

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073835.D
 Acq On : 12 Jul 2022 13:29
 Operator : VA/SY
 Sample : N3645-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-070822

Quant Time: Jul 13 04:30:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

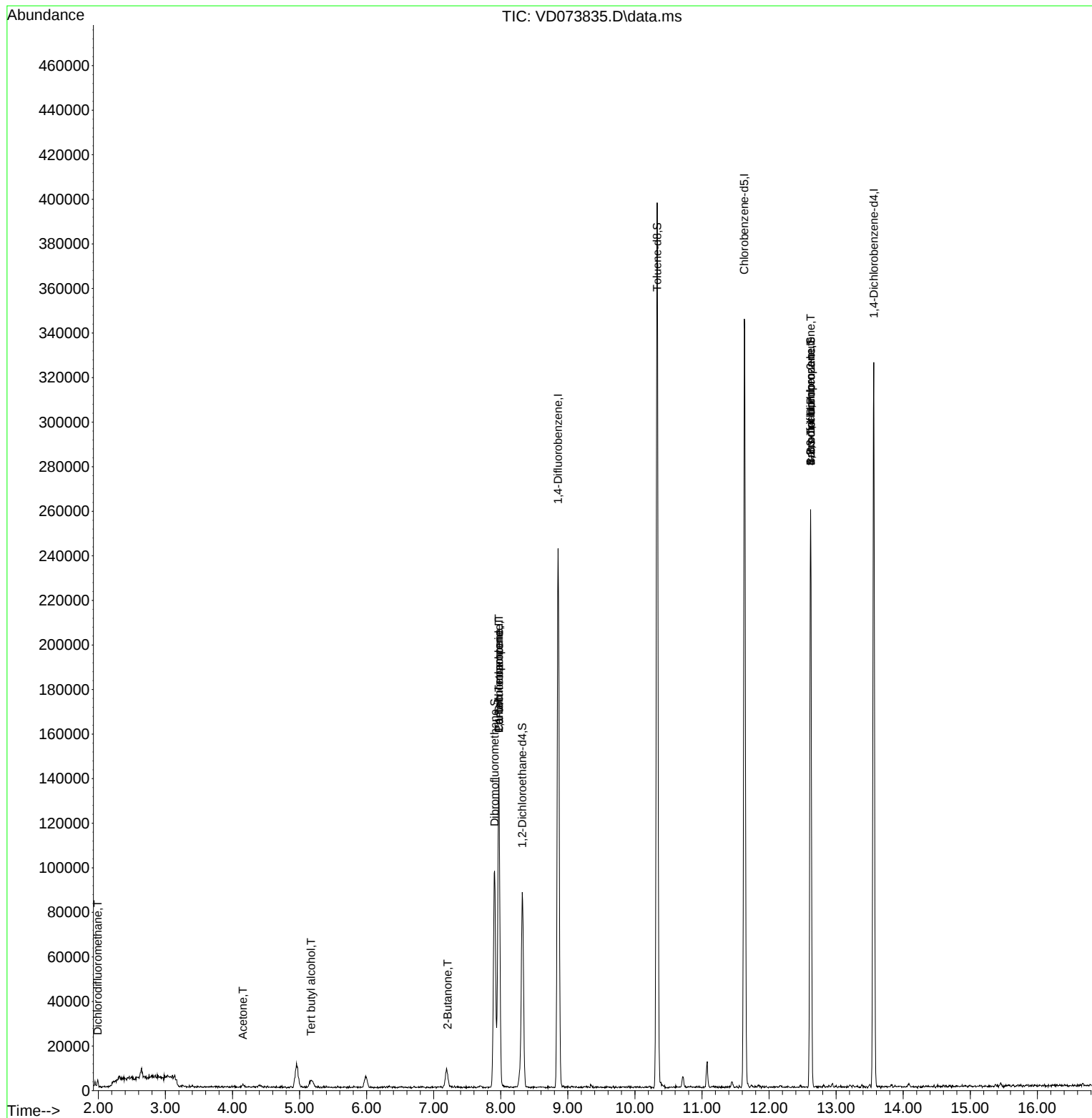
Internal Standards						
1) Pentafluorobenzene	7.973	168	85679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	200978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	183681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	74892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72544	63.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.420%	
35) Dibromofluoromethane	7.908	113	67699	50.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.840%	
50) Toluene-d8	10.332	98	253350	54.647	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 109.300%	
62) 4-Bromofluorobenzene	12.620	95	84801	43.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 86.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1980	4.075	ug/l	98
3) Chloromethane	2.209	50	239	Below Cal	#	52
4) Vinyl Chloride	2.350	62	122	Below Cal	#	43
5) Bromomethane	2.767	94	443	Below Cal		90
11) Tert butyl alcohol	5.173	59	3842	15.161	ug/l #	100
16) Acetone	4.156	43	1694	8.616	ug/l	97
17) Carbon Disulfide	4.397	76	1716	Below Cal	#	71
18) Methyl Acetate	4.938	43	54	Below Cal	#	55
20) Methylene Chloride	4.944	84	4428	Below Cal	#	86
25) 2-Butanone	7.208	43	541	1.829	ug/l #	49
31) Cyclohexane	7.967	56	3153	Below Cal	#	23
36) 1,1-Dichloropropene	7.973	75	9326	6.933	ug/l #	50
38) Carbon Tetrachloride	7.973	117	11127	7.242	ug/l #	21
71) Bromoform	12.620	173	822	1.314	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	49245	60.781	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	49245	159.739	ug/l #	10

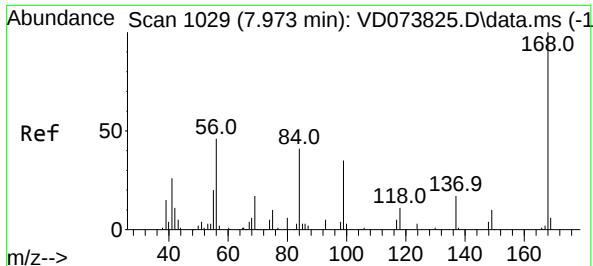
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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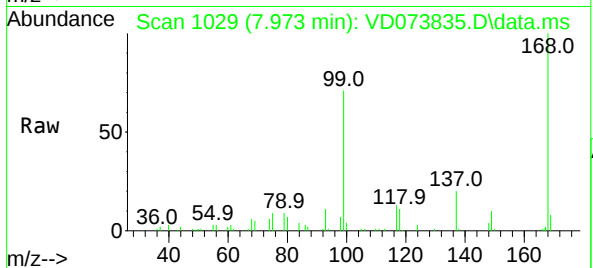
Quant Time: Jul 13 04:30:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 12 07:04:44 2022
Response via : Initial Calibration



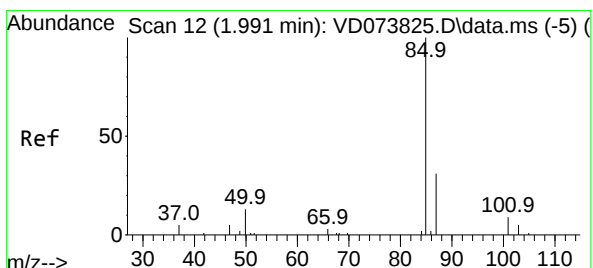
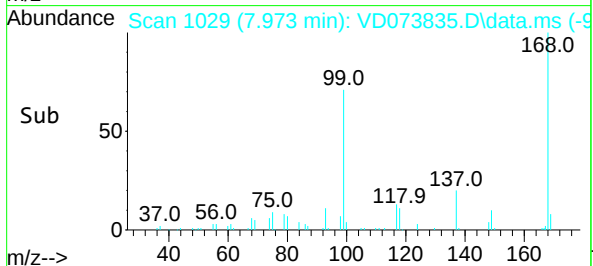
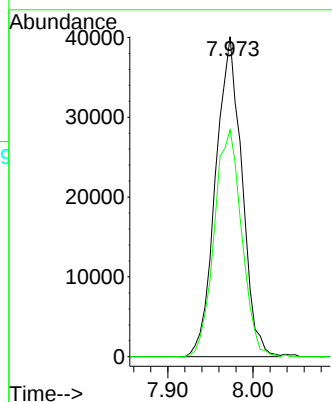


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

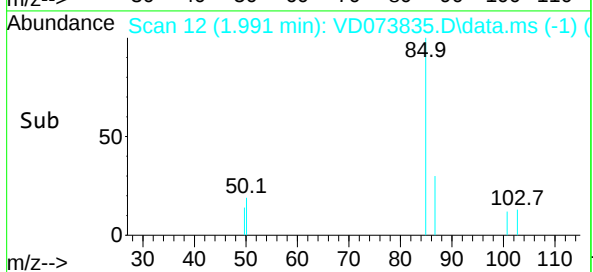
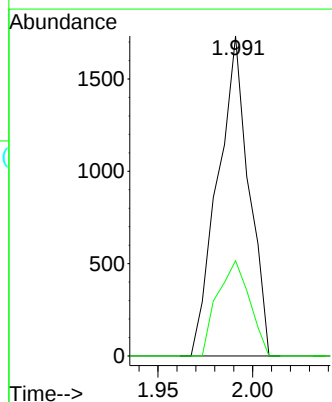
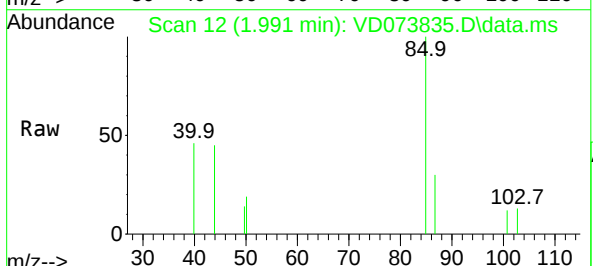


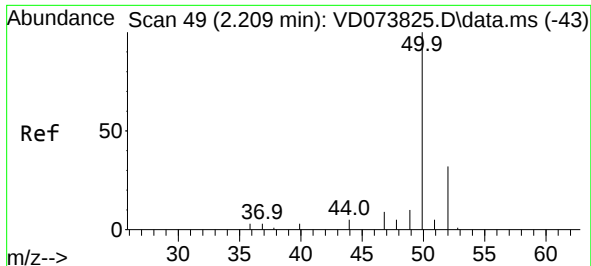
Tgt Ion:168 Resp: 85679
Ion Ratio Lower Upper
168 100
99 71.0 53.8 80.6



#2
Dichlorodifluoromethane
Concen: 4.075 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 85 Resp: 1980
Ion Ratio Lower Upper
85 100
87 29.8 15.6 46.7

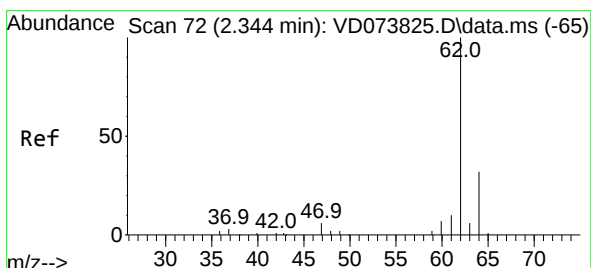
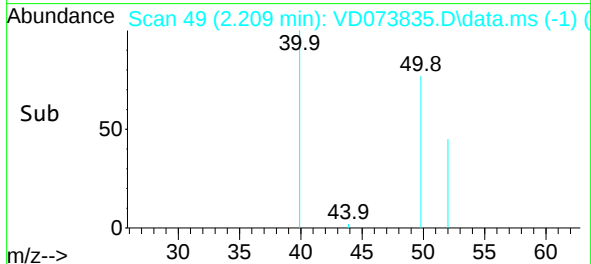
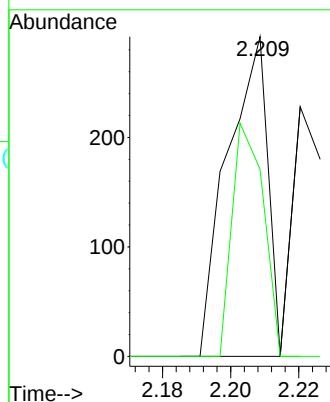
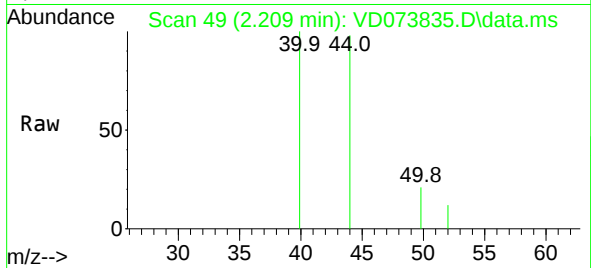




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

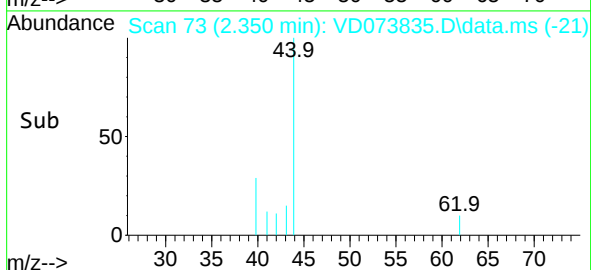
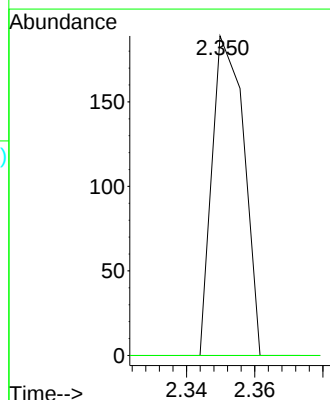
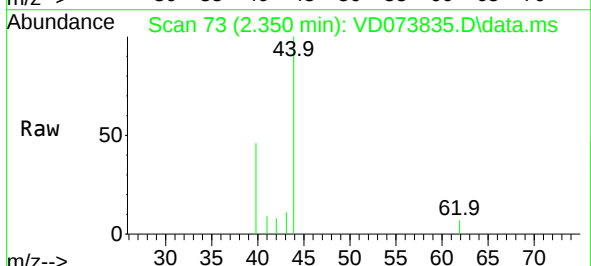
Instrument :
MSVOA_D
ClientSampleId :
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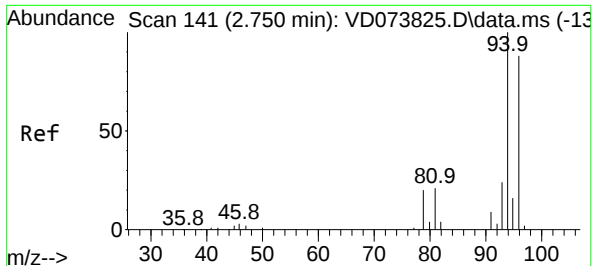
Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 58.6 25.5 38.3#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 62 Resp: 122
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

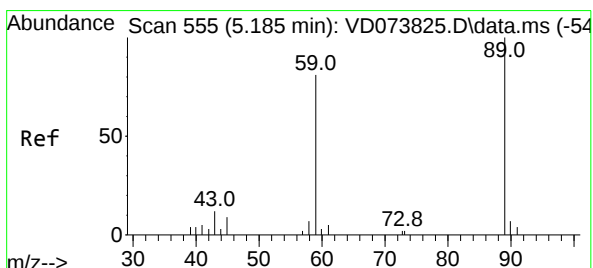
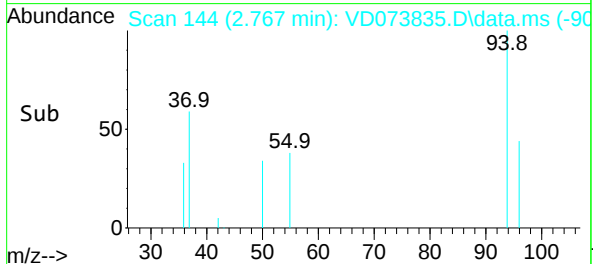
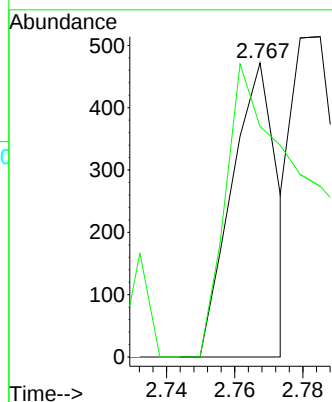
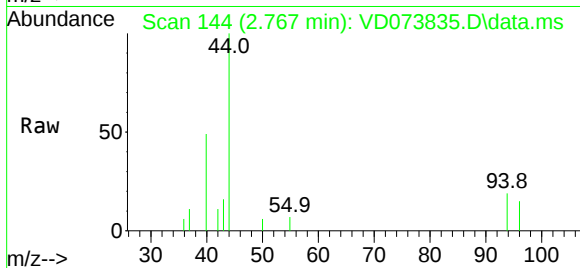




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 141
Delta R.T. 0.017 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

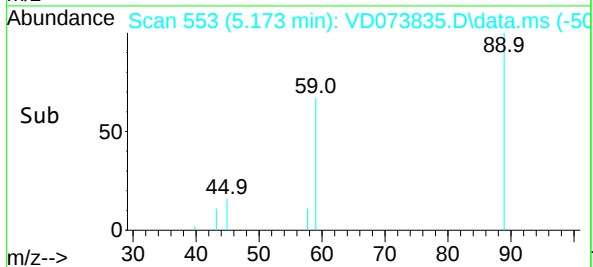
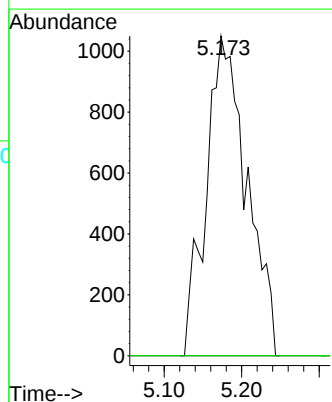
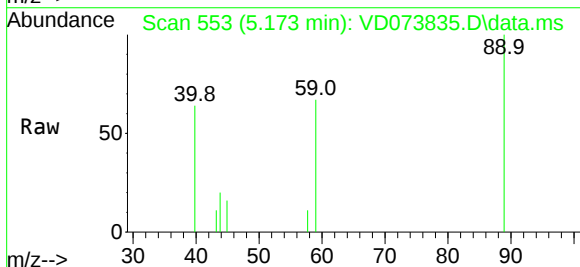
Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

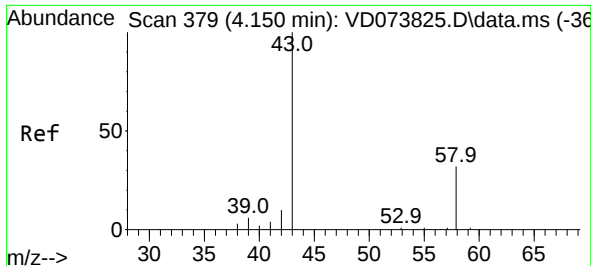
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 78.4 70.3 105.5



#11
Tert butyl alcohol
Concen: 15.161 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.012 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 59 Resp: 3842
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

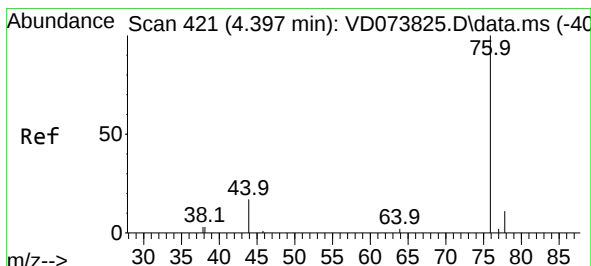
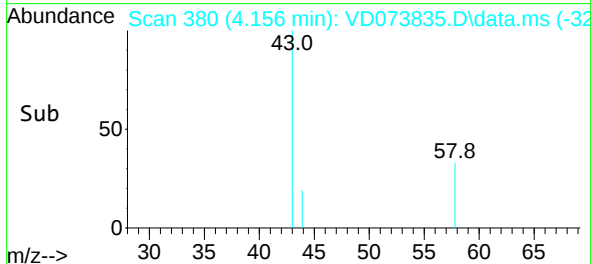
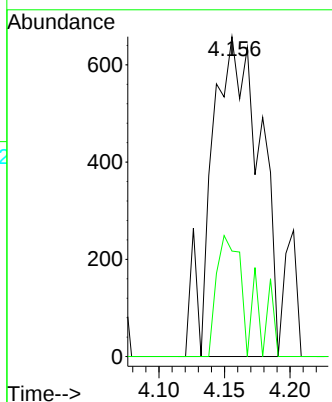
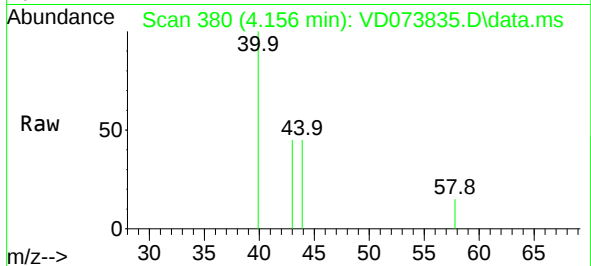




#16
Acetone
Concen: 8.616 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

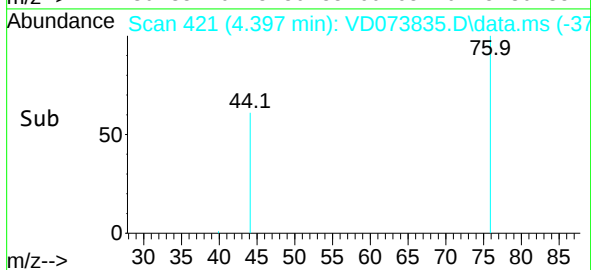
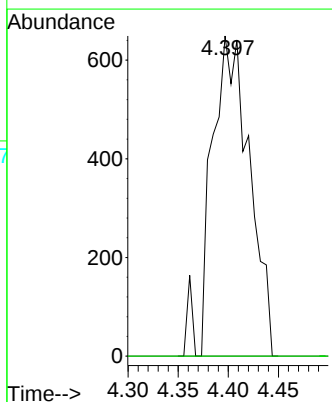
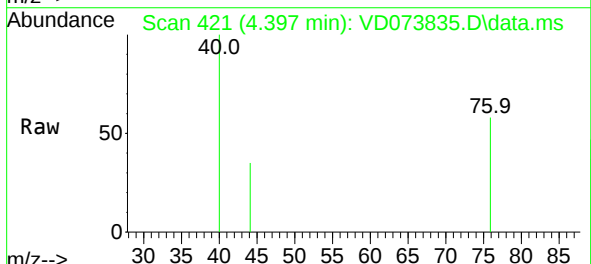
Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

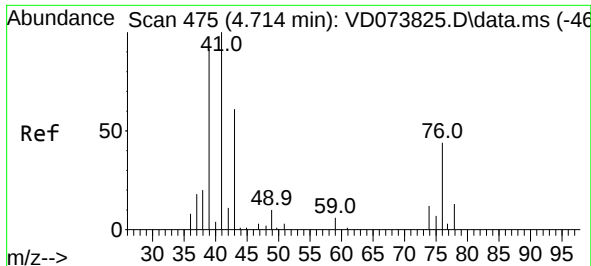
Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 33.0 25.2 37.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 421
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 76 Resp: 1716
Ion Ratio Lower Upper
76 100
78 0.0 8.7 13.1#

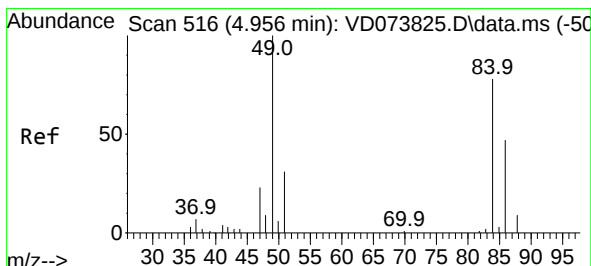
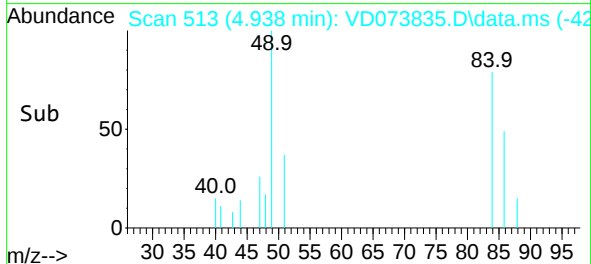
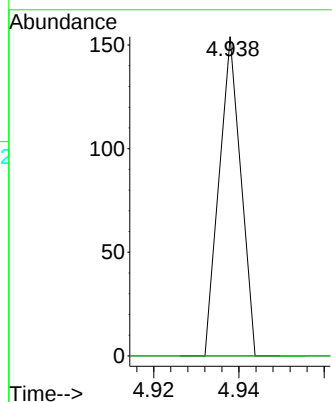
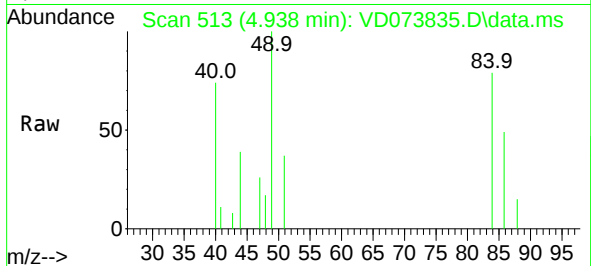




#18
Methyl Acetate
Concen: Below Cal
RT: 4.938 min Scan# 513
Delta R.T. 0.224 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

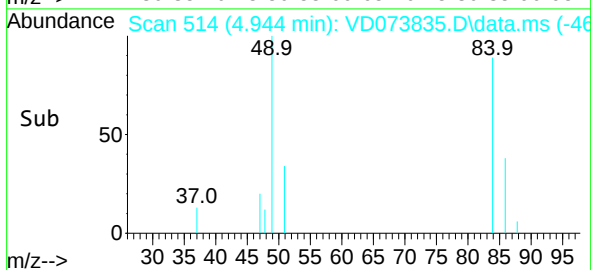
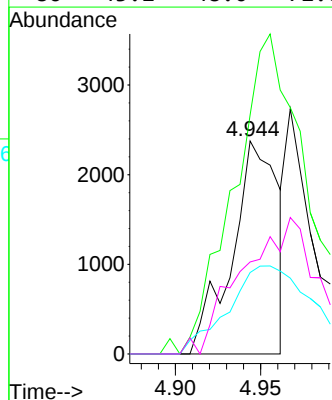
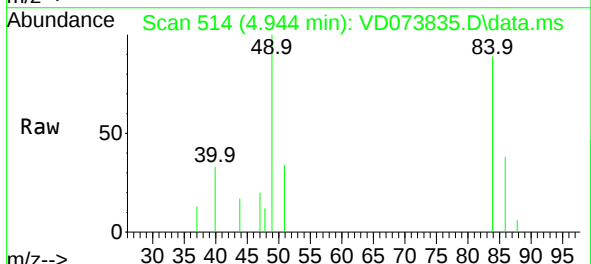
Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

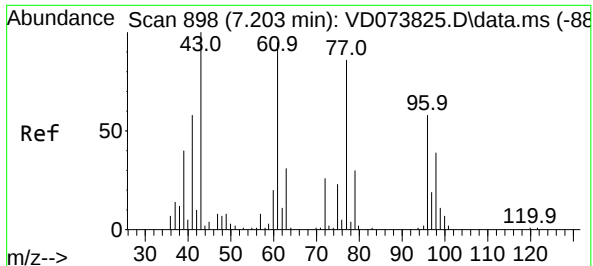
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.012 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 84 Resp: 4428
Ion Ratio Lower Upper
84 100
49 112.2 102.5 153.7
51 38.3 31.4 47.0
86 43.2 48.0 72.0#





#25

2-Butanone

Concen: 1.829 ug/l

RT: 7.208 min Scan# 898

Delta R.T. 0.006 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

Instrument :

MSVOA_D

ClientSampleId :

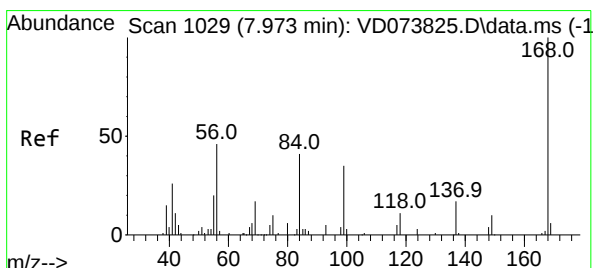
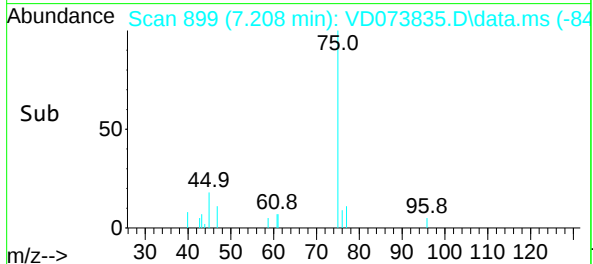
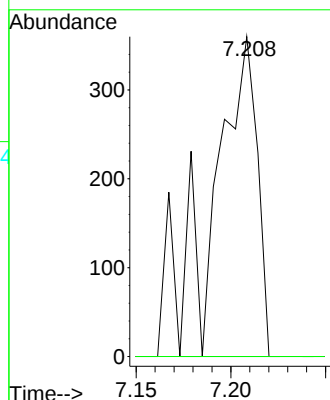
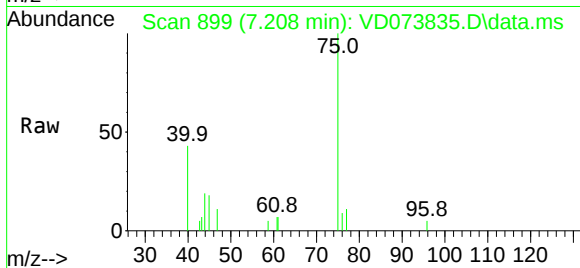
NB-08-070822

Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#31

Cyclohexane

Concen: Below Cal

RT: 7.967 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

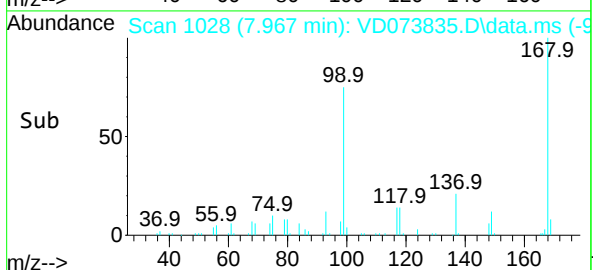
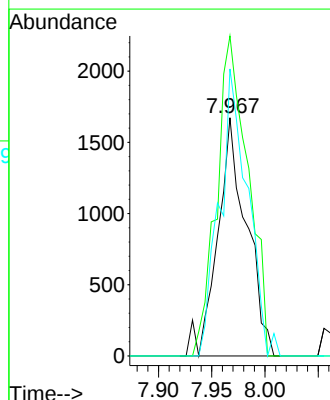
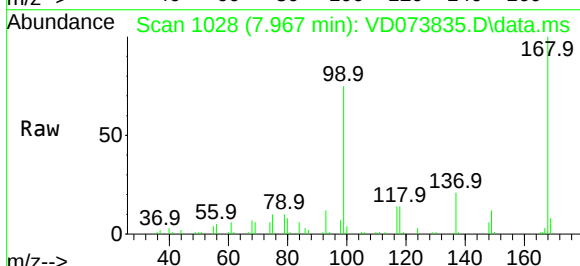
Tgt Ion: 56 Resp: 3153

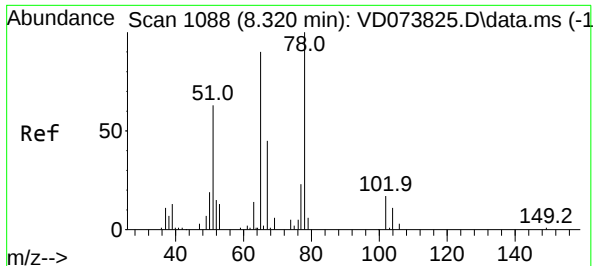
Ion Ratio Lower Upper

56 100

69 134.3 29.1 43.7#

84 120.5 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 63.213 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

Instrument :

MSVOA_D

ClientSampleId :

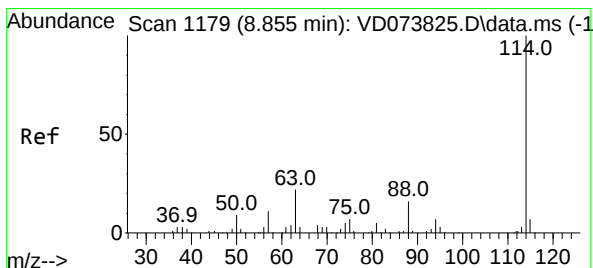
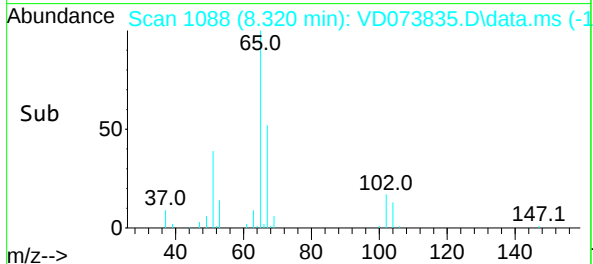
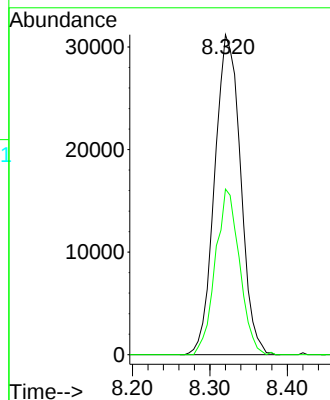
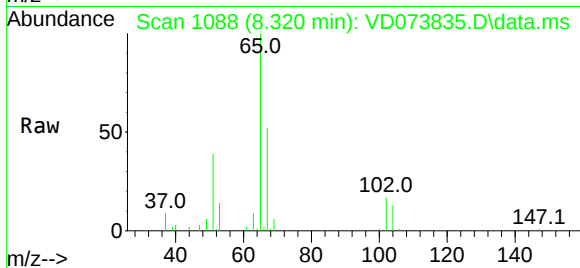
NB-08-070822

Tgt Ion: 65 Resp: 72544

Ion Ratio Lower Upper

65 100

67 48.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

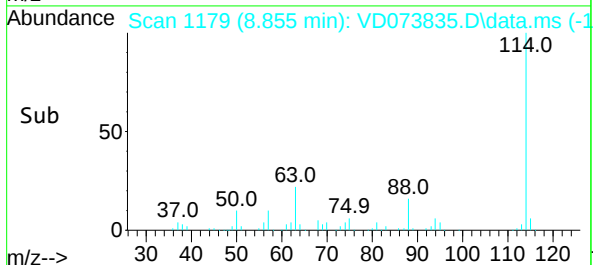
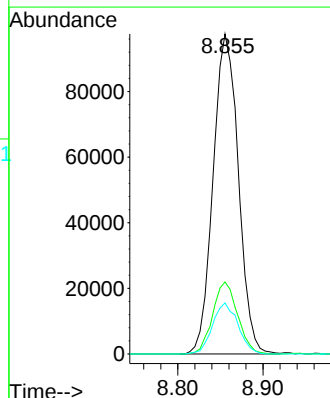
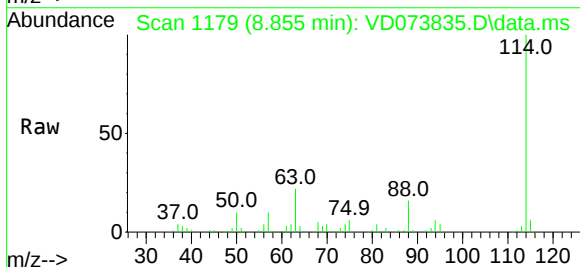
Tgt Ion: 114 Resp: 200978

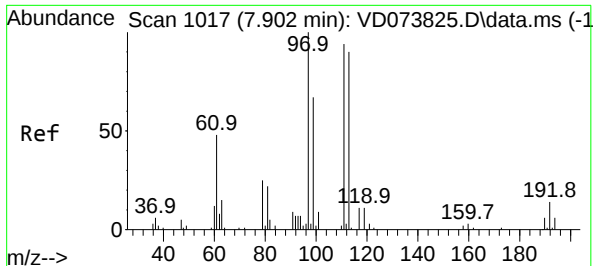
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.0

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.919 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

Instrument :

MSVOA_D

ClientSampleId :

NB-08-070822

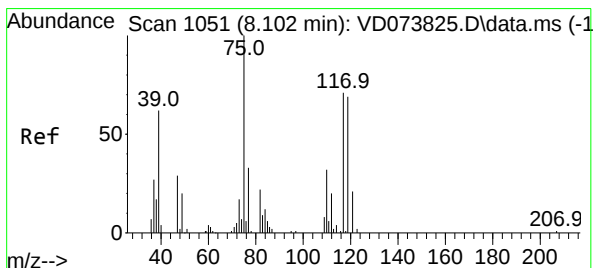
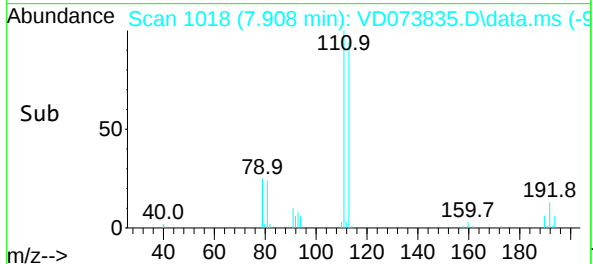
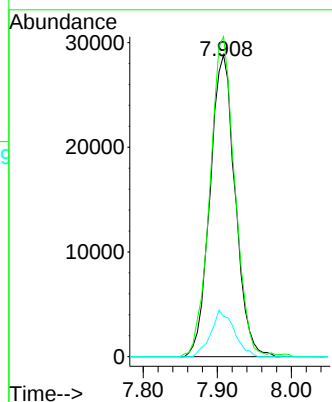
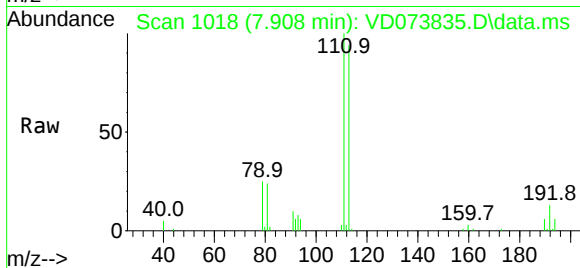
Tgt Ion:113 Resp: 67699

Ion Ratio Lower Upper

113 100

111 105.8 82.2 123.4

192 14.3 12.3 18.5



#36

1,1-Dichloropropene

Concen: 6.933 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073835.D

Acq: 12 Jul 2022 13:29

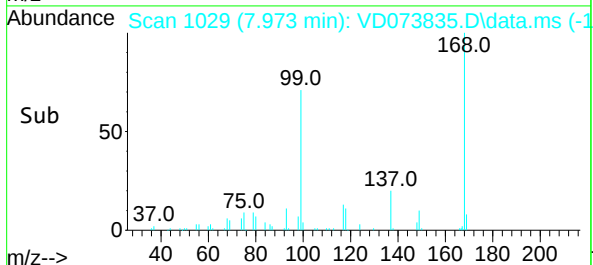
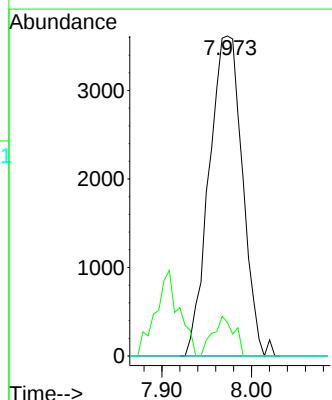
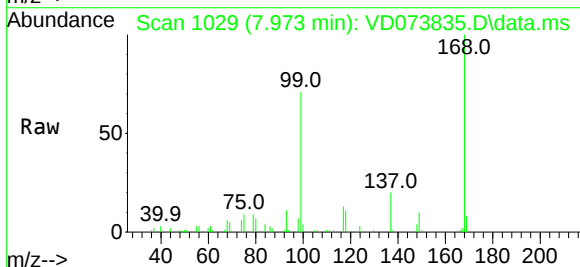
Tgt Ion: 75 Resp: 9326

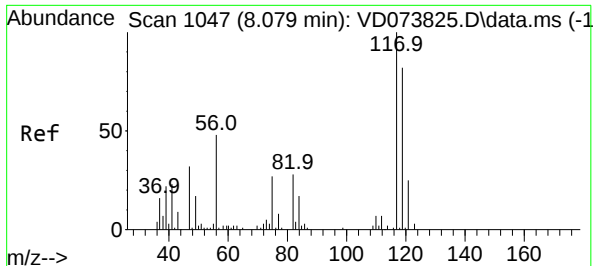
Ion Ratio Lower Upper

75 100

110 8.0 16.0 47.9#

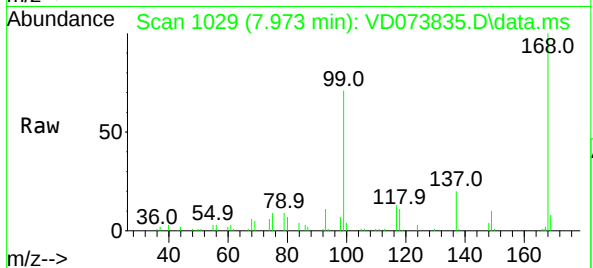
77 0.0 25.3 37.9#



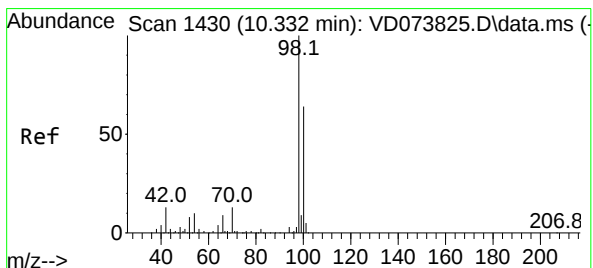
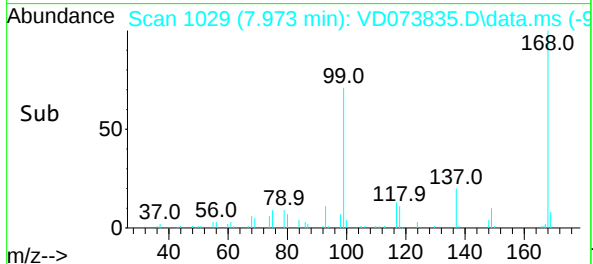
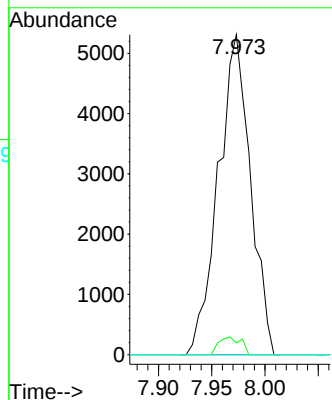


#38
Carbon Tetrachloride
Concen: 7.242 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.106 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

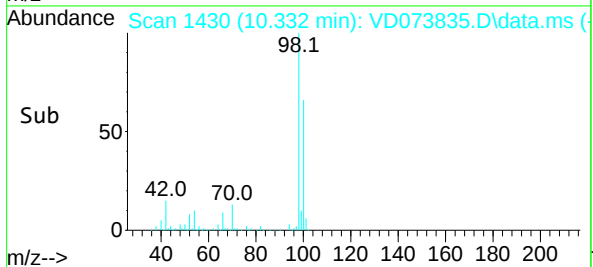
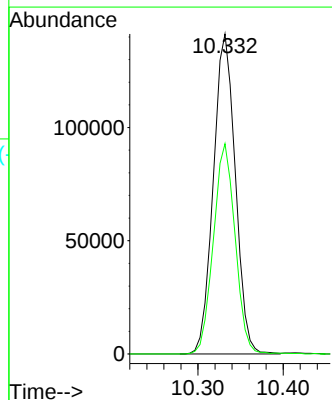
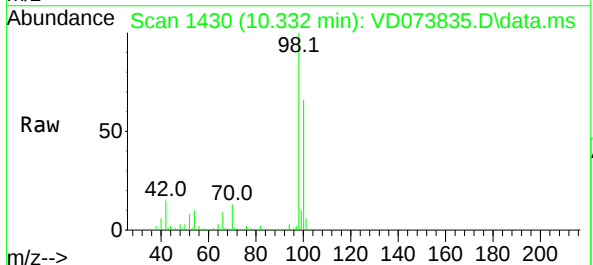


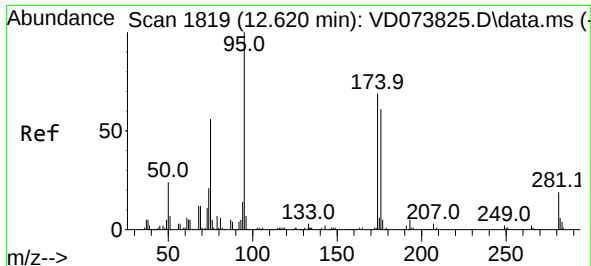
Tgt Ion:117 Resp: 11127
Ion Ratio Lower Upper
117 100
119 3.7 65.6 98.4#
121 0.0 20.1 30.1#



#50
Toluene-d8
Concen: 54.647 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 98 Resp: 253350
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3

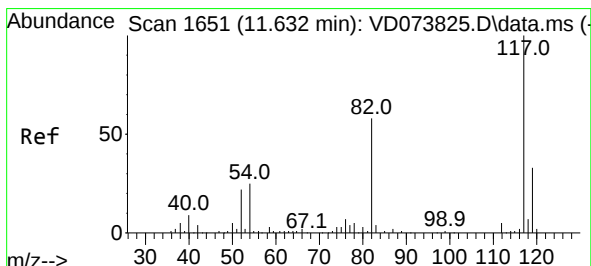
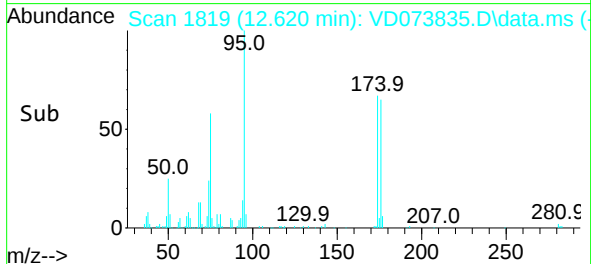
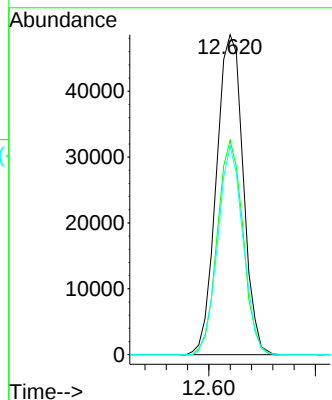
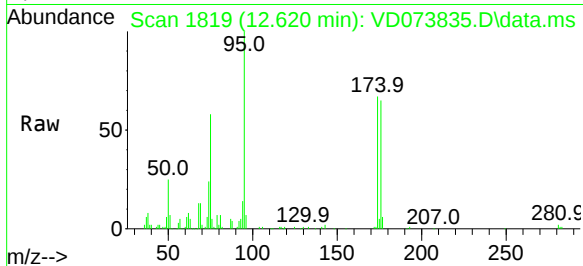




#62
4-Bromofluorobenzene
Concen: 43.169 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

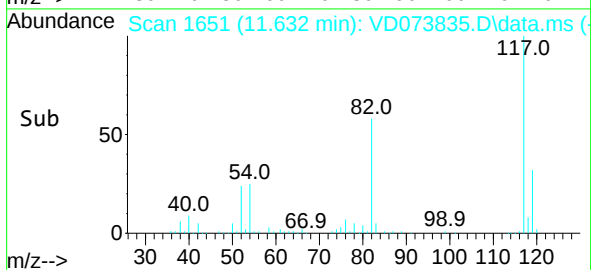
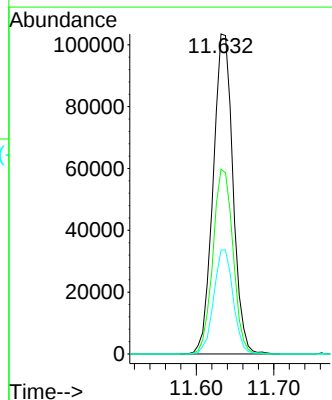
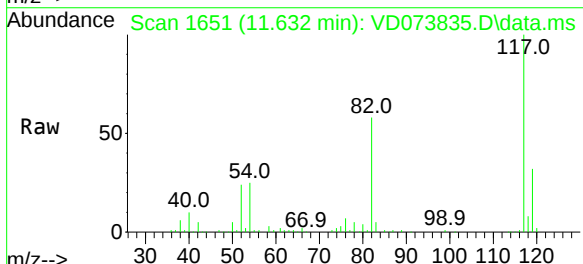
Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

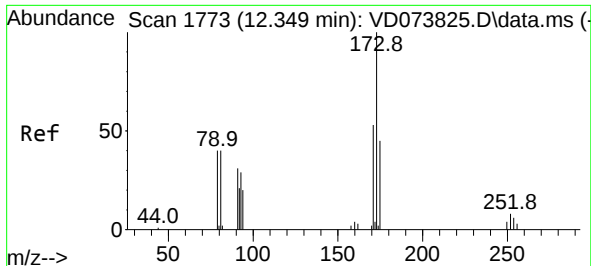
Tgt Ion:	95	Resp:	84801
Ion	Ratio	Lower	Upper
95	100		
174	64.0	0.0	131.8
176	61.6	0.0	124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion:	117	Resp:	183681
Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.6	69.8
119	32.4	26.1	39.1

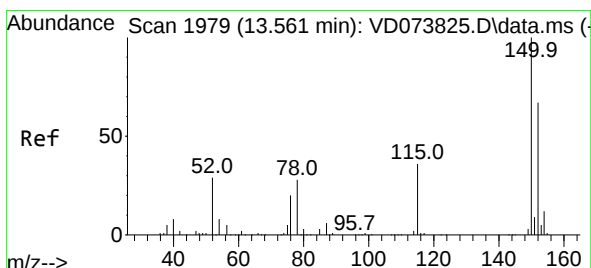
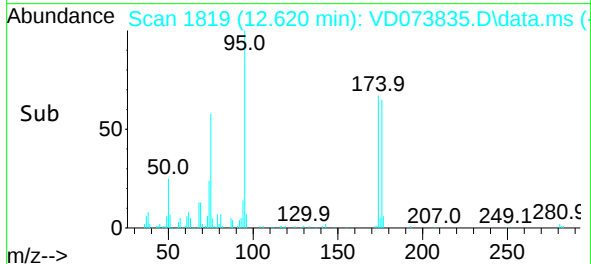
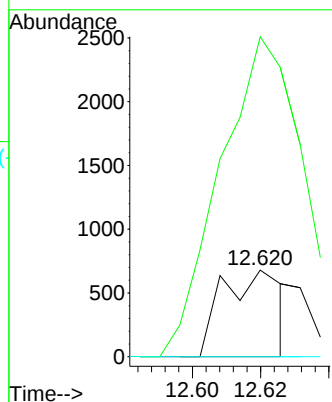
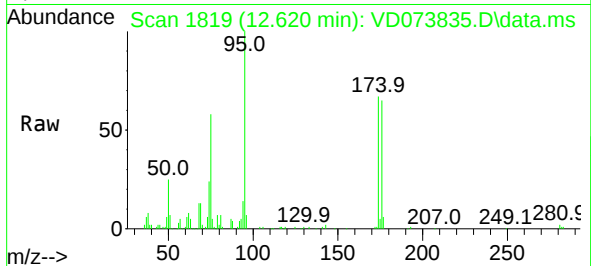




#71
Bromoform
Concen: 1.314 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

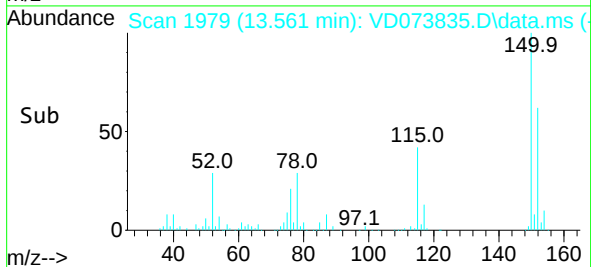
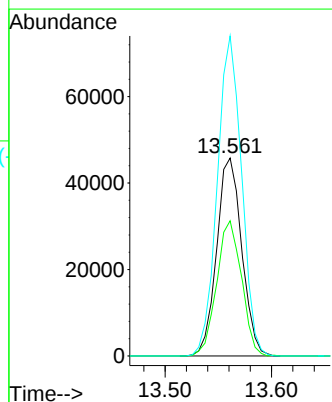
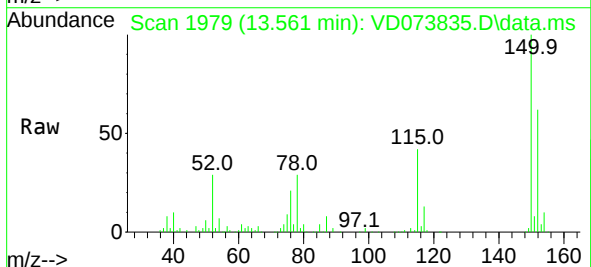
Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

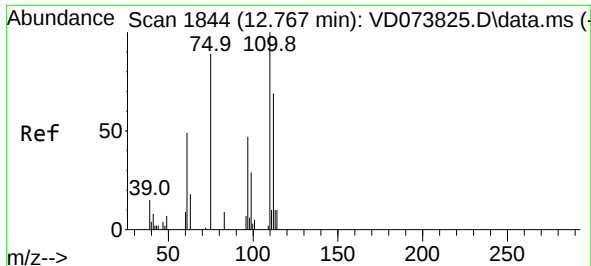
Tgt Ion:173 Resp: 822
Ion Ratio Lower Upper
173 100
175 399.1 23.4 70.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion:152 Resp: 74892
Ion Ratio Lower Upper
152 100
115 67.6 33.5 100.5
150 156.5 0.0 343.2

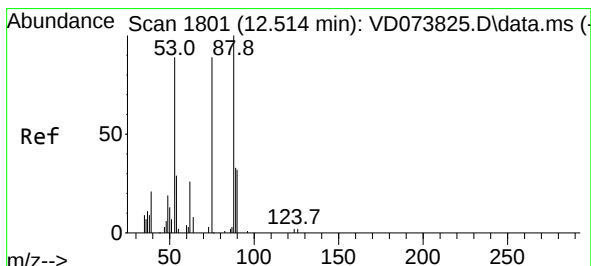
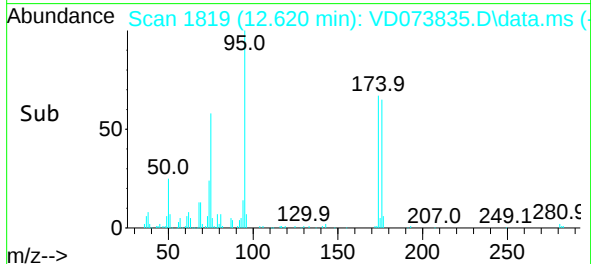
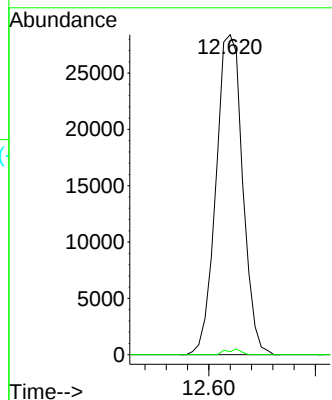
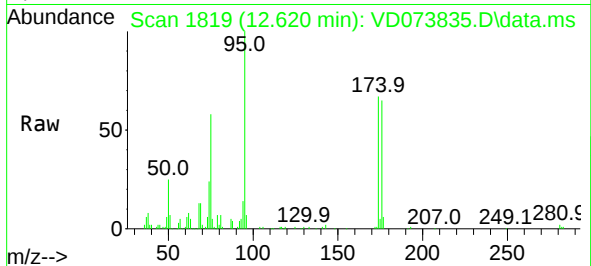




#76
1,2,3-Trichloropropane
Concen: 60.781 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Instrument :
MSVOA_D
ClientSampleId :
NB-08-070822

Tgt Ion: 75 Resp: 49245
Ion Ratio Lower Upper
75 100
77 1.0 138.0 414.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.739 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073835.D
Acq: 12 Jul 2022 13:29

Tgt Ion: 75 Resp: 49245
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.1 34.8 52.2#

