

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041922\
 Data File : VN072059.D
 Acq On : 19 Apr 2022 19:03
 Operator : JC\MD
 Sample : N2434-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-EDISON-PILE-1

Quant Time: Apr 20 01:28:43 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)

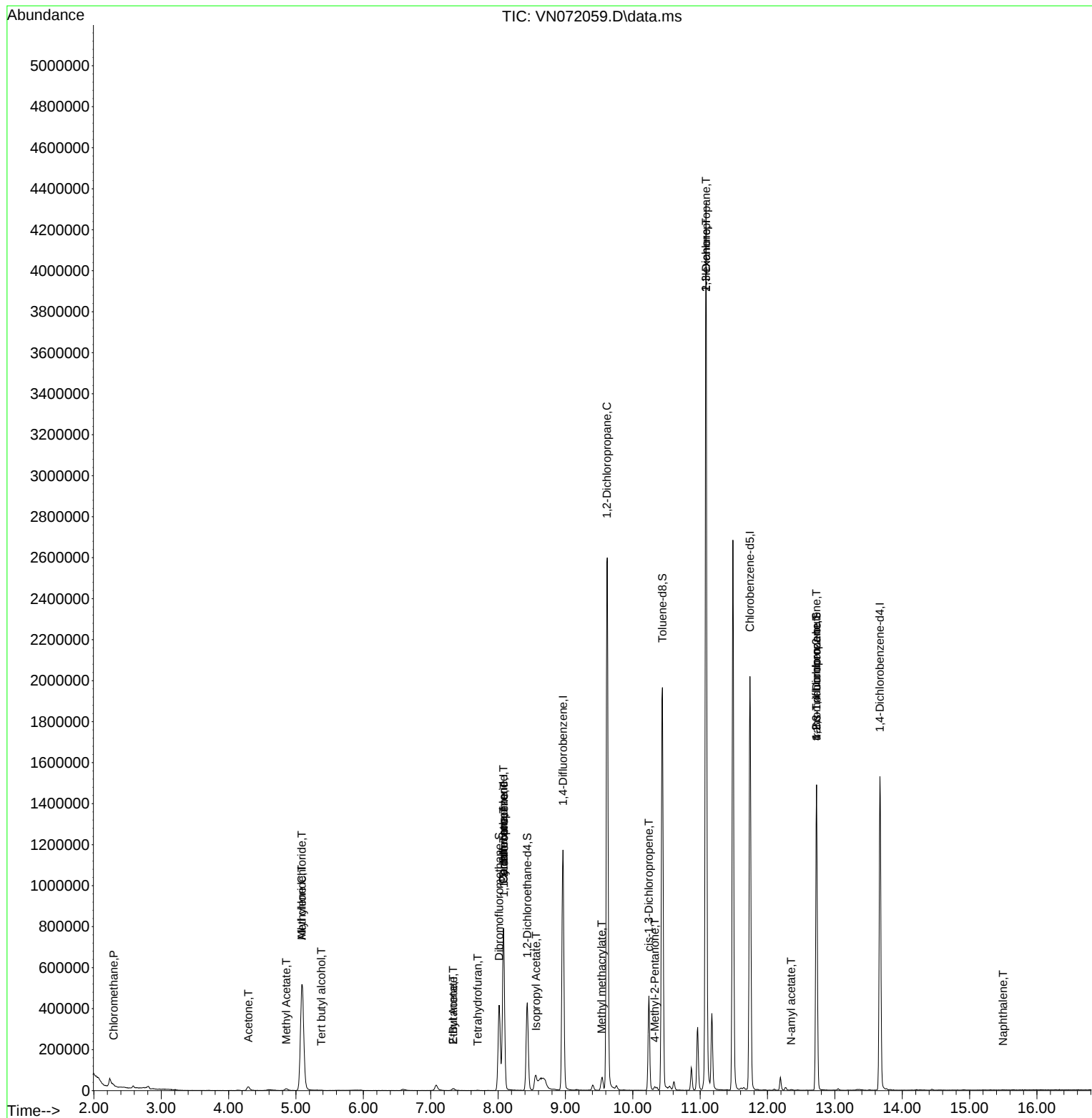
Internal Standards						
1) Pentafluorobenzene	8.081	168	649583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1107953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1257971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	469056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	347932	46.918	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.840%		
35) Dibromofluoromethane	8.016	113	307910	47.228	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.460%		
50) Toluene-d8	10.439	98	1463171	54.861	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.720%		
62) 4-Bromofluorobenzene	12.727	95	519109	60.182	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	120.360%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	1881	0.287	ug/l	95
11) Tert butyl alcohol	5.375	59	1832	1.522	ug/l #	72
14) Allyl chloride	5.087	41	14636	1.682	ug/l #	24
16) Acetone	4.293	43	29661	9.359	ug/l	100
18) Methyl Acetate	4.857	43	18562	0.878	ug/l	97
20) Methylene Chloride	5.087	84	480689	71.960	ug/l	96
25) 2-Butanone	7.334	43	15667	3.429	ug/l #	86
29) Tetrahydrofuran	7.698	42	1239	0.419	ug/l #	71
31) Cyclohexane	8.081	56	10399	1.031	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	42706	4.691	ug/l #	49
37) Ethyl Acetate	7.334	43	15667	1.572	ug/l #	67
38) Carbon Tetrachloride	8.081	117	58299	6.534	ug/l #	18
43) Isopropyl Acetate	8.563	43	88756	5.355	ug/l #	78
45) 1,2-Dichloropropane	9.616	63	3806	0.530	ug/l #	44
48) Methyl methacrylate	9.539	41	15842	2.304	ug/l #	10
49) 1,4-Dioxane	9.622	88	311	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	10460	1.098	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	90853	8.170	ug/l #	55
57) 1,3-Dichloropropane	11.086	76	49894	3.988	ug/l #	42
59) 2-Hexanone	11.086	43	599539	89.357	ug/l #	49
74) N-amyl acetate	12.351	43	3979	0.351	ug/l #	44
76) 1,2,3-Trichloropropane	12.727	75	250210	23.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	250210	71.359	ug/l #	10
95) Naphthalene	15.498	128	1294	3.859	ug/l #	69

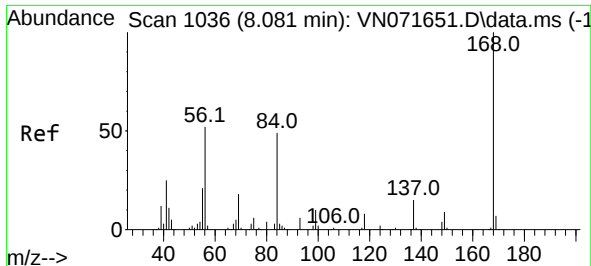
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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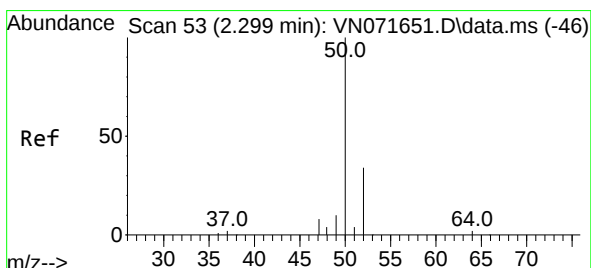
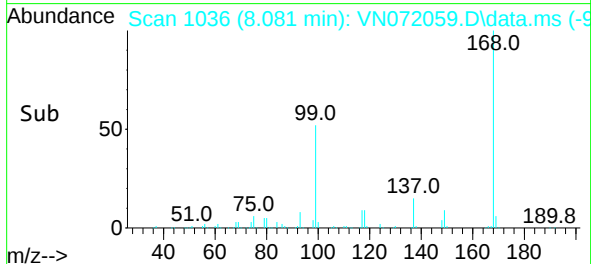
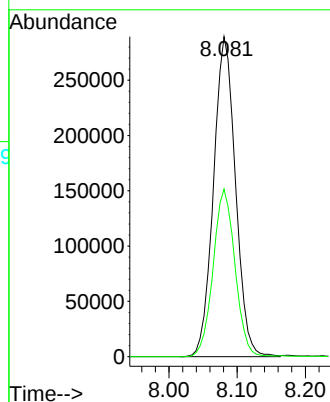
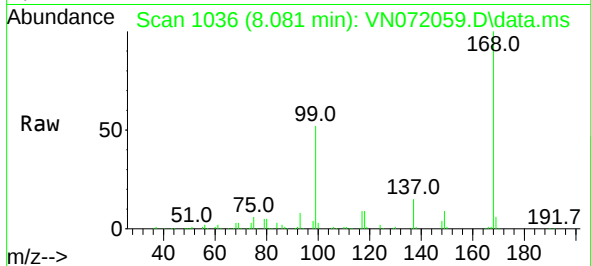




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

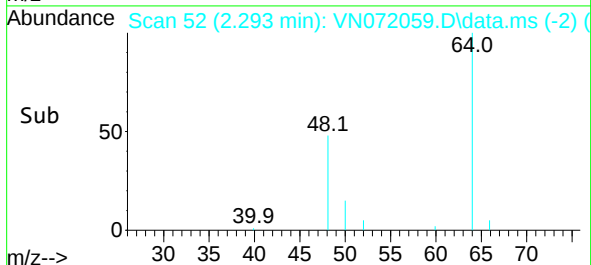
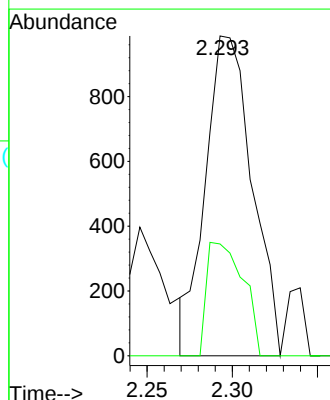
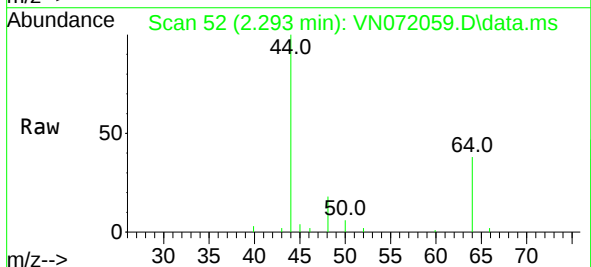
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

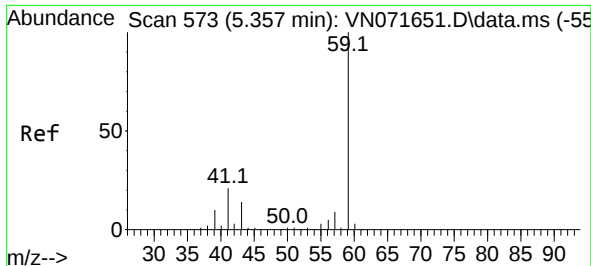
Tgt Ion:168 Resp: 649583
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 50 Resp: 1881
Ion Ratio Lower Upper
50 100
52 35.0 25.7 38.5

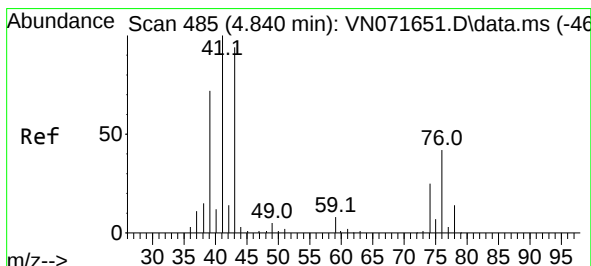
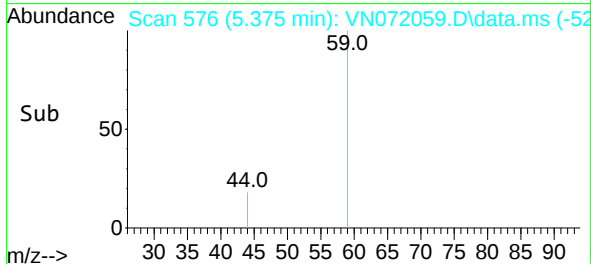
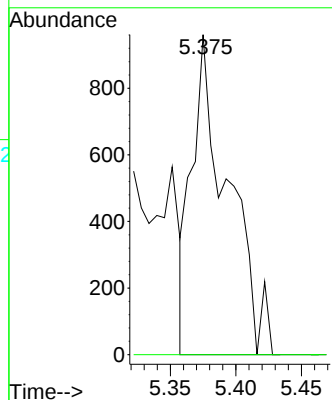
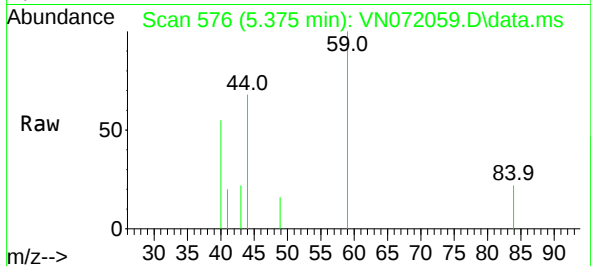




#11
Tert butyl alcohol
Concen: 1.522 ug/l
RT: 5.375 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

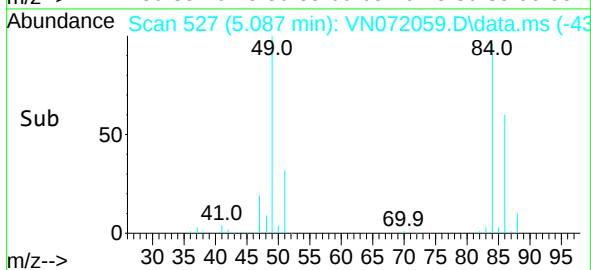
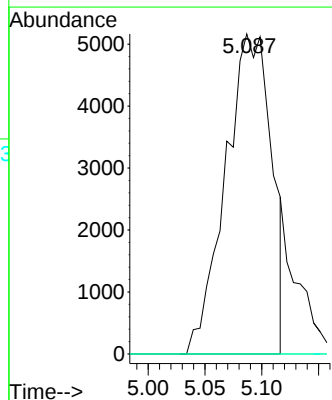
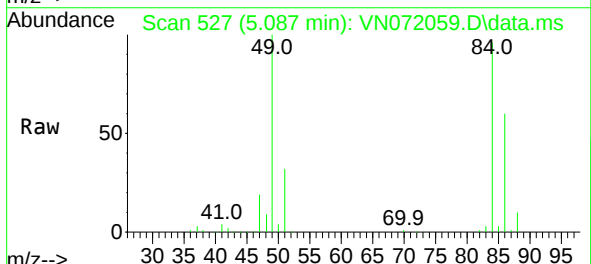
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

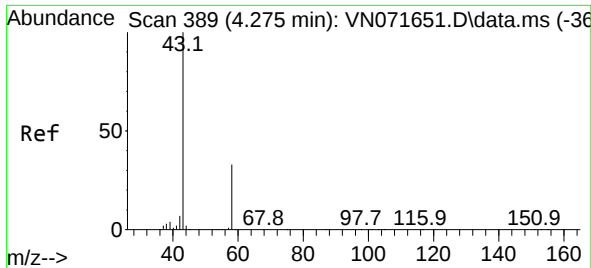
Tgt Ion: 59 Resp: 1832
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 1.682 ug/l
RT: 5.087 min Scan# 527
Delta R.T. 0.247 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 41 Resp: 14636
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

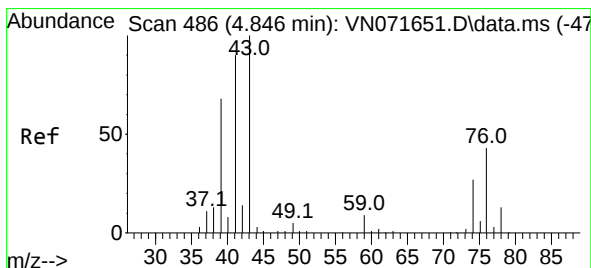
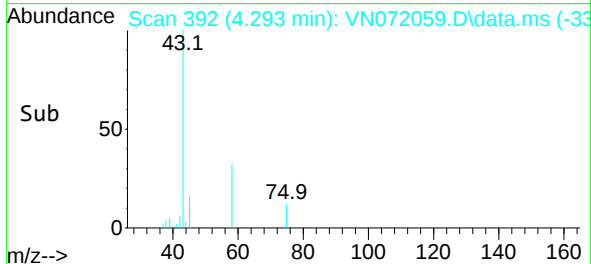
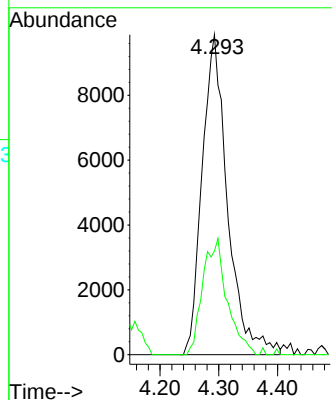
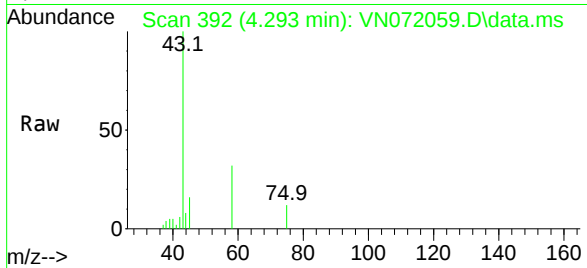




#16
Acetone
Concen: 9.359 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

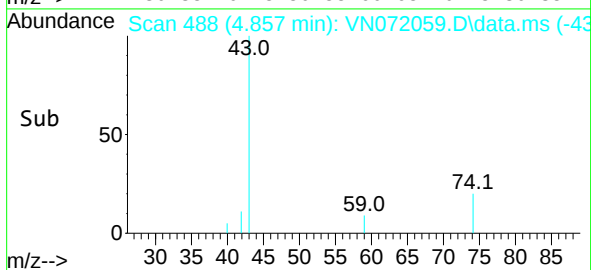
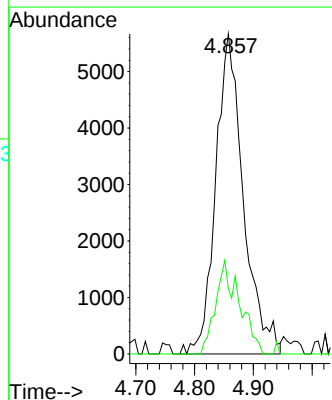
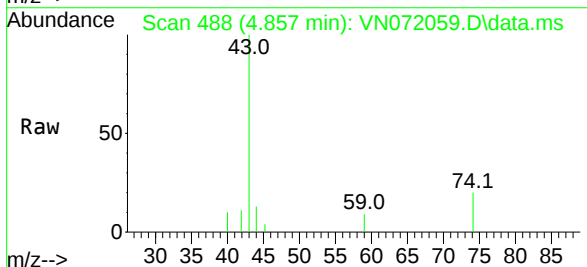
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

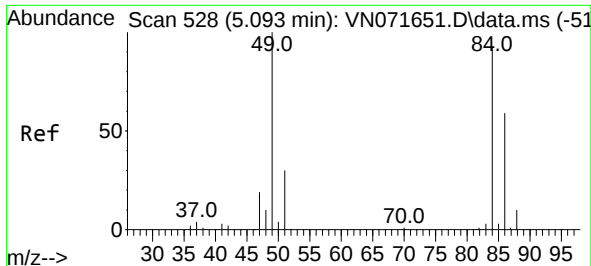
Tgt Ion: 43 Resp: 29661
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 43 Resp: 18562
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4



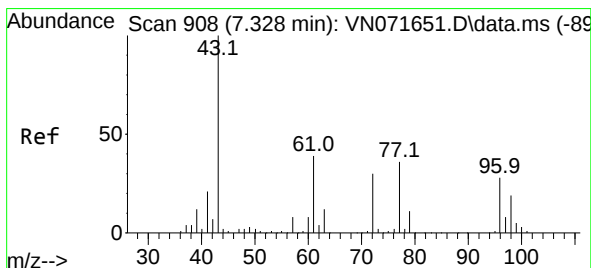
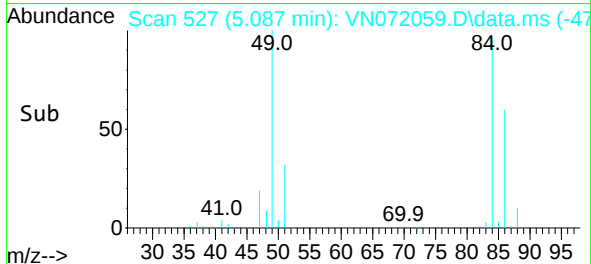
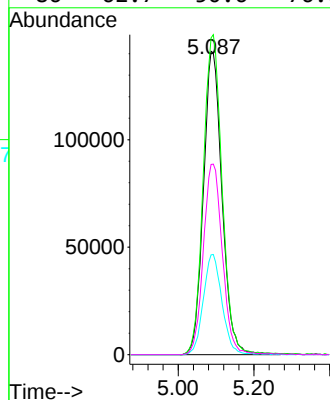
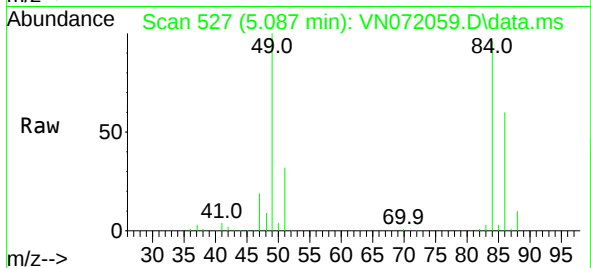


#20
Methylene Chloride
Concen: 71.960 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

Tgt Ion: 84 Resp: 480689

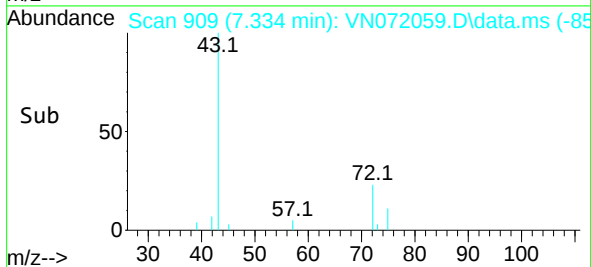
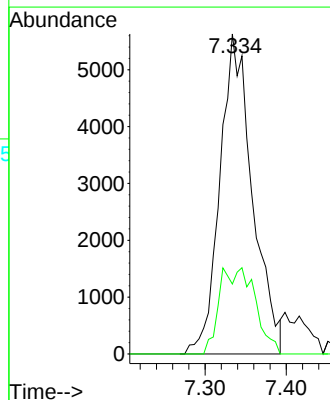
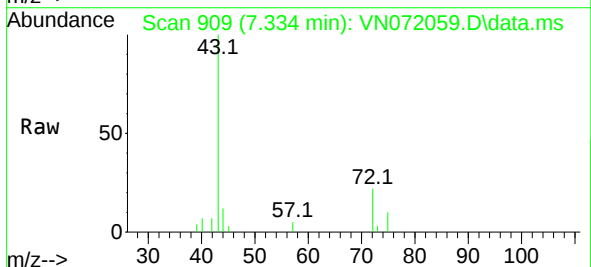
Ion	Ratio	Lower	Upper
84	100		
49	104.4	88.3	132.5
51	32.9	28.2	42.2
86	62.7	50.6	76.0

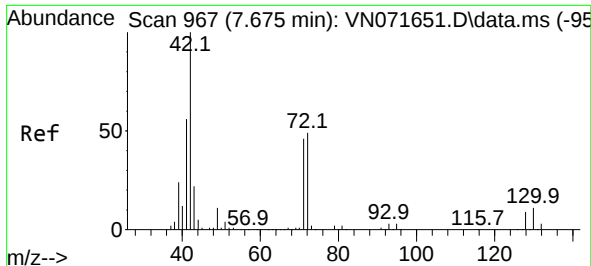


#25
2-Butanone
Concen: 3.429 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 43 Resp: 15667

Ion	Ratio	Lower	Upper
43	100		
72	21.8	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.419 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

RCA-EDISON-PILE-1

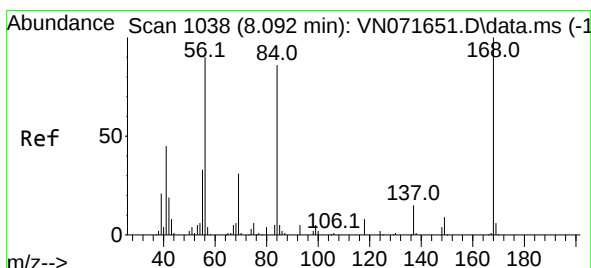
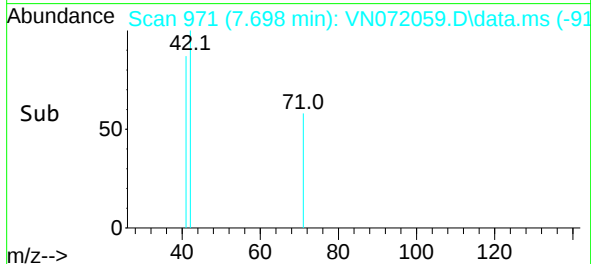
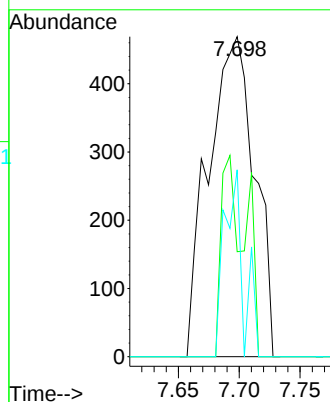
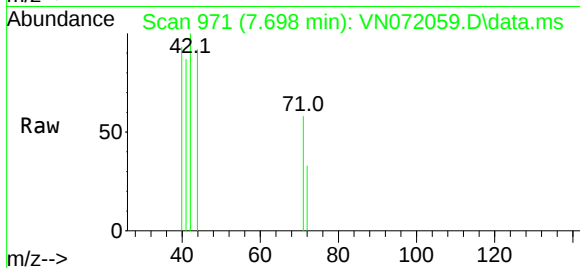
Tgt Ion: 42 Resp: 1239

Ion Ratio Lower Upper

42 100

72 32.5 39.7 59.5#

71 23.9 36.6 55.0#



#31

Cyclohexane

Concen: 1.031 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

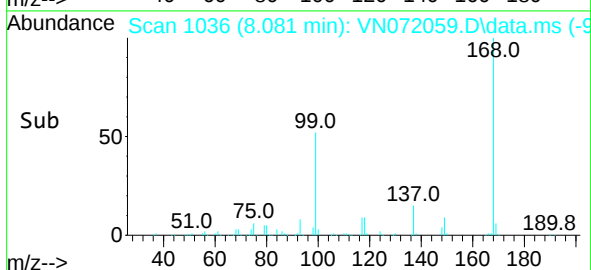
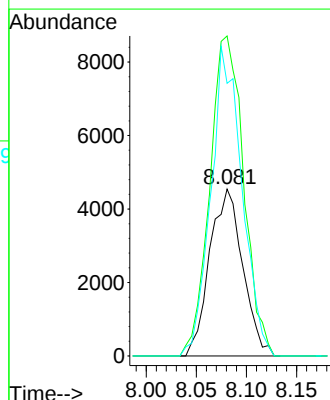
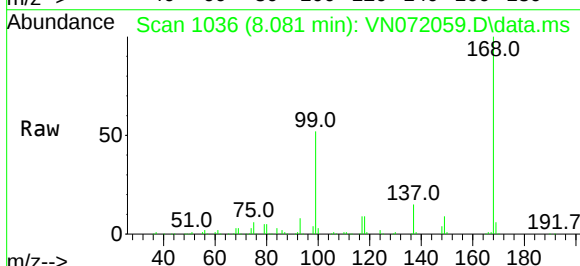
Tgt Ion: 56 Resp: 10399

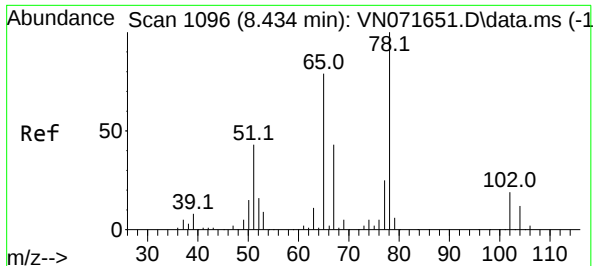
Ion Ratio Lower Upper

56 100

69 191.8 27.8 41.8#

84 163.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.918 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

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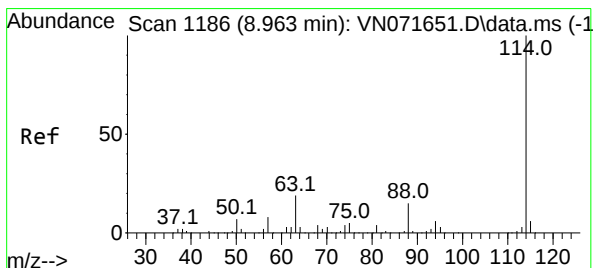
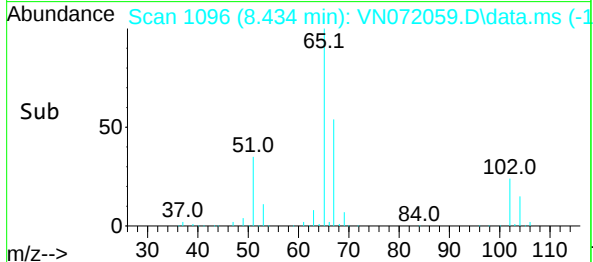
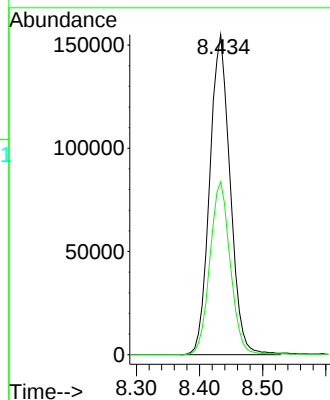
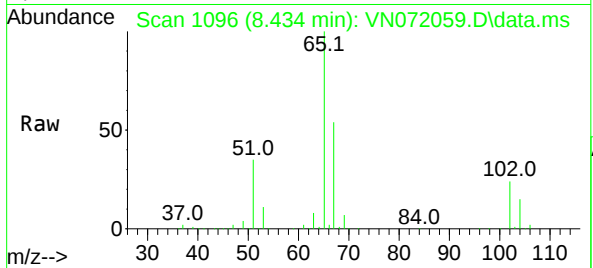
RCA-EDISON-PILE-1

Tgt Ion: 65 Resp: 347932

Ion Ratio Lower Upper

65 100

67 53.9 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: VN072059.D

Acq: 19 Apr 2022 19:03

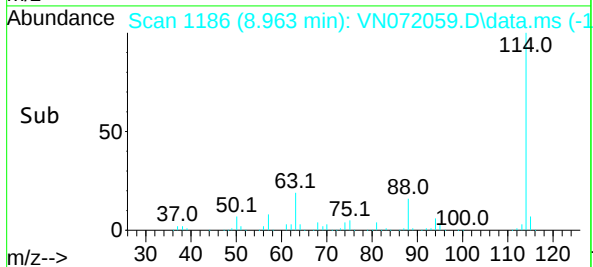
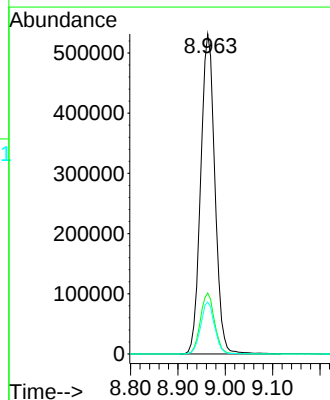
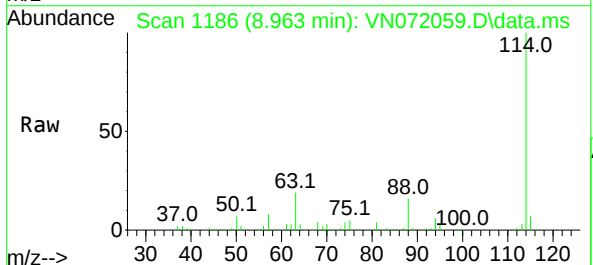
Tgt Ion: 114 Resp: 1107953

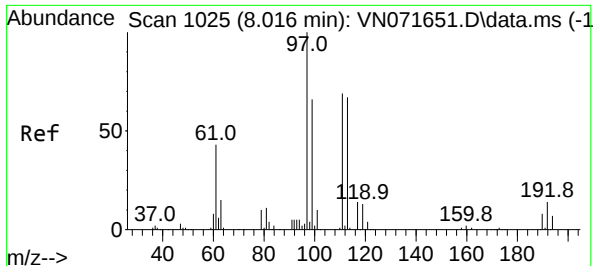
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.228 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

RCA-EDISON-PILE-1

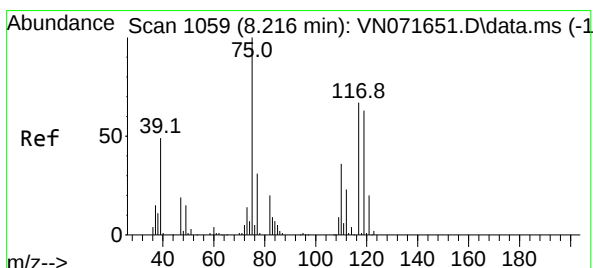
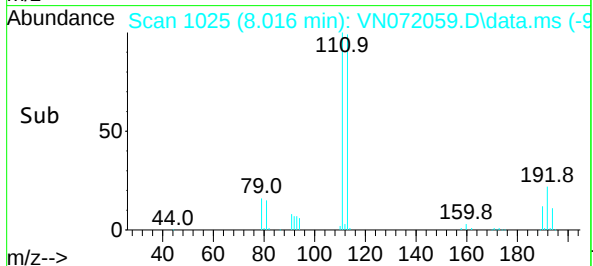
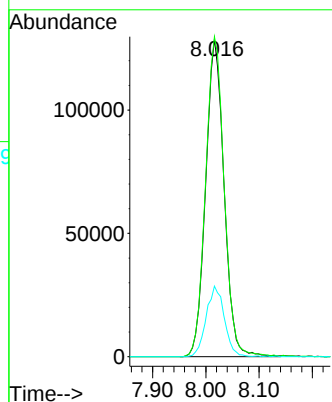
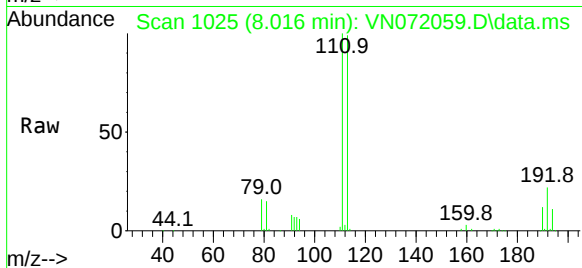
Tgt Ion:113 Resp: 307910

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 22.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.691 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

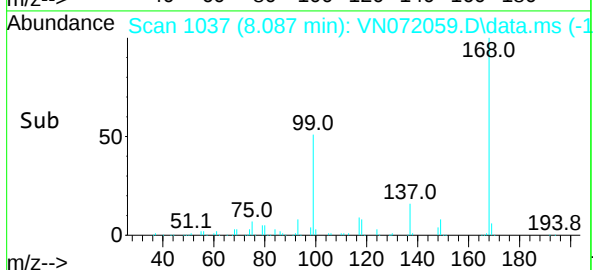
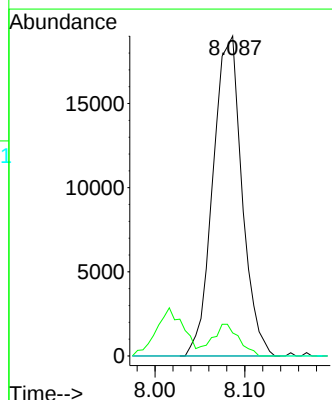
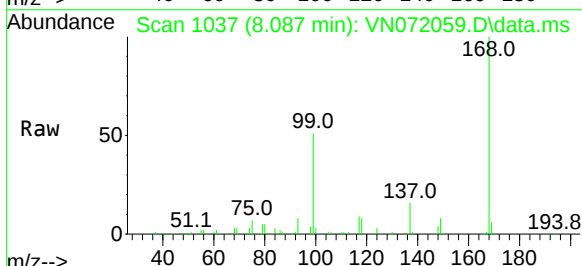
Tgt Ion: 75 Resp: 42706

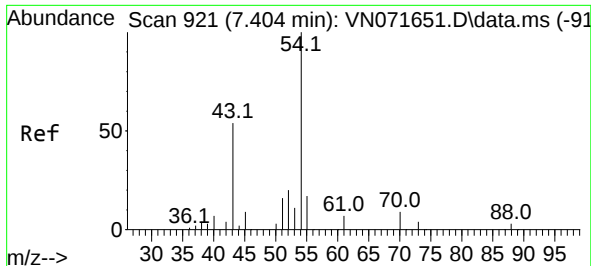
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#

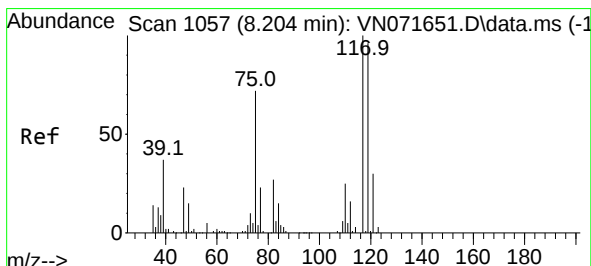
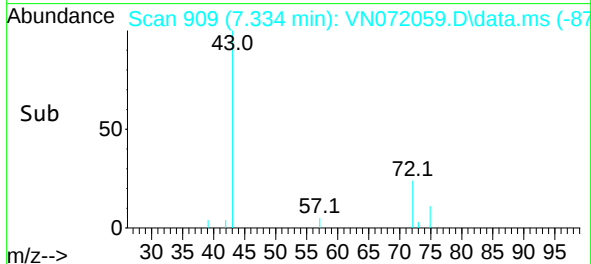
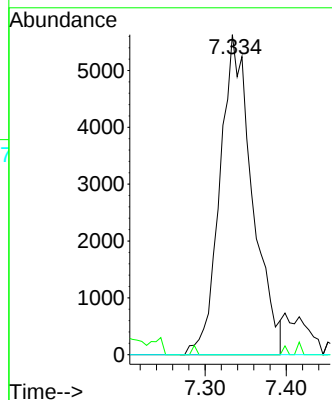
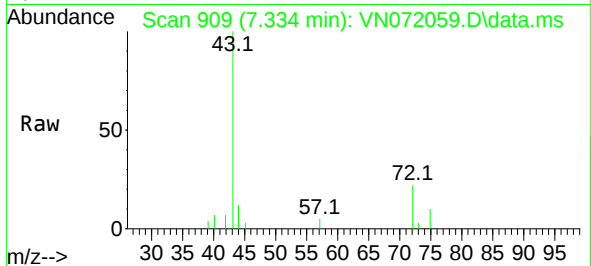




#37
Ethyl Acetate
Concen: 1.572 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.070 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

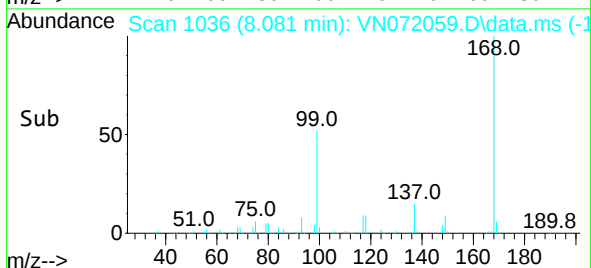
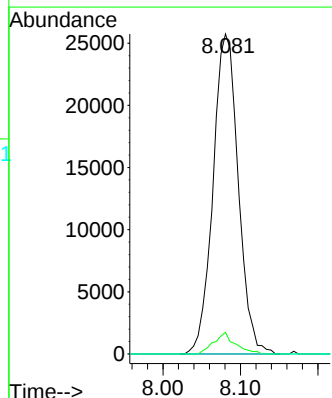
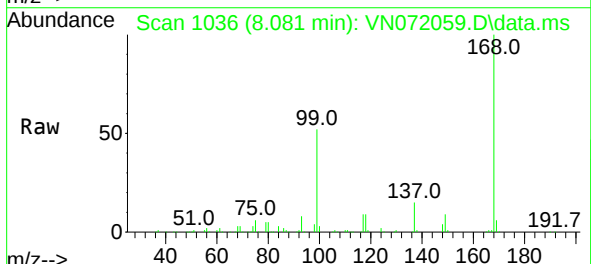
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

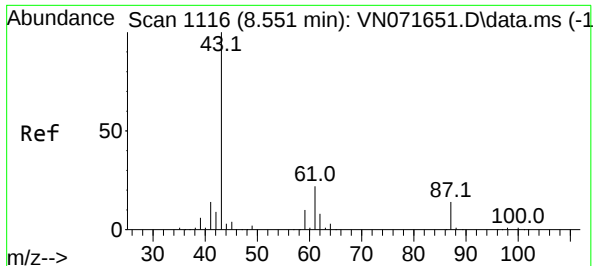
Tgt Ion: 43 Resp: 15667
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 117 Resp: 58299
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#

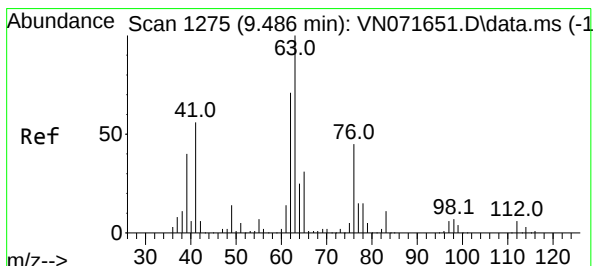
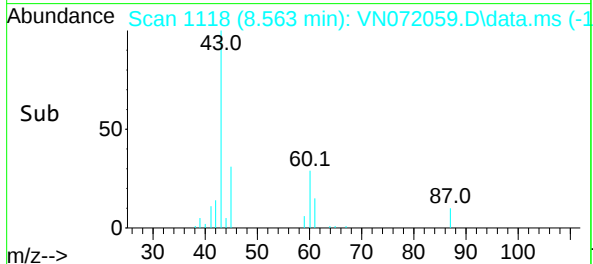
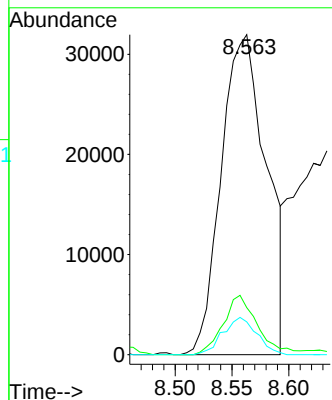
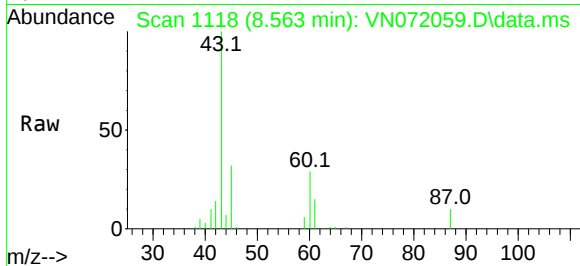




#43
Isopropyl Acetate
Concen: 5.355 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

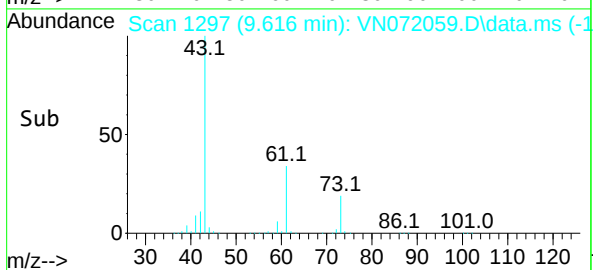
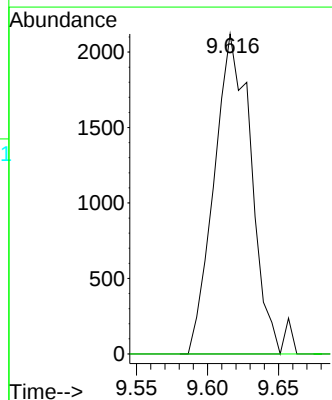
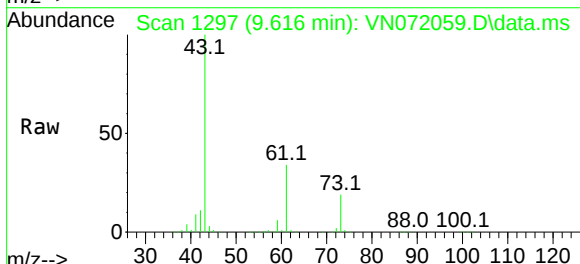
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

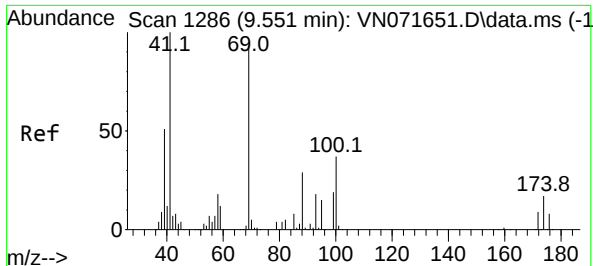
Tgt Ion: 43 Resp: 88756
Ion Ratio Lower Upper
43 100
61 14.1 21.9 32.9#
87 8.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.530 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 63 Resp: 3806
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.304 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

RCA-EDISON-PILE-1

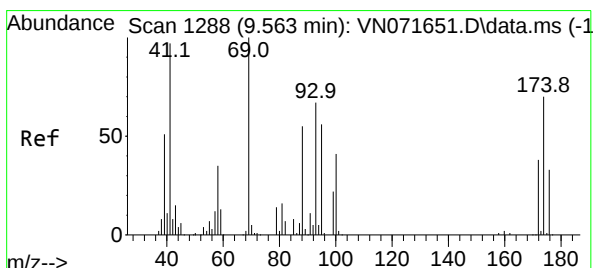
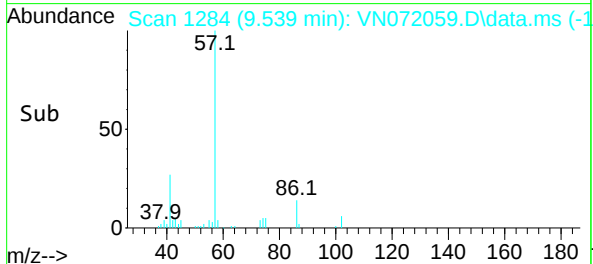
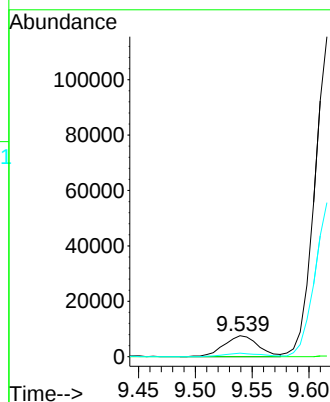
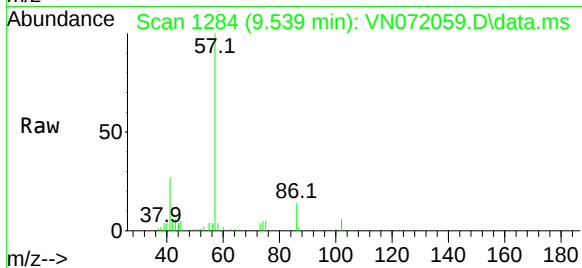
Tgt Ion: 41 Resp: 15842

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072059.D

Acq: 19 Apr 2022 19:03

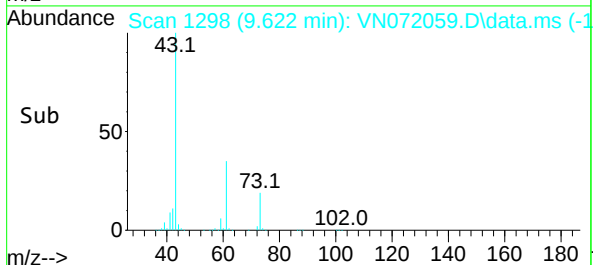
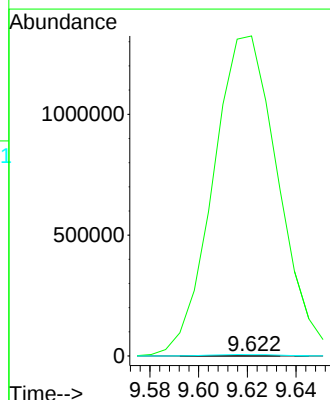
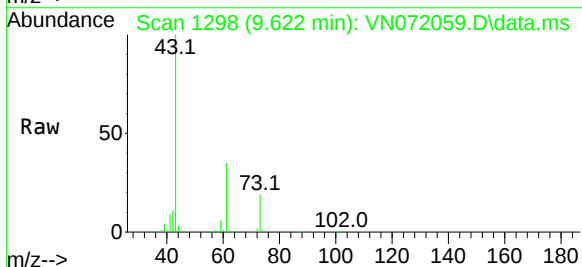
Tgt Ion: 88 Resp: 311

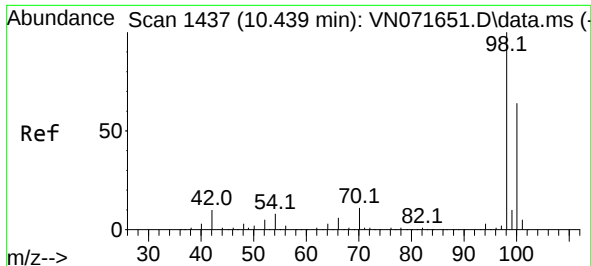
Ion Ratio Lower Upper

88 100

43 808633.8 20.2 30.4#

58 3809.3 54.2 81.4#

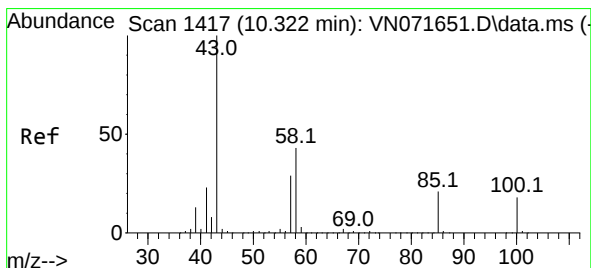
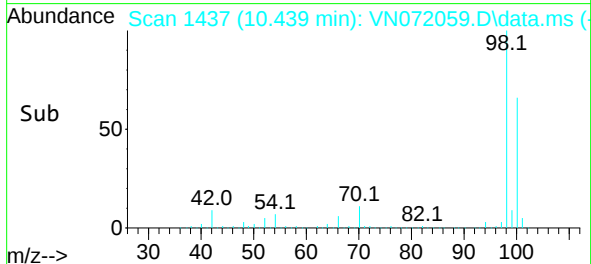
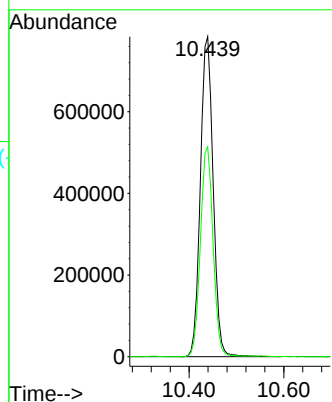
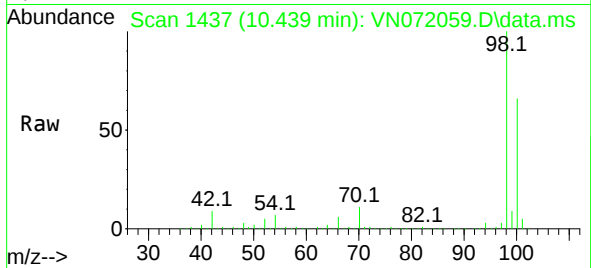




#50
Toluene-d8
Concen: 54.861 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

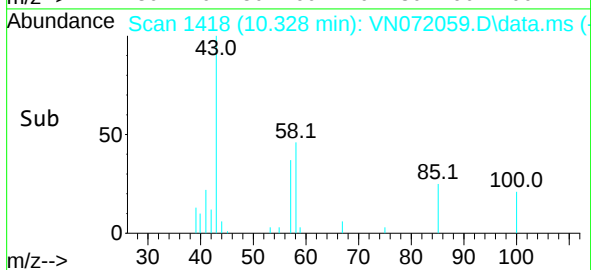
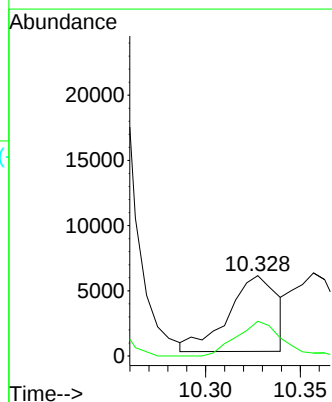
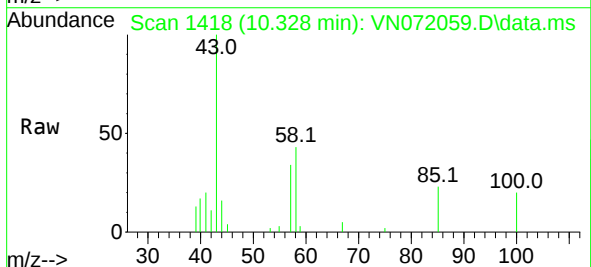
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

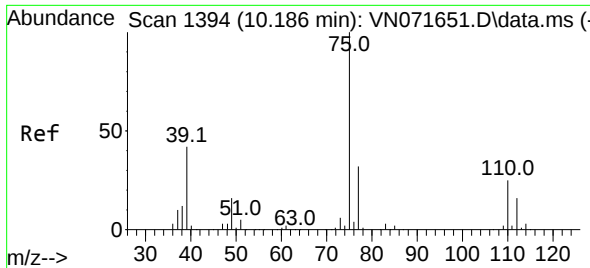
Tgt Ion: 98 Resp: 1463171
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.098 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 43 Resp: 10460
Ion Ratio Lower Upper
43 100
58 42.2 34.1 51.1

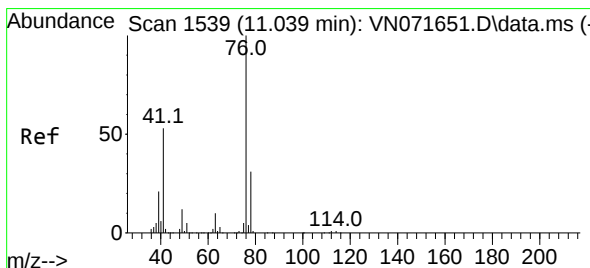
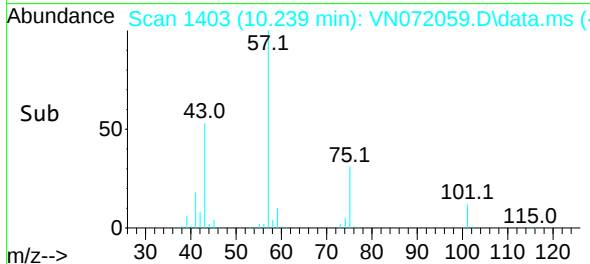
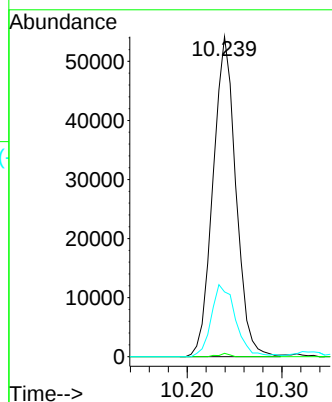
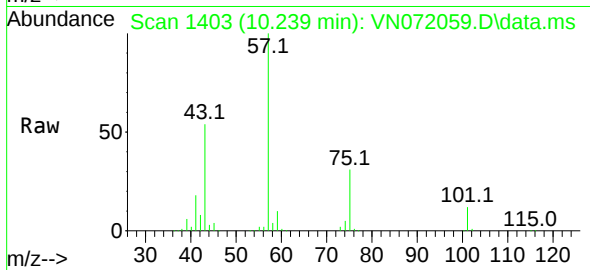




#54
 cis-1,3-Dichloropropene
 Concen: 8.170 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072059.D
 Acq: 19 Apr 2022 19:03

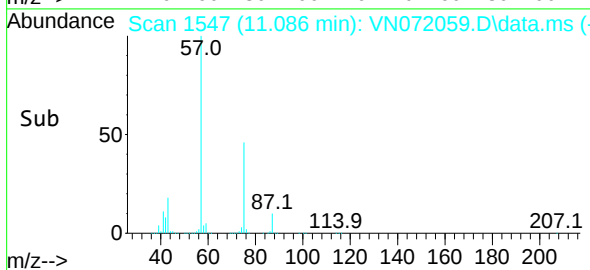
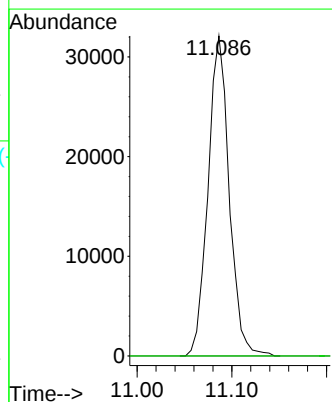
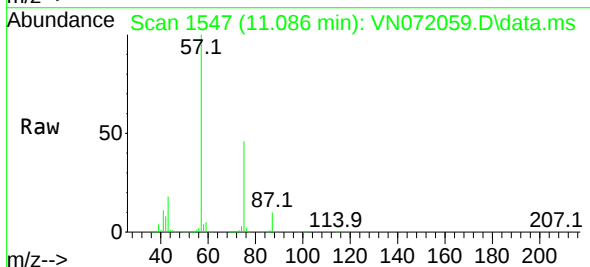
Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-EDISON-PILE-1

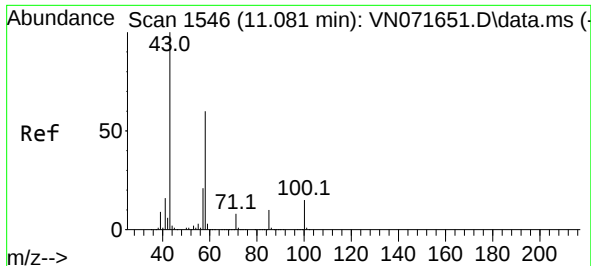
Tgt Ion: 75 Resp: 90853
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.2 37.8#
 39 20.2 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 3.988 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072059.D
 Acq: 19 Apr 2022 19:03

Tgt Ion: 76 Resp: 49894
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

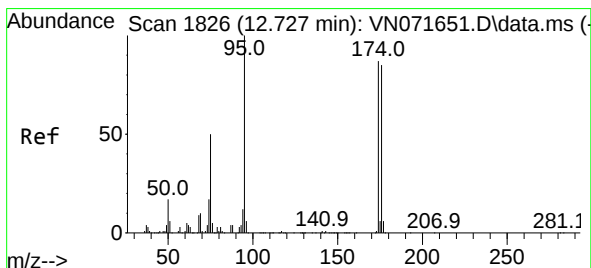
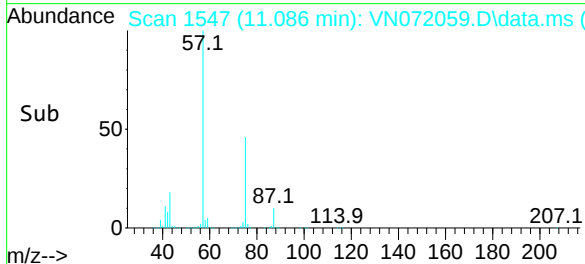
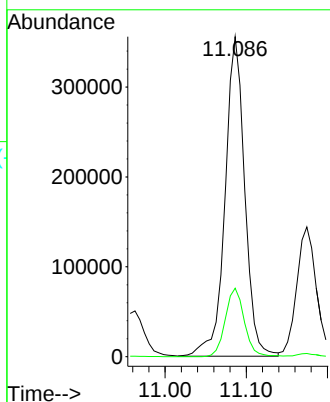
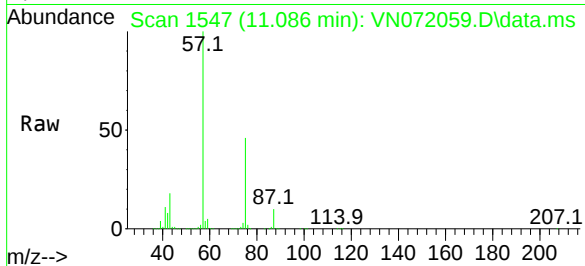




#59
2-Hexanone
Concen: 89.357 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

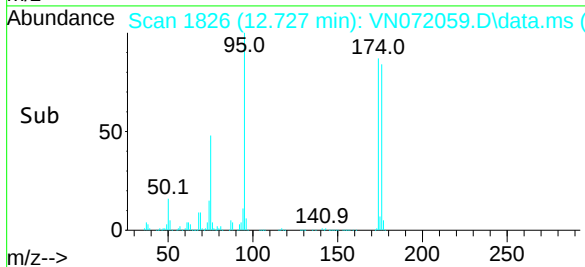
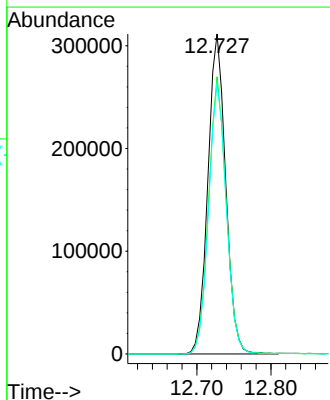
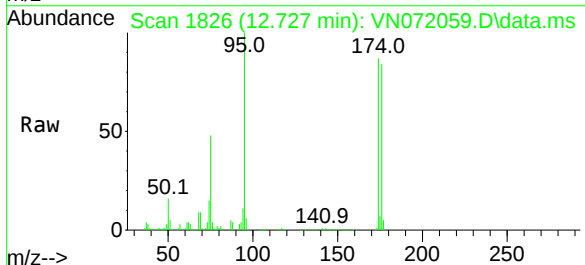
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

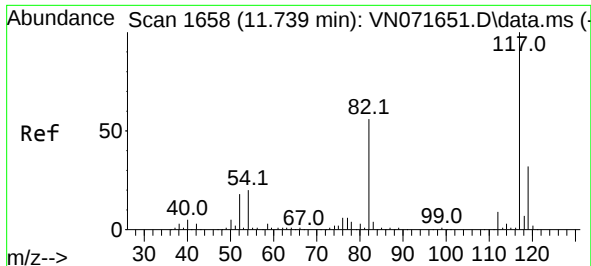
Tgt Ion: 43 Resp: 599539
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 60.182 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 95 Resp: 519109
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.6
176 83.9 0.0 163.4

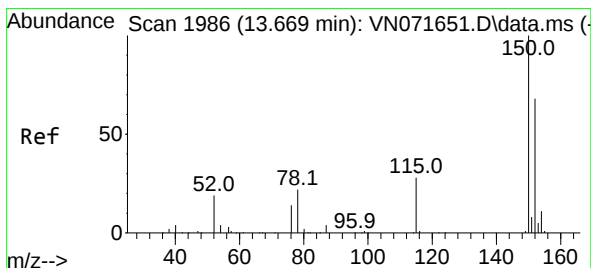
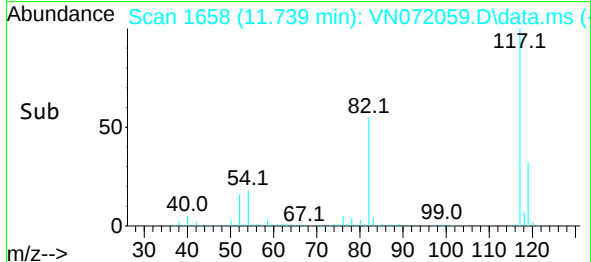
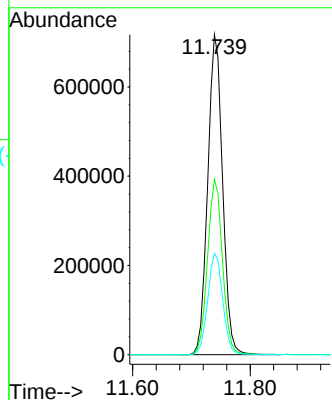
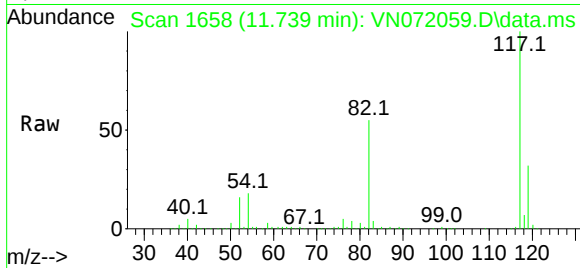




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

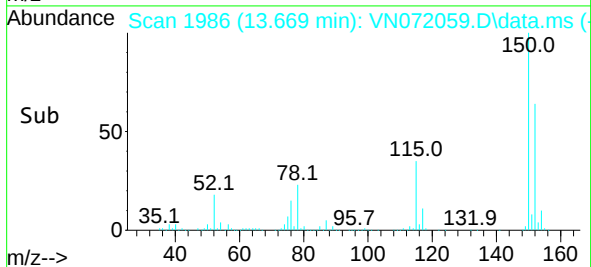
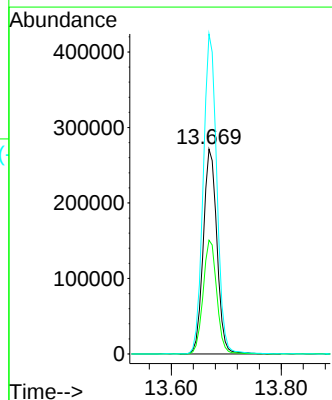
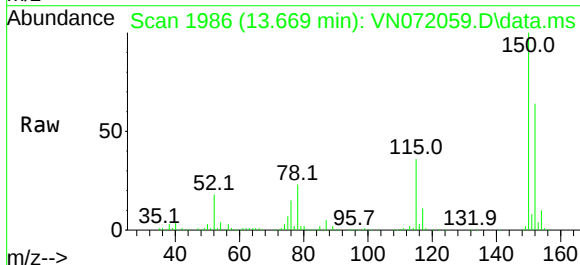
Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

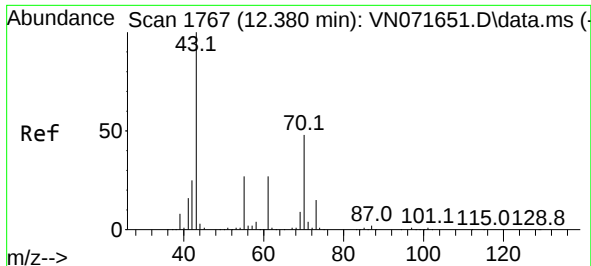
Tgt Ion:117 Resp: 1257971
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

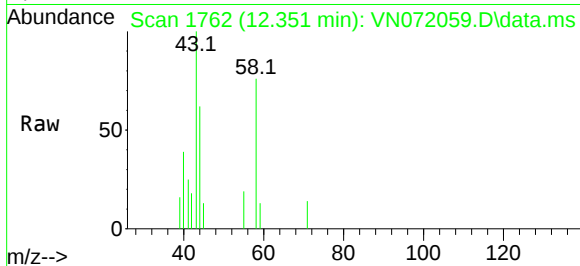
Tgt Ion:152 Resp: 469056
Ion Ratio Lower Upper
152 100
115 55.6 28.9 86.7
150 155.7 0.0 356.2



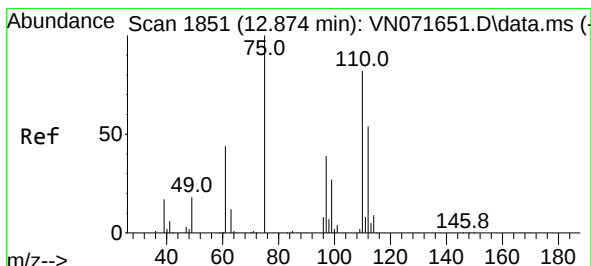
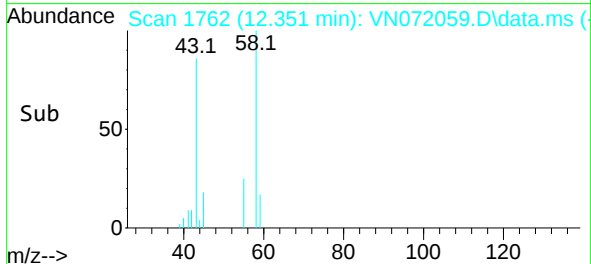
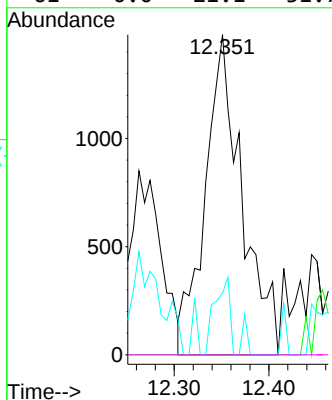


#74
N-amy1 acetate
Concen: 0.351 ug/l
RT: 12.351 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

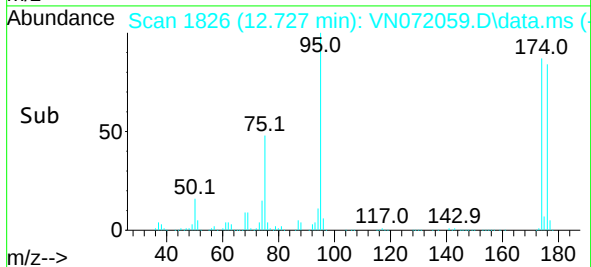
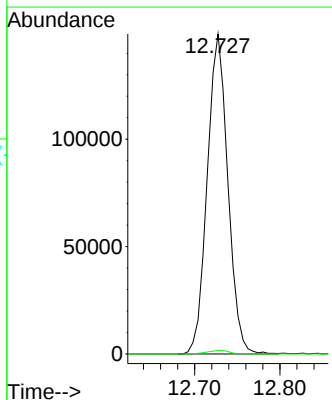
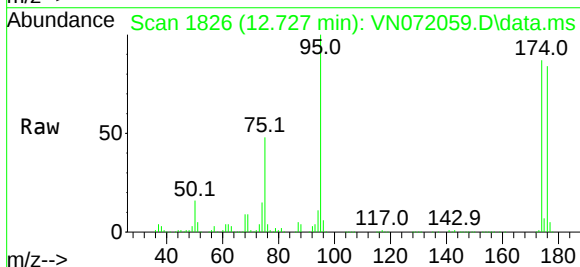


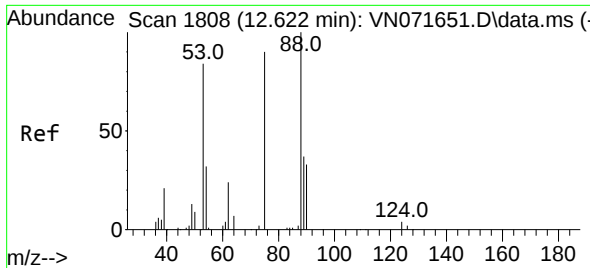
Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 10.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.027 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion: 75 Resp: 250210
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

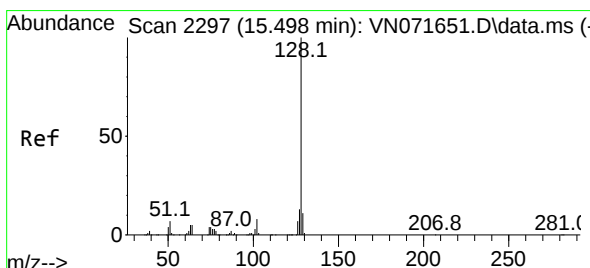
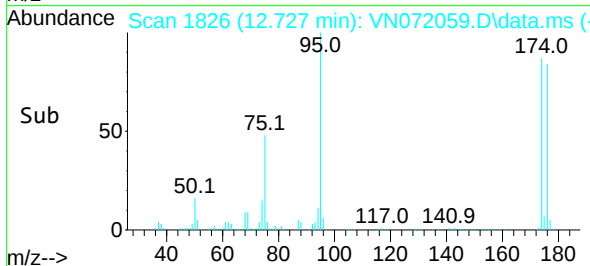
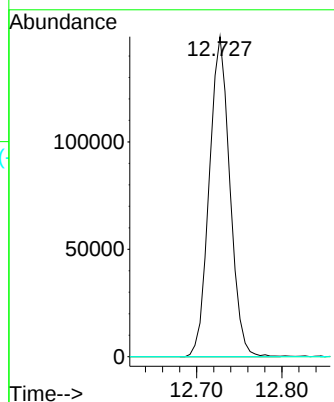
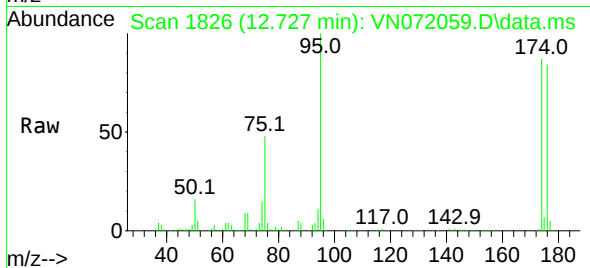




#81
trans-1,4-Dichloro-2-butene
Concen: 71.359 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Instrument :
MSVOA_N
ClientSampleId :
RCA-EDISON-PILE-1

Tgt Ion: 75 Resp: 250210
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.859 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072059.D
Acq: 19 Apr 2022 19:03

Tgt Ion:128 Resp: 1294
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

