

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073009.D
 Acq On : 22 Jun 2022 07:18
 Operator : JC\MD
 Sample : N3381-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-06-16

Quant Time: Jun 22 09:16:37 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

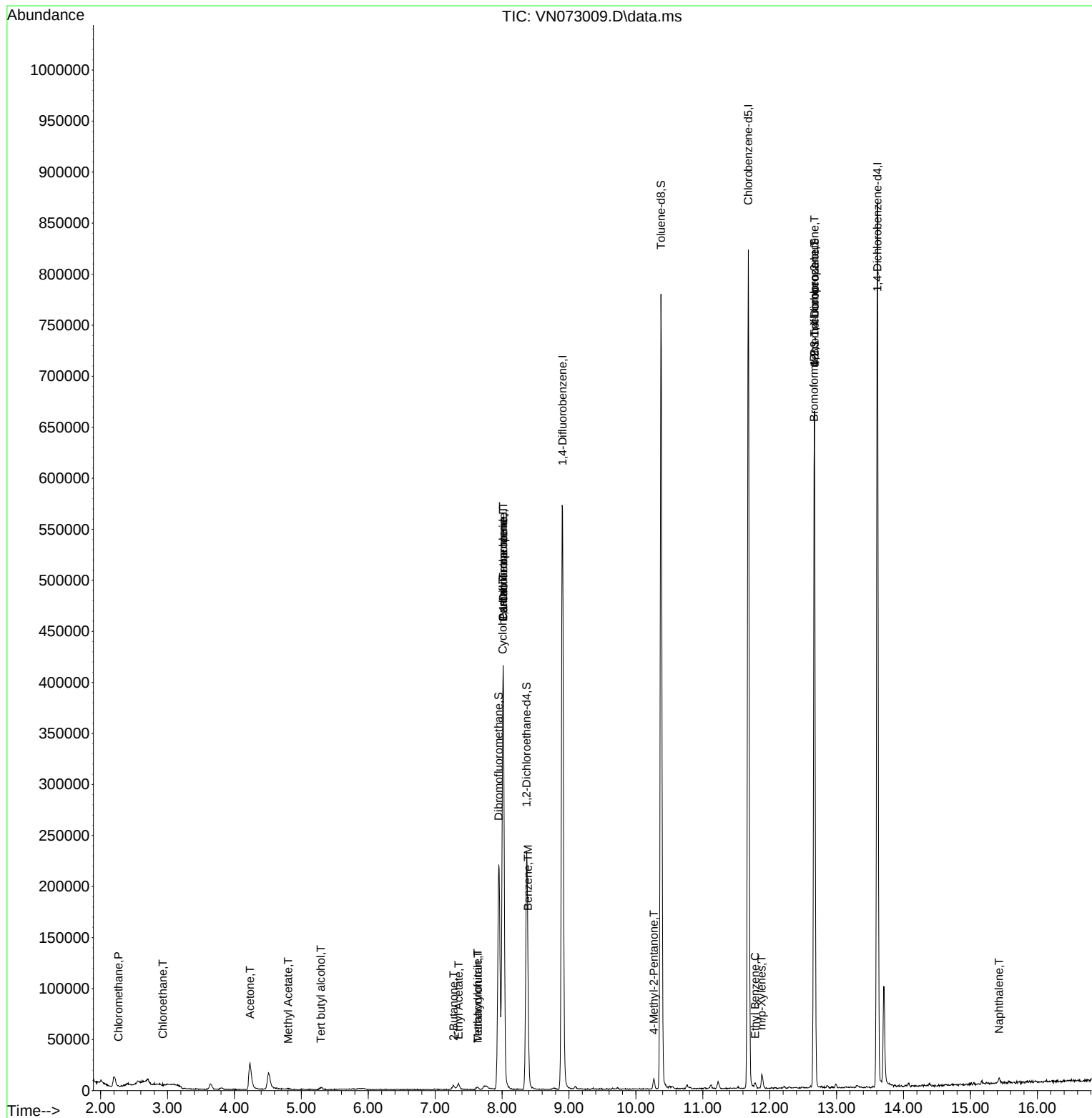
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	317347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	517024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	464514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	226177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192099	44.774	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.540%
35) Dibromofluoromethane	7.951	113	165482	51.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.560%
50) Toluene-d8	10.374	98	529551	44.533	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.060%
62) 4-Bromofluorobenzene	12.668	95	228625	53.468	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	322	0.667	ug/l #	43
6) Chloroethane	2.928	64	433	0.255	ug/l	95
11) Tert butyl alcohol	5.292	59	3322	2.997	ug/l #	79
16) Acetone	4.234	43	48534	20.579	ug/l	99
18) Methyl Acetate	4.804	43	2402	0.382	ug/l #	58
20) Methylene Chloride	4.998	84	62	Below Cal	#	55
25) 2-Butanone	7.275	43	6301	1.684	ug/l	99
29) Tetrahydrofuran	7.639	42	1898	0.768	ug/l #	50
31) Cyclohexane	8.010	56	7537	1.299	ug/l #	26
36) 1,1-Dichloropropene	8.016	75	25464	5.889	ug/l #	49
37) Ethyl Acetate	7.351	43	9305	1.345	ug/l	96
38) Carbon Tetrachloride	8.016	117	32031	7.042	ug/l #	16
40) Benzene	8.386	78	6481	0.477	ug/l #	72
41) Methacrylonitrile	7.633	41	977	0.298	ug/l #	27
51) 4-Methyl-2-Pentanone	10.269	43	7941	1.232	ug/l	92
67) Ethyl Benzene	11.780	91	3569	0.223	ug/l #	88
68) m/p-Xylenes	11.880	106	4145	0.662	ug/l	91
71) Bromoform	12.663	173	1316	0.505	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	118727	21.651	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	118727	58.472	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.710	75	61	Below Cal	#	1
95) Naphthalene	15.427	128	4918	0.281	ug/l #	94

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

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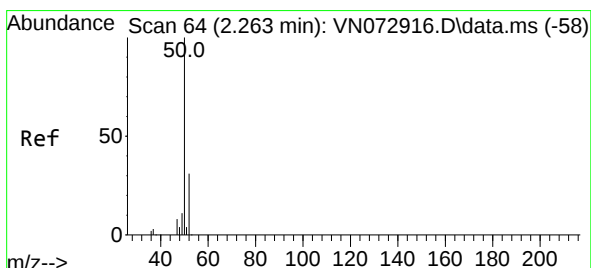
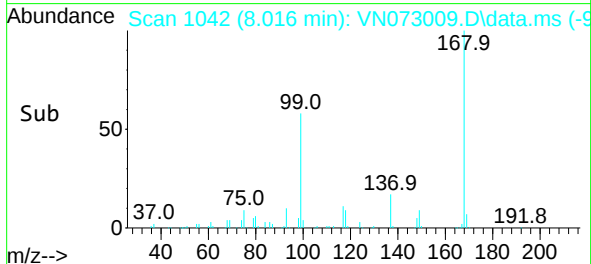
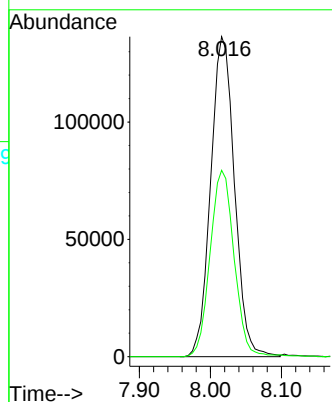
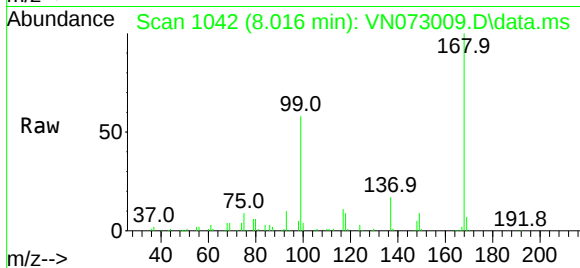




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

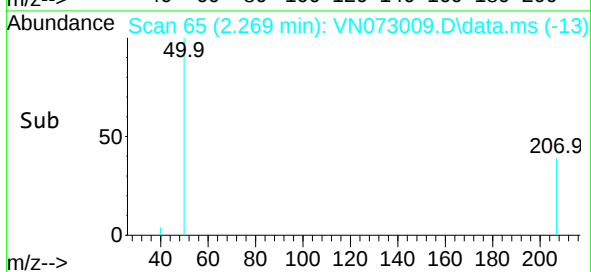
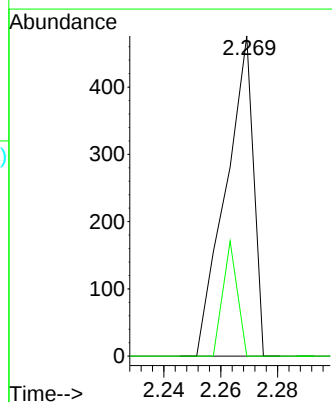
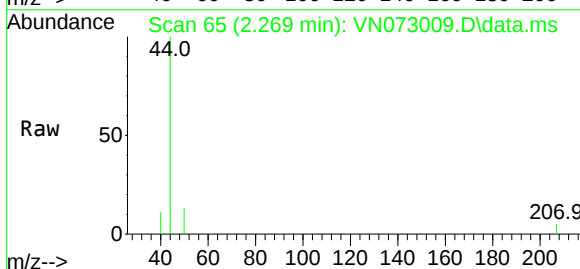
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

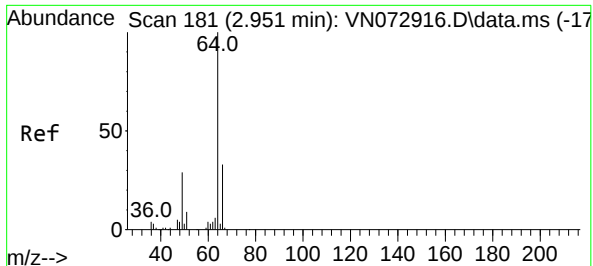
Tgt Ion:168 Resp: 317347
Ion Ratio Lower Upper
168 100
99 58.2 42.3 63.5



#3
Chloromethane
Concen: 0.667 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 50 Resp: 322
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

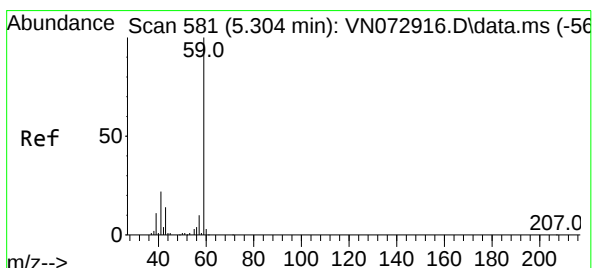
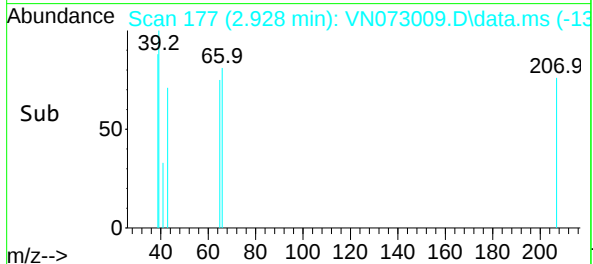
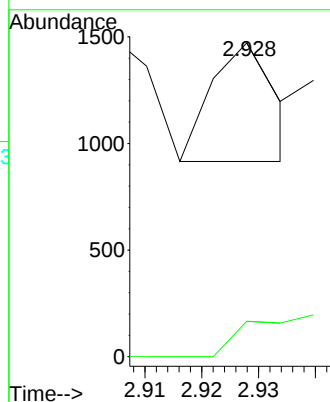
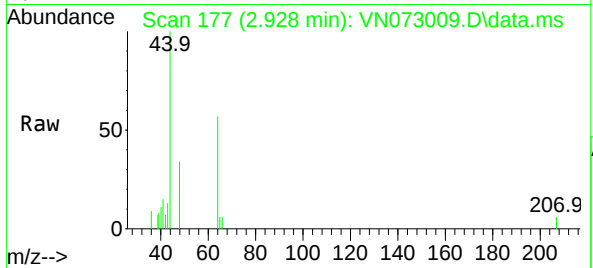




#6
Chloroethane
Concen: 0.255 ug/l
RT: 2.928 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

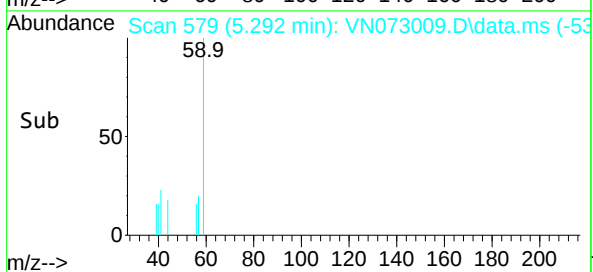
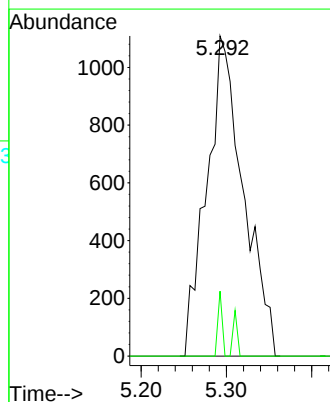
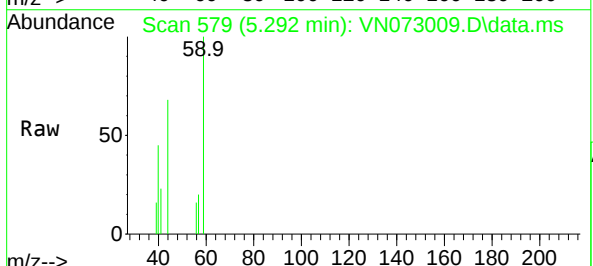
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

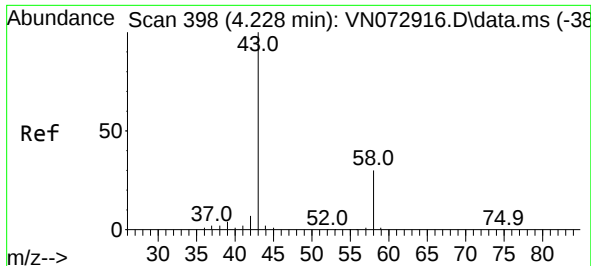
Tgt Ion: 64 Resp: 433
Ion Ratio Lower Upper
64 100
66 29.9 26.2 39.4



#11
Tert butyl alcohol
Concen: 2.997 ug/l
RT: 5.292 min Scan# 579
Delta R.T. -0.012 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 59 Resp: 3322
Ion Ratio Lower Upper
59 100
57 2.4 8.3 12.5#

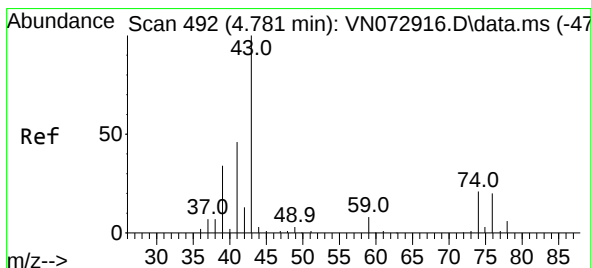
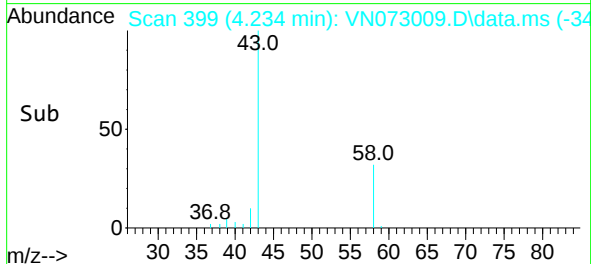
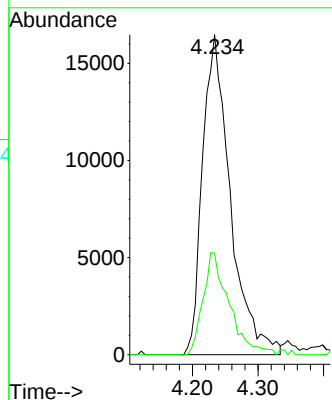
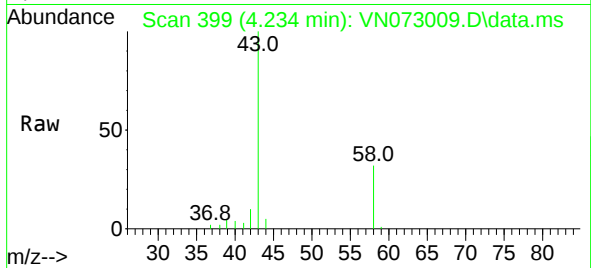




#16
Acetone
Concen: 20.579 ug/l
RT: 4.234 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

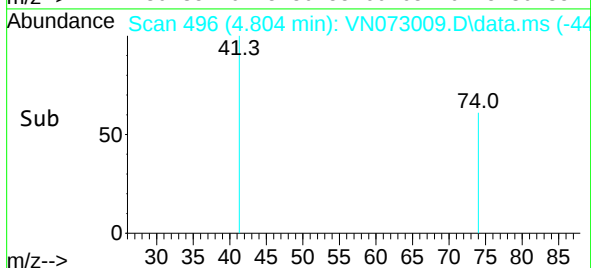
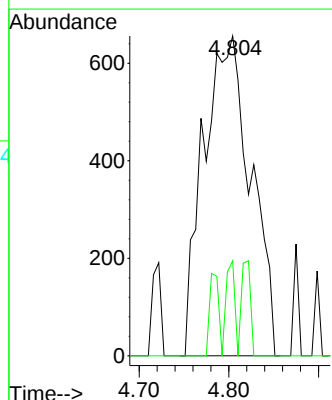
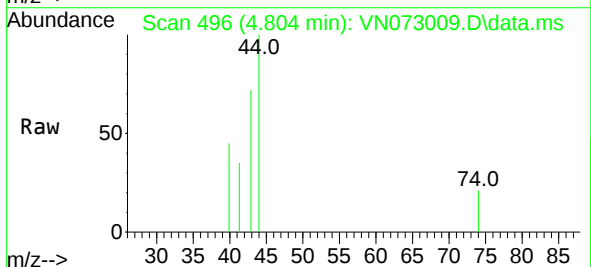
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

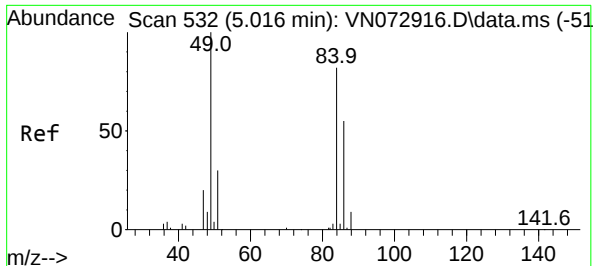
Tgt Ion: 43 Resp: 48534
Ion Ratio Lower Upper
43 100
58 31.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 4.804 min Scan# 496
Delta R.T. 0.024 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

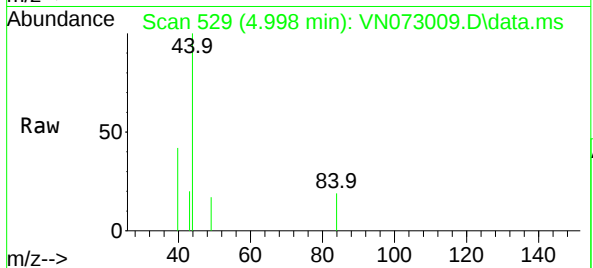
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
74 5.4 21.6 32.4#



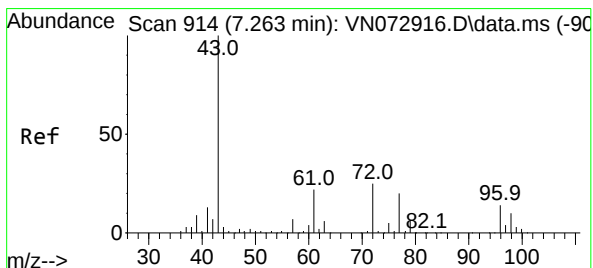
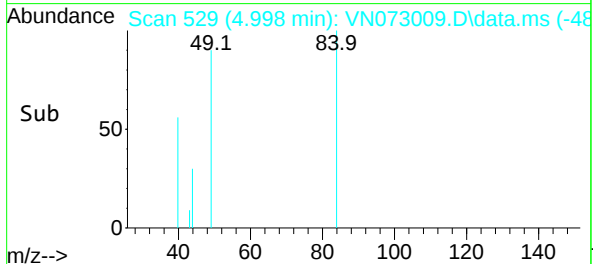
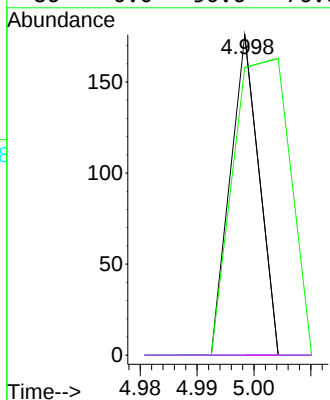


#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

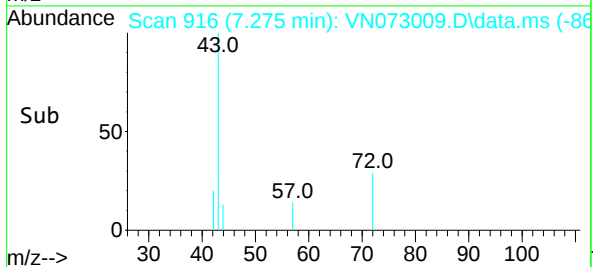
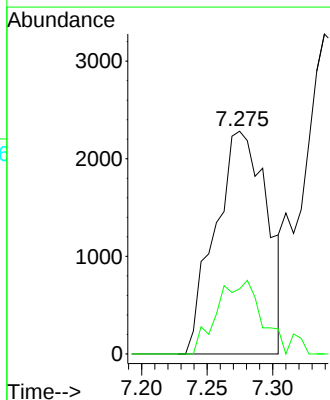
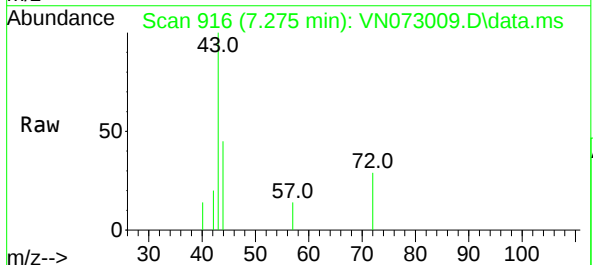


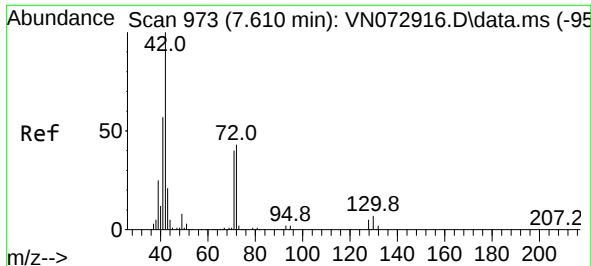
Tgt Ion: 84 Resp: 62
Ion Ratio Lower Upper
84 100
49 89.8 88.3 132.5
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#



#25
2-Butanone
Concen: 1.684 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 43 Resp: 6301
Ion Ratio Lower Upper
43 100
72 29.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 7.639 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN073009.D

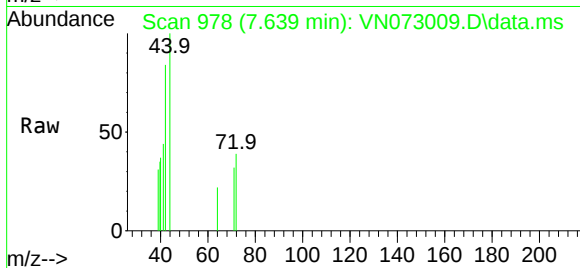
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Instrument :

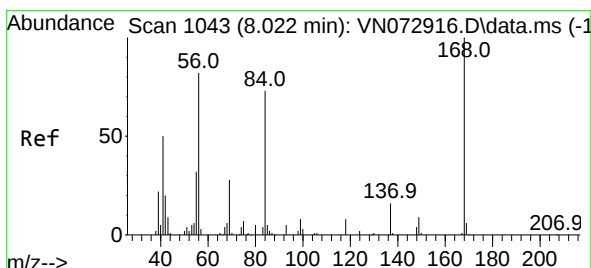
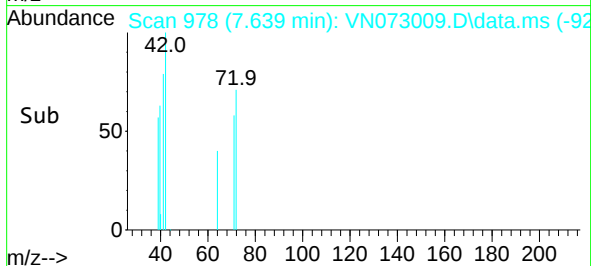
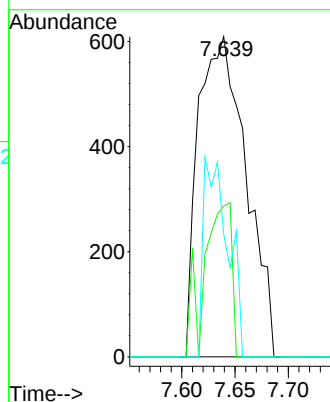
MSVOA_N

ClientSampleId :

EB-2022-06-16



Tgt Ion:	42	Resp:	1898
Ion Ratio	Lower	Upper	
42	100		
72	27.7	39.7	59.5#
71	0.0	36.6	55.0#



#31

Cyclohexane

Concen: 1.299 ug/l

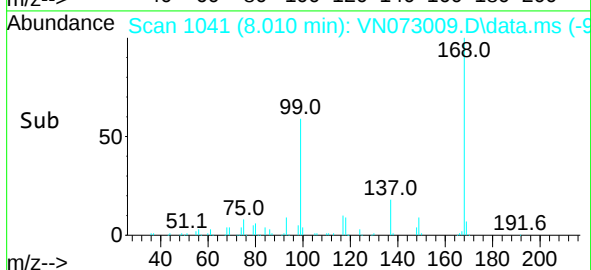
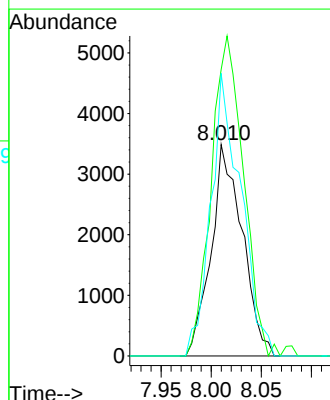
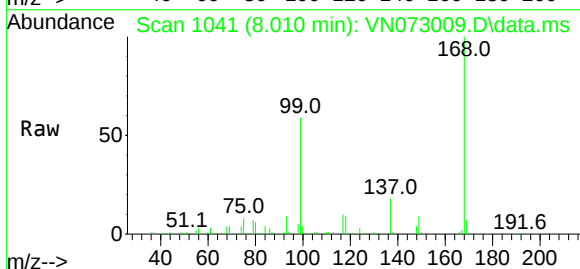
RT: 8.010 min Scan# 1041

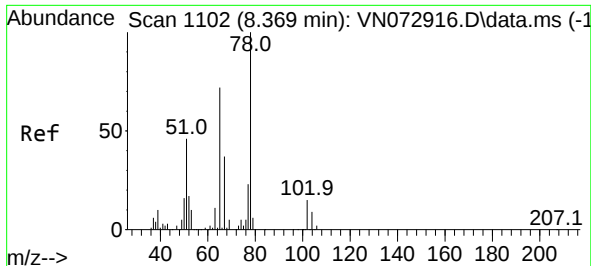
Delta R.T. -0.012 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

Tgt Ion:	56	Resp:	7537
Ion Ratio	Lower	Upper	
56	100		
69	135.4	27.8	41.8#
84	133.7	76.9	115.3#

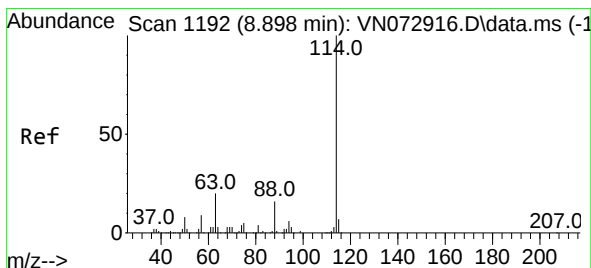
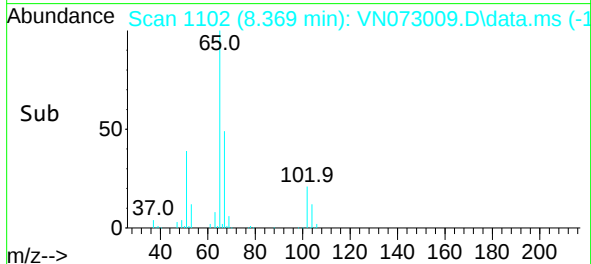
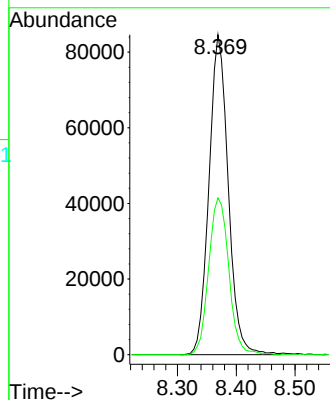
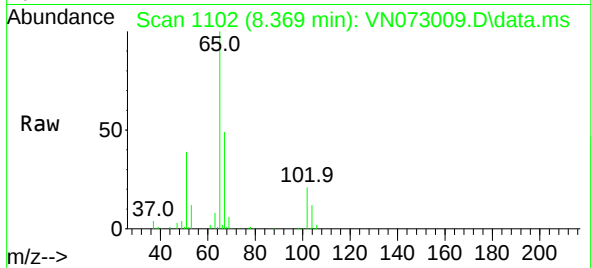




#33
 1,2-Dichloroethane-d4
 Concen: 44.774 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN073009.D
 Acq: 22 Jun 2022 07:18

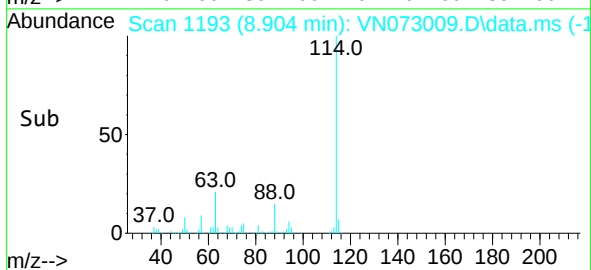
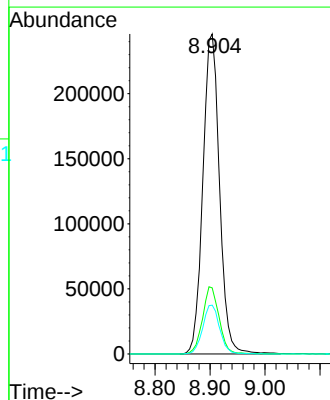
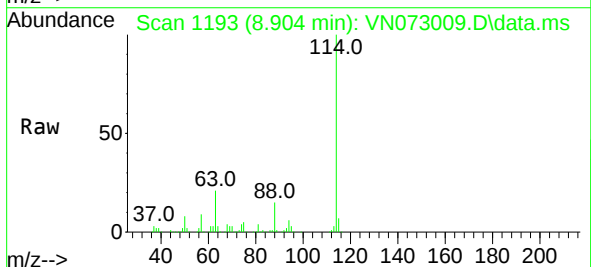
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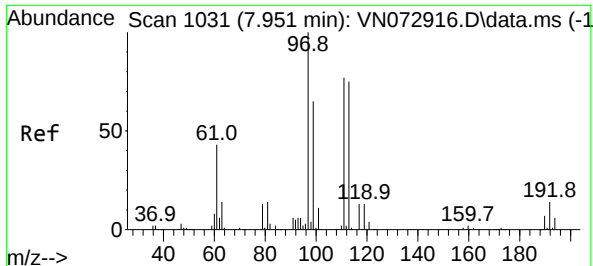
Tgt Ion: 65 Resp: 192099
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073009.D
 Acq: 22 Jun 2022 07:18

Tgt Ion: 114 Resp: 517024
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.783 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-06-16

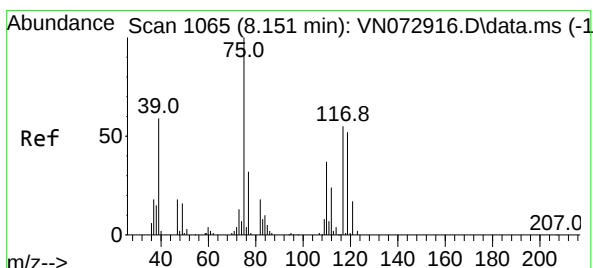
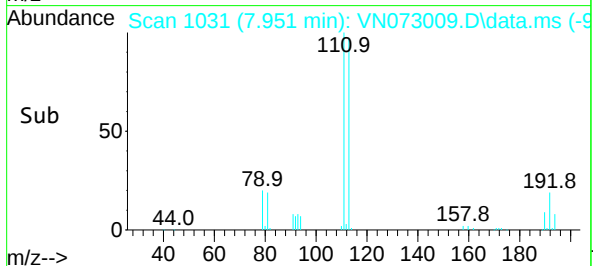
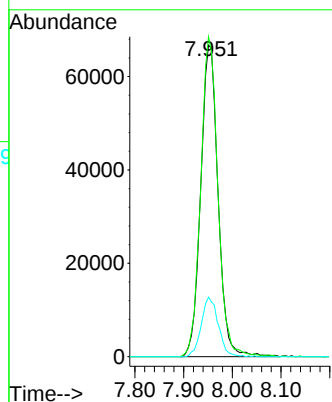
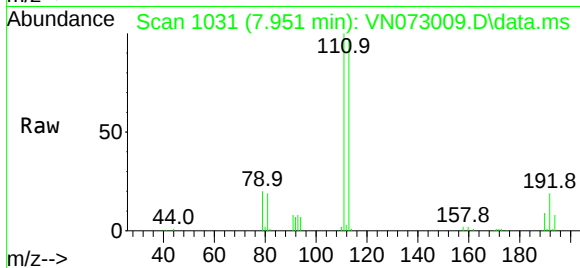
Tgt Ion:113 Resp: 165482

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 18.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.889 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

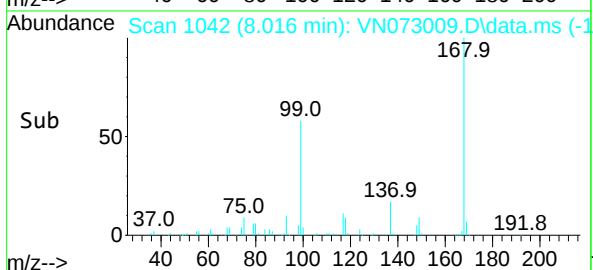
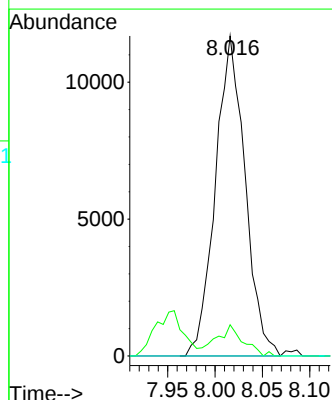
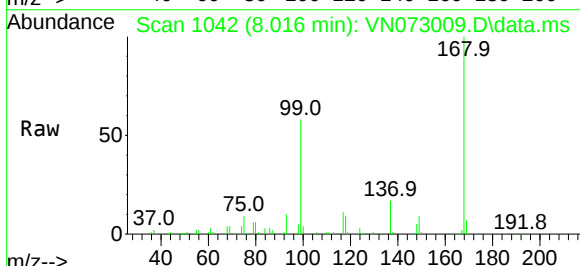
Tgt Ion: 75 Resp: 25464

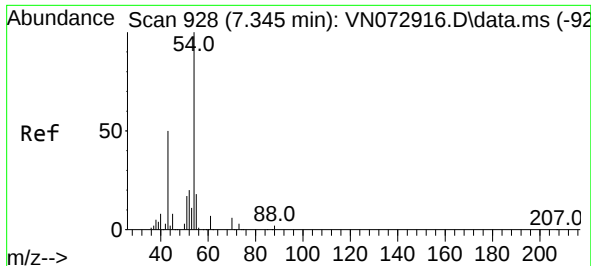
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#

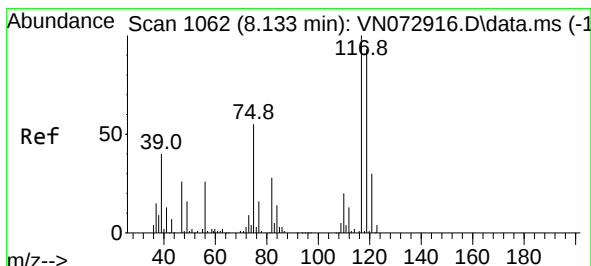
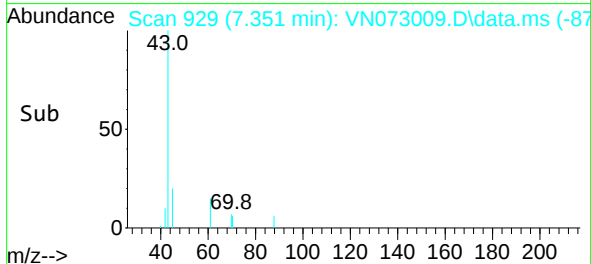
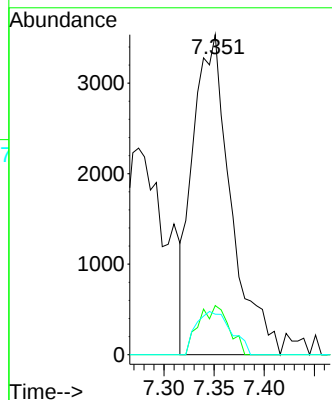
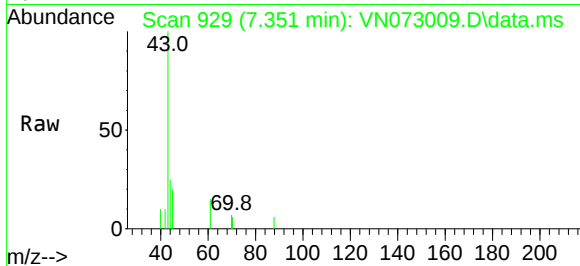




#37
Ethyl Acetate
Concen: 1.345 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

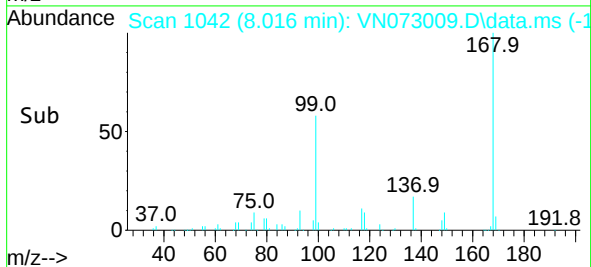
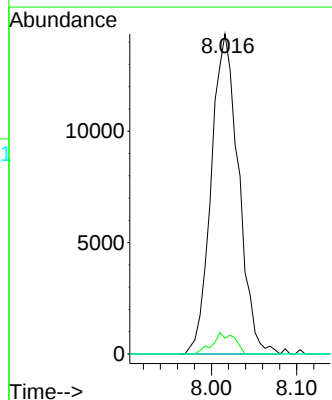
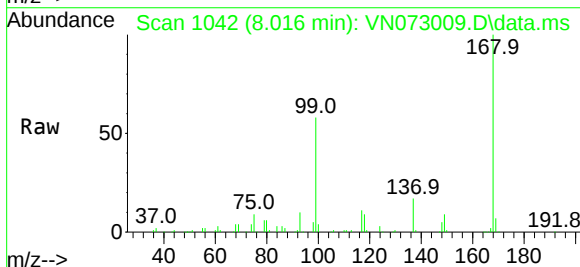
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

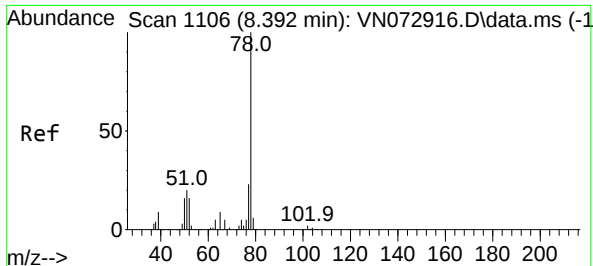
Tgt Ion: 43 Resp: 9305
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 12.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 7.042 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 117 Resp: 32031
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.477 ug/l

RT: 8.386 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

Instrument :

MSVOA_N

ClientSampleId :

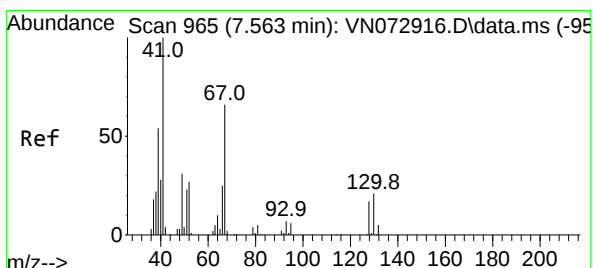
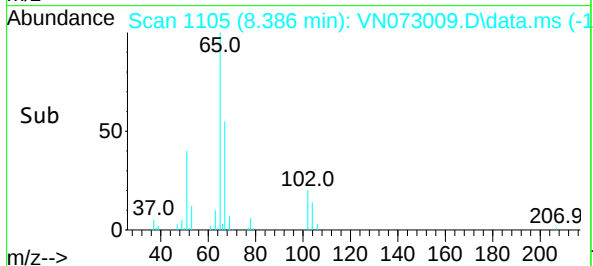
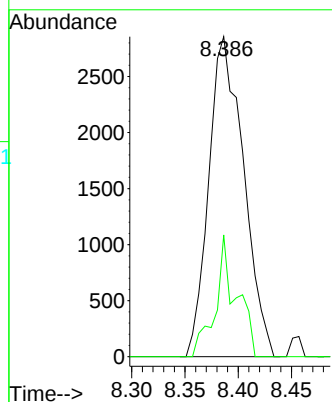
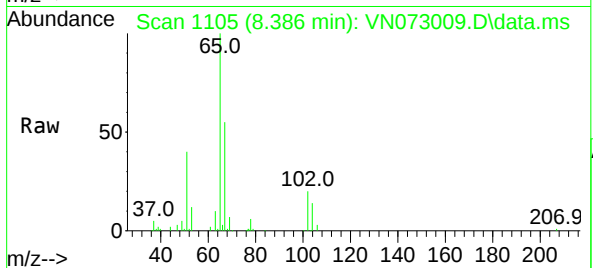
EB-2022-06-16

Tgt Ion: 78 Resp: 6481

Ion Ratio Lower Upper

78 100

77 38.0 19.4 29.0#



#41

Methacrylonitrile

Concen: 0.298 ug/l

RT: 7.633 min Scan# 977

Delta R.T. 0.071 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

Tgt Ion: 41 Resp: 977

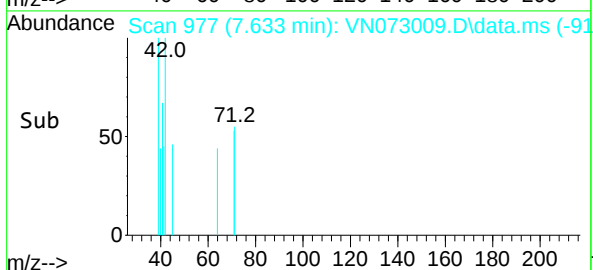
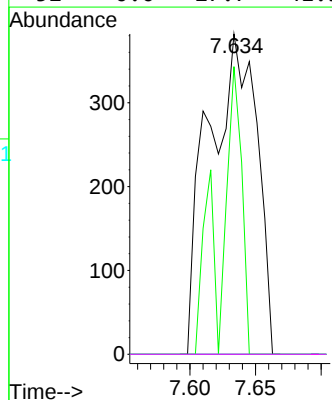
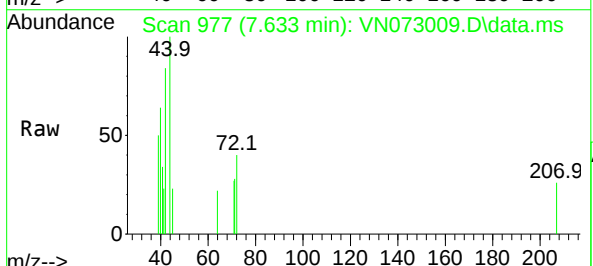
Ion Ratio Lower Upper

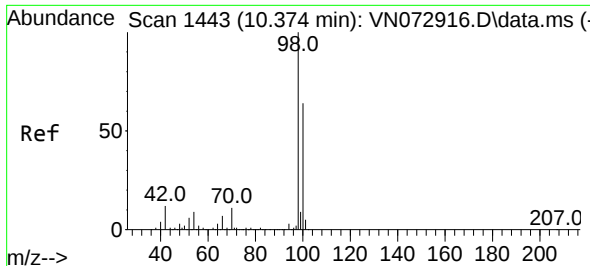
41 100

39 27.1 48.6 73.0#

67 0.0 73.4 110.2#

52 0.0 27.7 41.5#

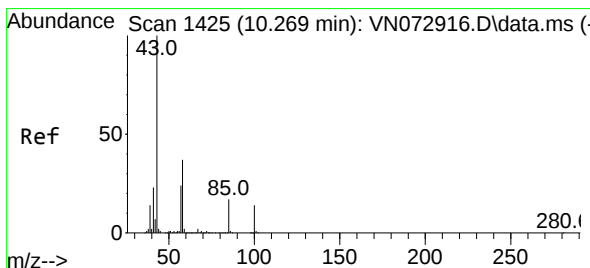
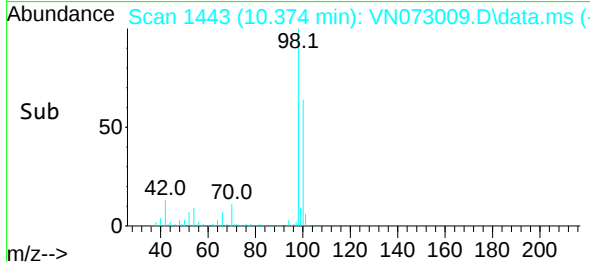
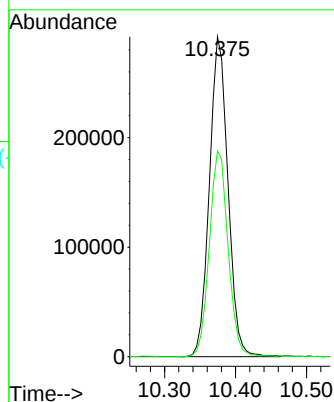
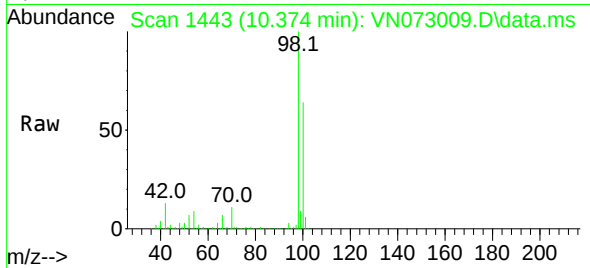




#50
Toluene-d8
Concen: 44.533 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

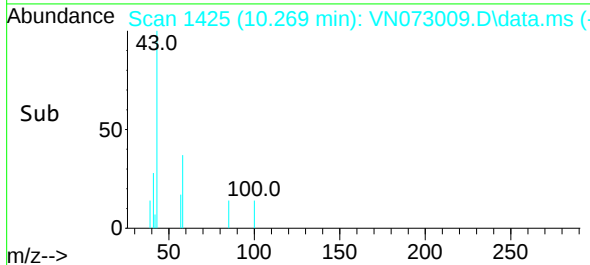
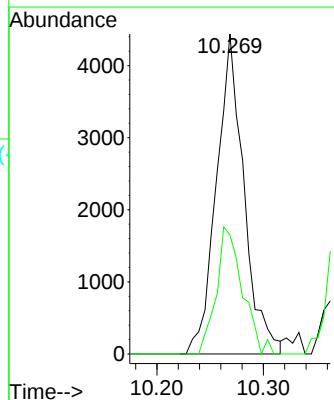
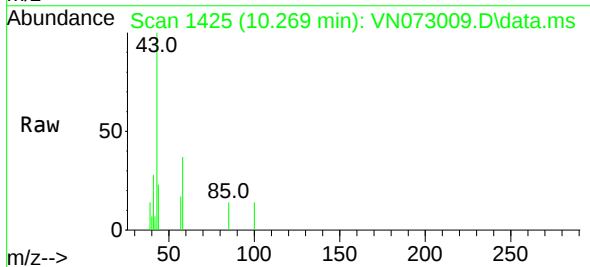
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

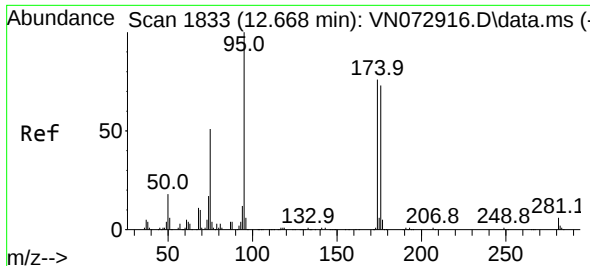
Tgt Ion: 98 Resp: 529551
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.232 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 43 Resp: 7941
Ion Ratio Lower Upper
43 100
58 37.7 34.1 51.1

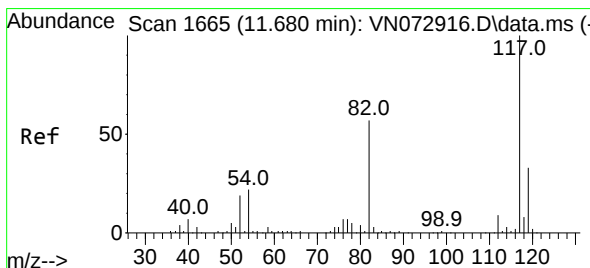
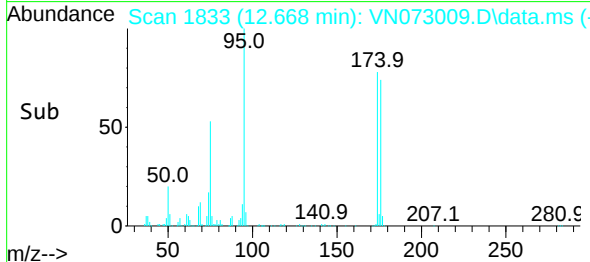
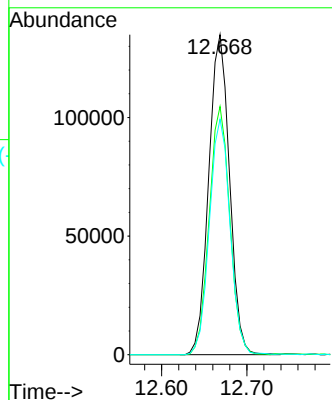
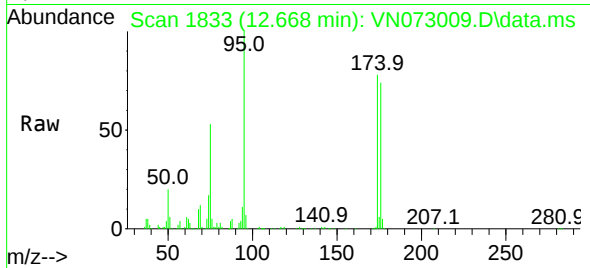




#62
4-Bromofluorobenzene
Concen: 53.468 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

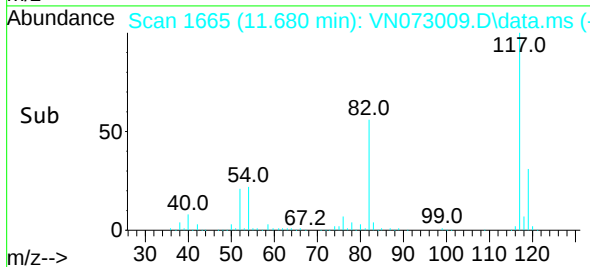
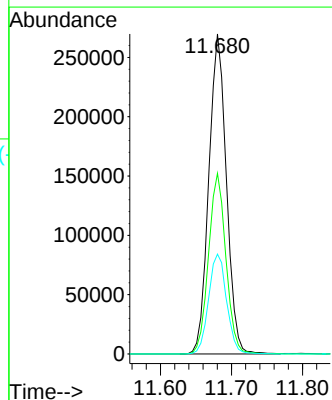
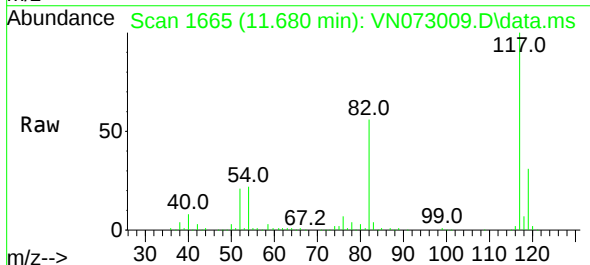
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

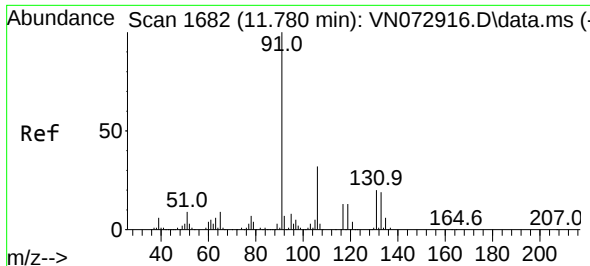
Tgt Ion: 95 Resp: 228625
Ion Ratio Lower Upper
95 100
174 76.7 0.0 167.6
176 73.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 117 Resp: 464514
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 31.2 25.4 38.0

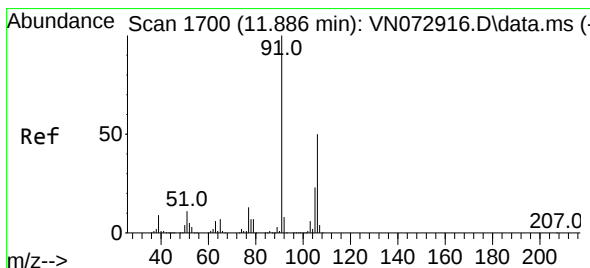
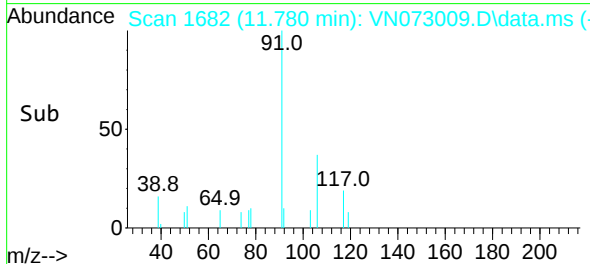
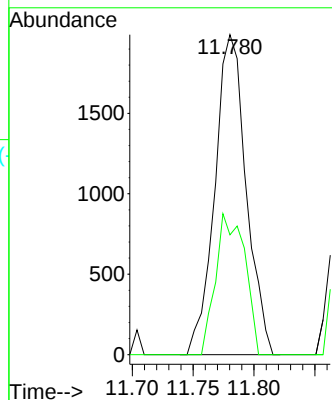
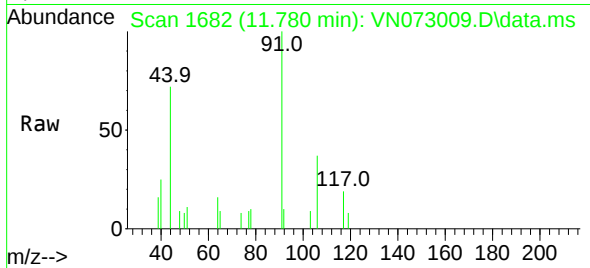




#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 11.780 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

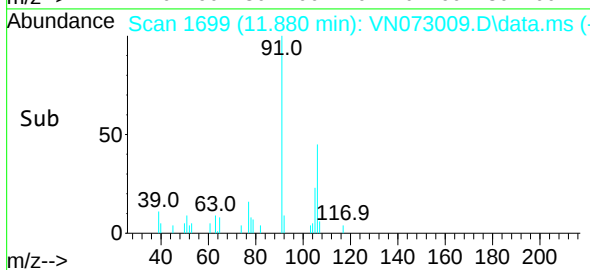
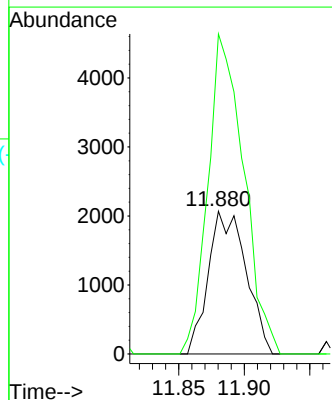
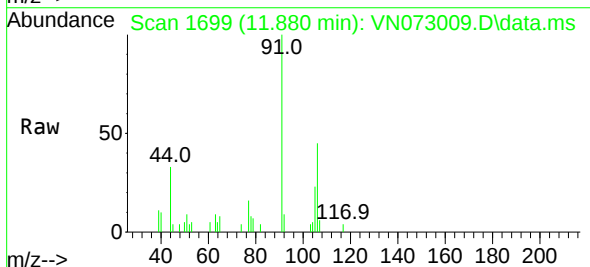
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

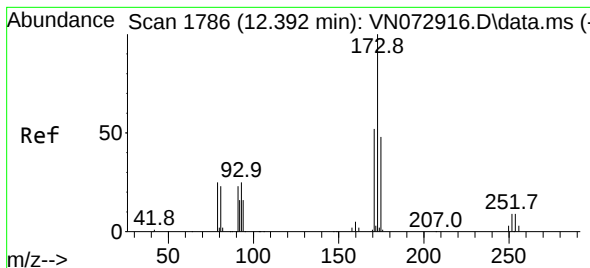
Tgt Ion: 91 Resp: 3569
Ion Ratio Lower Upper
91 100
106 37.5 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.662 ug/l
RT: 11.880 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Tgt Ion: 106 Resp: 4145
Ion Ratio Lower Upper
106 100
91 212.3 158.9 238.3





#71

Bromoform

Concen: 0.505 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. 0.271 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-06-16

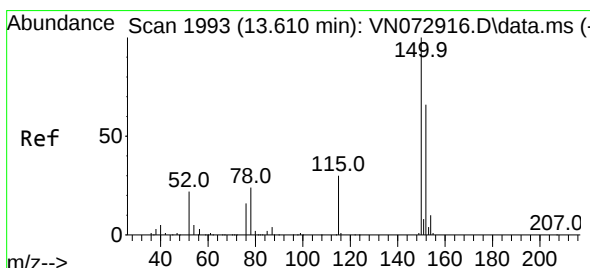
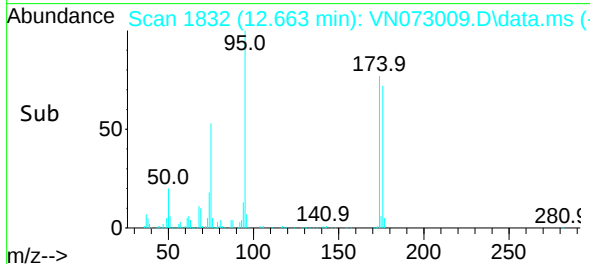
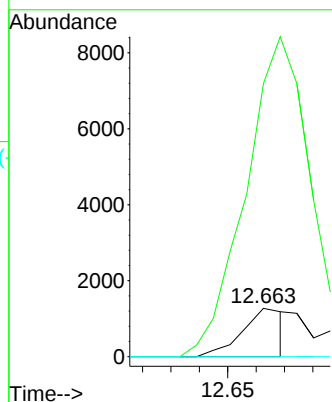
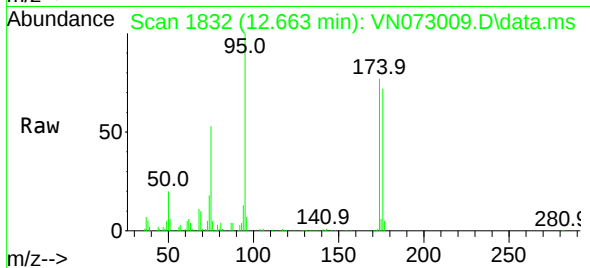
Tgt Ion:173 Resp: 1316

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073009.D

Acq: 22 Jun 2022 07:18

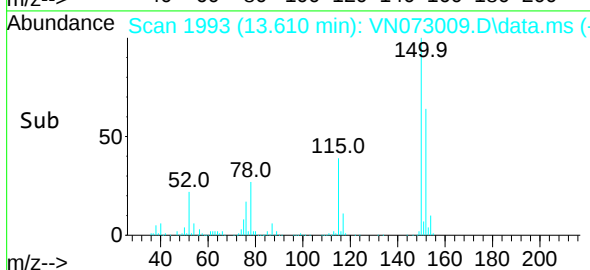
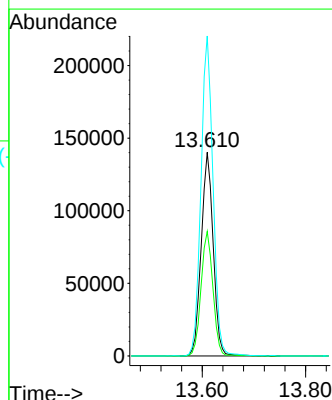
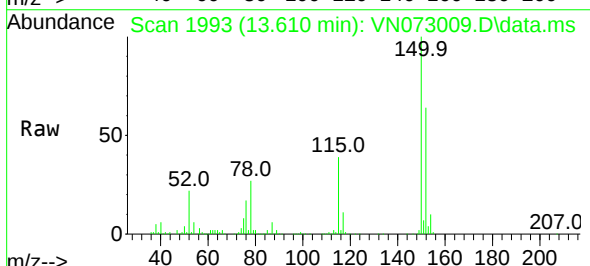
Tgt Ion:152 Resp: 226177

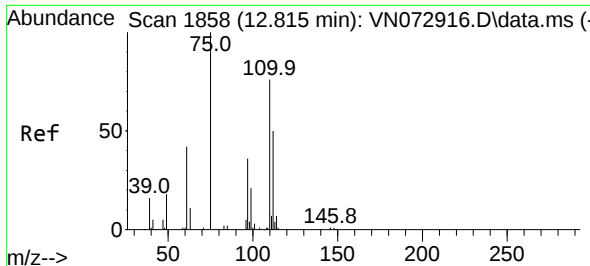
Ion Ratio Lower Upper

152 100

115 60.6 28.9 86.7

150 157.6 0.0 356.2

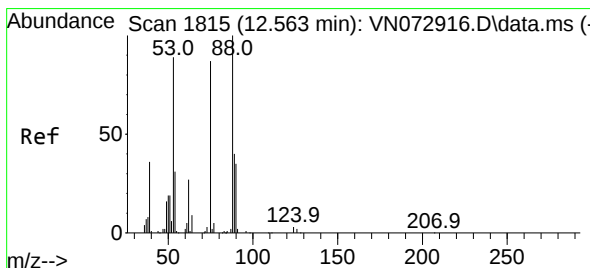
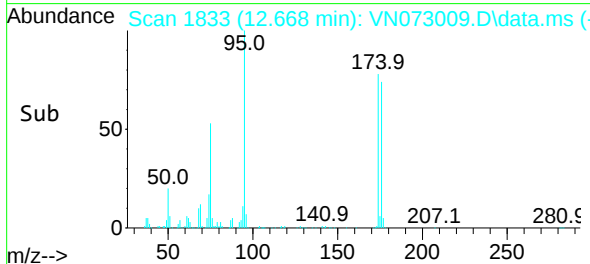
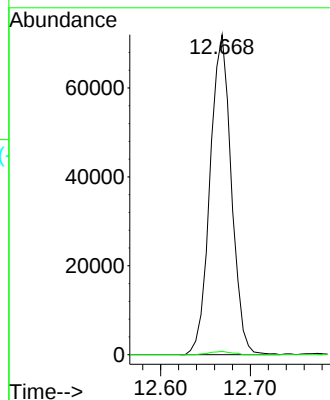
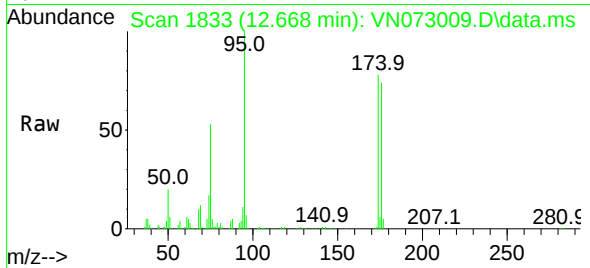




#76
1,2,3-Trichloropropane
Concen: 21.651 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

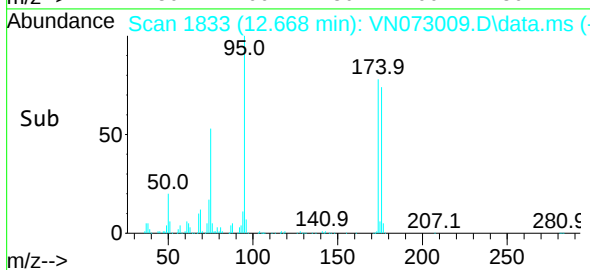
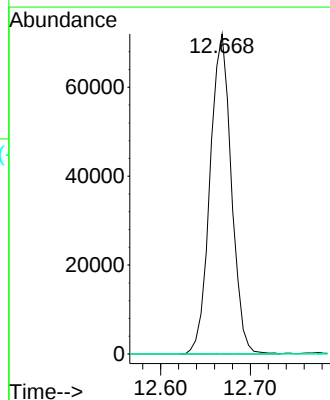
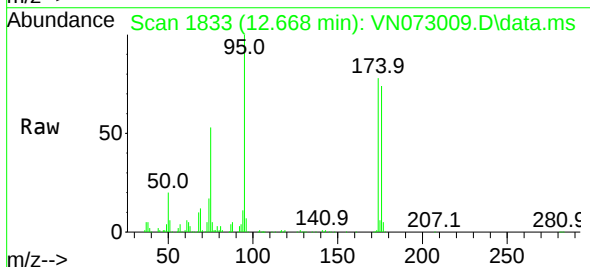
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16

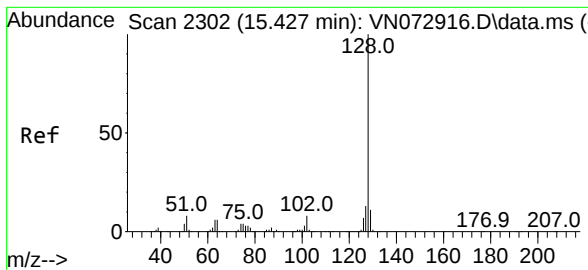
Tgt Ion: 75 Resp: 118727
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.472 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

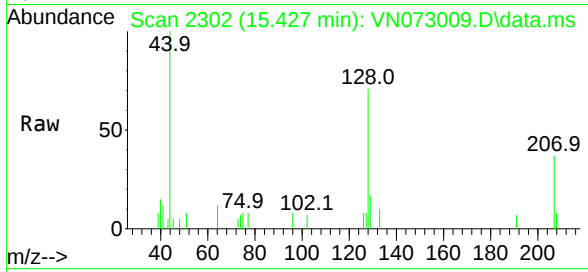
Tgt Ion: 75 Resp: 118727
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.281 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073009.D
Acq: 22 Jun 2022 07:18

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-16



Tgt Ion:	128	Resp:	4918
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.3	15.5#
129	9.3	8.6	13.0

