

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110121\
 Data File : VN069333.D
 Acq On : 1 Nov 2021 20:49
 Operator : JC/MD
 Sample : M4427-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:51:34 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

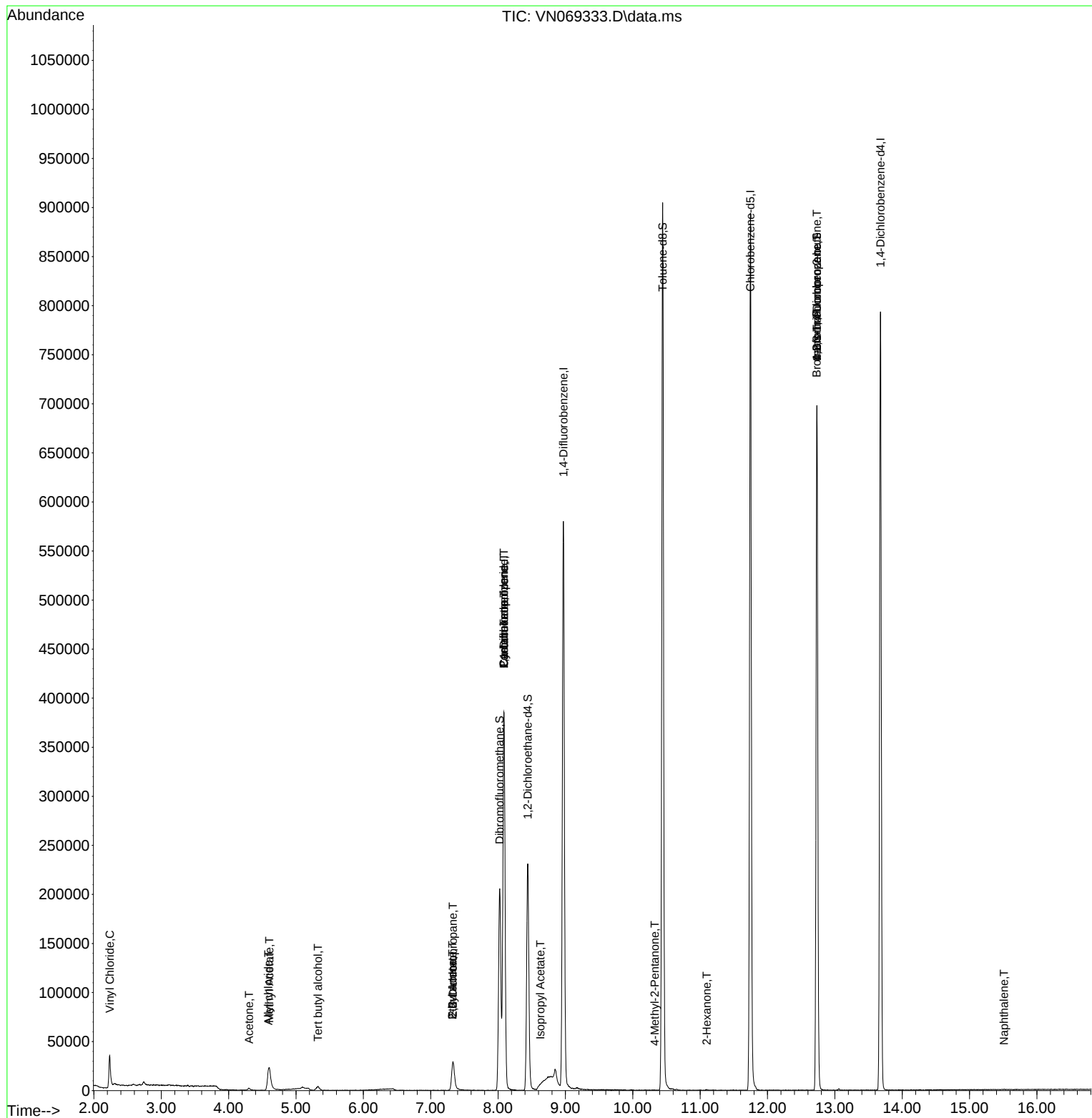
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	285845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	513073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	515513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	213965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	201387	48.806	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.620%
35) Dibromofluoromethane	8.024	113	151074	47.235	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.480%
50) Toluene-d8	10.443	98	642727	50.261	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.734	95	248640	51.526	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	566	Below Cal	#	42
4) Vinyl Chloride	2.236	62	242	0.788	ug/l #	1
11) Tert butyl alcohol	5.329	59	3560	17.607	ug/l #	72
14) Allyl chloride	4.591	41	1833	0.403	ug/l #	1
16) Acetone	4.301	43	3544	2.016	ug/l	100
18) Methyl Acetate	4.604	43	11009	1.843	ug/l #	52
25) 2-Butanone	7.324	43	1826	2.307	ug/l #	48
26) 2,2-Dichloropropane	7.329	77	1915	1.190	ug/l #	53
31) Cyclohexane	8.086	56	6708	1.215	ug/l #	6
36) 1,1-Dichloropropene	8.088	75	24293	5.492	ug/l #	50
37) Ethyl Acetate	7.324	43	1826	0.362	ug/l #	48
38) Carbon Tetrachloride	8.086	117	30557	6.961	ug/l #	16
43) Isopropyl Acetate	8.627	43	4807	1.001	ug/l #	55
51) 4-Methyl-2-Pentanone	10.325	43	117	6.422	ug/l #	36
59) 2-Hexanone	11.100	43	469	8.104	ug/l #	25
71) Bromoform	12.731	173	1670	3.366	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	133081	23.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	133081	67.962	ug/l #	12
95) Naphthalene	15.512	128	282	3.332	ug/l #	69

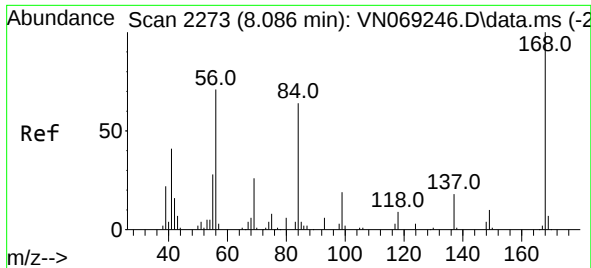
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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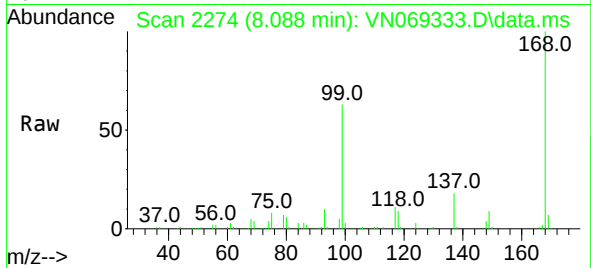
Quant Time: Nov 02 05:51:34 2021
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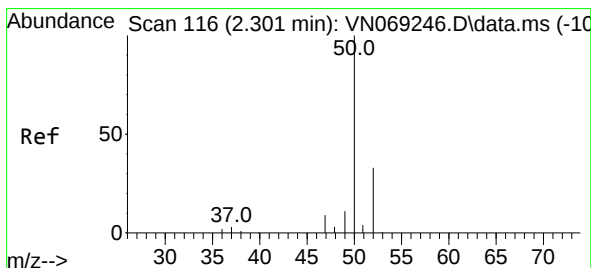
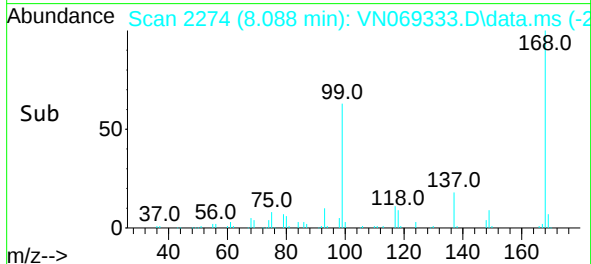
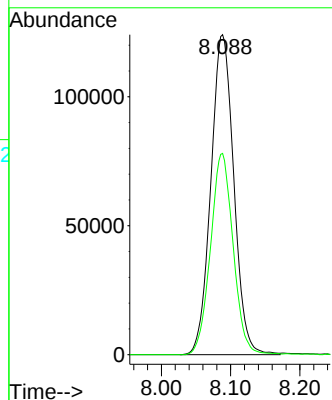


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Instrument :
MSVOA_N
ClientSampleId :

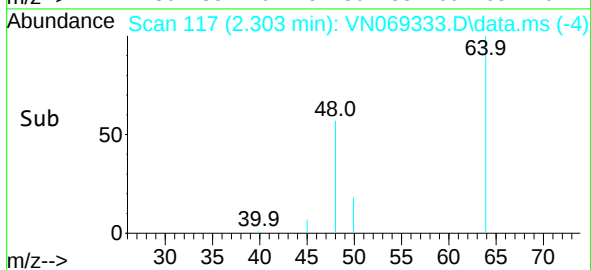
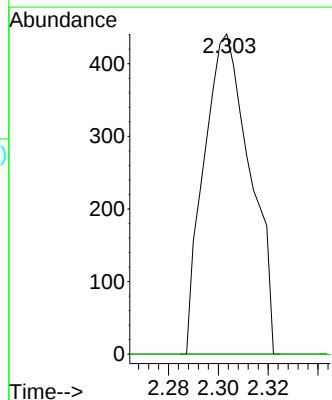
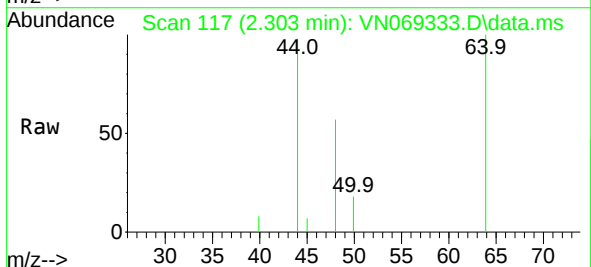


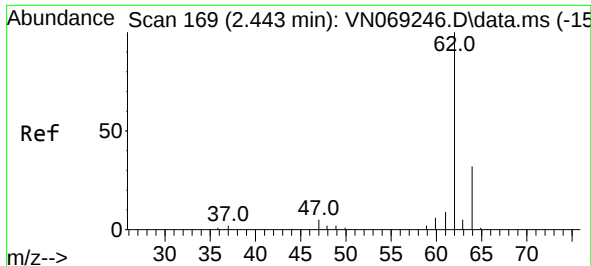
Tgt Ion:168 Resp: 285845
Ion Ratio Lower Upper
168 100
99 62.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

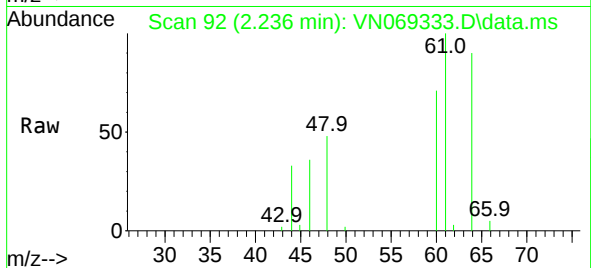
Tgt Ion: 50 Resp: 566
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



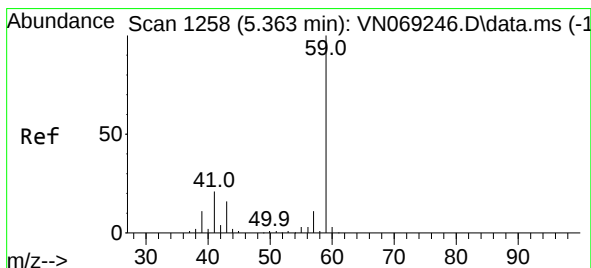
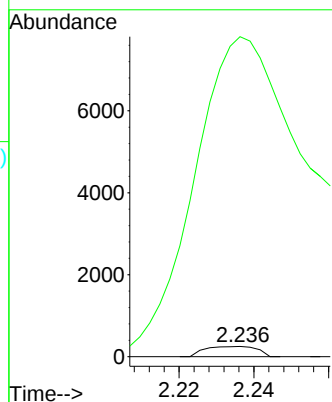
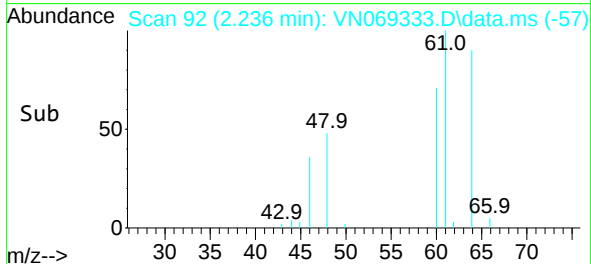


#4
 Vinyl Chloride
 Concen: 0.788 ug/l
 RT: 2.236 min Scan# 91
 Delta R.T. -0.207 min
 Lab File: VN069333.D
 Acq: 1 Nov 2021 20:49

Instrument :
 MSVOA_N
 ClientSampleId :

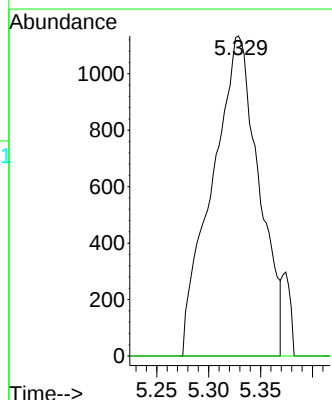
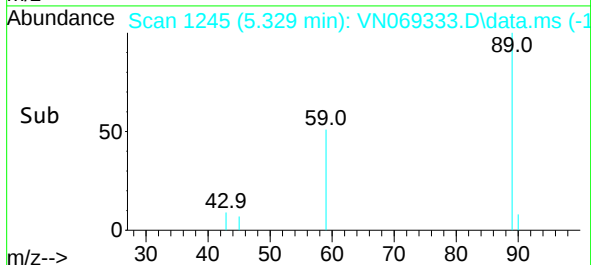
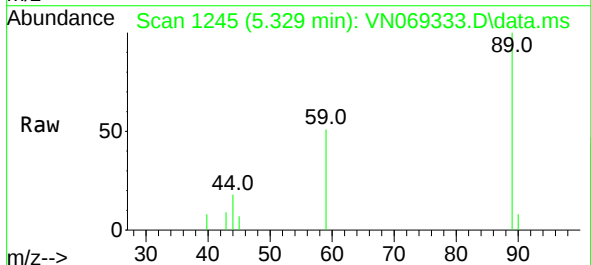


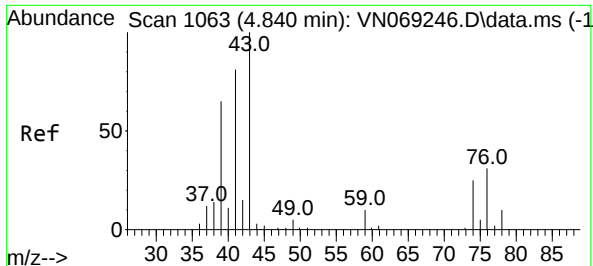
Tgt Ion: 62 Resp: 242
 Ion Ratio Lower Upper
 62 100
 64 2041.2 25.7 38.5#



#11
 Tert butyl alcohol
 Concen: 17.607 ug/l
 RT: 5.329 min Scan# 1245
 Delta R.T. -0.034 min
 Lab File: VN069333.D
 Acq: 1 Nov 2021 20:49

Tgt Ion: 59 Resp: 3560
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.403 ug/l

RT: 4.591 min Scan# 91

Delta R.T. -0.249 min

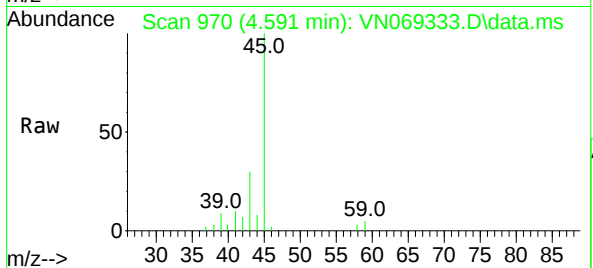
Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Instrument :

MSVOA_N

ClientSampleId :



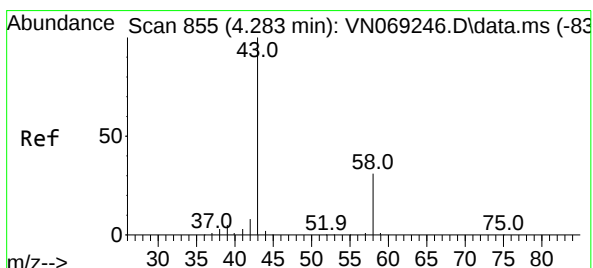
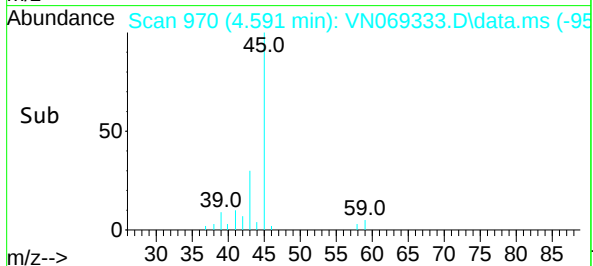
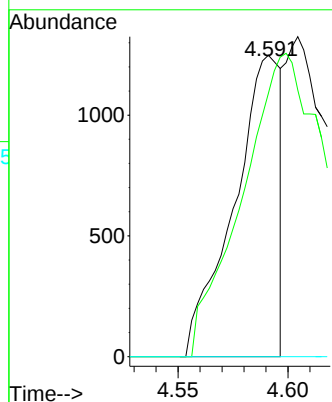
Tgt Ion: 41 Resp: 1833

Ion Ratio Lower Upper

41 100

39 213.4 55.6 83.4#

76 0.0 26.4 39.6#



#16

Acetone

Concen: 2.016 ug/l

RT: 4.301 min Scan# 862

Delta R.T. 0.018 min

Lab File: VN069333.D

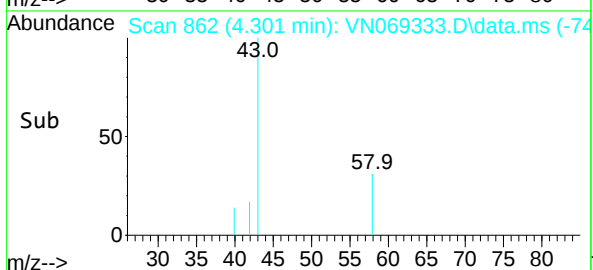
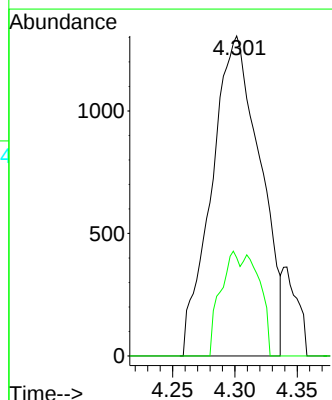
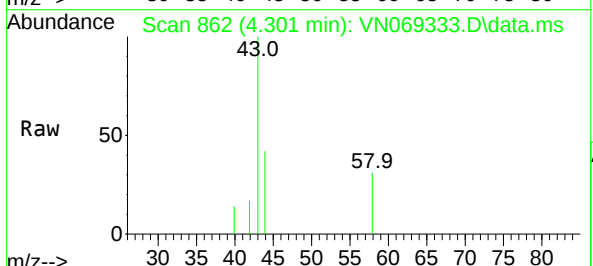
Acq: 1 Nov 2021 20:49

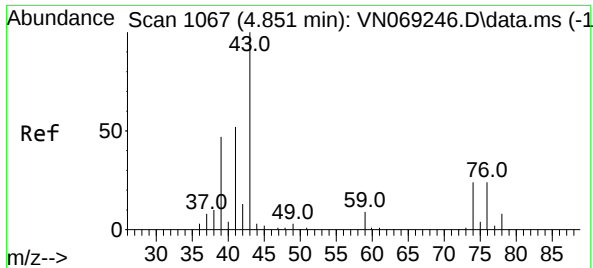
Tgt Ion: 43 Resp: 3544

Ion Ratio Lower Upper

43 100

58 30.7 24.5 36.7

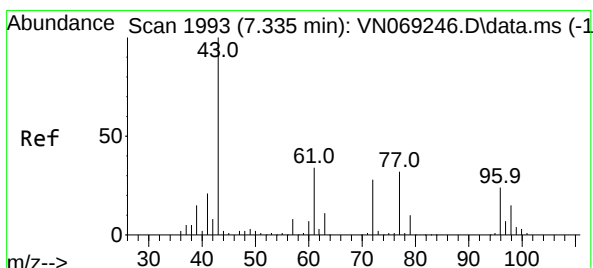
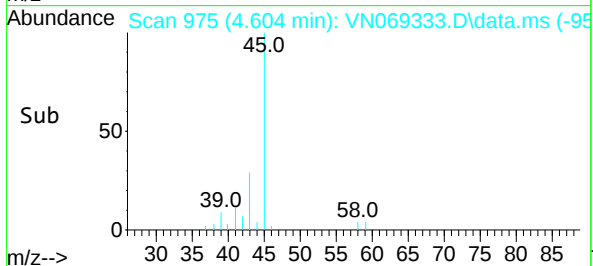
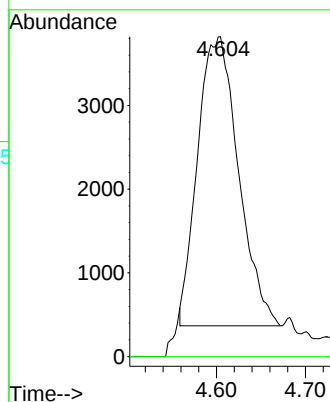
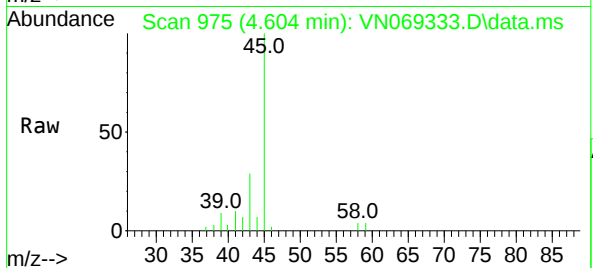




#18
Methyl Acetate
Concen: 1.843 ug/l
RT: 4.604 min Scan# 91
Delta R.T. -0.247 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

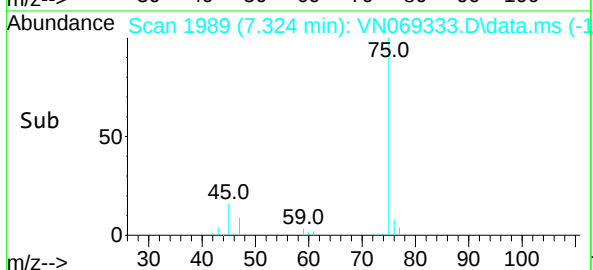
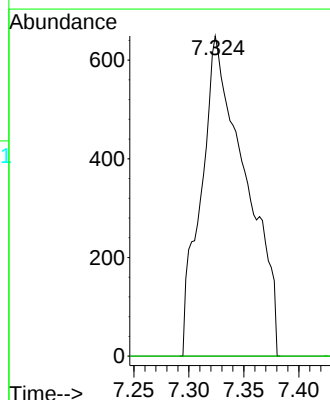
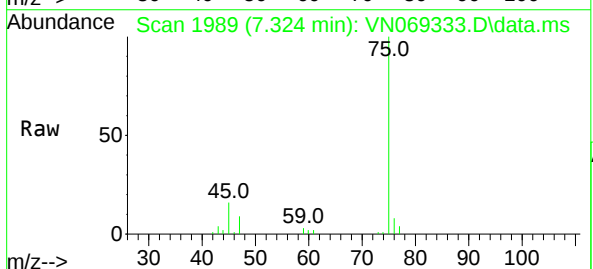
Instrument :
MSVOA_N
ClientSampleId :

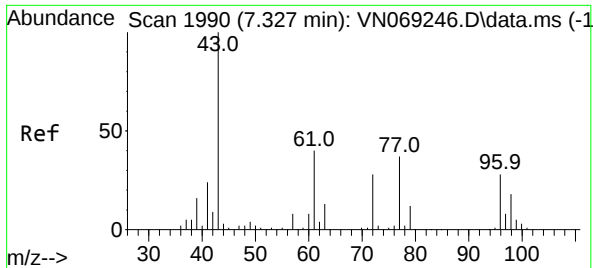
Tgt Ion: 43 Resp: 11009
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#25
2-Butanone
Concen: 2.307 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.011 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#26

2,2-Dichloropropane

Concen: 1.190 ug/l

RT: 7.329 min Scan# 1990

Delta R.T. 0.002 min

Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Instrument :

MSVOA_N

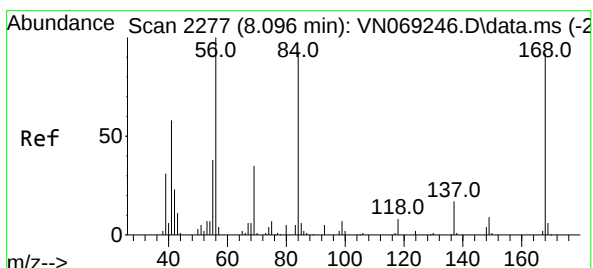
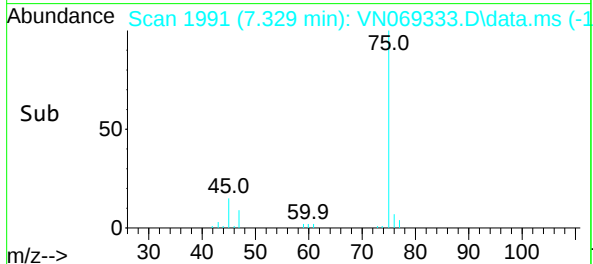
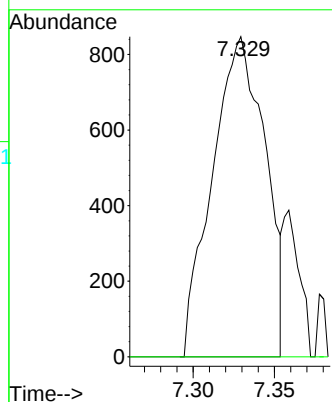
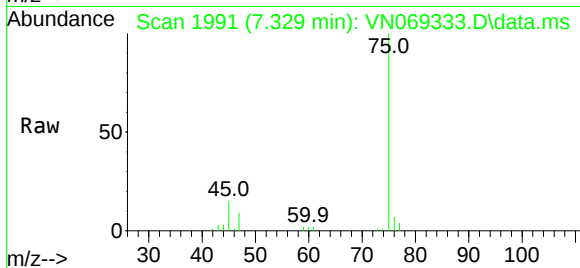
ClientSampleId :

Tgt Ion: 77 Resp: 1915

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

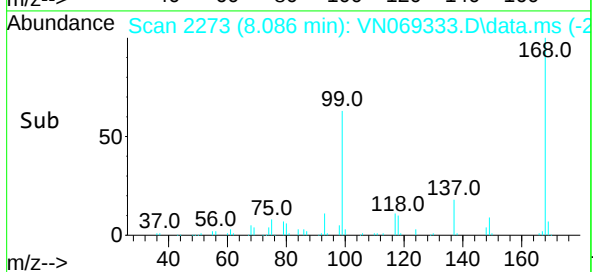
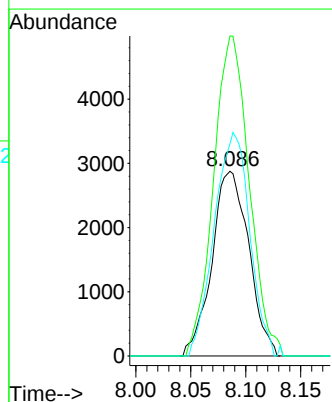
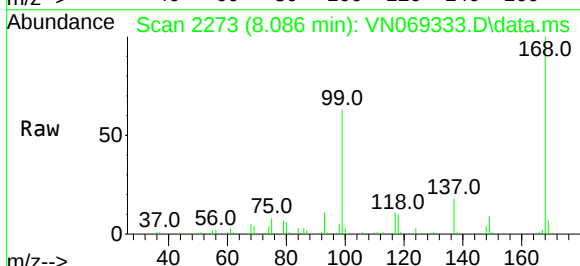
Tgt Ion: 56 Resp: 6708

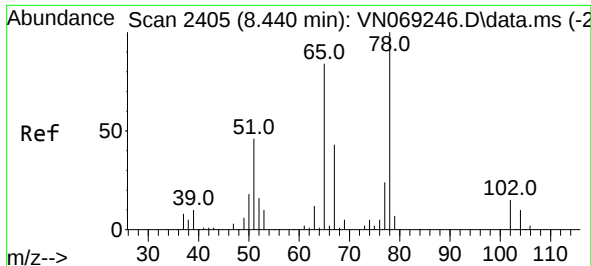
Ion Ratio Lower Upper

56 100

69 173.3 26.9 40.3#

84 114.9 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.806 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Instrument :

MSVOA_N

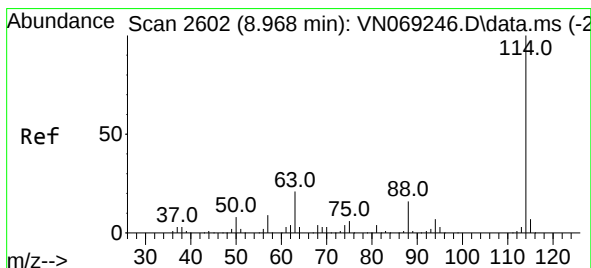
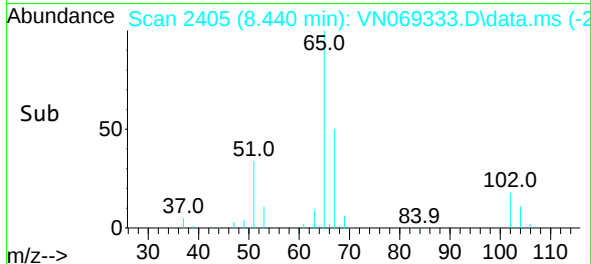
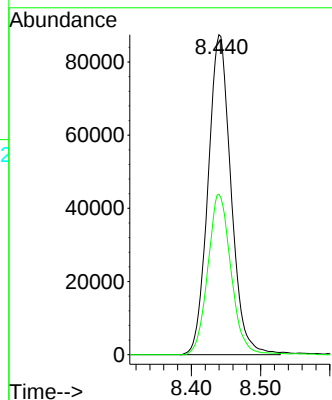
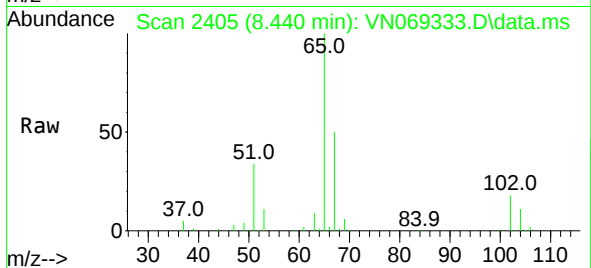
ClientSampleId :

Tgt Ion: 65 Resp: 201387

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: VN069333.D

Acq: 1 Nov 2021 20:49

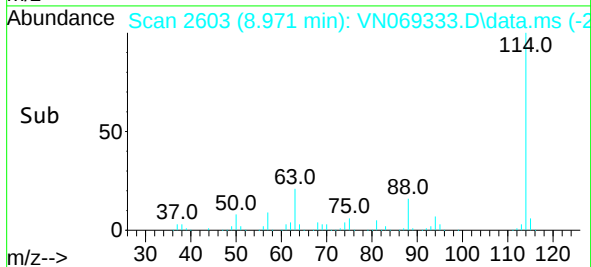
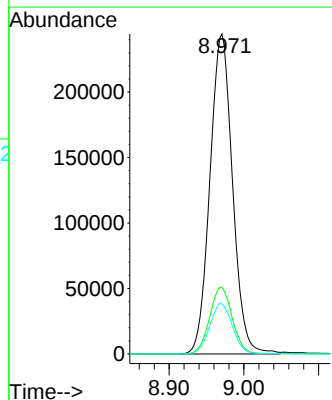
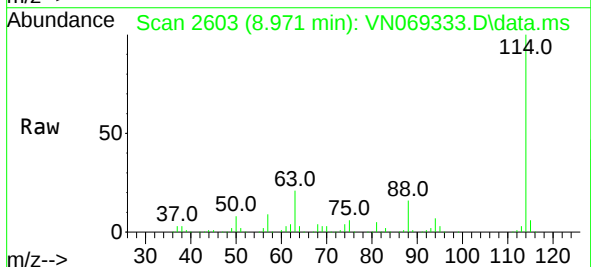
Tgt Ion: 114 Resp: 513073

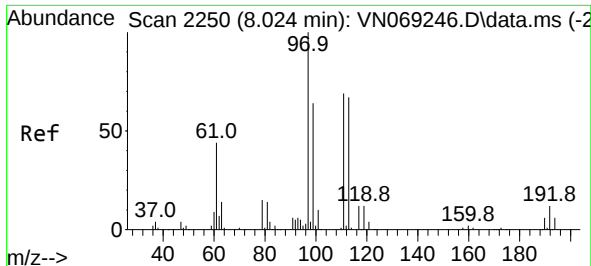
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

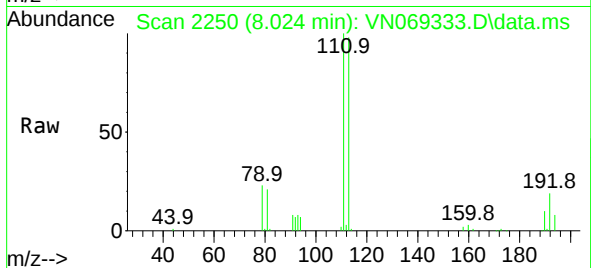
88 15.6 0.0 32.0



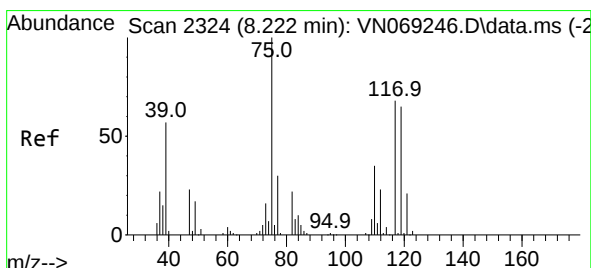
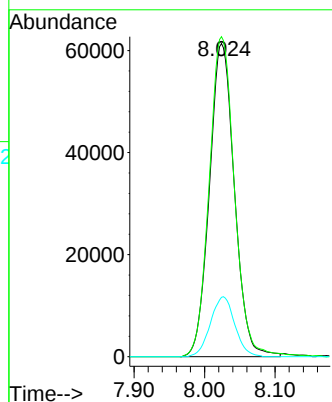
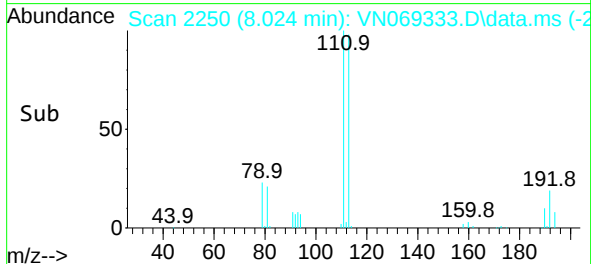


#35
Dibromofluoromethane
Concen: 47.235 ug/l
RT: 8.024 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Instrument :
MSVOA_N
ClientSampleId :

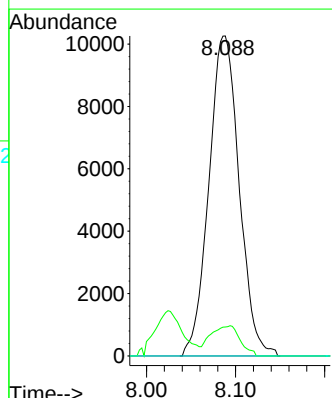
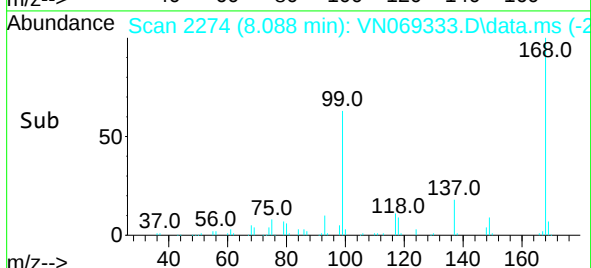
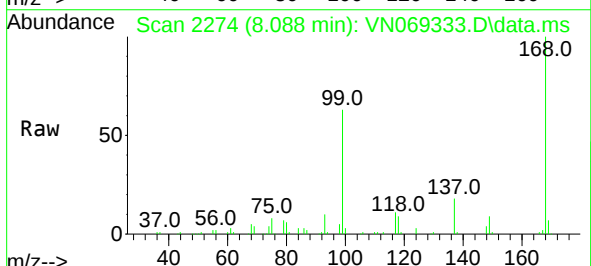


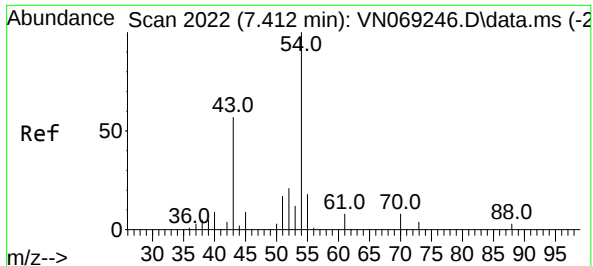
Tgt Ion:113 Resp: 151074
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.492 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion: 75 Resp: 24293
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.362 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.088 min

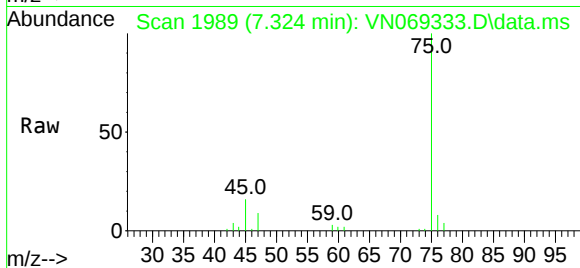
Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

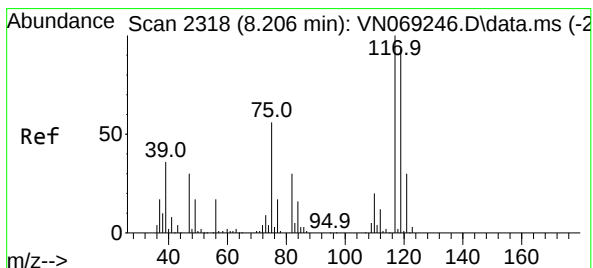
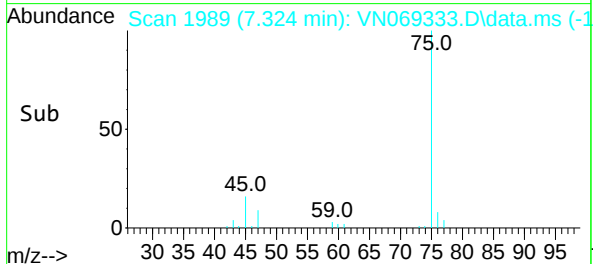
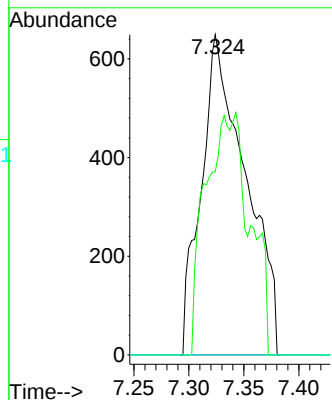
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1826
Ion	Ratio	Lower	Upper
43	100		
61	42.6	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 6.961 ug/l

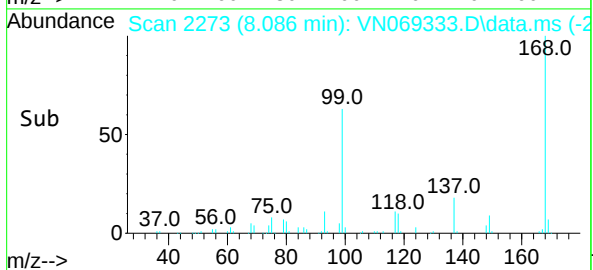
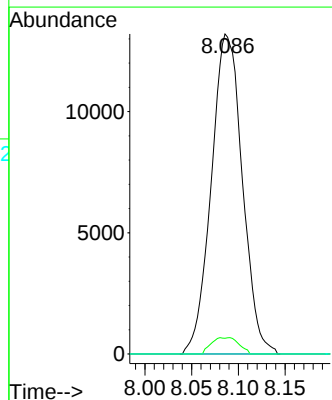
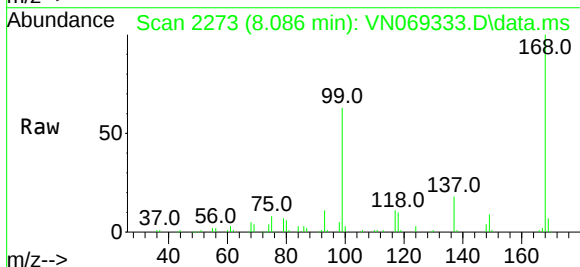
RT: 8.086 min Scan# 2273

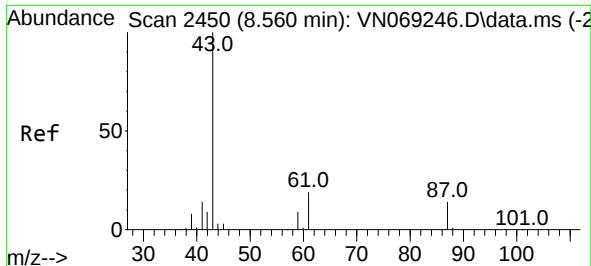
Delta R.T. -0.120 min

Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Tgt Ion:	117	Resp:	30557
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.9	115.3#
121	0.0	24.6	37.0#

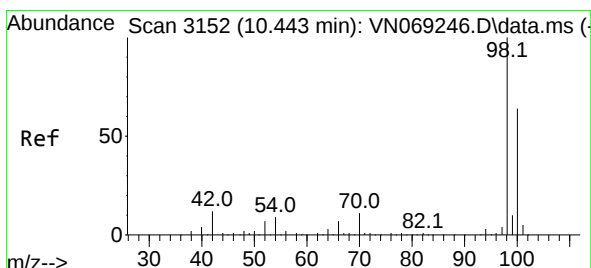
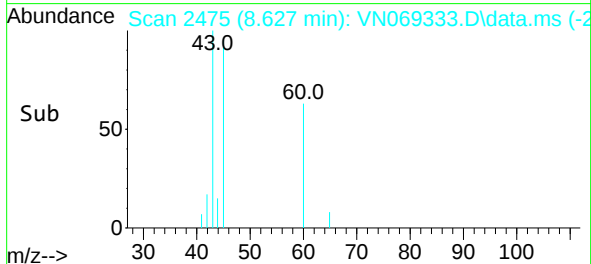
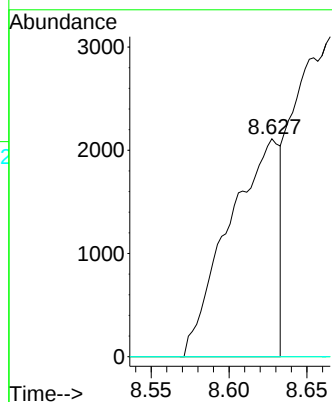
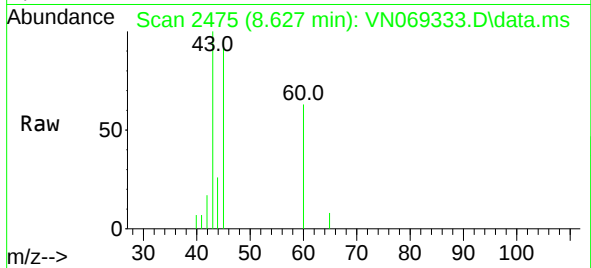




#43
Isopropyl Acetate
Concen: 1.001 ug/l
RT: 8.627 min Scan# 2450
Delta R.T. 0.067 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

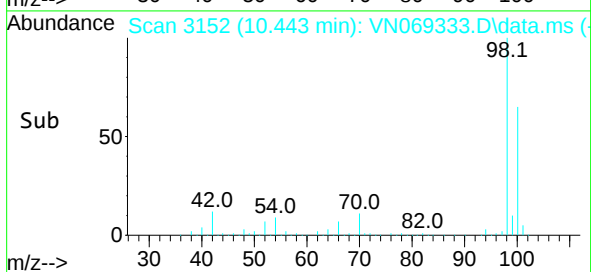
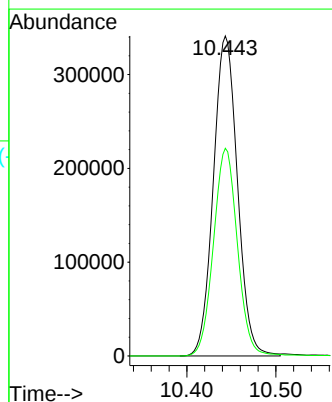
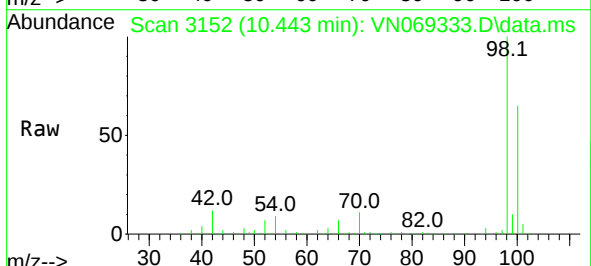
Instrument :
MSVOA_N
ClientSampleId :

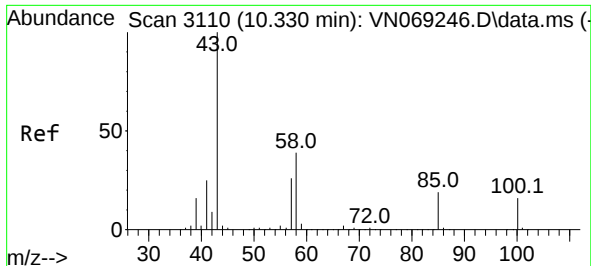
Tgt Ion: 43 Resp: 4807
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion: 98 Resp: 642727
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

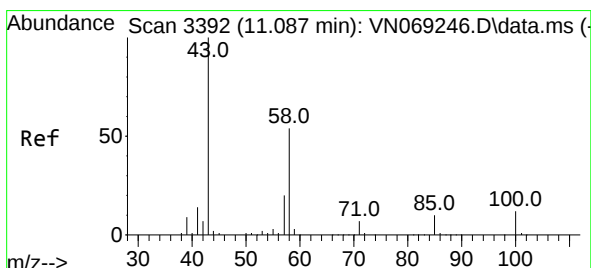
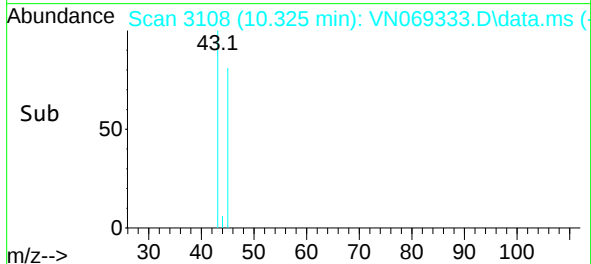
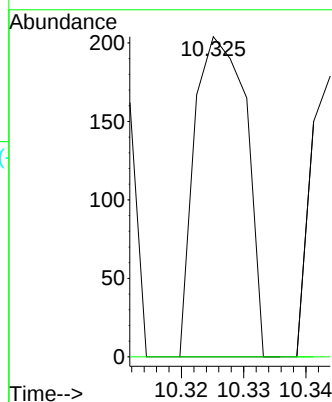
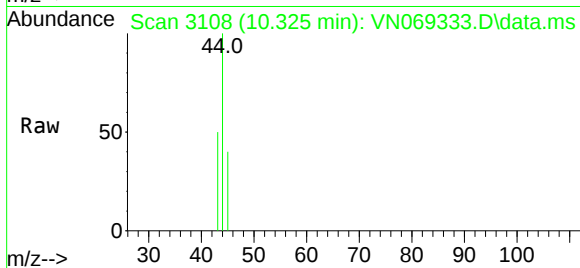




#51
4-Methyl-2-Pentanone
Concen: 6.422 ug/l
RT: 10.325 min Scan# 3110
Delta R.T. -0.005 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

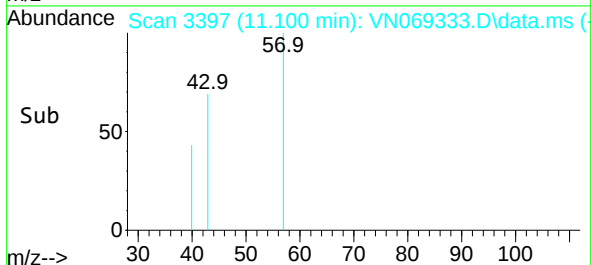
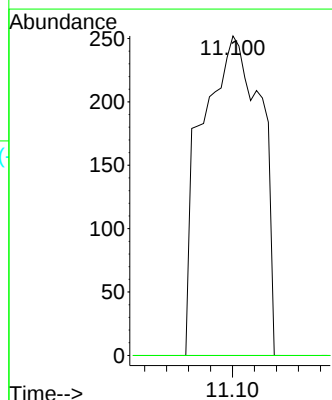
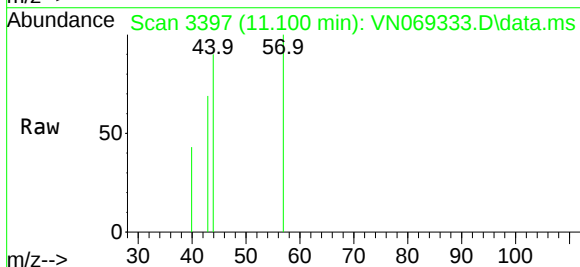
Instrument :
MSVOA_N
ClientSampleId :

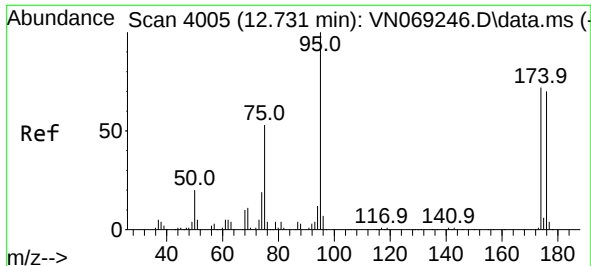
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#



#59
2-Hexanone
Concen: 8.104 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#





#62

4-Bromofluorobenzene

Concen: 51.526 ug/l

RT: 12.734 min Scan# 4005

Delta R.T. 0.003 min

Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Instrument :

MSVOA_N

ClientSampleId :

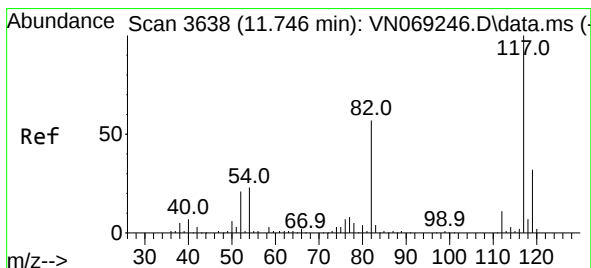
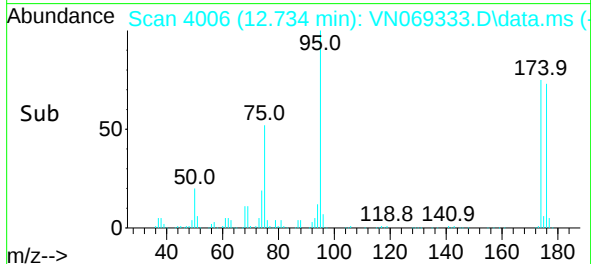
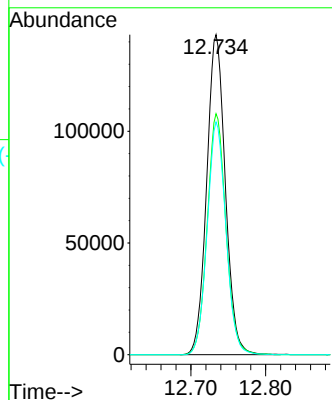
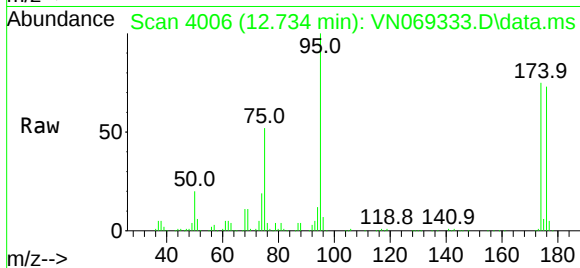
Tgt Ion: 95 Resp: 248640

Ion Ratio Lower Upper

95 100

174 75.5 0.0 144.8

176 72.8 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: VN069333.D

Acq: 1 Nov 2021 20:49

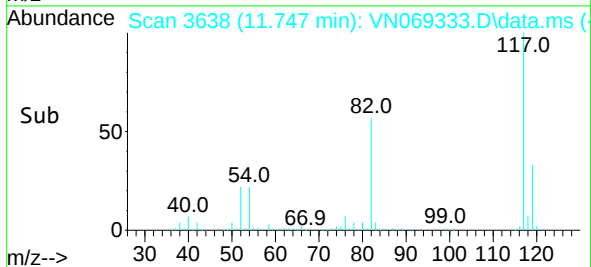
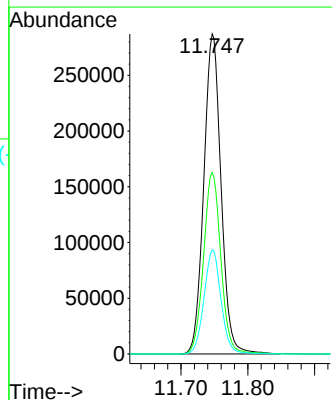
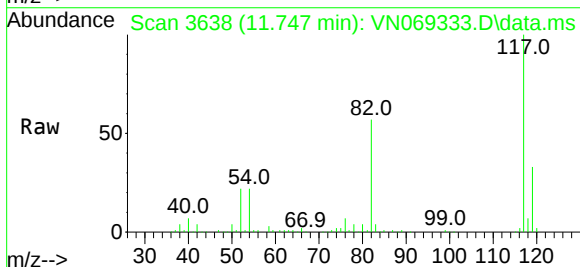
Tgt Ion: 117 Resp: 515513

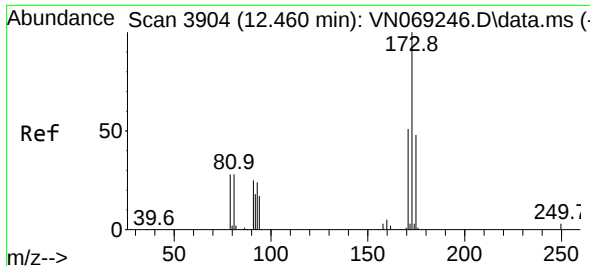
Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

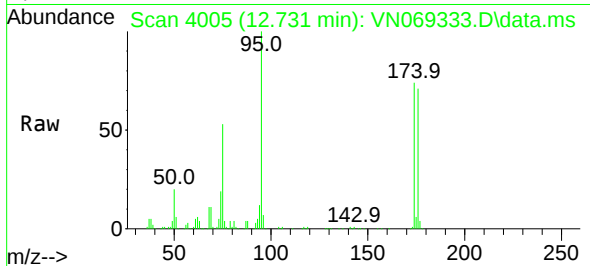
119 32.5 26.0 39.0



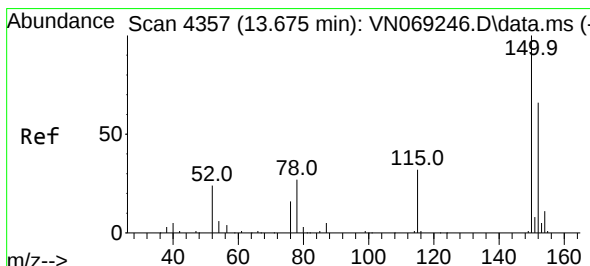
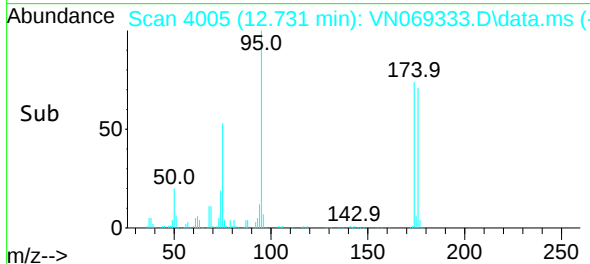
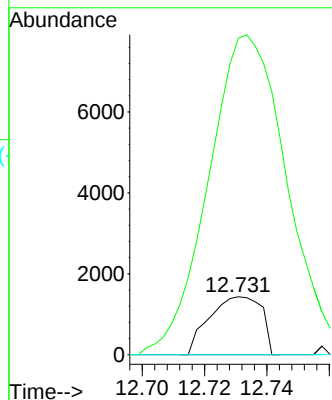


#71
Bromoform
Concen: 3.366 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Instrument :
MSVOA_N
ClientSampleId :

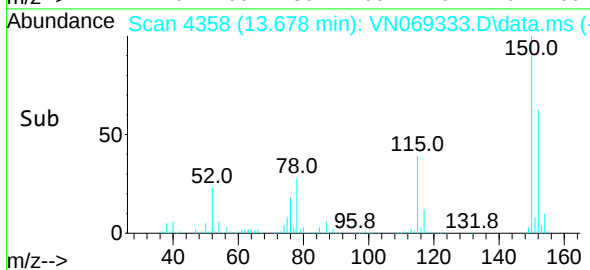
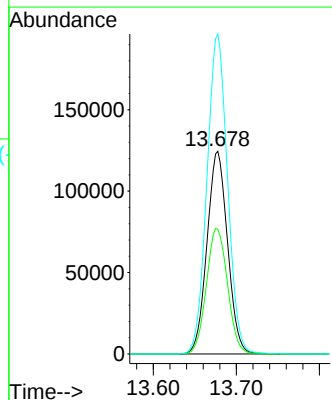
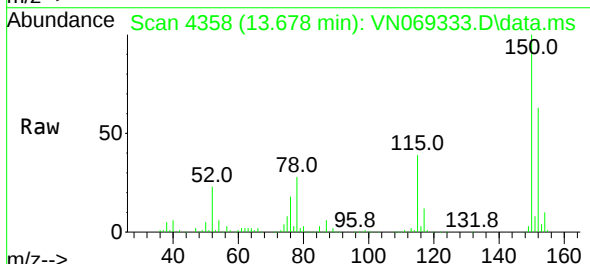


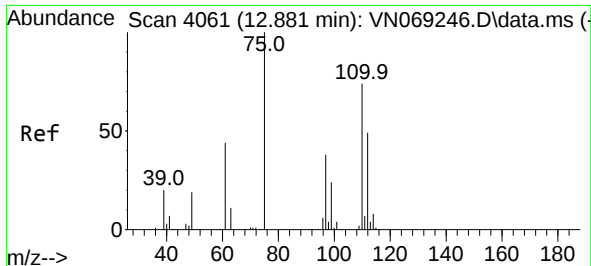
Tgt Ion:173 Resp: 1670
Ion Ratio Lower Upper
173 100
175 764.4 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion:152 Resp: 213965
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 157.8 0.0 351.0

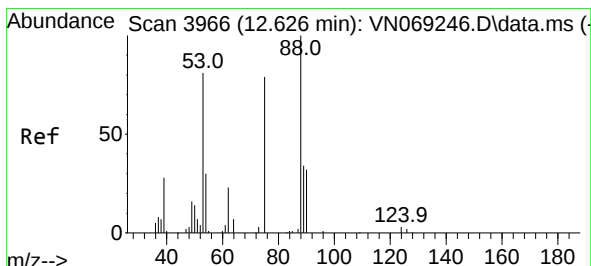
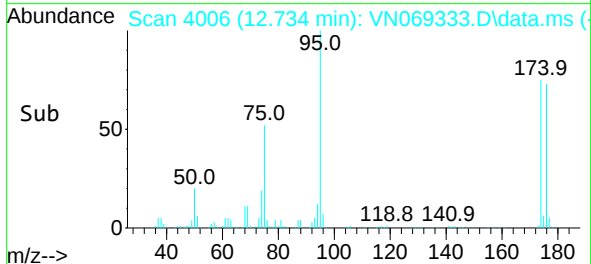
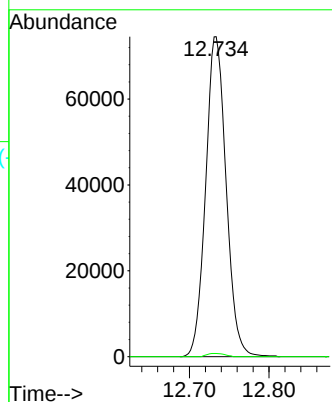
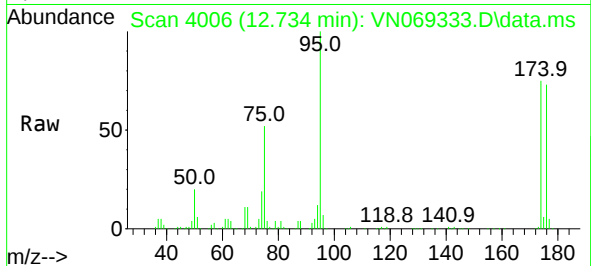




#76
1,2,3-Trichloropropane
Concen: 23.648 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

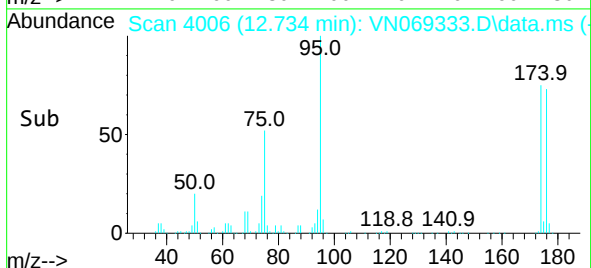
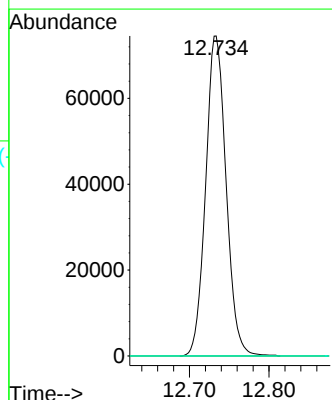
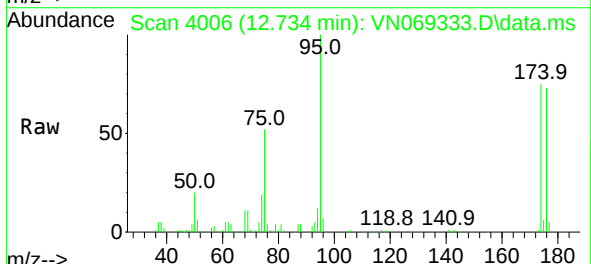
Instrument :
MSVOA_N
ClientSampleId :

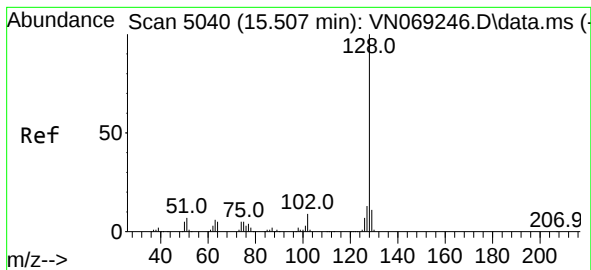
Tgt Ion: 75 Resp: 133081
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.962 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069333.D
Acq: 1 Nov 2021 20:49

Tgt Ion: 75 Resp: 133081
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 3.332 ug/l

RT: 15.512 min Scan# 50

Delta R.T. 0.005 min

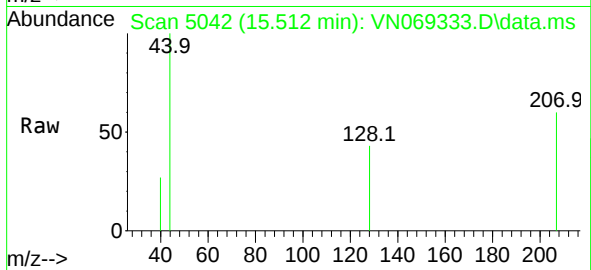
Lab File: VN069333.D

Acq: 1 Nov 2021 20:49

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 282

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.9 13.3#

