

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072731.D
 Acq On : 09 Jun 2022 15:27
 Operator : JC\MD
 Sample : N3181-03 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1279

Quant Time: Jun 09 16:05:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

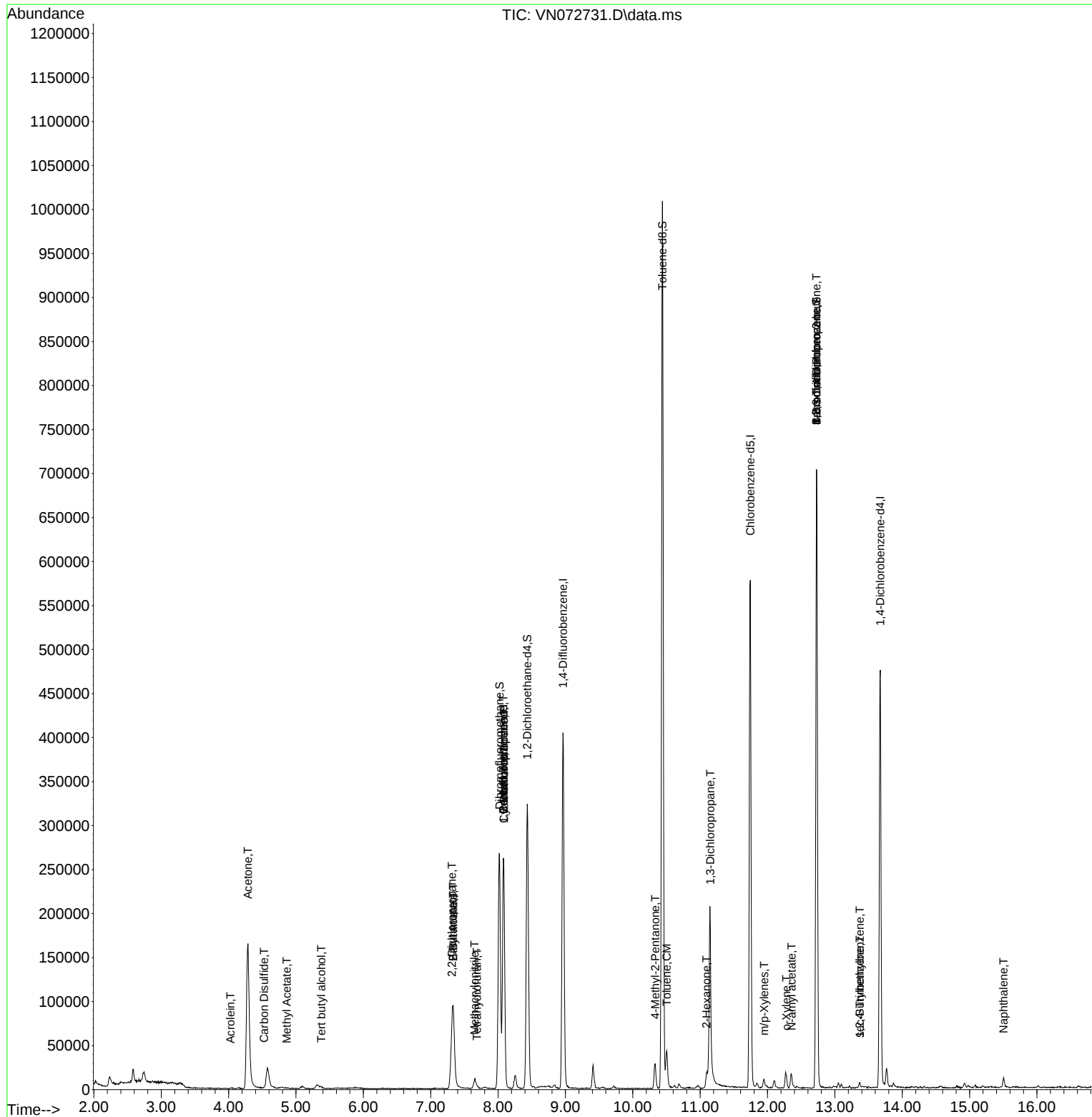
Internal Standards						
1) Pentafluorobenzene	8.081	168	170778	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	327554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	305215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	117007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	273887	59.754	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 119.500%			
35) Dibromofluoromethane	8.022	113	192896	59.516	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 119.040%			
50) Toluene-d8	10.439	98	654505	50.614	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.727	95	242964	54.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.500%			
Target Compounds						
						Qvalue
5) Bromomethane	2.863	94	269	Below Cal	#	66
6) Chloroethane	2.940	64	223	Below Cal	#	42
11) Tert butyl alcohol	5.375	59	2340	2.140	ug/l	# 72
13) Acrolein	4.028	56	178	0.394	ug/l	95
16) Acetone	4.287	43	319689	145.557	ug/l	95
17) Carbon Disulfide	4.528	76	519	0.373	ug/l	# 75
18) Methyl Acetate	4.863	43	1274	0.223	ug/l	# 48
25) 2-Butanone	7.334	43	133438	37.768	ug/l	90
26) 2,2-Dichloropropane	7.316	77	2672	0.494	ug/l	# 53
29) Tetrahydrofuran	7.686	42	1212	0.555	ug/l	# 41
31) Cyclohexane	8.086	56	5637	0.457	ug/l	# 24
36) 1,1-Dichloropropene	8.086	75	17297	3.845	ug/l	# 49
37) Ethyl Acetate	7.334	43	133438	19.091	ug/l	# 69
38) Carbon Tetrachloride	8.081	117	21168	4.403	ug/l	# 19
41) Methacrylonitrile	7.651	41	1598	0.678	ug/l	# 26
51) 4-Methyl-2-Pentanone	10.333	43	22245	3.138	ug/l	91
52) Toluene	10.504	92	15709	1.843	ug/l	96
57) 1,3-Dichloropropane	11.151	76	1373	0.209	ug/l	# 42
59) 2-Hexanone	11.092	43	8468	1.624	ug/l	69
68) m/p-Xylenes	11.951	106	2992	0.551	ug/l	97
69) o-Xylene	12.280	106	1394	0.255	ug/l	77
71) Bromoform	12.727	173	1305	0.573	ug/l	# 28
74) N-amyl acetate	12.357	43	13645	2.339	ug/l	# 43
76) 1,2,3-Trichloropropane	12.727	75	140591	37.235	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	140591	97.380	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.368	105	3730	0.392	ug/l	84
85) sec-Butylbenzene	13.368	105	3730	0.316	ug/l	# 56
95) Naphthalene	15.504	128	9804	1.275	ug/l	99

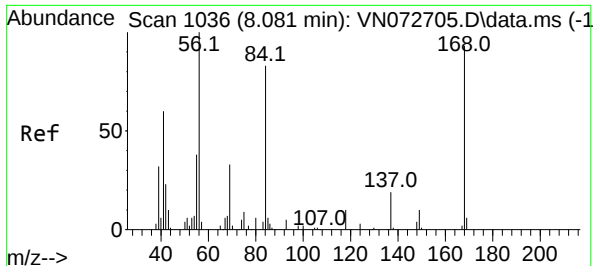
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
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Response via : Initial Calibration

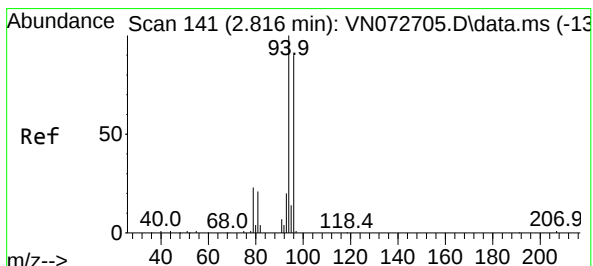
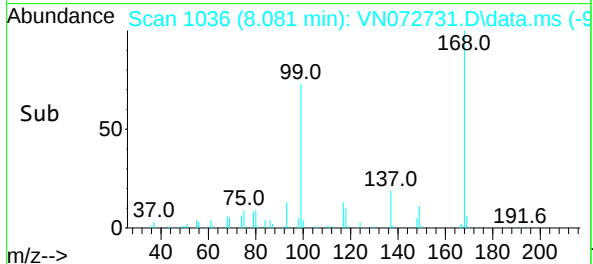
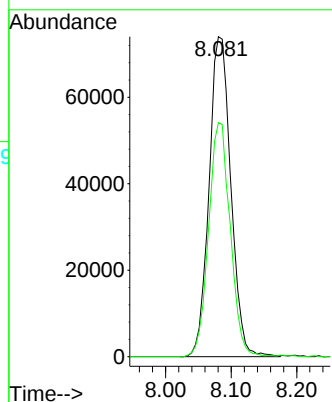
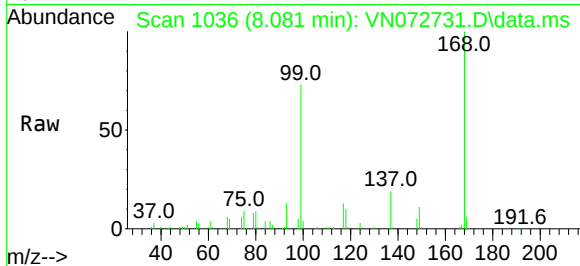




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

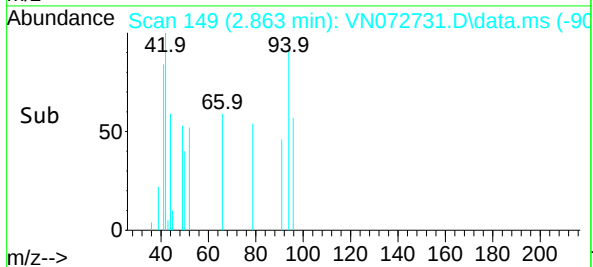
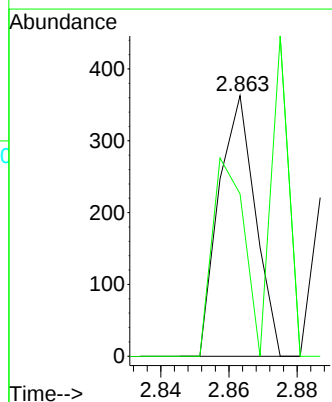
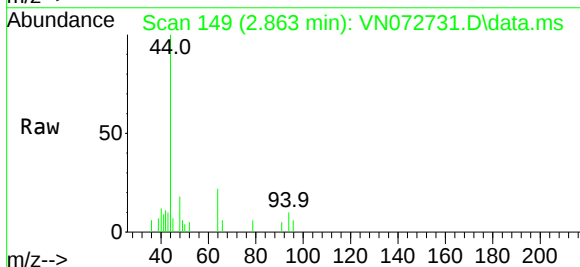
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

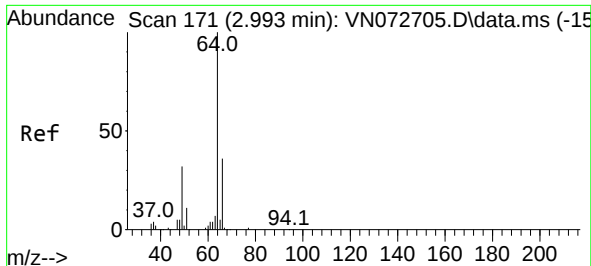
Tgt Ion:168 Resp: 170778
Ion Ratio Lower Upper
168 100
99 73.2 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 149
Delta R.T. 0.047 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 62.3 76.0 114.0#

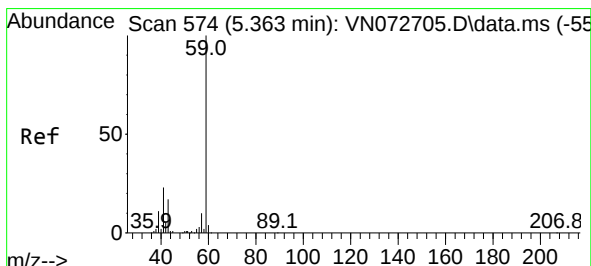
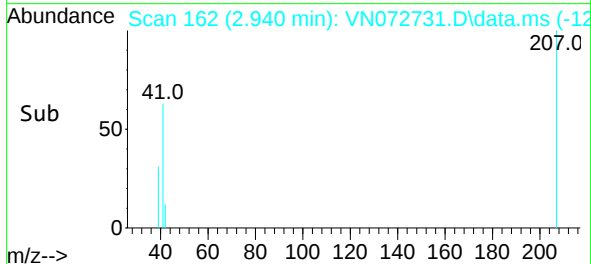
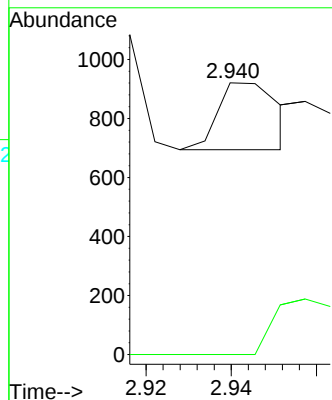
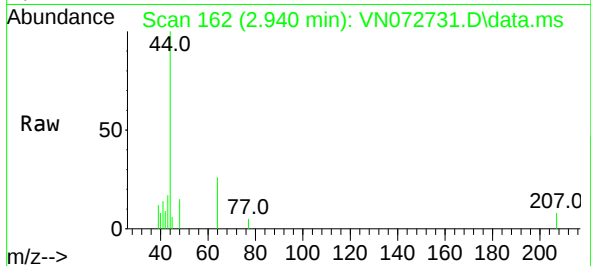




#6
Chloroethane
Concen: Below Cal
RT: 2.940 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

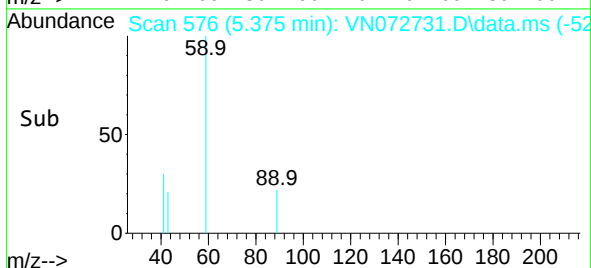
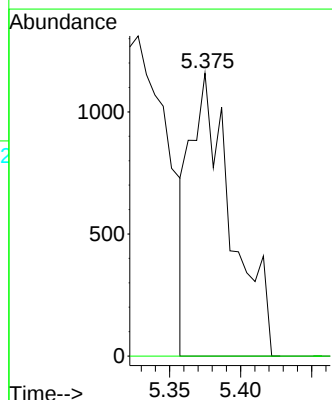
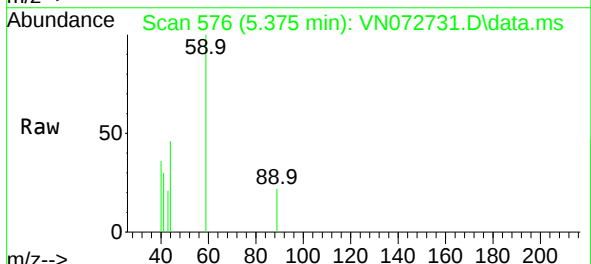
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

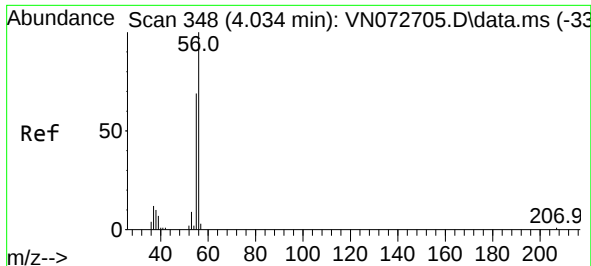
Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.140 ug/l
RT: 5.375 min Scan# 576
Delta R.T. 0.012 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 59 Resp: 2340
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

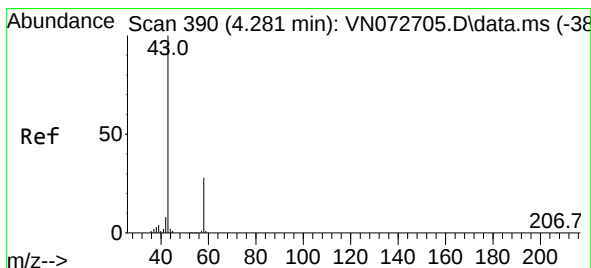
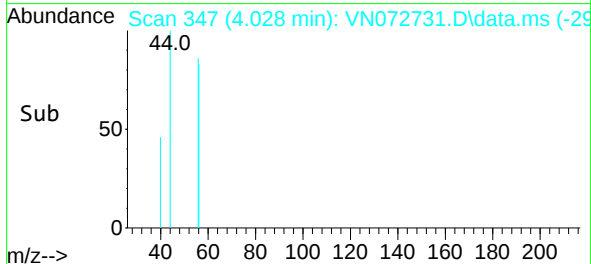
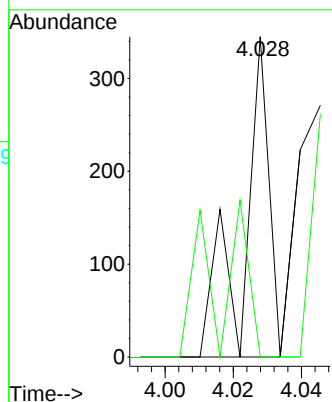
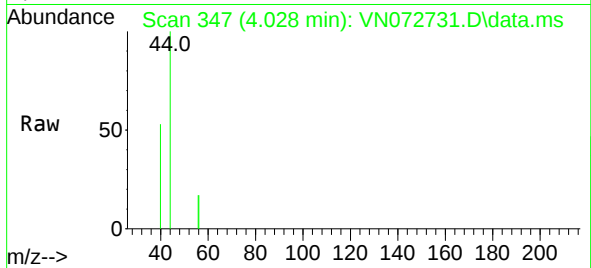




#13
Acrolein
Concen: 0.394 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

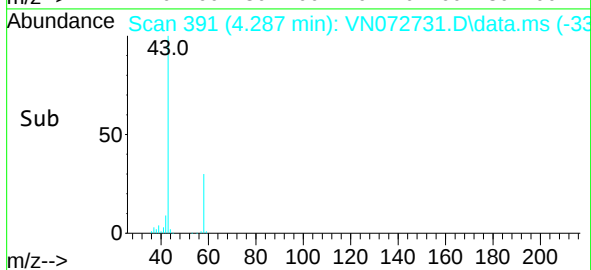
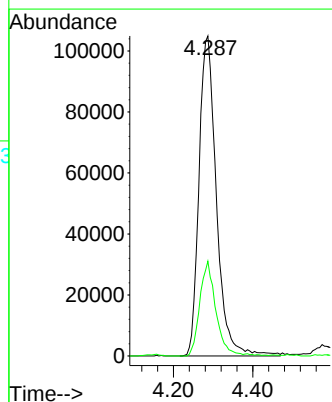
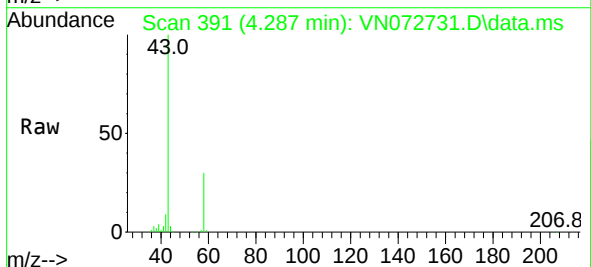
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

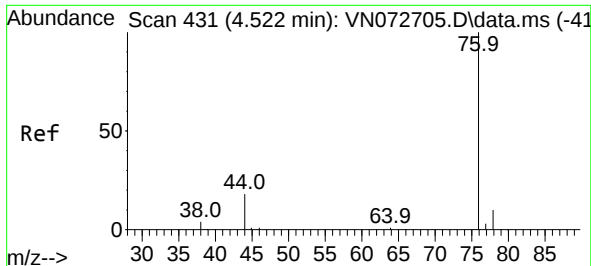
Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 64.6 54.8 82.2



#16
Acetone
Concen: 145.557 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 43 Resp: 319689
Ion Ratio Lower Upper
43 100
58 29.6 26.0 39.0





#17

Carbon Disulfide

Concen: 0.373 ug/l

RT: 4.528 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

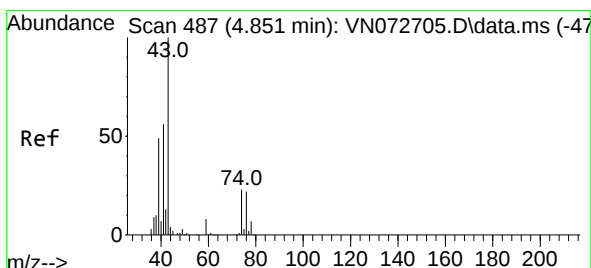
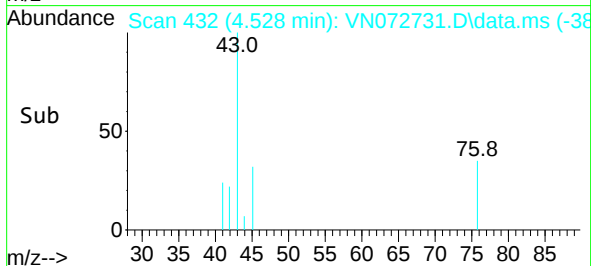
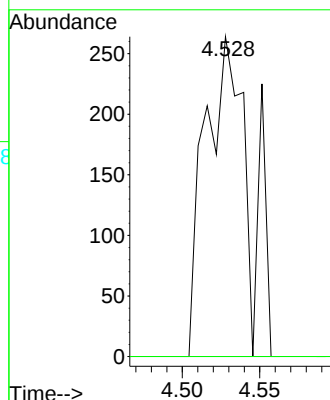
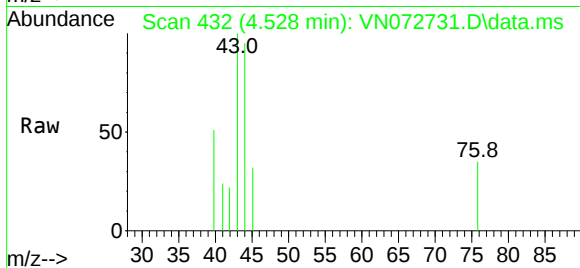
TRE-1279

Tgt Ion: 76 Resp: 519

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 4.863 min Scan# 489

Delta R.T. 0.012 min

Lab File: VN072731.D

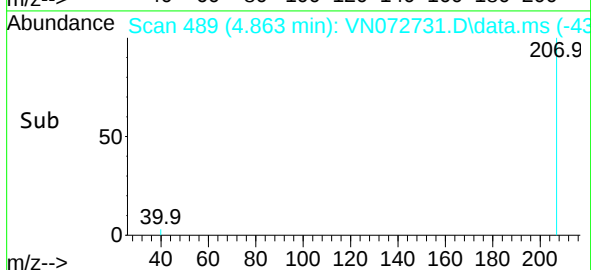
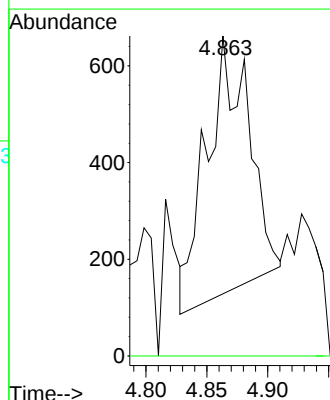
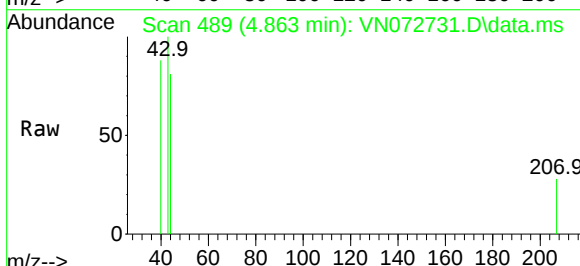
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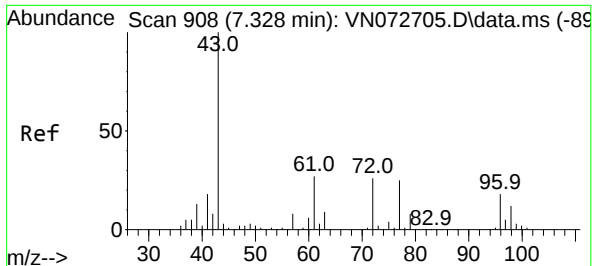
Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#

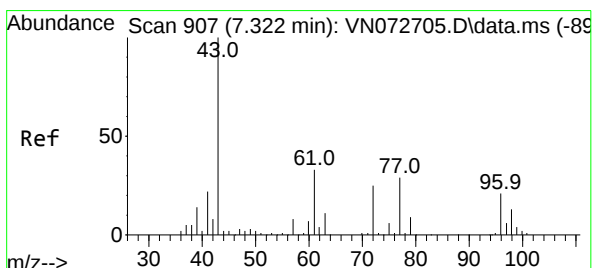
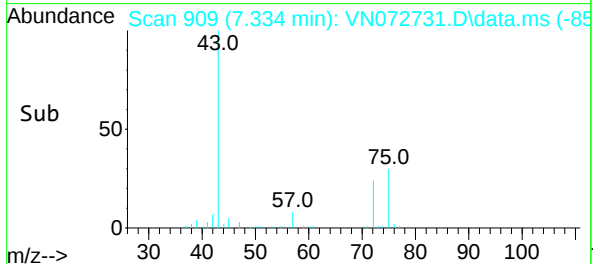
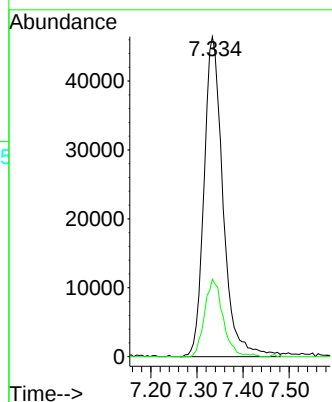
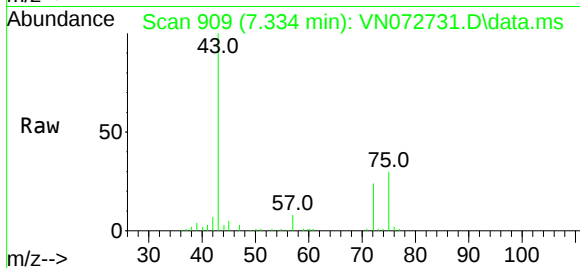




#25
2-Butanone
Concen: 37.768 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

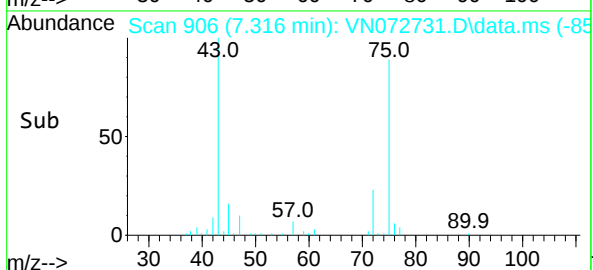
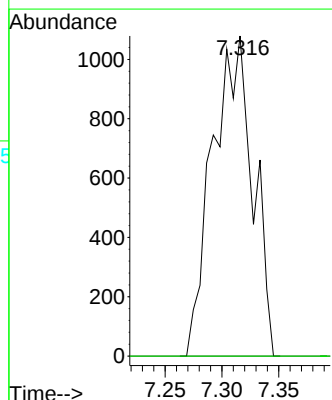
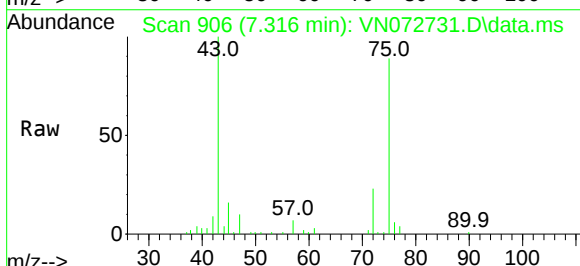
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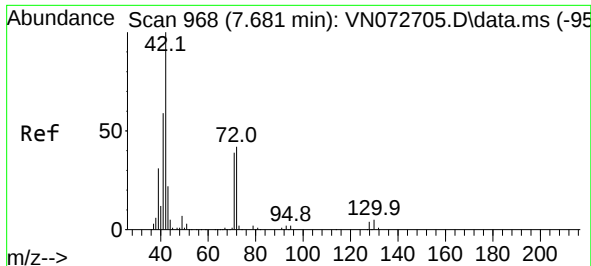
Tgt Ion: 43 Resp: 133438
Ion Ratio Lower Upper
43 100
72 24.2 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.494 ug/l
RT: 7.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 77 Resp: 2672
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.555 ug/l

RT: 7.686 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

TRE-1279

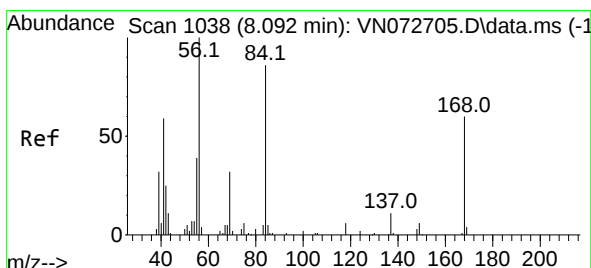
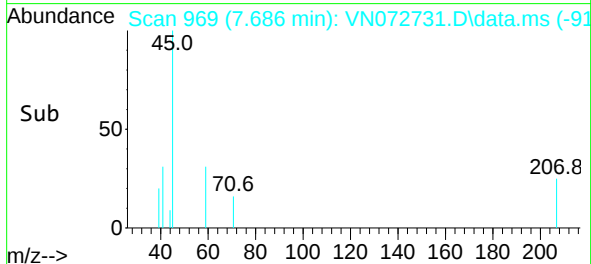
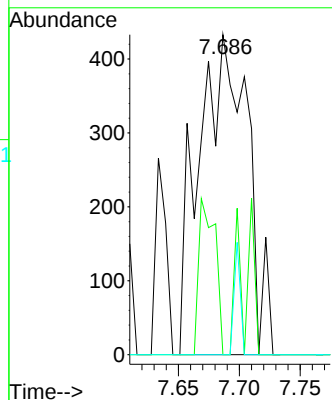
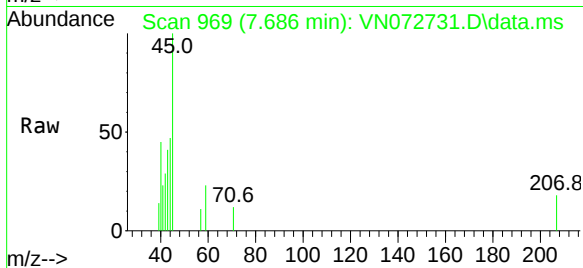
Tgt Ion: 42 Resp: 1212

Ion Ratio Lower Upper

42 100

72 16.3 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 0.457 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

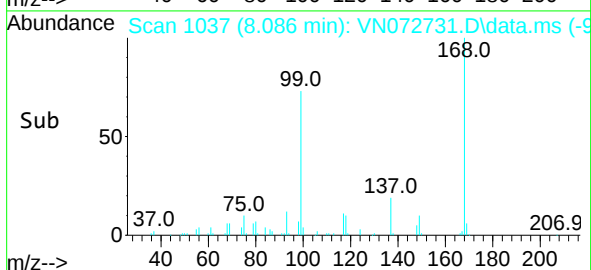
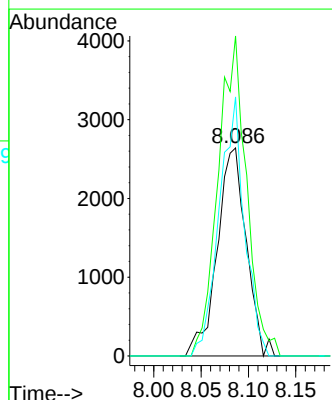
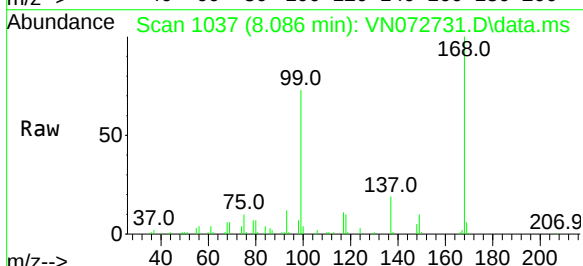
Tgt Ion: 56 Resp: 5637

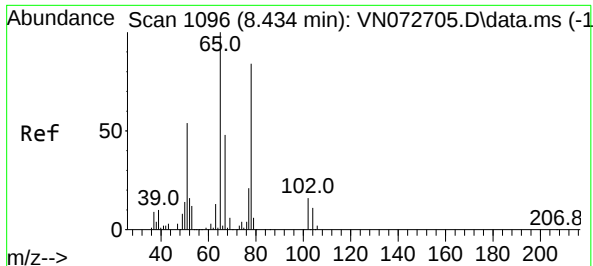
Ion Ratio Lower Upper

56 100

69 153.9 27.8 41.8#

84 124.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 59.754 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

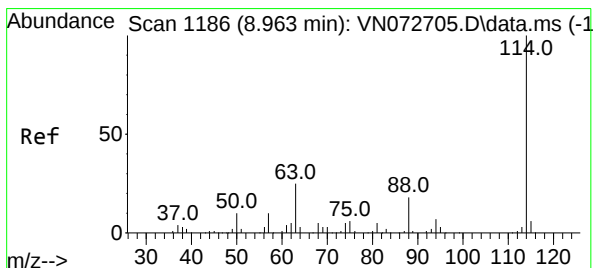
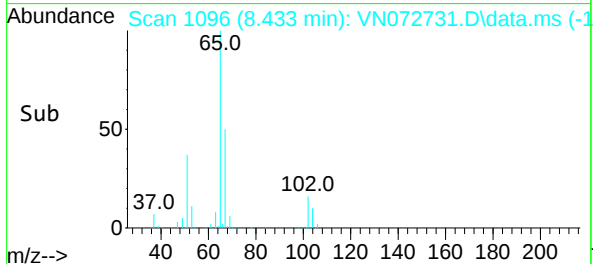
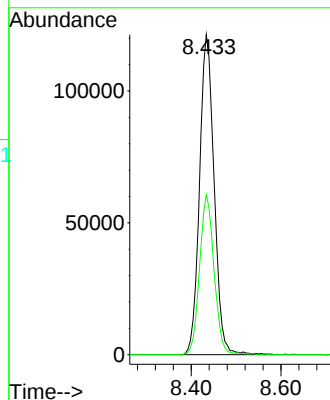
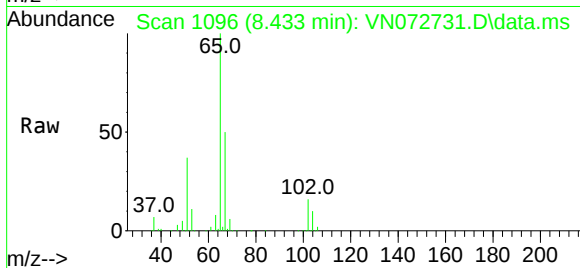
TRE-1279

Tgt Ion: 65 Resp: 273887

Ion Ratio Lower Upper

65 100

67 49.7 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: VN072731.D

Acq: 09 Jun 2022 15:27

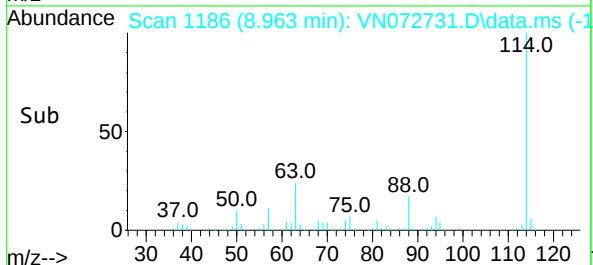
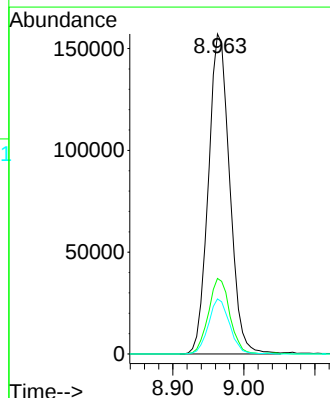
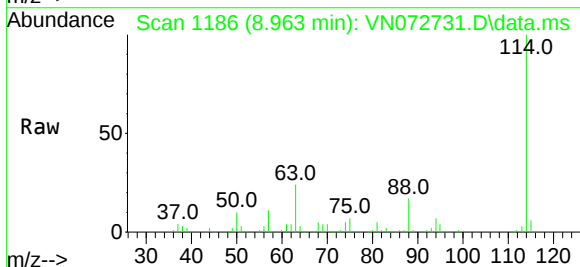
Tgt Ion: 114 Resp: 327554

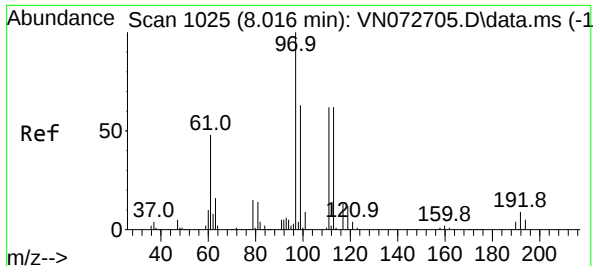
Ion Ratio Lower Upper

114 100

63 23.6 0.0 40.0

88 17.2 0.0 32.6

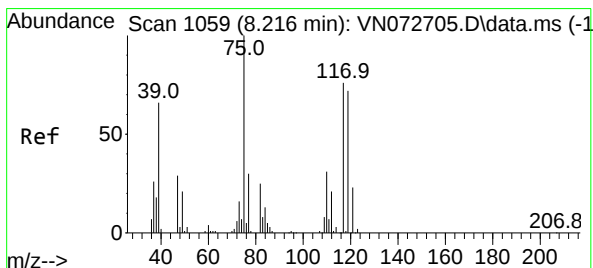
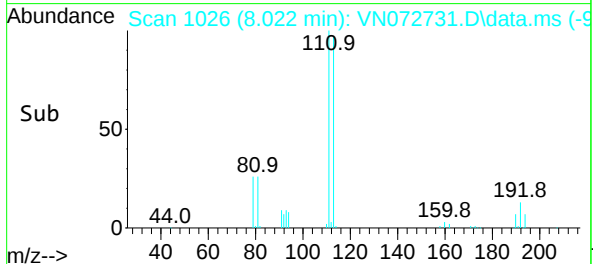
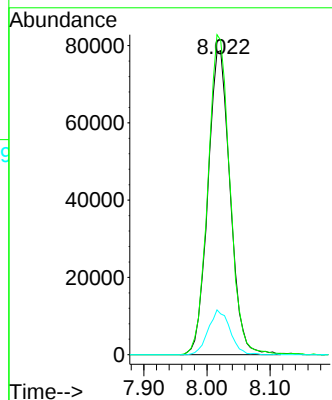
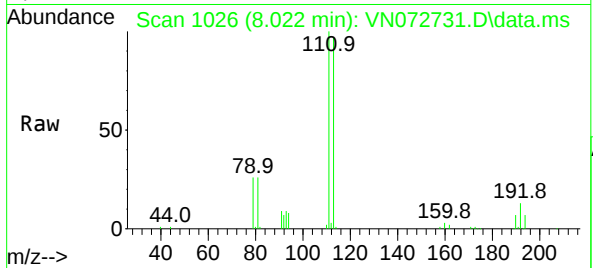




#35
Dibromofluoromethane
Concen: 59.516 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

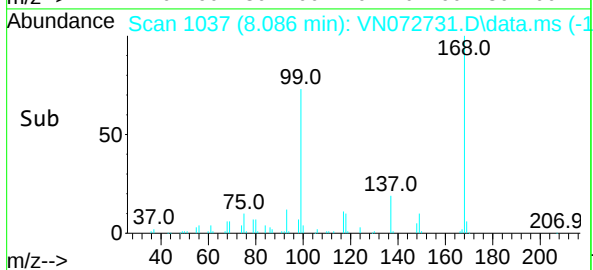
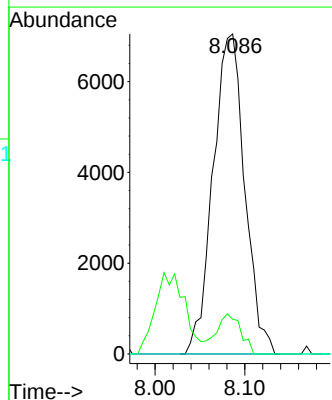
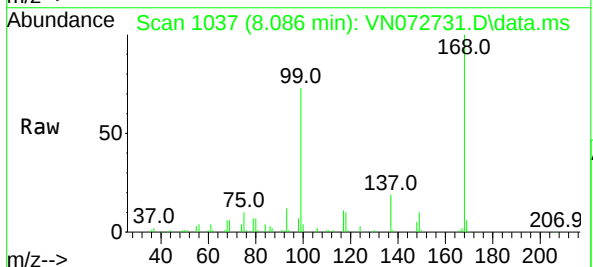
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

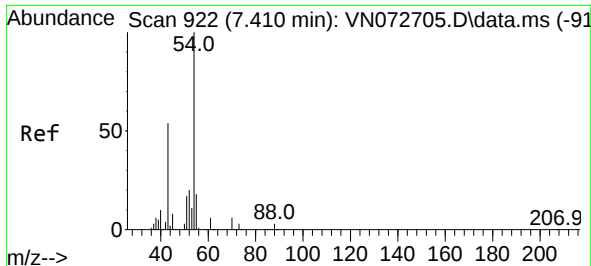
Tgt Ion:113 Resp: 192896
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 14.3 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 3.845 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

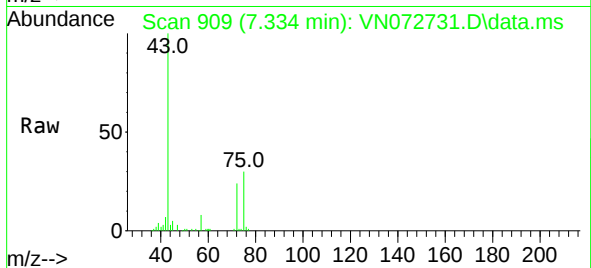
Tgt Ion: 75 Resp: 17297
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#



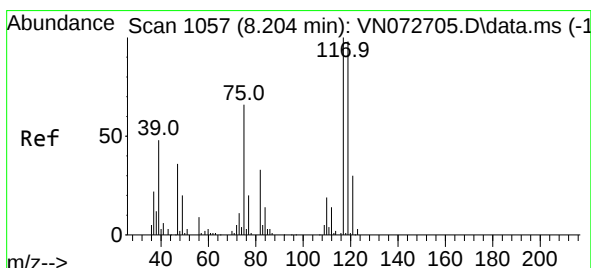
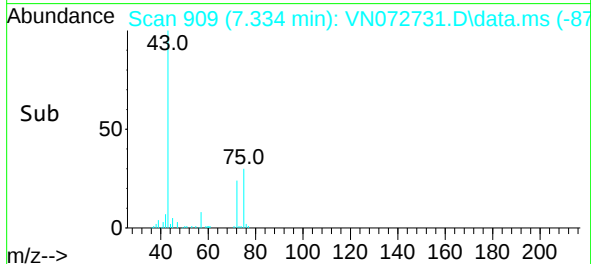
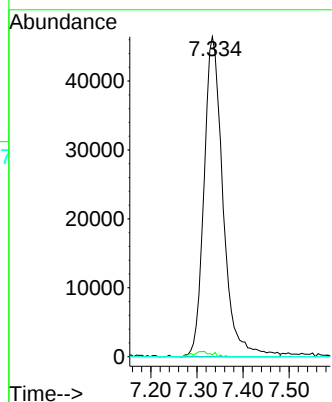


#37
Ethyl Acetate
Concen: 19.091 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.076 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

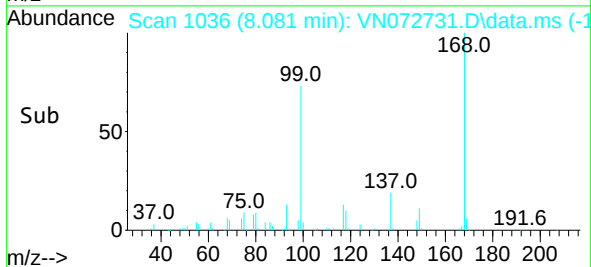
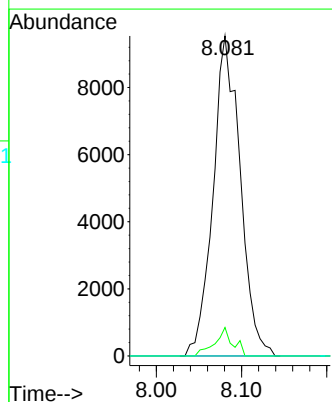
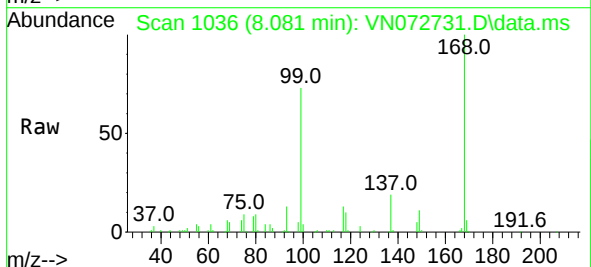


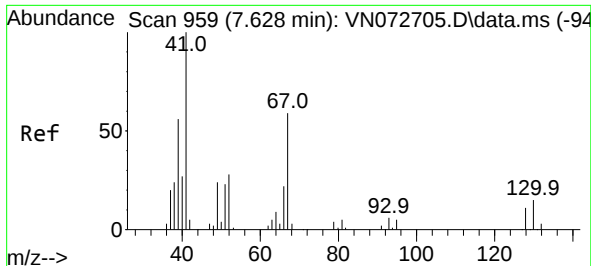
Tgt Ion: 43 Resp: 133438
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.403 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 117 Resp: 21168
Ion Ratio Lower Upper
117 100
119 8.9 75.8 113.8#
121 0.0 24.6 37.0#

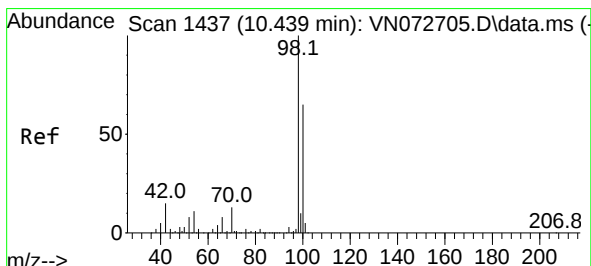
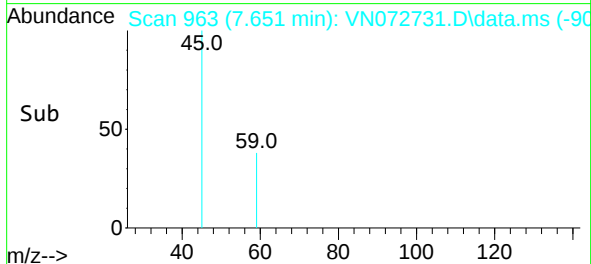
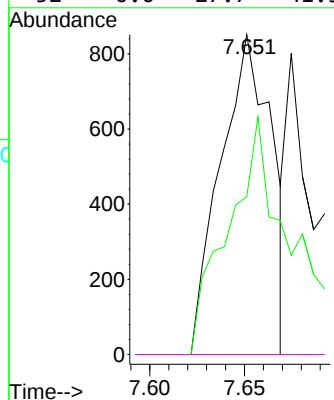
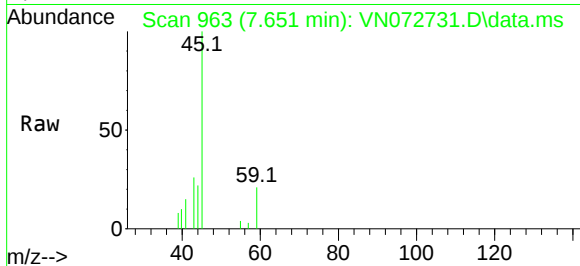




#41
Methacrylonitrile
Concen: 0.678 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.023 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

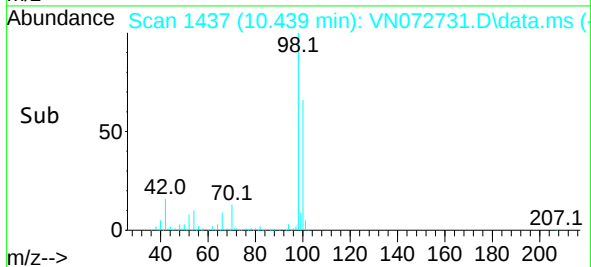
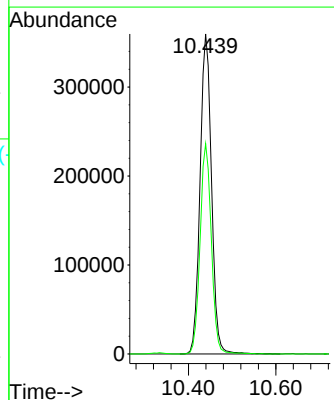
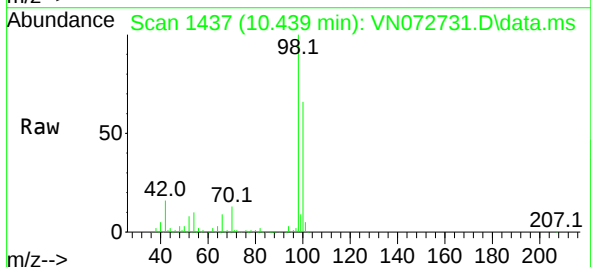
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

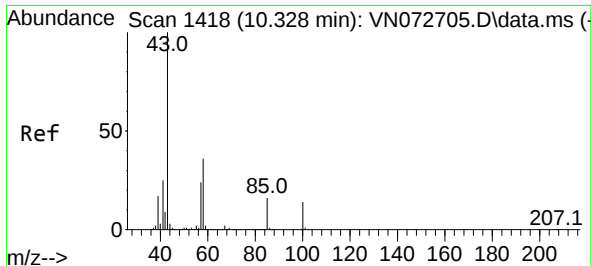
Tgt Ion: 41	Resp: 1598
Ion Ratio	Lower Upper
41 100	
39 97.6	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#50
Toluene-d8
Concen: 50.614 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 98	Resp: 654505
Ion Ratio	Lower Upper
98 100	
100 64.8	52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 3.138 ug/l

RT: 10.333 min Scan# 1419

Delta R.T. 0.005 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

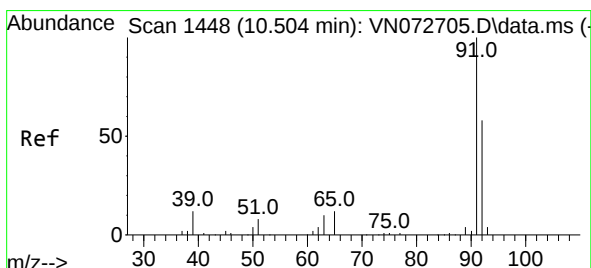
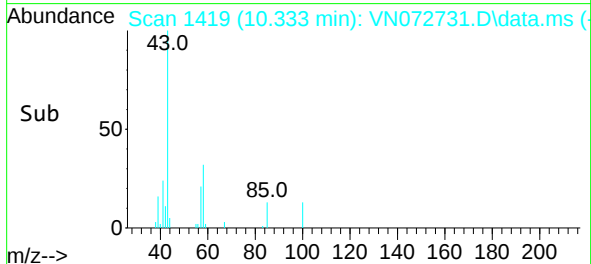
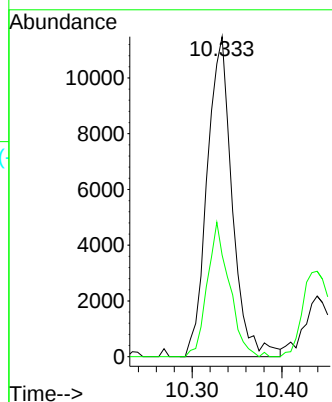
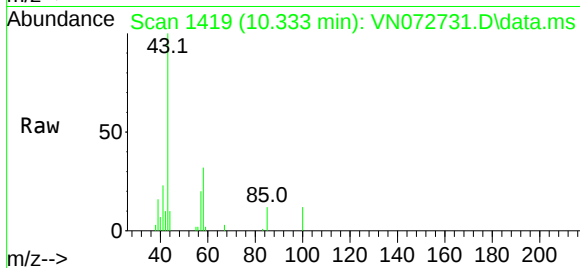
TRE-1279

Tgt Ion: 43 Resp: 22245

Ion Ratio Lower Upper

43 100

58 37.0 34.1 51.1



#52

Toluene

Concen: 1.843 ug/l

RT: 10.504 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN072731.D

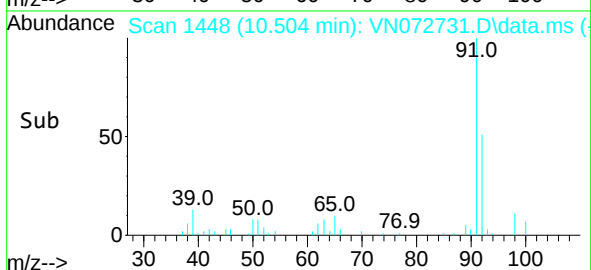
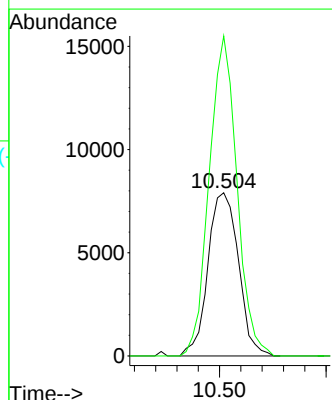
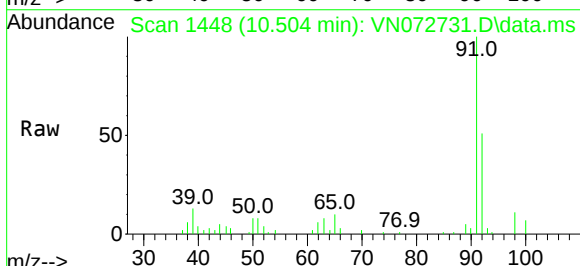
Acq: 09 Jun 2022 15:27

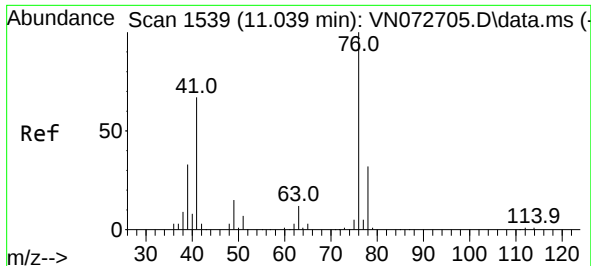
Tgt Ion: 92 Resp: 15709

Ion Ratio Lower Upper

92 100

91 178.5 138.6 207.8





#57

1,3-Dichloropropane

Concen: 0.209 ug/l

RT: 11.151 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

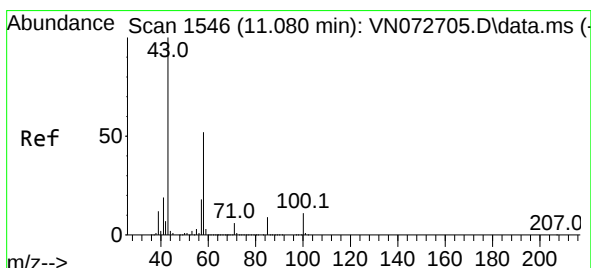
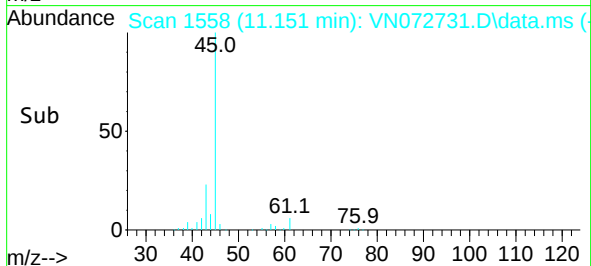
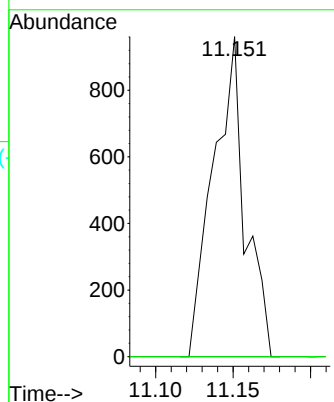
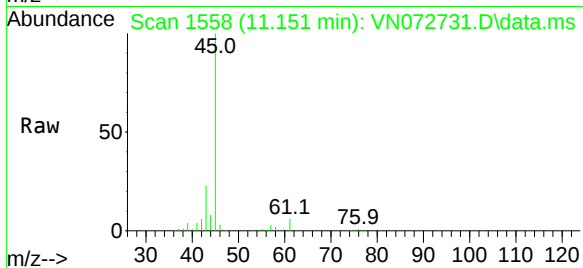
TRE-1279

Tgt Ion: 76 Resp: 1373

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 1.624 ug/l

RT: 11.092 min Scan# 1548

Delta R.T. 0.012 min

Lab File: VN072731.D

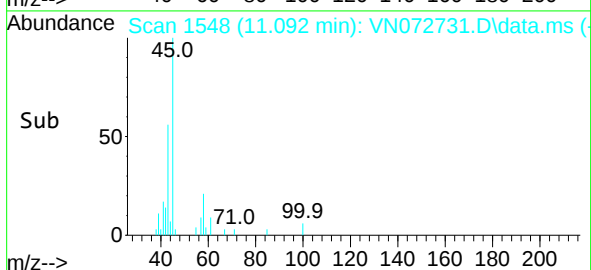
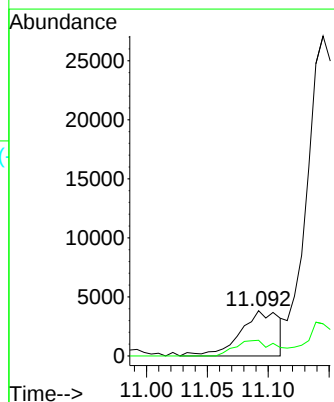
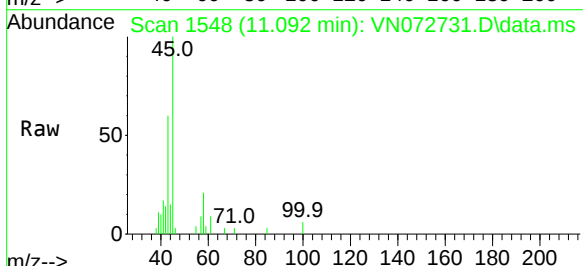
Acq: 09 Jun 2022 15:27

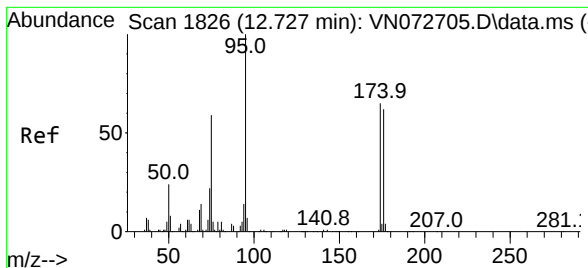
Tgt Ion: 43 Resp: 8468

Ion Ratio Lower Upper

43 100

58 36.3 29.7 89.1

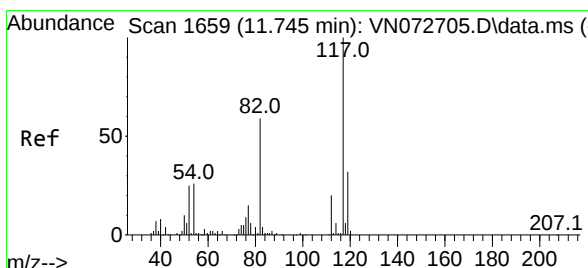
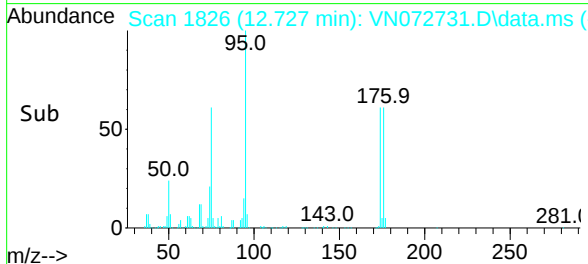
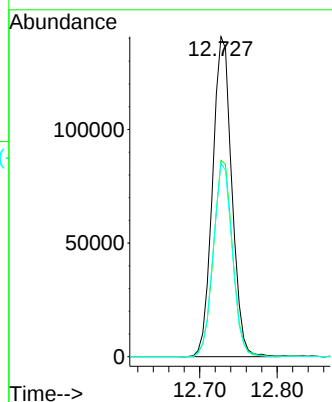
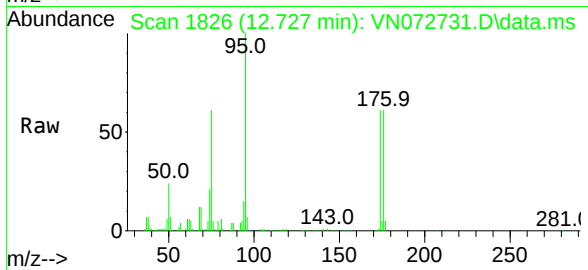




#62
4-Bromofluorobenzene
Concen: 54.754 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

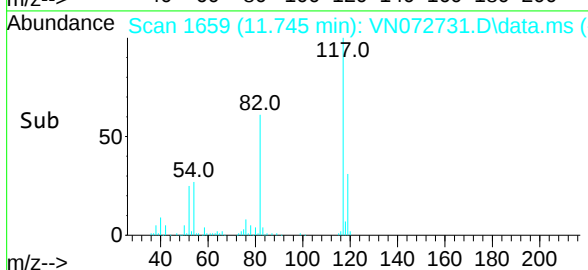
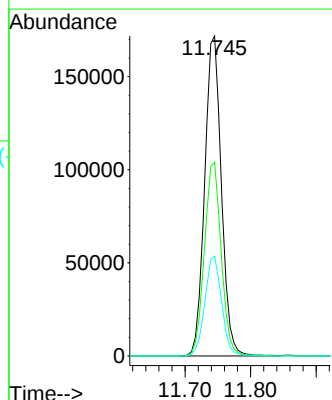
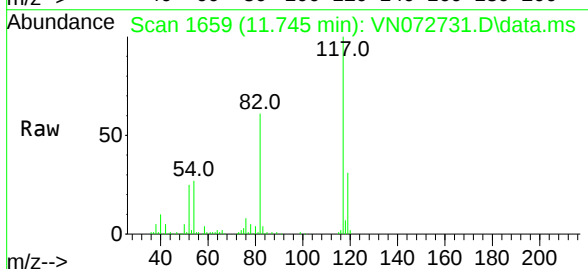
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

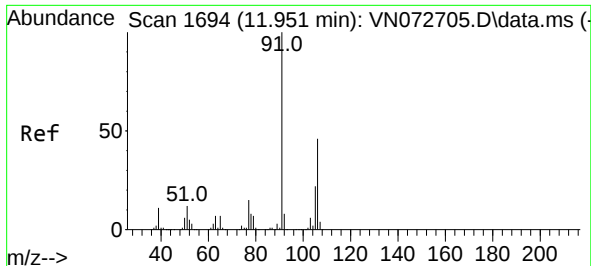
Tgt Ion: 95 Resp: 242964
Ion Ratio Lower Upper
95 100
174 60.8 0.0 167.6
176 59.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 117 Resp: 305215
Ion Ratio Lower Upper
117 100
82 60.5 44.2 66.2
119 31.2 25.4 38.0

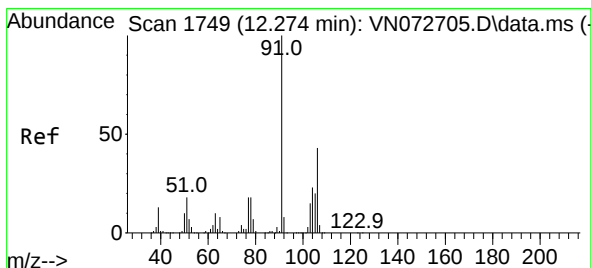
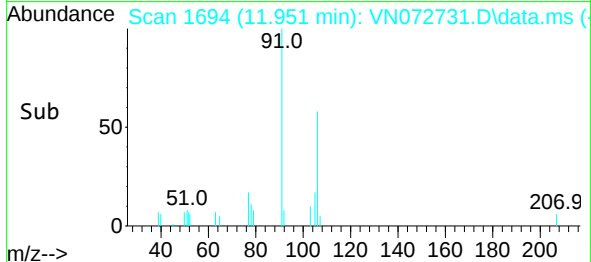
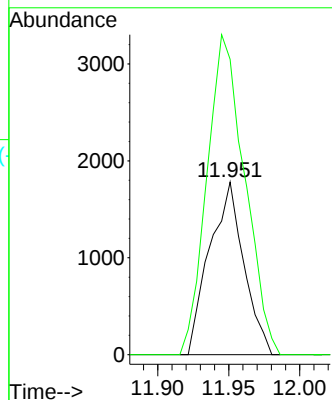
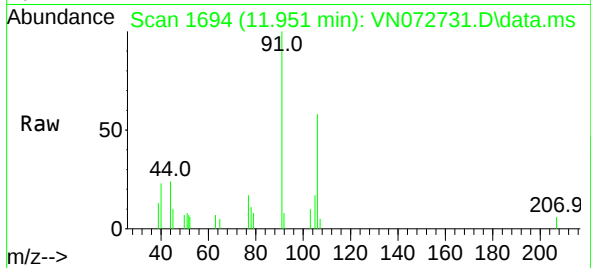




#68
m/p-Xylenes
Concen: 0.551 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

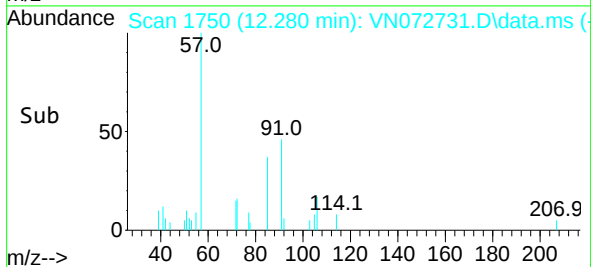
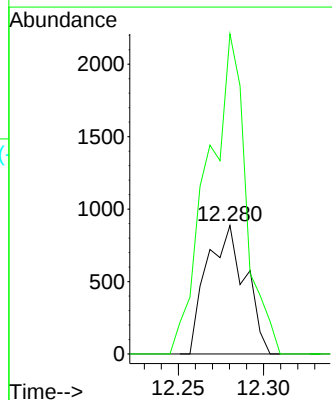
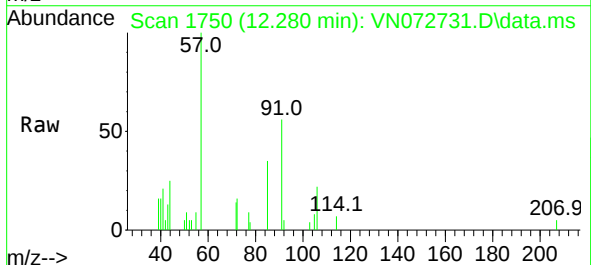
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

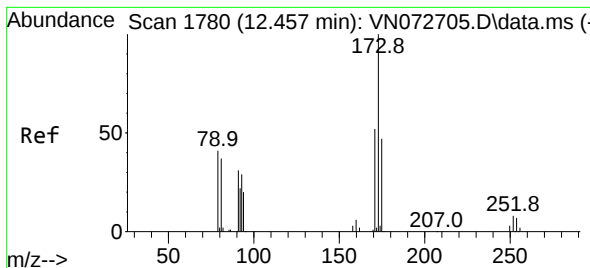
Tgt Ion:106 Resp: 2992
Ion Ratio Lower Upper
106 100
91 203.8 158.9 238.3



#69
o-Xylene
Concen: 0.255 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion:106 Resp: 1394
Ion Ratio Lower Upper
106 100
91 247.8 106.0 318.0





#71

Bromoform

Concen: 0.573 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.270 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

TRE-1279

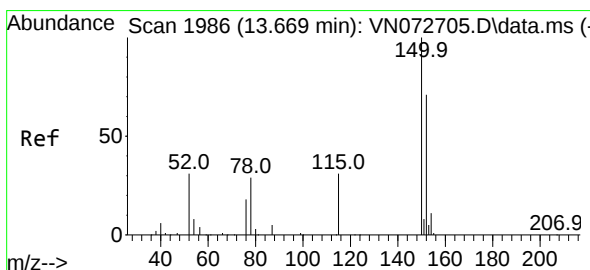
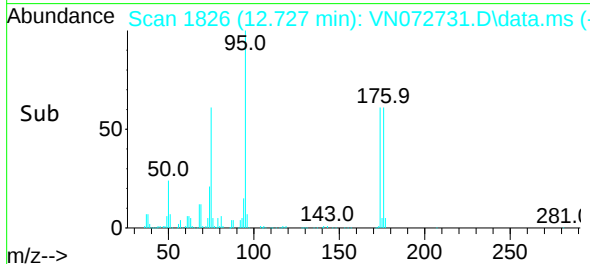
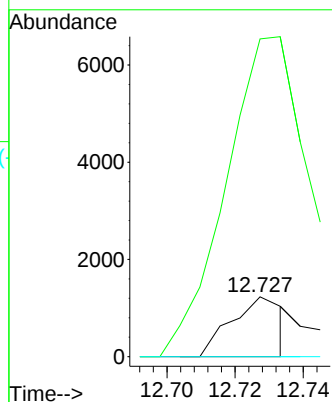
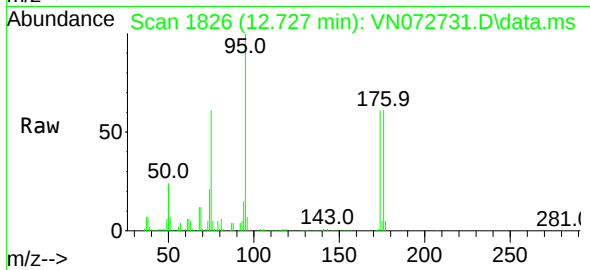
Tgt Ion:173 Resp: 1305

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1987

Delta R.T. 0.005 min

Lab File: VN072731.D

Acq: 09 Jun 2022 15:27

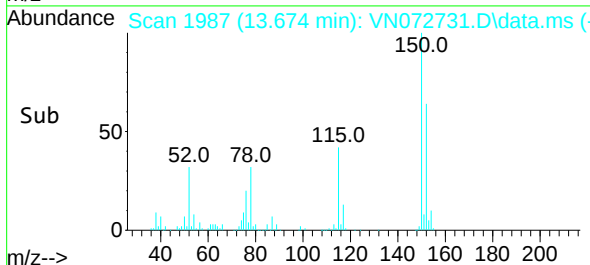
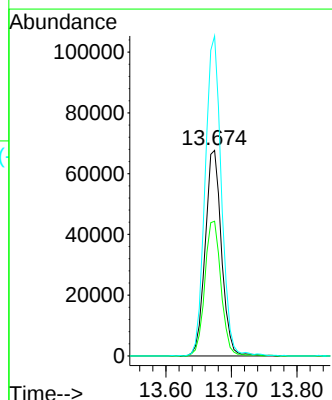
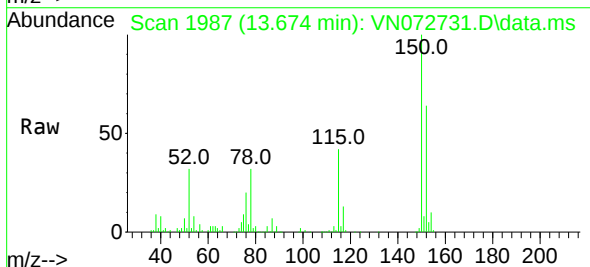
Tgt Ion:152 Resp: 117007

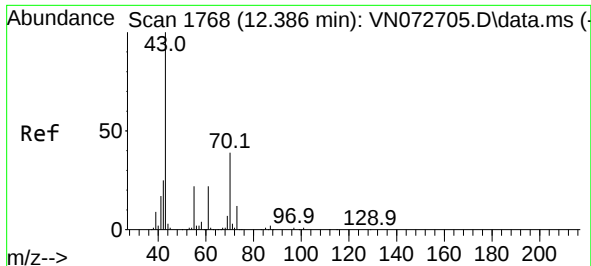
Ion Ratio Lower Upper

152 100

115 65.4 28.9 86.7

150 155.4 0.0 356.2

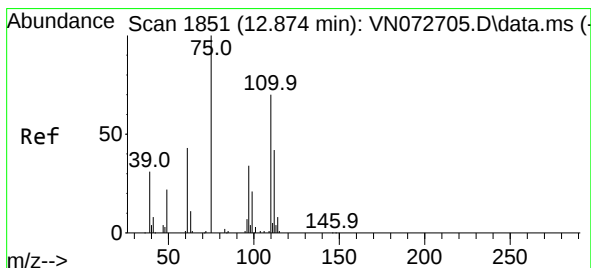
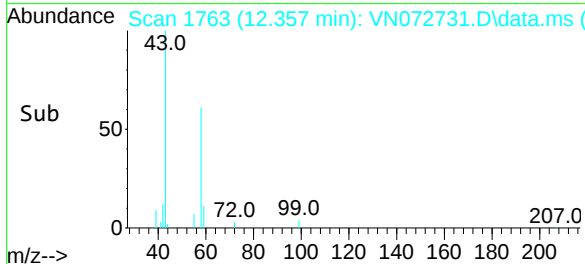
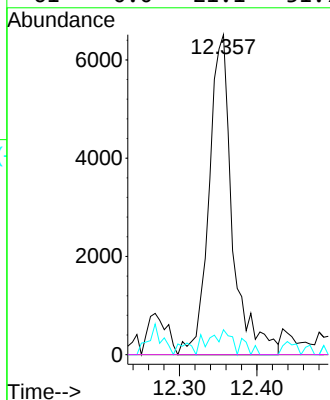
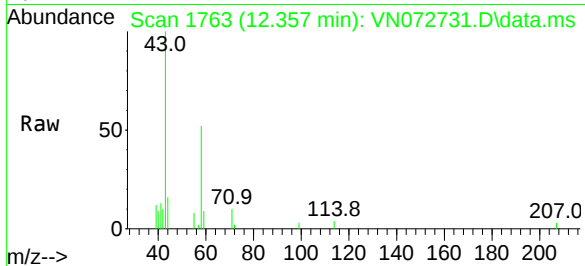




#74
N-amy1 acetate
Concen: 2.339 ug/l
RT: 12.357 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

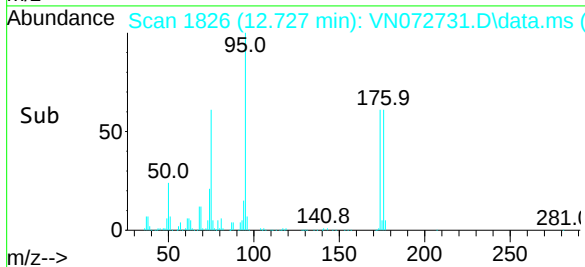
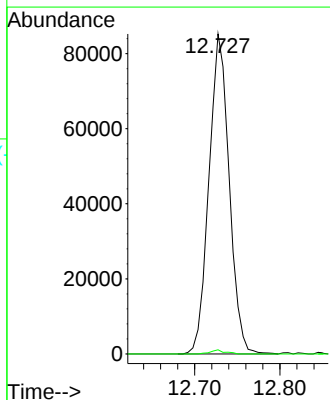
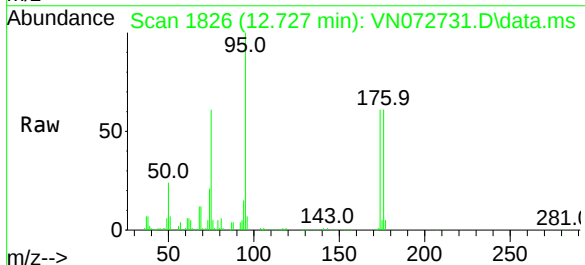
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

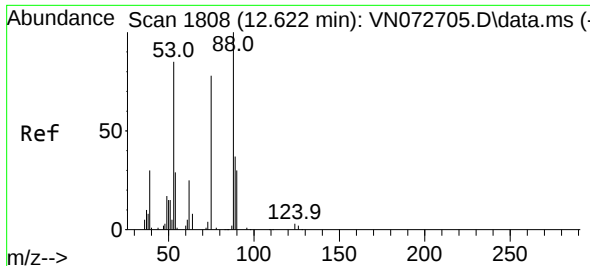
Tgt Ion: 43 Resp: 13645
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 7.3 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 37.235 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 75 Resp: 140591
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#

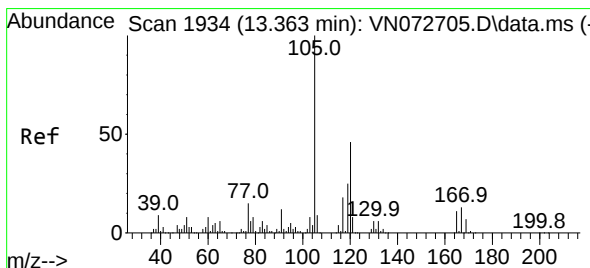
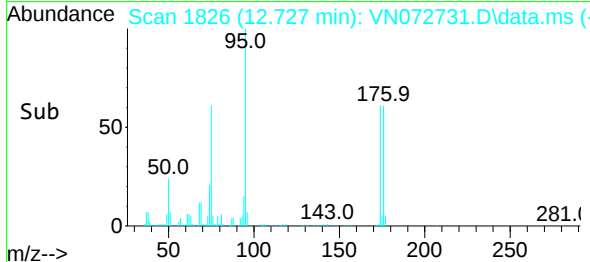
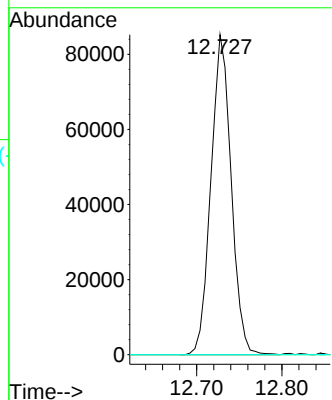
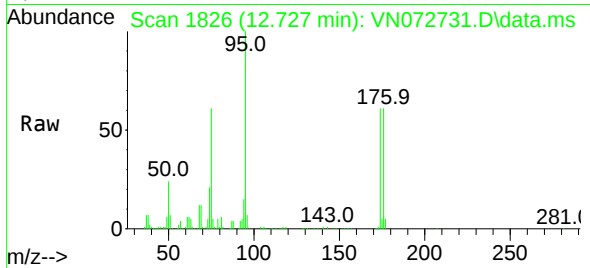




#81
trans-1,4-Dichloro-2-butene
Concen: 97.380 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

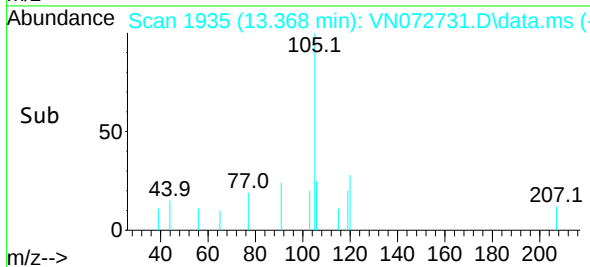
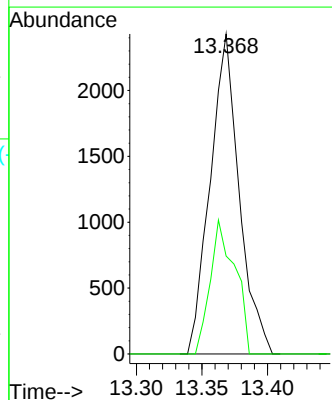
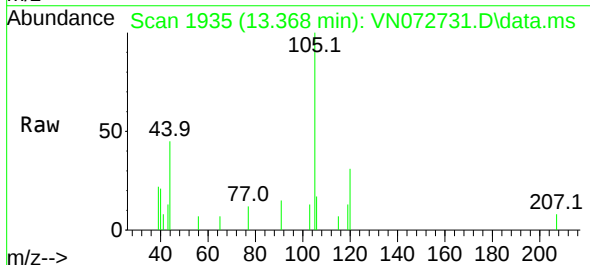
Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

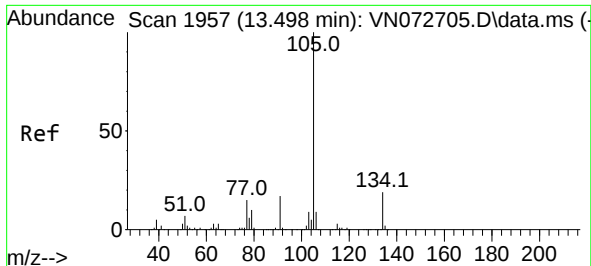
Tgt Ion: 75 Resp: 140591
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion: 105 Resp: 3730
Ion Ratio Lower Upper
105 100
120 36.0 23.3 69.8

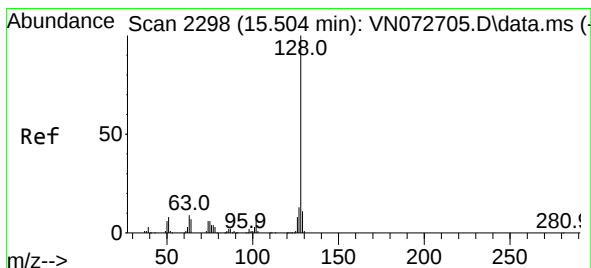
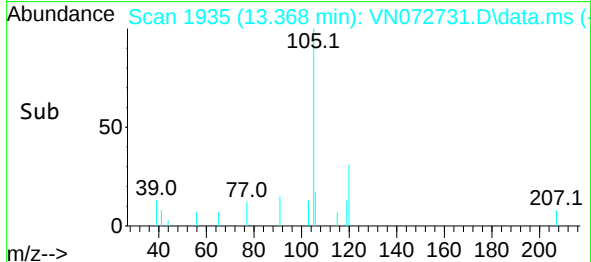
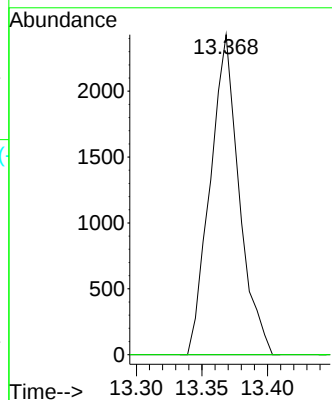
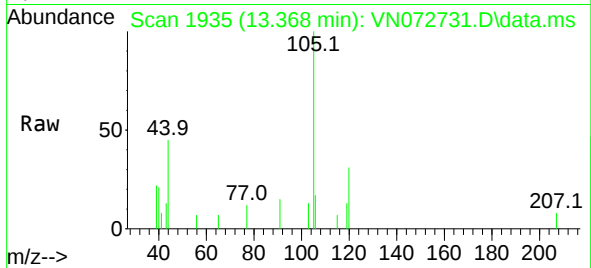




#85
sec-Butylbenzene
Concen: 0.316 ug/l
RT: 13.368 min Scan# 1957
Delta R.T. -0.130 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Instrument :
MSVOA_N
ClientSampleId :
TRE-1279

Tgt Ion:105 Resp: 3730
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#



#95
Naphthalene
Concen: 1.275 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072731.D
Acq: 09 Jun 2022 15:27

Tgt Ion:128 Resp: 9804
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.9 8.6 13.0

