

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062822\
 Data File : VN073211.D
 Acq On : 28 Jun 2022 21:02
 Operator : JC\MD
 Sample : N3494-30DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-2-GRDL

Quant Time: Jun 29 02:03:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

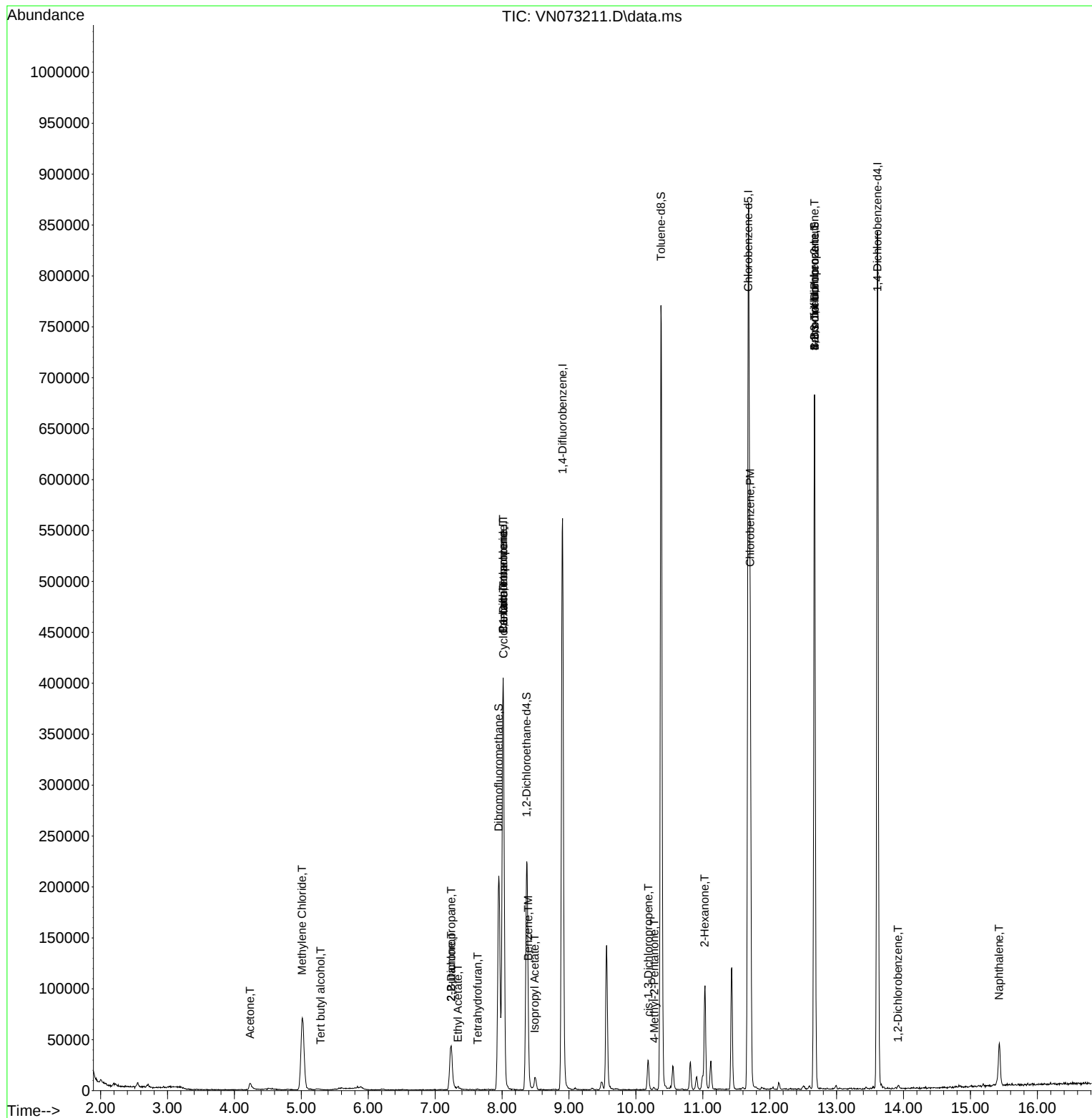
Internal Standards						
1) Pentafluorobenzene	8.016	168	304853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	504278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	473903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	223509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191521	43.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.040%		
35) Dibromofluoromethane	7.951	113	159917	47.665	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.320%		
50) Toluene-d8	10.374	98	535174	44.912	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.820%		
62) 4-Bromofluorobenzene	12.668	95	235483	51.424	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	673	0.631	ug/l #	72
16) Acetone	4.234	43	12407	5.022	ug/l #	86
20) Methylene Chloride	5.010	84	58648	13.509	ug/l	92
25) 2-Butanone	7.239	43	1887	0.480	ug/l #	88
26) 2,2-Dichloropropane	7.239	77	2918	0.432	ug/l #	53
29) Tetrahydrofuran	7.633	42	695	0.258	ug/l #	44
31) Cyclohexane	8.022	56	7261	1.007	ug/l #	27
36) 1,1-Dichloropropene	8.016	75	25926	5.022	ug/l #	48
37) Ethyl Acetate	7.339	43	4252	0.545	ug/l #	90
38) Carbon Tetrachloride	8.016	117	30668	5.745	ug/l #	18
40) Benzene	8.392	78	5844	0.367	ug/l	92
43) Isopropyl Acetate	8.486	43	14098	1.258	ug/l #	90
51) 4-Methyl-2-Pentanone	10.274	43	2507	0.353	ug/l #	58
54) cis-1,3-Dichloropropene	10.186	75	5038	0.794	ug/l #	68
59) 2-Hexanone	11.027	43	17315	3.195	ug/l #	49
65) Chlorobenzene	11.710	112	228018	21.274	ug/l	98
71) Bromoform	12.668	173	1528	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	122213	20.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	122213	57.349	ug/l #	10
91) 1,2-Dichlorobenzene	13.915	146	1700	0.207	ug/l	93
95) Naphthalene	15.427	128	45423	2.637	ug/l	99

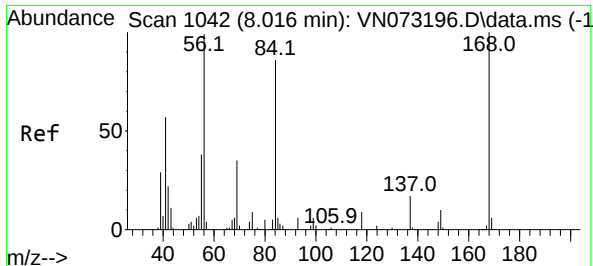
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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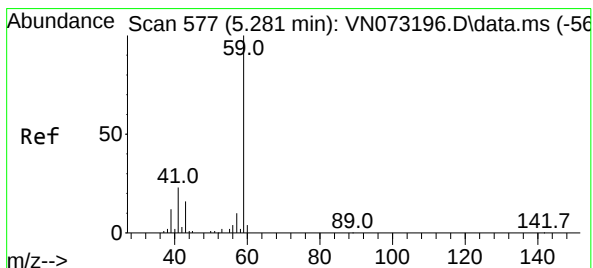
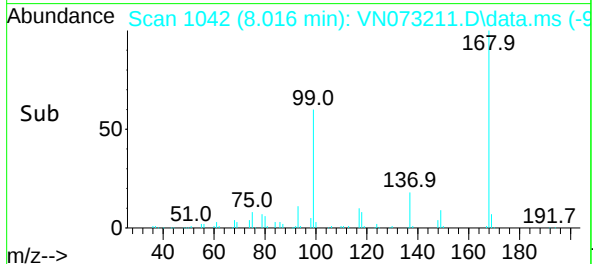
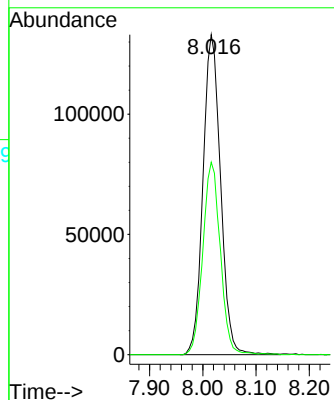
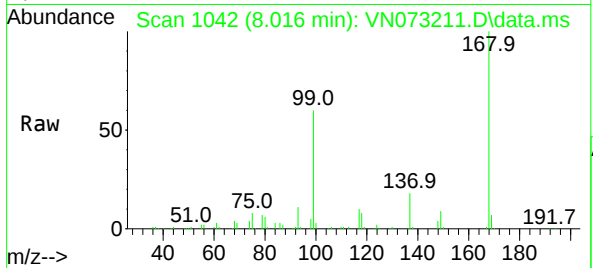




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

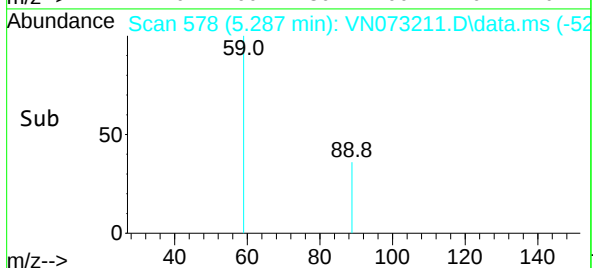
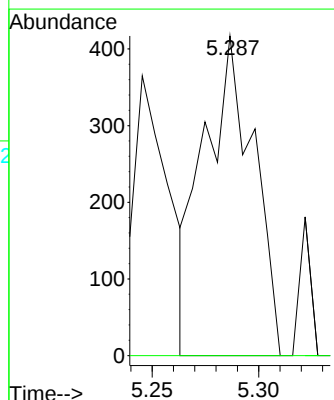
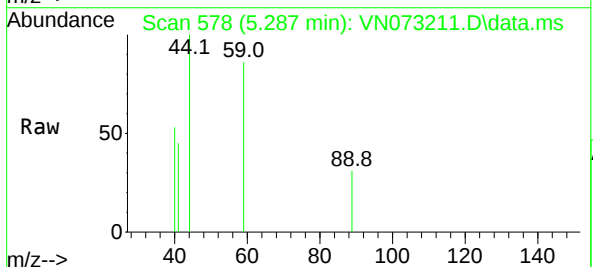
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

Tgt Ion:168 Resp: 304853
Ion Ratio Lower Upper
168 100
99 60.2 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.631 ug/l
RT: 5.287 min Scan# 578
Delta R.T. 0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 59 Resp: 673
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

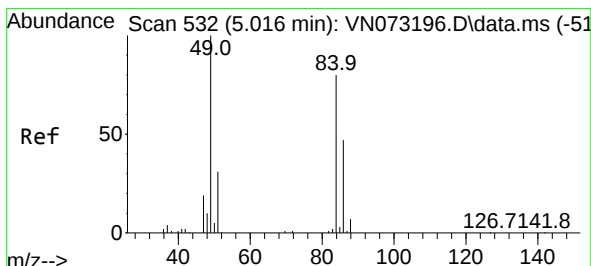
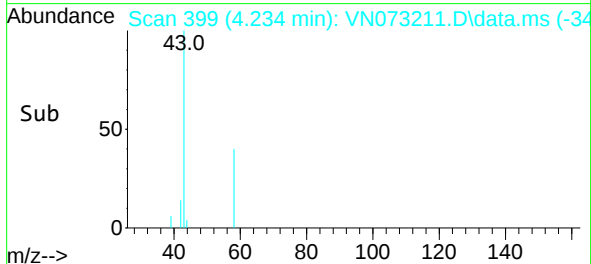
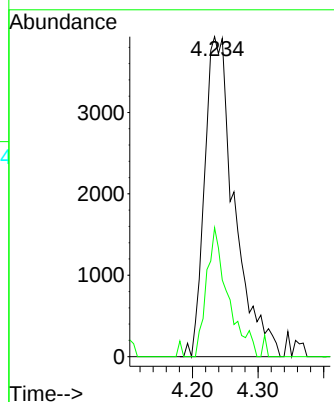
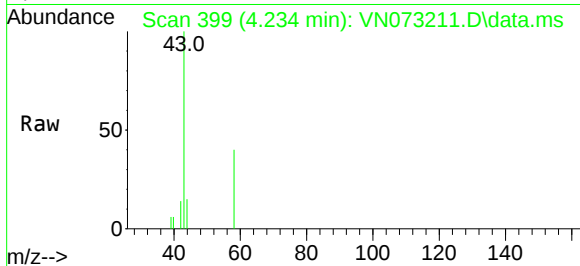




#16
Acetone
Concen: 5.022 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

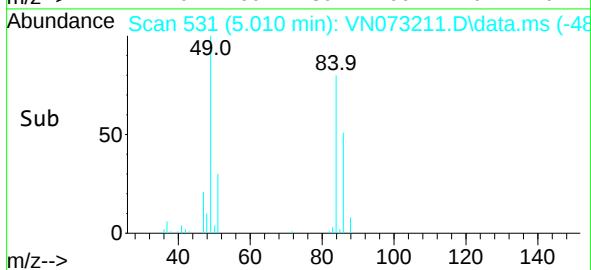
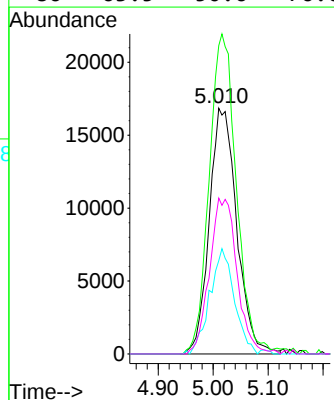
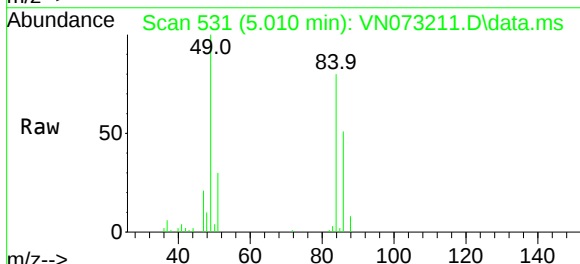
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

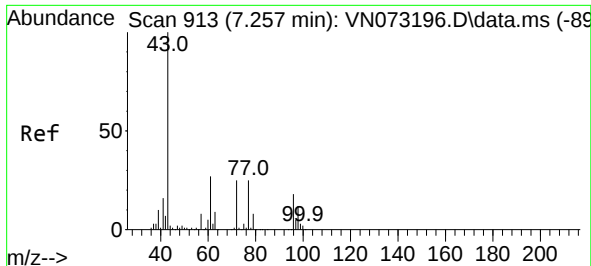
Tgt Ion: 43 Resp: 12407
Ion Ratio Lower Upper
43 100
58 40.3 26.0 39.0#



#20
Methylene Chloride
Concen: 13.509 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 84 Resp: 58648
Ion Ratio Lower Upper
84 100
49 125.5 88.3 132.5
51 37.9 28.2 42.2
86 63.5 50.6 76.0

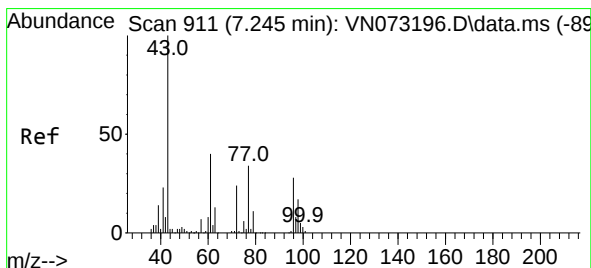
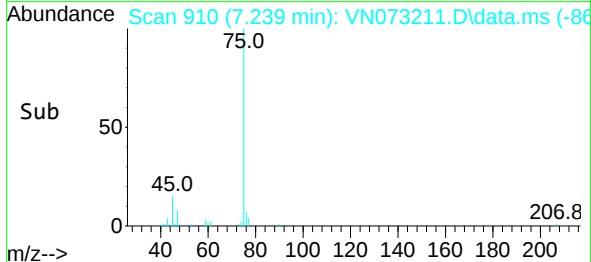
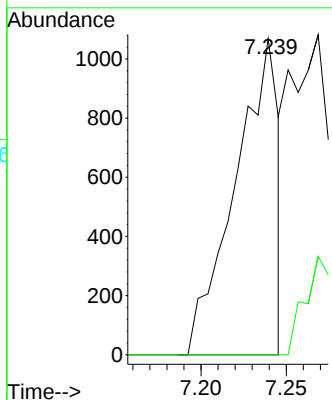
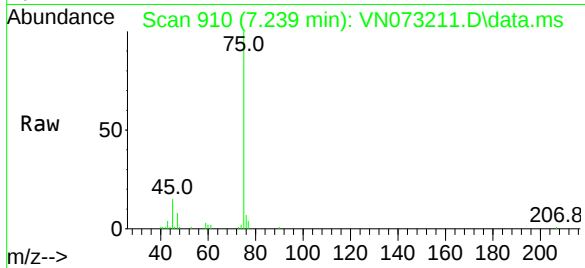




#25
2-Butanone
Concen: 0.480 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

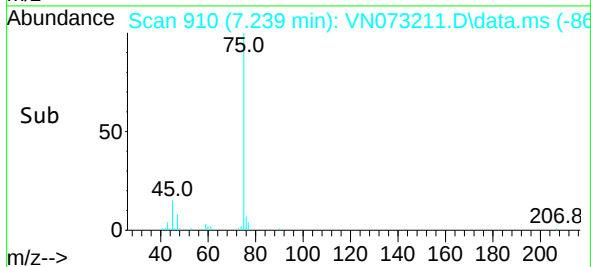
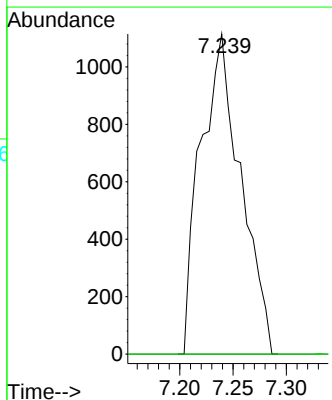
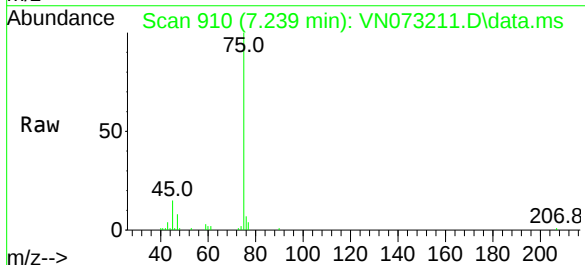
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

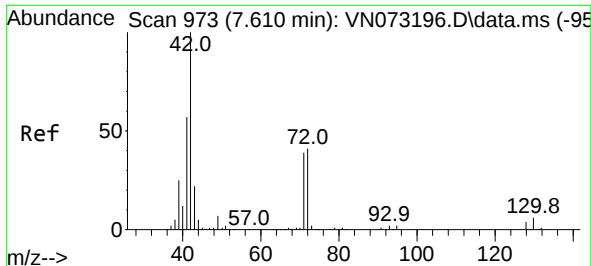
Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
72 23.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.432 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 77 Resp: 2918
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073211.D

Acq: 28 Jun 2022 21:02

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-2-GRDL

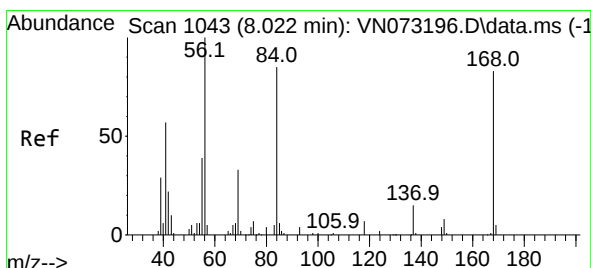
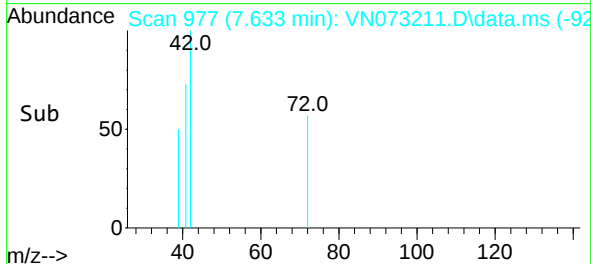
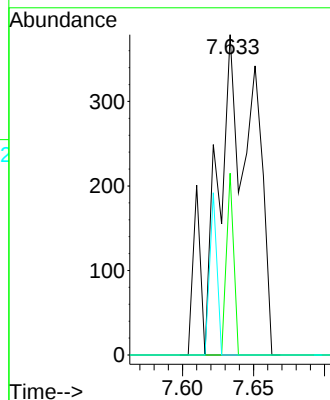
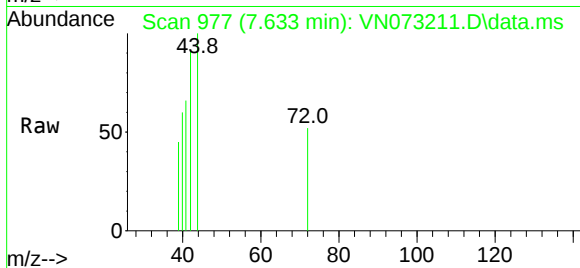
Tgt Ion: 42 Resp: 695

Ion Ratio Lower Upper

42 100

72 10.9 39.7 59.5#

71 9.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073211.D

Acq: 28 Jun 2022 21:02

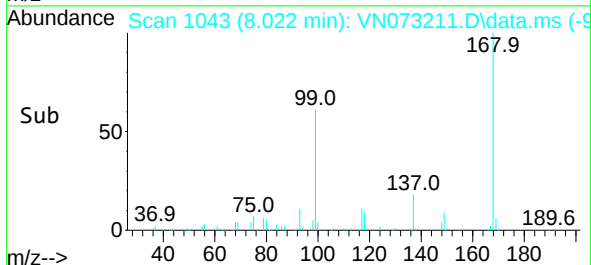
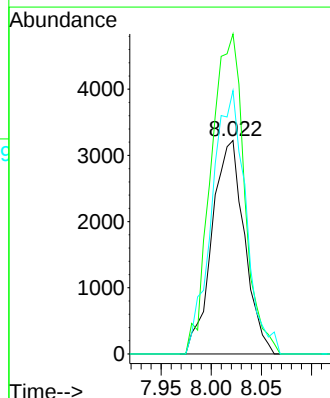
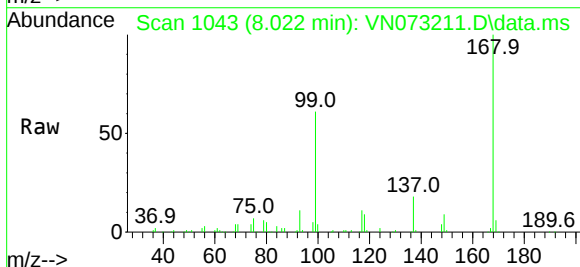
Tgt Ion: 56 Resp: 7261

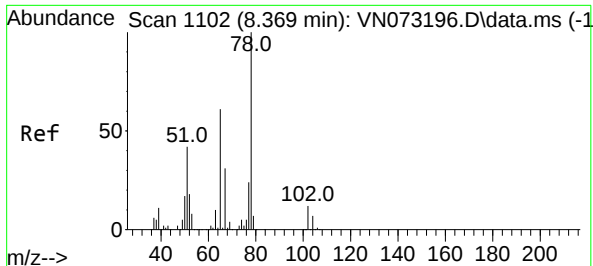
Ion Ratio Lower Upper

56 100

69 149.9 27.8 41.8#

84 123.4 76.9 115.3#

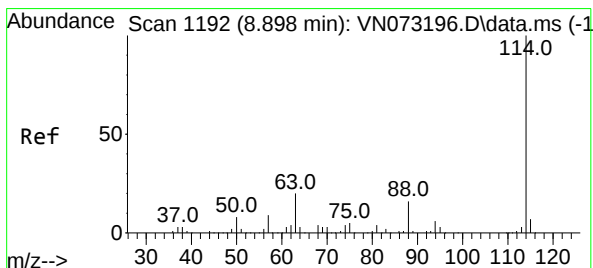
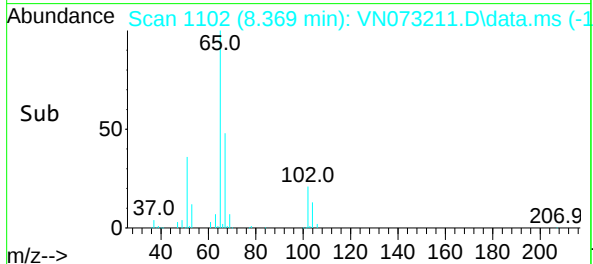
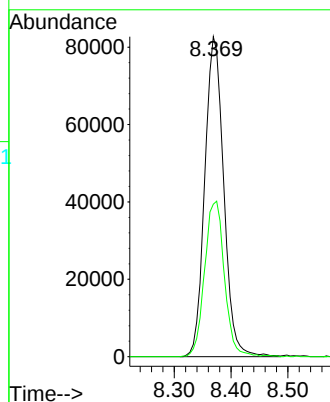
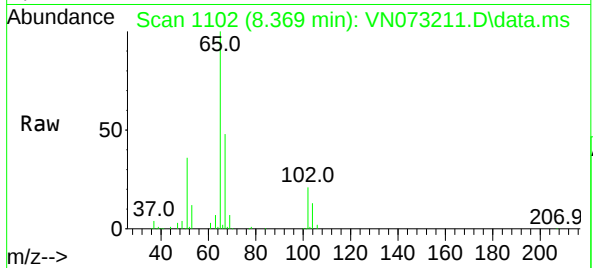




#33
 1,2-Dichloroethane-d4
 Concen: 43.519 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073211.D
 Acq: 28 Jun 2022 21:02

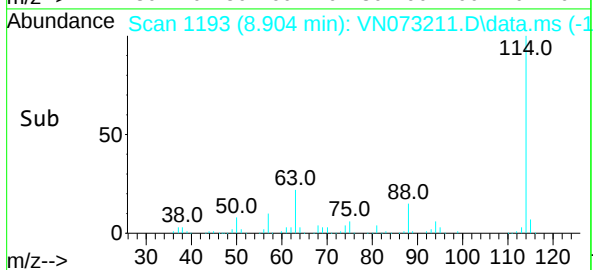
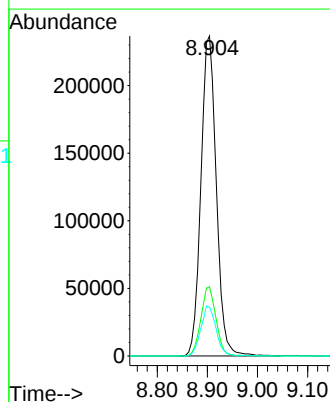
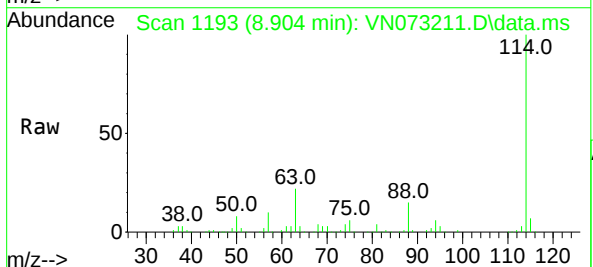
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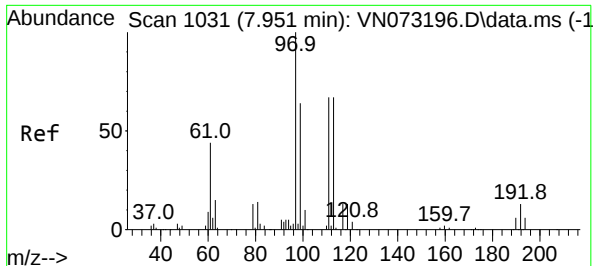
Tgt Ion: 65 Resp: 191521
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073211.D
 Acq: 28 Jun 2022 21:02

Tgt Ion: 114 Resp: 504278
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.0
 88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.665 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073211.D

Acq: 28 Jun 2022 21:02

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-2-GRDL

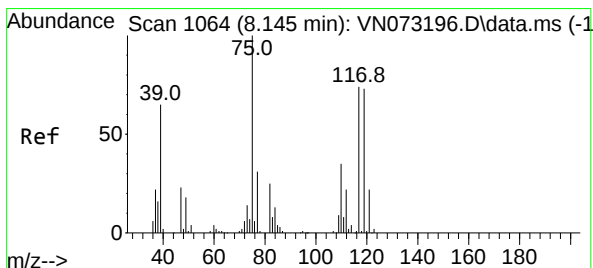
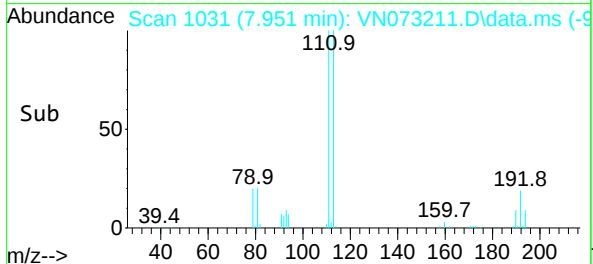
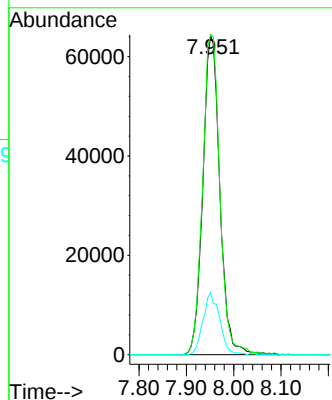
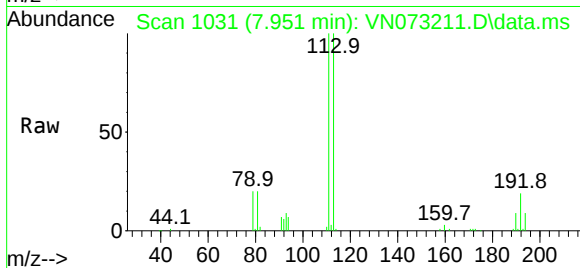
Tgt Ion:113 Resp: 159917

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073211.D

Acq: 28 Jun 2022 21:02

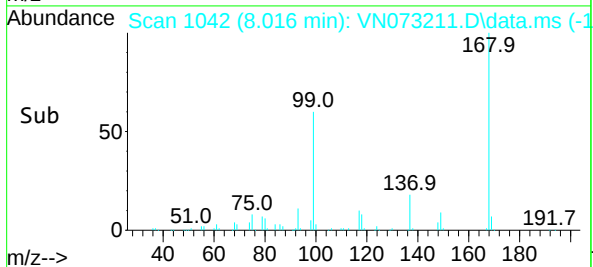
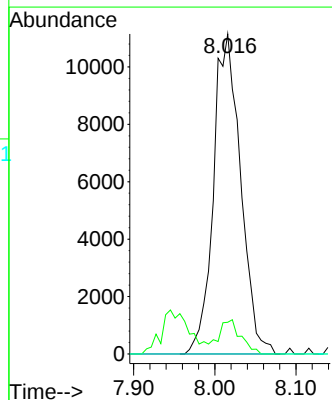
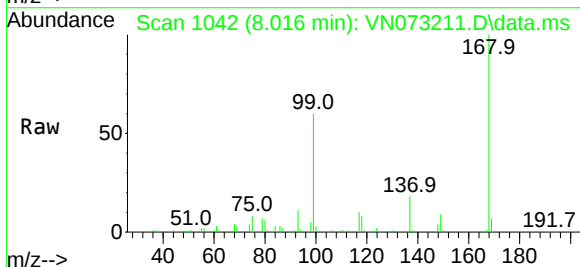
Tgt Ion: 75 Resp: 25926

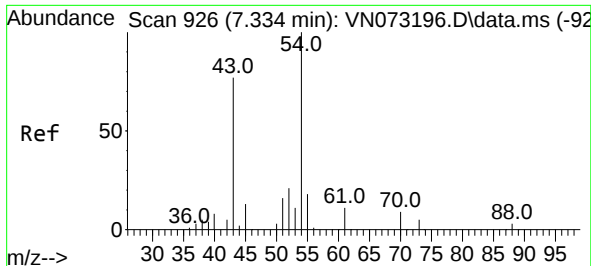
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#

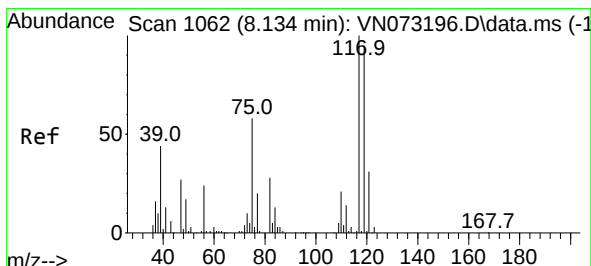
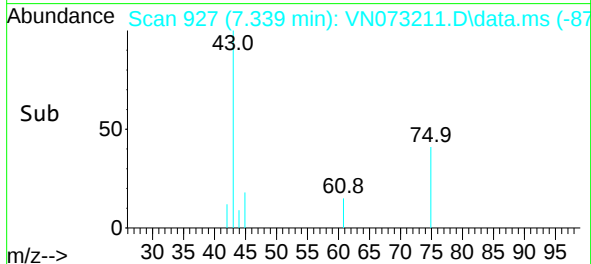
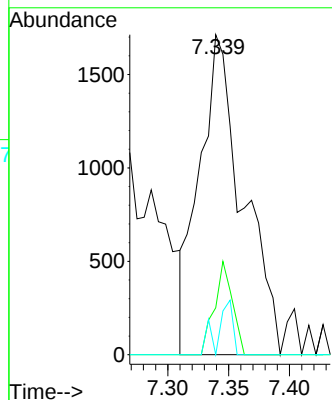
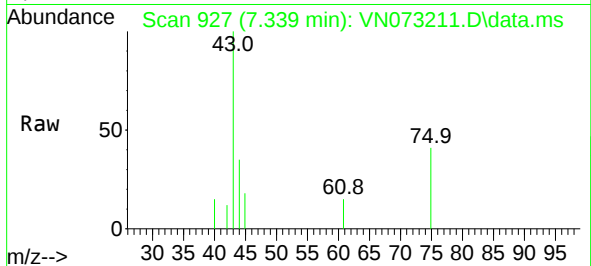




#37
Ethyl Acetate
Concen: 0.545 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

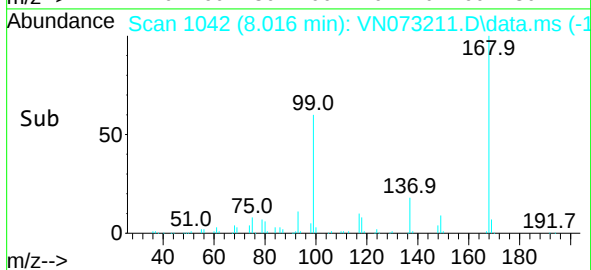
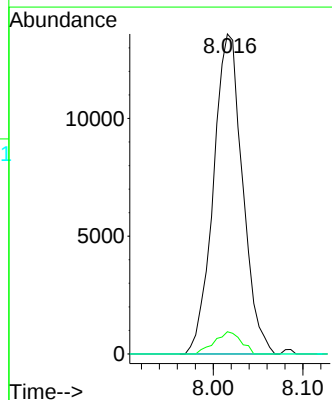
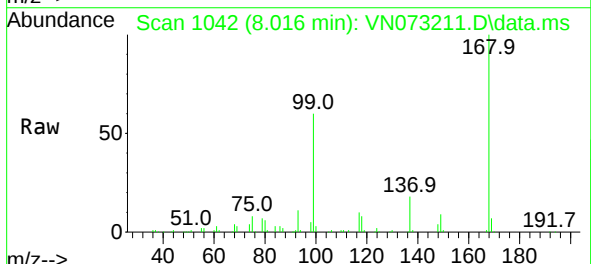
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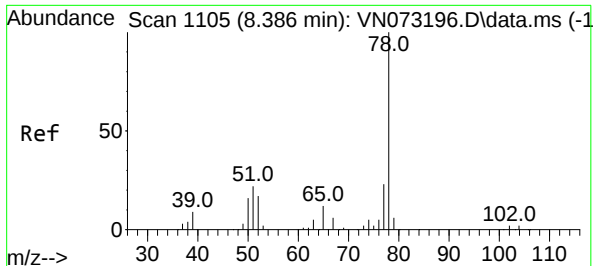
Tgt Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
61 12.0 11.8 17.6
70 6.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.745 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 117 Resp: 30668
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#

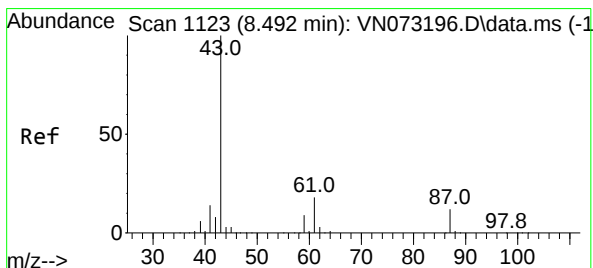
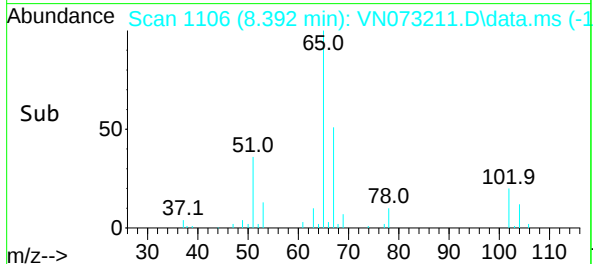
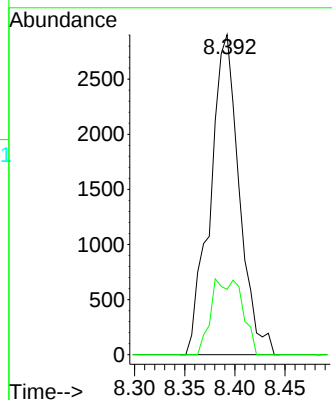
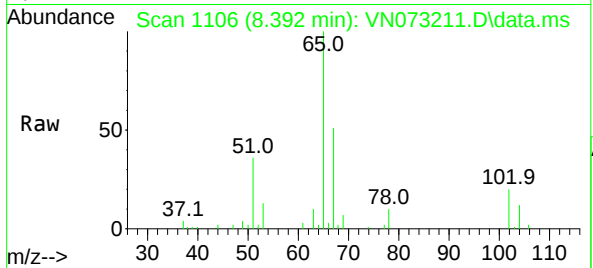




#40
Benzene
Concen: 0.367 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

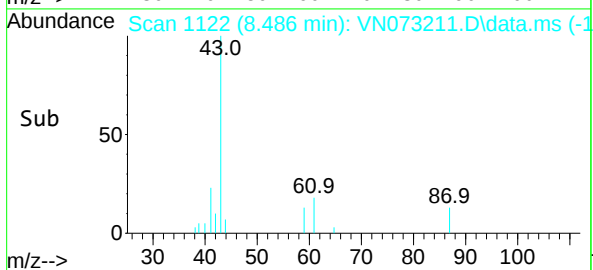
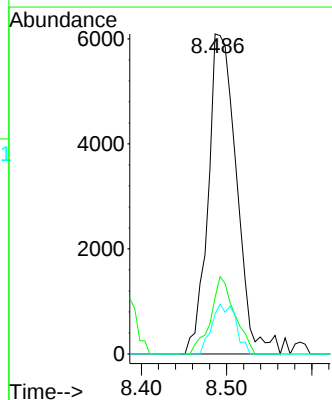
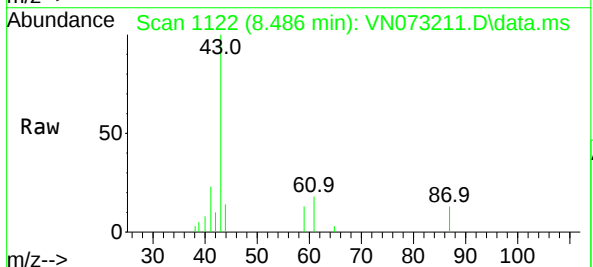
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

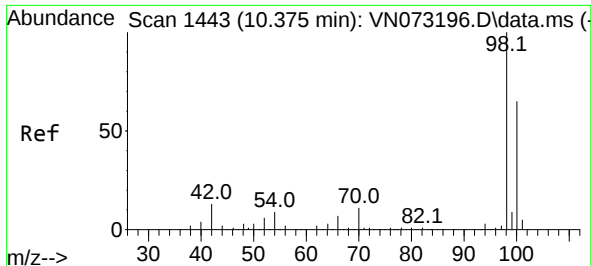
Tgt Ion: 78 Resp: 5844
Ion Ratio Lower Upper
78 100
77 20.4 19.4 29.0



#43
Isopropyl Acetate
Concen: 1.258 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. -0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 43 Resp: 14098
Ion Ratio Lower Upper
43 100
61 20.4 21.9 32.9#
87 13.2 12.0 18.0

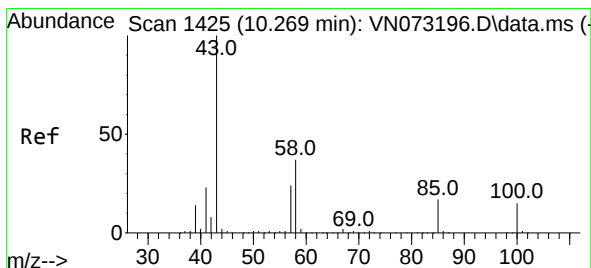
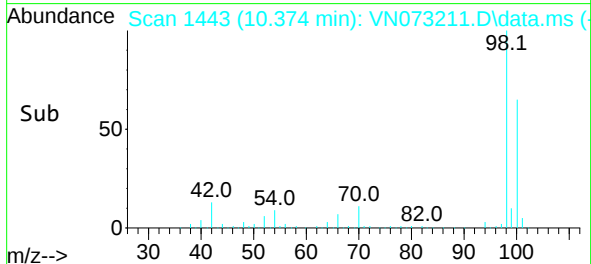
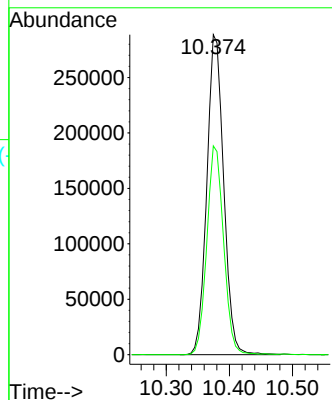
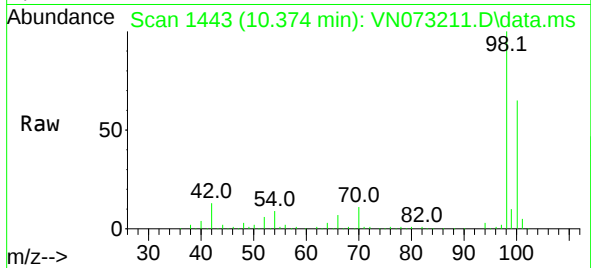




#50
Toluene-d8
Concen: 44.912 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

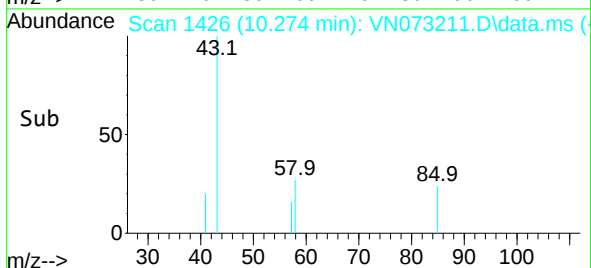
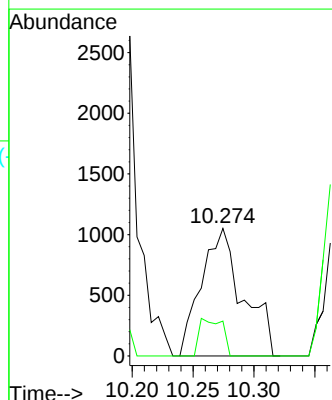
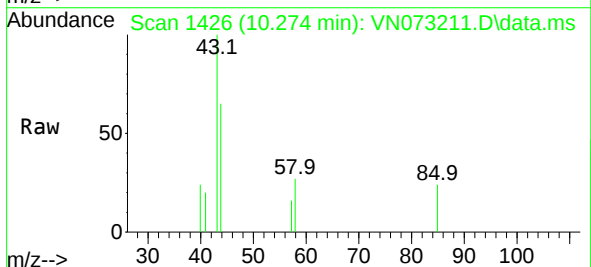
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

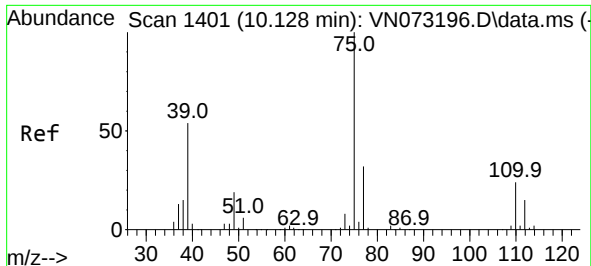
Tgt Ion: 98 Resp: 535174
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.353 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 43 Resp: 2507
Ion Ratio Lower Upper
43 100
58 16.1 34.1 51.1#

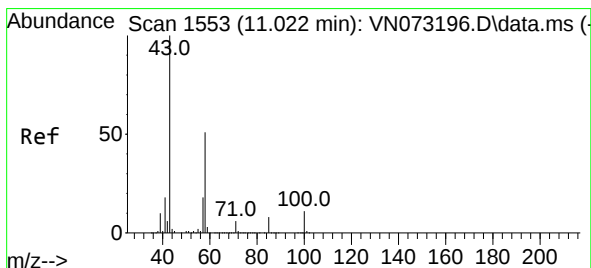
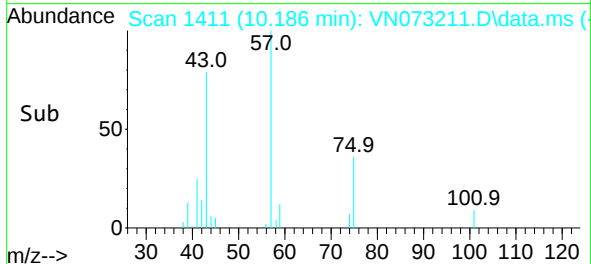
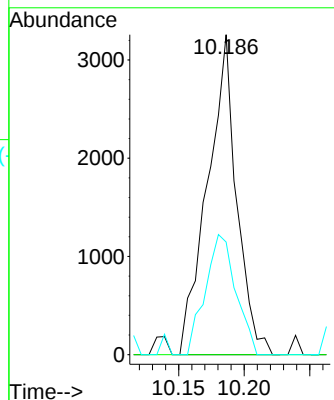
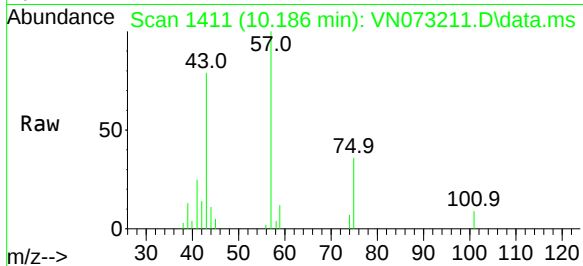




#54
 cis-1,3-Dichloropropene
 Concen: 0.794 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.058 min
 Lab File: VN073211.D
 Acq: 28 Jun 2022 21:02

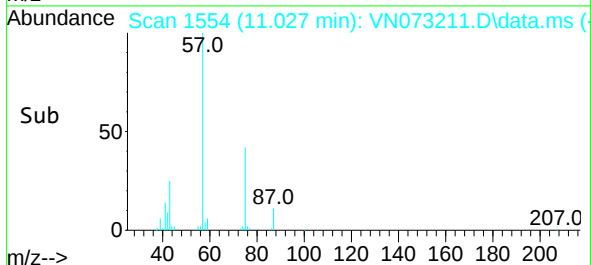
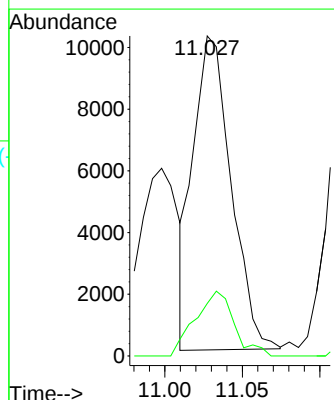
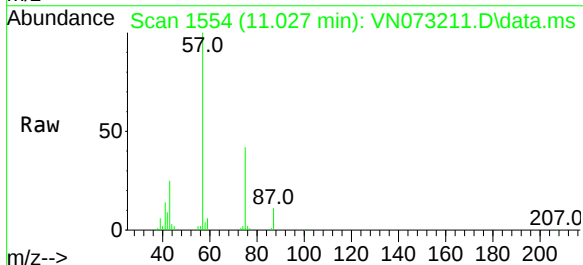
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-2-GRDL

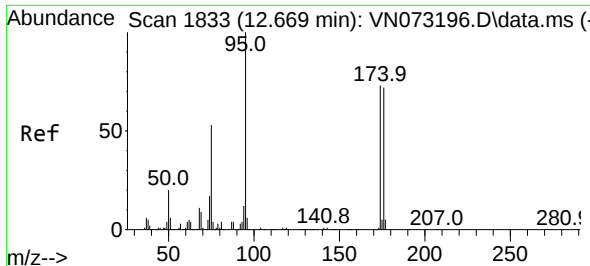
Tgt Ion: 75 Resp: 5038
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 35.2 35.7 53.5#



#59
 2-Hexanone
 Concen: 3.195 ug/l
 RT: 11.027 min Scan# 1554
 Delta R.T. 0.005 min
 Lab File: VN073211.D
 Acq: 28 Jun 2022 21:02

Tgt Ion: 43 Resp: 17315
 Ion Ratio Lower Upper
 43 100
 58 21.1 29.7 89.1#

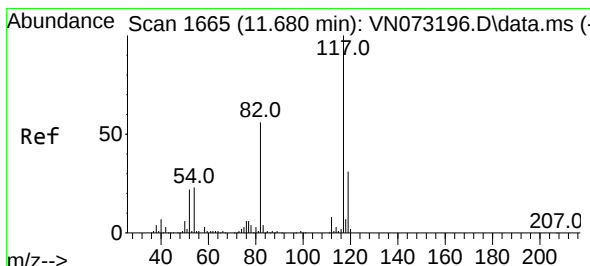
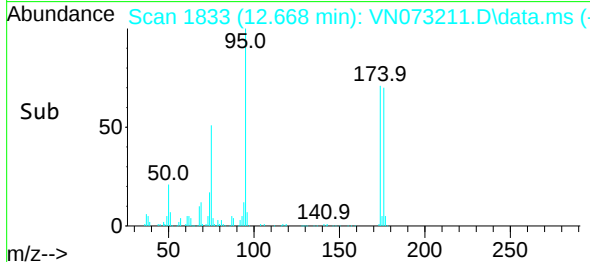
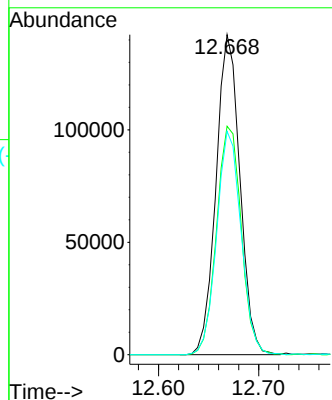
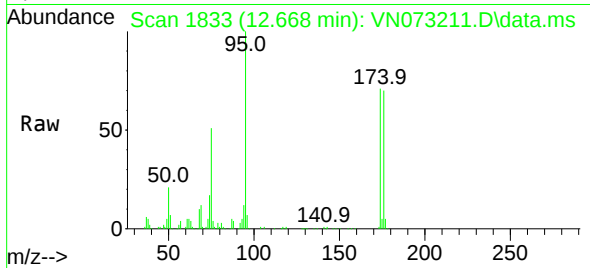




#62
4-Bromofluorobenzene
Concen: 51.424 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

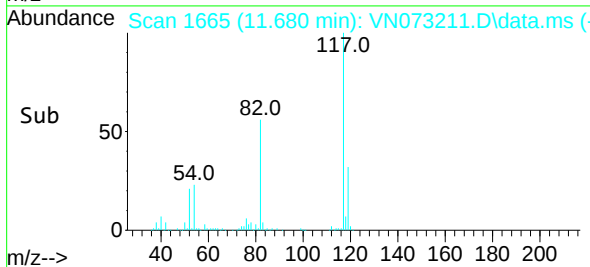
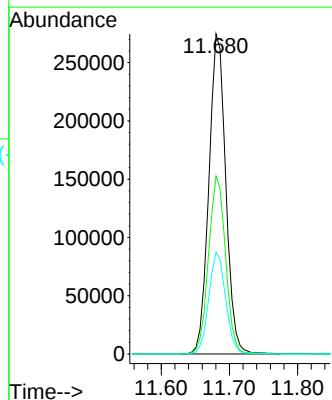
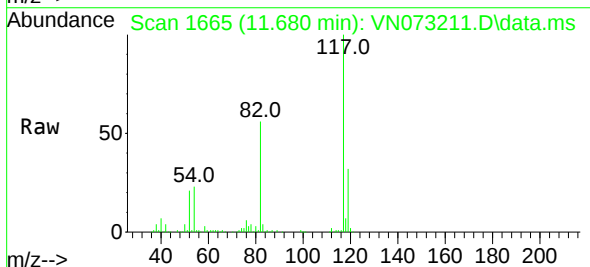
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

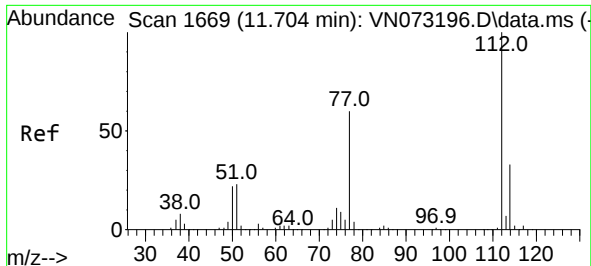
Tgt Ion: 95 Resp: 235483
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 71.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 117 Resp: 473903
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 31.8 25.4 38.0

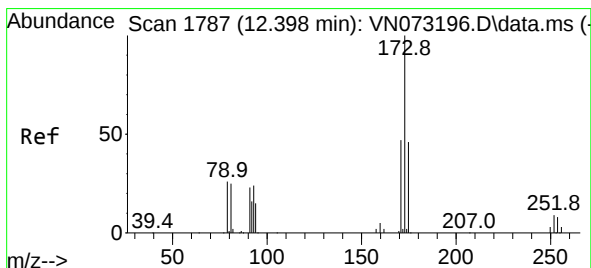
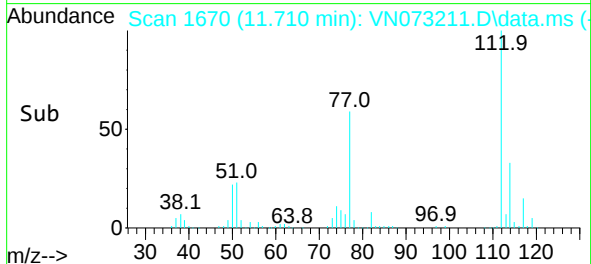
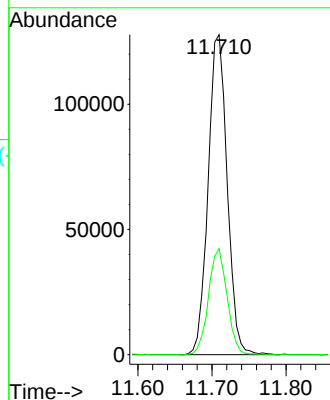
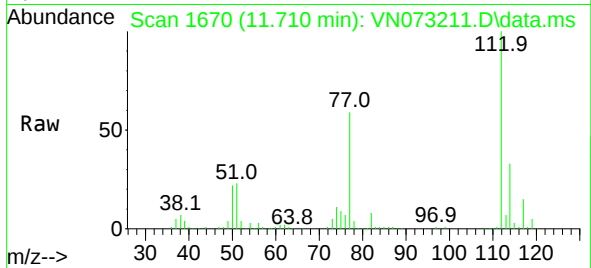




#65
Chlorobenzene
Concen: 21.274 ug/l
RT: 11.710 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

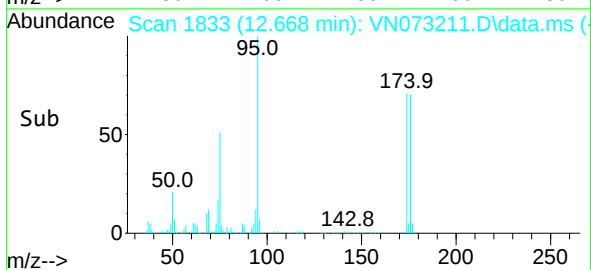
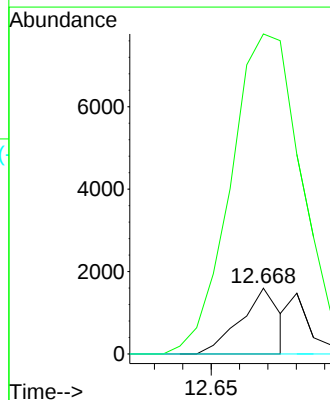
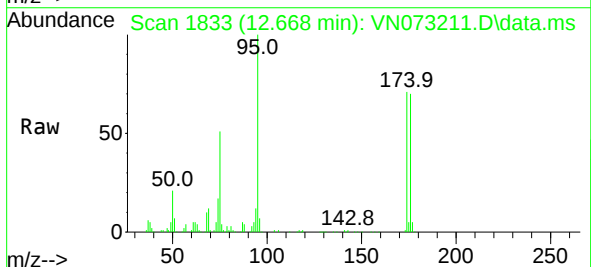
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

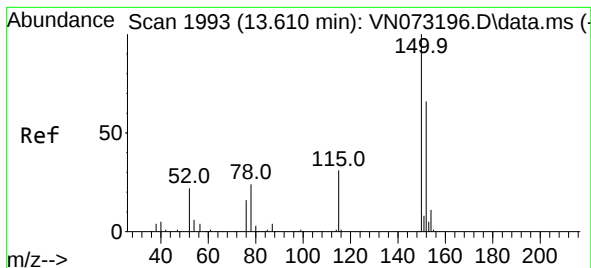
Tgt Ion:112 Resp: 228018
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.2



#71
Bromoform
Concen: 0.530 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion:173 Resp: 1528
Ion Ratio Lower Upper
173 100
175 674.0 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073211.D

Acq: 28 Jun 2022 21:02

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-2-GRDL

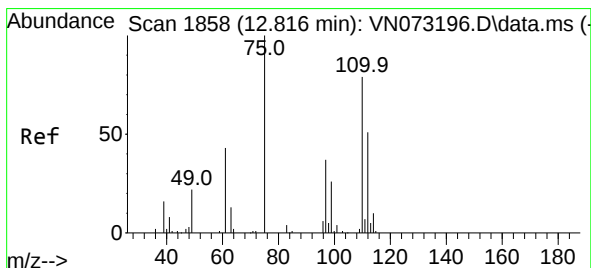
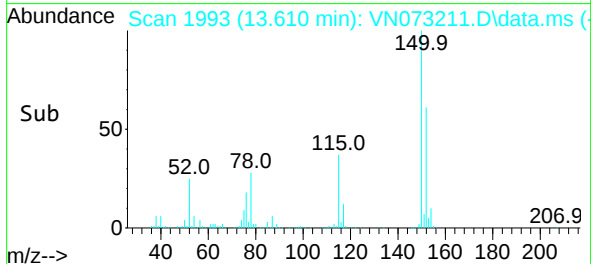
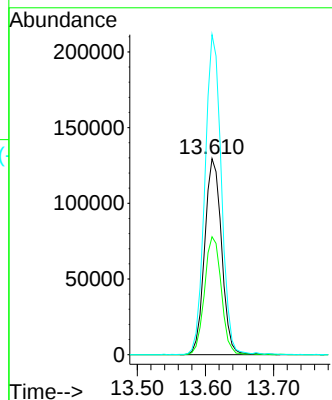
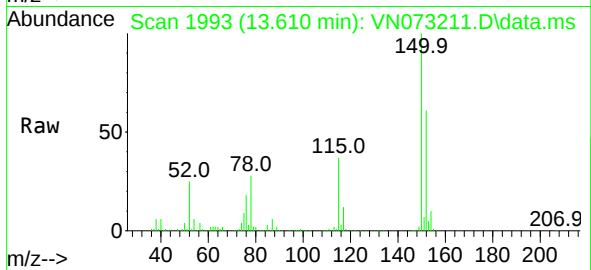
Tgt Ion:152 Resp: 223509

Ion Ratio Lower Upper

152 100

115 59.8 28.9 86.7

150 158.2 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.911 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073211.D

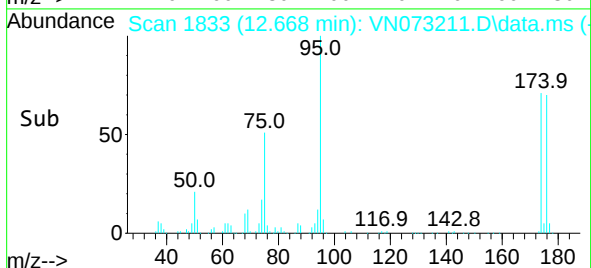
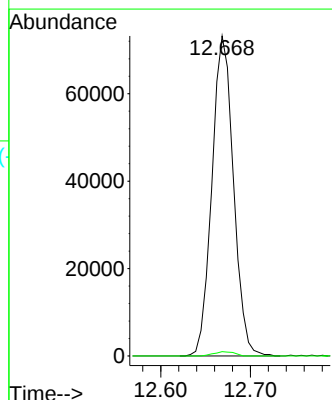
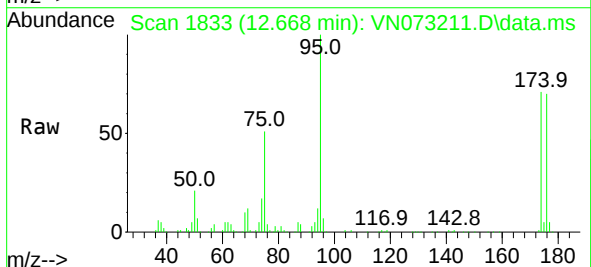
Acq: 28 Jun 2022 21:02

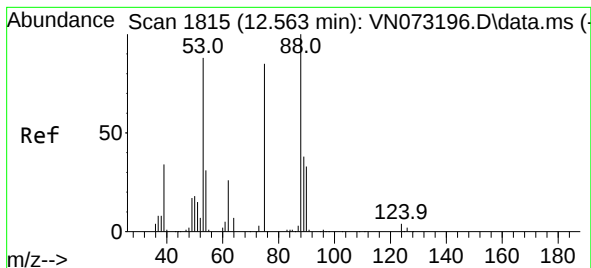
Tgt Ion: 75 Resp: 122213

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#

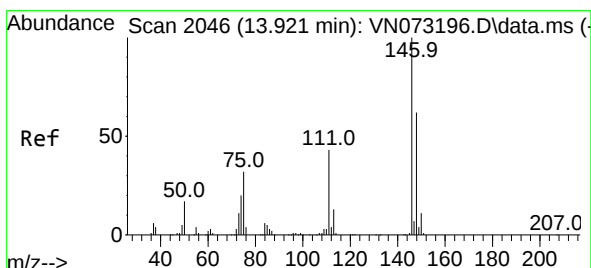
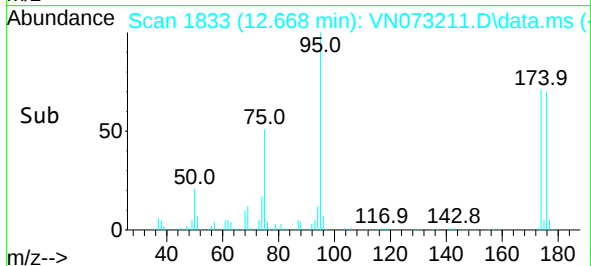
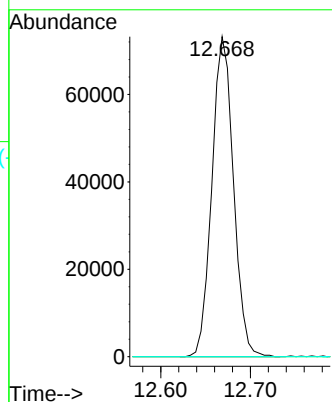
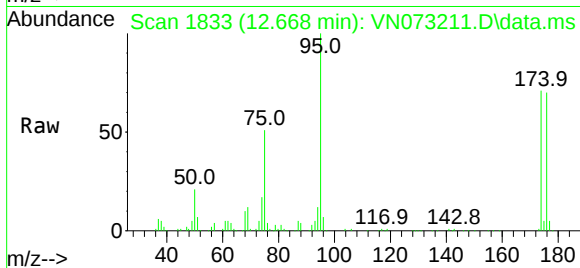




#81
trans-1,4-Dichloro-2-butene
Concen: 57.349 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

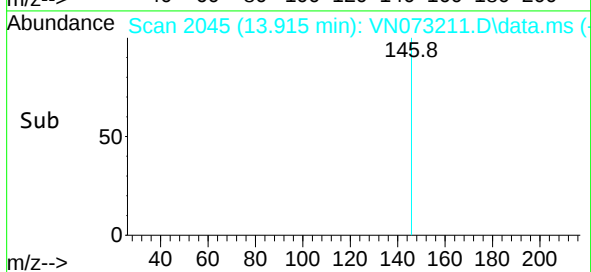
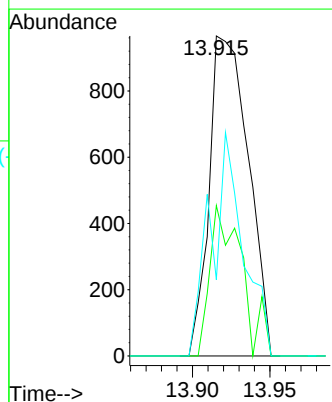
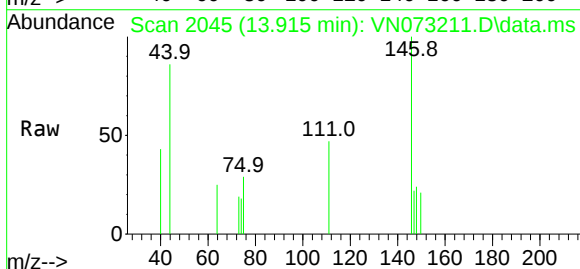
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

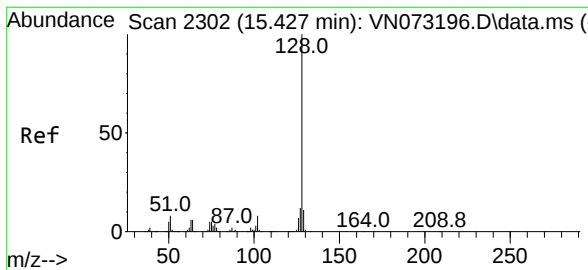
Tgt Ion: 75 Resp: 122213
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#91
1,2-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.915 min Scan# 2045
Delta R.T. -0.006 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Tgt Ion: 146 Resp: 1700
Ion Ratio Lower Upper
146 100
111 38.2 20.9 62.8
148 57.8 32.1 96.3





#95
Naphthalene
Concen: 2.637 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073211.D
Acq: 28 Jun 2022 21:02

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-2-GRDL

Tgt Ion:128 Resp: 45423
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 10.8 8.6 13.0

