

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085333.D
 Acq On : 27 Dec 2024 18:18
 Operator : JC\MD
 Sample : P5362-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 01:44:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

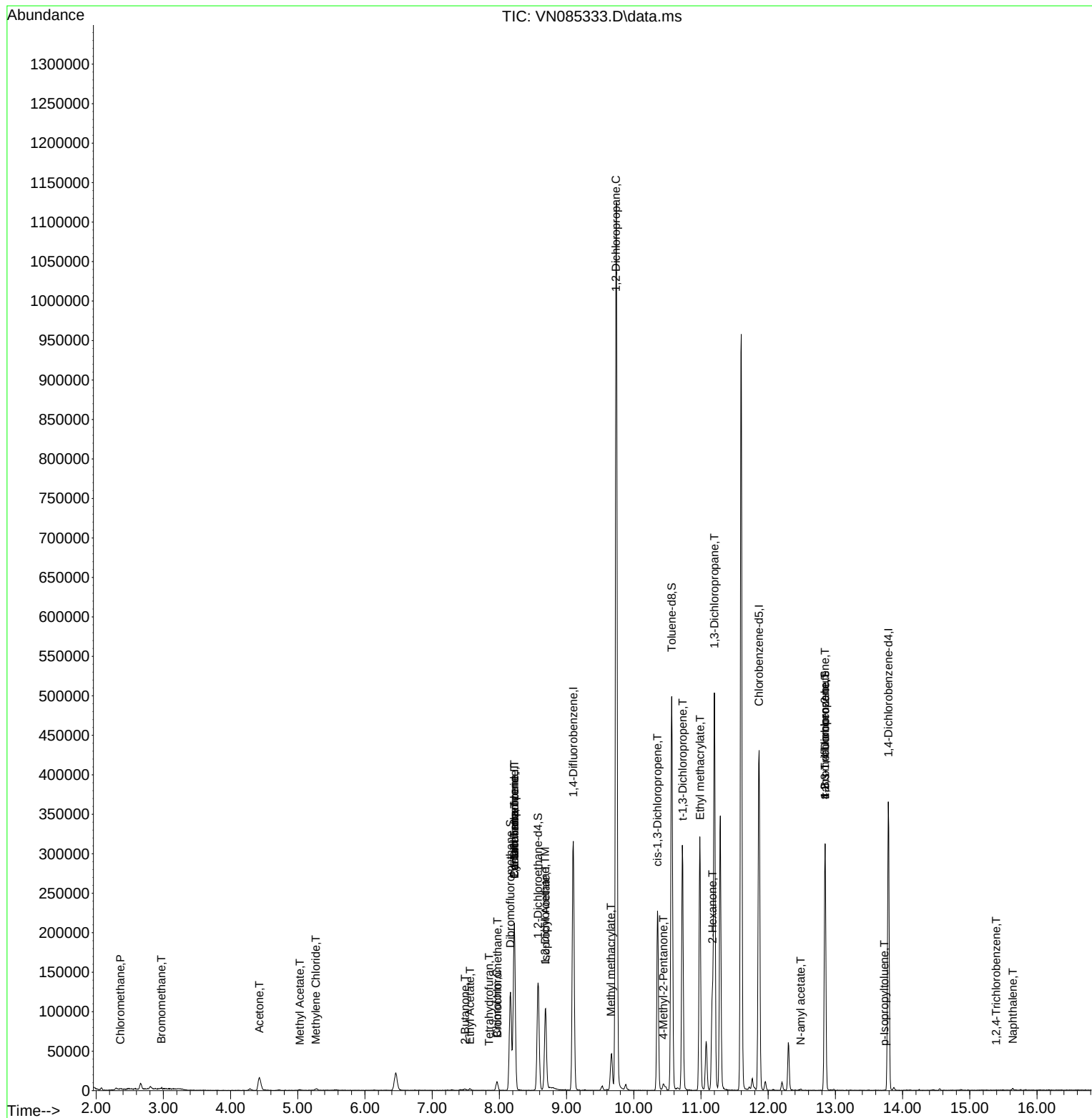
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	141464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113028	56.019	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.040%	
35) Dibromofluoromethane	8.165	113	86752	52.178	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.360%	
50) Toluene-d8	10.565	98	338078	55.413	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.820%	
62) 4-Bromofluorobenzene	12.847	95	105834	52.233	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.460%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	508	0.236	ug/l #	43
5) Bromomethane	2.971	94	662	0.445	ug/l	86
16) Acetone	4.430	43	31709	47.793	ug/l	93
18) Methyl Acetate	5.030	43	1000	0.492	ug/l #	76
20) Methylene Chloride	5.271	84	1184	0.663	ug/l	88
25) 2-Butanone	7.488	43	3091	3.003	ug/l	95
28) Bromochloromethane	7.971	49	834	0.550	ug/l #	98
29) Tetrahydrofuran	7.847	42	245	0.370	ug/l #	33
30) Chloroform	7.965	83	10152	3.038	ug/l	97
31) Cyclohexane	8.224	56	3921	1.315	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	13358	5.487	ug/l #	49
37) Ethyl Acetate	7.565	43	3016	1.246	ug/l #	78
38) Carbon Tetrachloride	8.224	117	16615	6.262	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	557	0.211	ug/l #	76
43) Isopropyl Acetate	8.688	43	120395	30.219	ug/l #	88
45) 1,2-Dichloropropane	9.735	63	1162	0.622	ug/l #	43
48) Methyl methacrylate	9.659	41	3121	1.805	ug/l #	12
51) 4-Methyl-2-Pentanone	10.441	43	9760	4.359	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	771	0.290	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	39257	13.669	ug/l #	68
56) Ethyl methacrylate	10.988	69	1034	0.429	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5168	1.780	ug/l #	43
59) 2-Hexanone	11.171	43	106607	68.630	ug/l #	25
74) N-amyl acetate	12.482	43	1200	0.420	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	57773	33.362	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57773	79.897	ug/l #	10
86) p-Isopropyltoluene	13.729	119	115	0.213	ug/l #	51
93) 1,2,4-Trichlorobenzene	15.394	180	297	0.209	ug/l #	45
95) Naphthalene	15.641	128	2647	0.548	ug/l #	88

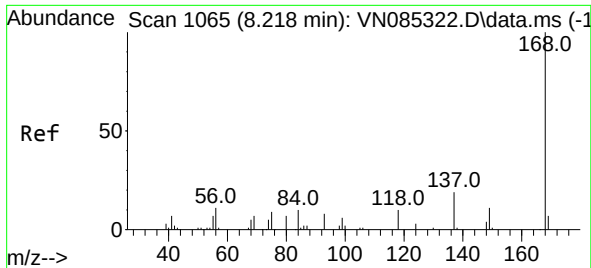
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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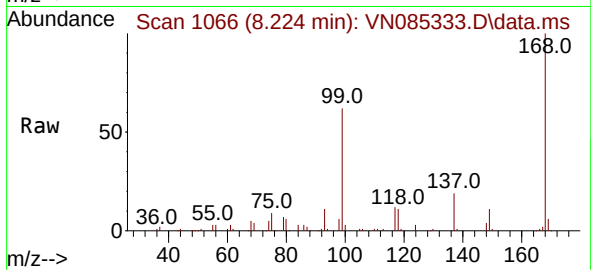
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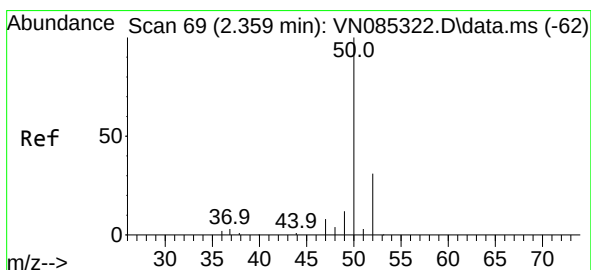
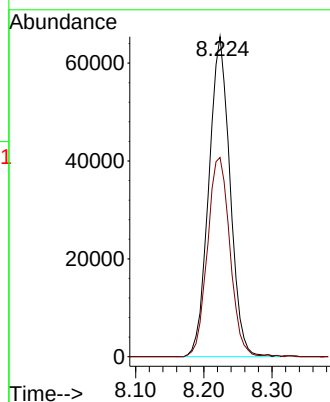
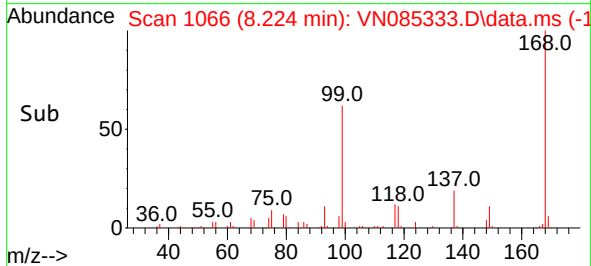


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

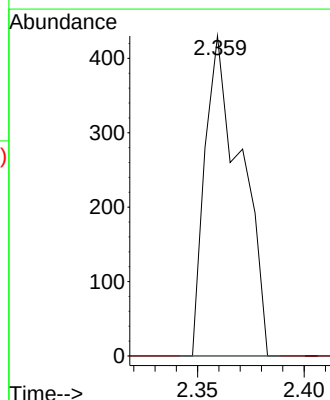
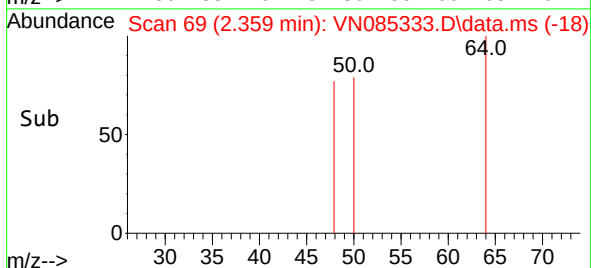
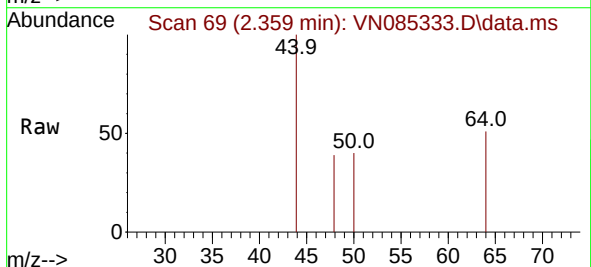


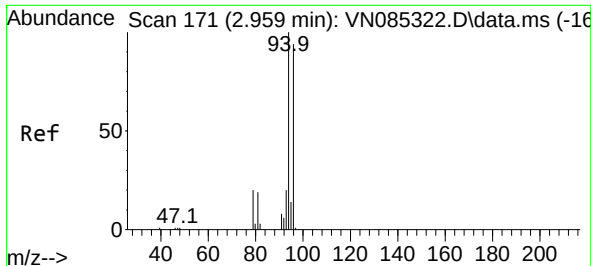
Tgt Ion:168 Resp: 141464
Ion Ratio Lower Upper
168 100
99 62.2 51.0 76.4



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

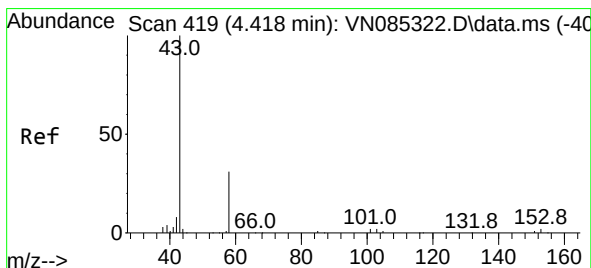
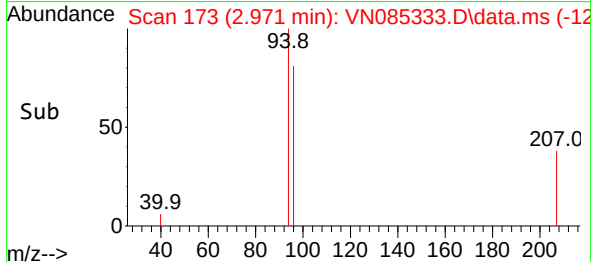
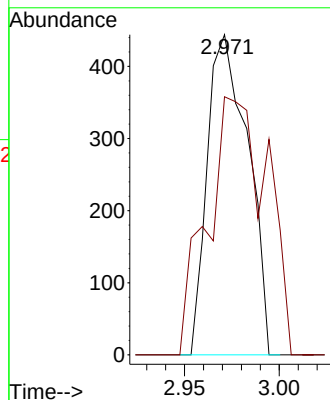
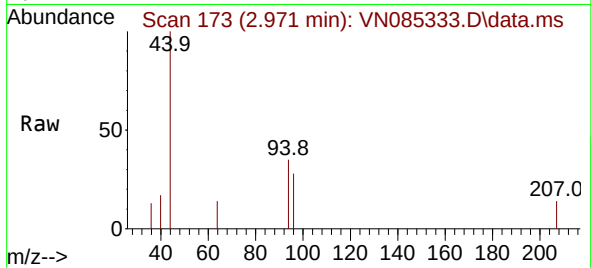




#5
Bromomethane
Concen: 0.445 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

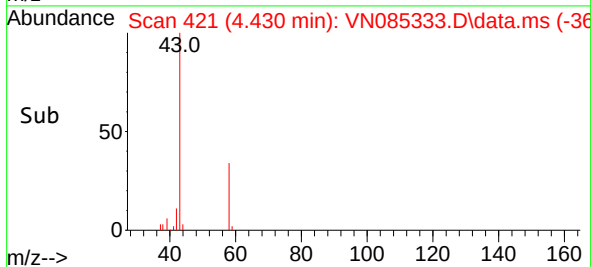
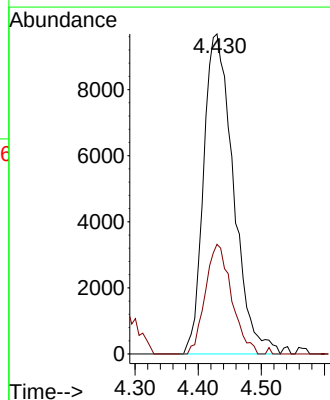
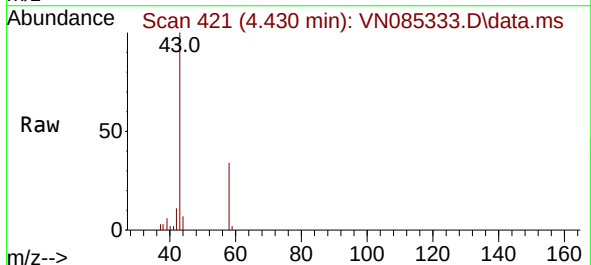
Instrument :
MSVOA_N
ClientSampleId :

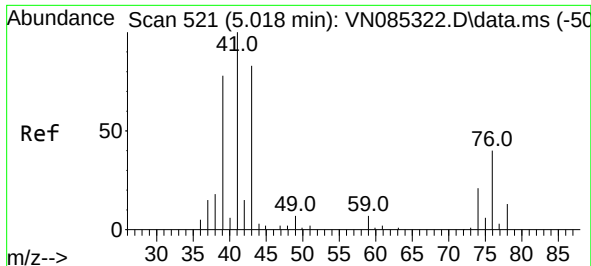
Tgt Ion: 94 Resp: 662
Ion Ratio Lower Upper
94 100
96 80.6 75.2 112.8



#16
Acetone
Concen: 47.793 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 43 Resp: 31709
Ion Ratio Lower Upper
43 100
58 34.3 24.5 36.7

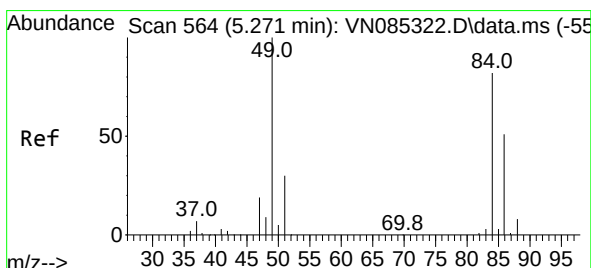
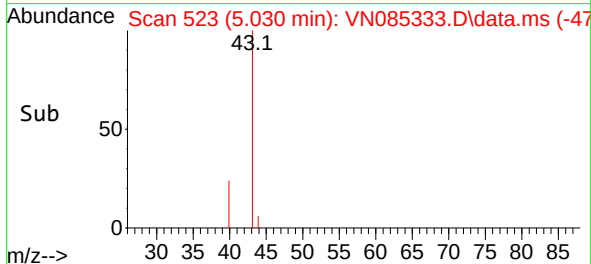
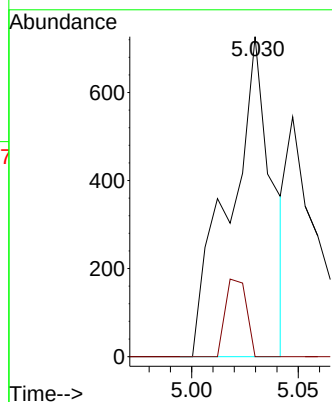
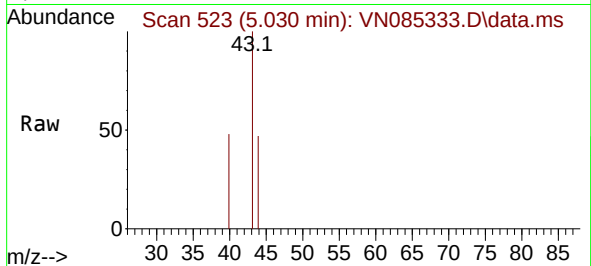




#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

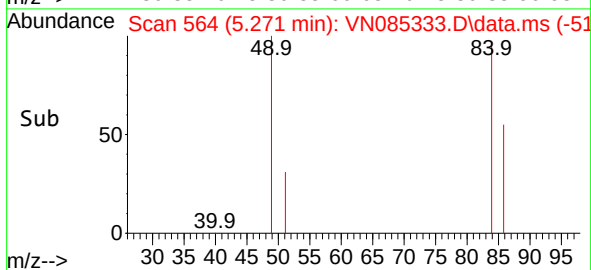
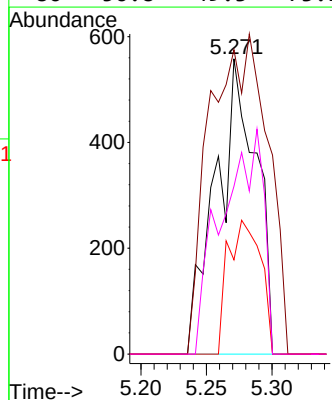
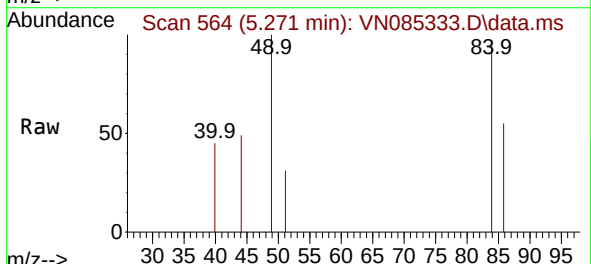
Instrument :
MSVOA_N
ClientSampleId :

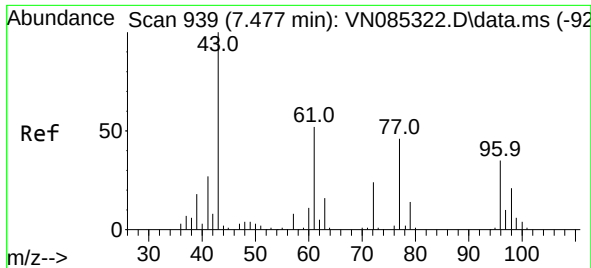
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 12.1 19.0 28.6#



#20
Methylene Chloride
Concen: 0.663 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 84 Resp: 1184
Ion Ratio Lower Upper
84 100
49 103.0 97.6 146.4
51 31.9 29.1 43.7
86 56.8 49.3 73.9

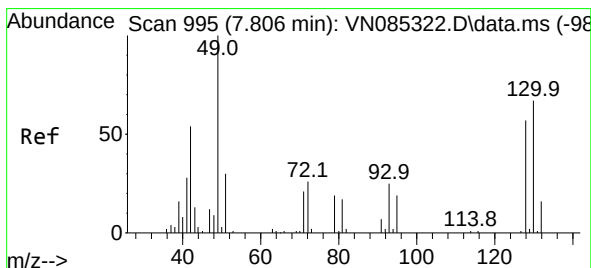
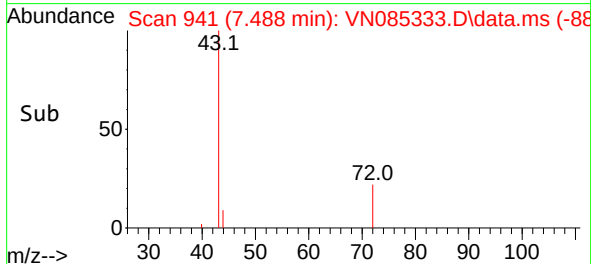
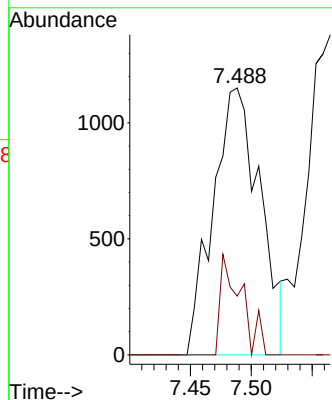
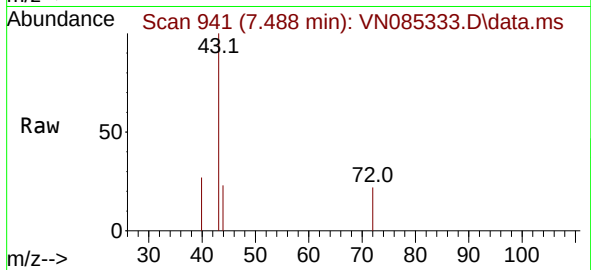




#25
2-Butanone
Concen: 3.003 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

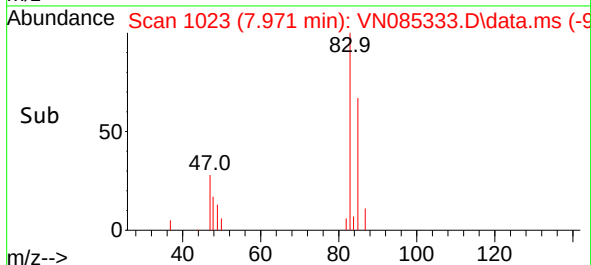
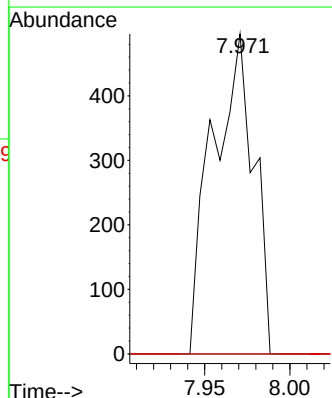
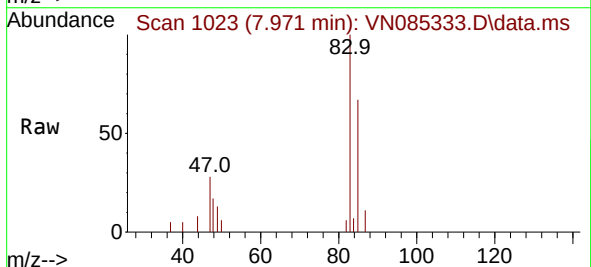
Instrument :
MSVOA_N
ClientSampleId :

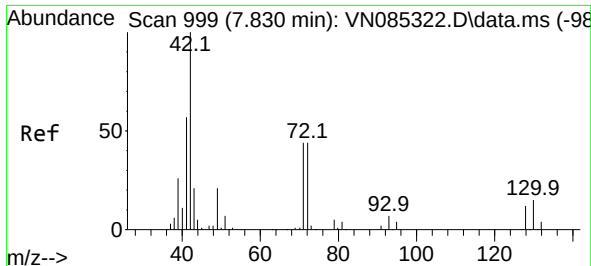
Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
72 22.0 19.6 29.4



#28
Bromochloromethane
Concen: 0.550 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.165 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 49 Resp: 834
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.0
130 0.0 0.0 0.0





#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

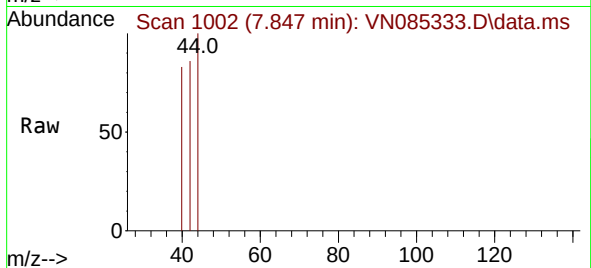
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Acq: 27 Dec 2024 18:18

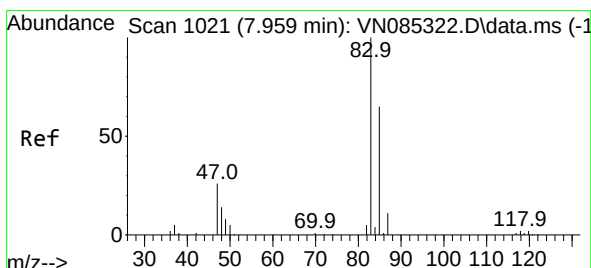
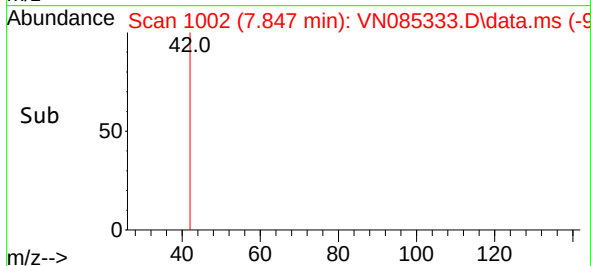
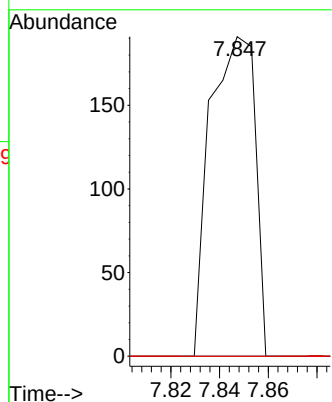
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 245
Ion Ratio	Lower Upper
42	100
72	0.0 35.1 52.7#
71	0.0 33.4 50.0#



#30

Chloroform

Concen: 3.038 ug/l

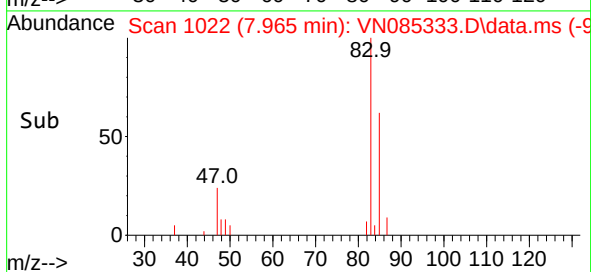
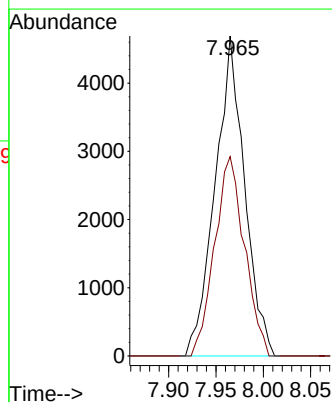
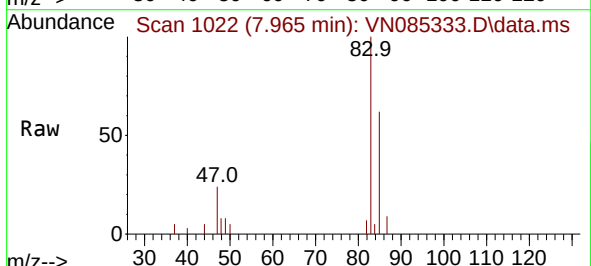
RT: 7.965 min Scan# 1022

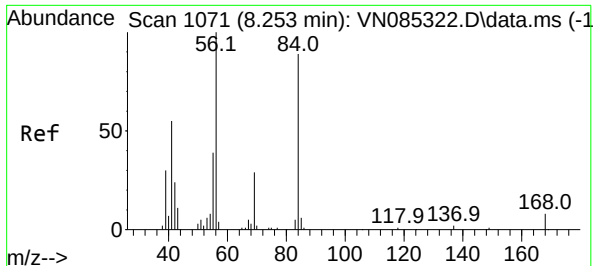
Delta R.T. 0.006 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

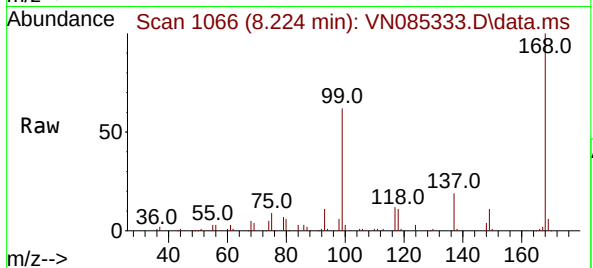
Tgt Ion: 83	Resp: 10152
Ion Ratio	Lower Upper
83	100
85	62.3 52.0 78.0



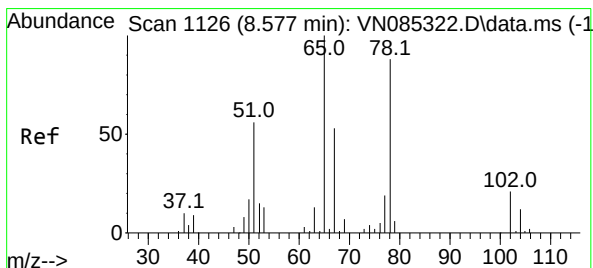
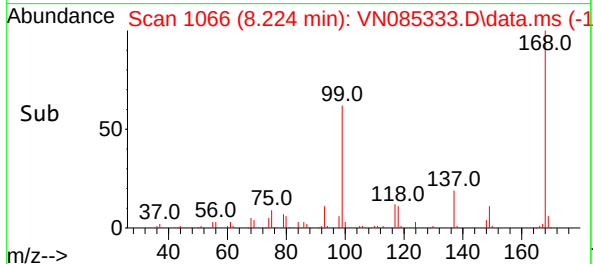
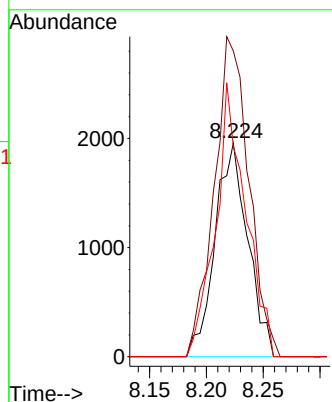


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

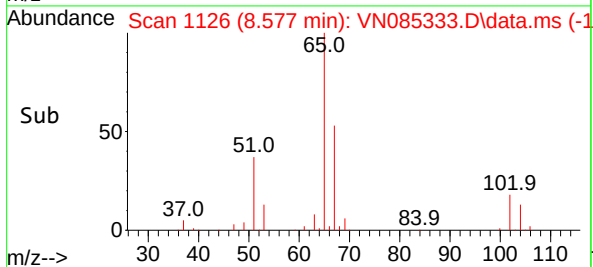
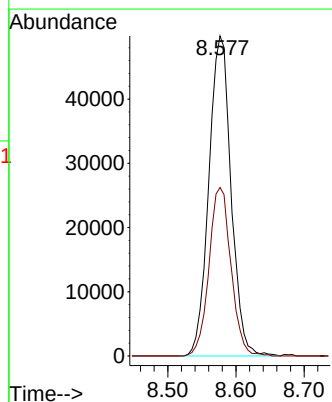
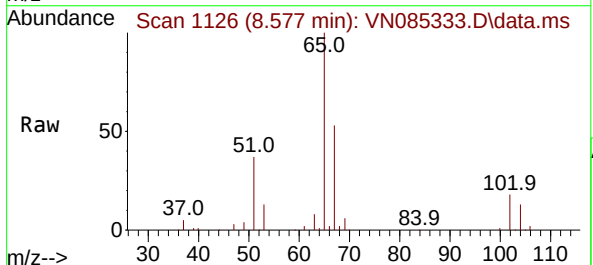


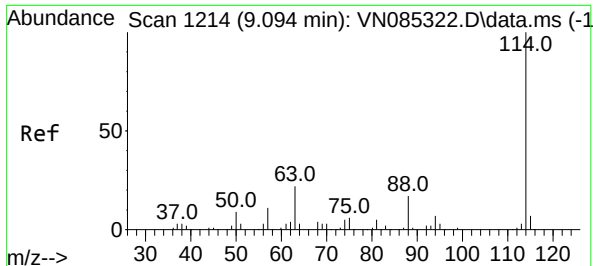
Tgt Ion: 56 Resp: 3921
Ion Ratio Lower Upper
56 100
69 143.2 23.4 35.0#
84 98.4 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 56.019 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 65 Resp: 113028
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

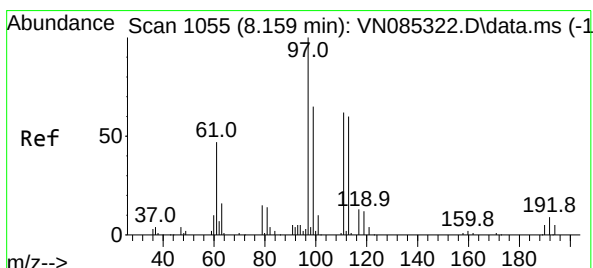
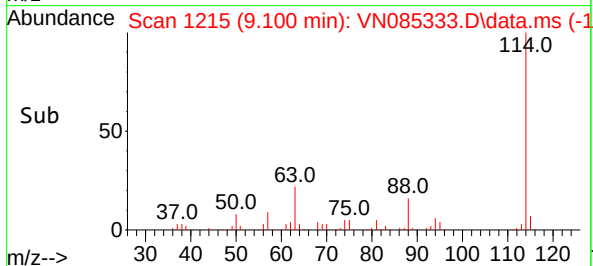
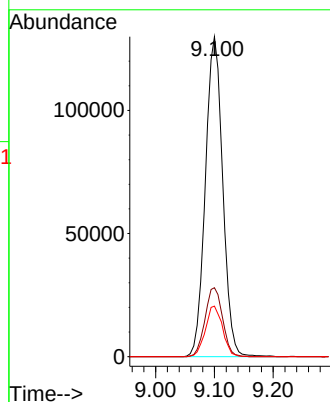
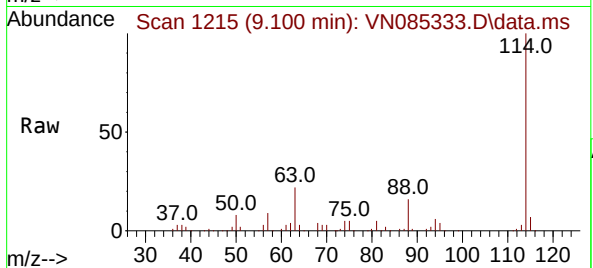
Tgt Ion:114 Resp: 266505

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 15.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.178 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

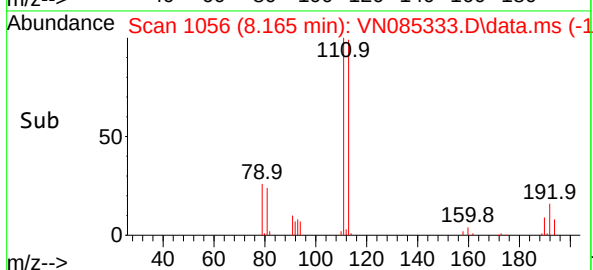
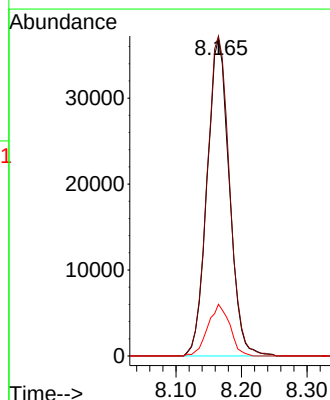
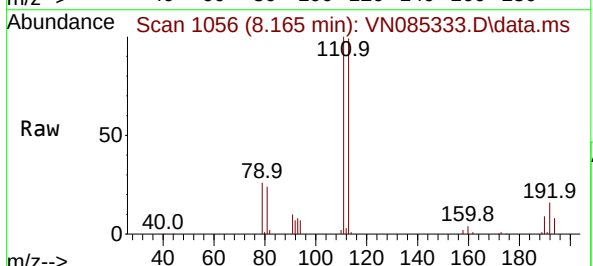
Tgt Ion:113 Resp: 86752

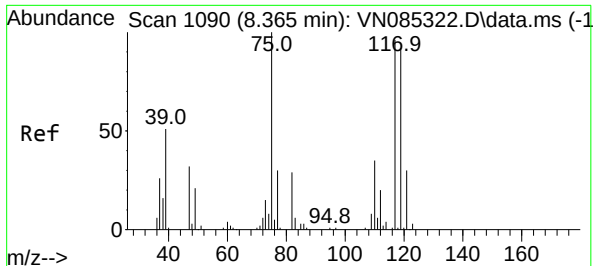
Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

192 16.2 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.487 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

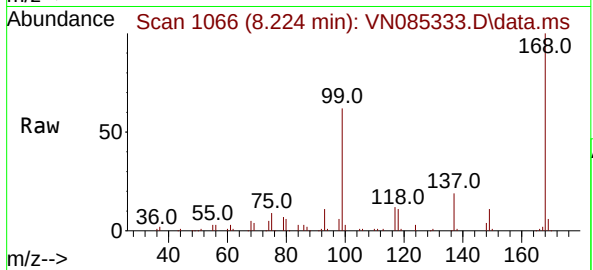
Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :



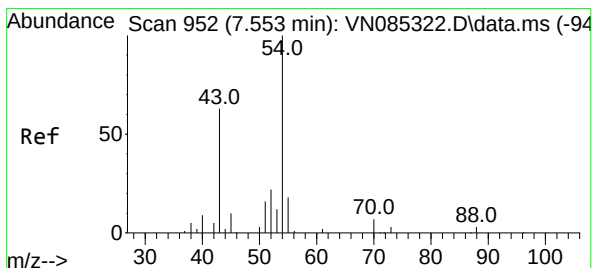
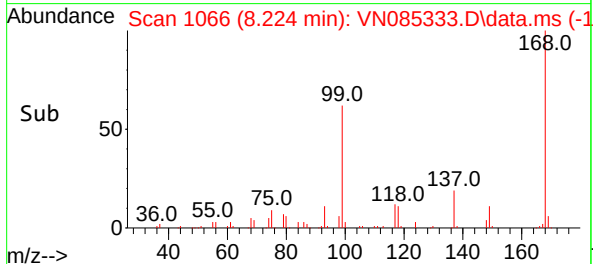
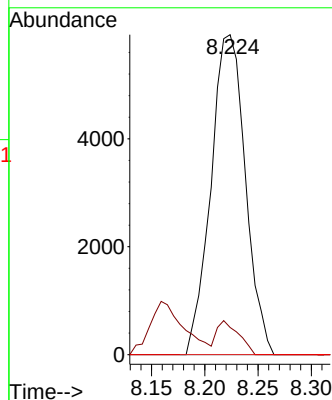
Tgt Ion: 75 Resp: 13358

Ion Ratio Lower Upper

75 100

110 6.7 16.6 49.8#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 1.246 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

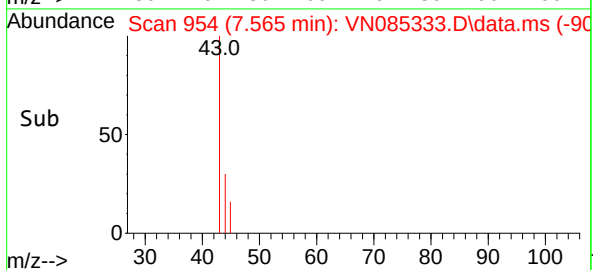
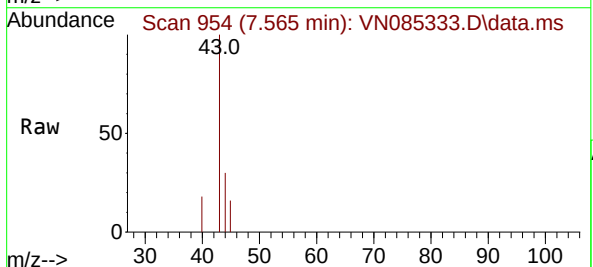
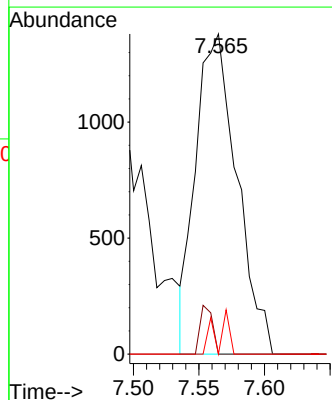
Tgt Ion: 43 Resp: 3016

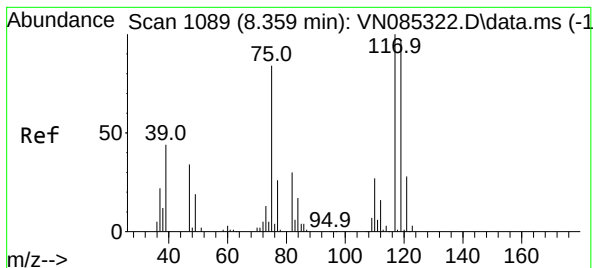
Ion Ratio Lower Upper

43 100

61 4.5 10.4 15.6#

70 1.8 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 6.262 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

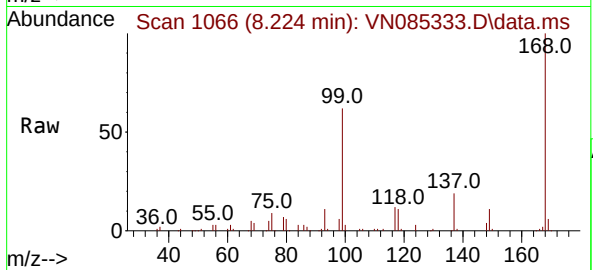
Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :



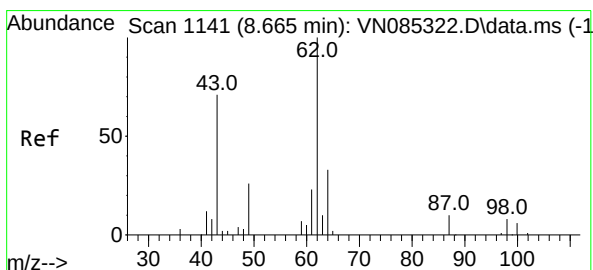
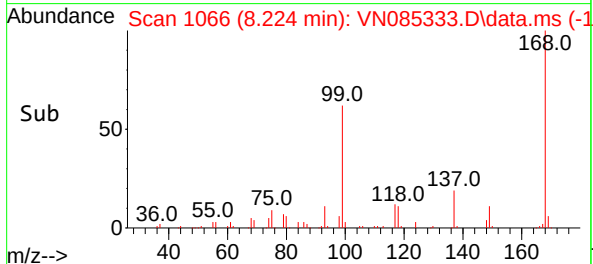
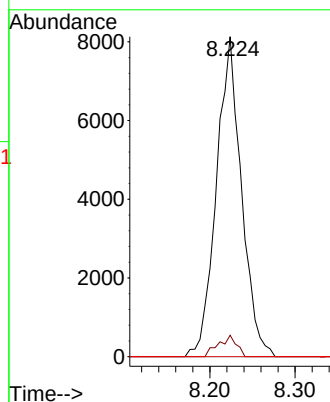
Tgt Ion:117 Resp: 16615

Ion Ratio Lower Upper

117 100

119 6.7 77.8 116.6#

121 0.0 22.5 33.7#



#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085333.D

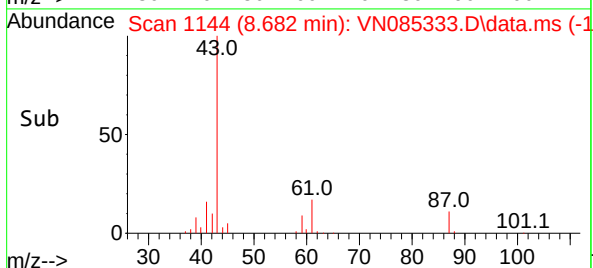
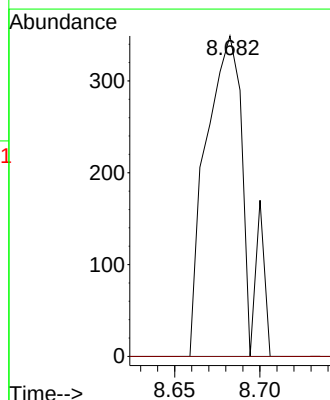
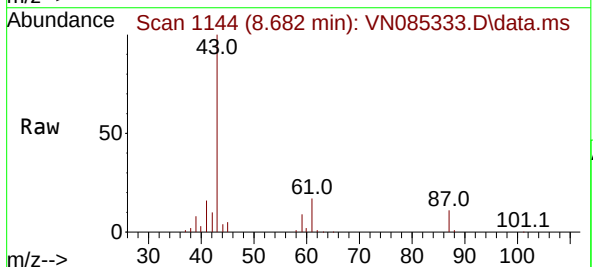
Acq: 27 Dec 2024 18:18

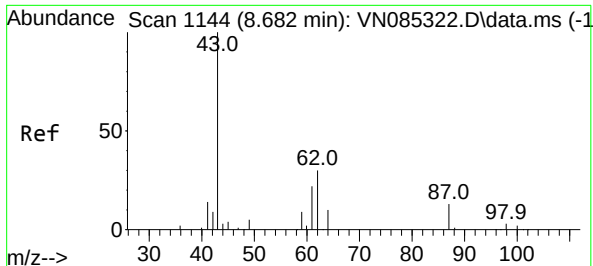
Tgt Ion: 62 Resp: 557

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6

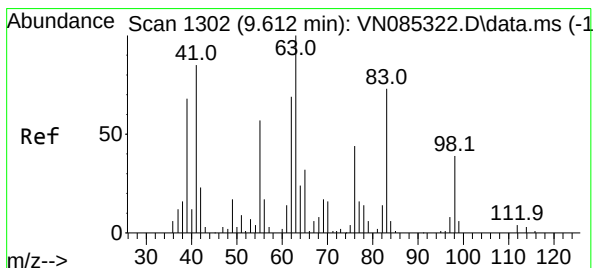
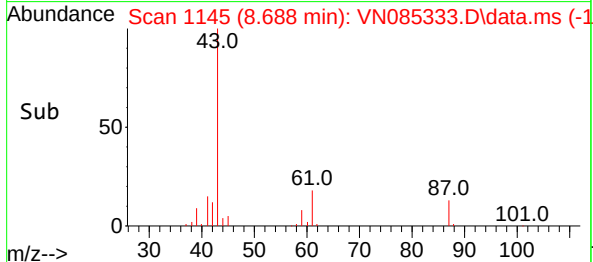
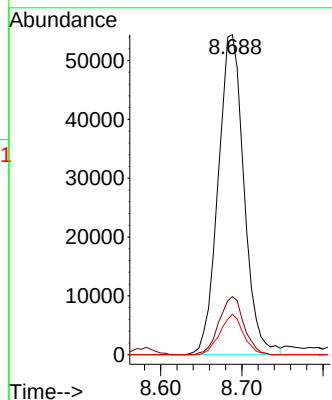
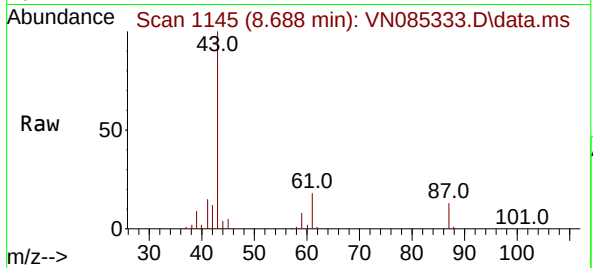




#43
Isopropyl Acetate
Concen: 30.219 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

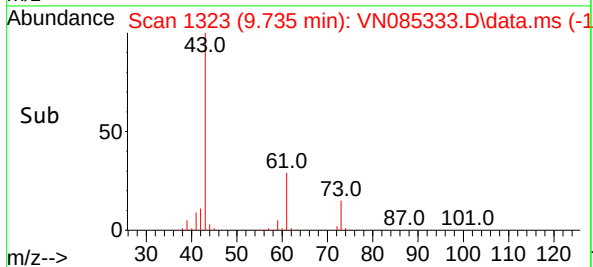
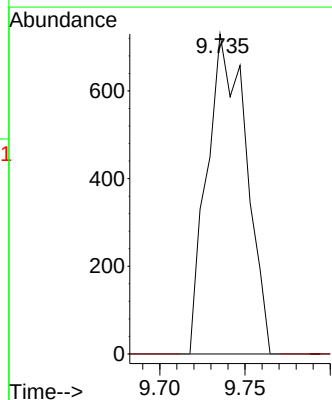
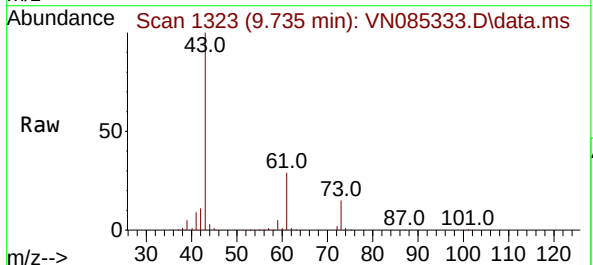
Instrument :
MSVOA_N
ClientSampleId :

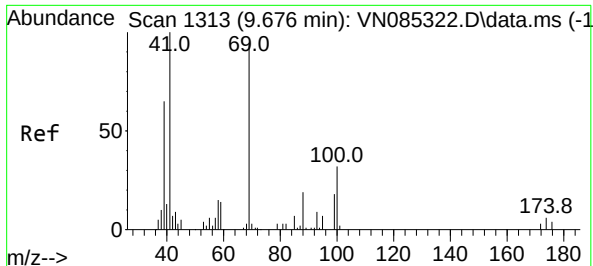
Tgt Ion: 43 Resp: 120395
Ion Ratio Lower Upper
43 100
61 17.4 20.8 31.2#
87 11.4 10.2 15.4



#45
1,2-Dichloropropane
Concen: 0.622 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.124 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 63 Resp: 1162
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#

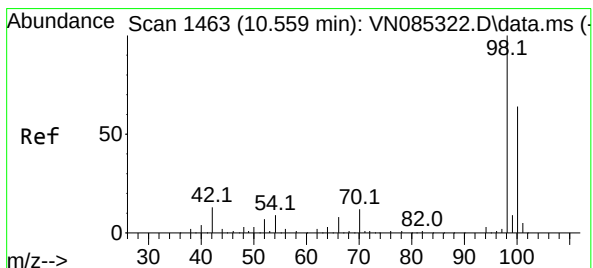
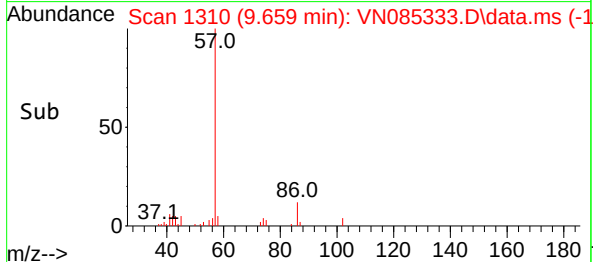
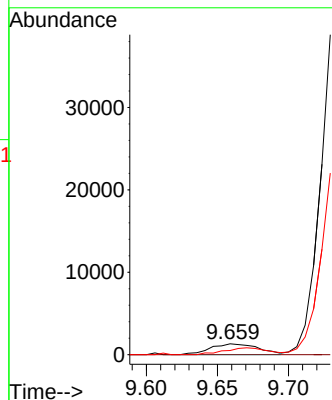
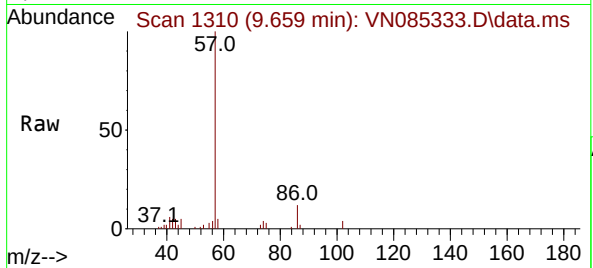




#48
Methyl methacrylate
Concen: 1.805 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

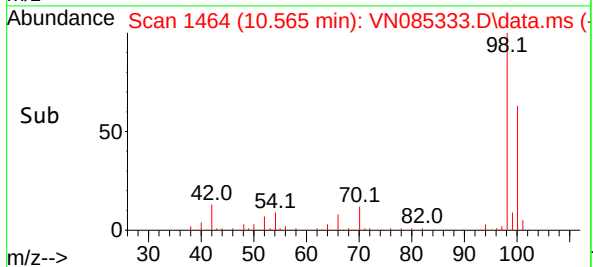
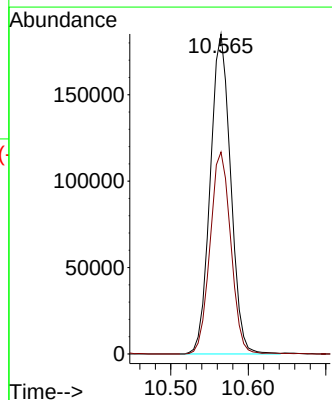
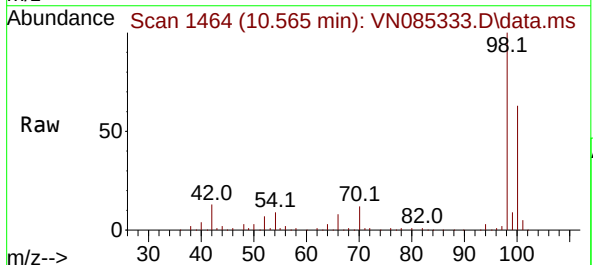
Instrument :
MSVOA_N
ClientSampleId :

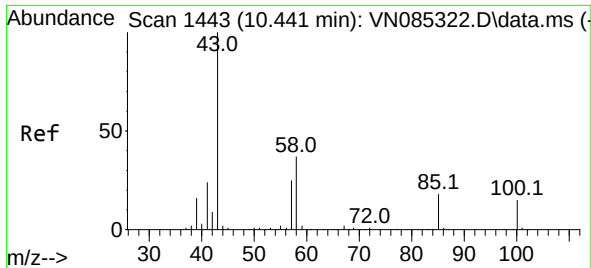
Tgt Ion: 41 Resp: 3121
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 0.0 51.2 76.8#



#50
Toluene-d8
Concen: 55.413 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 98 Resp: 338078
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

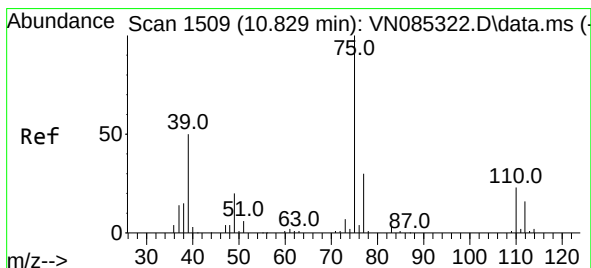
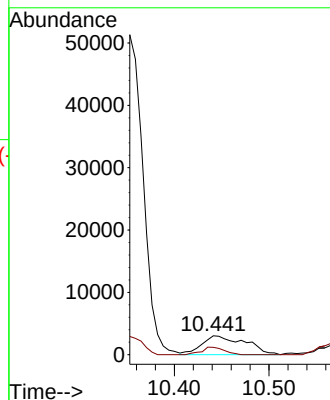
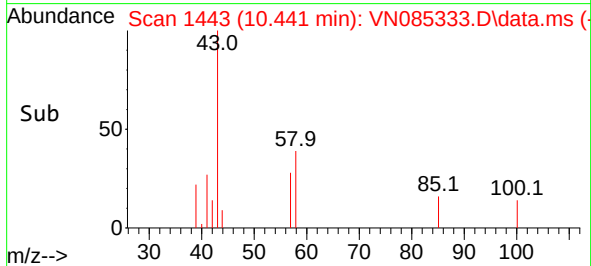
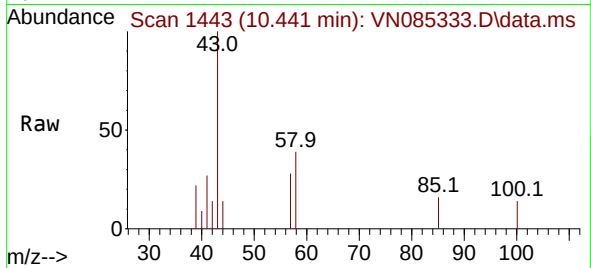




#51
4-Methyl-2-Pentanone
Concen: 4.359 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

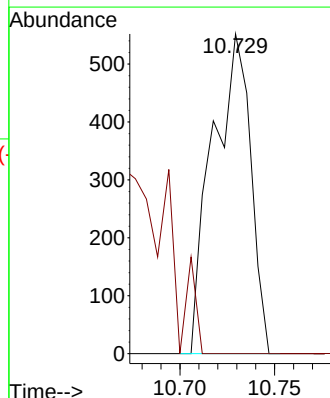
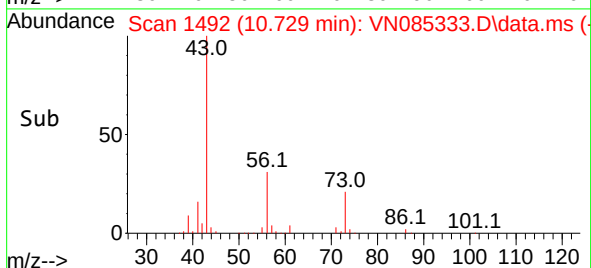
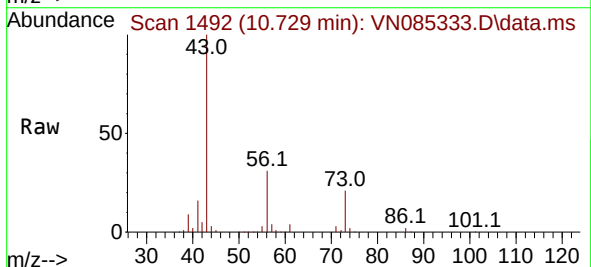
Instrument :
MSVOA_N
ClientSampleId :

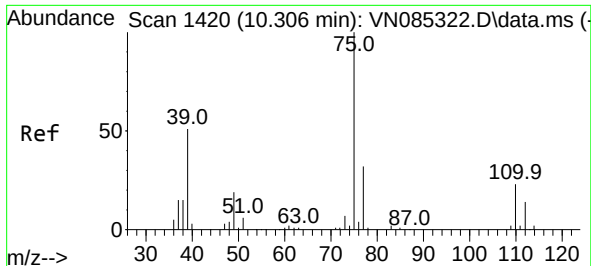
Tgt Ion: 43 Resp: 9760
Ion Ratio Lower Upper
43 100
58 20.5 30.3 45.5#



#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.100 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Tgt Ion: 75 Resp: 771
Ion Ratio Lower Upper
75 100
77 0.0 23.8 35.6#

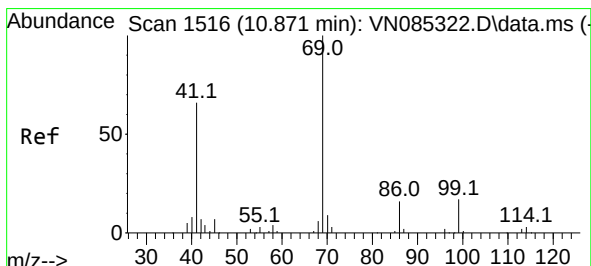
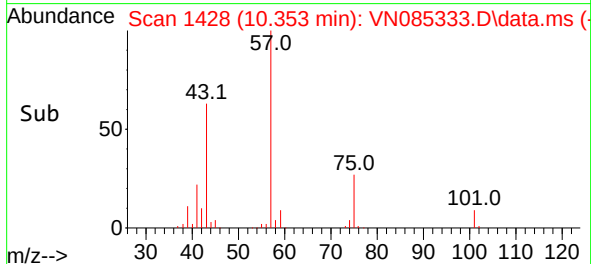
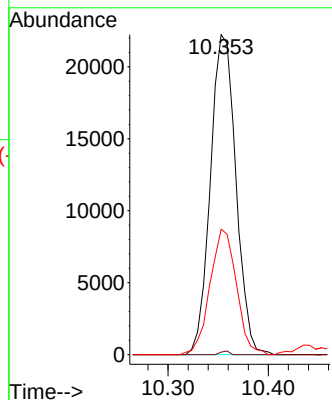
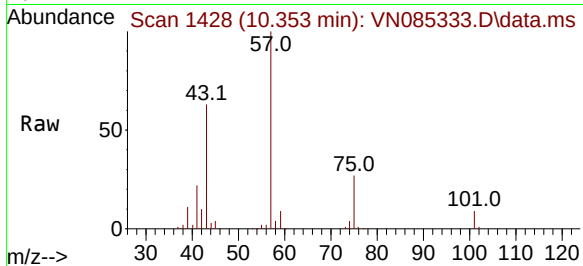




#54
 cis-1,3-Dichloropropene
 Concen: 13.669 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085333.D
 Acq: 27 Dec 2024 18:18

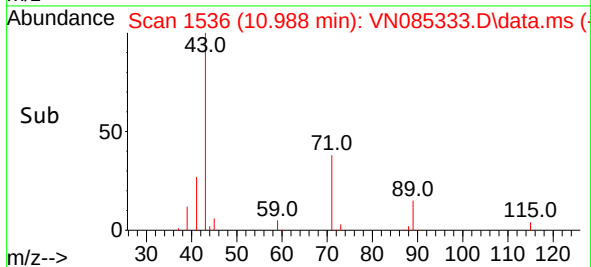
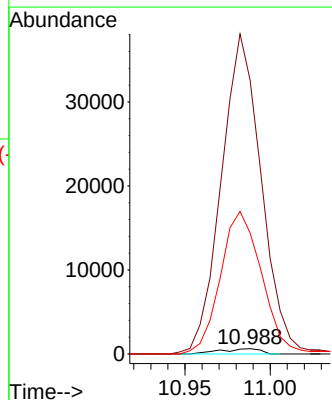
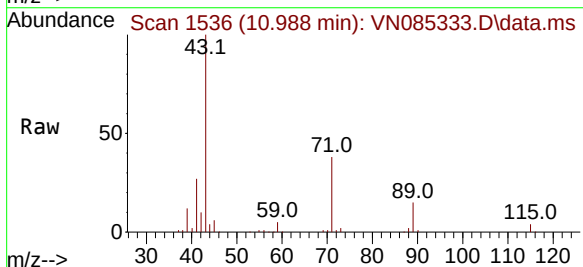
Instrument :
 MSVOA_N
 ClientSampleId :

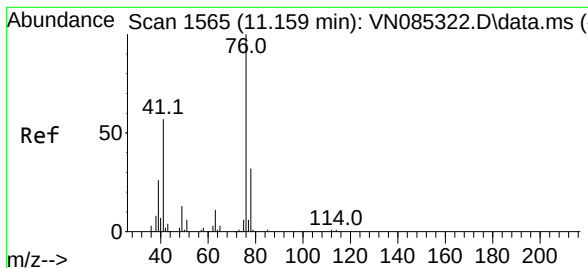
Tgt Ion: 75 Resp: 39257
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.5 38.3#
 39 39.2 40.5 60.7#



#56
 Ethyl methacrylate
 Concen: 0.429 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN085333.D
 Acq: 27 Dec 2024 18:18

Tgt Ion: 69 Resp: 1034
 Ion Ratio Lower Upper
 69 100
 41 6040.0 54.3 81.5#
 39 2779.7 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.780 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

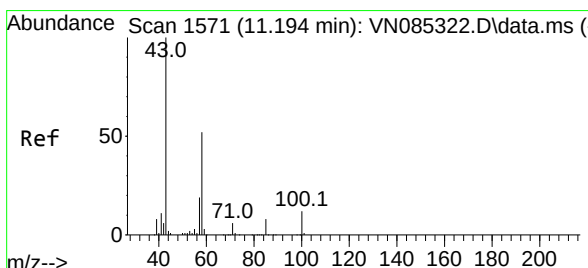
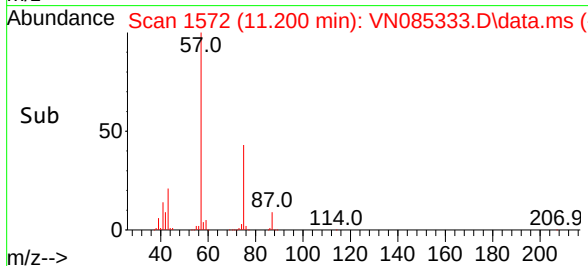
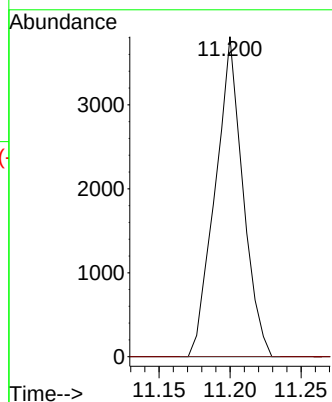
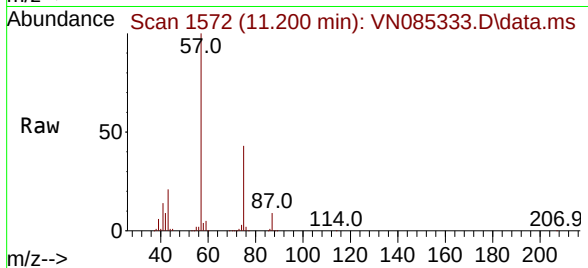
ClientSampleId :

Tgt Ion: 76 Resp: 5168

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 68.630 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN085333.D

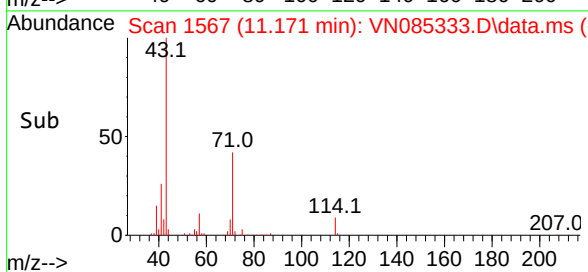
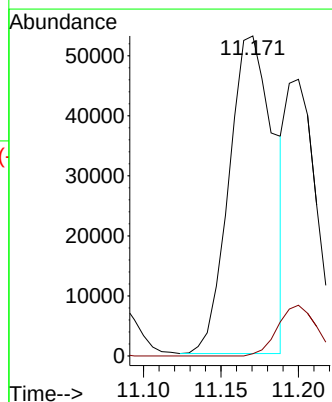
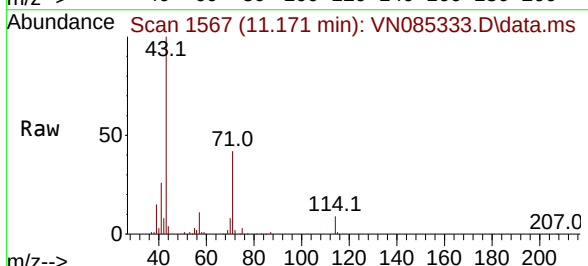
Acq: 27 Dec 2024 18:18

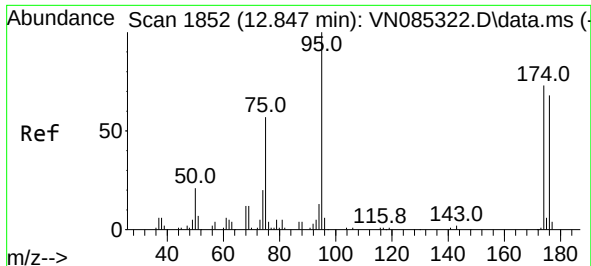
Tgt Ion: 43 Resp: 106607

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 52.233 ug/l

RT: 12.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

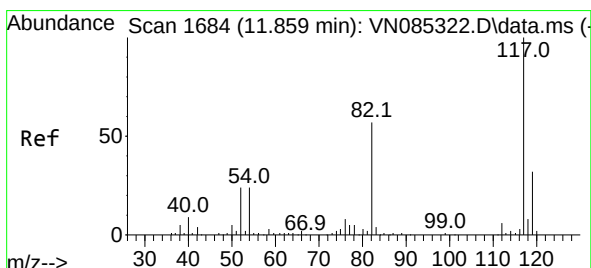
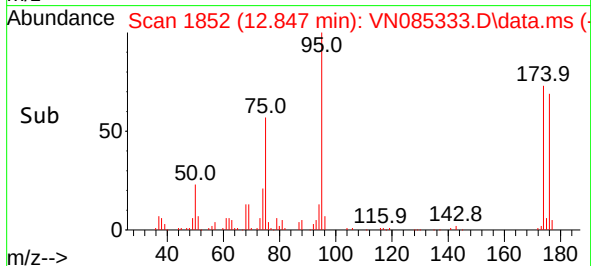
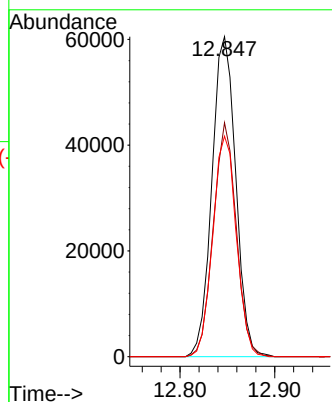
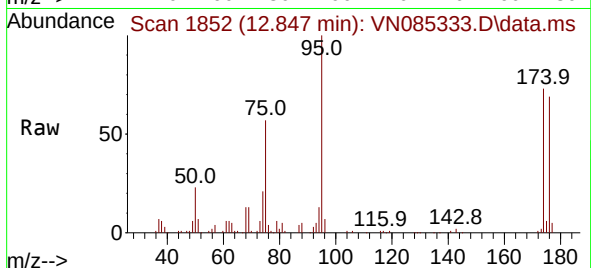
Tgt Ion: 95 Resp: 105834

Ion Ratio Lower Upper

95 100

174 70.3 0.0 143.2

176 68.4 0.0 135.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

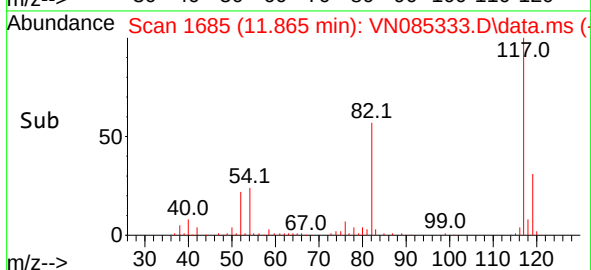
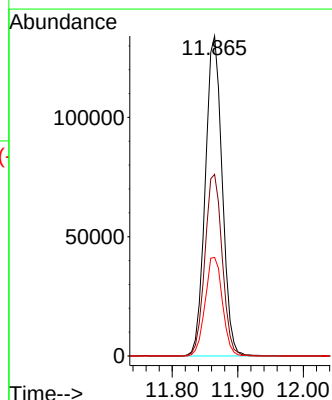
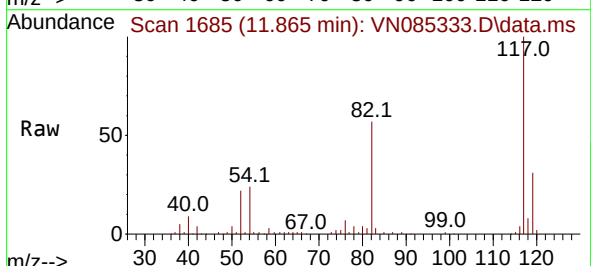
Tgt Ion: 117 Resp: 240153

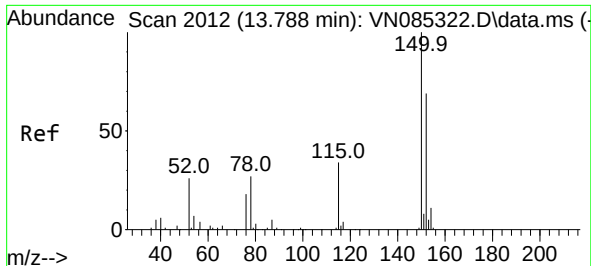
Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

119 30.8 25.8 38.8

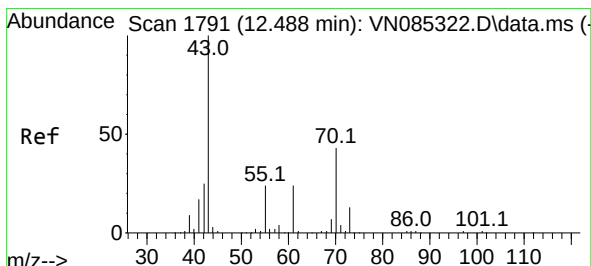
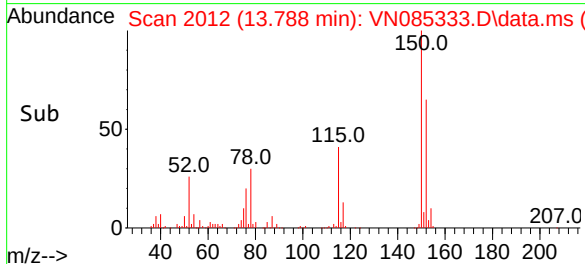
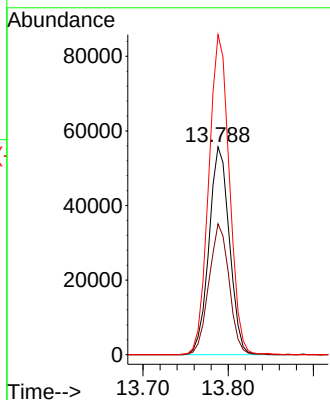
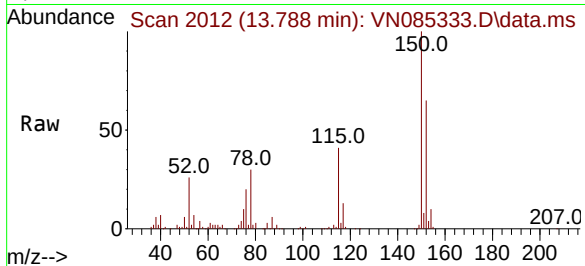




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085333.D
 Acq: 27 Dec 2024 18:18

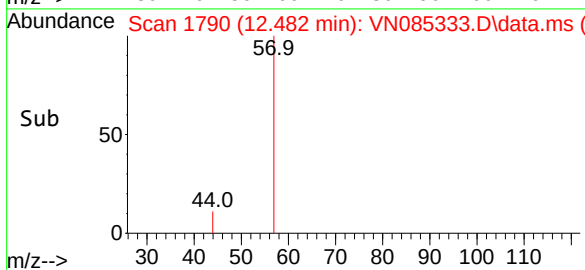
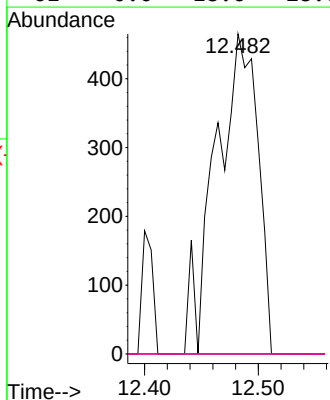
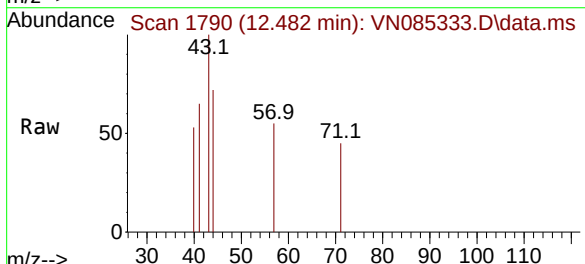
Instrument :
 MSVOA_N
 ClientSampleId :

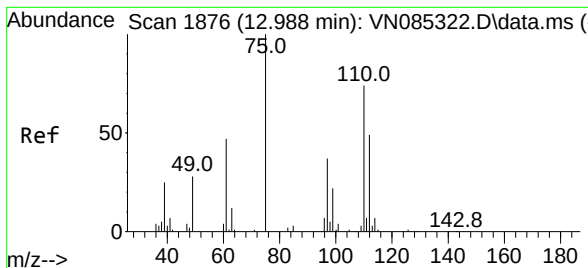
Tgt Ion:152 Resp: 92734
 Ion Ratio Lower Upper
 152 100
 115 62.4 30.4 91.3
 150 155.8 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.420 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085333.D
 Acq: 27 Dec 2024 18:18

Tgt Ion: 43 Resp: 1200
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.4 50.0#
 55 0.0 19.2 28.8#
 61 0.0 18.6 28.0#





#76

1,2,3-Trichloropropane

Concen: 33.362 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

Instrument :

MSVOA_N

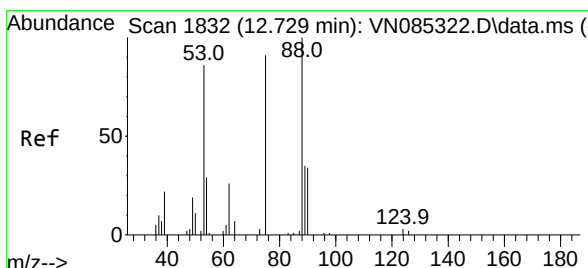
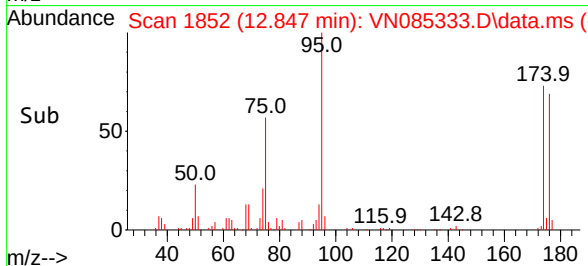
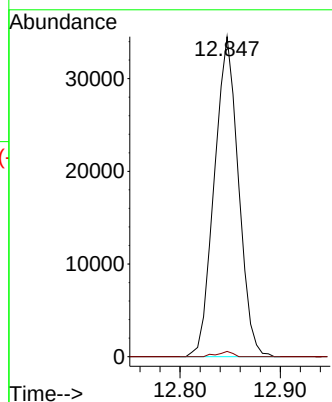
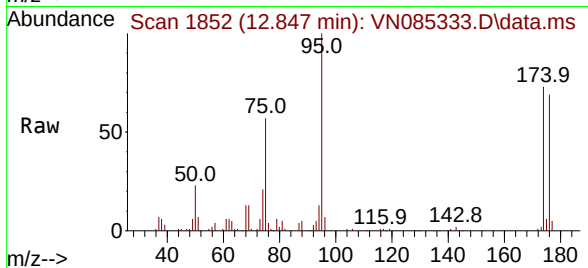
ClientSampleId :

Tgt Ion: 75 Resp: 57773

Ion Ratio Lower Upper

75 100

77 1.1 98.1 294.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.897 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.118 min

Lab File: VN085333.D

Acq: 27 Dec 2024 18:18

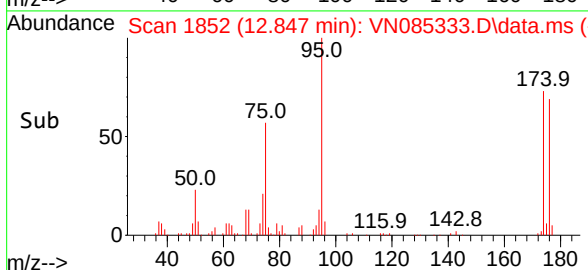
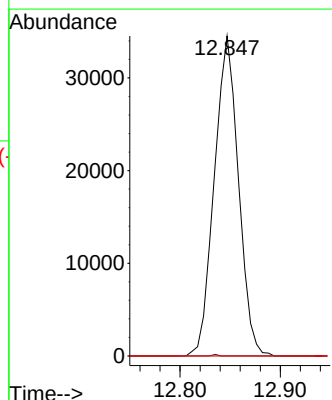
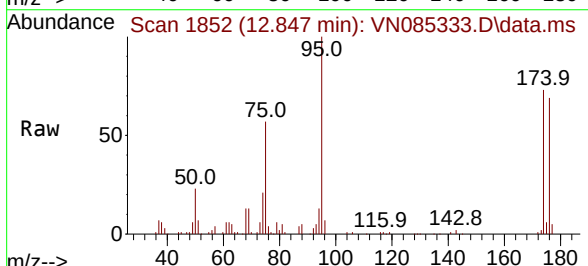
Tgt Ion: 75 Resp: 57773

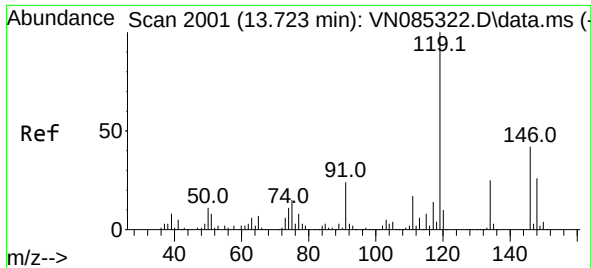
Ion Ratio Lower Upper

75 100

53 0.1 80.0 120.0#

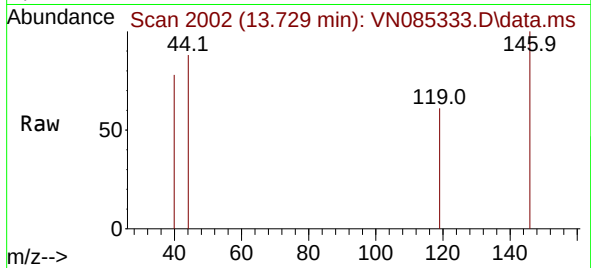
89 0.0 35.8 53.8#



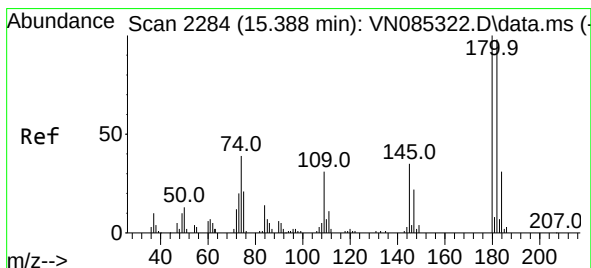
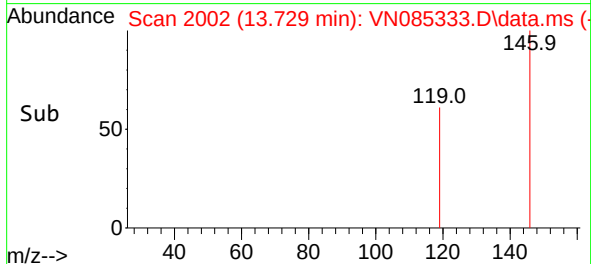
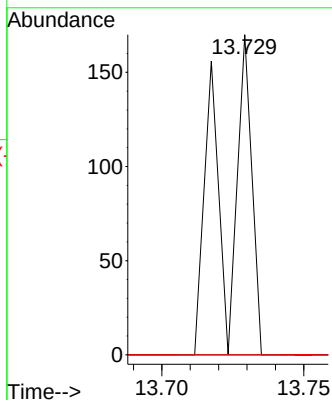


#86
p-Isopropyltoluene
Concen: 0.213 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

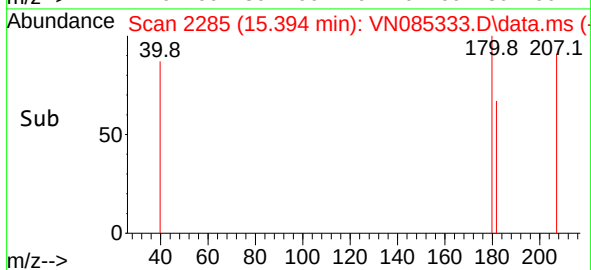
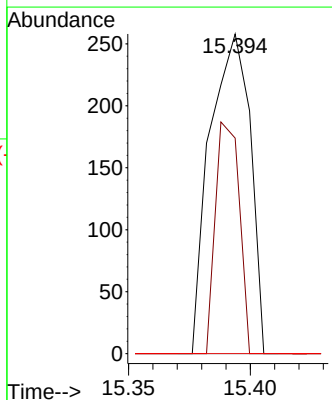
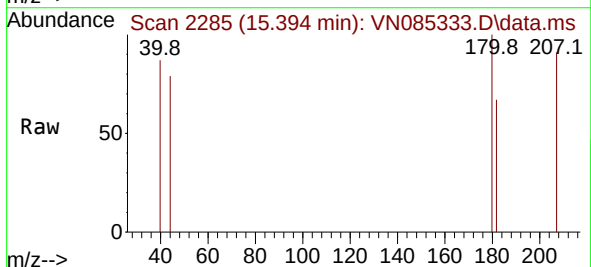


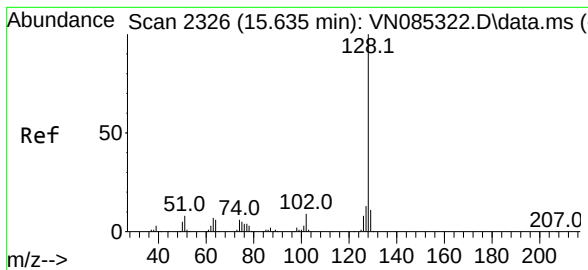
Tgt Ion:119 Resp: 115
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 0.0 12.2 36.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.209 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

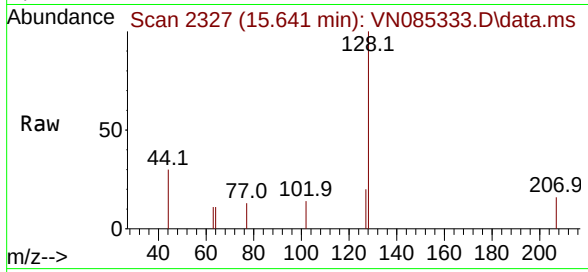
Tgt Ion:180 Resp: 297
Ion Ratio Lower Upper
180 100
182 42.8 47.2 141.6#
145 0.0 16.6 49.8#





#95
Naphthalene
Concen: 0.548 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085333.D
Acq: 27 Dec 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2647
Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.6	16.0#
129	4.6	8.5	12.7#

