

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068826.D
 Acq On : 6 Oct 2021 18:40
 Operator : JC/MD
 Sample : M4072-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-207

Quant Time: Oct 07 06:02:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

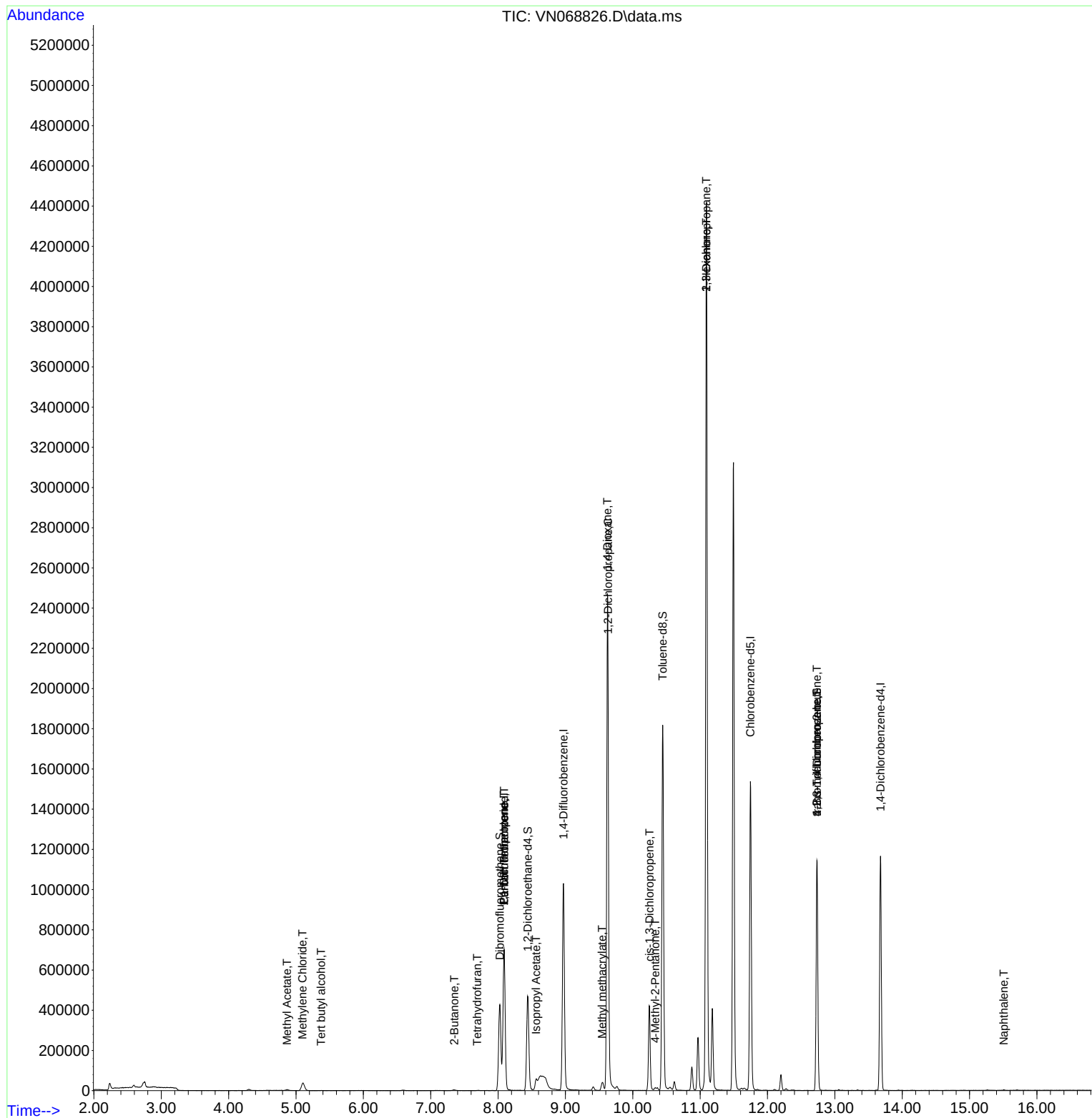
Internal Standards						
1) Pentafluorobenzene	8.091	168	503574	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	889974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	857834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	298948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	394238	53.27	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	106.54%		
35) Dibromofluoromethane	8.027	113	306751	52.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.94%		
50) Toluene-d8	10.443	98	1251371	54.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.78%		
62) 4-Bromofluorobenzene	12.733	95	368007	43.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.80%		
Target Compounds						
3) Chloromethane	2.303	50	1530	Below Cal		98
4) Vinyl Chloride	2.440	62	92	Below Cal	#	44
6) Chloroethane	2.915	64	312	Below Cal	#	44
11) Tert butyl alcohol	5.374	59	697	0.79	ug/l	# 71
16) Acetone	4.304	43	11190	Below Cal	#	87
17) Carbon Disulfide	4.524	76	124	Below Cal	#	74
18) Methyl Acetate	4.867	43	9744	1.33	ug/l	# 76
20) Methylene Chloride	5.095	84	29711	3.27	ug/l	88
25) 2-Butanone	7.351	43	6185	1.83	ug/l	# 89
29) Tetrahydrofuran	7.691	42	646	0.31	ug/l	# 39
31) Cyclohexane	8.091	56	13885	Below Cal	#	27
36) 1,1-Dichloropropene	8.088	75	43620	6.20	ug/l	# 53
38) Carbon Tetrachloride	8.091	117	55445	6.54	ug/l	# 16
43) Isopropyl Acetate	8.566	43	59495	4.87	ug/l	# 84
45) 1,2-Dichloropropane	9.633	63	2864	0.50	ug/l	# 44
48) Methyl methacrylate	9.545	41	10393	1.99	ug/l	# 13
49) 1,4-Dioxane	9.622	88	278	2.45	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	8854	1.14	ug/l	95
54) cis-1,3-Dichloropropene	10.247	75	71753	7.67	ug/l	# 68
57) 1,3-Dichloropropane	11.092	76	45852	4.64	ug/l	# 43
59) 2-Hexanone	11.092	43	682644	121.75	ug/l	# 54
76) 1,2,3-Trichloropropane	12.733	75	215282	36.53	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	215282	105.83	ug/l	# 6
95) Naphthalene	15.507	128	2661	0.22	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.708	180	628	Below Cal	#	12

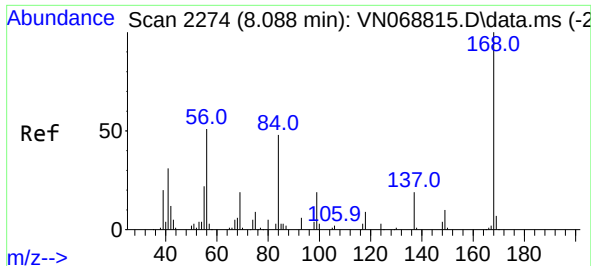
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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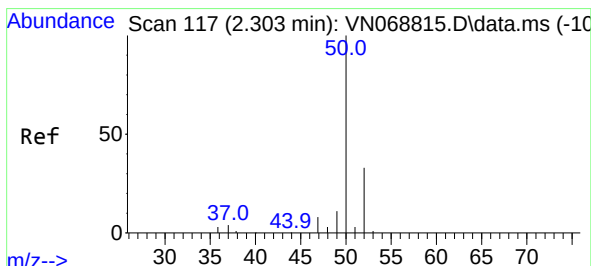
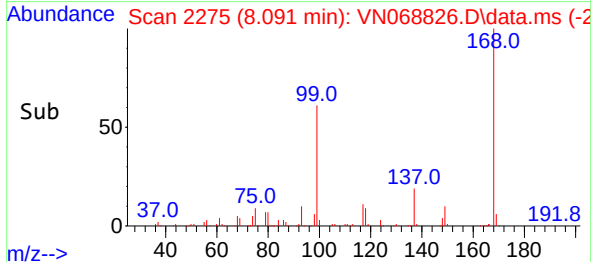
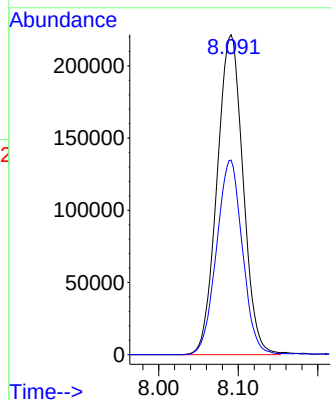
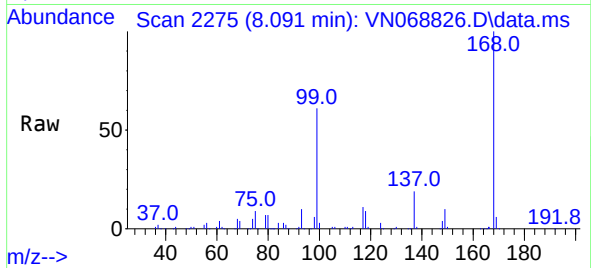




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

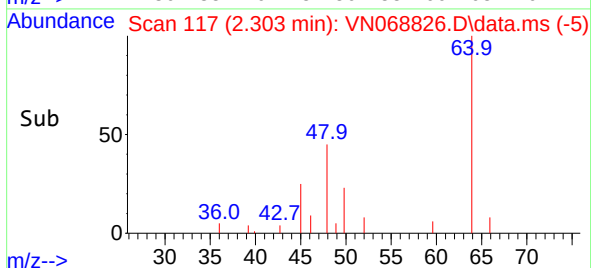
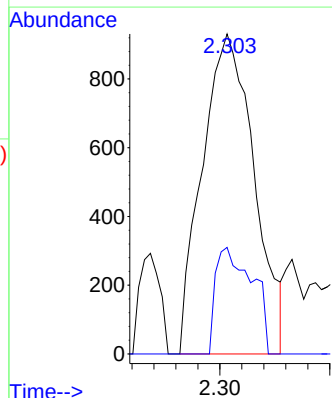
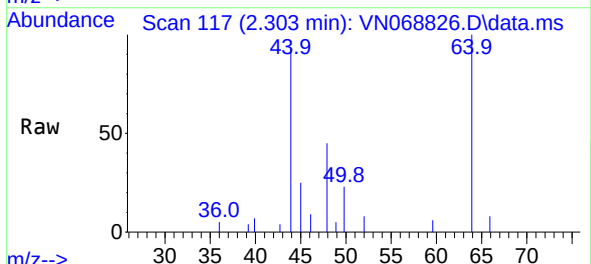
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

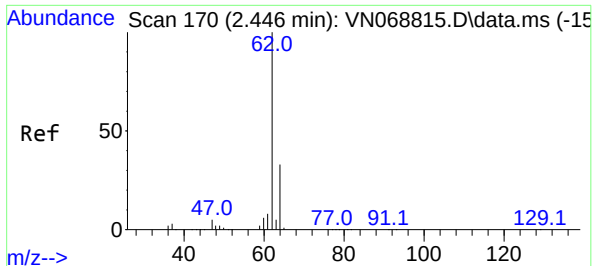
Tgt Ion:168 Resp: 503574
Ion Ratio Lower Upper
168 100
99 60.8 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 50 Resp: 1530
Ion Ratio Lower Upper
50 100
52 33.3 25.6 38.4

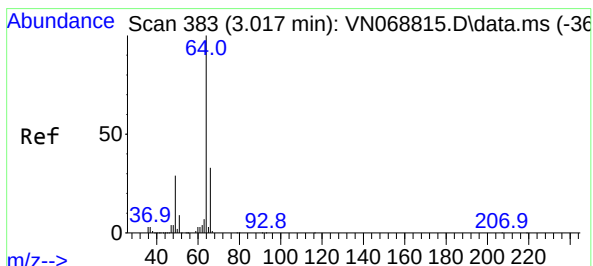
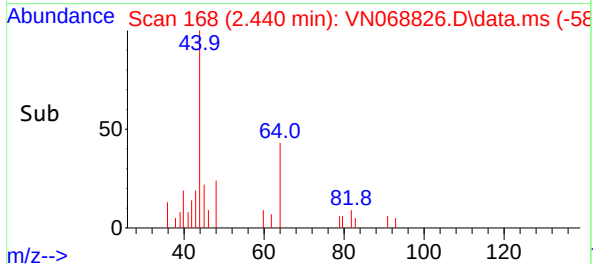
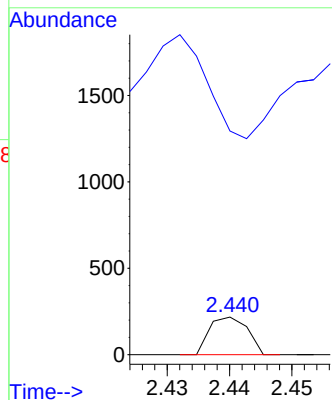
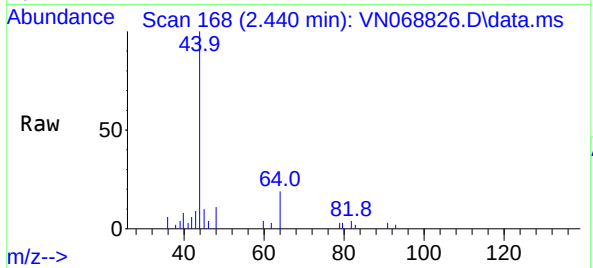




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.440 min Scan# 168
 Delta R.T. -0.006 min
 Lab File: VN068826.D
 Acq: 6 Oct 2021 18:40

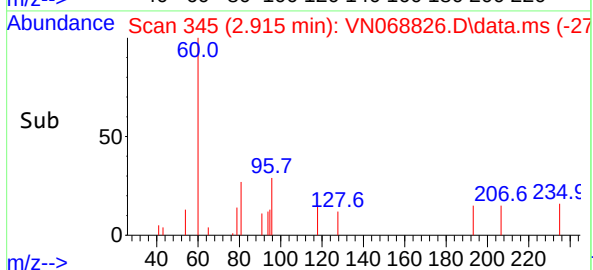
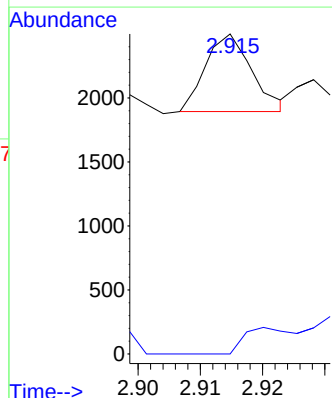
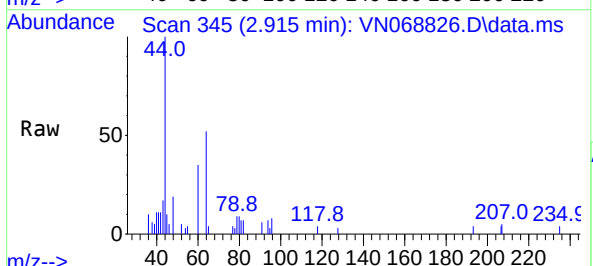
Instrument :
 MSVOA_N
 ClientSampled :
 VNJ-207

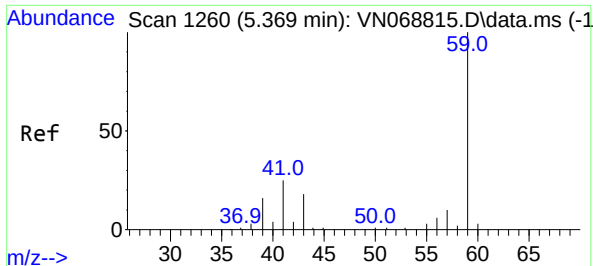
Tgt Ion: 62 Resp: 92
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.915 min Scan# 345
 Delta R.T. -0.102 min
 Lab File: VN068826.D
 Acq: 6 Oct 2021 18:40

Tgt Ion: 64 Resp: 312
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#



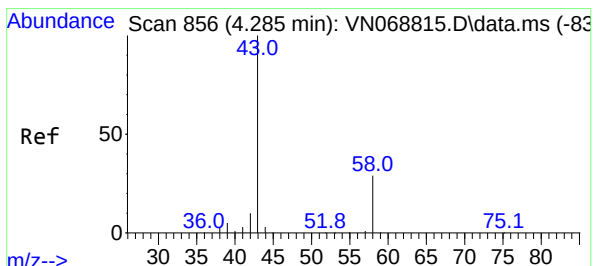
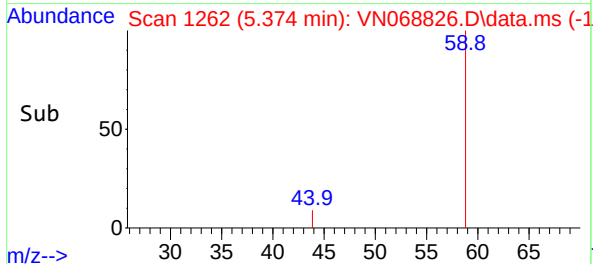
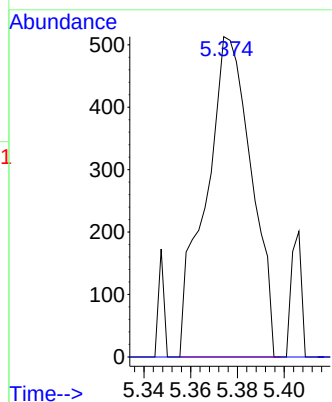
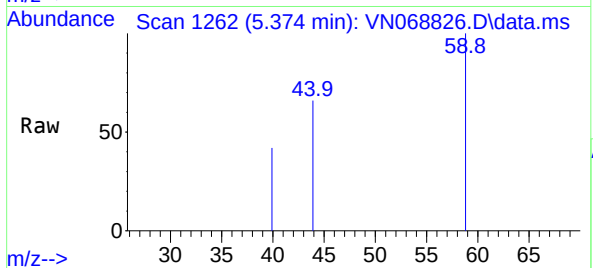


#11

Tert butyl alcohol
Concen: 0.79 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. 0.005 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

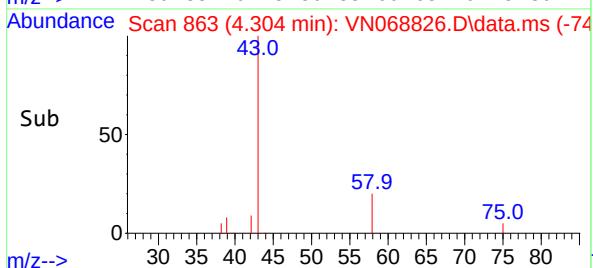
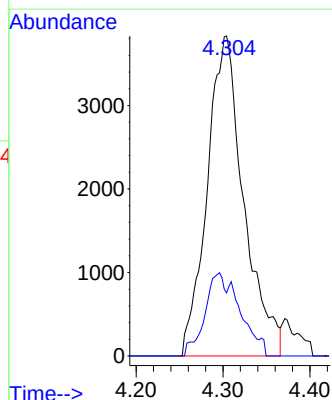
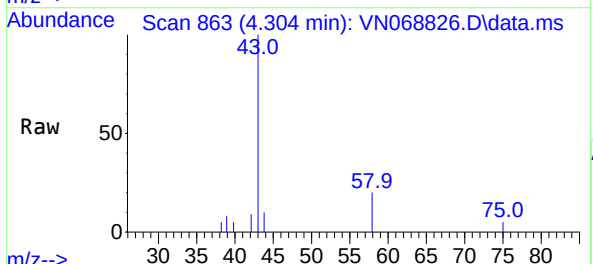
Tgt Ion: 59 Resp: 697
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

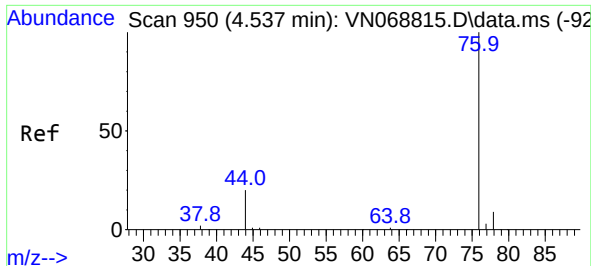


#16

Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 43 Resp: 11190
Ion Ratio Lower Upper
43 100
58 19.7 21.2 31.8#

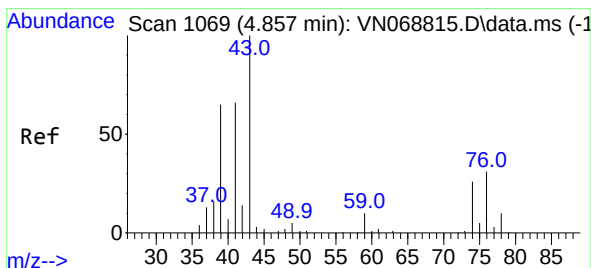
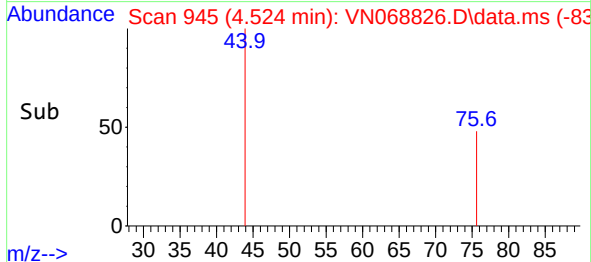
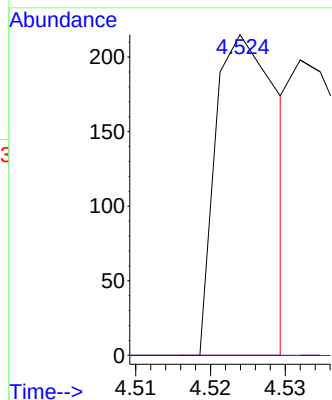
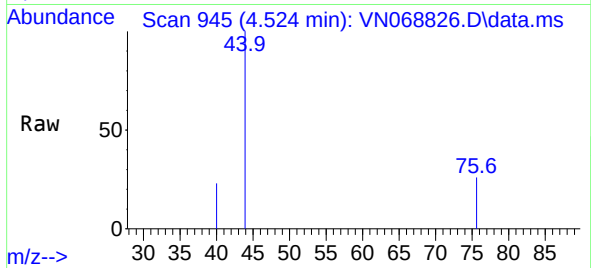




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.524 min Scan# 945
Delta R.T. -0.013 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

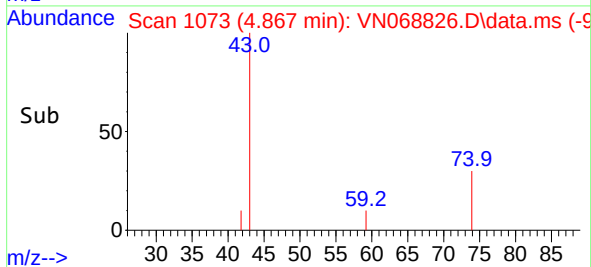
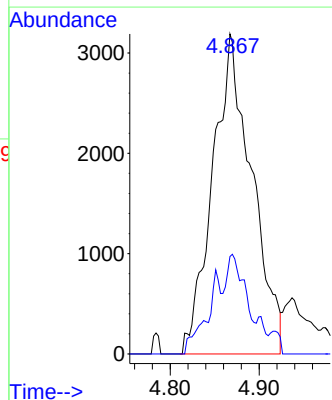
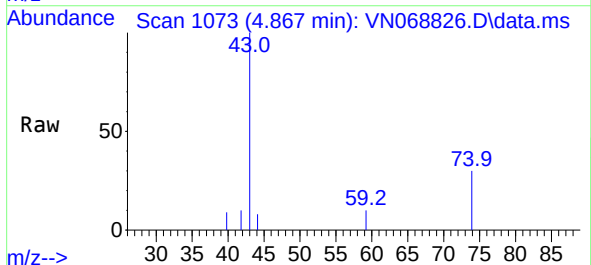
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

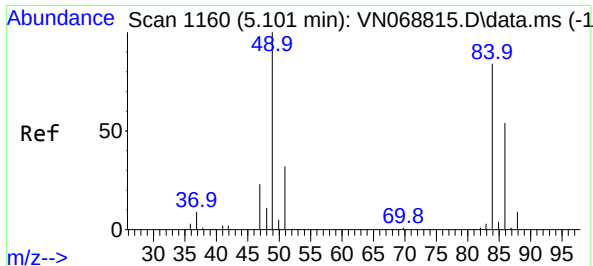
Tgt Ion: 76 Resp: 124
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.33 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 43 Resp: 9744
Ion Ratio Lower Upper
43 100
74 10.1 17.4 26.0#



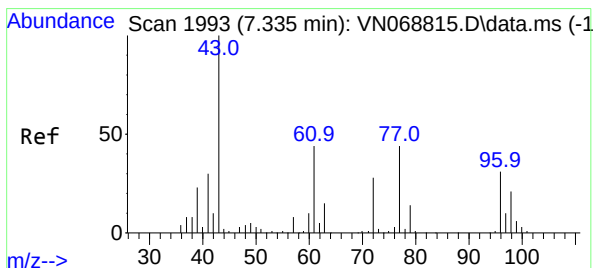
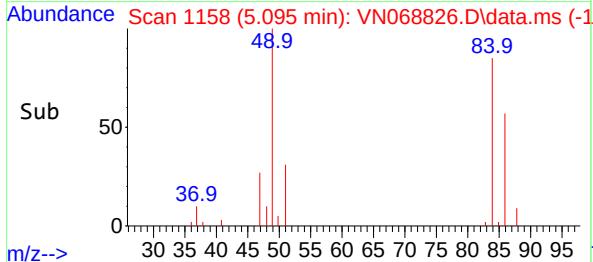
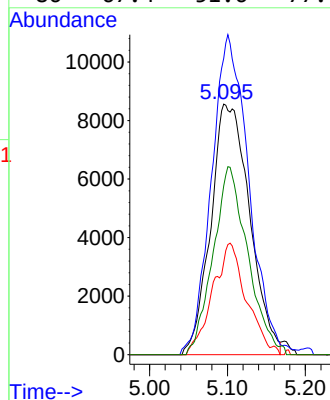
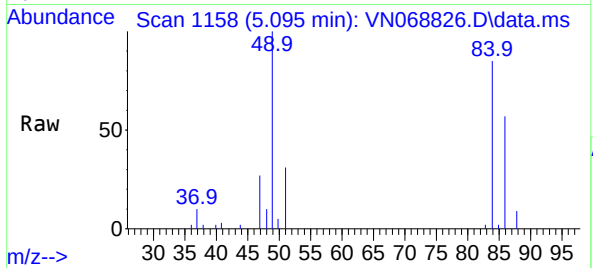


#20
Methylene Chloride
Concen: 3.27 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. -0.006 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
MSVOA_N
ClientSampled :
VNJ-207

Tgt Ion: 84 Resp: 29711

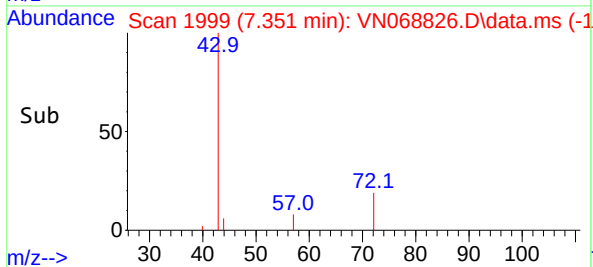
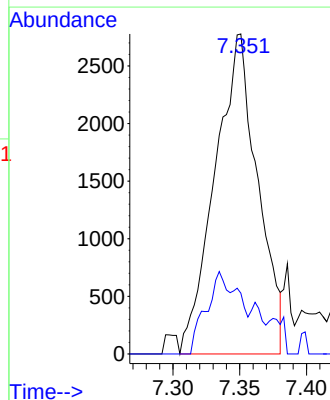
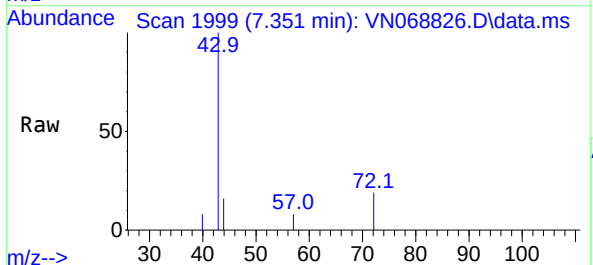
Ion	Ratio	Lower	Upper
84	100		
49	118.3	110.9	166.3
51	36.8	32.6	49.0
86	67.4	51.6	77.4

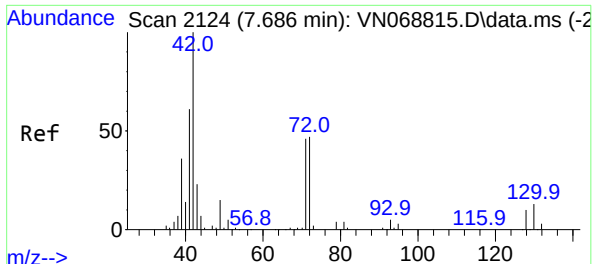


#25
2-Butanone
Concen: 1.83 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.016 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 43 Resp: 6185

Ion	Ratio	Lower	Upper
43	100		
72	19.0	19.7	29.5#



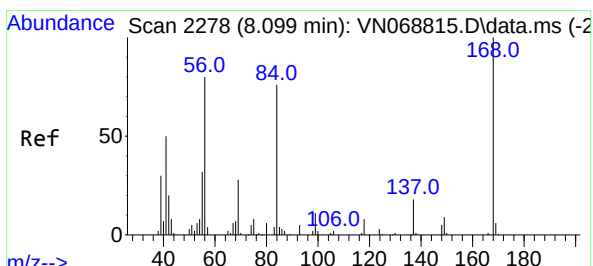
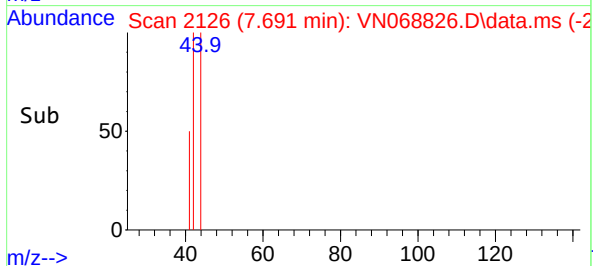
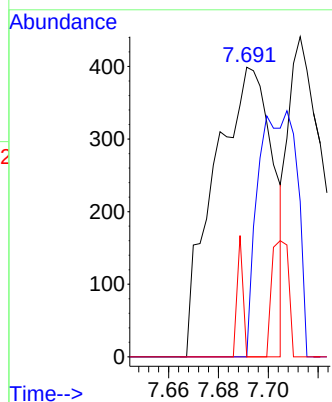
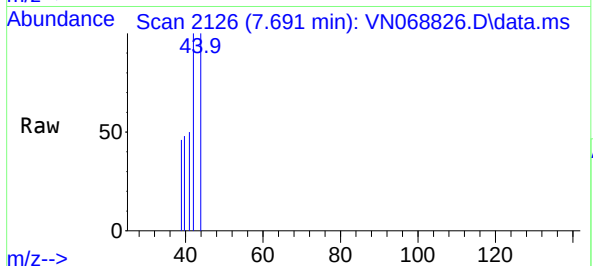


#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.005 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
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ClientSampled :
VNJ-207

Tgt Ion: 42 Resp: 646

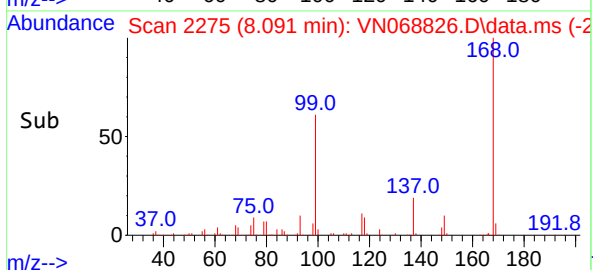
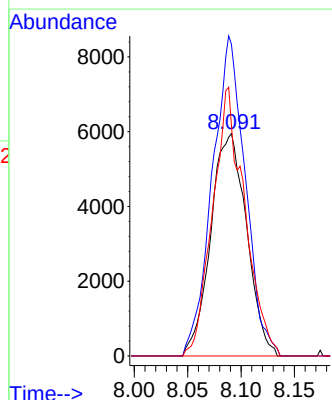
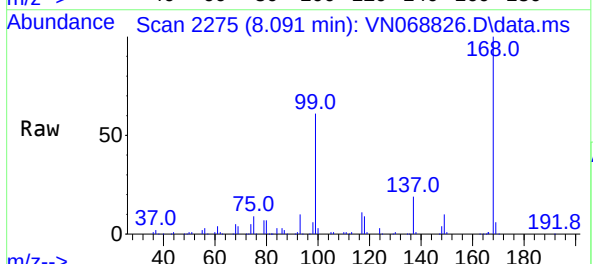
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	4.2	31.2	46.8#

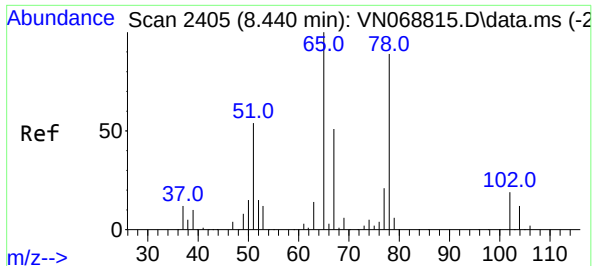


#31
Cyclohexane
Concen: Below Cal
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 56 Resp: 13885

Ion	Ratio	Lower	Upper
56	100		
69	140.2	27.3	40.9#
84	103.9	64.9	97.3#



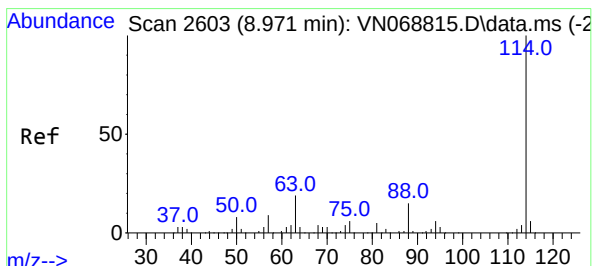
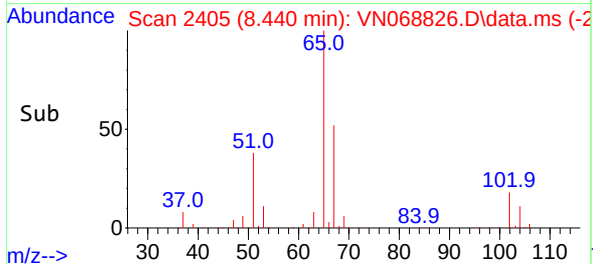
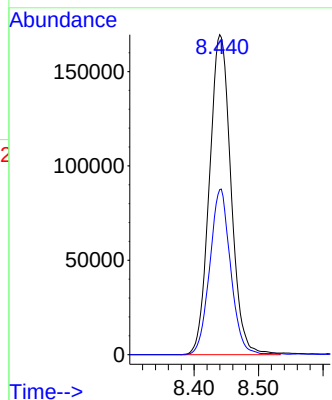
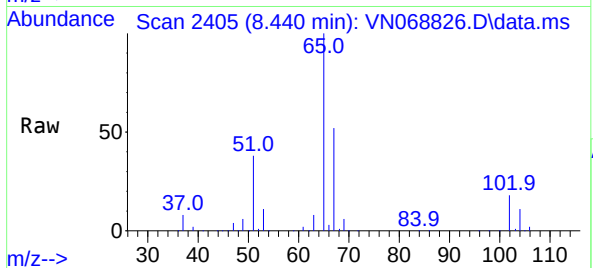


#33

1,2-Dichloroethane-d4
Concen: 53.27 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

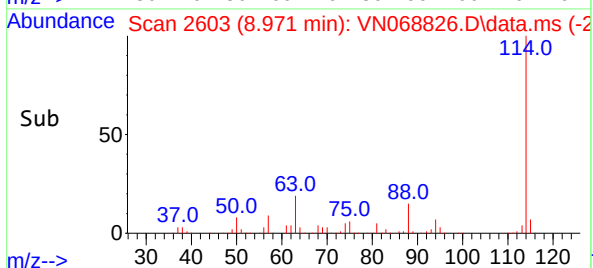
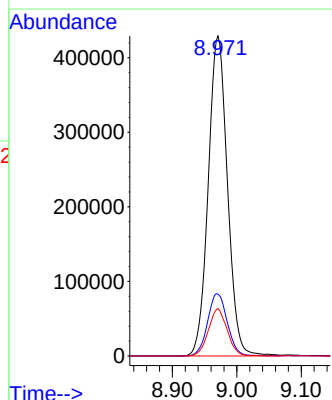
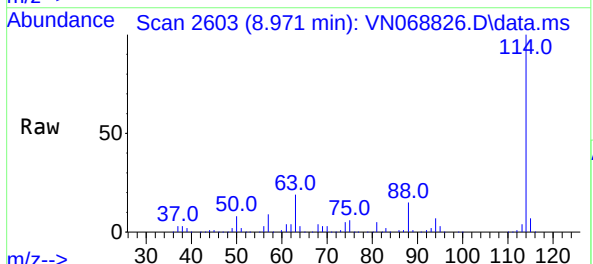
Tgt Ion: 65 Resp: 394238
Ion Ratio Lower Upper
65 100
67 49.9 0.0 98.6

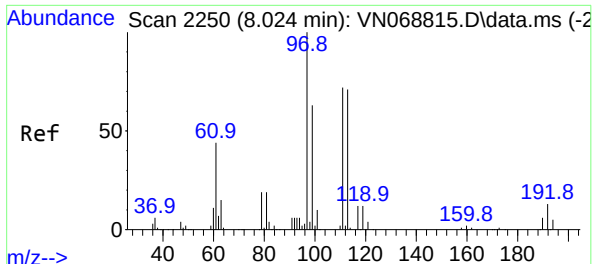


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 114 Resp: 889974
Ion Ratio Lower Upper
114 100
63 19.4 0.0 49.0
88 14.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.47 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VN068826.D

Acq: 6 Oct 2021 18:40

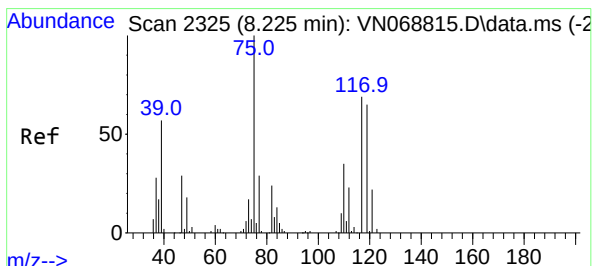
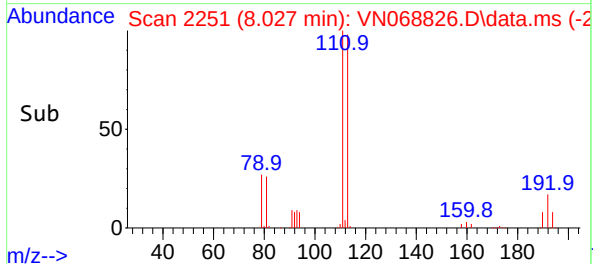
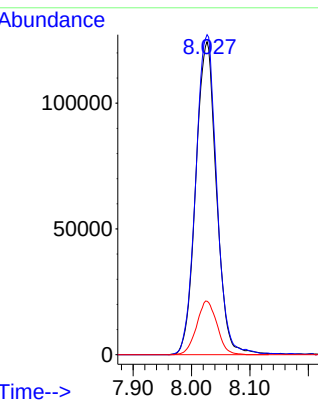
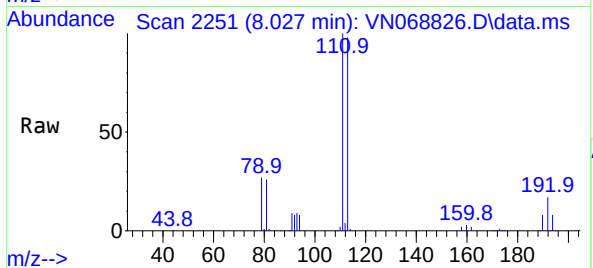
Tgt Ion:113 Resp: 306751

Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.8

192 16.9 13.4 20.0



#36

1,1-Dichloropropene

Concen: 6.20 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.137 min

Lab File: VN068826.D

Acq: 6 Oct 2021 18:40

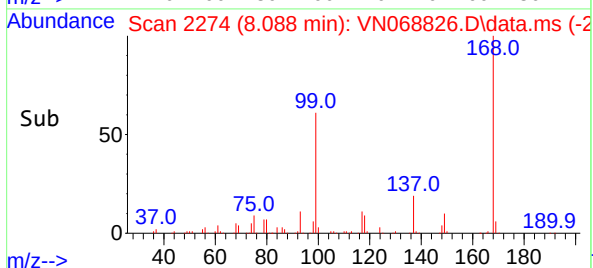
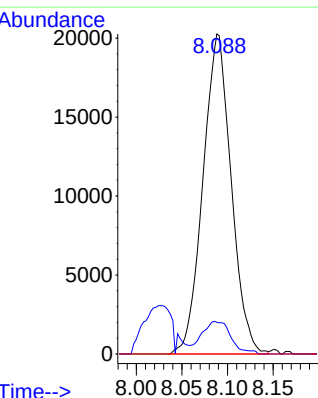
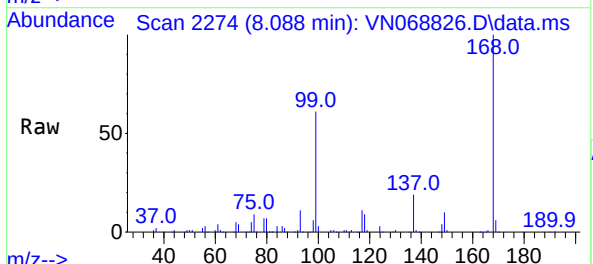
Tgt Ion: 75 Resp: 43620

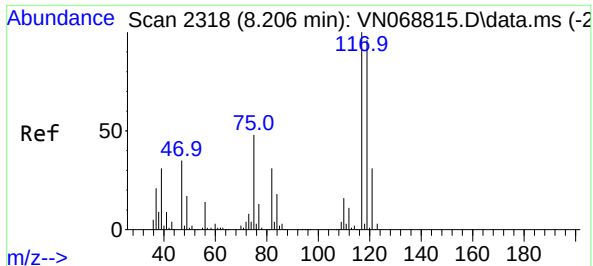
Ion Ratio Lower Upper

75 100

110 10.5 15.7 47.0#

77 0.0 24.6 37.0#

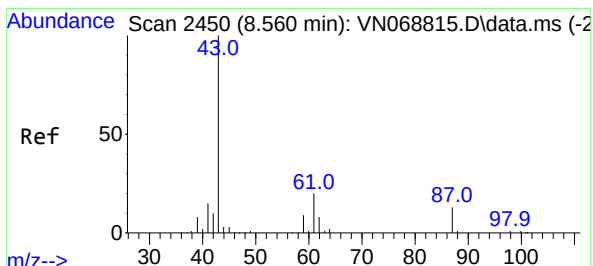
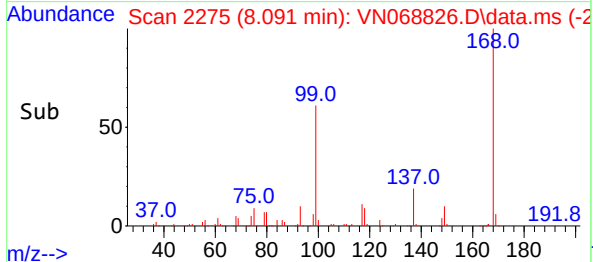
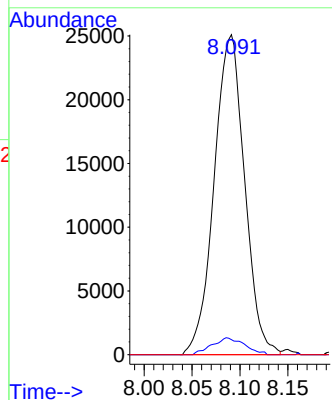
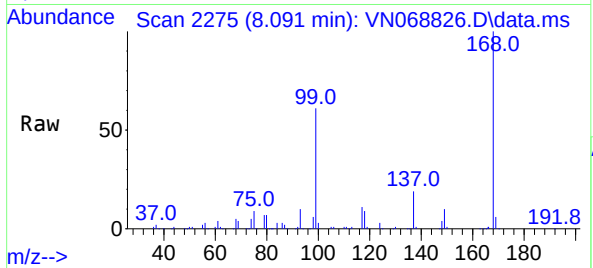




#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

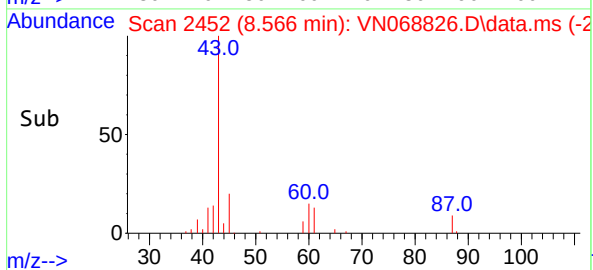
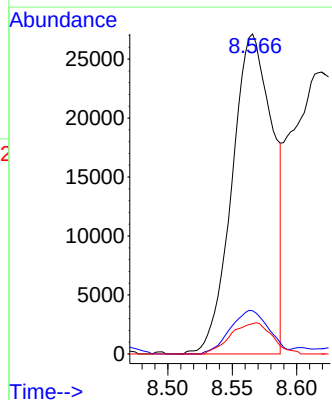
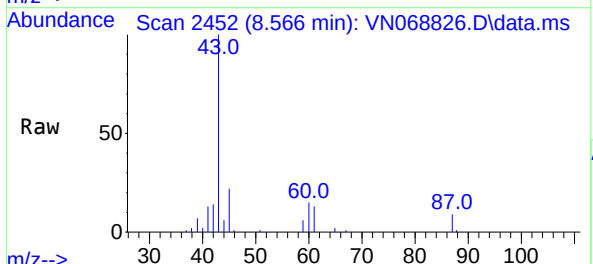
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

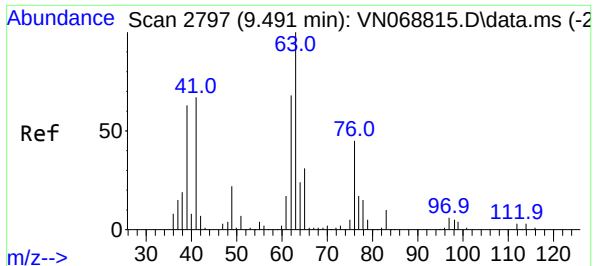
Tgt Ion:117 Resp: 55445
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.87 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 43 Resp: 59495
Ion Ratio Lower Upper
43 100
61 13.0 19.0 28.4#
87 9.9 9.5 14.3

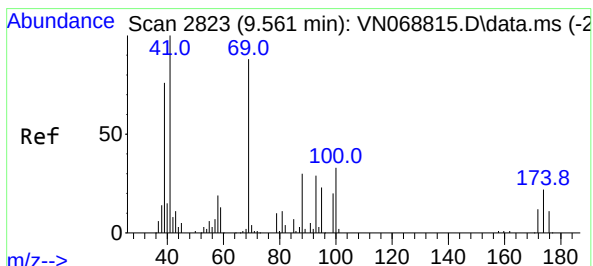
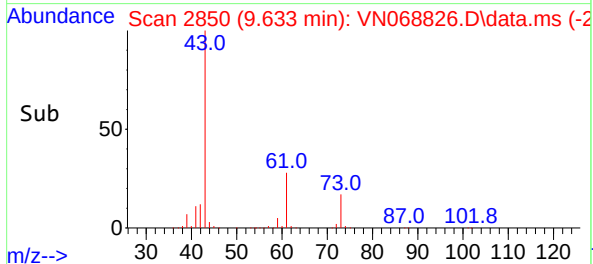
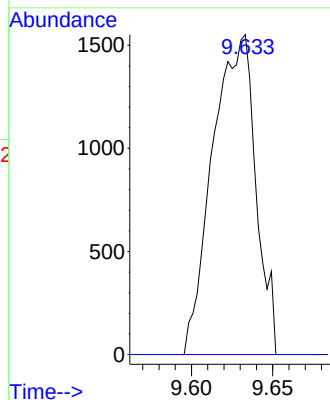
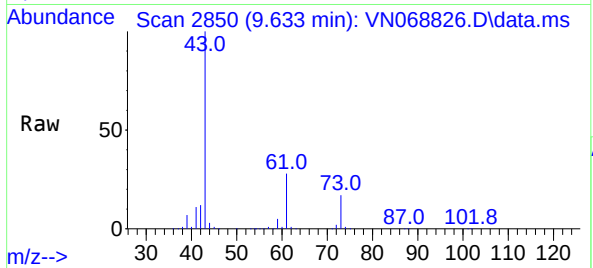




#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.142 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

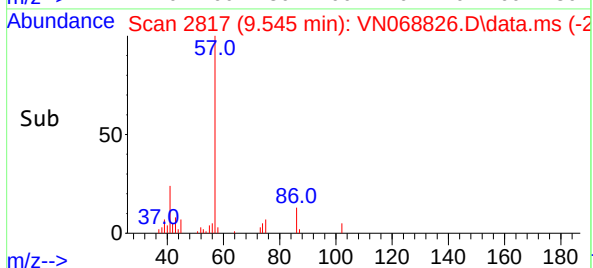
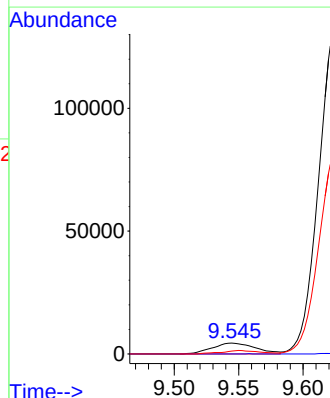
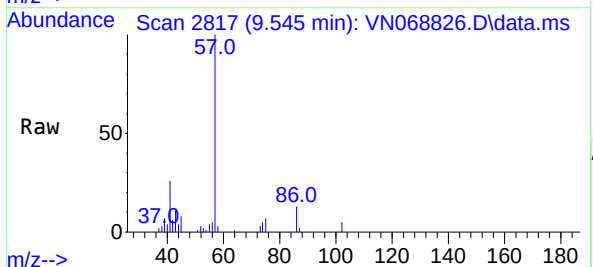
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

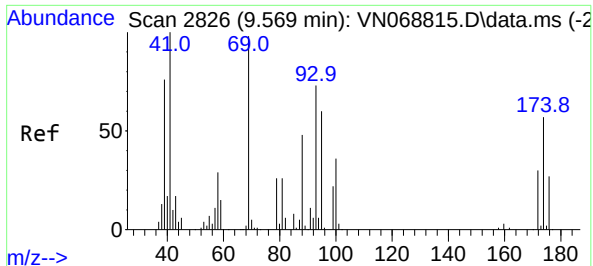
Tgt Ion: 63 Resp: 2864
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 1.99 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 41 Resp: 10393
Ion Ratio Lower Upper
41 100
69 0.3 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 2.45 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN068826.D

Acq: 6 Oct 2021 18:40

Tgt Ion: 88 Resp: 278

Ion Ratio Lower Upper

88 100

43 858154.7 28.8 43.2#

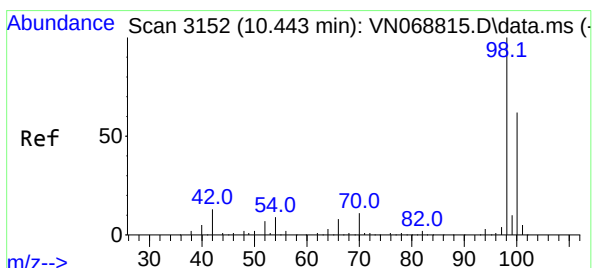
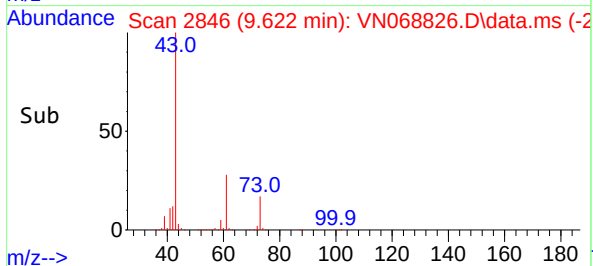
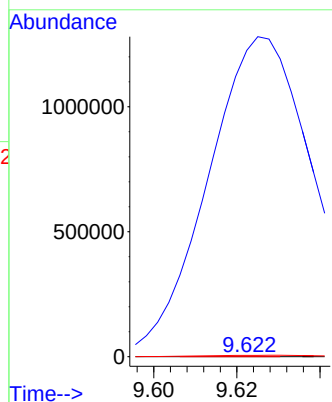
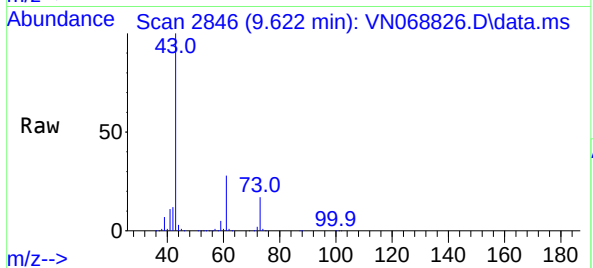
58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

VNJ-207



#50

Toluene-d8

Concen: 54.89 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068826.D

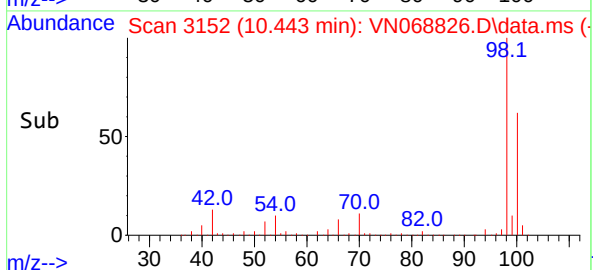
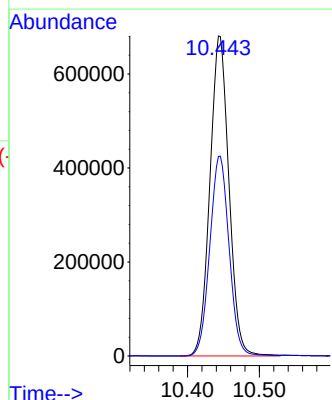
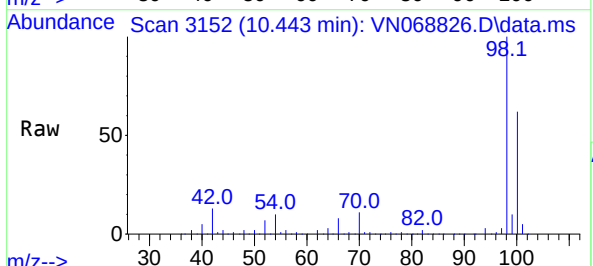
Acq: 6 Oct 2021 18:40

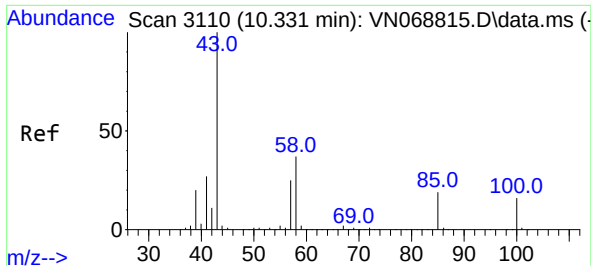
Tgt Ion: 98 Resp: 1251371

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5

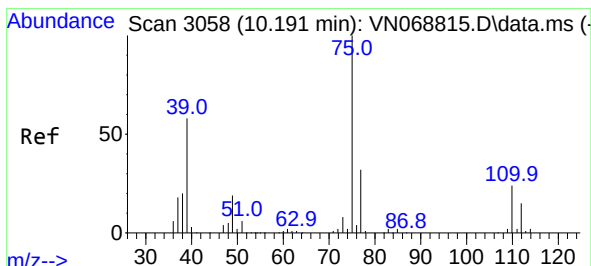
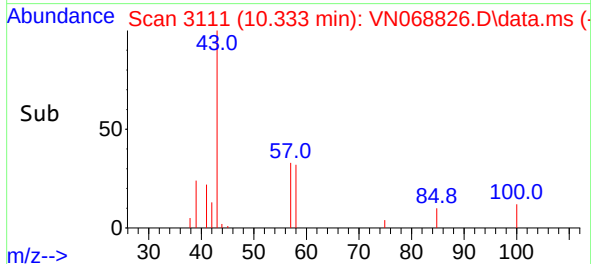
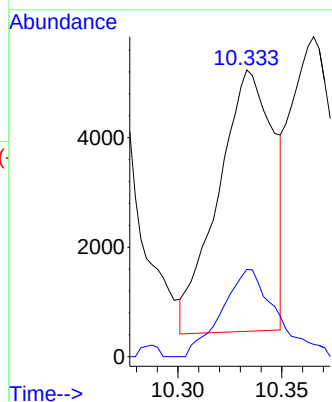
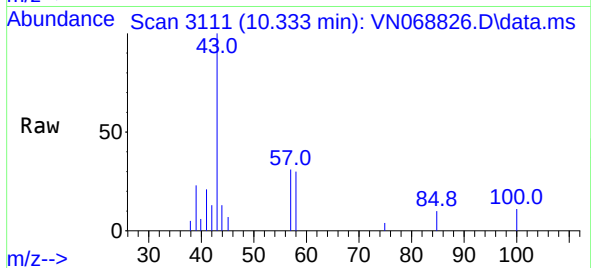




#51
4-Methyl-2-Pentanone
Concen: 1.14 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

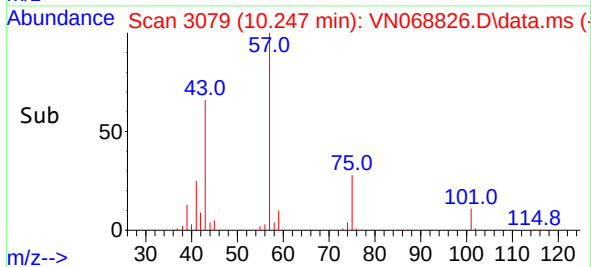
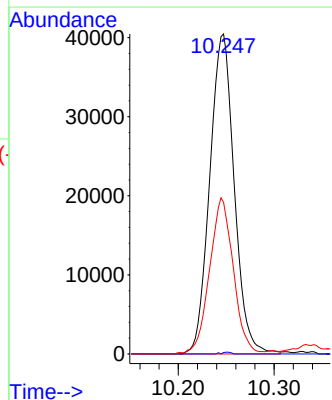
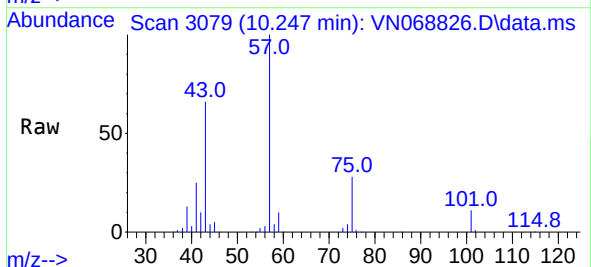
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

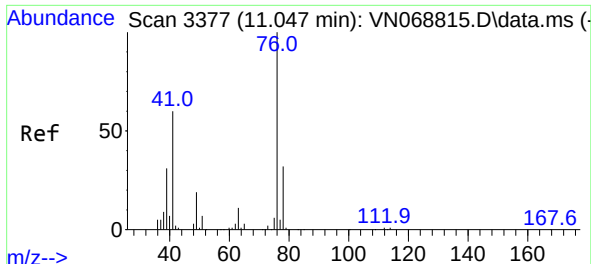
Tgt Ion: 43 Resp: 8854
Ion Ratio Lower Upper
43 100
58 33.0 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 7.67 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 75 Resp: 71753
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 46.9 50.7 76.1#

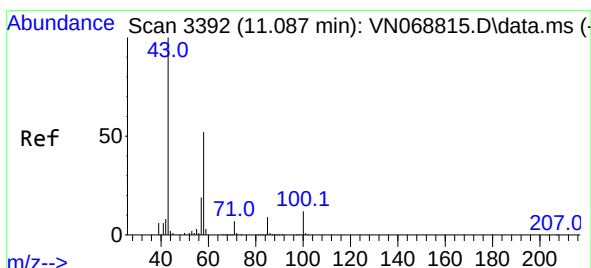
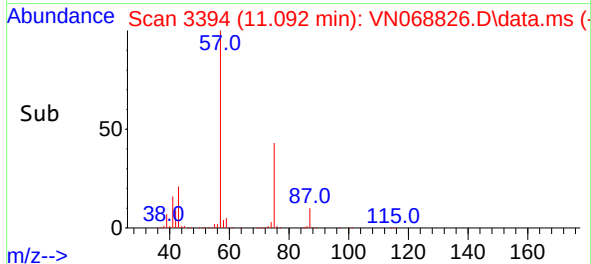
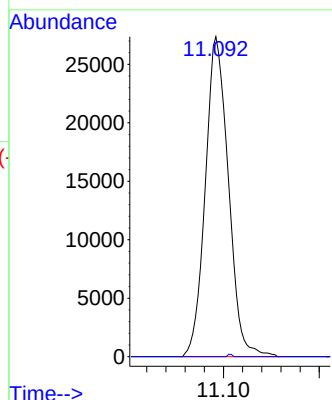
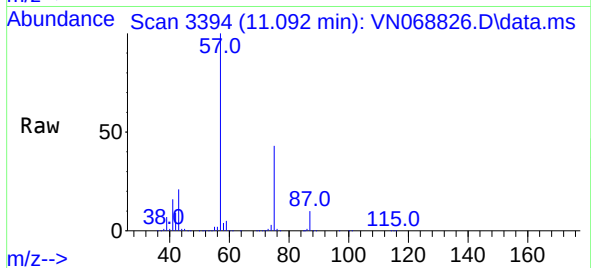




#57
1,3-Dichloropropane
Concen: 4.64 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

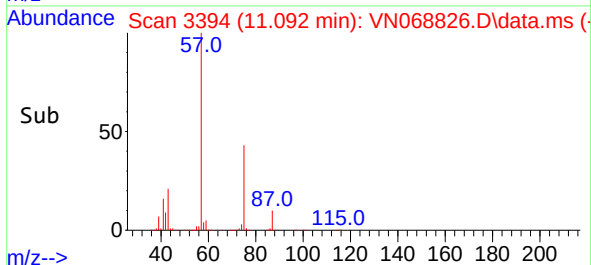
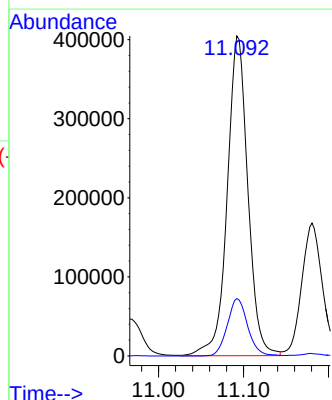
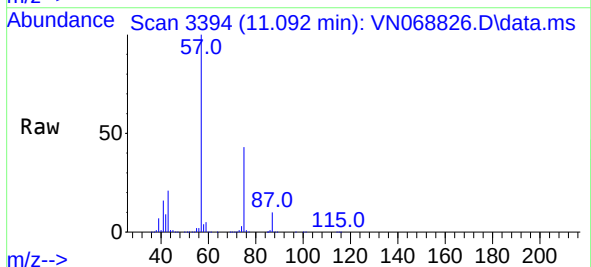
Instrument :
MSVOA_N
ClientSampled :
VNJ-207

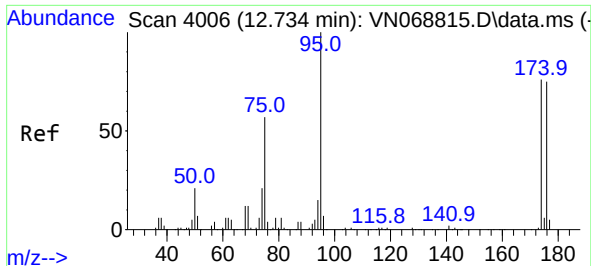
Tgt Ion: 76 Resp: 45852
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 121.75 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 43 Resp: 682644
Ion Ratio Lower Upper
43 100
58 17.8 24.7 74.1#

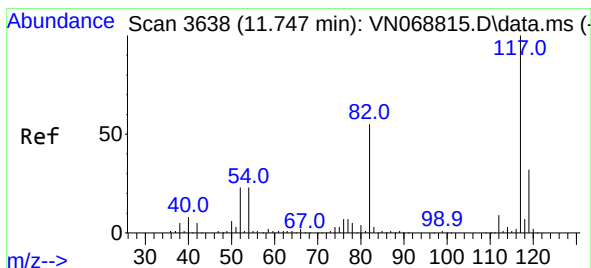
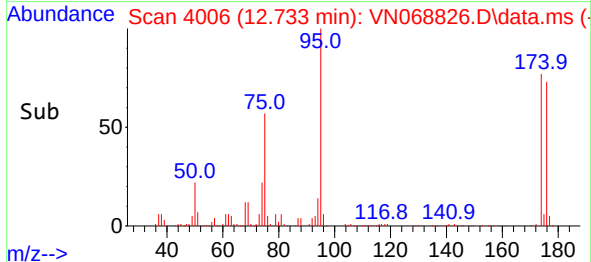
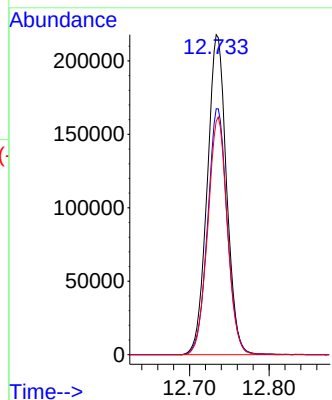
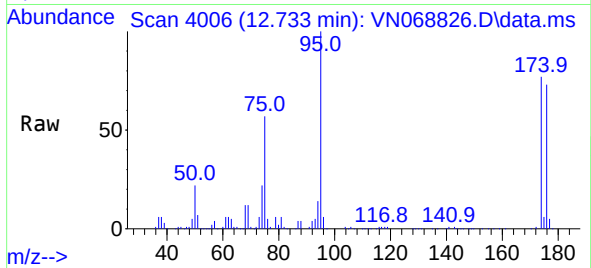




#62
4-Bromofluorobenzene
Concen: 43.40 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

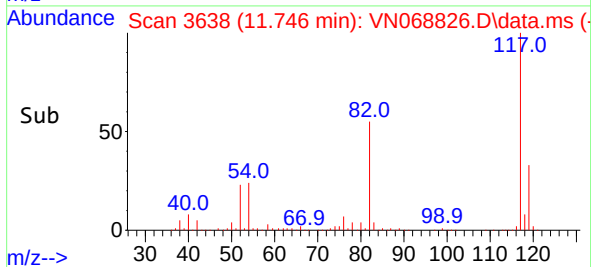
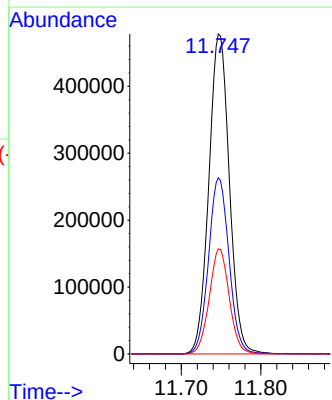
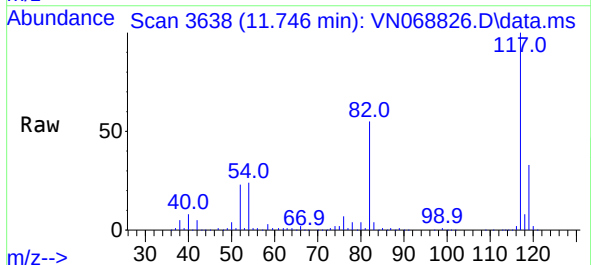
Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

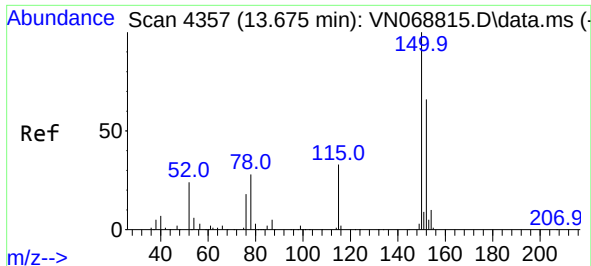
Tgt Ion: 95 Resp: 368007
Ion Ratio Lower Upper
95 100
174 77.9 0.0 122.0
176 74.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

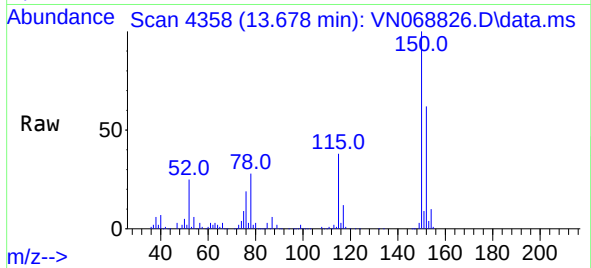
Tgt Ion: 117 Resp: 857834
Ion Ratio Lower Upper
117 100
82 55.1 53.1 79.7
119 32.8 25.5 38.3



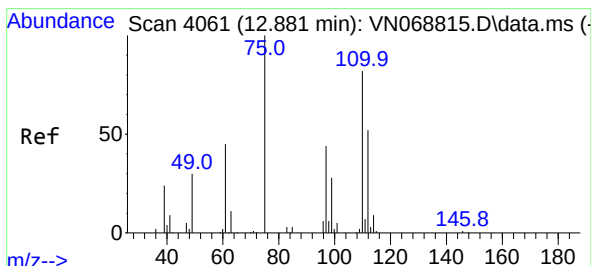
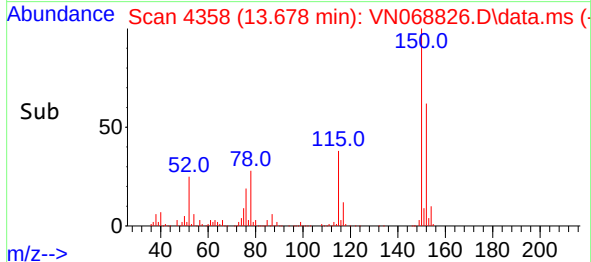
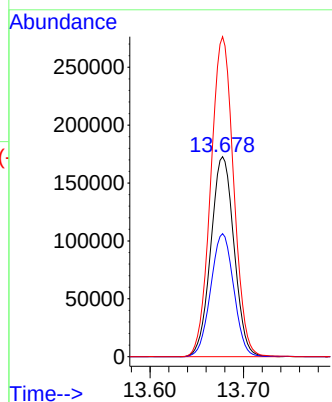


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
MSVOA_N
ClientSampled :
VNJ-207

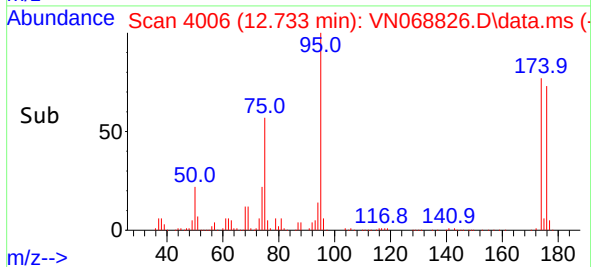
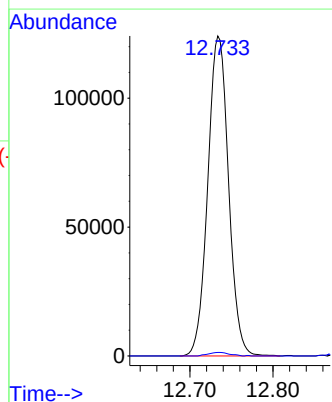
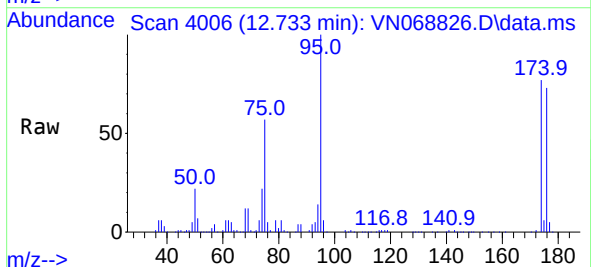


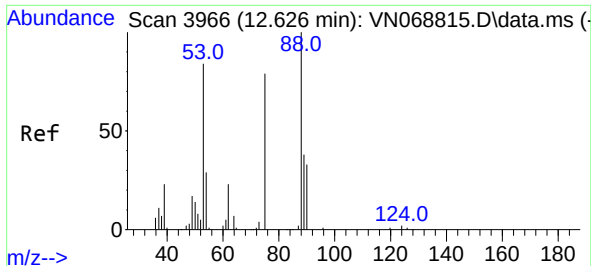
Tgt Ion:152 Resp: 298948
Ion Ratio Lower Upper
152 100
115 61.0 36.1 108.5
150 157.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 36.53 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion: 75 Resp: 215282
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

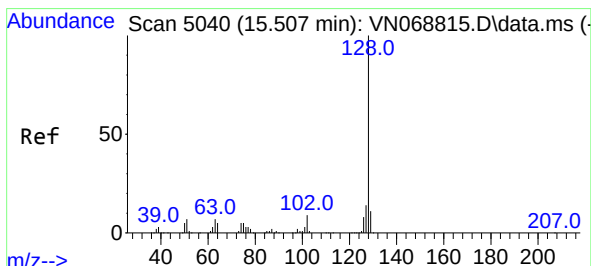
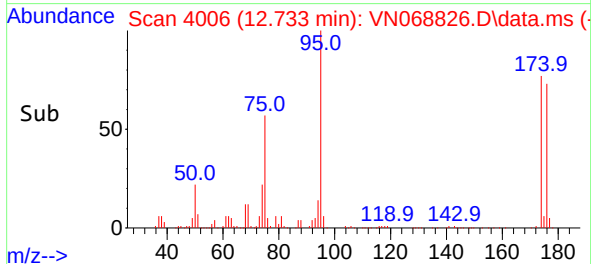
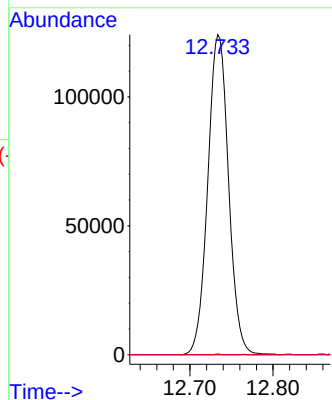
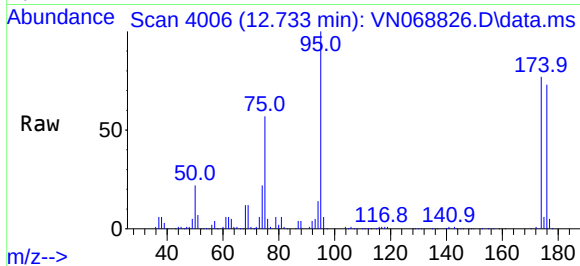




#81
trans-1,4-Dichloro-2-butene
Concen: 105.83 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :
VNJ-207

Tgt Ion: 75 Resp: 215282
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 0.22 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068826.D
Acq: 6 Oct 2021 18:40

Tgt Ion:128 Resp: 2661
Ion Ratio Lower Upper
128 100
127 5.9 10.6 15.8#
129 11.0 8.6 12.8

