

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077328.D
 Acq On : 13 Apr 2023 15:01
 Operator : JC\MD
 Sample : 02305-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-232

Quant Time: Apr 14 07:24:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

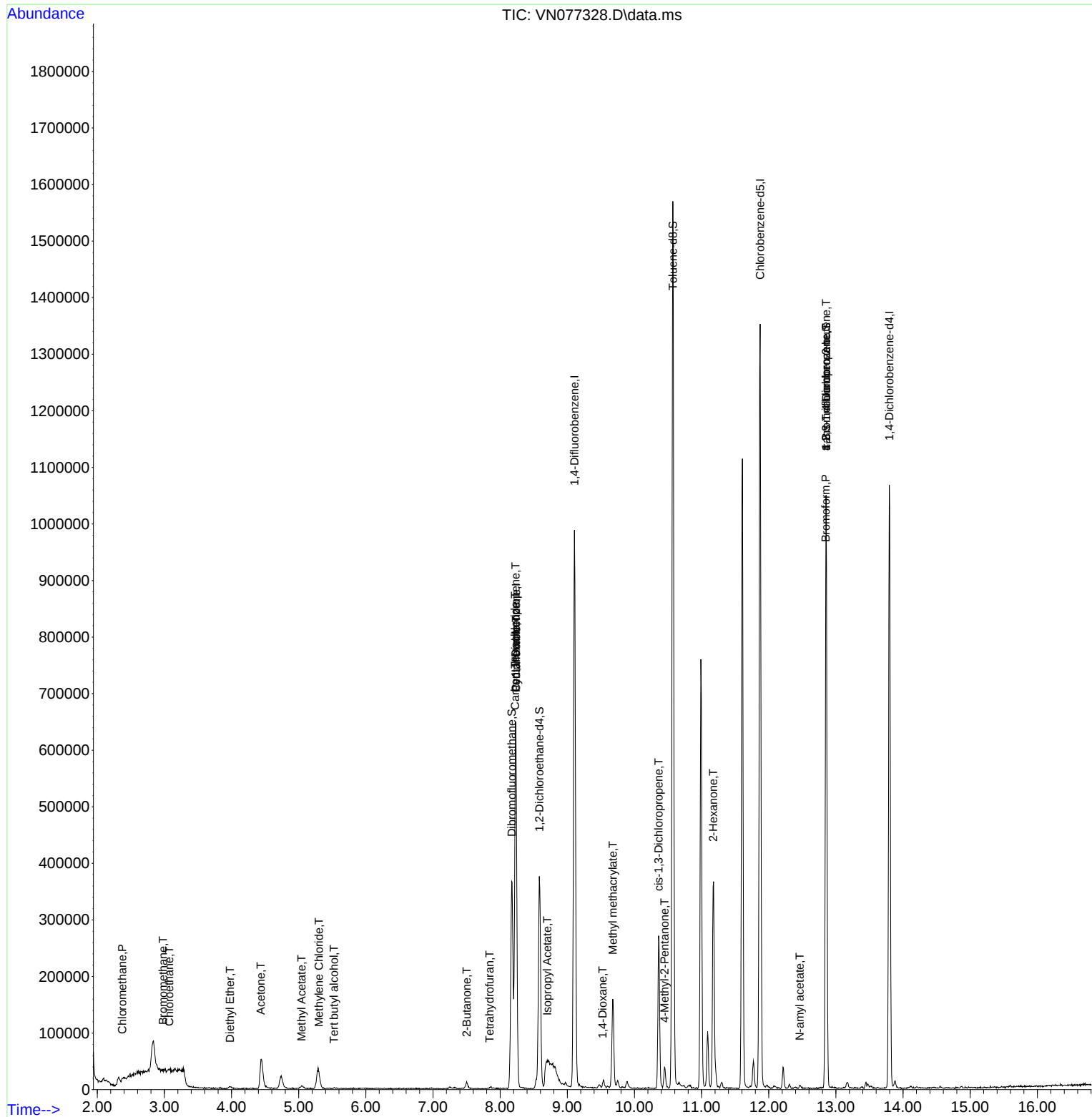
Internal Standards						
1) Pentafluorobenzene	8.236	168	467772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	897749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	805833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	292124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	290745	45.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.172	113	262957	45.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.500%		
50) Toluene-d8	10.572	98	1111048	48.022	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.854	95	365201	47.461	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.920%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1743	0.236	ug/l #	78
5) Bromomethane	2.978	94	2210	0.304	ug/l #	34
6) Chloroethane	3.072	64	2351	0.328	ug/l #	55
8) Diethyl Ether	3.978	74	1735	0.476	ug/l #	45
11) Tert butyl alcohol	5.525	59	526	0.403	ug/l #	35
16) Acetone	4.437	43	99129	42.054	ug/l	96
18) Methyl Acetate	5.042	43	9659	1.076	ug/l #	71
20) Methylene Chloride	5.301	84	30445	4.573	ug/l	95
25) 2-Butanone	7.501	43	15816	4.134	ug/l	100
29) Tetrahydrofuran	7.842	42	1426	0.580	ug/l #	25
31) Cyclohexane	8.236	56	11599	1.168	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	39848	4.688	ug/l #	50
38) Carbon Tetrachloride	8.225	117	52851	6.069	ug/l #	14
43) Isopropyl Acetate	8.701	43	71460	5.092	ug/l #	57
48) Methyl methacrylate	9.677	41	8103	1.354	ug/l #	39
49) 1,4-Dioxane	9.524	88	75	0.517	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	26202	3.230	ug/l	94
54) cis-1,3-Dichloropropene	10.360	75	56733	5.173	ug/l #	60
59) 2-Hexanone	11.171	43	271636	44.950	ug/l #	20
71) Bromoform	12.848	173	2247	0.476	ug/l #	1
74) N-amyl acetate	12.460	43	4382	0.408	ug/l #	49
76) 1,2,3-Trichloropropane	12.854	75	190108	27.329	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	190108	61.499	ug/l #	13

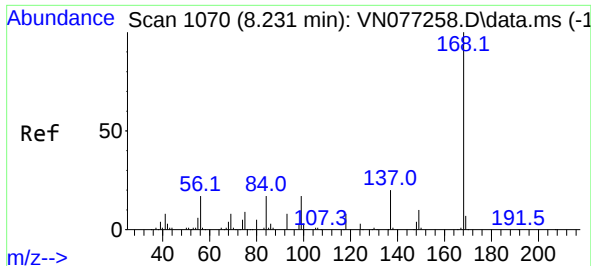
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

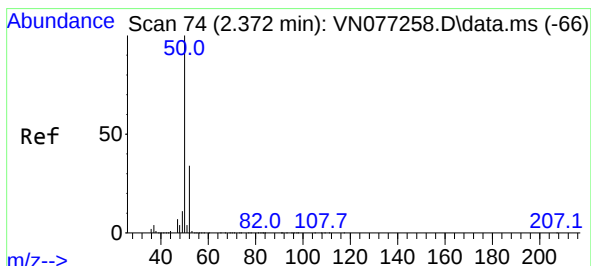
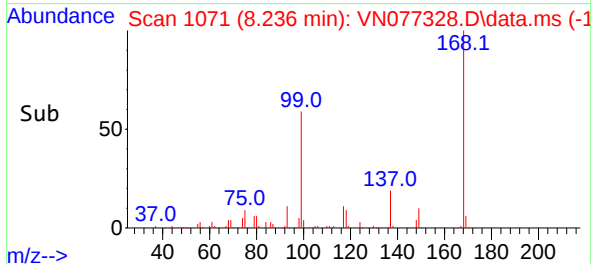
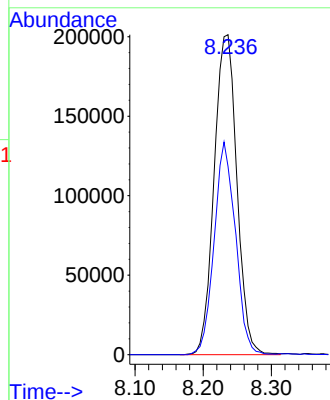
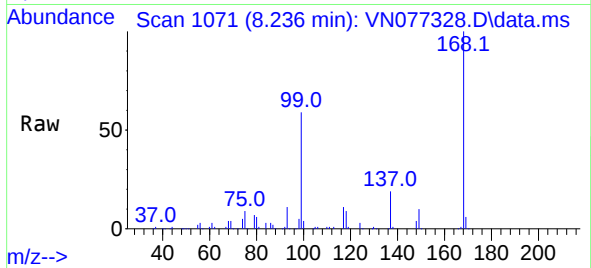




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

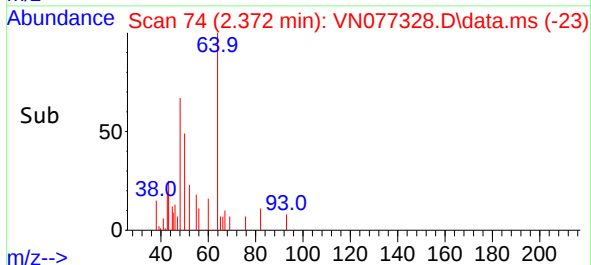
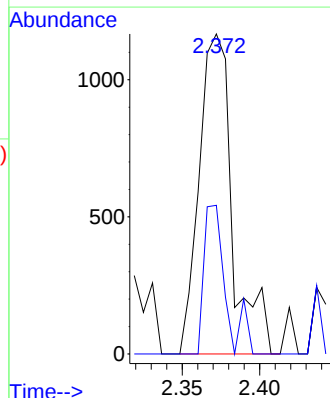
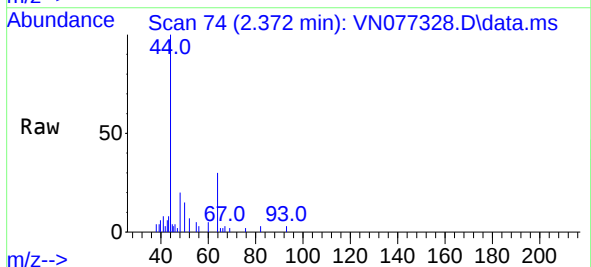
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

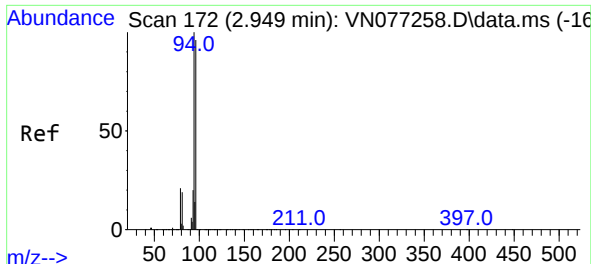
Tgt Ion:168 Resp: 467772
Ion Ratio Lower Upper
168 100
99 58.8 50.6 75.8



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 50 Resp: 1743
Ion Ratio Lower Upper
50 100
52 46.4 27.3 40.9#

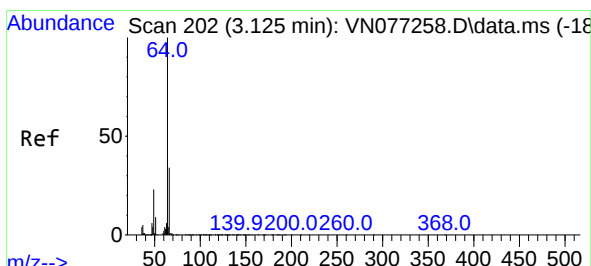
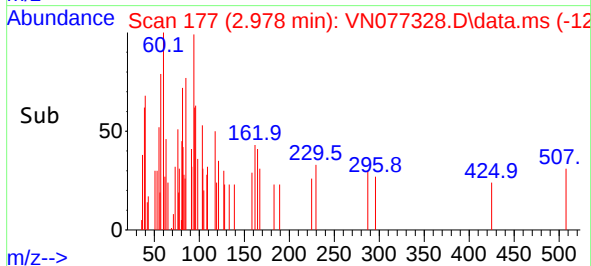
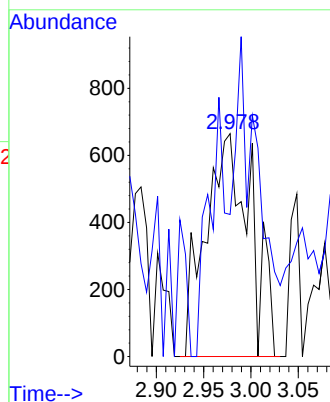
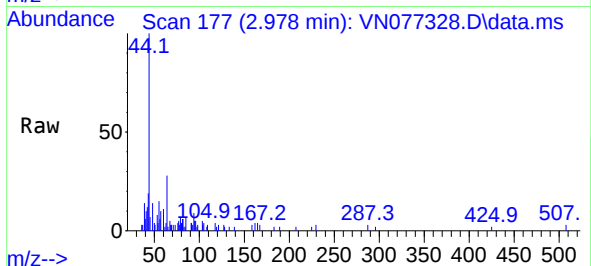




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

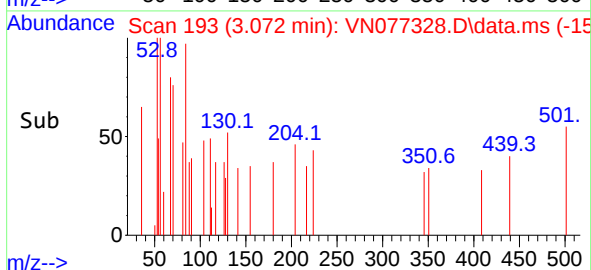
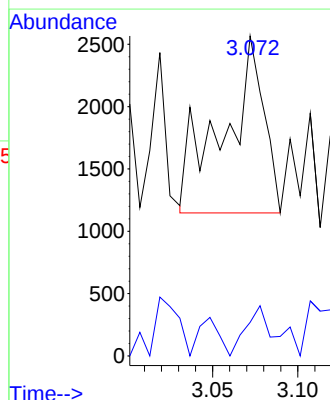
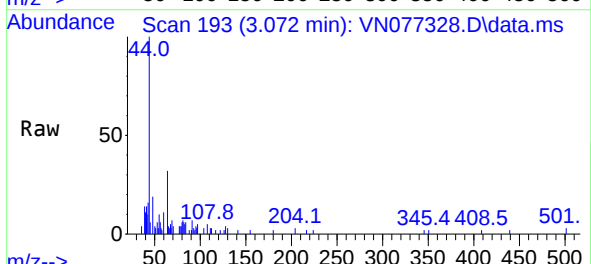
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

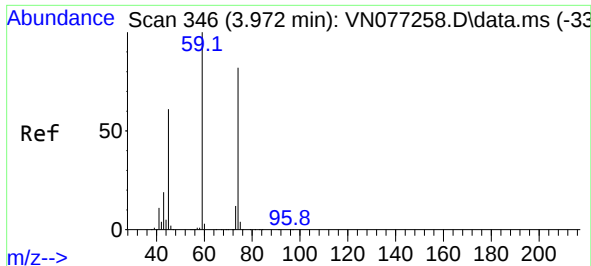
Tgt Ion: 94 Resp: 2210
Ion Ratio Lower Upper
94 100
96 31.9 77.0 115.4#



#6
Chloroethane
Concen: 0.328 ug/l
RT: 3.072 min Scan# 193
Delta R.T. -0.053 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 64 Resp: 2351
Ion Ratio Lower Upper
64 100
66 8.0 26.9 40.3#

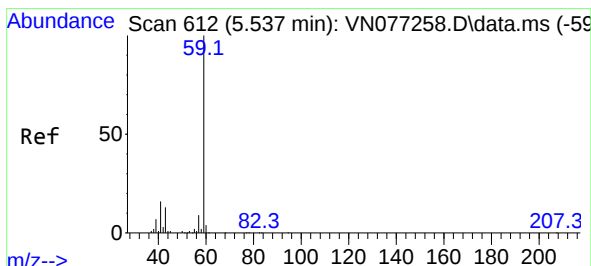
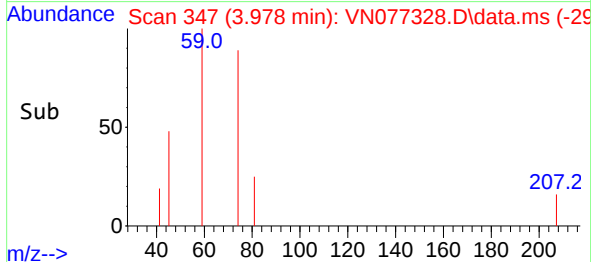
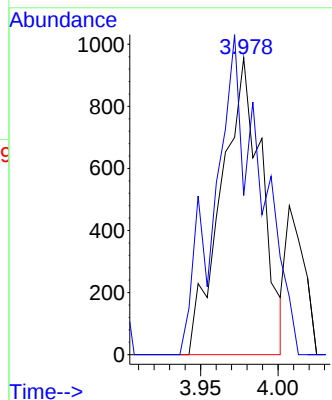
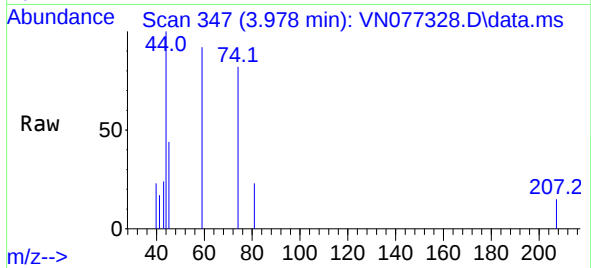




#8
Diethyl Ether
Concen: 0.476 ug/l
RT: 3.978 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

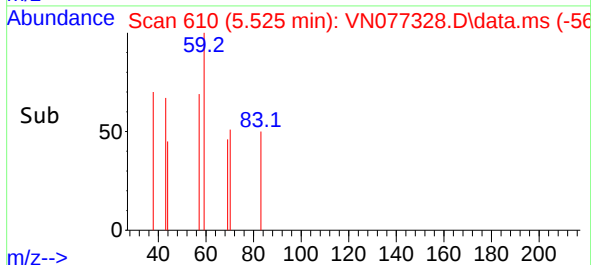
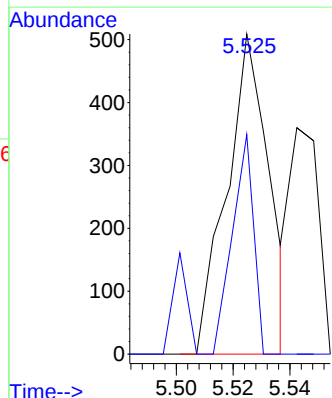
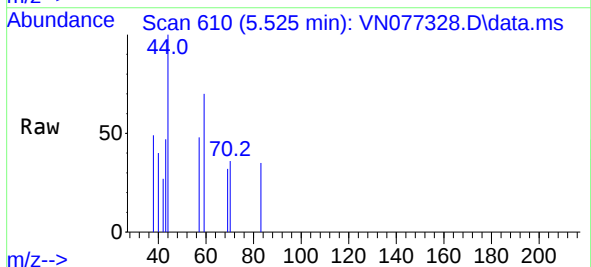
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

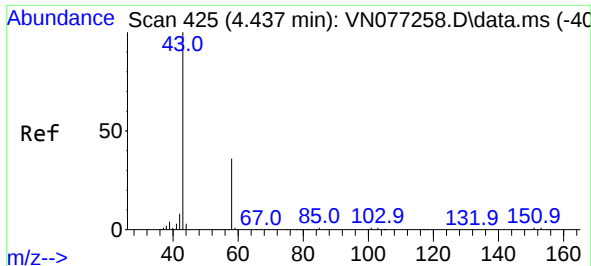
Tgt Ion: 74 Resp: 1735
Ion Ratio Lower Upper
74 100
45 123.0 37.8 113.4#



#11
Tert butyl alcohol
Concen: 0.403 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 59 Resp: 526
Ion Ratio Lower Upper
59 100
57 34.8 8.3 12.5#

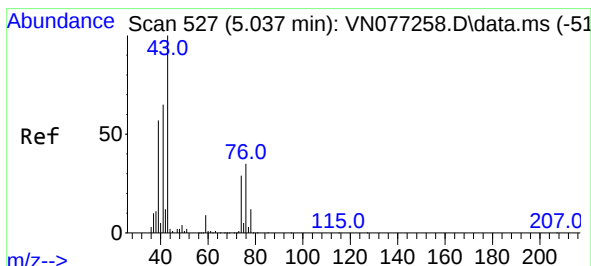
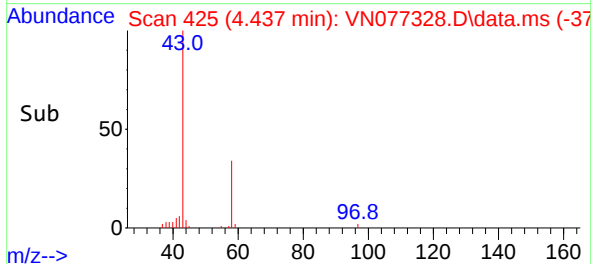
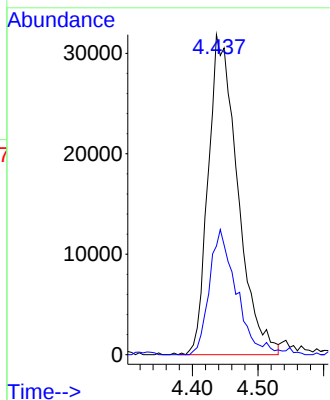
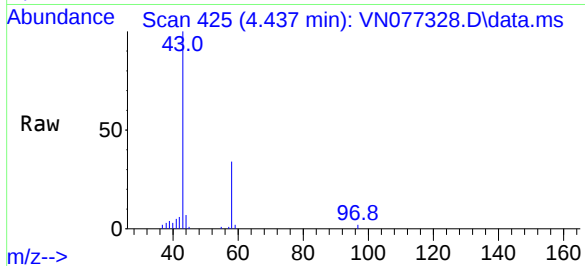




#16
Acetone
Concen: 42.054 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

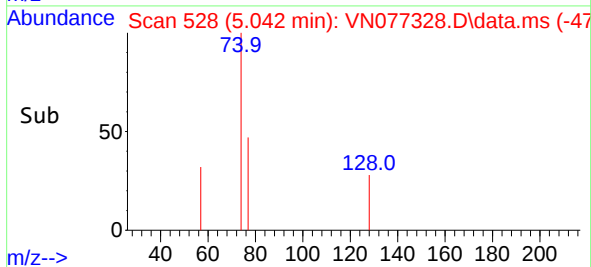
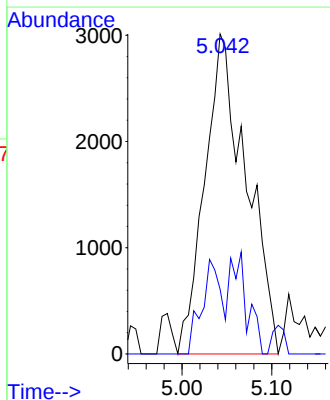
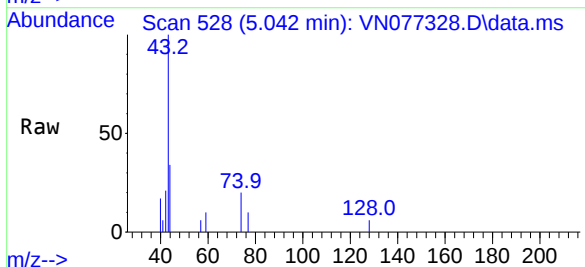
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

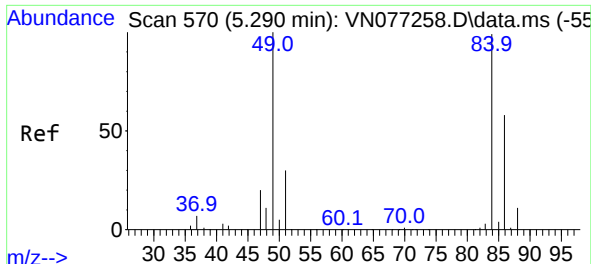
Tgt Ion: 43 Resp: 99129
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6



#18
Methyl Acetate
Concen: 1.076 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.005 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 9659
Ion Ratio Lower Upper
43 100
74 13.9 23.4 35.2#



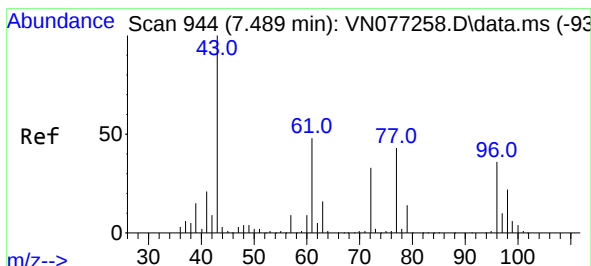
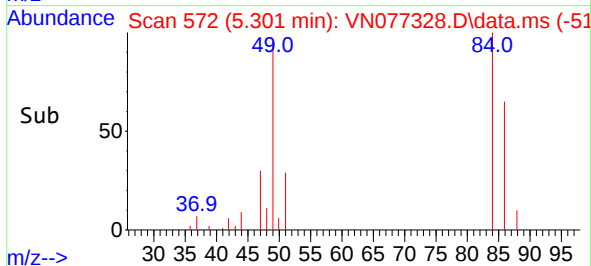
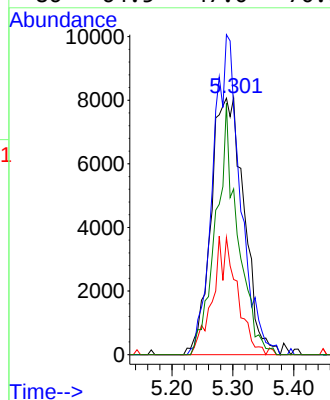
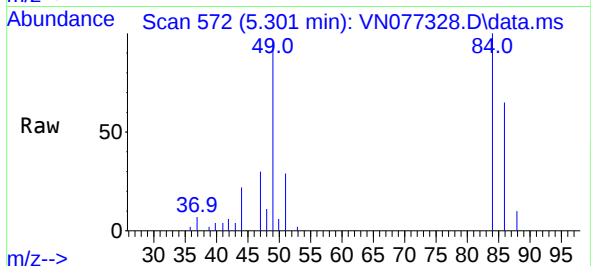


#20
Methylene Chloride
Concen: 4.573 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

Tgt Ion: 84 Resp: 30445

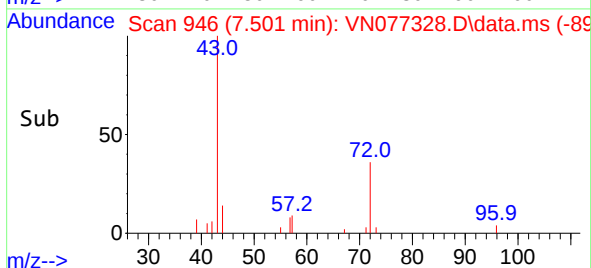
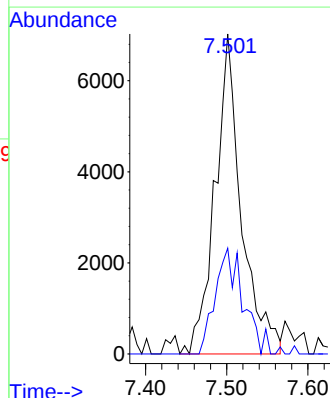
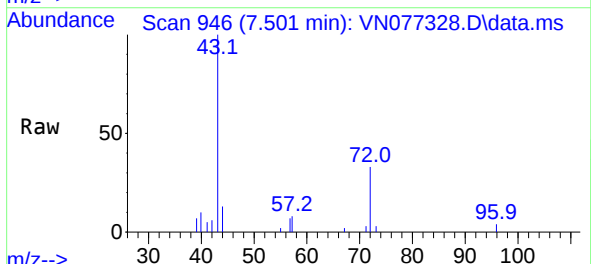
Ion	Ratio	Lower	Upper
84	100		
49	95.9	80.6	121.0
51	29.3	24.4	36.6
86	64.5	47.0	70.6

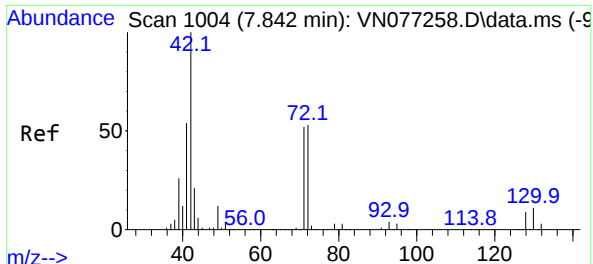


#25
2-Butanone
Concen: 4.134 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 15816

Ion	Ratio	Lower	Upper
43	100		
72	33.0	26.6	39.8





#29

Tetrahydrofuran

Concen: 0.580 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

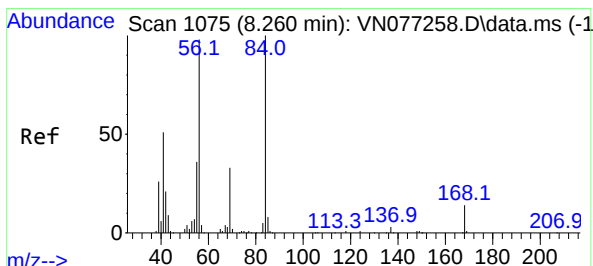
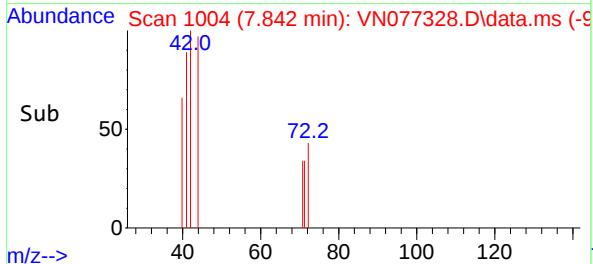
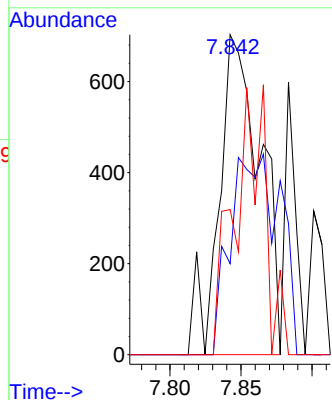
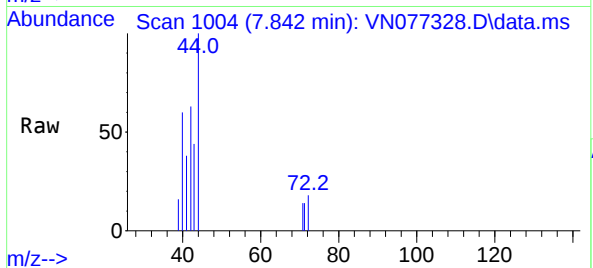
Tgt Ion: 42 Resp: 1426

Ion Ratio Lower Upper

42 100

72 0.0 44.6 66.8#

71 0.0 41.3 61.9#



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.024 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

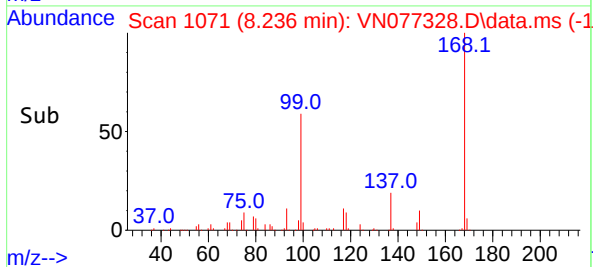
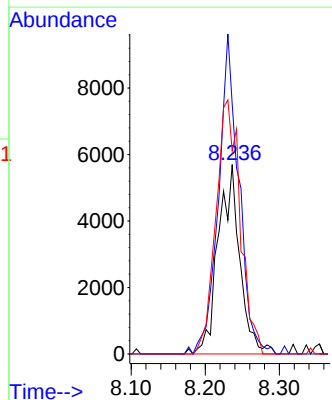
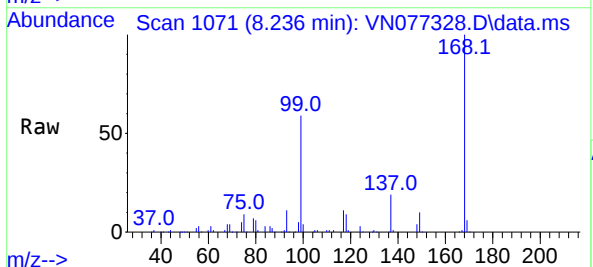
Tgt Ion: 56 Resp: 11599

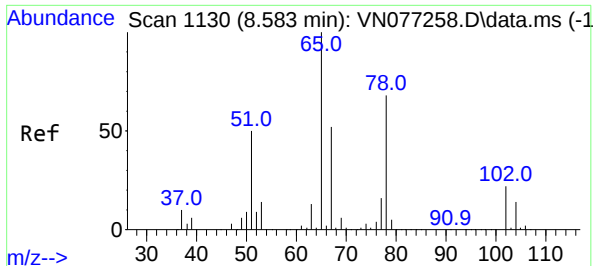
Ion Ratio Lower Upper

56 100

69 131.8 26.6 40.0#

84 107.1 81.8 122.8





#33

1,2-Dichloroethane-d4

Concen: 45.477 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

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ClientSampleId :

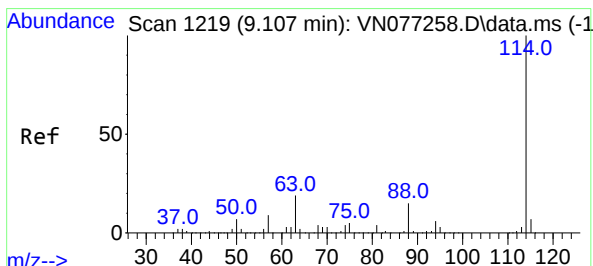
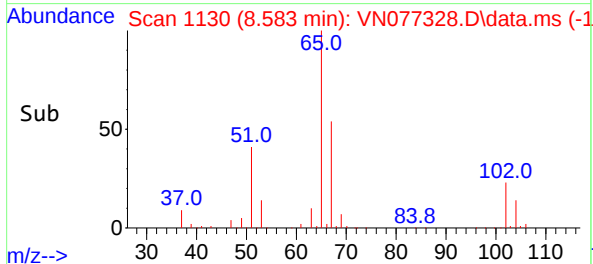
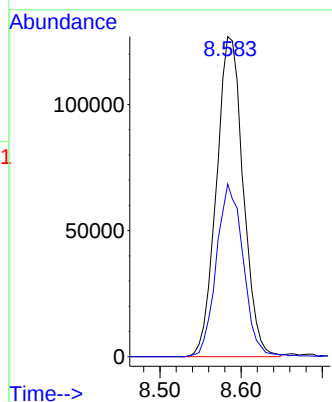
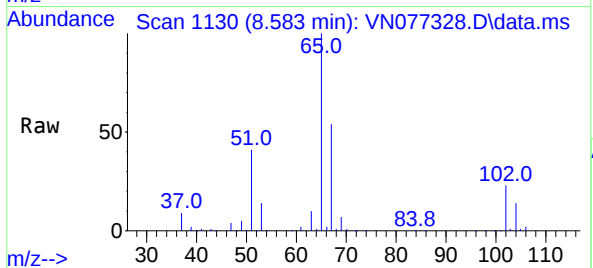
VNJ-232

Tgt Ion: 65 Resp: 290745

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

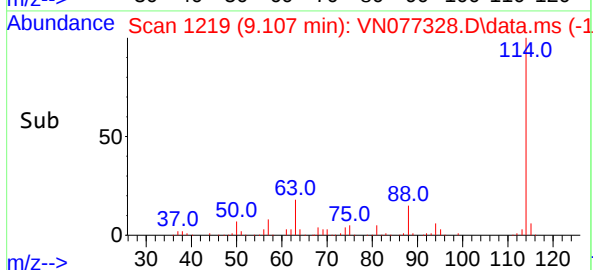
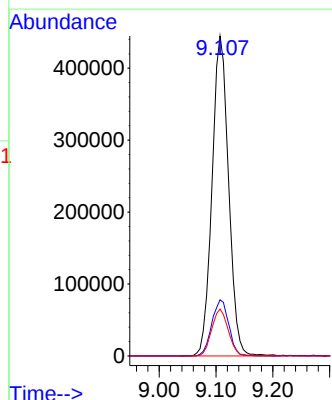
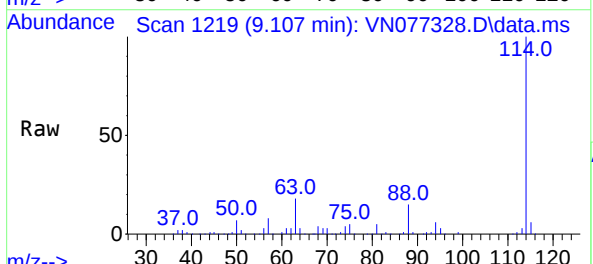
Tgt Ion: 114 Resp: 897749

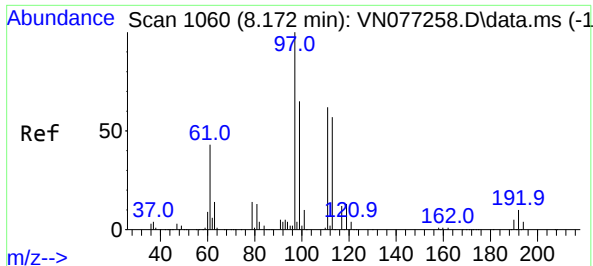
Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.8

88 14.6 0.0 29.4

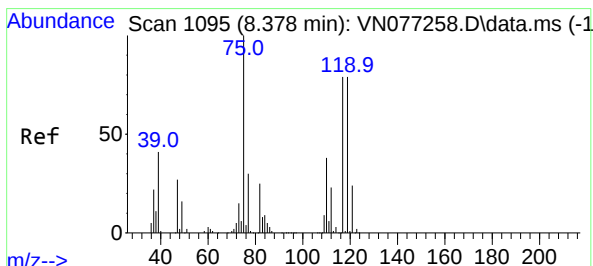
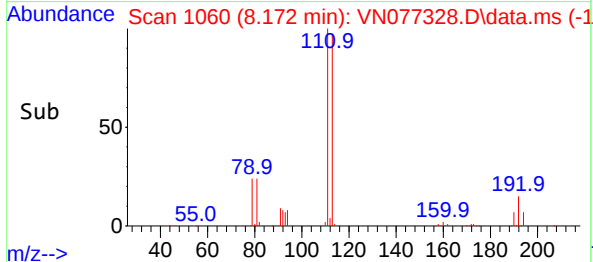
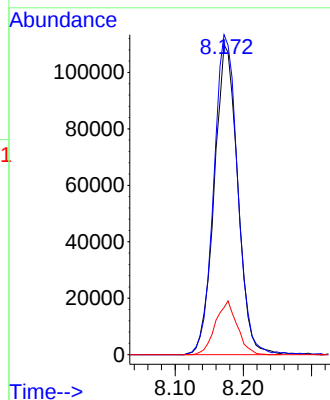
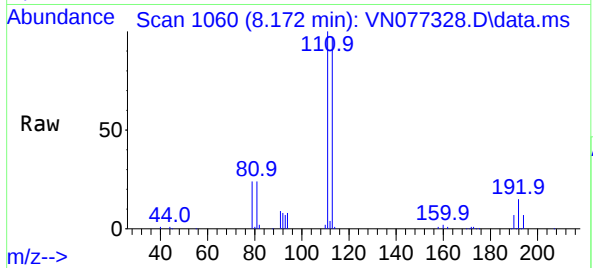




#35
Dibromofluoromethane
Concen: 45.755 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

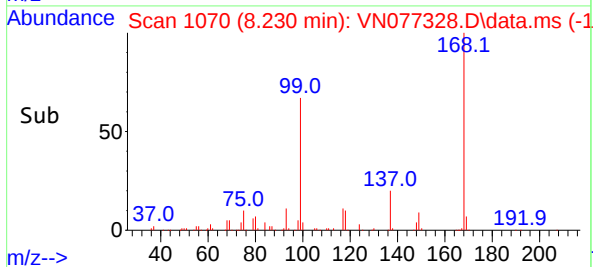
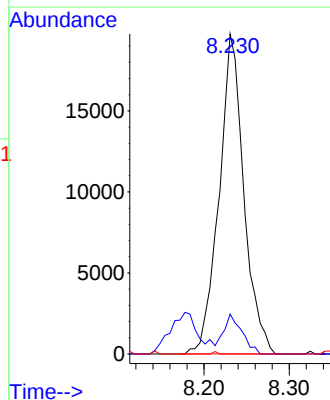
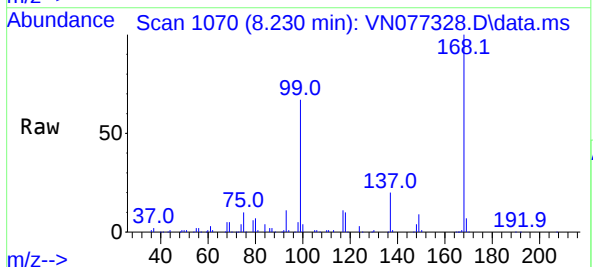
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

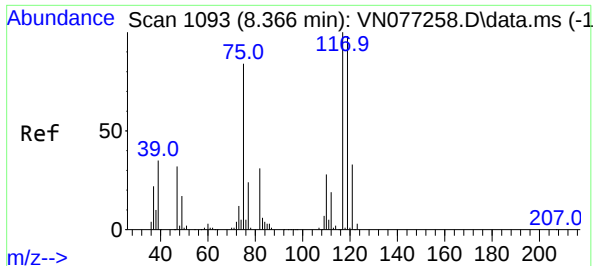
Tgt Ion:113 Resp: 262957
Ion Ratio Lower Upper
113 100
111 104.6 83.4 125.0
192 16.1 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 75 Resp: 39848
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.1 25.0 37.4#

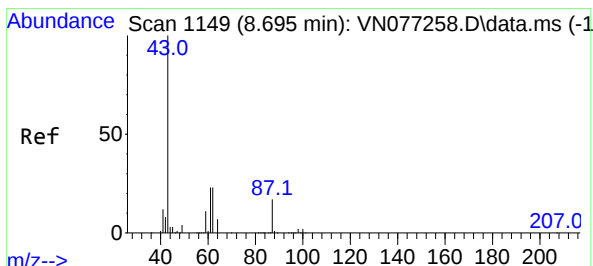
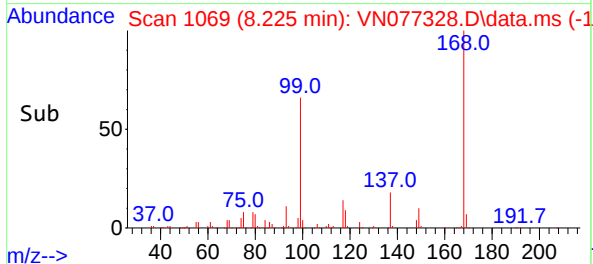
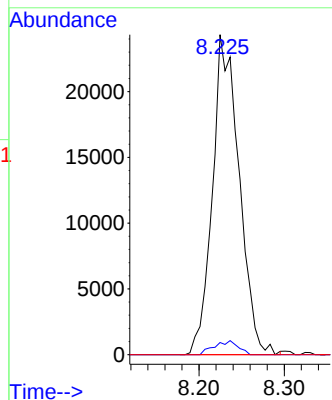
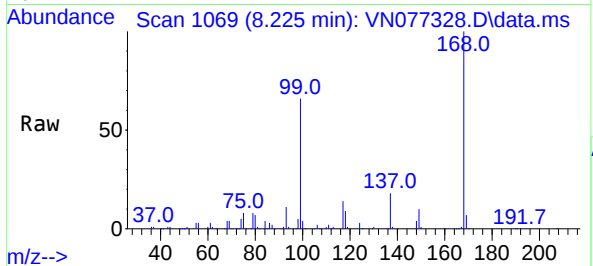




#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 8.225 min Scan# 1100
Delta R.T. -0.141 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

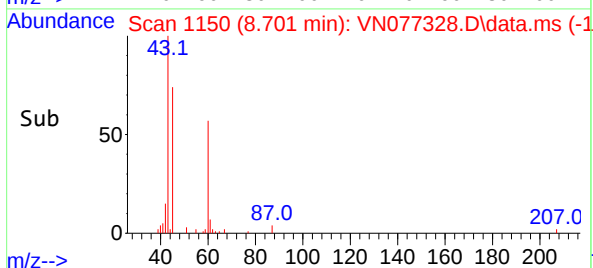
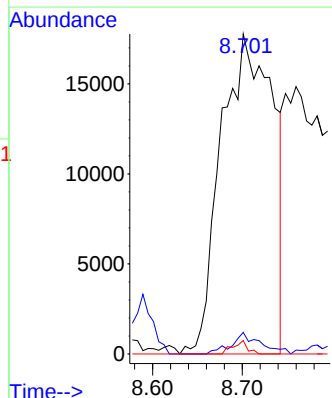
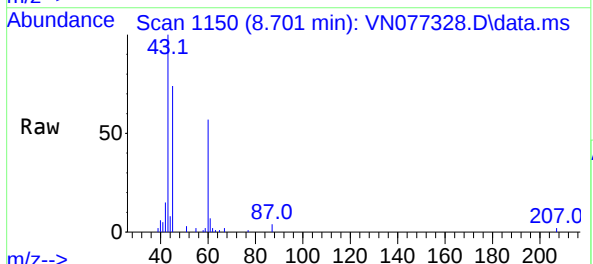
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

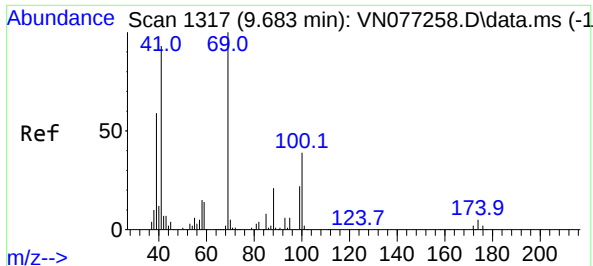
Tgt Ion: 117 Resp: 52851
Ion Ratio Lower Upper
117 100
119 3.8 78.5 117.7#
121 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 5.092 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 71460
Ion Ratio Lower Upper
43 100
61 3.7 22.7 34.1#
87 1.2 13.6 20.4#





#48

Methyl methacrylate

Concen: 1.354 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

Instrument :

MSVOA_N

ClientSampleId :

VNJ-232

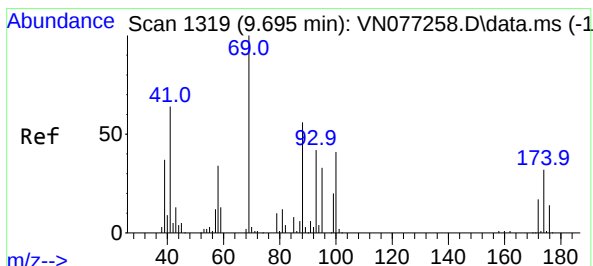
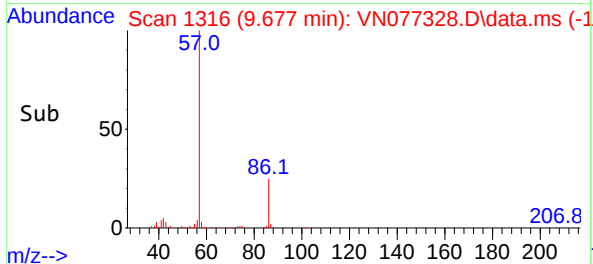
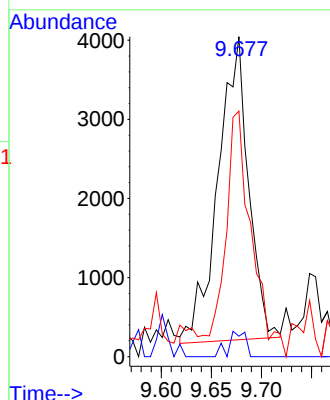
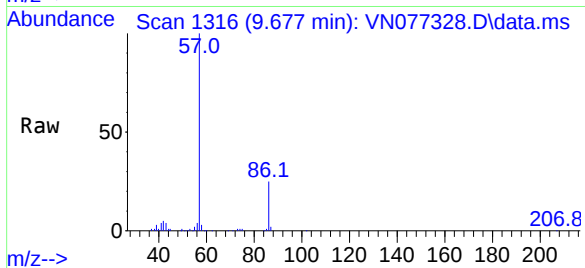
Tgt Ion: 41 Resp: 8103

Ion Ratio Lower Upper

41 100

69 4.6 85.0 127.6#

39 68.1 53.5 80.3



#49

1,4-Dioxane

Concen: 0.517 ug/l

RT: 9.524 min Scan# 1290

Delta R.T. -0.171 min

Lab File: VN077328.D

Acq: 13 Apr 2023 15:01

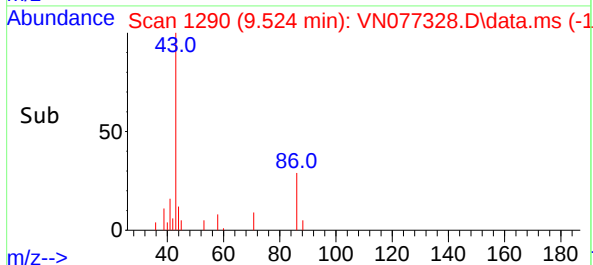
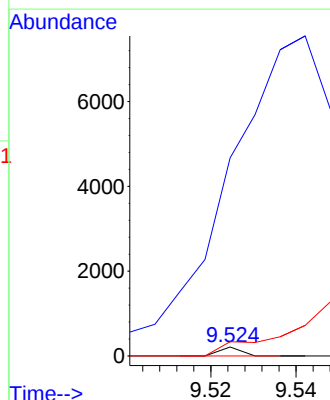
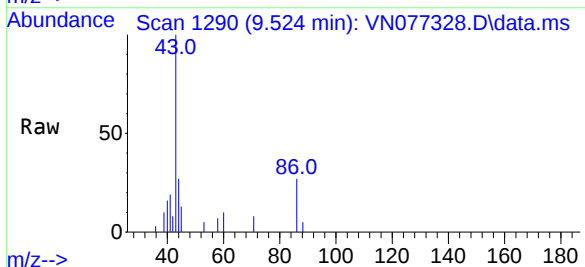
Tgt Ion: 88 Resp: 75

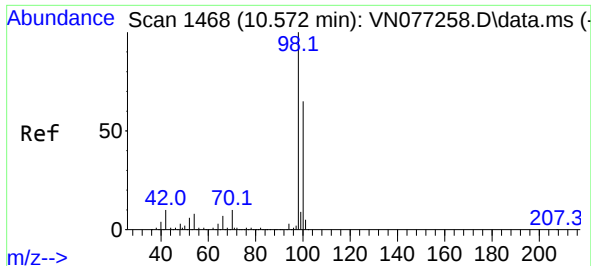
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 49.8 74.6#

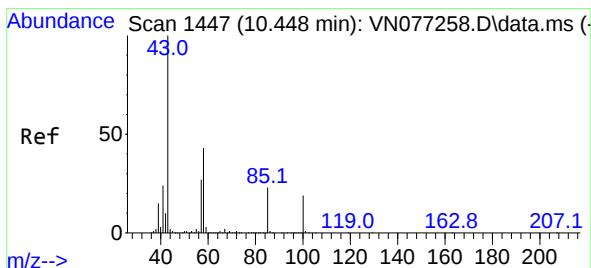
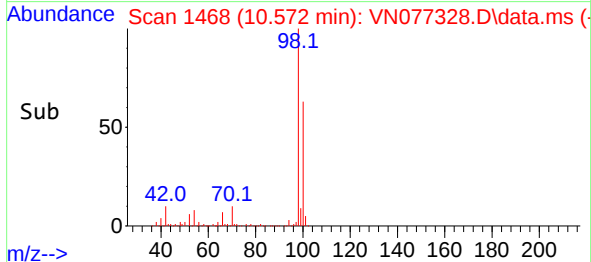
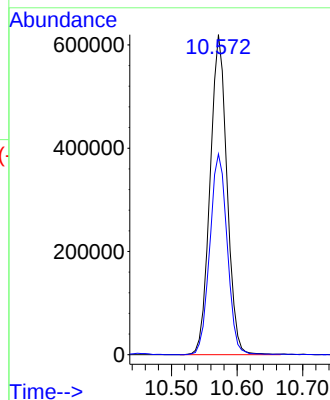
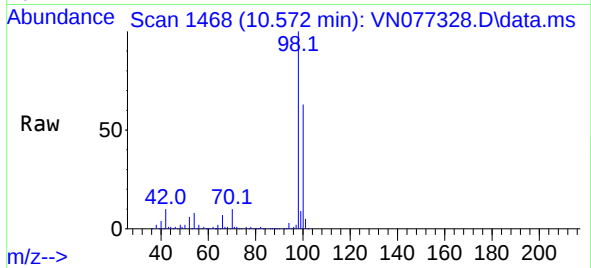




#50
Toluene-d8
Concen: 48.022 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

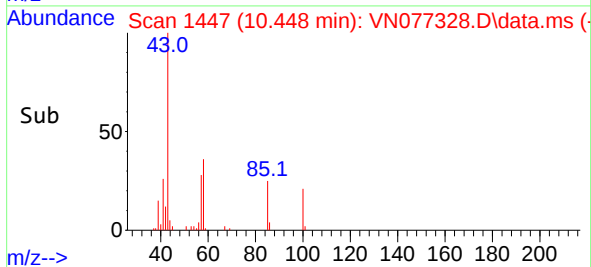
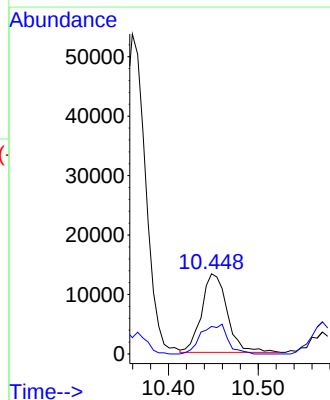
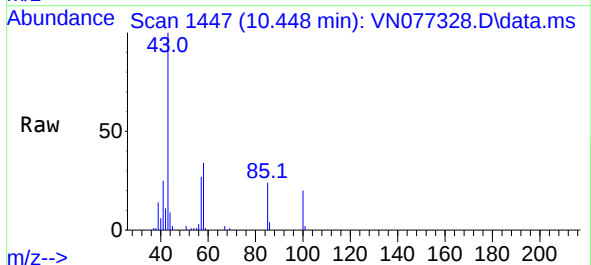
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

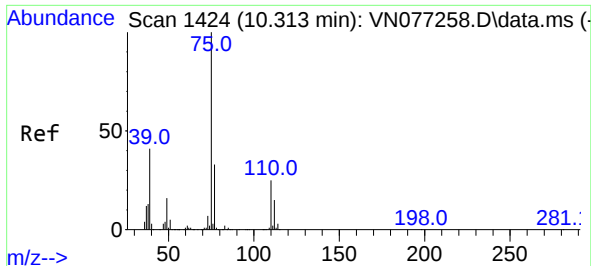
Tgt Ion: 98 Resp: 1111048
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 3.230 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 26202
Ion Ratio Lower Upper
43 100
58 39.2 34.6 52.0

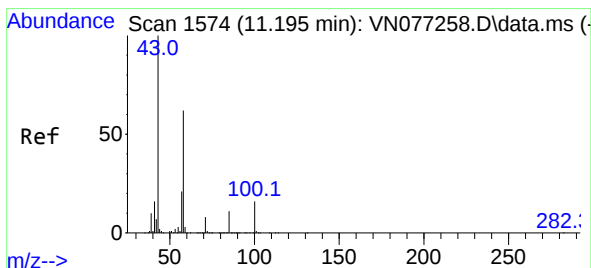
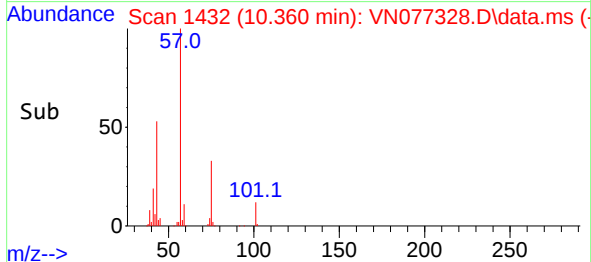
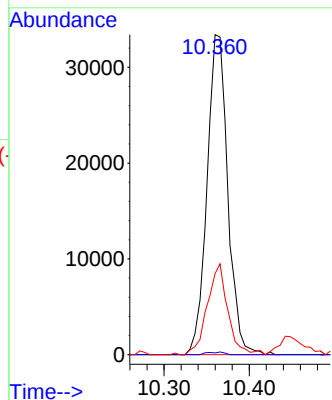
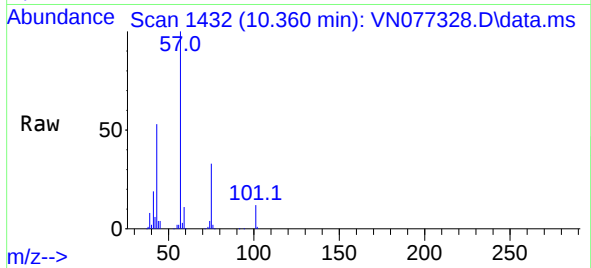




#54
cis-1,3-Dichloropropene
Concen: 5.173 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

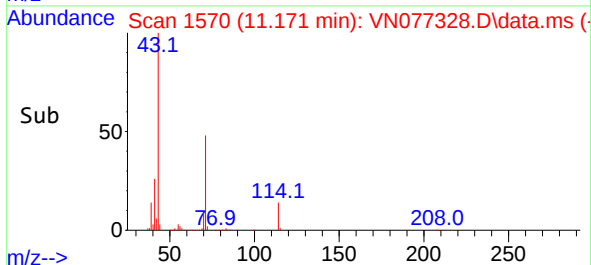
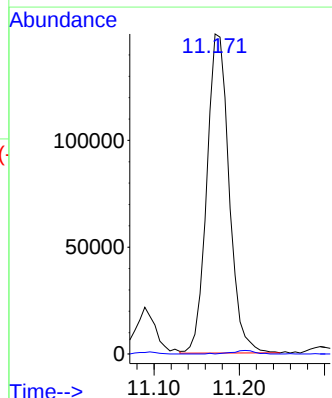
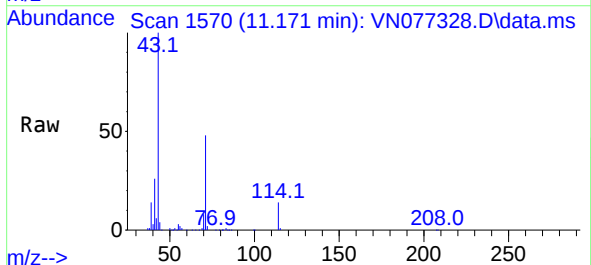
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

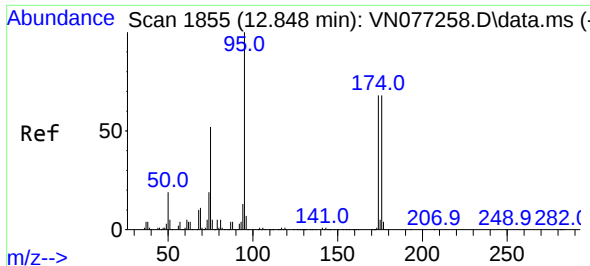
Tgt Ion: 75 Resp: 56733
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 25.3 32.8 49.2#



#59
2-Hexanone
Concen: 44.950 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 271636
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

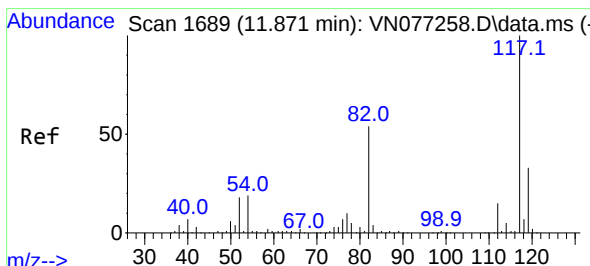
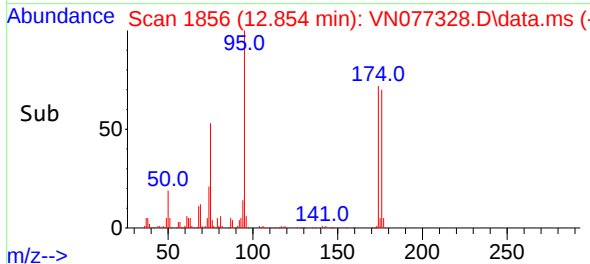
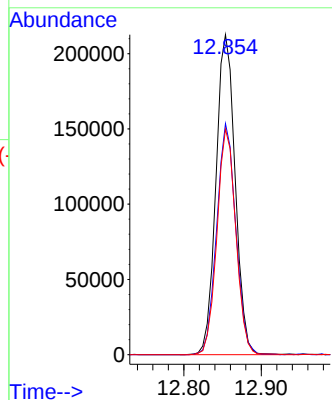
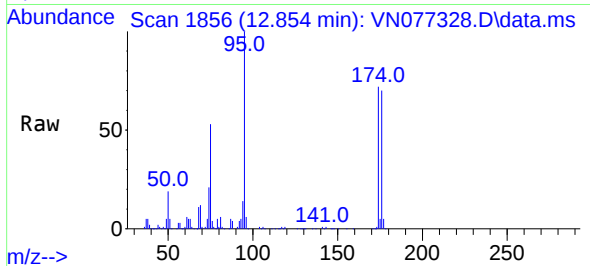




#62
4-Bromofluorobenzene
Concen: 47.461 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

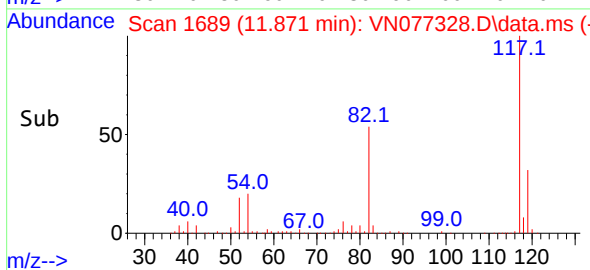
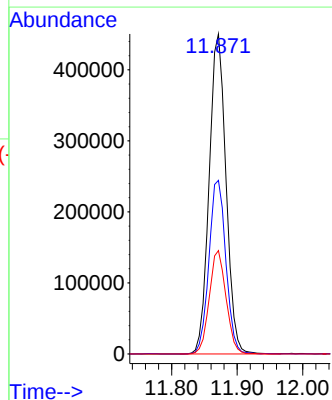
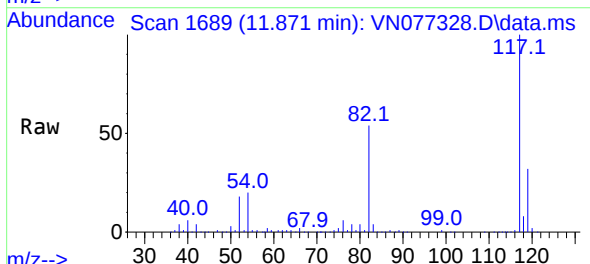
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

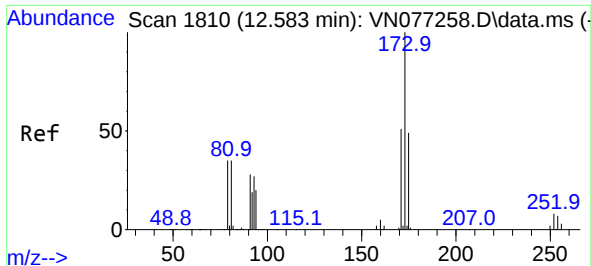
Tgt Ion: 95 Resp: 365201
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.8
176 69.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 117 Resp: 805833
Ion Ratio Lower Upper
117 100
82 54.3 42.9 64.3
119 32.3 26.2 39.4

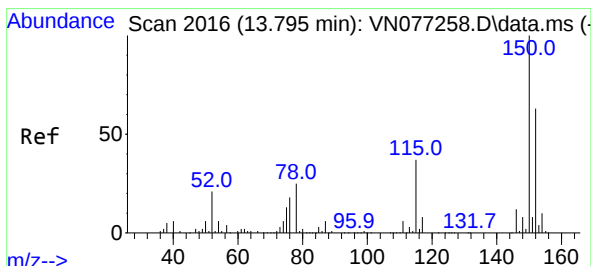
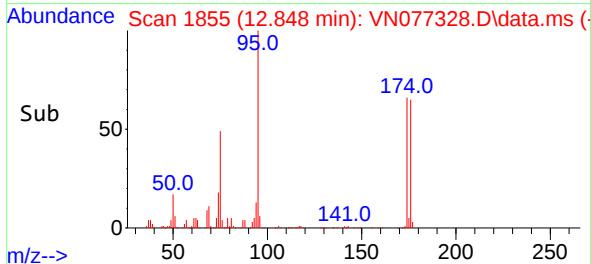
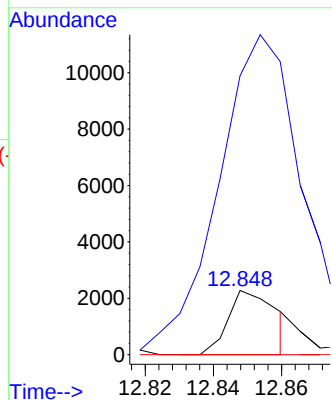
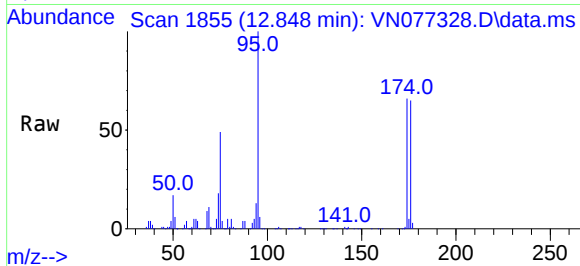




#71
Bromoform
Concen: 0.476 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

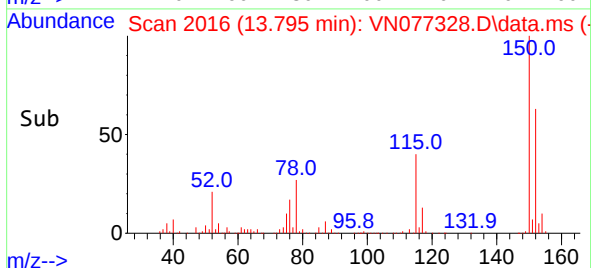
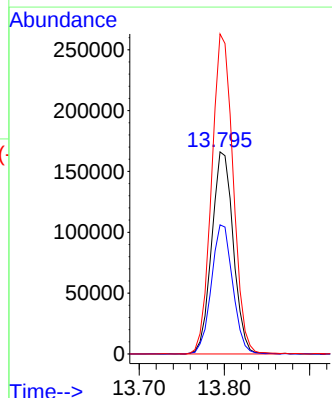
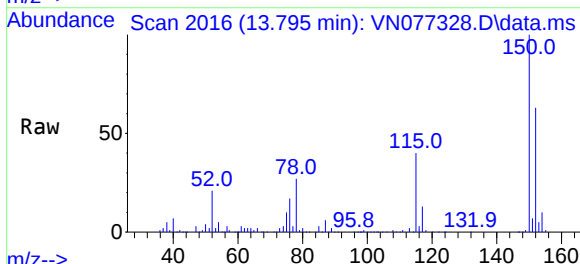
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

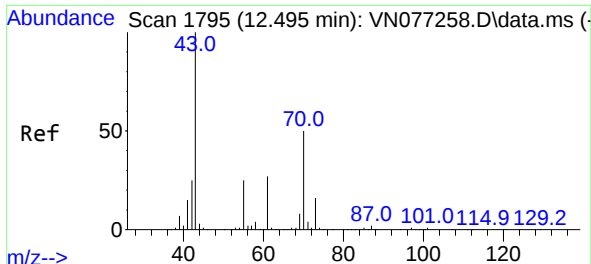
Tgt Ion:173 Resp: 2247
Ion Ratio Lower Upper
173 100
175 681.8 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Tgt Ion:152 Resp: 292124
Ion Ratio Lower Upper
152 100
115 63.2 32.1 96.3
150 157.8 0.0 354.8

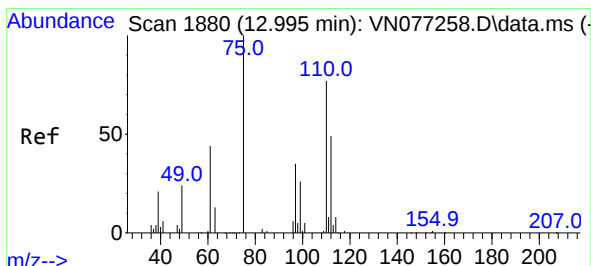
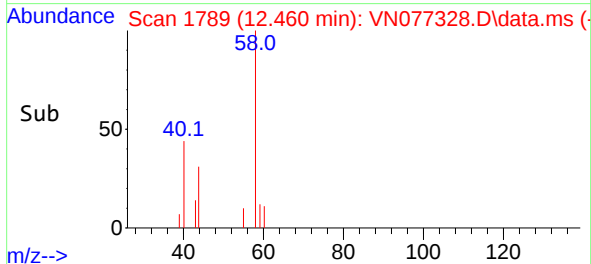
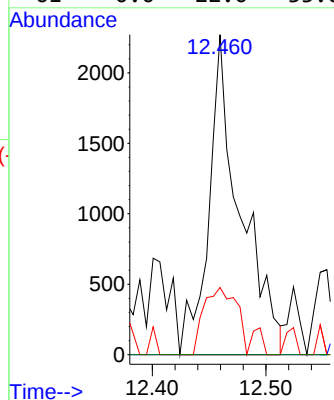
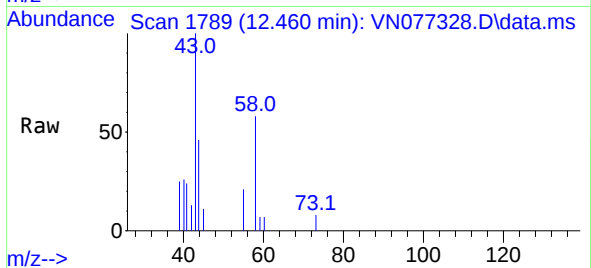




#74
N-amy1 acetate
Concen: 0.408 ug/l
RT: 12.460 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

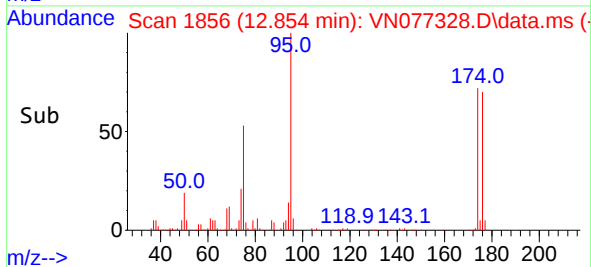
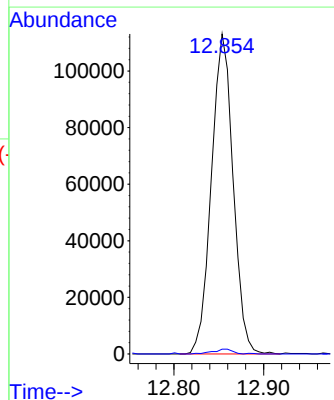
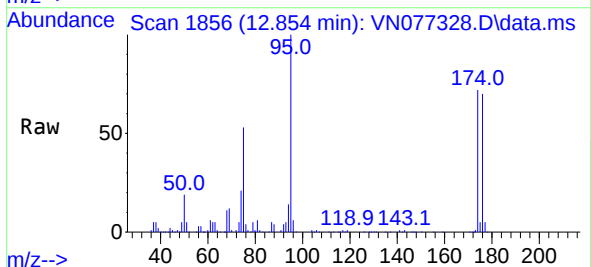
Instrument :
MSVOA_N
ClientSampleId :
VNJ-232

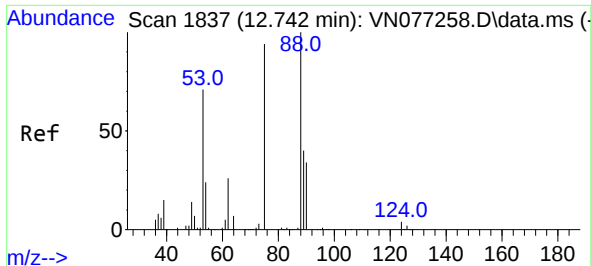
Tgt Ion:	43	Resp:	4382
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.6#
55	24.6	19.3	28.9
61	0.0	22.0	33.0#



#76
1,2,3-Trichloropropane
Concen: 27.329 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

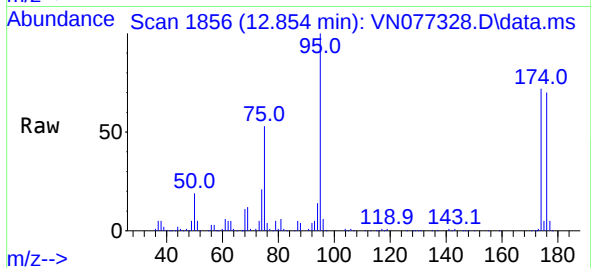
Tgt Ion:	75	Resp:	190108
Ion	Ratio	Lower	Upper
75	100		
77	1.3	88.3	264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.499 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077328.D
Acq: 13 Apr 2023 15:01

Instrument :
MSVOA_N
ClientSampleId :
VNJ-232



Tgt Ion: 75 Resp: 190108
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.1 37.4 56.2#

