

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073163.D
 Acq On : 27 Jun 2022 15:38
 Operator : JC\MD
 Sample : N3494-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-6-GR

Quant Time: Jun 28 06:37:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

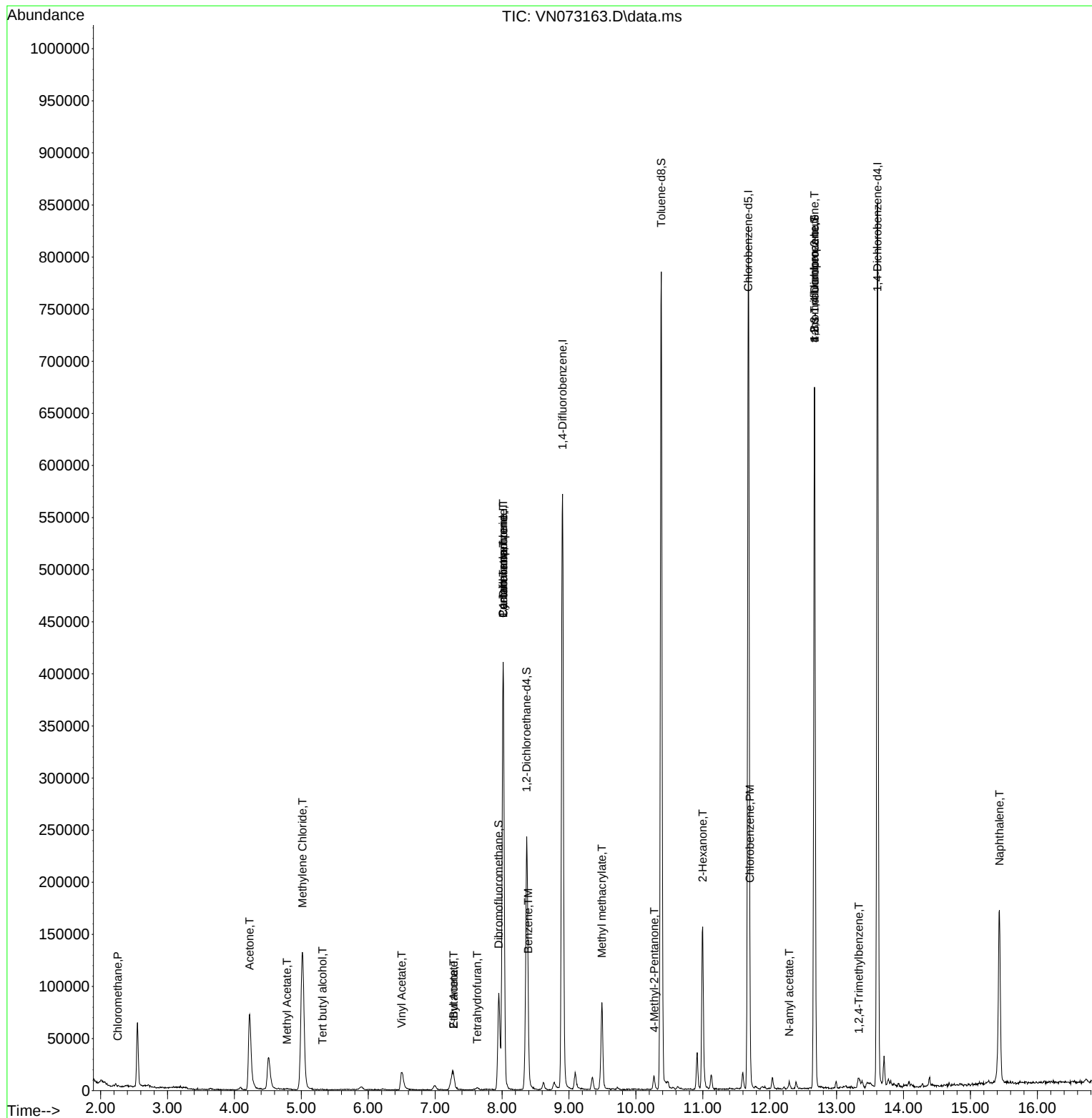
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	310283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	512794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	469118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	226771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191287	45.599	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.200%
35) Dibromofluoromethane	7.951	113	66956	21.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	42.240%#
50) Toluene-d8	10.380	98	538465	45.656	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.320%
62) 4-Bromofluorobenzene	12.669	95	232080	54.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	394	0.692	ug/l #	43
11) Tert butyl alcohol	5.316	59	416	0.384	ug/l #	72
16) Acetone	4.228	43	137311	59.547	ug/l	93
18) Methyl Acetate	4.787	43	2310	0.376	ug/l #	70
20) Methylene Chloride	5.016	84	110292	30.743	ug/l	95
23) Vinyl Acetate	6.498	43	3458	0.317	ug/l #	68
25) 2-Butanone	7.275	43	27638	7.553	ug/l	92
26) 2,2-Dichloropropane	7.239	77	211	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	1595	0.660	ug/l #	54
31) Cyclohexane	8.016	56	6513	1.148	ug/l #	29
36) 1,1-Dichloropropene	8.016	75	25406	5.924	ug/l #	48
37) Ethyl Acetate	7.275	43	27638	4.029	ug/l #	67
38) Carbon Tetrachloride	8.016	117	32868	7.286	ug/l #	17
40) Benzene	8.392	78	5713	0.424	ug/l	94
48) Methyl methacrylate	9.492	41	8376	1.871	ug/l #	40
51) 4-Methyl-2-Pentanone	10.275	43	9860	1.542	ug/l	87
59) 2-Hexanone	10.998	43	135748	27.447	ug/l #	21
65) Chlorobenzene	11.704	112	5624	0.614	ug/l	99
74) N-amyl acetate	12.292	43	5063	0.556	ug/l #	44
76) 1,2,3-Trichloropropane	12.669	75	119865	21.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	119865	58.878	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.333	105	4090	0.285	ug/l #	32
92) 1,2-Dibromo-3-Chloropr...	14.674	75	55	Below Cal	#	1
95) Naphthalene	15.433	128	176653	10.084	ug/l	99

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

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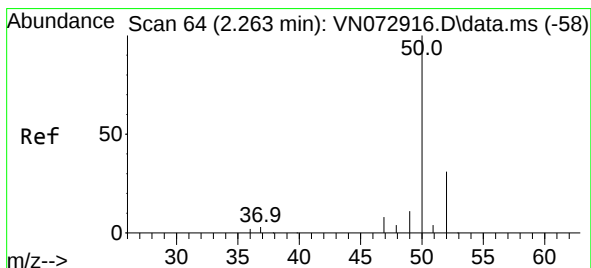
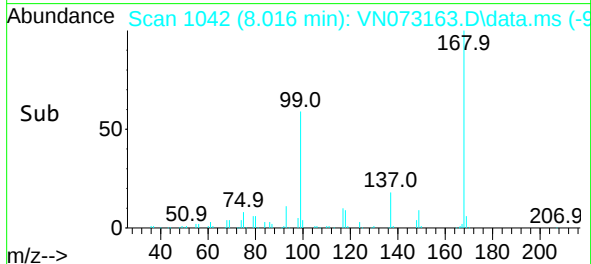
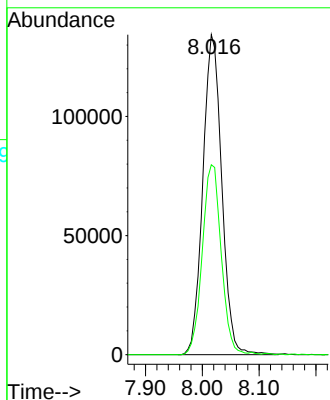
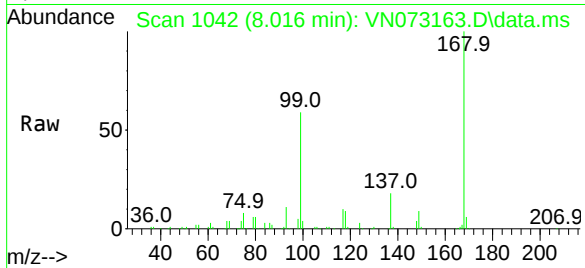




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

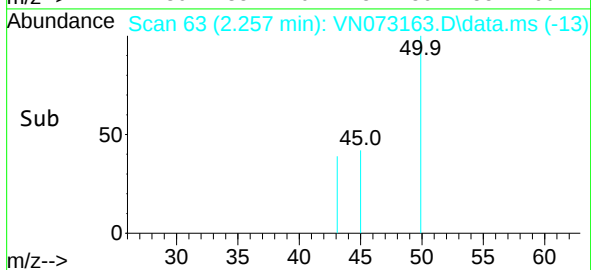
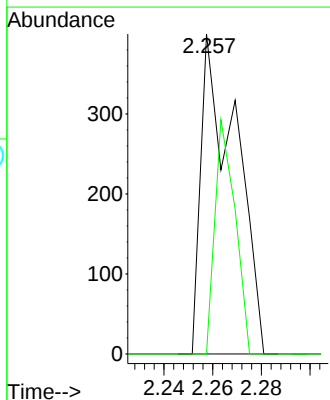
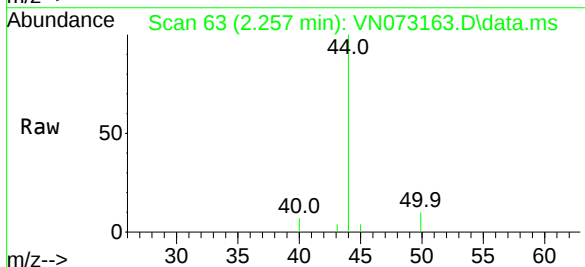
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

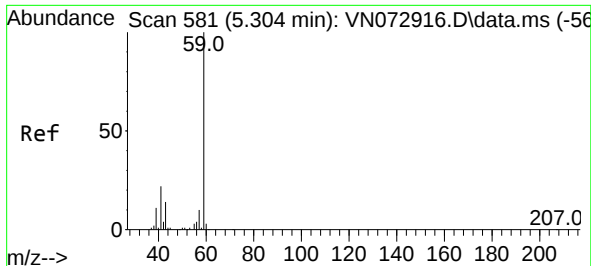
Tgt Ion:168 Resp: 310283
Ion Ratio Lower Upper
168 100
99 59.4 42.3 63.5



#3
Chloromethane
Concen: 0.692 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

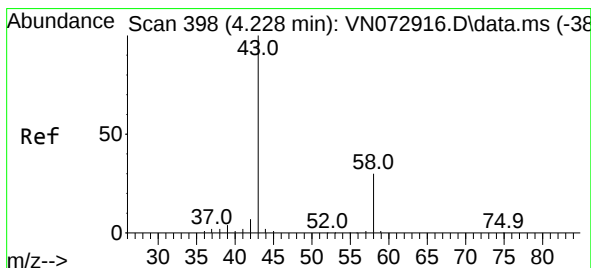
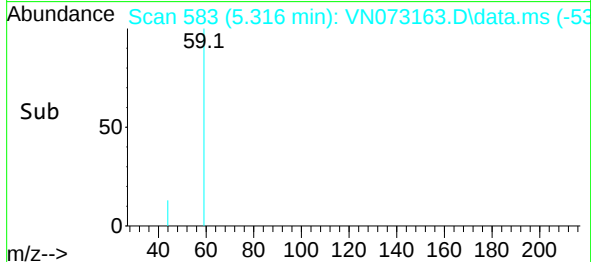
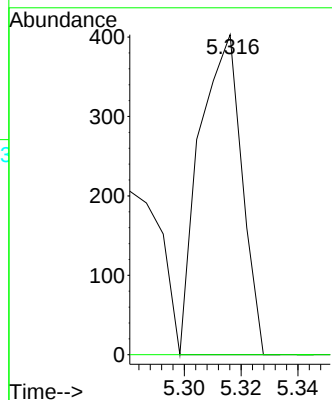
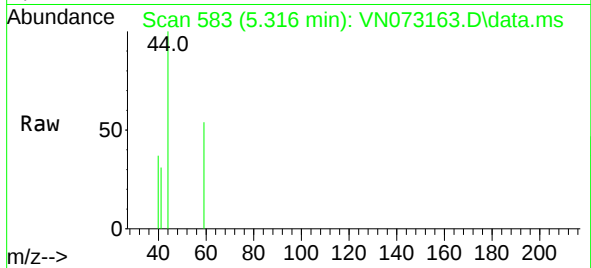




#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.316 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

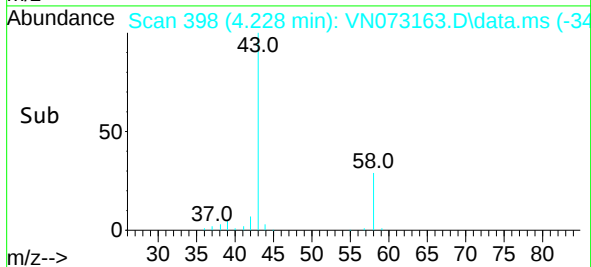
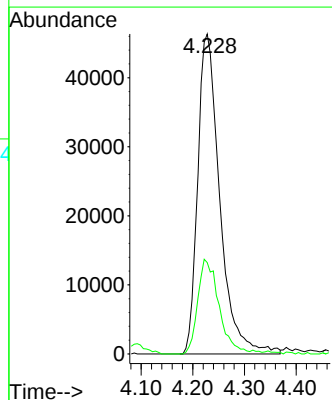
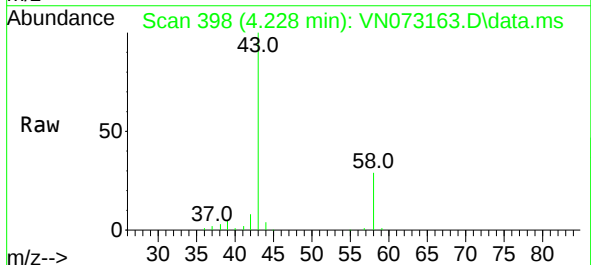
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

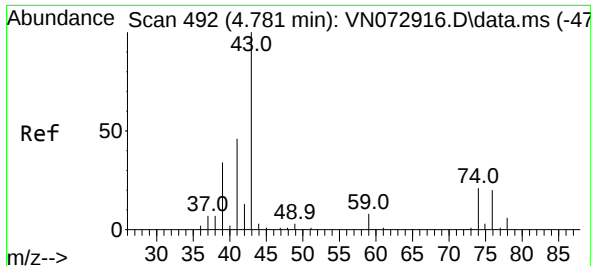
Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 59.547 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 43 Resp: 137311
Ion Ratio Lower Upper
43 100
58 28.5 26.0 39.0

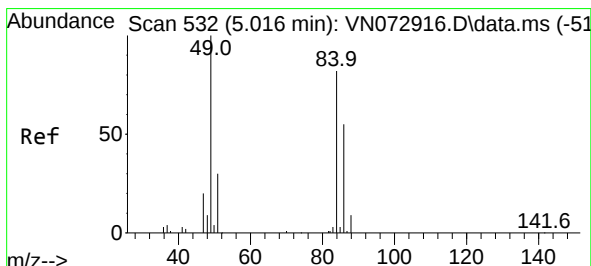
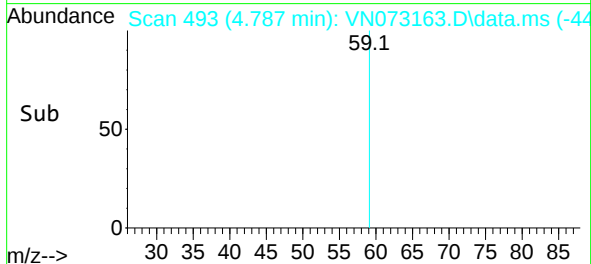
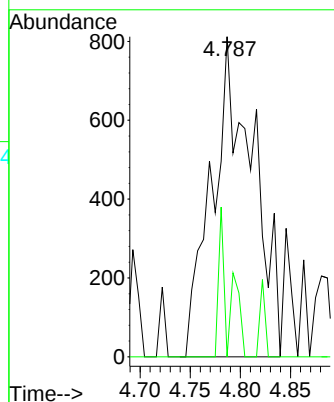
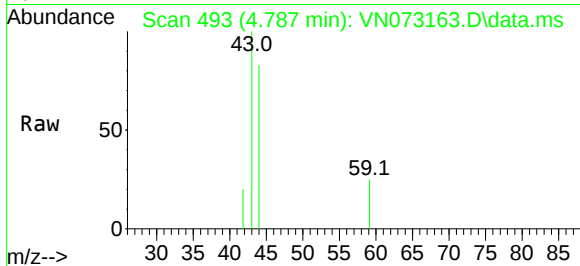




#18
Methyl Acetate
Concen: 0.376 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

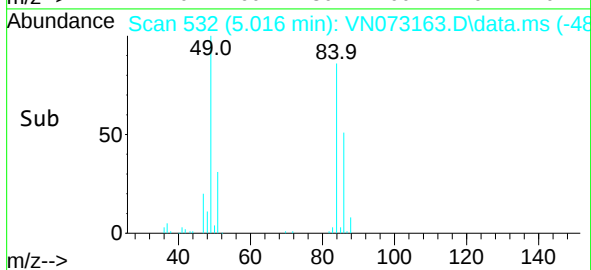
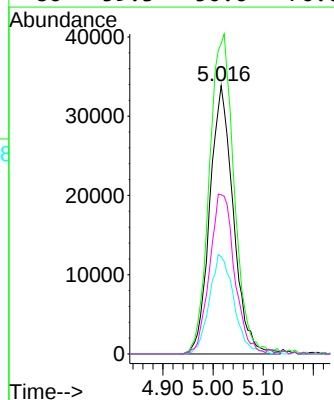
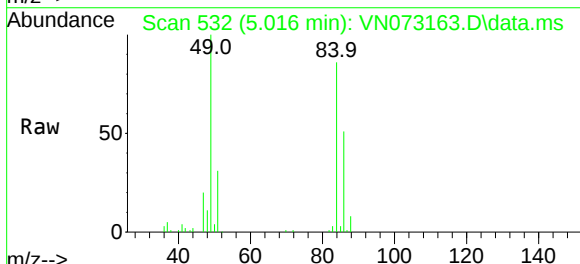
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

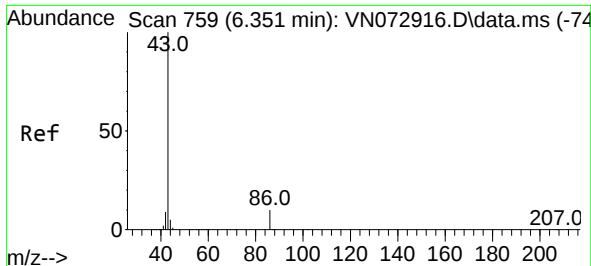
Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
74 11.5 21.6 32.4#



#20
Methylene Chloride
Concen: 30.743 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 84 Resp: 110292
Ion Ratio Lower Upper
84 100
49 115.8 88.3 132.5
51 36.2 28.2 42.2
86 59.3 50.6 76.0

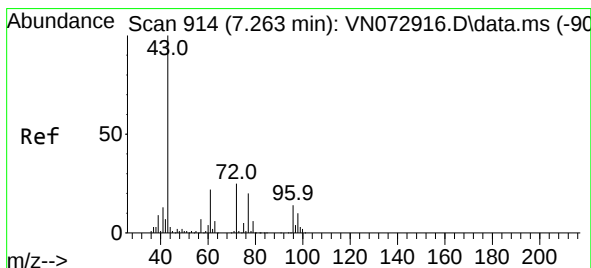
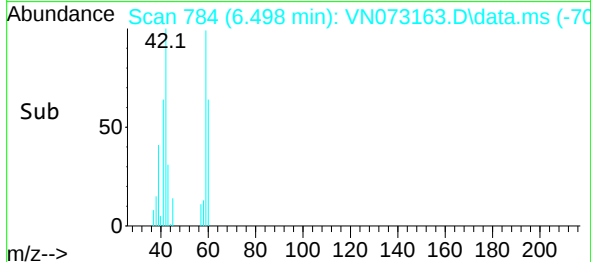
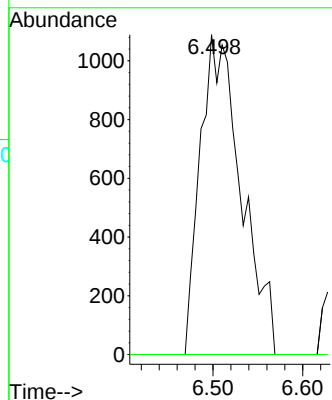
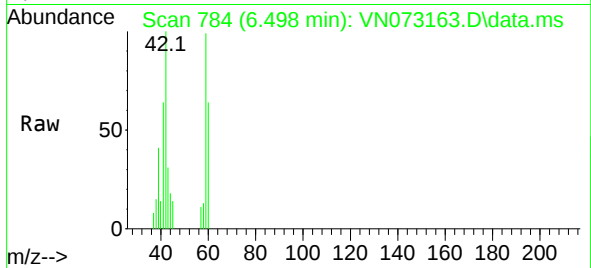




#23
 Vinyl Acetate
 Concen: 0.317 ug/l
 RT: 6.498 min Scan# 714
 Delta R.T. 0.147 min
 Lab File: VN073163.D
 Acq: 27 Jun 2022 15:38

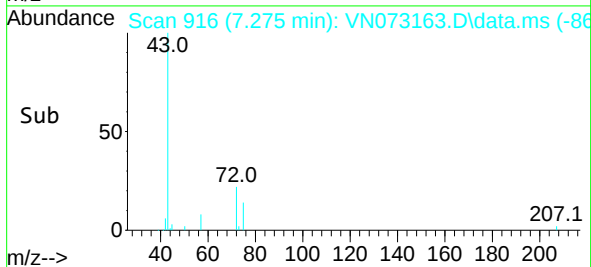
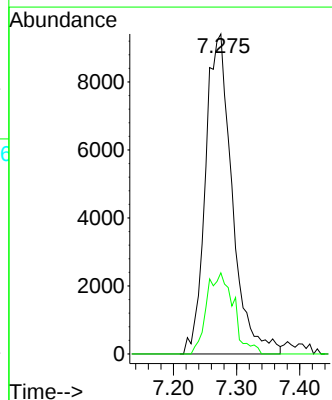
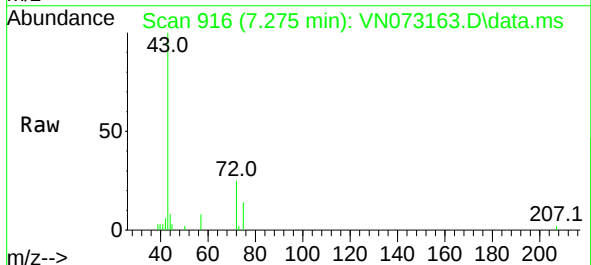
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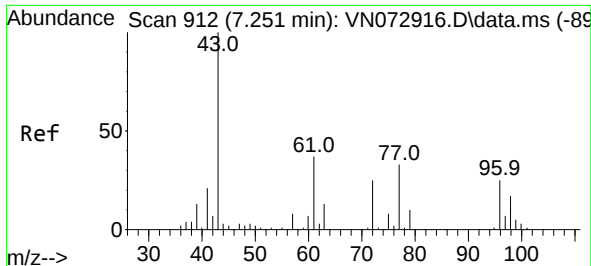
Tgt Ion: 43 Resp: 3458
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 7.553 ug/l
 RT: 7.275 min Scan# 916
 Delta R.T. 0.012 min
 Lab File: VN073163.D
 Acq: 27 Jun 2022 15:38

Tgt Ion: 43 Resp: 27638
 Ion Ratio Lower Upper
 43 100
 72 25.3 23.7 35.5

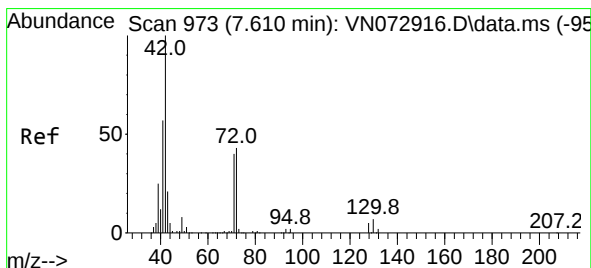
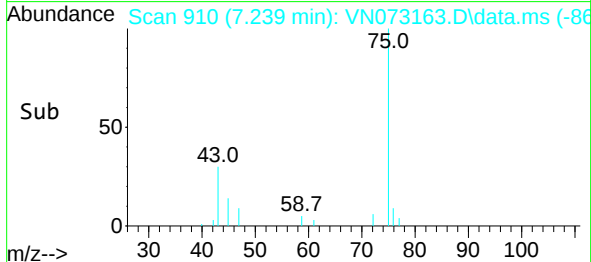
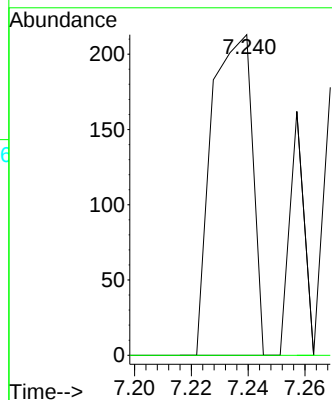
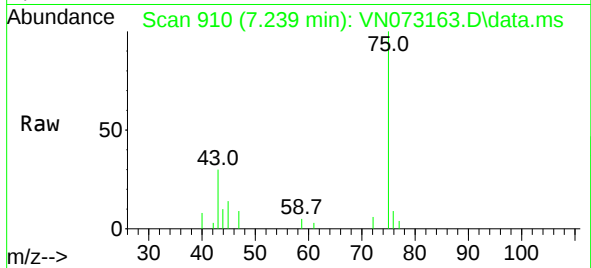




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.239 min Scan# 912
Delta R.T. -0.012 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

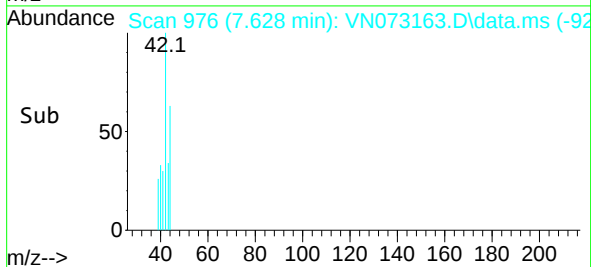
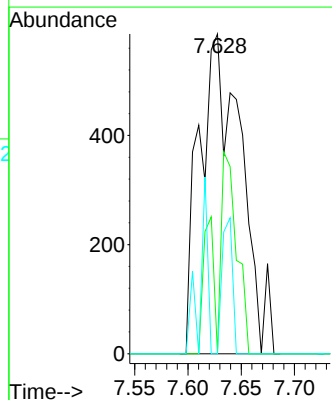
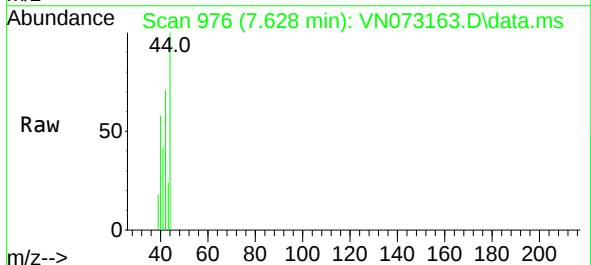
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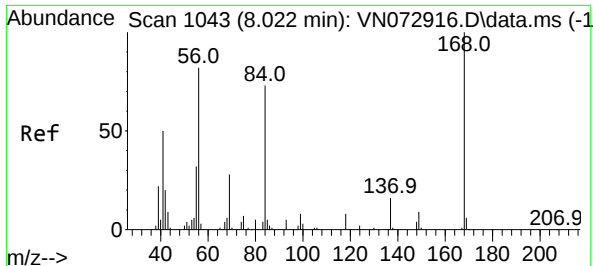
Tgt Ion: 77 Resp: 211
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.660 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 42 Resp: 1595
Ion Ratio Lower Upper
42 100
72 23.2 39.7 59.5#
71 10.4 36.6 55.0#

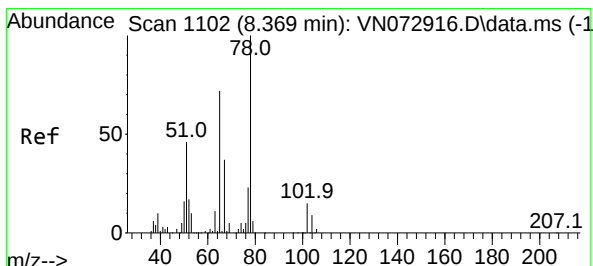
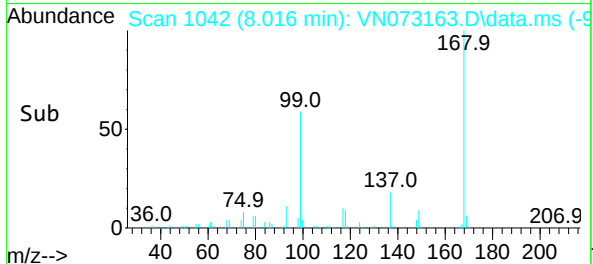
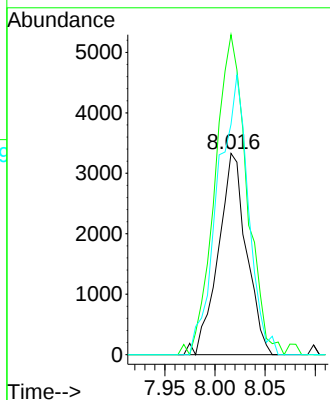
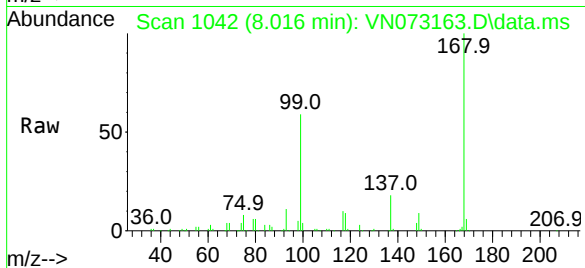




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

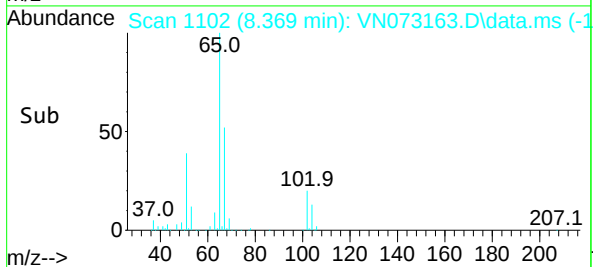
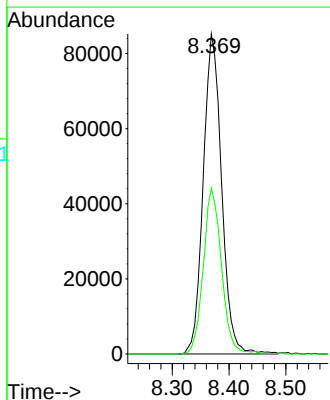
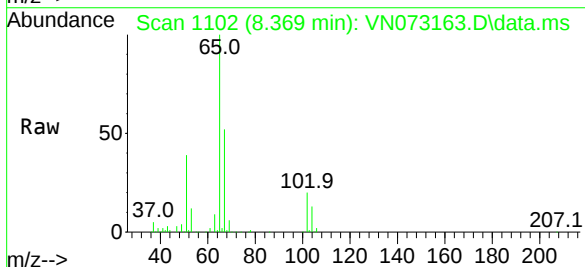
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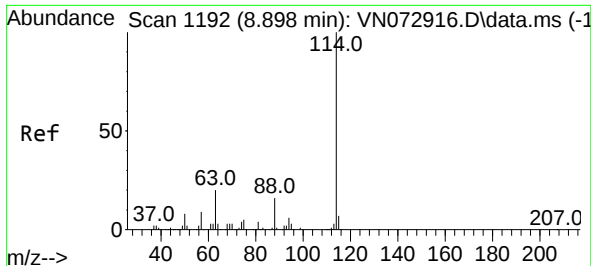
Tgt Ion: 56 Resp: 6513
Ion Ratio Lower Upper
56 100
69 159.0 27.8 41.8#
84 114.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 45.599 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 65 Resp: 191287
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8

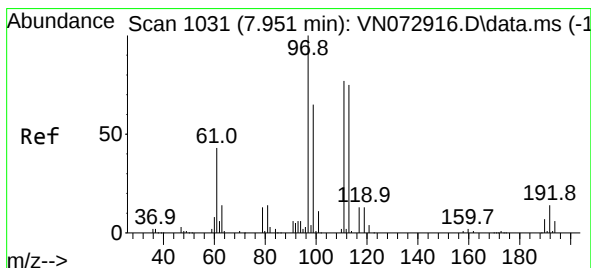
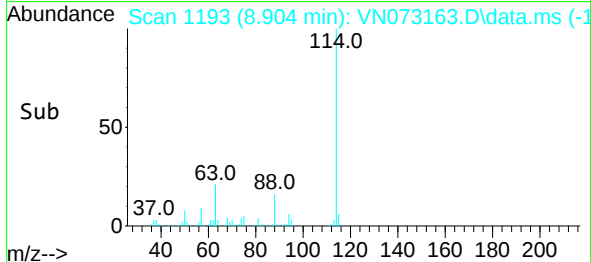
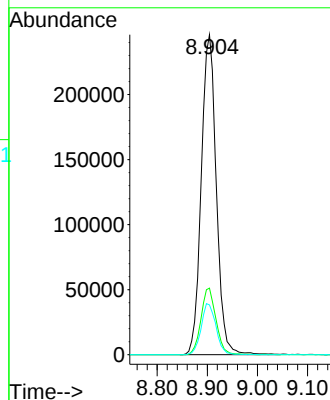
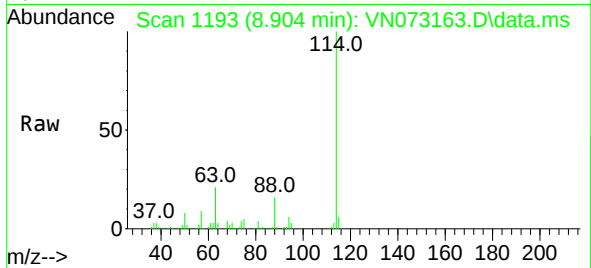




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

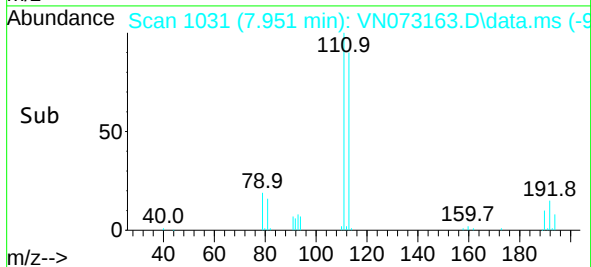
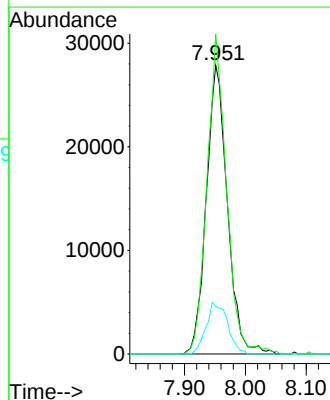
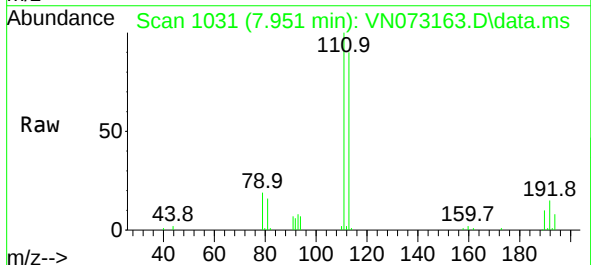
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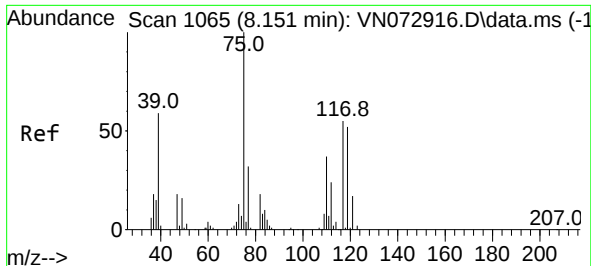
Tgt Ion:114 Resp: 512794
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 21.125 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion:113 Resp: 66956
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 18.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.924 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073163.D

Acq: 27 Jun 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-6-GR

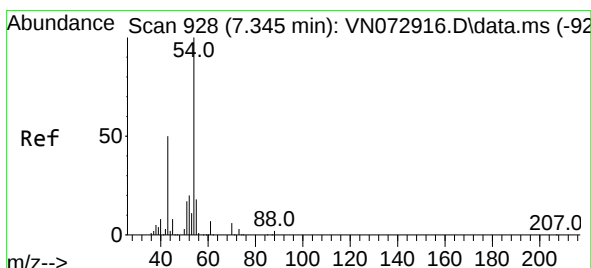
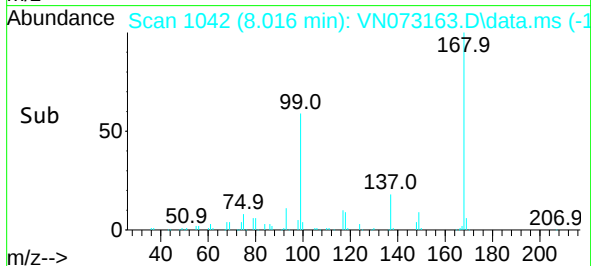
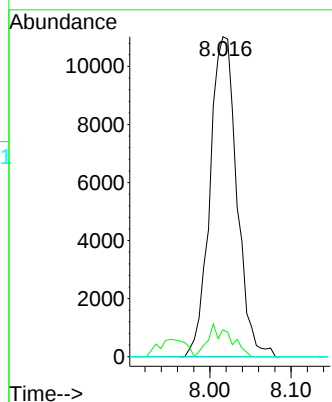
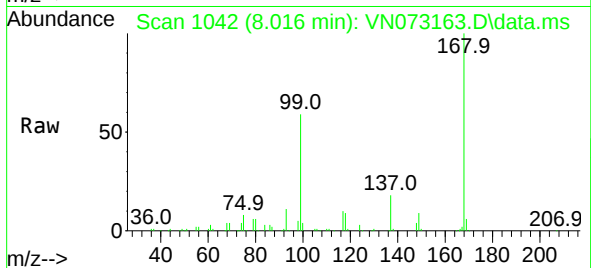
Tgt Ion: 75 Resp: 25406

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 4.029 ug/l

RT: 7.275 min Scan# 916

Delta R.T. -0.070 min

Lab File: VN073163.D

Acq: 27 Jun 2022 15:38

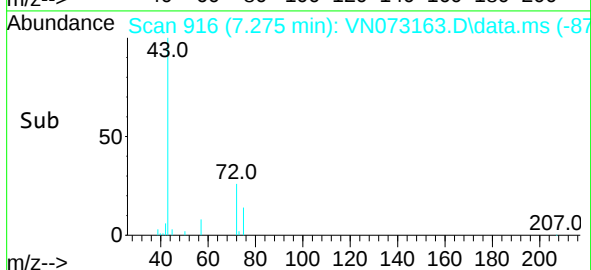
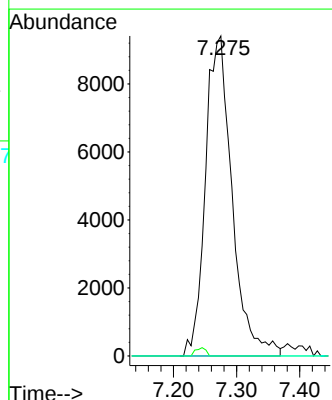
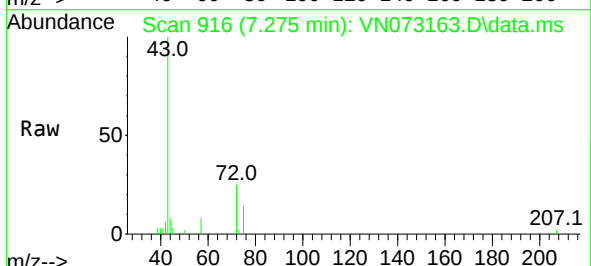
Tgt Ion: 43 Resp: 27638

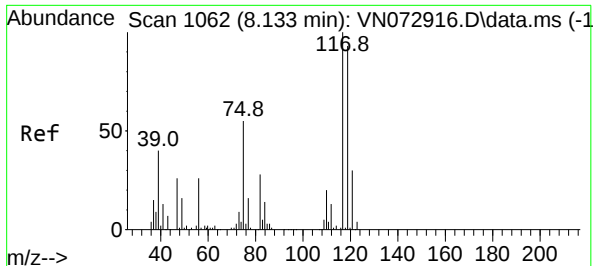
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

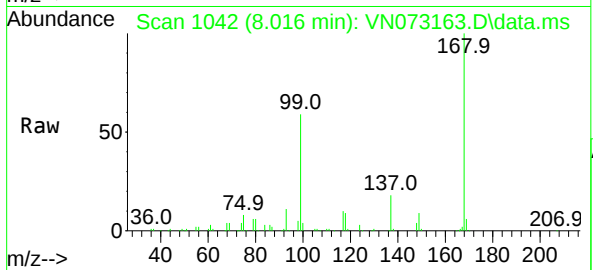
70 0.0 9.3 13.9#



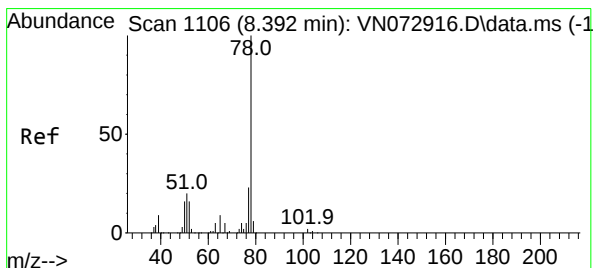
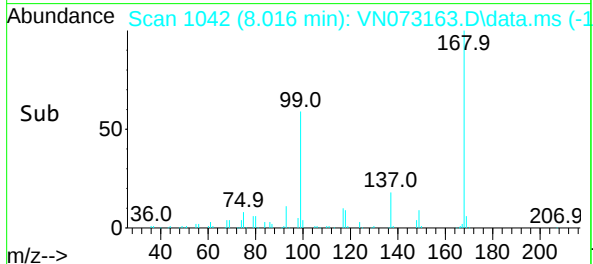
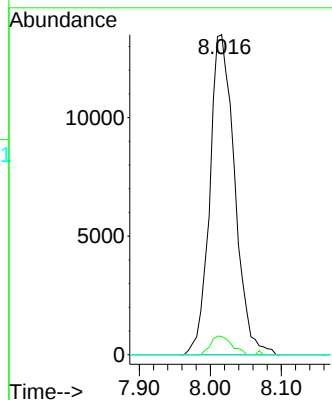


#38
Carbon Tetrachloride
Concen: 7.286 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

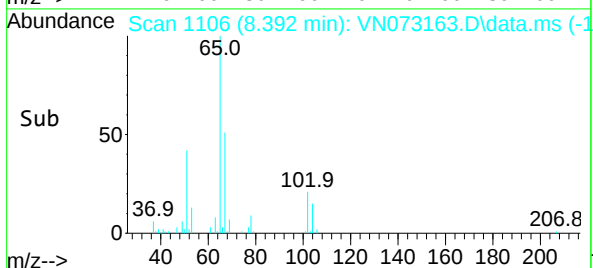
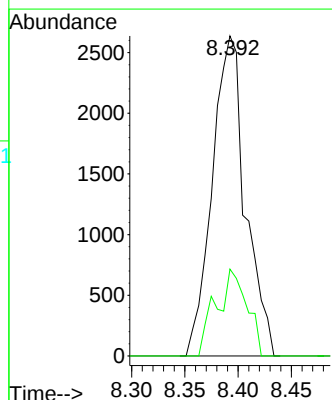
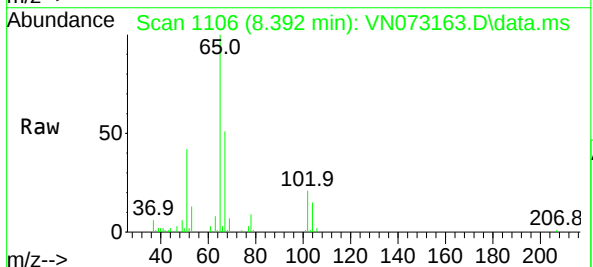


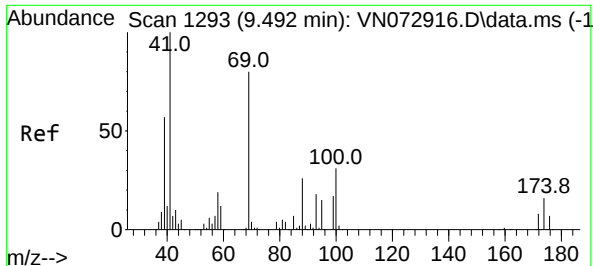
Tgt Ion:117 Resp: 32868
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.424 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 78 Resp: 5713
Ion Ratio Lower Upper
78 100
77 27.2 19.4 29.0





#48

Methyl methacrylate

Concen: 1.871 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VN073163.D

Acq: 27 Jun 2022 15:38

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-6-GR

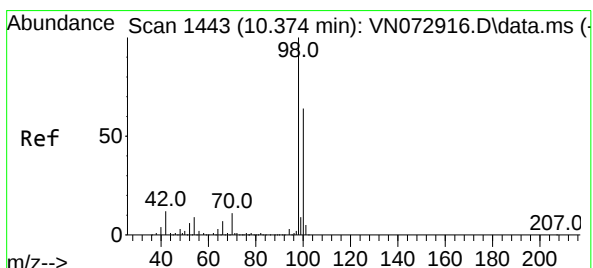
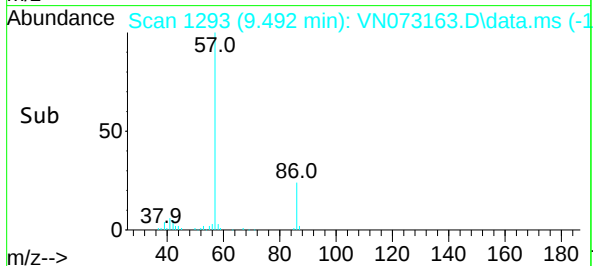
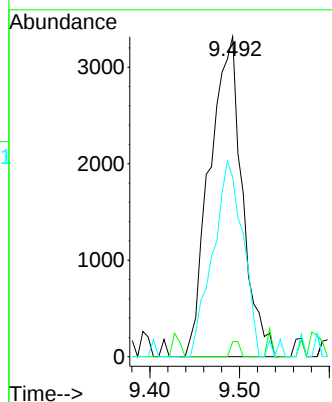
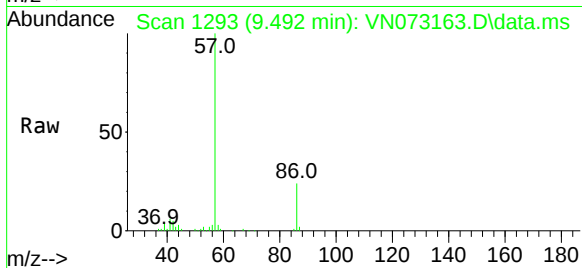
Tgt Ion: 41 Resp: 8376

Ion Ratio Lower Upper

41 100

69 1.3 74.7 112.1#

39 56.4 45.6 68.4



#50

Toluene-d8

Concen: 45.656 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN073163.D

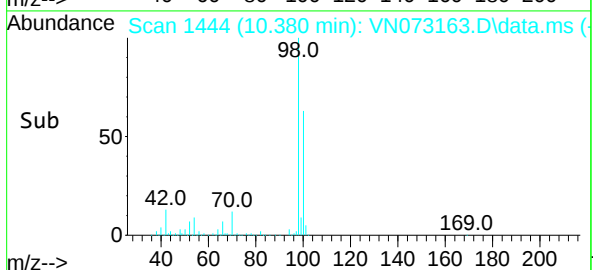
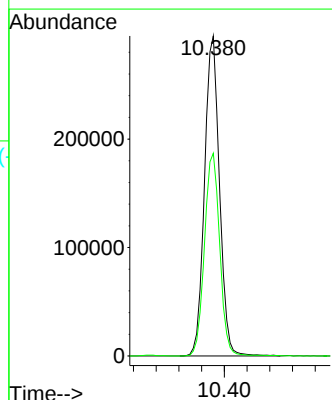
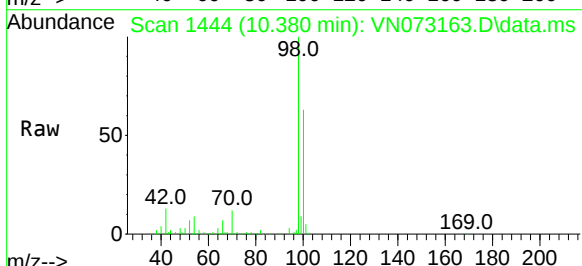
Acq: 27 Jun 2022 15:38

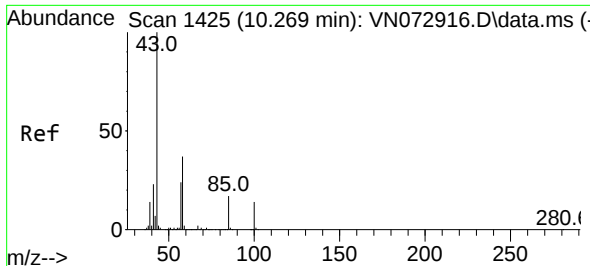
Tgt Ion: 98 Resp: 538465

Ion Ratio Lower Upper

98 100

100 64.3 52.6 78.8

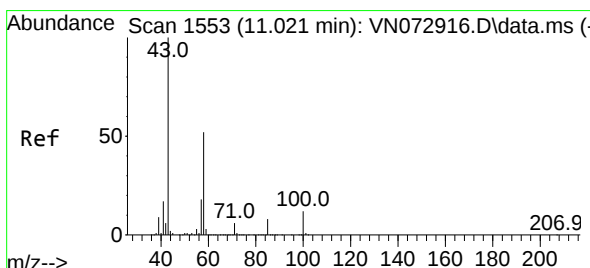
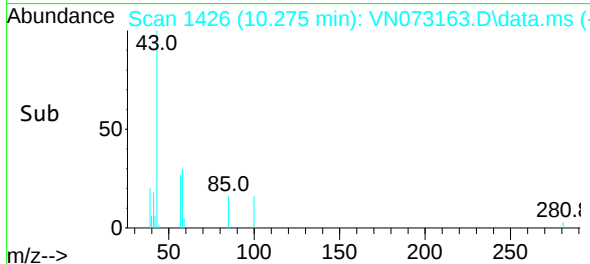
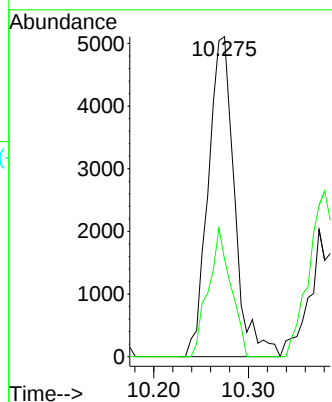
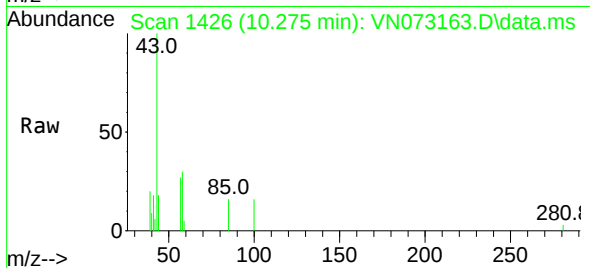




#51
4-Methyl-2-Pentanone
Concen: 1.542 ug/l
RT: 10.275 min Scan# 1425
Delta R.T. 0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

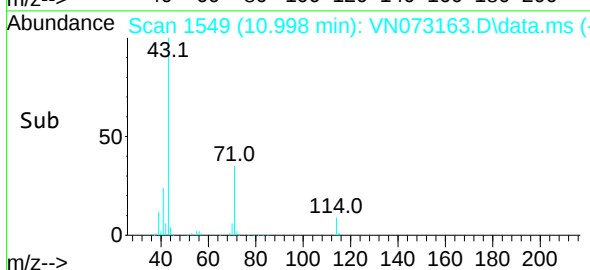
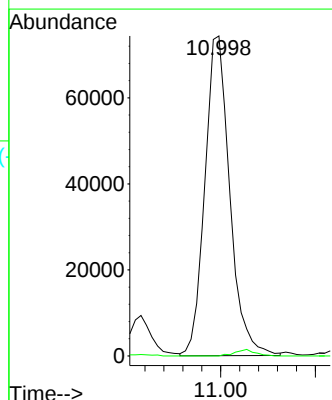
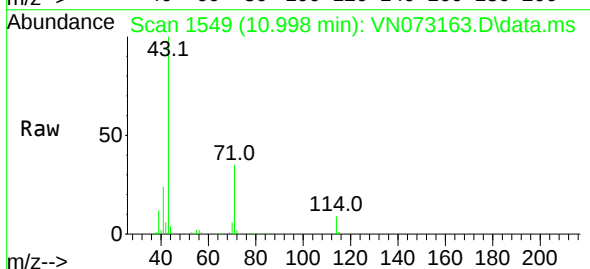
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

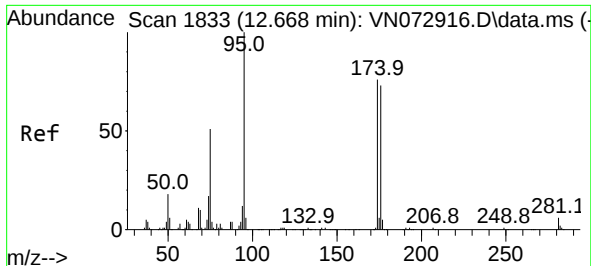
Tgt Ion: 43 Resp: 9860
Ion Ratio Lower Upper
43 100
58 34.3 34.1 51.1



#59
2-Hexanone
Concen: 27.447 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.023 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 43 Resp: 135748
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

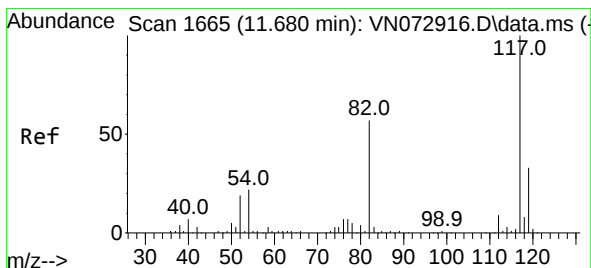
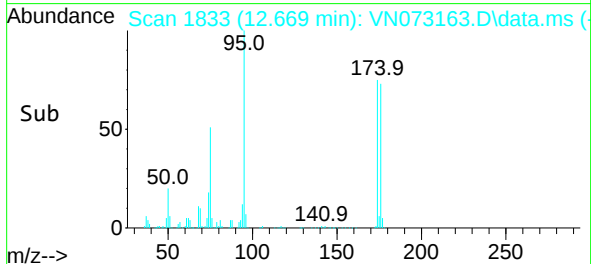
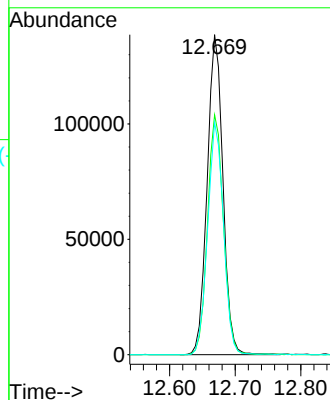
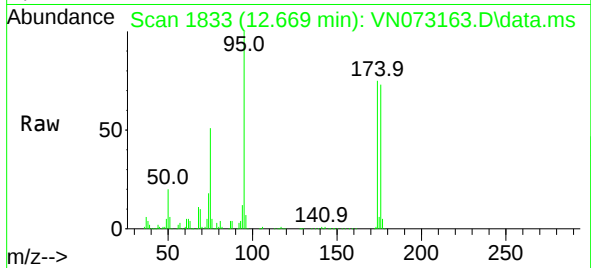




#62
4-Bromofluorobenzene
Concen: 54.724 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

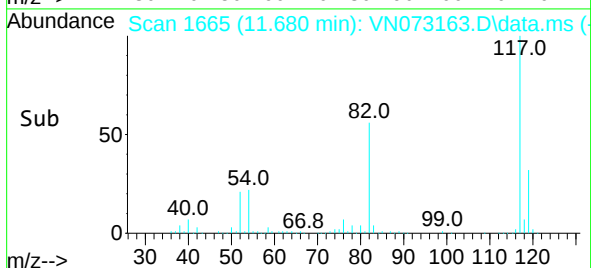
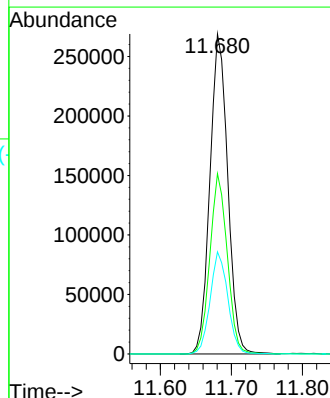
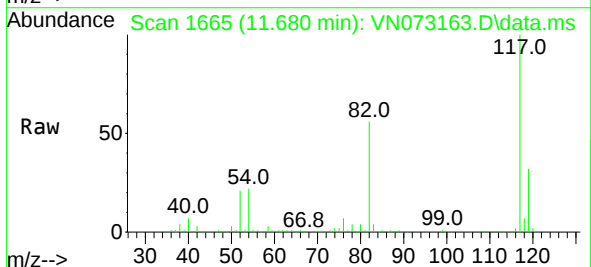
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

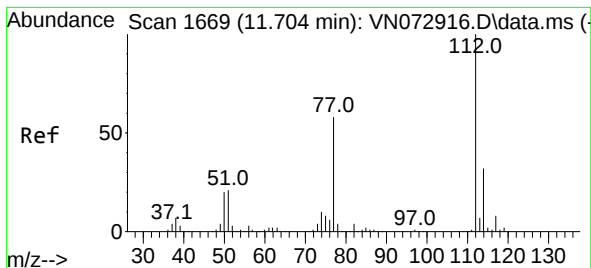
Tgt Ion: 95 Resp: 232080
Ion Ratio Lower Upper
95 100
174 75.8 0.0 167.6
176 72.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 117 Resp: 469118
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 31.9 25.4 38.0

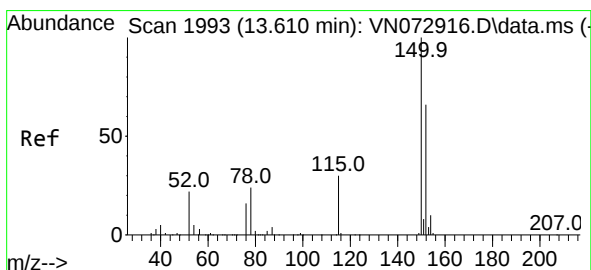
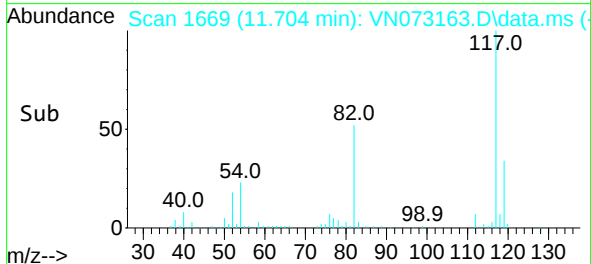
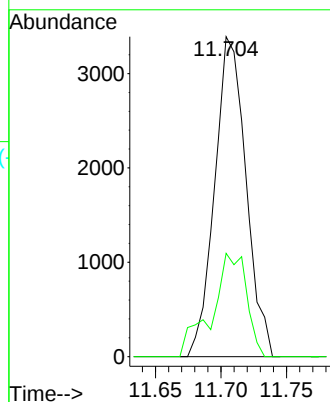
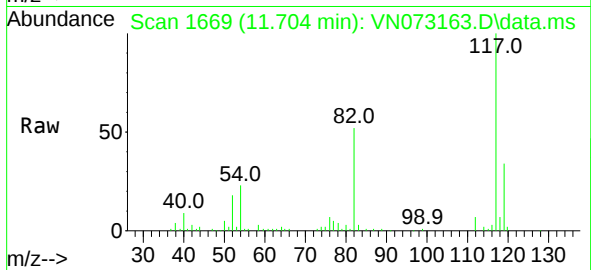




#65
Chlorobenzene
Concen: 0.614 ug/l
RT: 11.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

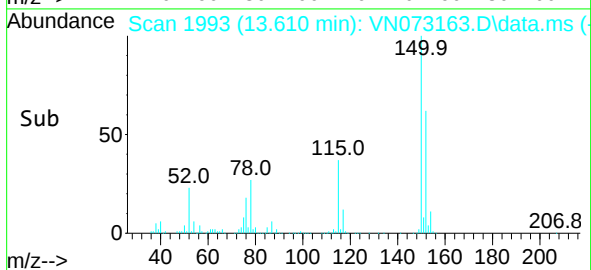
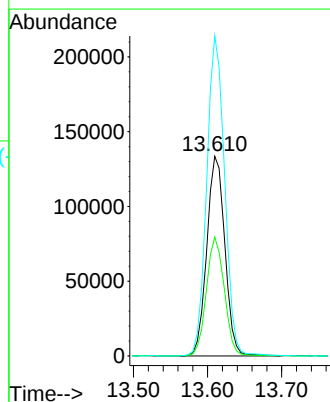
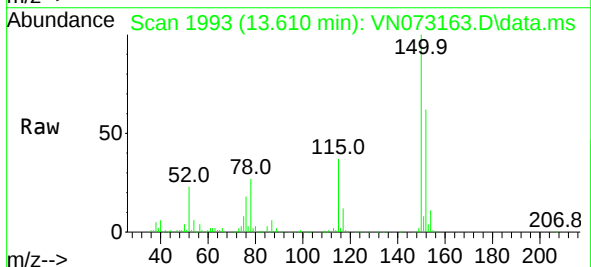
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

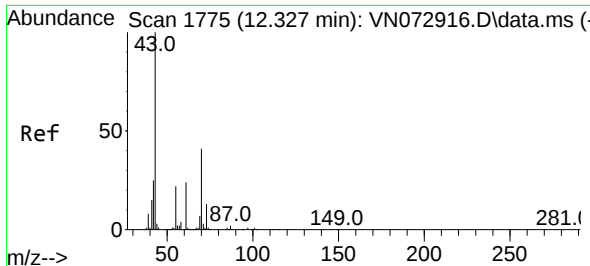
Tgt Ion:112 Resp: 5624
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion:152 Resp: 226771
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.7
150 158.7 0.0 356.2

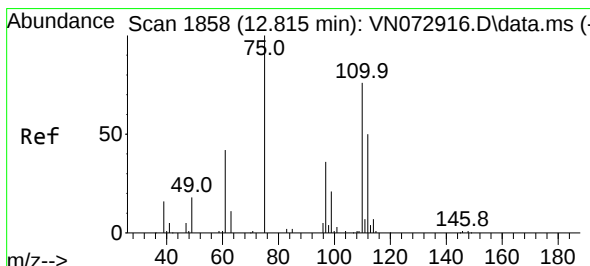
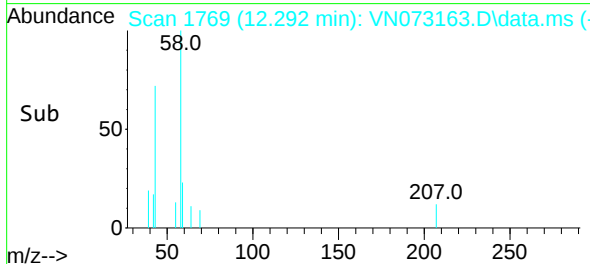
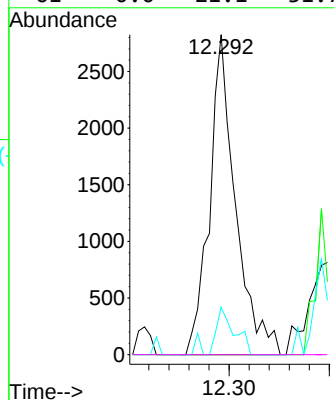
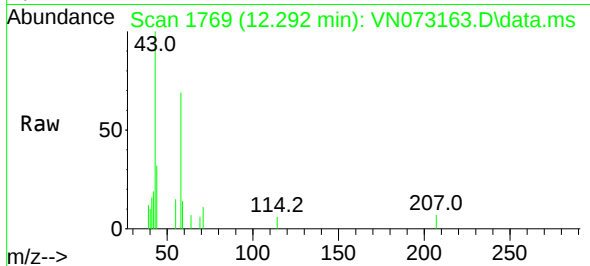




#74
N-amy1 acetate
Concen: 0.556 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

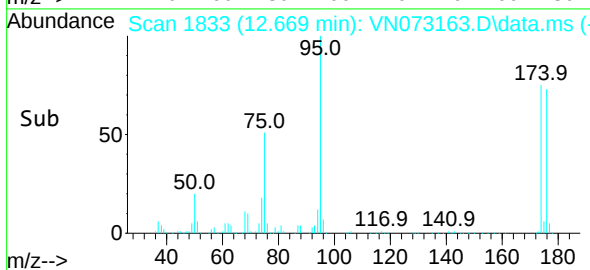
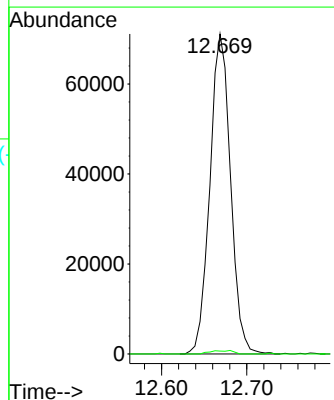
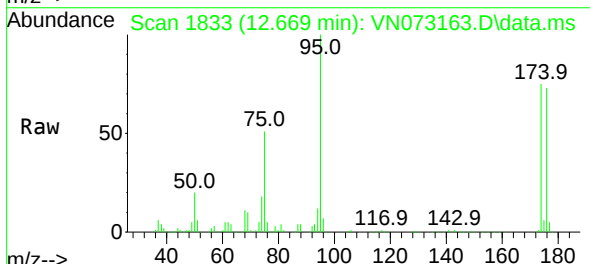
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

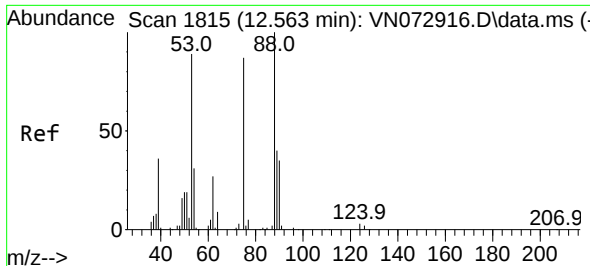
Tgt Ion: 43	Resp: 5063
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 10.2	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 21.801 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Tgt Ion: 75	Resp: 119865
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#

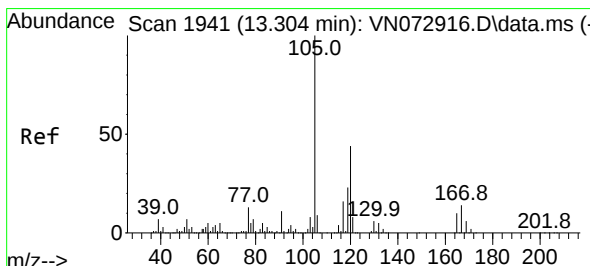
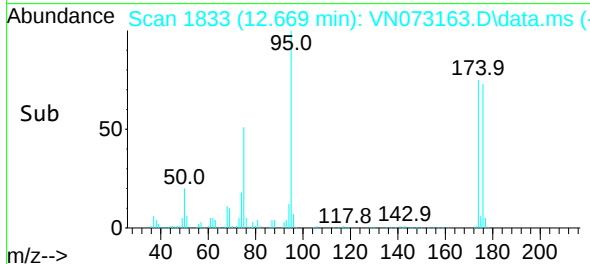
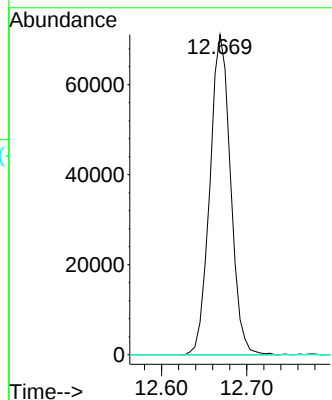
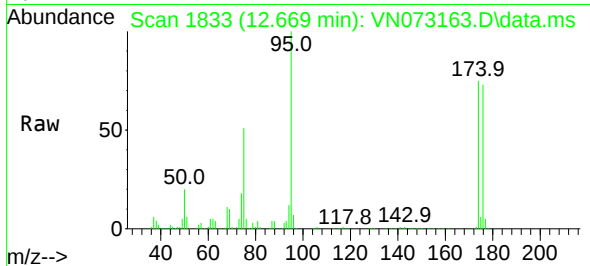




#81
trans-1,4-Dichloro-2-butene
Concen: 58.878 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

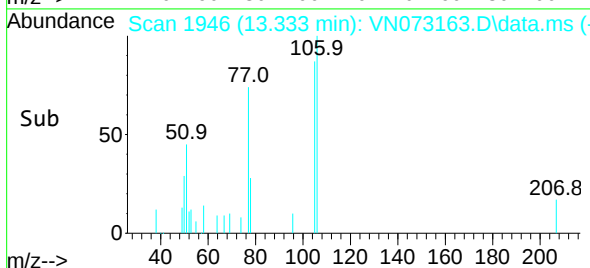
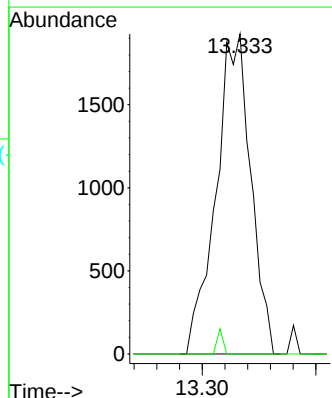
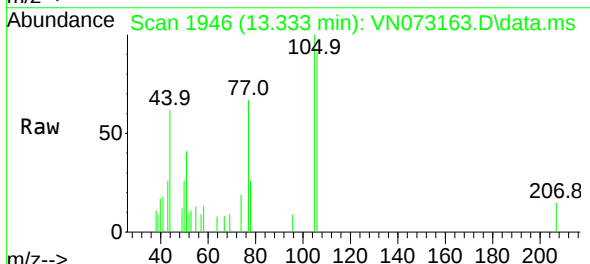
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR

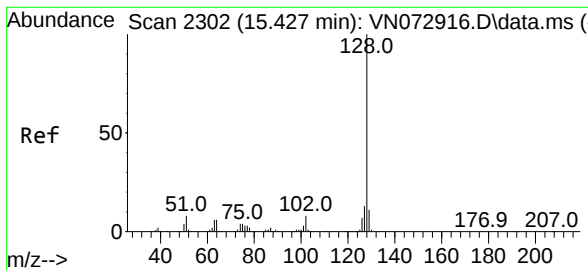
Tgt Ion: 75 Resp: 119865
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.285 ug/l
RT: 13.333 min Scan# 1946
Delta R.T. 0.030 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

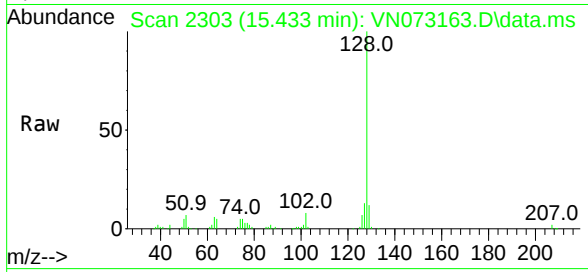
Tgt Ion: 105 Resp: 4090
Ion Ratio Lower Upper
105 100
120 1.3 23.3 69.8#





#95
Naphthalene
Concen: 10.084 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073163.D
Acq: 27 Jun 2022 15:38

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-6-GR



Tgt Ion:128 Resp: 176653
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.3 8.6 13.0

