

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085555.D
 Acq On : 29 Jan 2025 14:16
 Operator : JC\MD
 Sample : Q1206-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:35:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

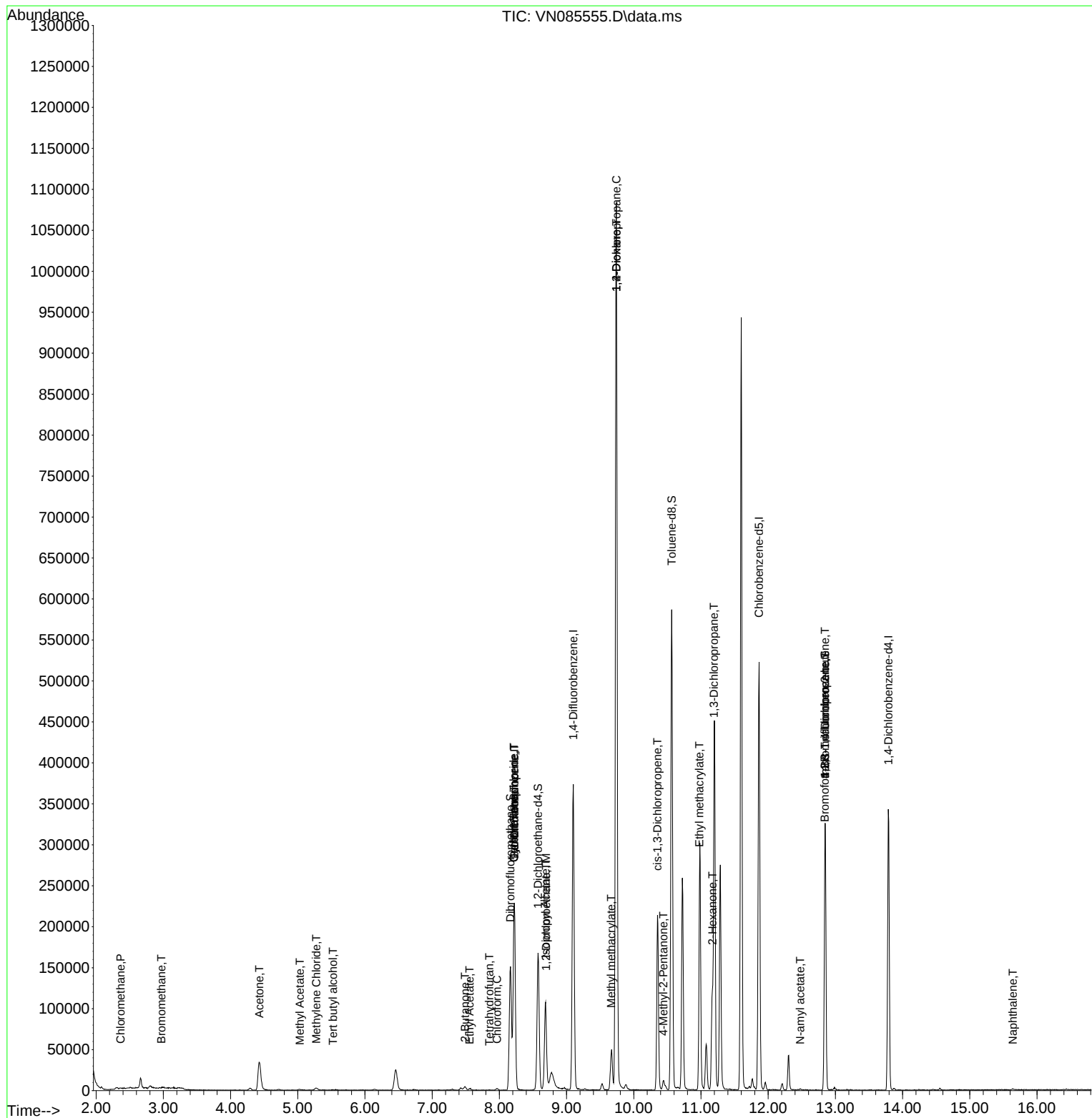
Internal Standards						
1) Pentafluorobenzene	8.224	168	159764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141700	54.945	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.900%			
35) Dibromofluoromethane	8.165	113	107318	51.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.340%			
50) Toluene-d8	10.565	98	389544	52.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.560%			
62) 4-Bromofluorobenzene	12.847	95	108063	42.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	593	0.253	ug/l #	41
5) Bromomethane	2.971	94	375	0.264	ug/l #	76
11) Tert butyl alcohol	5.524	59	276	0.935	ug/l #	71
16) Acetone	4.430	43	67014	80.423	ug/l	97
18) Methyl Acetate	5.030	43	2034	0.803	ug/l #	60
20) Methylene Chloride	5.277	84	1445	0.700	ug/l #	86
25) 2-Butanone	7.489	43	7310	5.961	ug/l	95
29) Tetrahydrofuran	7.853	42	419	0.539	ug/l #	34
30) Chloroform	7.965	83	1988	0.511	ug/l	84
31) Cyclohexane	8.218	56	4762	1.455	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	14672	5.033	ug/l #	51
37) Ethyl Acetate	7.559	43	3367	1.144	ug/l #	75
38) Carbon Tetrachloride	8.218	117	18501	5.543	ug/l #	19
42) 1,2-Dichloroethane	8.694	62	701	0.212	ug/l #	76
43) Isopropyl Acetate	8.688	43	120188	25.491	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1333	0.596	ug/l #	43
48) Methyl methacrylate	9.665	41	3430	1.617	ug/l #	48
49) 1,4-Dioxane	9.741	88	54	1.511	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12503	4.570	ug/l #	76
54) cis-1,3-Dichloropropene	10.353	75	35141	10.584	ug/l #	69
56) Ethyl methacrylate	10.977	69	1848	2.456	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	4288	1.228	ug/l #	43
59) 2-Hexanone	11.171	43	87210	45.300	ug/l #	26
71) Bromoform	12.841	173	453	0.286	ug/l #	1
74) N-amyl acetate	12.476	43	1519	0.550	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	60515	32.710	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60515	88.500	ug/l #	3
95) Naphthalene	15.641	128	1842	0.450	ug/l #	69

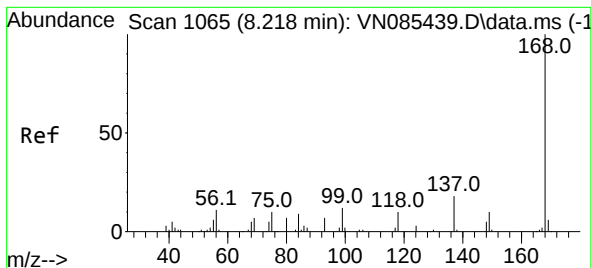
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
Data File : VN085555.D
Acq On : 29 Jan 2025 14:16
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Sample : Q1206-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 30 00:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

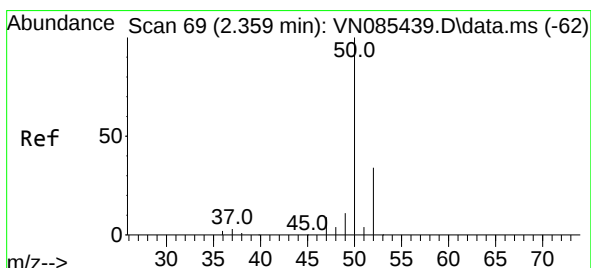
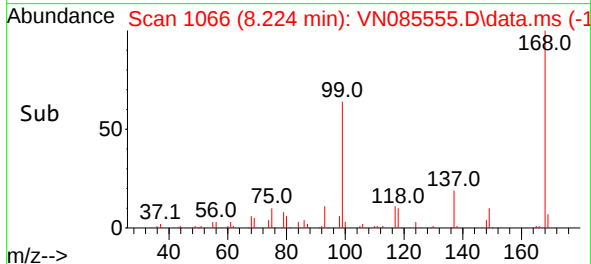
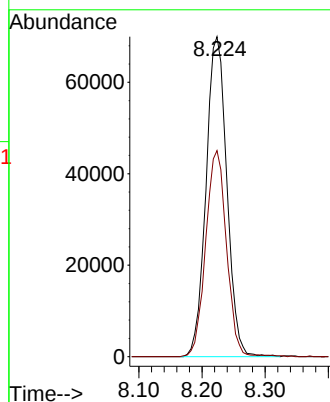
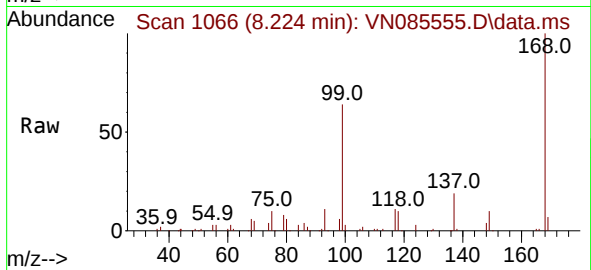




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

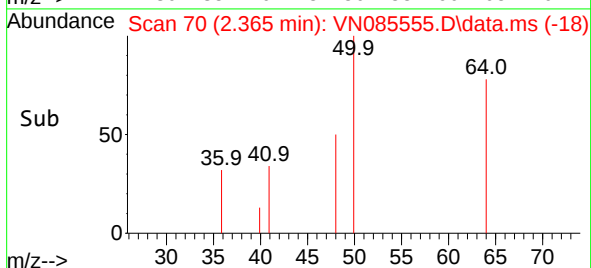
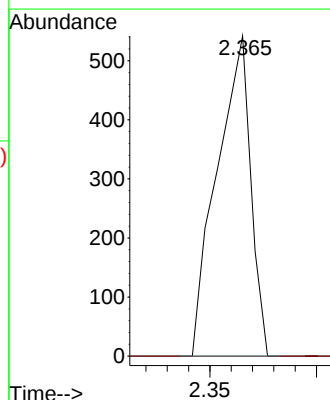
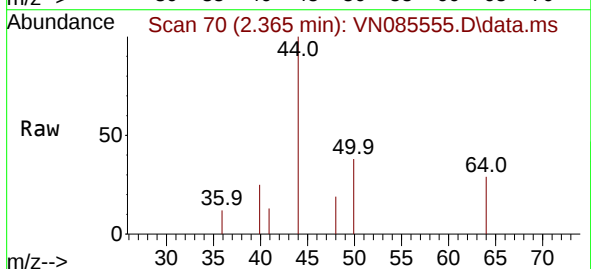
Instrument :
MSVOA_N
ClientSampleId :

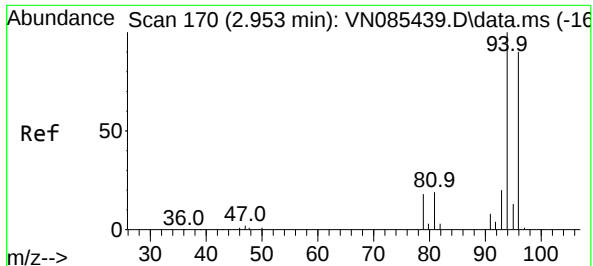
Tgt Ion:168 Resp: 159764
Ion Ratio Lower Upper
168 100
99 64.4 53.6 80.4



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

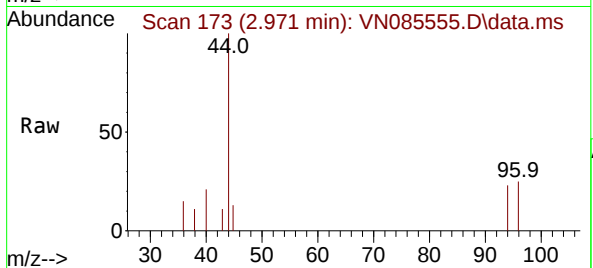
Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#



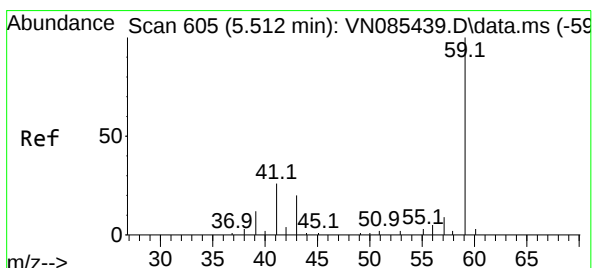
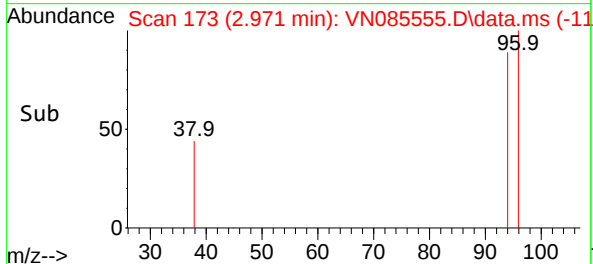
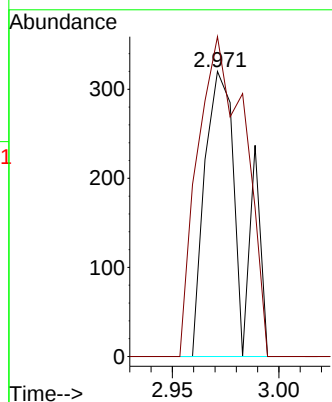


#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
MSVOA_N
ClientSampleId :

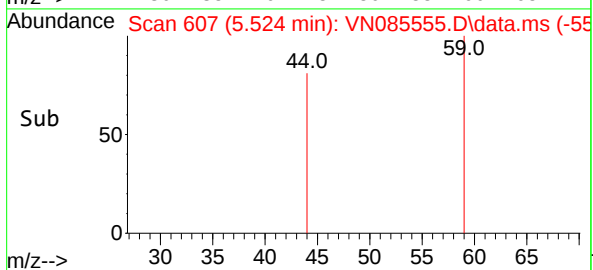
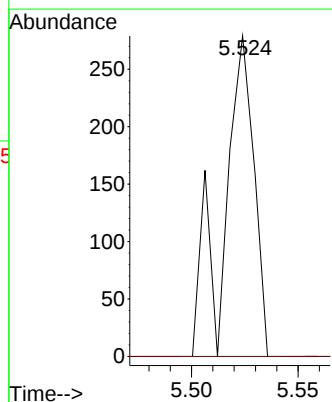
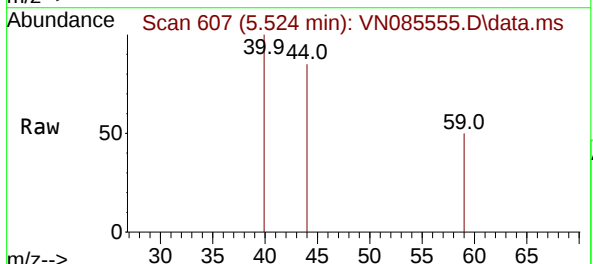


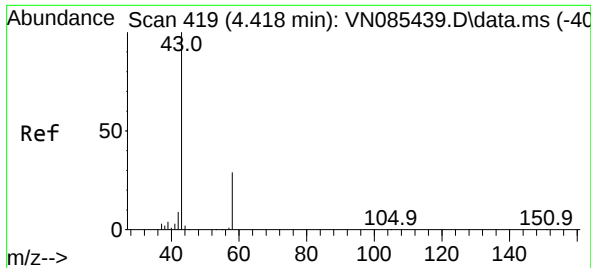
Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 112.2 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.935 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 80.423 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

Instrument :

MSVOA_N

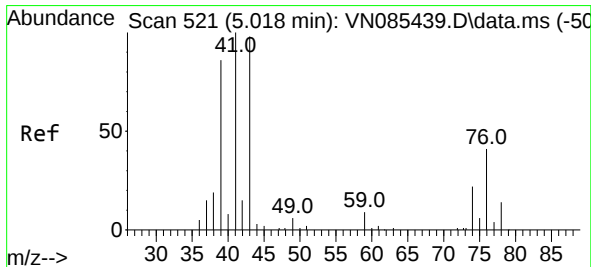
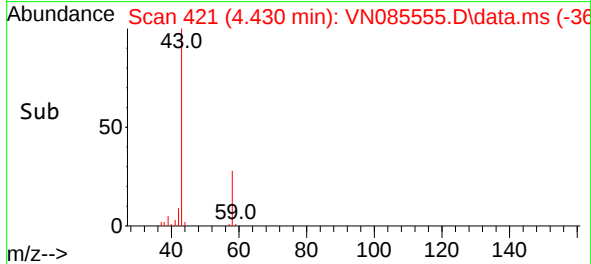
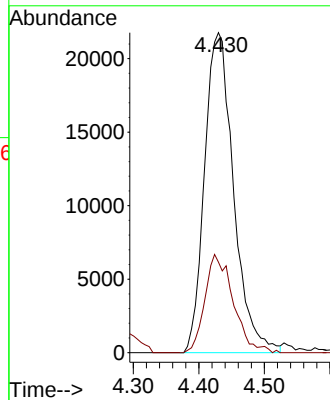
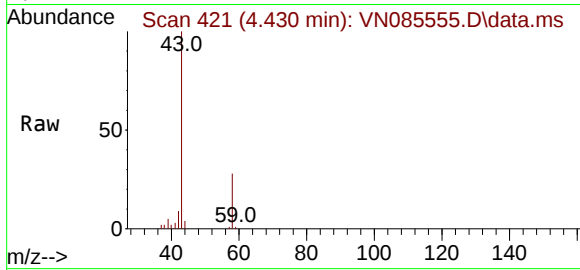
ClientSampleId :

Tgt Ion: 43 Resp: 67014

Ion Ratio Lower Upper

43 100

58 28.3 23.8 35.6



#18

Methyl Acetate

Concen: 0.803 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN085555.D

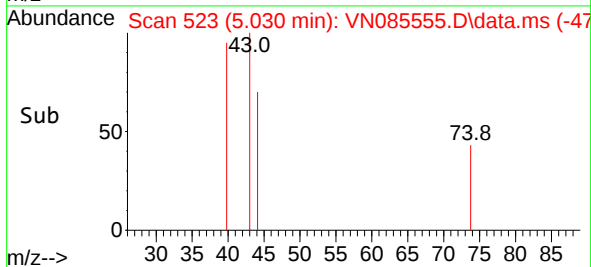
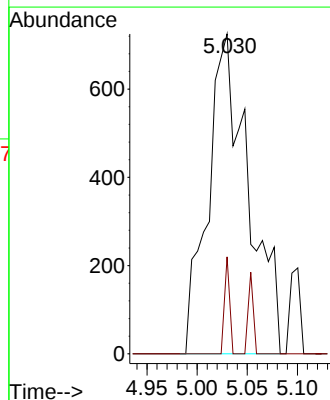
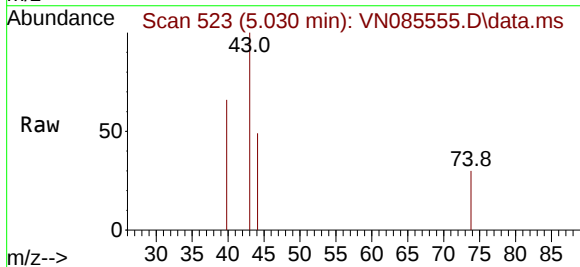
Acq: 29 Jan 2025 14:16

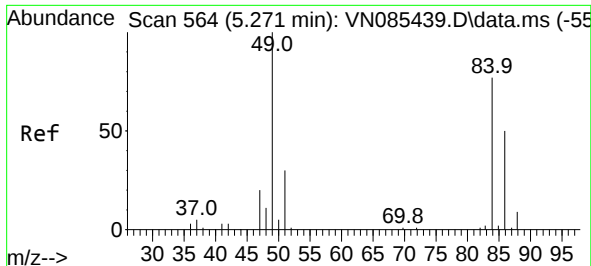
Tgt Ion: 43 Resp: 2034

Ion Ratio Lower Upper

43 100

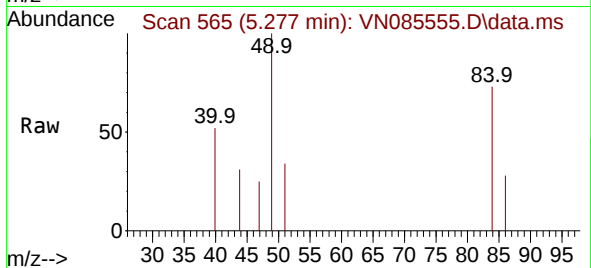
74 3.8 18.6 28.0#





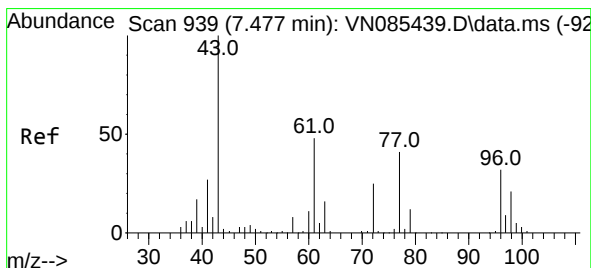
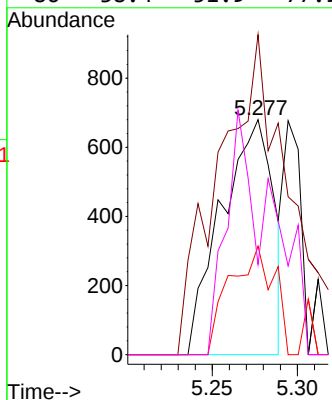
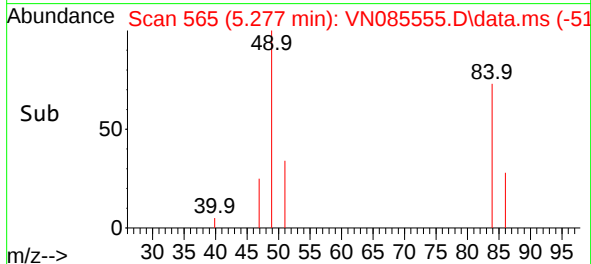
#20
Methylene Chloride
Concen: 0.700 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1445

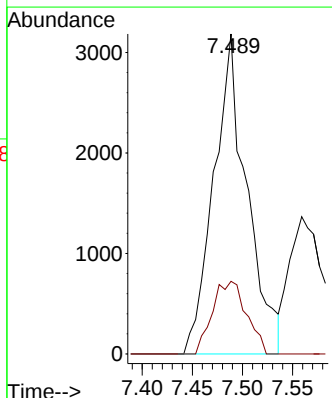
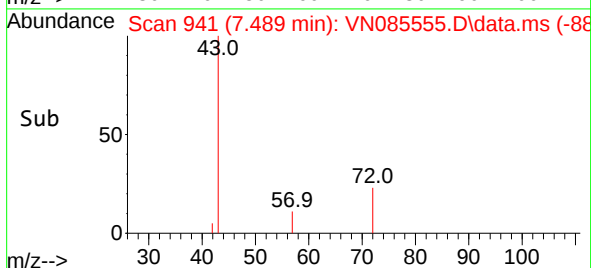
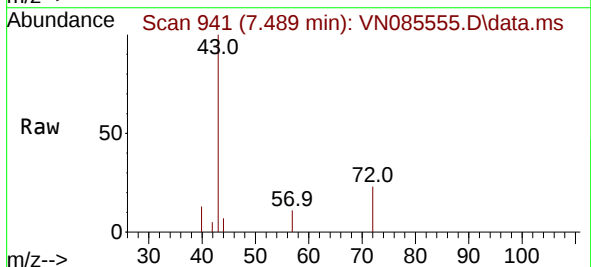
Ion	Ratio	Lower	Upper
84	100		
49	136.2	104.1	156.1
51	46.2	31.0	46.4
86	38.4	51.9	77.9

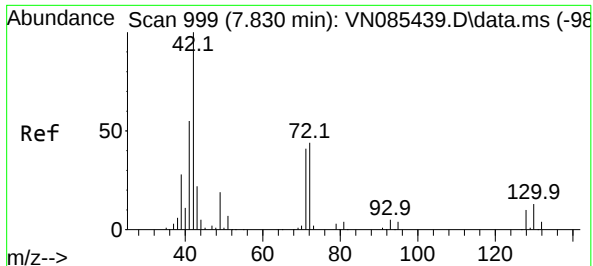


#25
2-Butanone
Concen: 5.961 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 43 Resp: 7310

Ion	Ratio	Lower	Upper
43	100		
72	22.7	20.2	30.4





#29

Tetrahydrofuran

Concen: 0.539 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.024 min

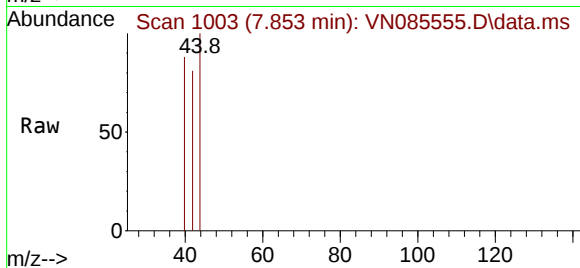
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Acq: 29 Jan 2025 14:16

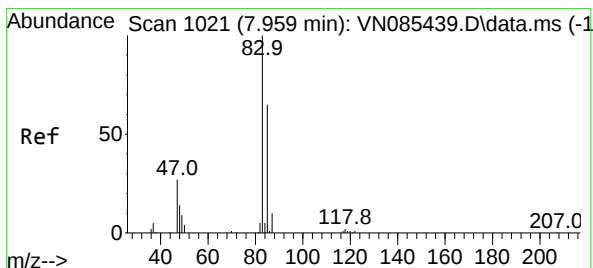
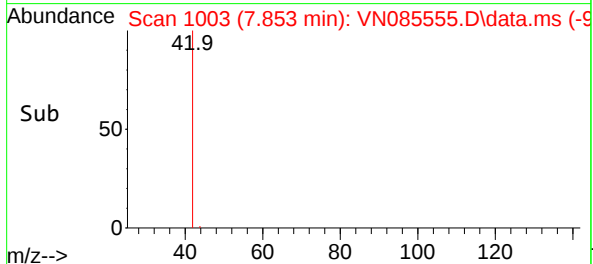
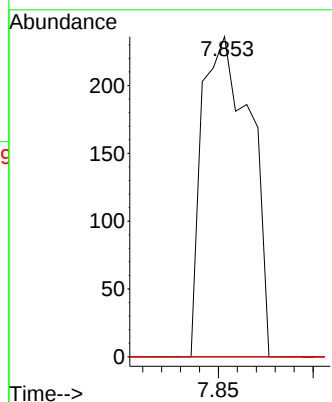
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	419
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.511 ug/l

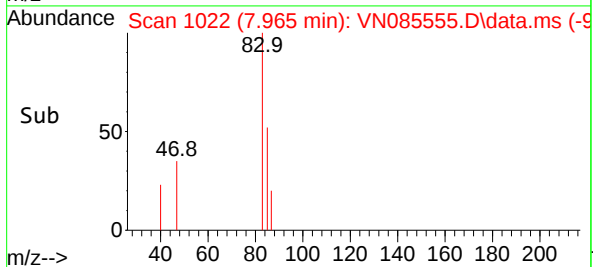
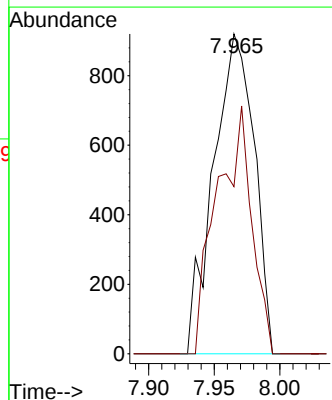
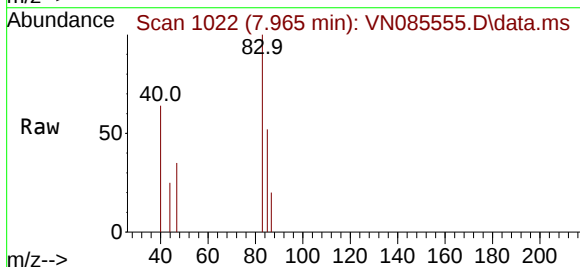
RT: 7.965 min Scan# 1022

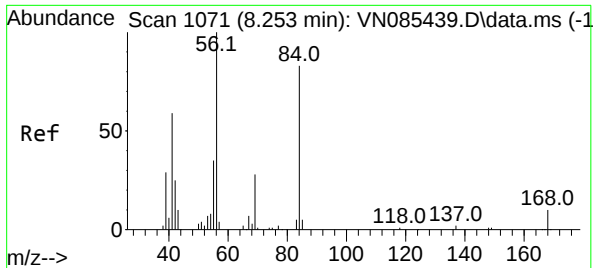
Delta R.T. 0.006 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

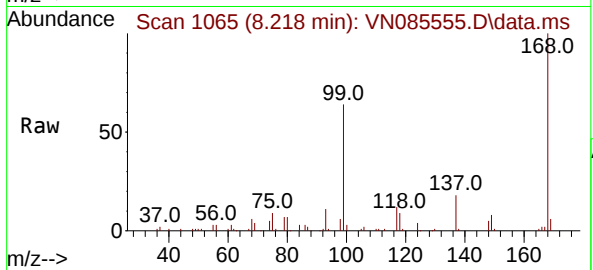
Tgt Ion:	83	Resp:	1988
Ion	Ratio	Lower	Upper
83	100		
85	52.3	51.8	77.6



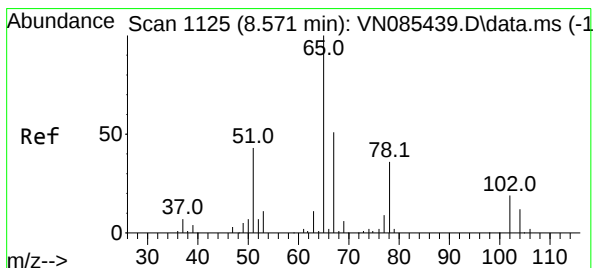
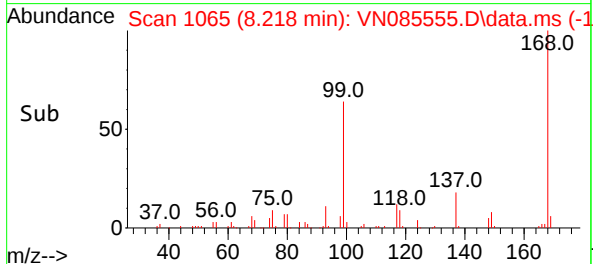
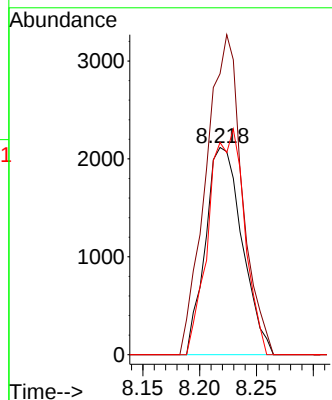


#31
Cyclohexane
Concen: 1.455 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
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ClientSampleId :

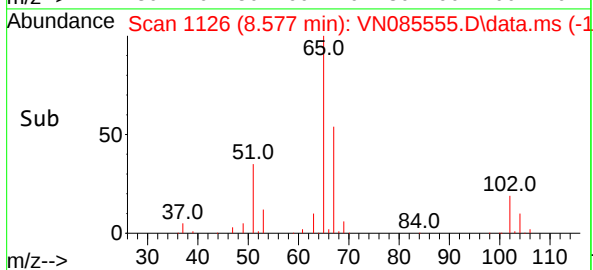
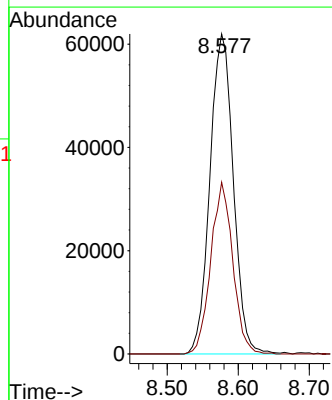
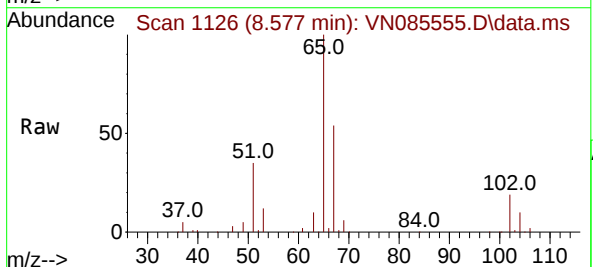


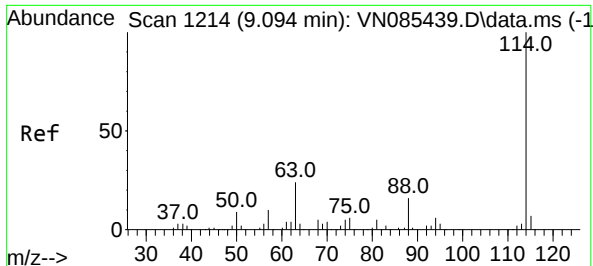
Tgt Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 135.6 22.2 33.4#
84 102.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.945 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 65 Resp: 141700
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

Instrument :

MSVOA_N

ClientSampleId :

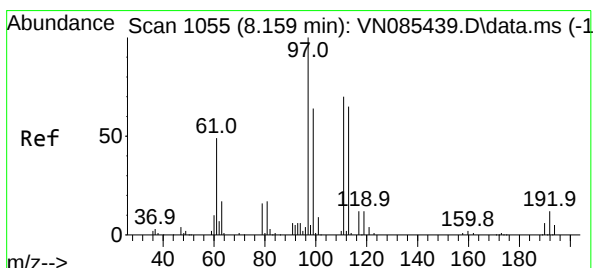
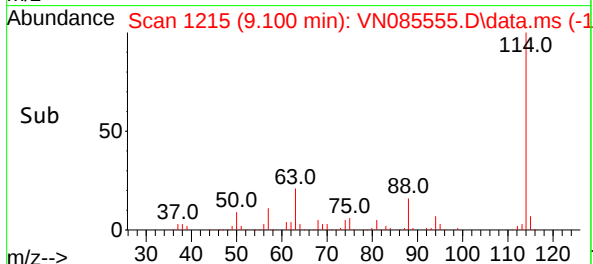
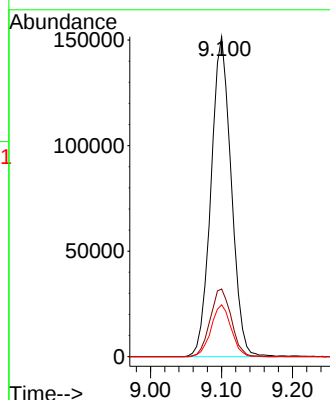
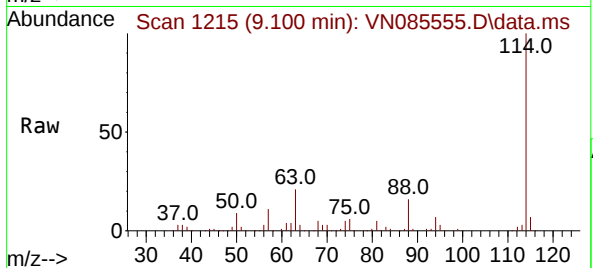
Tgt Ion:114 Resp: 299409

Ion Ratio Lower Upper

114 100

63 21.2 0.0 47.6

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.666 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

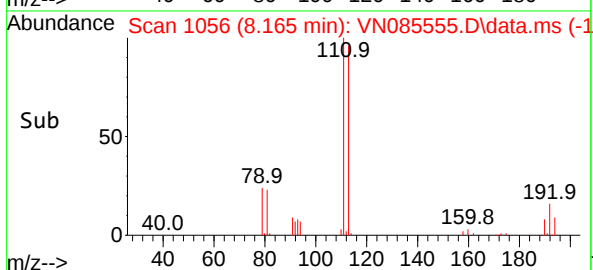
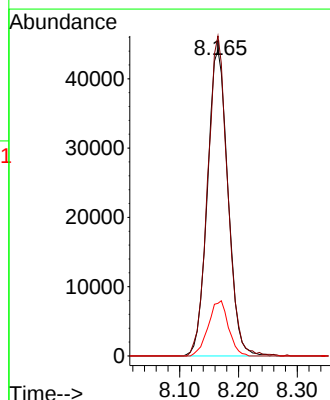
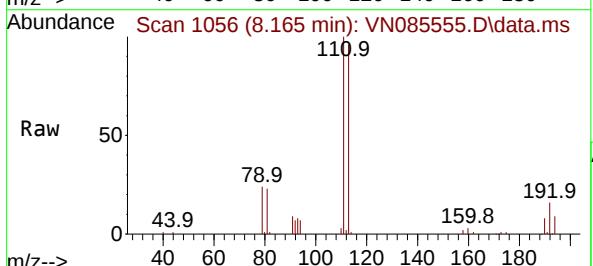
Tgt Ion:113 Resp: 107318

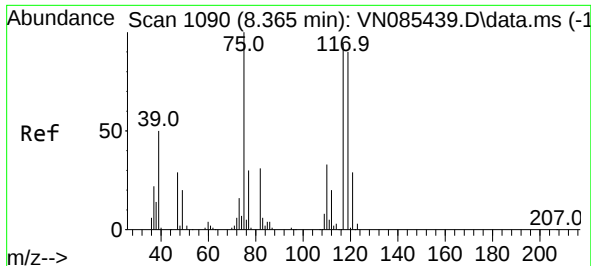
Ion Ratio Lower Upper

113 100

111 101.4 82.7 124.1

192 17.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.033 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

Instrument :

MSVOA_N

ClientSampleId :

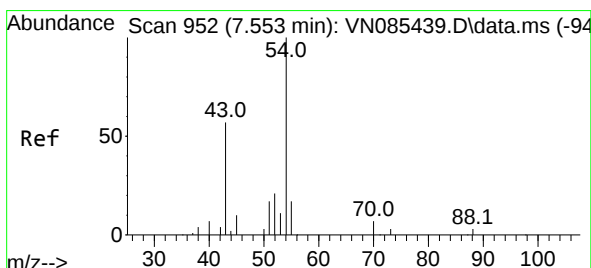
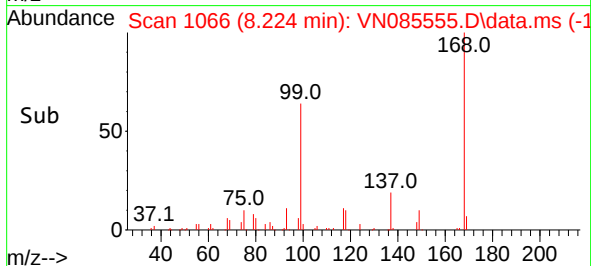
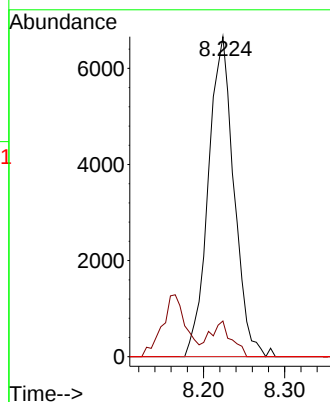
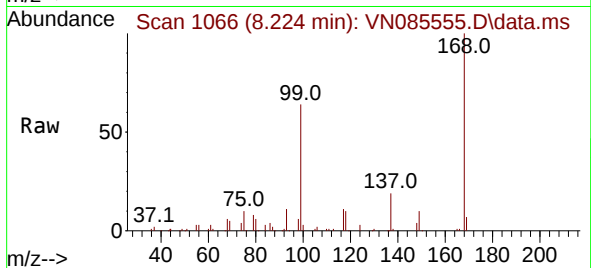
Tgt Ion: 75 Resp: 14672

Ion Ratio Lower Upper

75 100

110 9.3 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.144 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

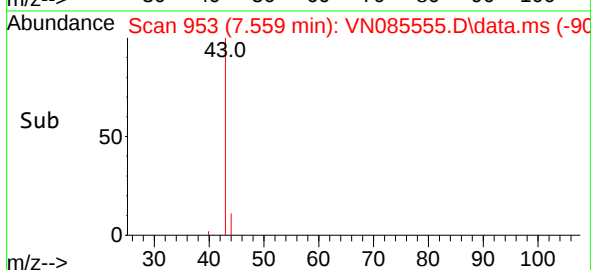
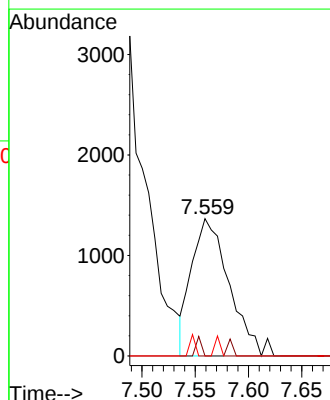
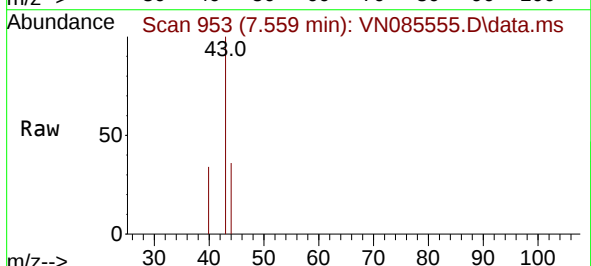
Tgt Ion: 43 Resp: 3367

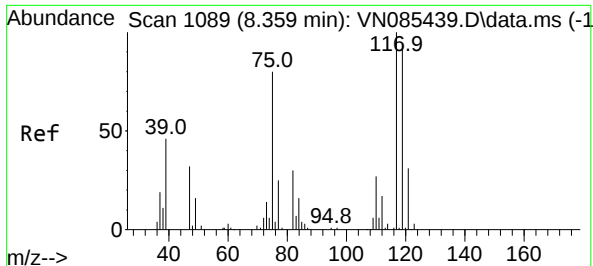
Ion Ratio Lower Upper

43 100

61 2.0 10.9 16.3#

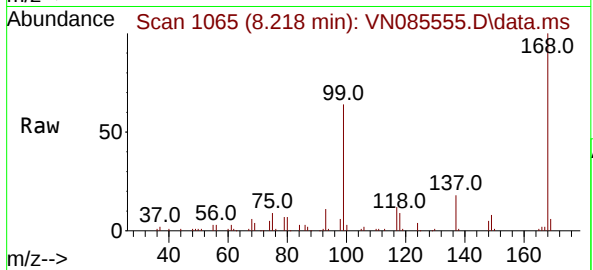
70 2.2 7.5 11.3#



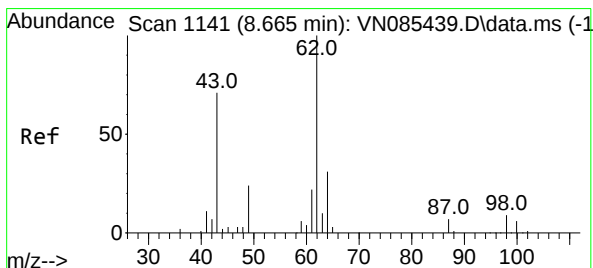
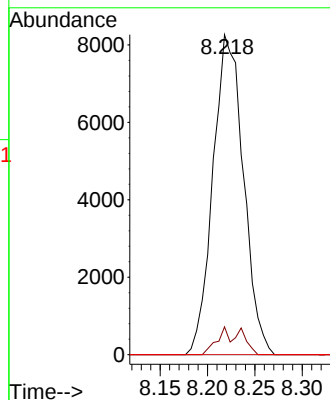
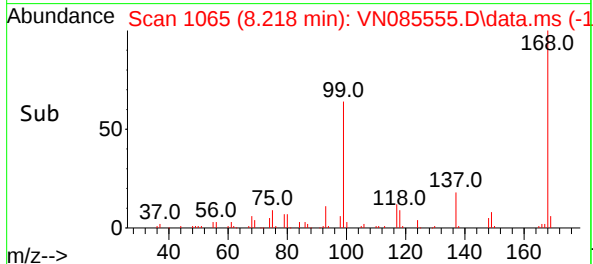


#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
MSVOA_N
ClientSampleId :

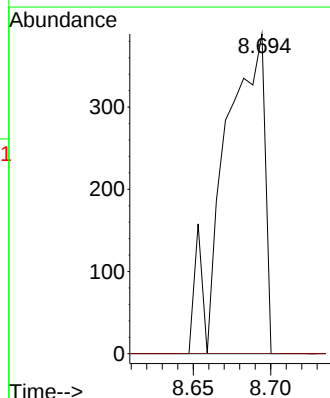
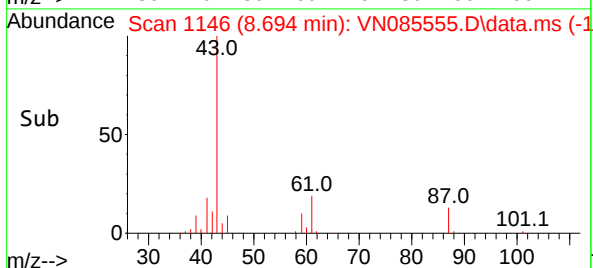
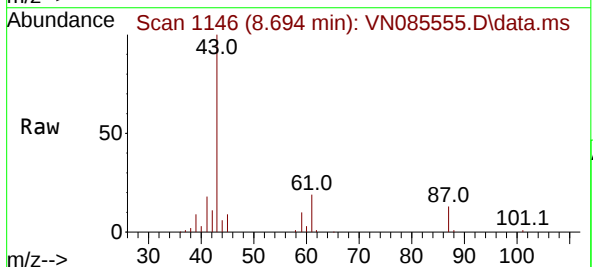


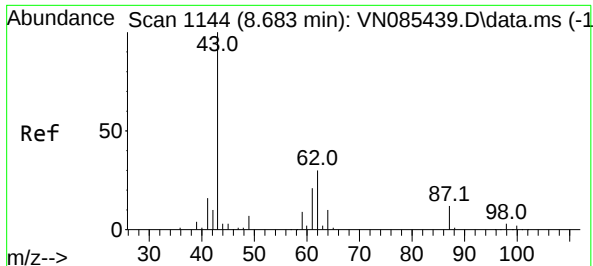
Tgt Ion:117 Resp: 18501
Ion Ratio Lower Upper
117 100
119 8.7 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.212 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.029 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 62 Resp: 701
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

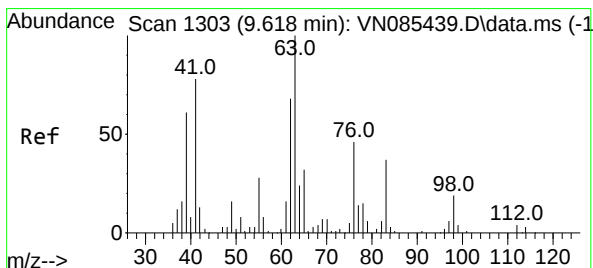
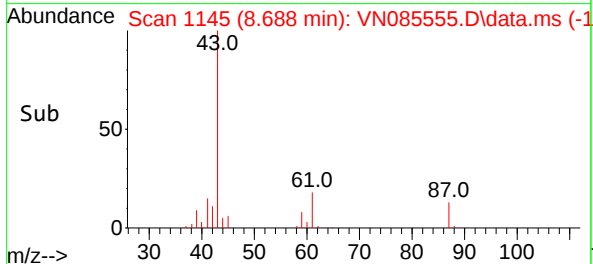
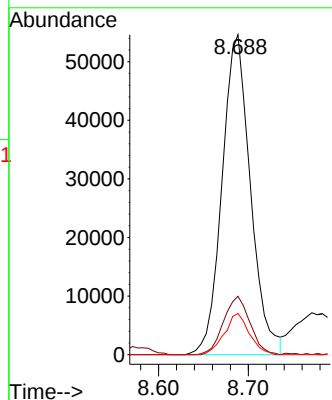
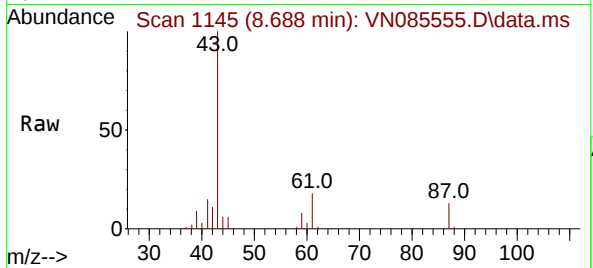




#43
Isopropyl Acetate
Concen: 25.491 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

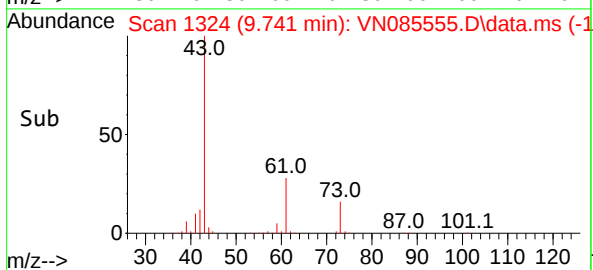
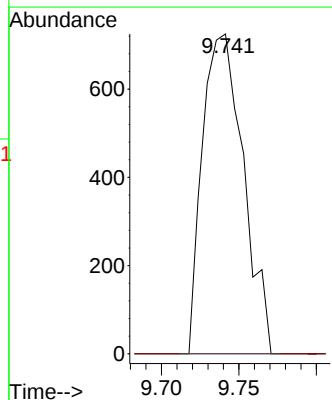
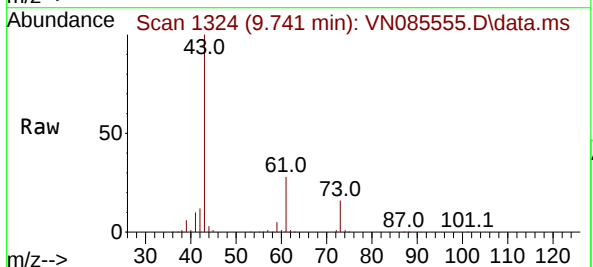
Instrument :
MSVOA_N
ClientSampleId :

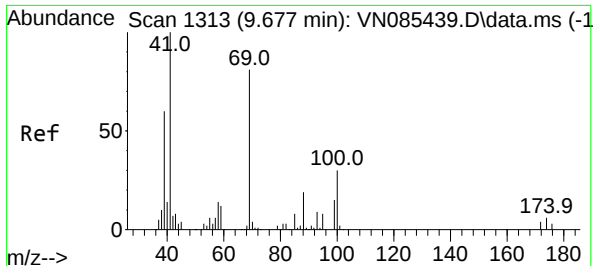
Tgt Ion: 43 Resp: 120188
Ion Ratio Lower Upper
43 100
61 17.0 20.7 31.1#
87 11.3 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.596 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 63 Resp: 1333
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.617 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

Instrument :

MSVOA_N

ClientSampleId :

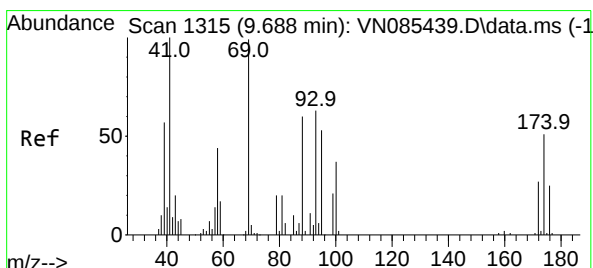
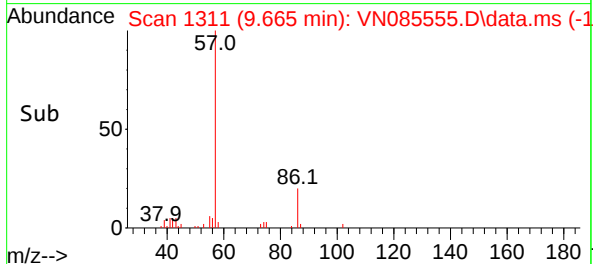
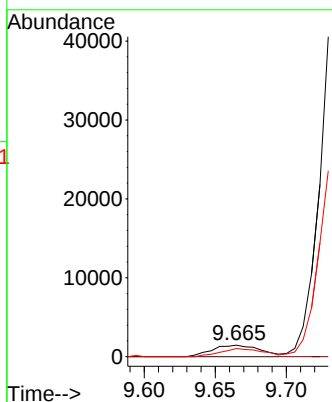
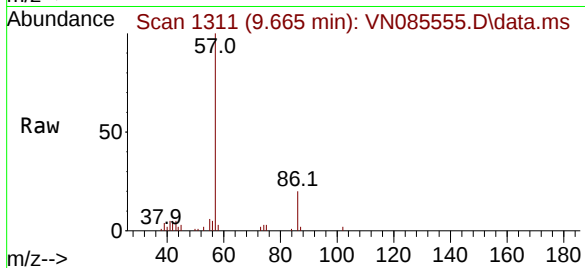
Tgt Ion: 41 Resp: 3430

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 62.0 49.0 73.6



#49

1,4-Dioxane

Concen: 1.511 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

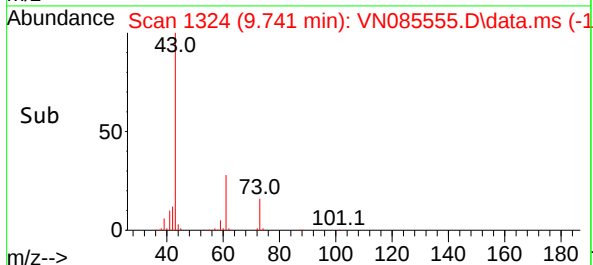
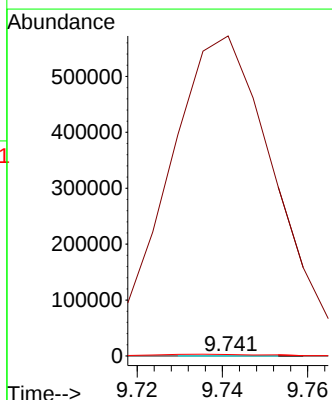
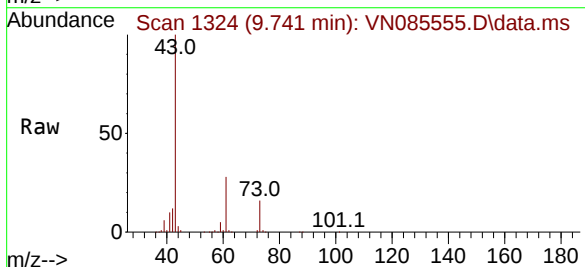
Tgt Ion: 88 Resp: 54

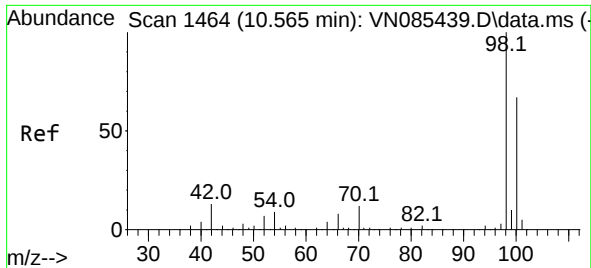
Ion Ratio Lower Upper

88 100

43 1903253.7 26.6 39.8#

58 11051.9 59.5 89.3#

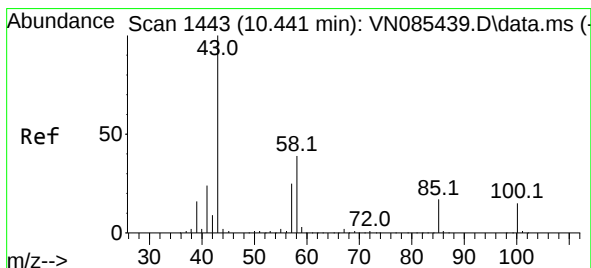
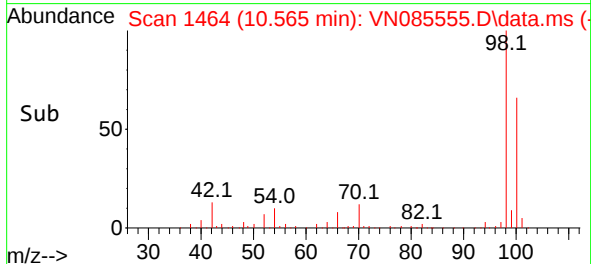
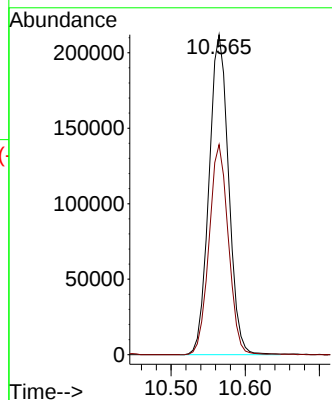
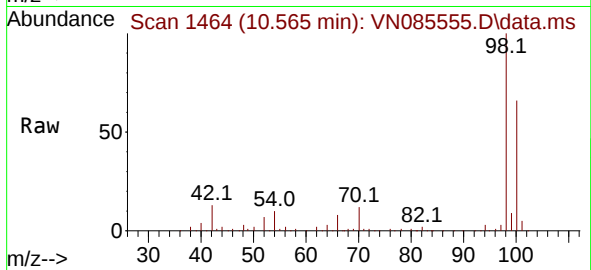




#50
Toluene-d8
Concen: 52.783 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

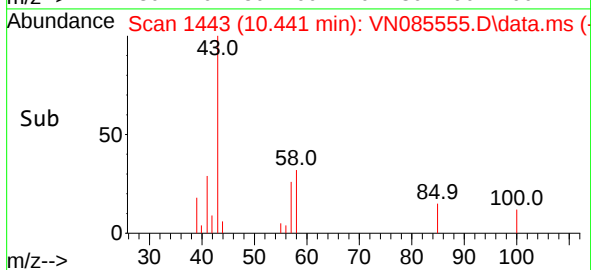
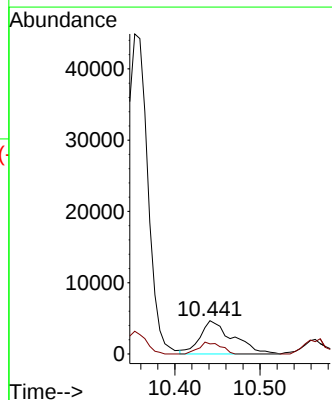
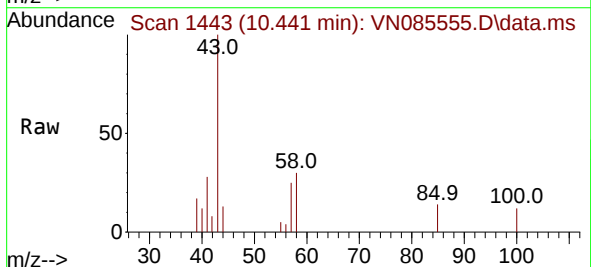
Instrument :
MSVOA_N
ClientSampleId :

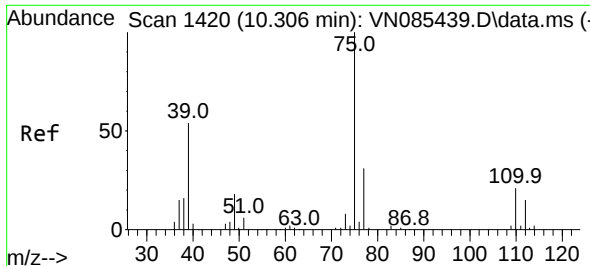
Tgt Ion: 98 Resp: 389544
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.570 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 43 Resp: 12503
Ion Ratio Lower Upper
43 100
58 23.8 30.5 45.7#

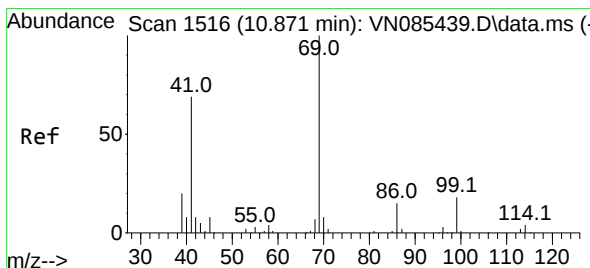
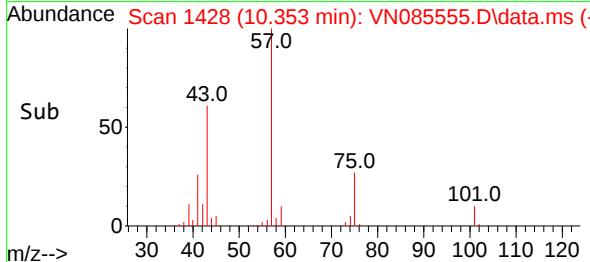
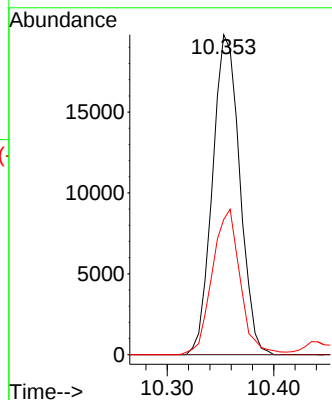
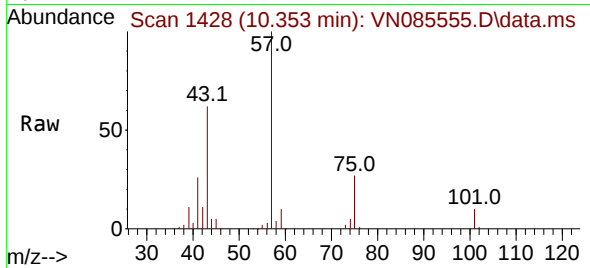




#54
 cis-1,3-Dichloropropene
 Concen: 10.584 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085555.D
 Acq: 29 Jan 2025 14:16

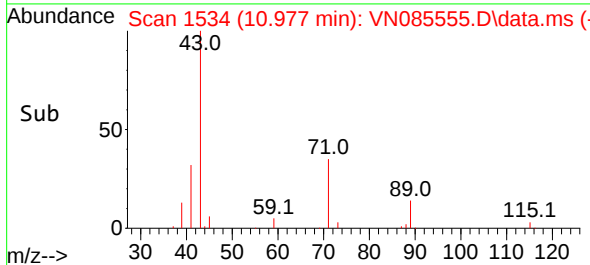
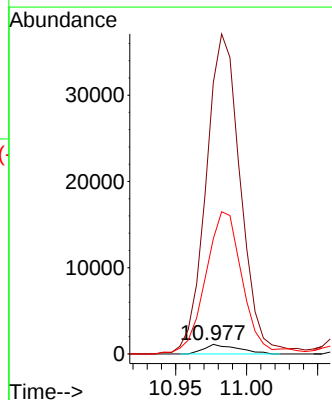
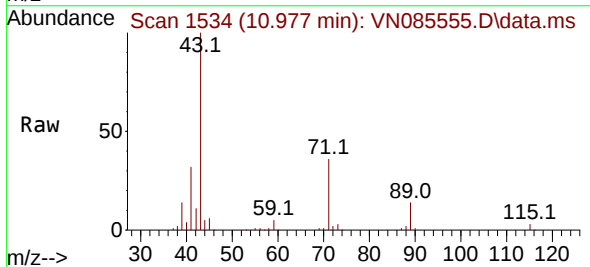
Instrument :
 MSVOA_N
 ClientSampleId :

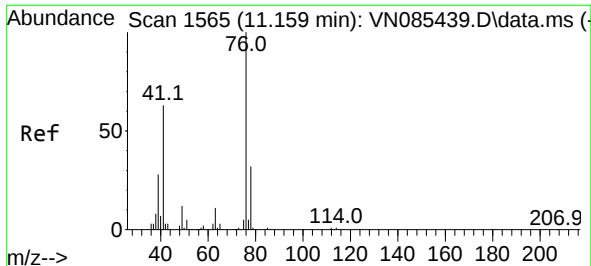
Tgt Ion: 75 Resp: 35141
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.3 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.456 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN085555.D
 Acq: 29 Jan 2025 14:16

Tgt Ion: 69 Resp: 1848
 Ion Ratio Lower Upper
 69 100
 41 3405.9 54.6 82.0#
 39 1618.0 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.228 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

Instrument :

MSVOA_N

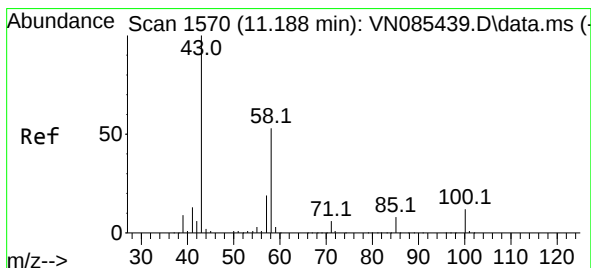
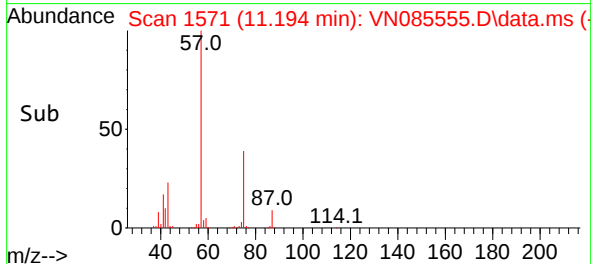
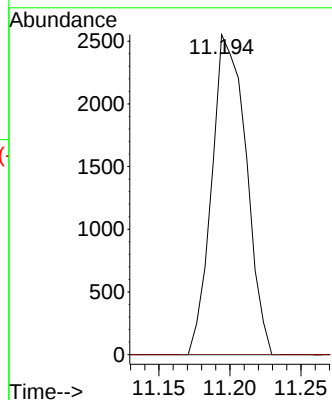
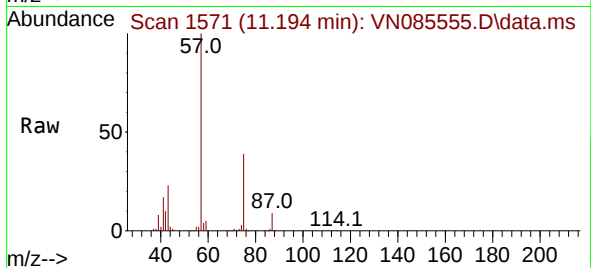
ClientSampleId :

Tgt Ion: 76 Resp: 4288

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.300 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085555.D

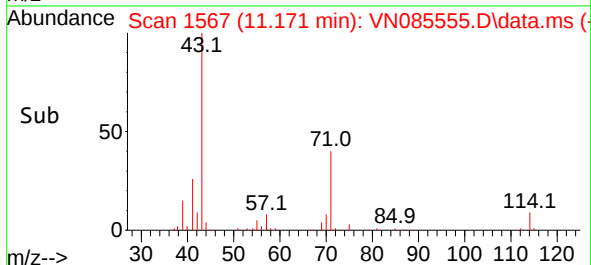
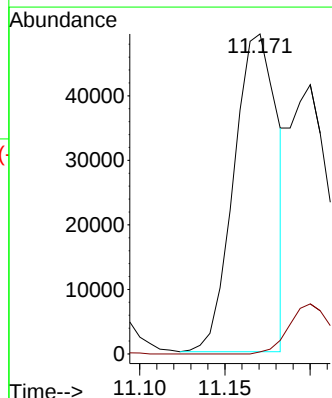
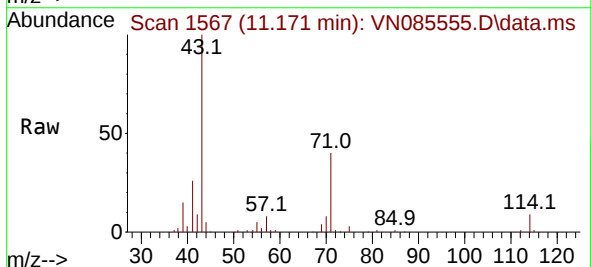
Acq: 29 Jan 2025 14:16

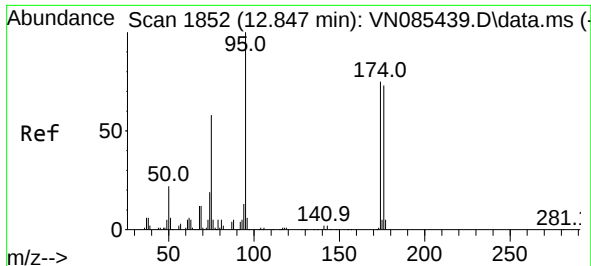
Tgt Ion: 43 Resp: 87210

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

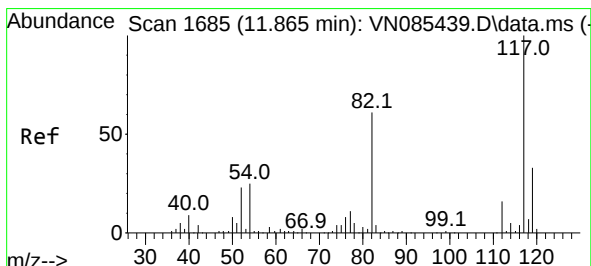
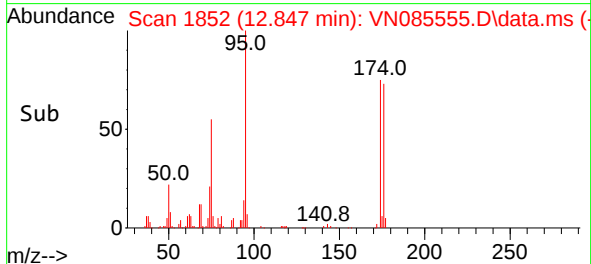
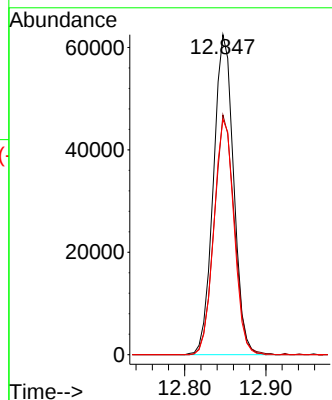
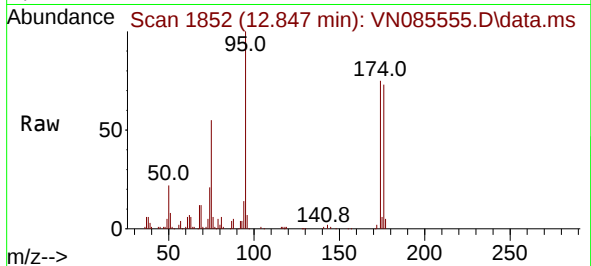




#62
4-Bromofluorobenzene
Concen: 42.805 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

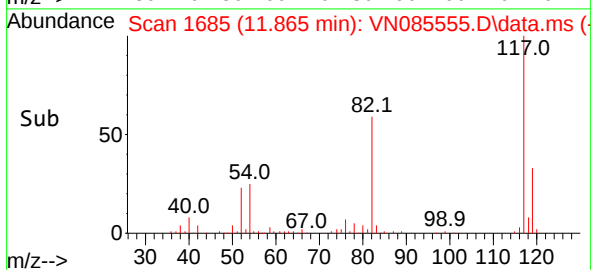
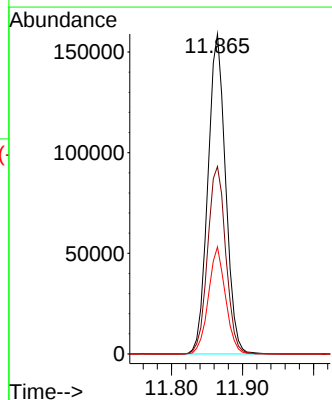
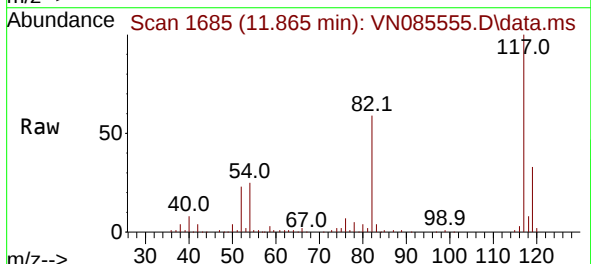
Instrument :
MSVOA_N
ClientSampleId :

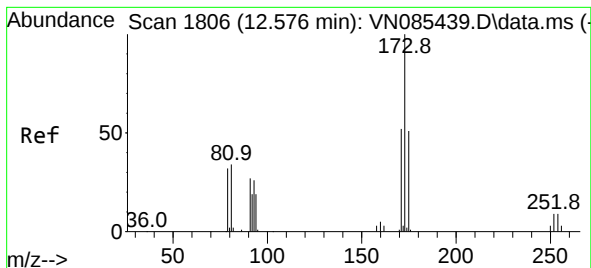
Tgt Ion: 95 Resp: 108063
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.0
176 73.2 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 117 Resp: 275083
Ion Ratio Lower Upper
117 100
82 58.6 48.6 72.8
119 33.4 26.6 39.8





#71

Bromoform

Concen: 0.286 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

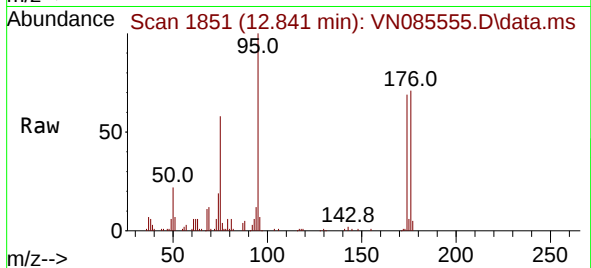
Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

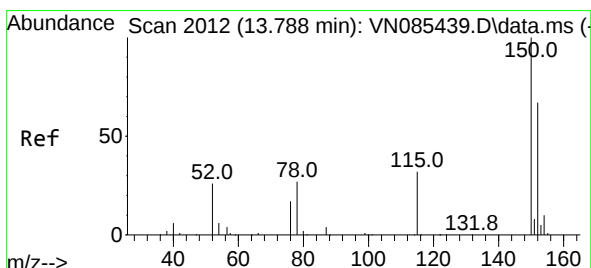
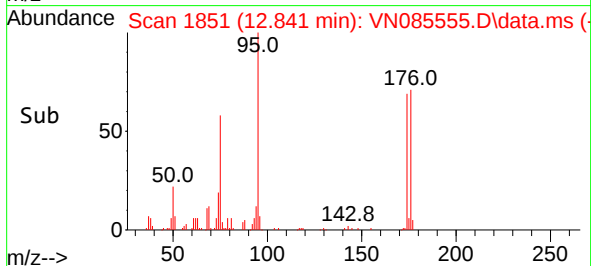
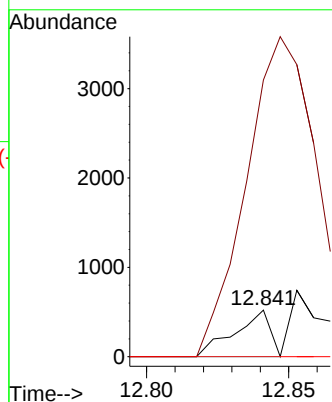
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	453
Ion Ratio	Lower	Upper	
173	100		
175	1046.6	24.4	73.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

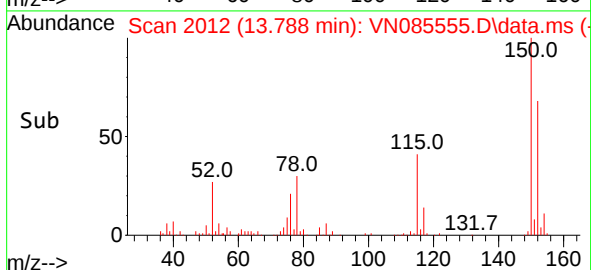
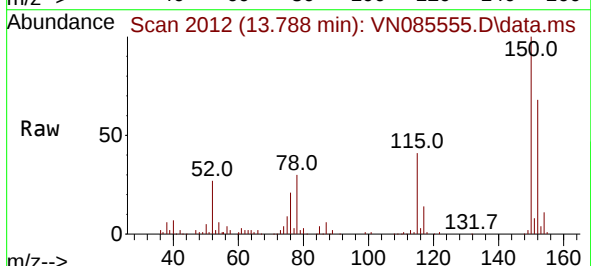
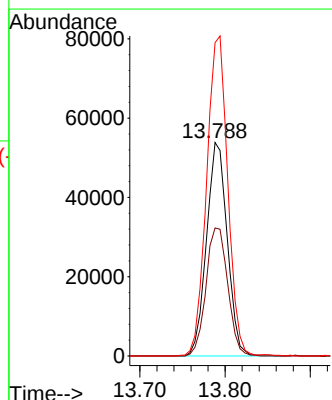
RT: 13.788 min Scan# 2012

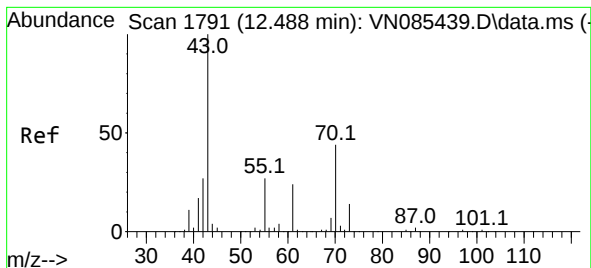
Delta R.T. 0.000 min

Lab File: VN085555.D

Acq: 29 Jan 2025 14:16

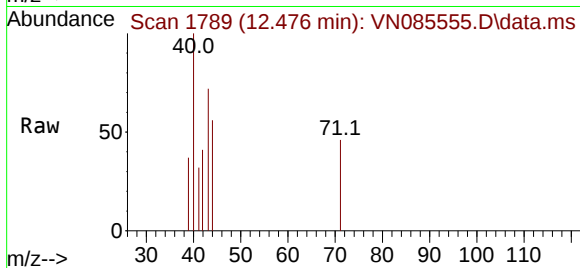
Tgt Ion:	152	Resp:	91021
Ion Ratio	Lower	Upper	
152	100		
115	62.9	31.1	93.3
150	152.9	0.0	343.6



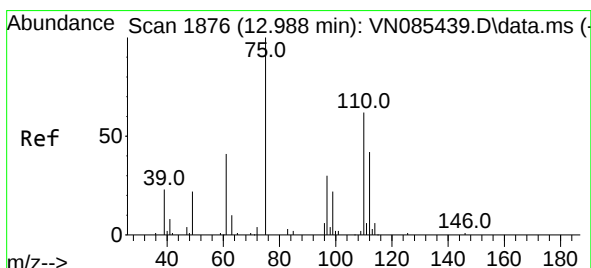
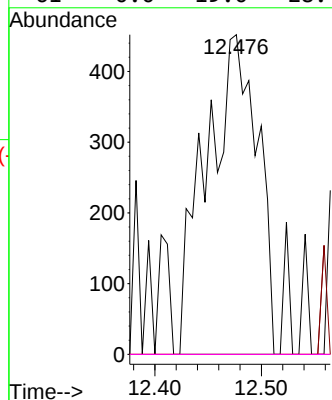
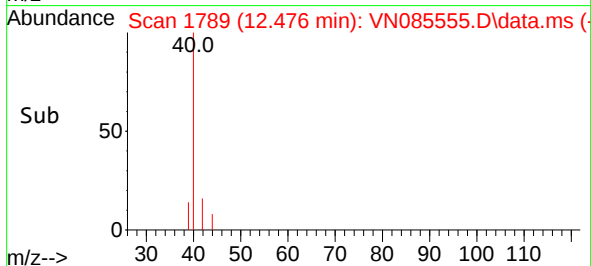


#74
N-amy1 acetate
Concen: 0.550 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
MSVOA_N
ClientSampleId :

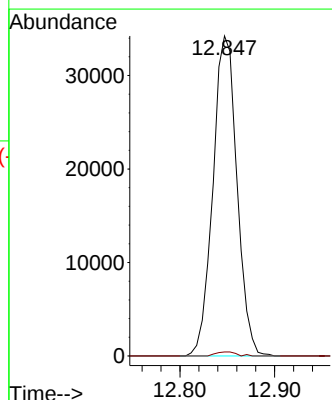
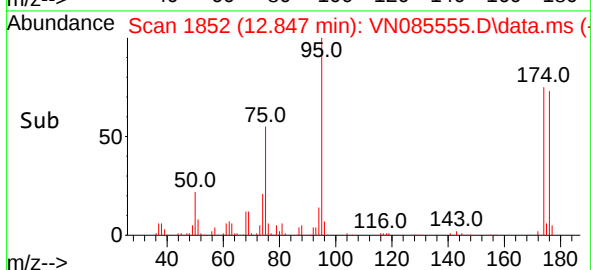
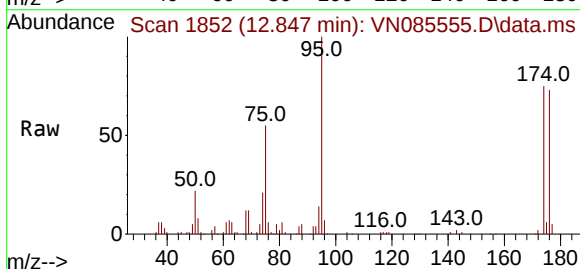


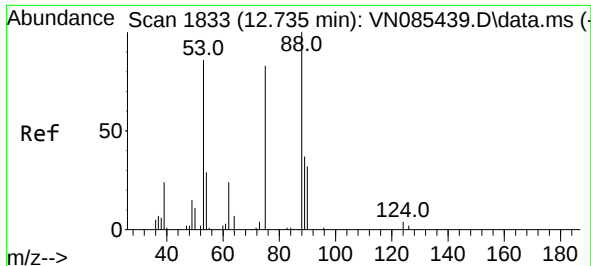
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
70 0.0 34.0 51.0#
55 0.0 21.4 32.2#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 32.710 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion: 75 Resp: 60515
Ion Ratio Lower Upper
75 100
77 1.1 109.7 329.2#

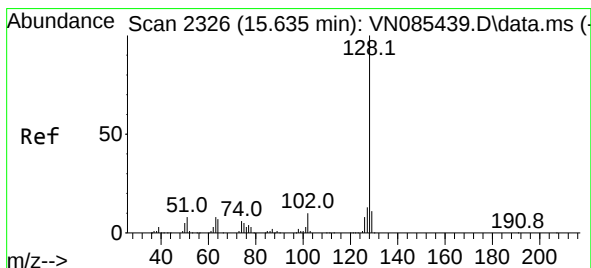
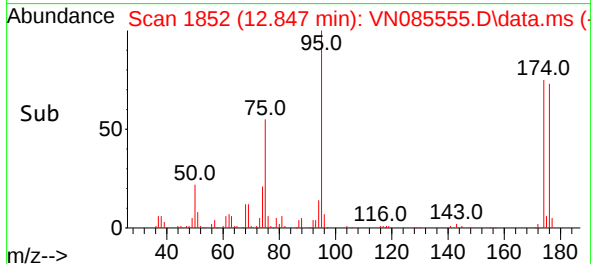
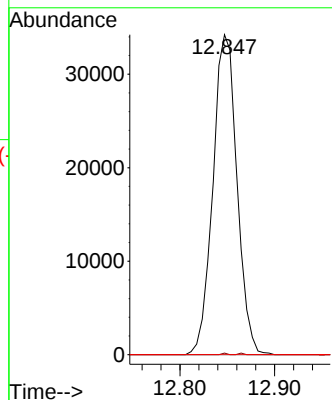
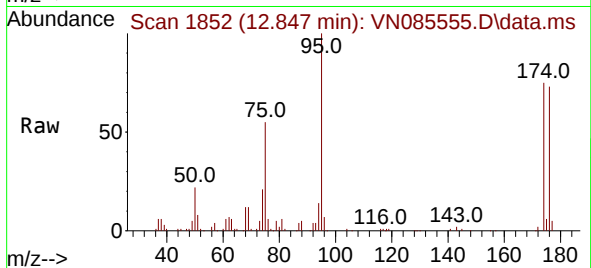




#81
trans-1,4-Dichloro-2-butene
Concen: 88.500 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 60515
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.450 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085555.D
Acq: 29 Jan 2025 14:16

Tgt Ion:128 Resp: 1842
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

