

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073029.D
 Acq On : 22 Jun 2022 16:54
 Operator : JC\MD
 Sample : N3381-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-10

Quant Time: Jun 23 07:32:51 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)

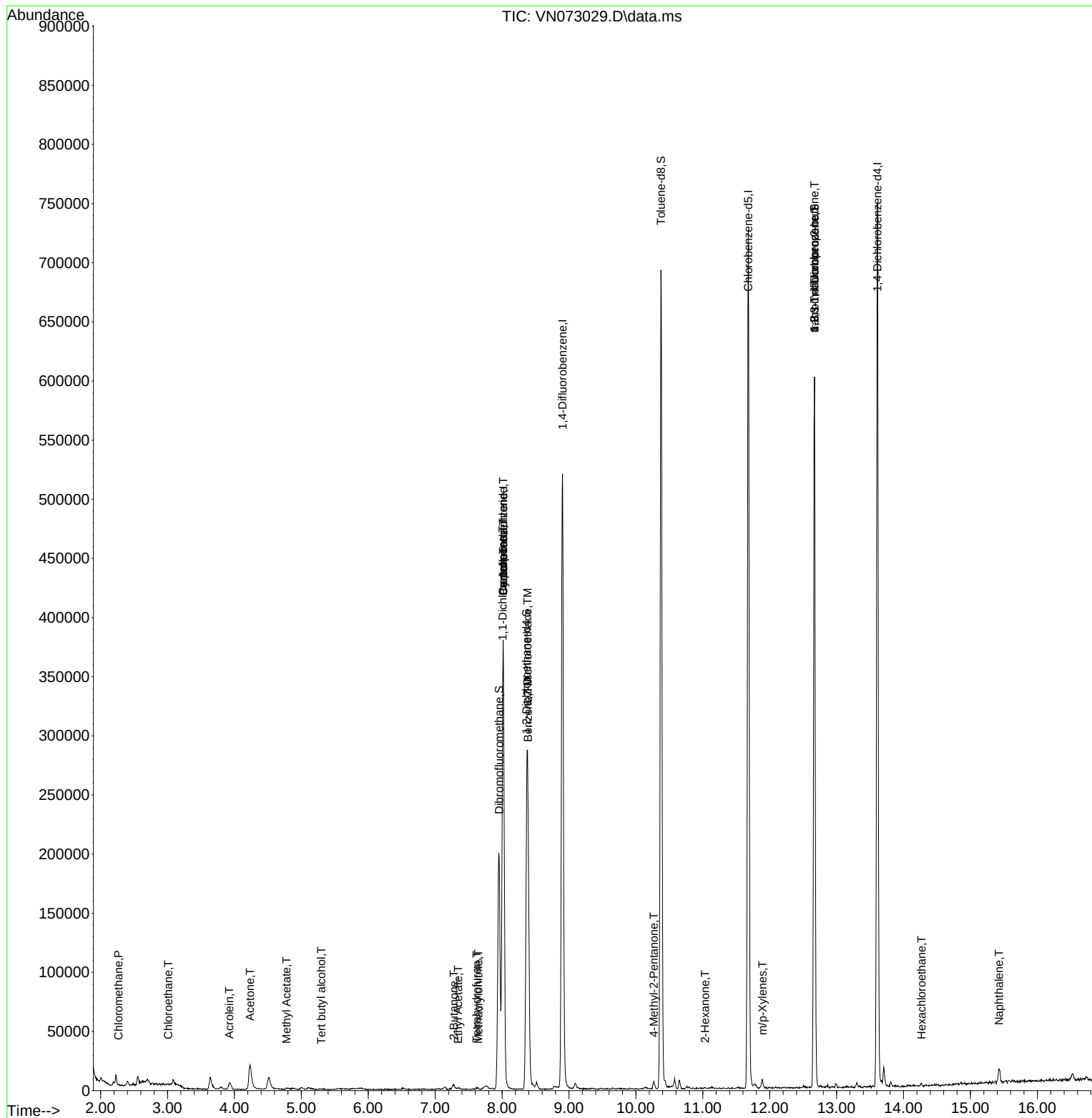
Internal Standards						
1) Pentafluorobenzene	8.016	168	285551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	470663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	427703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	205177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	173055	44.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.660%		
35) Dibromofluoromethane	7.957	113	150392	51.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.400%		
50) Toluene-d8	10.374	98	486201	44.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.840%		
62) 4-Bromofluorobenzene	12.668	95	209356	53.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.560%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	600	0.772	ug/l	99
6) Chloroethane	3.010	64	390	0.256	ug/l	97
11) Tert butyl alcohol	5.298	59	435	0.436	ug/l #	72
13) Acrolein	3.922	56	109	0.278	ug/l #	1
16) Acetone	4.234	43	40581	19.123	ug/l	96
18) Methyl Acetate	4.781	43	1650	0.292	ug/l	100
25) 2-Butanone	7.281	43	7147	2.122	ug/l	98
29) Tetrahydrofuran	7.622	42	578	0.260	ug/l #	36
31) Cyclohexane	8.016	56	6835	1.309	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	23513	5.973	ug/l #	48
37) Ethyl Acetate	7.345	43	2688	0.427	ug/l #	67
38) Carbon Tetrachloride	8.016	117	30018	7.250	ug/l #	18
40) Benzene	8.386	78	152020	12.288	ug/l	98
41) Methacrylonitrile	7.645	41	788	0.264	ug/l #	16
42) 1,2-Dichloroethane	8.381	62	1606	0.366	ug/l	85
51) 4-Methyl-2-Pentanone	10.269	43	4529	0.772	ug/l #	80
59) 2-Hexanone	11.033	43	974	0.215	ug/l #	29
68) m/p-Xylenes	11.892	106	2708	0.470	ug/l #	70
76) 1,2,3-Trichloropropane	12.668	75	108095	21.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	108095	58.684	ug/l #	10
90) Hexachloroethane	14.268	117	1438	0.591	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.727	75	58	Below Cal	#	1
95) Naphthalene	15.427	128	13512	0.852	ug/l #	90

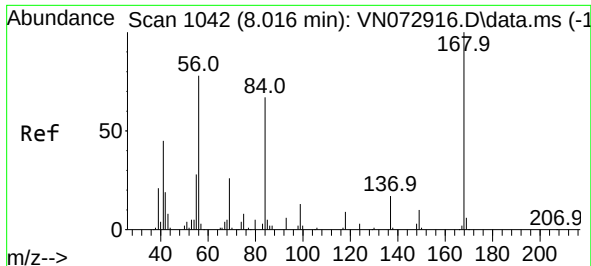
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 07:32:51 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

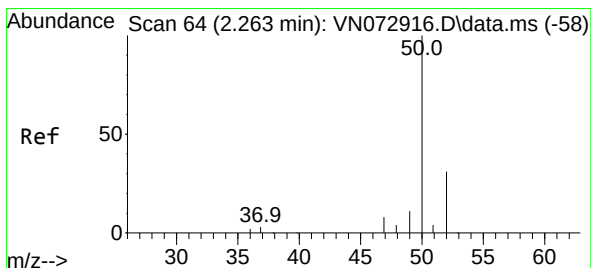
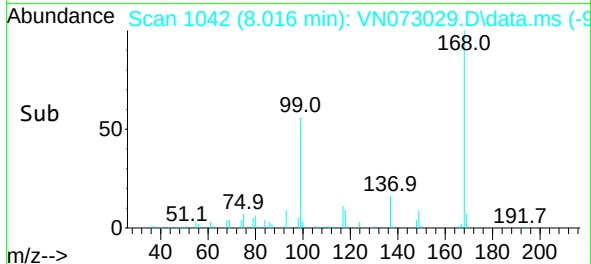
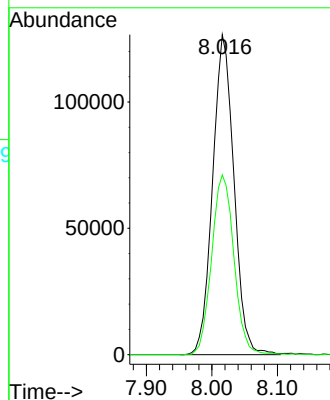
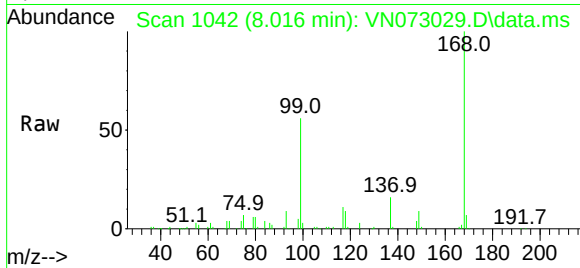




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

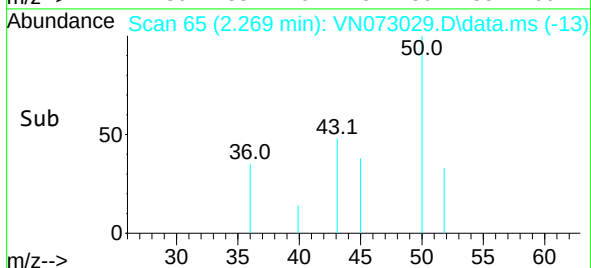
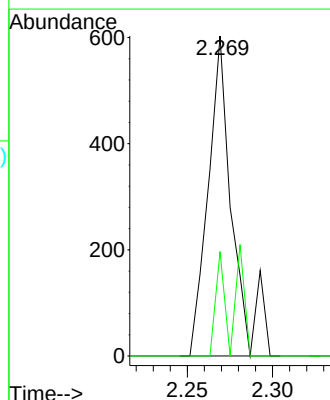
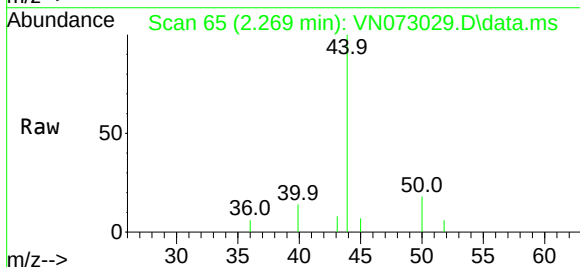
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

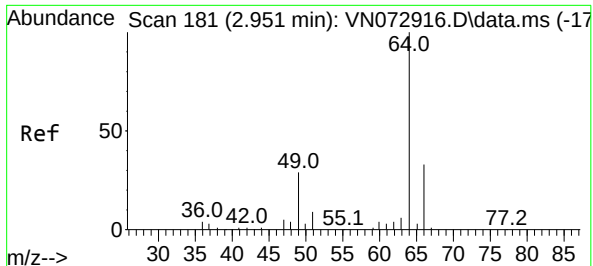
Tgt Ion:168 Resp: 285551
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#3
Chloromethane
Concen: 0.772 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 50 Resp: 600
Ion Ratio Lower Upper
50 100
52 32.7 25.7 38.5

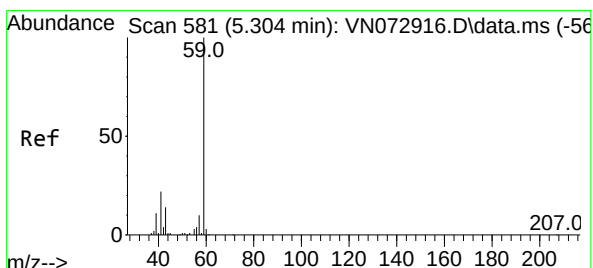
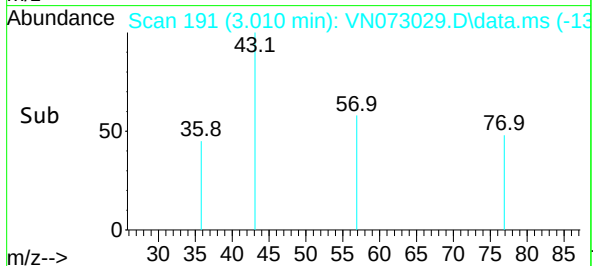
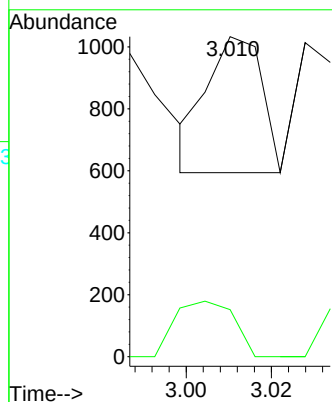
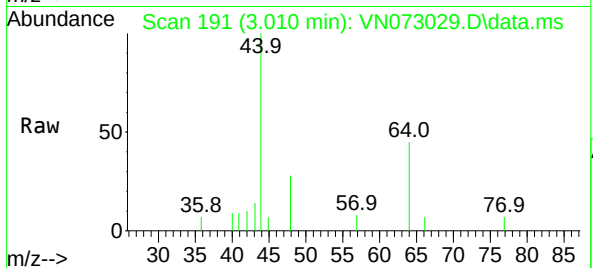




#6
Chloroethane
Concen: 0.256 ug/l
RT: 3.010 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

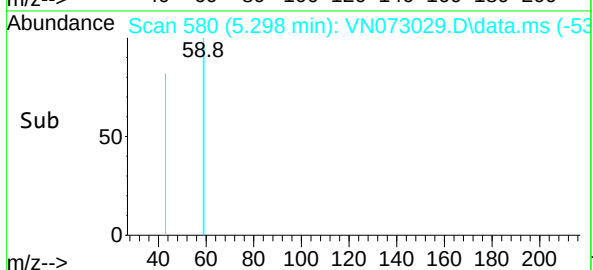
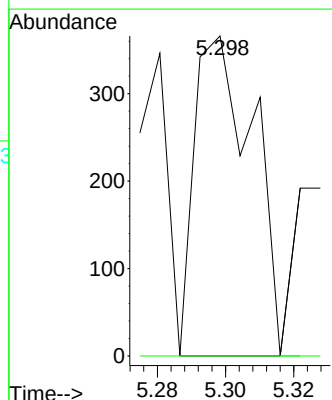
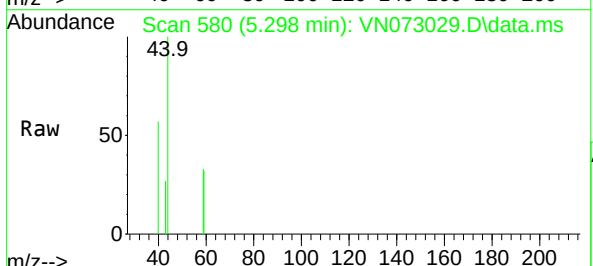
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

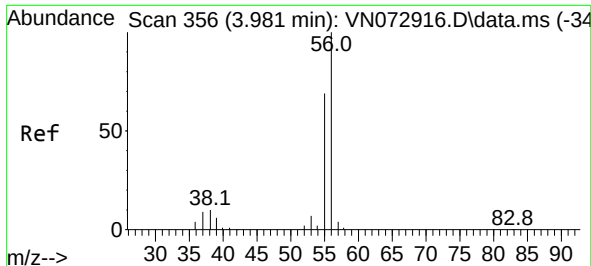
Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 34.6 26.2 39.4



#11
Tert butyl alcohol
Concen: 0.436 ug/l
RT: 5.298 min Scan# 580
Delta R.T. -0.006 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

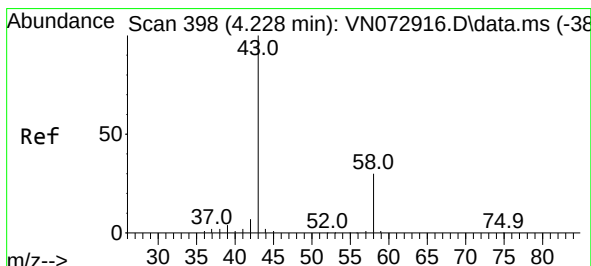
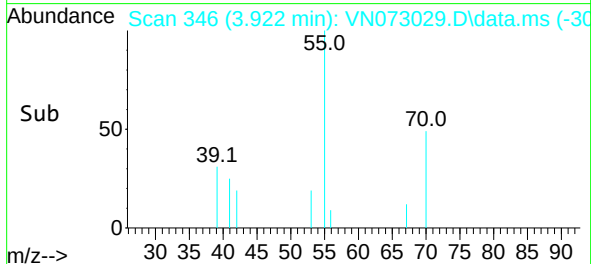
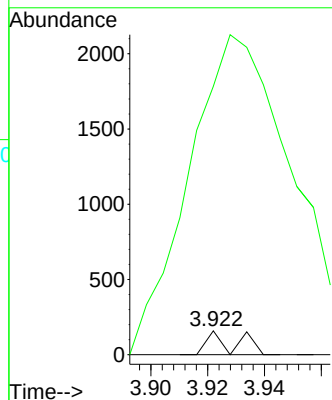
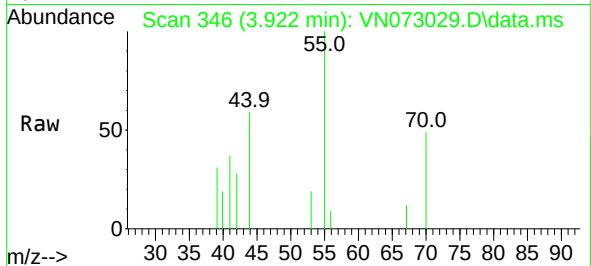




#13
Acrolein
Concen: 0.278 ug/l
RT: 3.922 min Scan# 346
Delta R.T. -0.059 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

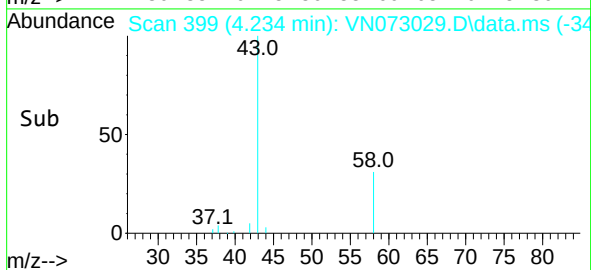
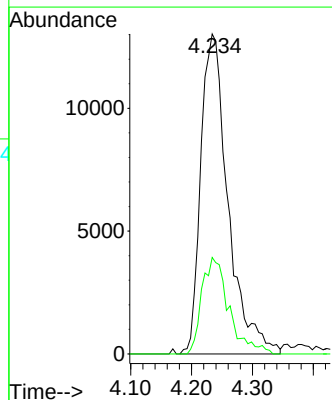
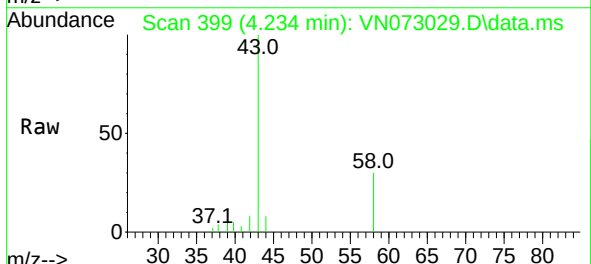
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

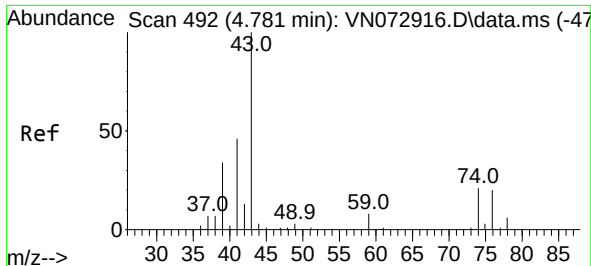
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 4956.0 54.8 82.2#



#16
Acetone
Concen: 19.123 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 43 Resp: 40581
Ion Ratio Lower Upper
43 100
58 30.2 26.0 39.0

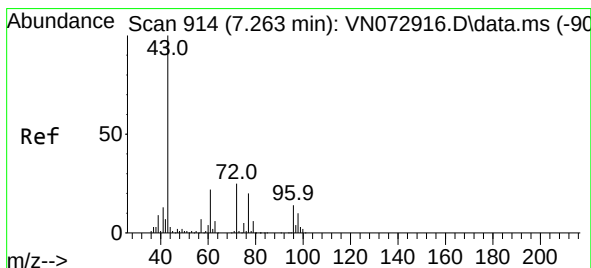
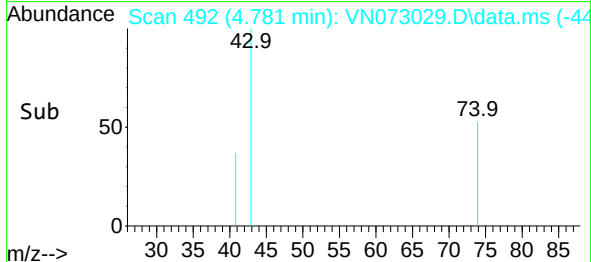
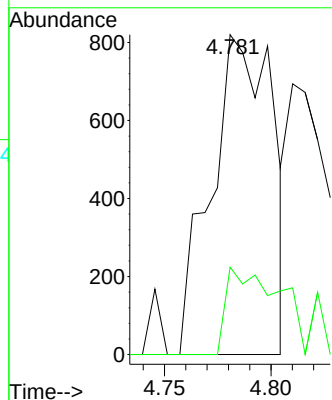
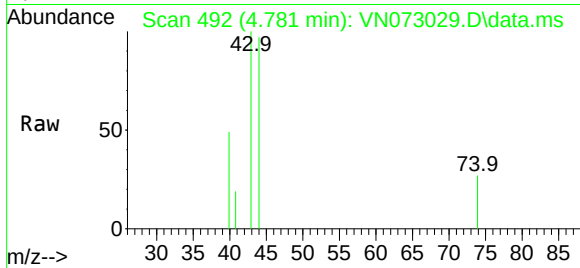




#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

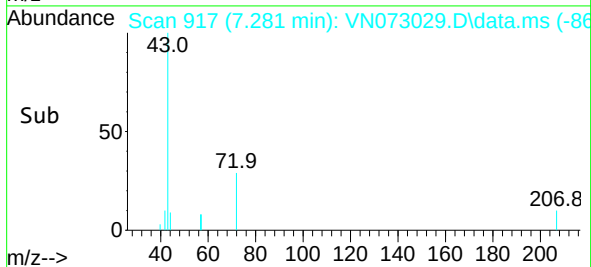
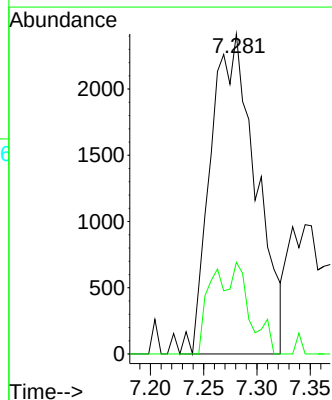
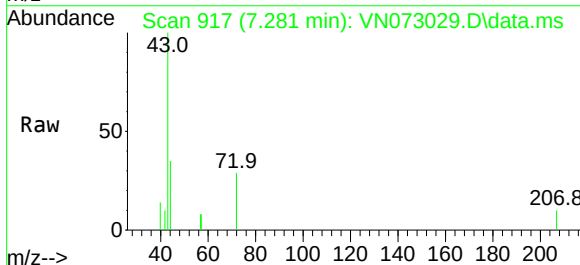
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

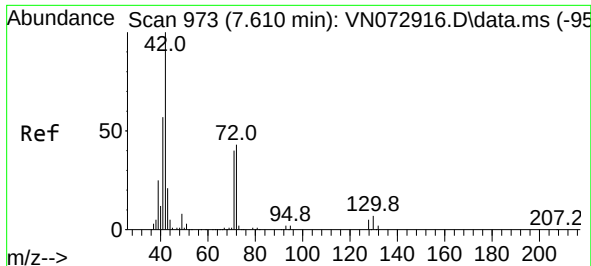
Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
74 26.8 21.6 32.4



#25
2-Butanone
Concen: 2.122 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.018 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 43 Resp: 7147
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

PZ-10

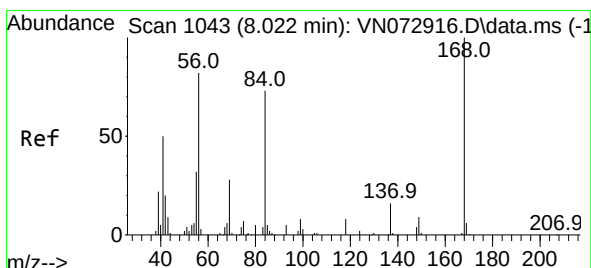
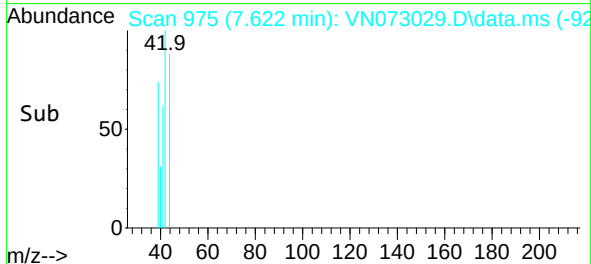
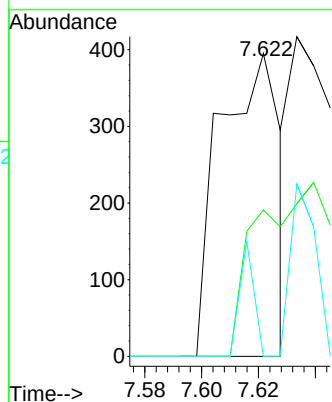
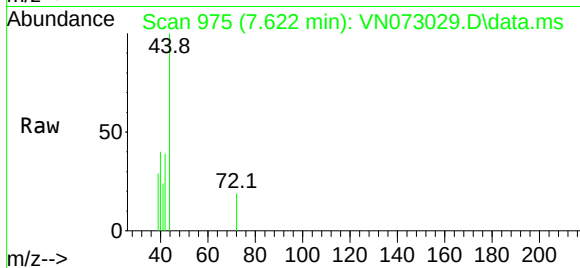
Tgt Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 9.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

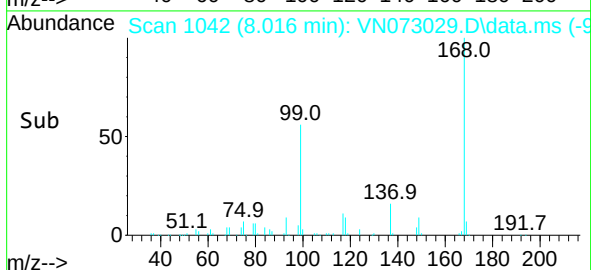
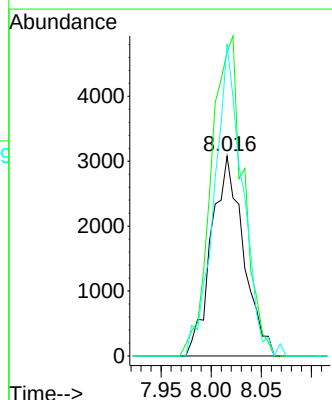
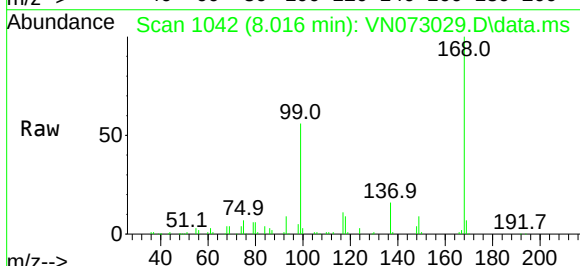
Tgt Ion: 56 Resp: 6835

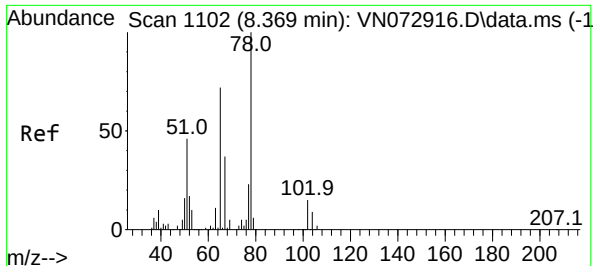
Ion Ratio Lower Upper

56 100

69 152.1 27.8 41.8#

84 156.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.826 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

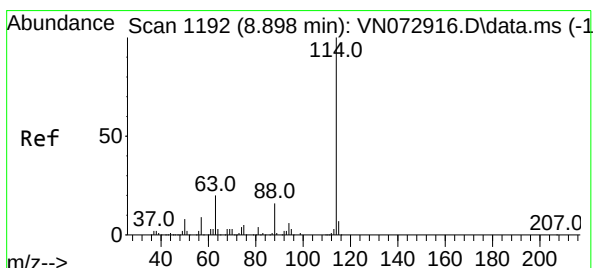
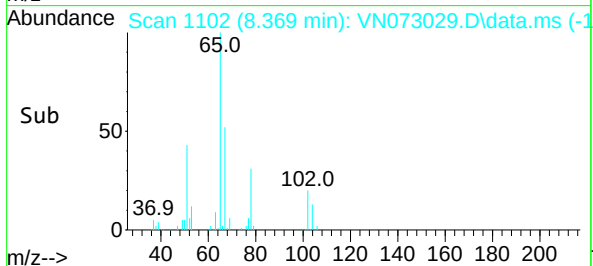
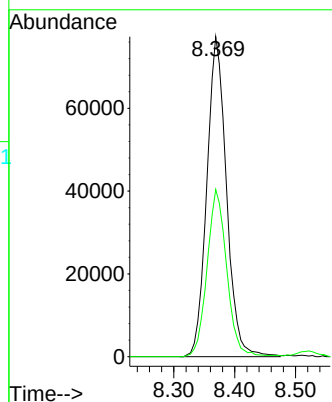
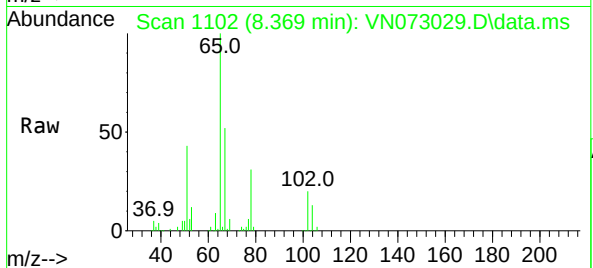
PZ-10

Tgt Ion: 65 Resp: 173055

Ion Ratio Lower Upper

65 100

67 52.4 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: VN073029.D

Acq: 22 Jun 2022 16:54

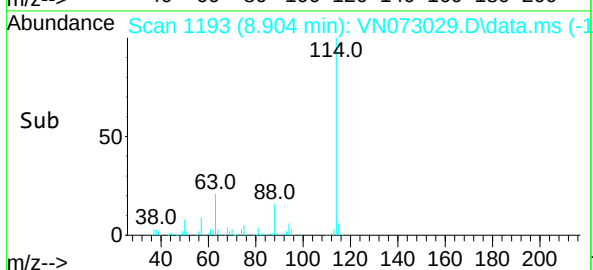
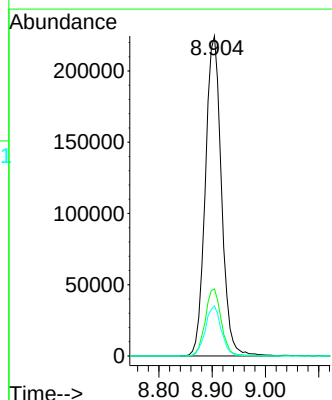
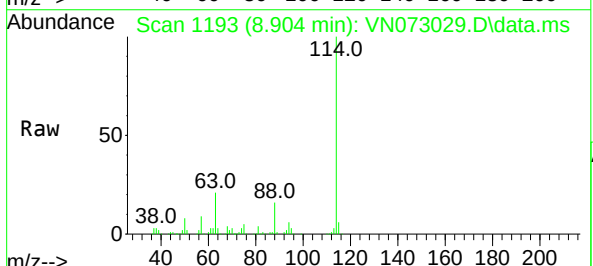
Tgt Ion: 114 Resp: 470663

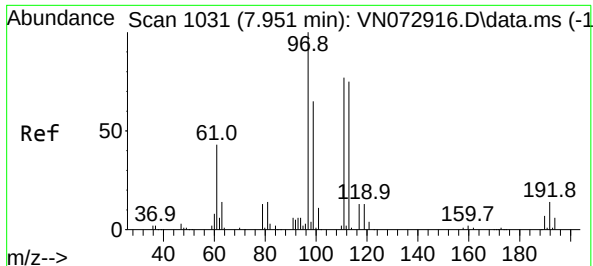
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.697 ug/l

RT: 7.957 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

PZ-10

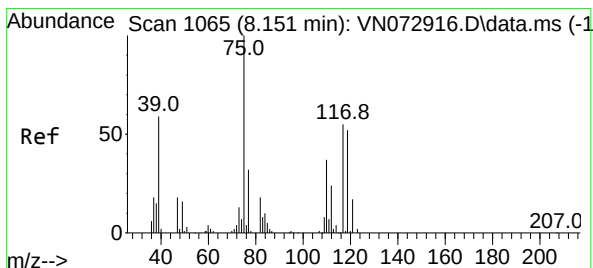
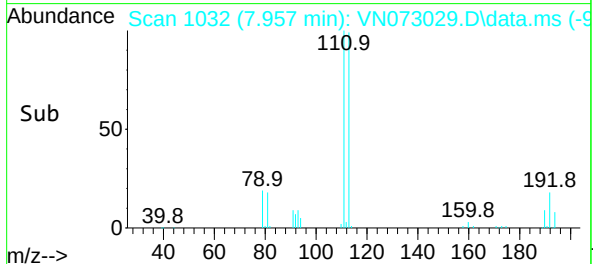
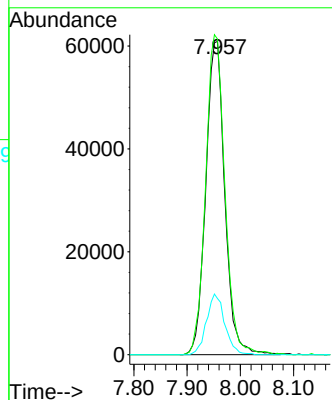
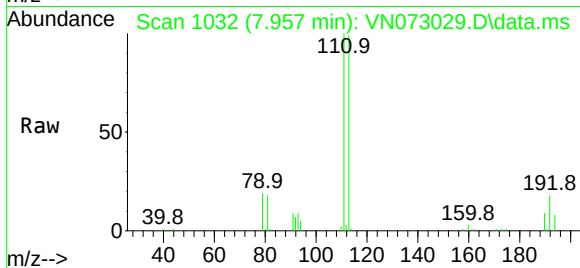
Tgt Ion:113 Resp: 150392

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 18.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.973 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

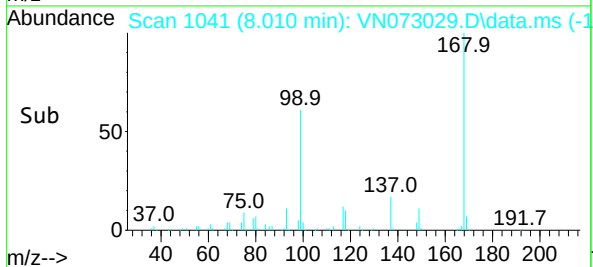
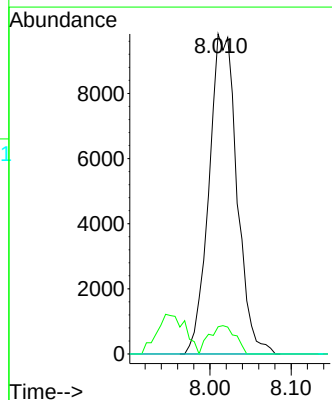
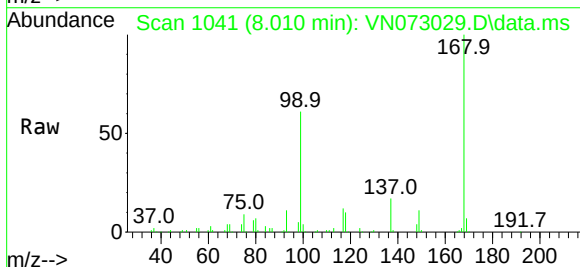
Tgt Ion: 75 Resp: 23513

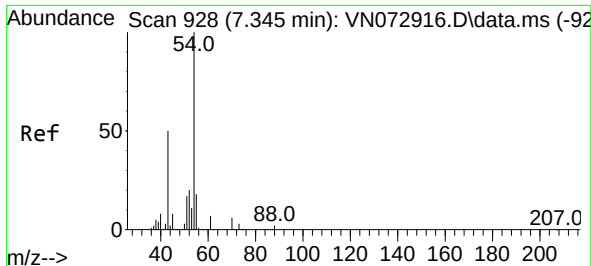
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#

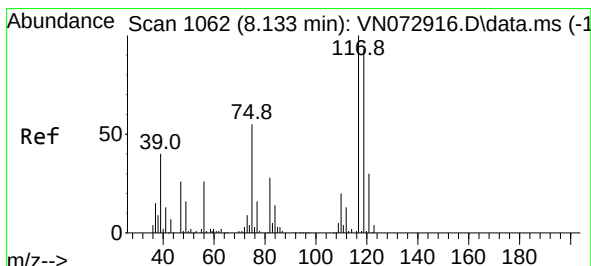
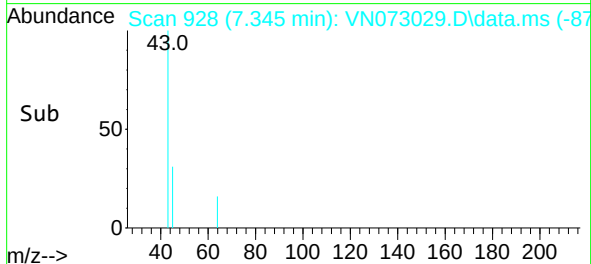
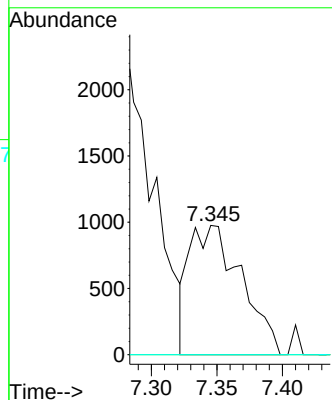
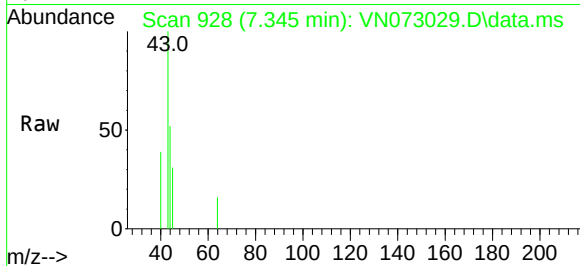




#37
Ethyl Acetate
Concen: 0.427 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

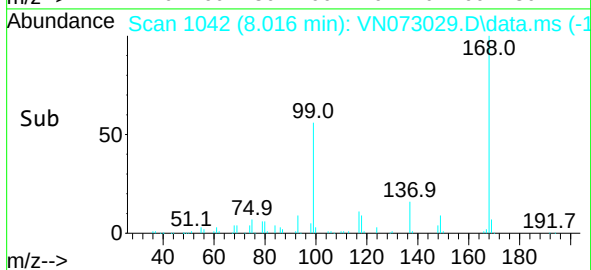
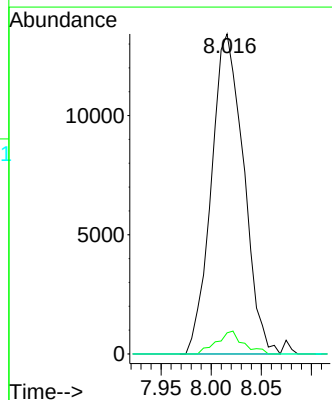
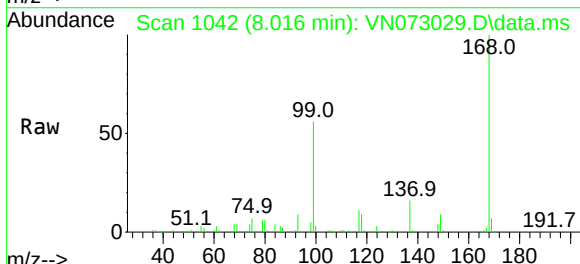
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

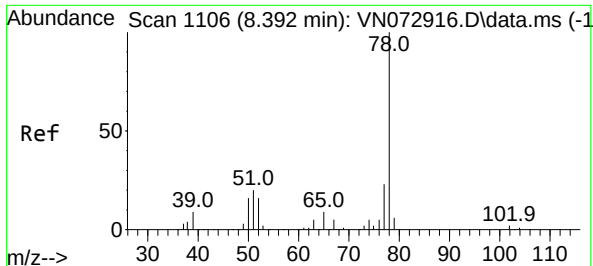
Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.250 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 117 Resp: 30018
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.8#
121 0.0 24.6 37.0#

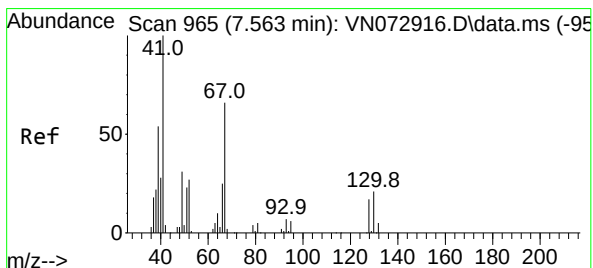
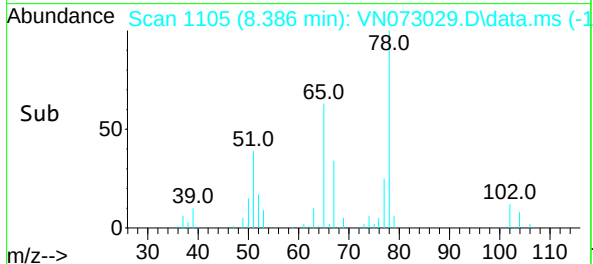
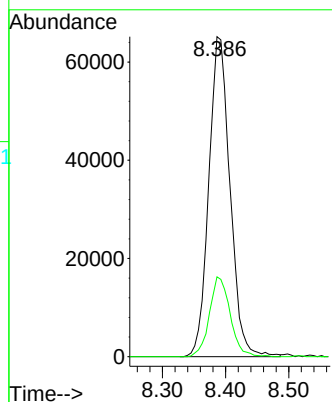
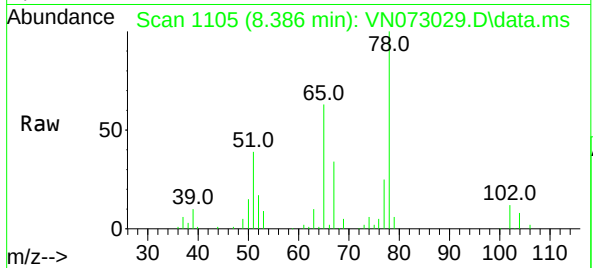




#40
Benzene
Concen: 12.288 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

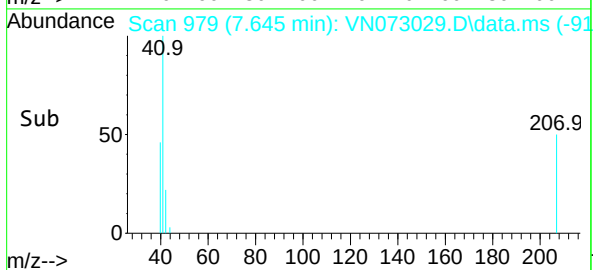
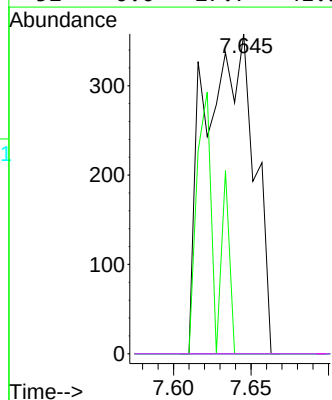
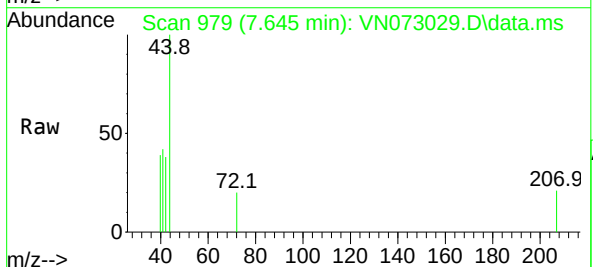
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

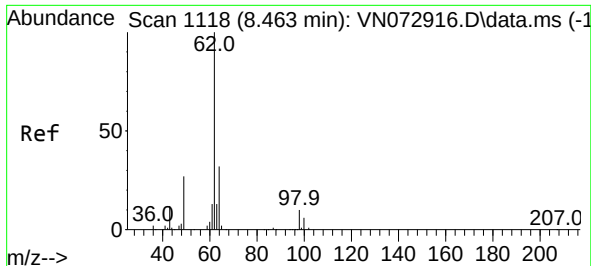
Tgt Ion: 78 Resp: 152020
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.0



#41
Methacrylonitrile
Concen: 0.264 ug/l
RT: 7.645 min Scan# 979
Delta R.T. 0.082 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 41 Resp: 788
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.366 ug/l

RT: 8.381 min Scan# 1118

Delta R.T. -0.082 min

Lab File: VN073029.D

Acq: 22 Jun 2022 16:54

Instrument :

MSVOA_N

ClientSampleId :

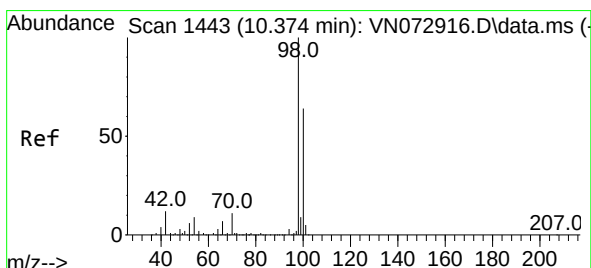
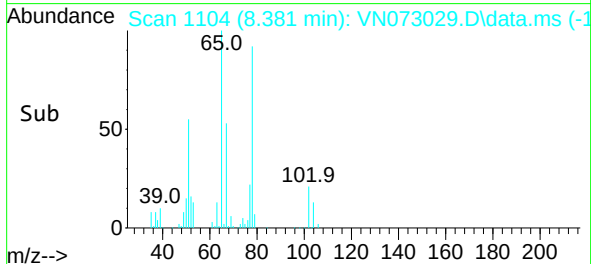
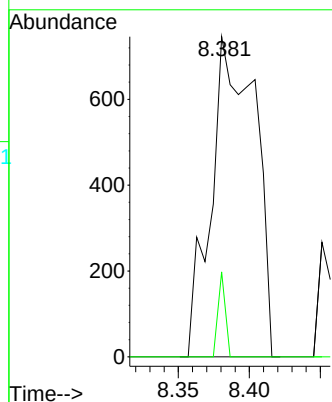
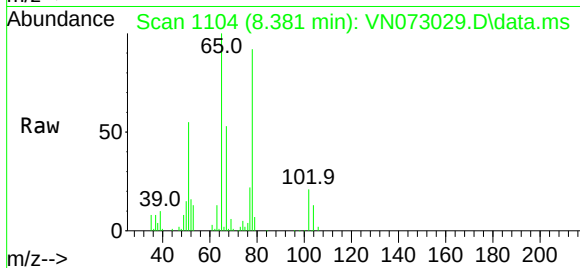
PZ-10

Tgt Ion: 62 Resp: 1606

Ion Ratio Lower Upper

62 100

98 4.4 0.0 19.4



#50

Toluene-d8

Concen: 44.915 ug/l

RT: 10.374 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073029.D

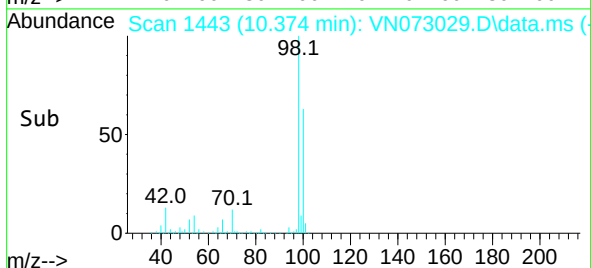
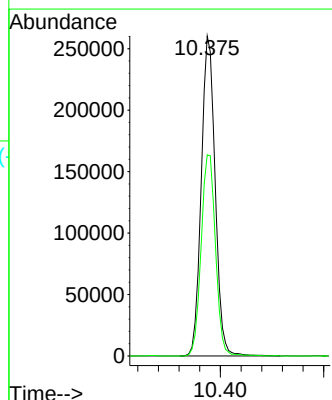
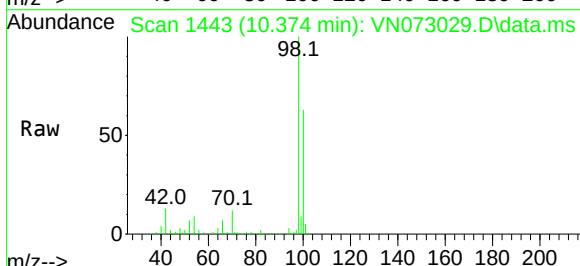
Acq: 22 Jun 2022 16:54

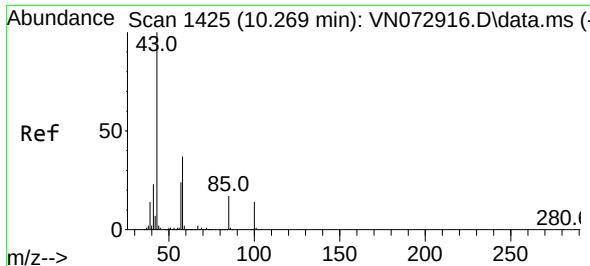
Tgt Ion: 98 Resp: 486201

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

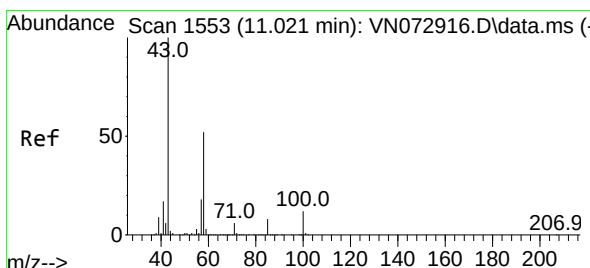
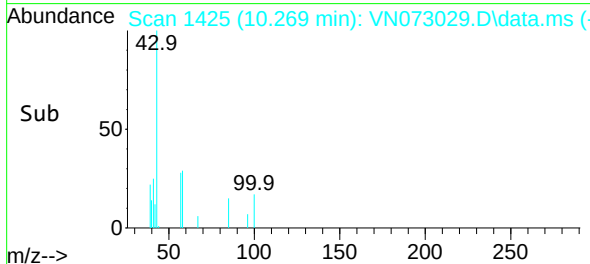
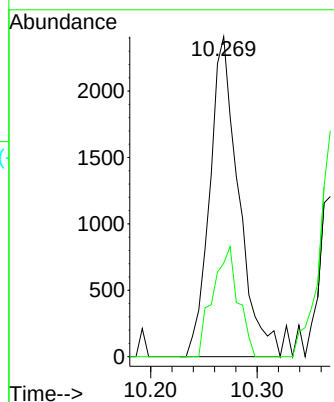
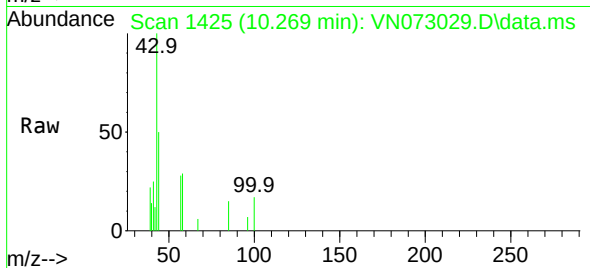




#51
4-Methyl-2-Pentanone
Concen: 0.772 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

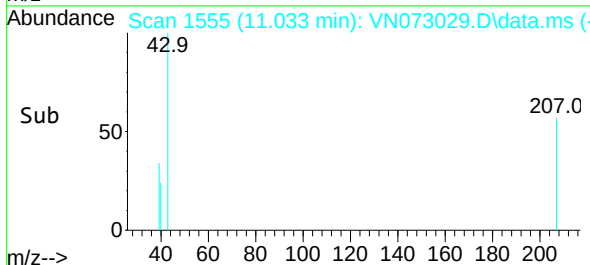
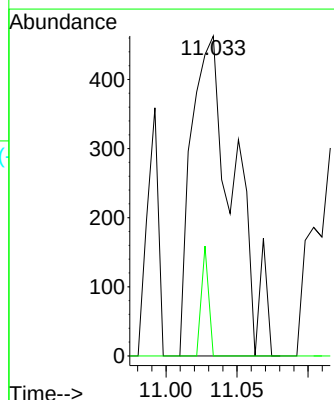
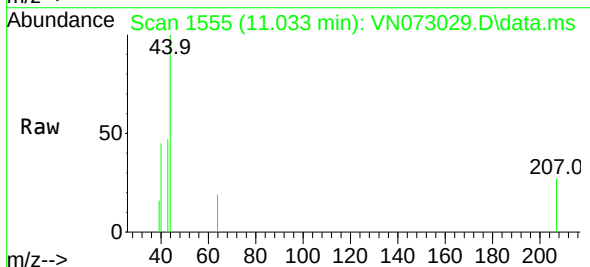
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

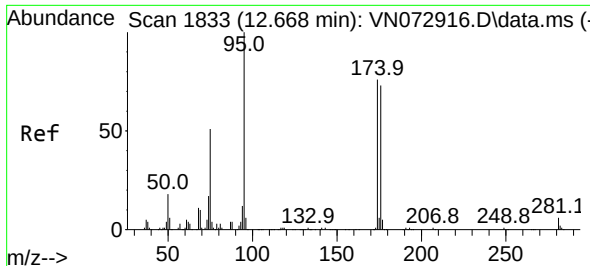
Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 30.2 34.1 51.1#



#59
2-Hexanone
Concen: 0.215 ug/l
RT: 11.033 min Scan# 1553
Delta R.T. 0.012 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 5.7 29.7 89.1#

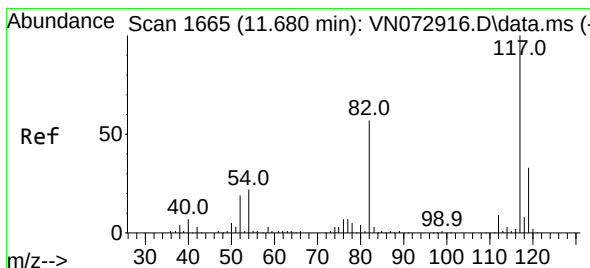
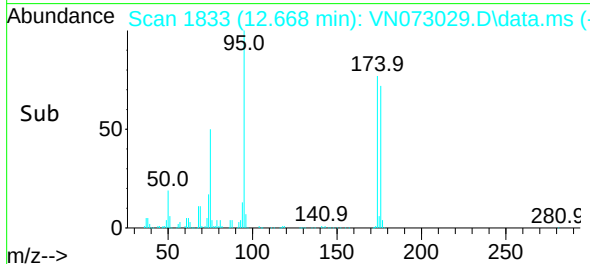
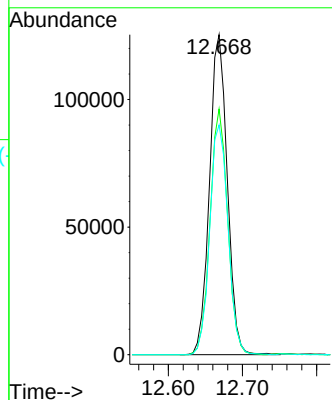
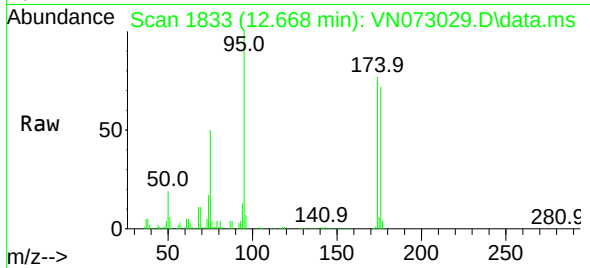




#62
4-Bromofluorobenzene
Concen: 53.785 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

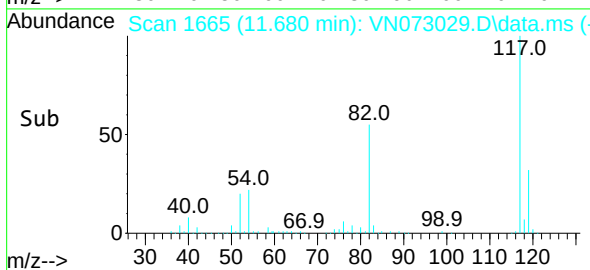
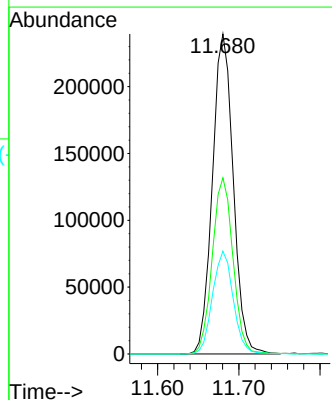
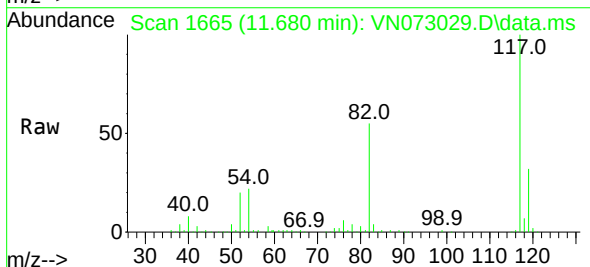
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

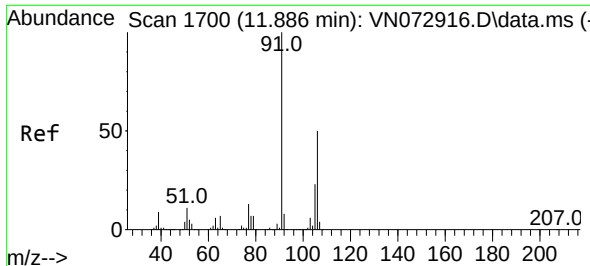
Tgt Ion: 95 Resp: 209356
Ion Ratio Lower Upper
95 100
174 75.8 0.0 167.6
176 73.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 117 Resp: 427703
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.1 25.4 38.0

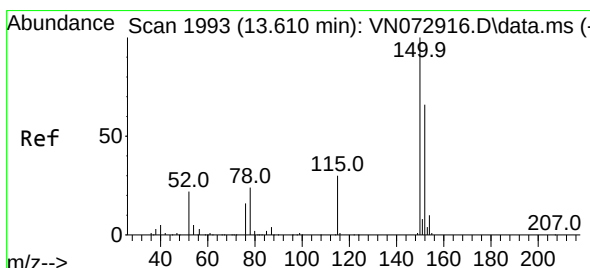
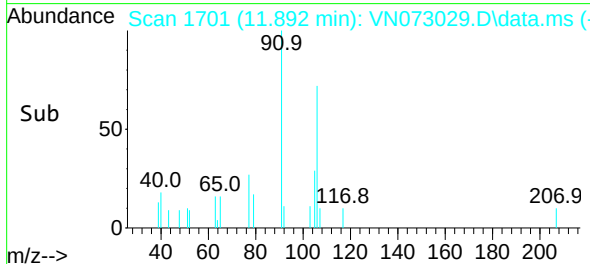
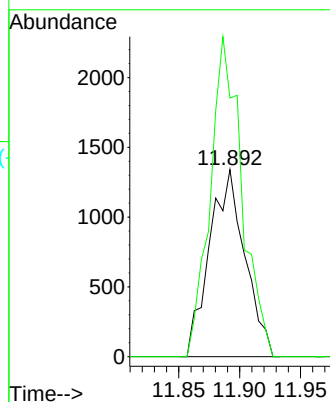
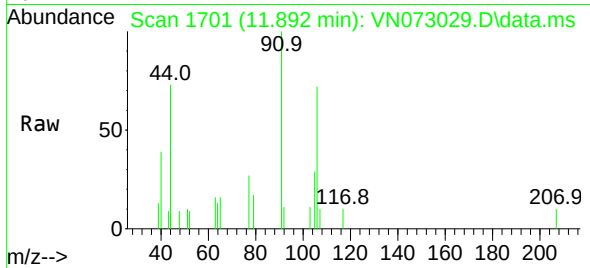




#68
m/p-Xylenes
Concen: 0.470 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

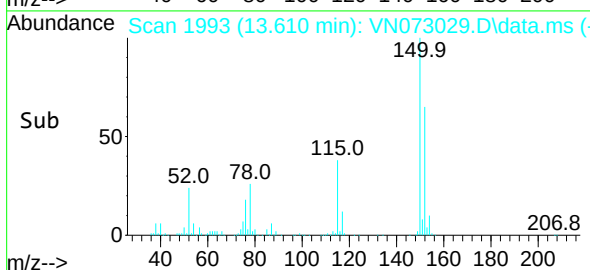
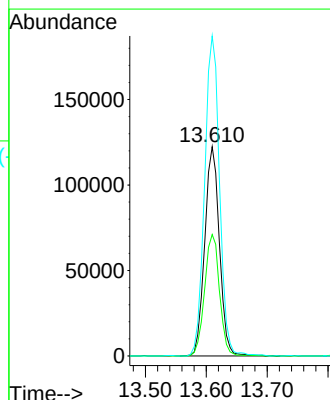
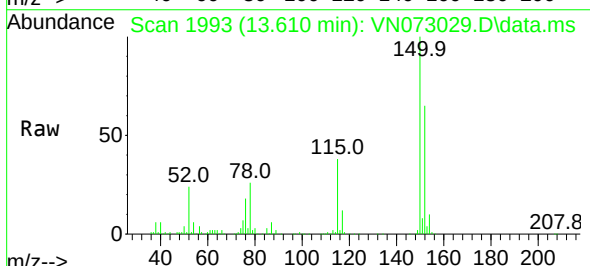
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

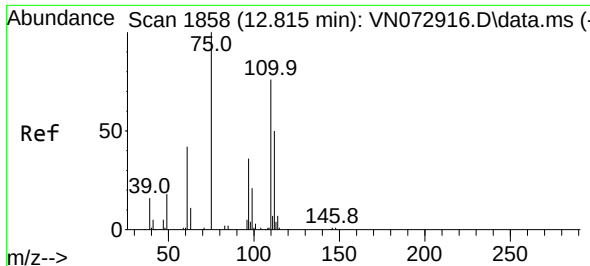
Tgt Ion:106 Resp: 2708
Ion Ratio Lower Upper
106 100
91 153.1 158.9 238.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion:152 Resp: 205177
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.7
150 155.1 0.0 356.2

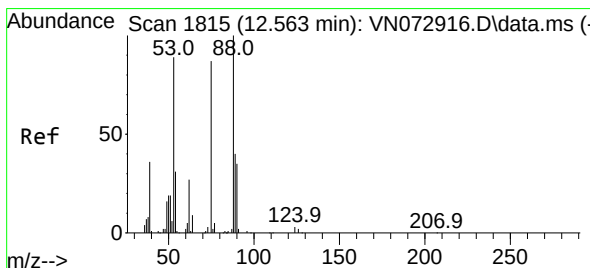
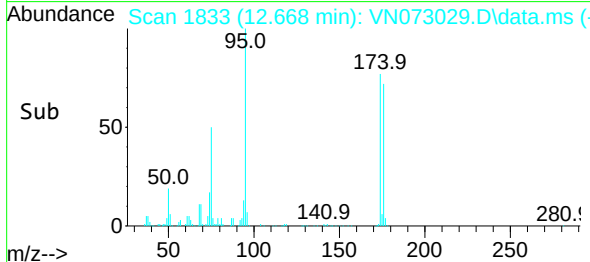
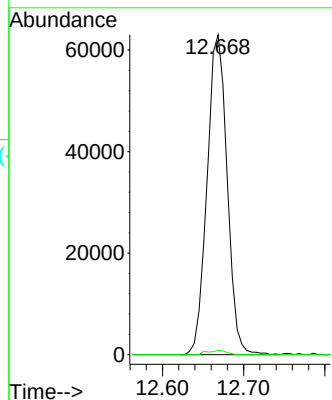
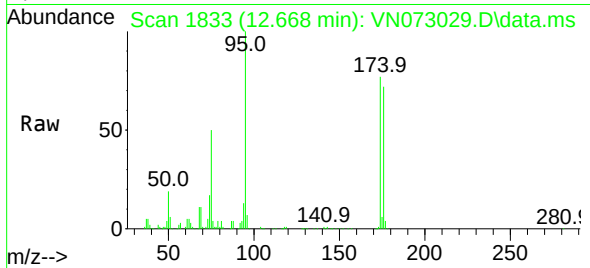




#76
1,2,3-Trichloropropane
Concen: 21.730 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

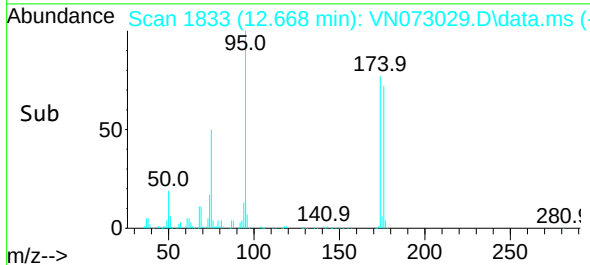
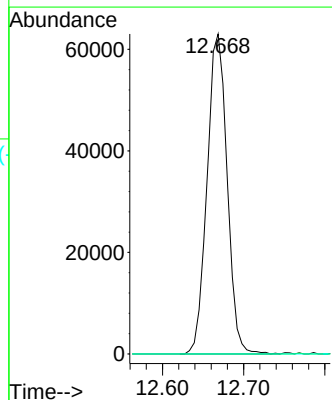
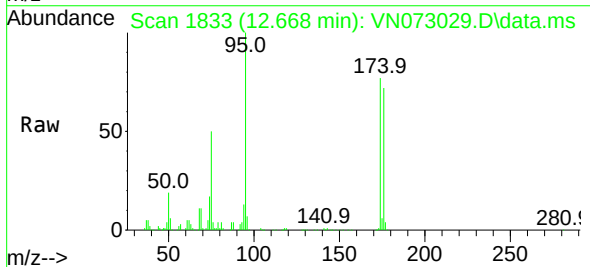
Instrument :
MSVOA_N
ClientSampleId :
PZ-10

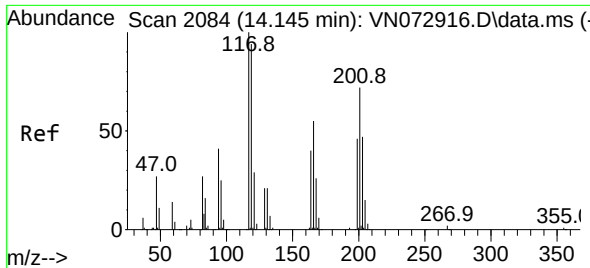
Tgt Ion: 75 Resp: 108095
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.684 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion: 75 Resp: 108095
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

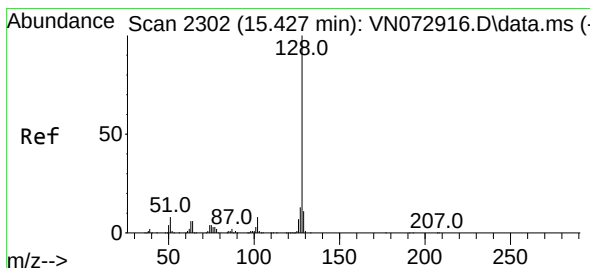
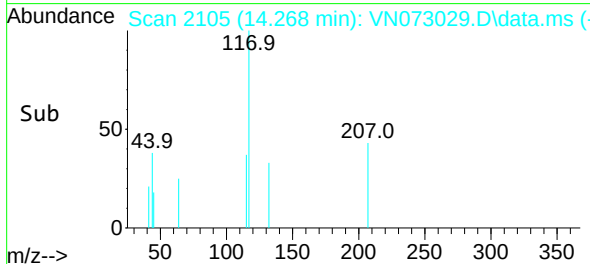
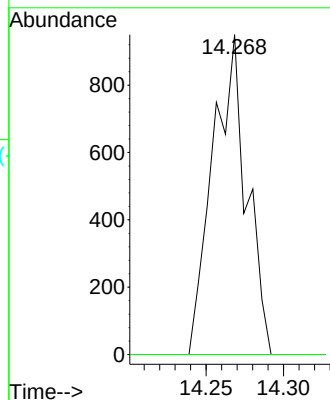
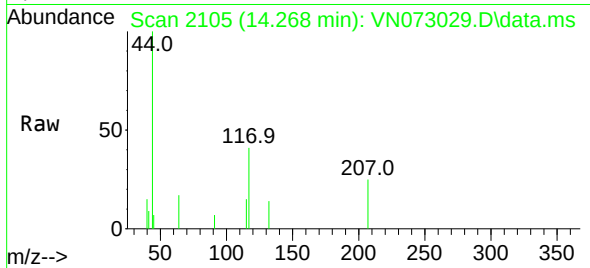




#90
Hexachloroethane
Concen: 0.591 ug/l
RT: 14.268 min Scan# 2105
Delta R.T. 0.124 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Instrument :
MSVOA_N
ClientSampleId :
PZ-10

Tgt Ion:117 Resp: 1438
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.852 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073029.D
Acq: 22 Jun 2022 16:54

Tgt Ion:128 Resp: 13512
Ion Ratio Lower Upper
128 100
127 5.6 10.3 15.5#
129 10.8 8.6 13.0

