

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076027.D
 Acq On : 29 Dec 2022 02:55
 Operator : JC\MD
 Sample : PB149923ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#08

Quant Time: Dec 29 07:50:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

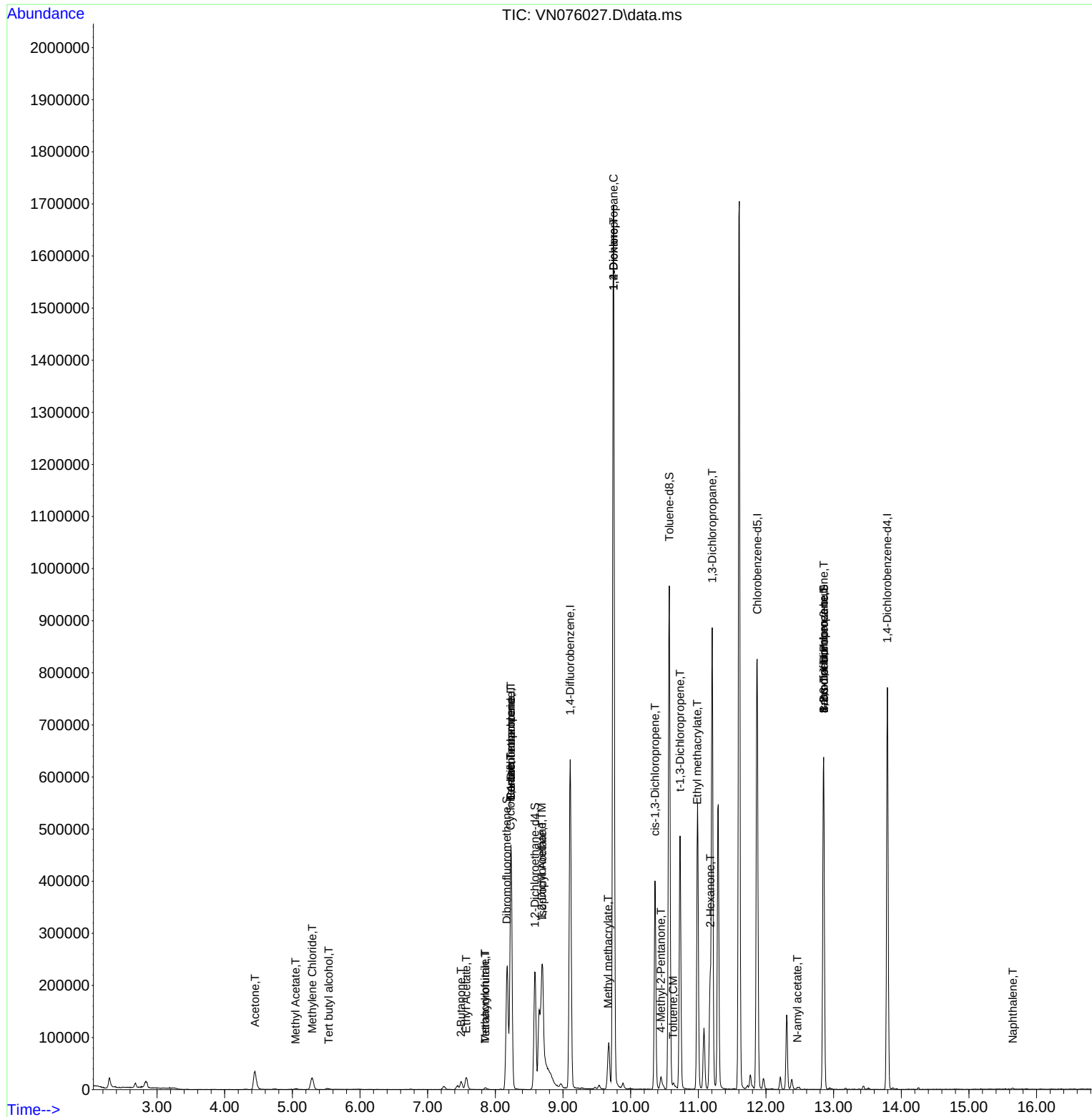
Internal Standards						
1) Pentafluorobenzene	8.230	168	367947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	584460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	518436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	184386	46.063	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.120%		
35) Dibromofluoromethane	8.171	113	171541	47.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	10.571	98	680695	50.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.600%		
62) 4-Bromofluorobenzene	12.853	95	215714	48.127	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.260%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	1894	3.344	ug/l #	72
16) Acetone	4.448	43	66542	48.223	ug/l	99
18) Methyl Acetate	5.047	43	3470	0.851	ug/l #	80
20) Methylene Chloride	5.295	84	19214	4.624	ug/l	95
25) 2-Butanone	7.494	43	23129	11.971	ug/l	92
29) Tetrahydrofuran	7.853	42	2503	2.067	ug/l #	85
31) Cyclohexane	8.224	56	6751	1.178	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	25673	5.340	ug/l #	50
37) Ethyl Acetate	7.571	43	34694	8.983	ug/l	98
38) Carbon Tetrachloride	8.230	117	36010	6.692	ug/l #	18
41) Methacrylonitrile	7.847	41	1146	0.571	ug/l #	38
42) 1,2-Dichloroethane	8.688	62	1967	0.399	ug/l #	72
43) Isopropyl Acetate	8.694	43	489296	76.803	ug/l #	66
45) 1,2-Dichloropropane	9.747	63	2648	0.734	ug/l #	43
48) Methyl methacrylate	9.665	41	5466	1.905	ug/l #	36
49) 1,4-Dioxane	9.747	88	111	1.574	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20394	5.293	ug/l #	80
52) Toluene	10.629	92	4403	0.456	ug/l	100
53) t-1,3-Dichloropropene	10.729	75	1397	0.272	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	77048	13.653	ug/l #	63
56) Ethyl methacrylate	10.982	69	1818	0.361	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10188	1.638	ug/l #	42
59) 2-Hexanone	11.176	43	150868	53.695	ug/l #	20
71) Bromoform	12.853	173	1706	0.595	ug/l #	1
74) N-amyl acetate	12.465	43	3609	0.780	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	110715	25.167	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110715	90.590	ug/l #	12
95) Naphthalene	15.647	128	3296	2.443	ug/l #	81

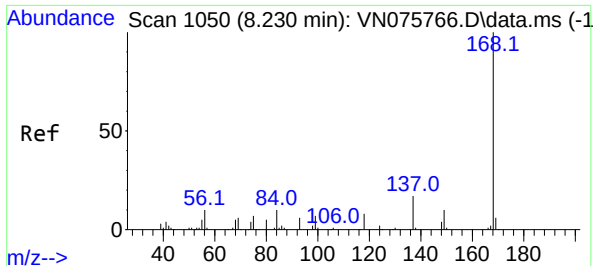
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076027.D

Acq: 29 Dec 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :

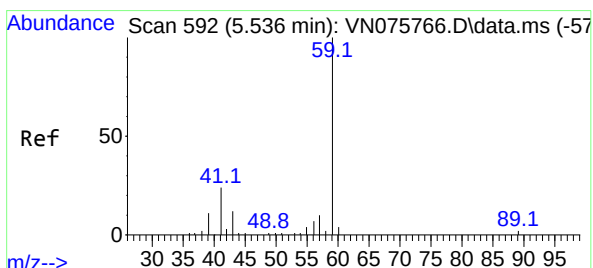
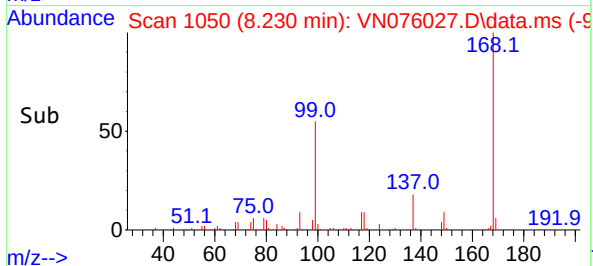
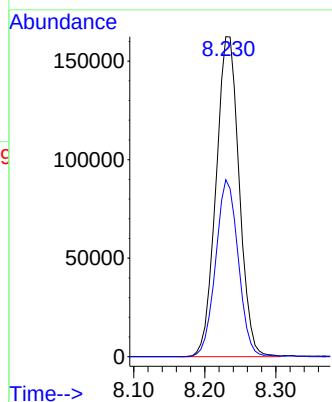
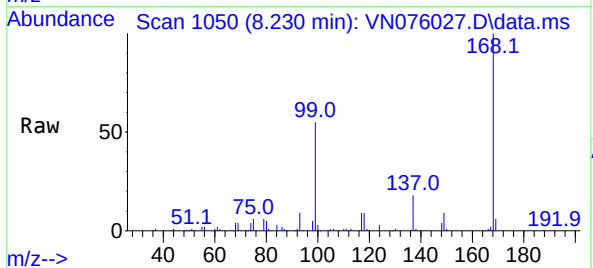
PB149923ZHE#08

Tgt Ion:168 Resp: 367947

Ion Ratio Lower Upper

168 100

99 55.3 44.2 66.4



#11

Tert butyl alcohol

Concen: 3.344 ug/l

RT: 5.536 min Scan# 592

Delta R.T. 0.000 min

Lab File: VN076027.D

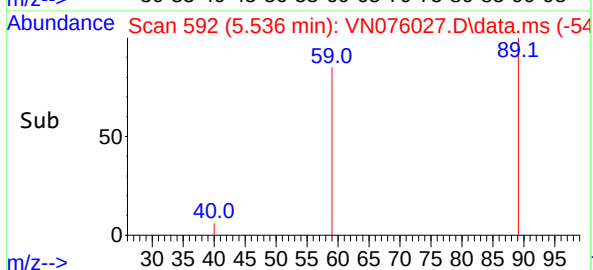
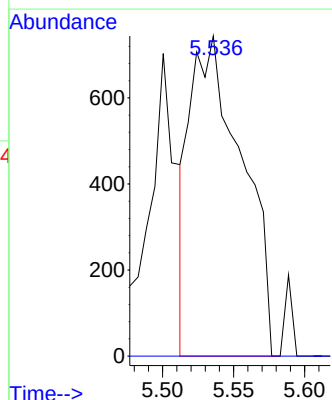
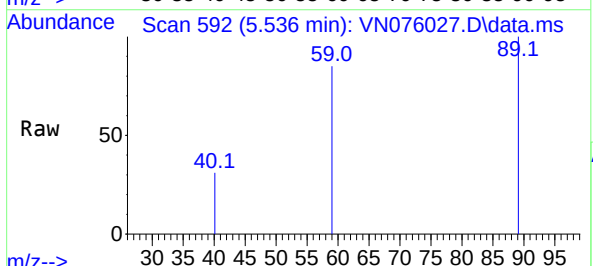
Acq: 29 Dec 2022 02:55

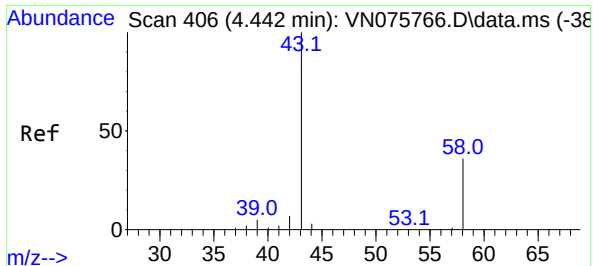
Tgt Ion: 59 Resp: 1894

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

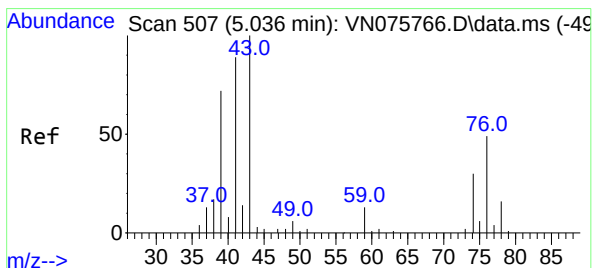
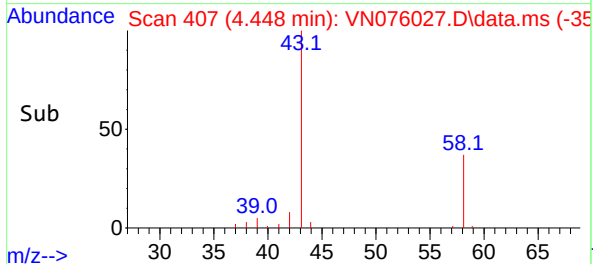
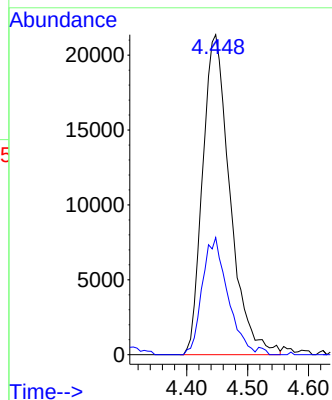
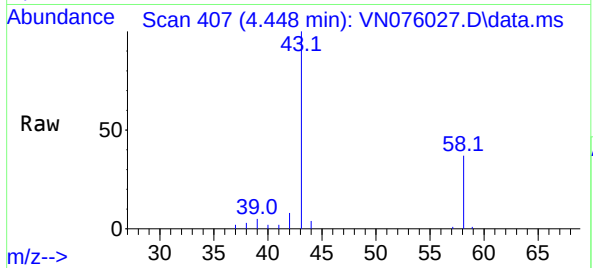




#16
Acetone
Concen: 48.223 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

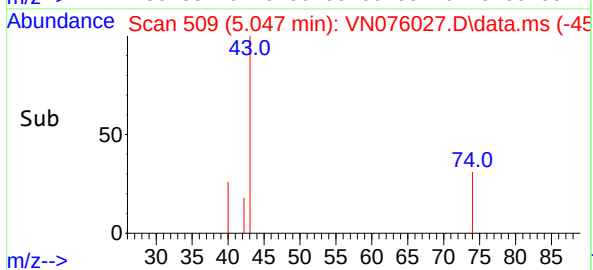
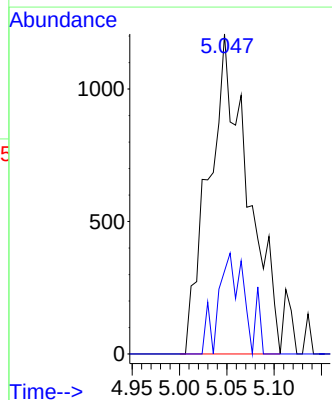
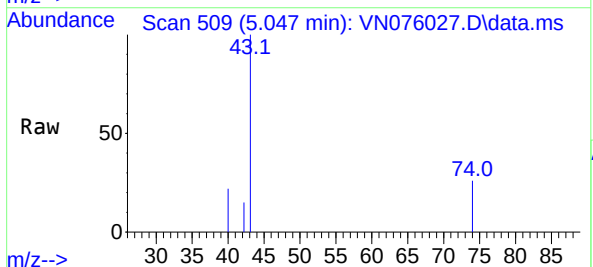
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

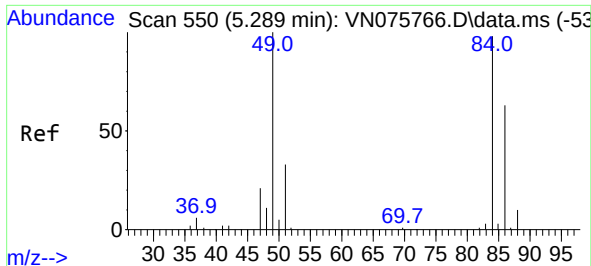
Tgt Ion: 43 Resp: 66542
Ion Ratio Lower Upper
43 100
58 36.6 28.6 43.0



#18
Methyl Acetate
Concen: 0.851 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

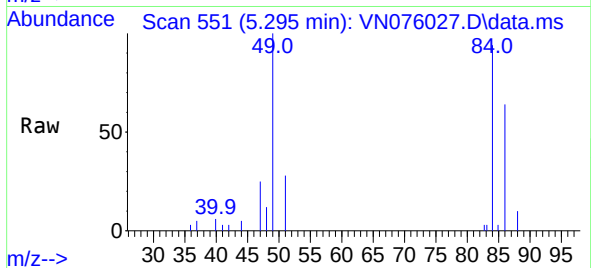
Tgt Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
74 18.9 23.6 35.4#





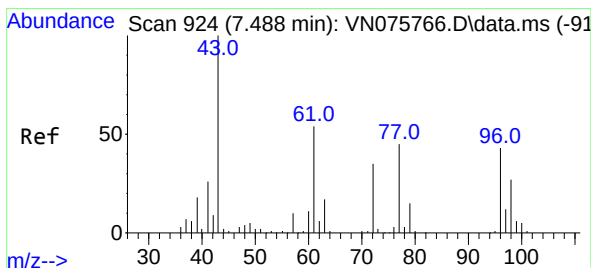
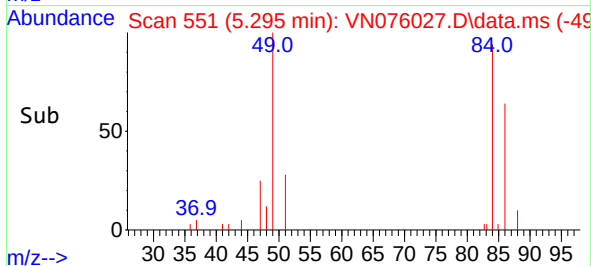
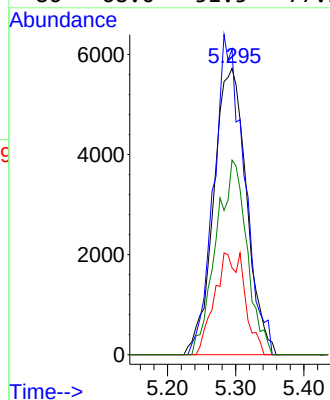
#20
Methylene Chloride
Concen: 4.624 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08



Tgt Ion: 84 Resp: 19214

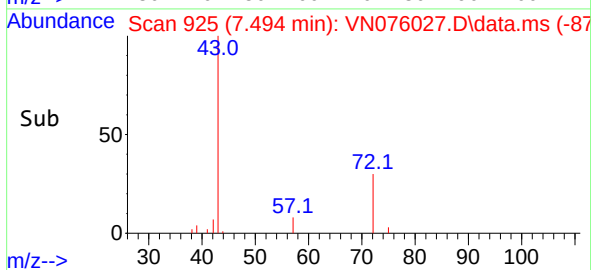
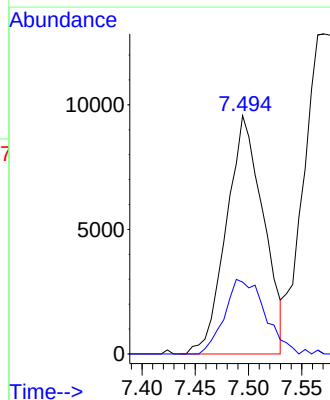
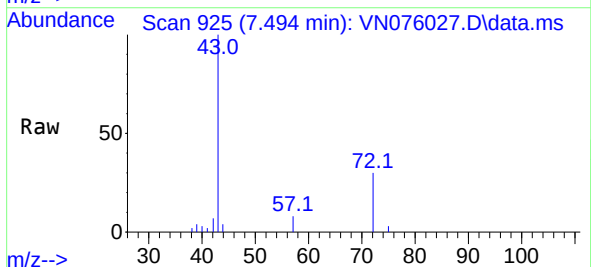
Ion	Ratio	Lower	Upper
84	100		
49	106.7	81.8	122.6
51	30.3	26.7	40.1
86	68.0	51.5	77.3

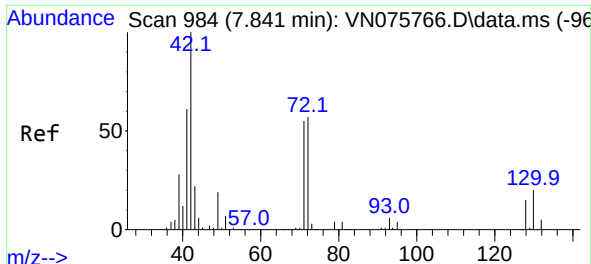


#25
2-Butanone
Concen: 11.971 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 43 Resp: 23129

Ion	Ratio	Lower	Upper
43	100		
72	30.2	28.0	42.0

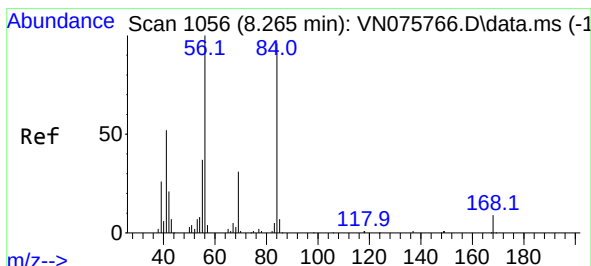
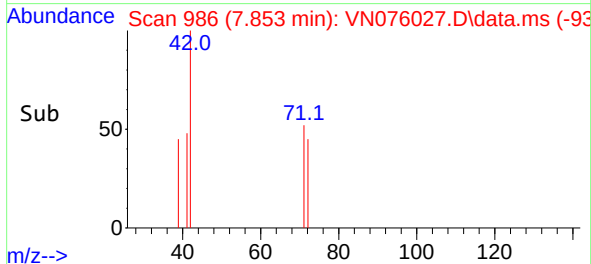
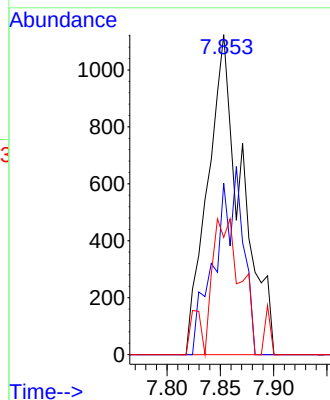
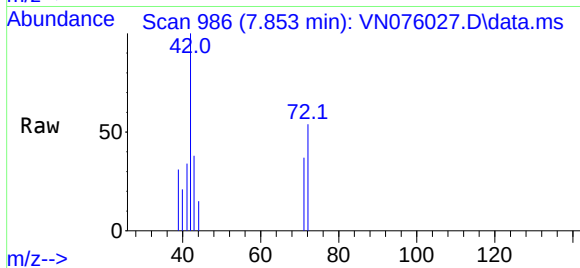




#29
Tetrahydrofuran
Concen: 2.067 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

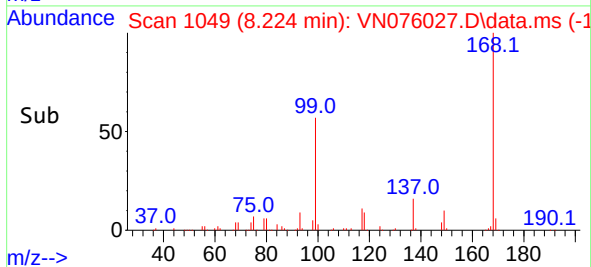
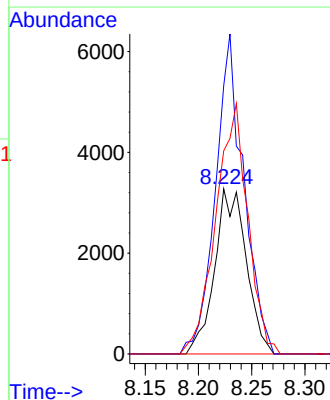
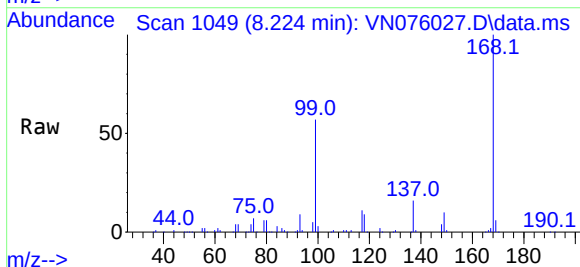
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

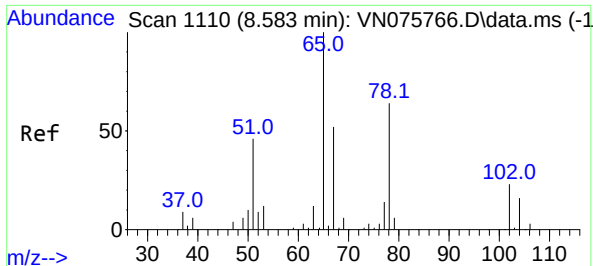
Tgt Ion: 42 Resp: 2503
Ion Ratio Lower Upper
42 100
72 47.5 44.5 66.7
71 38.7 41.0 61.6#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 56 Resp: 6751
Ion Ratio Lower Upper
56 100
69 162.4 24.7 37.1#
84 123.0 76.5 114.7#

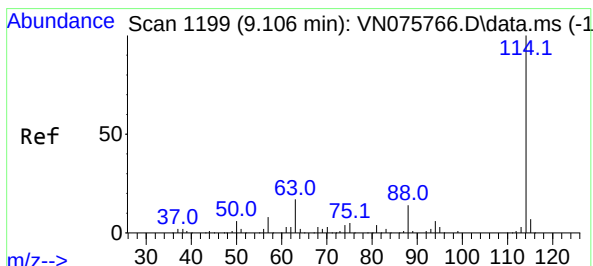
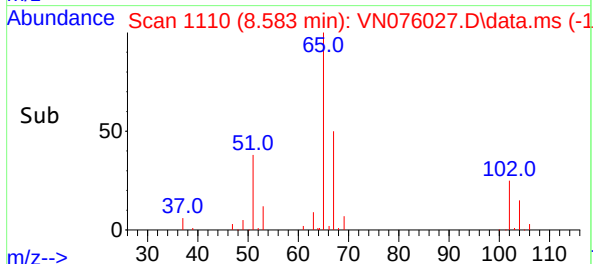
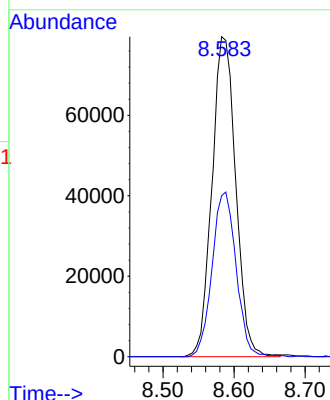
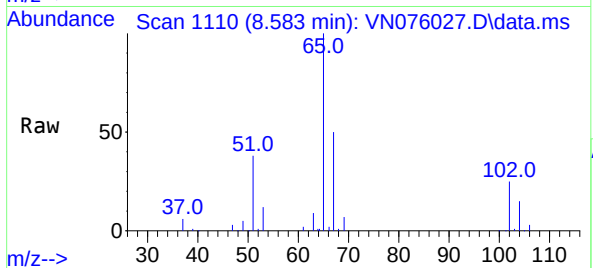




#33
1,2-Dichloroethane-d4
Concen: 46.063 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

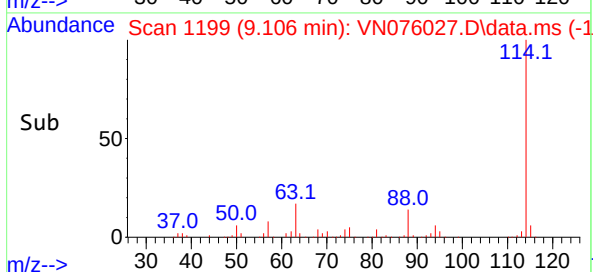
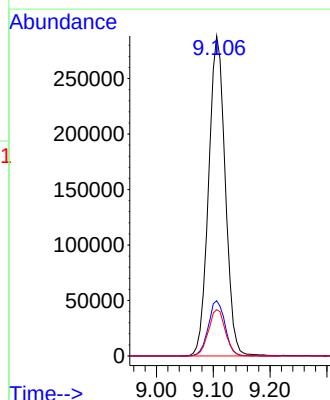
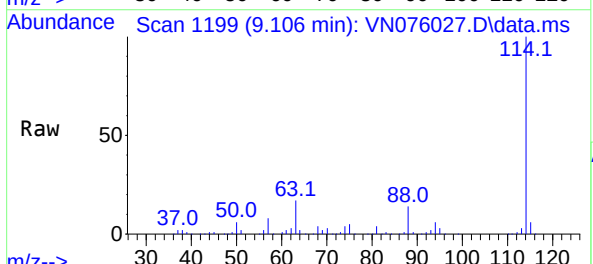
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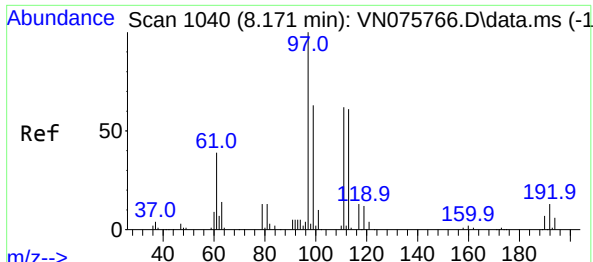
Tgt Ion: 65 Resp: 184386
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 114 Resp: 584460
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.4
88 14.5 0.0 28.8

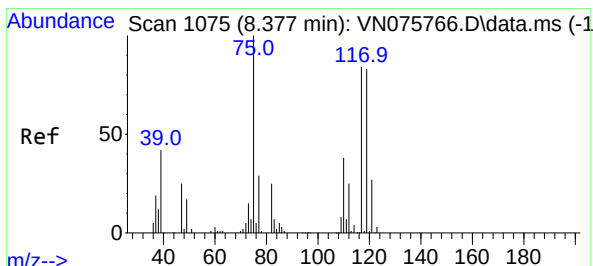
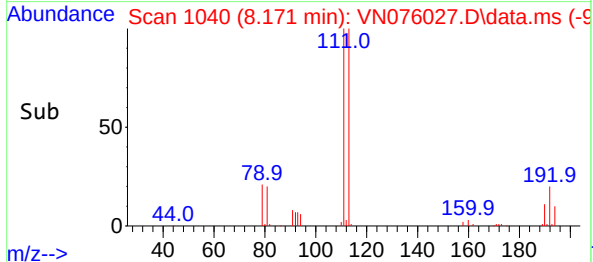
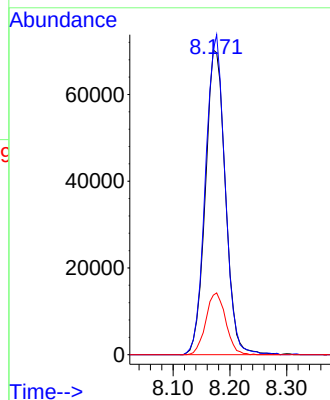
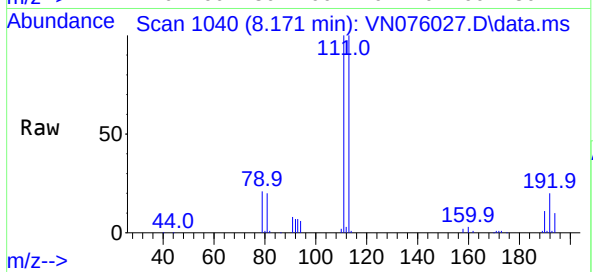




#35
Dibromofluoromethane
Concen: 47.394 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

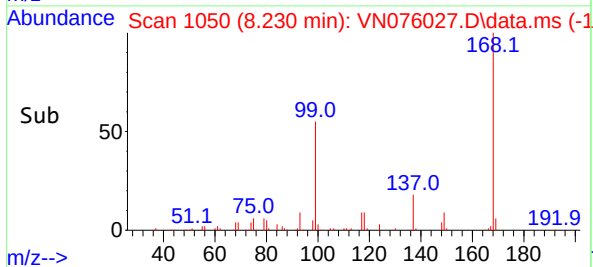
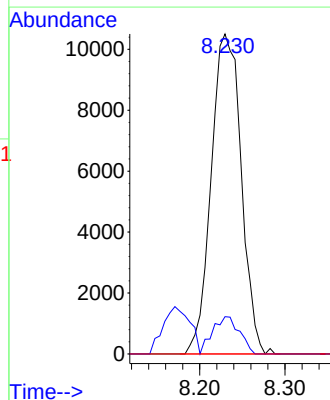
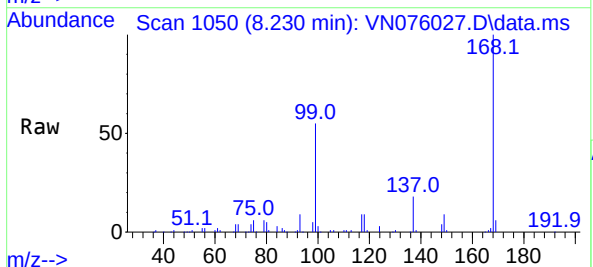
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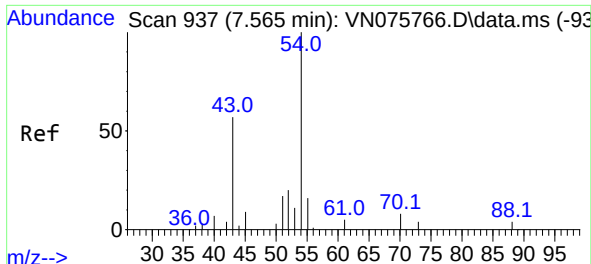
Tgt Ion:113 Resp: 171541
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.340 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 75 Resp: 25673
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.4#
77 0.0 24.1 36.1#

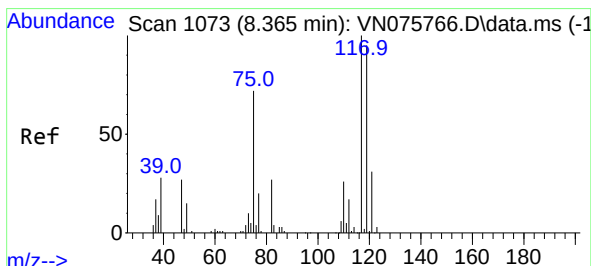
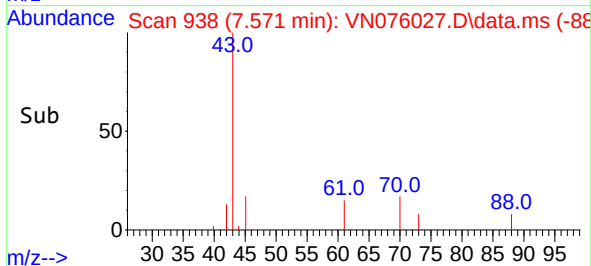
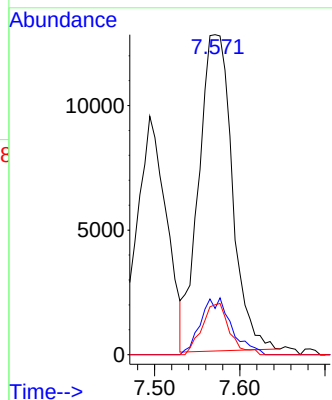
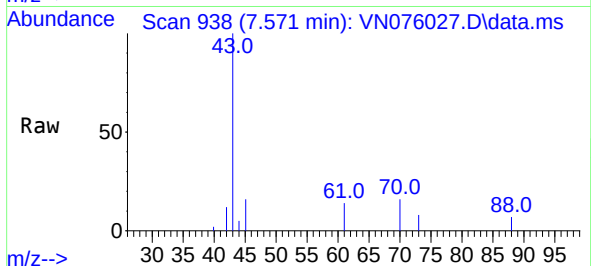




#37
Ethyl Acetate
Concen: 8.983 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

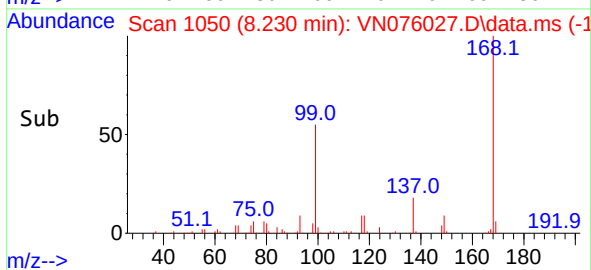
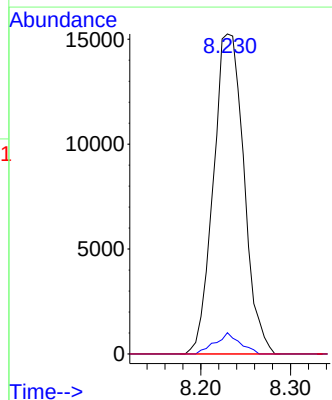
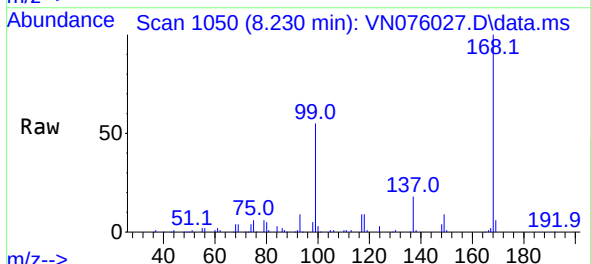
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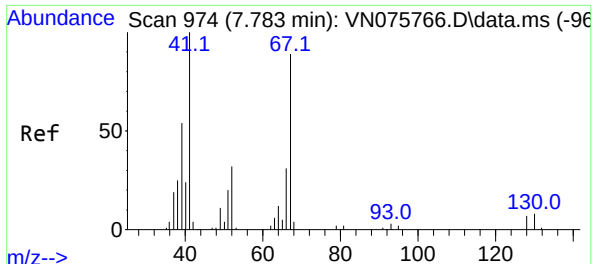
Tgt Ion: 43 Resp: 34694
Ion Ratio Lower Upper
43 100
61 16.6 13.0 19.4
70 13.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.692 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 117 Resp: 36010
Ion Ratio Lower Upper
117 100
119 6.6 76.1 114.1#
121 0.0 24.5 36.7#

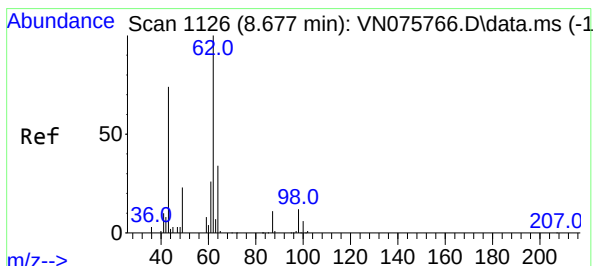
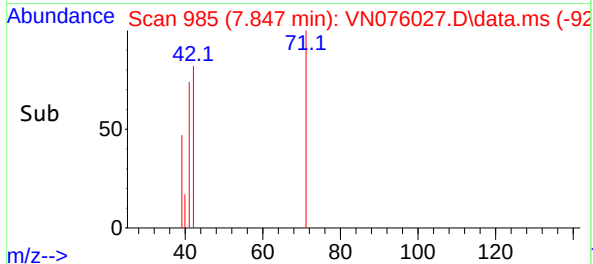
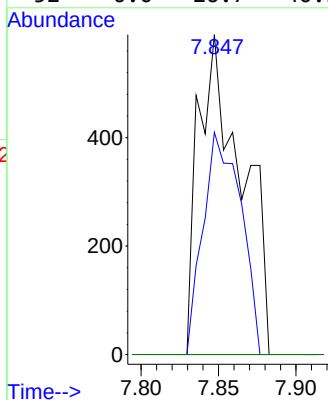
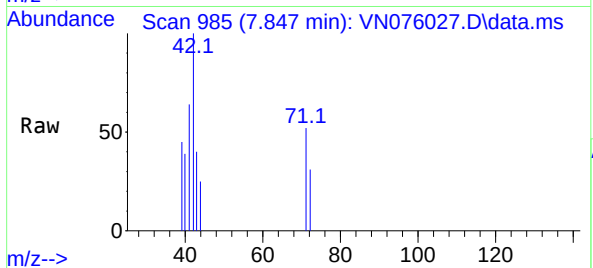




#41
Methacrylonitrile
Concen: 0.571 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

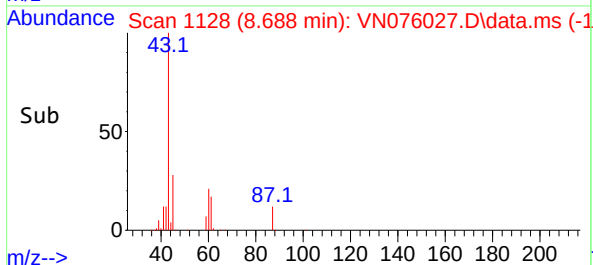
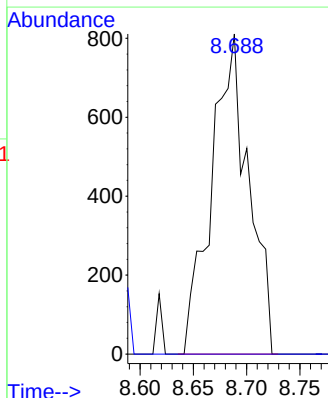
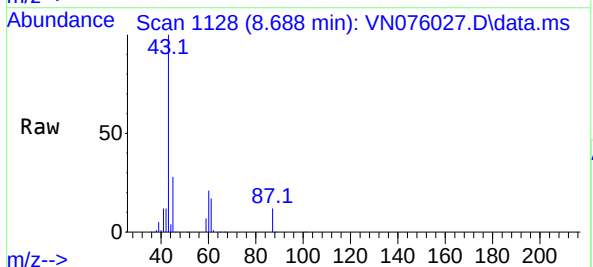
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MSVOA_N
ClientSampleId :
PB149923ZHE#08

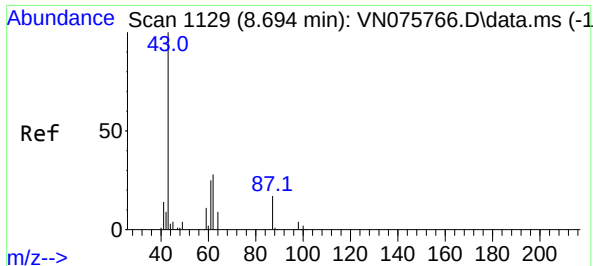
Tgt Ion: 41 Resp: 1146
Ion Ratio Lower Upper
41 100
39 60.6 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.399 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 62 Resp: 1967
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

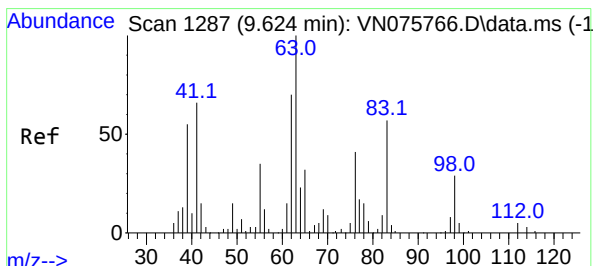
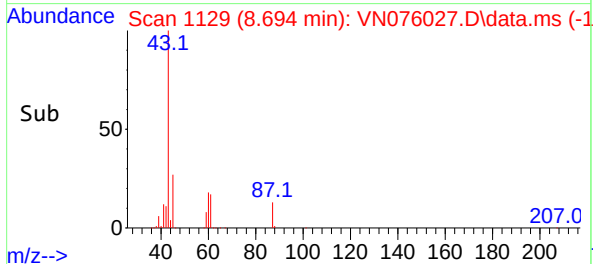
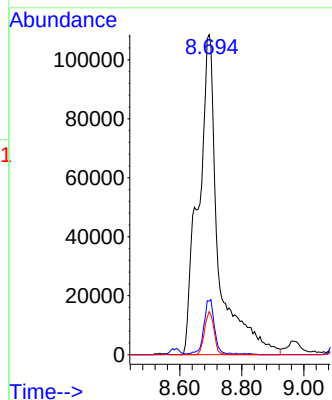
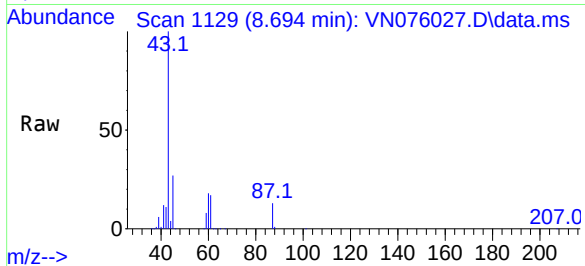




#43
Isopropyl Acetate
Concen: 76.803 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

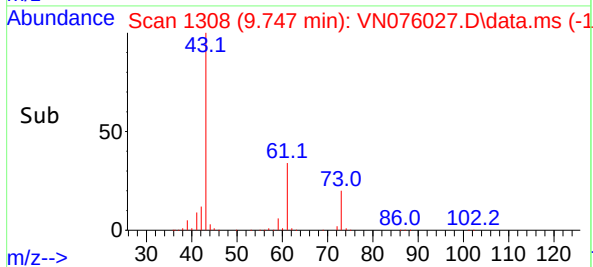
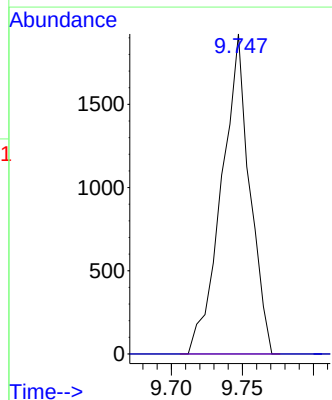
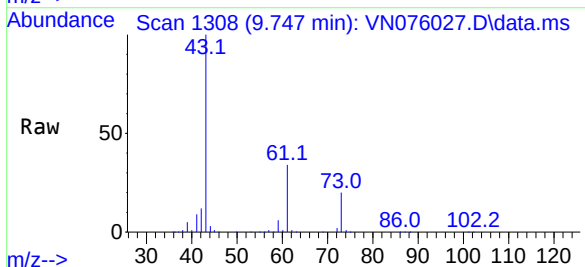
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MSVOA_N
ClientSampleId :
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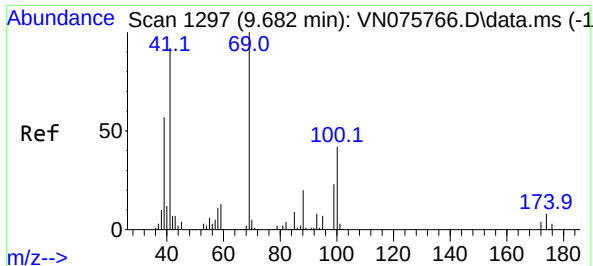
Tgt Ion: 43 Resp: 489296
Ion Ratio Lower Upper
43 100
61 8.7 24.2 36.4#
87 6.3 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.734 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 63 Resp: 2648
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

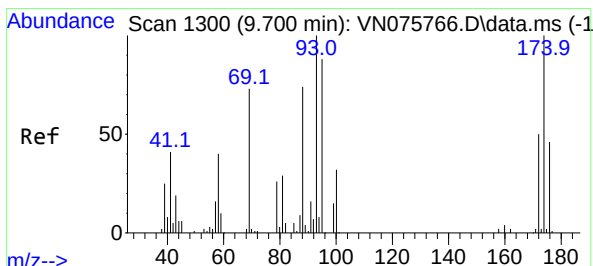
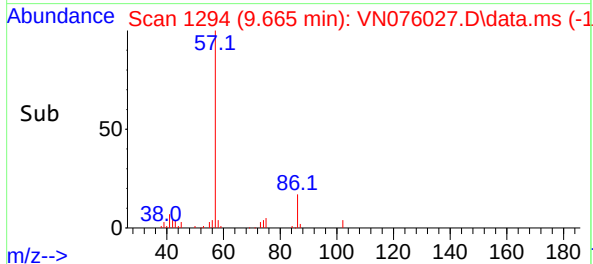
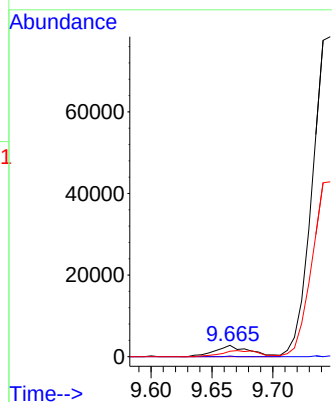
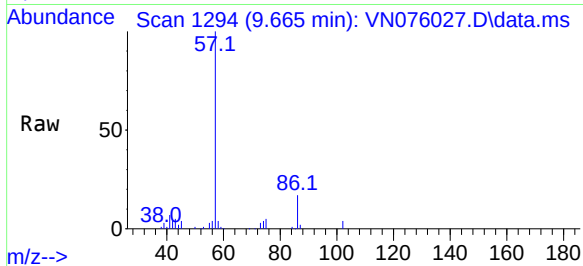




#48
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

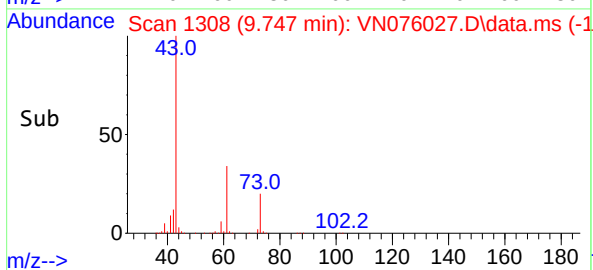
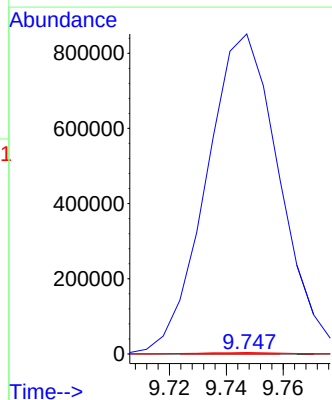
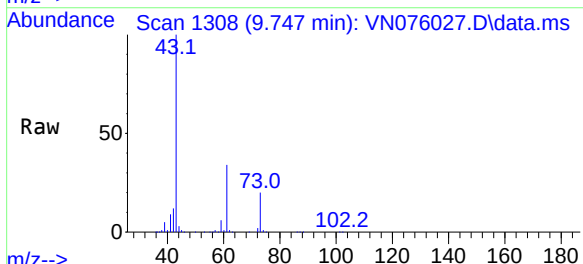
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

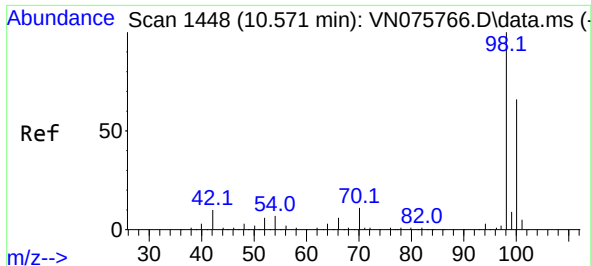
Tgt Ion: 41 Resp: 5466
Ion Ratio Lower Upper
41 100
69 1.0 81.9 122.9#
39 59.4 51.6 77.4



#49
1,4-Dioxane
Concen: 1.574 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 1386219.8 17.1 25.7#
58 6508.1 47.8 71.8#

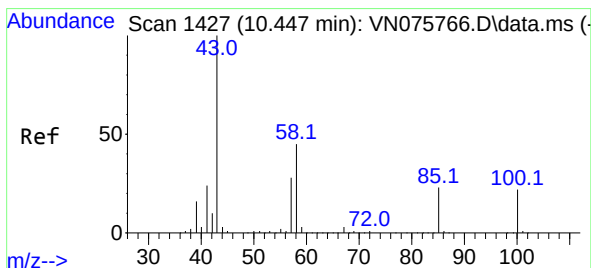
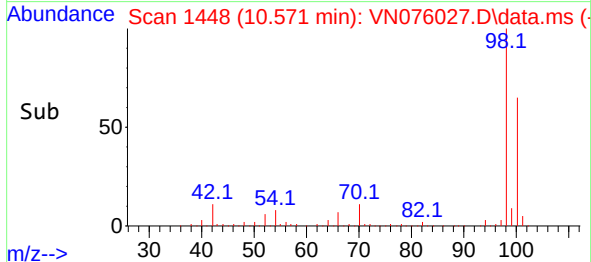
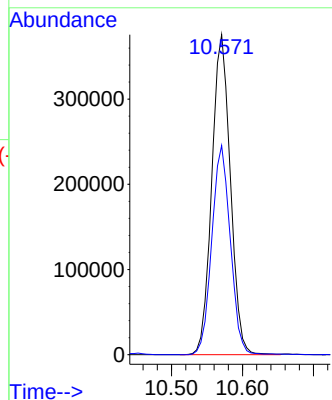
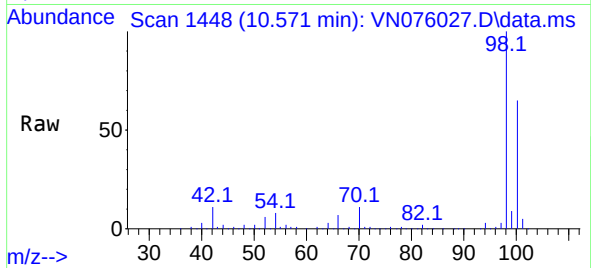




#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

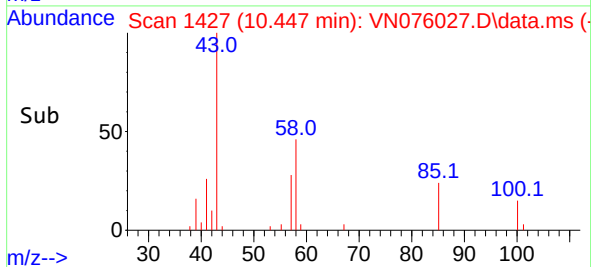
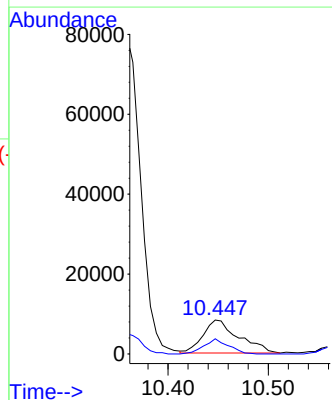
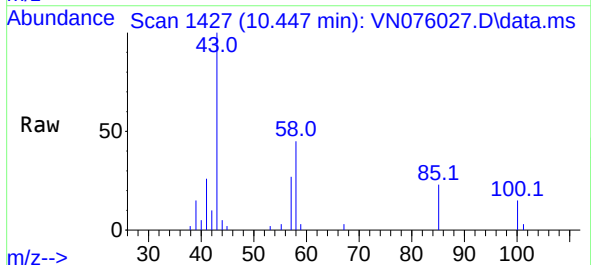
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

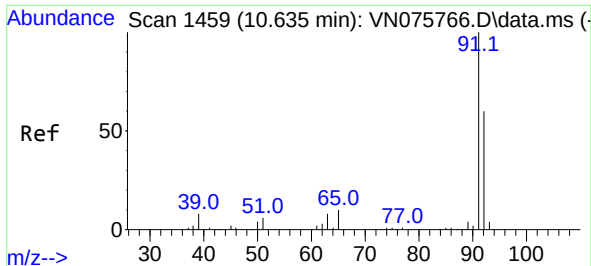
Tgt Ion: 98 Resp: 680695
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.293 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 43 Resp: 20394
Ion Ratio Lower Upper
43 100
58 31.5 35.5 53.3#

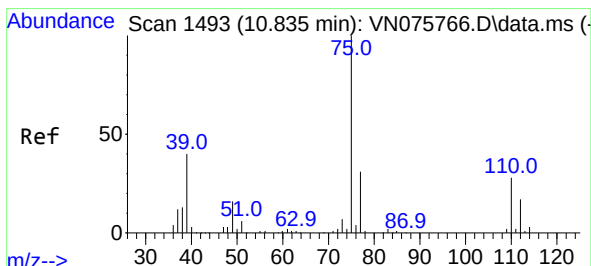
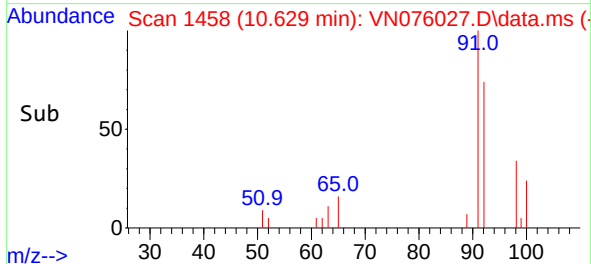
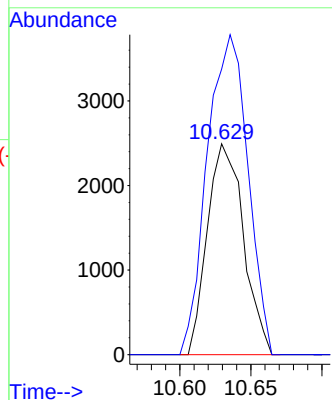
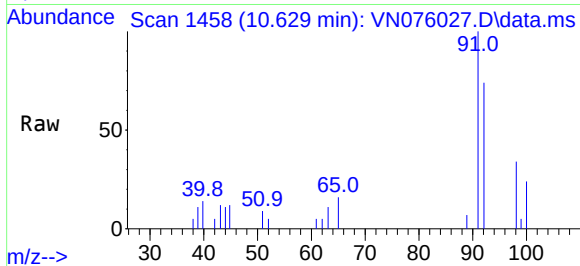




#52
Toluene
Concen: 0.456 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

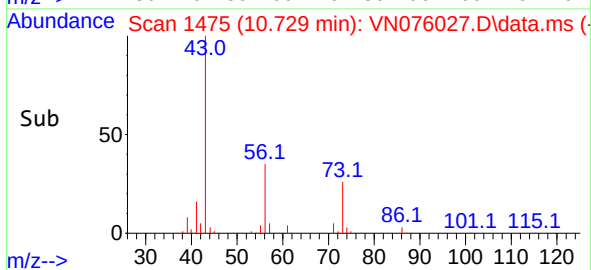
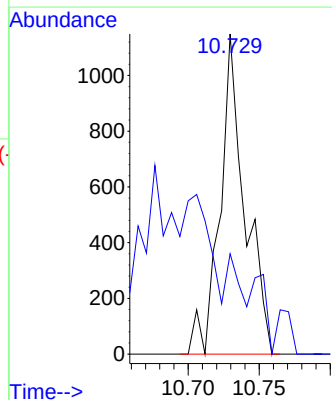
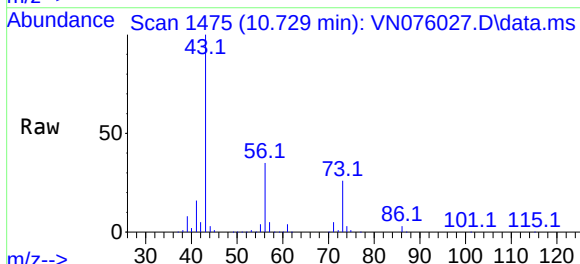
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

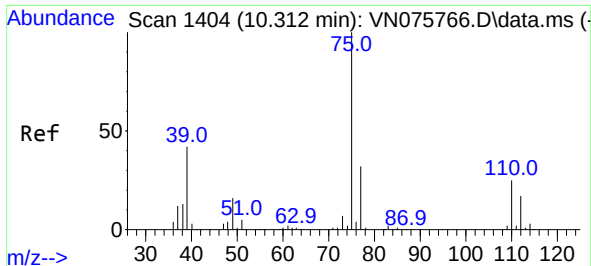
Tgt Ion: 92 Resp: 4403
Ion Ratio Lower Upper
92 100
91 171.0 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.272 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 75 Resp: 1397
Ion Ratio Lower Upper
75 100
77 17.5 24.9 37.3#

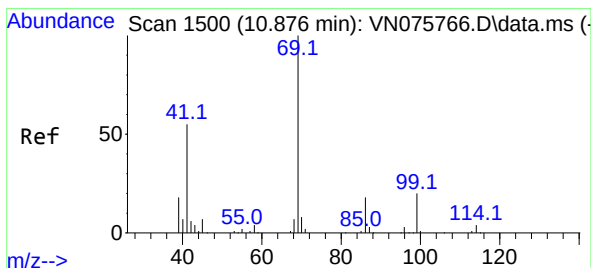
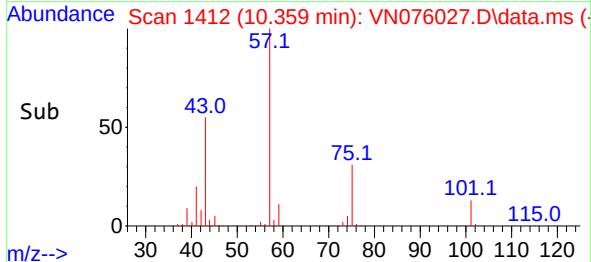
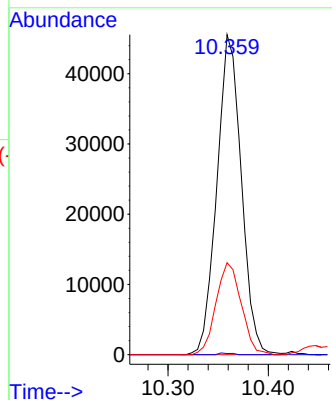
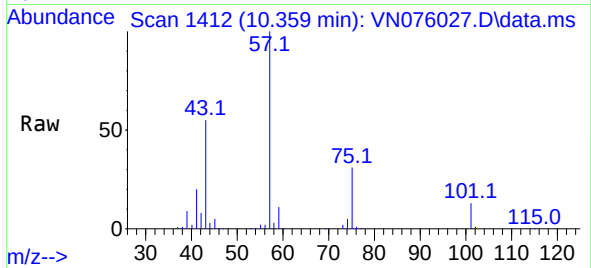




#54
cis-1,3-Dichloropropene
Concen: 13.653 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

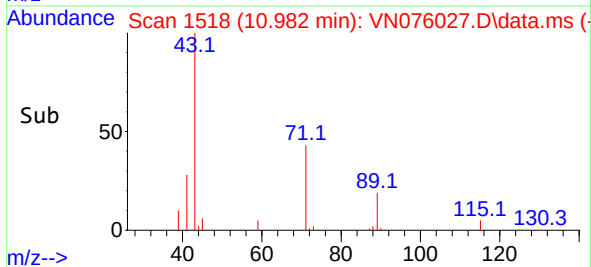
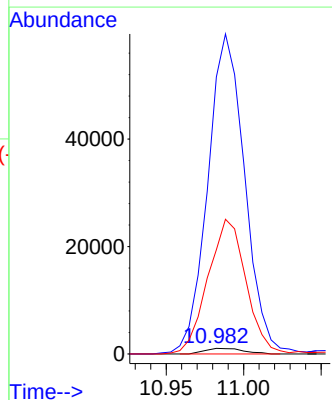
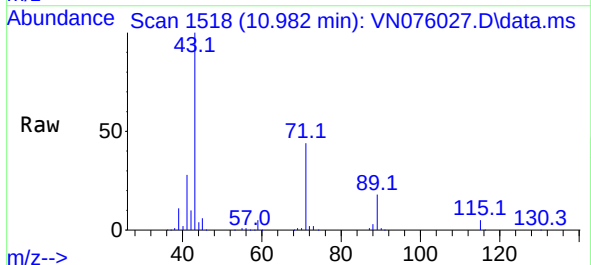
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

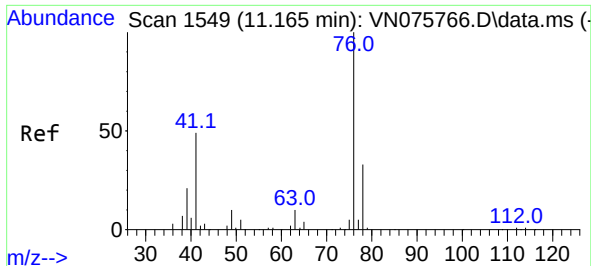
Tgt Ion: 75 Resp: 77048
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 28.7 33.4 50.2#



#56
Ethyl methacrylate
Concen: 0.361 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 69 Resp: 1818
Ion Ratio Lower Upper
69 100
41 5459.0 44.2 66.4#
39 2367.8 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.638 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076027.D

Acq: 29 Dec 2022 02:55

Instrument :

MSVOA_N

ClientSampleId :

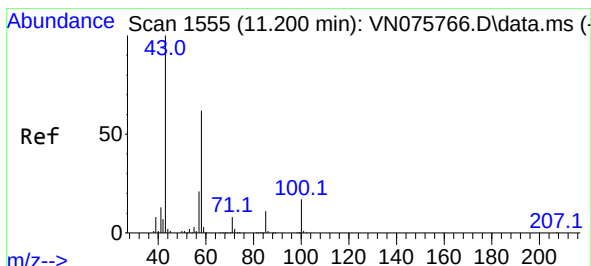
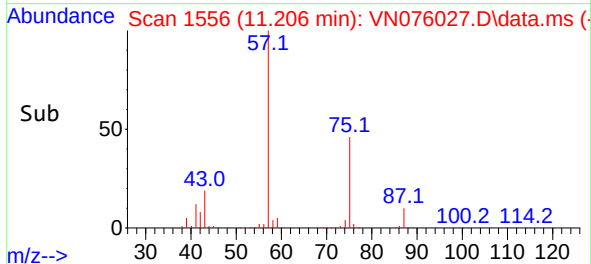
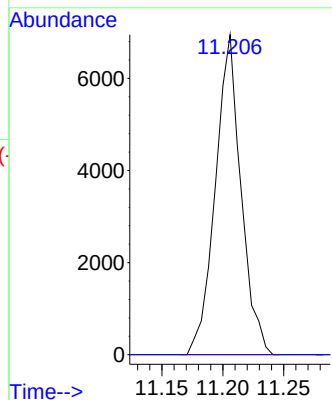
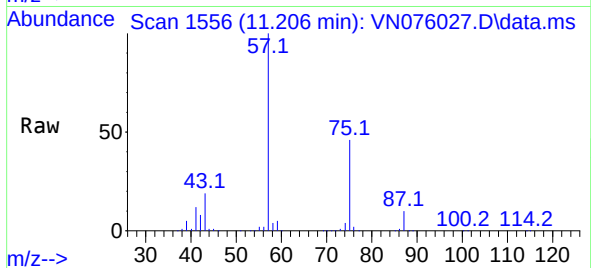
PB149923ZHE#08

Tgt Ion: 76 Resp: 10188

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 53.695 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN076027.D

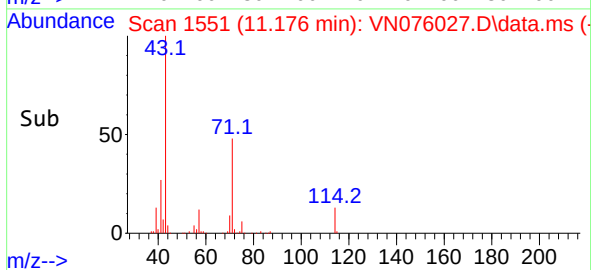
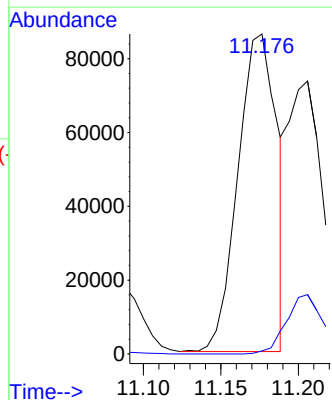
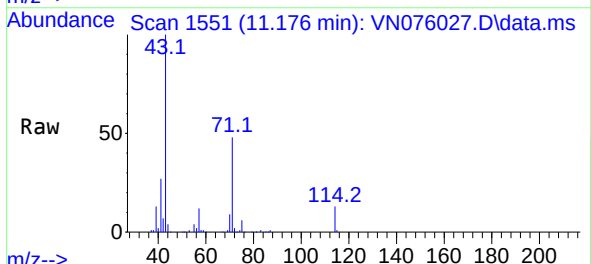
Acq: 29 Dec 2022 02:55

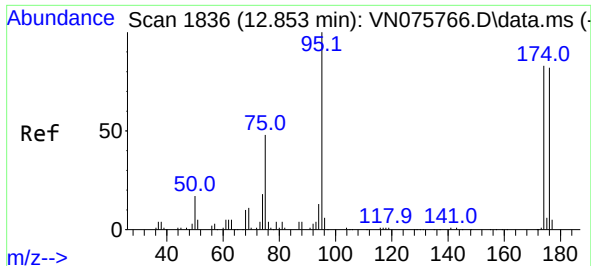
Tgt Ion: 43 Resp: 150868

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

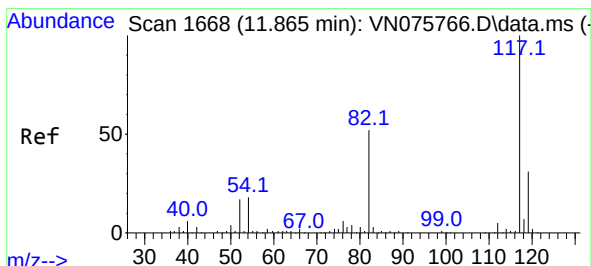
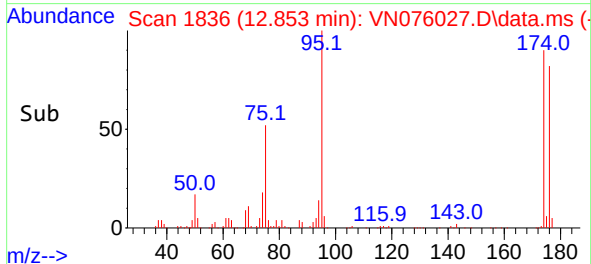
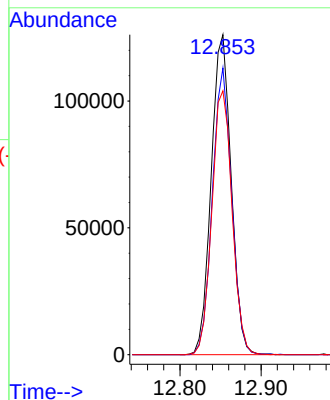
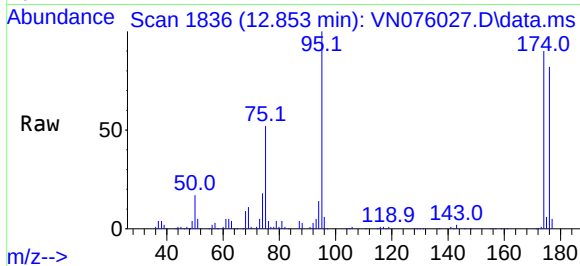




#62
4-Bromofluorobenzene
Concen: 48.127 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

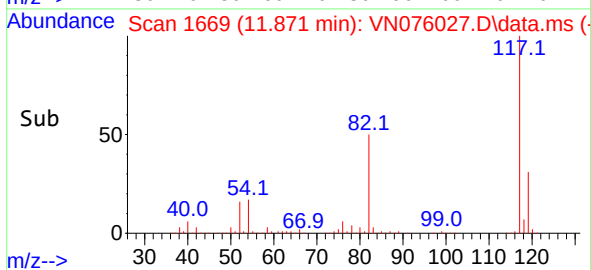
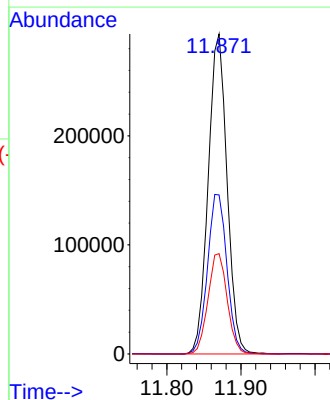
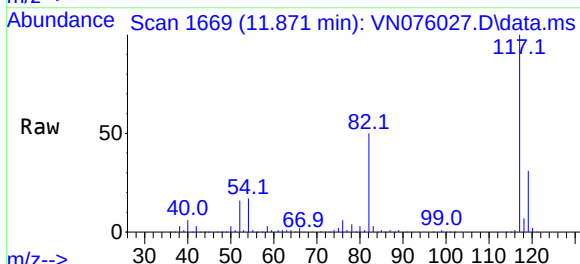
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

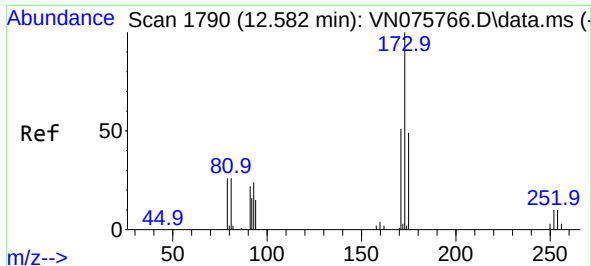
Tgt Ion: 95 Resp: 215714
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 83.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 117 Resp: 518436
Ion Ratio Lower Upper
117 100
82 49.7 41.3 61.9
119 31.3 24.6 37.0

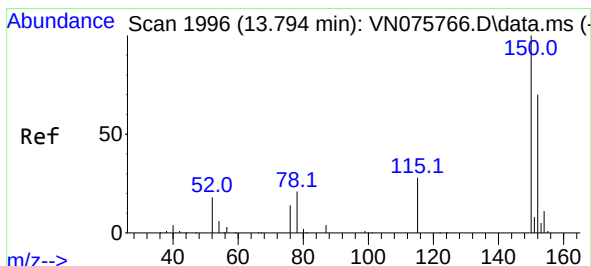
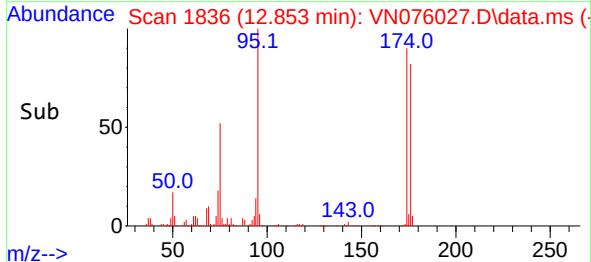
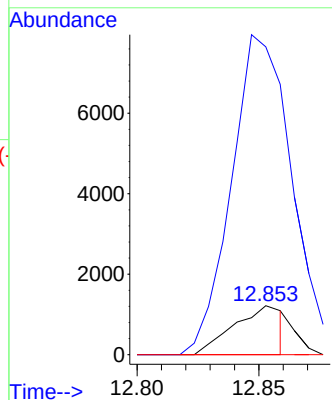
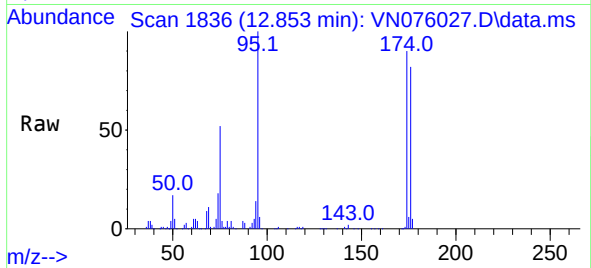




#71
Bromoform
Concen: 0.595 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

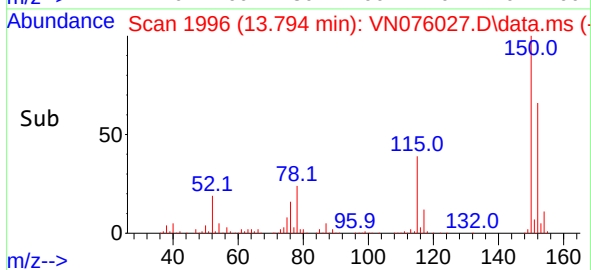
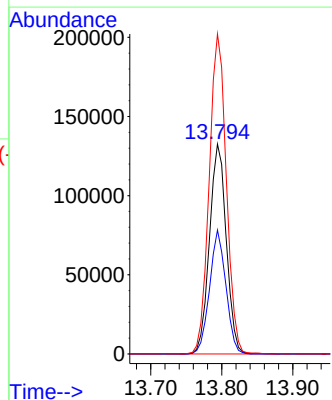
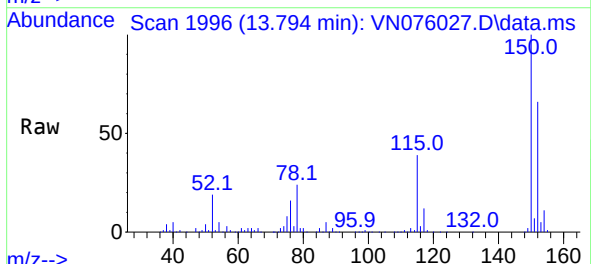
Instrument :
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ClientSampleId :
PB149923ZHE#08

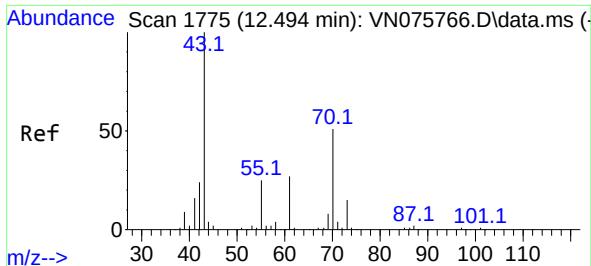
Tgt Ion:173 Resp: 1706
Ion Ratio Lower Upper
173 100
175 659.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion:152 Resp: 218237
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 155.1 0.0 347.0

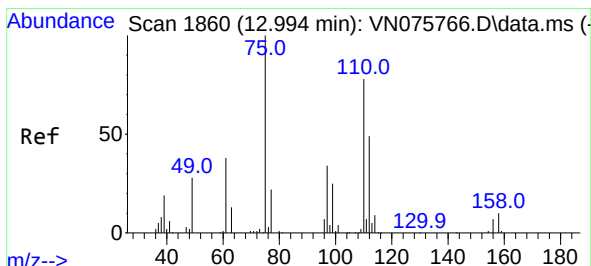
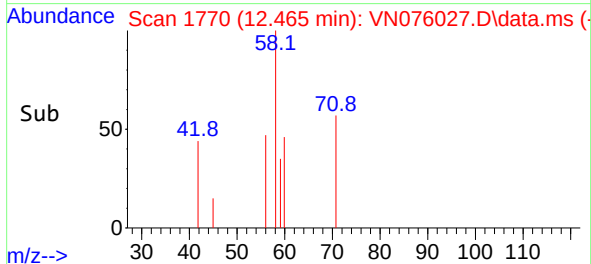
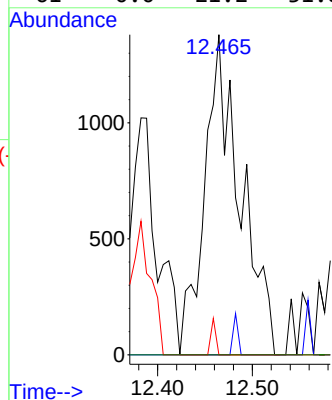
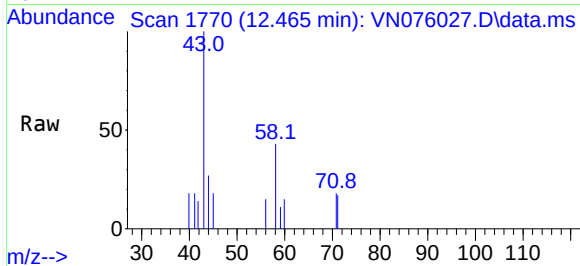




#74
N-amy1 acetate
Concen: 0.780 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

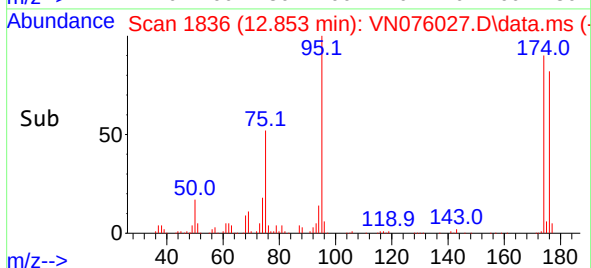
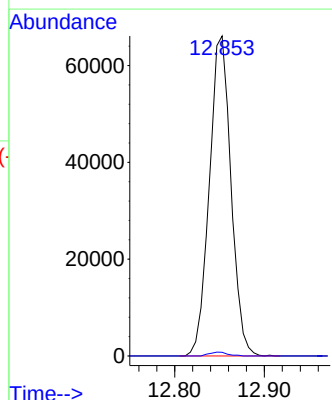
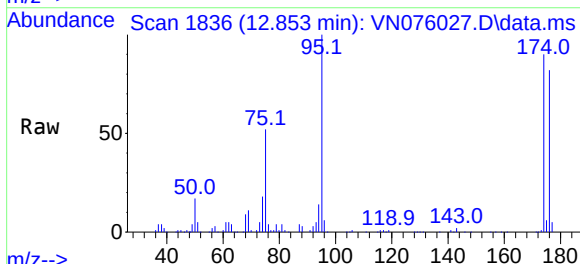
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

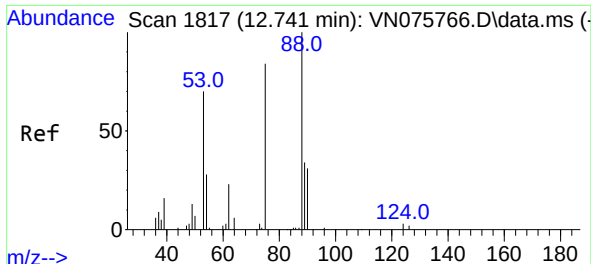
Tgt Ion: 43	Resp: 3609
Ion Ratio	Lower Upper
43	100
70	1.7 41.4 62.0#
55	0.0 21.3 31.9#
61	0.0 21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.167 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion: 75	Resp: 110715
Ion Ratio	Lower Upper
75	100
77	1.0 82.6 247.8#

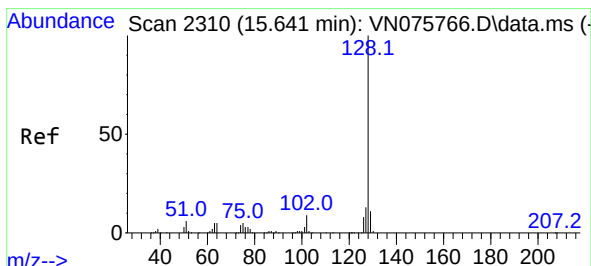
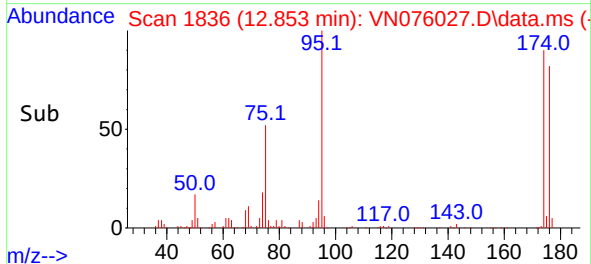
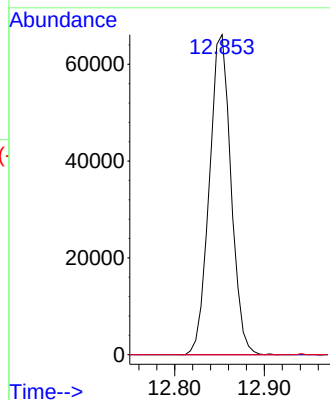
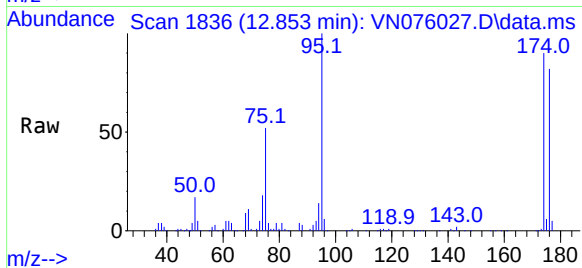




#81
trans-1,4-Dichloro-2-butene
Concen: 90.590 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#08

Tgt Ion: 75 Resp: 110715
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.443 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076027.D
Acq: 29 Dec 2022 02:55

Tgt Ion:128 Resp: 3296
Ion Ratio Lower Upper
128 100
127 1.7 10.4 15.6#
129 7.9 8.7 13.1#

