

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071932.D
 Acq On : 11 Apr 2022 13:40
 Operator : JC\MD
 Sample : N2298-01
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB21139

Quant Time: Apr 11 14:28:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

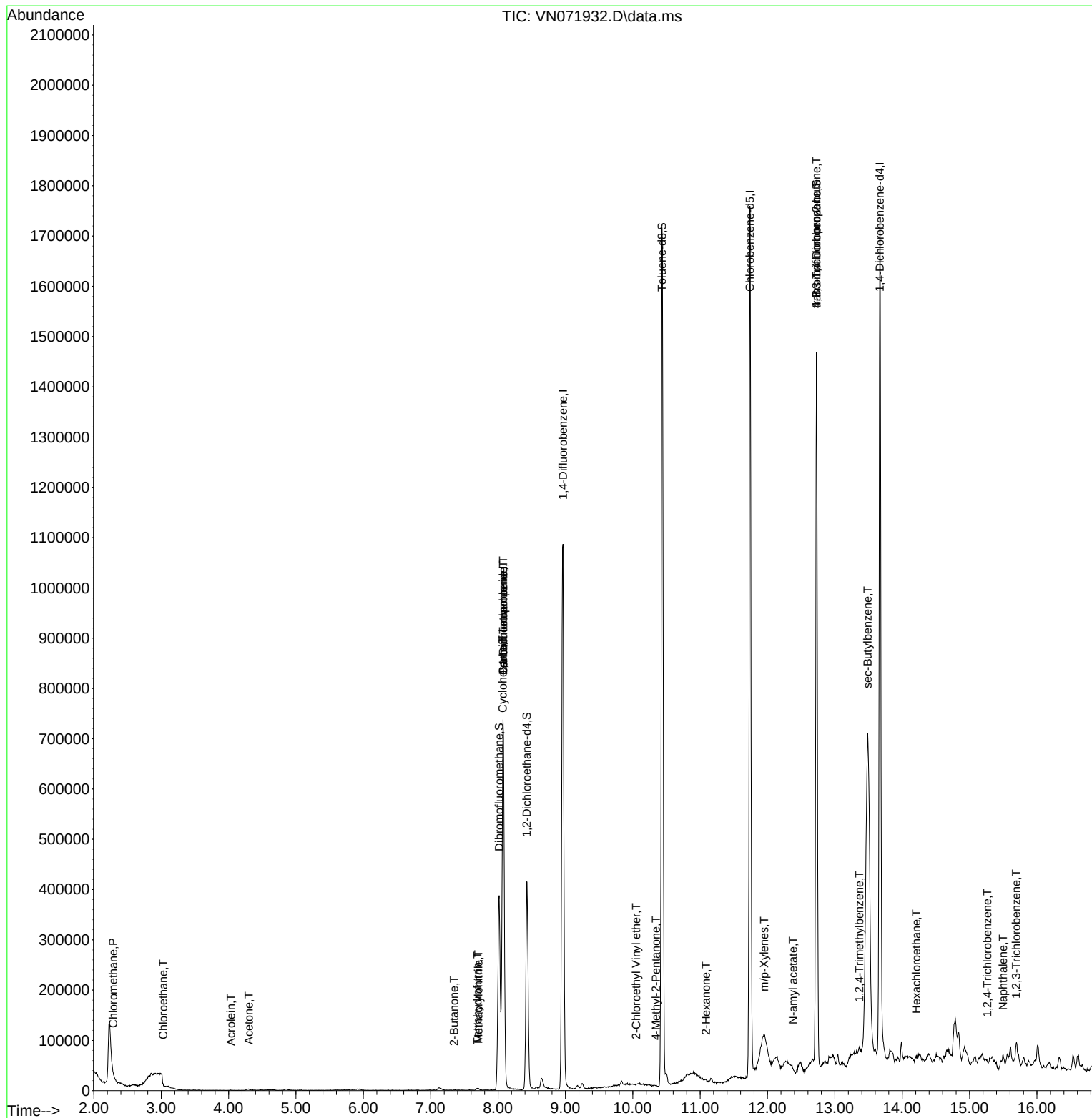
Internal Standards						
1) Pentafluorobenzene	8.075	168	628310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1047965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1064664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	496425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	336029	46.847	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.700%
35) Dibromofluoromethane	8.016	113	292699	47.465	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.920%
50) Toluene-d8	10.433	98	1296644	51.400	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.800%
62) 4-Bromofluorobenzene	12.727	95	503189	61.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	123.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	2498	0.395	ug/l #	68
6) Chloroethane	3.028	64	2829	0.566	ug/l #	66
13) Acrolein	4.034	56	333	0.235	ug/l	86
16) Acetone	4.299	43	952	0.311	ug/l #	75
18) Methyl Acetate	4.857	43	5093	Below Cal	#	86
25) 2-Butanone	7.345	43	1105	0.250	ug/l #	45
29) Tetrahydrofuran	7.692	42	2933	1.025	ug/l	98
31) Cyclohexane	8.069	56	10488	1.075	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	41534	4.823	ug/l #	48
38) Carbon Tetrachloride	8.075	117	56410	6.684	ug/l #	17
41) Methacrylonitrile	7.710	41	1828	0.396	ug/l #	16
49) 1,4-Dioxane	9.586	88	66	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.345	43	1898	0.211	ug/l #	73
58) 2-Chloroethyl Vinyl ether	10.051	63	55	16.983	ug/l #	1
59) 2-Hexanone	11.086	43	2696	0.425	ug/l	98
68) m/p-Xylenes	11.951	106	3257	0.235	ug/l #	54
74) N-amyl acetate	12.380	43	3445	0.287	ug/l #	80
76) 1,2,3-Trichloropropane	12.727	75	241954	21.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	241954	65.200	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	7528	0.233	ug/l	71
85) sec-Butylbenzene	13.486	105	40344	1.027	ug/l #	69
90) Hexachloroethane	14.210	117	1243	0.217	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.263	180	2496	2.389	ug/l #	80
95) Naphthalene	15.498	128	21723	4.691	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.692	180	2608	2.738	ug/l #	81

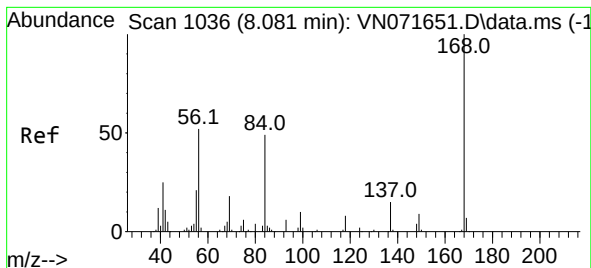
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

Instrument :

MSVOA_N

ClientSampleId :

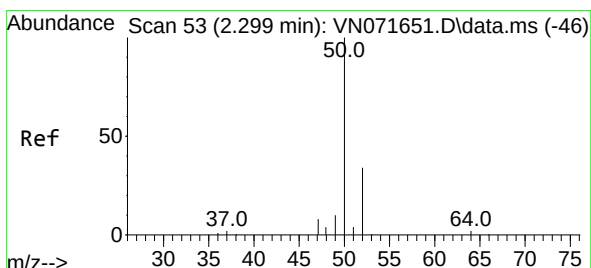
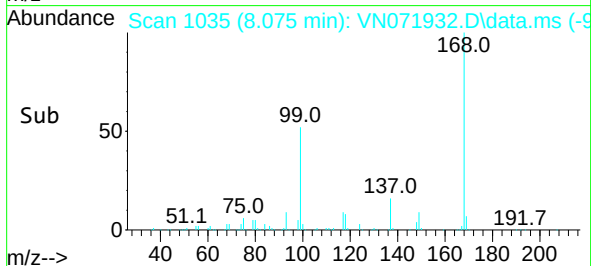
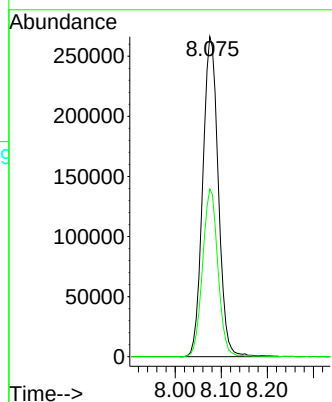
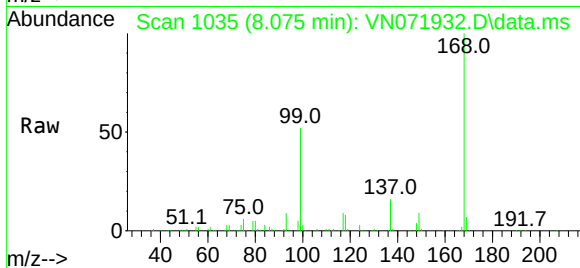
RB21139

Tgt Ion:168 Resp: 628310

Ion Ratio Lower Upper

168 100

99 52.4 42.3 63.5



#3

Chloromethane

Concen: 0.395 ug/l

RT: 2.287 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN071932.D

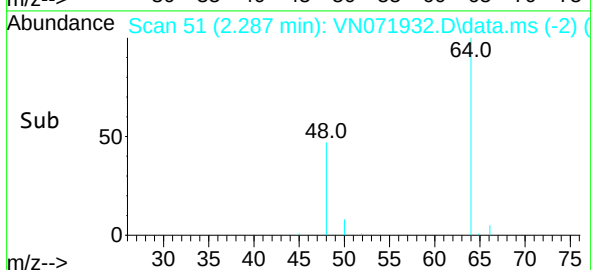
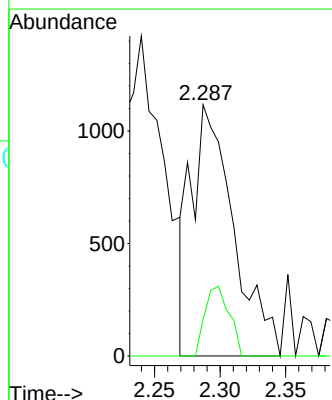
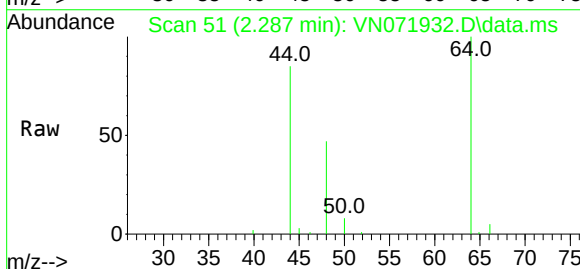
Acq: 11 Apr 2022 13:40

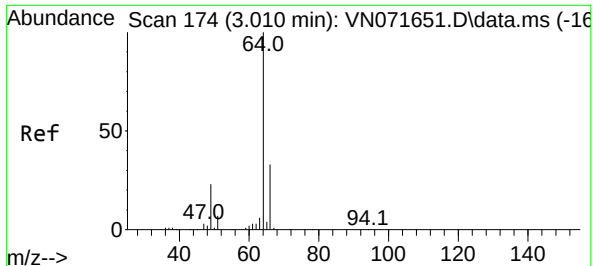
Tgt Ion: 50 Resp: 2498

Ion Ratio Lower Upper

50 100

52 14.4 25.7 38.5#

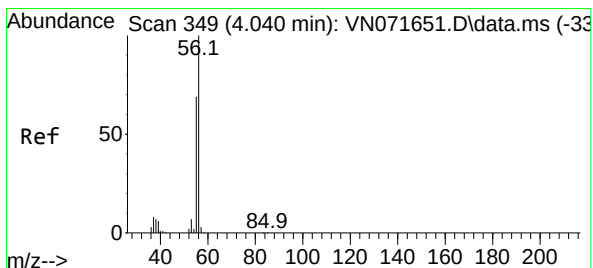
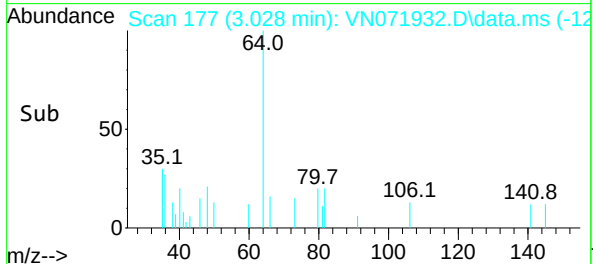
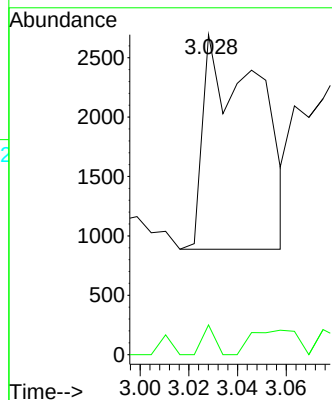
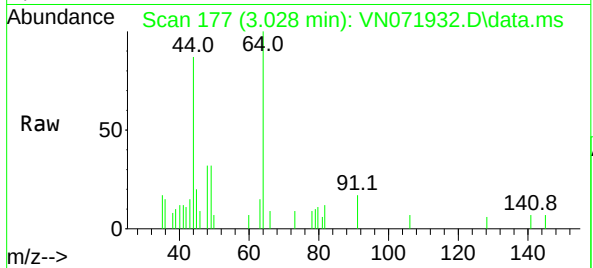




#6
Chloroethane
Concen: 0.566 ug/l
RT: 3.028 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

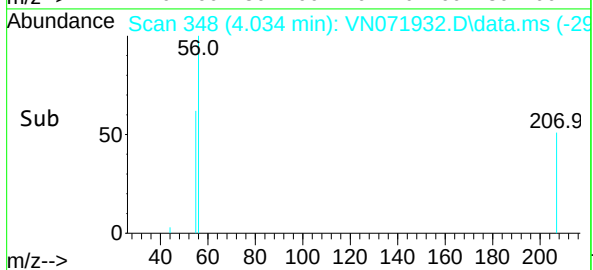
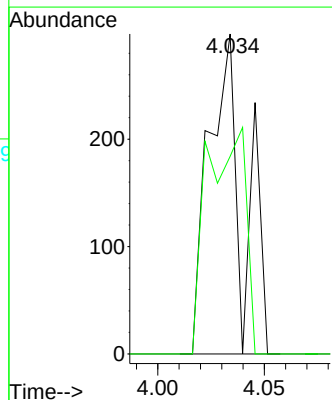
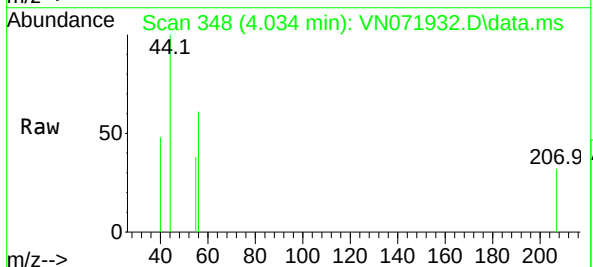
Instrument :
MSVOA_N
ClientSampleId :
RB21139

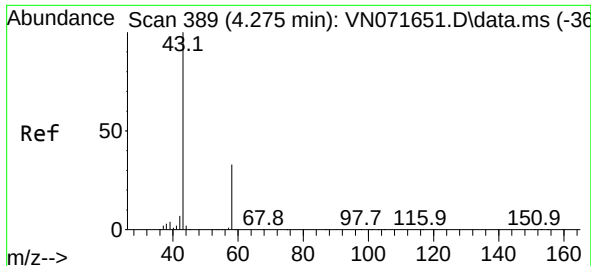
Tgt Ion: 64 Resp: 2829
Ion Ratio Lower Upper
64 100
66 13.8 26.2 39.4#



#13
Acrolein
Concen: 0.235 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.006 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 79.6 54.8 82.2

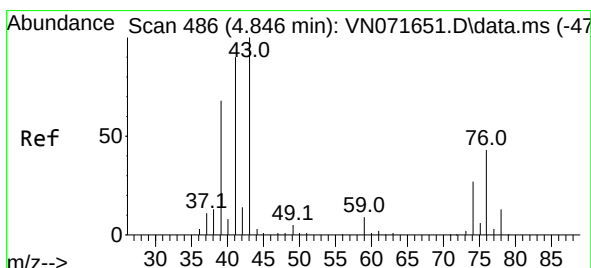
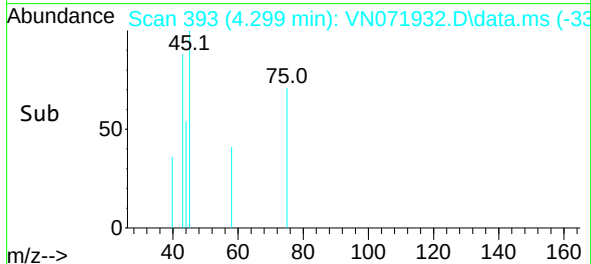
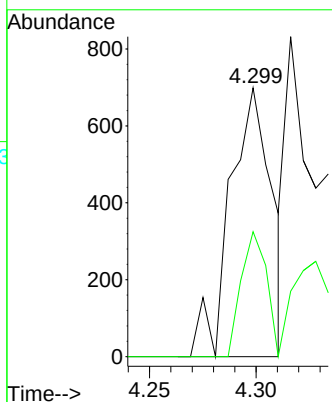
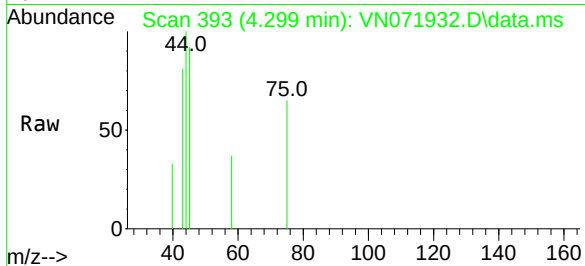




#16
Acetone
Concen: 0.311 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

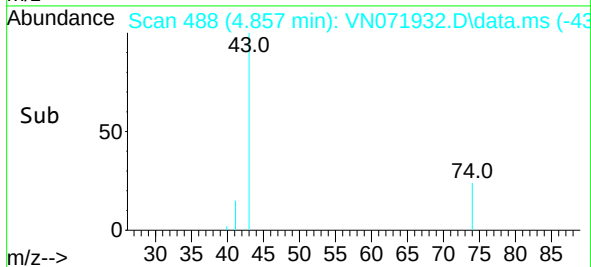
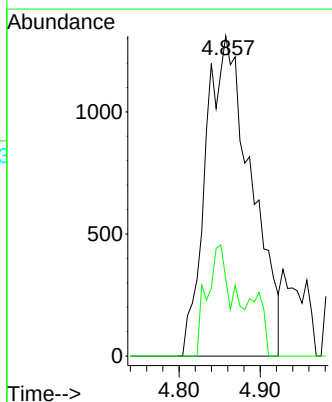
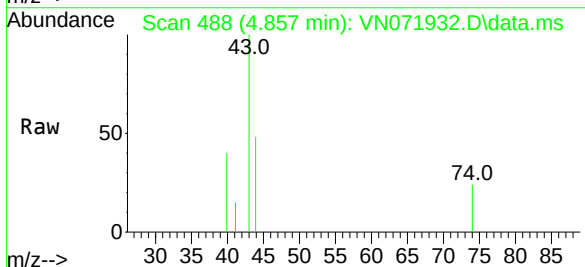
Instrument :
MSVOA_N
ClientSampleId :
RB21139

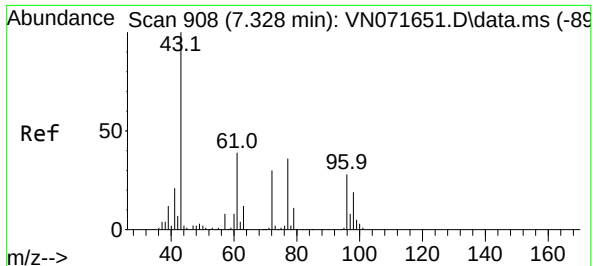
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
58 46.5 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 43 Resp: 5093
Ion Ratio Lower Upper
43 100
74 20.0 21.6 32.4#





#25

2-Butanone

Concen: 0.250 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

Instrument :

MSVOA_N

ClientSampleId :

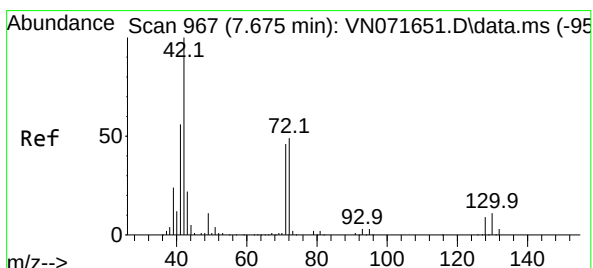
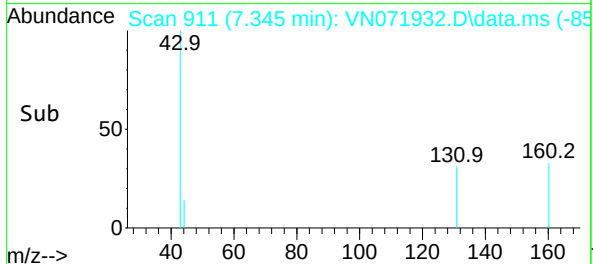
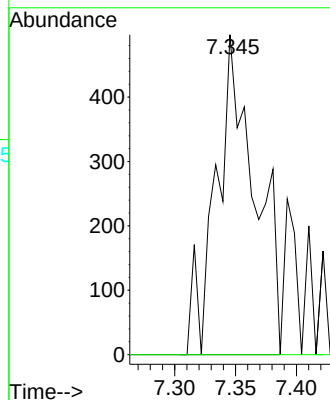
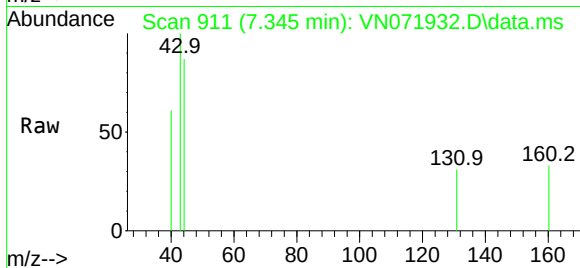
RB21139

Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.025 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

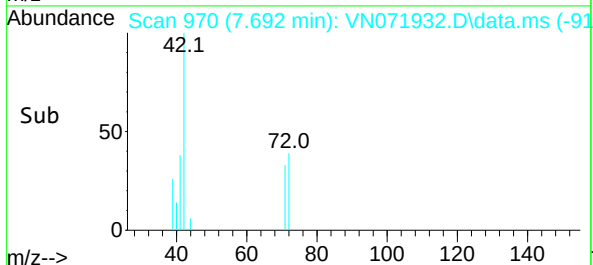
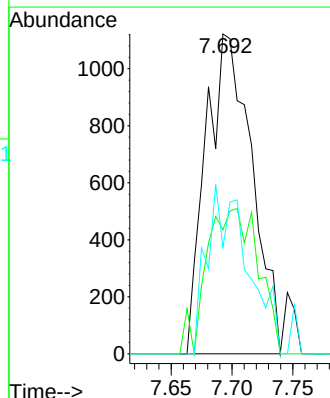
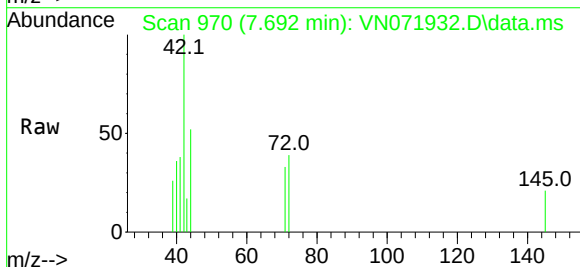
Tgt Ion: 42 Resp: 2933

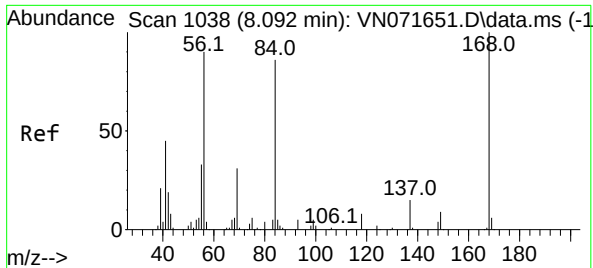
Ion Ratio Lower Upper

42 100

72 51.6 39.7 59.5

71 46.8 36.6 55.0

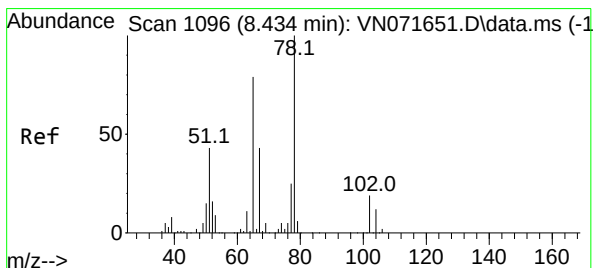
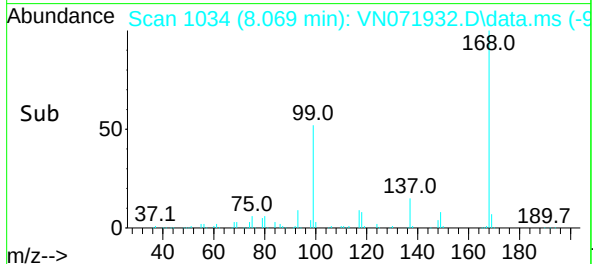
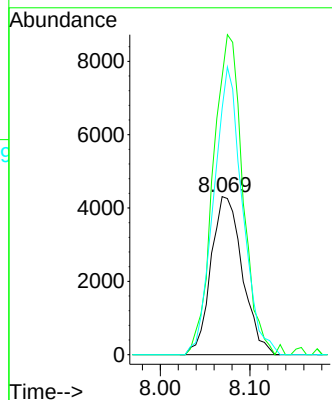
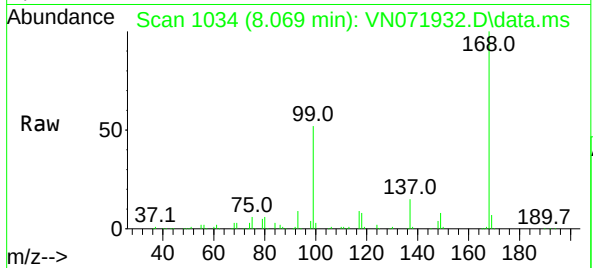




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.069 min Scan# 1034
Delta R.T. -0.023 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

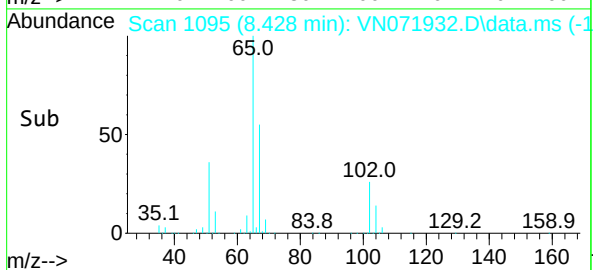
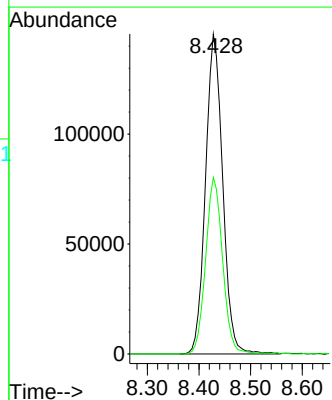
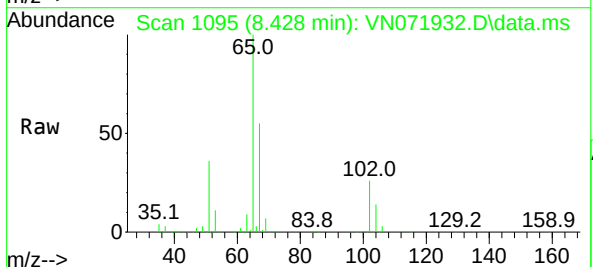
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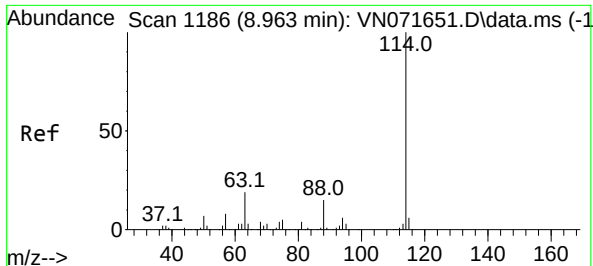
Tgt Ion: 56 Resp: 10488
Ion Ratio Lower Upper
56 100
69 175.7 27.8 41.8#
84 155.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.847 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 65 Resp: 336029
Ion Ratio Lower Upper
65 100
67 54.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071932.D

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Instrument :

MSVOA_N

ClientSampleId :

RB21139

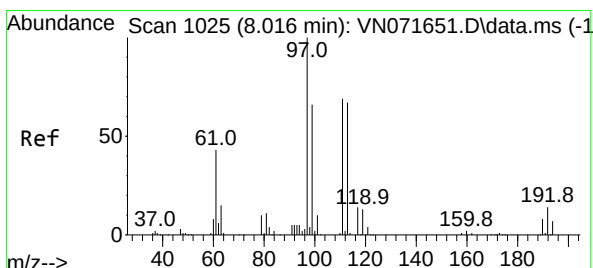
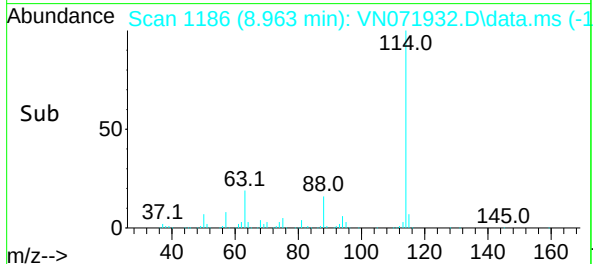
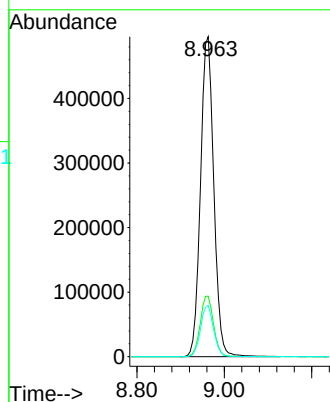
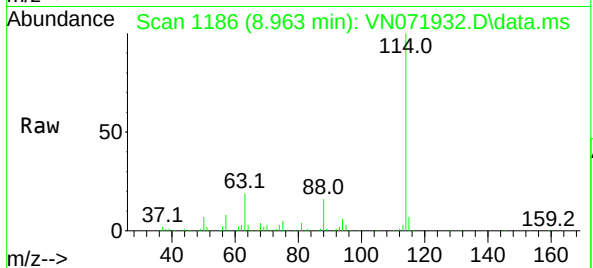
Tgt Ion:114 Resp: 1047965

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.465 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071932.D

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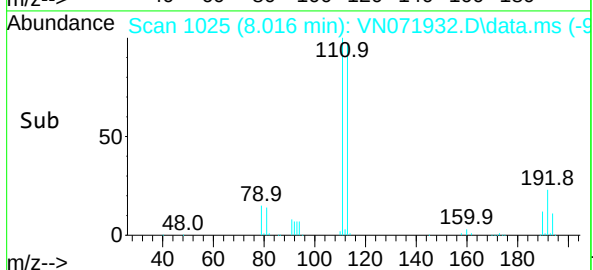
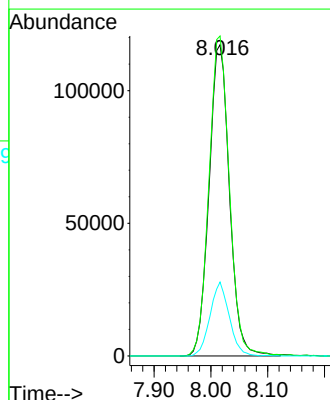
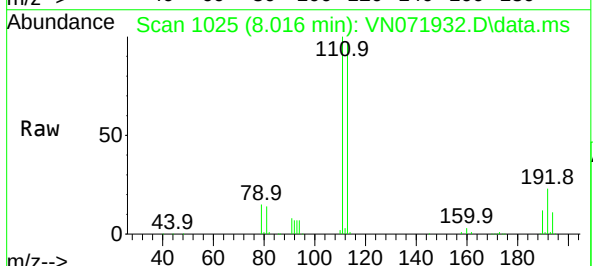
Tgt Ion:113 Resp: 292699

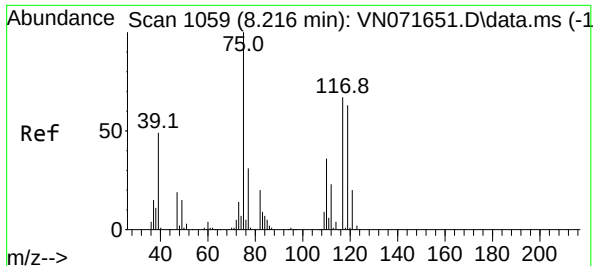
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

Instrument :

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ClientSampleId :

RB21139

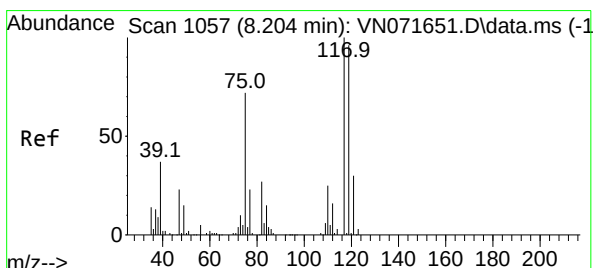
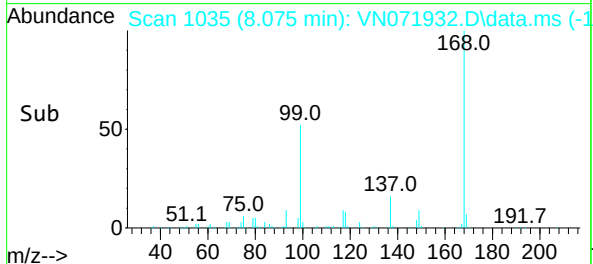
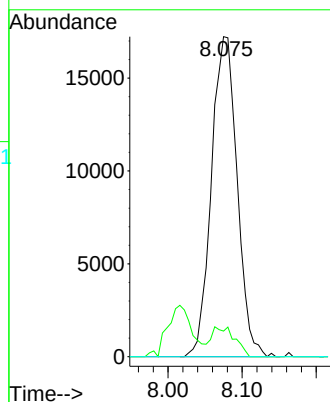
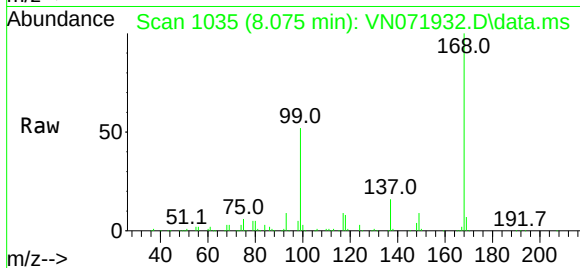
Tgt Ion: 75 Resp: 41534

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.684 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.129 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

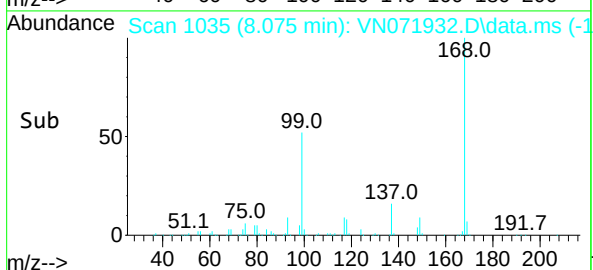
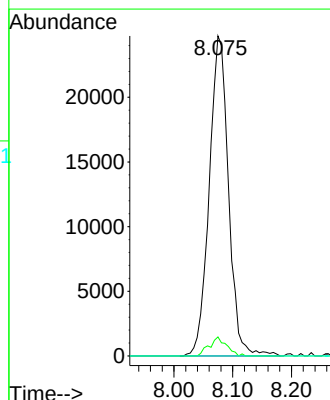
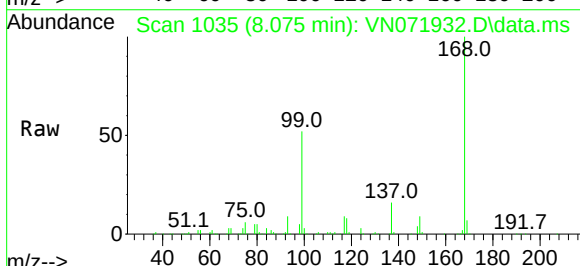
Tgt Ion: 117 Resp: 56410

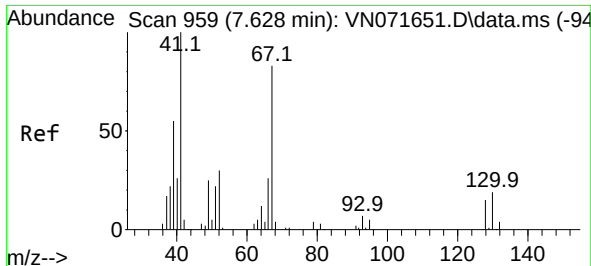
Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

121 0.0 24.6 37.0#

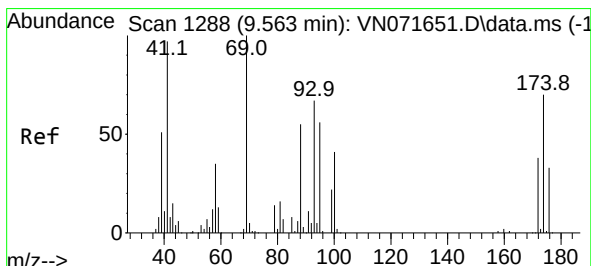
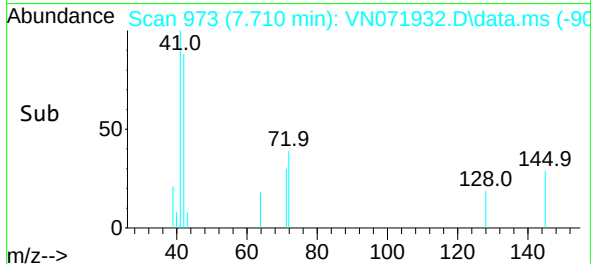
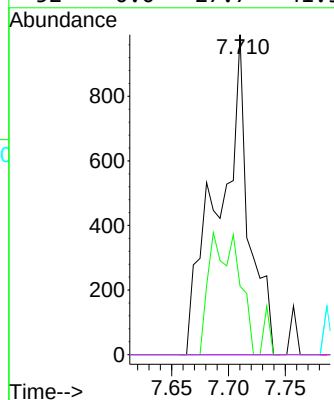
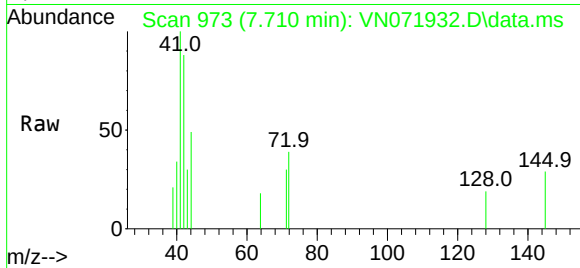




#41
Methacrylonitrile
Concen: 0.396 ug/l
RT: 7.710 min Scan# 91
Delta R.T. 0.082 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

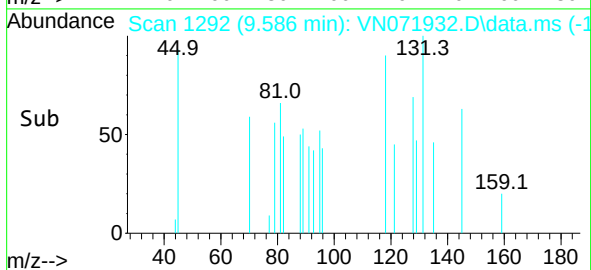
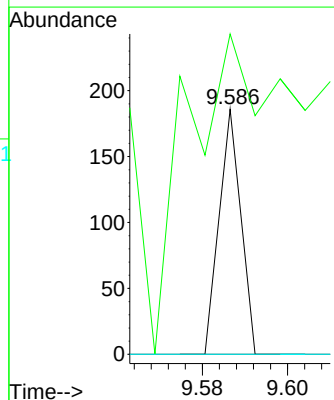
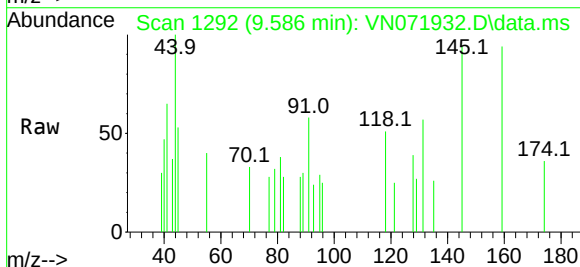
Instrument :
MSVOA_N
ClientSampleId :
RB21139

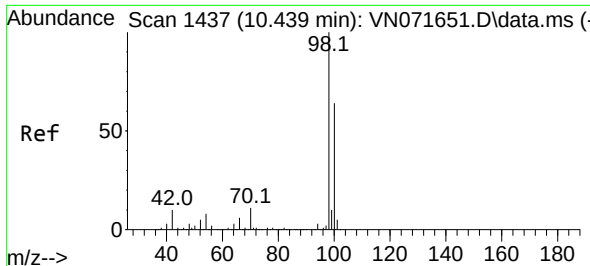
Tgt Ion:	41	Resp:	1828
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.586 min Scan# 1292
Delta R.T. 0.023 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion:	88	Resp:	66
Ion	Ratio	Lower	Upper
88	100		
43	631.8	20.2	30.4#
58	0.0	54.2	81.4#

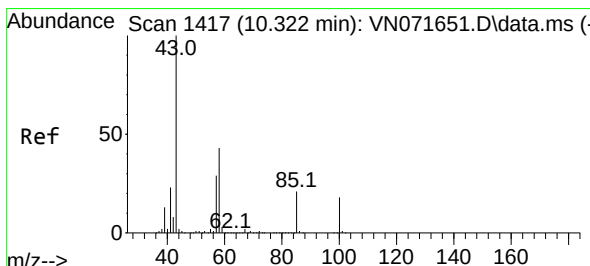
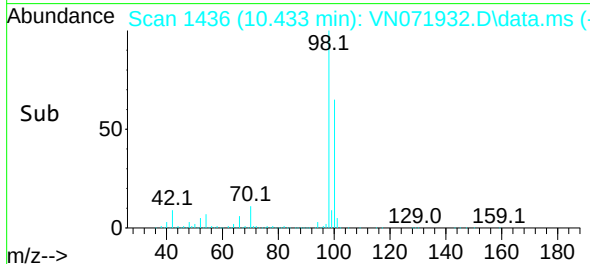
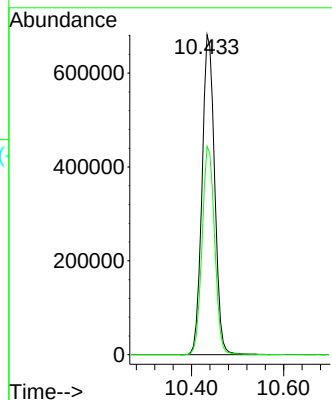
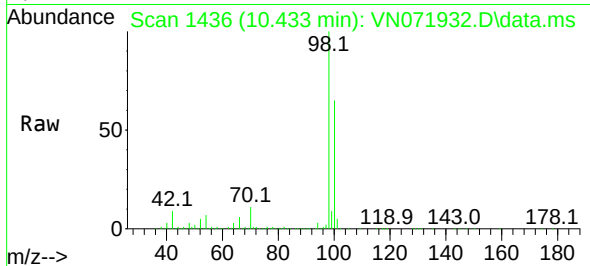




#50
Toluene-d8
Concen: 51.400 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

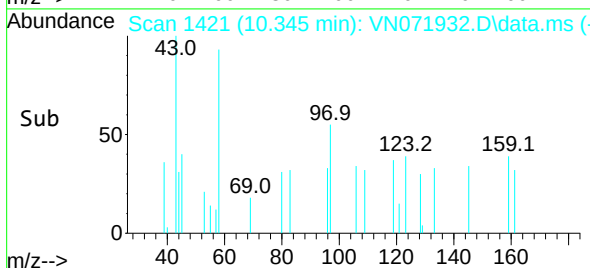
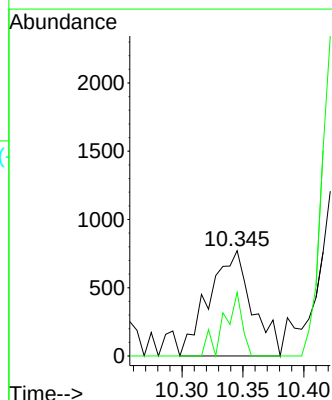
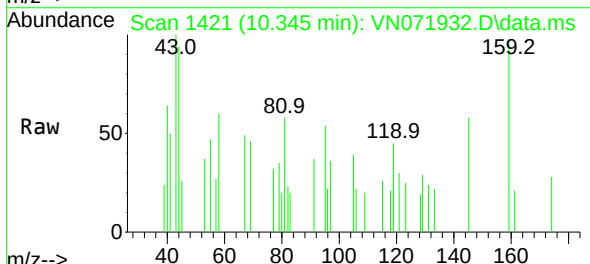
Instrument :
MSVOA_N
ClientSampleId :
RB21139

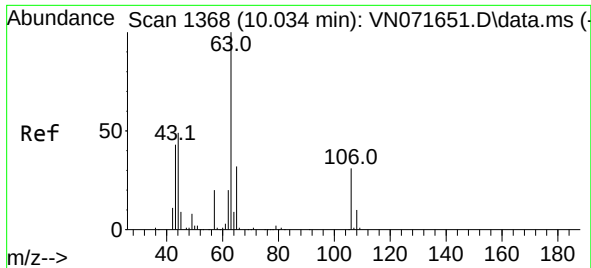
Tgt Ion: 98 Resp: 1296644
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.345 min Scan# 1421
Delta R.T. 0.023 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
58 25.4 34.1 51.1#

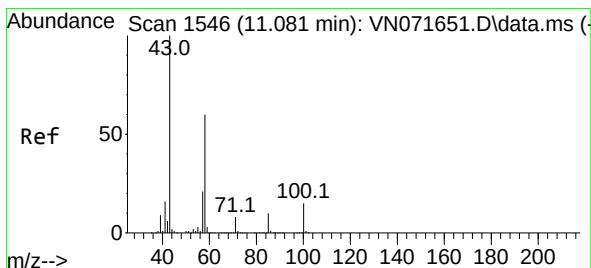
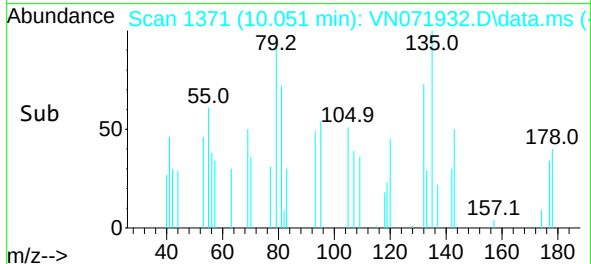
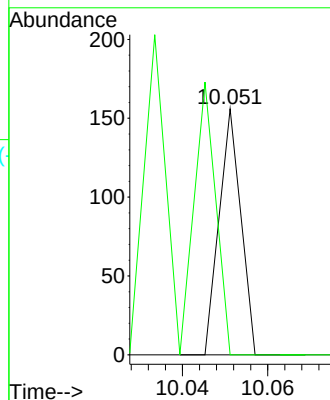
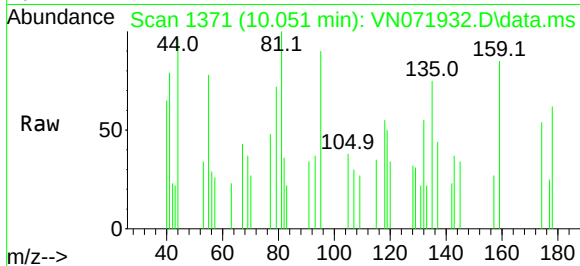




#58
2-Chloroethyl Vinyl ether
Concen: 16.983 ug/l
RT: 10.051 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

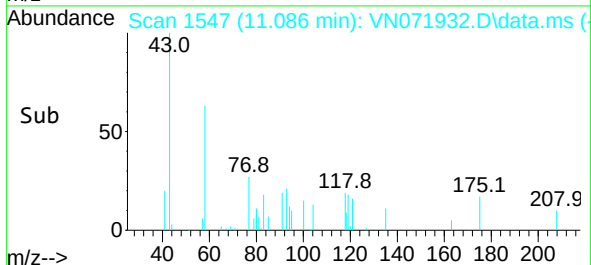
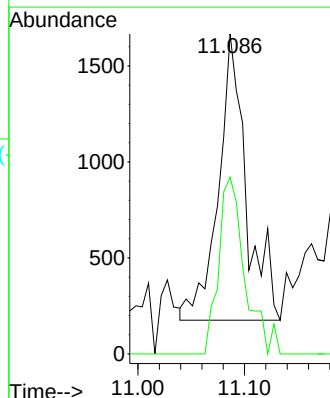
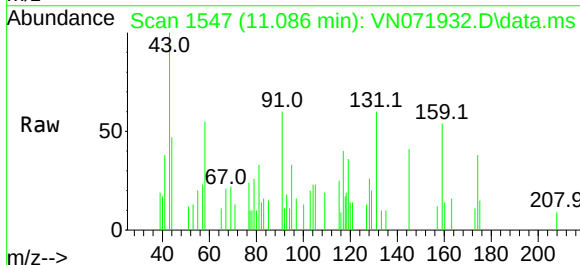
Instrument :
MSVOA_N
ClientSampleId :
RB21139

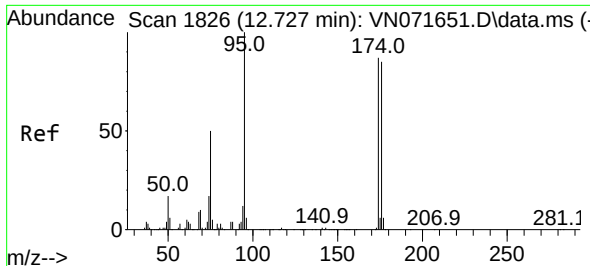
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 241.8 24.6 36.8#



#59
2-Hexanone
Concen: 0.425 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
58 58.0 29.7 89.1

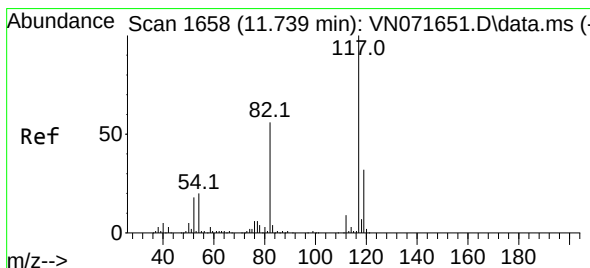
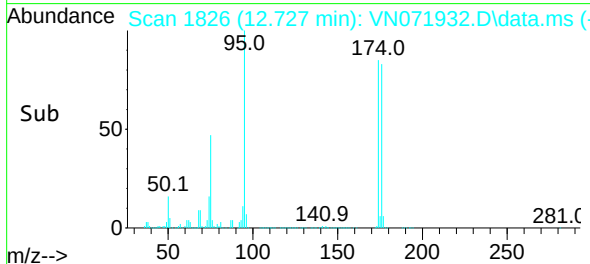
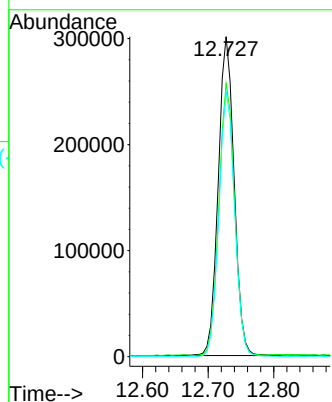
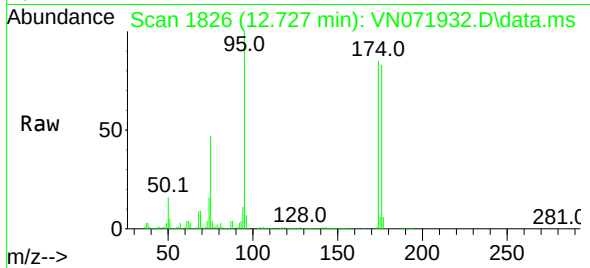




#62
4-Bromofluorobenzene
Concen: 61.676 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

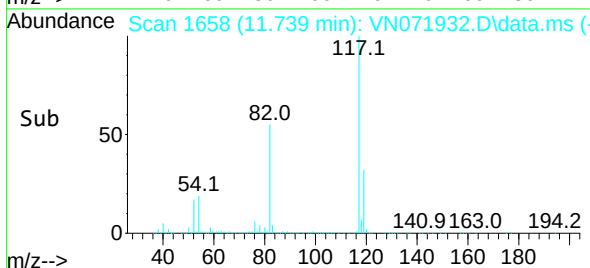
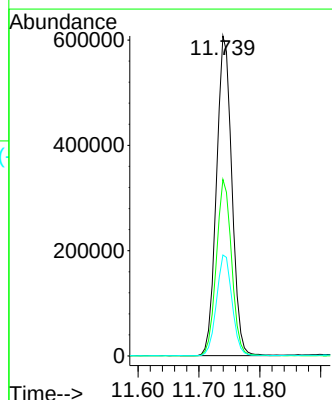
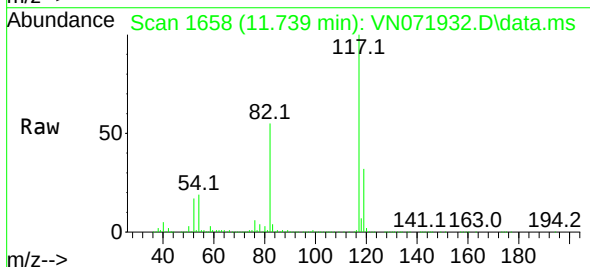
Instrument :
MSVOA_N
ClientSampleId :
RB21139

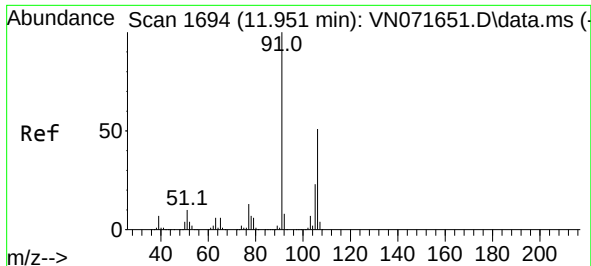
Tgt Ion: 95 Resp: 503189
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.6
176 82.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 117 Resp: 1064664
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 31.4 25.4 38.0

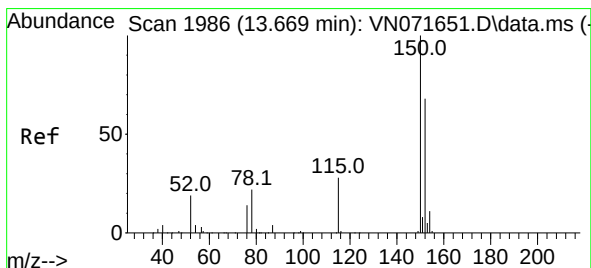
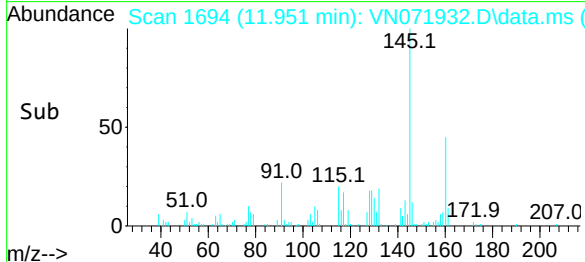
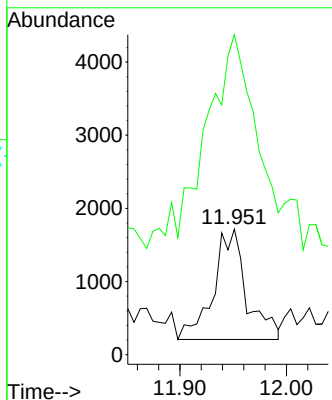
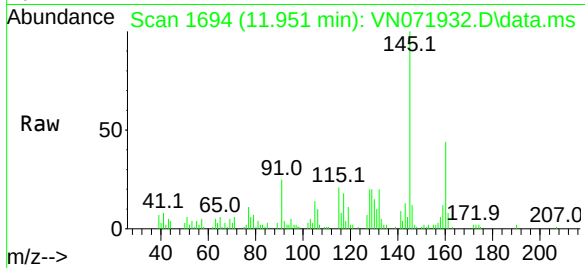




#68
m/p-Xylenes
Concen: 0.235 ug/l
RT: 11.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

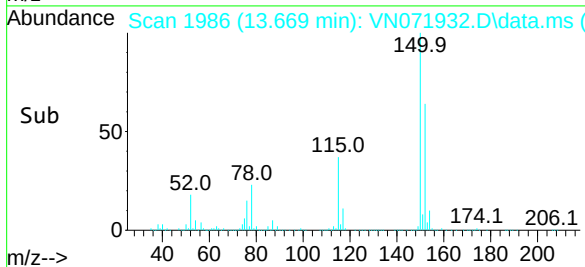
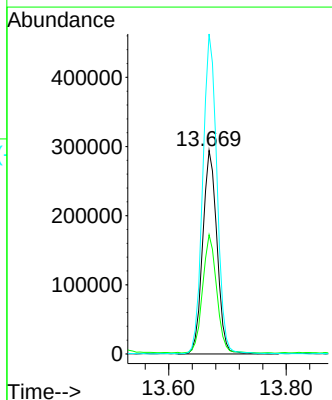
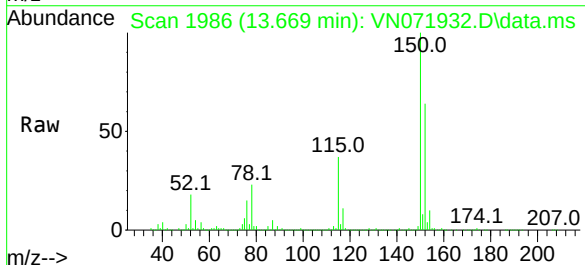
Instrument :
MSVOA_N
ClientSampleId :
RB21139

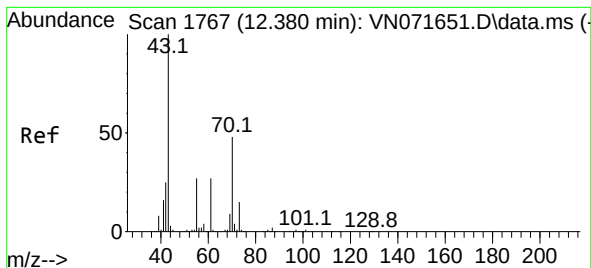
Tgt Ion:106 Resp: 3257
Ion Ratio Lower Upper
106 100
91 267.7 158.9 238.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion:152 Resp: 496425
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 156.1 0.0 356.2





#74

N-amy1 acetate

Concen: 0.287 ug/l

RT: 12.380 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN071932.D

Acq: 11 Apr 2022 13:40

Instrument :

MSVOA_N

ClientSampleId :

RB21139

Tgt Ion: 43 Resp: 3445

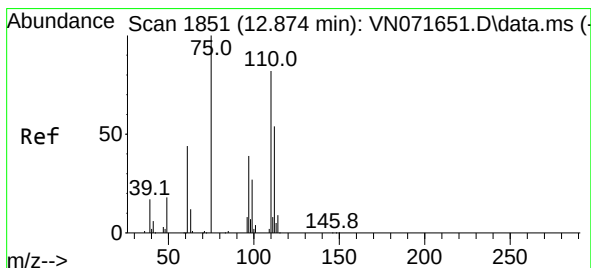
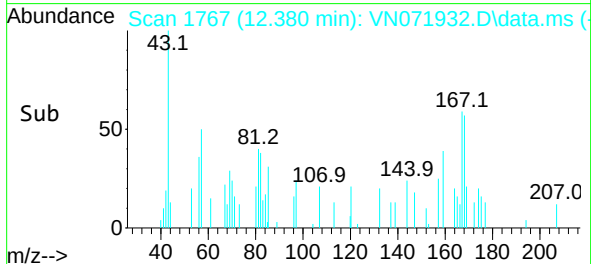
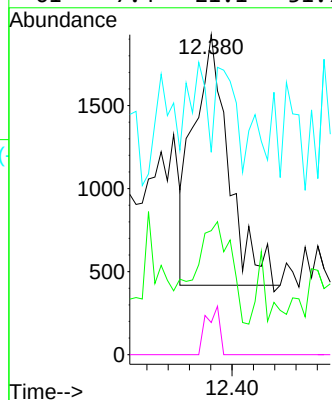
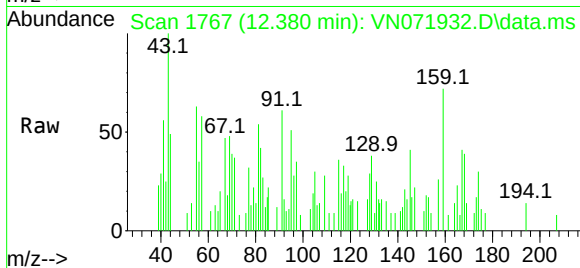
Ion Ratio Lower Upper

43 100

70 36.7 39.0 58.4#

55 22.7 21.1 31.7

61 7.4 21.1 31.7#



#76

1,2,3-Trichloropropane

Concen: 21.039 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN071932.D

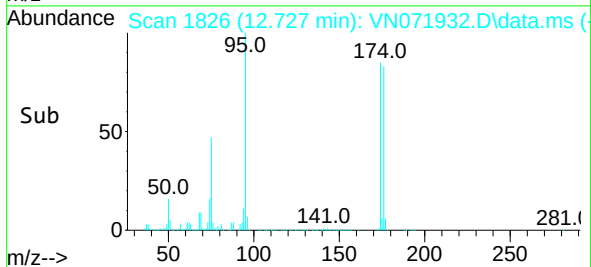
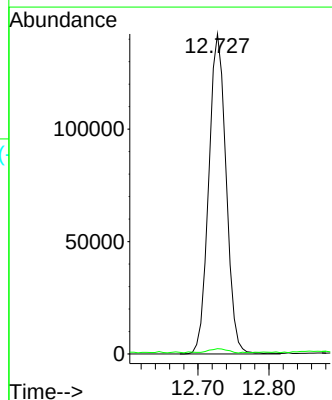
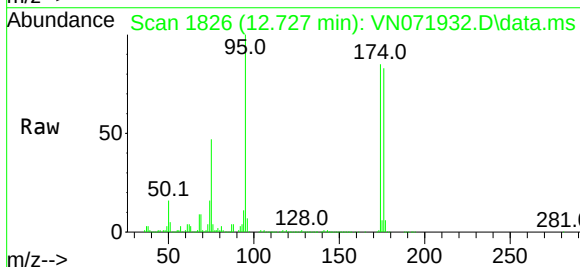
Acq: 11 Apr 2022 13:40

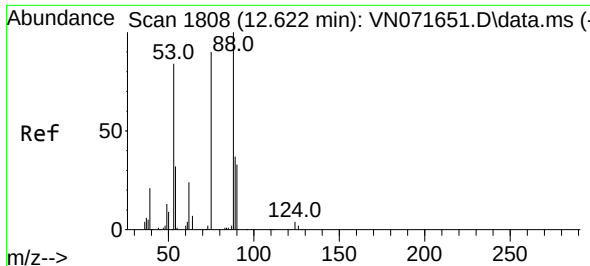
Tgt Ion: 75 Resp: 241954

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#

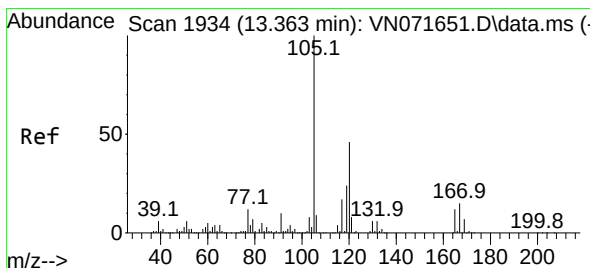
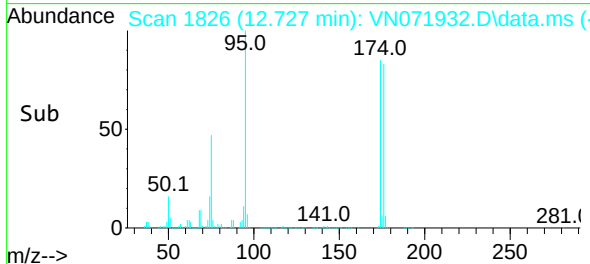
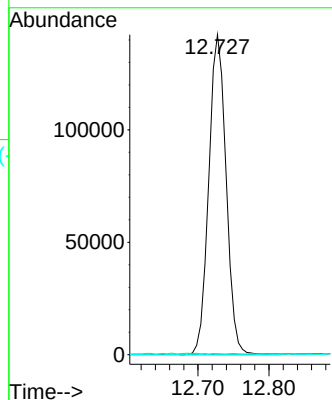
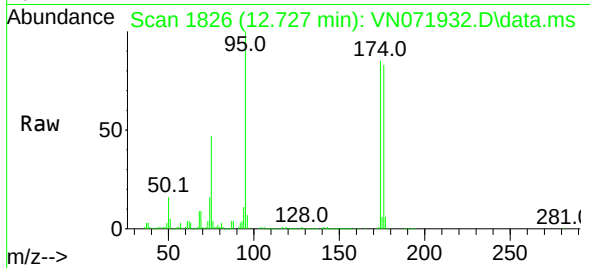




#81
trans-1,4-Dichloro-2-butene
Concen: 65.200 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

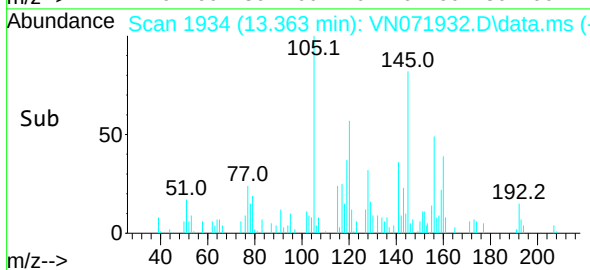
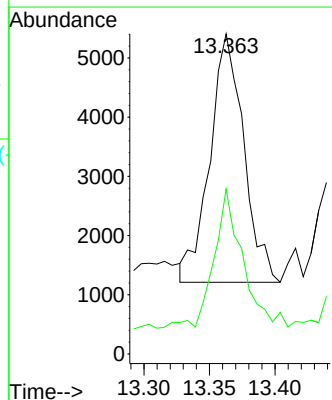
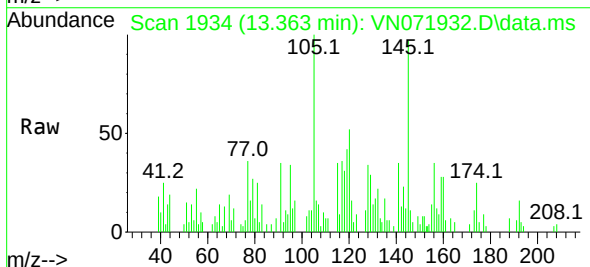
Instrument :
MSVOA_N
ClientSampleId :
RB21139

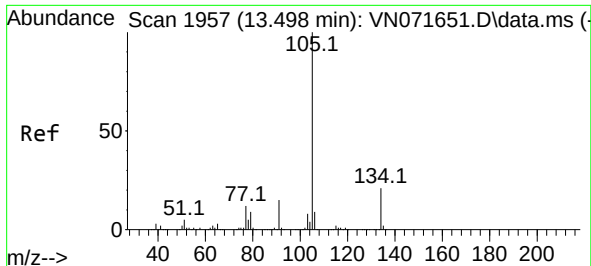
Tgt Ion: 75 Resp: 241954
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.233 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071932.D
Acq: 11 Apr 2022 13:40

Tgt Ion: 105 Resp: 7528
Ion Ratio Lower Upper
105 100
120 65.6 23.3 69.8

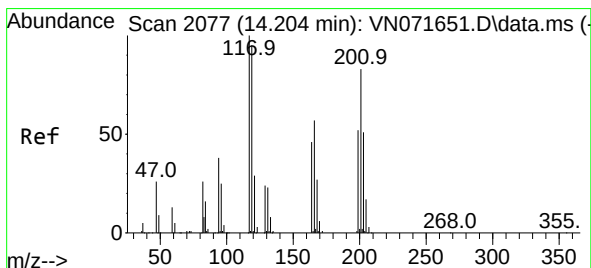
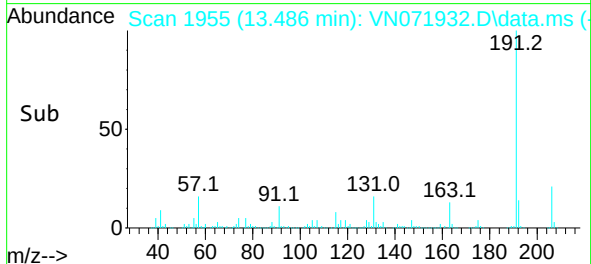
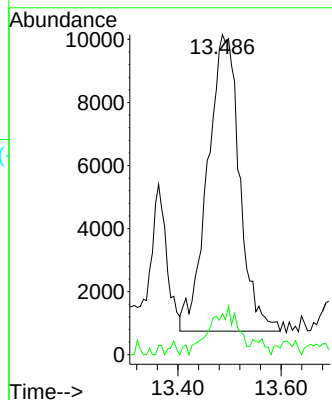
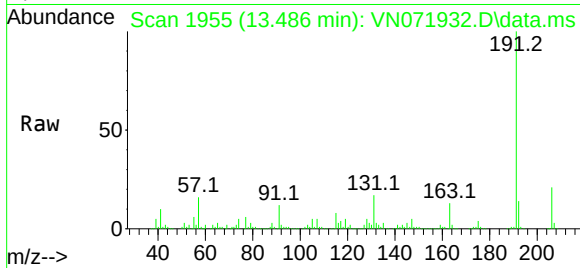




#85
 sec-Butylbenzene
 Concen: 1.027 ug/l
 RT: 13.486 min Scan# 1955
 Delta R.T. -0.012 min
 Lab File: VN071932.D
 Acq: 11 Apr 2022 13:40

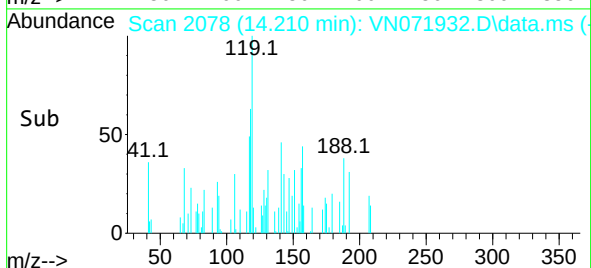
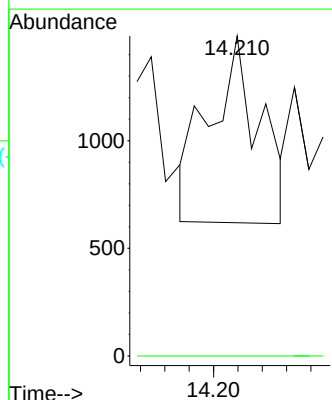
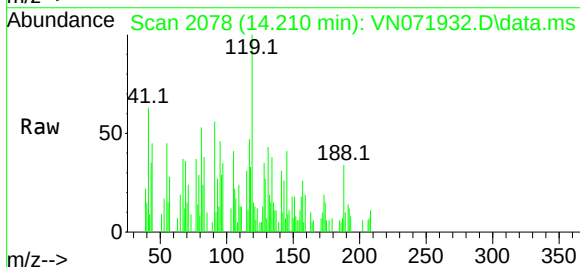
Instrument :
 MSVOA_N
 ClientSampleId :
 RB21139

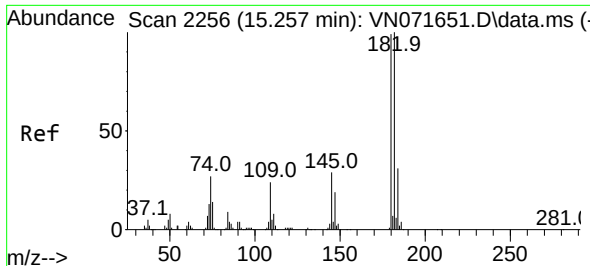
Tgt Ion:105 Resp: 40344
 Ion Ratio Lower Upper
 105 100
 134 6.2 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.217 ug/l
 RT: 14.210 min Scan# 2078
 Delta R.T. 0.006 min
 Lab File: VN071932.D
 Acq: 11 Apr 2022 13:40

Tgt Ion:117 Resp: 1243
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#

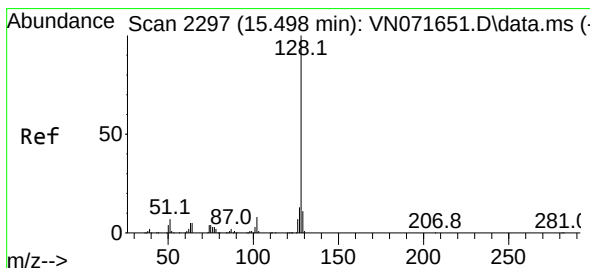
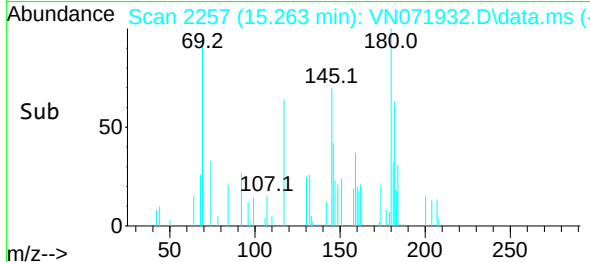
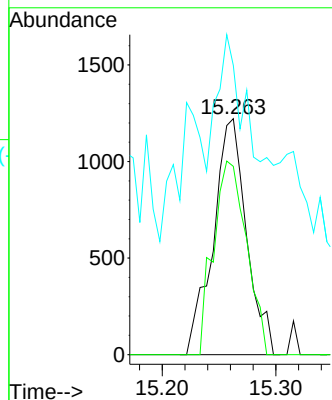
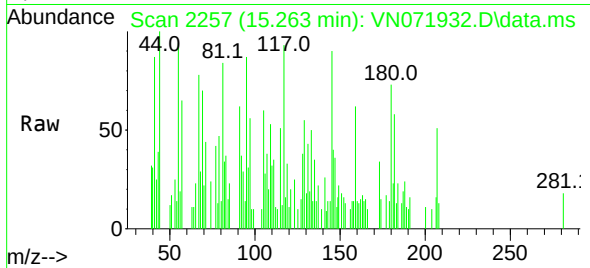




#93
 1,2,4-Trichlorobenzene
 Concen: 2.389 ug/l
 RT: 15.263 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071932.D
 Acq: 11 Apr 2022 13:40

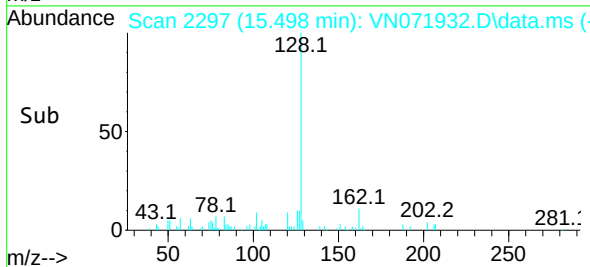
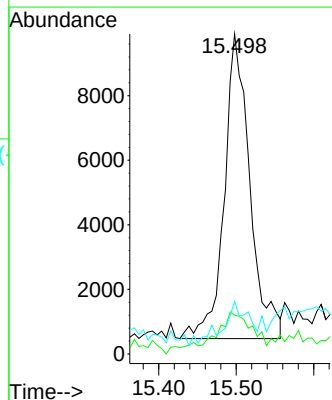
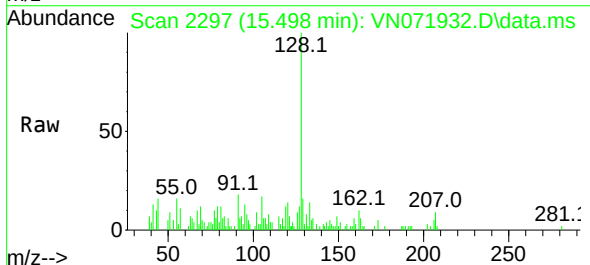
Instrument :
 MSVOA_N
 ClientSampleId :
 RB21139

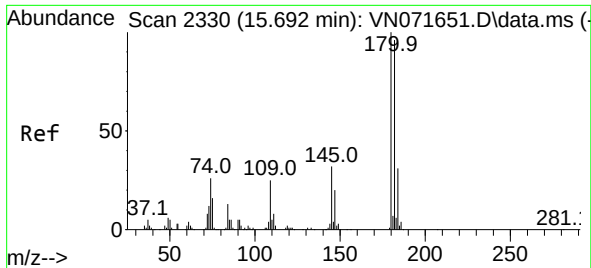
Tgt Ion:180 Resp: 2496
 Ion Ratio Lower Upper
 180 100
 182 81.1 47.5 142.5
 145 49.6 14.5 43.5#



#95
 Naphthalene
 Concen: 4.691 ug/l
 RT: 15.498 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VN071932.D
 Acq: 11 Apr 2022 13:40

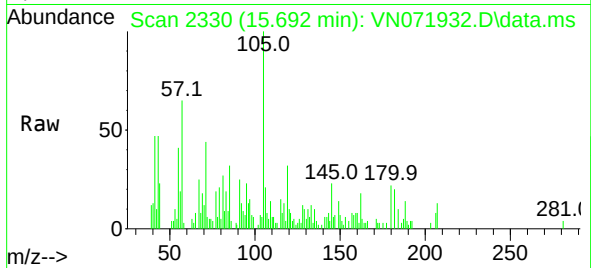
Tgt Ion:128 Resp: 21723
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.3 15.5
 129 7.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.738 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071932.D
 Acq: 11 Apr 2022 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 RB21139



Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.3	47.8	143.3
145	53.8	15.5	46.5

