

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074499.D
 Acq On : 16 Sep 2022 10:31
 Operator : JC\MD
 Sample : VN0916MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBL01

Quant Time: Sep 16 16:14:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

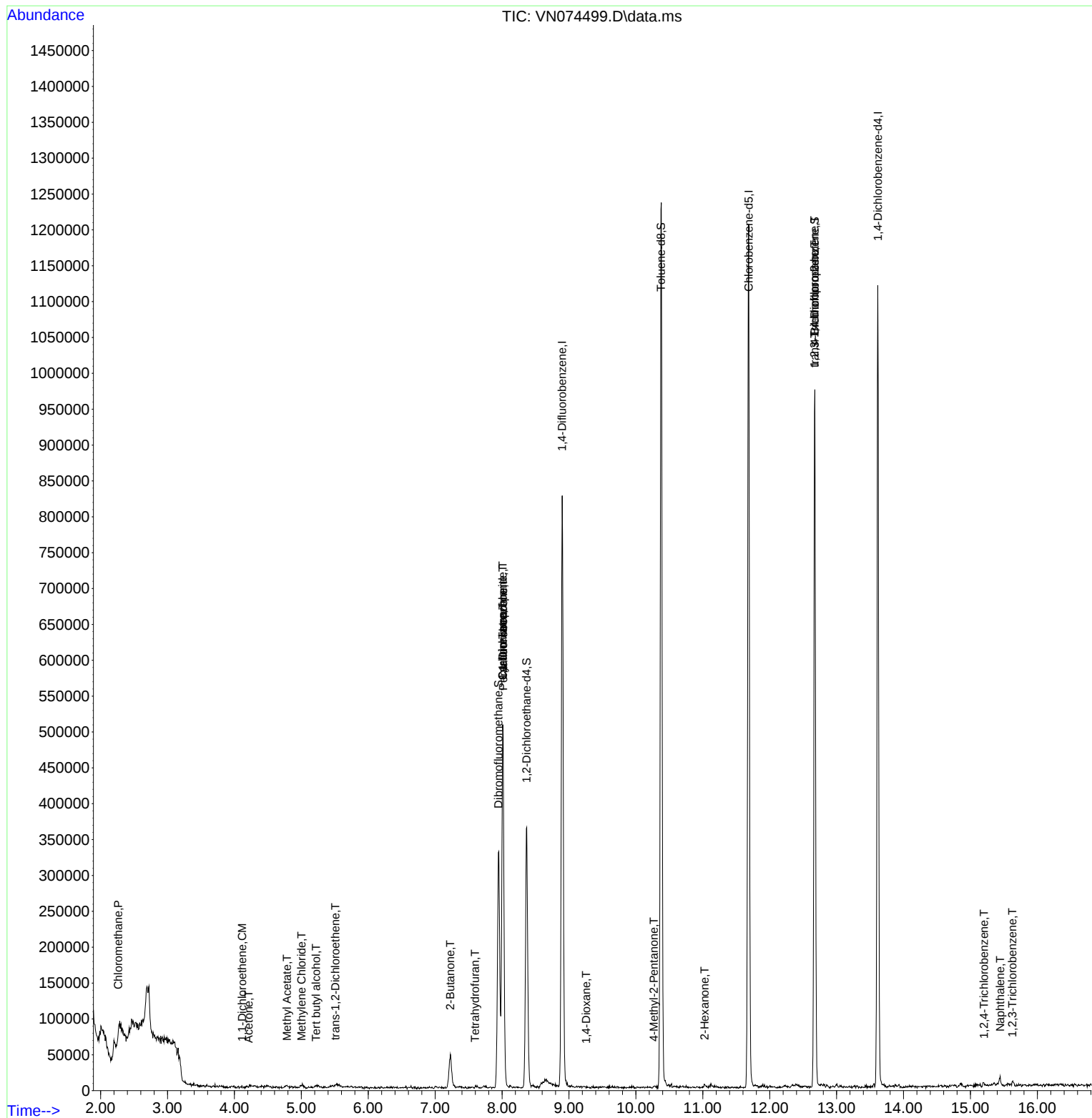
Internal Standards						
1) Pentafluorobenzene	8.016	168	352029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	673784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	650663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	266795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	276079	46.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.440%		
35) Dibromofluoromethane	7.945	113	231597	51.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.480%		
50) Toluene-d8	10.374	98	837639	48.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.780%		
62) 4-Bromofluorobenzene	12.674	95	306263	51.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.320%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	3564	0.809	ug/l #	82
11) Tert butyl alcohol	5.222	59	1914	0.984	ug/l #	72
12) 1,1-Dichloroethene	4.116	96	198	0.727	ug/l #	17
16) Acetone	4.210	43	1532	0.401	ug/l #	42
18) Methyl Acetate	4.787	43	6819	0.574	ug/l #	57
20) Methylene Chloride	5.004	84	1010	0.204	ug/l #	26
21) trans-1,2-Dichloroethene	5.510	96	324	0.492	ug/l #	1
25) 2-Butanone	7.228	43	4459	0.703	ug/l #	45
29) Tetrahydrofuran	7.598	42	894	0.214	ug/l #	41
31) Cyclohexane	8.010	56	12439	1.173	ug/l #	61
36) 1,1-Dichloropropene	8.010	75	32333	4.081	ug/l #	47
38) Carbon Tetrachloride	8.010	117	37744	5.160	ug/l #	17
49) 1,4-Dioxane	9.257	88	109	0.667	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	2828	0.226	ug/l #	78
59) 2-Hexanone	11.027	43	3184	0.333	ug/l	80
76) 1,2,3-Trichloropropane	12.668	75	183254	22.315	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	183254	48.163	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.204	180	1748	0.330	ug/l #	84
95) Naphthalene	15.445	128	10159	2.020	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.627	180	1619	1.624	ug/l	63

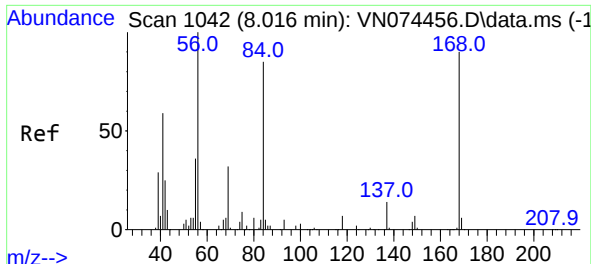
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 16 16:14:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

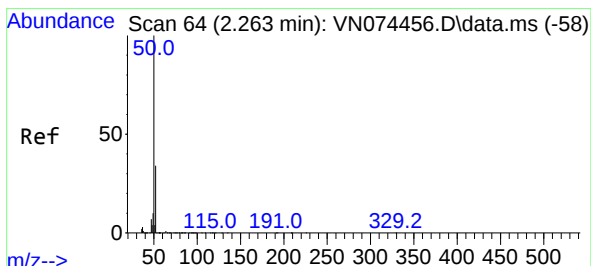
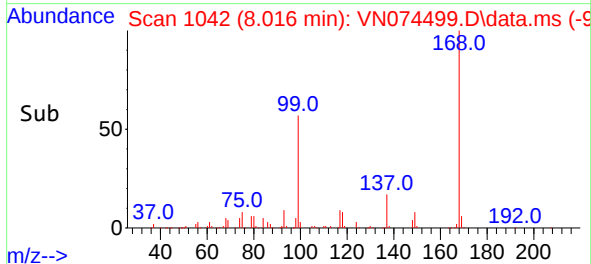
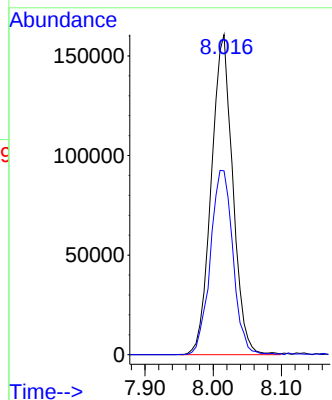
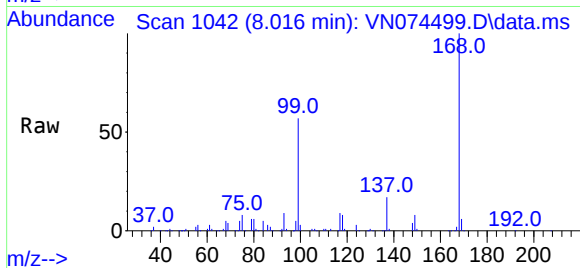




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

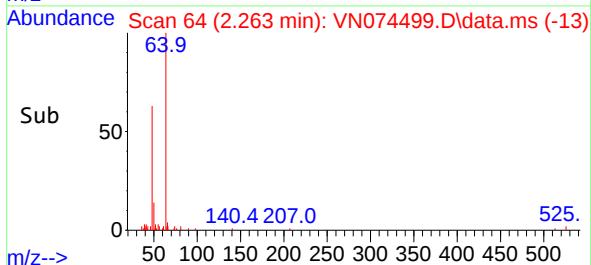
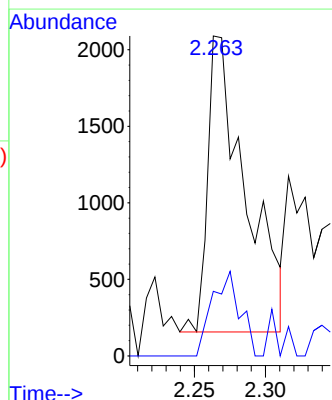
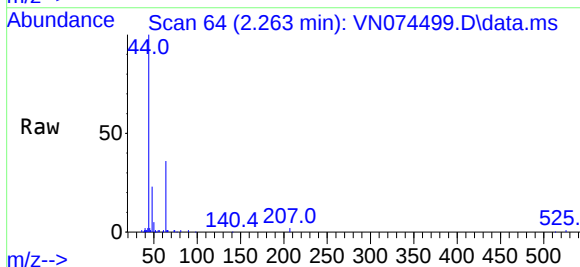
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

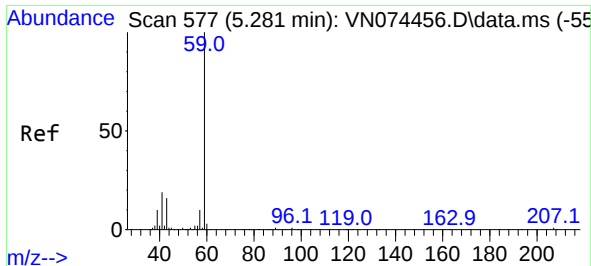
Tgt Ion:168 Resp: 352029
Ion Ratio Lower Upper
168 100
99 57.3 42.3 63.5



#3
Chloromethane
Concen: 0.809 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 50 Resp: 3564
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#

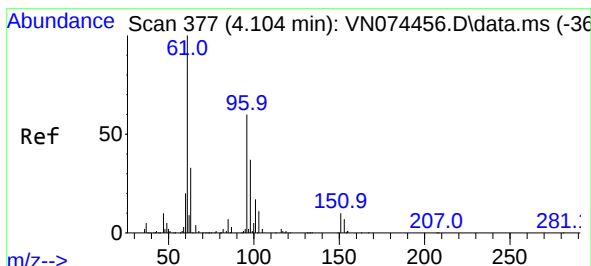
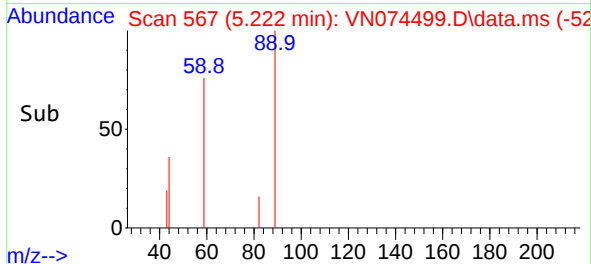
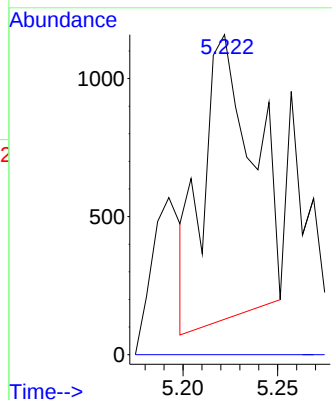
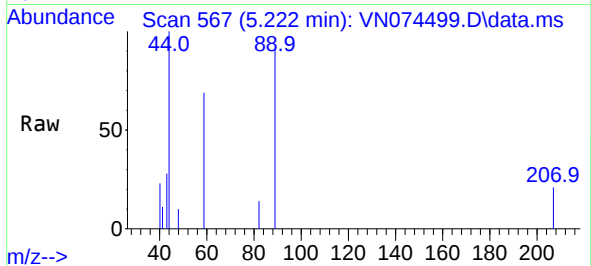




#11
Tert butyl alcohol
Concen: 0.984 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.059 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

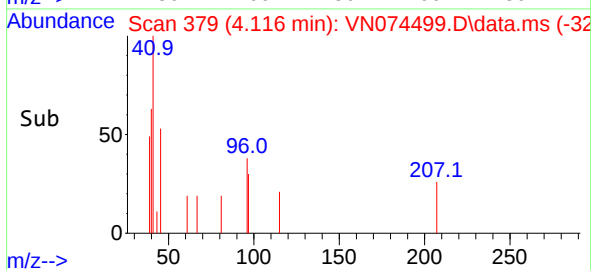
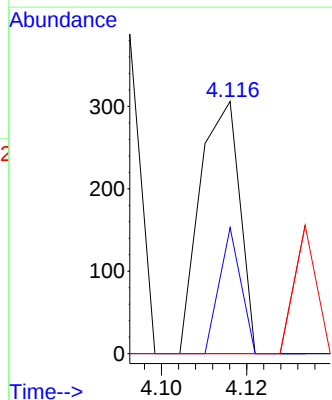
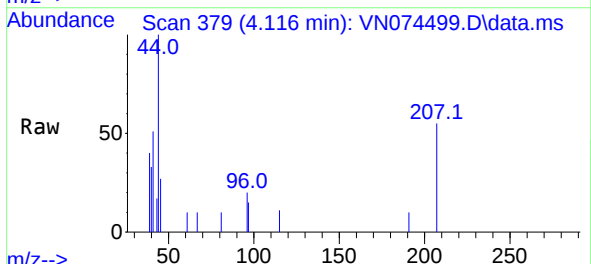
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

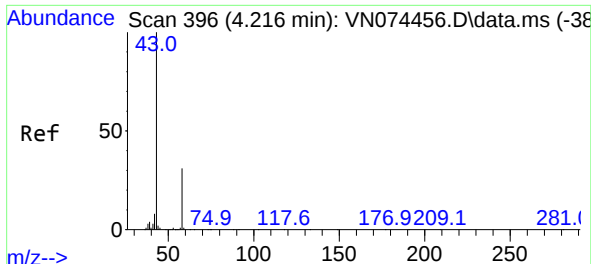
Tgt Ion: 59 Resp: 1914
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.727 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 96 Resp: 198
Ion Ratio Lower Upper
96 100
61 50.0 127.6 191.4#
98 0.0 51.2 76.8#

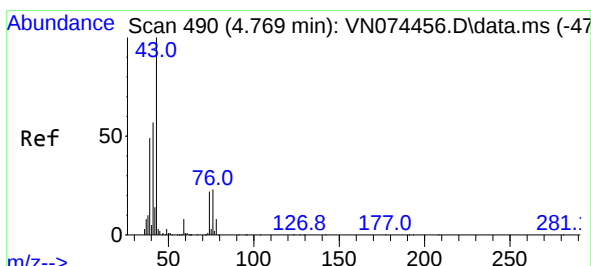
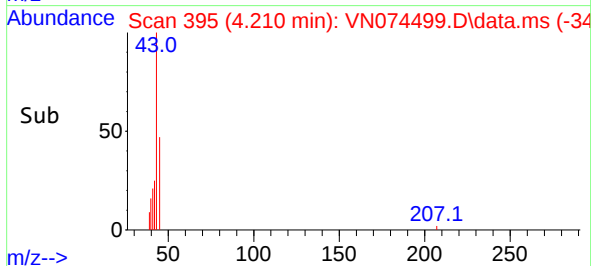
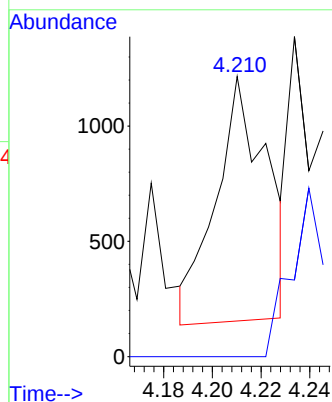
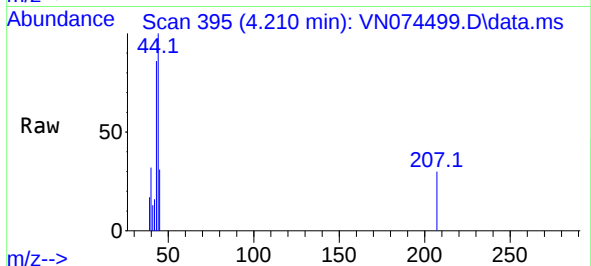




#16
Acetone
Concen: 0.401 ug/l
RT: 4.210 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

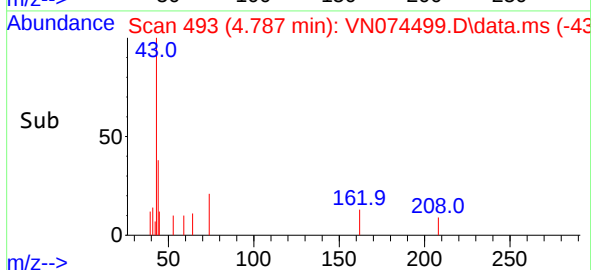
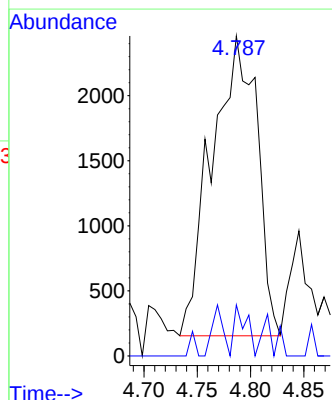
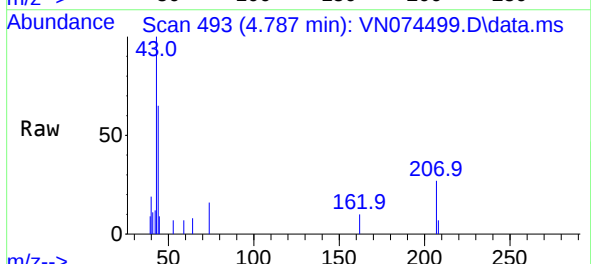
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

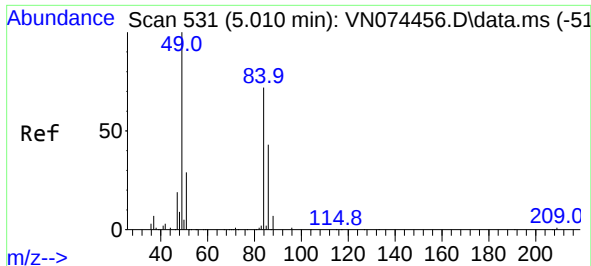
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 0.574 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

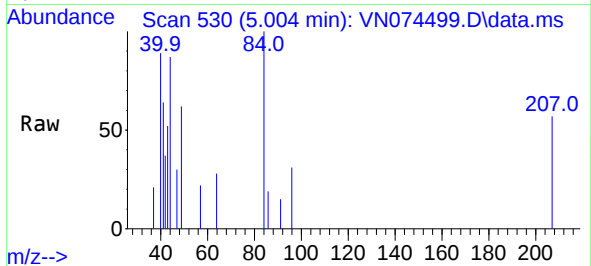
Tgt Ion: 43 Resp: 6819
Ion Ratio Lower Upper
43 100
74 4.7 21.6 32.4#



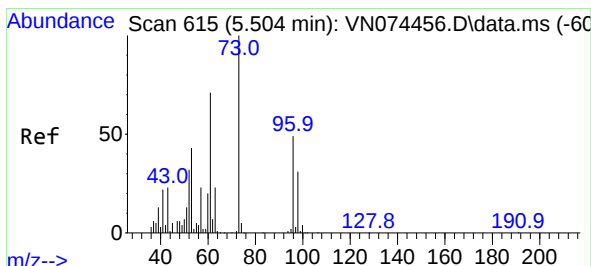
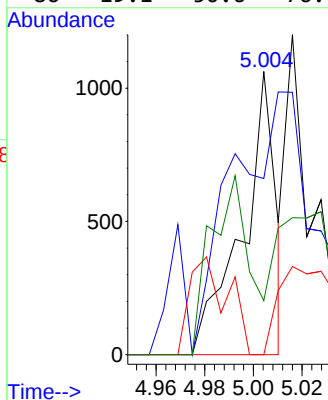
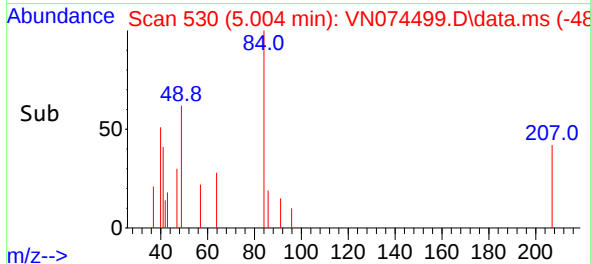


#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

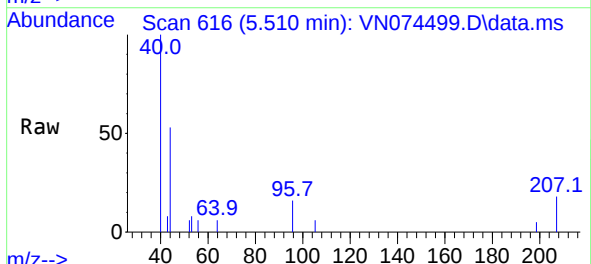
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01



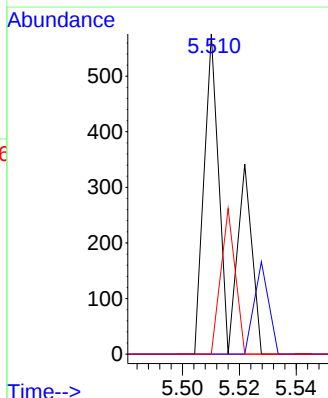
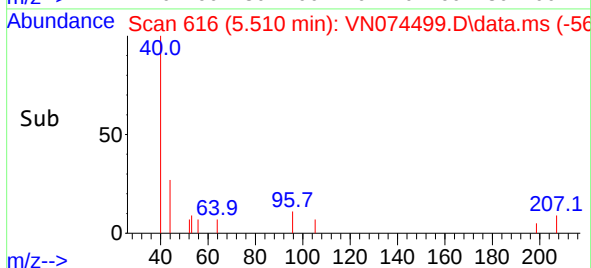
Tgt Ion: 84 Resp: 1010
Ion Ratio Lower Upper
84 100
49 16.3 88.3 132.5#
51 0.0 28.2 42.2#
86 19.1 50.6 76.0#

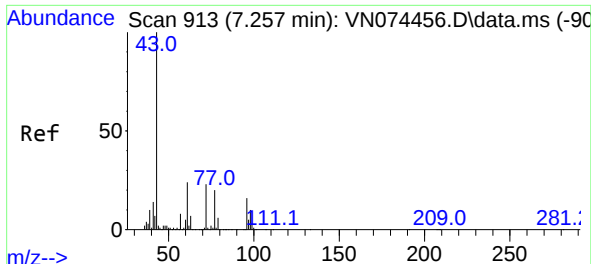


#21
trans-1,2-Dichloroethene
Concen: 0.492 ug/l
RT: 5.510 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31



Tgt Ion: 96 Resp: 324
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#

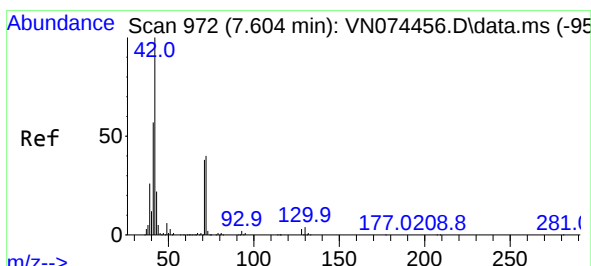
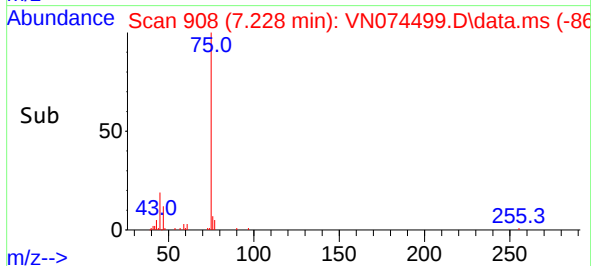
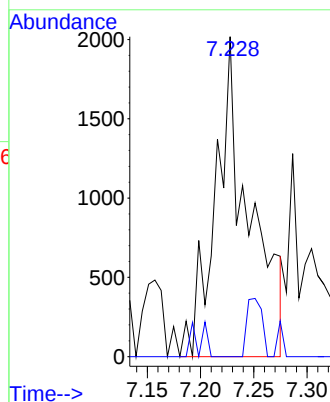
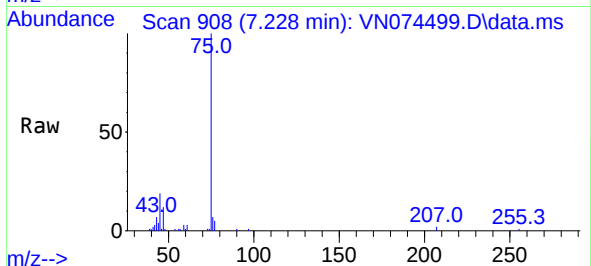




#25
2-Butanone
Concen: 0.703 ug/l
RT: 7.228 min Scan# 90
Delta R.T. -0.029 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

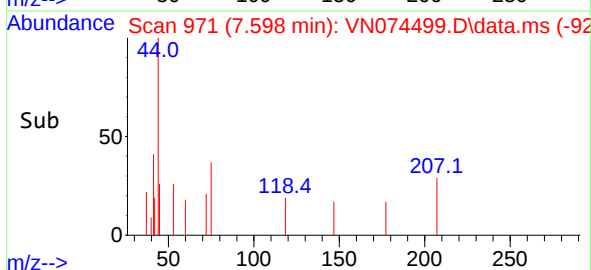
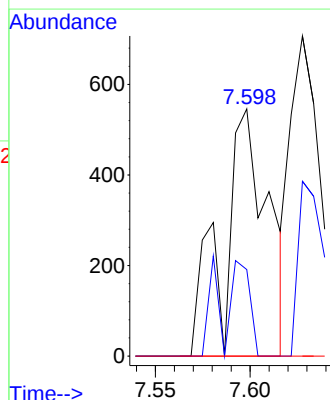
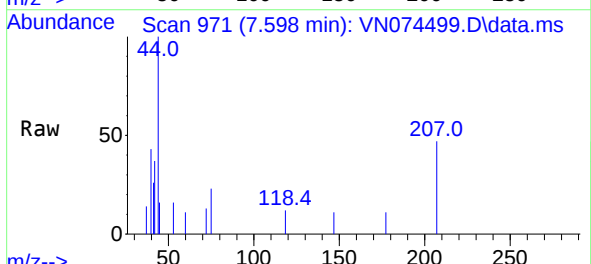
Instrument :
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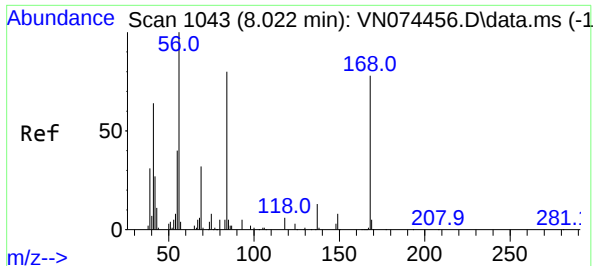
Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.214 ug/l
RT: 7.598 min Scan# 971
Delta R.T. -0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 42 Resp: 894
Ion Ratio Lower Upper
42 100
72 15.9 39.7 59.5#
71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.010 min Scan# 1102

Delta R.T. -0.012 min

Lab File: VN074499.D

Acq: 16 Sep 2022 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBL01

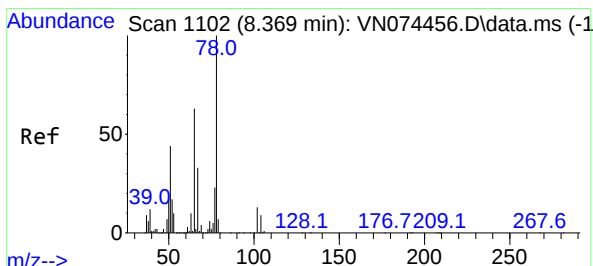
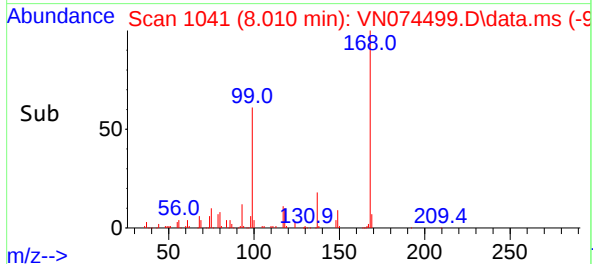
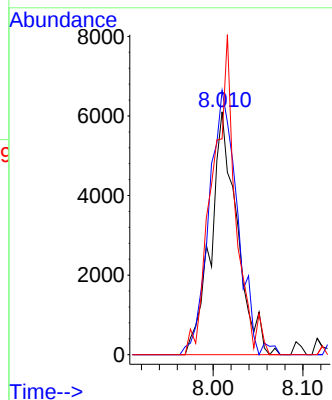
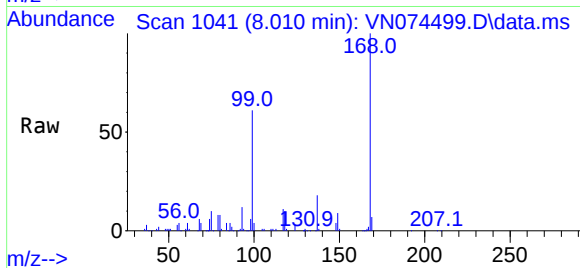
Tgt Ion: 56 Resp: 12439

Ion Ratio Lower Upper

56 100

69 108.7 27.8 41.8#

84 88.8 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 46.221 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074499.D

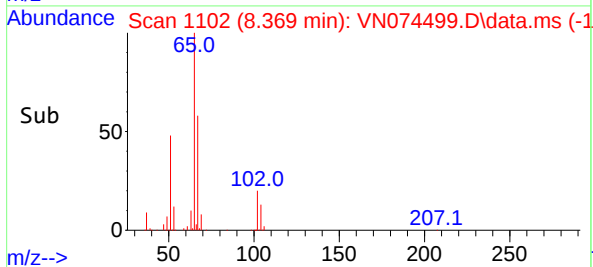
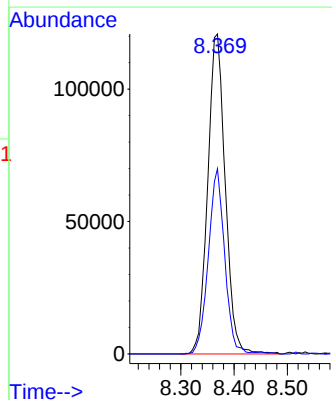
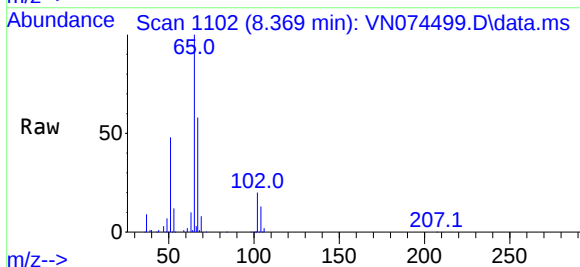
Acq: 16 Sep 2022 10:31

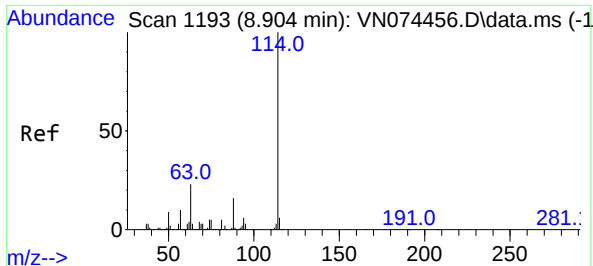
Tgt Ion: 65 Resp: 276079

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN074499.D

Acq: 16 Sep 2022 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN0916MBL01

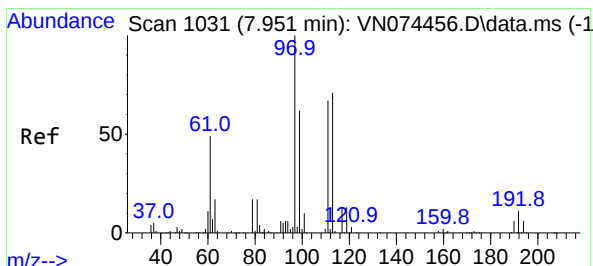
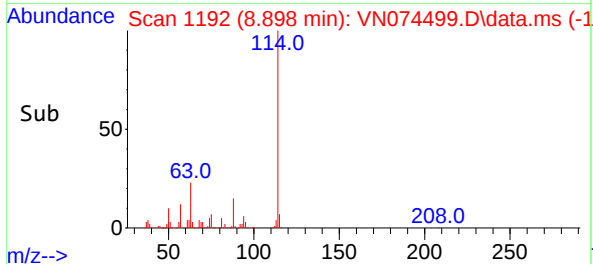
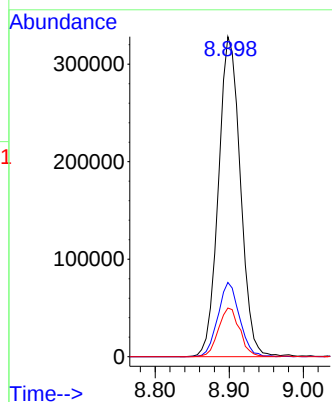
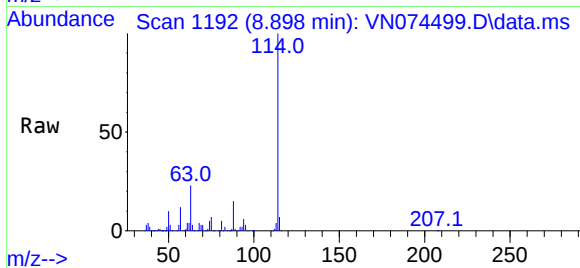
Tgt Ion:114 Resp: 673784

Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.744 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN074499.D

Acq: 16 Sep 2022 10:31

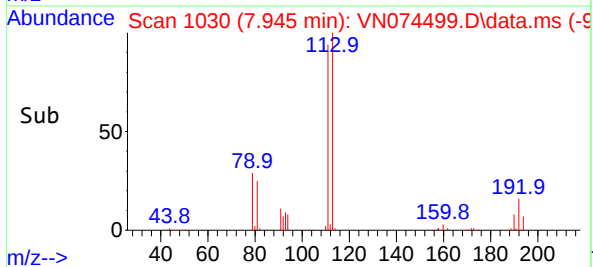
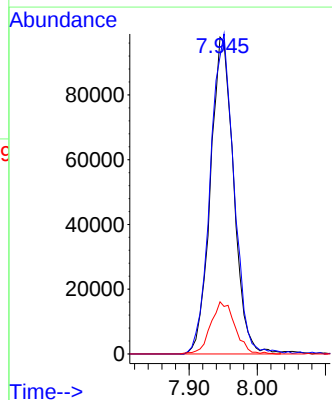
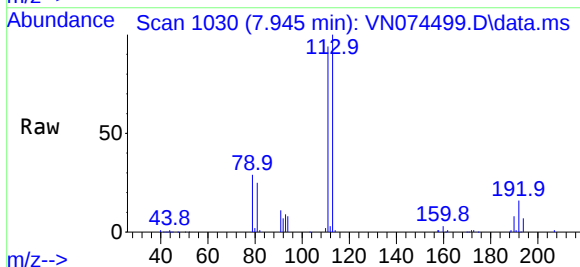
Tgt Ion:113 Resp: 231597

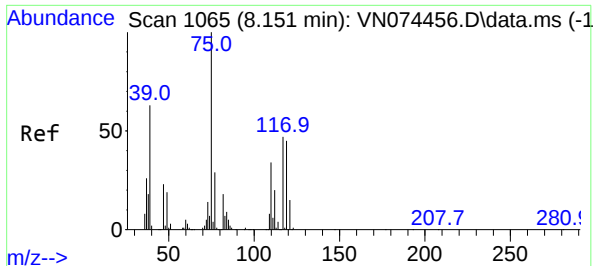
Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 17.2 17.0 25.6

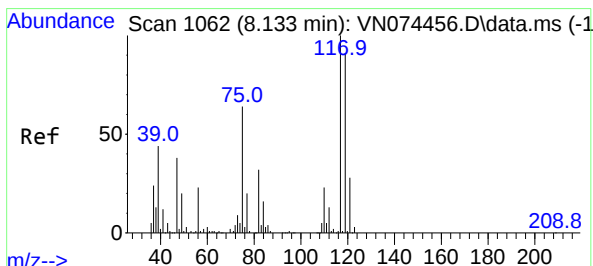
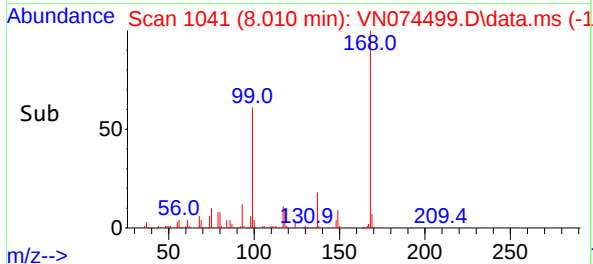
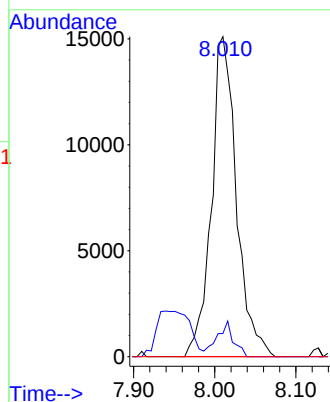
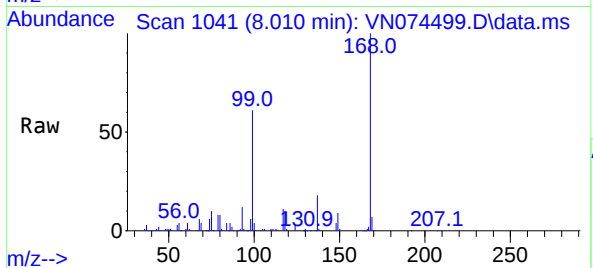




#36
1,1-Dichloropropene
Concen: 4.081 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

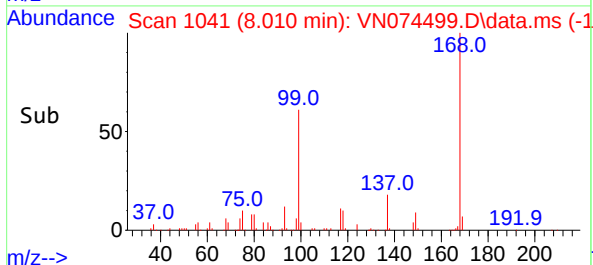
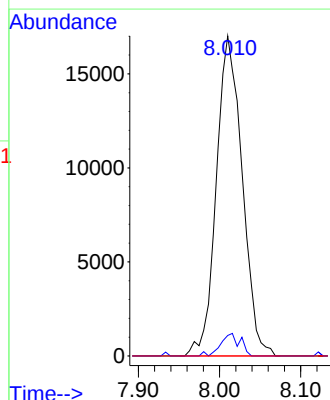
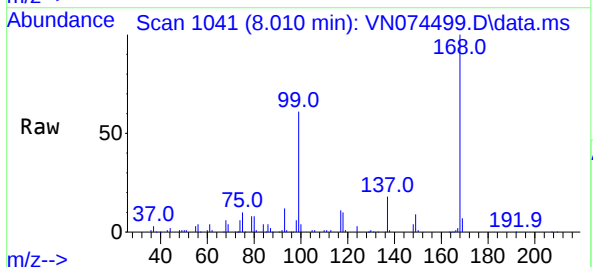
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

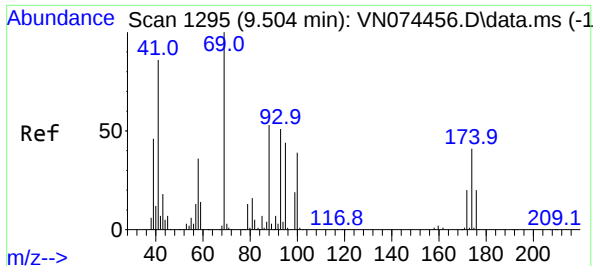
Tgt Ion: 75 Resp: 32333
Ion Ratio Lower Upper
75 100
110 7.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.160 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 117 Resp: 37744
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#

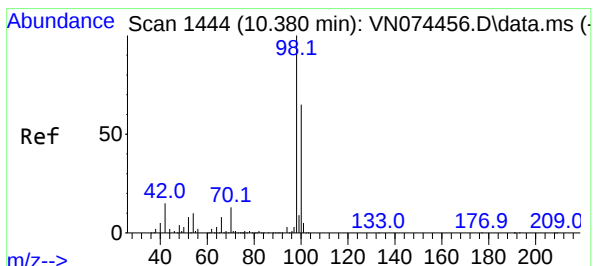
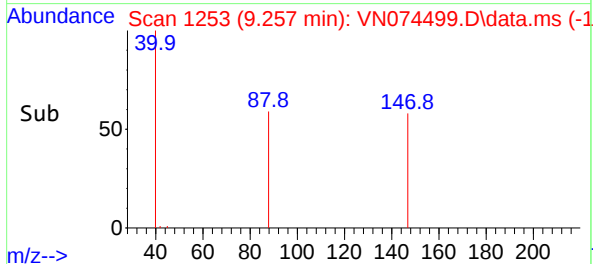
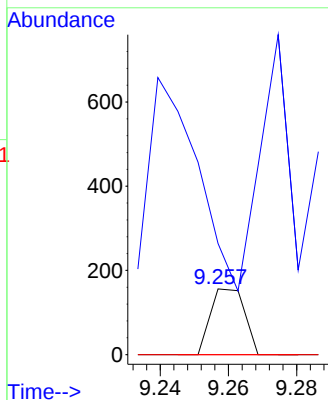
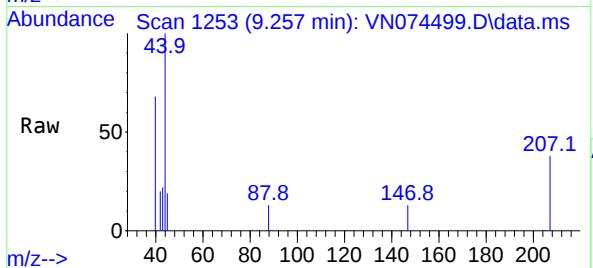




#49
1,4-Dioxane
Concen: 0.667 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

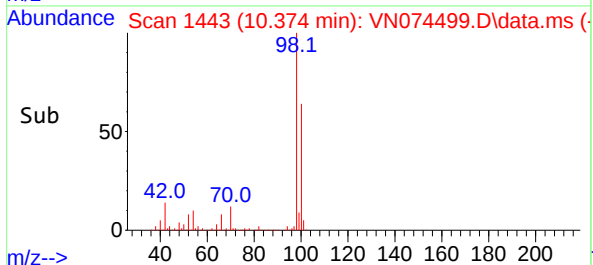
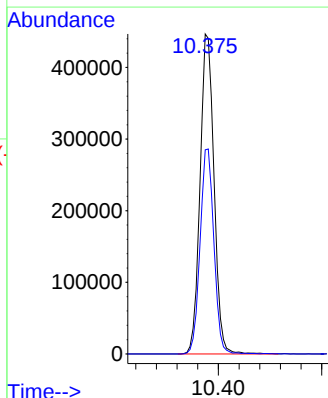
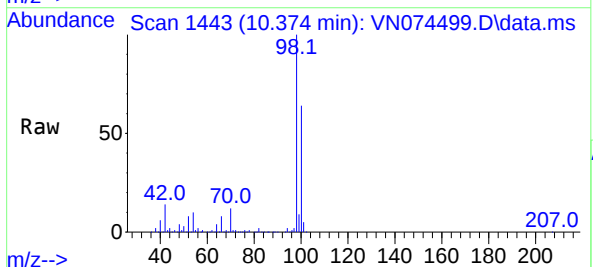
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

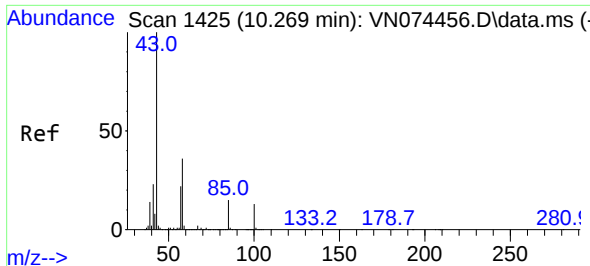
Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 438.5 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.391 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 98 Resp: 837639
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8

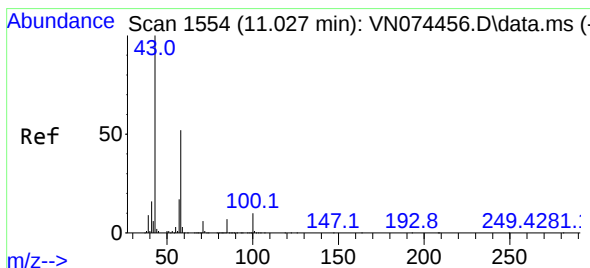
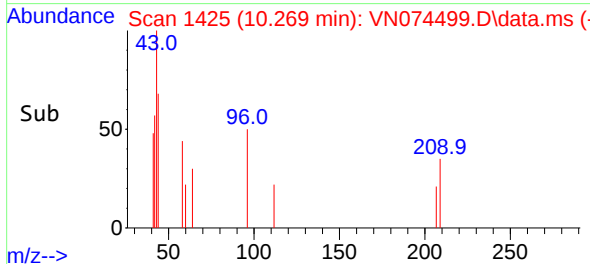
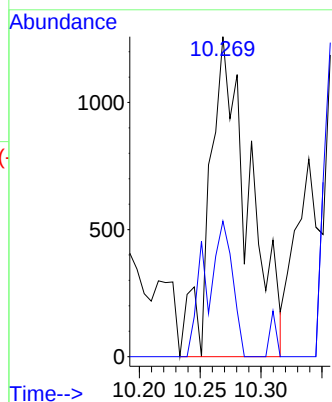
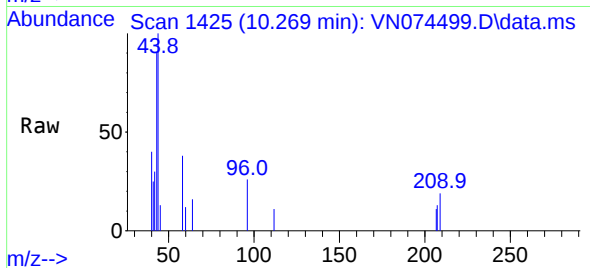




#51
4-Methyl-2-Pentanone
Concen: 0.226 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

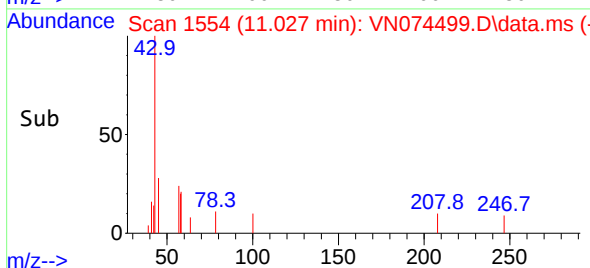
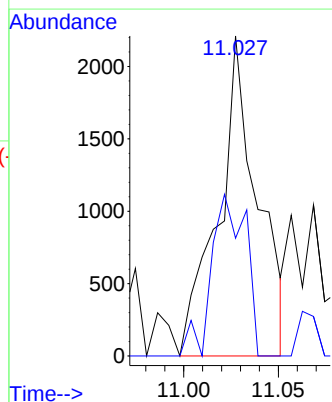
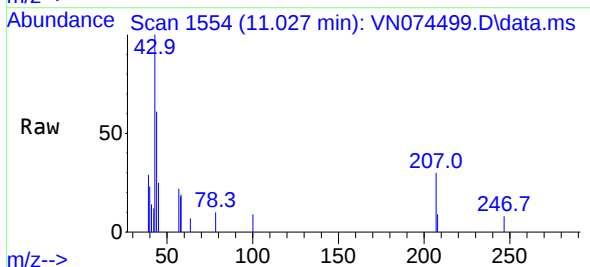
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

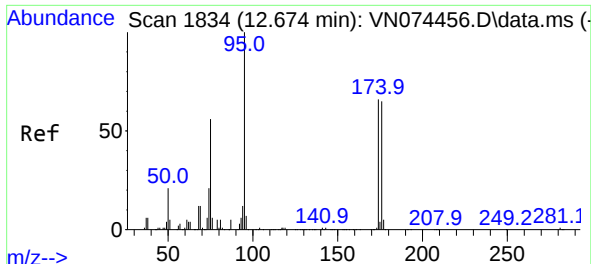
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 28.7 34.1 51.1#



#59
2-Hexanone
Concen: 0.333 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
58 44.0 29.7 89.1

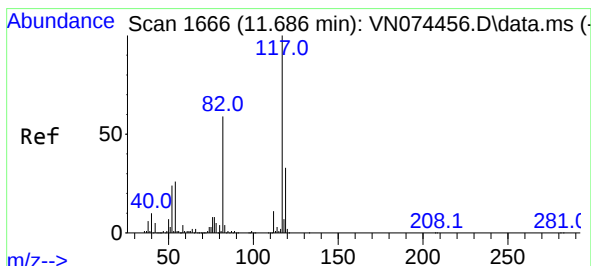
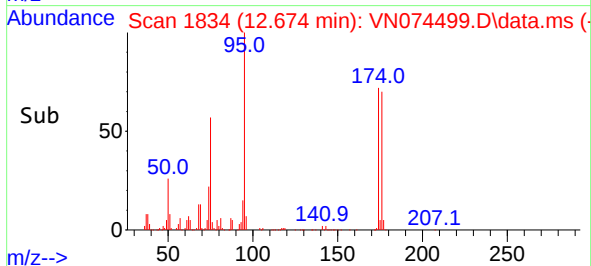
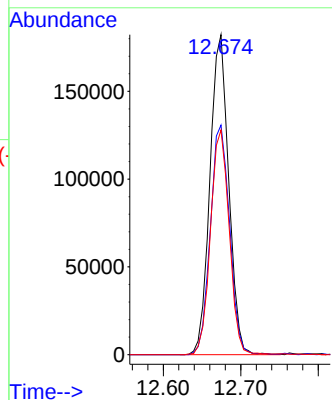
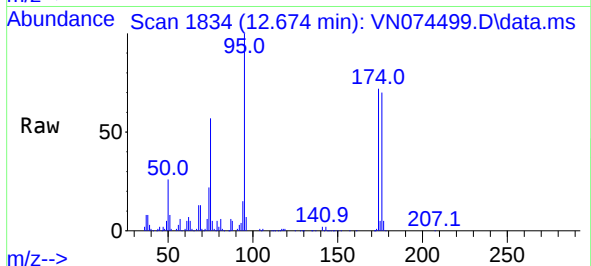




#62
4-Bromofluorobenzene
Concen: 51.660 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

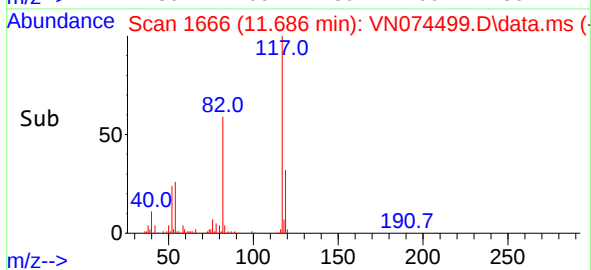
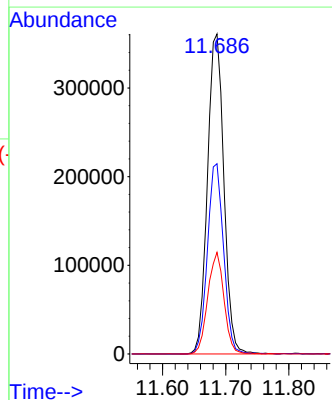
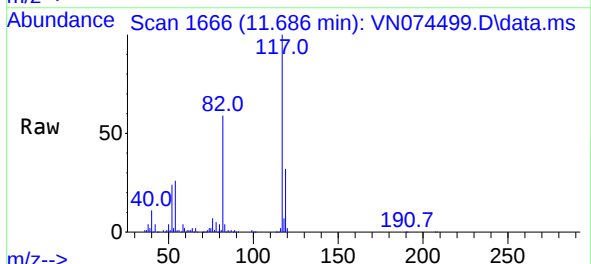
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

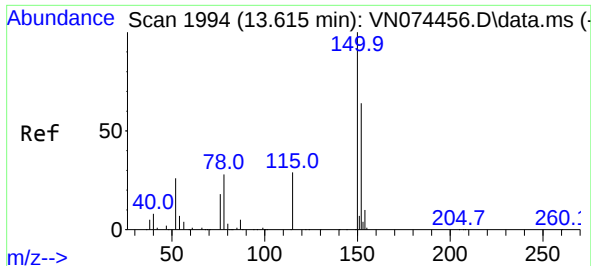
Tgt Ion: 95 Resp: 306263
Ion Ratio Lower Upper
95 100
174 73.7 0.0 167.6
176 70.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion: 117 Resp: 650663
Ion Ratio Lower Upper
117 100
82 59.5 44.2 66.2
119 31.8 25.4 38.0

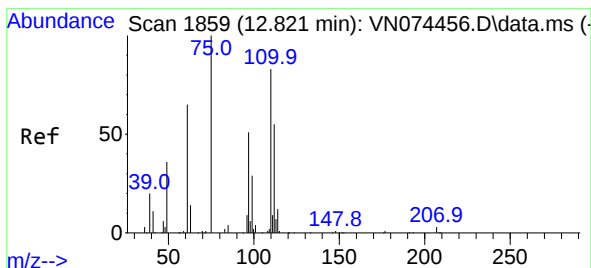
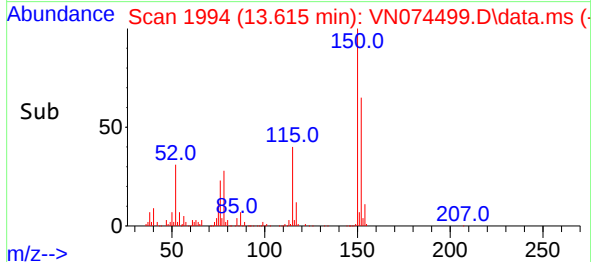
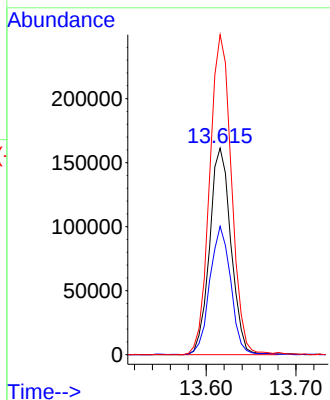
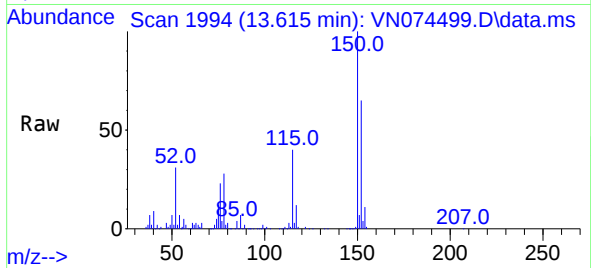




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074499.D
 Acq: 16 Sep 2022 10:31

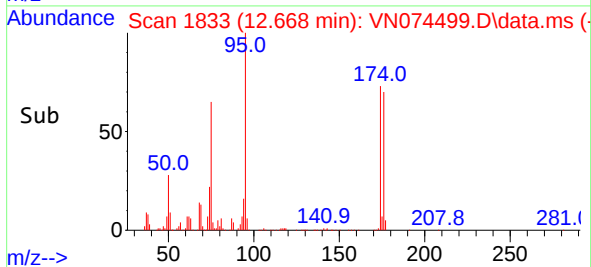
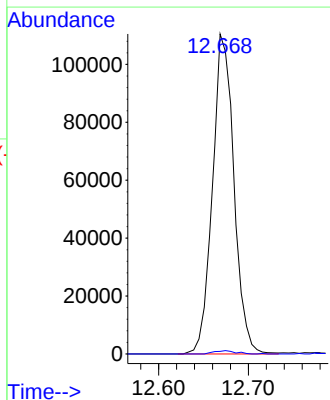
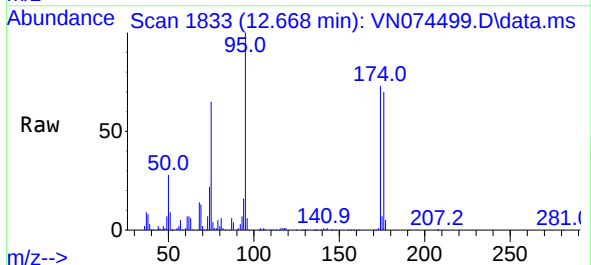
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBL01

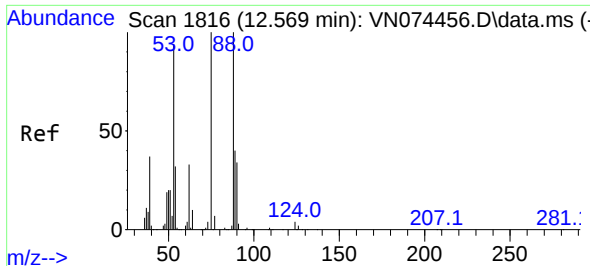
Tgt Ion:152 Resp: 266795
 Ion Ratio Lower Upper
 152 100
 115 61.2 28.9 86.7
 150 158.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.315 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074499.D
 Acq: 16 Sep 2022 10:31

Tgt Ion: 75 Resp: 183254
 Ion Ratio Lower Upper
 75 100
 77 1.0 98.5 295.5#

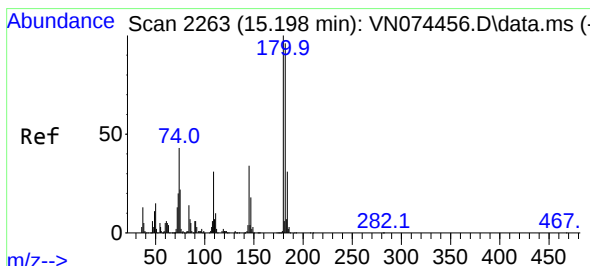
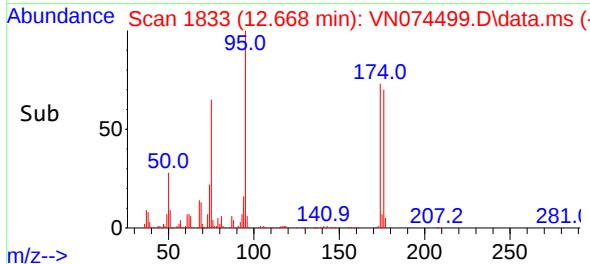
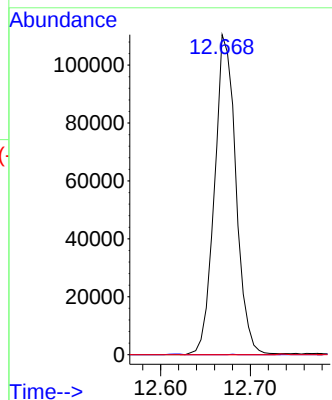
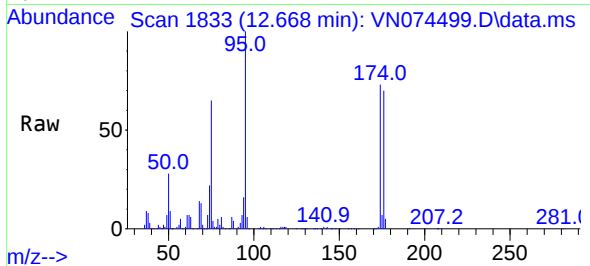




#81
trans-1,4-Dichloro-2-butene
Concen: 48.163 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.099 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

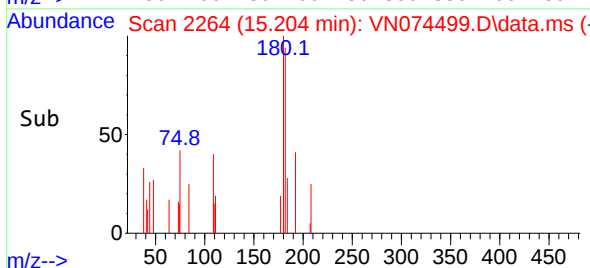
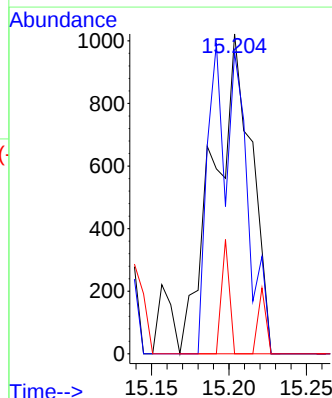
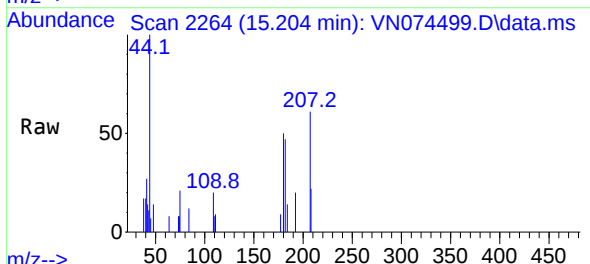
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

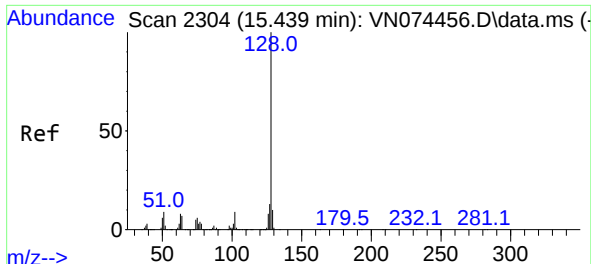
Tgt Ion: 75 Resp: 183254
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.330 ug/l
RT: 15.204 min Scan# 2264
Delta R.T. 0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion:180 Resp: 1748
Ion Ratio Lower Upper
180 100
182 87.1 47.5 142.5
145 7.4 14.5 43.5#

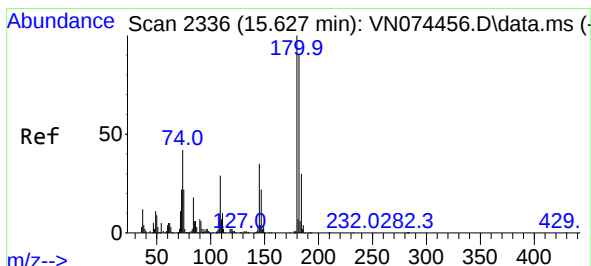
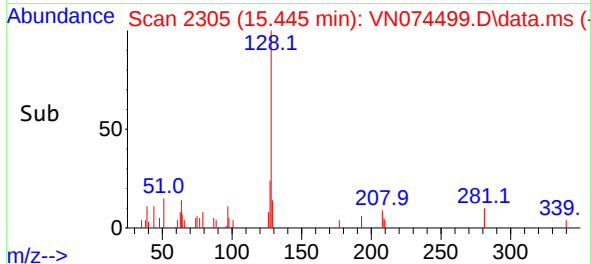
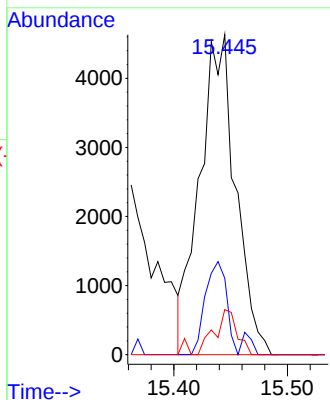
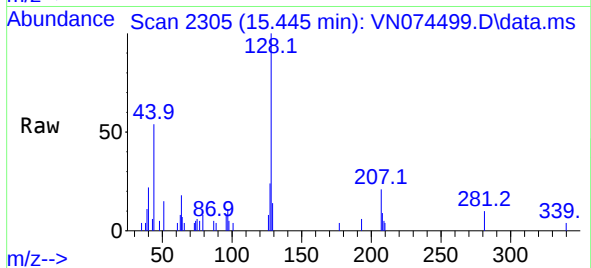




#95
Naphthalene
Concen: 2.020 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

Tgt Ion:128 Resp: 10159
Ion Ratio Lower Upper
128 100
127 17.2 10.3 15.5#
129 8.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.624 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074499.D
Acq: 16 Sep 2022 10:31

Tgt Ion:180 Resp: 1619
Ion Ratio Lower Upper
180 100
182 140.5 47.8 143.3
145 25.3 15.5 46.5

