

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073962.D
 Acq On : 16 Aug 2022 20:43
 Operator : JC\MD
 Sample : N4203-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33105

Quant Time: Aug 17 01:23:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

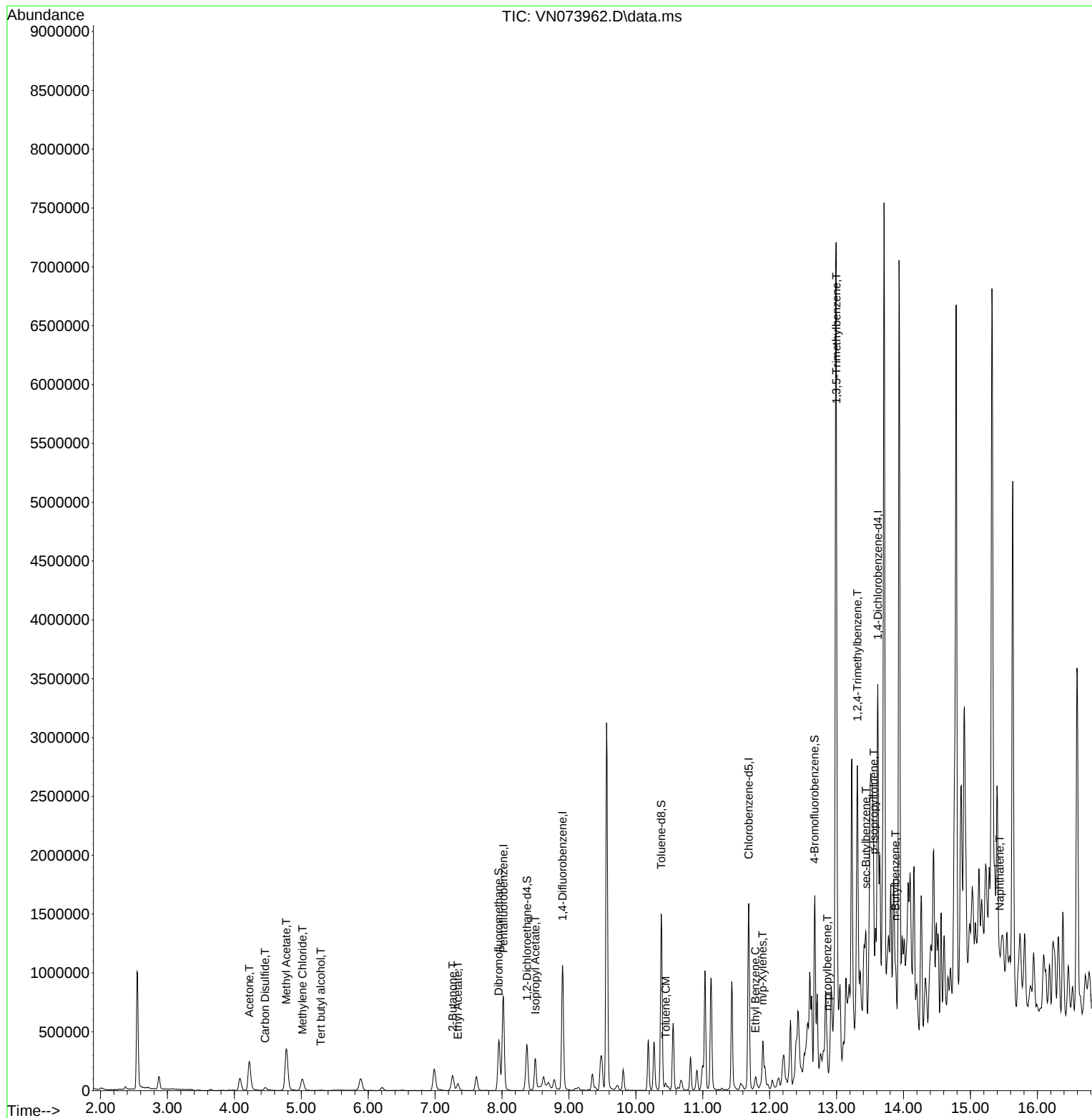
Internal Standards						
1) Pentafluorobenzene	8.022	168	690124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1000472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	981897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	575137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	320952	47.748	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.500%
35) Dibromofluoromethane	7.951	113	316492	53.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.980%
50) Toluene-d8	10.381	98	1071860	46.776	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.560%
62) 4-Bromofluorobenzene	12.669	95	479606	63.064	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.120%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.293	59	8895	5.916	ug/l #	80
16) Acetone	4.222	43	463271	146.085	ug/l	97
17) Carbon Disulfide	4.457	76	24167	1.866	ug/l	96
18) Methyl Acetate	4.775	43	713983	92.232	ug/l	98
20) Methylene Chloride	5.016	84	86365	12.906	ug/l	96
25) 2-Butanone	7.263	43	183360	36.465	ug/l	100
37) Ethyl Acetate	7.340	43	93655	9.407	ug/l	99
43) Isopropyl Acetate	8.498	43	309863	21.847	ug/l #	92
52) Toluene	10.445	92	25398	1.428	ug/l	98
67) Ethyl Benzene	11.786	91	36631	1.056	ug/l	94
68) m/p-Xylenes	11.892	106	31309	2.220	ug/l	91
78) n-propylbenzene	12.863	91	88912	1.992	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	259716	7.624	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	1333067	39.188	ug/l	97
85) sec-Butylbenzene	13.439	105	158654	3.905	ug/l	78
86) p-Isopropyltoluene	13.557	119	193573	5.592	ug/l #	78
89) n-Butylbenzene	13.880	91	218927	7.985	ug/l #	76
95) Naphthalene	15.439	128	181759	4.512	ug/l #	86

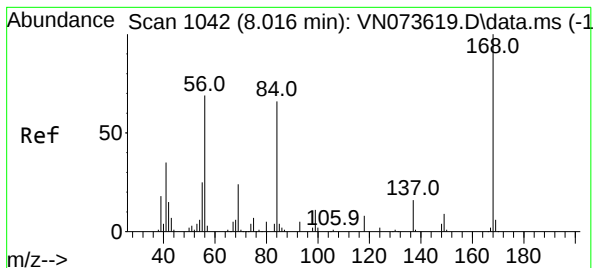
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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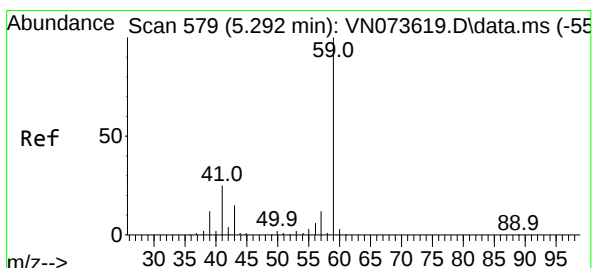
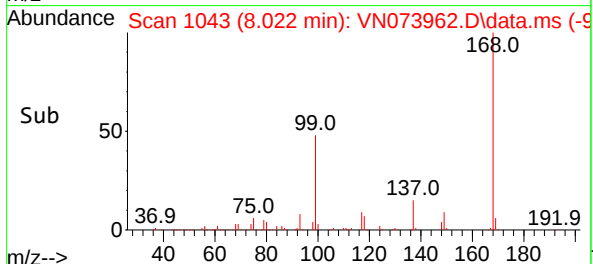
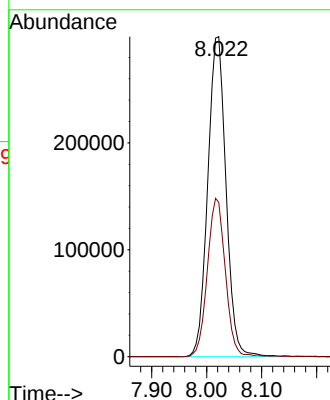
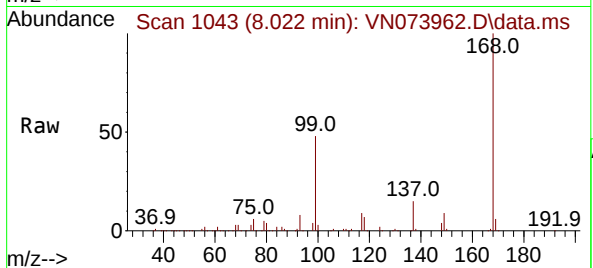




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

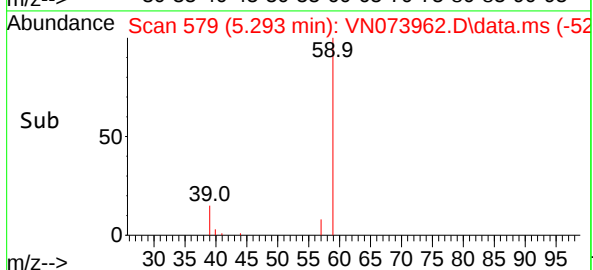
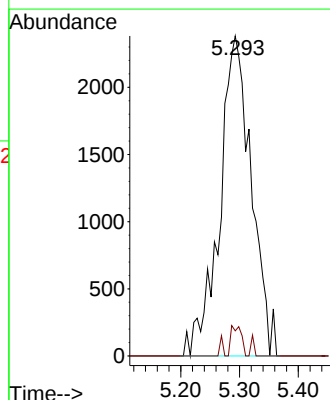
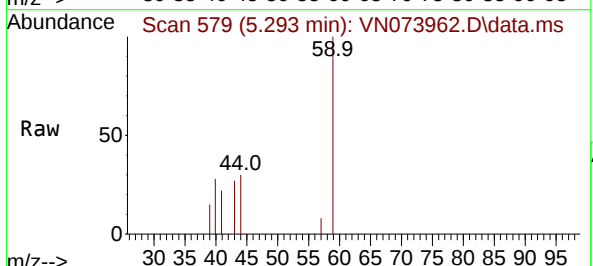
Instrument :
MSVOA_N
ClientSampleId :
33105

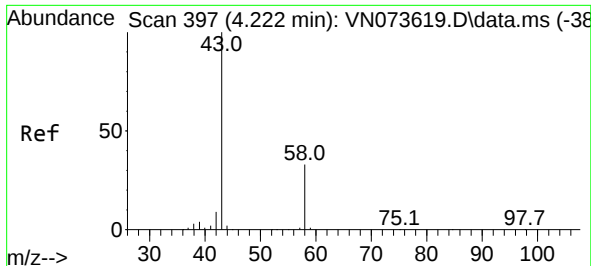
Tgt Ion:168 Resp: 690124
Ion Ratio Lower Upper
168 100
99 48.2 42.3 63.5



#11
Tert butyl alcohol
Concen: 5.916 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 59 Resp: 8895
Ion Ratio Lower Upper
59 100
57 3.1 8.3 12.5#

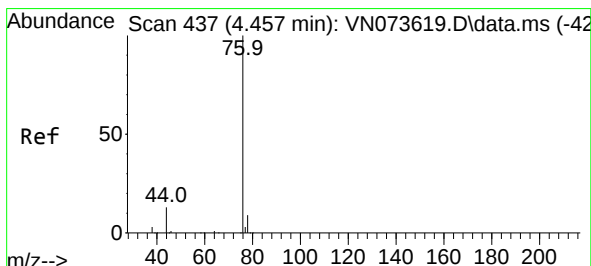
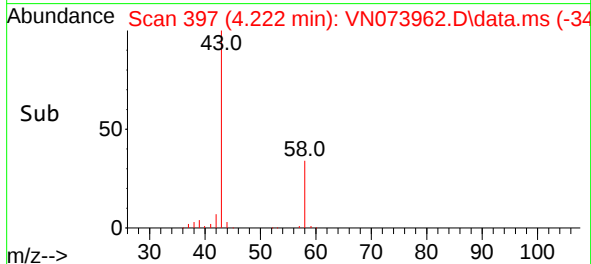
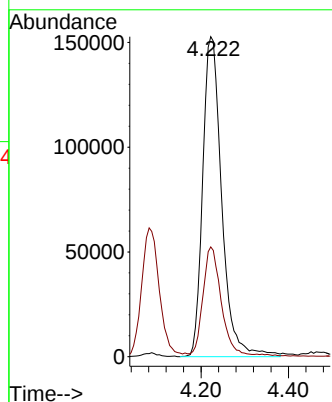
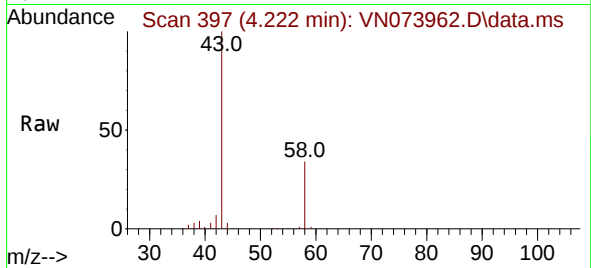




#16
Acetone
Concen: 146.085 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

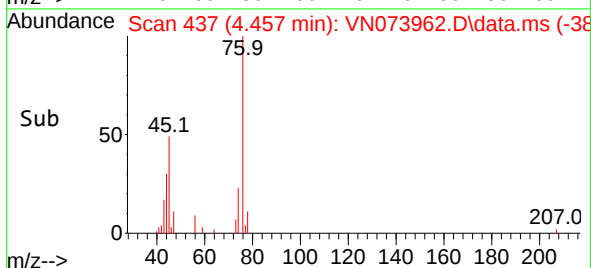
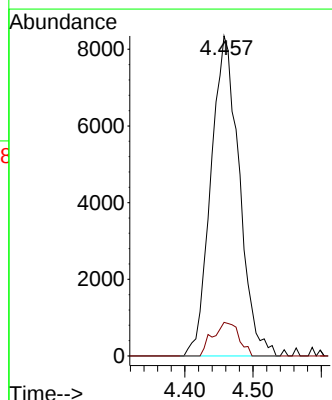
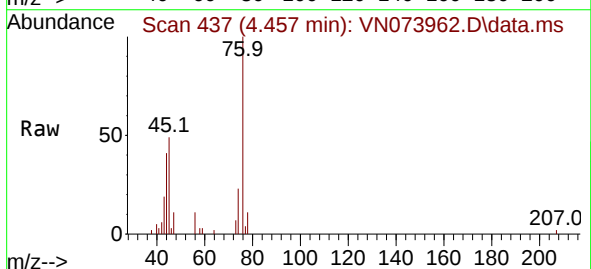
Instrument :
MSVOA_N
ClientSampleId :
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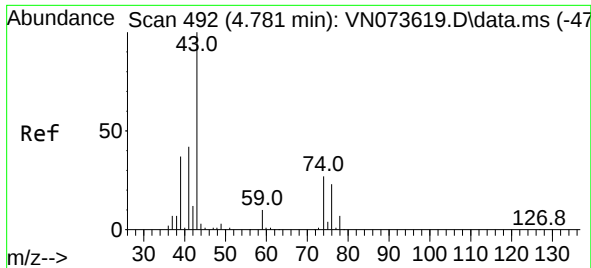
Tgt Ion: 43 Resp: 463271
Ion Ratio Lower Upper
43 100
58 34.0 26.0 39.0



#17
Carbon Disulfide
Concen: 1.866 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 76 Resp: 24167
Ion Ratio Lower Upper
76 100
78 10.5 7.2 10.8

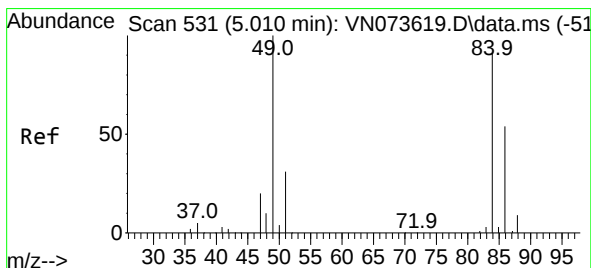
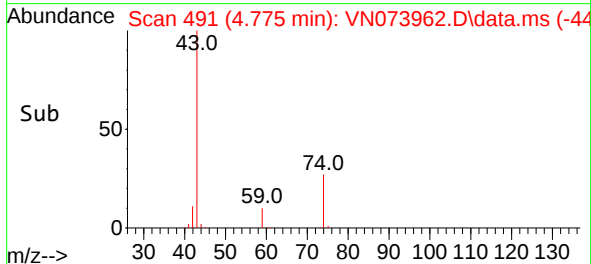
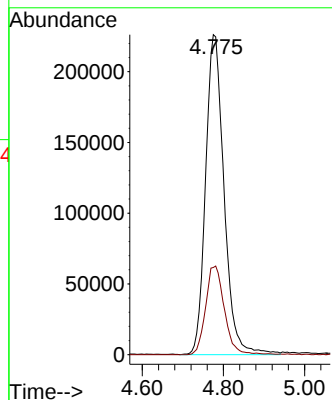
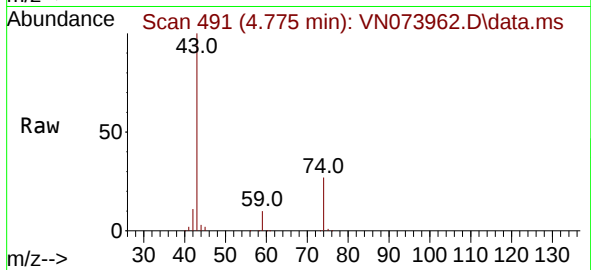




#18
Methyl Acetate
Concen: 92.232 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

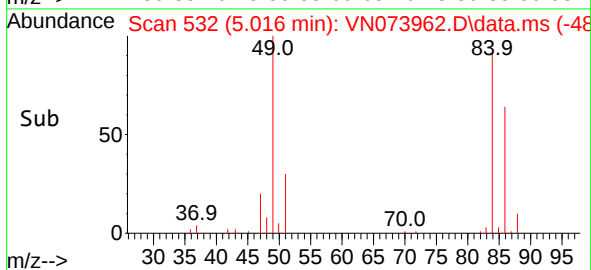
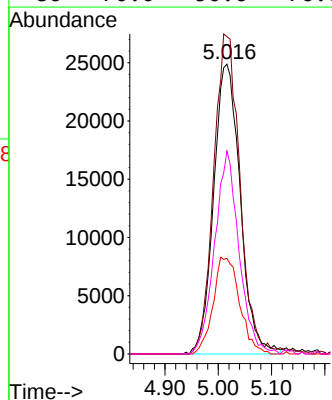
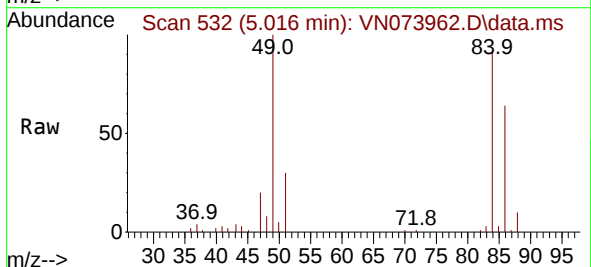
Instrument :
MSVOA_N
ClientSampleId :
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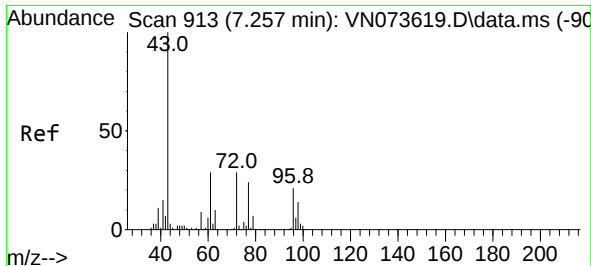
Tgt Ion: 43 Resp: 713983
Ion Ratio Lower Upper
43 100
74 27.8 21.6 32.4



#20
Methylene Chloride
Concen: 12.906 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 84 Resp: 86365
Ion Ratio Lower Upper
84 100
49 109.5 88.3 132.5
51 33.0 28.2 42.2
86 70.0 50.6 76.0

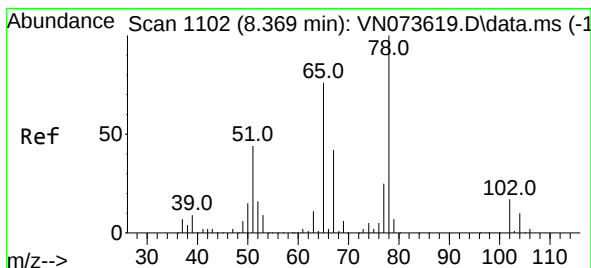
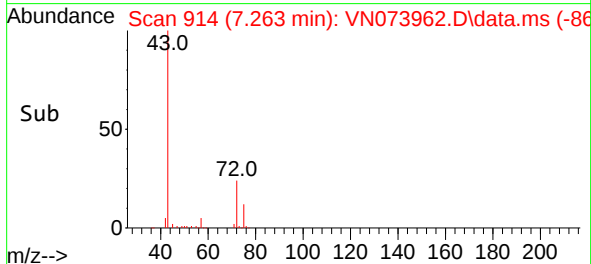
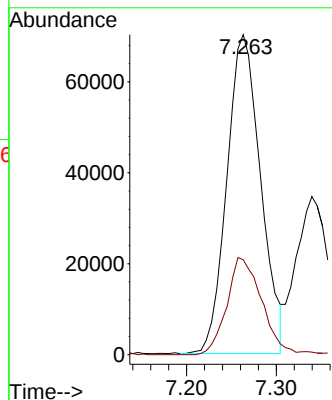
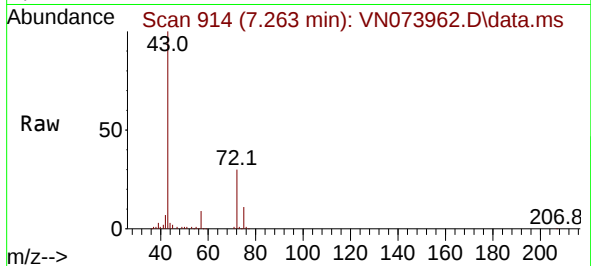




#25
2-Butanone
Concen: 36.465 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

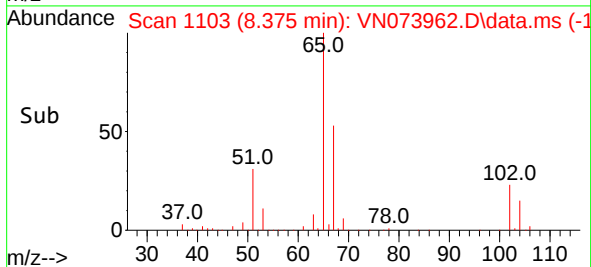
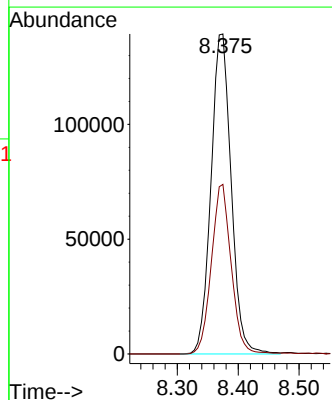
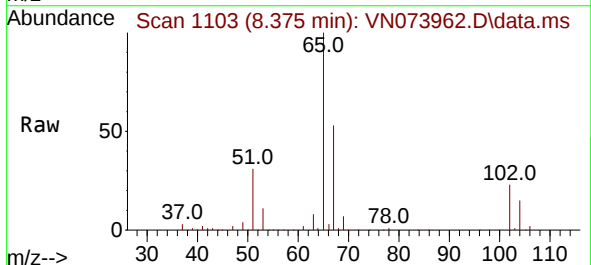
Instrument :
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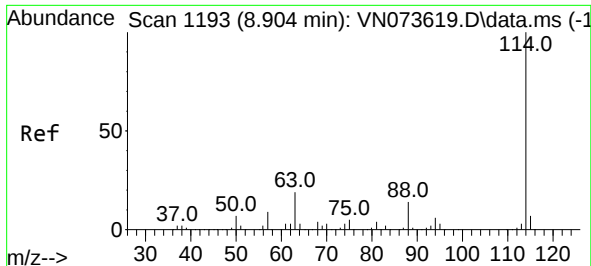
Tgt Ion: 43 Resp: 183360
Ion Ratio Lower Upper
43 100
72 29.8 23.7 35.5



#33
1,2-Dichloroethane-d4
Concen: 47.748 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 65 Resp: 320952
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

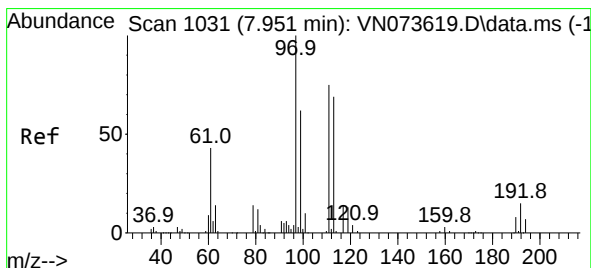
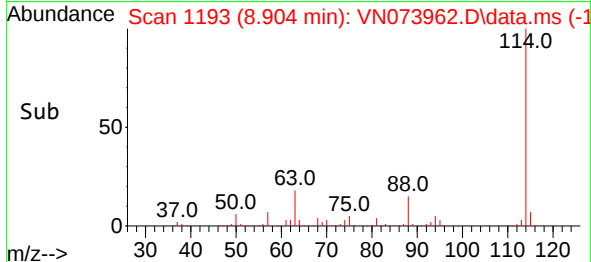
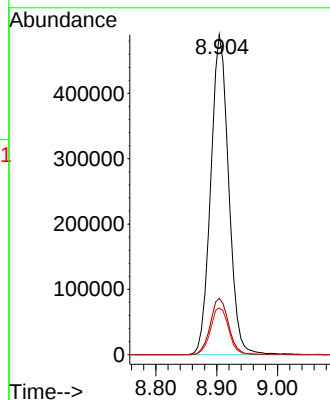
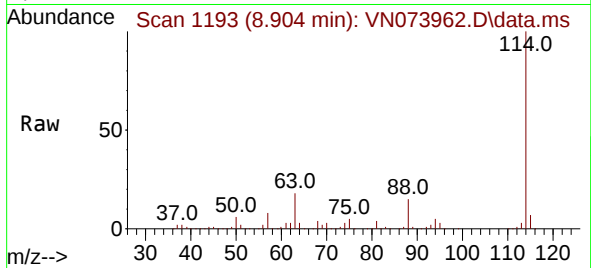




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

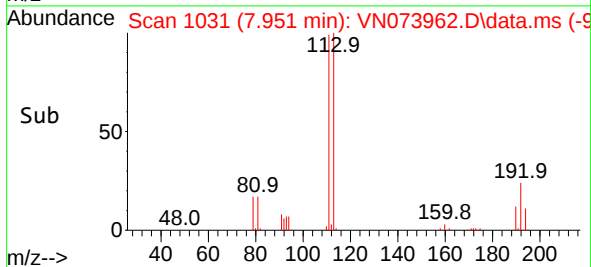
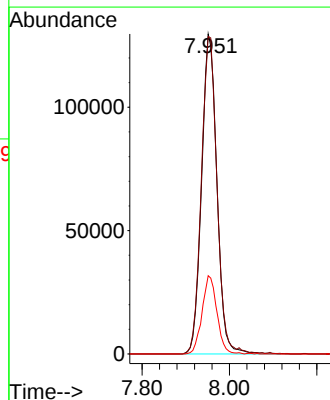
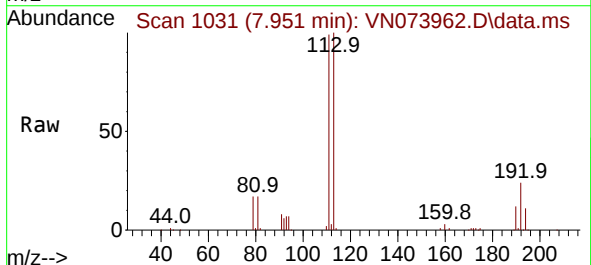
Instrument :
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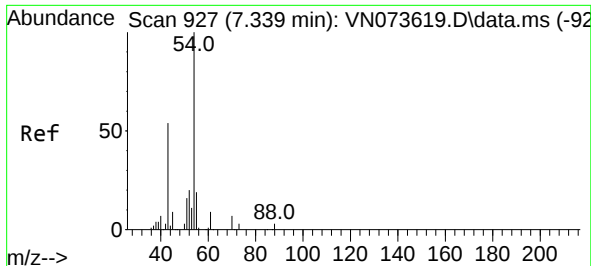
Tgt Ion:114 Resp: 1000472
Ion Ratio Lower Upper
114 100
63 17.6 0.0 40.0
88 14.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.491 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion:113 Resp: 316492
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 23.7 17.0 25.6

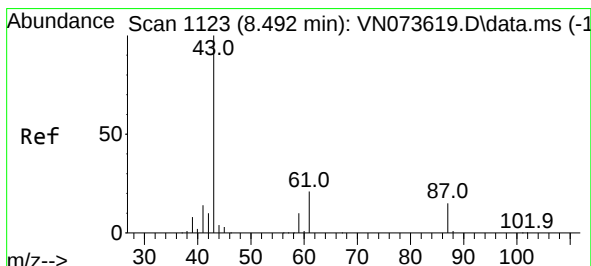
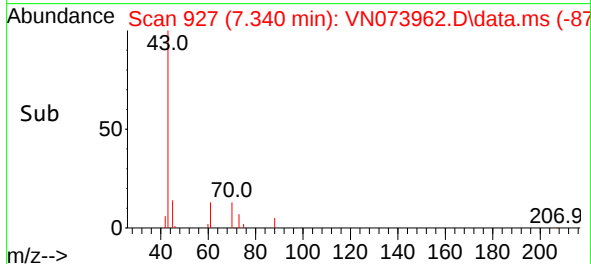
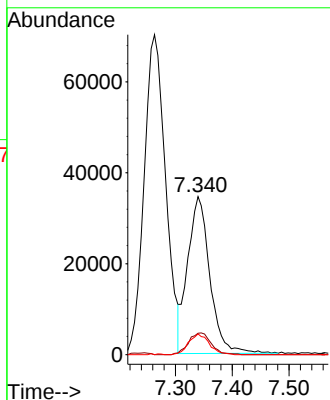
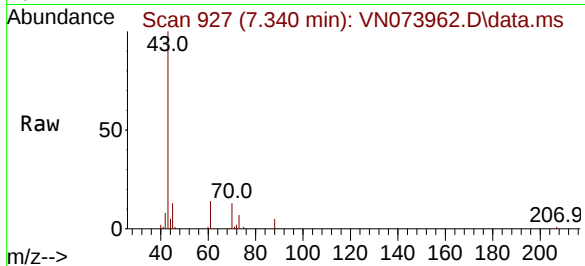




#37
Ethyl Acetate
Concen: 9.407 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.001 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

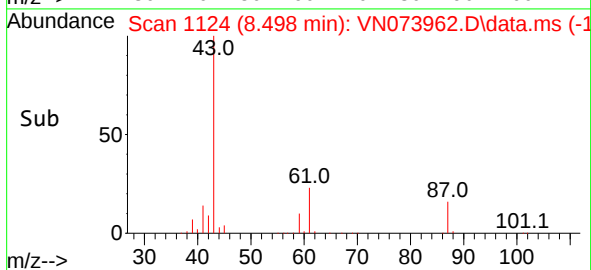
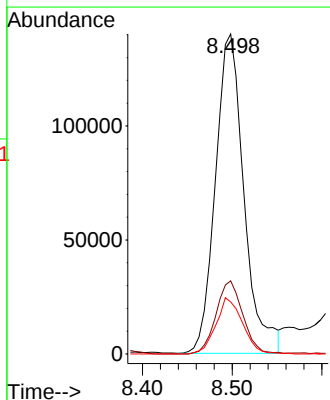
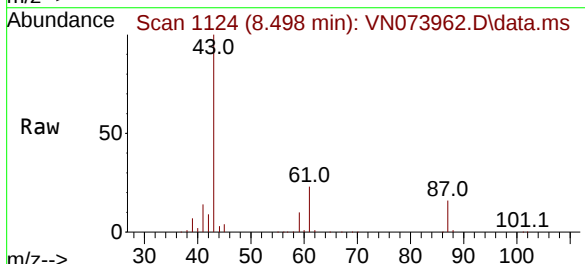
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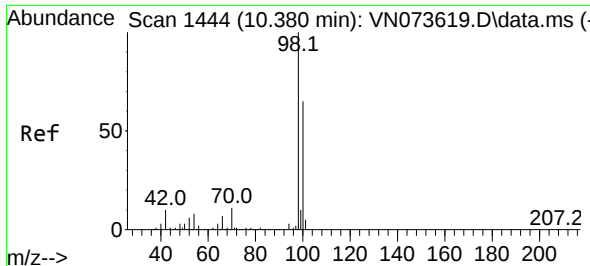
Tgt Ion: 43 Resp: 93655
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 12.2 9.3 13.9



#43
Isopropyl Acetate
Concen: 21.847 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 43 Resp: 309863
Ion Ratio Lower Upper
43 100
61 21.5 21.9 32.9#
87 16.4 12.0 18.0

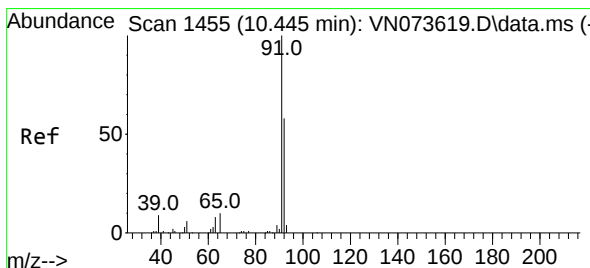
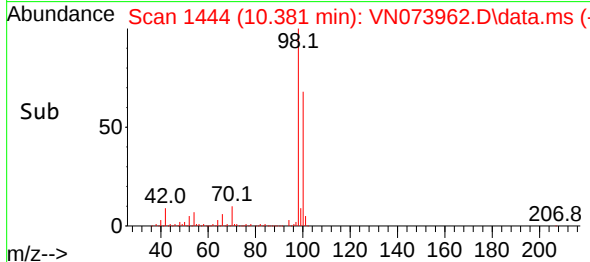
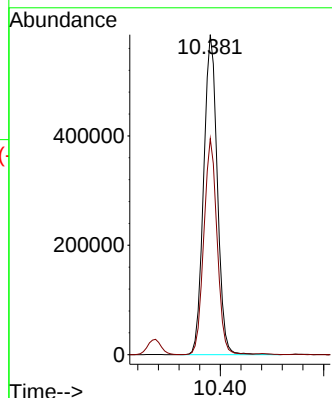
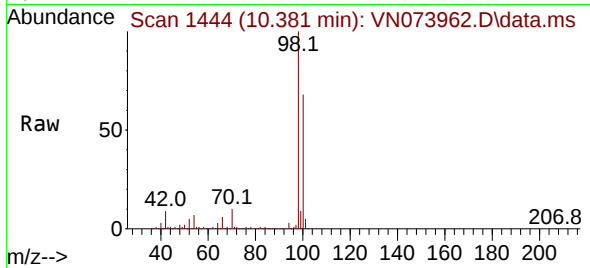




#50
Toluene-d8
Concen: 46.776 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

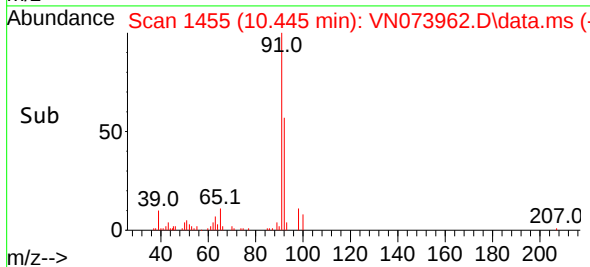
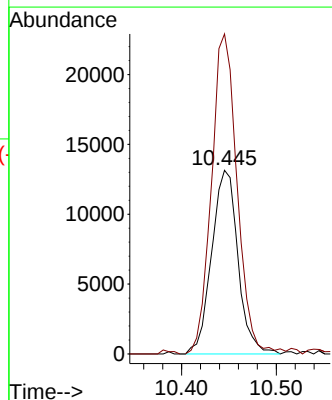
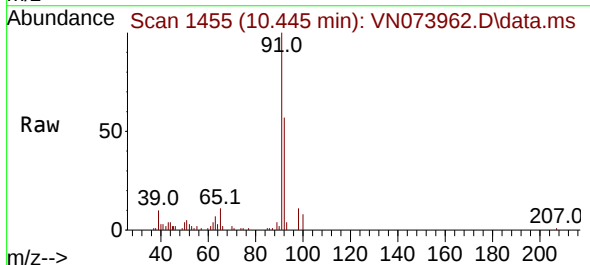
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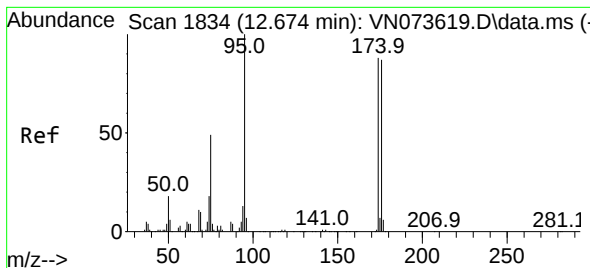
Tgt Ion: 98 Resp: 1071860
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#52
Toluene
Concen: 1.428 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 92 Resp: 25398
Ion Ratio Lower Upper
92 100
91 169.8 138.6 207.8

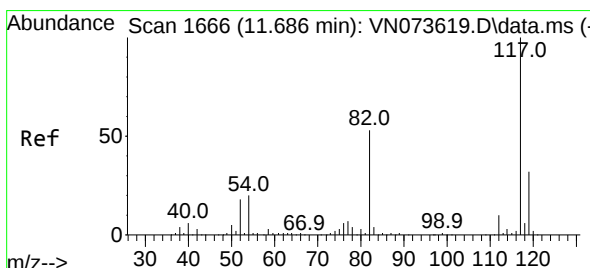
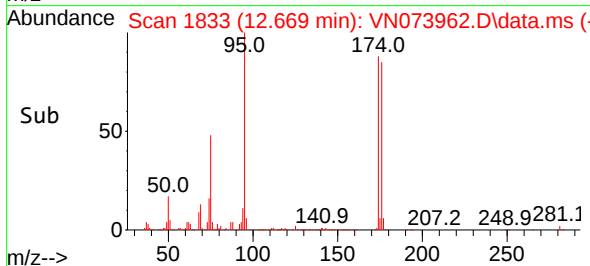
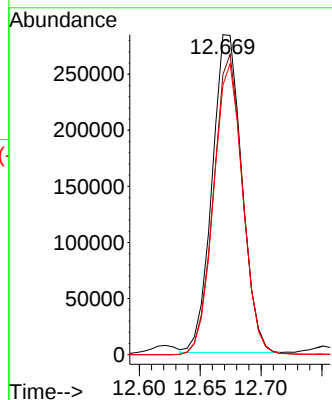
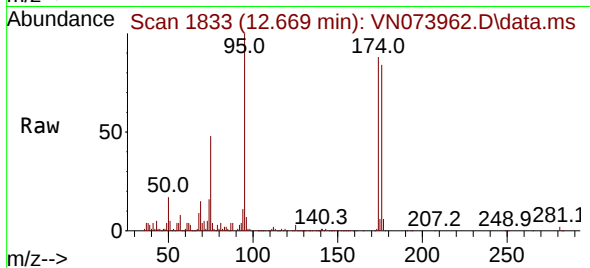




#62
4-Bromofluorobenzene
Concen: 63.064 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

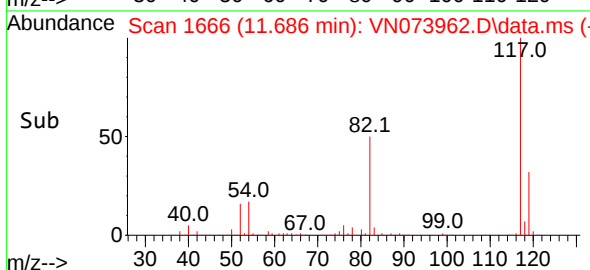
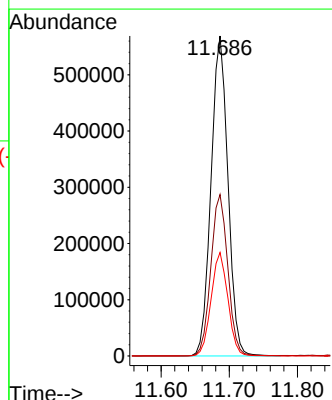
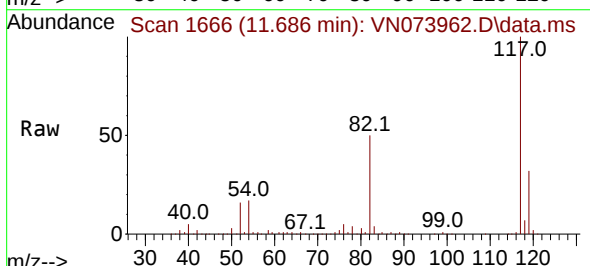
Instrument :
MSVOA_N
ClientSampleId :
33105

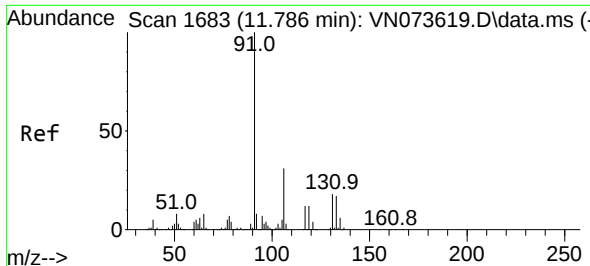
Tgt Ion: 95 Resp: 479606
Ion Ratio Lower Upper
95 100
174 92.7 0.0 167.6
176 90.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 117 Resp: 981897
Ion Ratio Lower Upper
117 100
82 50.4 44.2 66.2
119 32.3 25.4 38.0

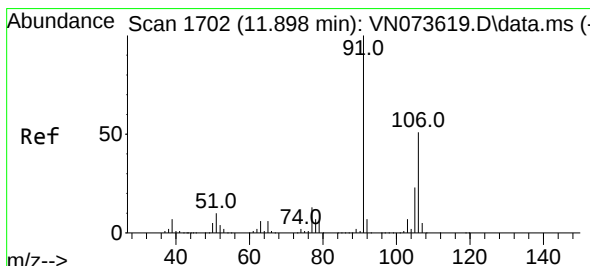
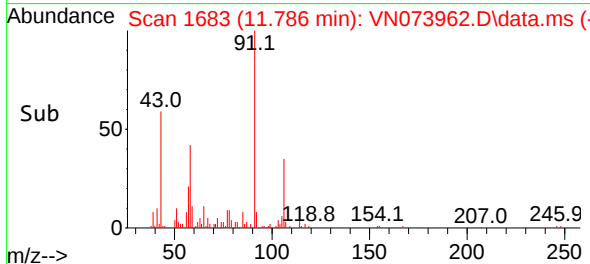
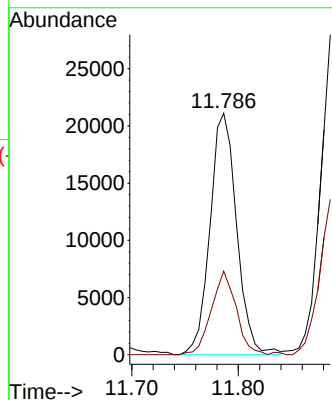
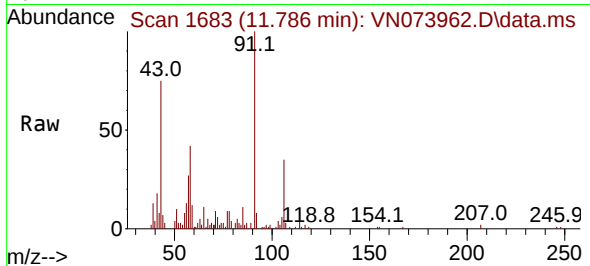




#67
Ethyl Benzene
Concen: 1.056 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

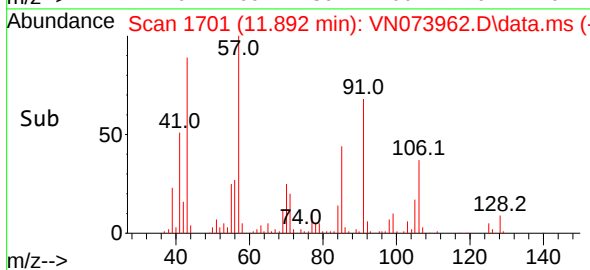
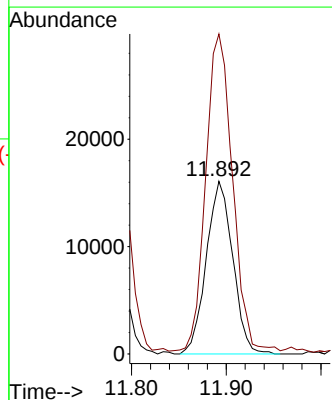
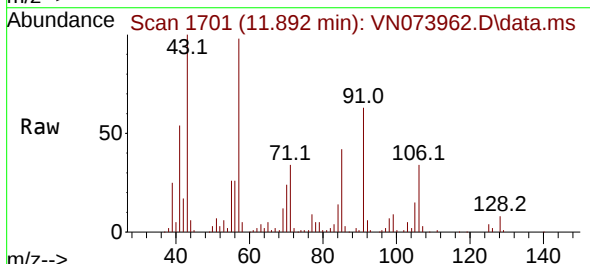
Instrument :
MSVOA_N
ClientSampleId :
33105

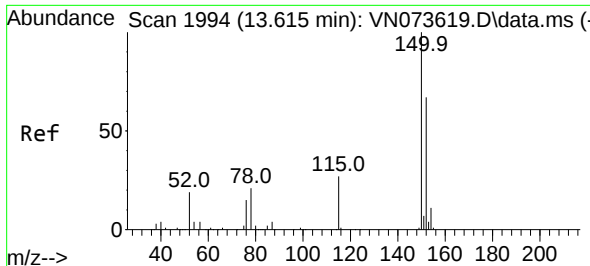
Tgt Ion: 91 Resp: 36631
Ion Ratio Lower Upper
91 100
106 34.6 24.9 37.3



#68
m/p-Xylenes
Concen: 2.220 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 106 Resp: 31309
Ion Ratio Lower Upper
106 100
91 185.1 158.9 238.3

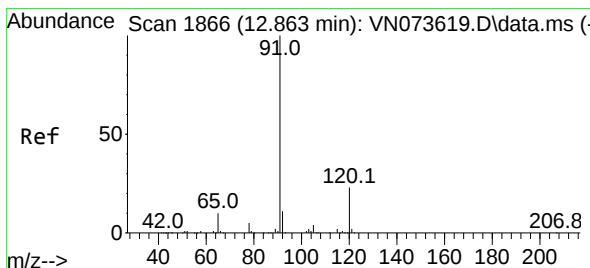
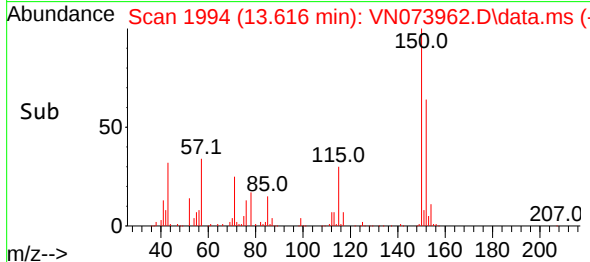
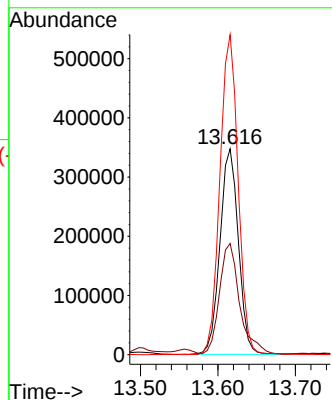
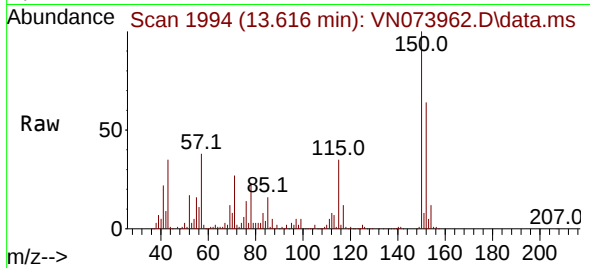




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

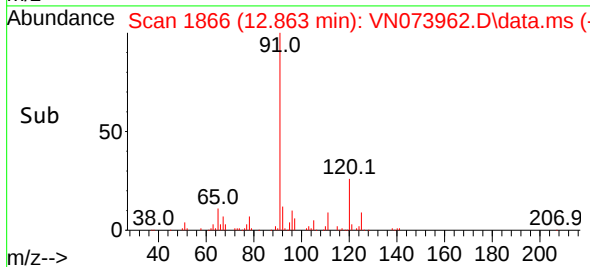
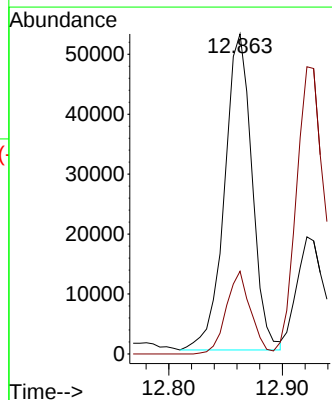
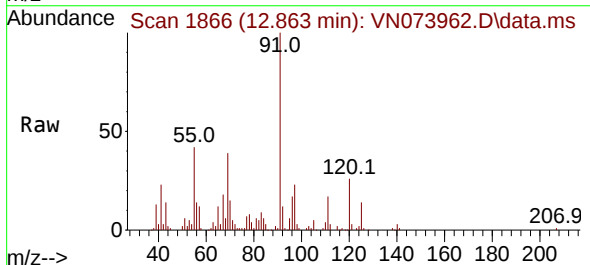
Instrument :
MSVOA_N
ClientSampleId :
33105

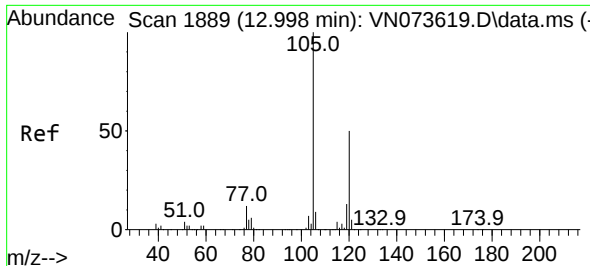
Tgt Ion:152 Resp: 575137
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 154.2 0.0 356.2



#78
n-propylbenzene
Concen: 1.992 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 91 Resp: 88912
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5

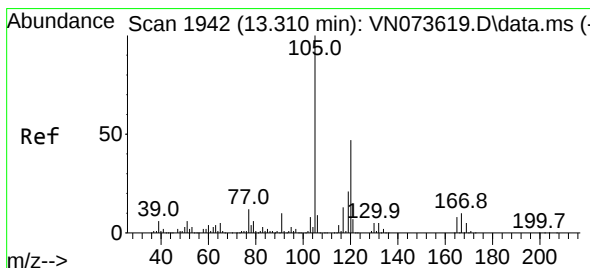
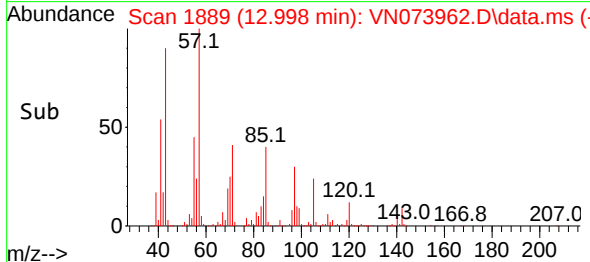
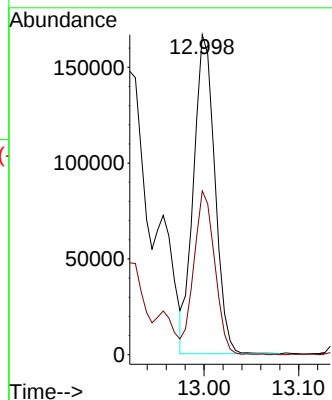
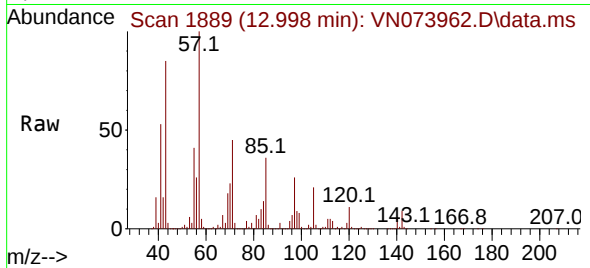




#80
1,3,5-Trimethylbenzene
Concen: 7.624 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

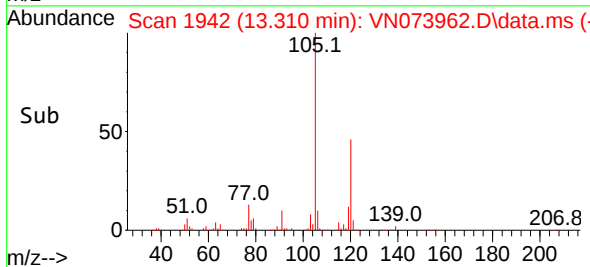
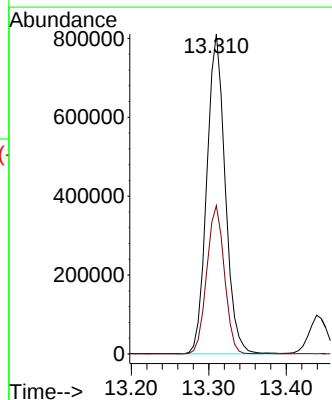
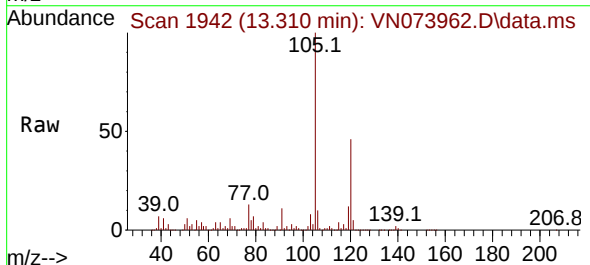
Instrument :
MSVOA_N
ClientSampleId :
33105

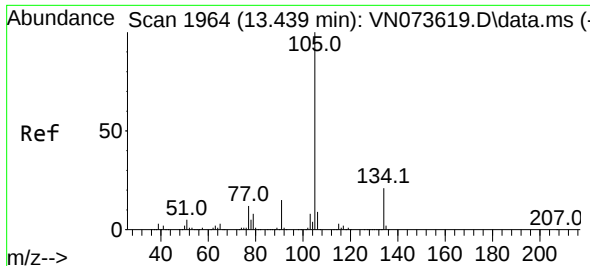
Tgt Ion:105 Resp: 259716
Ion Ratio Lower Upper
105 100
120 50.8 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 39.188 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion:105 Resp: 1333067
Ion Ratio Lower Upper
105 100
120 44.4 23.3 69.8

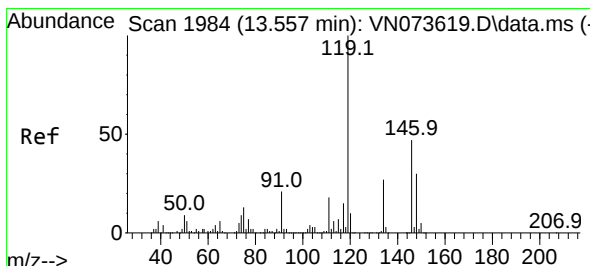
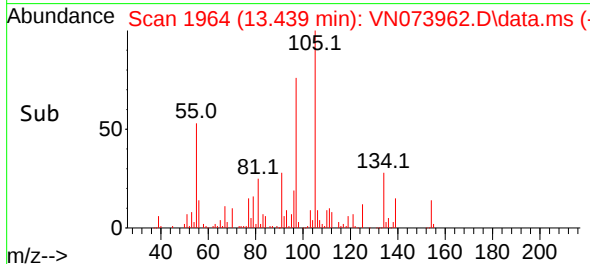
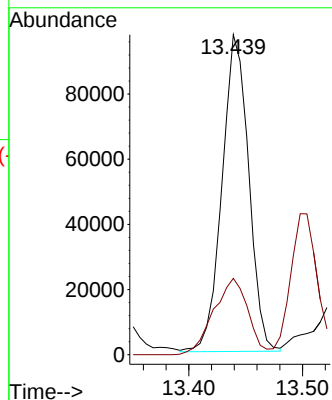
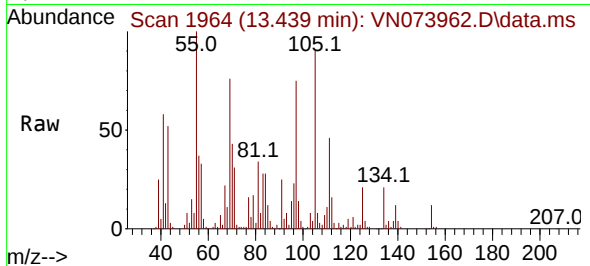




#85
 sec-Butylbenzene
 Concen: 3.905 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073962.D
 Acq: 16 Aug 2022 20:43

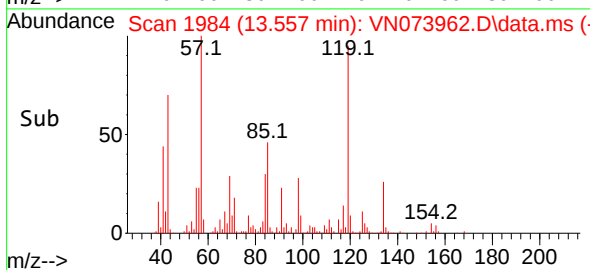
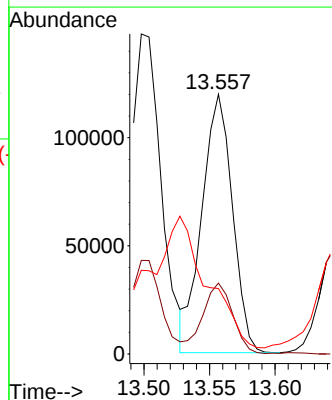
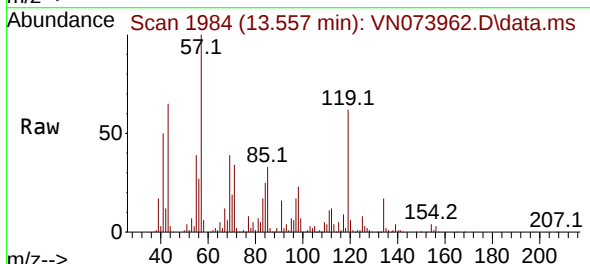
Instrument :
 MSVOA_N
 ClientSampleId :
 33105

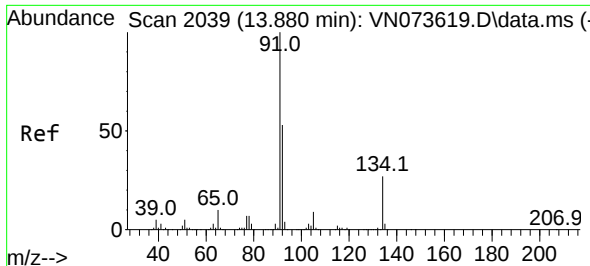
Tgt Ion:105 Resp: 158654
 Ion Ratio Lower Upper
 105 100
 134 30.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 5.592 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073962.D
 Acq: 16 Aug 2022 20:43

Tgt Ion:119 Resp: 193573
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 0.0 11.3 33.9#

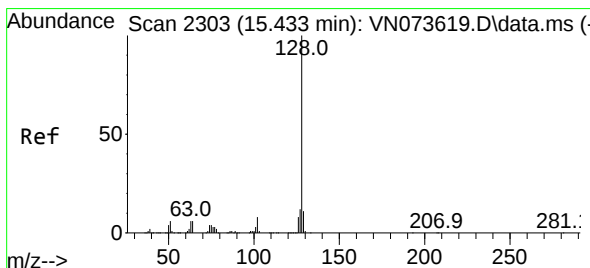
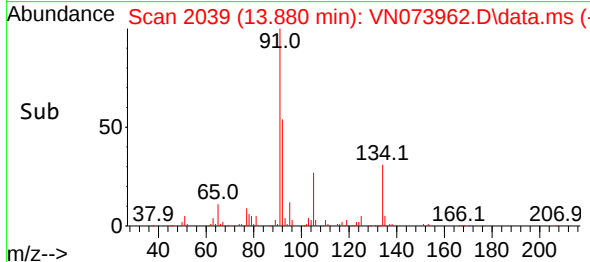
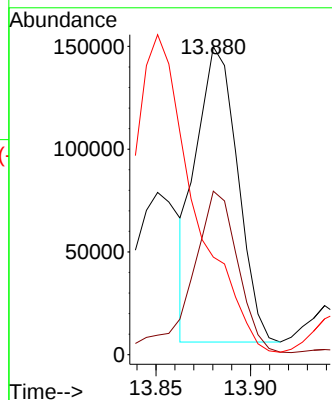
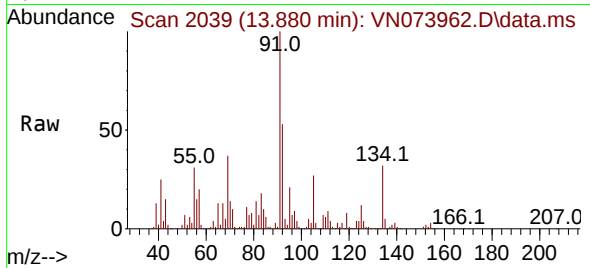




#89
n-Butylbenzene
Concen: 7.985 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Instrument :
MSVOA_N
ClientSampleId :
33105

Tgt Ion: 91 Resp: 218927
Ion Ratio Lower Upper
91 100
92 60.7 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073962.D
Acq: 16 Aug 2022 20:43

Tgt Ion: 128 Resp: 181759
Ion Ratio Lower Upper
128 100
127 21.7 10.3 15.5#
129 12.3 8.6 13.0

