

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073156.D
 Acq On : 27 Jun 2022 12:47
 Operator : JC\MD
 Sample : N3494-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-3

Quant Time: Jun 28 06:36:41 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)

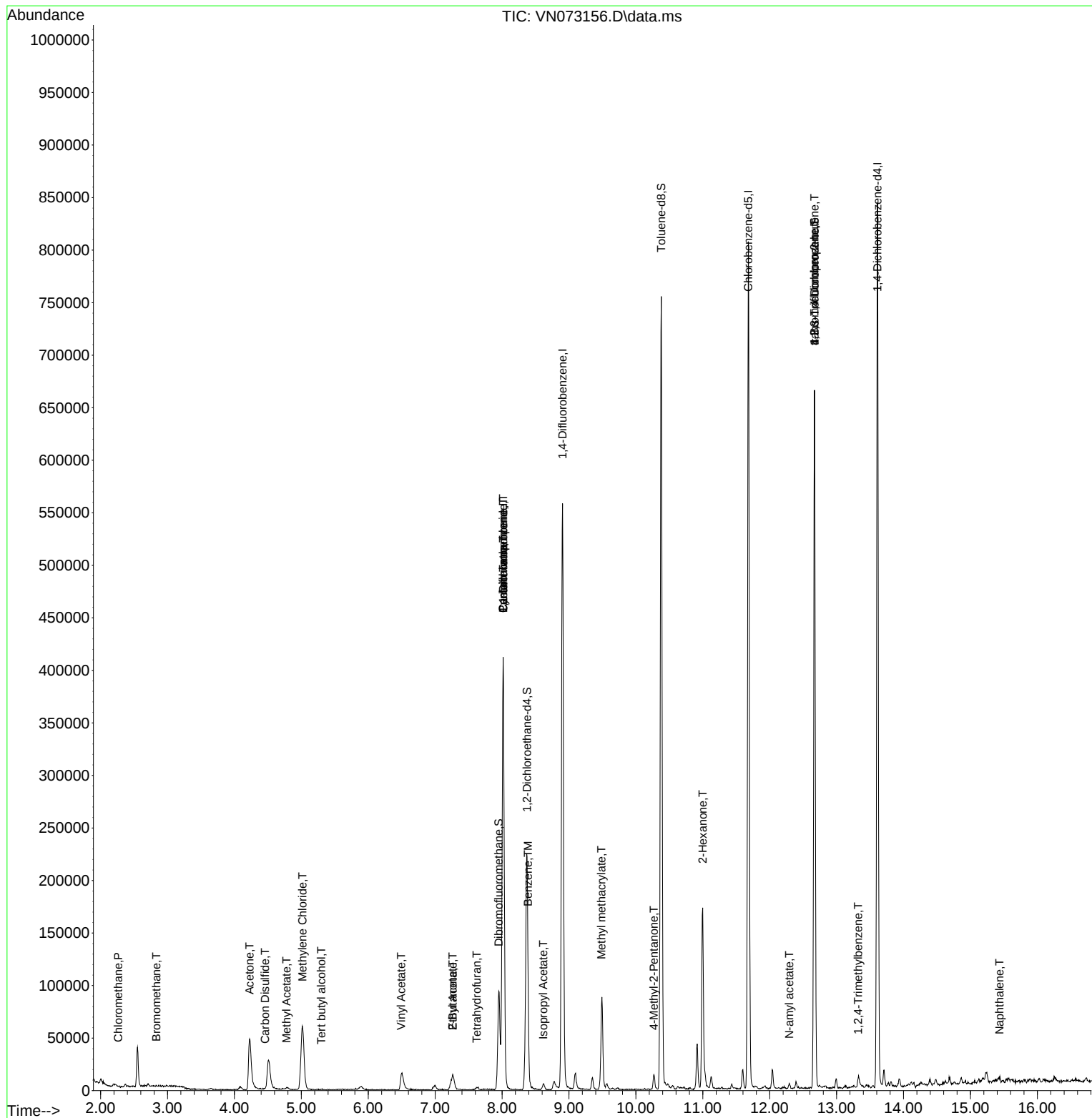
Internal Standards						
1) Pentafluorobenzene	8.016	168	303282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	496841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	456430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	226449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	187844	45.812	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.620%		
35) Dibromofluoromethane	7.951	113	70132	22.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	45.680%#		
50) Toluene-d8	10.380	98	518817	45.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.800%		
62) 4-Bromofluorobenzene	12.669	95	224662	54.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.360%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	533	0.739	ug/l #	43
5) Bromomethane	2.834	94	285	0.280	ug/l	93
11) Tert butyl alcohol	5.298	59	547	0.516	ug/l #	72
16) Acetone	4.228	43	95803	42.505	ug/l	94
17) Carbon Disulfide	4.457	76	2056	0.276	ug/l #	75
18) Methyl Acetate	4.781	43	1857	0.309	ug/l #	82
20) Methylene Chloride	5.016	84	50379	14.238	ug/l	92
23) Vinyl Acetate	6.492	43	3369	0.316	ug/l #	68
25) 2-Butanone	7.263	43	21884	6.119	ug/l	97
26) 2,2-Dichloropropane	7.234	77	337	Below Cal	#	53
29) Tetrahydrofuran	7.622	42	1113	0.471	ug/l #	44
31) Cyclohexane	8.016	56	7123	1.284	ug/l #	13
36) 1,1-Dichloropropene	8.016	75	24719	5.949	ug/l #	49
37) Ethyl Acetate	7.263	43	21884	3.293	ug/l #	67
38) Carbon Tetrachloride	8.016	117	31194	7.137	ug/l #	18
40) Benzene	8.386	78	2632	0.202	ug/l #	86
43) Isopropyl Acetate	8.616	43	2009	0.211	ug/l #	53
48) Methyl methacrylate	9.486	41	9484	2.186	ug/l #	35
51) 4-Methyl-2-Pentanone	10.269	43	11289	1.822	ug/l #	86
59) 2-Hexanone	10.998	43	149840	31.269	ug/l #	21
74) N-amyl acetate	12.292	43	3717	0.409	ug/l #	44
76) 1,2,3-Trichloropropane	12.669	75	117116	21.332	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	117116	57.609	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.321	105	4036	0.282	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.580	75	123	Below Cal	#	1
95) Naphthalene	15.433	128	6425	0.367	ug/l #	95

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

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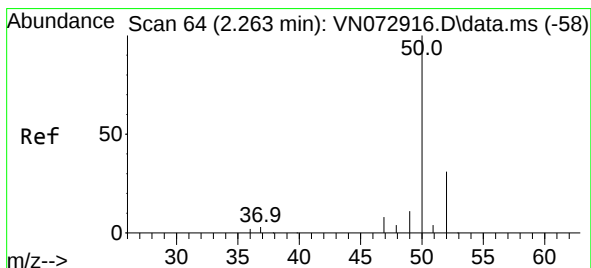
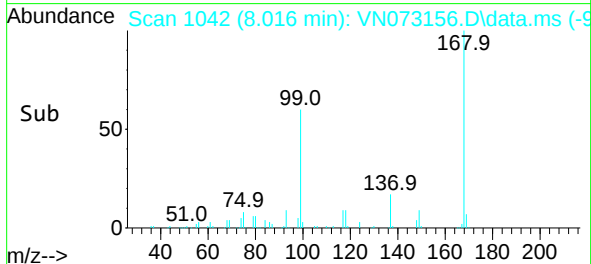
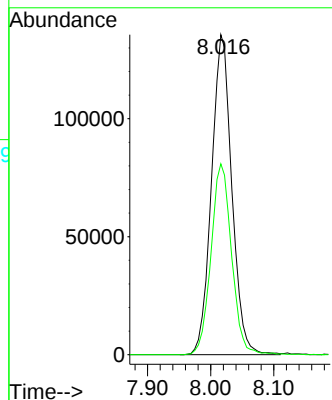
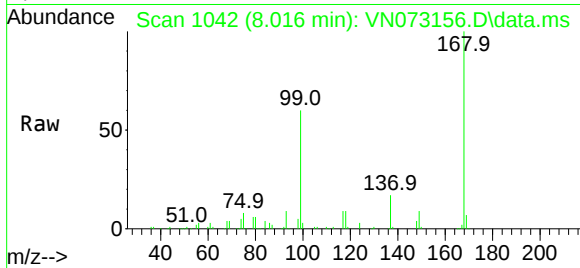




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

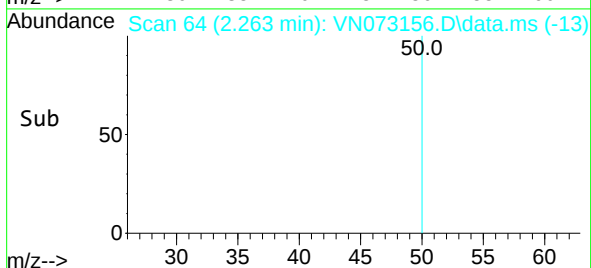
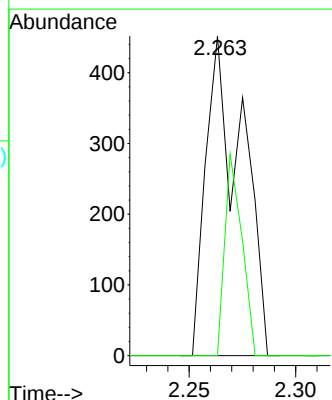
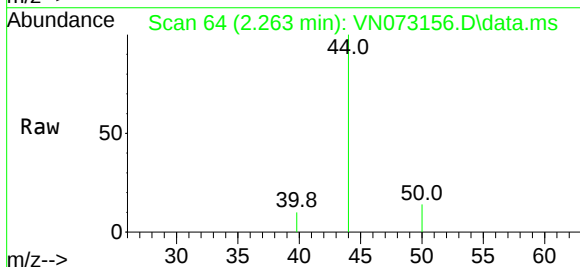
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

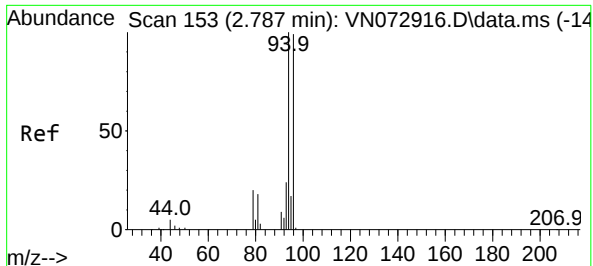
Tgt Ion:168 Resp: 303282
Ion Ratio Lower Upper
168 100
99 59.6 42.3 63.5



#3
Chloromethane
Concen: 0.739 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 50 Resp: 533
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

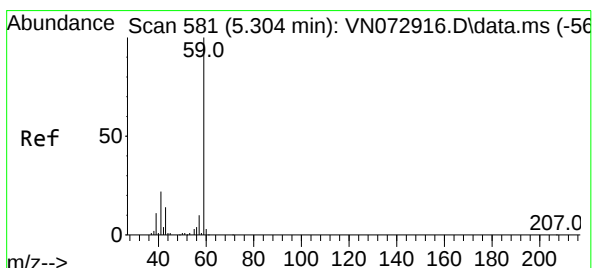
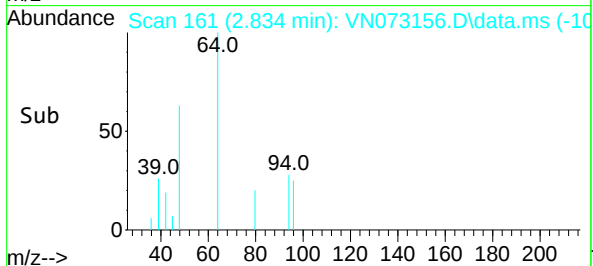
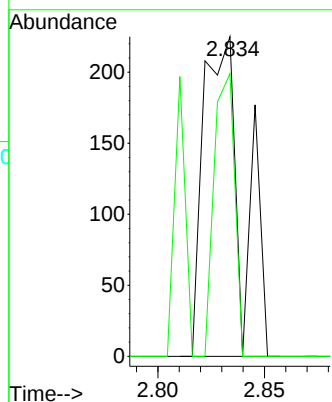
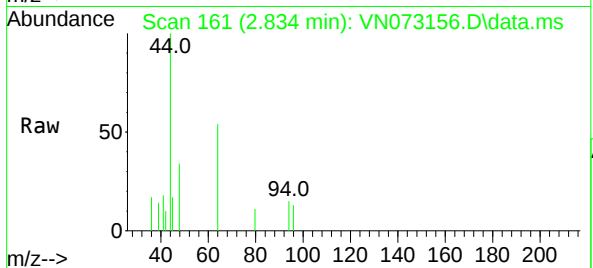




#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

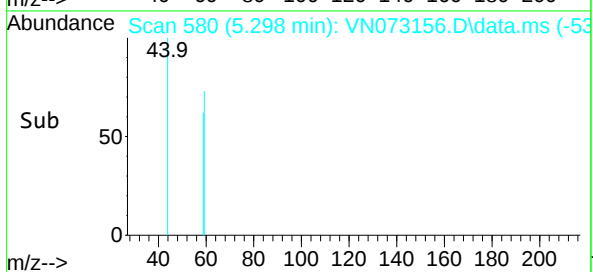
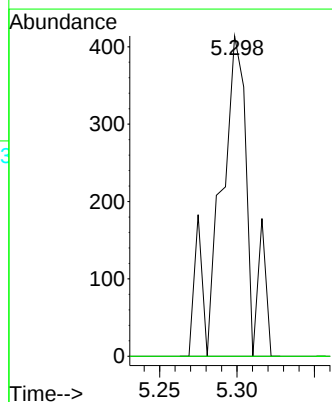
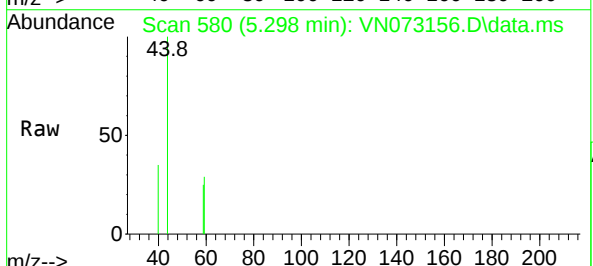
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

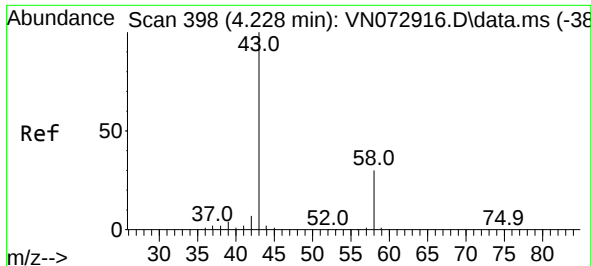
Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 88.4 76.0 114.0



#11
Tert butyl alcohol
Concen: 0.516 ug/l
RT: 5.298 min Scan# 580
Delta R.T. -0.006 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 42.505 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.000 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

Instrument :

MSVOA_N

ClientSampleId :

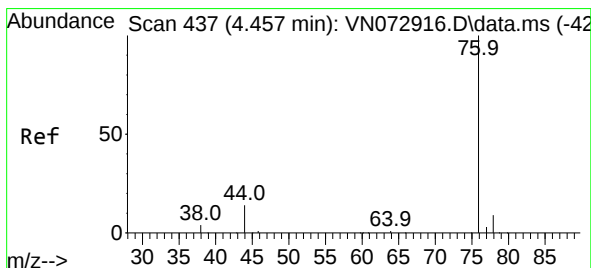
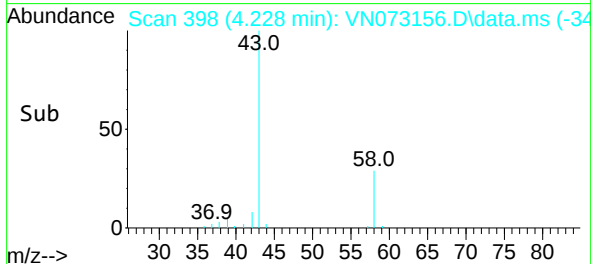
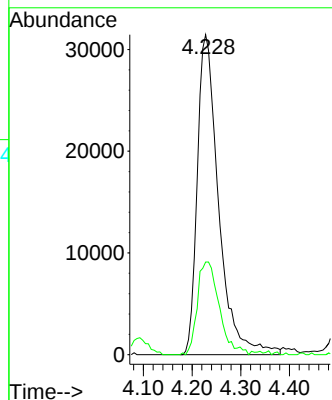
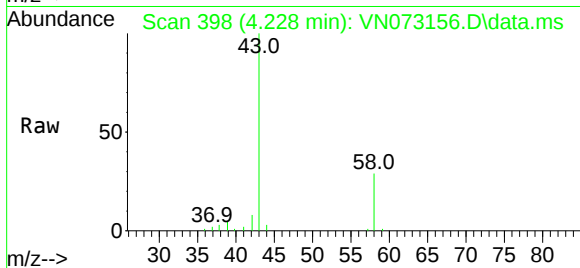
SP-EXC-3

Tgt Ion: 43 Resp: 95803

Ion Ratio Lower Upper

43 100

58 29.0 26.0 39.0



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.000 min

Lab File: VN073156.D

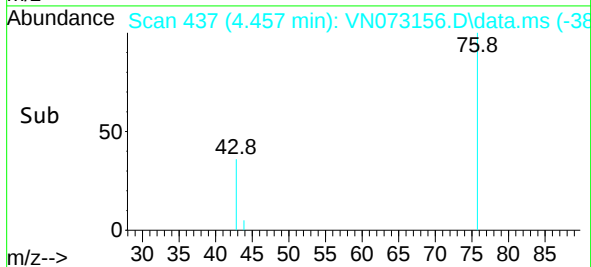
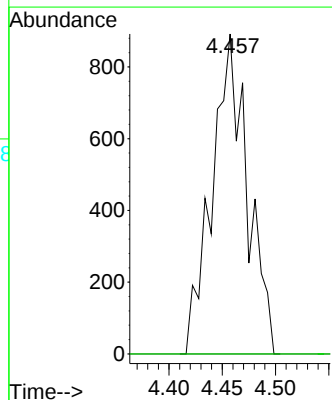
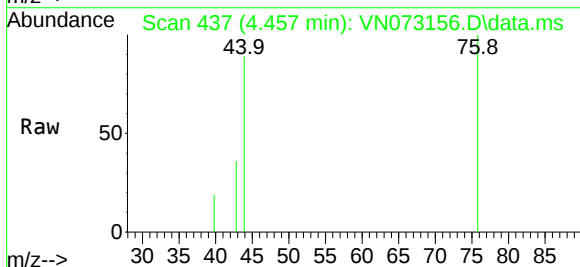
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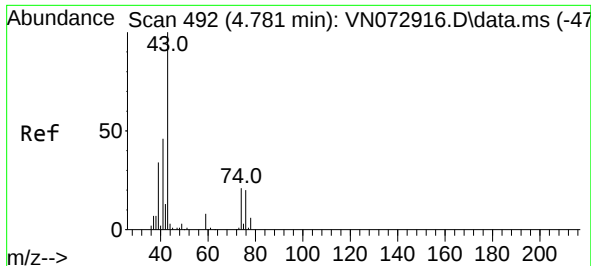
Tgt Ion: 76 Resp: 2056

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

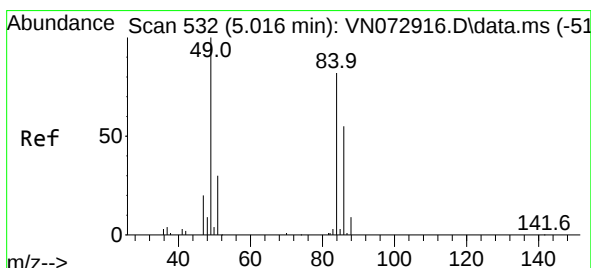
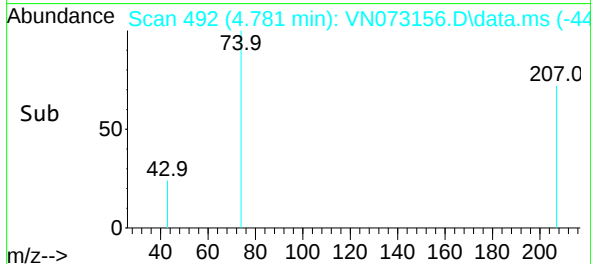
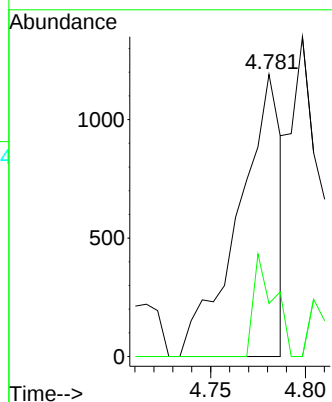
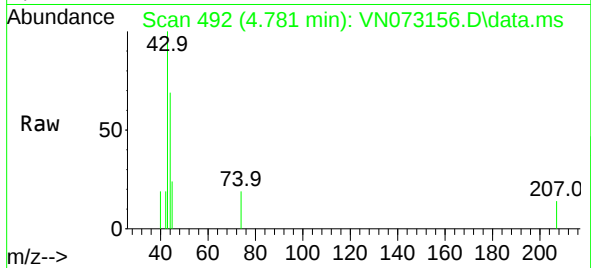




#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

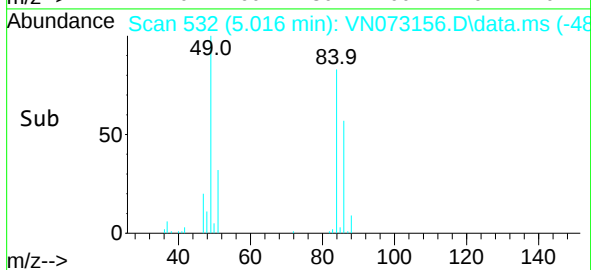
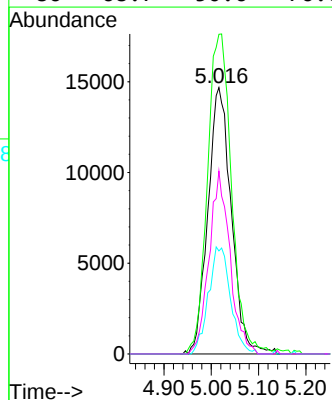
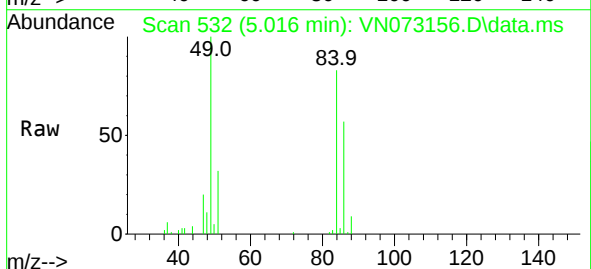
Instrument :
MSVOA_N
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SP-EXC-3

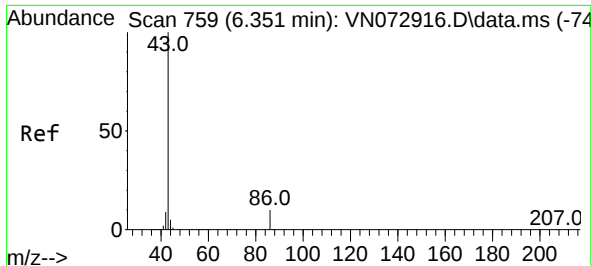
Tgt Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
74 17.7 21.6 32.4#



#20
Methylene Chloride
Concen: 14.238 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 84 Resp: 50379
Ion Ratio Lower Upper
84 100
49 120.0 88.3 132.5
51 38.7 28.2 42.2
86 68.7 50.6 76.0

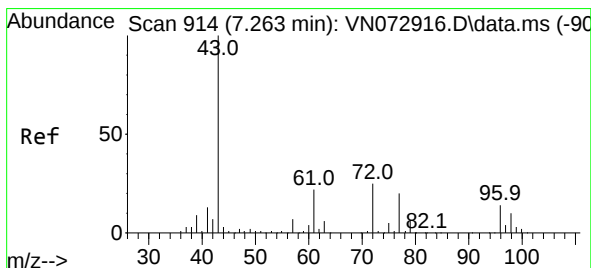
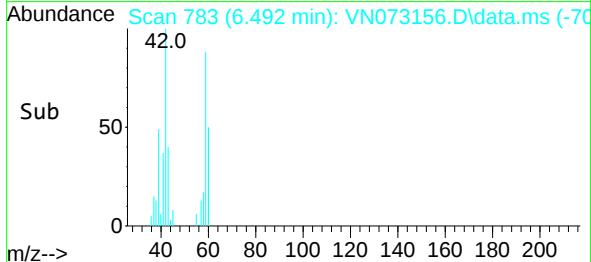
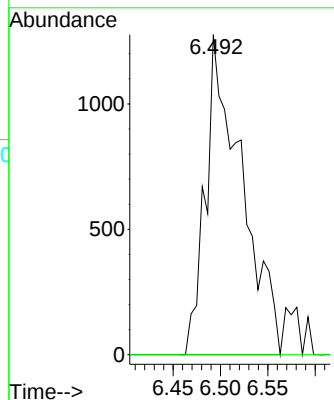
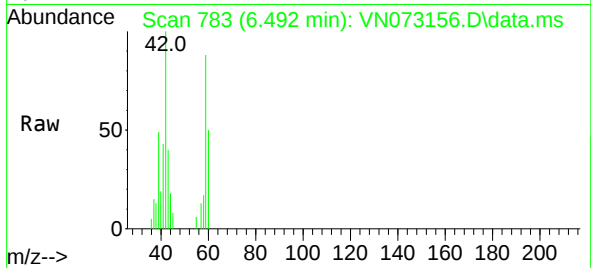




#23
 Vinyl Acetate
 Concen: 0.316 ug/l
 RT: 6.492 min Scan# 71
 Delta R.T. 0.141 min
 Lab File: VN073156.D
 Acq: 27 Jun 2022 12:47

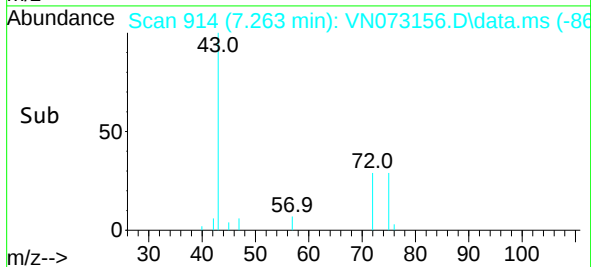
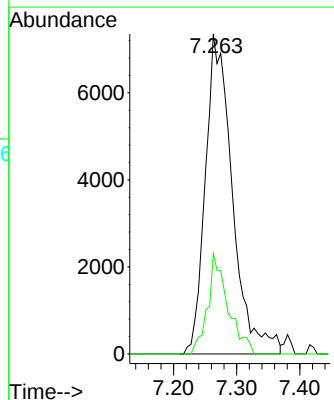
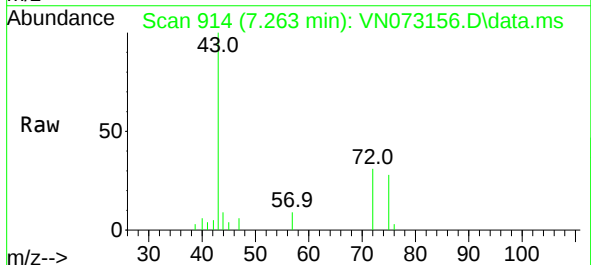
Instrument :
 MSVOA_N
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 SP-EXC-3

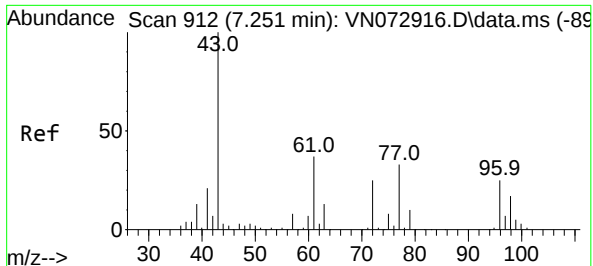
Tgt Ion: 43 Resp: 3369
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 6.119 ug/l
 RT: 7.263 min Scan# 914
 Delta R.T. 0.000 min
 Lab File: VN073156.D
 Acq: 27 Jun 2022 12:47

Tgt Ion: 43 Resp: 21884
 Ion Ratio Lower Upper
 43 100
 72 31.3 23.7 35.5





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

Instrument :

MSVOA_N

ClientSampleId :

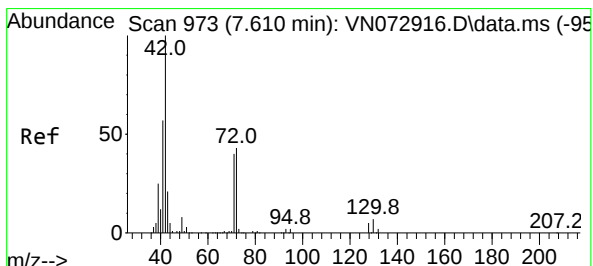
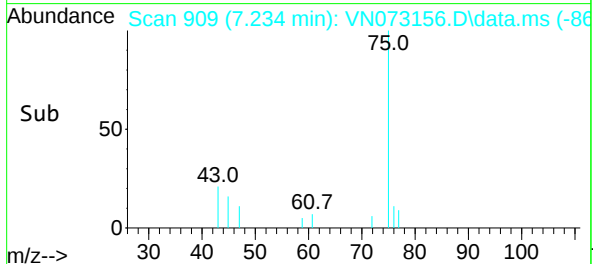
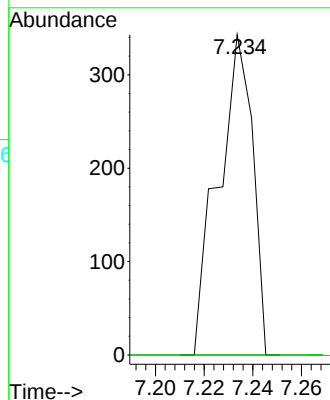
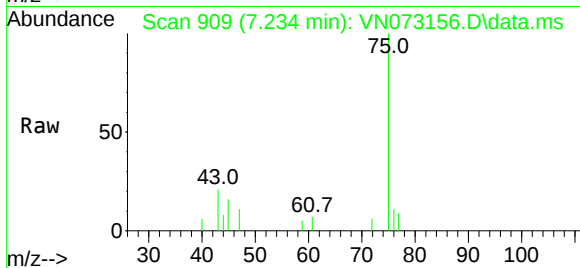
SP-EXC-3

Tgt Ion: 77 Resp: 337

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.471 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

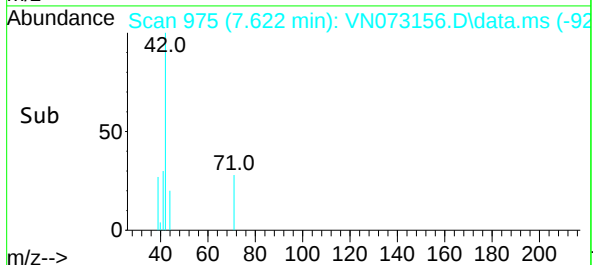
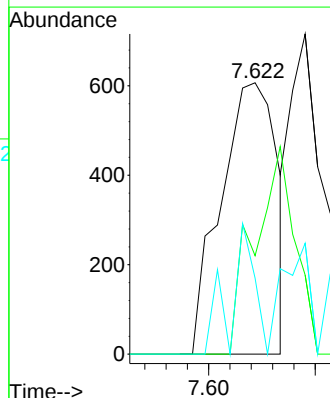
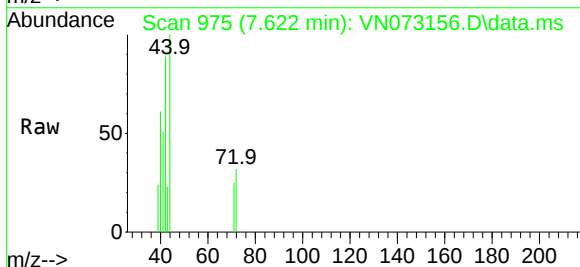
Tgt Ion: 42 Resp: 1113

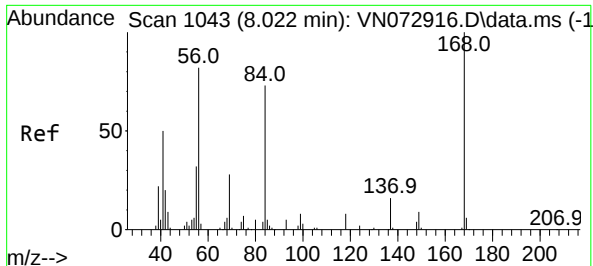
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 20.7 36.6 55.0#





#31

Cyclohexane

Concen: 1.284 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3

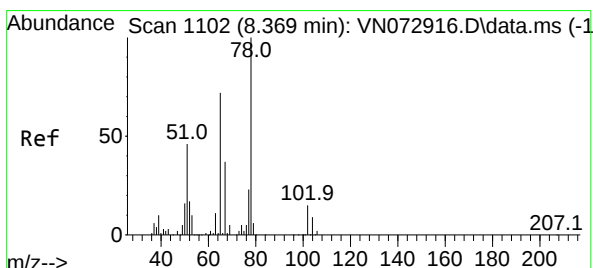
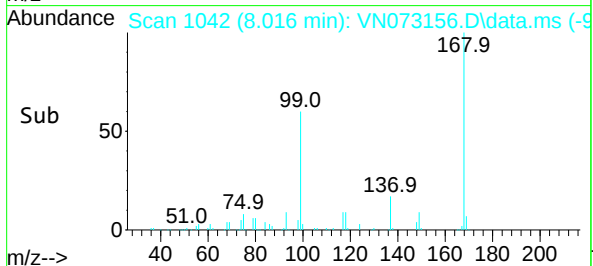
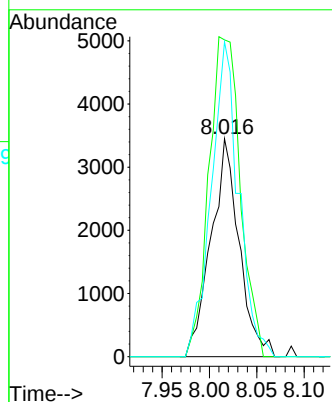
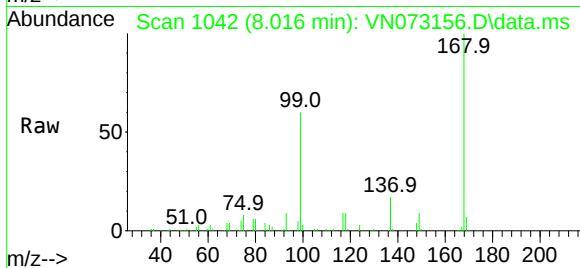
Tgt Ion: 56 Resp: 7123

Ion Ratio Lower Upper

56 100

69 145.4 27.8 41.8#

84 144.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.812 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073156.D

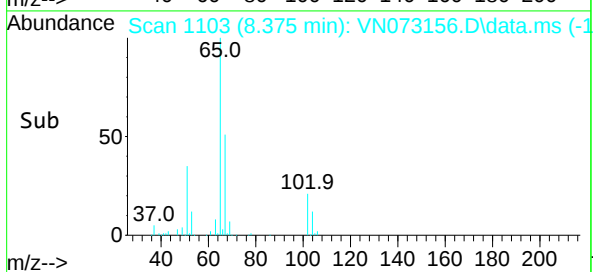
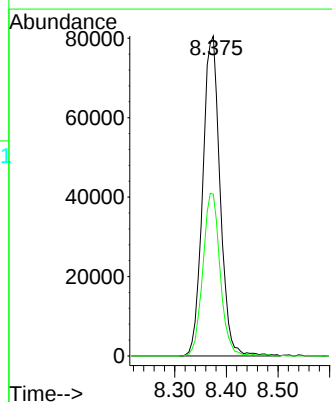
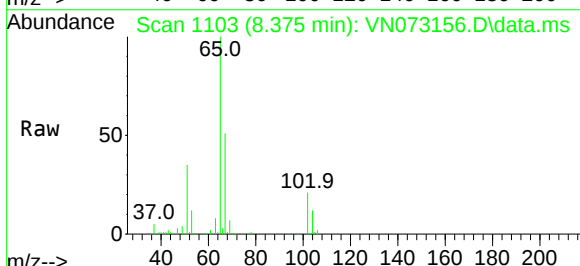
Acq: 27 Jun 2022 12:47

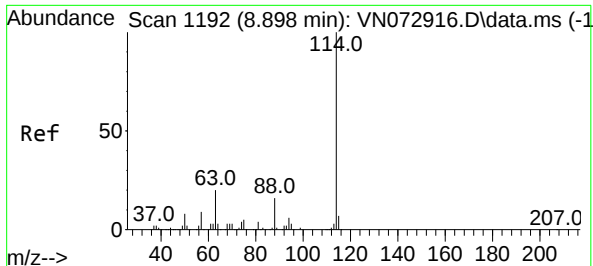
Tgt Ion: 65 Resp: 187844

Ion Ratio Lower Upper

65 100

67 50.5 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: VN073156.D

Acq: 27 Jun 2022 12:47

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3

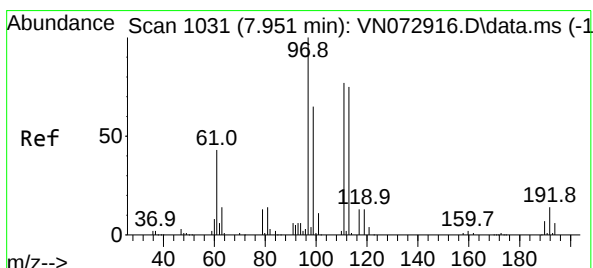
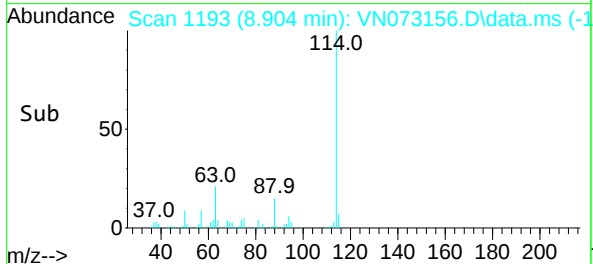
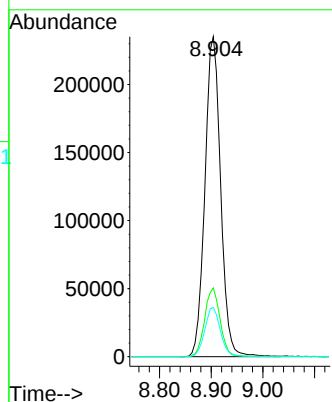
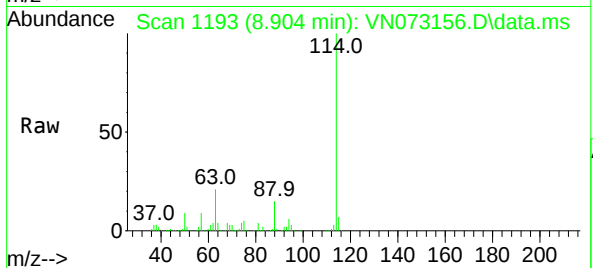
Tgt Ion:114 Resp: 496841

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 22.837 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

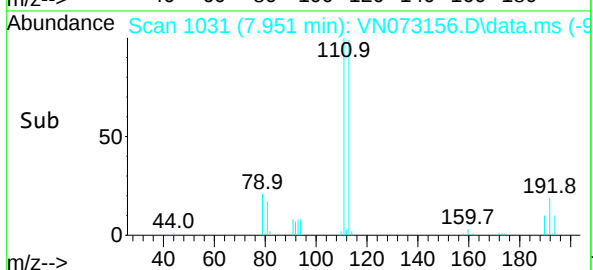
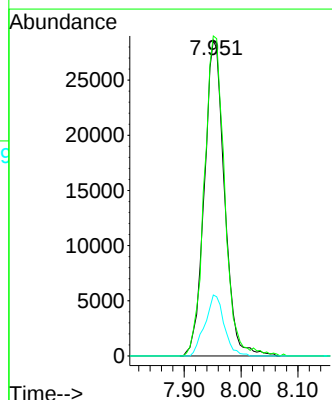
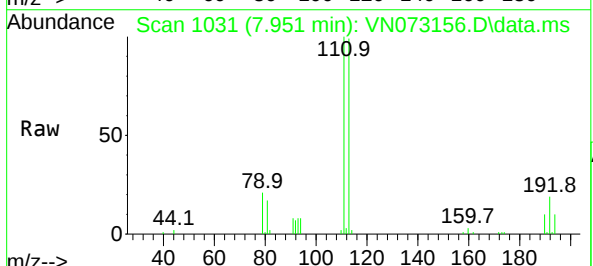
Tgt Ion:113 Resp: 70132

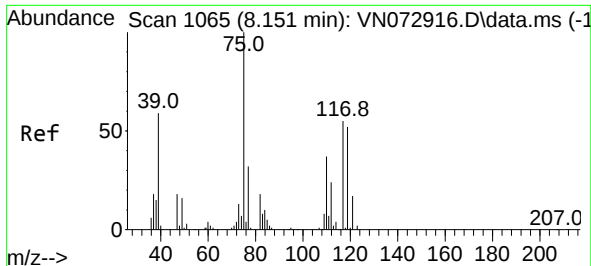
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 18.4 17.0 25.6

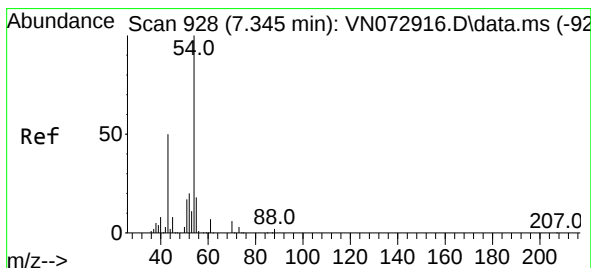
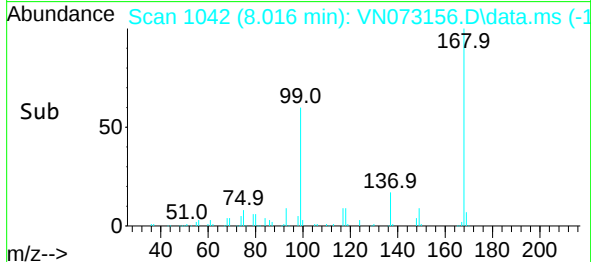
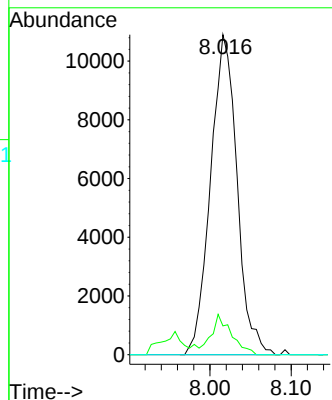
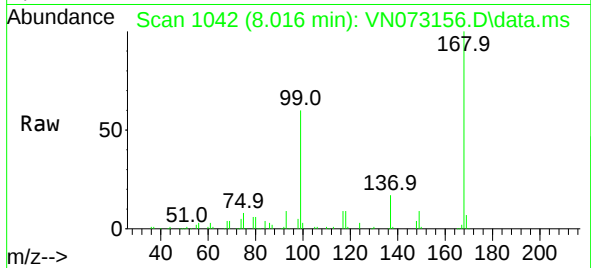




#36
1,1-Dichloropropene
Concen: 5.949 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

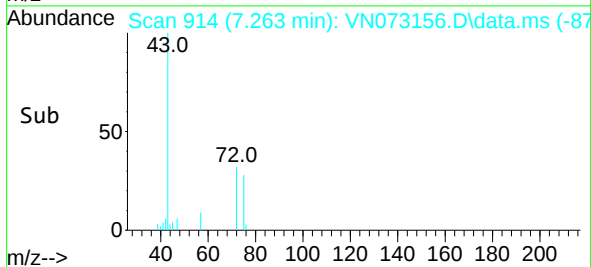
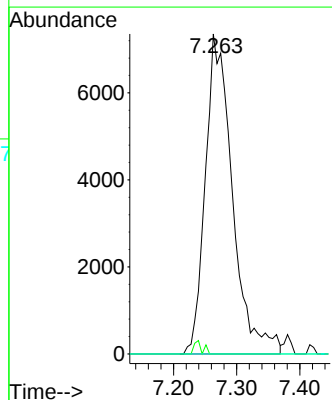
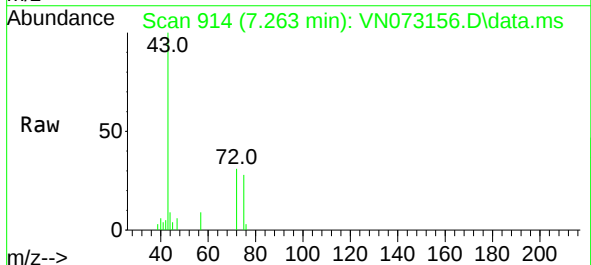
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

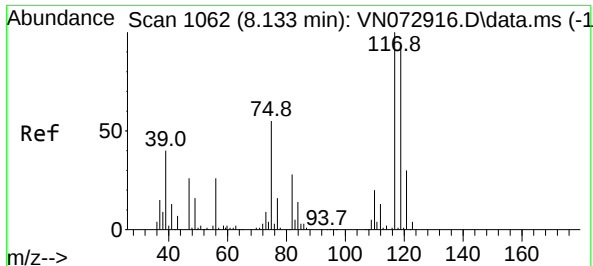
Tgt Ion: 75 Resp: 24719
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.293 ug/l
RT: 7.263 min Scan# 914
Delta R.T. -0.082 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

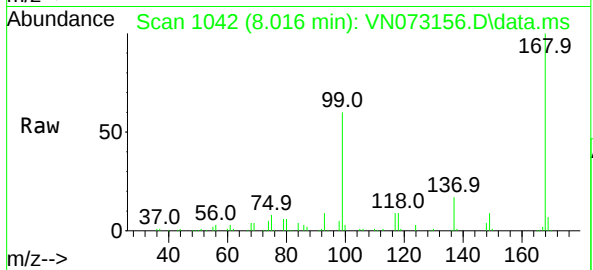
Tgt Ion: 43 Resp: 21884
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



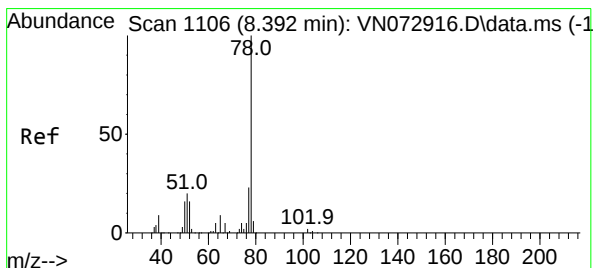
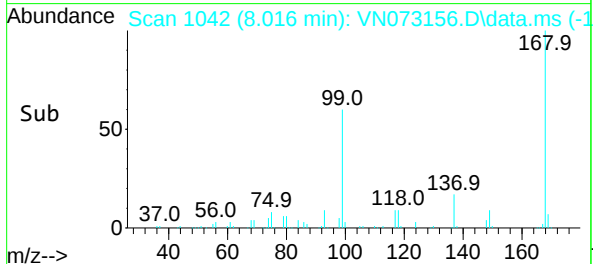
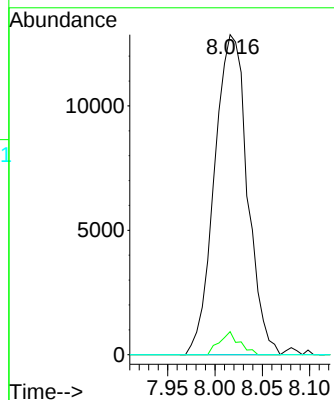


#38
Carbon Tetrachloride
Concen: 7.137 ug/l
RT: 8.016 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

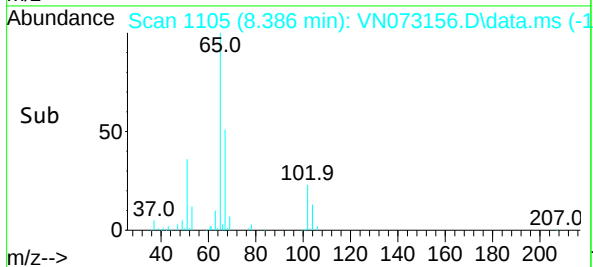
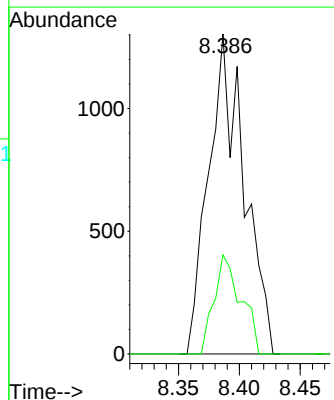
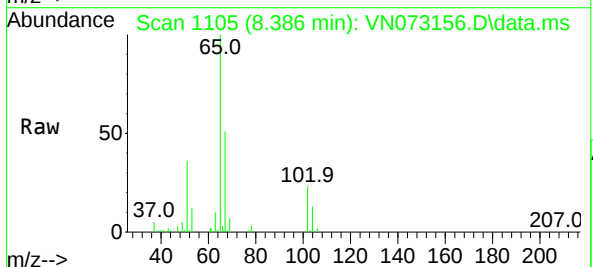


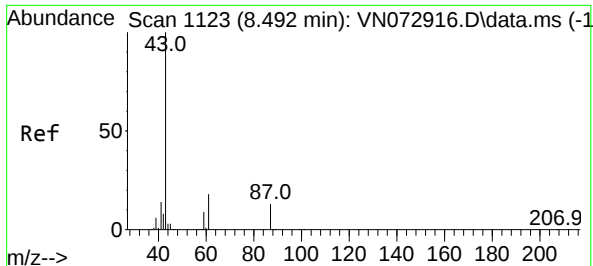
Tgt Ion:117 Resp: 31194
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.202 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

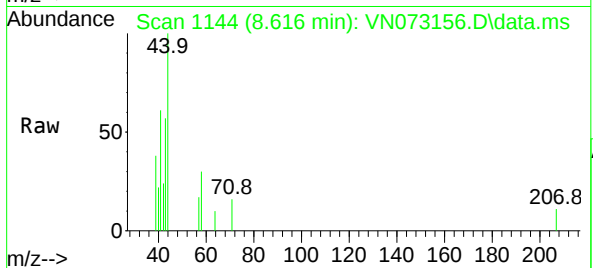
Tgt Ion: 78 Resp: 2632
Ion Ratio Lower Upper
78 100
77 31.0 19.4 29.0#



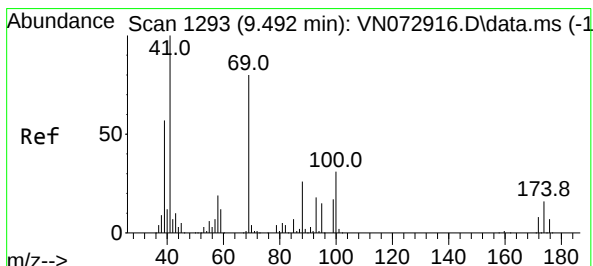
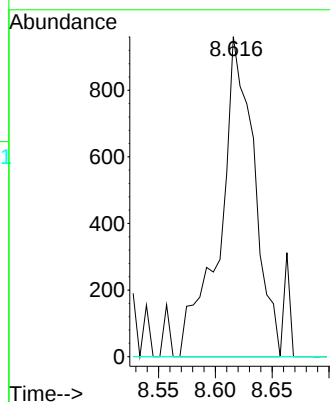
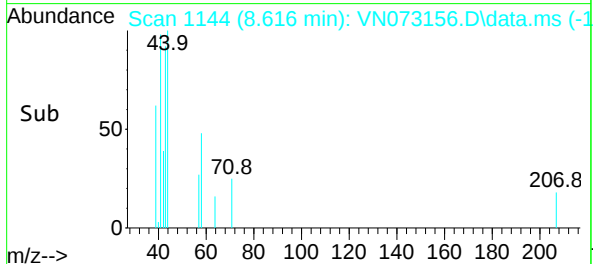


#43
Isopropyl Acetate
Concen: 0.211 ug/l
RT: 8.616 min Scan# 1144
Delta R.T. 0.124 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

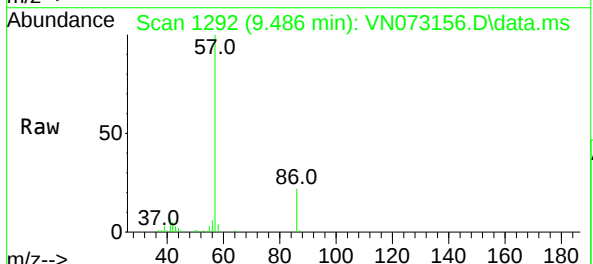
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3



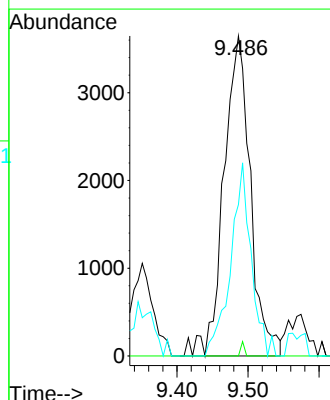
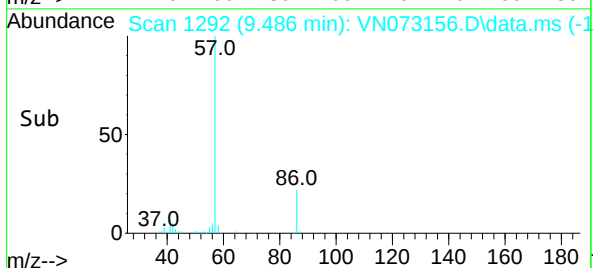
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

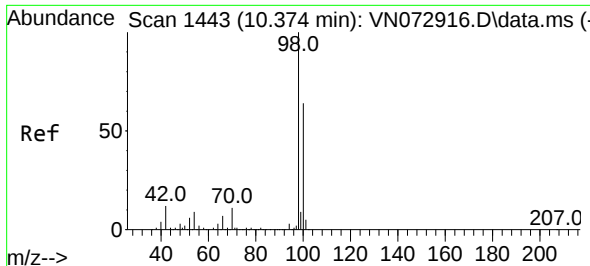


#48
Methyl methacrylate
Concen: 2.186 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.006 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47



Tgt Ion: 41 Resp: 9484
Ion Ratio Lower Upper
41 100
69 0.6 74.7 112.1#
39 46.8 45.6 68.4

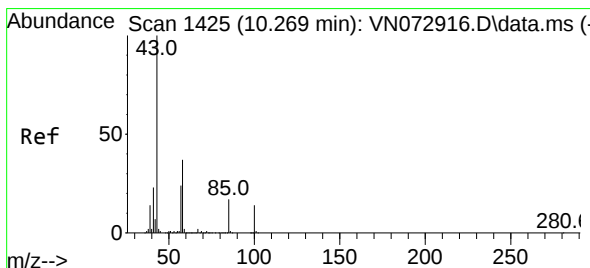
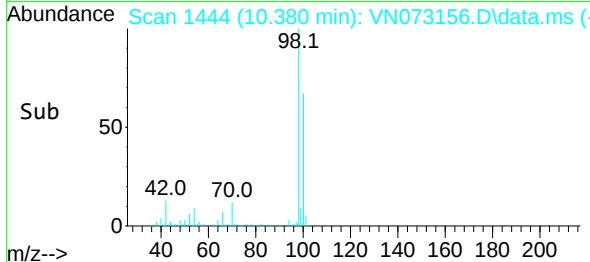
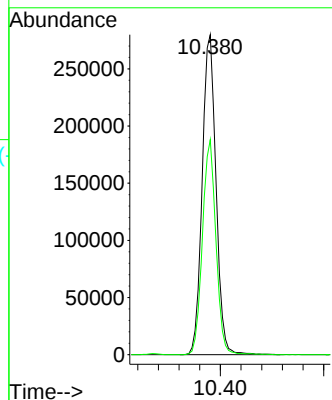
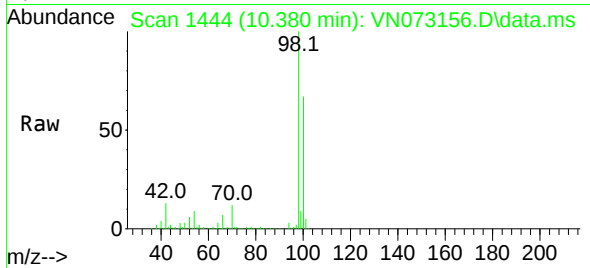




#50
Toluene-d8
Concen: 45.403 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

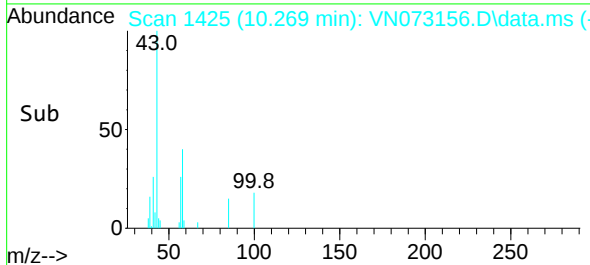
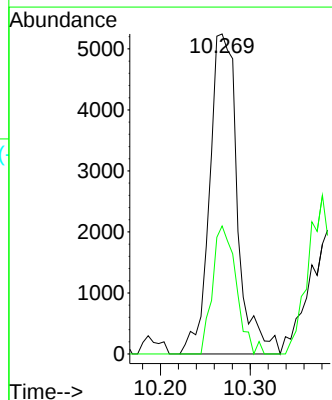
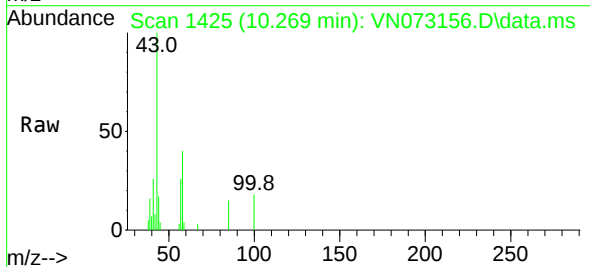
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

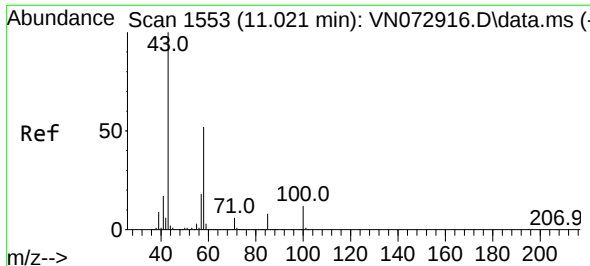
Tgt Ion: 98 Resp: 518817
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.822 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 43 Resp: 11289
Ion Ratio Lower Upper
43 100
58 34.0 34.1 51.1#

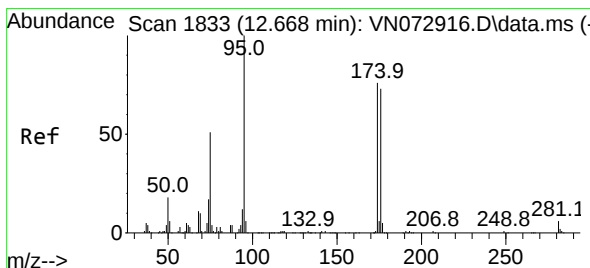
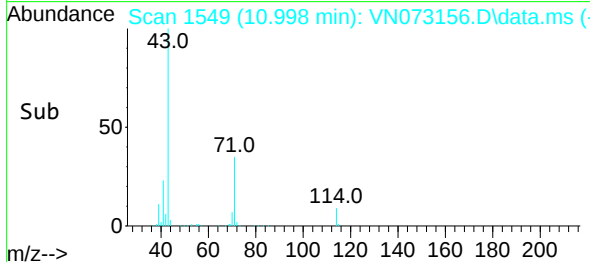
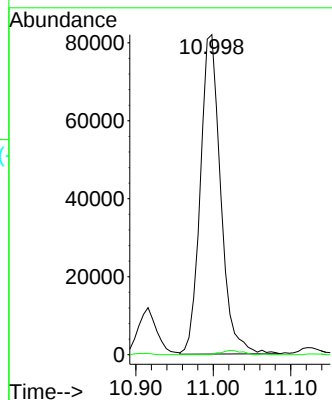
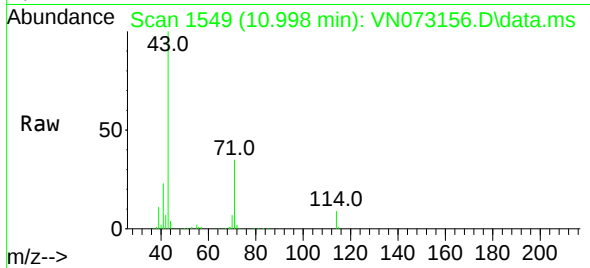




#59
2-Hexanone
Concen: 31.269 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.023 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

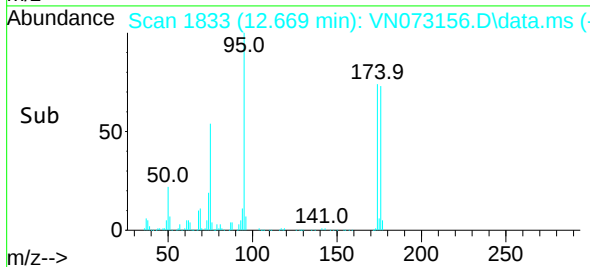
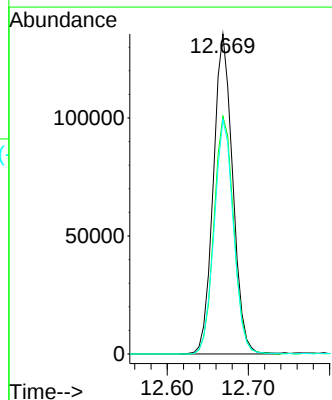
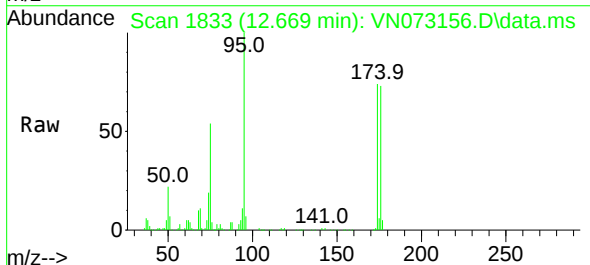
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ClientSampleId :
SP-EXC-3

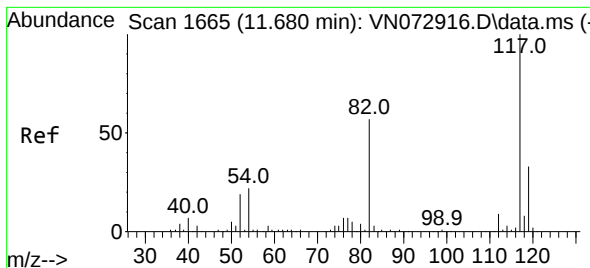
Tgt Ion: 43 Resp: 149840
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.676 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 95 Resp: 224662
Ion Ratio Lower Upper
95 100
174 75.5 0.0 167.6
176 73.1 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3

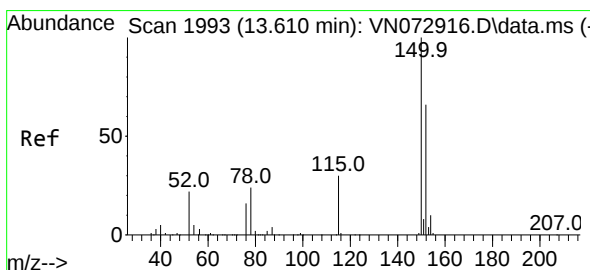
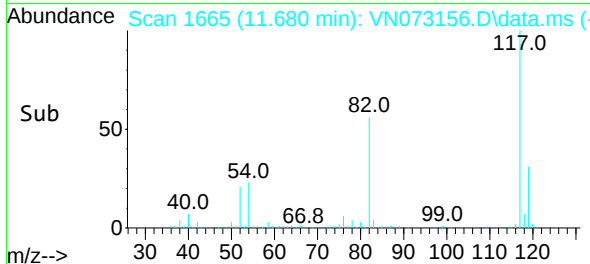
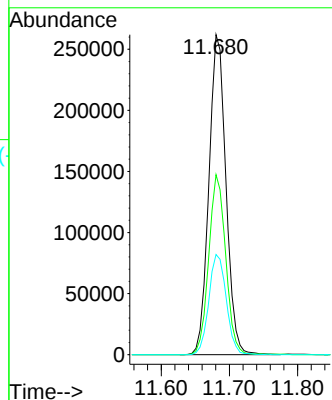
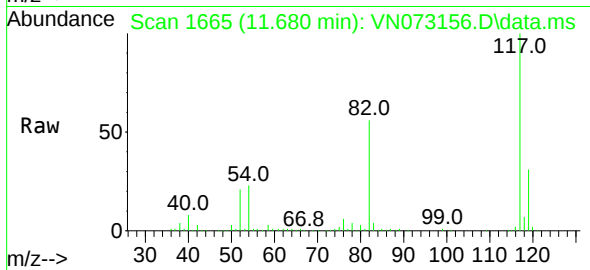
Tgt Ion:117 Resp: 456430

Ion Ratio Lower Upper

117 100

82 56.3 44.2 66.2

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073156.D

Acq: 27 Jun 2022 12:47

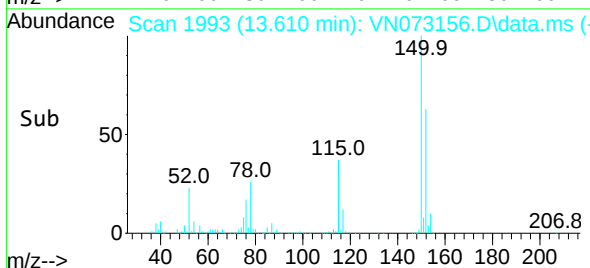
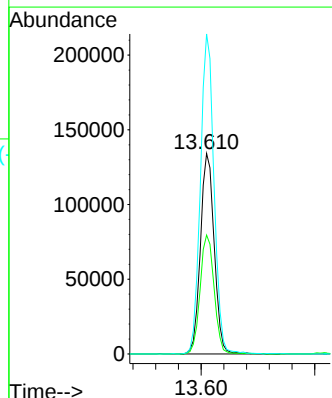
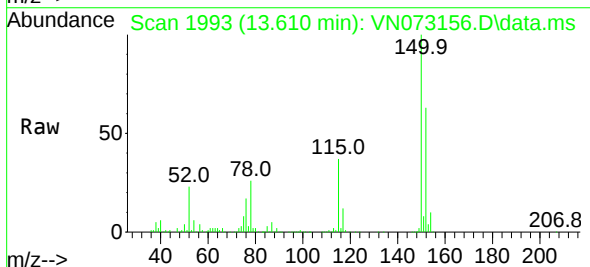
Tgt Ion:152 Resp: 226449

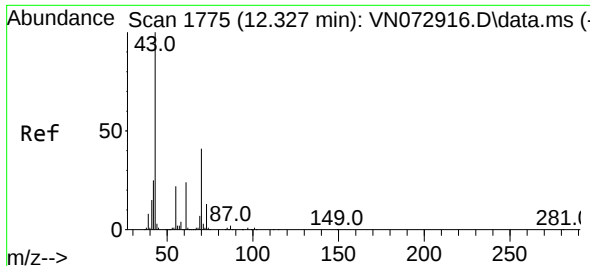
Ion Ratio Lower Upper

152 100

115 60.4 28.9 86.7

150 157.4 0.0 356.2

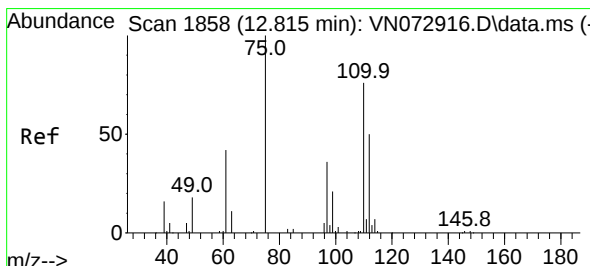
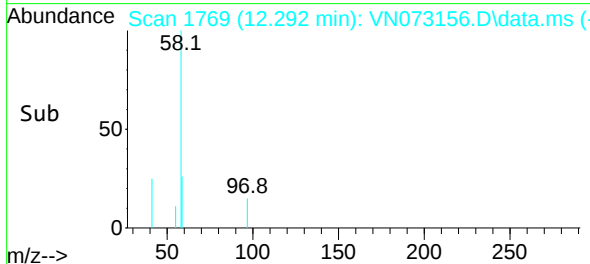
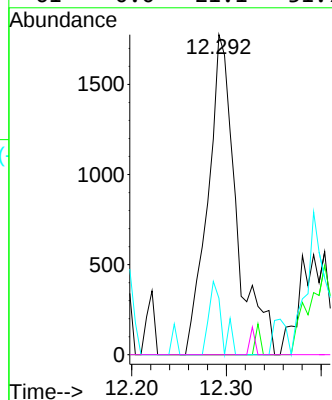
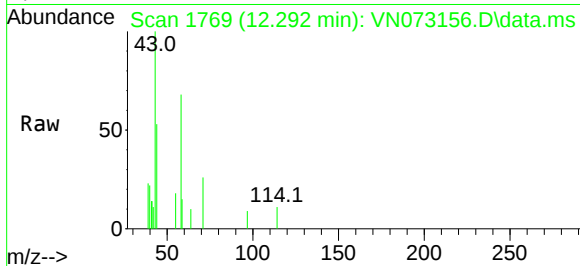




#74
N-amy1 acetate
Concen: 0.409 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

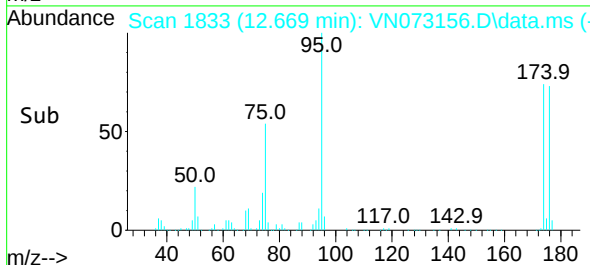
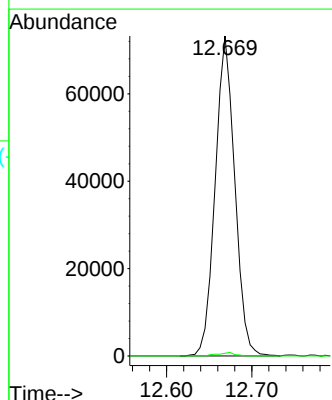
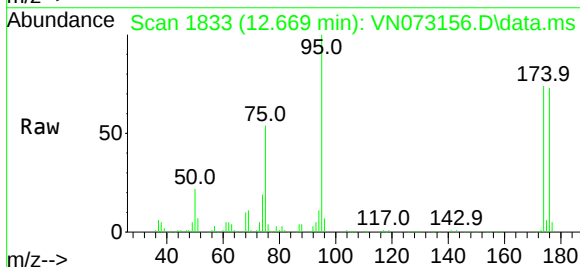
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

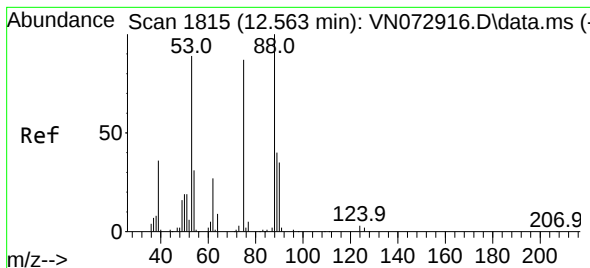
Tgt Ion: 43 Resp: 3717
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 10.5 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 21.332 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 75 Resp: 117116
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#

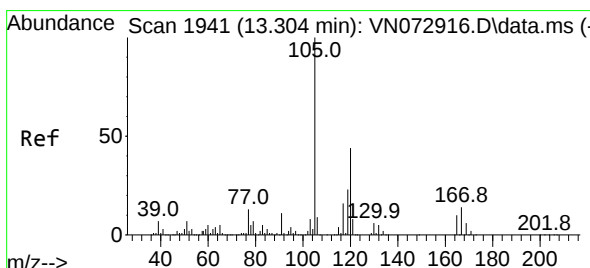
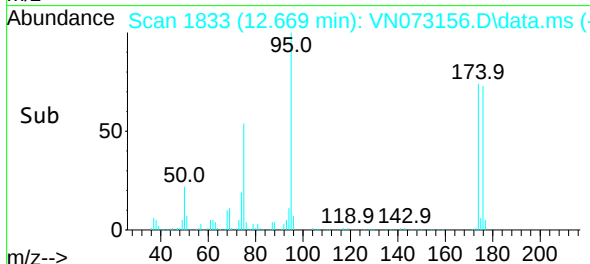
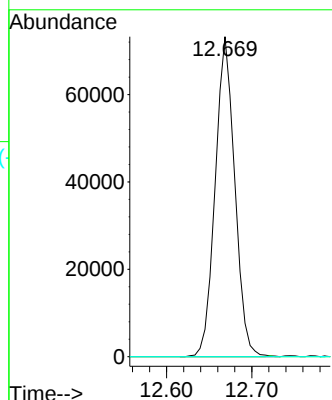
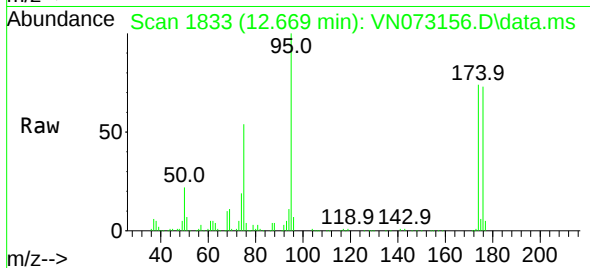




#81
trans-1,4-Dichloro-2-butene
Concen: 57.609 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

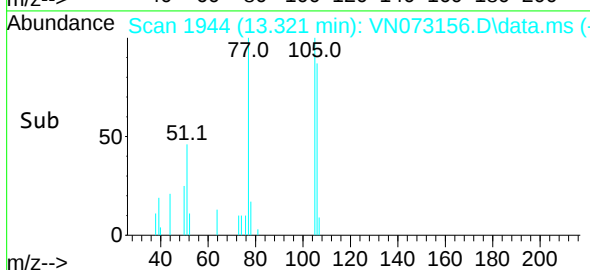
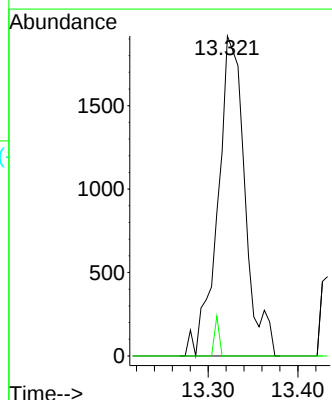
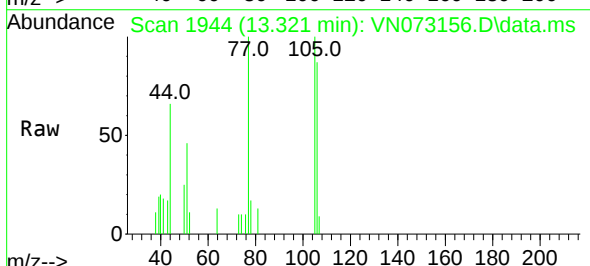
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

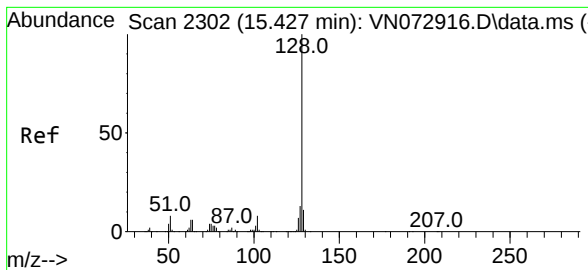
Tgt Ion: 75 Resp: 117116
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.282 ug/l
RT: 13.321 min Scan# 1944
Delta R.T. 0.018 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Tgt Ion: 105 Resp: 4036
Ion Ratio Lower Upper
105 100
120 2.1 23.3 69.8#





#95
Naphthalene
Concen: 0.367 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073156.D
Acq: 27 Jun 2022 12:47

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3

Tgt Ion:	128	Resp:	6425
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.3	15.5
129	7.5	8.6	13.0#

