

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062722\
 Data File : VN073171.D
 Acq On : 27 Jun 2022 18:54
 Operator : JC\MD
 Sample : N3494-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-3RE

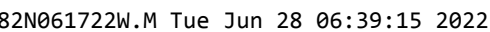
Quant Time: Jun 28 06:39:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

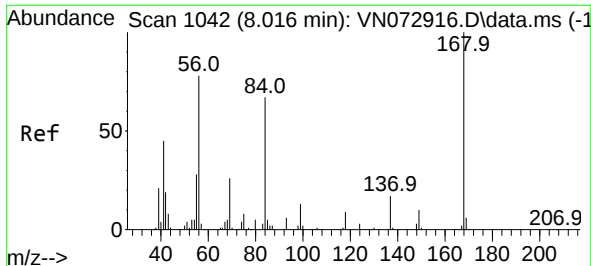
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	322188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	518942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	463792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	224437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191986	44.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.140%		
35) Dibromofluoromethane	7.957	113	76348	23.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	47.600%#		
50) Toluene-d8	10.381	98	540873	45.317	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.669	95	233326	54.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.740%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	658	0.767	ug/l #	88
11) Tert butyl alcohol	5.299	59	594	0.528	ug/l	96
13) Acrolein	3.993	56	129	0.291	ug/l #	80
16) Acetone	4.228	43	104533	43.657	ug/l	92
17) Carbon Disulfide	4.457	76	2704	0.342	ug/l #	81
18) Methyl Acetate	4.799	43	2688	0.422	ug/l #	53
20) Methylene Chloride	5.022	84	50425	13.400	ug/l	92
23) Vinyl Acetate	6.510	43	3739	0.330	ug/l #	68
25) 2-Butanone	7.275	43	23993	6.315	ug/l #	86
26) 2,2-Dichloropropane	7.245	77	223	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	2291	0.913	ug/l #	63
31) Cyclohexane	8.010	56	7759	1.317	ug/l #	4
36) 1,1-Dichloropropene	8.016	75	24375	5.616	ug/l #	50
37) Ethyl Acetate	7.275	43	23993	3.456	ug/l #	67
38) Carbon Tetrachloride	8.016	117	33506	7.339	ug/l #	15
40) Benzene	8.392	78	3080	0.226	ug/l #	62
48) Methyl methacrylate	9.486	41	9577	2.114	ug/l #	38
49) 1,4-Dioxane	9.498	88	78	0.765	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	12107	1.871	ug/l	90
59) 2-Hexanone	10.998	43	160003	31.968	ug/l #	21
74) N-amyl acetate	12.286	43	5458	0.606	ug/l #	49
76) 1,2,3-Trichloropropane	12.669	75	123062	22.616	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.504	75	17270	8.571	ug/l #	23
84) 1,2,4-Trimethylbenzene	13.327	105	7404	0.521	ug/l #	31
90) Hexachloroethane	14.163	117	583	0.219	ug/l #	9
95) Naphthalene	15.433	128	12935	0.746	ug/l #	84

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

Quant Time: Jun 28 06:39:11 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

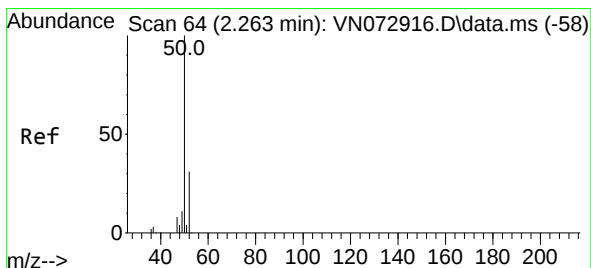
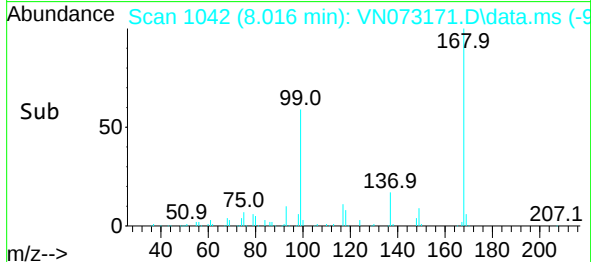
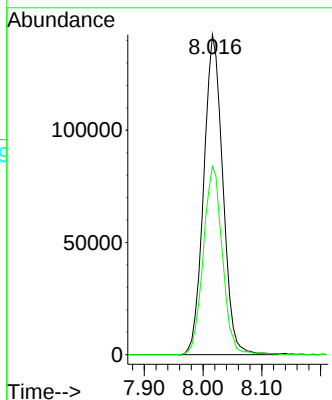
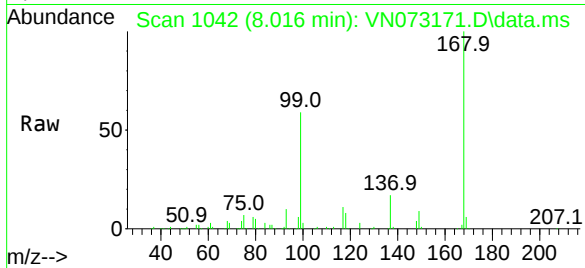




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

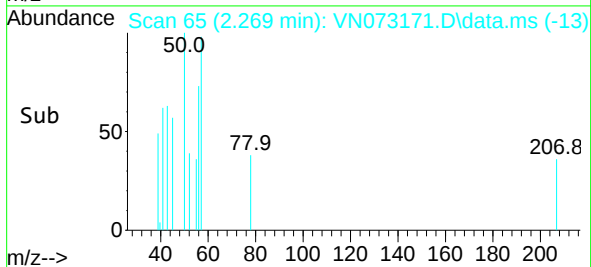
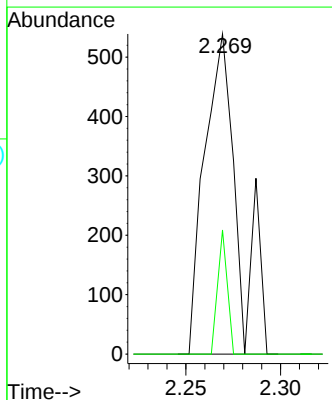
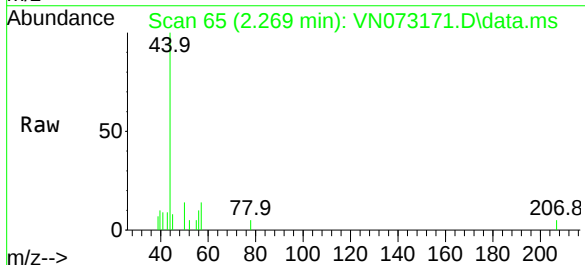
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

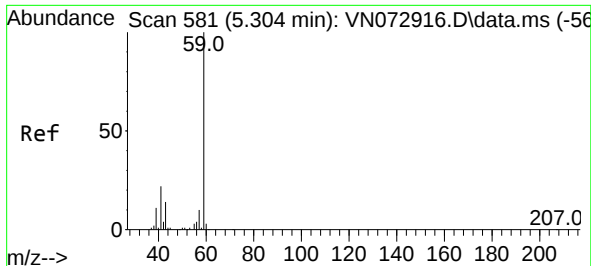
Tgt Ion:168 Resp: 322188
Ion Ratio Lower Upper
168 100
99 58.7 42.3 63.5



#3
Chloromethane
Concen: 0.767 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 38.8 25.7 38.5#





#11

Tert butyl alcohol

Concen: 0.528 ug/l

RT: 5.299 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN073171.D

Acq: 27 Jun 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

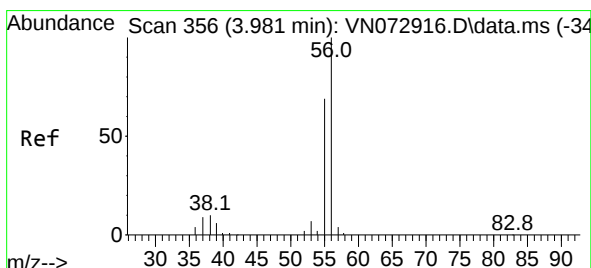
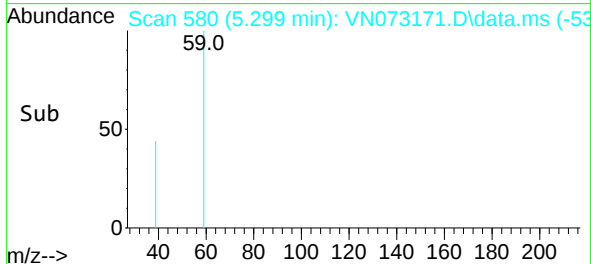
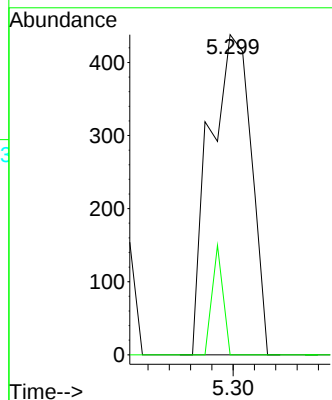
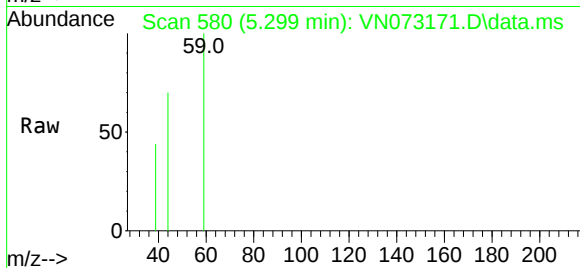
SP-EXC-3RE

Tgt Ion: 59 Resp: 594

Ion Ratio Lower Upper

59 100

57 8.9 8.3 12.5



#13

Acrolein

Concen: 0.291 ug/l

RT: 3.993 min Scan# 358

Delta R.T. 0.012 min

Lab File: VN073171.D

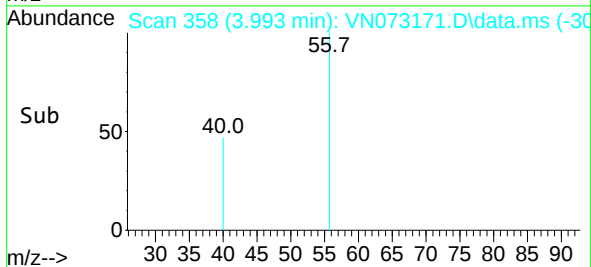
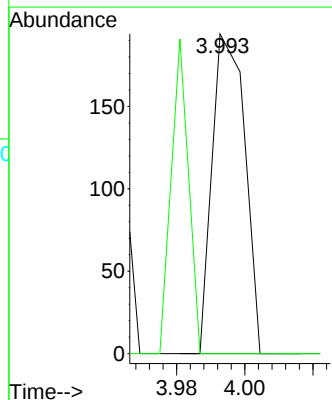
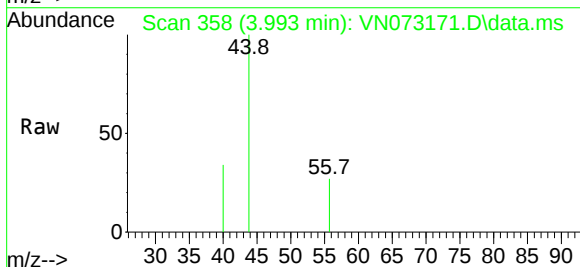
Acq: 27 Jun 2022 18:54

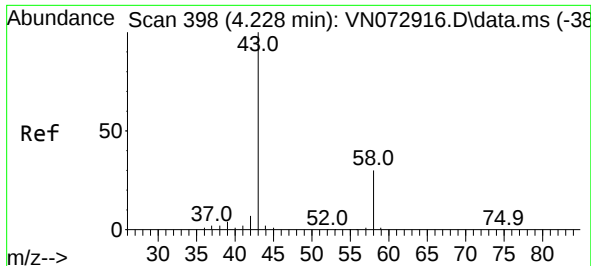
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 51.9 54.8 82.2#

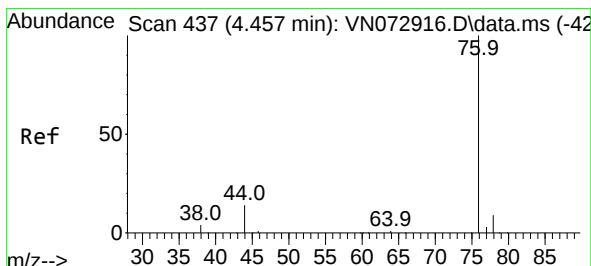
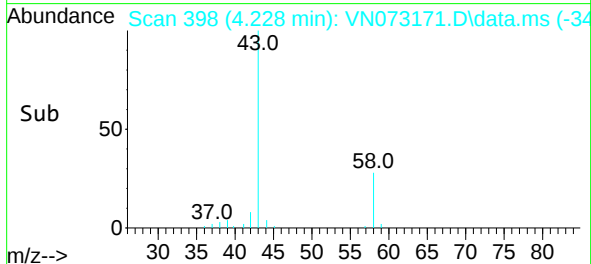
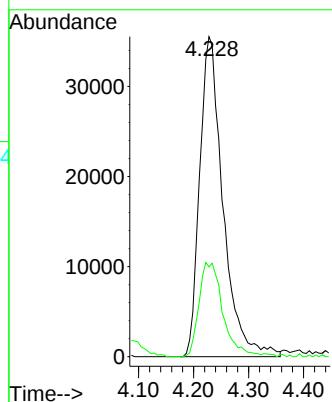
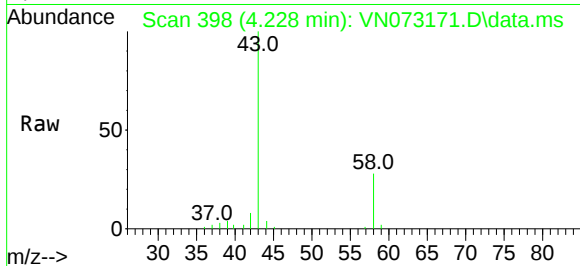




#16
Acetone
Concen: 43.657 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

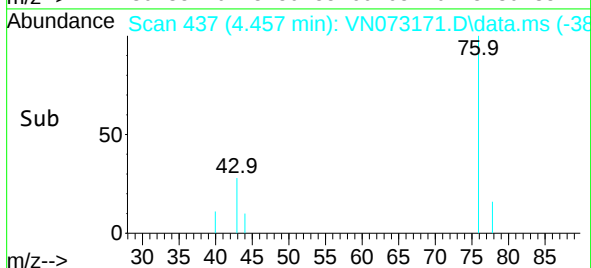
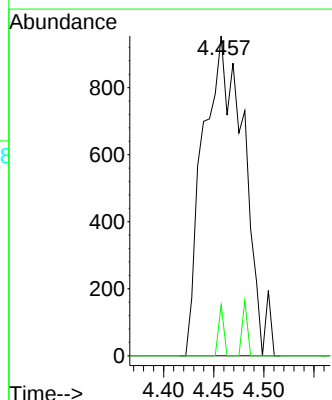
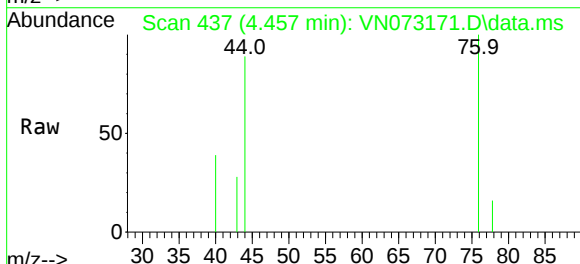
Instrument :
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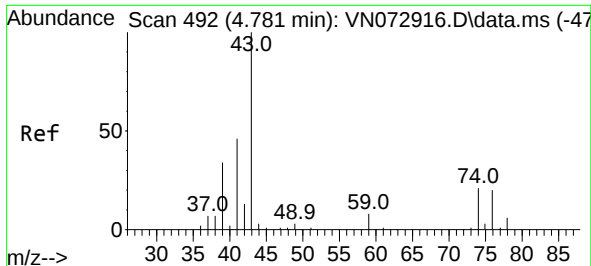
Tgt Ion: 43 Resp: 104533
Ion Ratio Lower Upper
43 100
58 28.0 26.0 39.0



#17
Carbon Disulfide
Concen: 0.342 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 76 Resp: 2704
Ion Ratio Lower Upper
76 100
78 15.9 7.2 10.8#

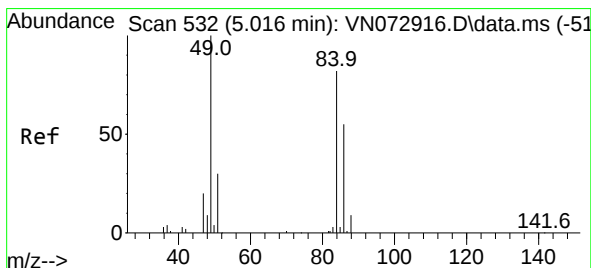
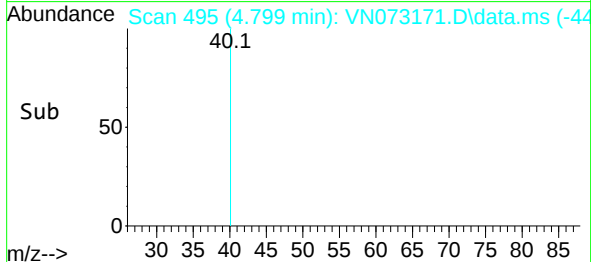
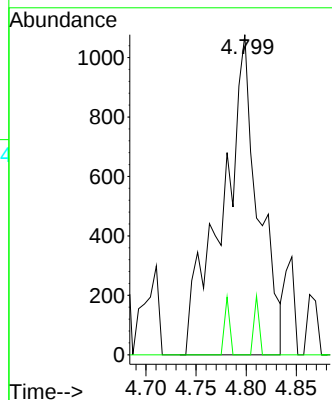
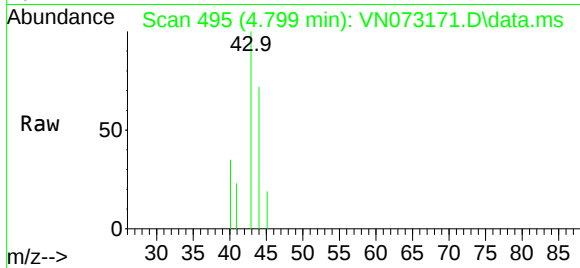




#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 4.799 min Scan# 495
Delta R.T. 0.018 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

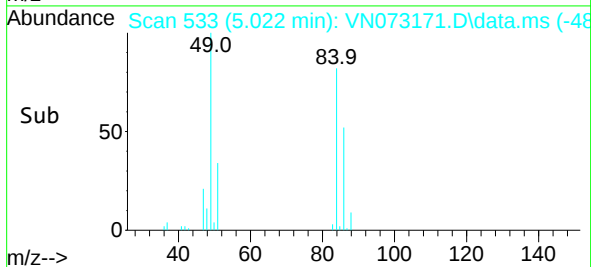
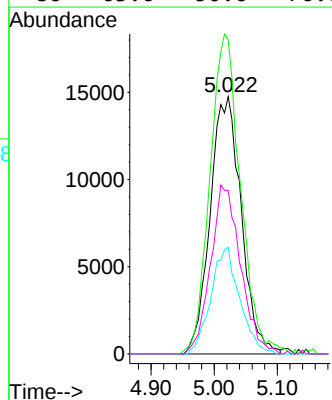
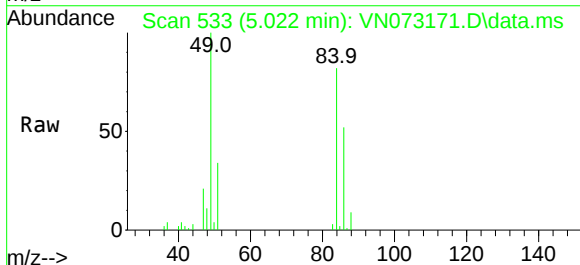
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

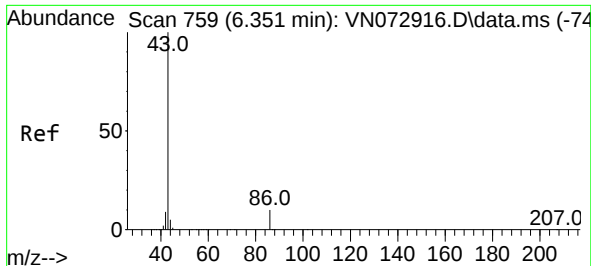
Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
74 2.6 21.6 32.4#



#20
Methylene Chloride
Concen: 13.400 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 84 Resp: 50425
Ion Ratio Lower Upper
84 100
49 122.1 88.3 132.5
51 41.5 28.2 42.2
86 63.6 50.6 76.0

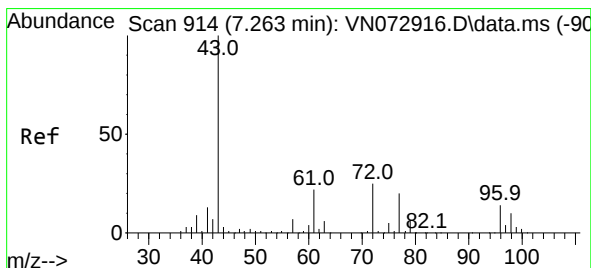
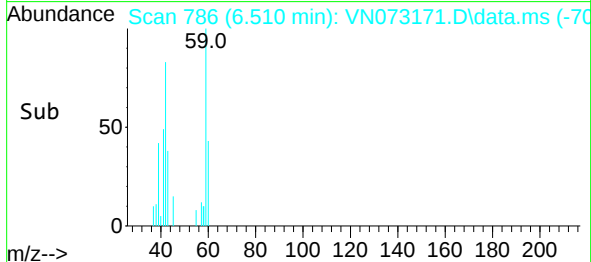
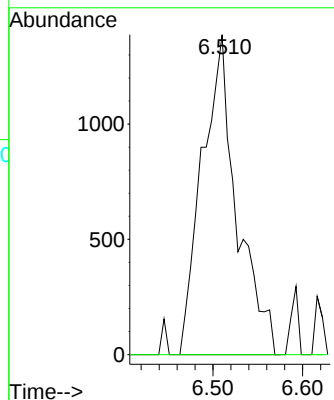
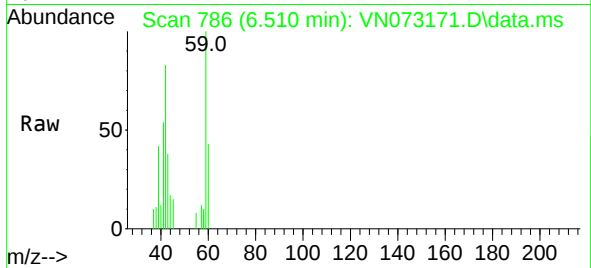




#23
 Vinyl Acetate
 Concen: 0.330 ug/l
 RT: 6.510 min Scan# 71
 Delta R.T. 0.159 min
 Lab File: VN073171.D
 Acq: 27 Jun 2022 18:54

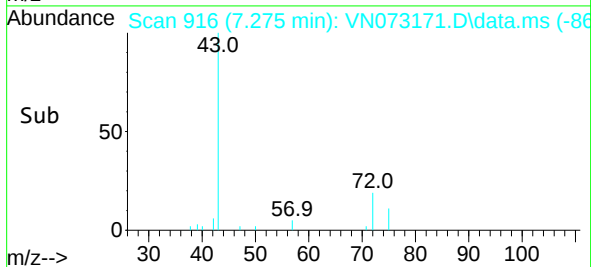
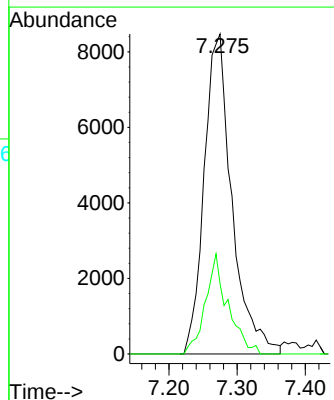
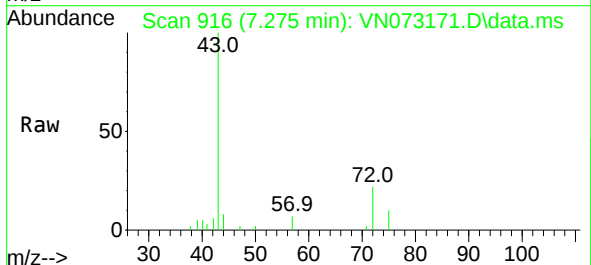
Instrument :
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 SP-EXC-3RE

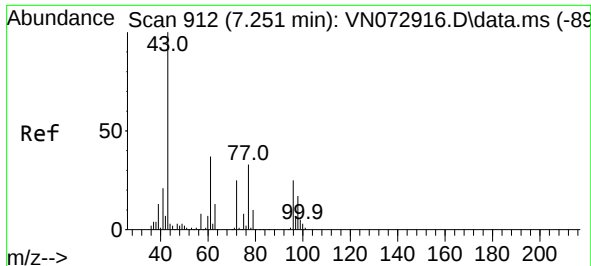
Tgt Ion: 43 Resp: 3739
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 6.315 ug/l
 RT: 7.275 min Scan# 916
 Delta R.T. 0.012 min
 Lab File: VN073171.D
 Acq: 27 Jun 2022 18:54

Tgt Ion: 43 Resp: 23993
 Ion Ratio Lower Upper
 43 100
 72 22.0 23.7 35.5#

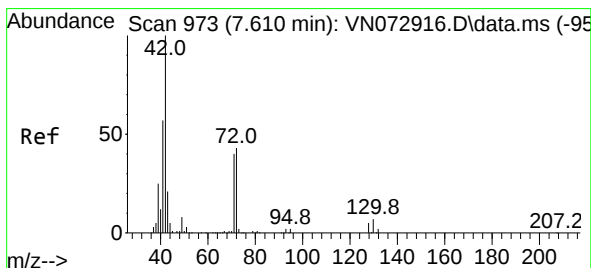
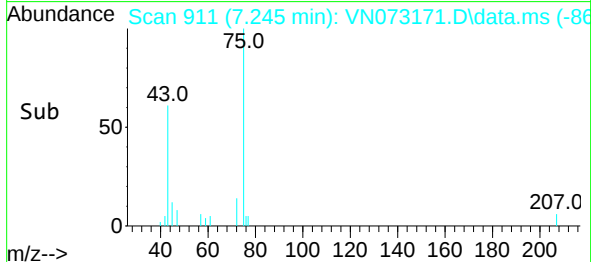
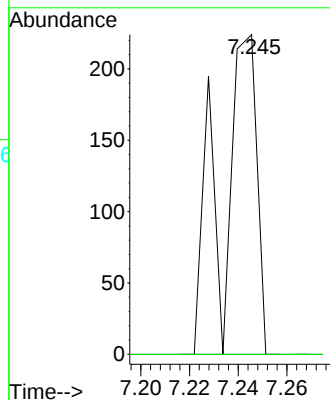
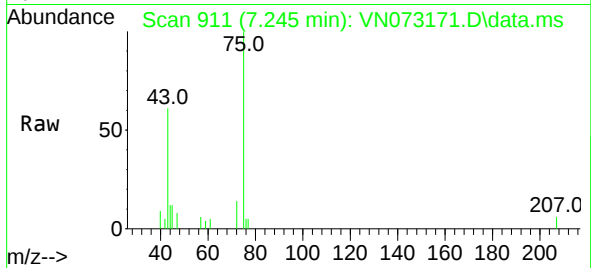




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

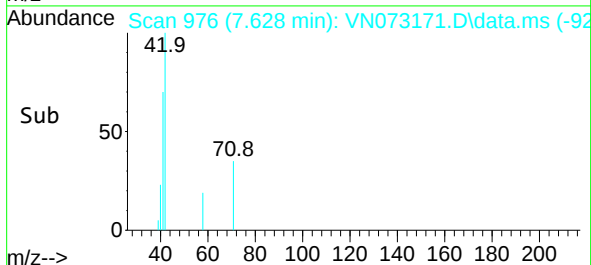
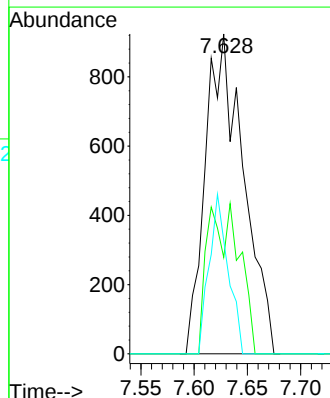
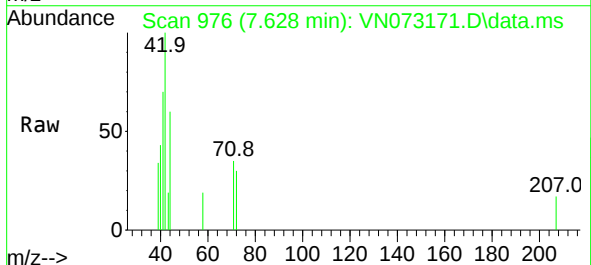
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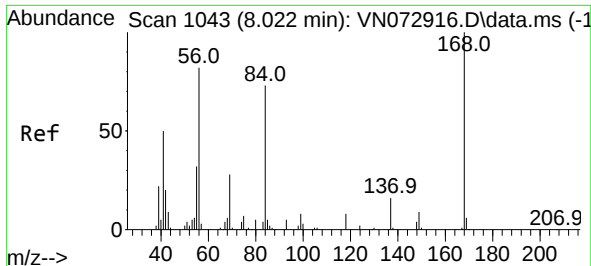
Tgt Ion: 77 Resp: 223
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.913 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

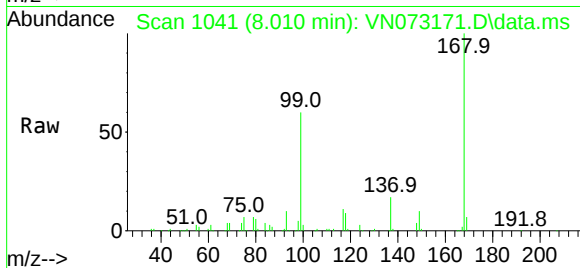
Tgt Ion: 42 Resp: 2291
Ion Ratio Lower Upper
42 100
72 21.0 39.7 59.5#
71 24.9 36.6 55.0#



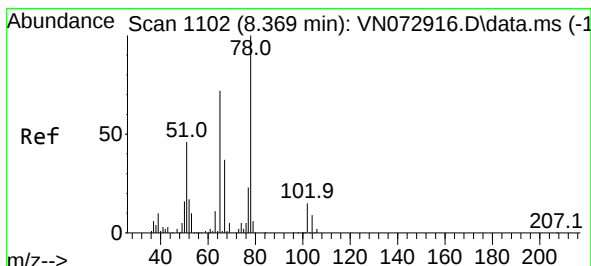
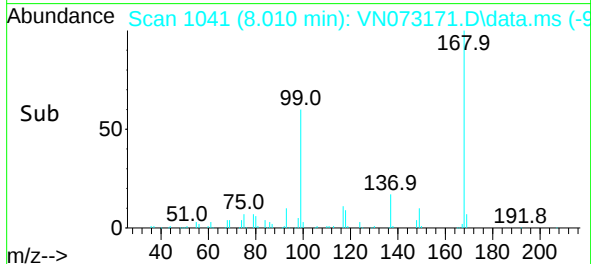
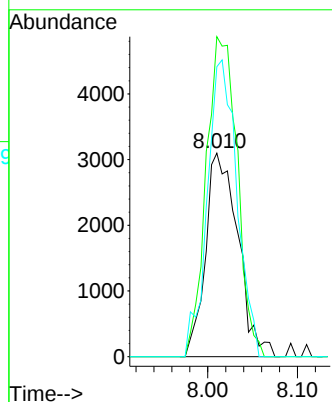


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

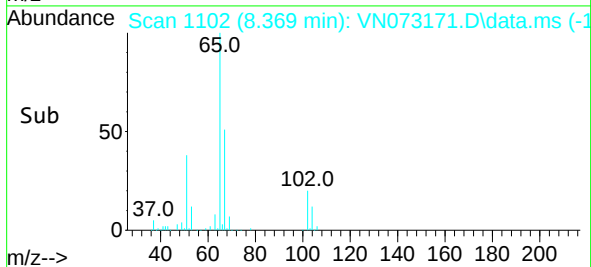
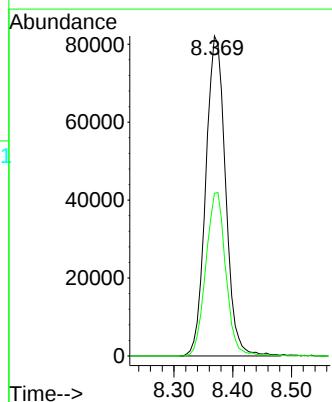
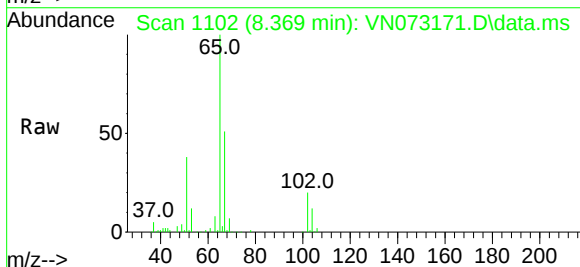


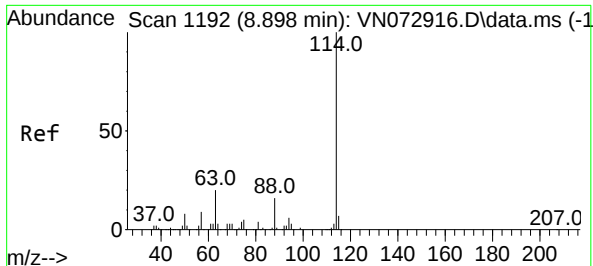
Tgt Ion: 56 Resp: 7759
Ion Ratio Lower Upper
56 100
69 157.2 27.8 41.8#
84 148.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.075 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 65 Resp: 191986
Ion Ratio Lower Upper
65 100
67 51.2 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: VN073171.D

Acq: 27 Jun 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-3RE

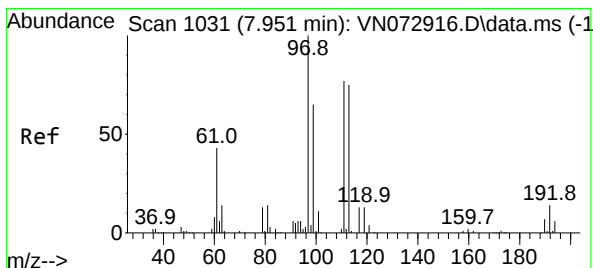
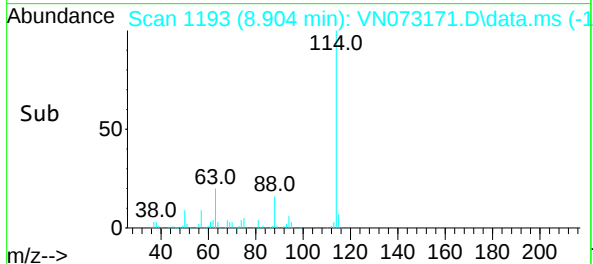
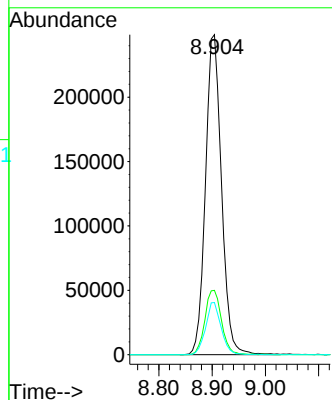
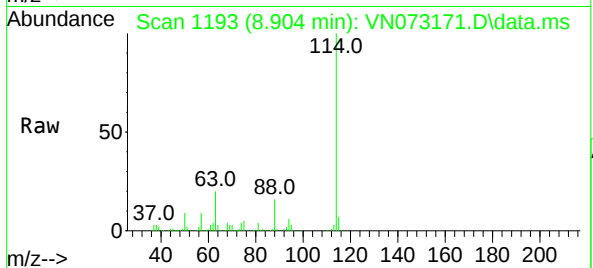
Tgt Ion:114 Resp: 518942

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 23.803 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073171.D

Acq: 27 Jun 2022 18:54

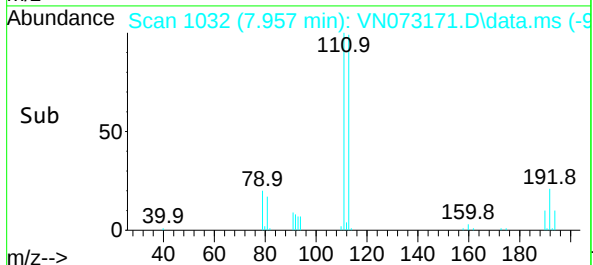
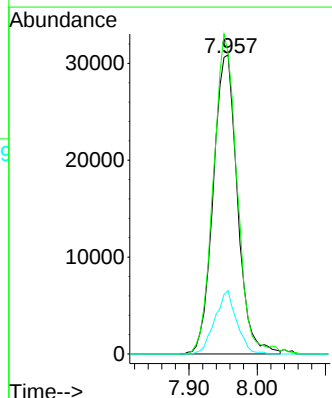
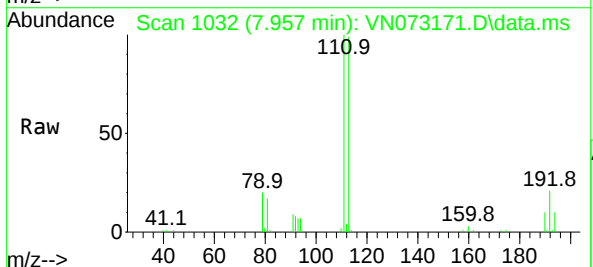
Tgt Ion:113 Resp: 76348

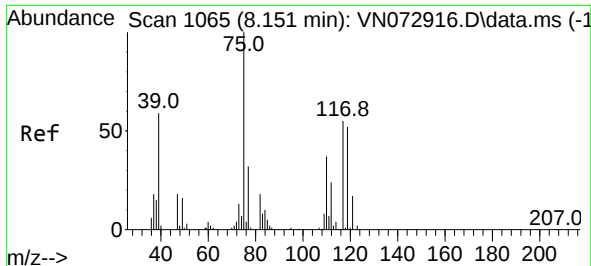
Ion Ratio Lower Upper

113 100

111 105.1 81.4 122.0

192 19.1 17.0 25.6

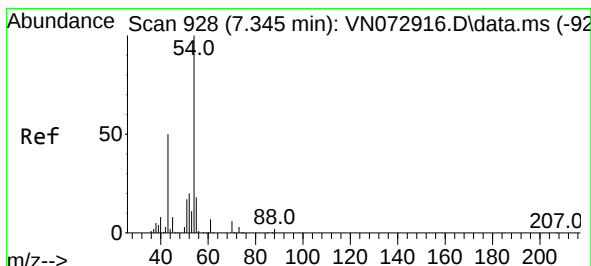
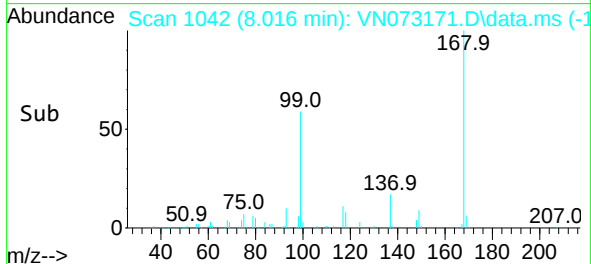
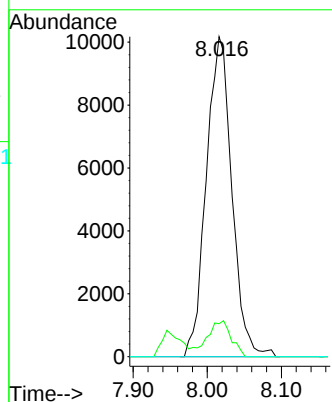
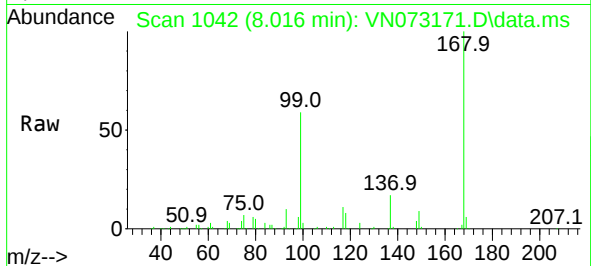




#36
1,1-Dichloropropene
Concen: 5.616 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

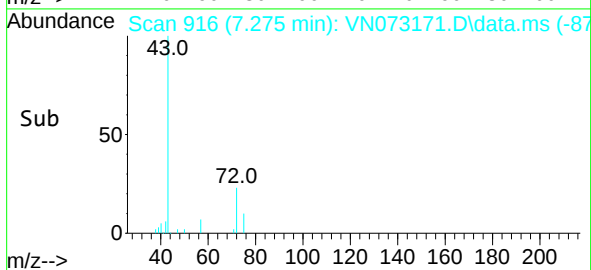
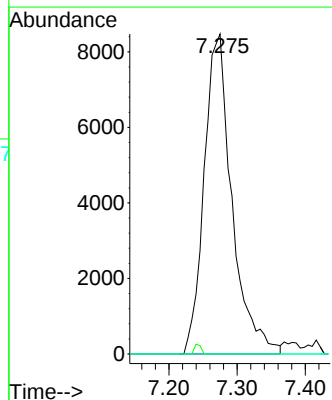
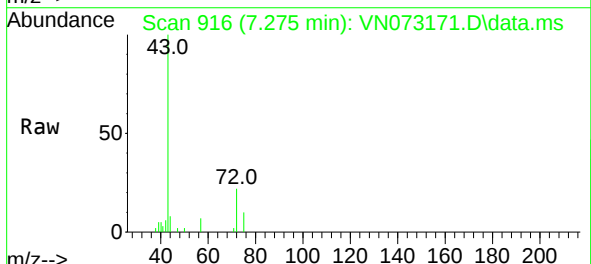
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

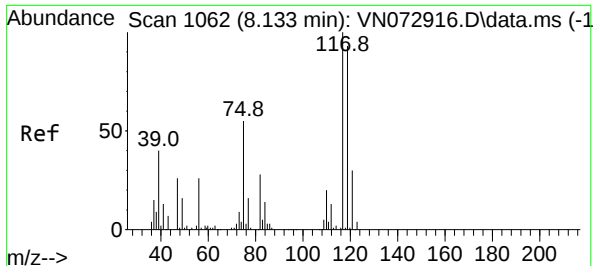
Tgt Ion: 75 Resp: 24375
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.456 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.070 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

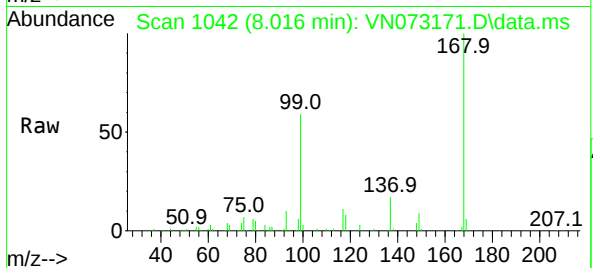
Tgt Ion: 43 Resp: 23993
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



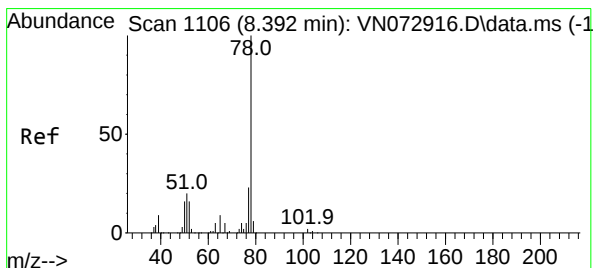
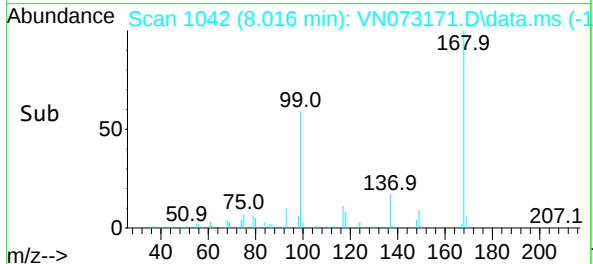
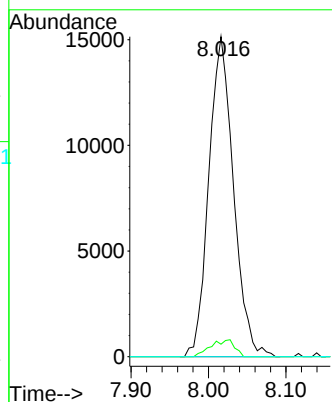


#38
Carbon Tetrachloride
Concen: 7.339 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

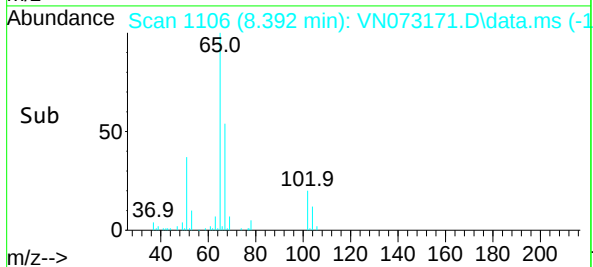
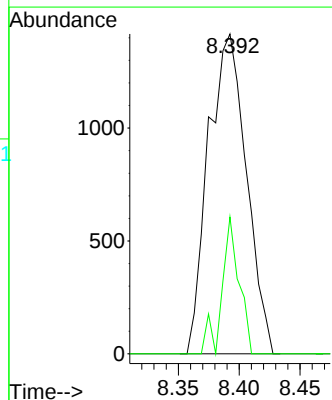
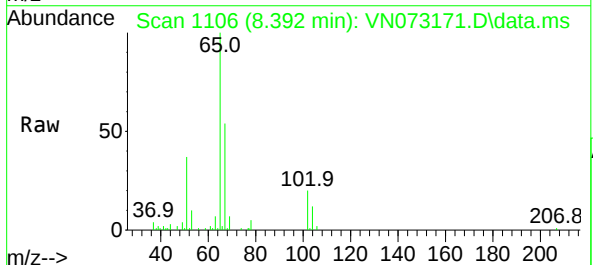


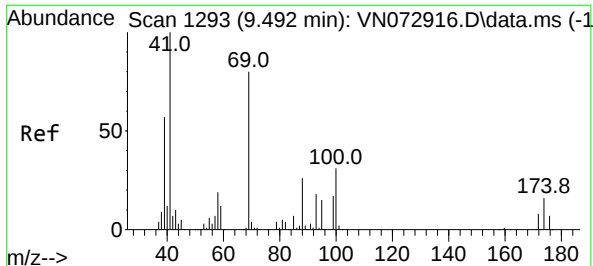
Tgt Ion:117 Resp: 33506
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.226 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 78 Resp: 3080
Ion Ratio Lower Upper
78 100
77 42.8 19.4 29.0#

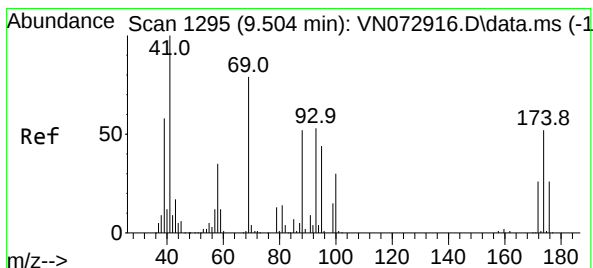
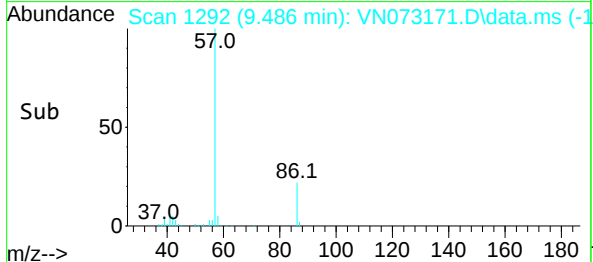
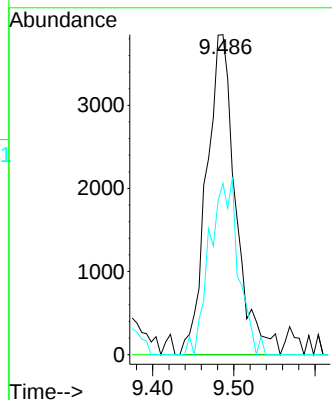
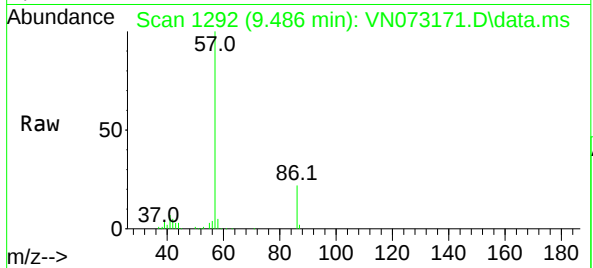




#48
Methyl methacrylate
Concen: 2.114 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

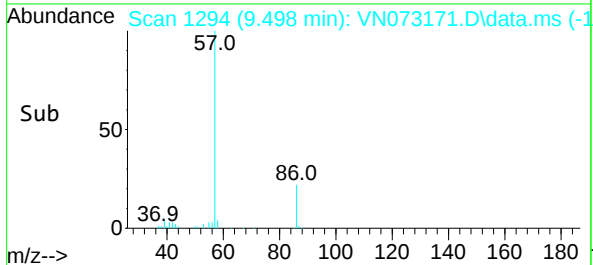
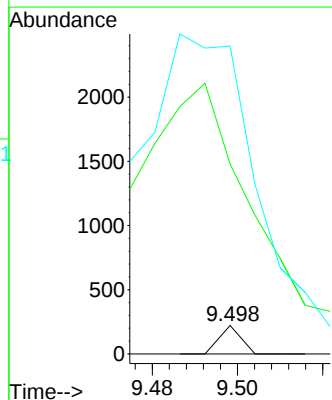
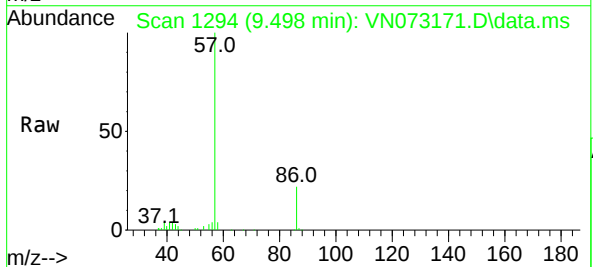
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

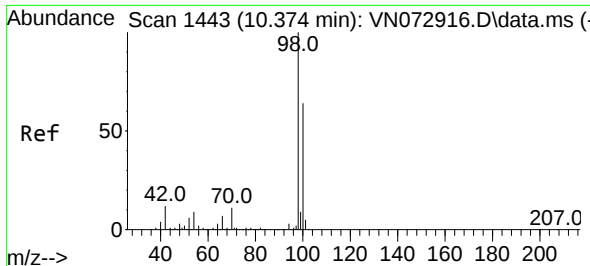
Tgt Ion: 41 Resp: 9577
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 54.6 45.6 68.4



#49
1,4-Dioxane
Concen: 0.765 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 6212.8 20.2 30.4#
58 7300.0 54.2 81.4#

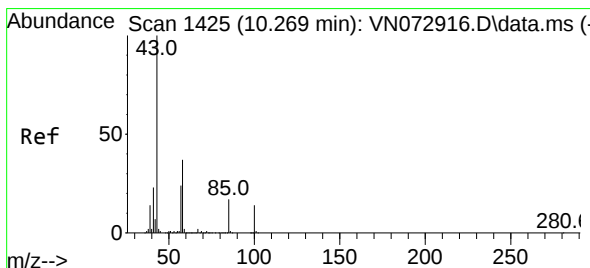
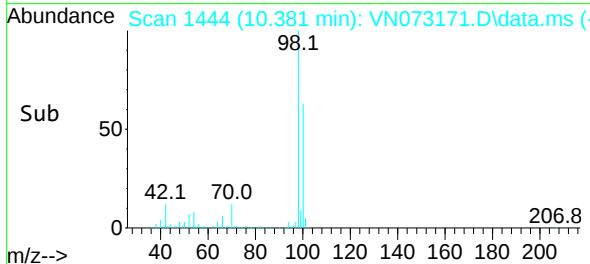
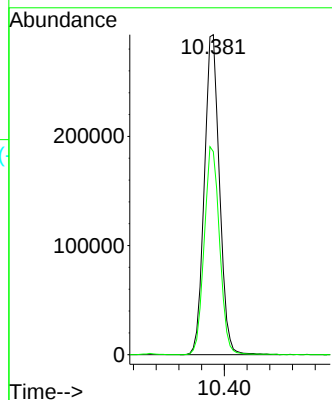
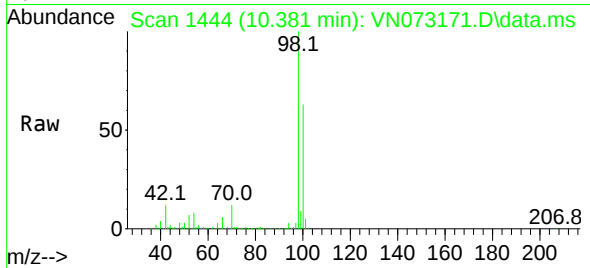




#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

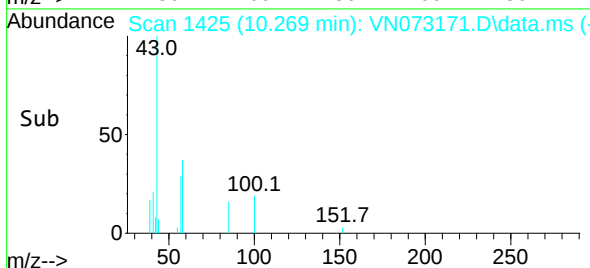
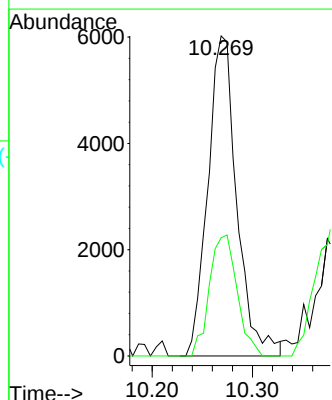
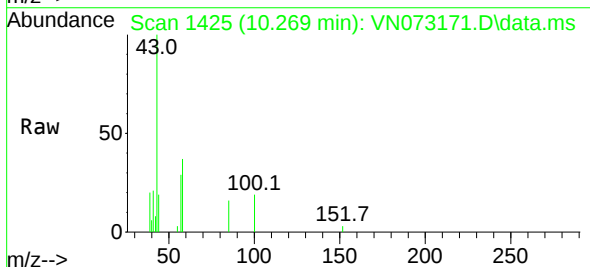
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MSVOA_N
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SP-EXC-3RE

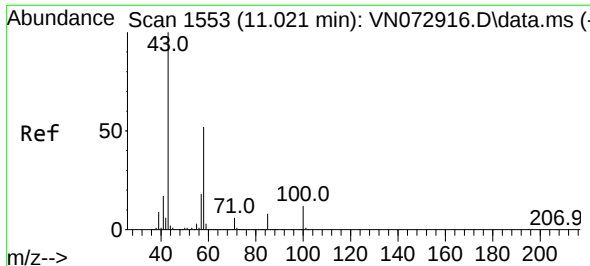
Tgt Ion: 98 Resp: 540873
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.871 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 43 Resp: 12107
Ion Ratio Lower Upper
43 100
58 35.9 34.1 51.1

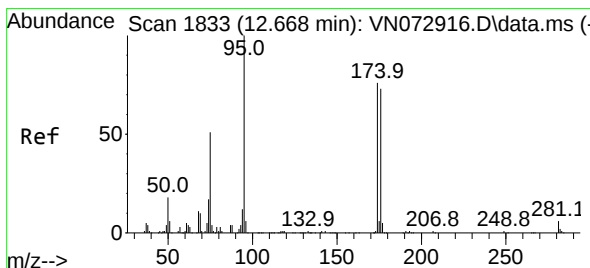
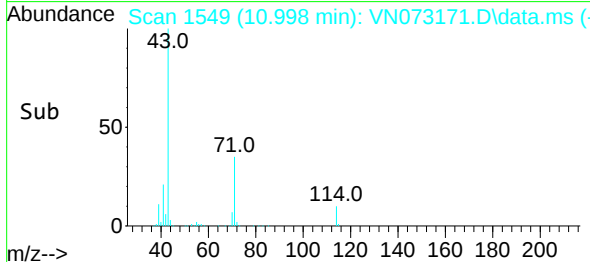
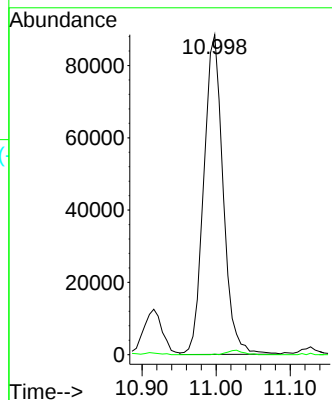
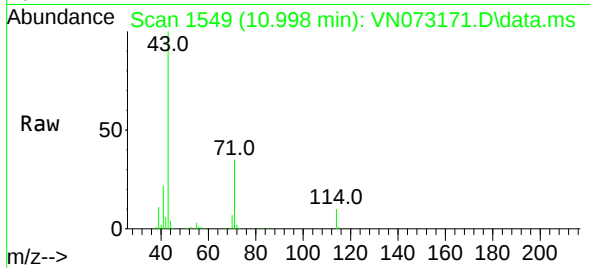




#59
2-Hexanone
Concen: 31.968 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.023 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

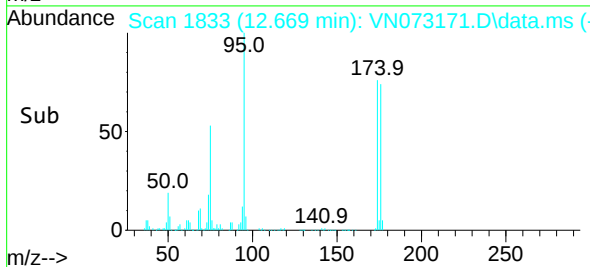
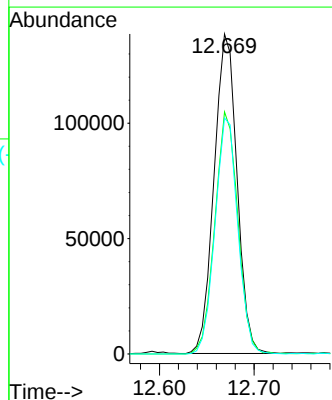
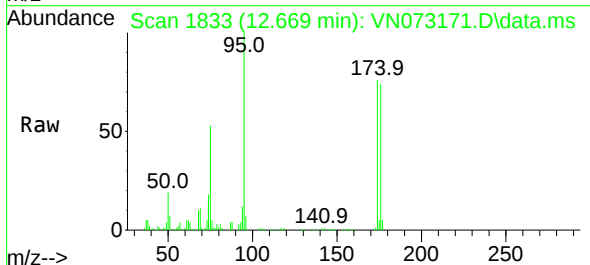
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

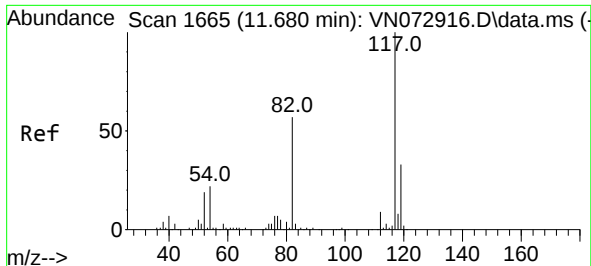
Tgt Ion: 43 Resp: 160003
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.366 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 95 Resp: 233326
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 73.3 0.0 163.4

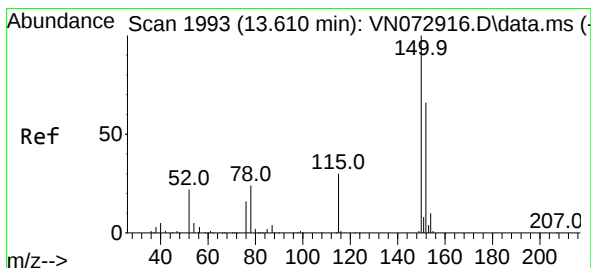
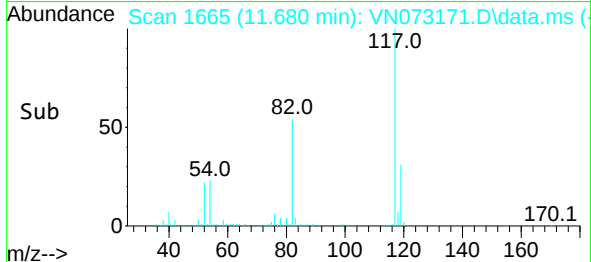
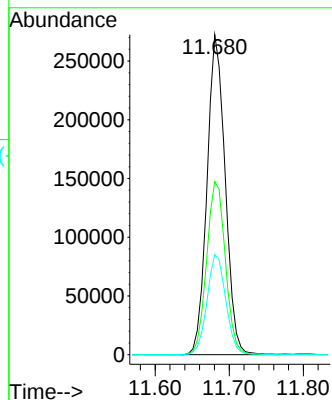
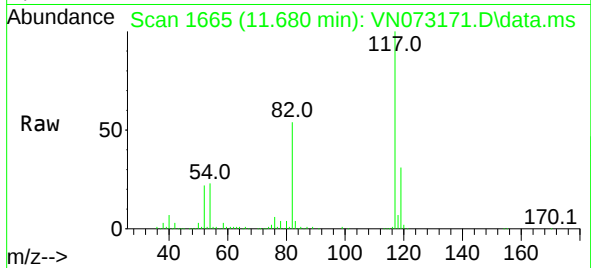




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

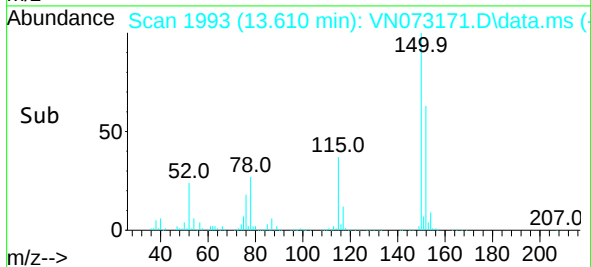
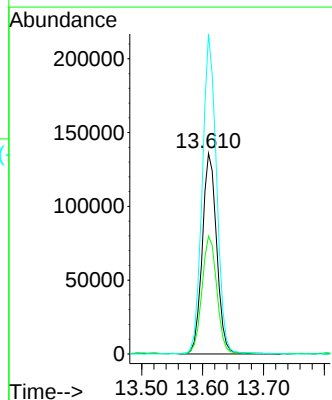
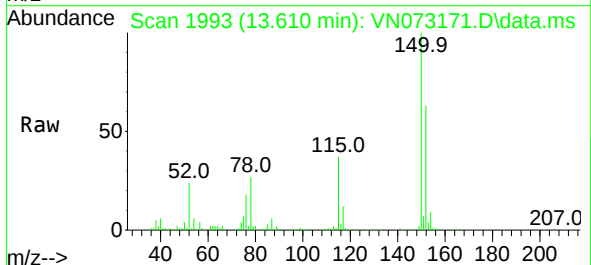
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MSVOA_N
ClientSampleId :
SP-EXC-3RE

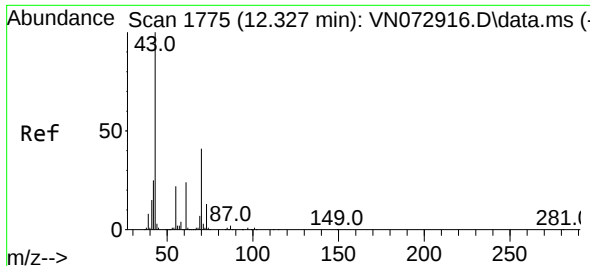
Tgt Ion:117 Resp: 463792
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion:152 Resp: 224437
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 157.2 0.0 356.2

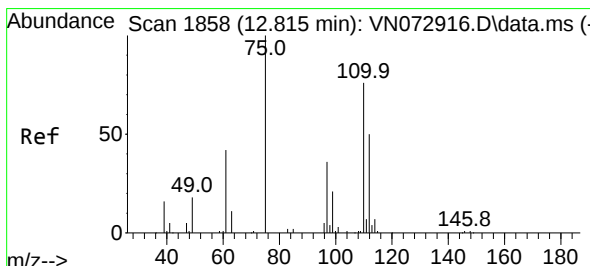
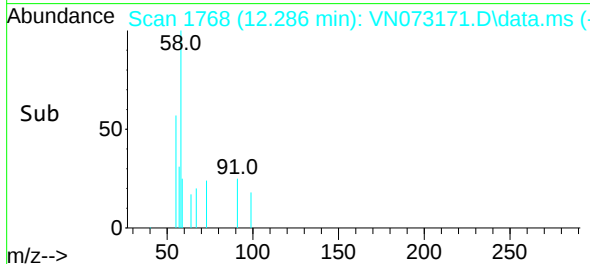
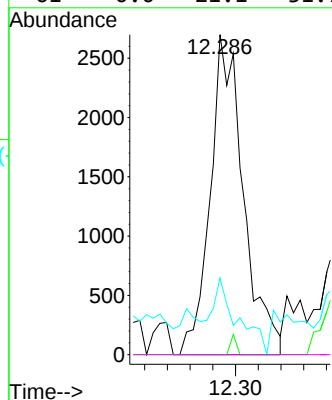
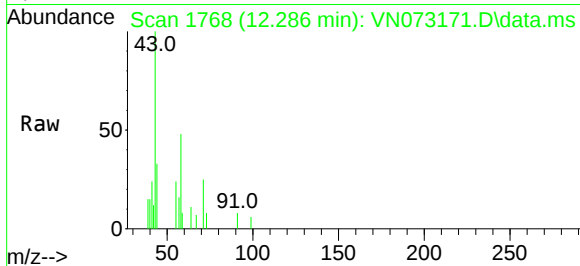




#74
N-amy1 acetate
Concen: 0.606 ug/l
RT: 12.286 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

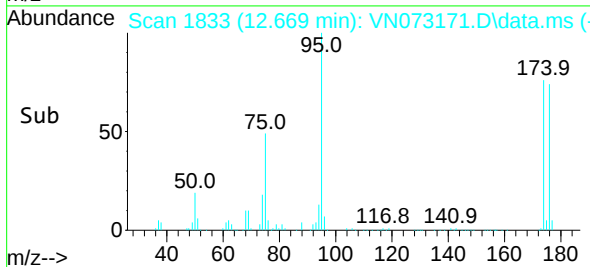
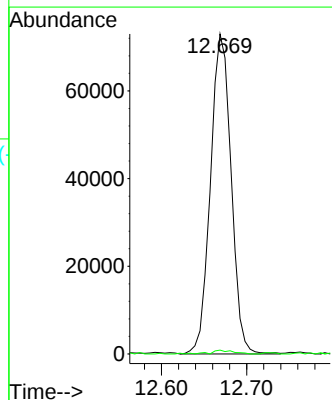
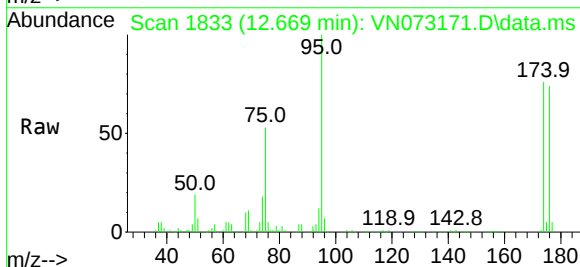
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-3RE

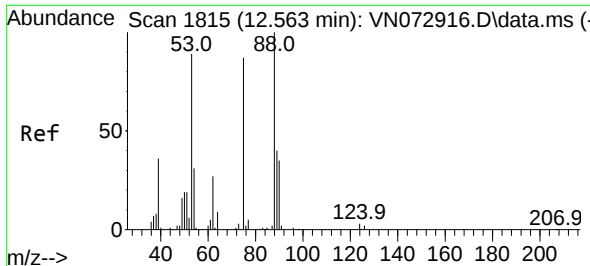
Tgt Ion: 43 Resp: 5458
Ion Ratio Lower Upper
43 100
70 1.1 39.0 58.4#
55 19.3 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.616 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073171.D
Acq: 27 Jun 2022 18:54

Tgt Ion: 75 Resp: 123062
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

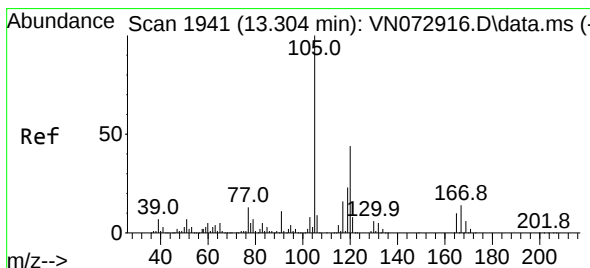
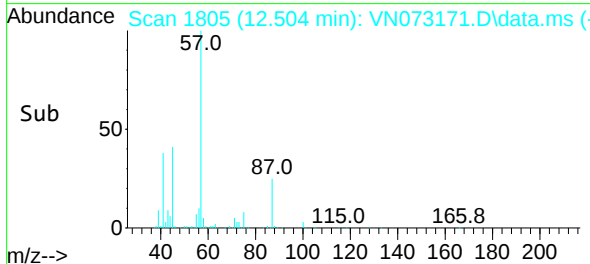
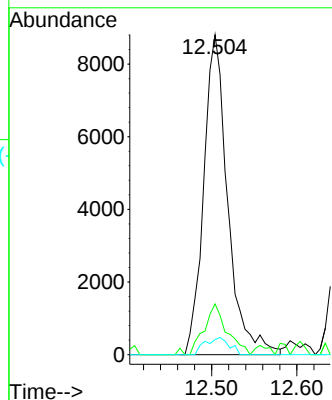
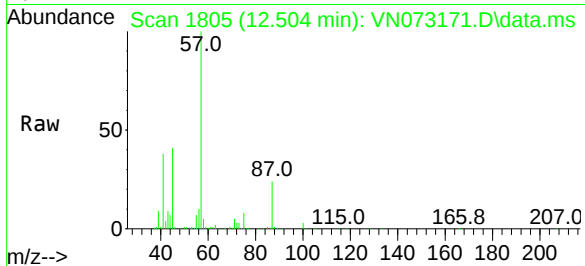




#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.571 ug/l
 RT: 12.504 min Scan# 1805
 Delta R.T. -0.059 min
 Lab File: VN073171.D
 Acq: 27 Jun 2022 18:54

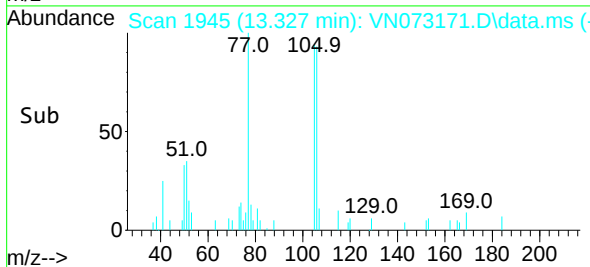
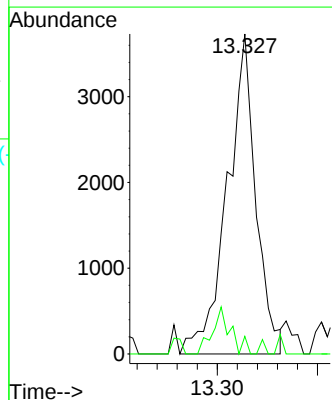
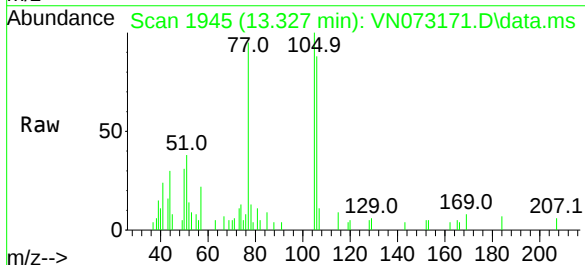
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-3RE

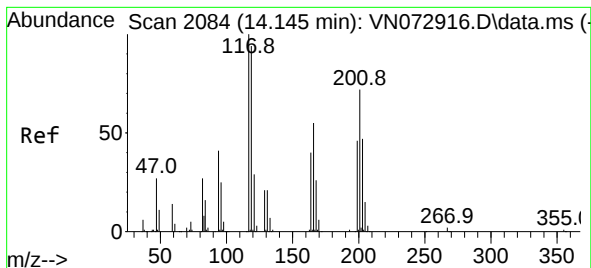
Tgt Ion: 75 Resp: 17270
 Ion Ratio Lower Upper
 75 100
 53 14.9 78.0 117.0#
 89 5.4 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.521 ug/l
 RT: 13.327 min Scan# 1945
 Delta R.T. 0.024 min
 Lab File: VN073171.D
 Acq: 27 Jun 2022 18:54

Tgt Ion: 105 Resp: 7404
 Ion Ratio Lower Upper
 105 100
 120 0.8 23.3 69.8#





#90

Hexachloroethane

Concen: 0.219 ug/l

RT: 14.163 min Scan# 2084

Delta R.T. 0.018 min

Lab File: VN073171.D

Acq: 27 Jun 2022 18:54

Instrument :

MSVOA_N

ClientSampleId :

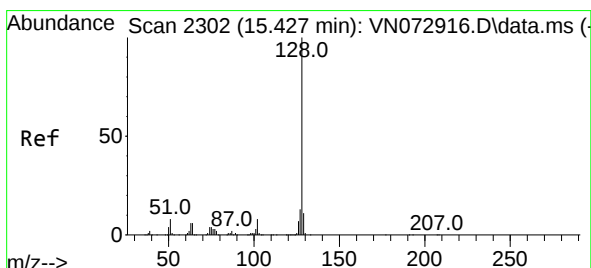
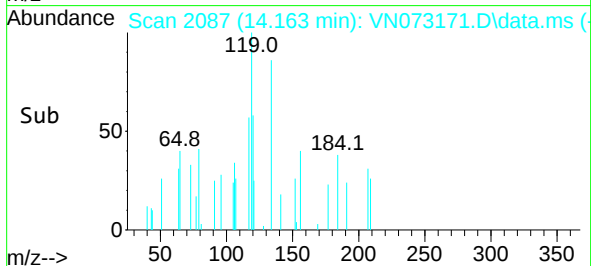
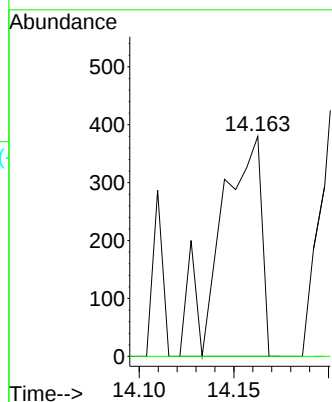
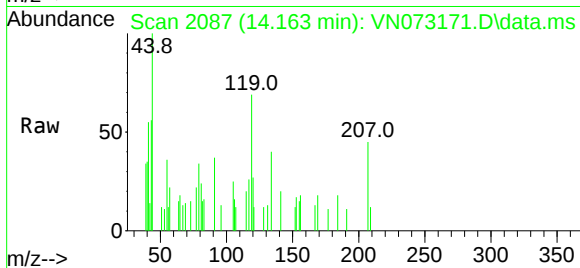
SP-EXC-3RE

Tgt Ion:117 Resp: 583

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#



#95

Naphthalene

Concen: 0.746 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073171.D

Acq: 27 Jun 2022 18:54

Tgt Ion:128 Resp: 12935

Ion Ratio Lower Upper

128 100

127 18.5 10.3 15.5#

129 3.9 8.6 13.0#

