

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110121\
 Data File : VN069329.D
 Acq On : 1 Nov 2021 19:06
 Operator : JC/MD
 Sample : M4423-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:50:54 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

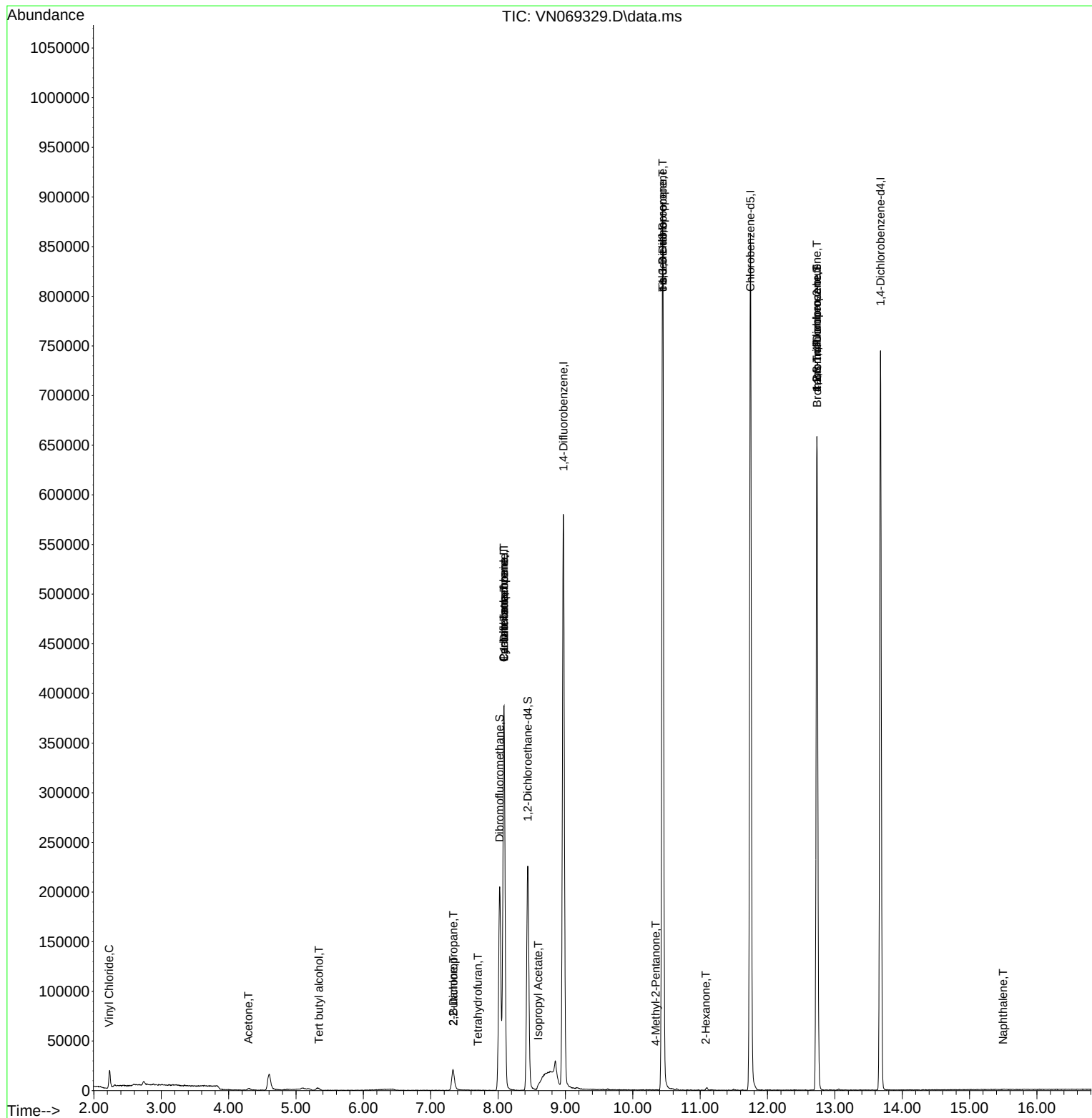
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	283007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	511749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	507019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	197061	48.236	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.480%
35) Dibromofluoromethane	8.024	113	148740	46.626	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.260%
50) Toluene-d8	10.443	98	635151	49.797	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.600%
62) 4-Bromofluorobenzene	12.733	95	236856	49.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	534	Below Cal	#	87
4) Vinyl Chloride	2.228	62	110	0.757	ug/l #	1
11) Tert butyl alcohol	5.339	59	545	14.057	ug/l #	72
16) Acetone	4.293	43	2058	1.182	ug/l	93
25) 2-Butanone	7.335	43	753	1.915	ug/l #	48
26) 2,2-Dichloropropane	7.335	77	1455	1.108	ug/l #	53
29) Tetrahydrofuran	7.702	42	25	2.951	ug/l #	33
31) Cyclohexane	8.085	56	6679	1.222	ug/l #	18
36) 1,1-Dichloropropene	8.088	75	24144	5.473	ug/l #	44
38) Carbon Tetrachloride	8.085	117	30317	6.929	ug/l #	16
43) Isopropyl Acetate	8.598	43	3013	0.799	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	221	6.440	ug/l #	36
53) t-1,3-Dichloropropene	10.443	75	115	1.958	ug/l #	1
54) cis-1,3-Dichloropropene	10.443	75	115	1.546	ug/l #	33
59) 2-Hexanone	11.084	43	362	8.080	ug/l #	25
71) Bromoform	12.736	173	917	3.148	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	127382	24.297	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	127382	69.710	ug/l #	12
95) Naphthalene	15.496	128	214	3.328	ug/l #	69

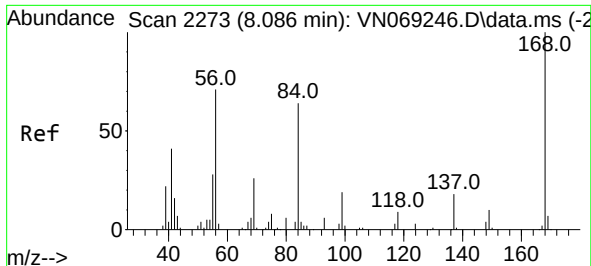
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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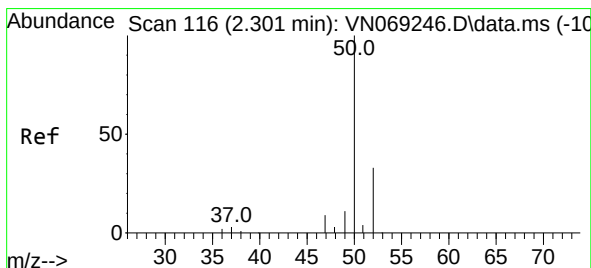
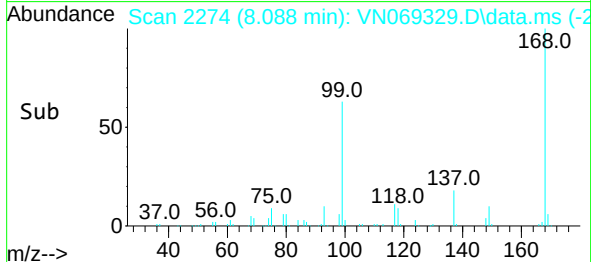
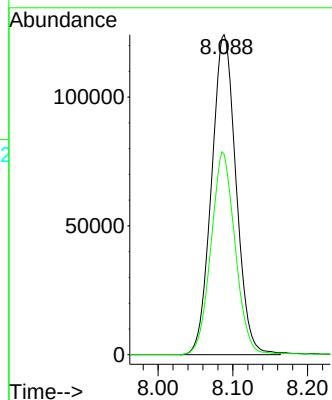
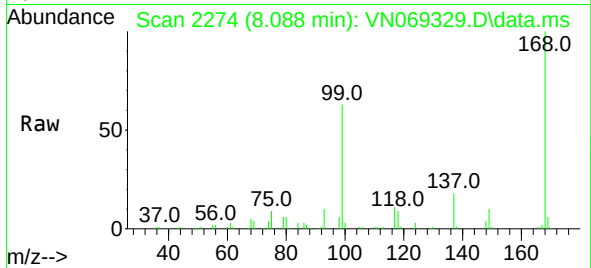




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

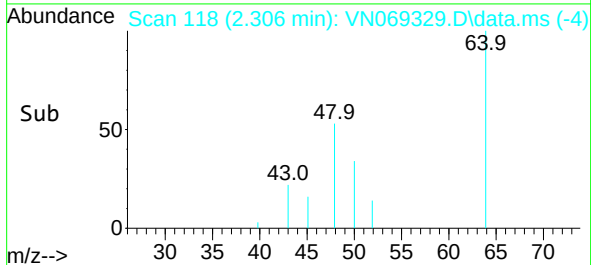
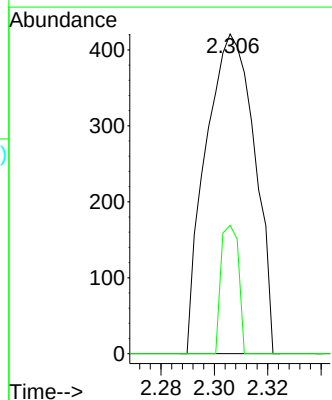
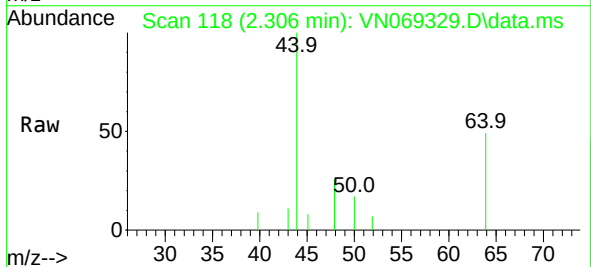
Instrument :
MSVOA_N
ClientSampleId :

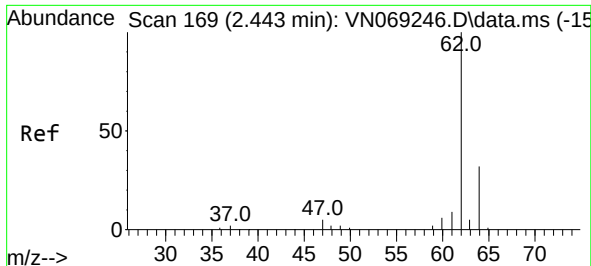
Tgt Ion:168 Resp: 283007
Ion Ratio Lower Upper
168 100
99 62.7 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 40.1 26.3 39.5#

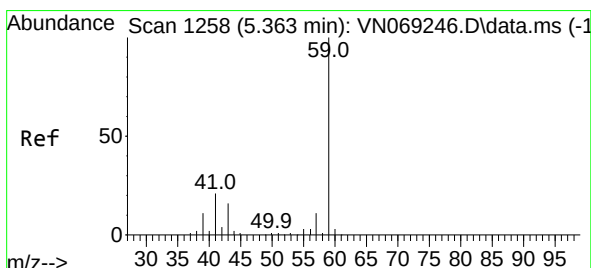
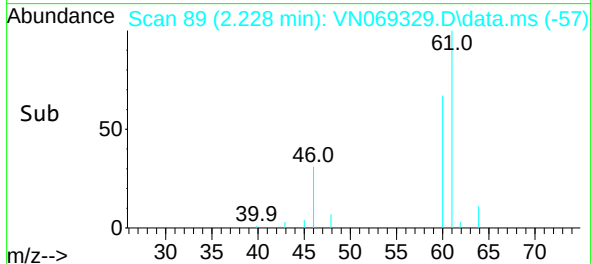
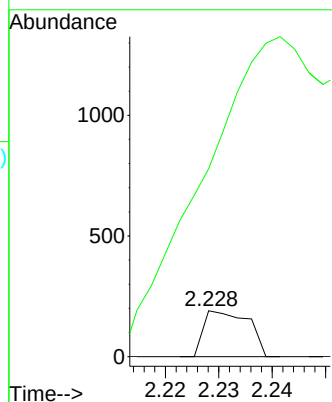
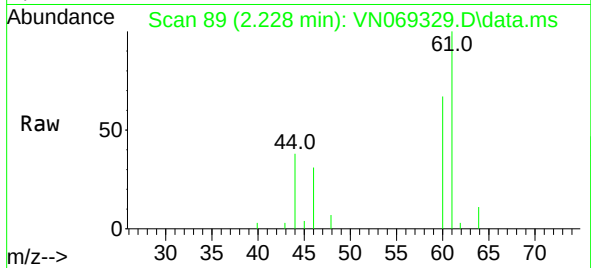




#4
 Vinyl Chloride
 Concen: 0.757 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.215 min
 Lab File: VN069329.D
 Acq: 1 Nov 2021 19:06

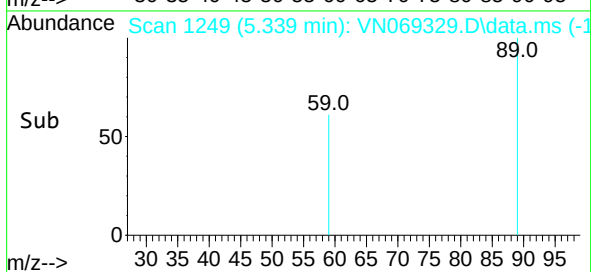
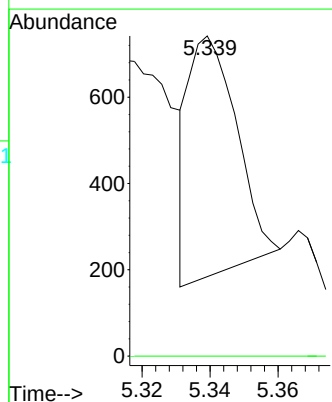
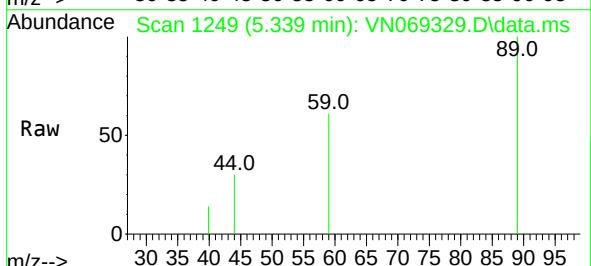
Instrument :
 MSVOA_N
 ClientSampleId :

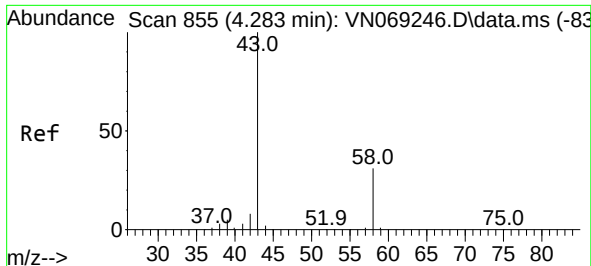
Tgt Ion: 62 Resp: 110
 Ion Ratio Lower Upper
 62 100
 64 112.1 25.7 38.5#



#11
 Tert butyl alcohol
 Concen: 14.057 ug/l
 RT: 5.339 min Scan# 1249
 Delta R.T. -0.024 min
 Lab File: VN069329.D
 Acq: 1 Nov 2021 19:06

Tgt Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

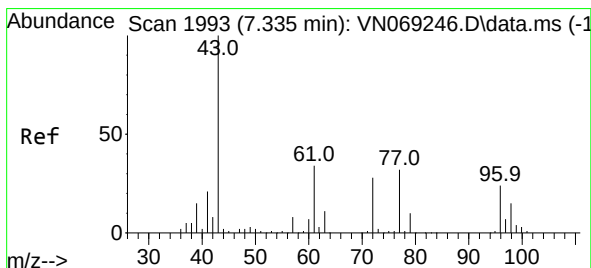
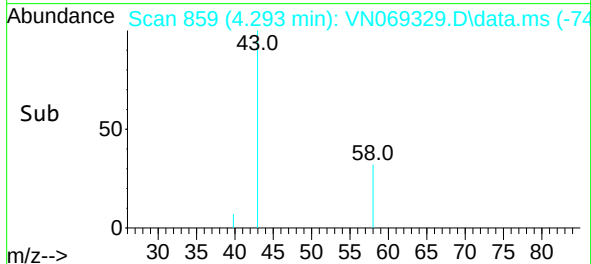
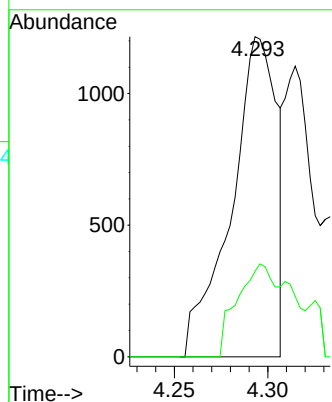
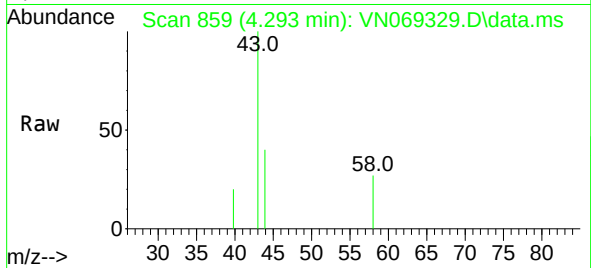




#16
Acetone
Concen: 1.182 ug/l
RT: 4.293 min Scan# 855
Delta R.T. 0.010 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

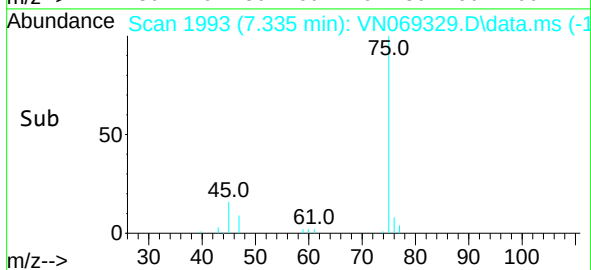
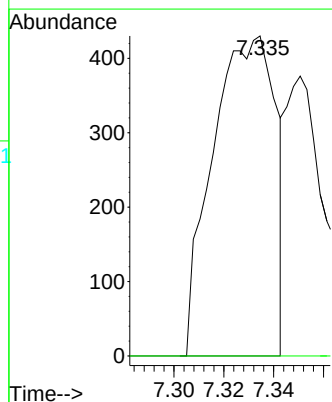
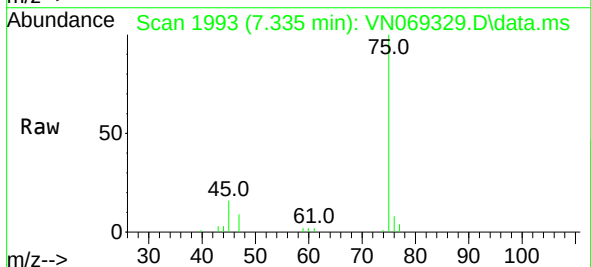
Instrument :
MSVOA_N
ClientSampleId :

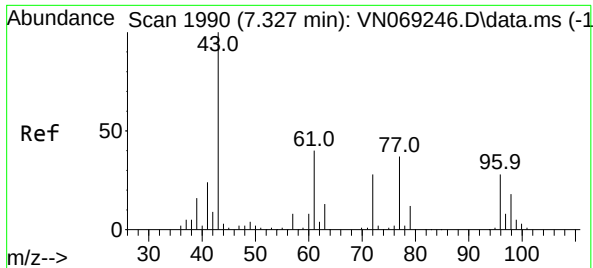
Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
58 26.7 24.5 36.7



#25
2-Butanone
Concen: 1.915 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#26

2,2-Dichloropropane

Concen: 1.108 ug/l

RT: 7.335 min Scan# 1990

Delta R.T. 0.008 min

Lab File: VN069329.D

Acq: 1 Nov 2021 19:06

Instrument :

MSVOA_N

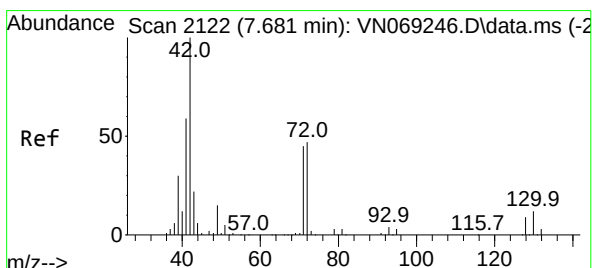
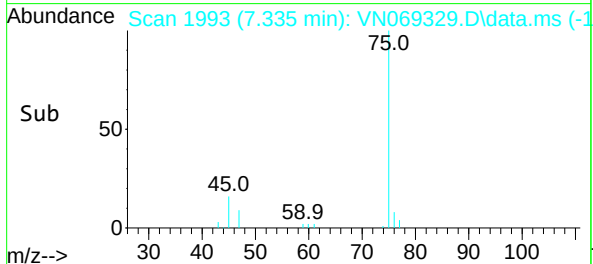
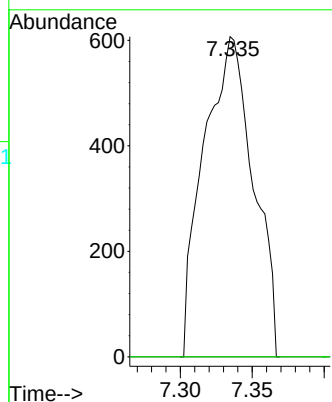
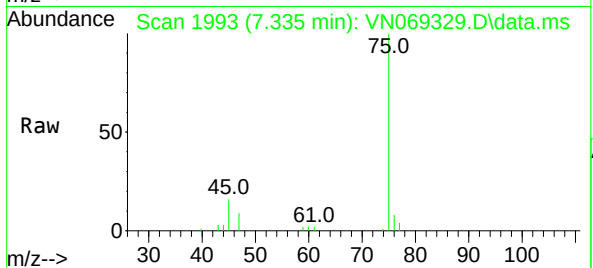
ClientSampleId :

Tgt Ion: 77 Resp: 1455

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#29

Tetrahydrofuran

Concen: 2.951 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.021 min

Lab File: VN069329.D

Acq: 1 Nov 2021 19:06

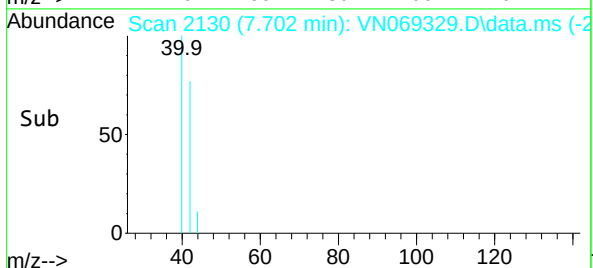
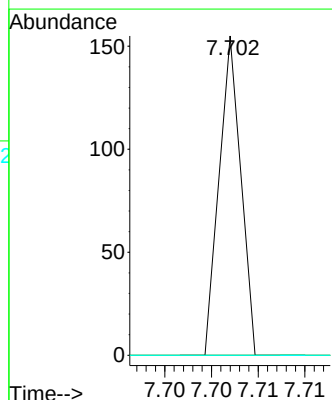
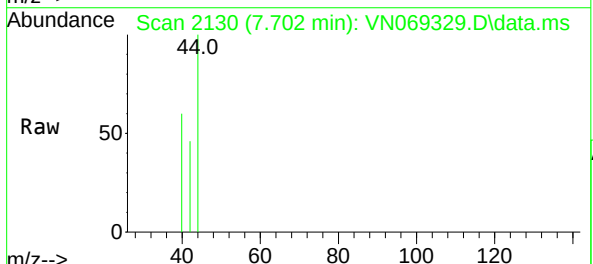
Tgt Ion: 42 Resp: 25

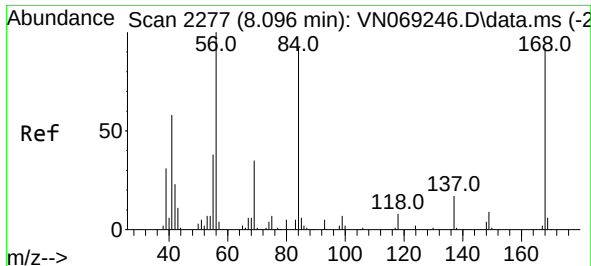
Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

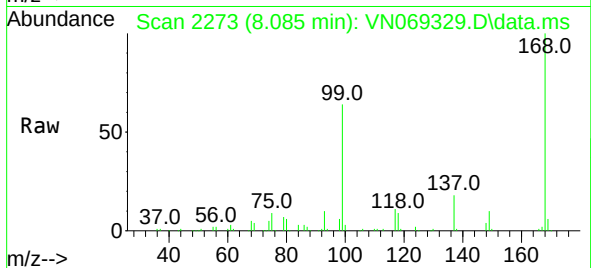
71 0.0 33.8 50.6#



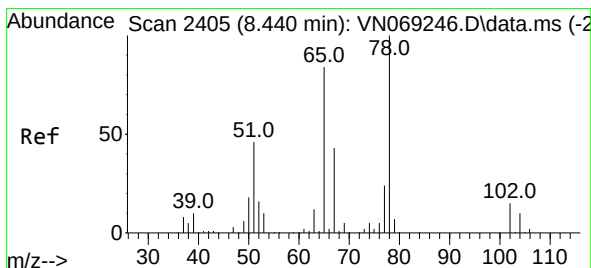
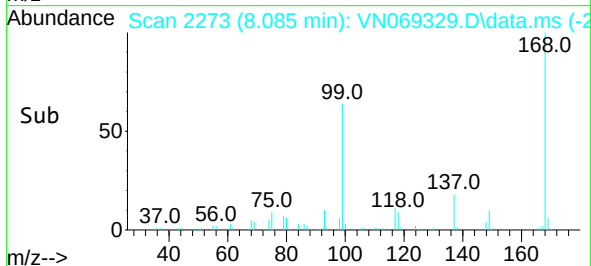
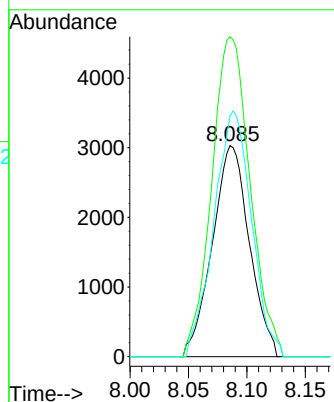


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :

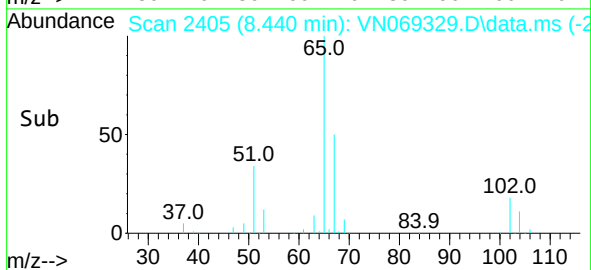
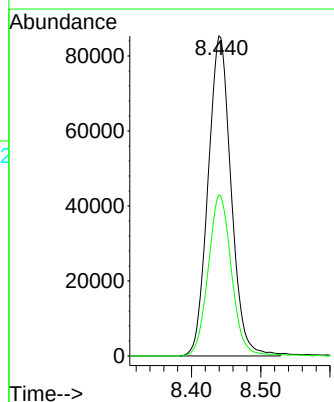
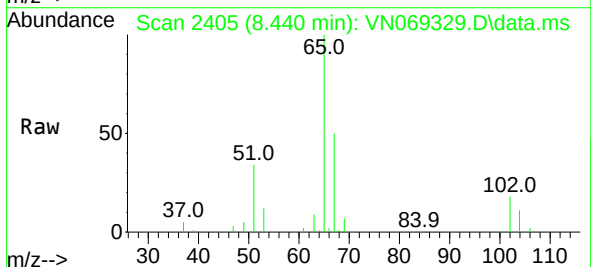


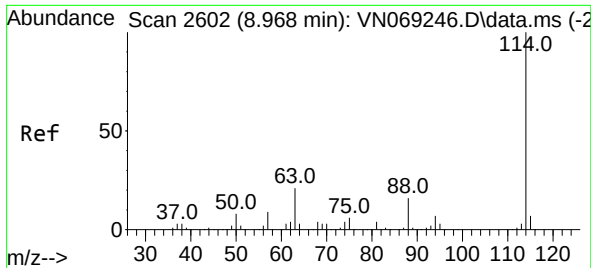
Tgt Ion: 56 Resp: 6679
Ion Ratio Lower Upper
56 100
69 151.7 26.9 40.3#
84 113.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.236 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion: 65 Resp: 197061
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.8

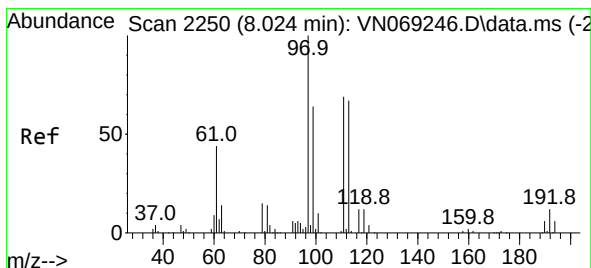
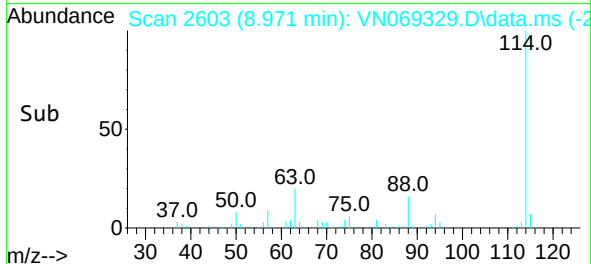
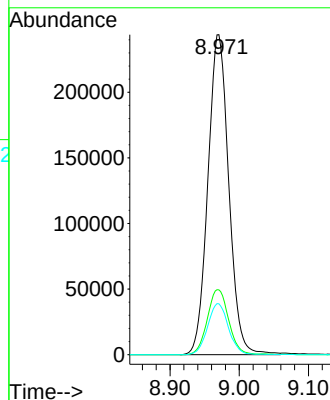
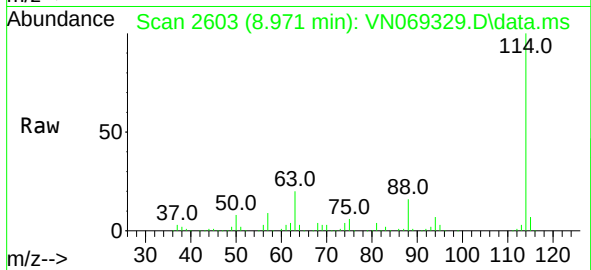




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

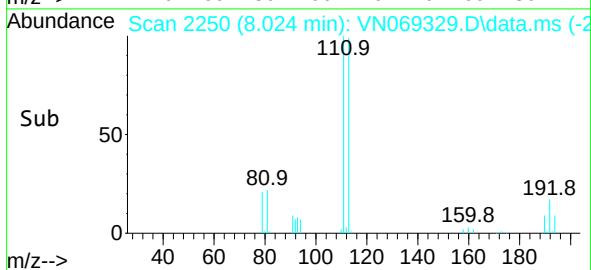
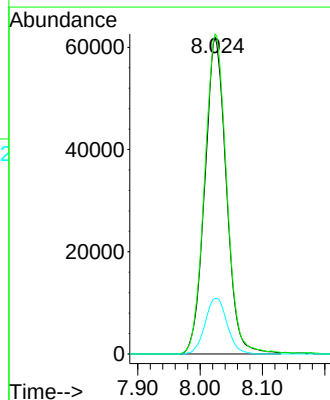
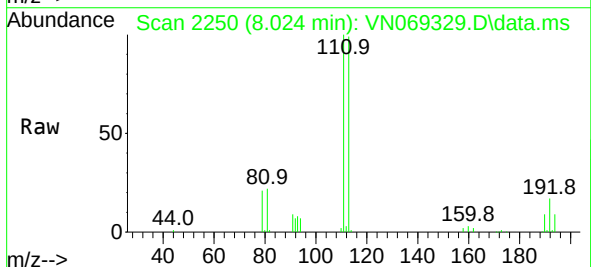
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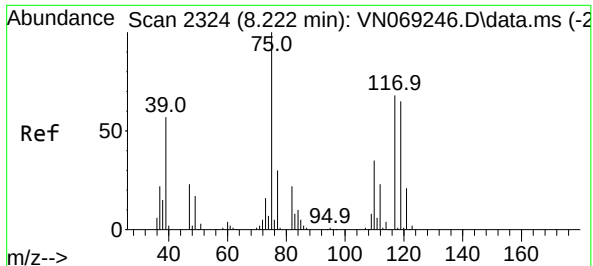
Tgt Ion:114 Resp: 511749
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.626 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion:113 Resp: 148740
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.0 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.473 ug/l

RT: 8.088 min Scan# 21

Delta R.T. -0.134 min

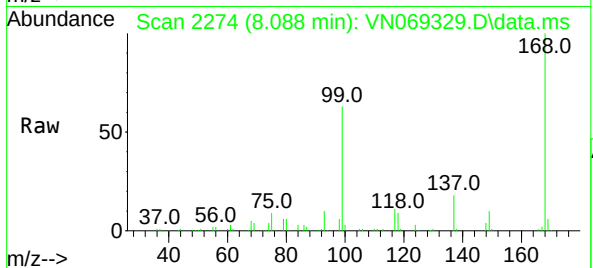
Lab File: VN069329.D

Acq: 1 Nov 2021 19:06

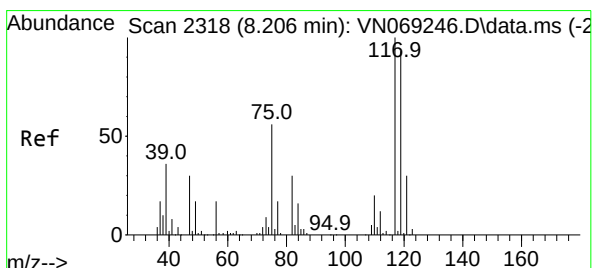
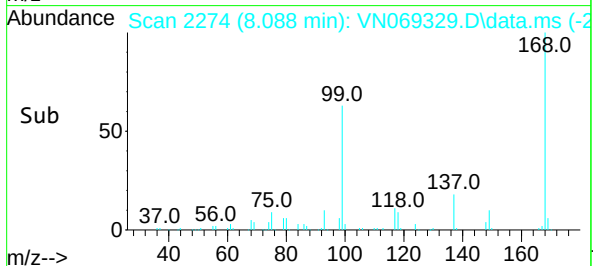
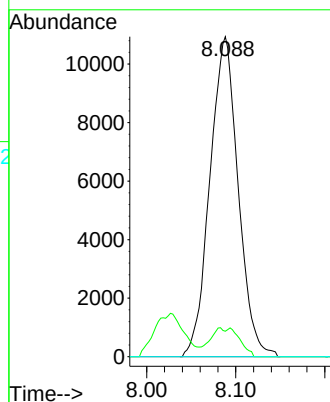
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 24144
Ion Ratio	Lower Upper
75	100
110	2.6 17.9 53.8#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.929 ug/l

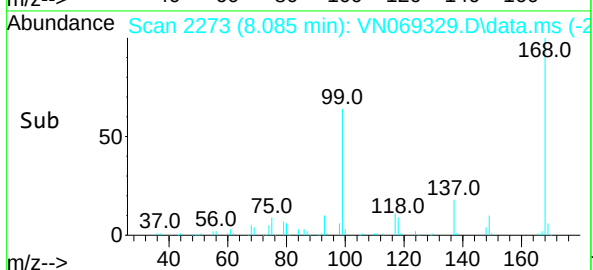
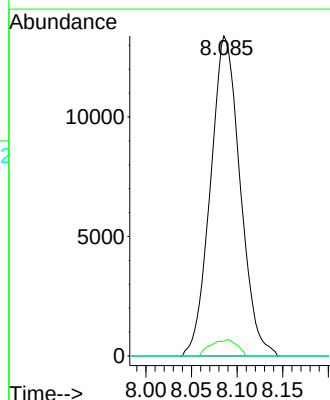
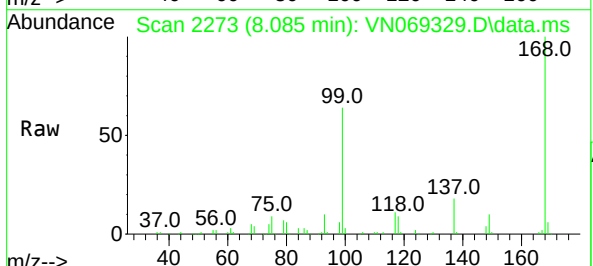
RT: 8.085 min Scan# 2273

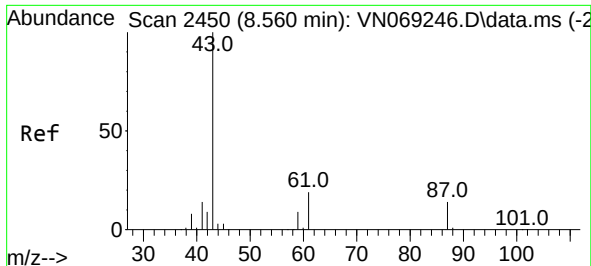
Delta R.T. -0.120 min

Lab File: VN069329.D

Acq: 1 Nov 2021 19:06

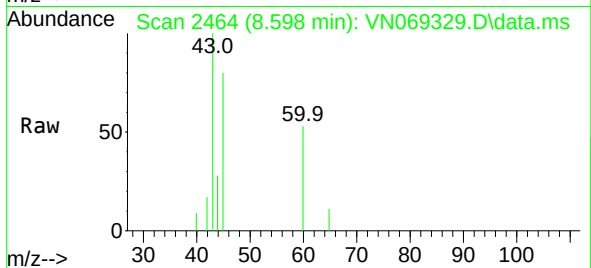
Tgt Ion: 117	Resp: 30317
Ion Ratio	Lower Upper
117	100
119	4.6 76.9 115.3#
121	0.0 24.6 37.0#



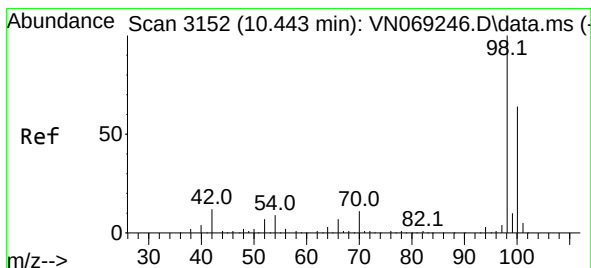
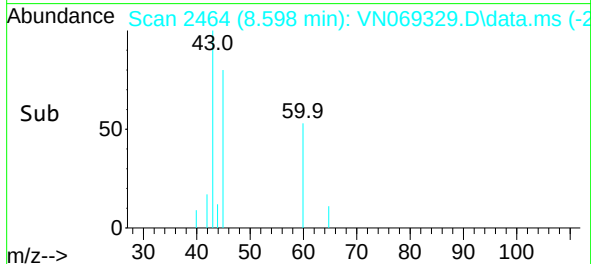
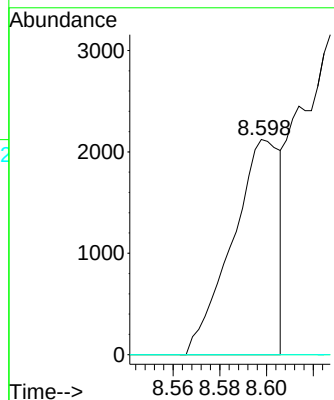


#43
Isopropyl Acetate
Concen: 0.799 ug/l
RT: 8.598 min Scan# 2450
Delta R.T. 0.038 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :

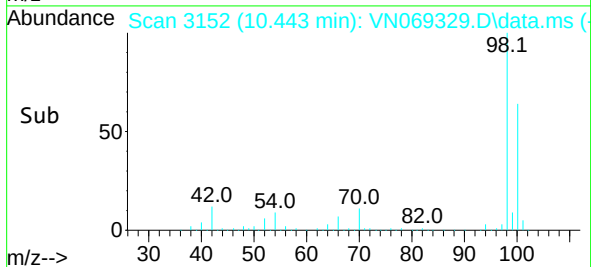
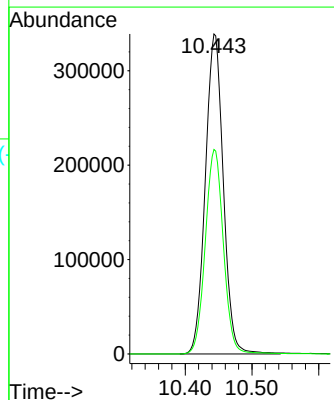
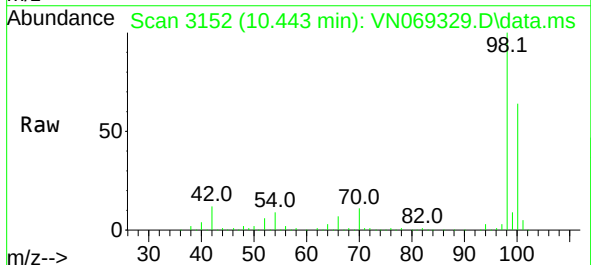


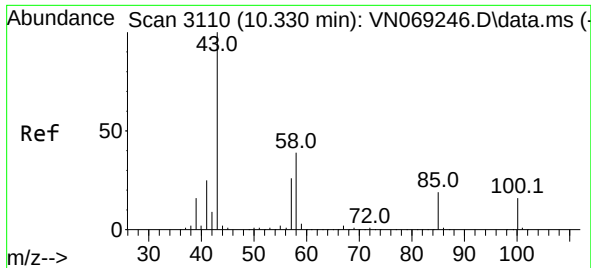
Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 49.797 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion: 98 Resp: 635151
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

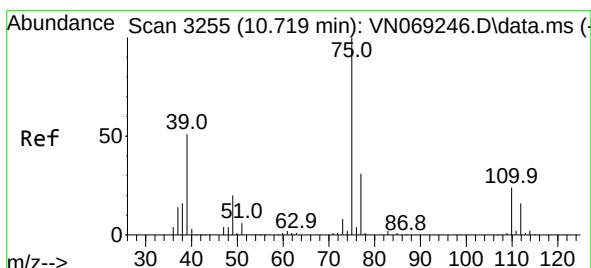
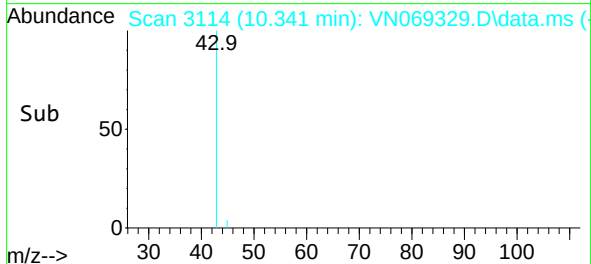
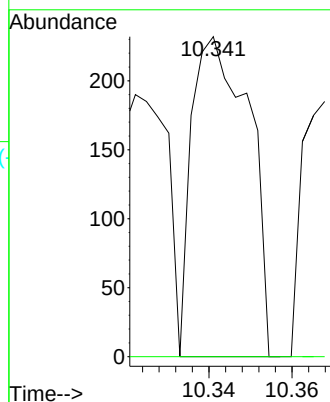
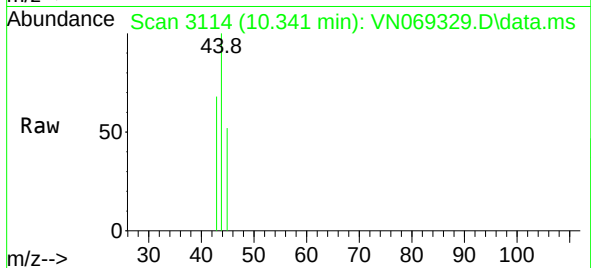




#51
4-Methyl-2-Pentanone
Concen: 6.440 ug/l
RT: 10.341 min Scan# 3110
Delta R.T. 0.011 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

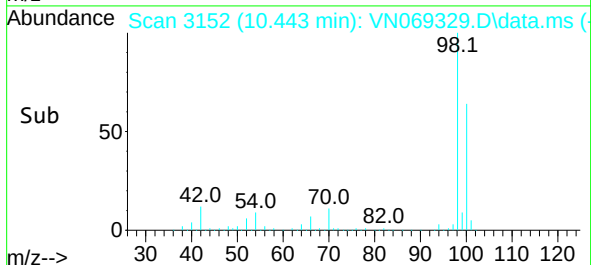
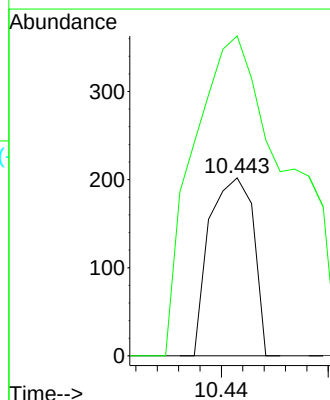
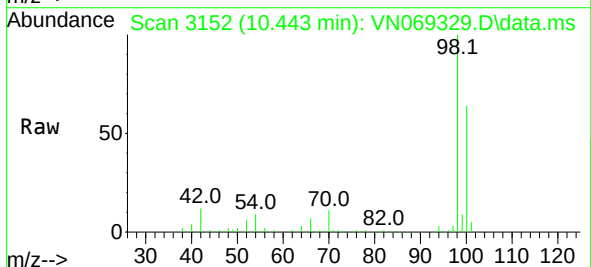
Instrument :
MSVOA_N
ClientSampleId :

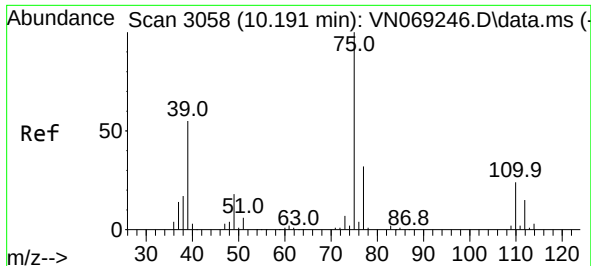
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#



#53
t-1,3-Dichloropropene
Concen: 1.958 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.276 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

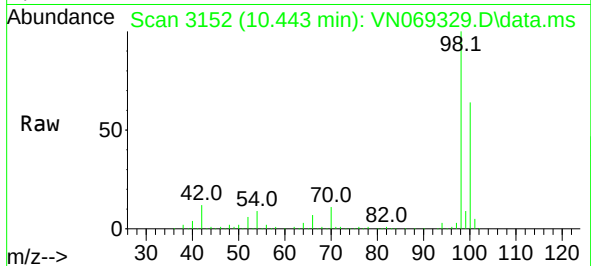
Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
77 87.6 25.4 38.2#



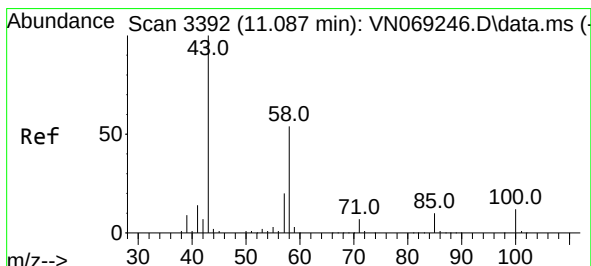
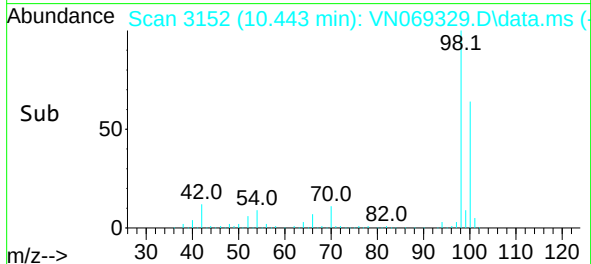
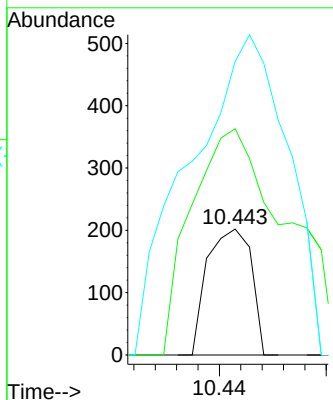


#54
 cis-1,3-Dichloropropene
 Concen: 1.546 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.252 min
 Lab File: VN069329.D
 Acq: 1 Nov 2021 19:06

Instrument :
 MSVOA_N
 ClientSampleId :

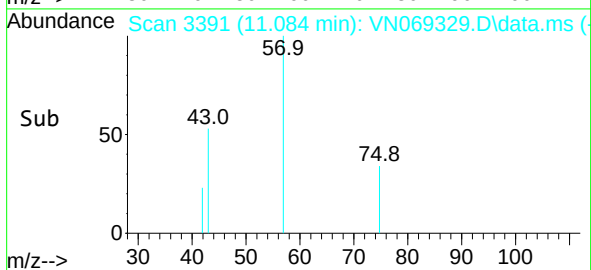
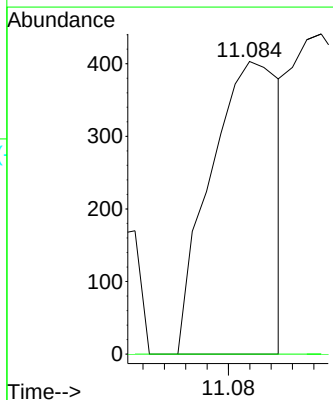
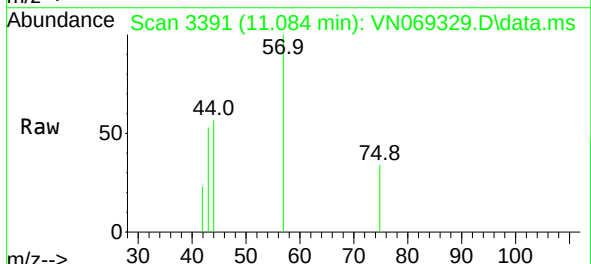


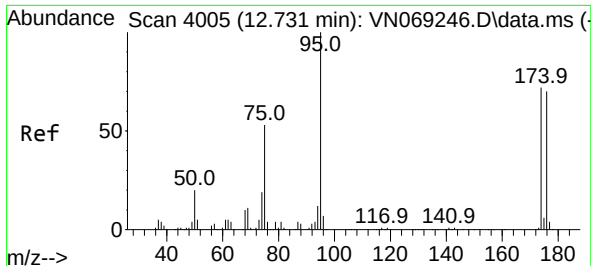
Tgt Ion: 75 Resp: 115
 Ion Ratio Lower Upper
 75 100
 77 87.6 25.6 38.4#
 39 87.6 42.9 64.3#



#59
 2-Hexanone
 Concen: 8.080 ug/l
 RT: 11.084 min Scan# 3391
 Delta R.T. -0.003 min
 Lab File: VN069329.D
 Acq: 1 Nov 2021 19:06

Tgt Ion: 43 Resp: 362
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.9 80.7#

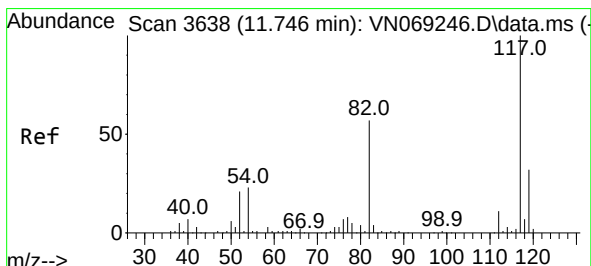
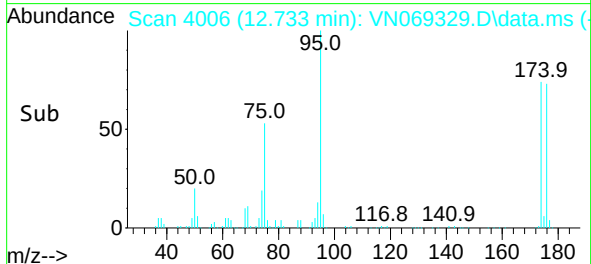
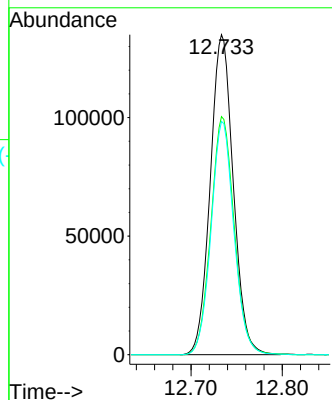
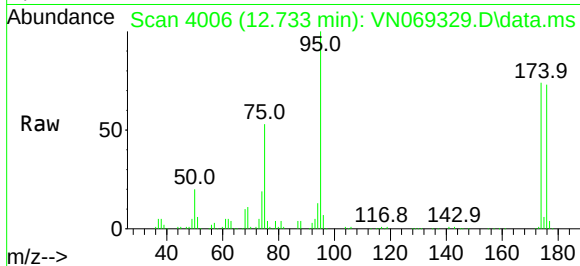




#62
4-Bromofluorobenzene
Concen: 49.211 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

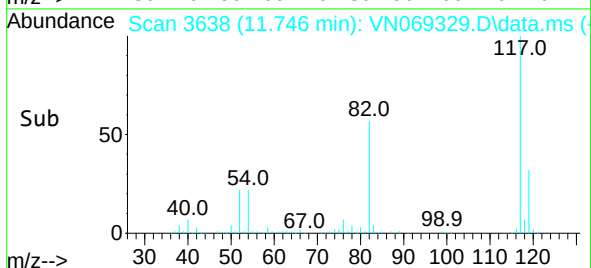
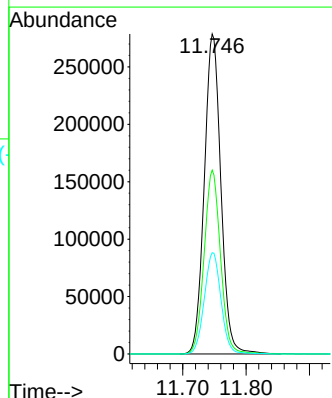
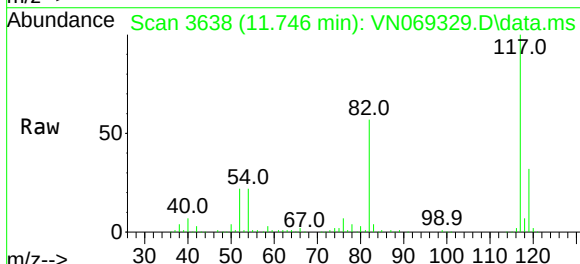
Instrument :
MSVOA_N
ClientSampleId :

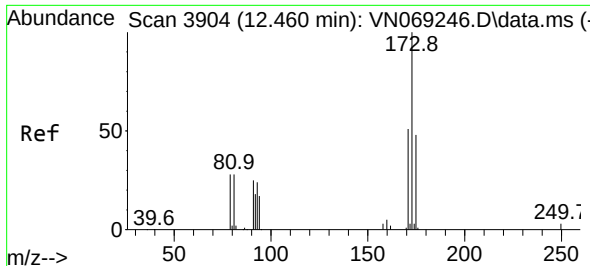
Tgt Ion: 95 Resp: 236856
Ion Ratio Lower Upper
95 100
174 75.5 0.0 144.8
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion: 117 Resp: 507019
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 31.6 26.0 39.0

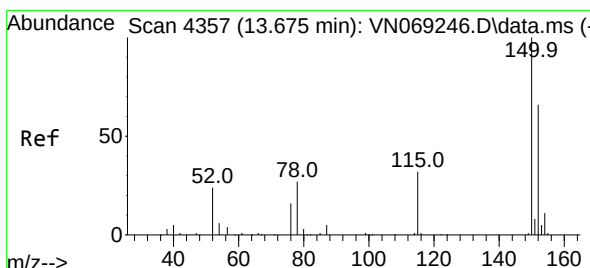
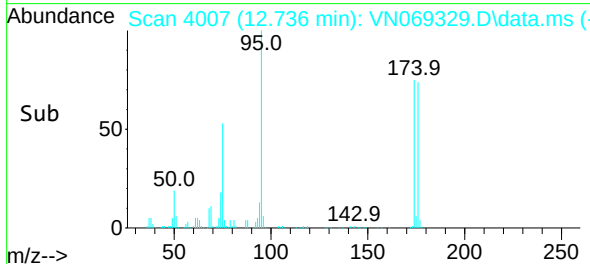
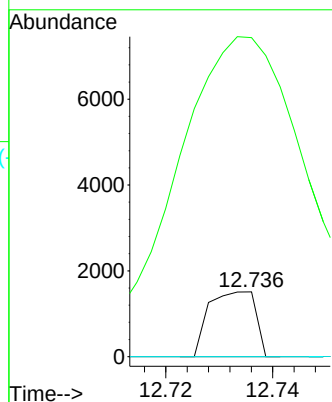
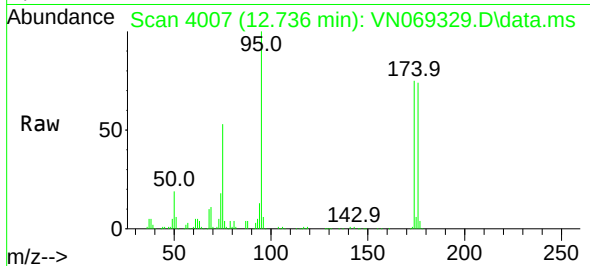




#71
Bromoform
Concen: 3.148 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

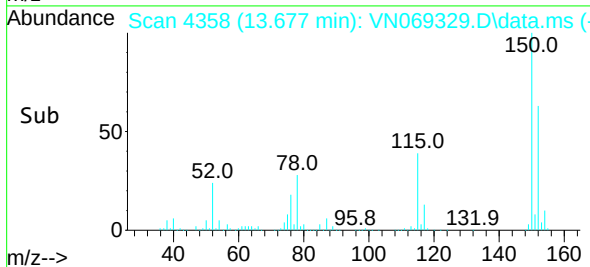
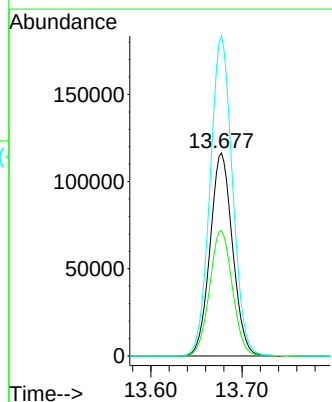
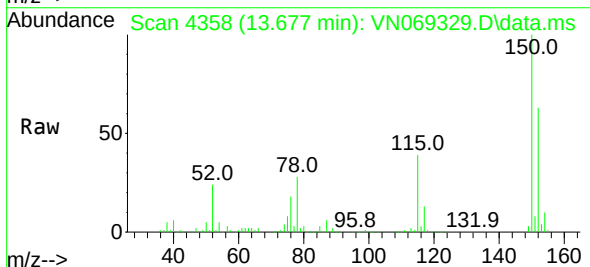
Instrument :
MSVOA_N
ClientSampleId :

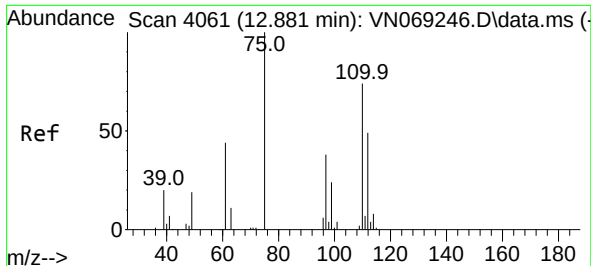
Tgt Ion:173 Resp: 917
Ion Ratio Lower Upper
173 100
175 1319.5 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Tgt Ion:152 Resp: 199334
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 157.1 0.0 351.0

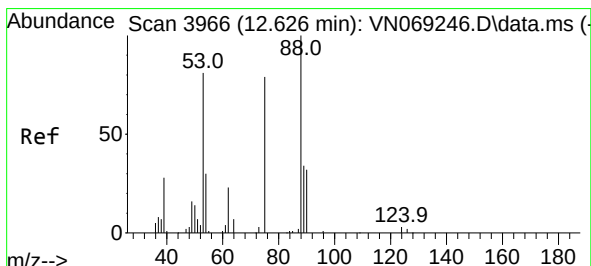
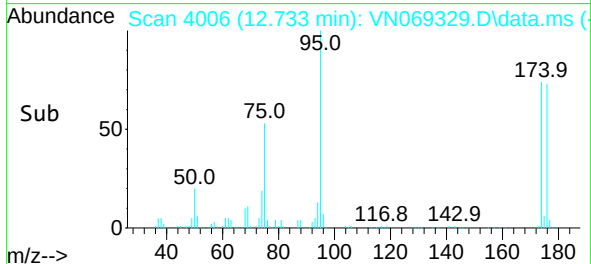
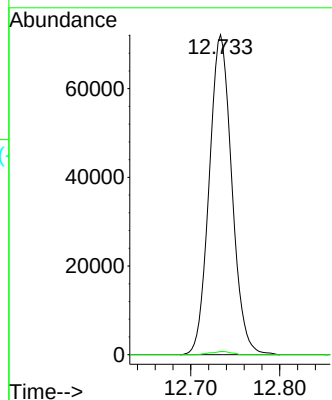
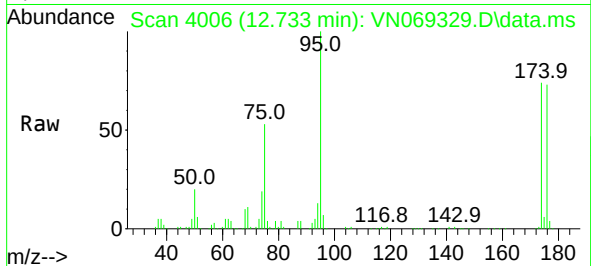




#76
1,2,3-Trichloropropane
Concen: 24.297 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

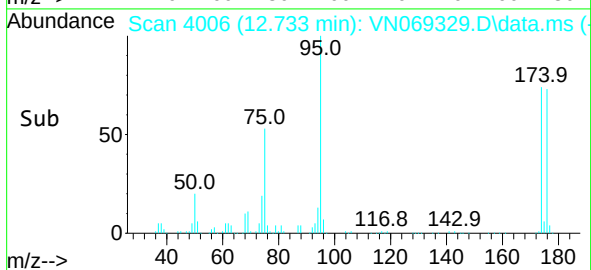
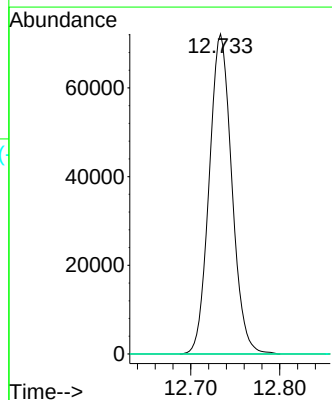
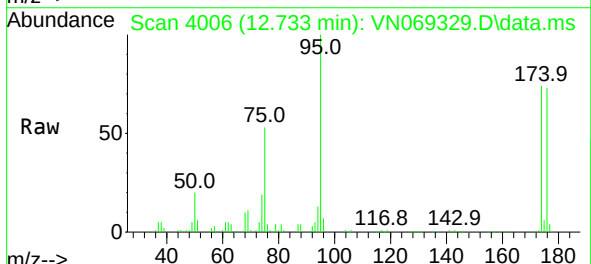
Instrument :
MSVOA_N
ClientSampleId :

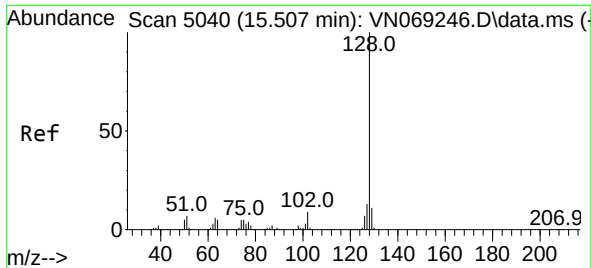
Tgt Ion: 75 Resp: 127382
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.710 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

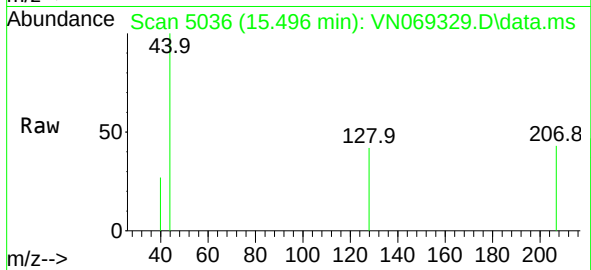
Tgt Ion: 75 Resp: 127382
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.328 ug/l
RT: 15.496 min Scan# 50
Delta R.T. -0.011 min
Lab File: VN069329.D
Acq: 1 Nov 2021 19:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 214
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

