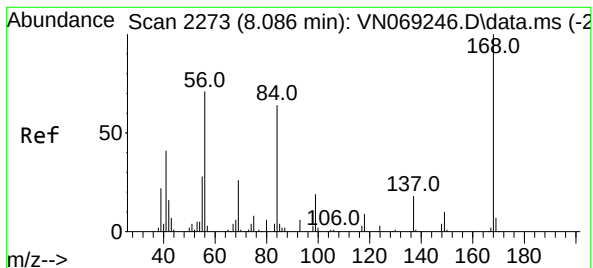
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN069266.D

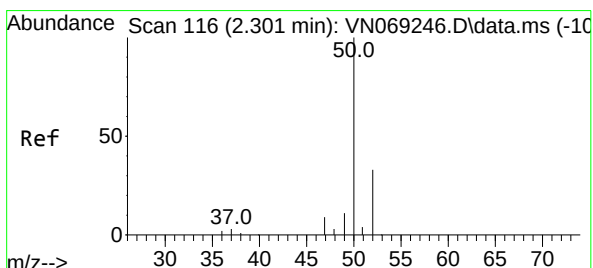
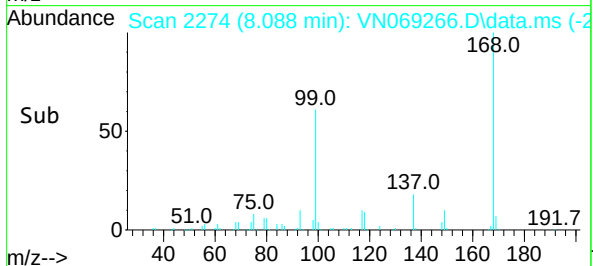
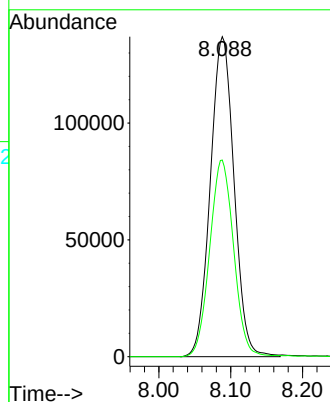
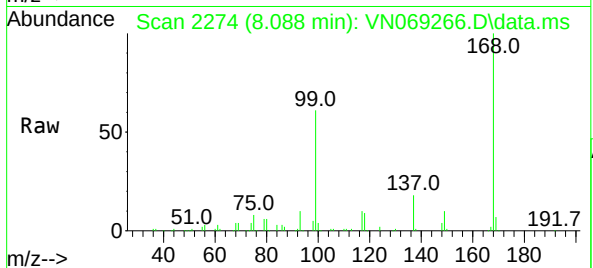
Acq: 28 Oct 2021 23:10

Tgt Ion:168 Resp: 314014

Ion Ratio Lower Upper

168 100

99 61.4 48.9 73.3



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN069266.D

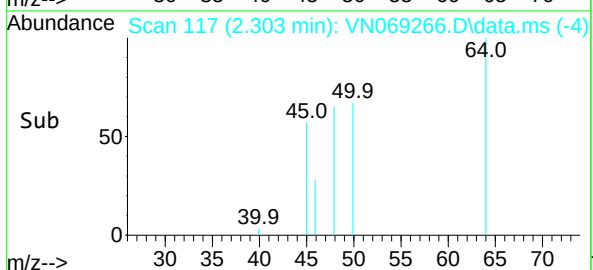
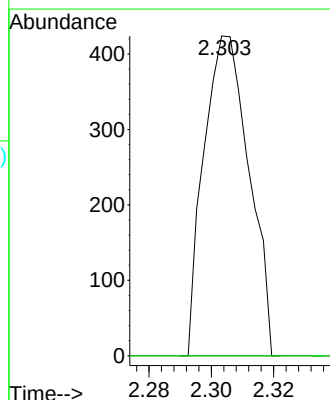
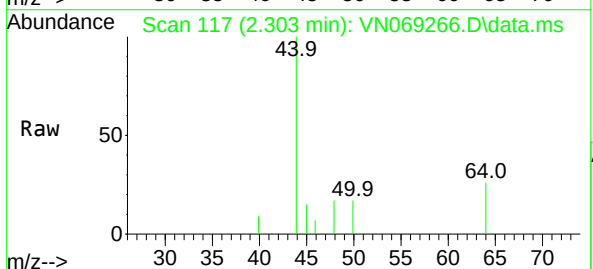
Acq: 28 Oct 2021 23:10

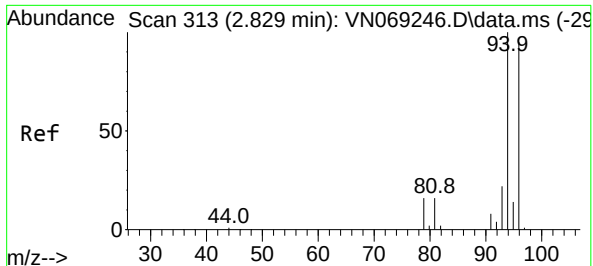
Tgt Ion: 50 Resp: 427

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#

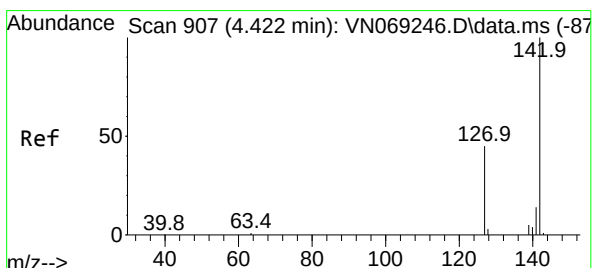
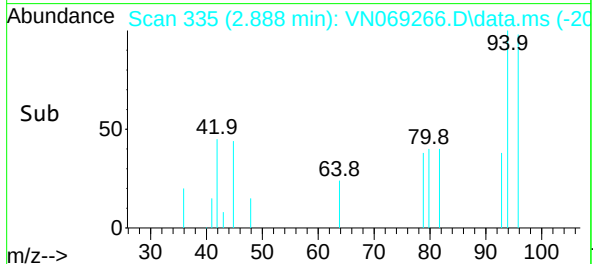
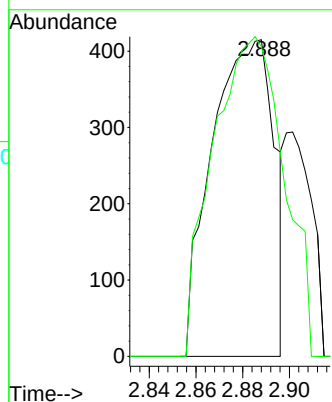
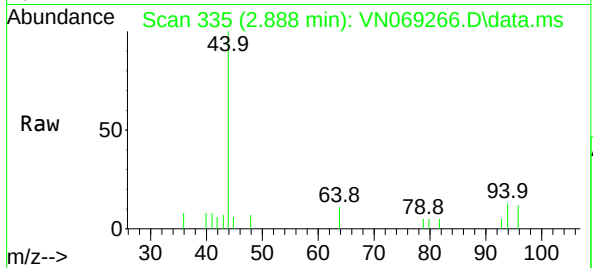




#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.888 min Scan# 335
Delta R.T. 0.059 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

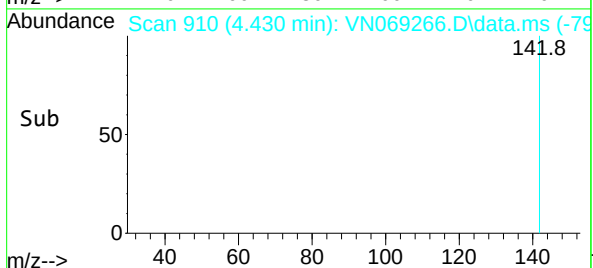
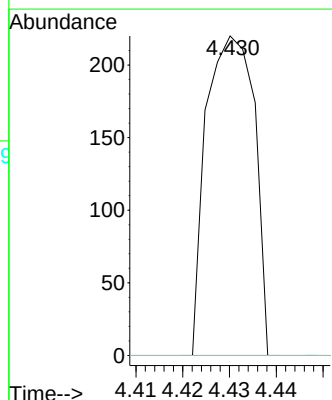
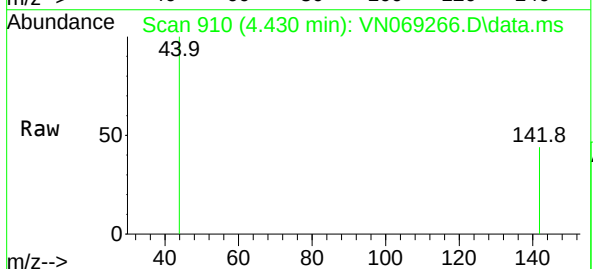
Instrument :
MSVOA_D
ClientSampleId :

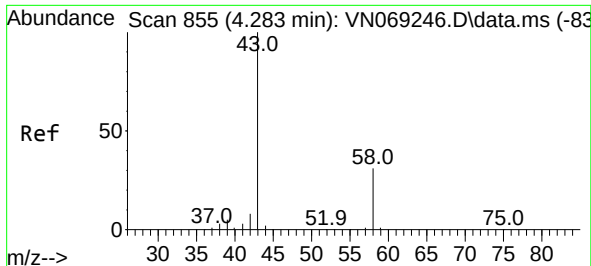
Tgt Ion: 94 Resp: 764
Ion Ratio Lower Upper
94 100
96 97.8 74.2 111.4



#10
Methyl Iodide
Concen: 2.493 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.008 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.3 16.9#

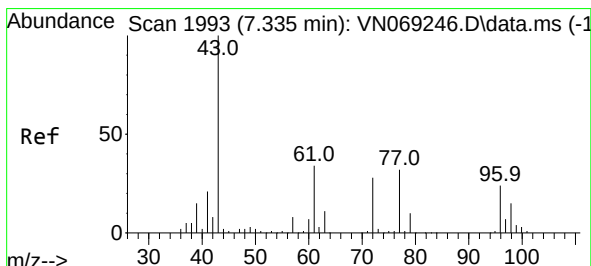
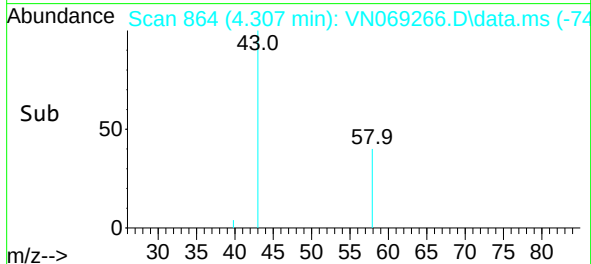
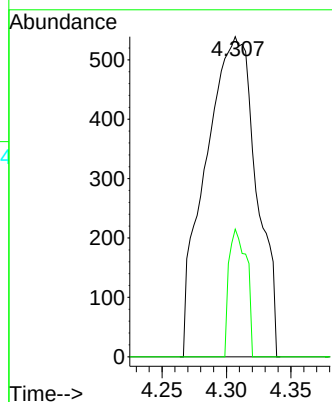
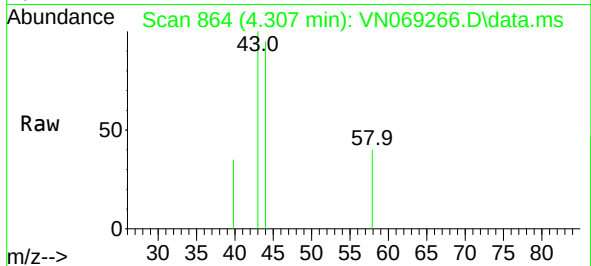




#16
Acetone
Concen: 0.766 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.024 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

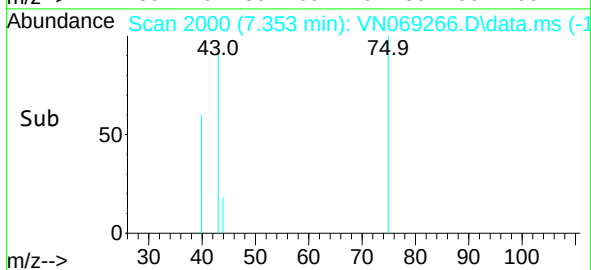
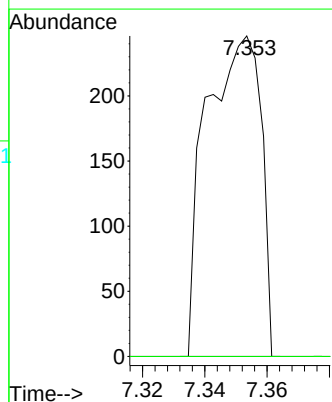
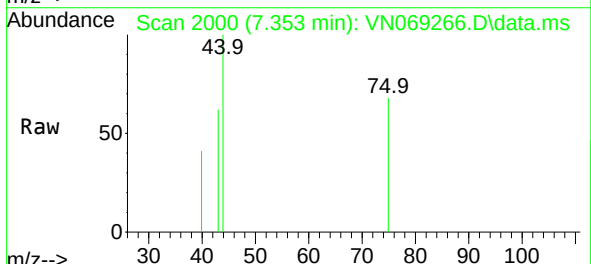
Instrument :
MSVOA_D
ClientSampled :

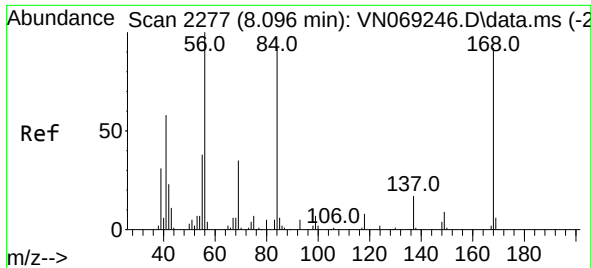
Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 39.9 24.5 36.7#



#25
2-Butanone
Concen: 1.734 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

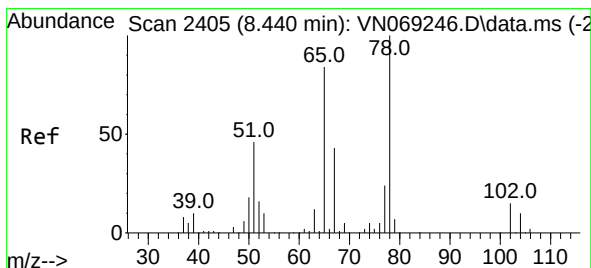
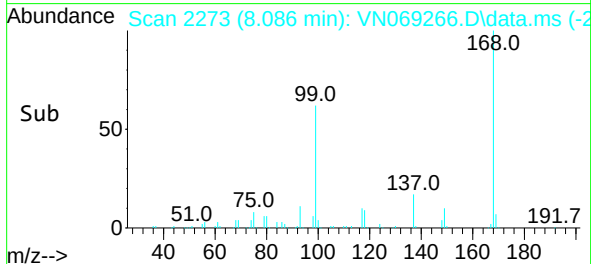
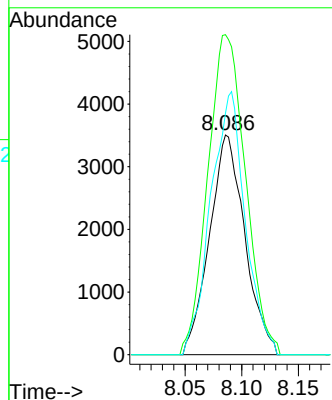
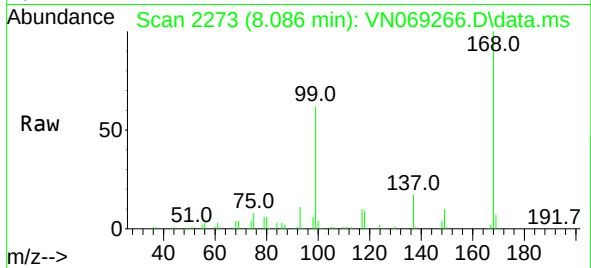




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

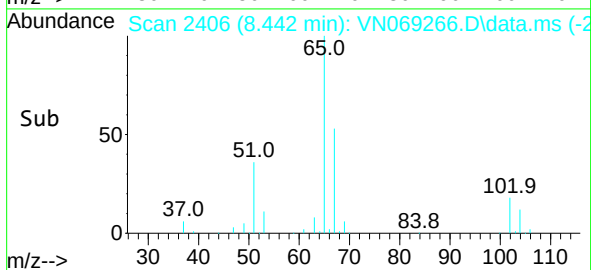
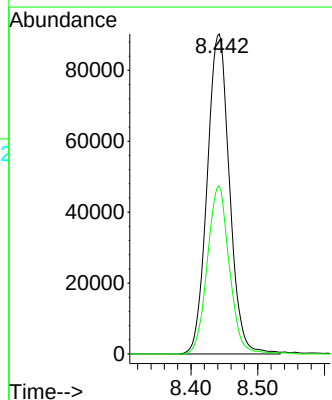
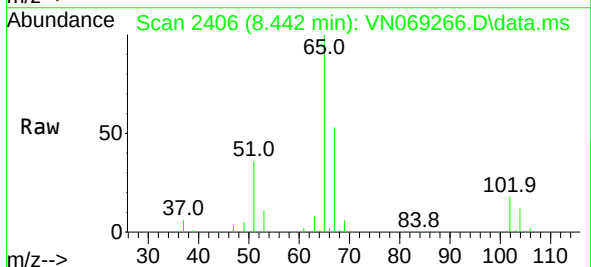
Instrument :
MSVOA_D
ClientSampled :

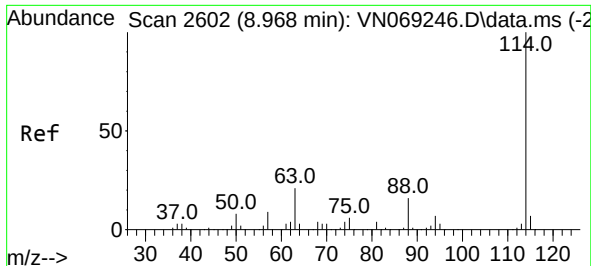
Tgt Ion: 56 Resp: 7609
Ion Ratio Lower Upper
56 100
69 145.7 26.9 40.3#
84 110.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.277 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 65 Resp: 209771
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

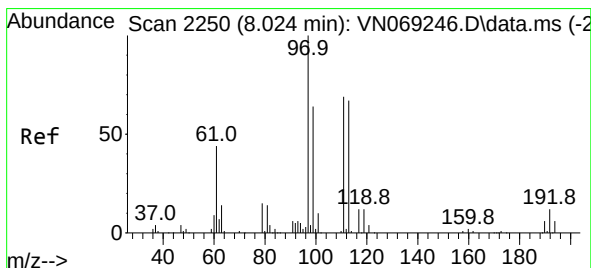
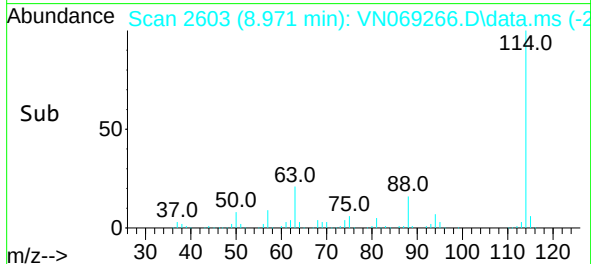
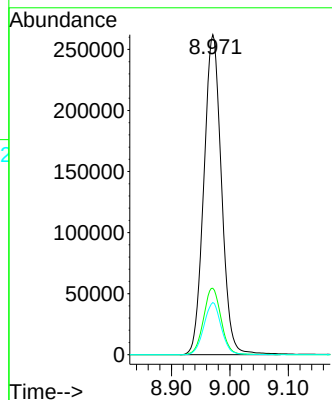
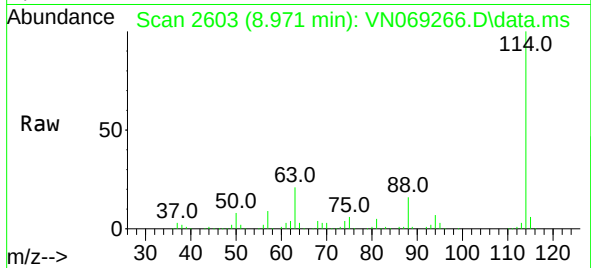




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

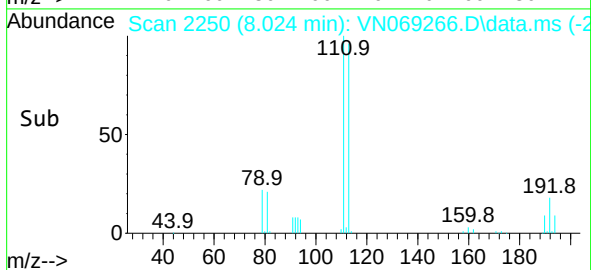
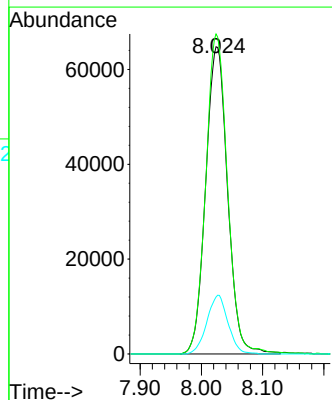
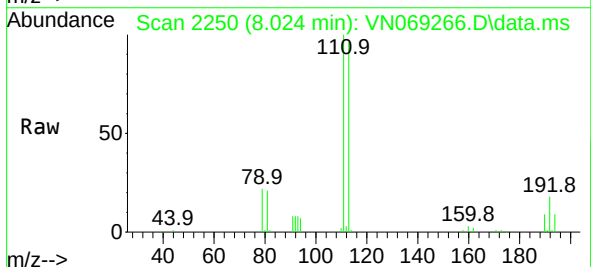
Instrument :
MSVOA_D
ClientSampled :

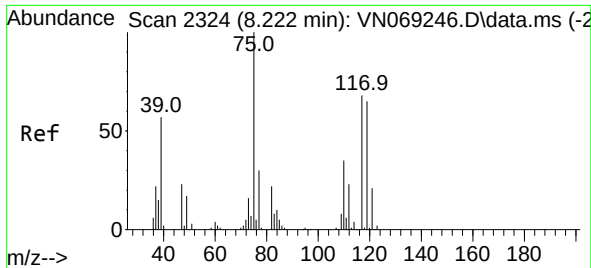
Tgt Ion:114 Resp: 549621
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.3 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.139 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion:113 Resp: 161505
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.4 15.0 22.4

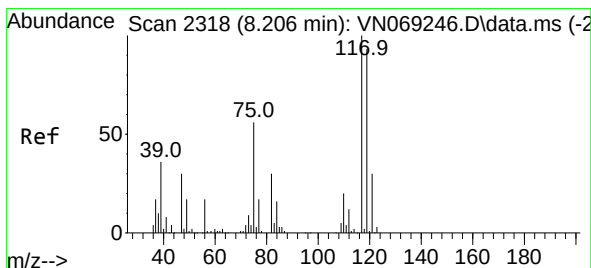
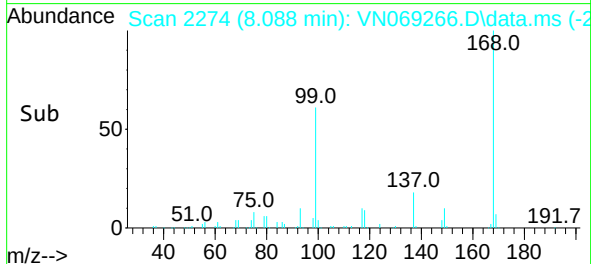
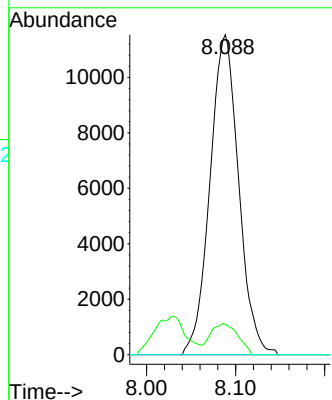
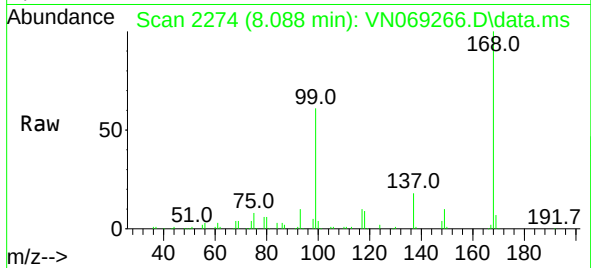




#36
1,1-Dichloropropene
Concen: 5.459 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

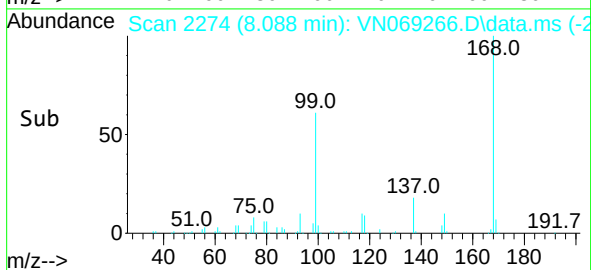
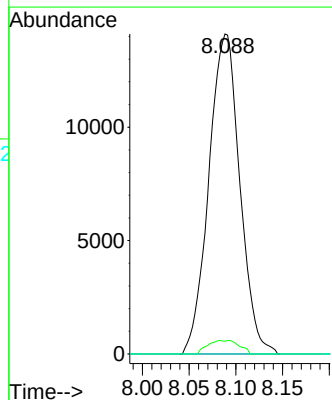
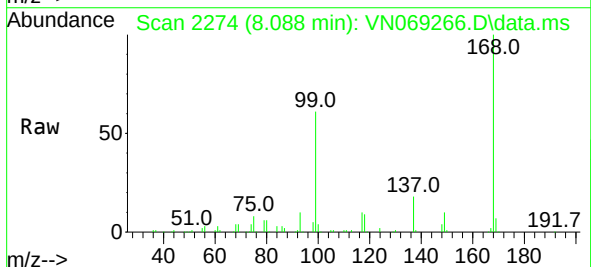
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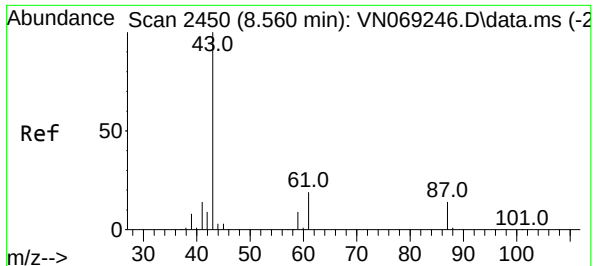
Tgt Ion: 75 Resp: 25866
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.925 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 117 Resp: 32536
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#

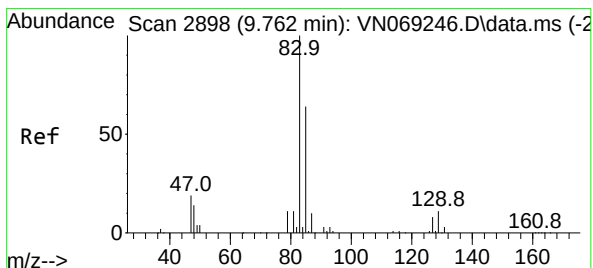
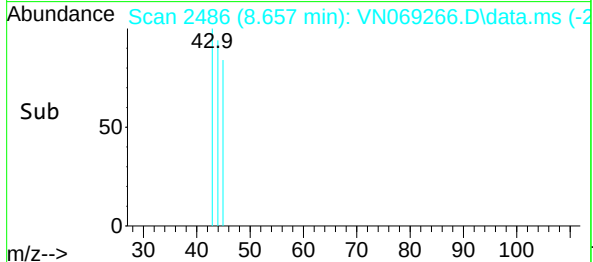
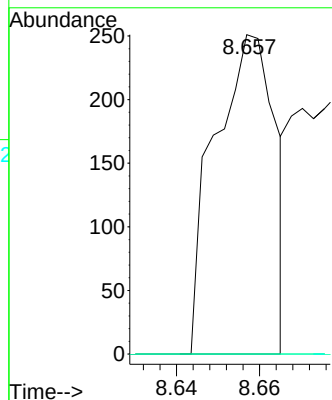
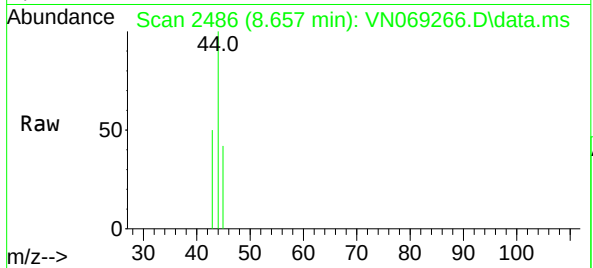




#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.097 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

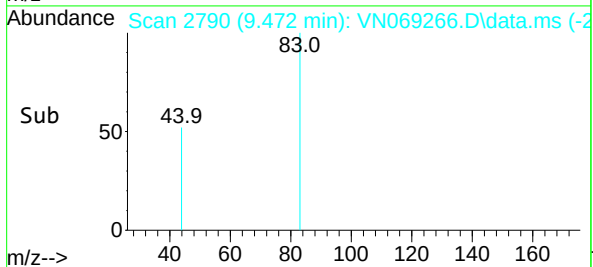
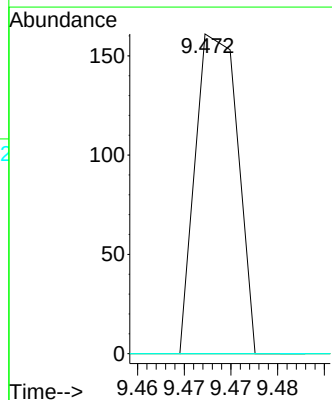
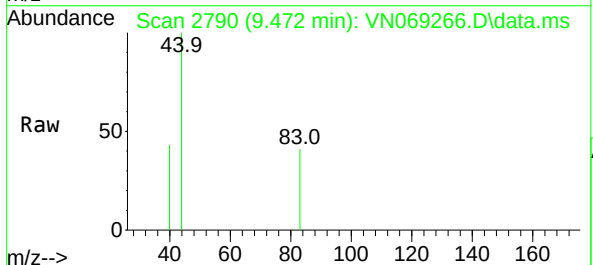
Instrument :
MSVOA_D
ClientSampled :

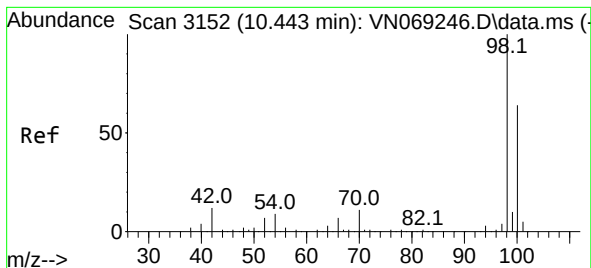
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#47
Bromodichloromethane
Concen: 1.115 ug/l
RT: 9.472 min Scan# 2790
Delta R.T. -0.290 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 83 Resp: 51
Ion Ratio Lower Upper
83 100
85 0.0 50.7 76.1#
127 0.0 6.5 9.7#

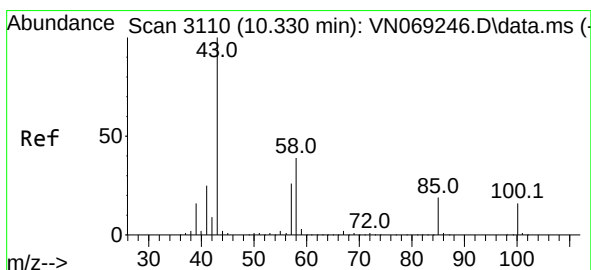
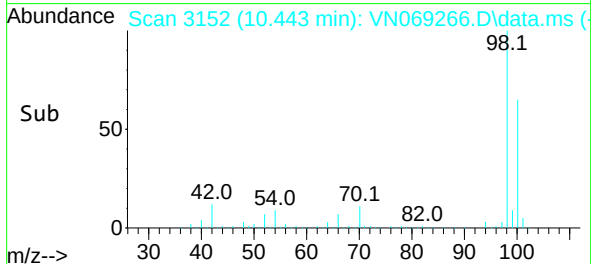
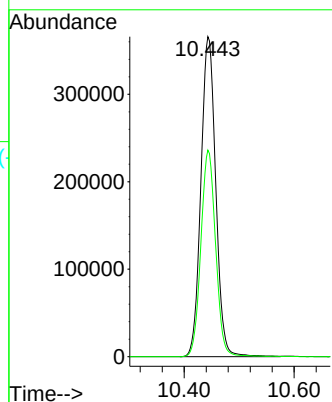
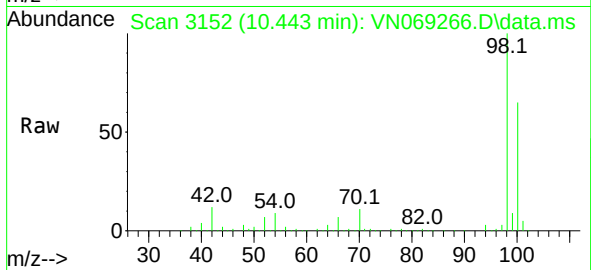




#50
Toluene-d8
Concen: 50.053 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

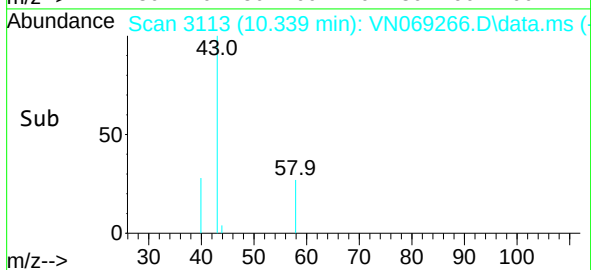
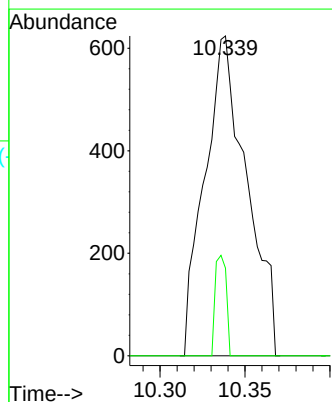
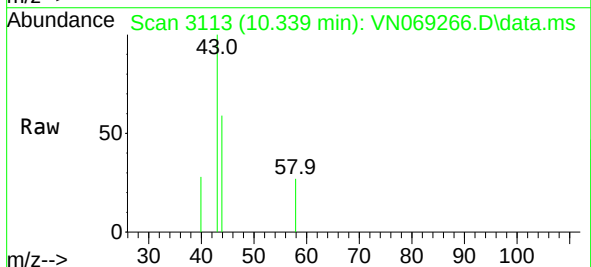
Instrument :
MSVOA_D
ClientSampled :

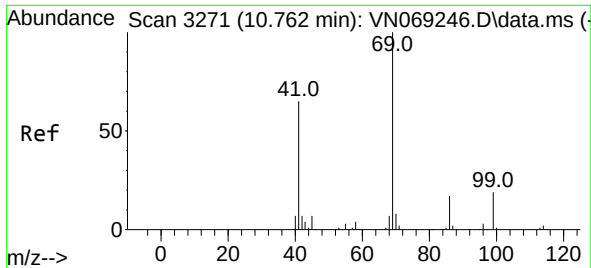
Tgt Ion: 98 Resp: 685665
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.573 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

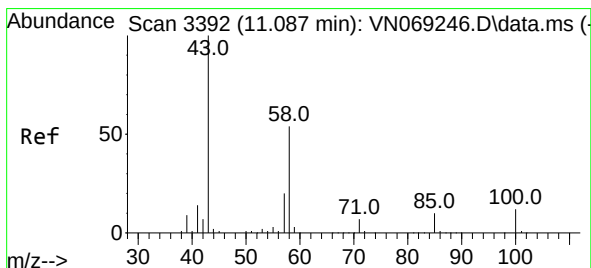
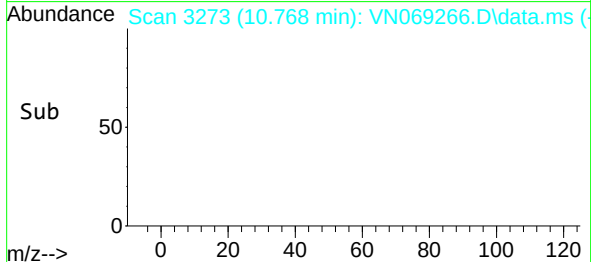
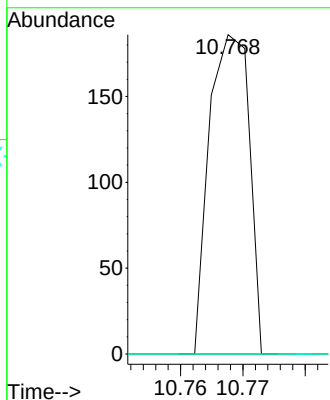
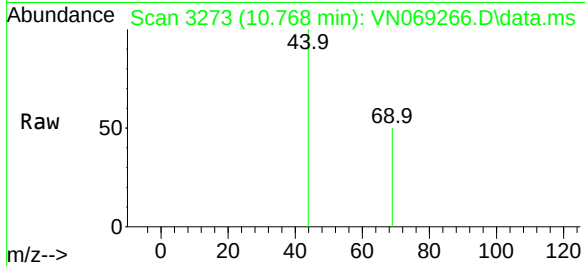




#56
Ethyl methacrylate
Concen: 1.695 ug/l
RT: 10.768 min Scan# 3273
Delta R.T. 0.006 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

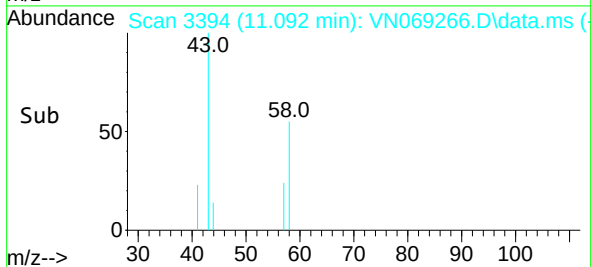
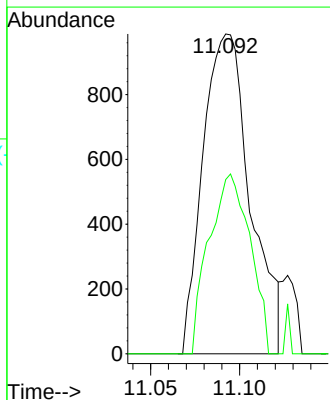
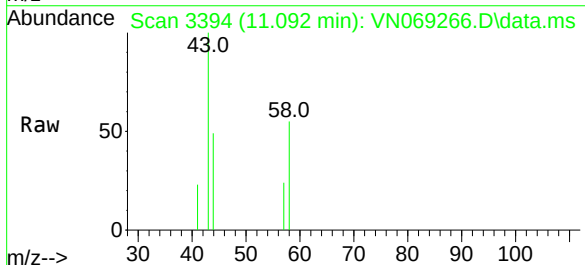
Instrument :
MSVOA_D
ClientSampled :

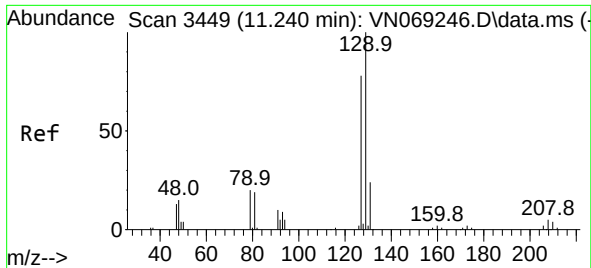
Tgt Ion: 69	Resp:	83
Ion Ratio	Lower	Upper
69	100	
41	0.0	53.3 79.9#
39	0.0	33.3 49.9#



#59
2-Hexanone
Concen: 8.378 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 43	Resp:	1828
Ion Ratio	Lower	Upper
43	100	
58	48.8	26.9 80.7

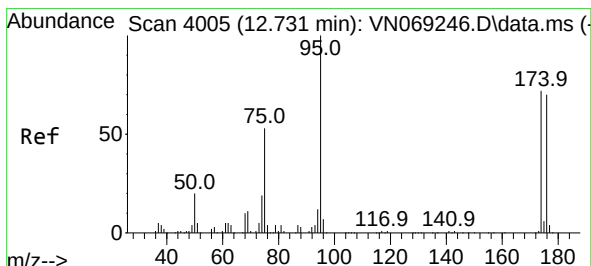
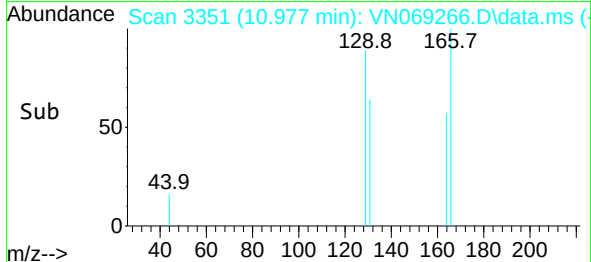
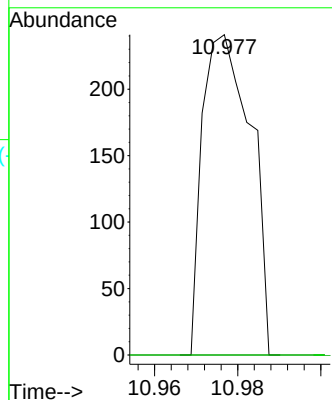
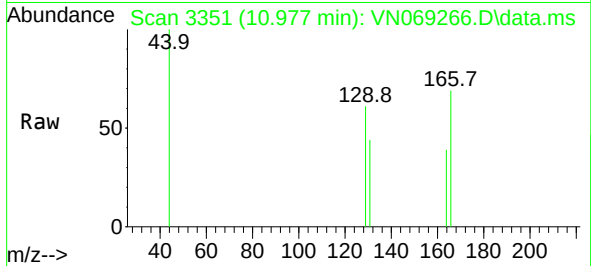




#60
Dibromochloromethane
Concen: 2.019 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

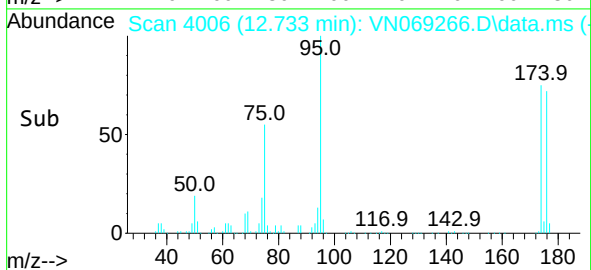
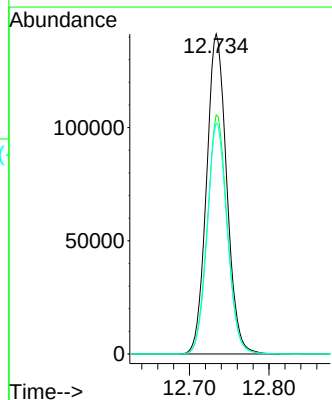
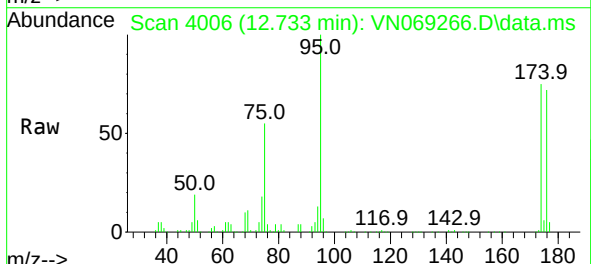
Instrument :
MSVOA_D
ClientSampleId :

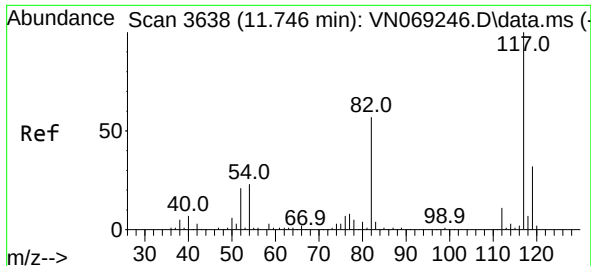
Tgt Ion:129 Resp: 194
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 48.261 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 95 Resp: 249472
Ion Ratio Lower Upper
95 100
174 73.9 0.0 144.8
176 71.7 0.0 140.0

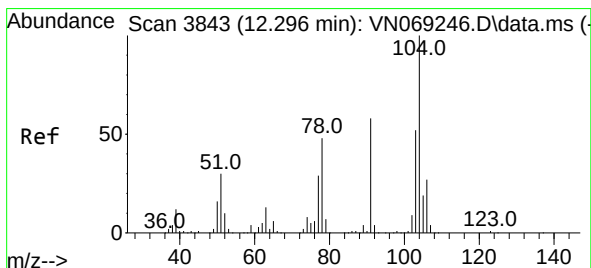
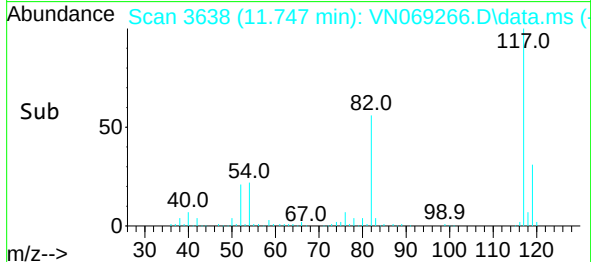
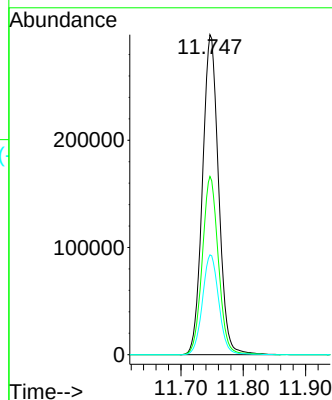
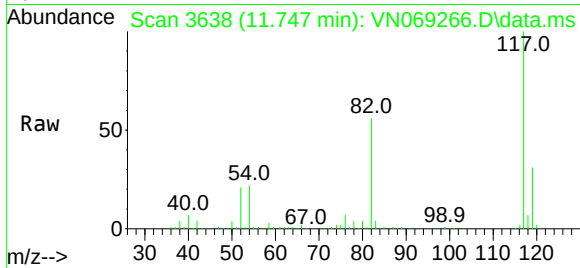




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

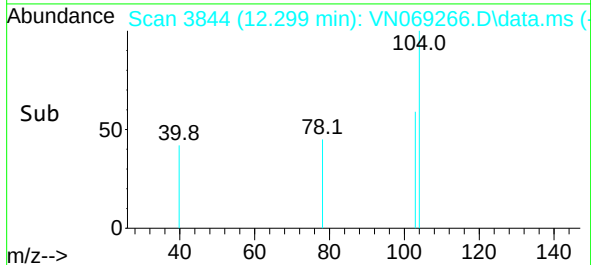
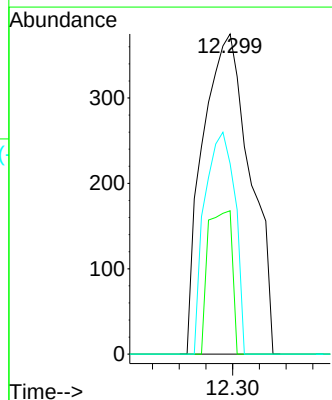
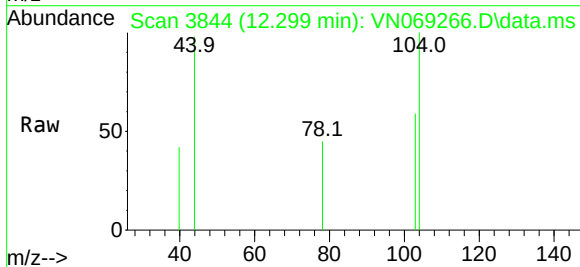
Instrument :
MSVOA_D
ClientSampleId :

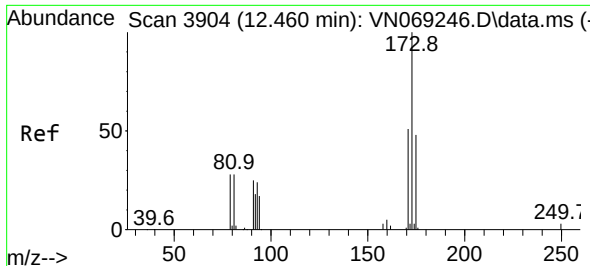
Tgt Ion:117 Resp: 535141
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 31.2 26.0 39.0



#70
Styrene
Concen: 1.491 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion:104 Resp: 464
Ion Ratio Lower Upper
104 100
78 22.6 42.2 63.4#
103 44.0 44.4 66.6#

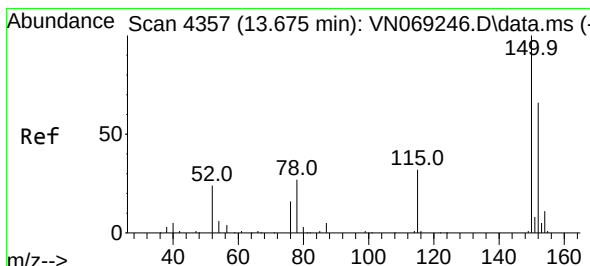
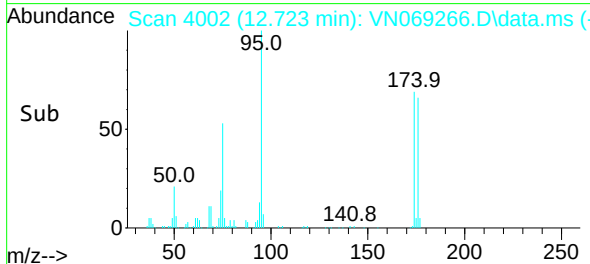
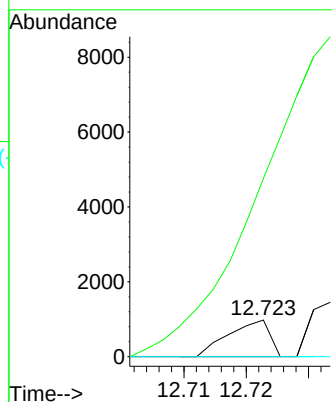
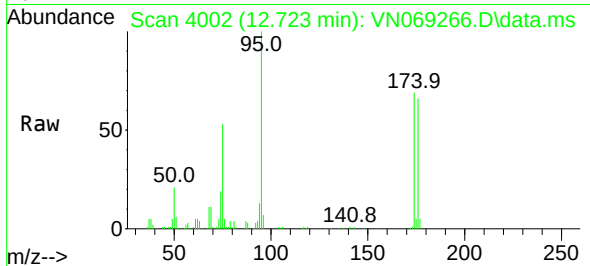




#71
Bromoform
Concen: 3.001 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

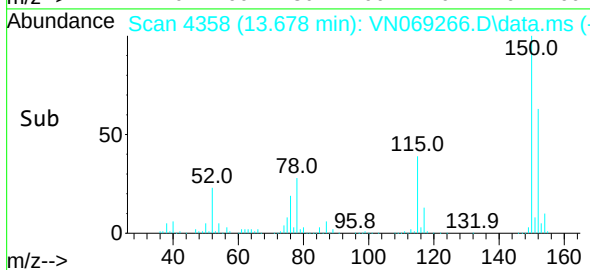
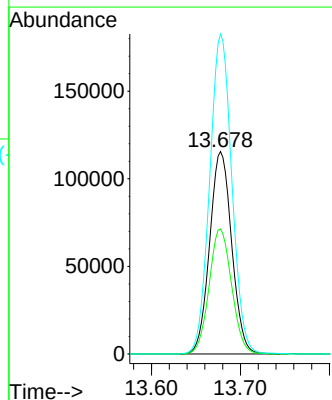
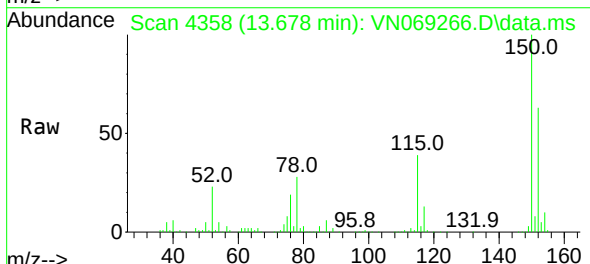
Instrument :
MSVOA_D
ClientSampleId :

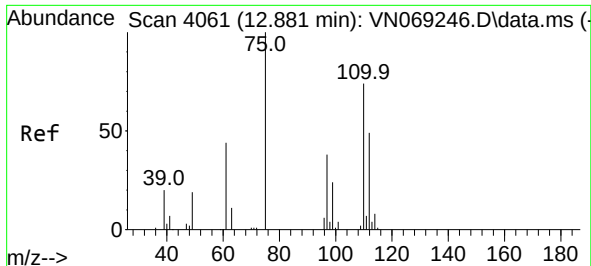
Tgt Ion:173 Resp: 451
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion:152 Resp: 199246
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 158.4 0.0 351.0

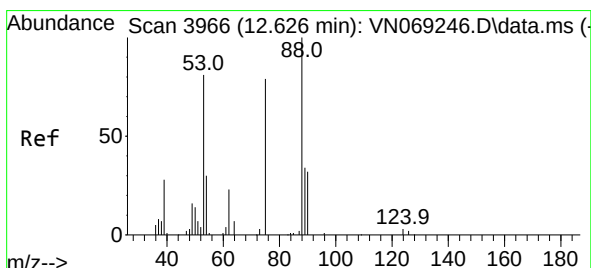
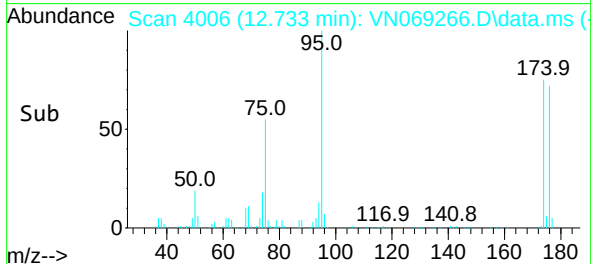
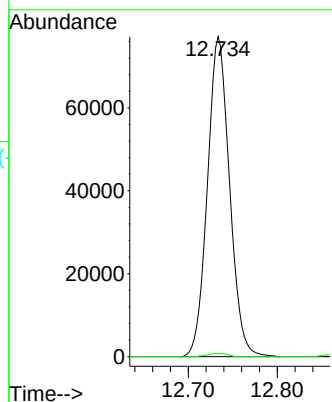
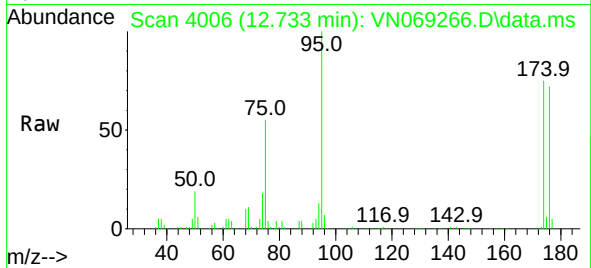




#76
1,2,3-Trichloropropane
Concen: 25.394 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

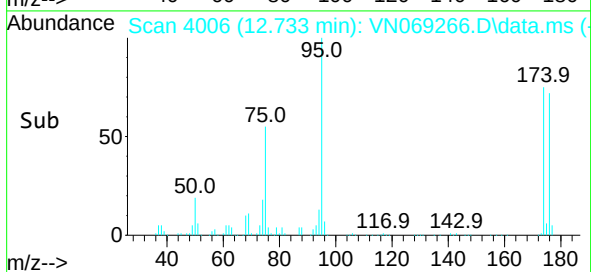
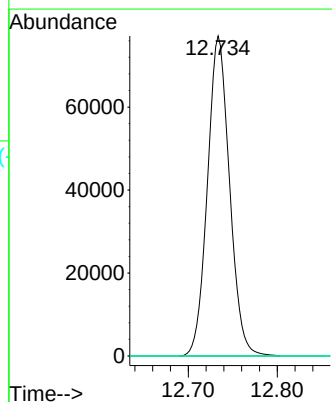
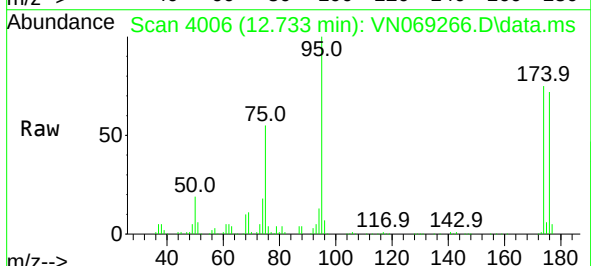
Instrument :
MSVOA_D
ClientSampleId :

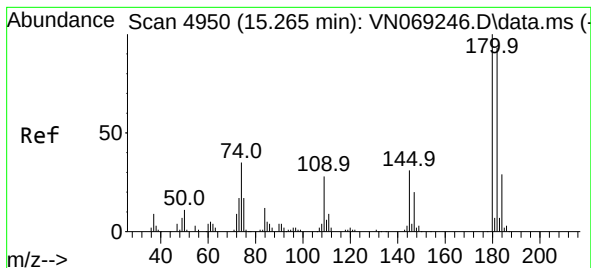
Tgt Ion: 75 Resp: 133072
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.665 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

Tgt Ion: 75 Resp: 133072
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

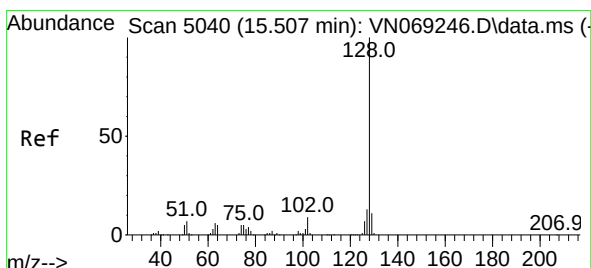
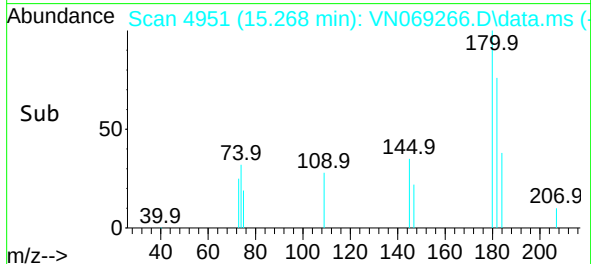
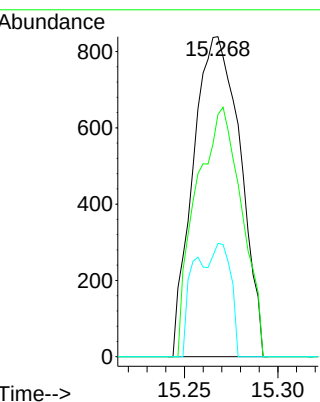
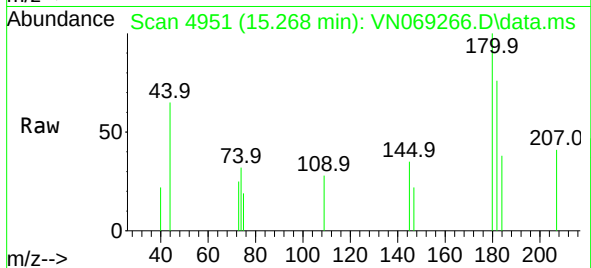




#93
1,2,4-Trichlorobenzene
Concen: 2.918 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

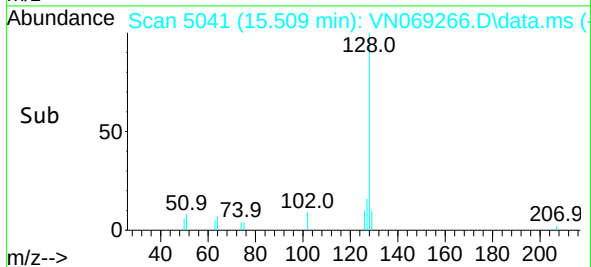
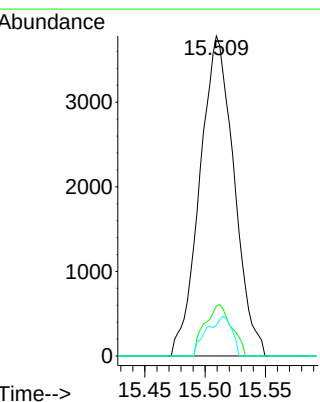
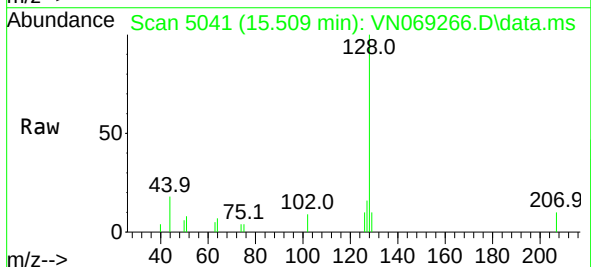
Instrument :
MSVOA_D
ClientSampled :

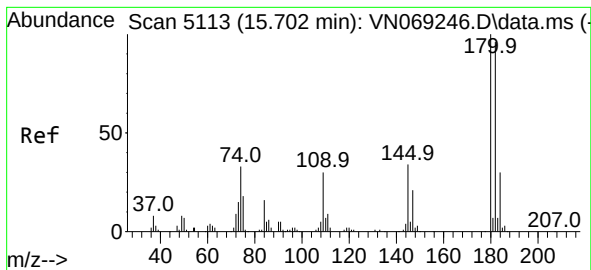
Tgt Ion:180 Resp: 1468
Ion Ratio Lower Upper
180 100
182 75.6 47.9 143.7
145 14.2 16.4 49.2#



#95
Naphthalene
Concen: 4.007 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069266.D
Acq: 28 Oct 2021 23:10

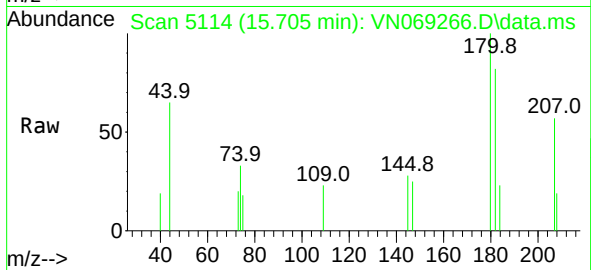
Tgt Ion:128 Resp: 7459
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 9.1 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.724 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069266.D
 Acq: 28 Oct 2021 23:10

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	1710
Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.1	144.3
145	21.6	17.4	52.2

