

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073718.D
 Acq On : 03 Aug 2022 17:52
 Operator : JC\MD
 Sample : N3972-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-15

Quant Time: Aug 04 05:36:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

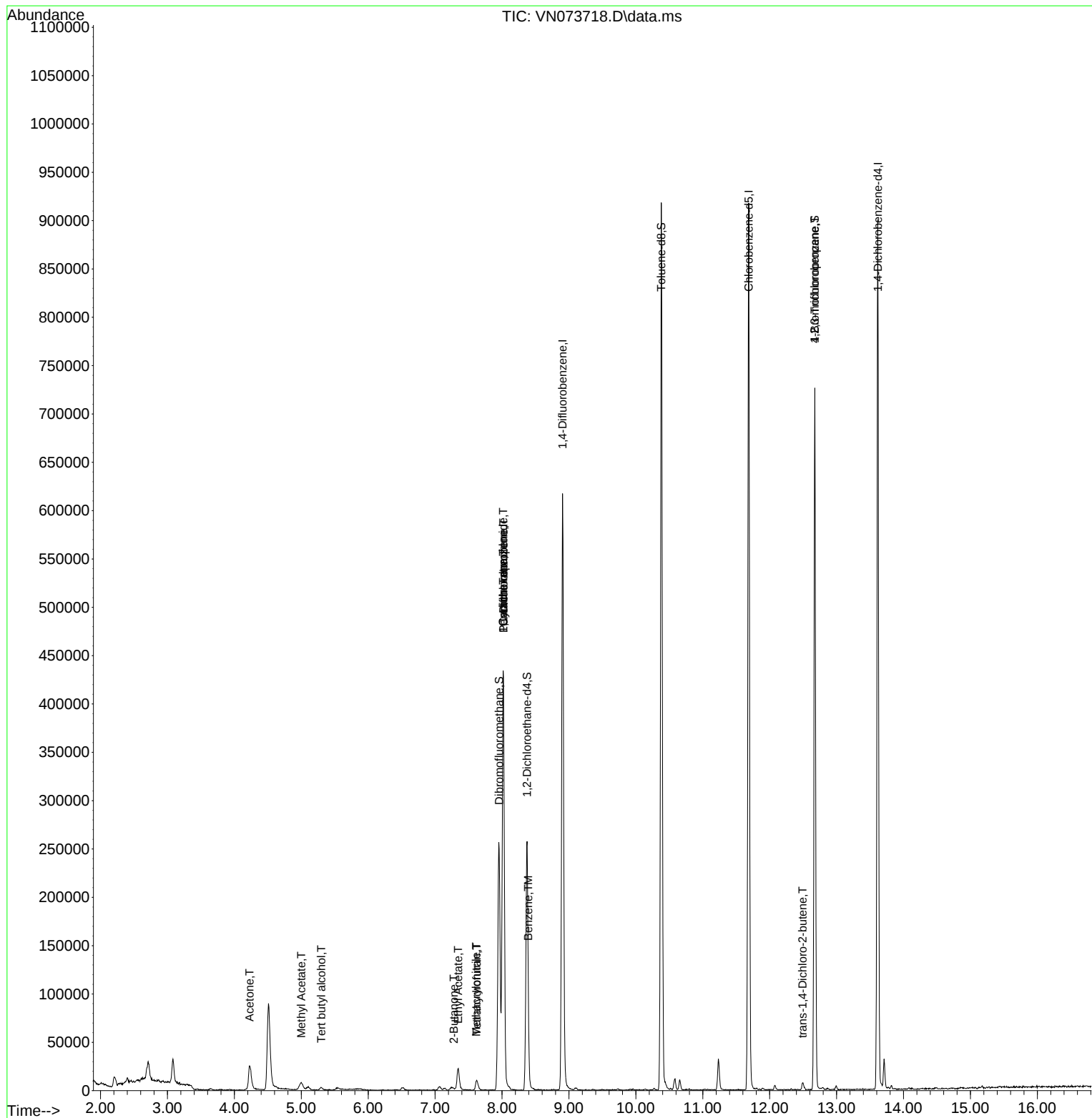
Internal Standards						
1) Pentafluorobenzene	8.022	168	345381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	554291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	535329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	248733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	209812	49.848	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.700%	
35) Dibromofluoromethane	7.957	113	190044	54.601	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	109.200%	
50) Toluene-d8	10.381	98	633418	46.246	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.500%	
62) 4-Bromofluorobenzene	12.674	95	231520	50.497	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	101.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1276	Below Cal	#	83
6) Chloroethane	3.063	64	1252	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	3978	4.382	ug/l #	90
16) Acetone	4.228	43	50207	22.209	ug/l	96
18) Methyl Acetate	4.998	43	8228	1.463	ug/l #	48
20) Methylene Chloride	5.022	84	1536	Below Cal	#	81
25) 2-Butanone	7.281	43	2464	0.702	ug/l #	78
29) Tetrahydrofuran	7.622	42	8041	3.623	ug/l	94
31) Cyclohexane	8.016	56	8413	1.343	ug/l #	13
36) 1,1-Dichloropropene	8.022	75	25273	5.095	ug/l #	48
37) Ethyl Acetate	7.345	43	34534	5.286	ug/l	99
38) Carbon Tetrachloride	8.016	117	32005	6.352	ug/l #	17
40) Benzene	8.392	78	5554	0.345	ug/l	93
41) Methacrylonitrile	7.616	41	4732	1.601	ug/l #	41
76) 1,2,3-Trichloropropane	12.674	75	119419	24.568	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.492	75	4465	2.326	ug/l #	10

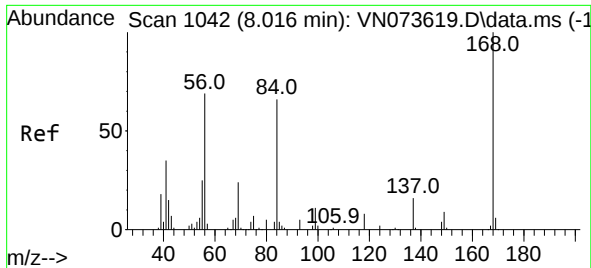
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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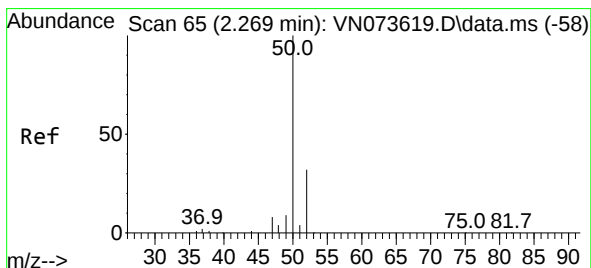
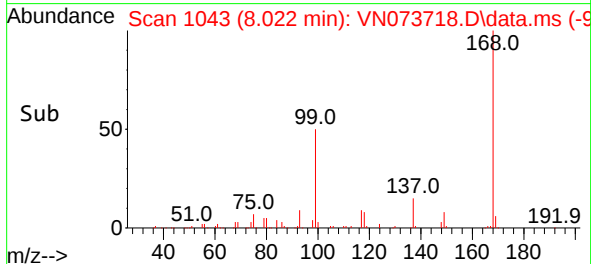
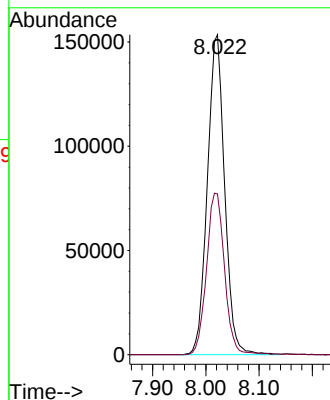
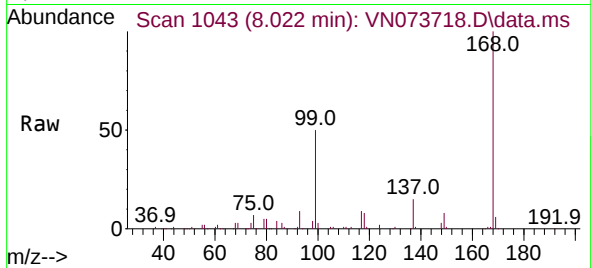




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

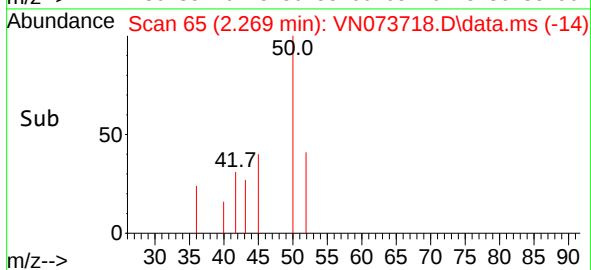
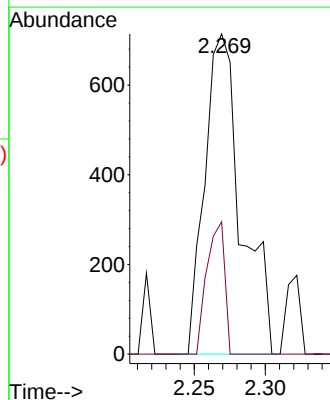
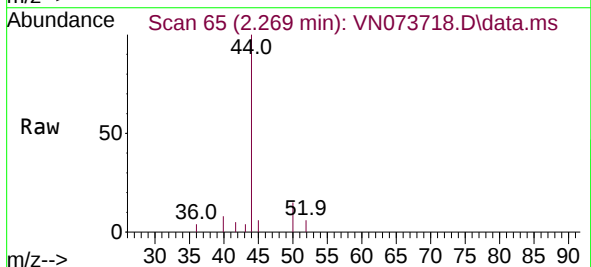
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

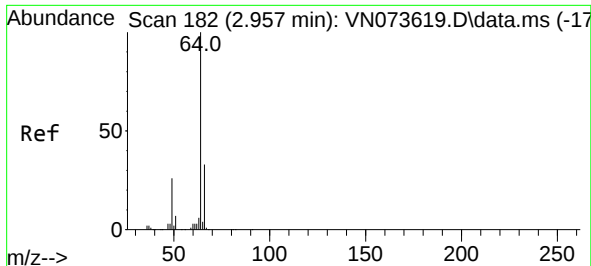
Tgt Ion:168 Resp: 345381
Ion Ratio Lower Upper
168 100
99 50.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 50 Resp: 1276
Ion Ratio Lower Upper
50 100
52 41.3 25.7 38.5#

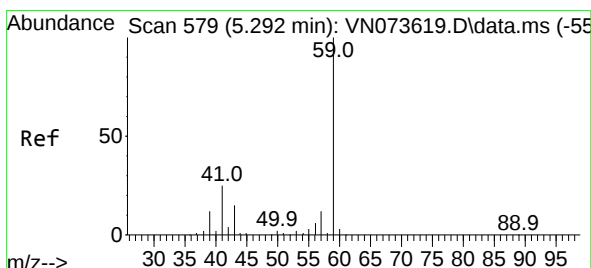
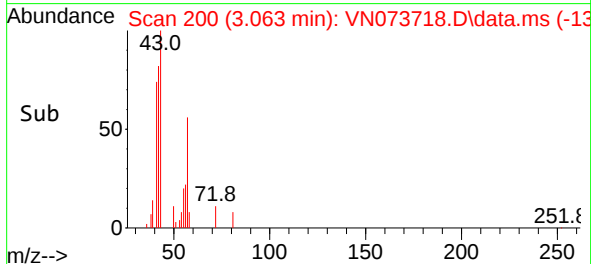
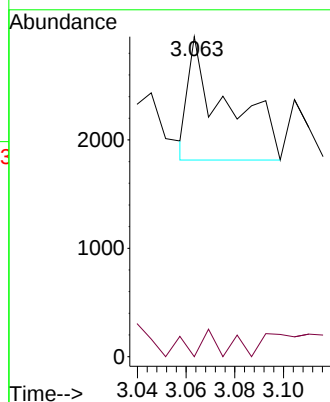
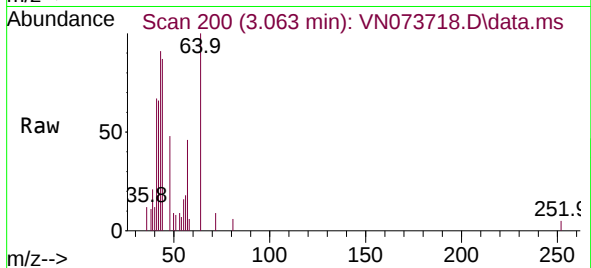




#6
Chloroethane
Concen: Below Cal
RT: 3.063 min Scan# 200
Delta R.T. 0.106 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

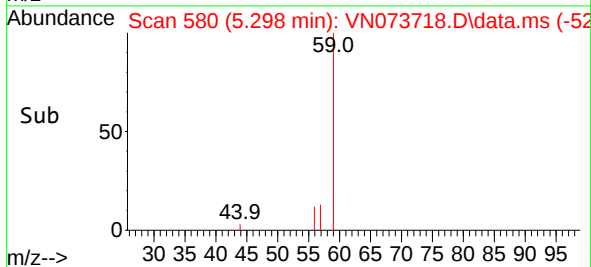
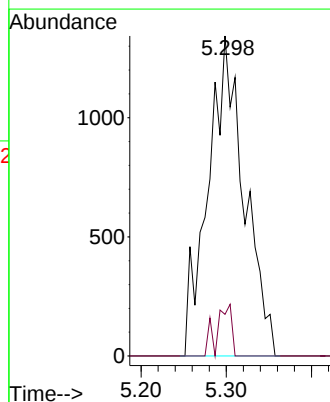
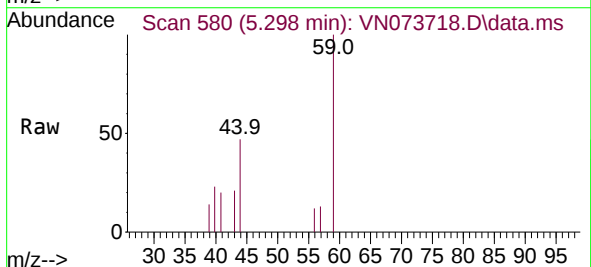
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

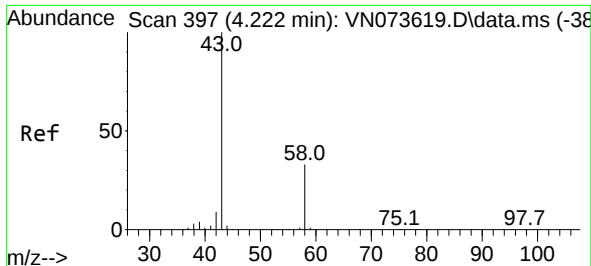
Tgt Ion: 64 Resp: 1252
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.382 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 59 Resp: 3978
Ion Ratio Lower Upper
59 100
57 6.6 8.3 12.5#

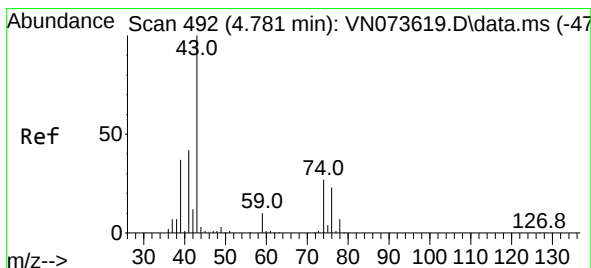
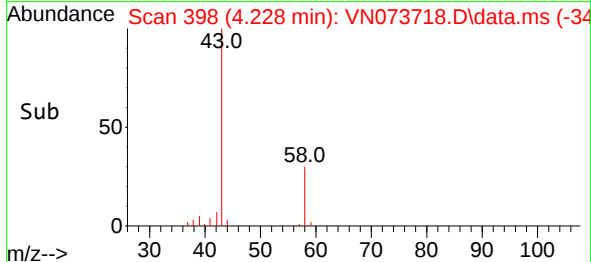
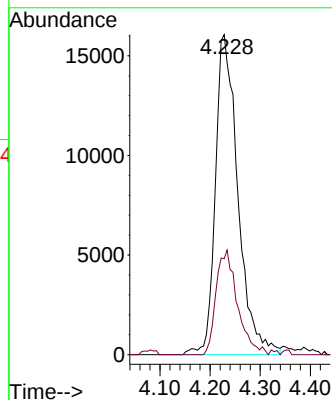
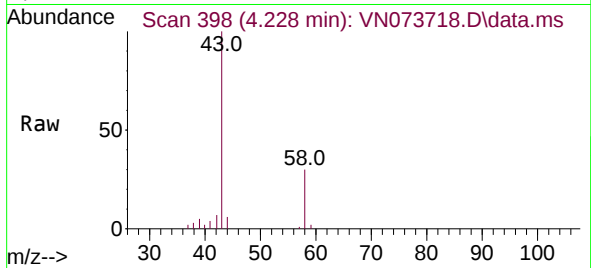




#16
Acetone
Concen: 22.209 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

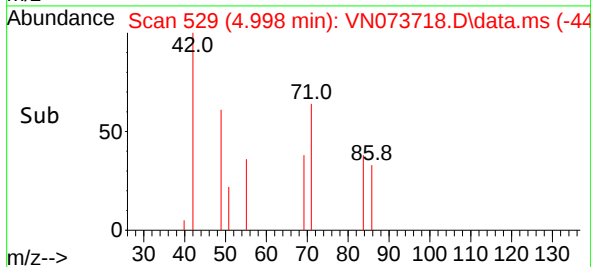
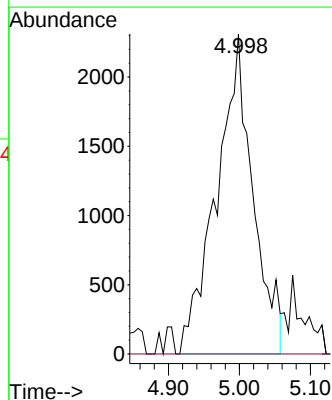
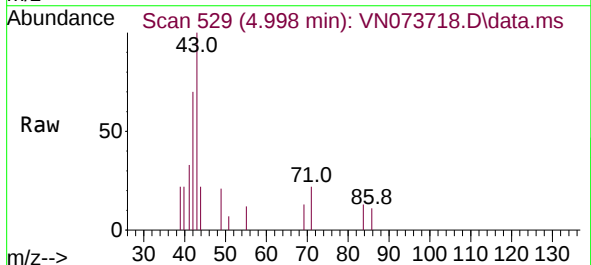
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

Tgt Ion: 43 Resp: 50207
Ion Ratio Lower Upper
43 100
58 30.0 26.0 39.0



#18
Methyl Acetate
Concen: 1.463 ug/l
RT: 4.998 min Scan# 529
Delta R.T. 0.218 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 43 Resp: 8228
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

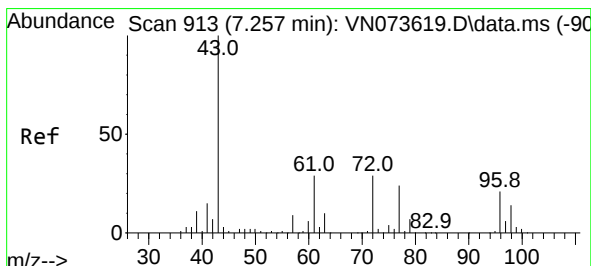
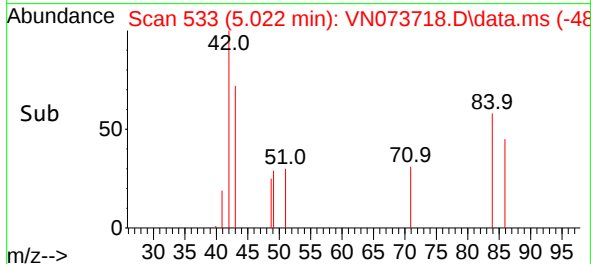
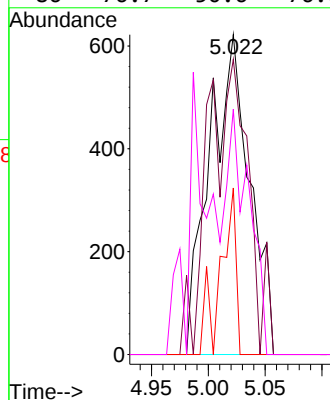
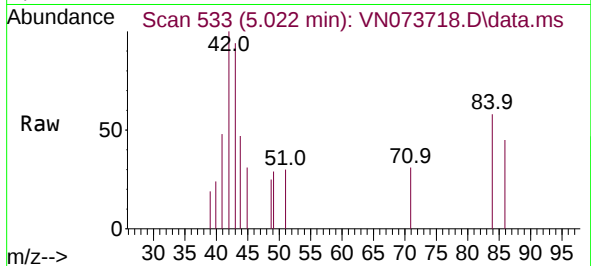




#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

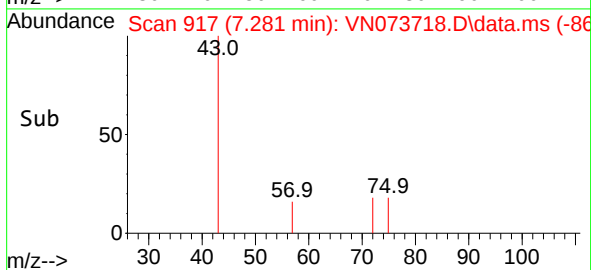
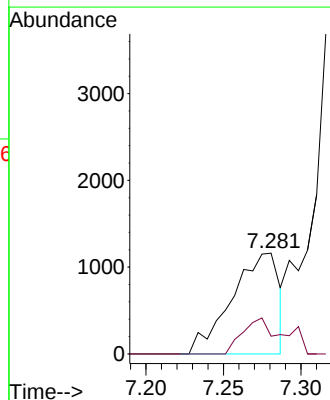
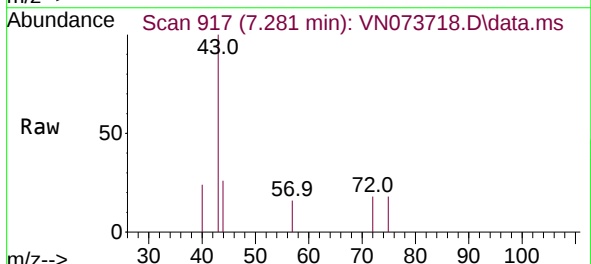
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

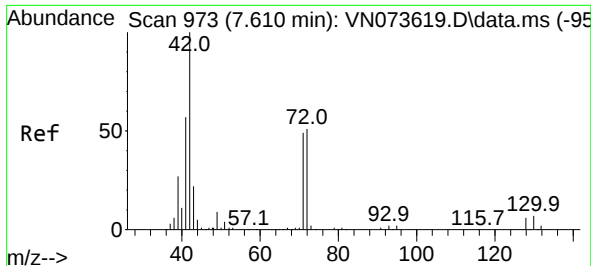
Tgt Ion: 84 Resp: 1536
Ion Ratio Lower Upper
84 100
49 92.3 88.3 132.5
51 52.1 28.2 42.2#
86 76.7 50.6 76.0#



#25
2-Butanone
Concen: 0.702 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 43 Resp: 2464
Ion Ratio Lower Upper
43 100
72 17.6 23.7 35.5#





#29

Tetrahydrofuran

Concen: 3.623 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

SPN-15

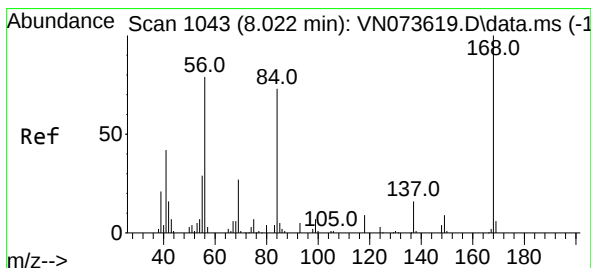
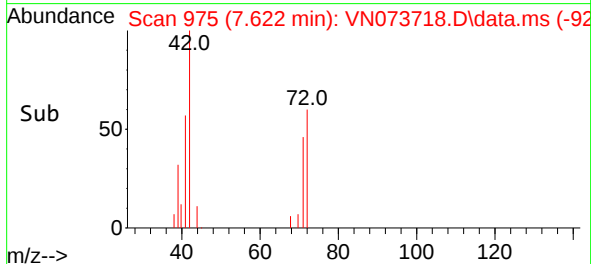
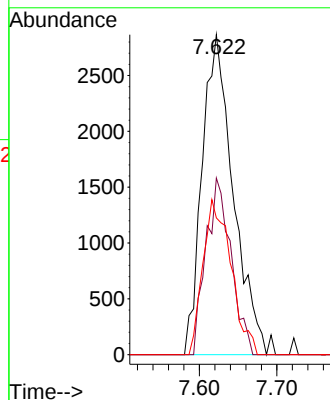
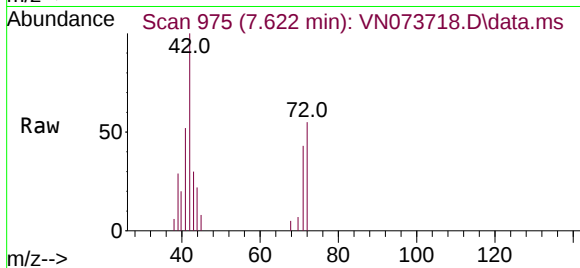
Tgt Ion: 42 Resp: 8041

Ion Ratio Lower Upper

42 100

72 44.1 39.7 59.5

71 43.4 36.6 55.0



#31

Cyclohexane

Concen: 1.343 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

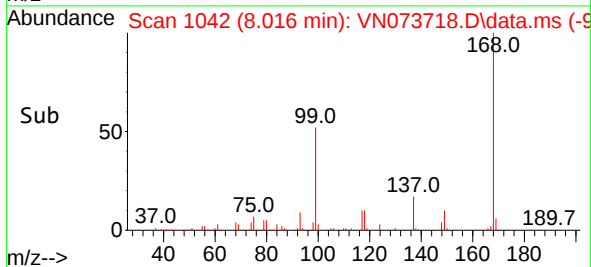
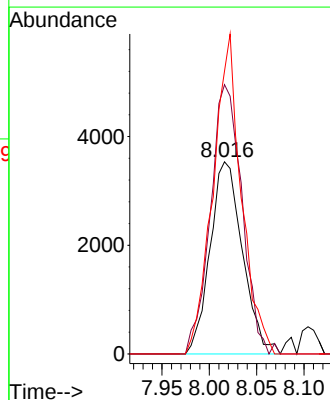
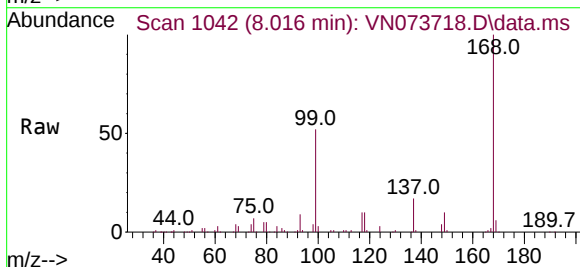
Tgt Ion: 56 Resp: 8413

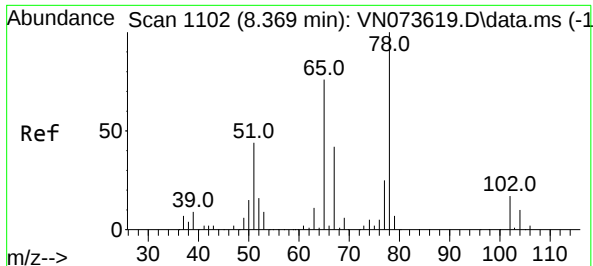
Ion Ratio Lower Upper

56 100

69 140.1 27.8 41.8#

84 147.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.848 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

Instrument :

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ClientSampleId :

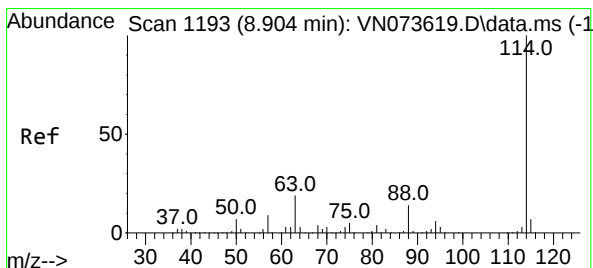
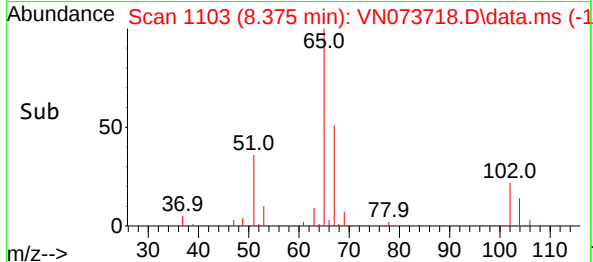
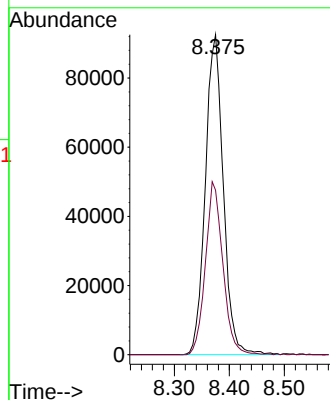
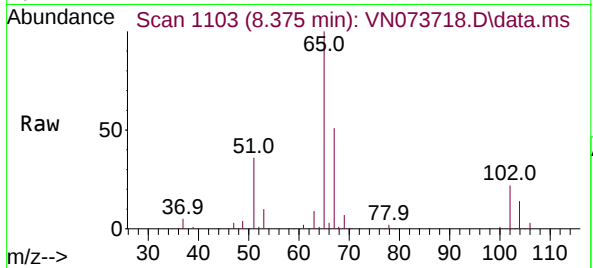
SPN-15

Tgt Ion: 65 Resp: 209812

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

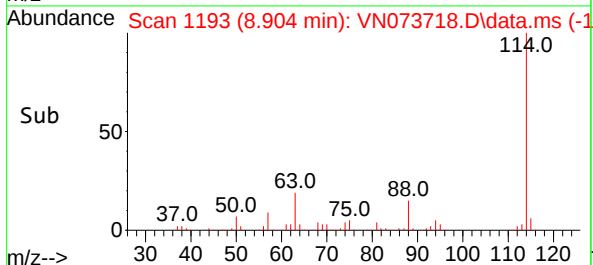
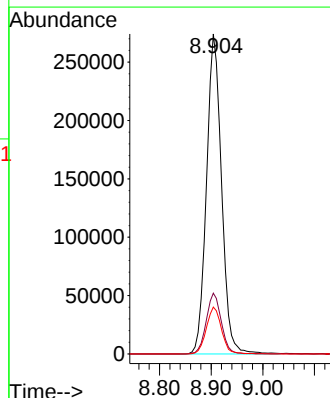
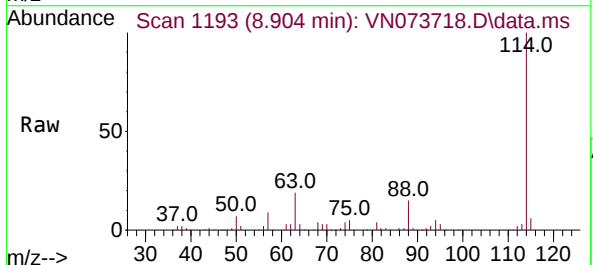
Tgt Ion: 114 Resp: 554291

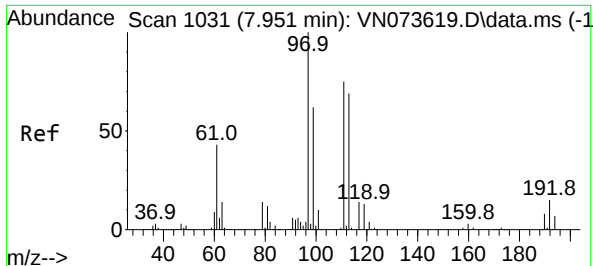
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.601 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

SPN-15

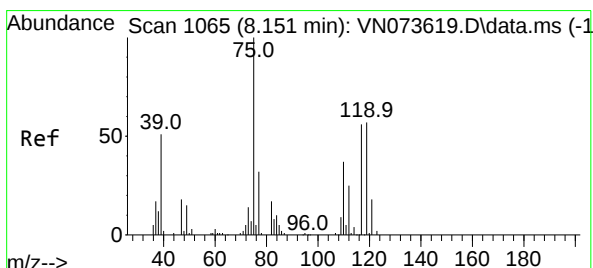
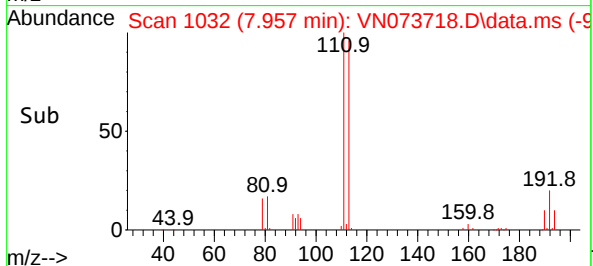
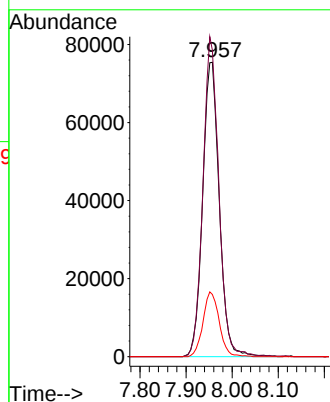
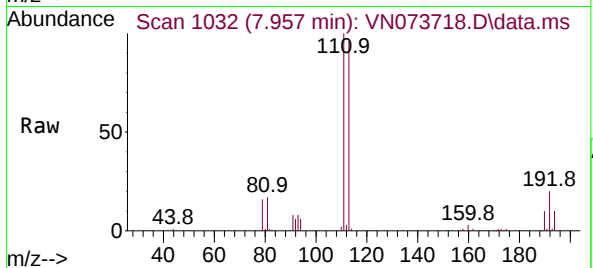
Tgt Ion:113 Resp: 190044

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 21.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.095 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

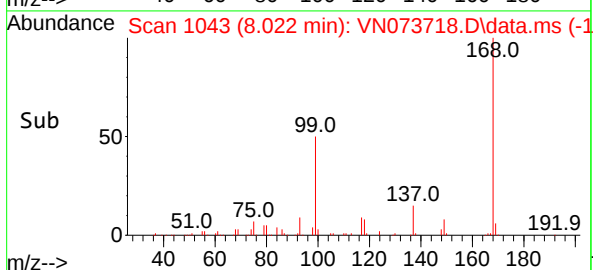
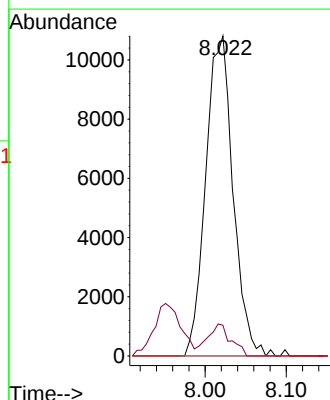
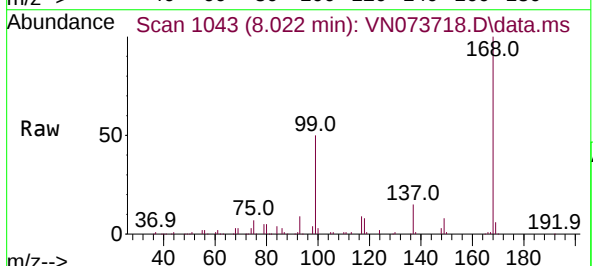
Tgt Ion: 75 Resp: 25273

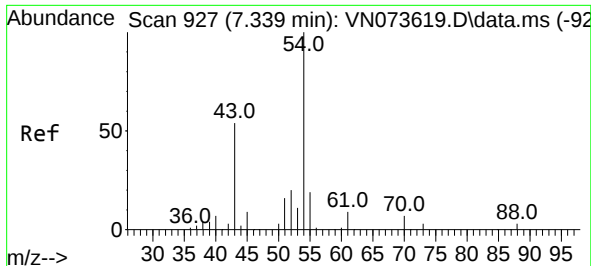
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 5.286 ug/l

RT: 7.345 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

SPN-15

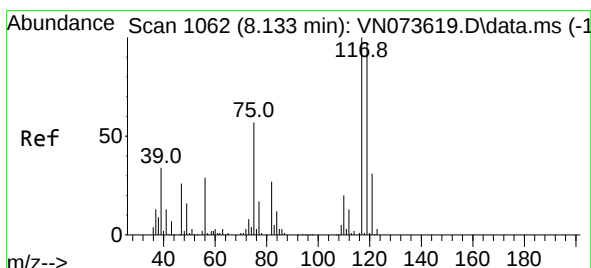
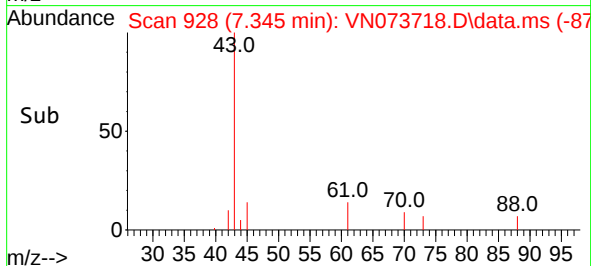
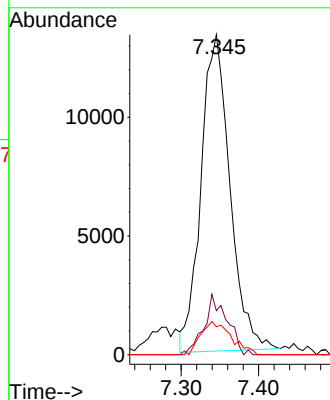
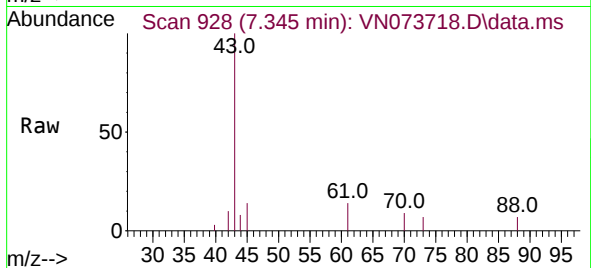
Tgt Ion: 43 Resp: 34534

Ion Ratio Lower Upper

43 100

61 15.2 11.8 17.6

70 11.1 9.3 13.9



#38

Carbon Tetrachloride

Concen: 6.352 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073718.D

Acq: 03 Aug 2022 17:52

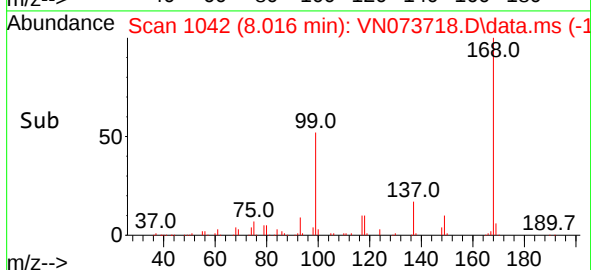
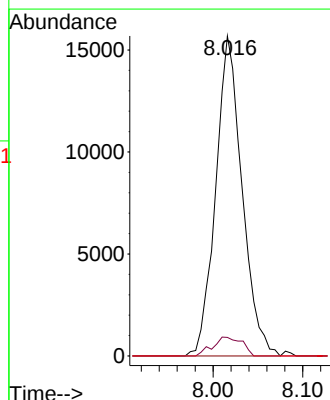
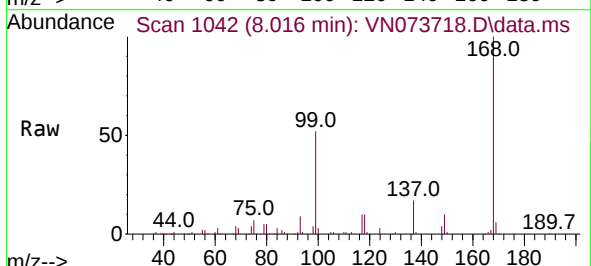
Tgt Ion: 117 Resp: 32005

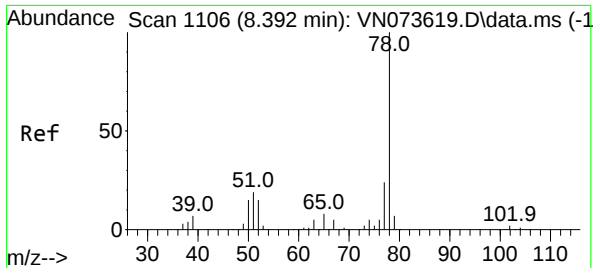
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.8#

121 0.0 24.6 37.0#

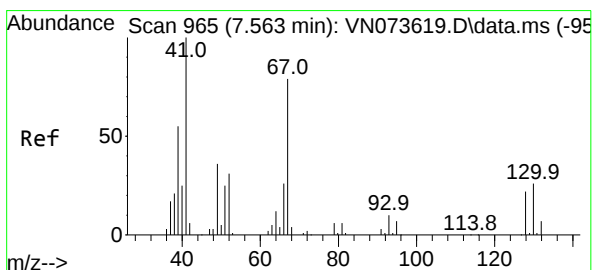
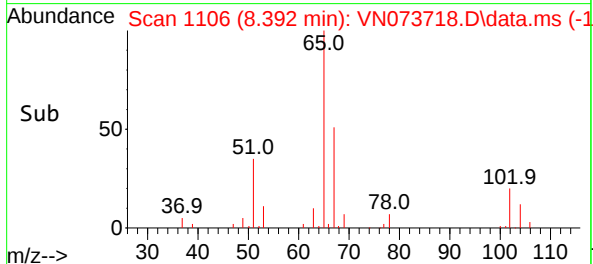
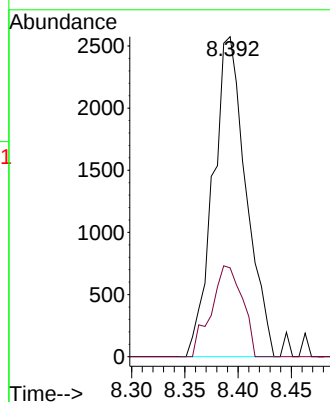
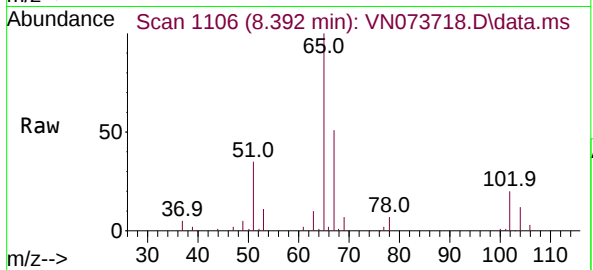




#40
Benzene
Concen: 0.345 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

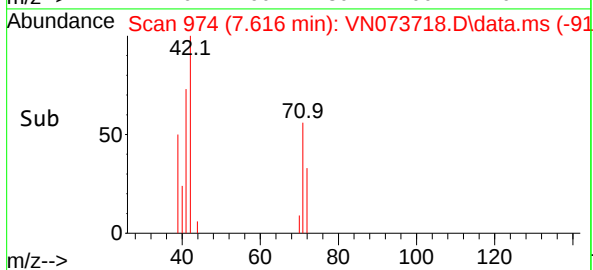
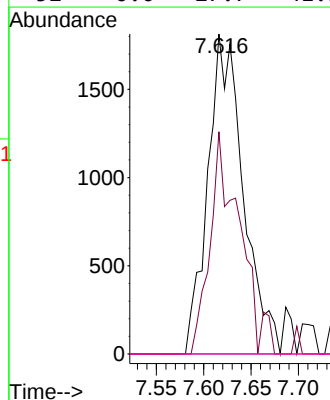
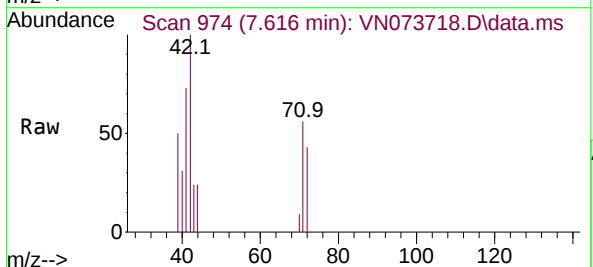
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

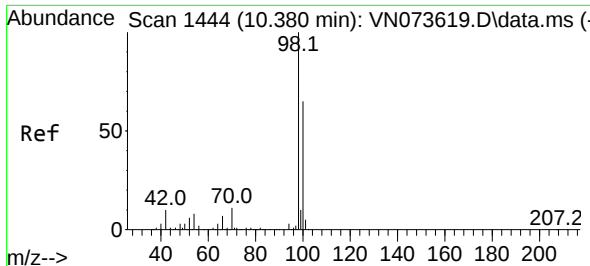
Tgt Ion: 78 Resp: 5554
Ion Ratio Lower Upper
78 100
77 27.8 19.4 29.0



#41
Methacrylonitrile
Concen: 1.601 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.053 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 41 Resp: 4732
Ion Ratio Lower Upper
41 100
39 58.4 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

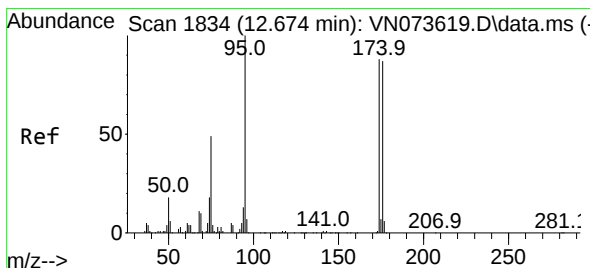
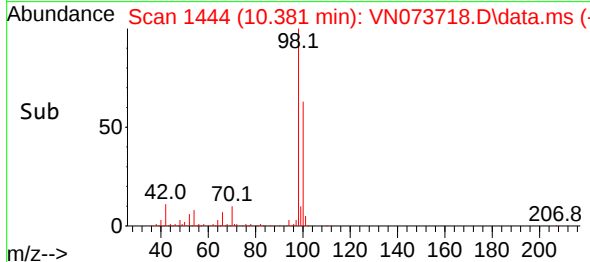
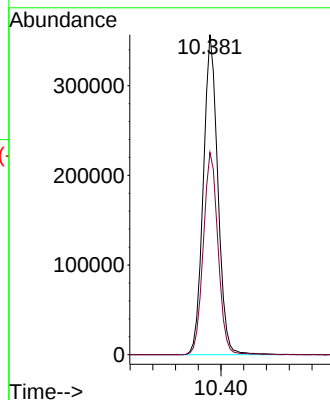
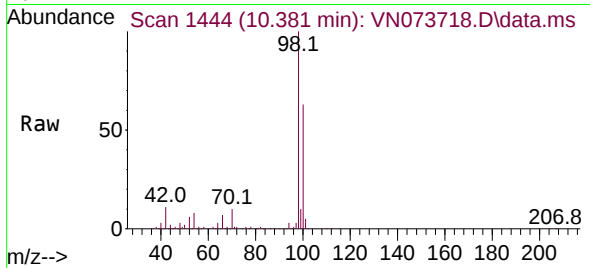




#50
Toluene-d8
Concen: 46.246 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

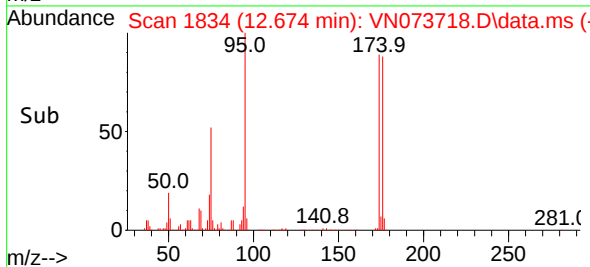
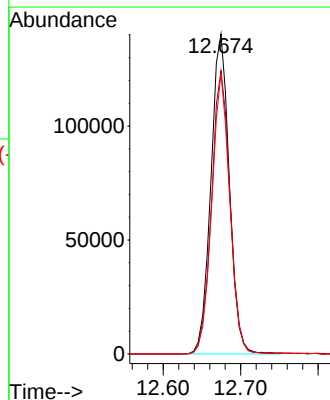
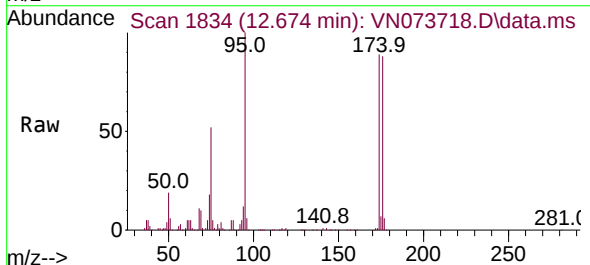
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

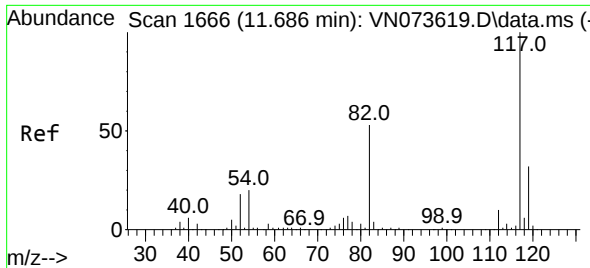
Tgt Ion: 98 Resp: 633418
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.497 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 95 Resp: 231520
Ion Ratio Lower Upper
95 100
174 89.3 0.0 167.6
176 85.8 0.0 163.4

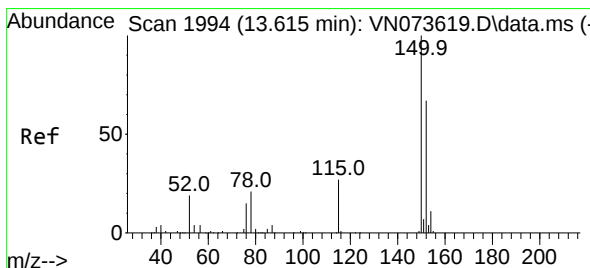
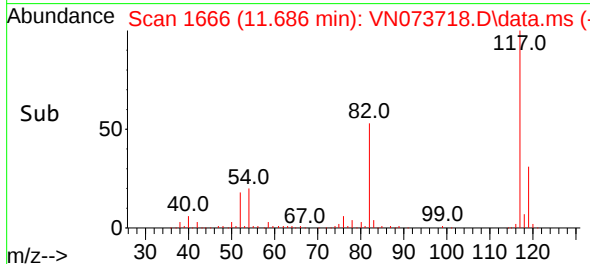
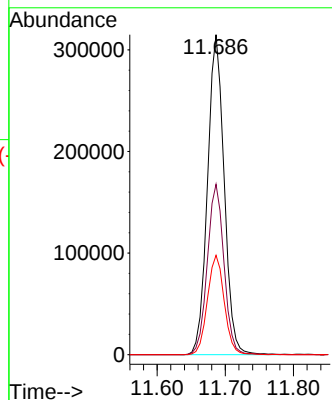
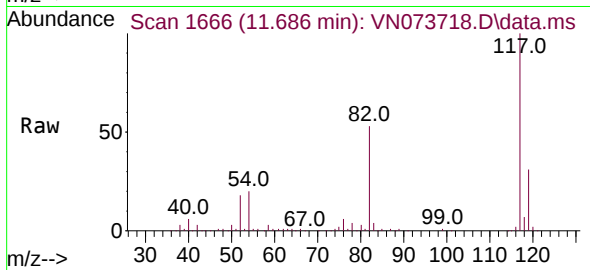




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

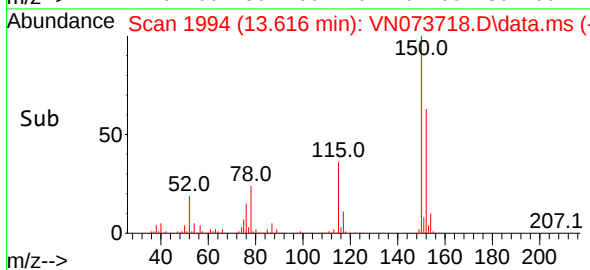
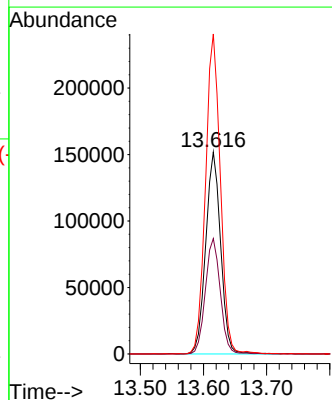
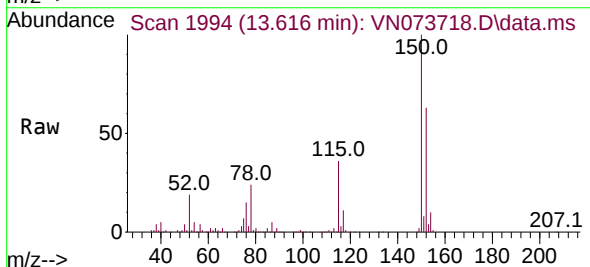
Instrument :
MSVOA_N
ClientSampleId :
SPN-15

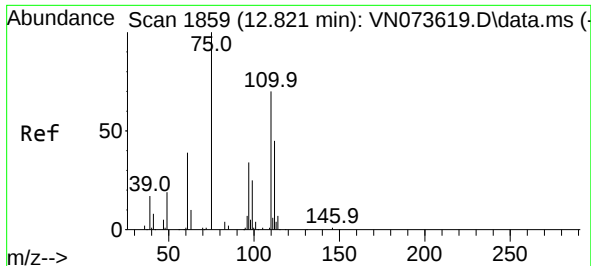
Tgt Ion:117 Resp: 535329
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion:152 Resp: 248733
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.2 0.0 356.2

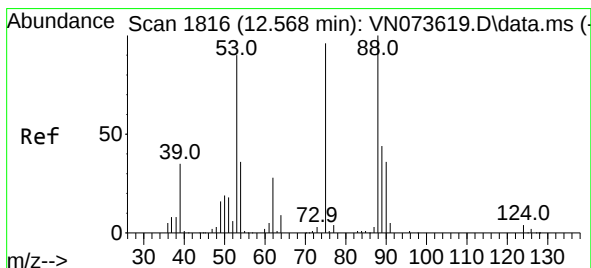
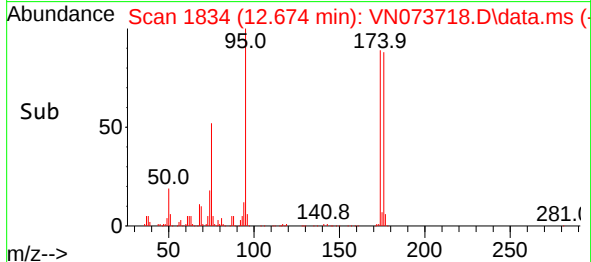
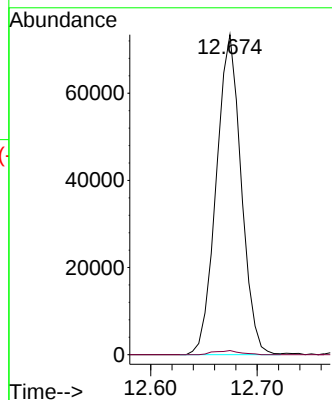
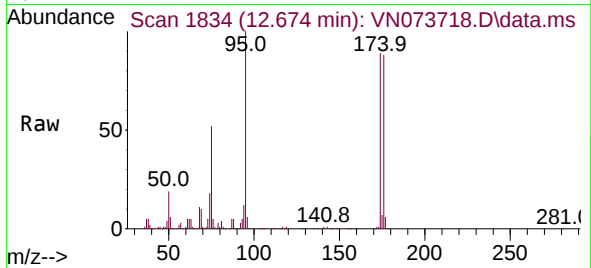




#76
1,2,3-Trichloropropane
Concen: 24.568 ug/l
RT: 12.674 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
SPN-15

Tgt Ion: 75 Resp: 119419
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 2.326 ug/l
RT: 12.492 min Scan# 1803
Delta R.T. -0.076 min
Lab File: VN073718.D
Acq: 03 Aug 2022 17:52

Tgt Ion: 75 Resp: 4465
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

