

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069311.D
 Acq On : 29 Oct 2021 19:30
 Operator : JC/MD
 Sample : M4394-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:46:07 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	307061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	549660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	533516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	201004	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	210796	47.556	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.120%
35) Dibromofluoromethane	8.027	113	157494	45.965	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.920%
50) Toluene-d8	10.443	98	683243	49.873	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.733	95	245607	47.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.020%

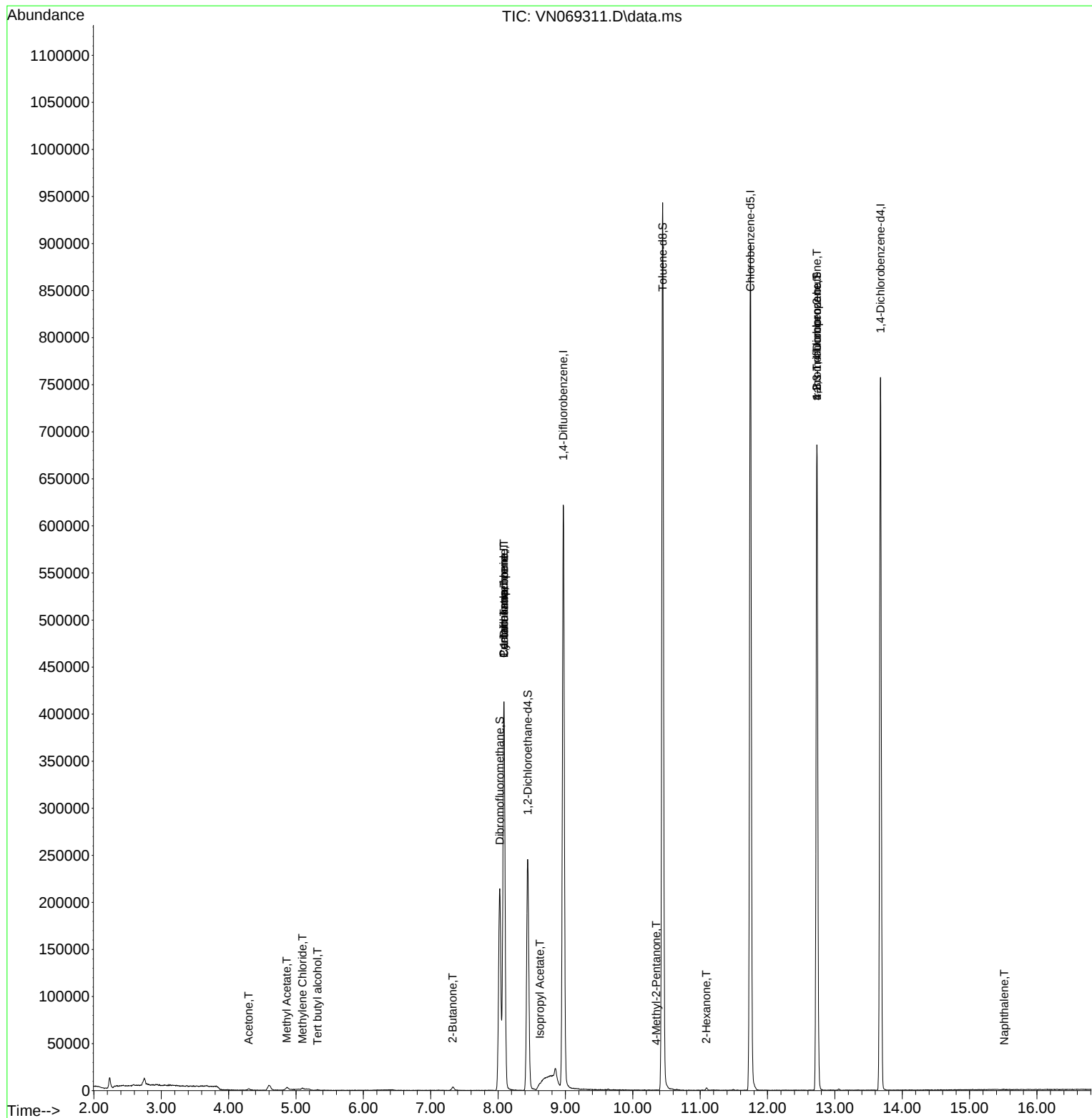
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.306	50	428	Below Cal	#	42
11) Tert butyl alcohol	5.318	59	249	13.681	ug/l #	72
16) Acetone	4.296	43	2320	1.228	ug/l	92
18) Methyl Acetate	4.865	43	5866	0.914	ug/l #	82
20) Methylene Chloride	5.095	84	936	0.258	ug/l #	88
25) 2-Butanone	7.327	43	77	1.661	ug/l #	48
31) Cyclohexane	8.086	56	7493	1.263	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	25640	5.411	ug/l #	49
38) Carbon Tetrachloride	8.086	117	32557	6.928	ug/l #	16
43) Isopropyl Acetate	8.619	43	5685	1.057	ug/l #	55
51) 4-Methyl-2-Pentanone	10.347	43	248	6.442	ug/l #	36
59) 2-Hexanone	11.092	43	896	8.185	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	130784	24.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	130784	70.901	ug/l #	12
95) Naphthalene	15.515	128	243	3.330	ug/l #	69

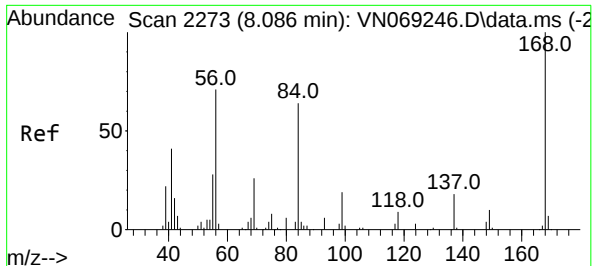
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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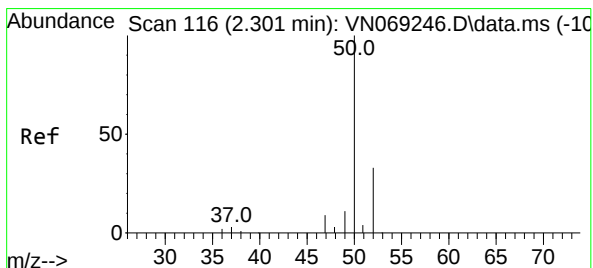
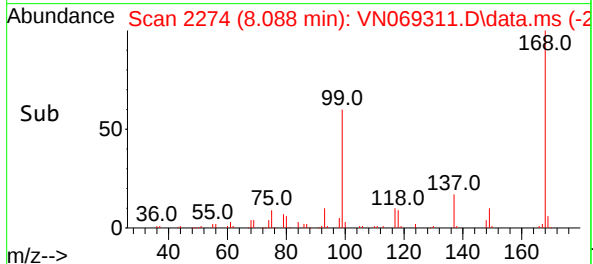
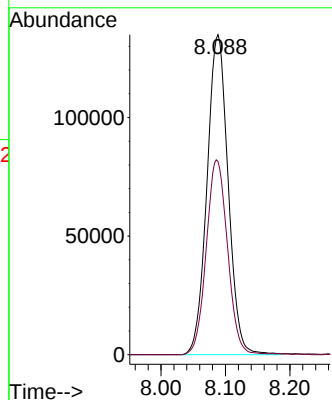
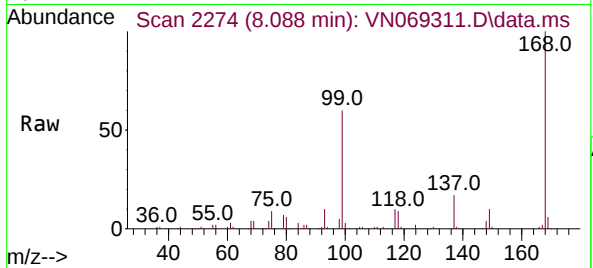




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

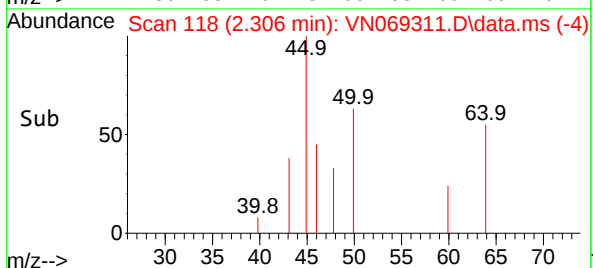
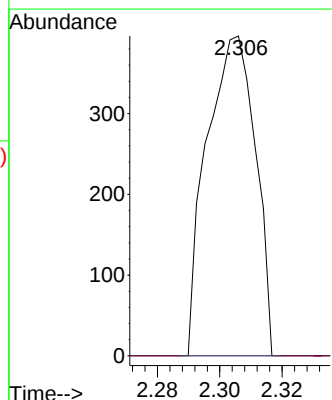
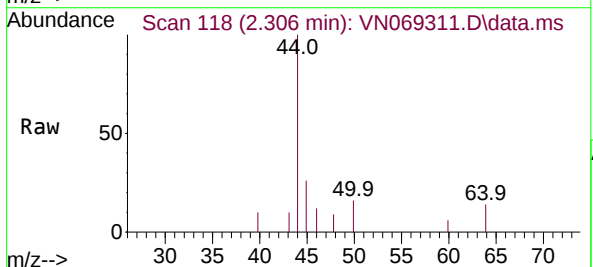
Instrument :
MSVOA_N
ClientSampleId :

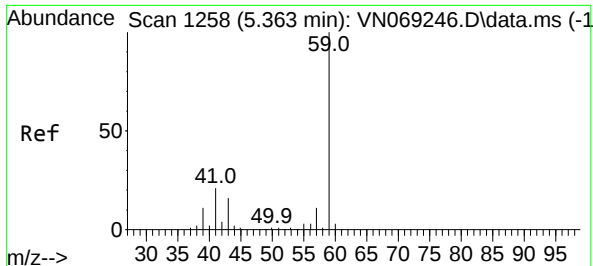
Tgt Ion:168 Resp: 307061
Ion Ratio Lower Upper
168 100
99 60.3 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#





#11

Tert butyl alcohol

Concen: 13.681 ug/l

RT: 5.318 min Scan# 11

Delta R.T. -0.045 min

Lab File: VN069311.D

Acq: 29 Oct 2021 19:30

Instrument :

MSVOA_N

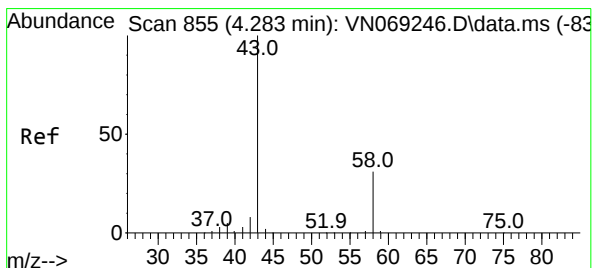
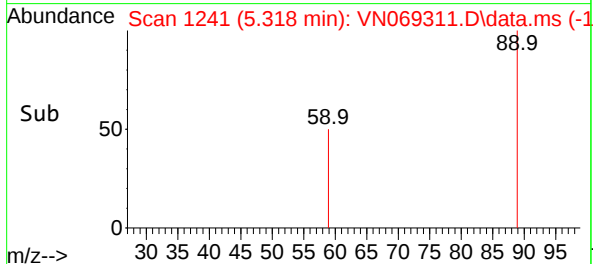
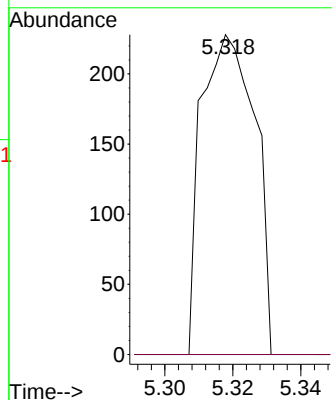
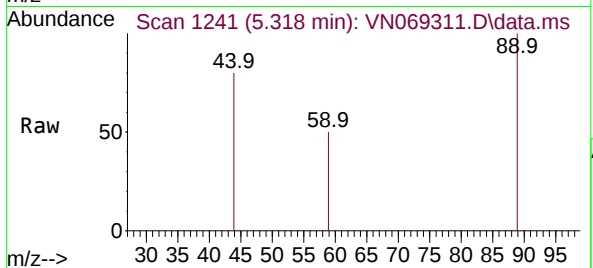
ClientSampleId :

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.228 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.013 min

Lab File: VN069311.D

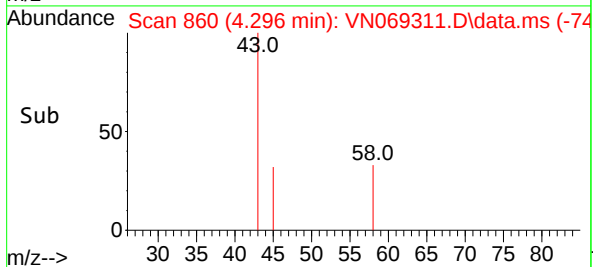
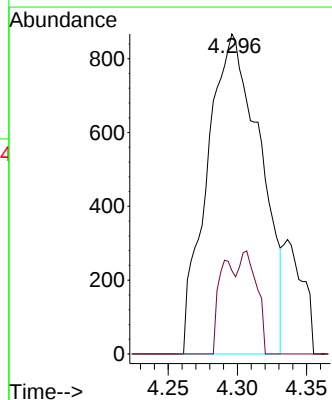
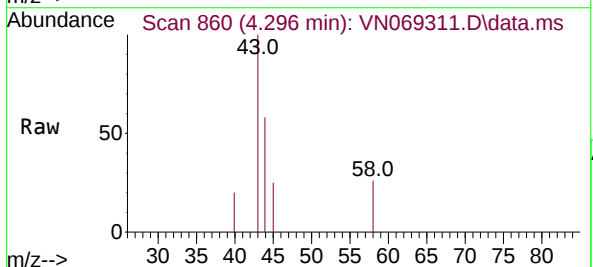
Acq: 29 Oct 2021 19:30

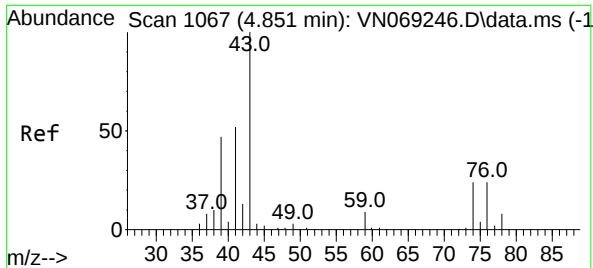
Tgt Ion: 43 Resp: 2320

Ion Ratio Lower Upper

43 100

58 26.1 24.5 36.7

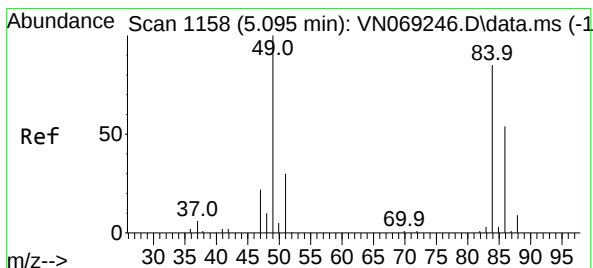
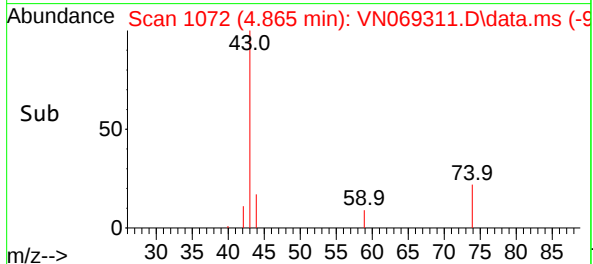
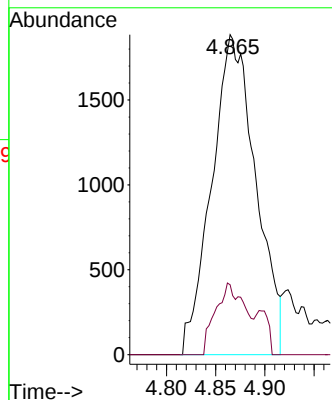
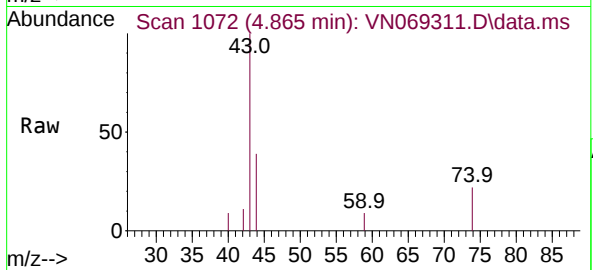




#18
Methyl Acetate
Concen: 0.914 ug/l
RT: 4.865 min Scan# 1107
Delta R.T. 0.014 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

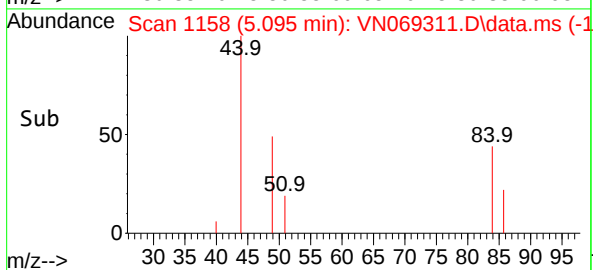
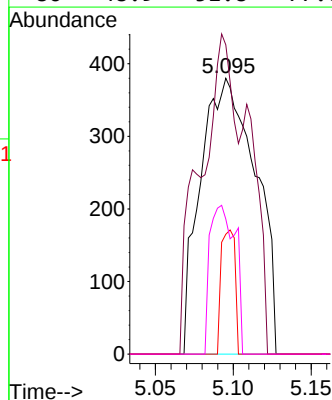
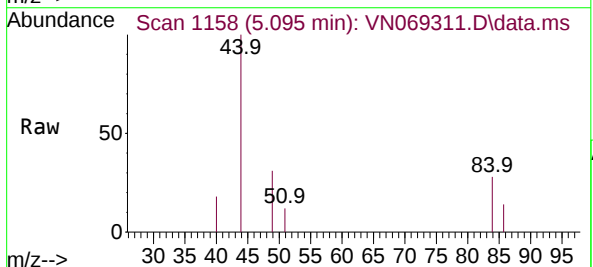
Instrument :
MSVOA_N
ClientSampleId :

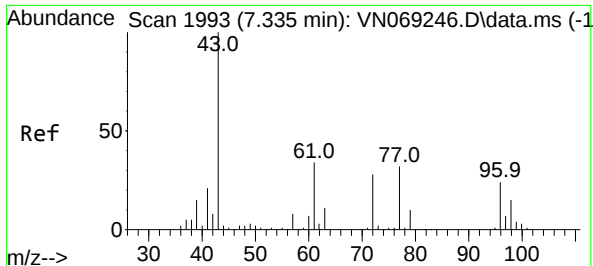
Tgt Ion: 43 Resp: 5866
Ion Ratio Lower Upper
43 100
74 14.9 18.9 28.3#



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion: 84 Resp: 936
Ion Ratio Lower Upper
84 100
49 112.1 97.6 146.4
51 43.4 30.3 45.5
86 48.9 51.8 77.6#





#25

2-Butanone

Concen: 1.661 ug/l

RT: 7.327 min Scan# 1993

Delta R.T. -0.008 min

Lab File: VN069311.D

Acq: 29 Oct 2021 19:30

Instrument :

MSVOA_N

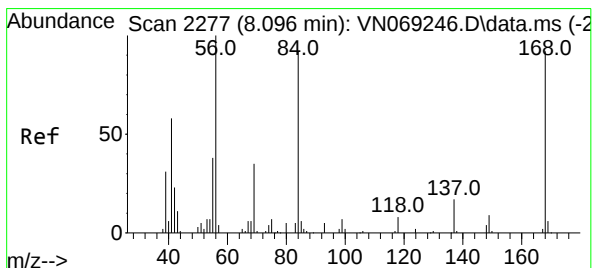
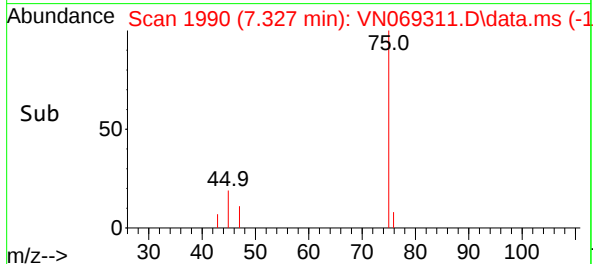
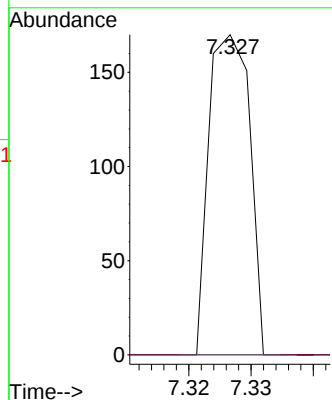
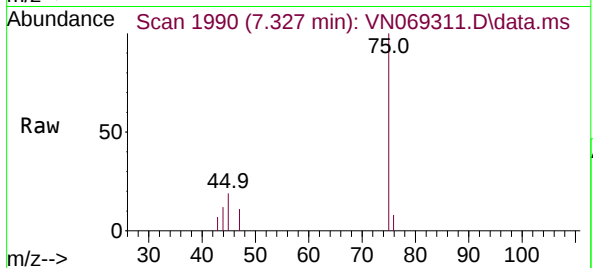
ClientSampleId :

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#31

Cyclohexane

Concen: 1.263 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN069311.D

Acq: 29 Oct 2021 19:30

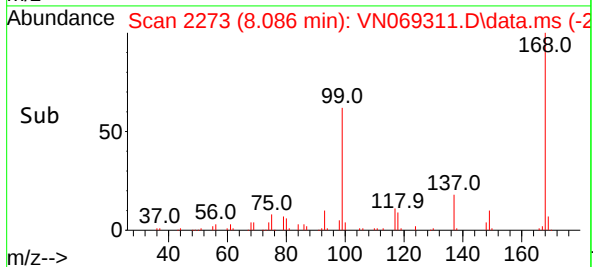
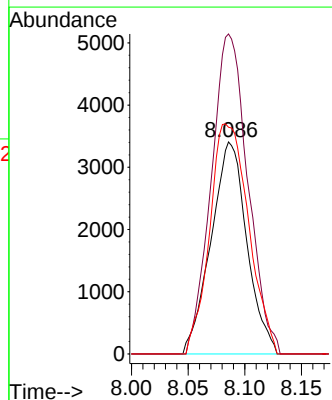
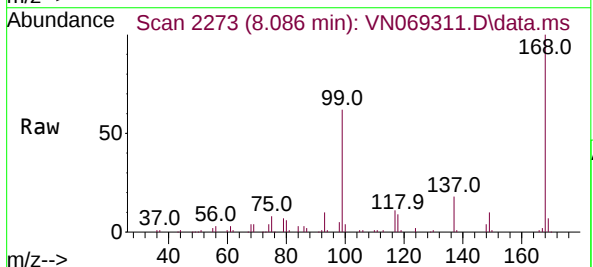
Tgt Ion: 56 Resp: 7493

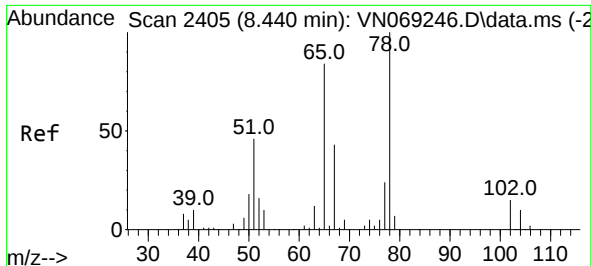
Ion Ratio Lower Upper

56 100

69 151.0 26.9 40.3#

84 107.0 67.6 101.4#

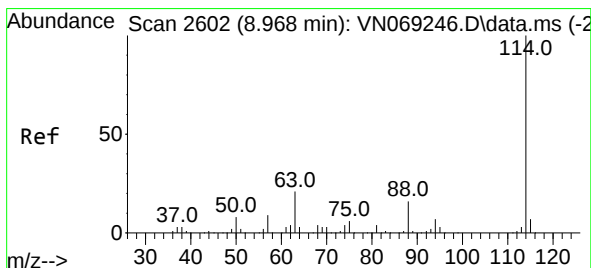
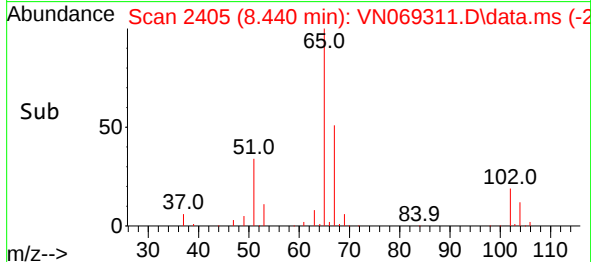
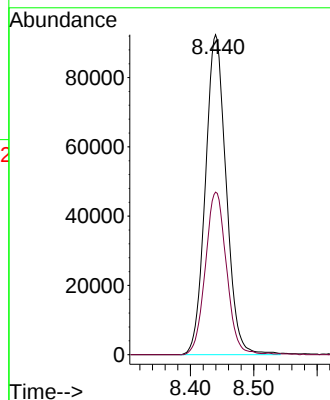
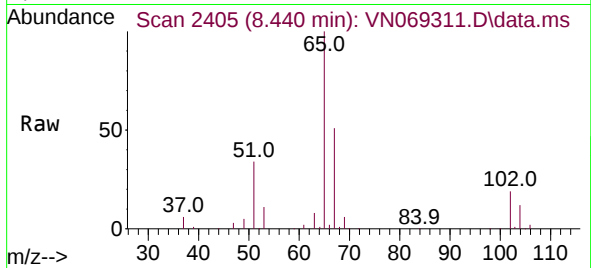




#33
 1,2-Dichloroethane-d4
 Concen: 47.556 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069311.D
 Acq: 29 Oct 2021 19:30

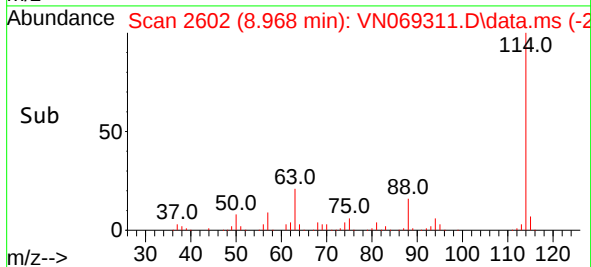
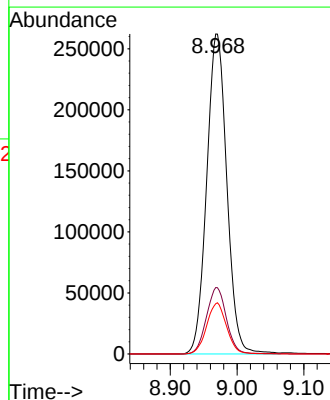
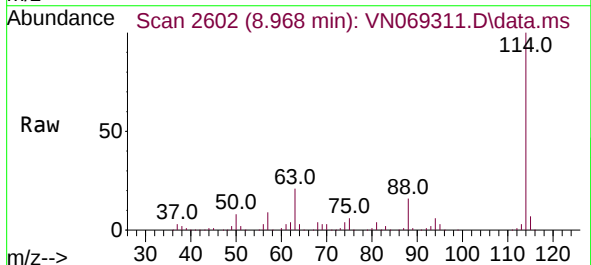
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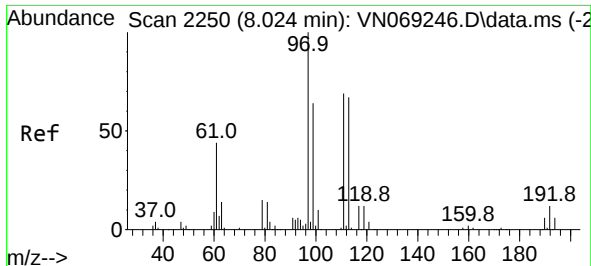
Tgt Ion: 65 Resp: 210796
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069311.D
 Acq: 29 Oct 2021 19:30

Tgt Ion: 114 Resp: 549660
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 45.965 ug/l

RT: 8.027 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN069311.D

Acq: 29 Oct 2021 19:30

Instrument :

MSVOA_N

ClientSampleId :

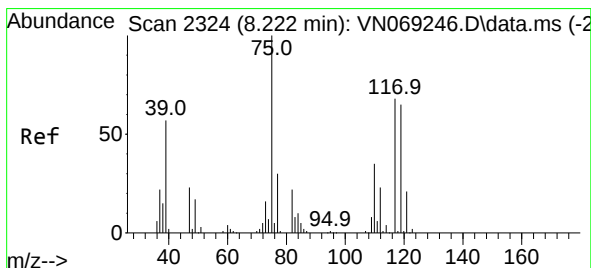
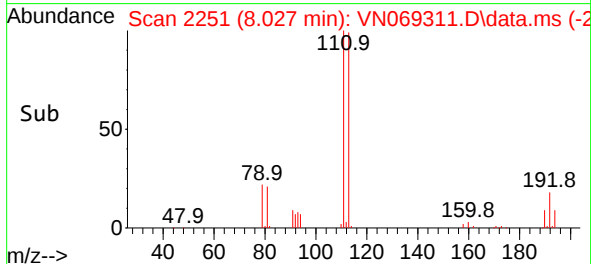
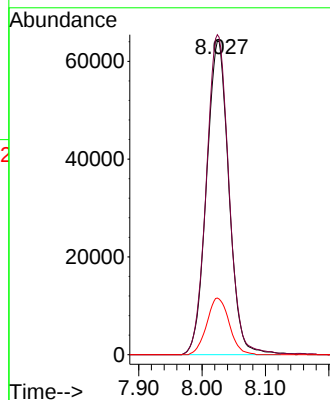
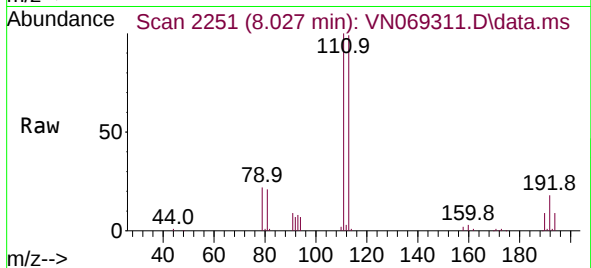
Tgt Ion:113 Resp: 157494

Ion Ratio Lower Upper

113 100

111 103.0 83.2 124.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.411 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069311.D

Acq: 29 Oct 2021 19:30

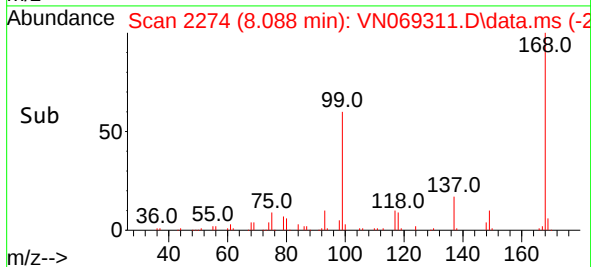
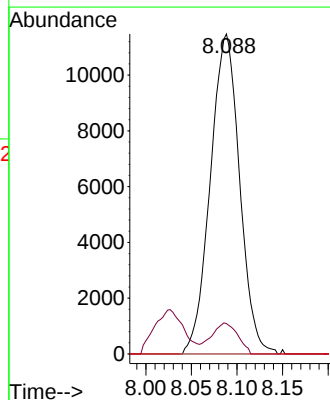
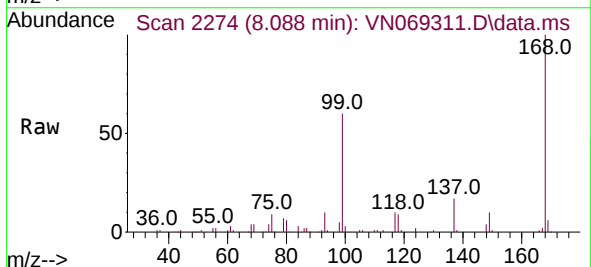
Tgt Ion: 75 Resp: 25640

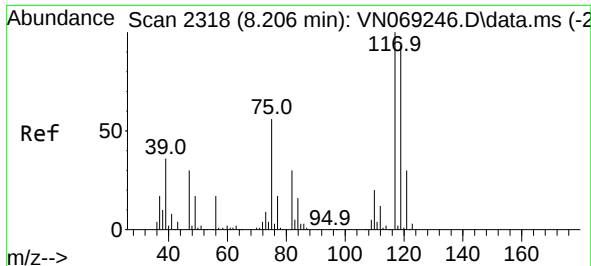
Ion Ratio Lower Upper

75 100

110 8.8 17.9 53.8#

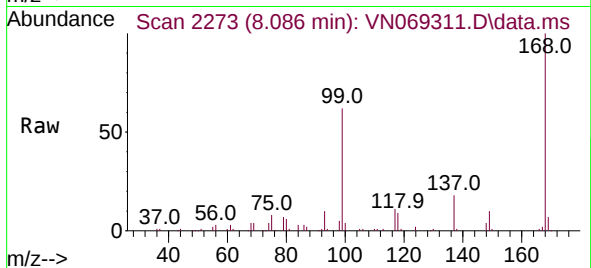
77 0.0 24.7 37.1#



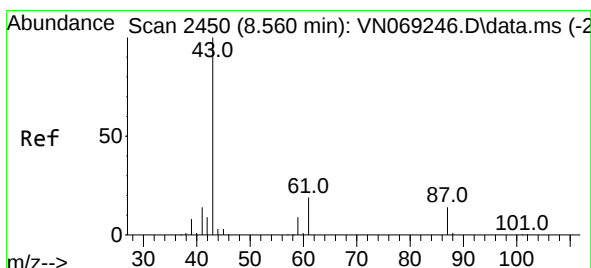
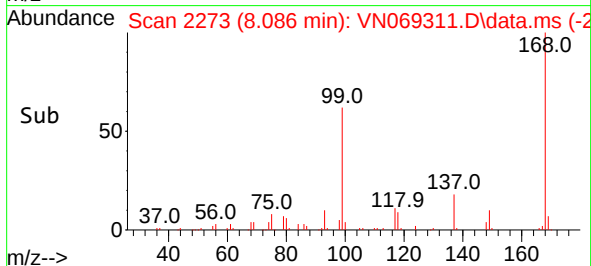
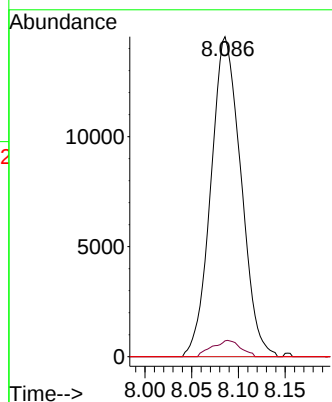


#38
Carbon Tetrachloride
Concen: 6.928 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Instrument :
MSVOA_N
ClientSampleId :

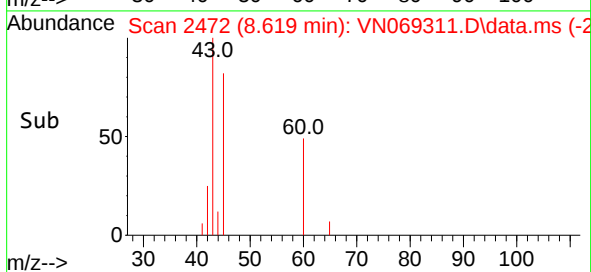
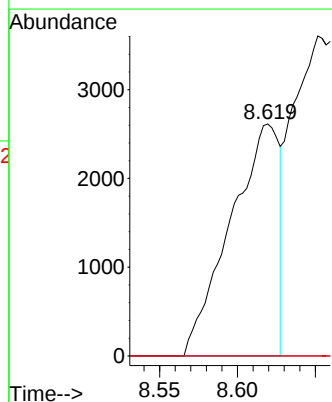
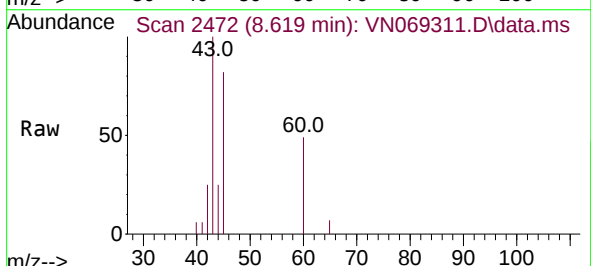


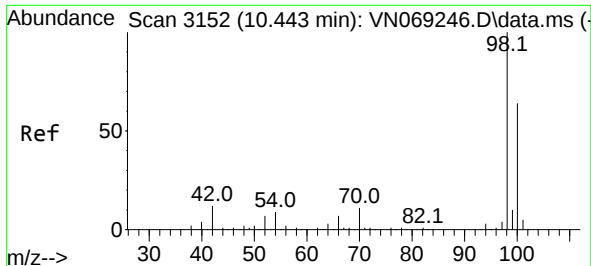
Tgt Ion:117 Resp: 32557
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.057 ug/l
RT: 8.619 min Scan# 2472
Delta R.T. 0.059 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion: 43 Resp: 5685
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

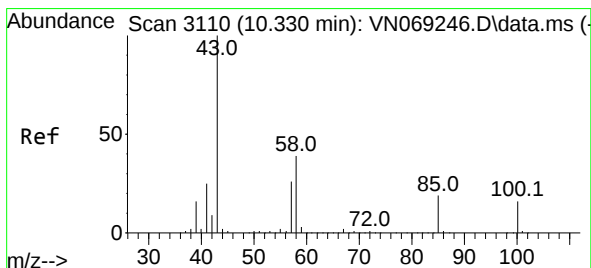
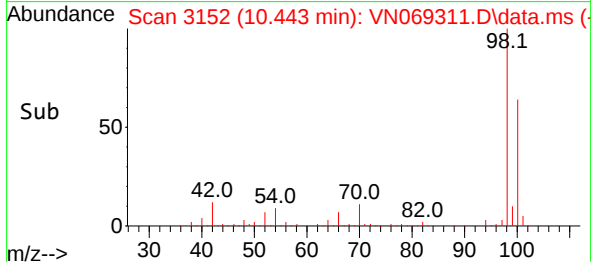
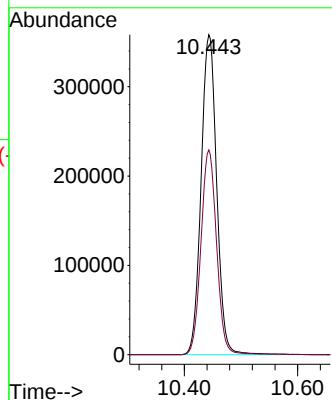
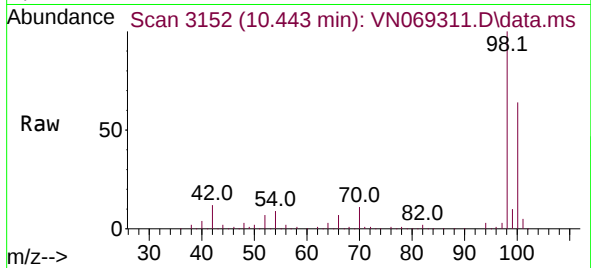




#50
Toluene-d8
Concen: 49.873 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

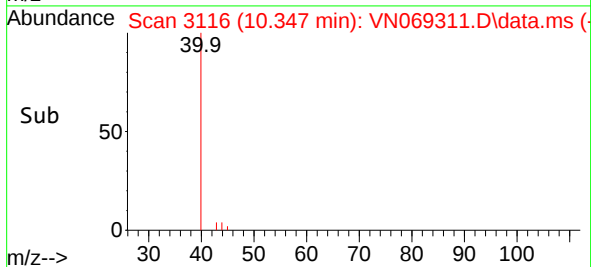
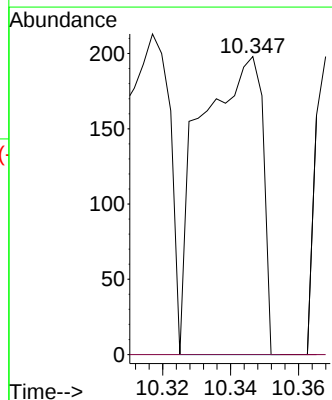
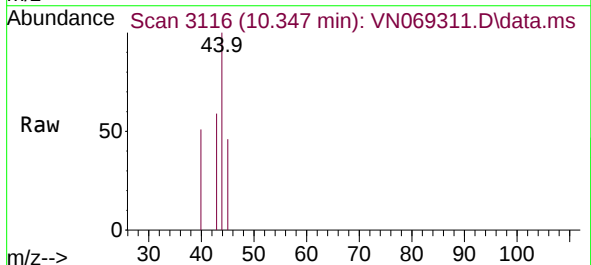
Instrument :
MSVOA_N
ClientSampleId :

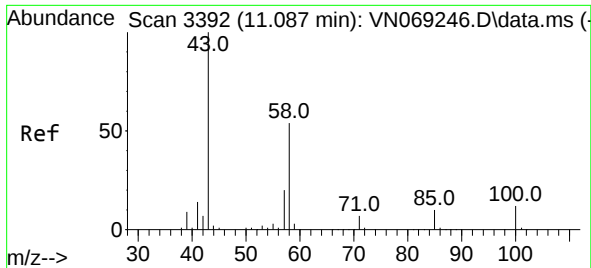
Tgt Ion: 98 Resp: 683243
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.442 ug/l
RT: 10.347 min Scan# 3116
Delta R.T. 0.017 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

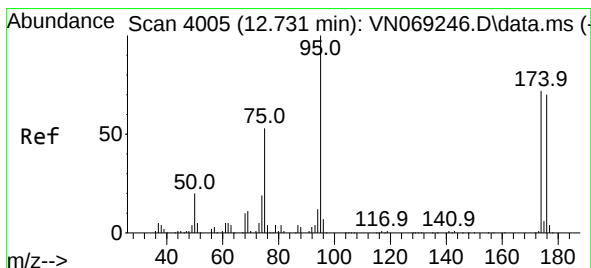
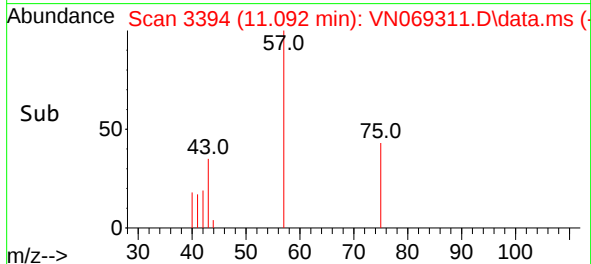
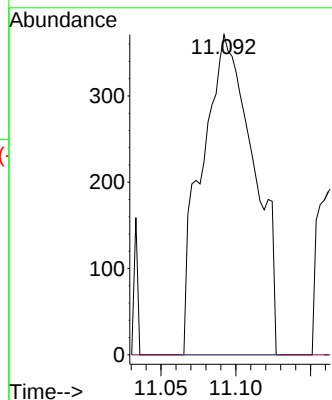
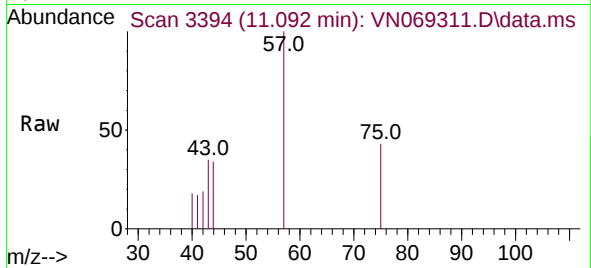




#59
2-Hexanone
Concen: 8.185 ug/l
RT: 11.092 min Scan# 311
Delta R.T. 0.005 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

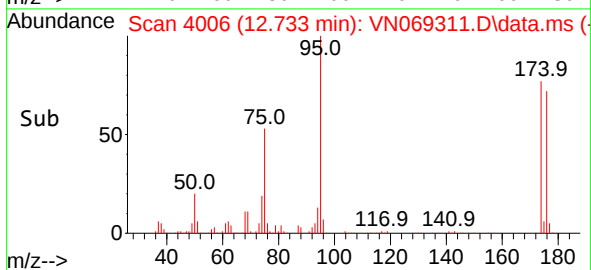
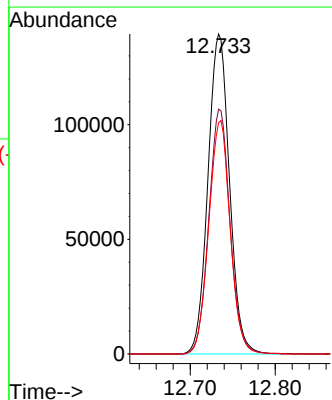
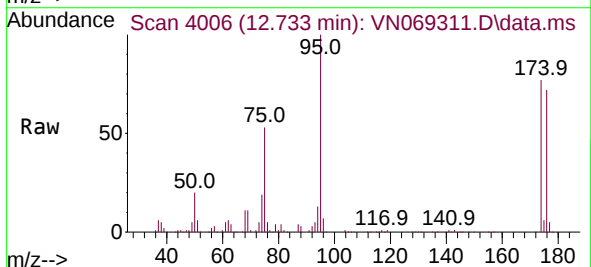
Instrument :
MSVOA_N
ClientSampleId :

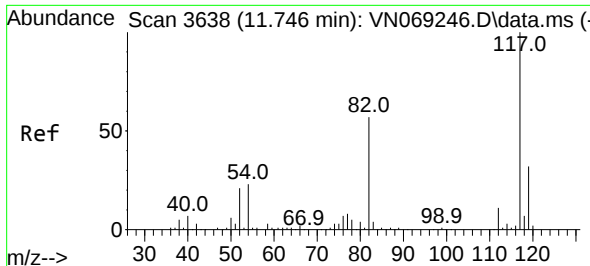
Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.509 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion: 95 Resp: 245607
Ion Ratio Lower Upper
95 100
174 75.7 0.0 144.8
176 72.4 0.0 140.0

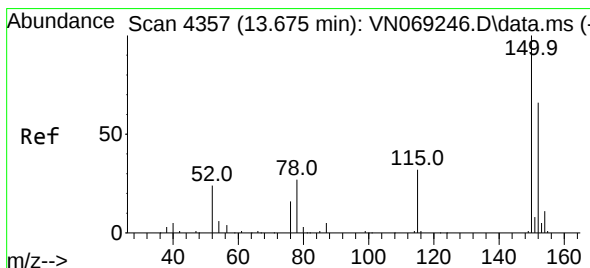
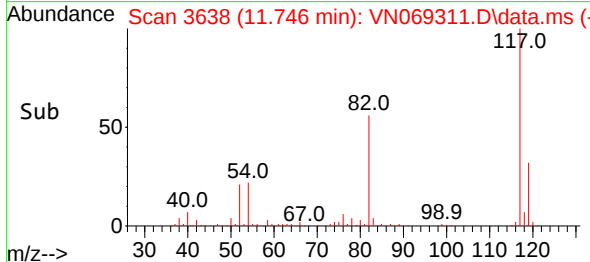
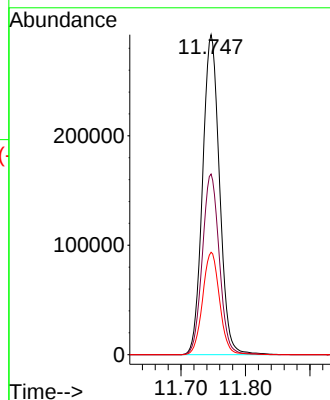
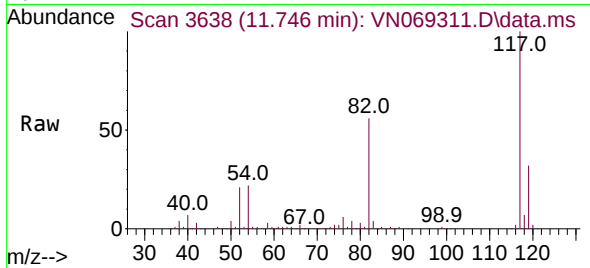




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

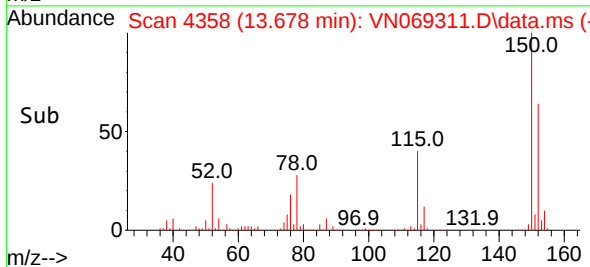
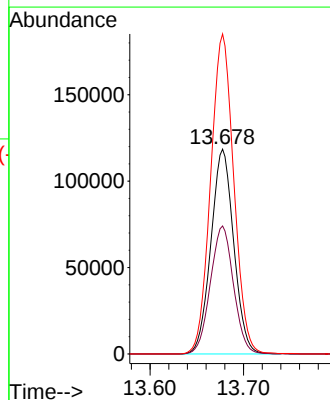
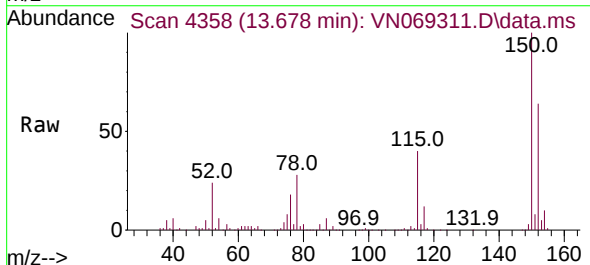
Instrument :
MSVOA_N
ClientSampleId :

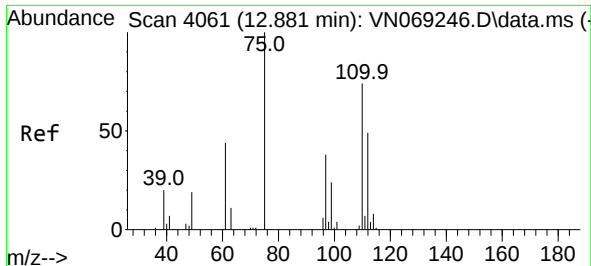
Tgt Ion:117 Resp: 533516
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Tgt Ion:152 Resp: 201004
Ion Ratio Lower Upper
152 100
115 63.3 31.4 94.3
150 158.2 0.0 351.0

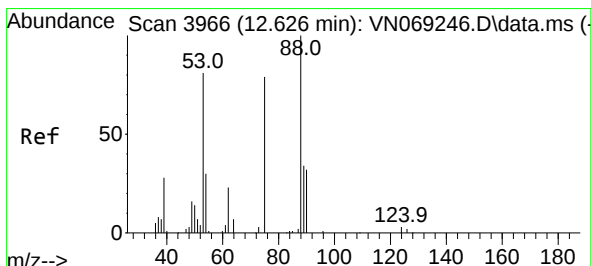
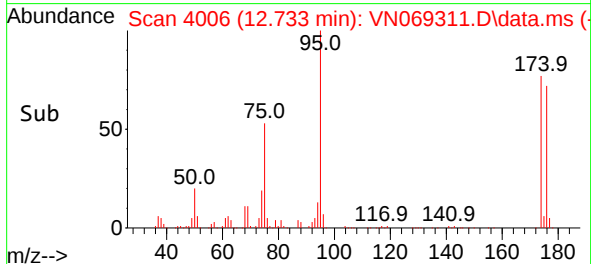
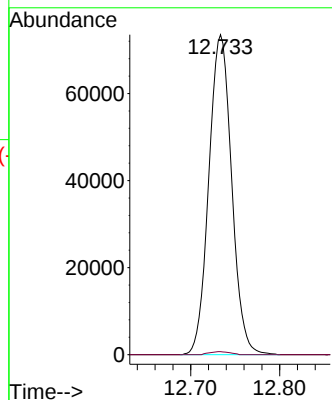
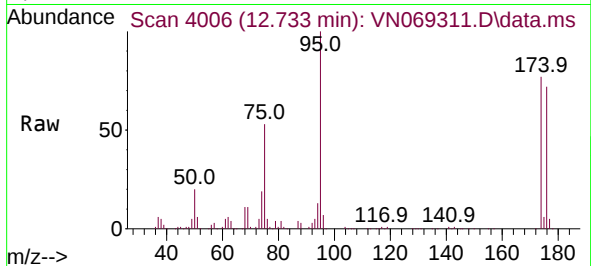




#76
1,2,3-Trichloropropane
Concen: 24.739 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

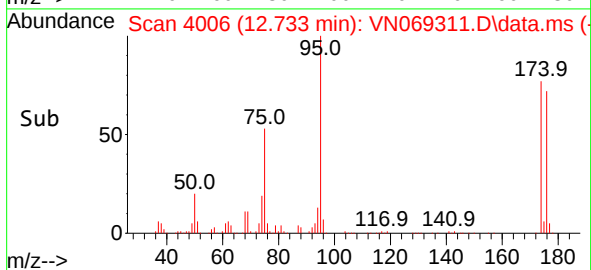
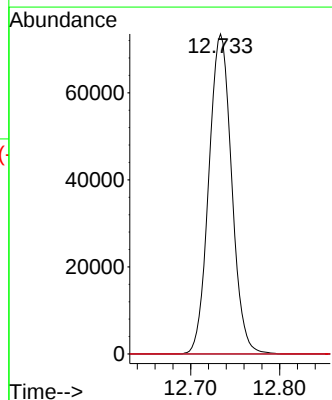
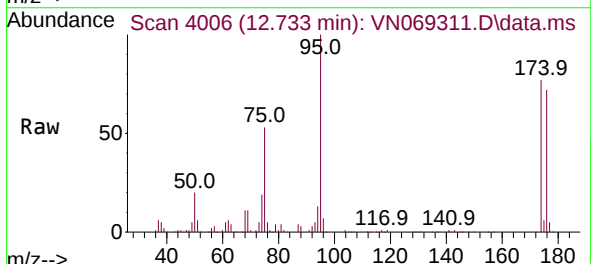
Instrument :
MSVOA_N
ClientSampleId :

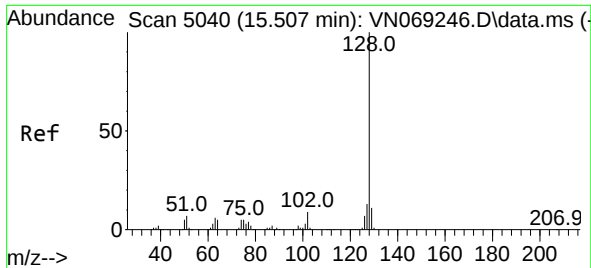
Tgt Ion: 75 Resp: 130784
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.901 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

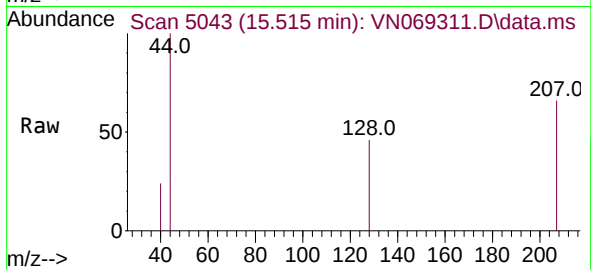
Tgt Ion: 75 Resp: 130784
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.330 ug/l
RT: 15.515 min Scan# 50
Delta R.T. 0.008 min
Lab File: VN069311.D
Acq: 29 Oct 2021 19:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 243
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

