

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073160.D
 Acq On : 27 Jun 2022 14:25
 Operator : JC\MD
 Sample : N3494-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-5

Quant Time: Jun 28 06:37:25 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)

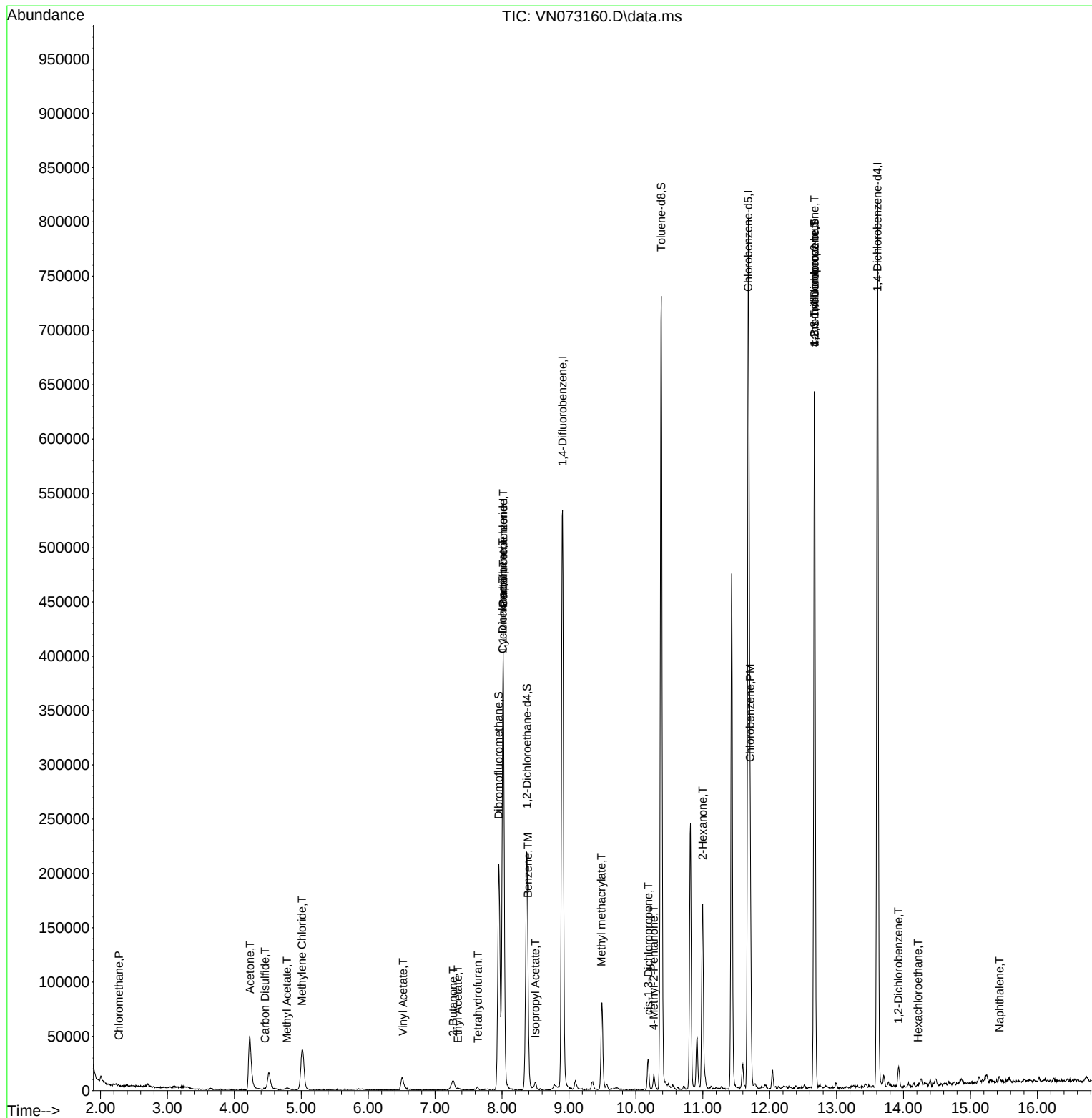
Internal Standards						
1) Pentafluorobenzene	8.016	168	301195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	485699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.681	117	443402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	217412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	180869	44.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.840%
35) Dibromofluoromethane	7.951	113	151307	50.401	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.800%
50) Toluene-d8	10.381	98	512588	45.887	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.780%
62) 4-Bromofluorobenzene	12.669	95	221606	55.169	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	380	0.691	ug/l #	43
16) Acetone	4.234	43	94189	42.079	ug/l	96
17) Carbon Disulfide	4.457	76	2659	0.360	ug/l #	75
18) Methyl Acetate	4.787	43	3437	0.577	ug/l #	75
20) Methylene Chloride	5.010	84	31391	8.842	ug/l #	93
23) Vinyl Acetate	6.522	43	2573	0.243	ug/l #	68
25) 2-Butanone	7.269	43	13948	3.927	ug/l #	88
26) 2,2-Dichloropropane	7.245	77	58	Below Cal	#	53
29) Tetrahydrofuran	7.640	42	1629	0.694	ug/l #	70
31) Cyclohexane	8.010	56	6929	1.258	ug/l #	34
36) 1,1-Dichloropropene	8.010	75	24418	6.011	ug/l #	49
37) Ethyl Acetate	7.340	43	2960	0.456	ug/l #	75
38) Carbon Tetrachloride	8.016	117	30313	7.094	ug/l #	17
40) Benzene	8.387	78	6131	0.480	ug/l	100
43) Isopropyl Acetate	8.498	43	7135	0.768	ug/l #	89
48) Methyl methacrylate	9.487	41	6450	1.521	ug/l #	37
51) 4-Methyl-2-Pentanone	10.269	43	9812	1.620	ug/l	90
54) cis-1,3-Dichloropropene	10.187	75	5319	1.033	ug/l #	73
59) 2-Hexanone	10.998	43	149802	31.979	ug/l #	21
65) Chlorobenzene	11.710	112	111453	12.871	ug/l	99
76) 1,2,3-Trichloropropane	12.669	75	116411	22.085	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	116411	59.642	ug/l #	10
90) Hexachloroethane	14.216	117	542	0.210	ug/l #	9
91) 1,2-Dichlorobenzene	13.922	146	6330	0.844	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.663	75	54	Below Cal	#	1
95) Naphthalene	15.433	128	4799	0.286	ug/l #	91

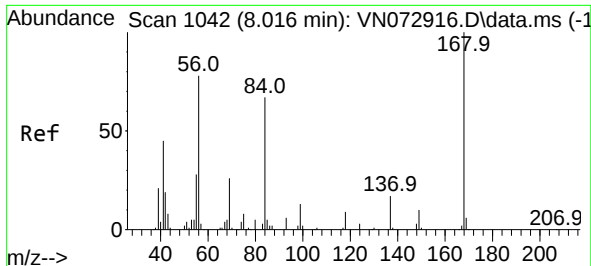
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
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Quant Title : SW846 8260
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Response via : Initial Calibration

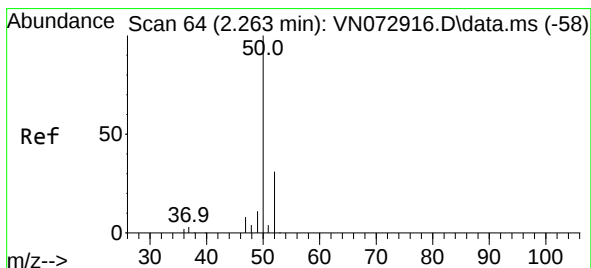
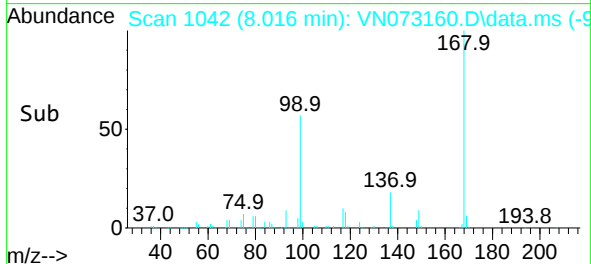
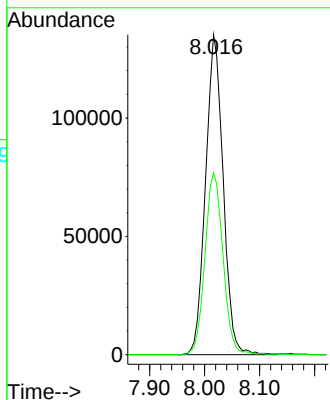
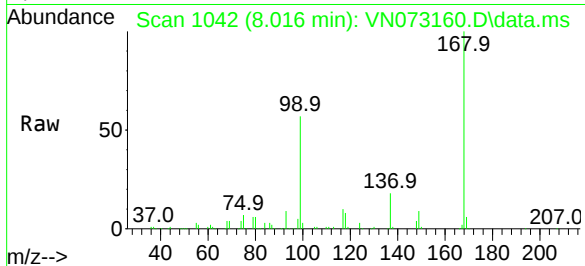




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

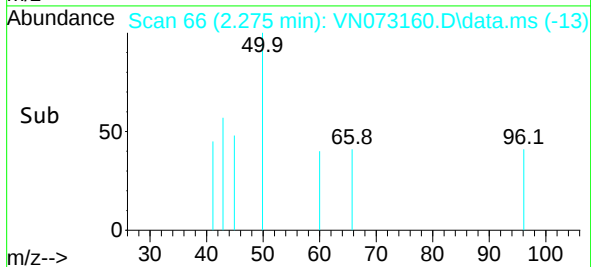
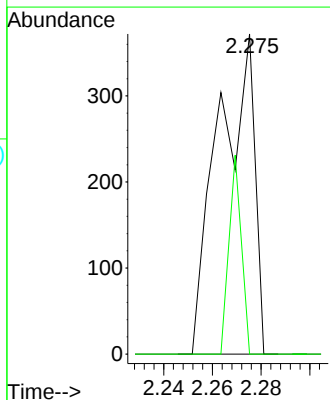
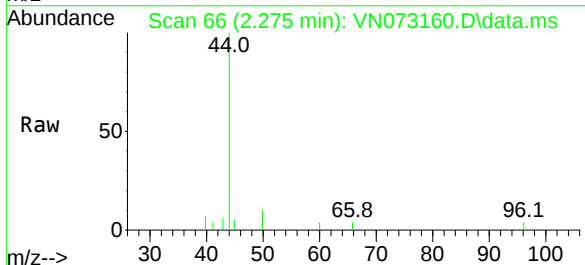
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

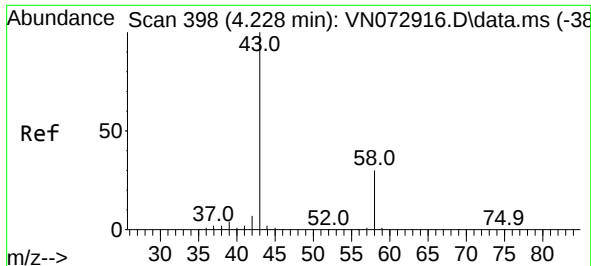
Tgt Ion:168 Resp: 301195
Ion Ratio Lower Upper
168 100
99 56.9 42.3 63.5



#3
Chloromethane
Concen: 0.691 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#16

Acetone

Concen: 42.079 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

Instrument :

MSVOA_N

ClientSampleId :

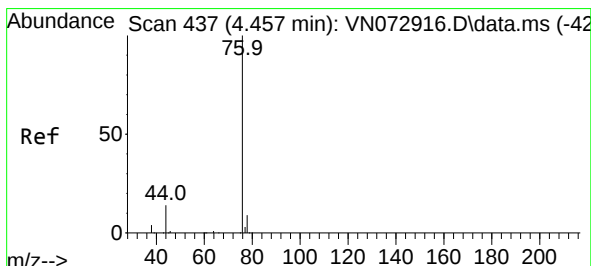
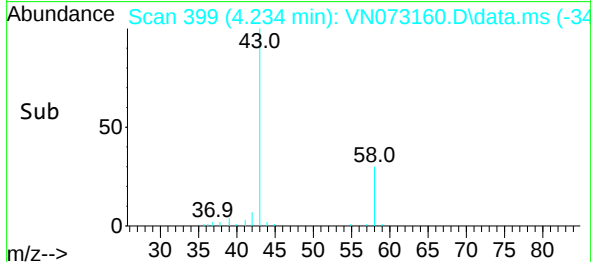
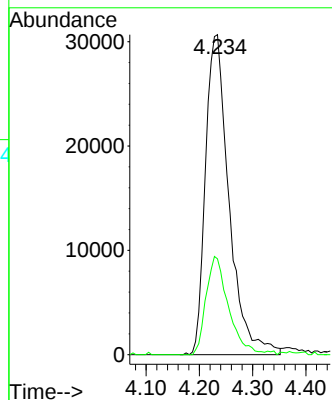
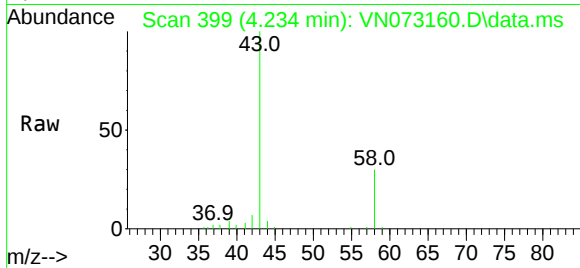
SP-EXC-1-5

Tgt Ion: 43 Resp: 94189

Ion Ratio Lower Upper

43 100

58 30.0 26.0 39.0



#17

Carbon Disulfide

Concen: 0.360 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073160.D

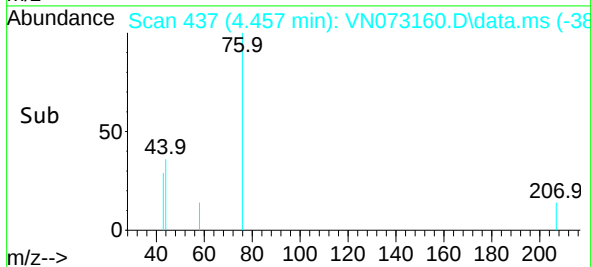
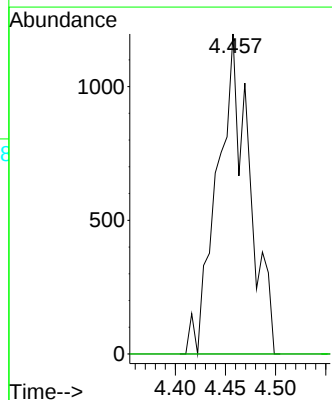
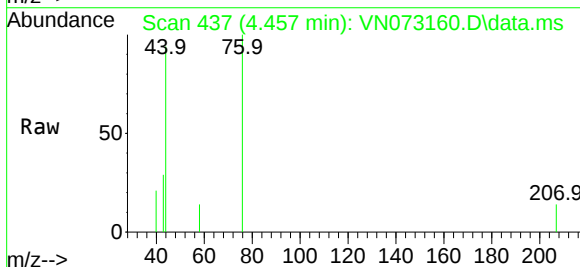
Acq: 27 Jun 2022 14:25

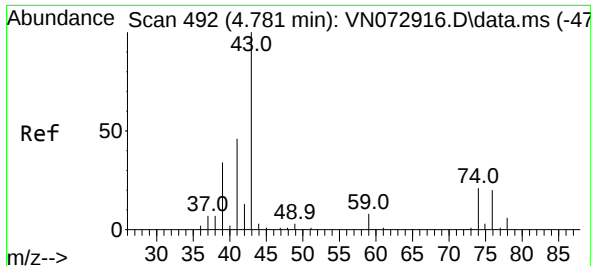
Tgt Ion: 76 Resp: 2659

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

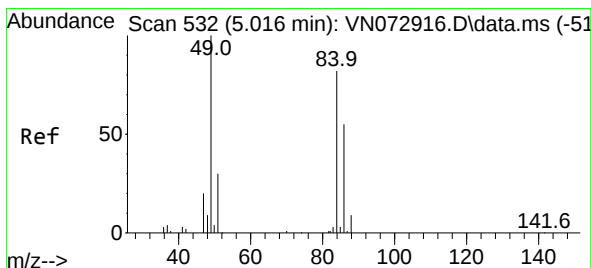
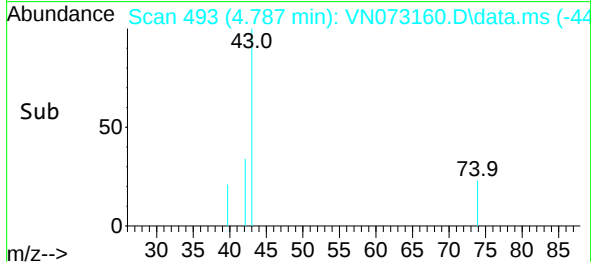
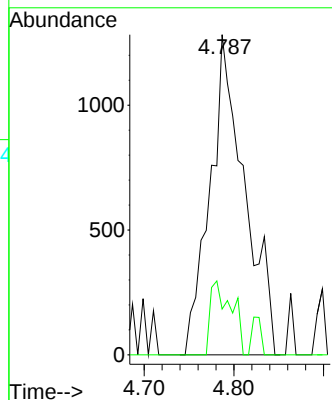
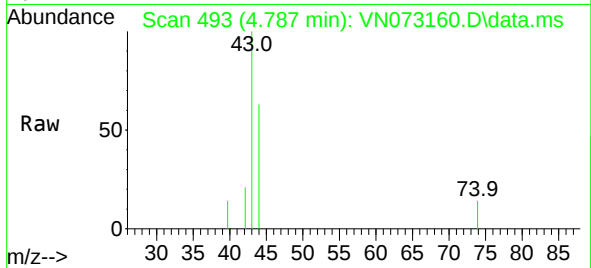




#18
Methyl Acetate
Concen: 0.577 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

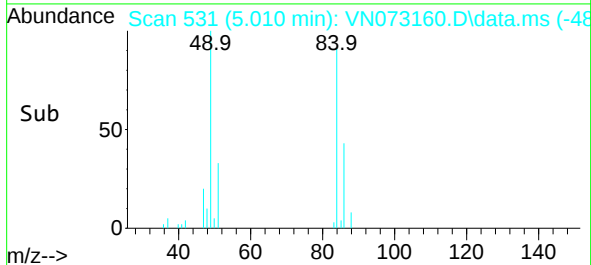
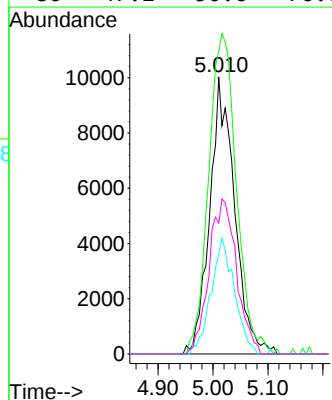
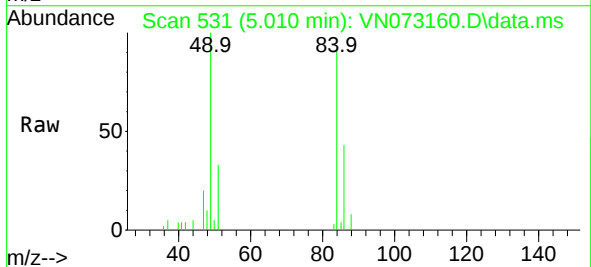
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

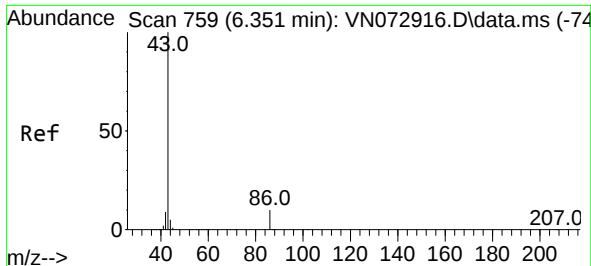
Tgt Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
74 14.0 21.6 32.4#



#20
Methylene Chloride
Concen: 8.842 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 84 Resp: 31391
Ion Ratio Lower Upper
84 100
49 109.3 88.3 132.5
51 36.2 28.2 42.2
86 47.2 50.6 76.0#

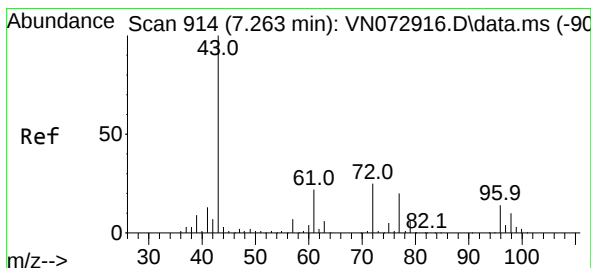
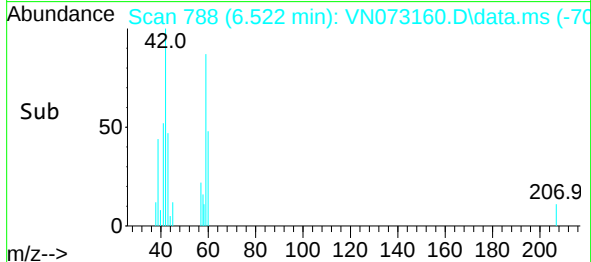
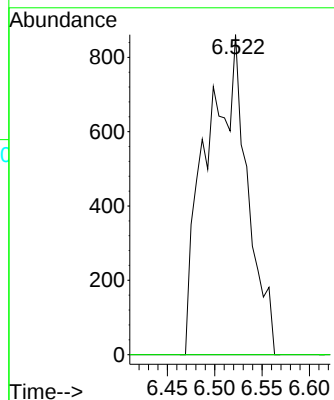
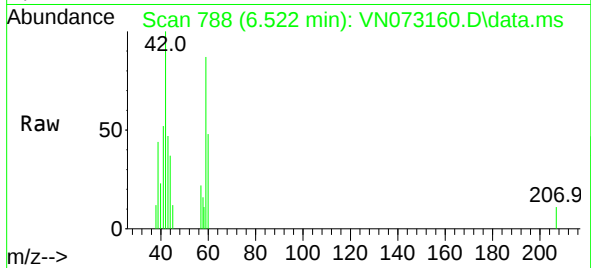




#23
 Vinyl Acetate
 Concen: 0.243 ug/l
 RT: 6.522 min Scan# 71
 Delta R.T. 0.171 min
 Lab File: VN073160.D
 Acq: 27 Jun 2022 14:25

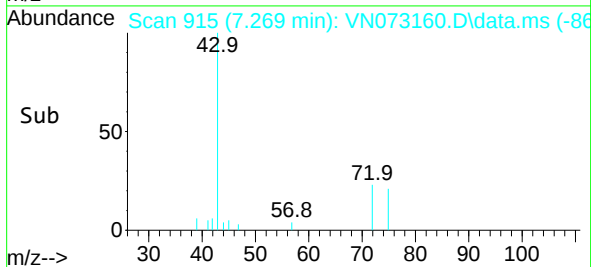
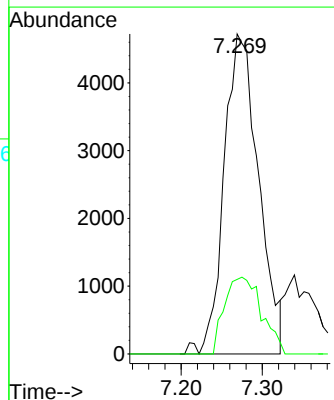
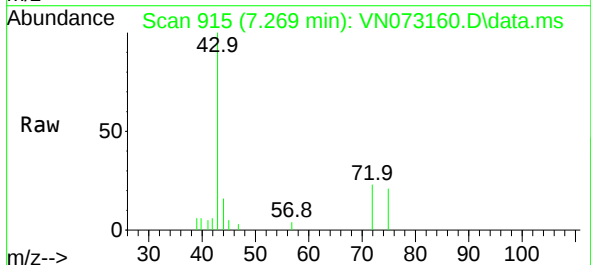
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-1-5

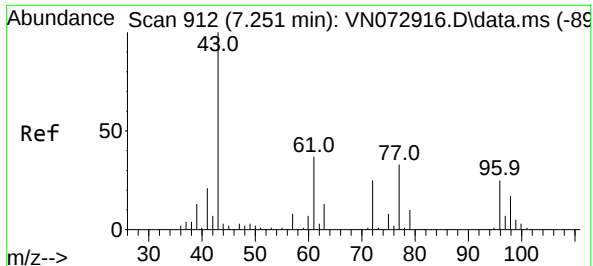
Tgt Ion: 43 Resp: 2573
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 3.927 ug/l
 RT: 7.269 min Scan# 915
 Delta R.T. 0.006 min
 Lab File: VN073160.D
 Acq: 27 Jun 2022 14:25

Tgt Ion: 43 Resp: 13948
 Ion Ratio Lower Upper
 43 100
 72 23.3 23.7 35.5#

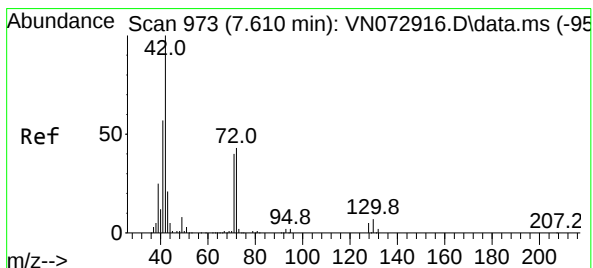
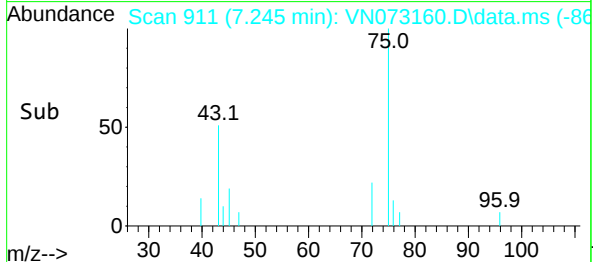
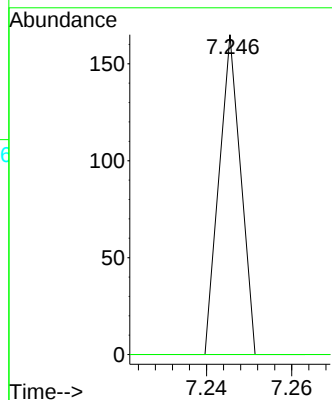
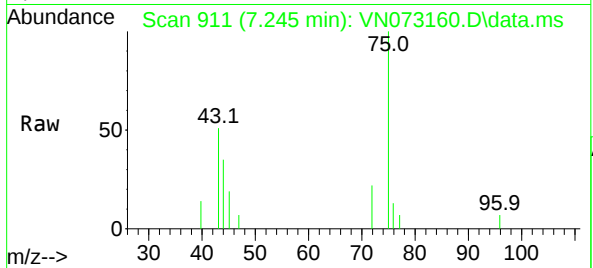




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

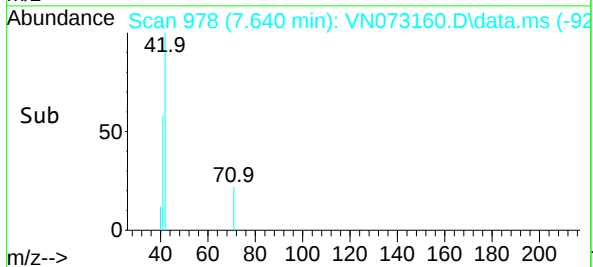
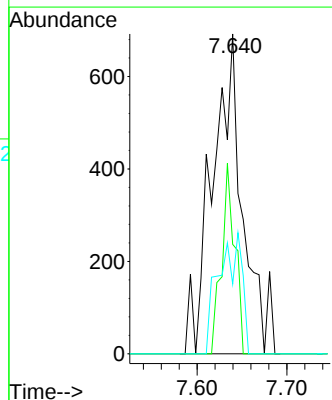
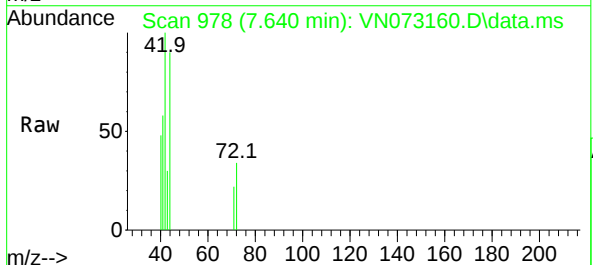
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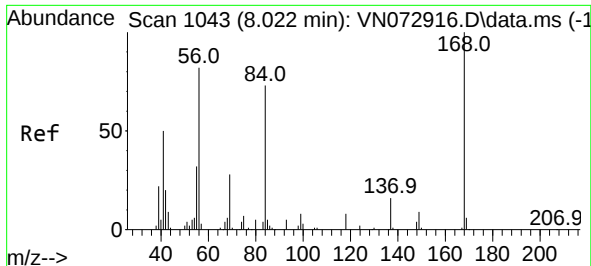
Tgt Ion: 77 Resp: 58
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.694 ug/l
RT: 7.640 min Scan# 978
Delta R.T. 0.030 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 42 Resp: 1629
Ion Ratio Lower Upper
42 100
72 25.8 39.7 59.5#
71 28.7 36.6 55.0#

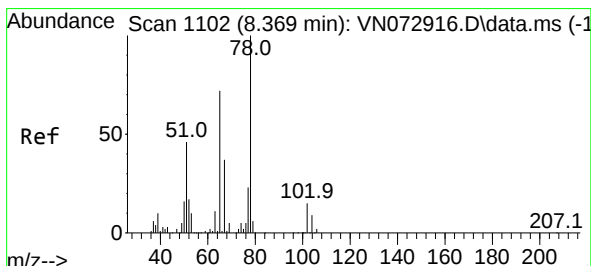
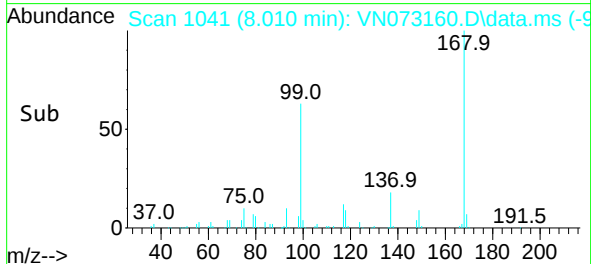
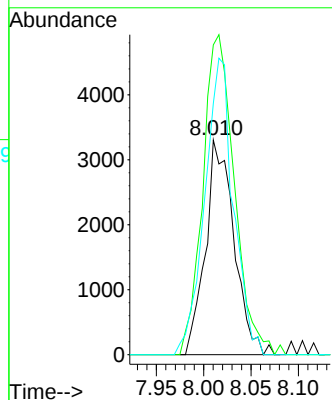
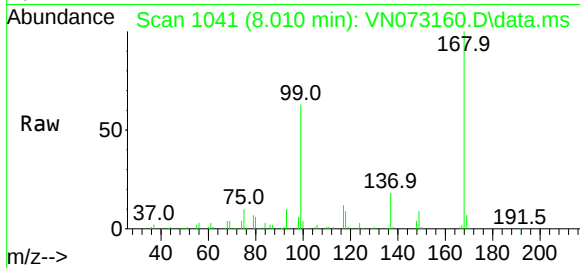




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.010 min Scan# 1043
Delta R.T. -0.011 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

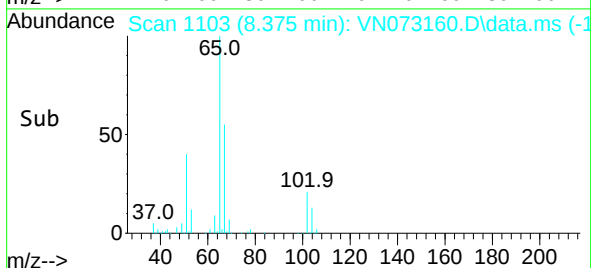
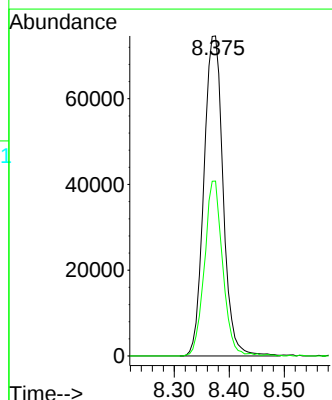
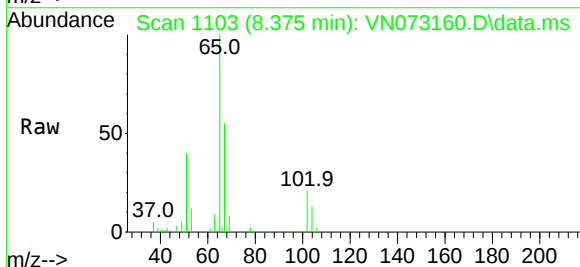
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SP-EXC-1-5

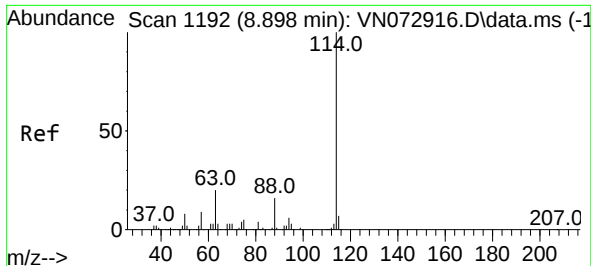
Tgt Ion: 56 Resp: 6929
Ion Ratio Lower Upper
56 100
69 144.3 27.8 41.8#
84 117.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.417 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 65 Resp: 180869
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-5

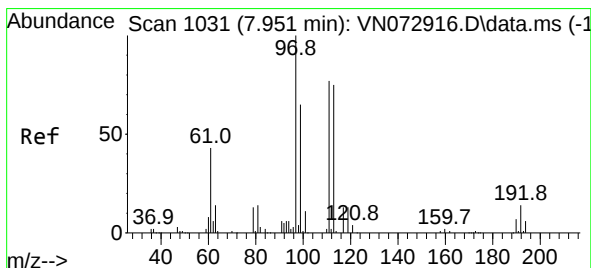
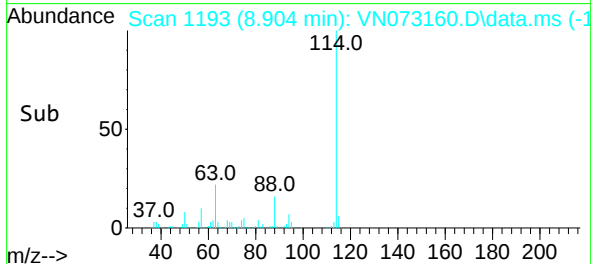
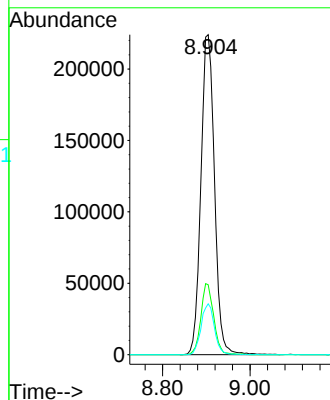
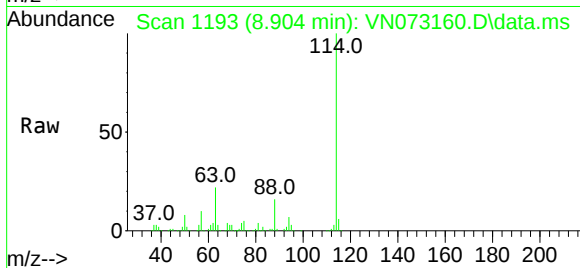
Tgt Ion:114 Resp: 485699

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.401 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

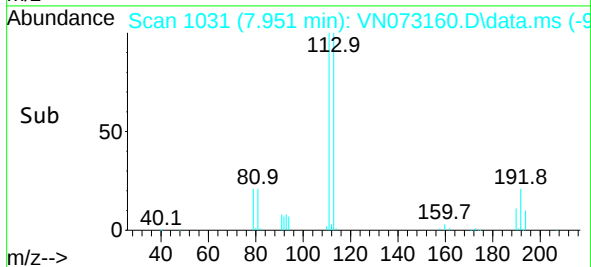
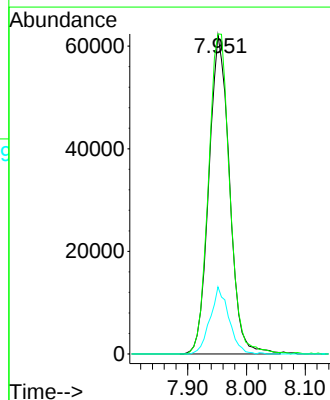
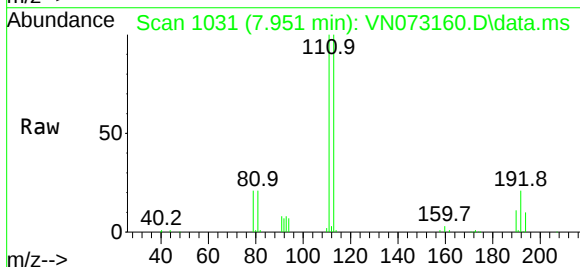
Tgt Ion:113 Resp: 151307

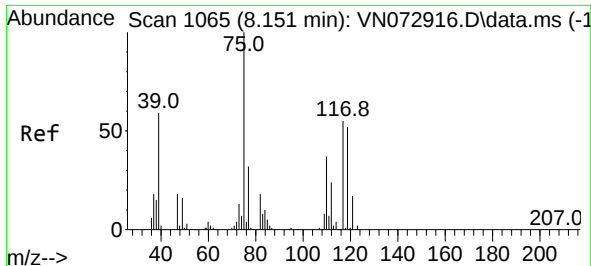
Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 19.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.011 ug/l

RT: 8.010 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-5

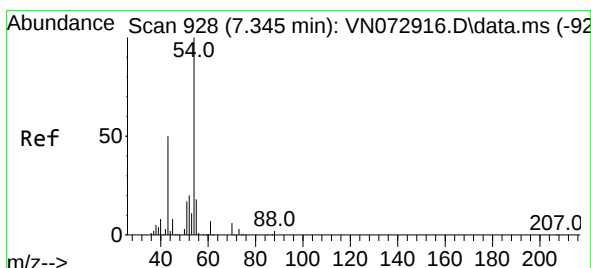
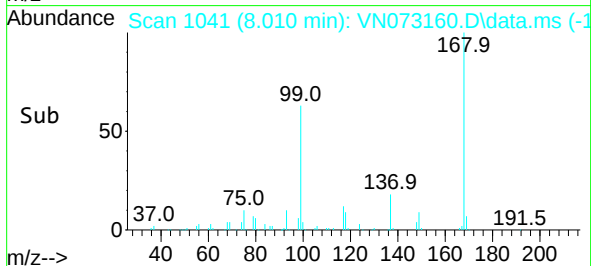
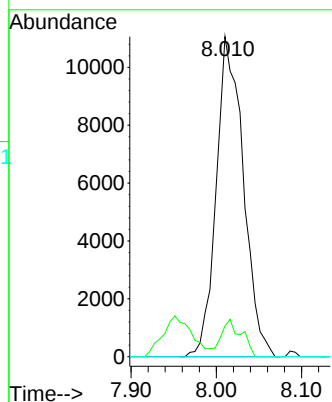
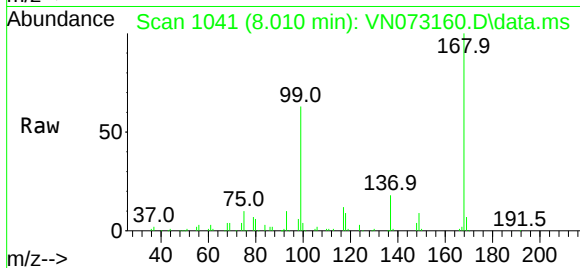
Tgt Ion: 75 Resp: 24418

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.456 ug/l

RT: 7.340 min Scan# 927

Delta R.T. -0.006 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

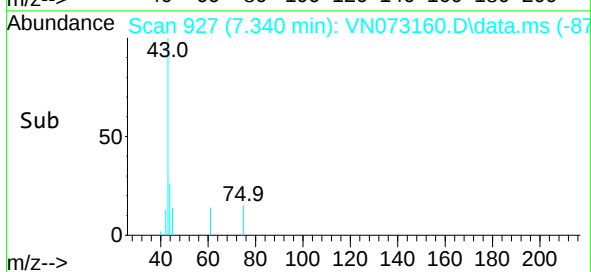
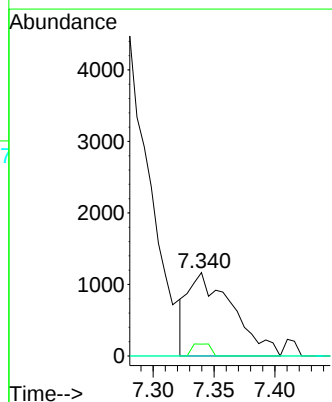
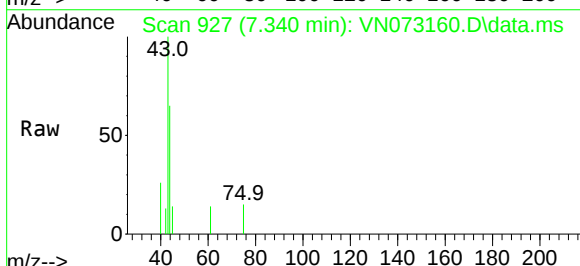
Tgt Ion: 43 Resp: 2960

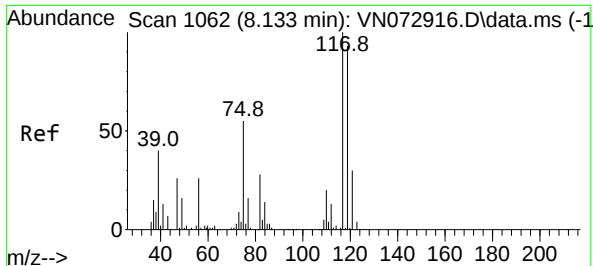
Ion Ratio Lower Upper

43 100

61 6.0 11.8 17.6#

70 0.0 9.3 13.9#

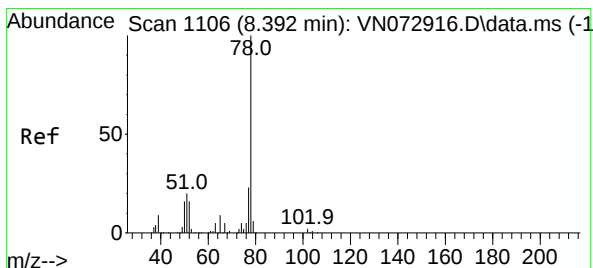
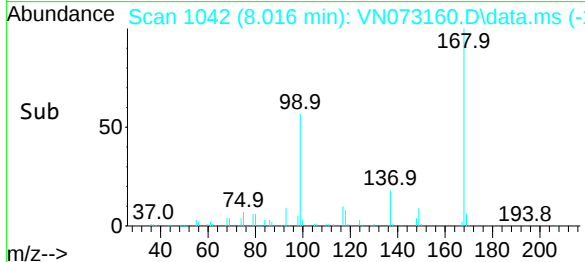
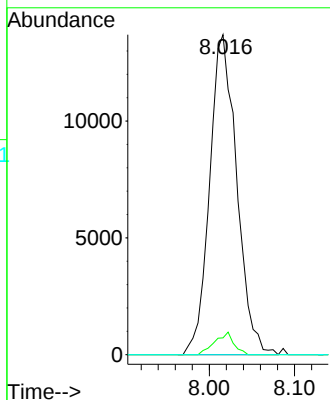
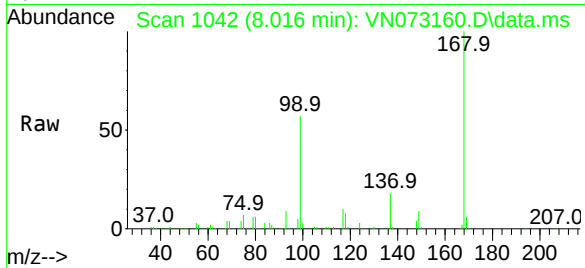




#38
Carbon Tetrachloride
Concen: 7.094 ug/l
RT: 8.016 min Scan# 1105
Delta R.T. -0.117 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

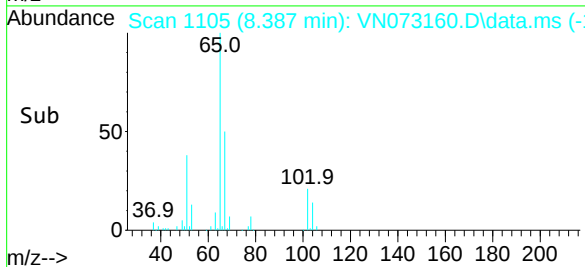
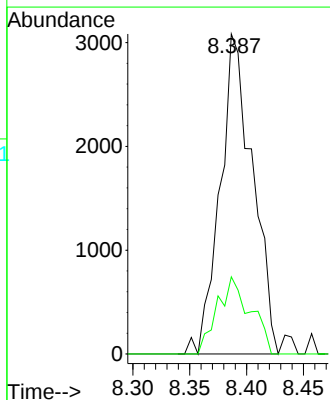
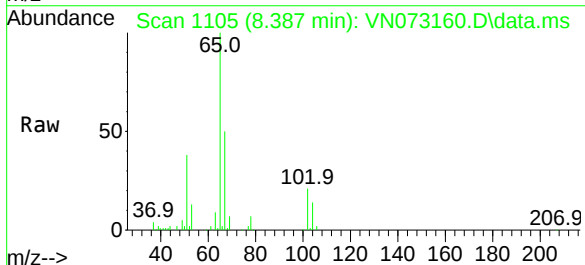
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

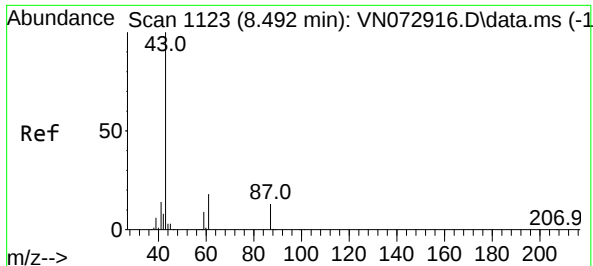
Tgt Ion:117 Resp: 30313
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.480 ug/l
RT: 8.387 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 78 Resp: 6131
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#43

Isopropyl Acetate

Concen: 0.768 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

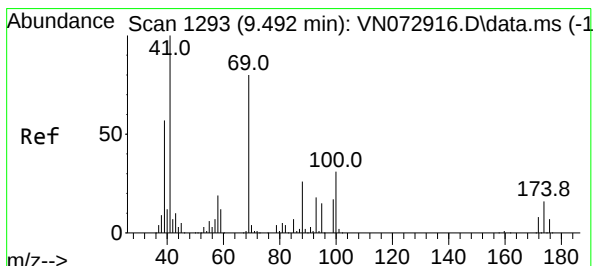
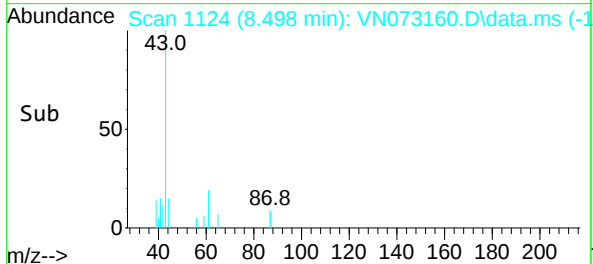
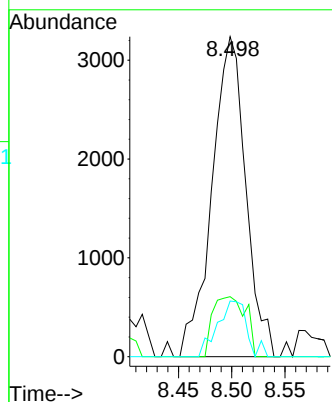
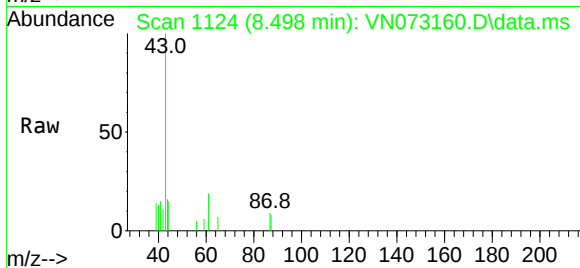
Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-1-5

Tgt Ion: 43	Resp: 7135
Ion Ratio	Lower Upper
43	100
61	18.3 21.9 32.9#
87	15.1 12.0 18.0



#48

Methyl methacrylate

Concen: 1.521 ug/l

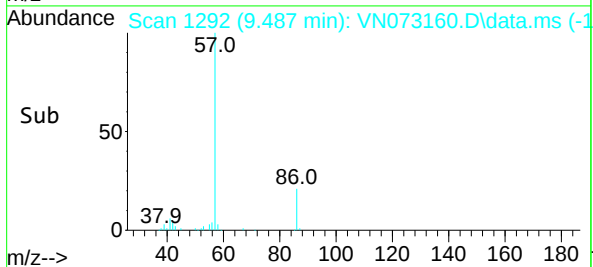
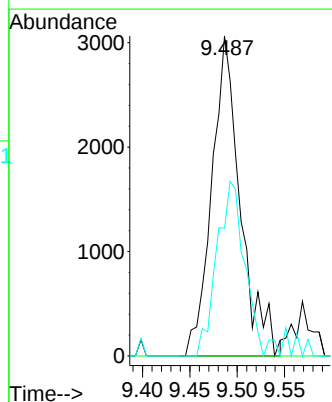
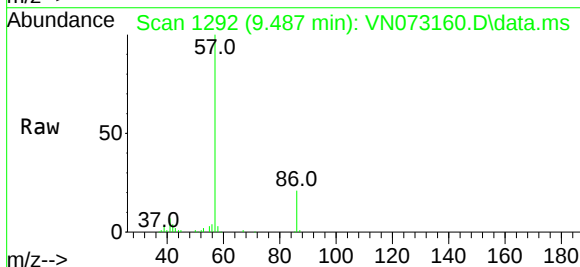
RT: 9.487 min Scan# 1292

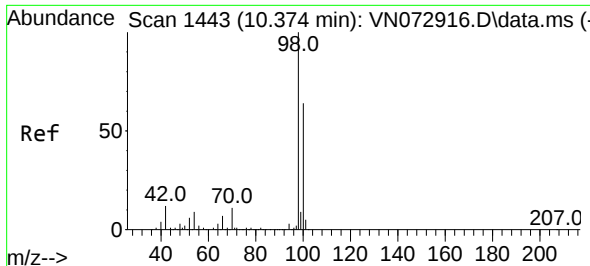
Delta R.T. -0.006 min

Lab File: VN073160.D

Acq: 27 Jun 2022 14:25

Tgt Ion: 41	Resp: 6450
Ion Ratio	Lower Upper
41	100
69	0.0 74.7 112.1#
39	52.2 45.6 68.4

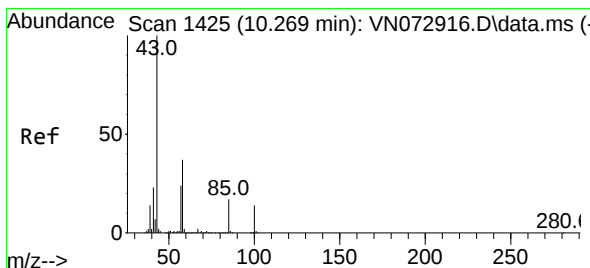
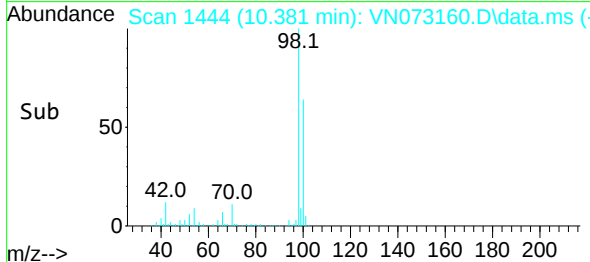
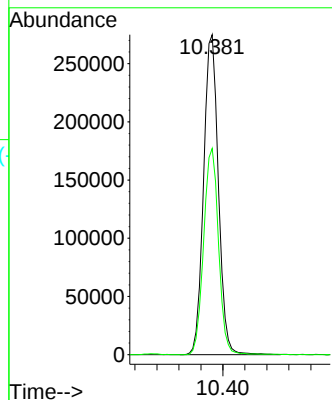
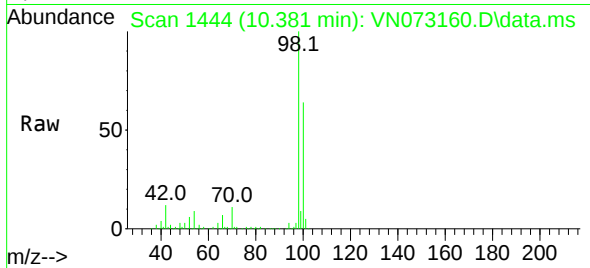




#50
Toluene-d8
Concen: 45.887 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

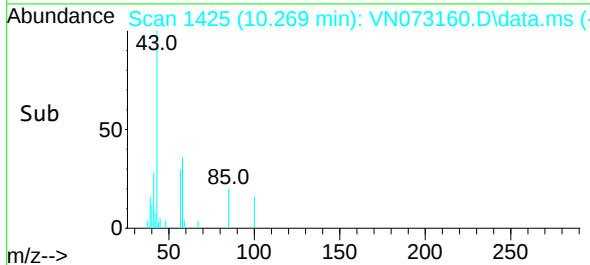
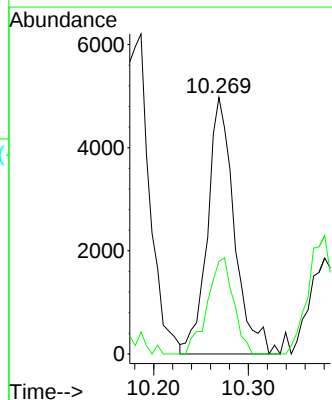
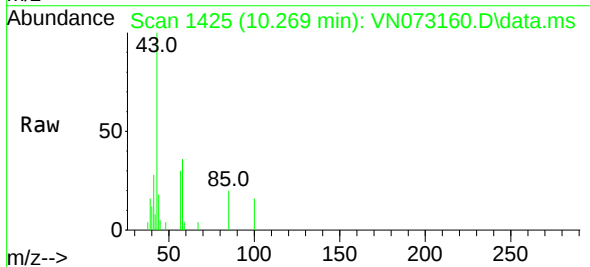
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

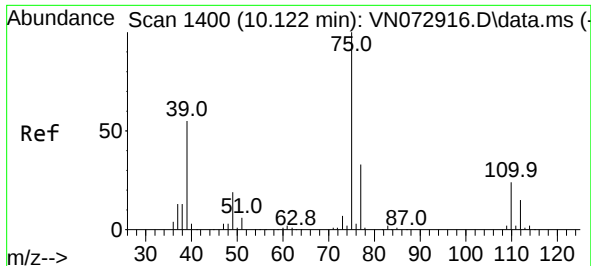
Tgt Ion: 98 Resp: 512588
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.620 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 43 Resp: 9812
Ion Ratio Lower Upper
43 100
58 36.3 34.1 51.1

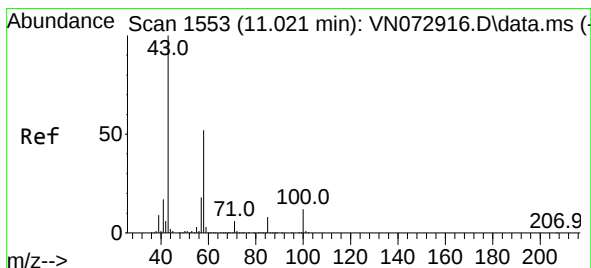
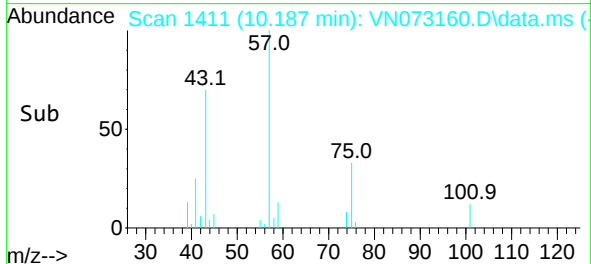
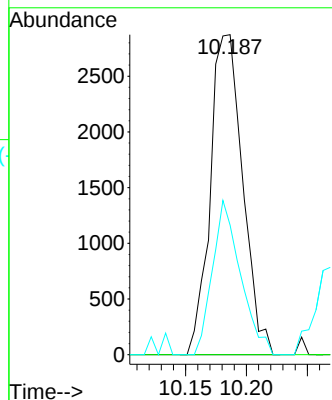
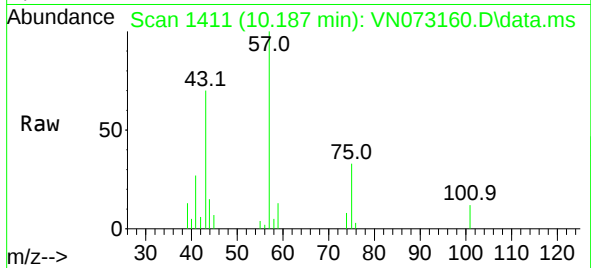




#54
cis-1,3-Dichloropropene
Concen: 1.033 ug/l
RT: 10.187 min Scan# 1411
Delta R.T. 0.065 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

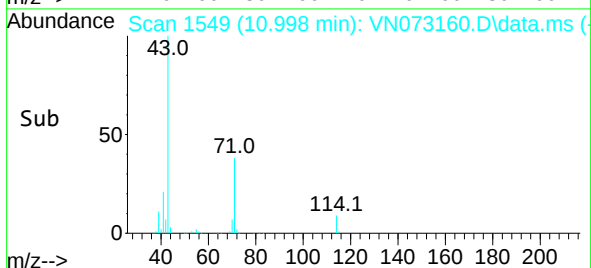
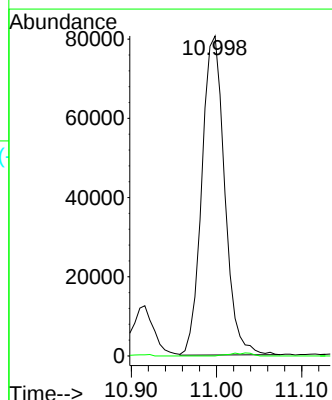
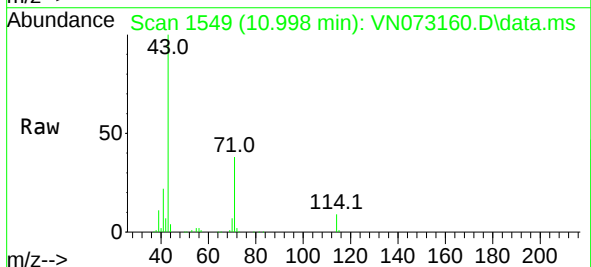
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

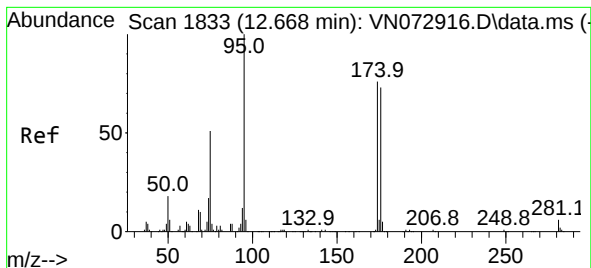
Tgt Ion: 75 Resp: 5319
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 40.4 35.7 53.5



#59
2-Hexanone
Concen: 31.979 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.023 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 43 Resp: 149802
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

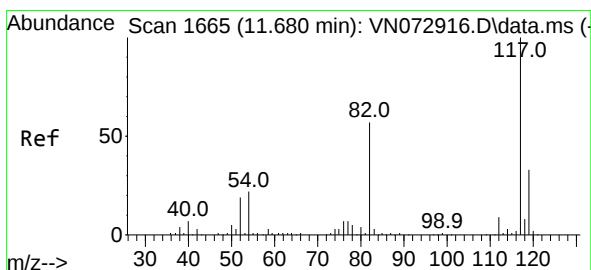
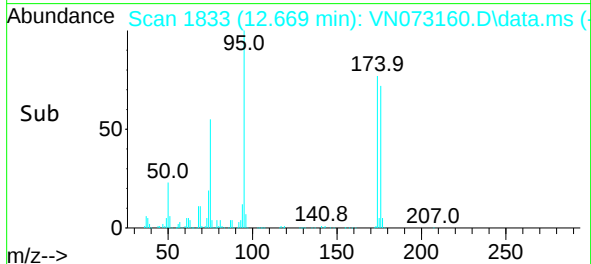
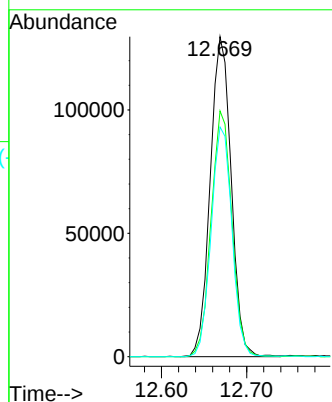
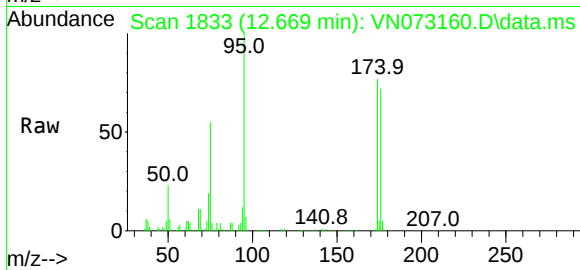




#62
4-Bromofluorobenzene
Concen: 55.169 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

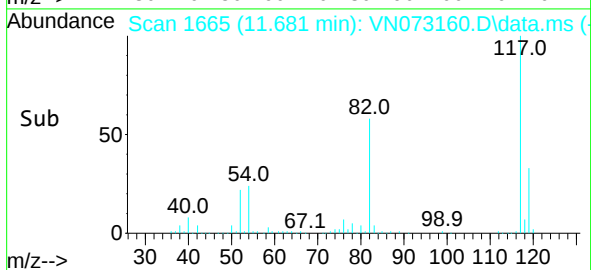
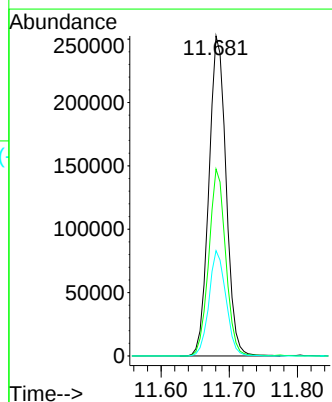
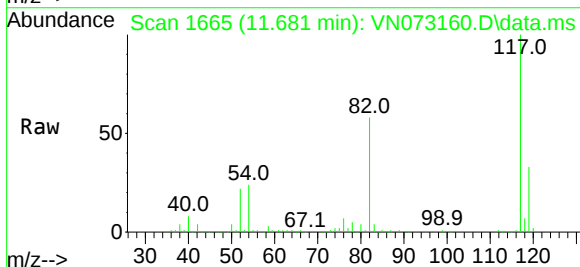
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

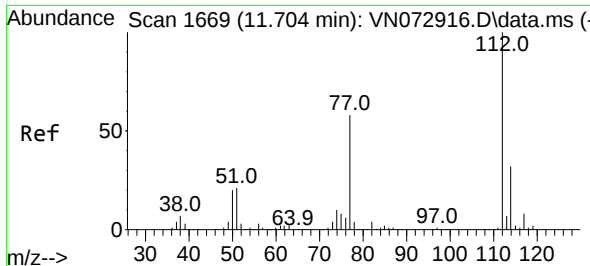
Tgt Ion: 95 Resp: 221606
Ion Ratio Lower Upper
95 100
174 76.3 0.0 167.6
176 71.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.681 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 117 Resp: 443402
Ion Ratio Lower Upper
117 100
82 58.4 44.2 66.2
119 32.9 25.4 38.0

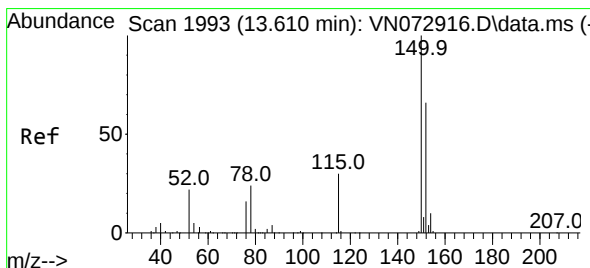
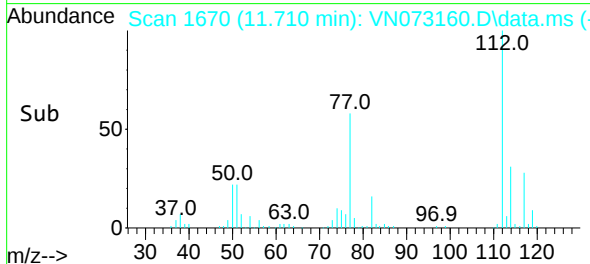
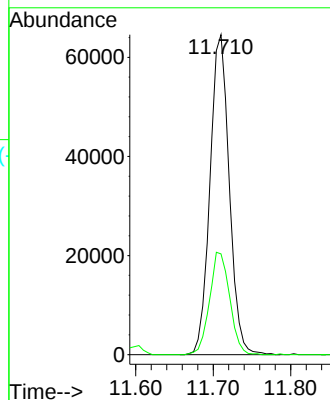
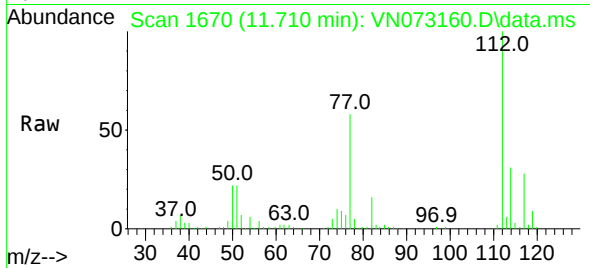




#65
Chlorobenzene
Concen: 12.871 ug/l
RT: 11.710 min Scan# 111453
Delta R.T. 0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

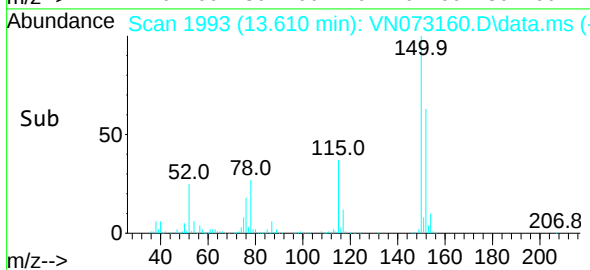
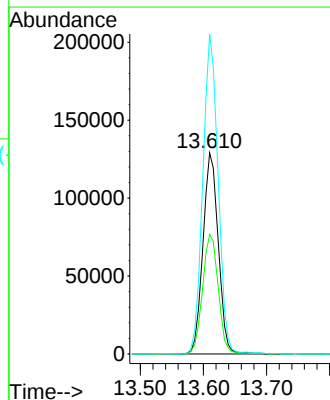
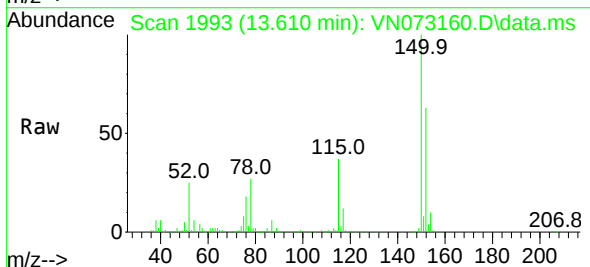
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

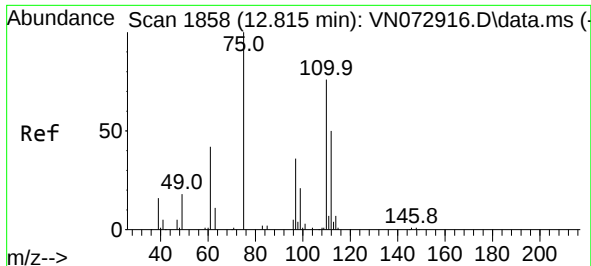
Tgt Ion:112 Resp: 111453
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion:152 Resp: 217412
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 157.9 0.0 356.2

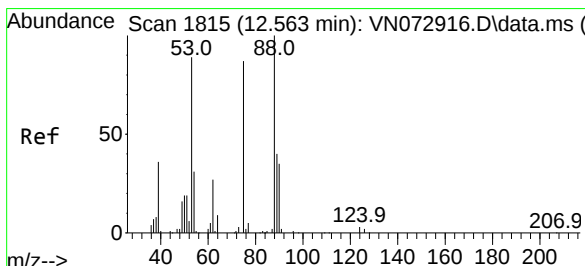
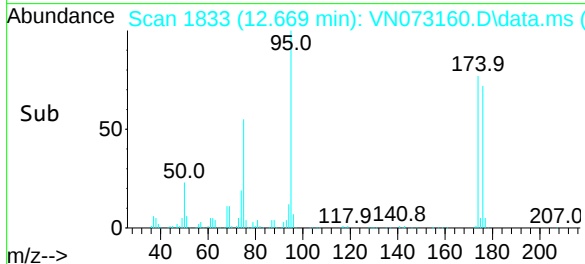
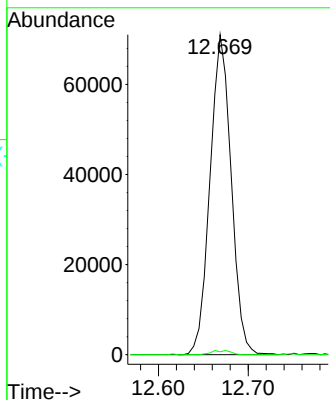
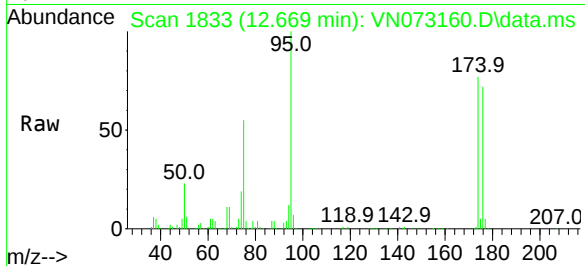




#76
1,2,3-Trichloropropane
Concen: 22.085 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

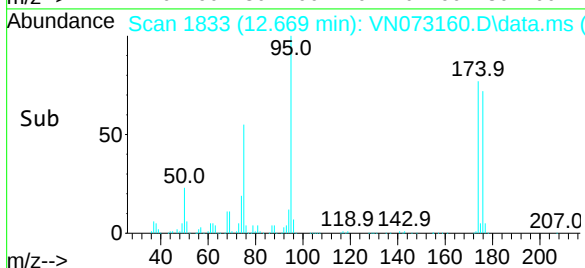
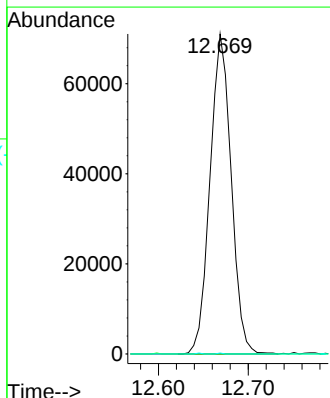
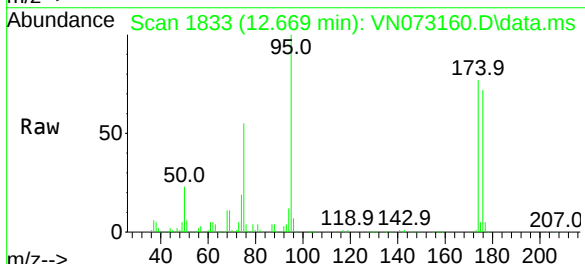
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

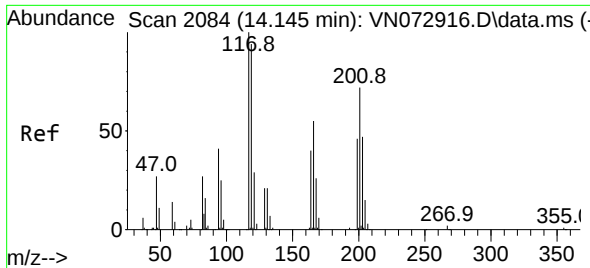
Tgt Ion: 75 Resp: 116411
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.642 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Tgt Ion: 75 Resp: 116411
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

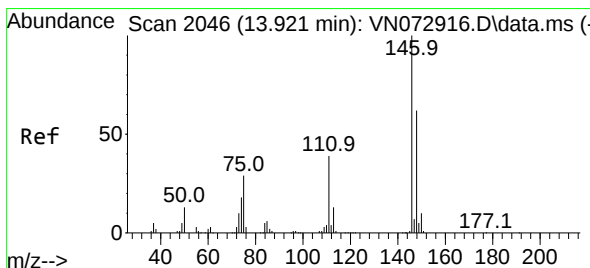
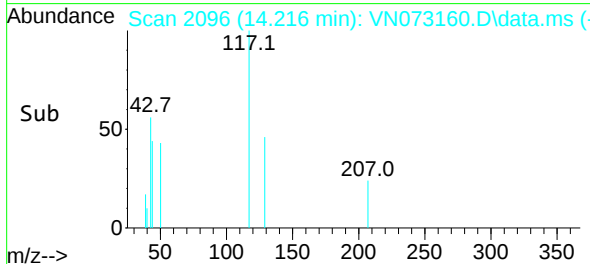
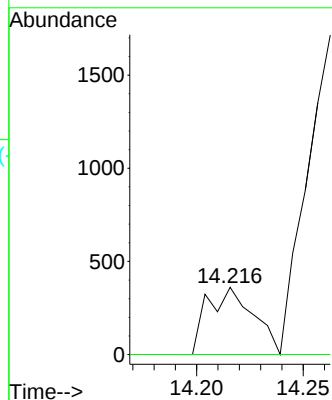
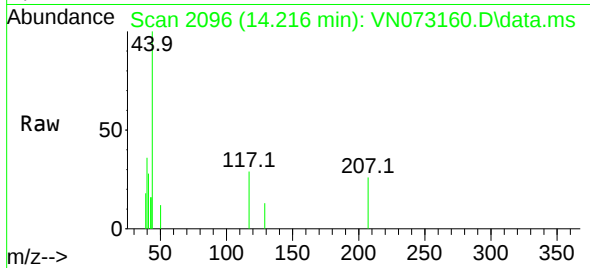




#90
Hexachloroethane
Concen: 0.210 ug/l
RT: 14.216 min Scan# 2096
Delta R.T. 0.071 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

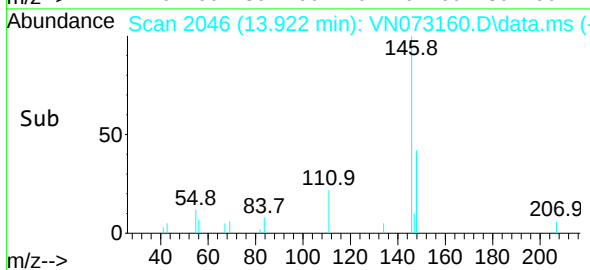
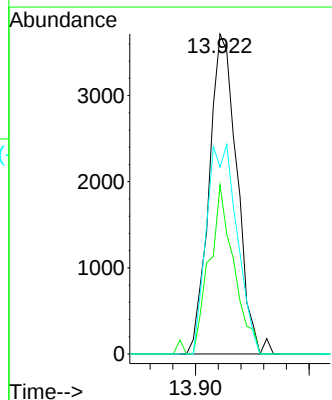
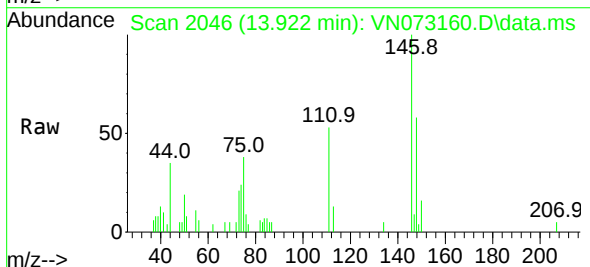
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5

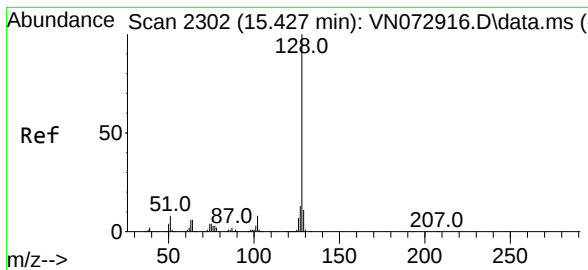
Tgt Ion:117 Resp: 542
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#91
1,2-Dichlorobenzene
Concen: 0.844 ug/l
RT: 13.922 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

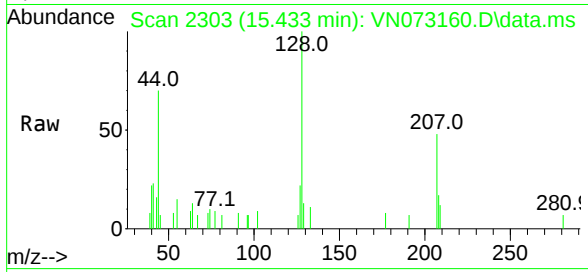
Tgt Ion:146 Resp: 6330
Ion Ratio Lower Upper
146 100
111 47.3 20.9 62.8
148 71.9 32.1 96.3





#95
Naphthalene
Concen: 0.286 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073160.D
Acq: 27 Jun 2022 14:25

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-1-5



Tgt Ion:	128	Resp:	4799
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.3	15.5
129	16.3	8.6	13.0#

