

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022723\
 Data File : VN076815.D
 Acq On : 27 Feb 2023 10:16
 Operator : JC\MD
 Sample : VN0227MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227MBL01

Quant Time: Feb 28 01:49:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

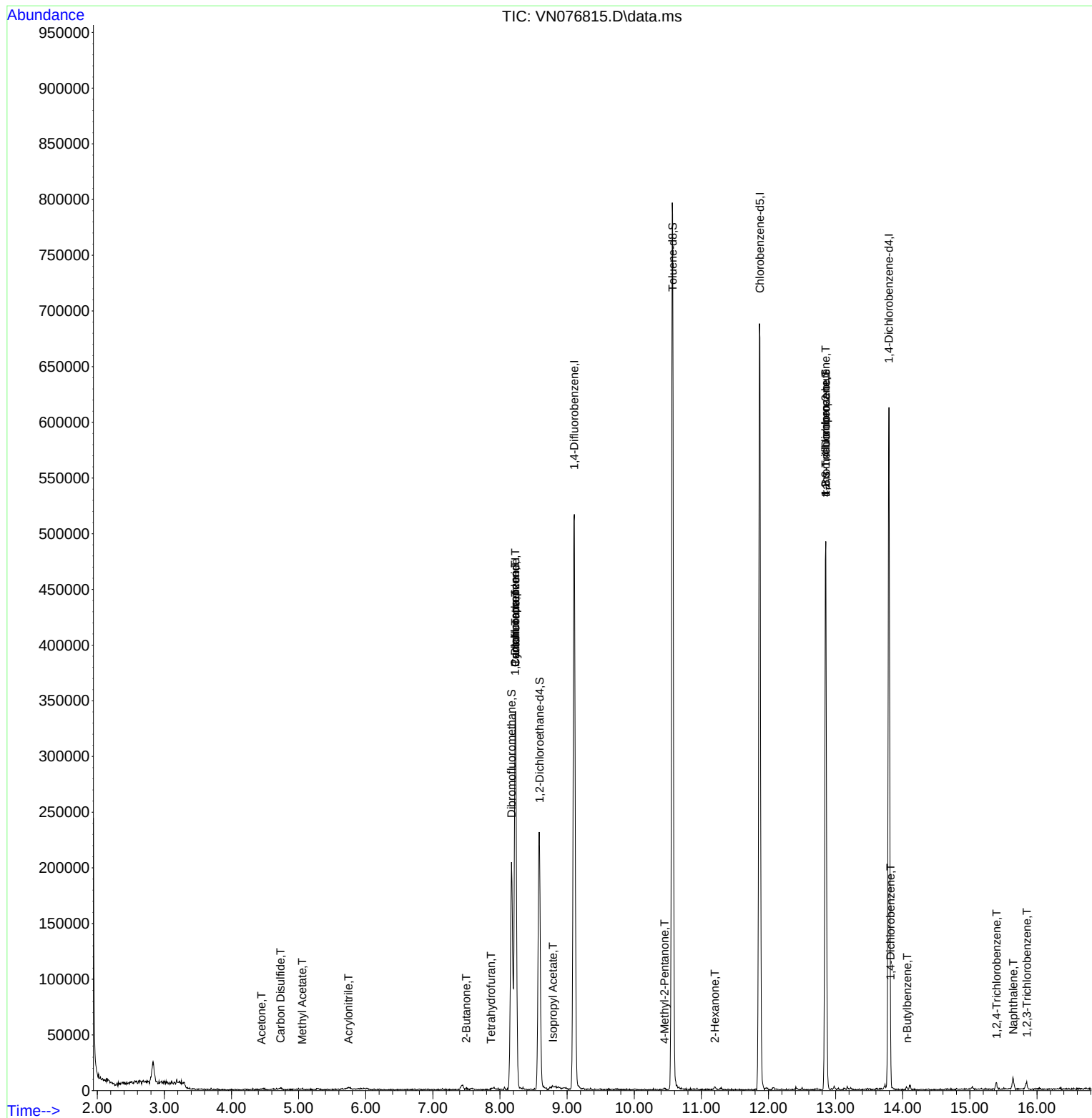
Internal Standards						
1) Pentafluorobenzene	8.231	168	244556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	444523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	381626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	147118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	183242	54.262	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.520%	
35) Dibromofluoromethane	8.172	113	139939	48.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.140%	
50) Toluene-d8	10.572	98	533897	49.109	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.220%	
62) 4-Bromofluorobenzene	12.854	95	153431	42.611	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.220%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.742	53	1740	1.100	ug/l #	62
16) Acetone	4.448	43	671	0.445	ug/l #	42
17) Carbon Disulfide	4.731	76	2049	0.307	ug/l #	73
18) Methyl Acetate	5.054	43	1260	0.256	ug/l #	54
25) 2-Butanone	7.495	43	760	0.342	ug/l #	51
29) Tetrahydrofuran	7.866	42	593	0.408	ug/l #	65
31) Cyclohexane	8.231	56	6160	1.163	ug/l #	22
36) 1,1-Dichloropropene	8.225	75	22479	5.344	ug/l #	44
38) Carbon Tetrachloride	8.231	117	27319	6.439	ug/l #	17
43) Isopropyl Acetate	8.789	43	3725	0.517	ug/l #	56
51) 4-Methyl-2-Pentanone	10.454	43	1319	0.288	ug/l #	65
59) 2-Hexanone	11.201	43	2296	0.695	ug/l	78
76) 1,2,3-Trichloropropane	12.854	75	88802	29.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	88802	86.959	ug/l #	4
88) 1,4-Dichlorobenzene	13.818	146	2053	0.405	ug/l #	24
89) n-Butylbenzene	14.065	91	1671	0.214	ug/l	80
93) 1,2,4-Trichlorobenzene	15.401	180	2606	1.002	ug/l	70
95) Naphthalene	15.648	128	9405	1.192	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.848	180	2610	1.036	ug/l	84

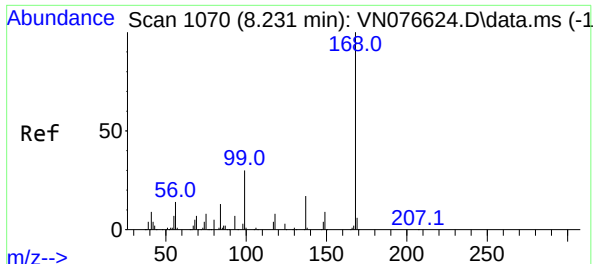
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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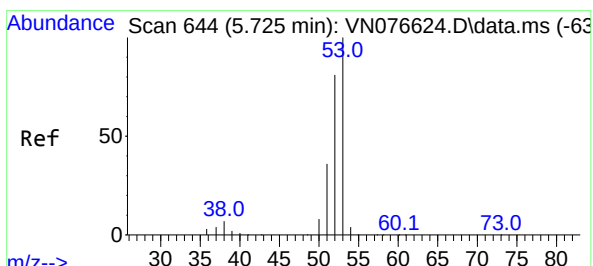
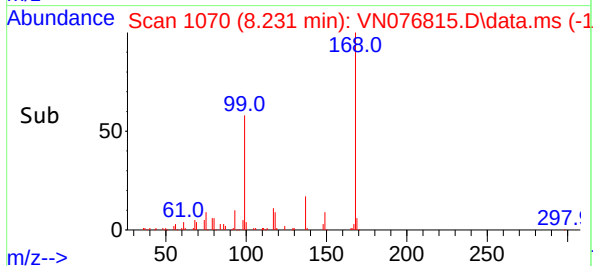
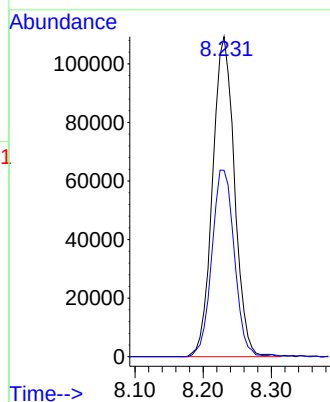
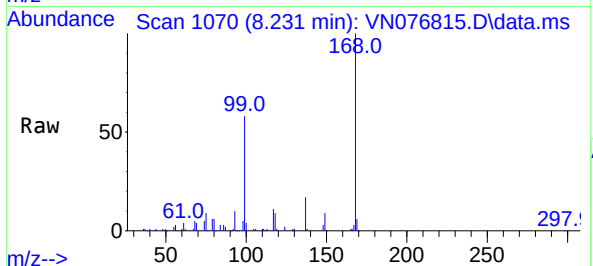




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

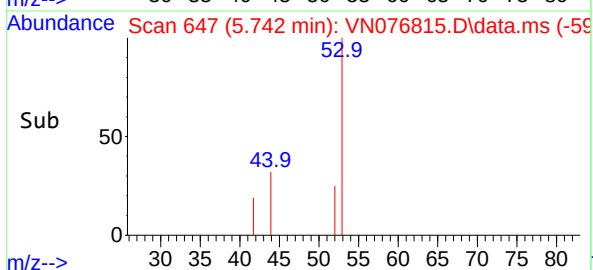
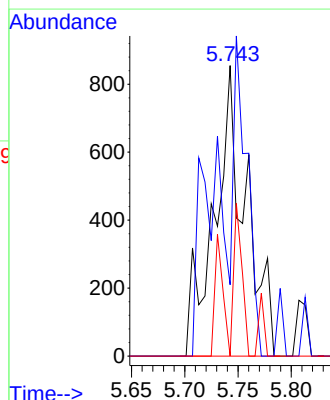
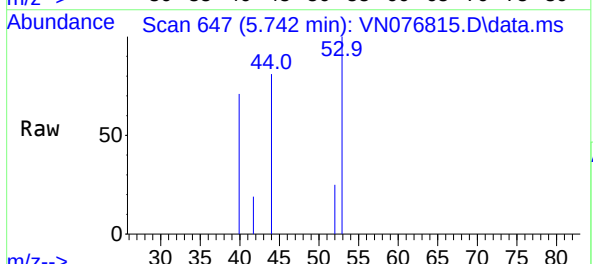
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

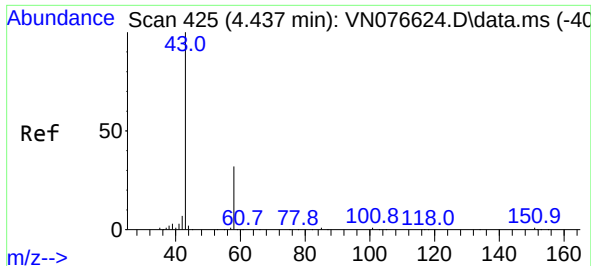
Tgt Ion:168 Resp: 244556
Ion Ratio Lower Upper
168 100
99 58.3 44.8 67.2



#15
Acrylonitrile
Concen: 1.100 ug/l
RT: 5.742 min Scan# 647
Delta R.T. 0.018 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 53 Resp: 1740
Ion Ratio Lower Upper
53 100
52 47.4 65.3 97.9#
51 14.0 29.2 43.8#

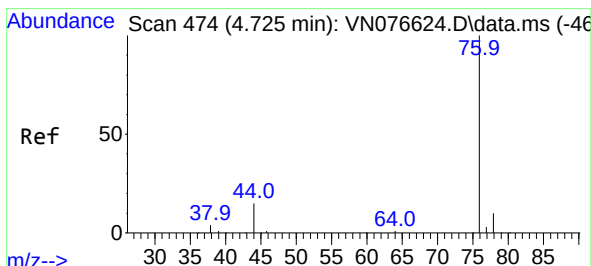
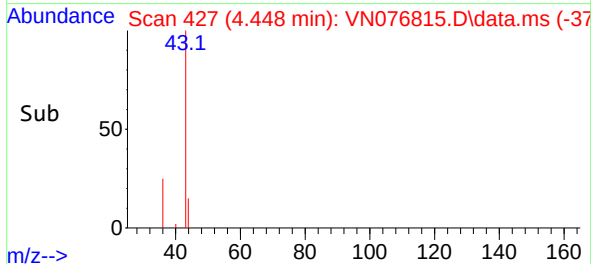
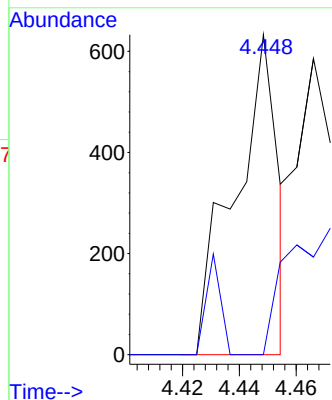
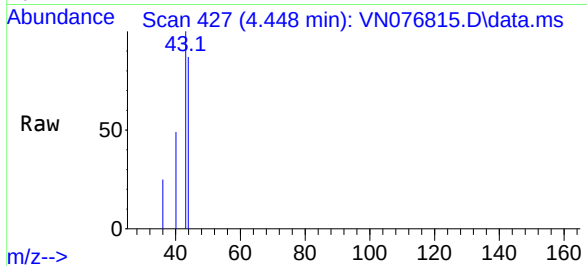




#16
Acetone
Concen: 0.445 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

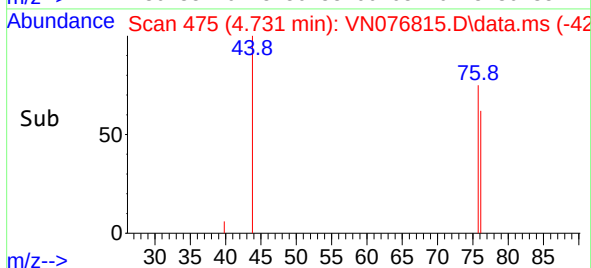
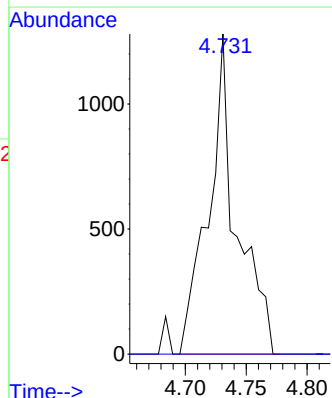
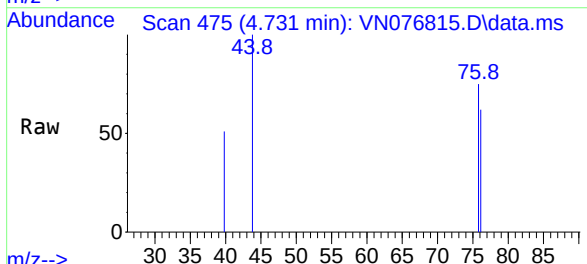
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

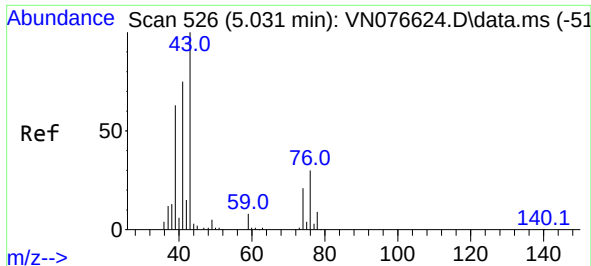
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#17
Carbon Disulfide
Concen: 0.307 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 76 Resp: 2049
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#

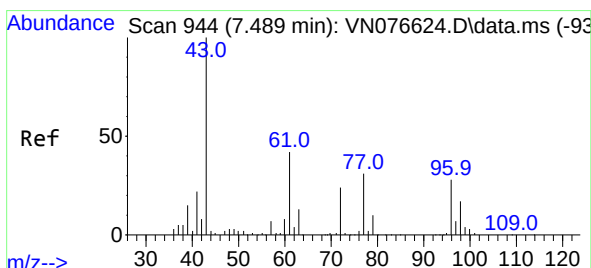
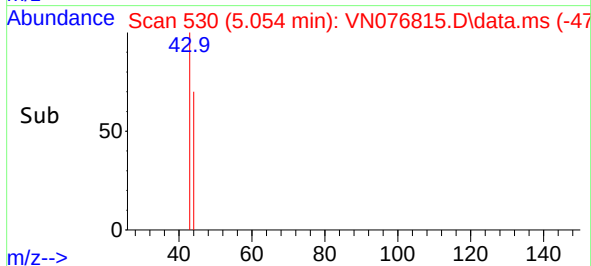
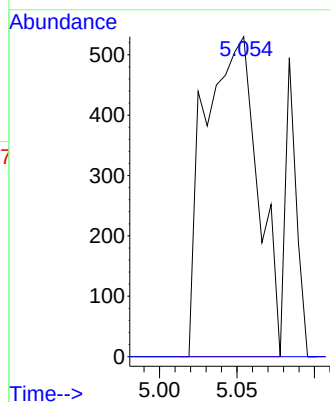
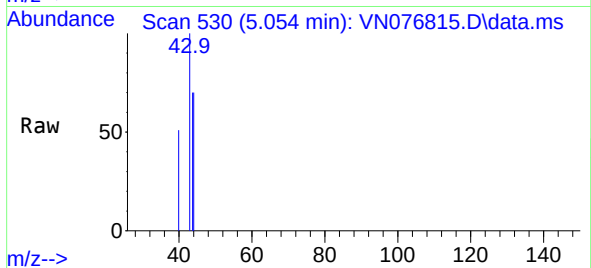




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

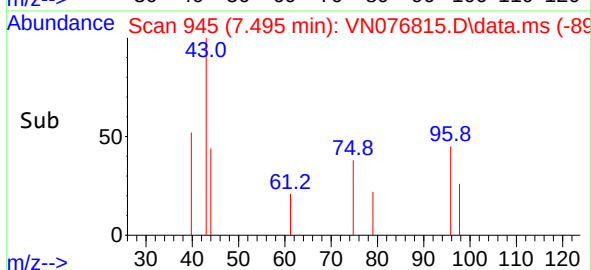
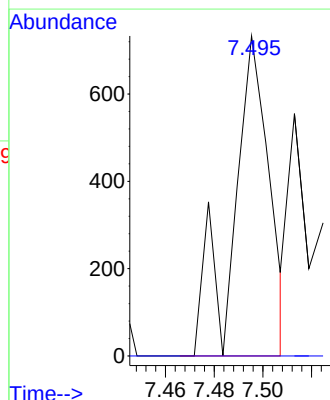
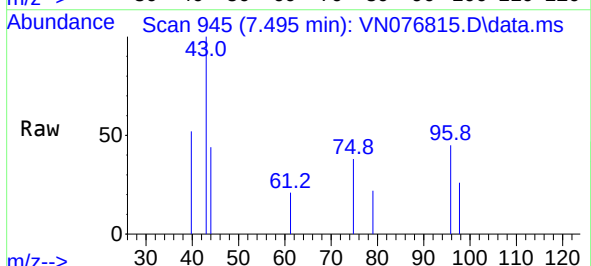
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

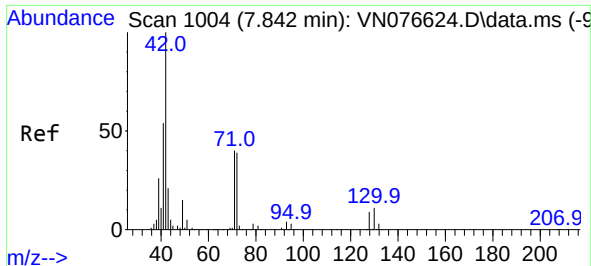
Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#25
2-Butanone
Concen: 0.342 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 7.866 min Scan# 10

Delta R.T. 0.024 min

Lab File: VN076815.D

Acq: 27 Feb 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

VN0227MBL01

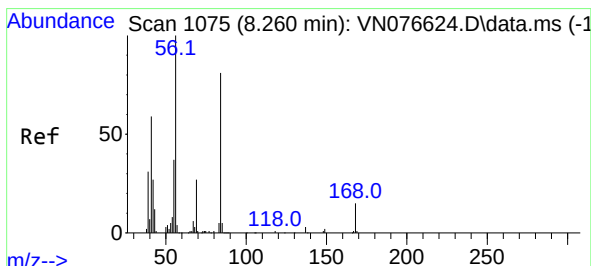
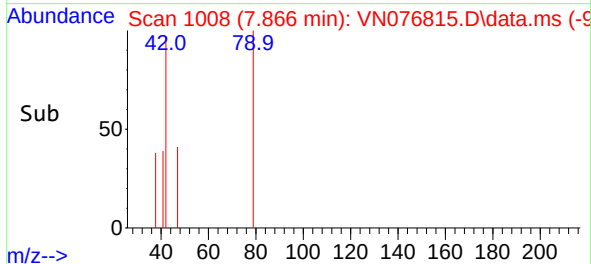
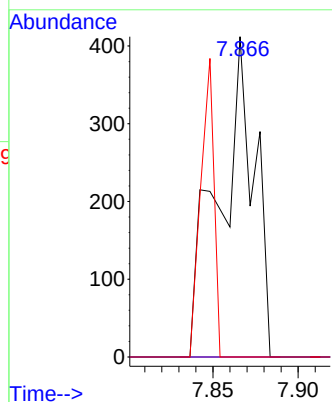
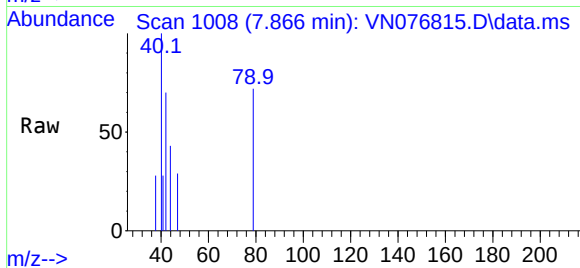
Tgt Ion: 42 Resp: 593

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 35.1 29.8 44.8



#31

Cyclohexane

Concen: 1.163 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.029 min

Lab File: VN076815.D

Acq: 27 Feb 2023 10:16

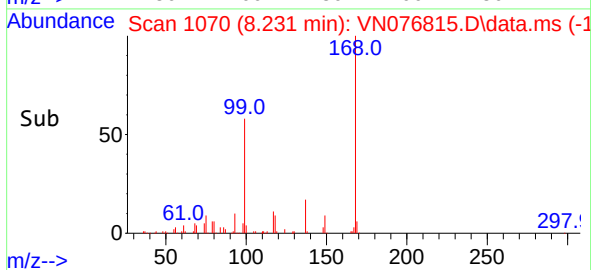
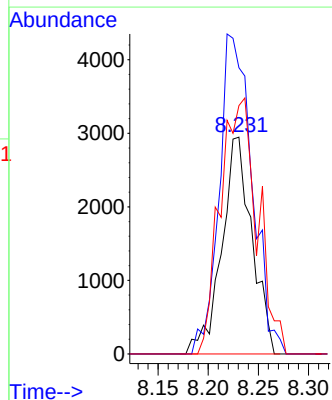
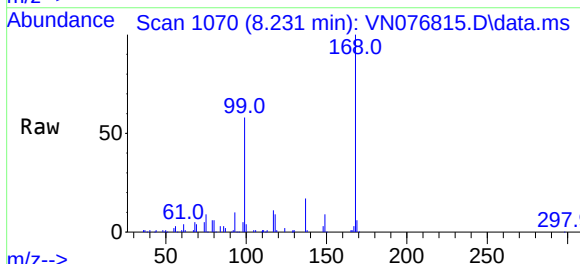
Tgt Ion: 56 Resp: 6160

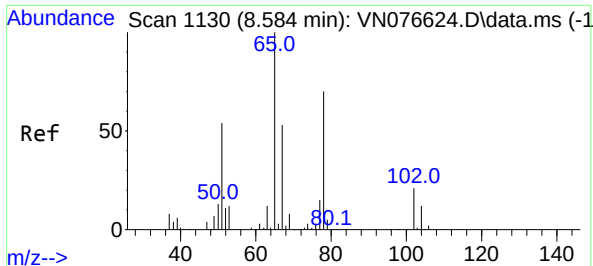
Ion Ratio Lower Upper

56 100

69 132.0 21.6 32.4#

84 114.5 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 54.262 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VN076815.D

Acq: 27 Feb 2023 10:16

Instrument :

MSVOA_N

ClientSampleId :

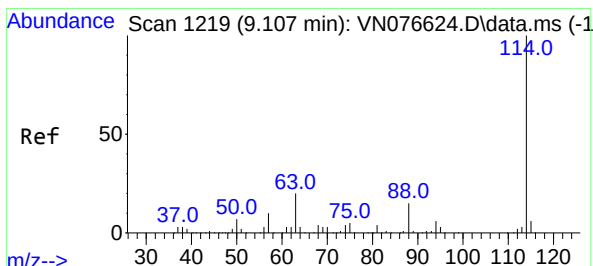
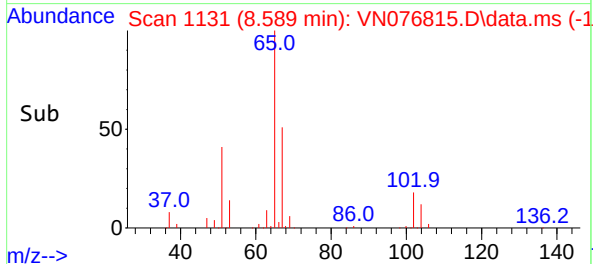
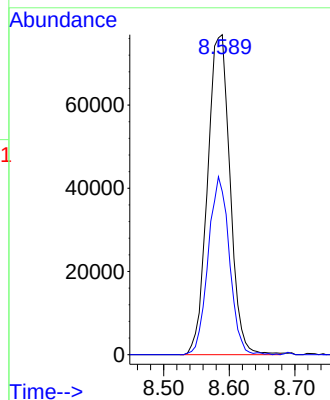
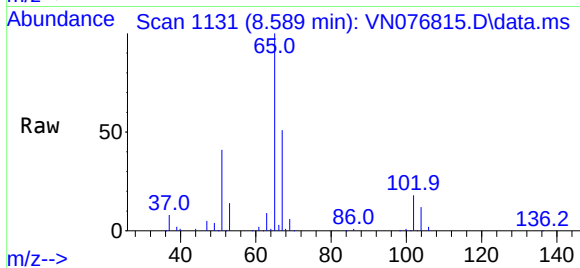
VN0227MBL01

Tgt Ion: 65 Resp: 183242

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076815.D

Acq: 27 Feb 2023 10:16

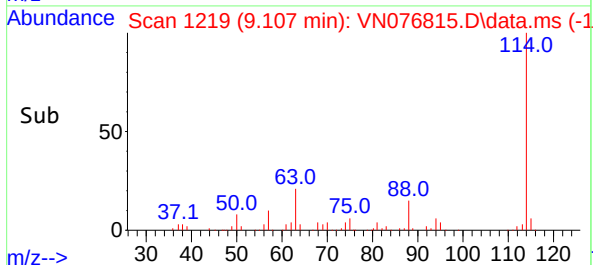
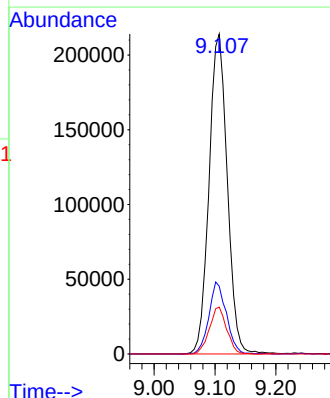
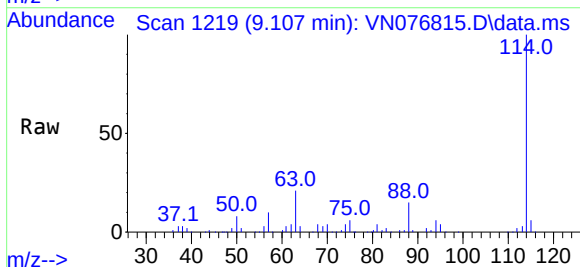
Tgt Ion: 114 Resp: 444523

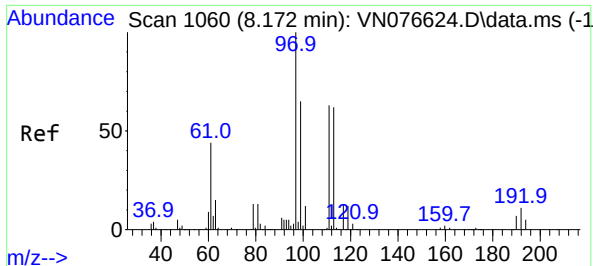
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 14.7 0.0 29.6

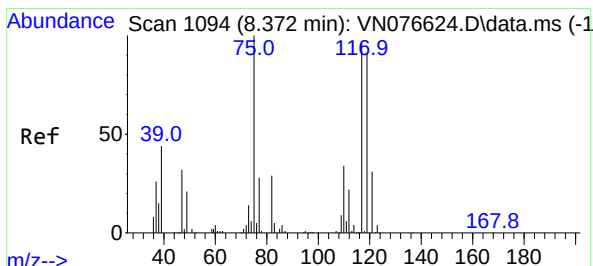
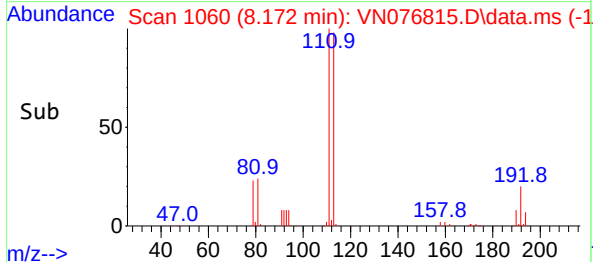
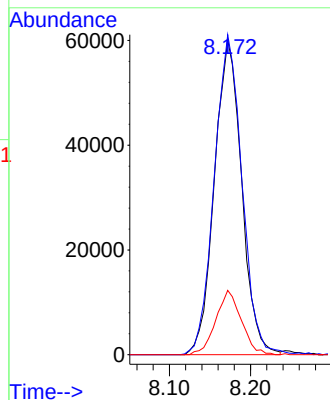
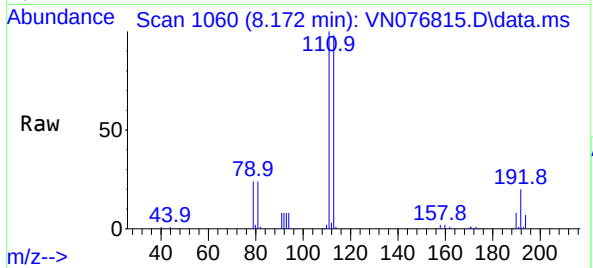




#35
Dibromofluoromethane
Concen: 48.071 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

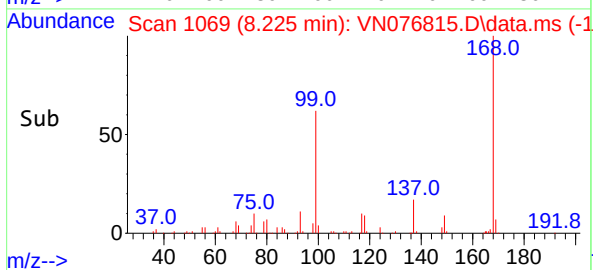
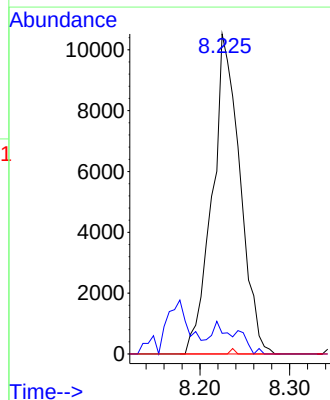
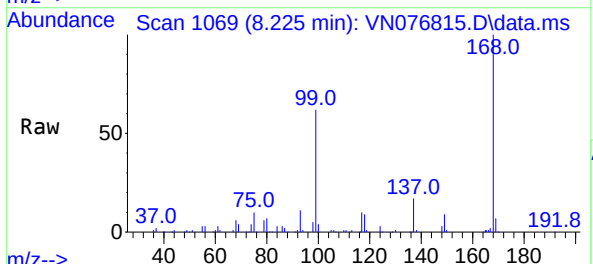
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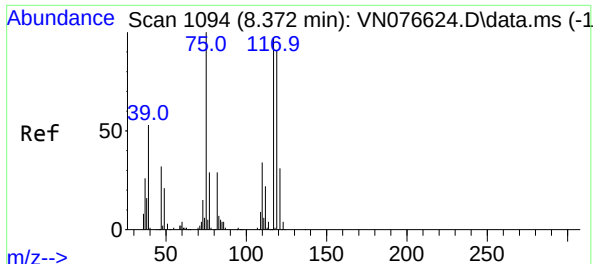
Tgt Ion:113 Resp: 139939
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 19.1 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.344 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

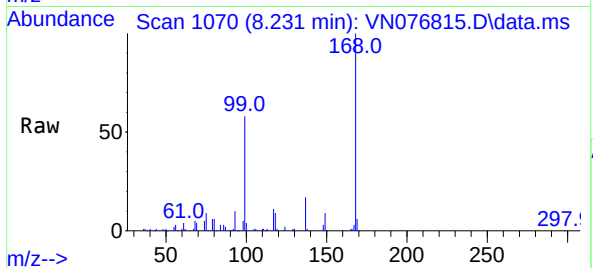
Tgt Ion: 75 Resp: 22479
Ion Ratio Lower Upper
75 100
110 2.5 17.5 52.5#
77 0.3 24.5 36.7#



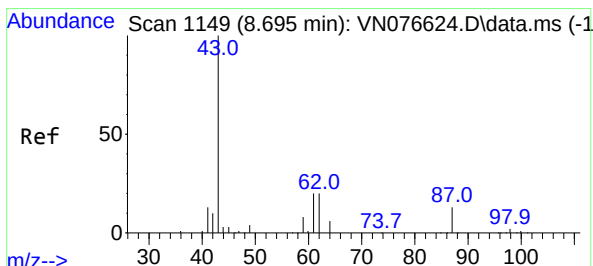
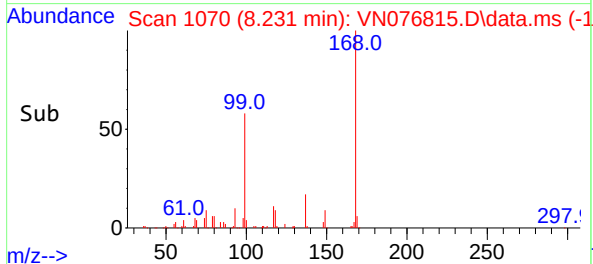
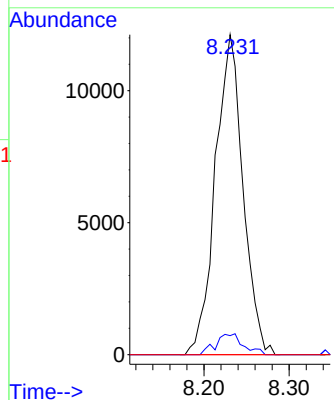


#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 8.231 min Scan# 1165
Delta R.T. -0.141 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

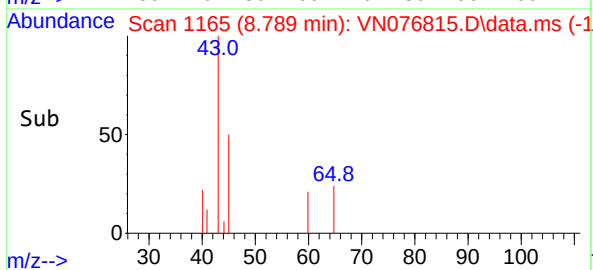
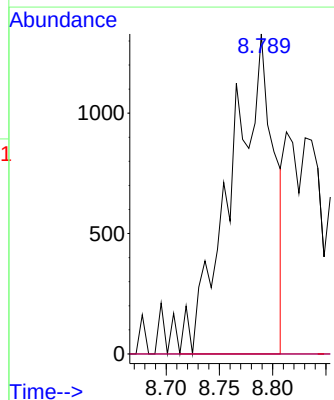
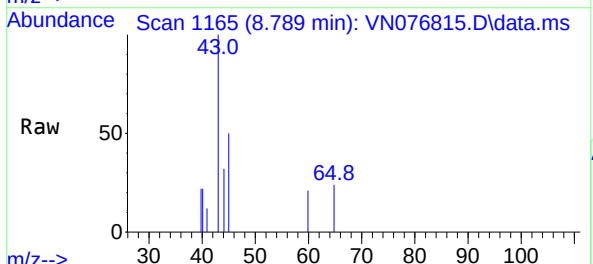


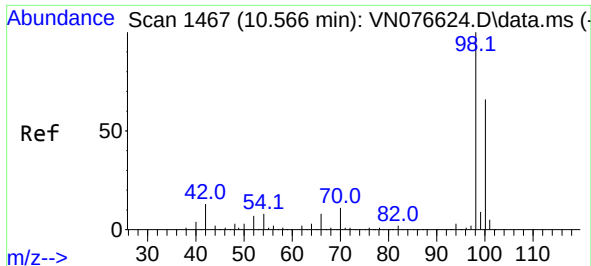
Tgt Ion:117 Resp: 27319
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 0.517 ug/l
RT: 8.789 min Scan# 1165
Delta R.T. 0.094 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 43 Resp: 3725
Ion Ratio Lower Upper
43 100
61 0.0 20.0 30.0#
87 0.0 9.9 14.9#

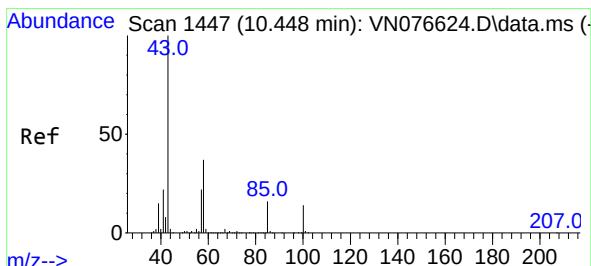
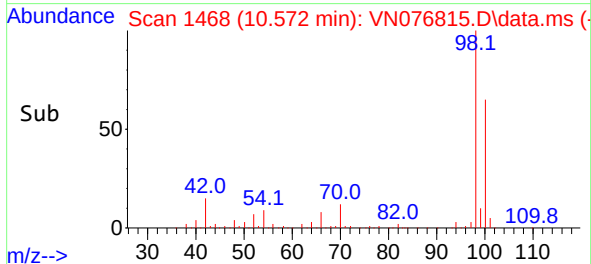
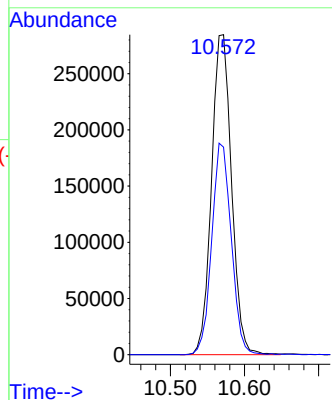
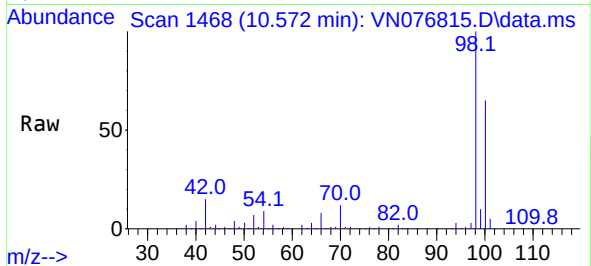




#50
Toluene-d8
Concen: 49.109 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

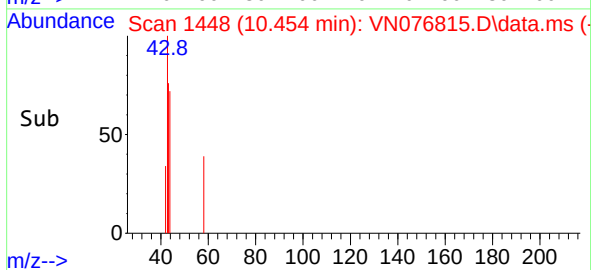
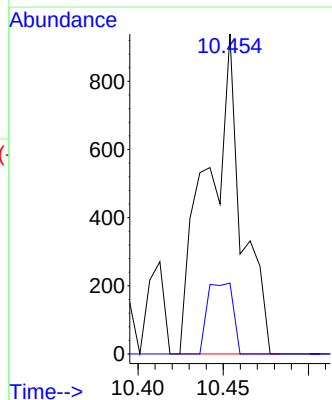
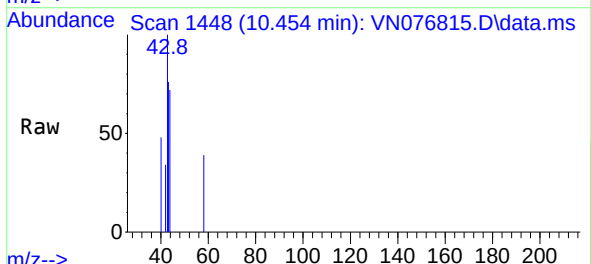
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

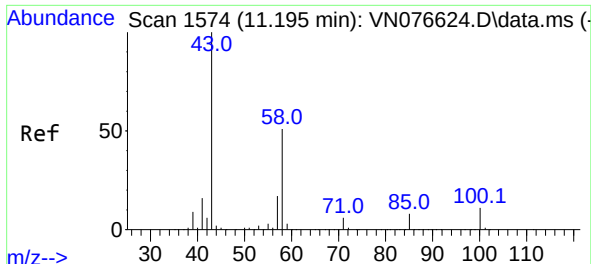
Tgt Ion: 98 Resp: 533897
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 16.4 29.5 44.3#

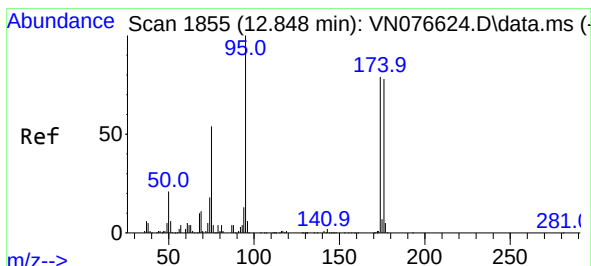
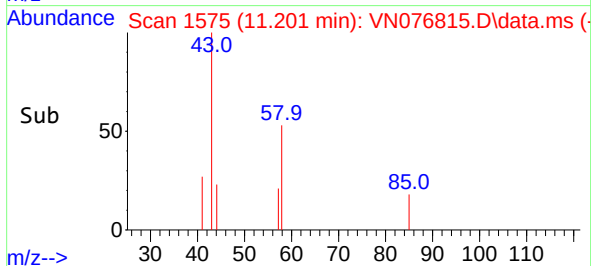
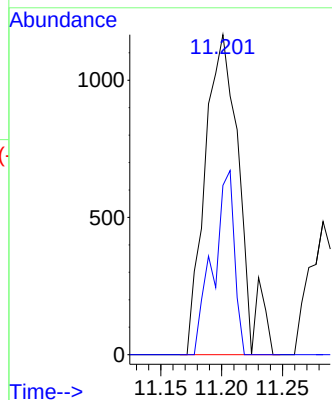
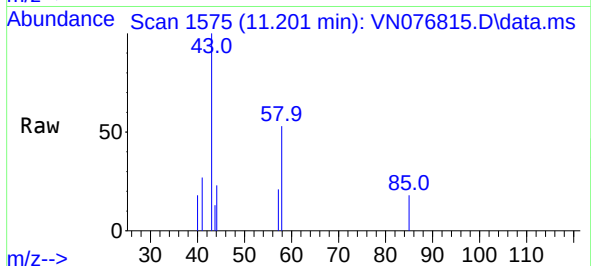




#59
2-Hexanone
Concen: 0.695 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

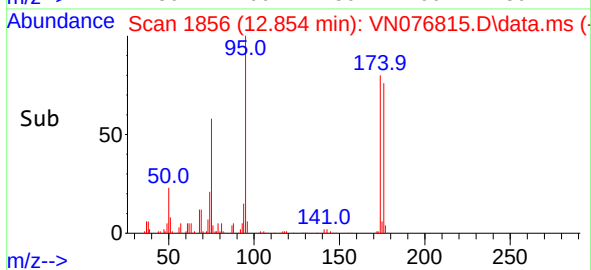
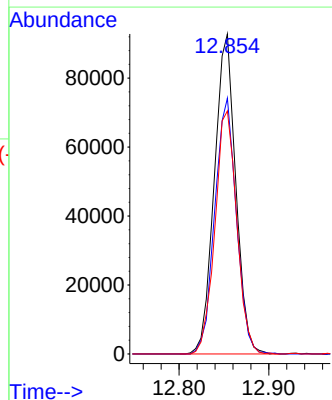
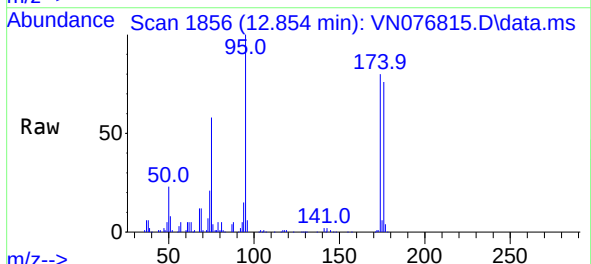
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

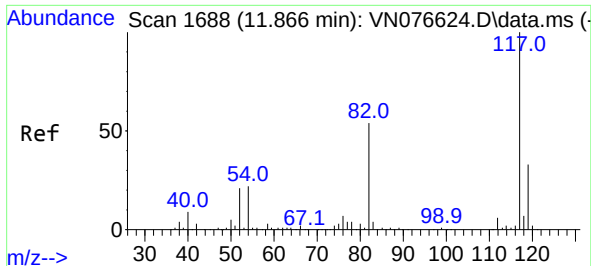
Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 35.3 25.4 76.0



#62
4-Bromofluorobenzene
Concen: 42.611 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

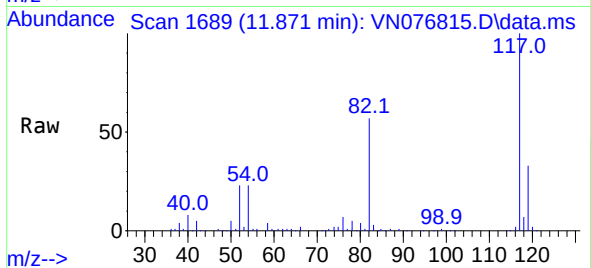
Tgt Ion: 95 Resp: 153431
Ion Ratio Lower Upper
95 100
174 80.8 0.0 169.2
176 77.4 0.0 163.4



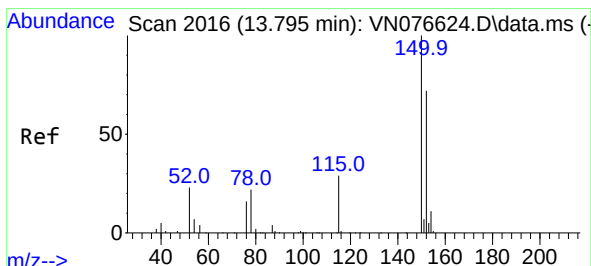
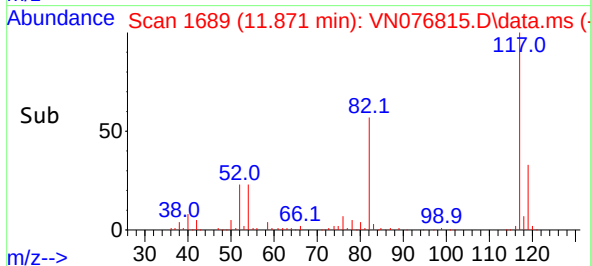
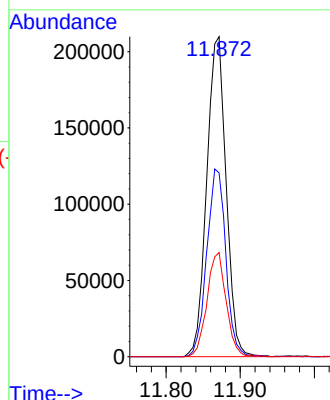


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

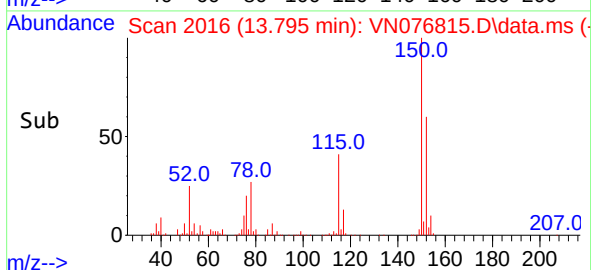
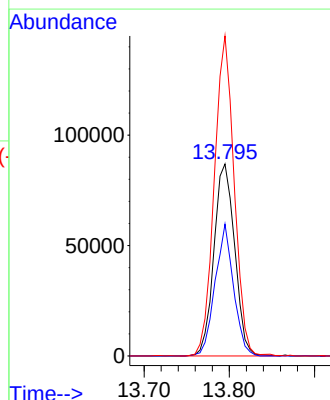
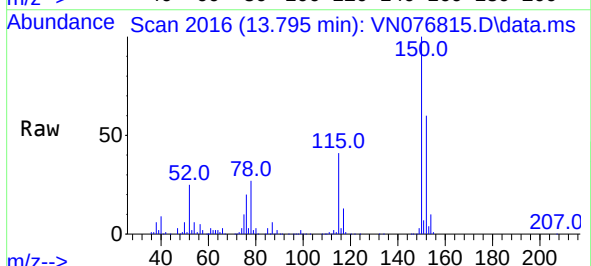


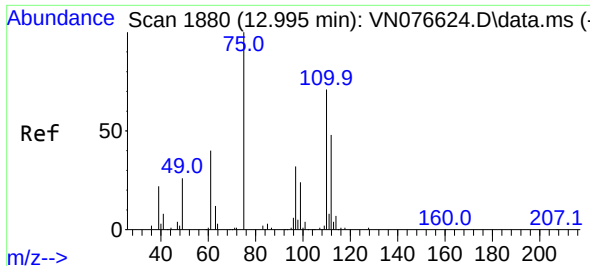
Tgt Ion:117 Resp: 381626
Ion Ratio Lower Upper
117 100
82 57.4 43.4 65.2
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion:152 Resp: 147118
Ion Ratio Lower Upper
152 100
115 61.1 29.3 87.9
150 160.0 0.0 349.8

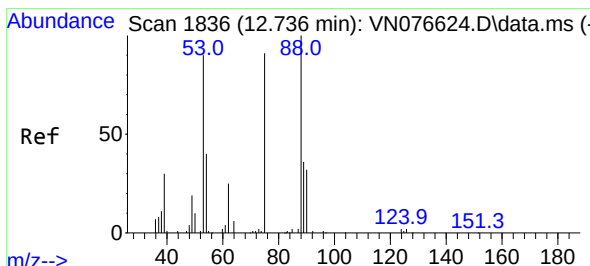
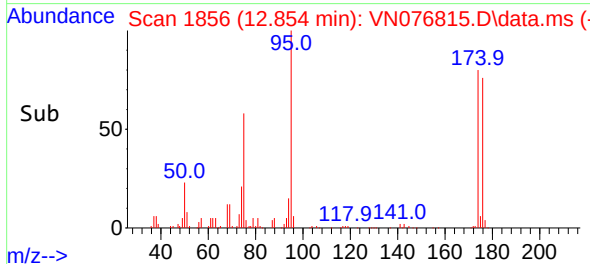
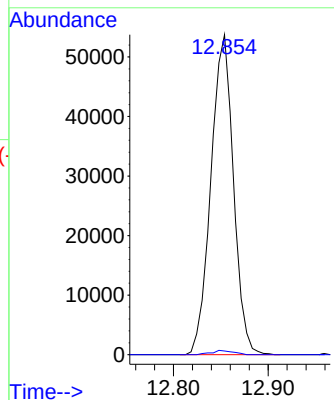
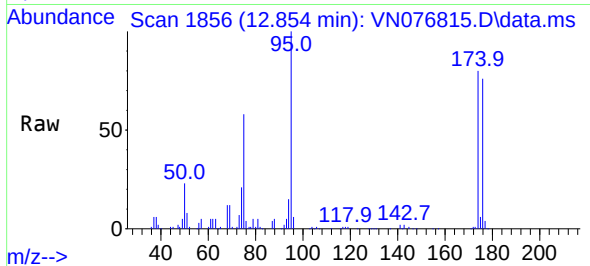




#76
1,2,3-Trichloropropane
Concen: 29.856 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

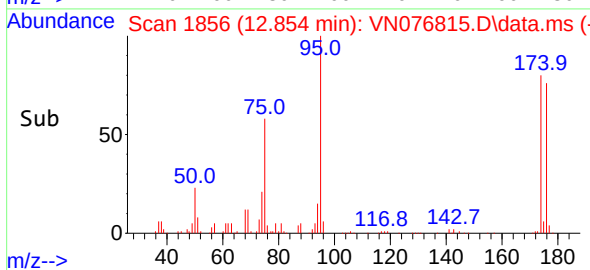
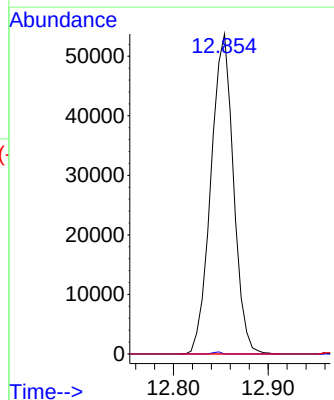
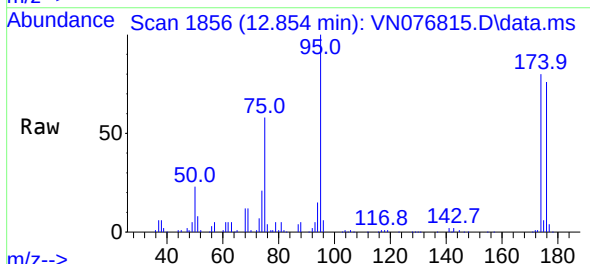
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

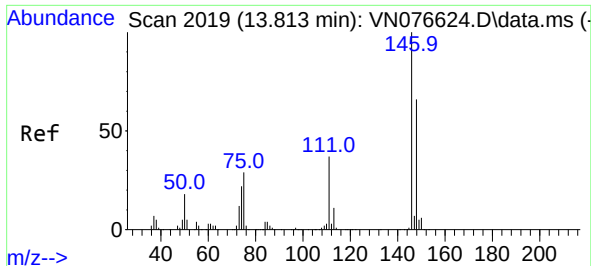
Tgt Ion: 75 Resp: 88802
Ion Ratio Lower Upper
75 100
77 1.3 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.959 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Tgt Ion: 75 Resp: 88802
Ion Ratio Lower Upper
75 100
53 0.2 92.1 138.1#
89 0.0 37.5 56.3#

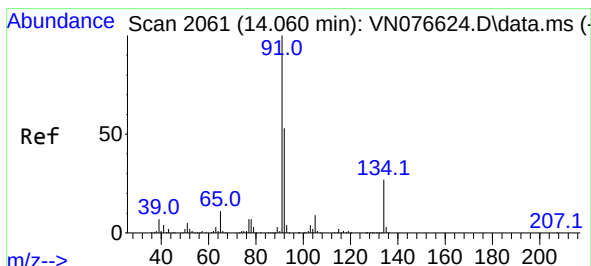
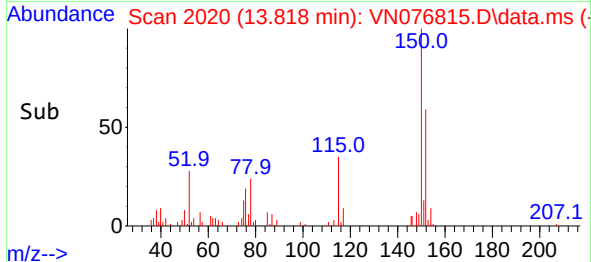
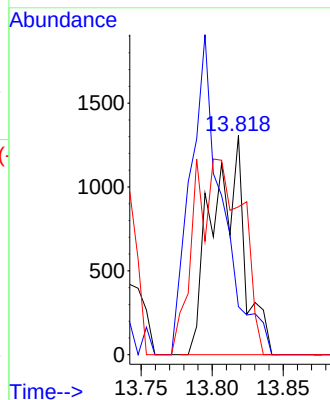
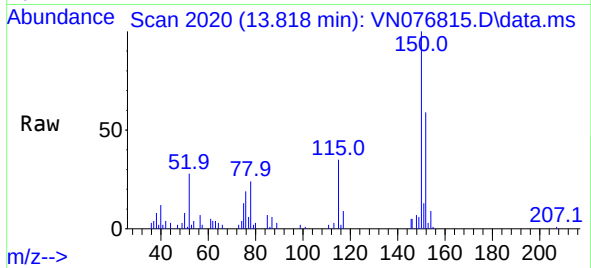




#88
1,4-Dichlorobenzene
Concen: 0.405 ug/l
RT: 13.818 min Scan# 2019
Delta R.T. 0.005 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

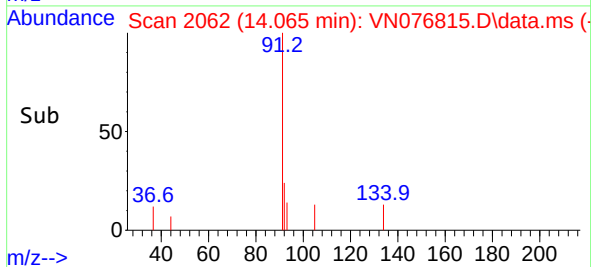
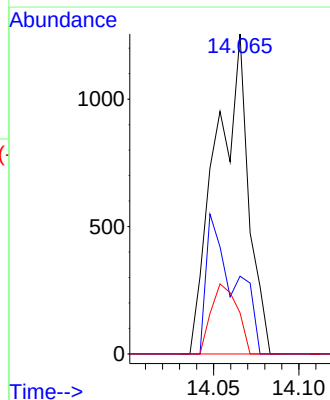
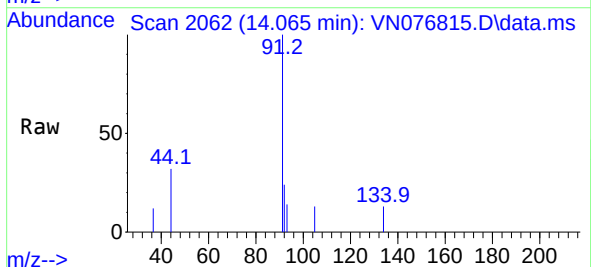
Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

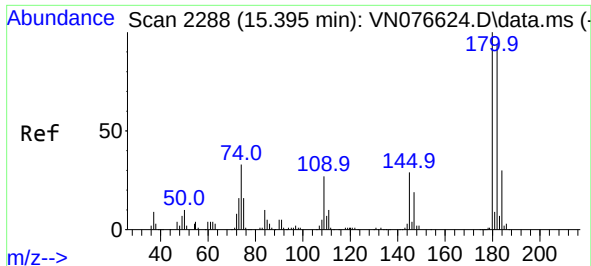
Tgt Ion:146 Resp: 2053
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.1#
148 0.0 32.7 98.1#



#89
n-Butylbenzene
Concen: 0.214 ug/l
RT: 14.065 min Scan# 2062
Delta R.T. 0.005 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

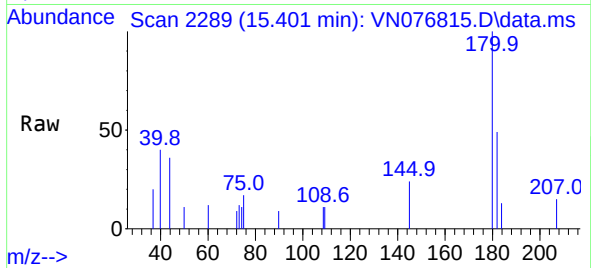
Tgt Ion: 91 Resp: 1671
Ion Ratio Lower Upper
91 100
92 37.5 26.4 79.0
134 17.6 13.2 39.5



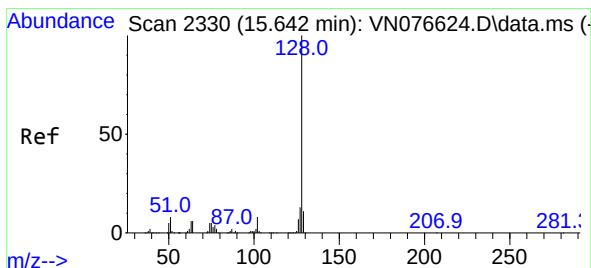
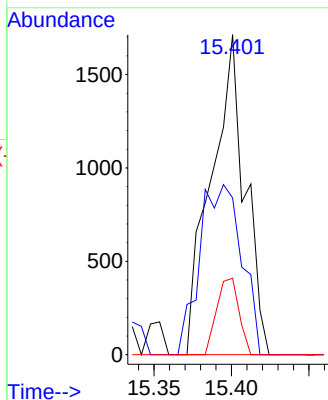
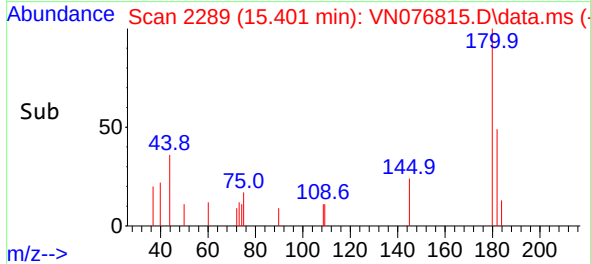


#93
1,2,4-Trichlorobenzene
Concen: 1.002 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

Instrument :
MSVOA_N
ClientSampleId :
VN0227MBL01

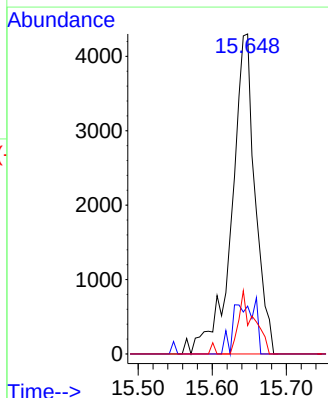
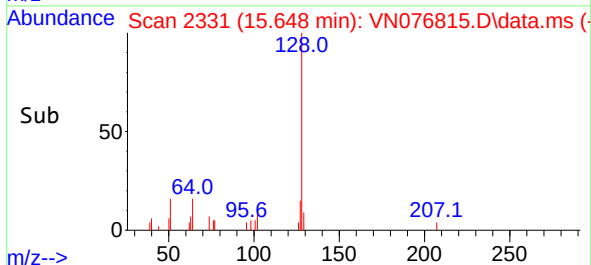
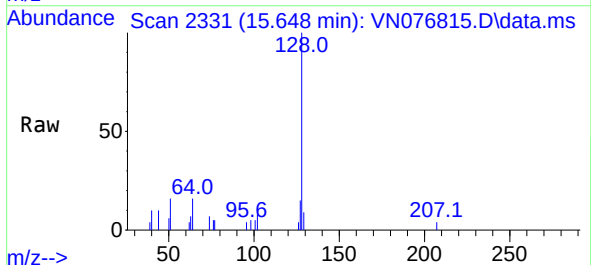


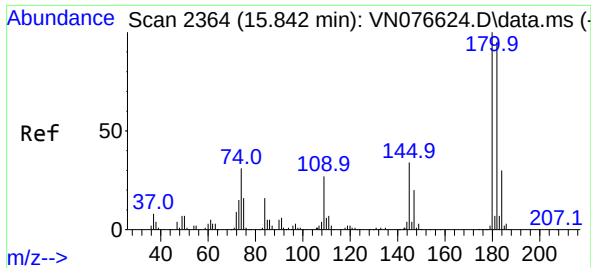
Tgt Ion:180 Resp: 2606
Ion Ratio Lower Upper
180 100
182 66.1 48.0 144.0
145 15.7 15.2 45.6



#95
Naphthalene
Concen: 1.192 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN076815.D
Acq: 27 Feb 2023 10:16

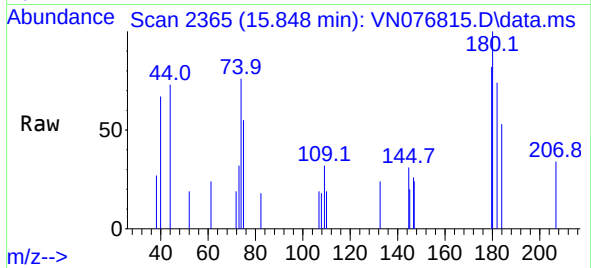
Tgt Ion:128 Resp: 9405
Ion Ratio Lower Upper
128 100
127 8.2 10.6 16.0#
129 12.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.036 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076815.D
 Acq: 27 Feb 2023 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227MBL01



Tgt Ion:	180	Resp:	2610
Ion	Ratio	Lower	Upper
180	100		
182	75.5	46.7	140.1
145	26.4	16.0	47.9

