

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086305.D
 Acq On : 16 Apr 2025 18:27
 Operator : JC\MD
 Sample : Q1791-14 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:08:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

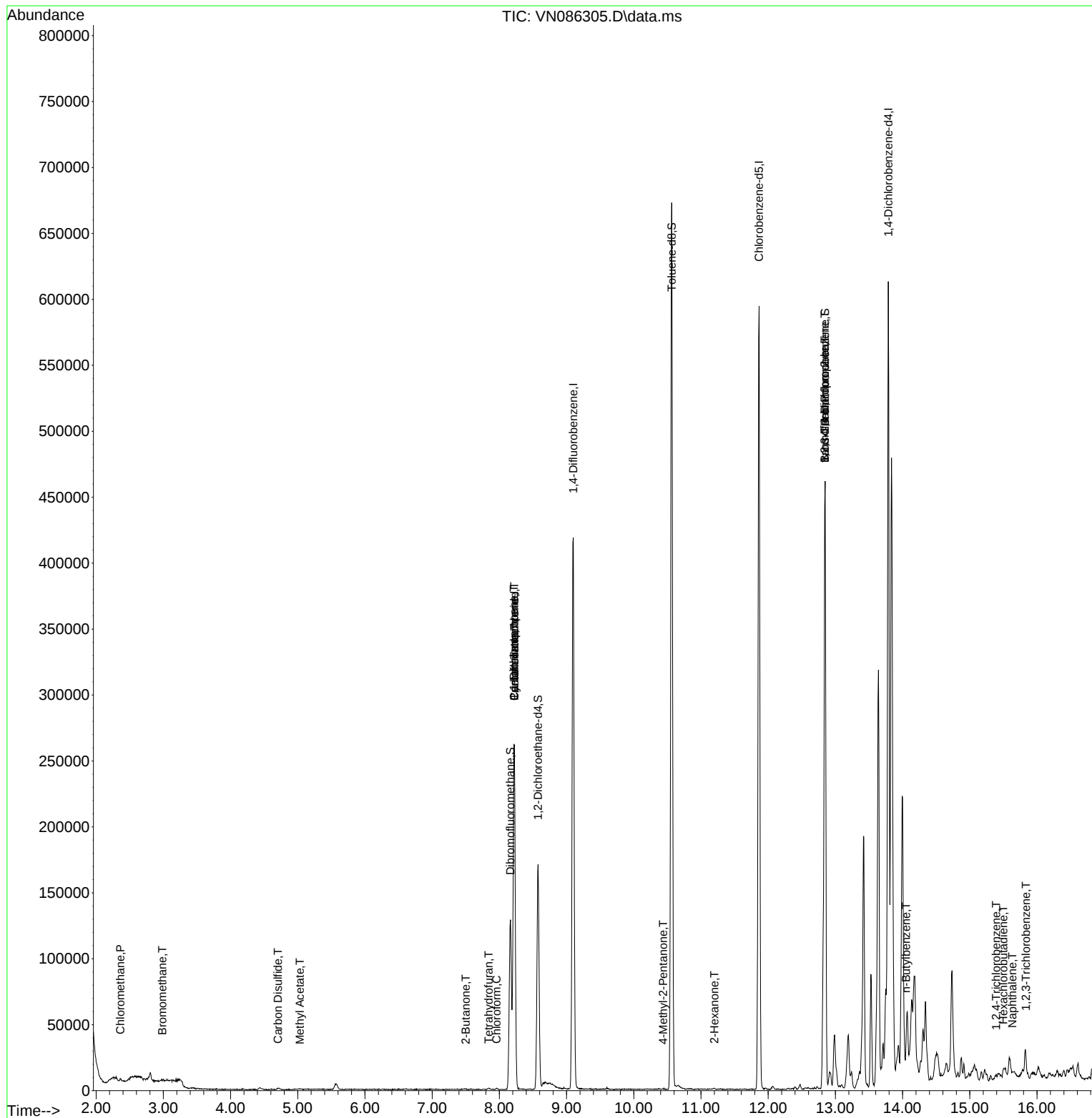
Internal Standards						
1) Pentafluorobenzene	8.224	168	194470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	345691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139233	49.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.740%		
35) Dibromofluoromethane	8.165	113	96224	55.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.100%		
50) Toluene-d8	10.565	98	473194	50.652	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.847	95	174137	51.105	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.220%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1488	0.444	ug/l #	88
5) Bromomethane	2.983	94	679	0.472	ug/l #	67
13) Acrolein	4.189	56	325	Below Cal		84
16) Acetone	4.436	43	3624	Below Cal	#	84
17) Carbon Disulfide	4.706	76	2839	0.414	ug/l #	74
18) Methyl Acetate	5.030	43	1402	0.414	ug/l #	51
25) 2-Butanone	7.500	43	729	0.415	ug/l #	48
29) Tetrahydrofuran	7.841	42	680	0.579	ug/l #	32
30) Chloroform	7.959	83	1002	0.218	ug/l #	81
31) Cyclohexane	8.224	56	5080	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15968	4.574	ug/l #	48
38) Carbon Tetrachloride	8.224	117	20252	6.091	ug/l #	14
43) Isopropyl Acetate	8.688	43	8520	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.435	43	945	0.251	ug/l #	35
59) 2-Hexanone	11.200	43	1331	0.477	ug/l #	29
71) Bromoform	12.841	173	565	0.295	ug/l #	1
76) 1,2,3-Trichloropropane	12.841	75	86689	24.334	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	86689	58.441	ug/l #	10
89) n-Butylbenzene	14.053	91	2629	0.296	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	906	0.379	ug/l	89
94) Hexachlorobutadiene	15.500	225	626	0.694	ug/l	67
95) Naphthalene	15.635	128	5776	0.682	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	1331	0.589	ug/l	78

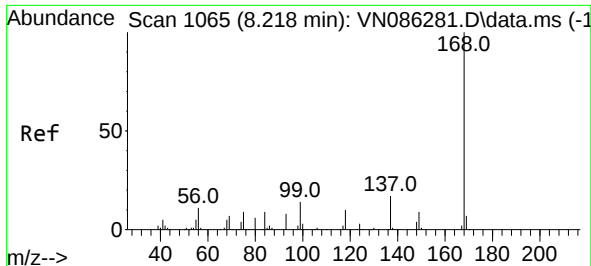
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
Data File : VN086305.D
Acq On : 16 Apr 2025 18:27
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

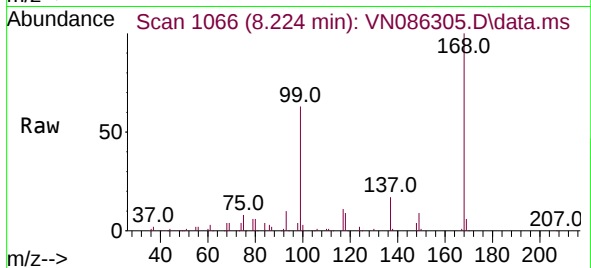
Quant Time: Apr 17 03:08:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



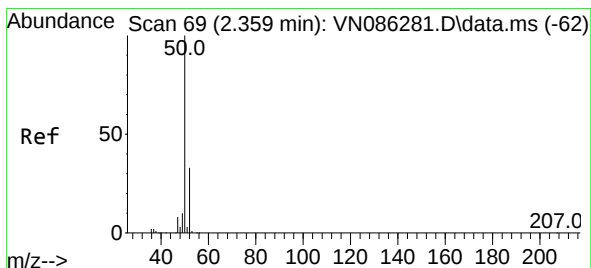
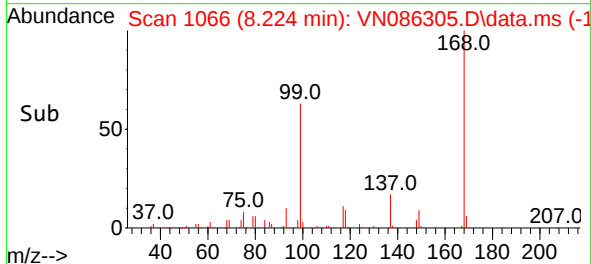
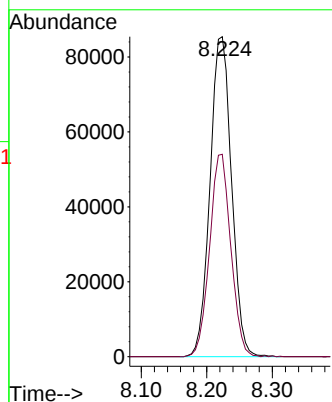


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Instrument :
MSVOA_N
ClientSampleId :

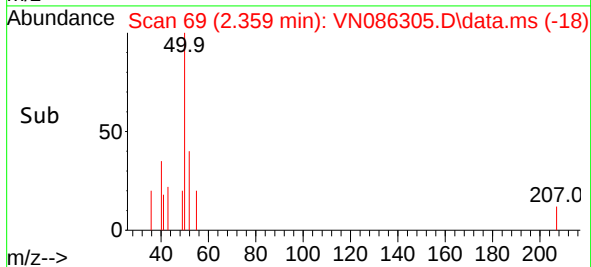
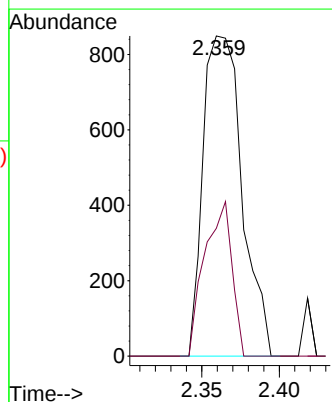
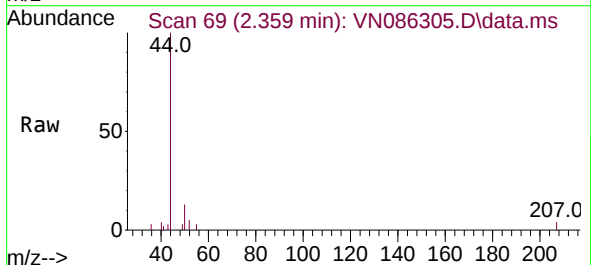


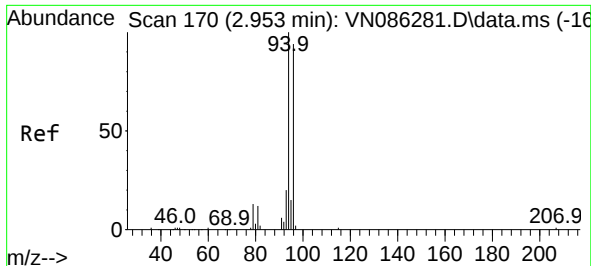
Tgt Ion:168 Resp: 194470
Ion Ratio Lower Upper
168 100
99 63.3 52.5 78.7



#3
Chloromethane
Concen: 0.444 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 50 Resp: 1488
Ion Ratio Lower Upper
50 100
52 39.9 26.5 39.7#

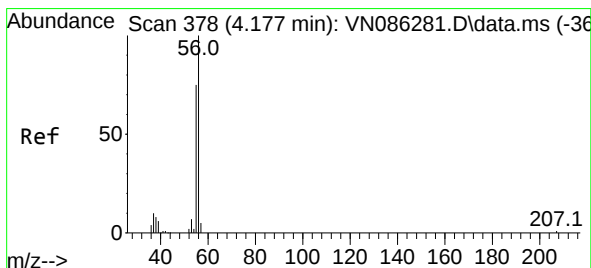
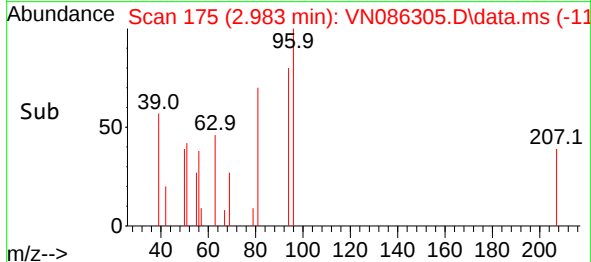
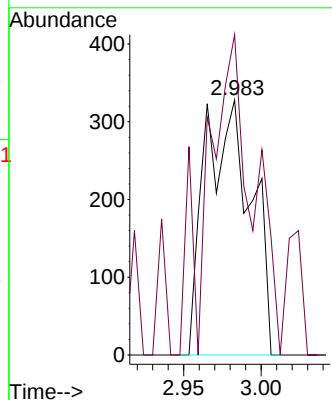
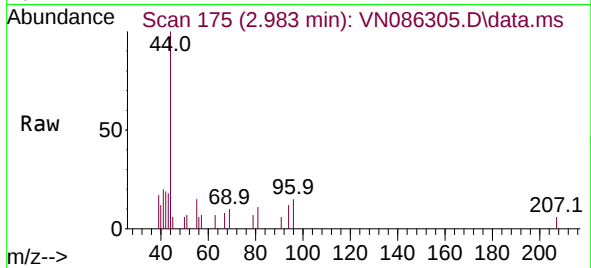




#5
Bromomethane
Concen: 0.472 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

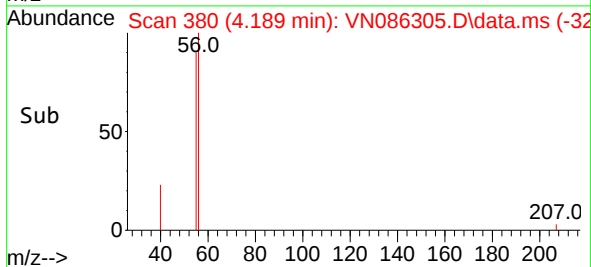
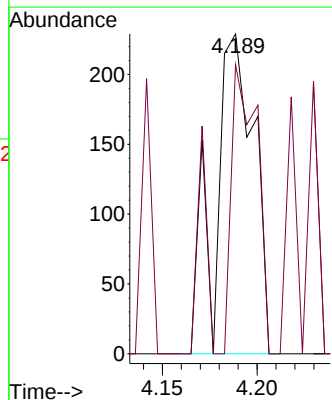
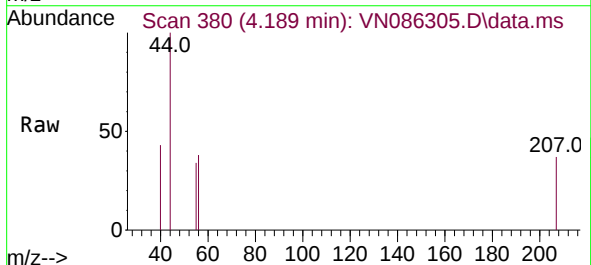
Instrument :
MSVOA_N
ClientSampleId :

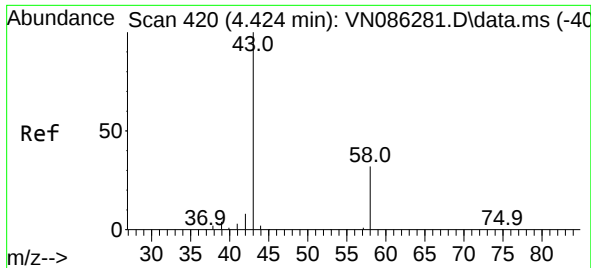
Tgt Ion: 94 Resp: 679
Ion Ratio Lower Upper
94 100
96 125.6 75.2 112.8#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
55 59.7 58.5 87.7

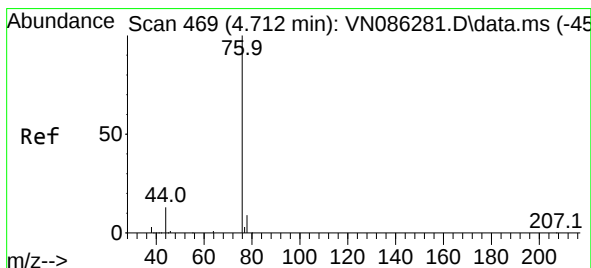
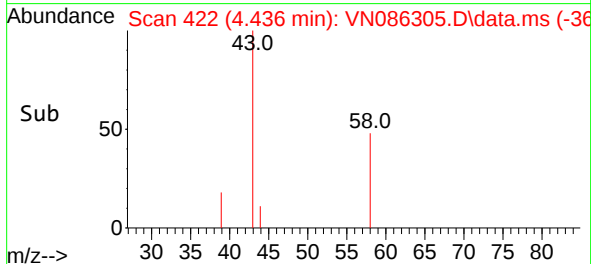
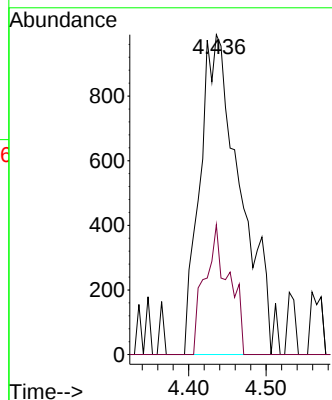
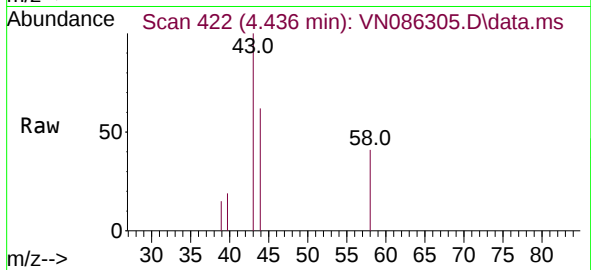




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

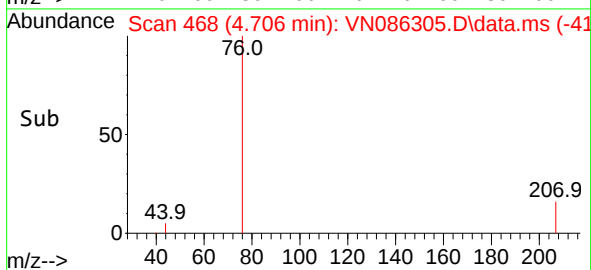
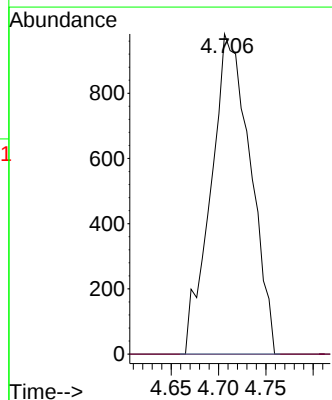
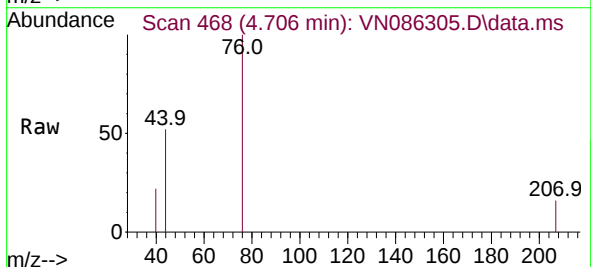
Instrument :
MSVOA_N
ClientSampleId :

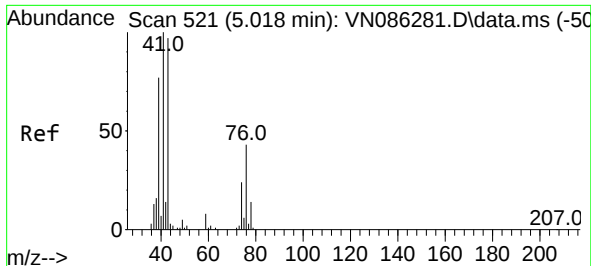
Tgt Ion: 43 Resp: 3624
Ion Ratio Lower Upper
43 100
58 40.6 25.3 37.9#



#17
Carbon Disulfide
Concen: 0.414 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

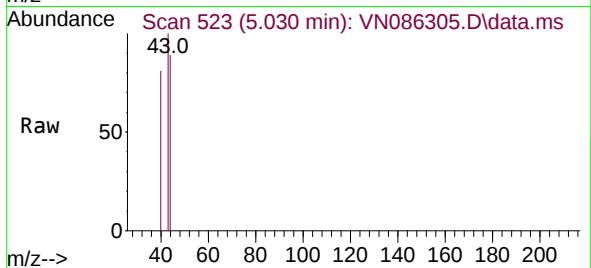
Tgt Ion: 76 Resp: 2839
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



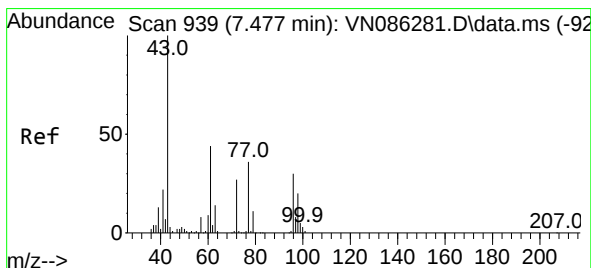
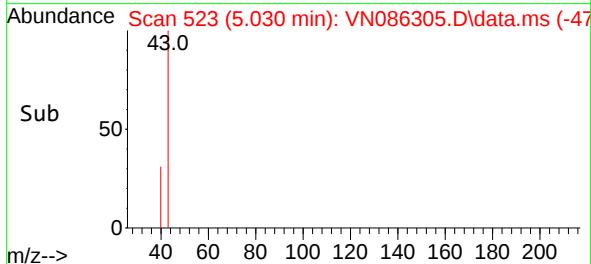
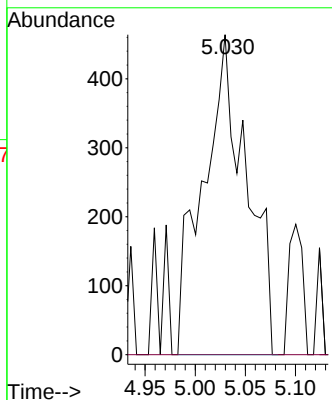


#18
Methyl Acetate
Concen: 0.414 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Instrument :
MSVOA_N
ClientSampleId :

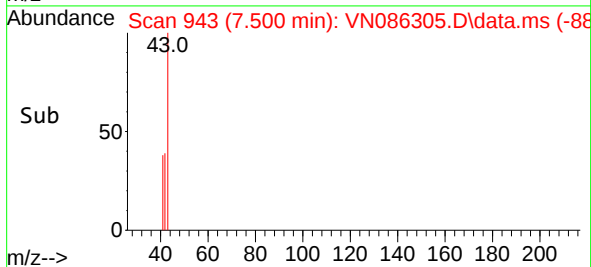
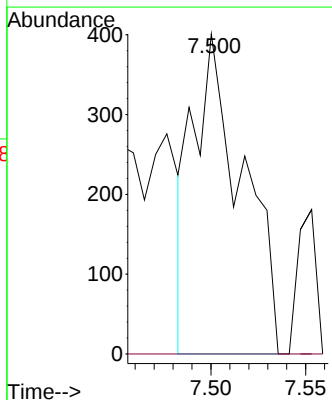
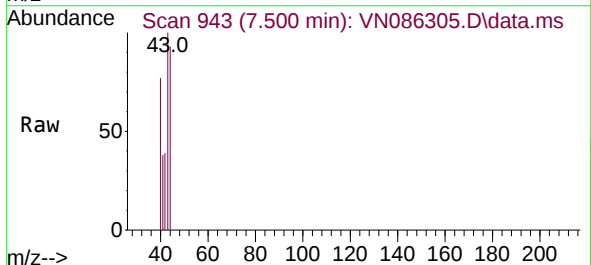


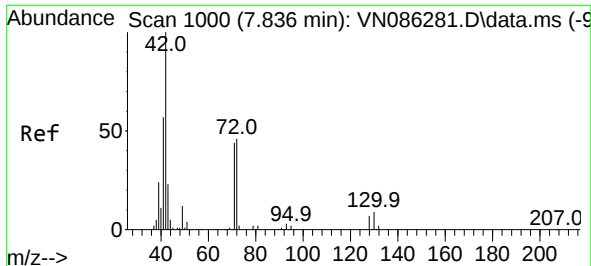
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#25
2-Butanone
Concen: 0.415 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.023 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.579 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

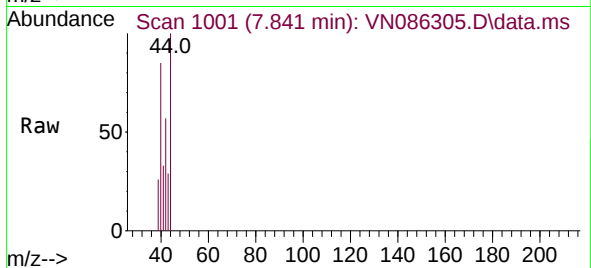
Lab File: VN086305.D

Acq: 16 Apr 2025 18:27

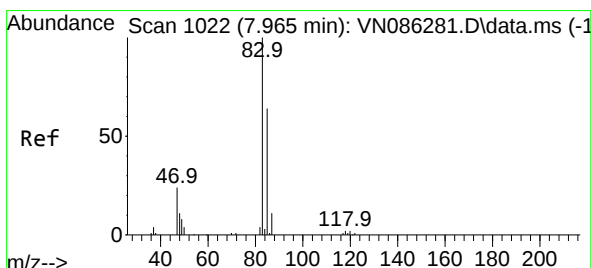
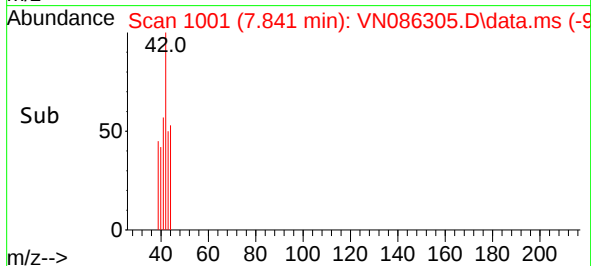
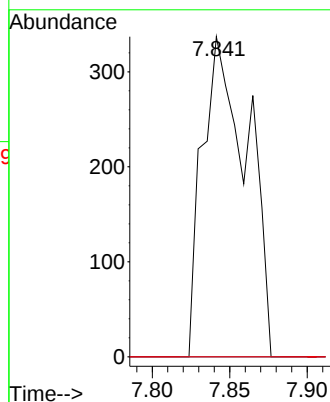
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 680
Ion Ratio	Lower Upper
42	100
72	0.0 36.2 54.4#
71	0.0 34.0 51.0#



#30

Chloroform

Concen: 0.218 ug/l

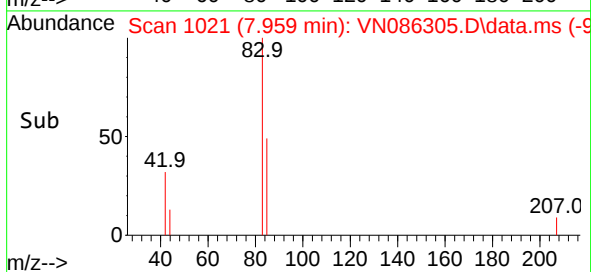
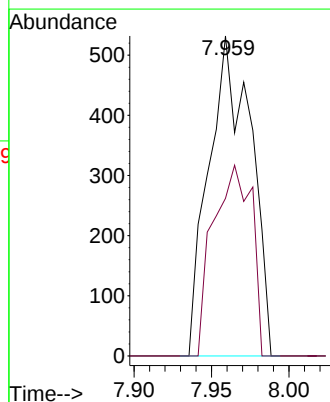
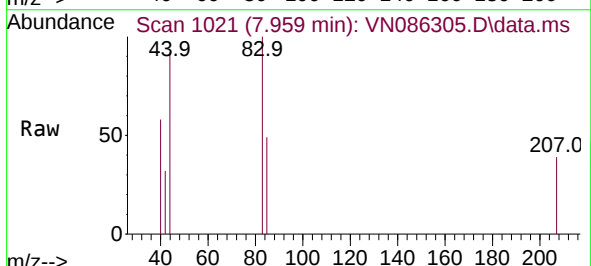
RT: 7.959 min Scan# 1021

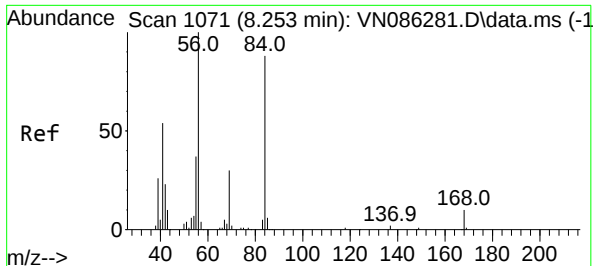
Delta R.T. -0.006 min

Lab File: VN086305.D

Acq: 16 Apr 2025 18:27

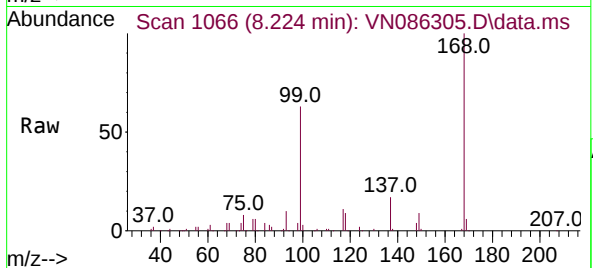
Tgt Ion: 83	Resp: 1002
Ion Ratio	Lower Upper
83	100
85	49.2 51.5 77.3#



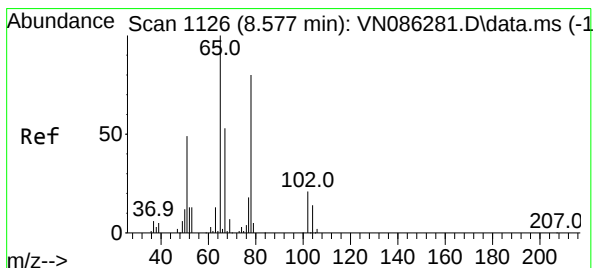
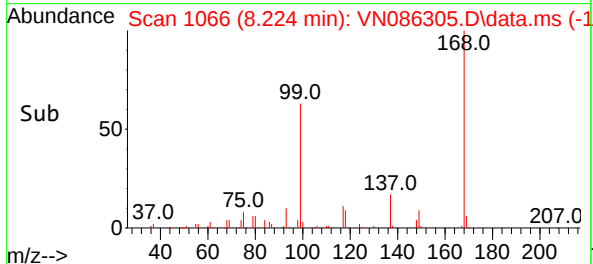
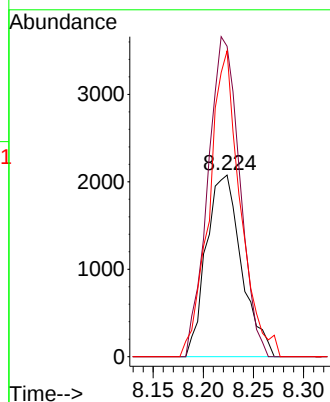


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Instrument :
MSVOA_N
ClientSampleId :

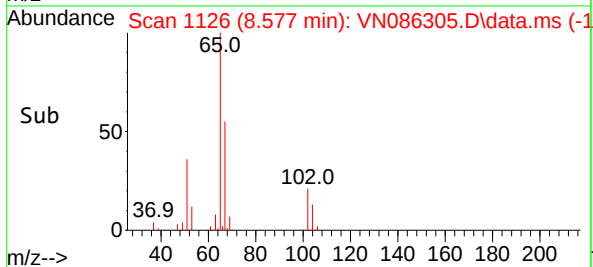
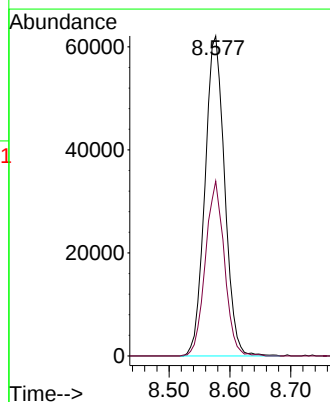
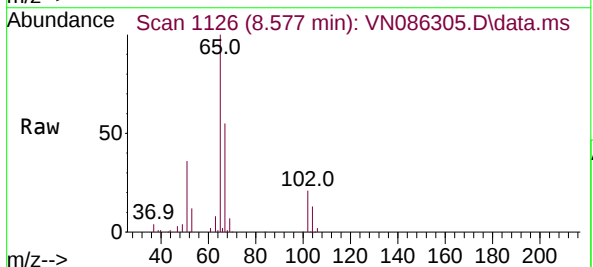


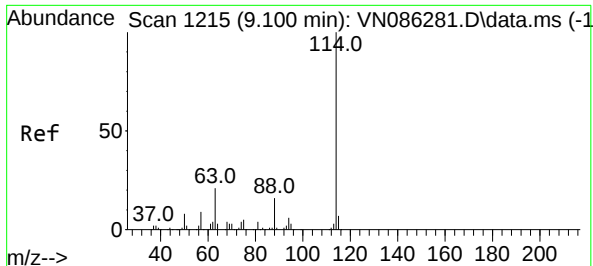
Tgt Ion: 56 Resp: 5080
Ion Ratio Lower Upper
56 100
69 171.0 24.2 36.2#
84 168.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.374 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

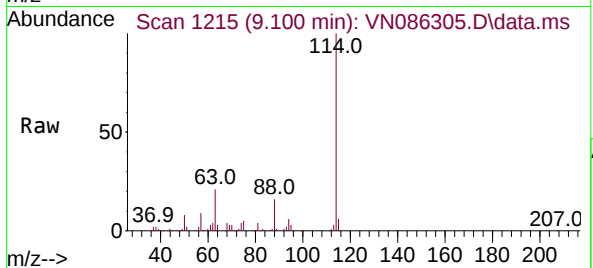
Tgt Ion: 65 Resp: 139233
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0



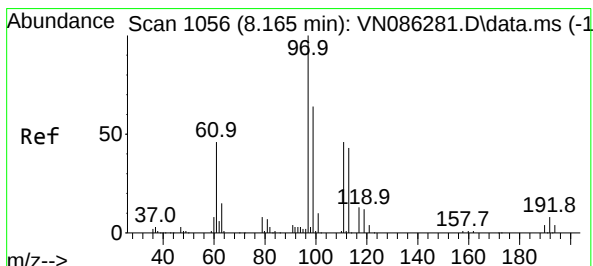
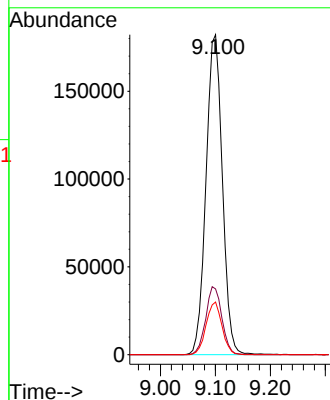
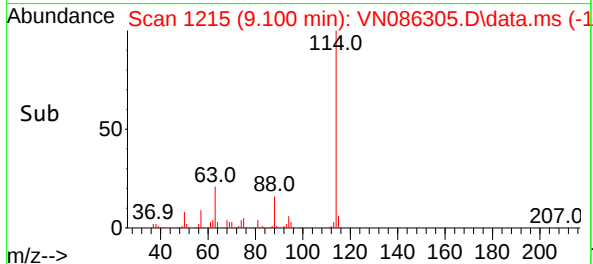


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Instrument :
MSVOA_N
ClientSampleId :

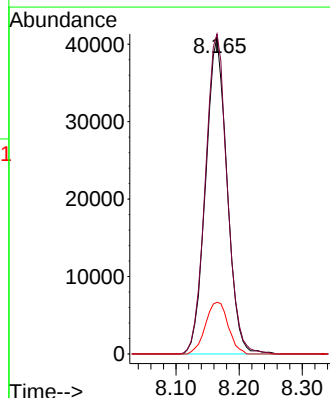
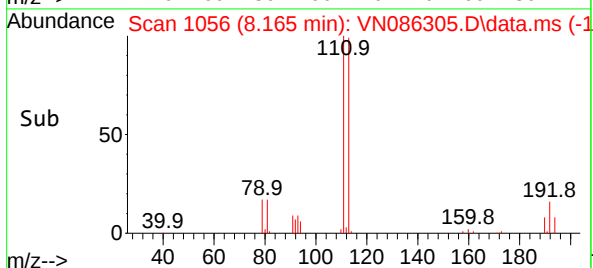
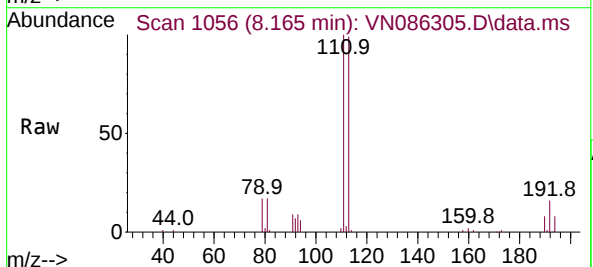


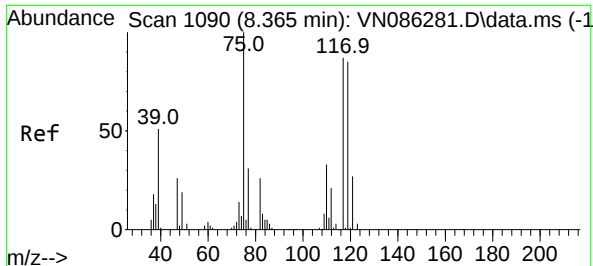
Tgt Ion:114 Resp: 376626
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.049 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion:113 Resp: 96224
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.0
192 17.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.574 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086305.D

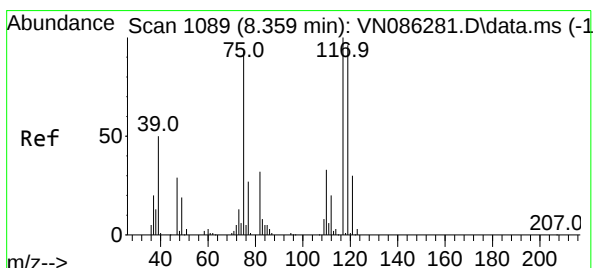
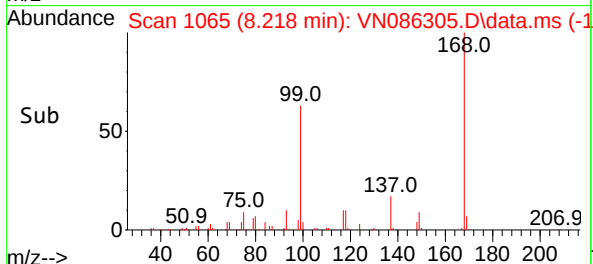
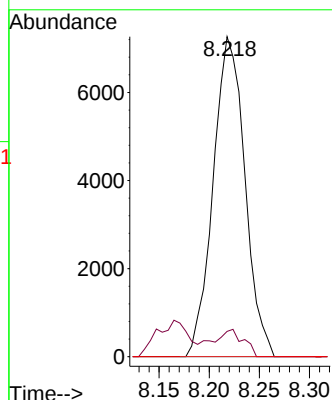
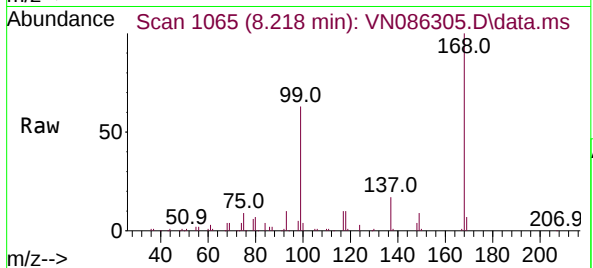
Acq: 16 Apr 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	15968
Ion	Ratio	Lower	Upper
75	100		
110	5.9	16.8	50.4#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.091 ug/l

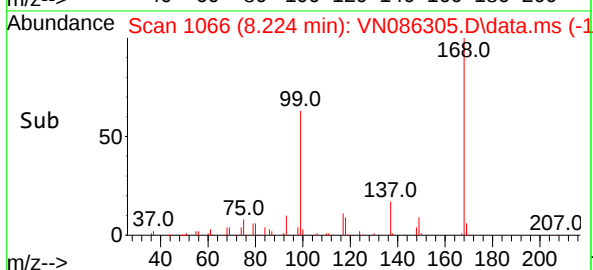
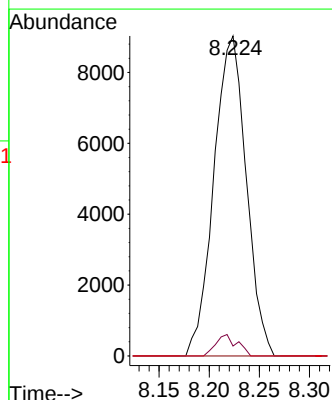
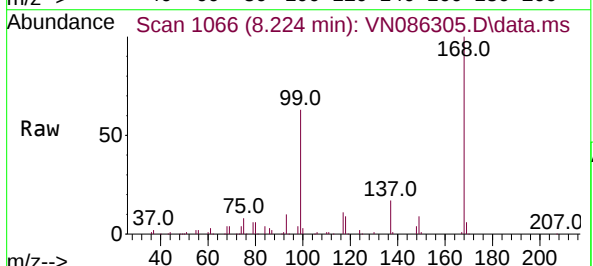
RT: 8.224 min Scan# 1066

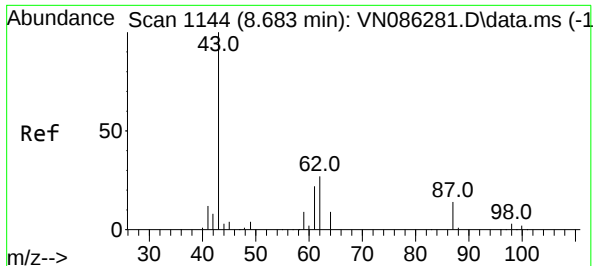
Delta R.T. -0.135 min

Lab File: VN086305.D

Acq: 16 Apr 2025 18:27

Tgt Ion:	117	Resp:	20252
Ion	Ratio	Lower	Upper
117	100		
119	3.1	76.8	115.2#
121	0.0	23.8	35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN086305.D

Acq: 16 Apr 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

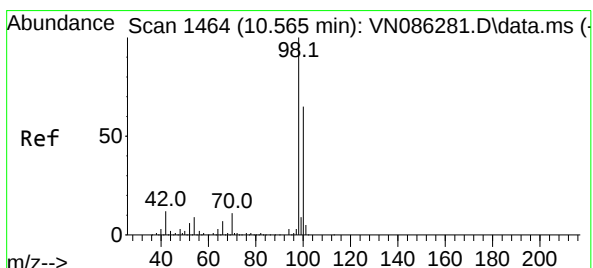
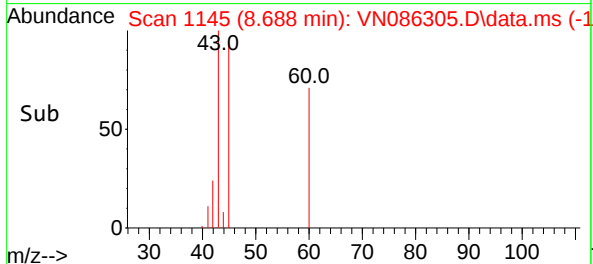
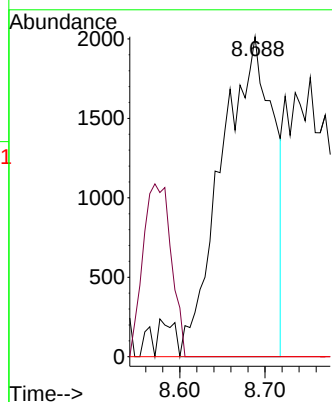
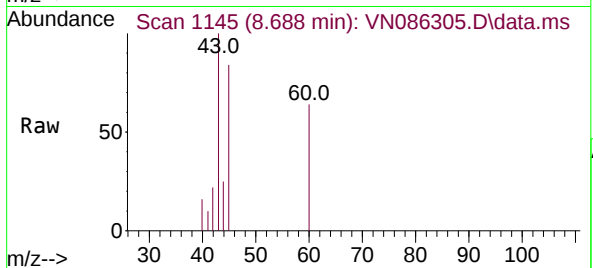
Tgt Ion: 43 Resp: 8520

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.652 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086305.D

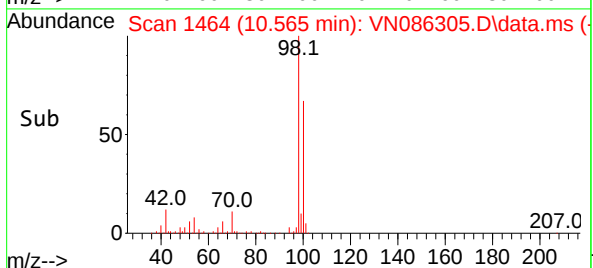
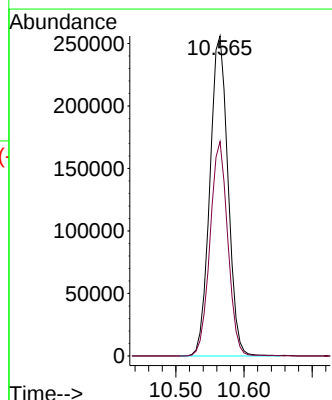
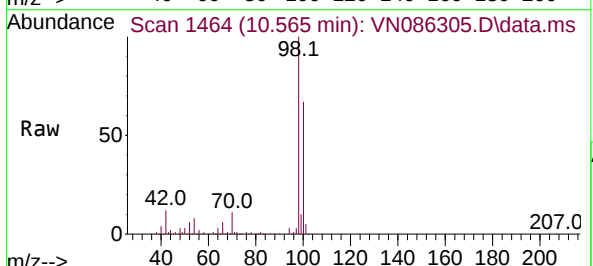
Acq: 16 Apr 2025 18:27

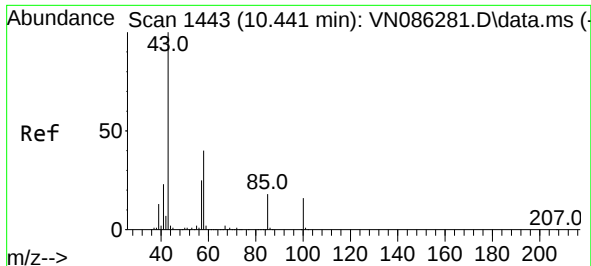
Tgt Ion: 98 Resp: 473194

Ion Ratio Lower Upper

98 100

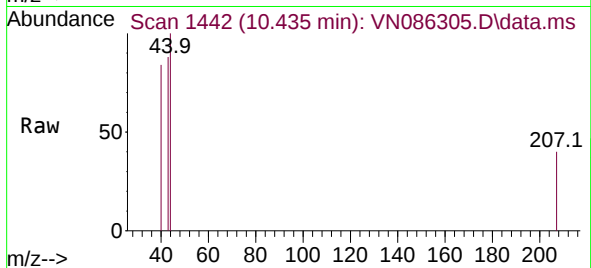
100 65.7 52.5 78.7



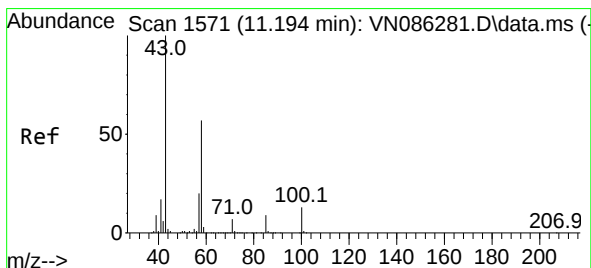
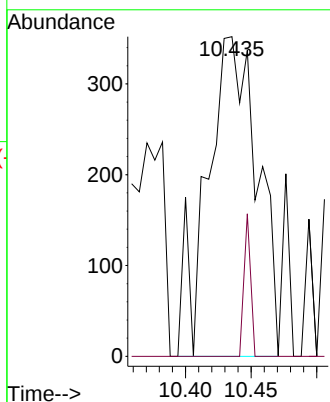
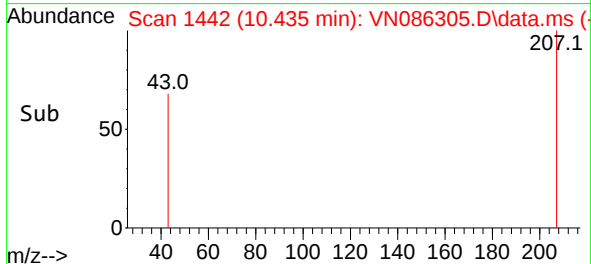


#51
4-Methyl-2-Pentanone
Concen: 0.251 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Instrument :
MSVOA_N
ClientSampleId :

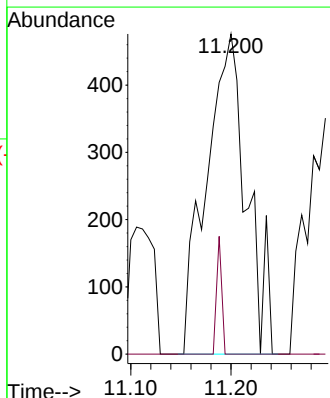
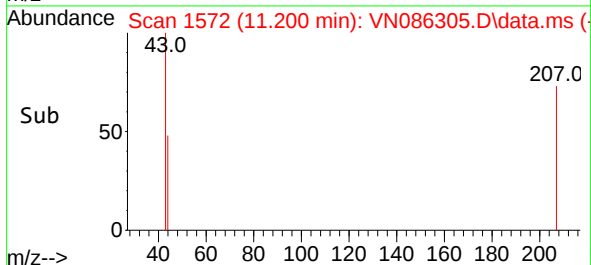
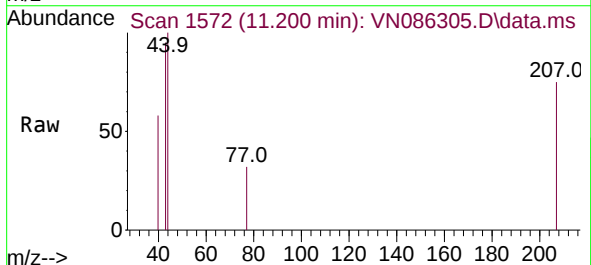


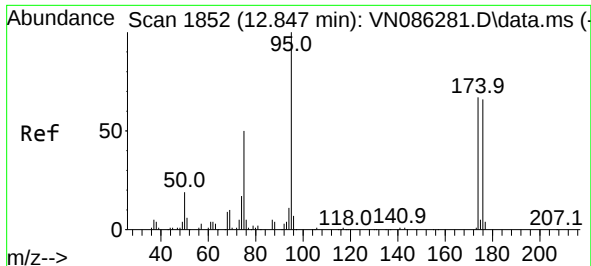
Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.4#



#59
2-Hexanone
Concen: 0.477 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
58 4.7 28.3 85.0#

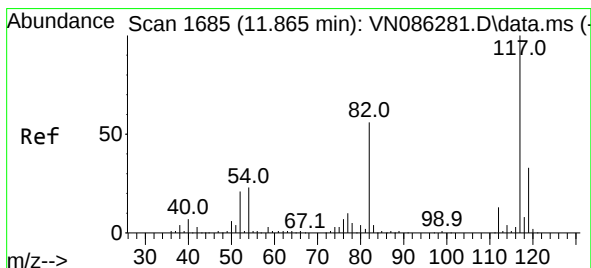
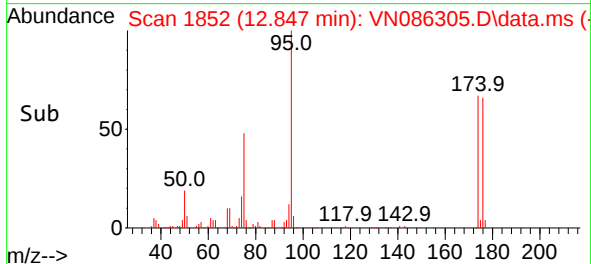
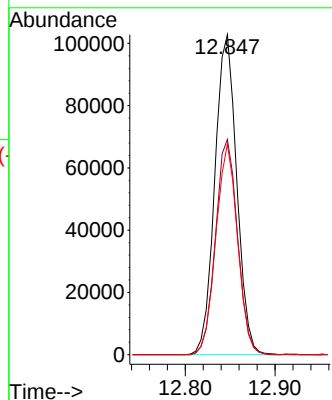
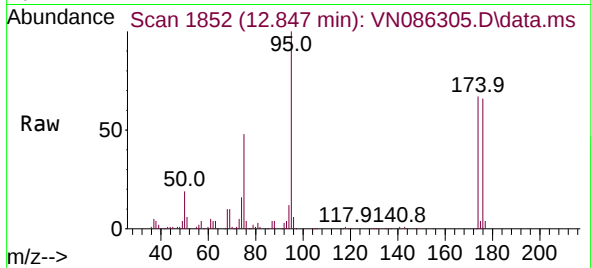




#62
4-Bromofluorobenzene
Concen: 51.105 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

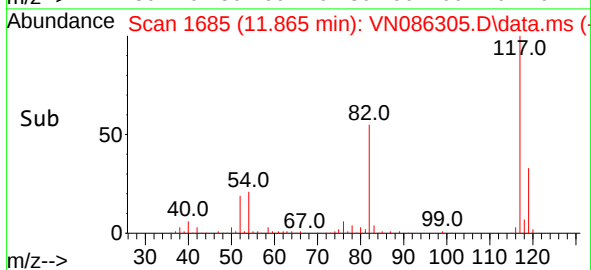
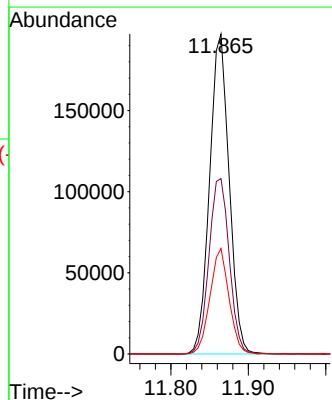
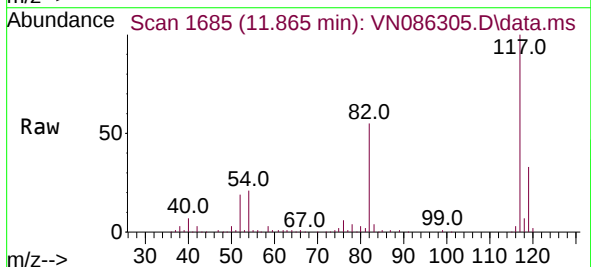
Instrument :
MSVOA_N
ClientSampleId :

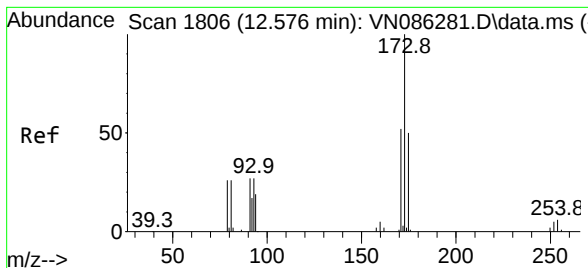
Tgt Ion: 95 Resp: 174137
Ion Ratio Lower Upper
95 100
174 67.8 0.0 133.4
176 65.1 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 117 Resp: 345691
Ion Ratio Lower Upper
117 100
82 54.8 44.7 67.1
119 32.9 26.4 39.6





#71

Bromoform

Concen: 0.295 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN086305.D

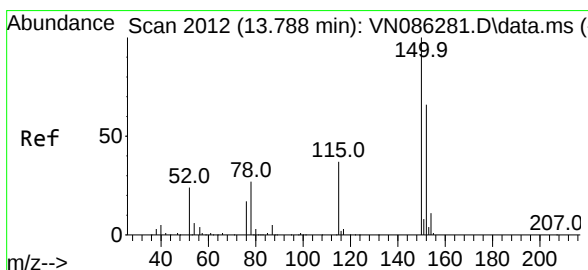
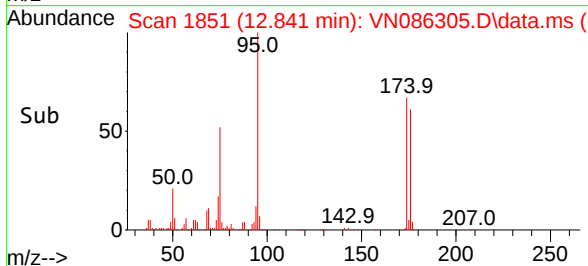
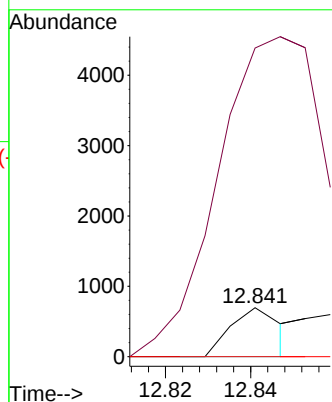
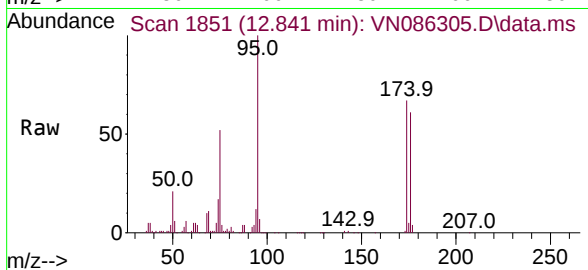
Acq: 16 Apr 2025 18:27

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 565
 Ion Ratio Lower Upper
 173 100
 175 1212.7 24.6 73.6#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

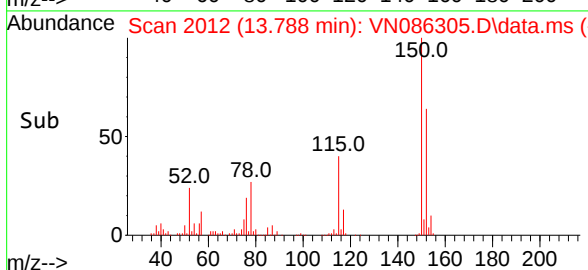
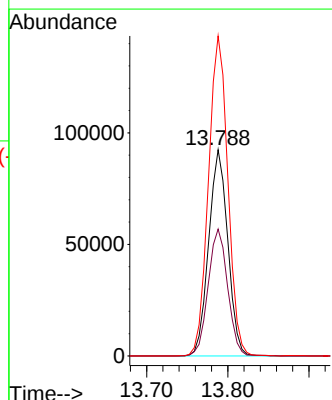
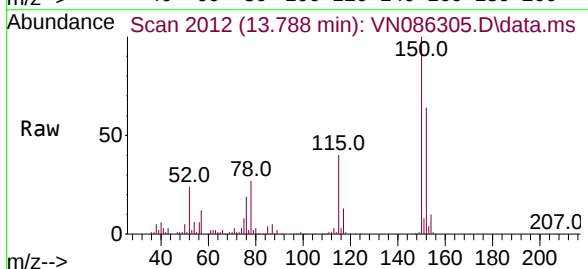
RT: 13.788 min Scan# 2012

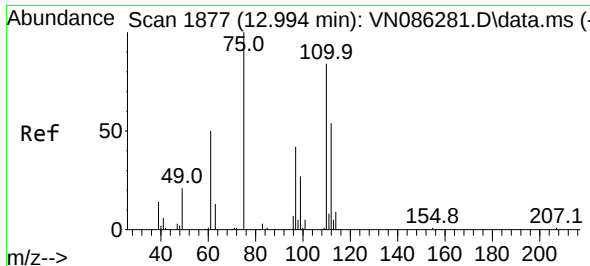
Delta R.T. -0.000 min

Lab File: VN086305.D

Acq: 16 Apr 2025 18:27

Tgt Ion:152 Resp: 150962
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.9 95.9
 150 157.5 0.0 352.0

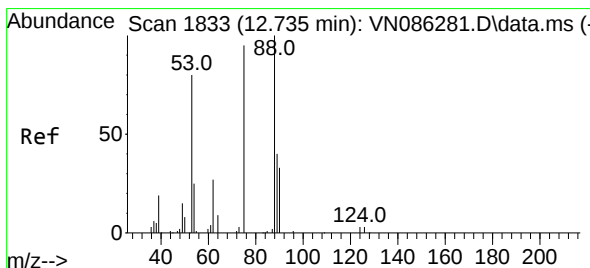
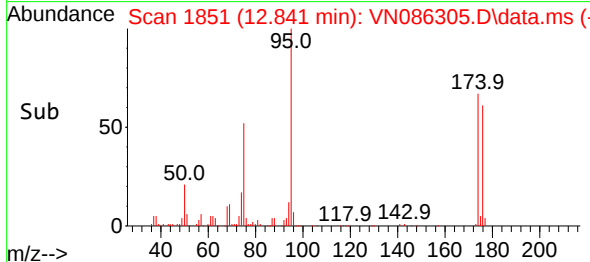
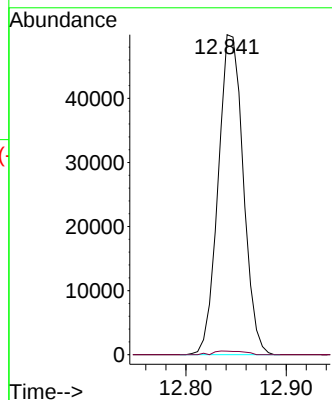
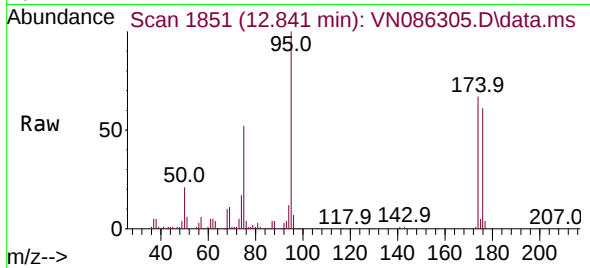




#76
1,2,3-Trichloropropane
Concen: 24.334 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.153 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

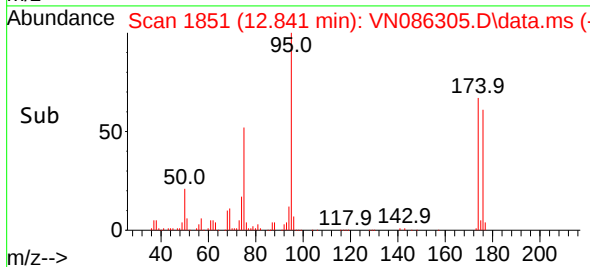
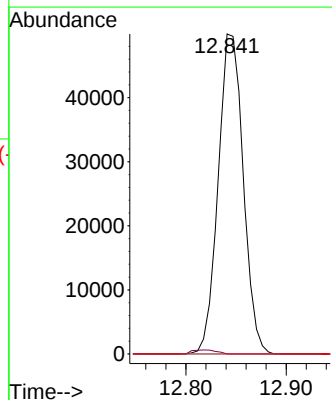
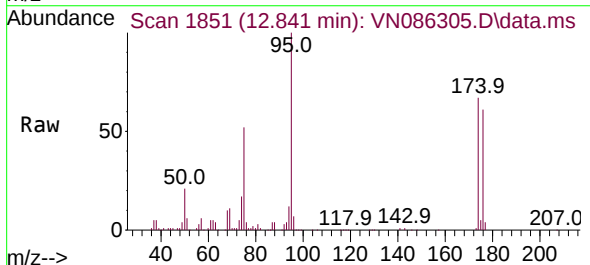
Instrument :
MSVOA_N
ClientSampleId :

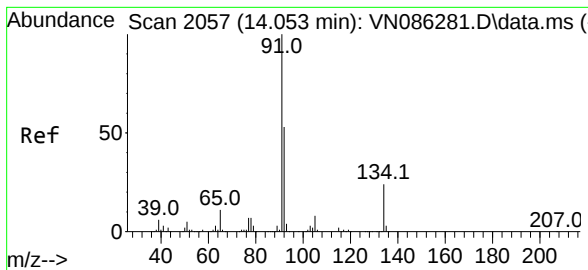
Tgt Ion: 75 Resp: 86689
Ion Ratio Lower Upper
75 100
77 1.4 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.441 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

Tgt Ion: 75 Resp: 86689
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

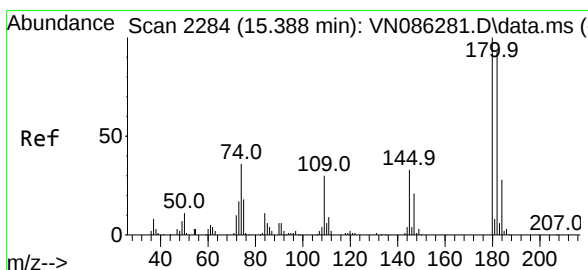
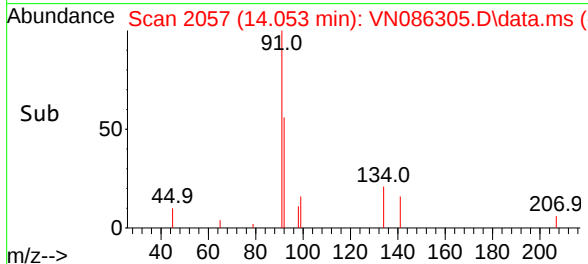
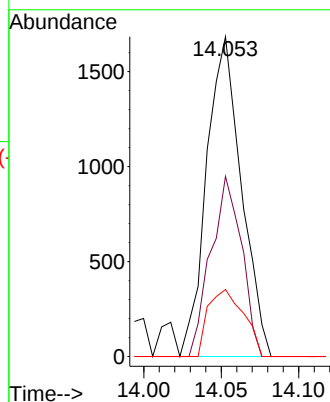
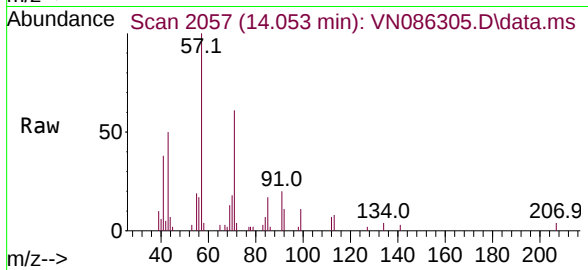




#89
n-Butylbenzene
Concen: 0.296 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

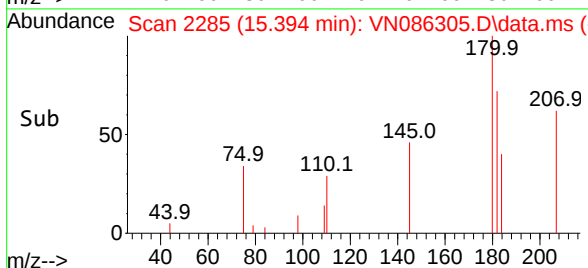
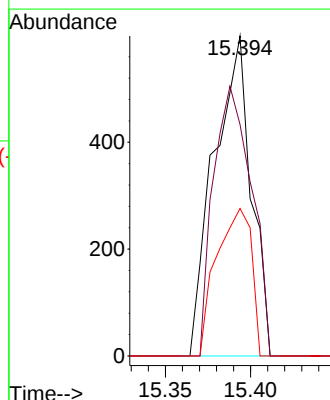
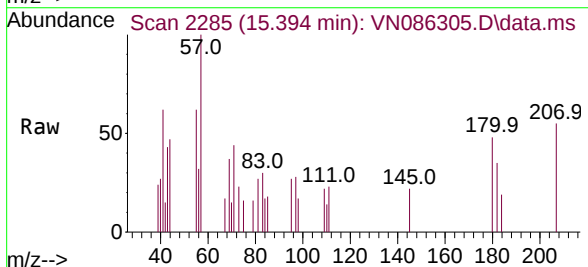
Instrument :
MSVOA_N
ClientSampleId :

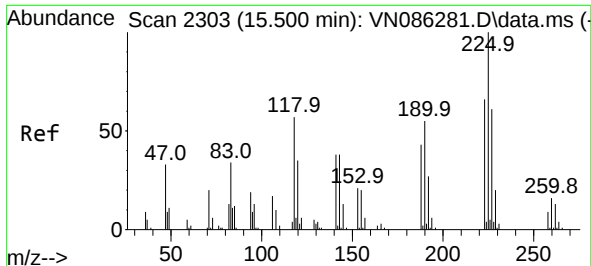
Tgt Ion:	91	Resp:	2629
Ion	Ratio	Lower	Upper
91	100		
92	49.9	26.8	80.4
134	21.5	12.2	36.6



#93
1,2,4-Trichlorobenzene
Concen: 0.379 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

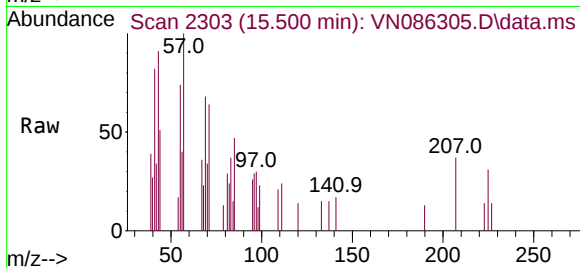
Tgt Ion:	180	Resp:	906
Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.0	141.0
145	43.4	16.4	49.1



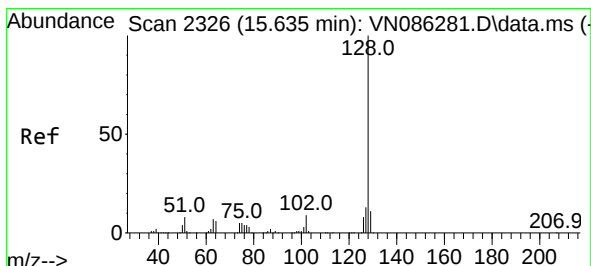
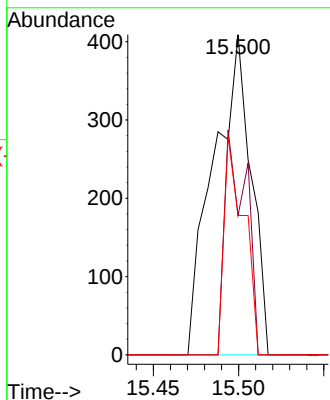
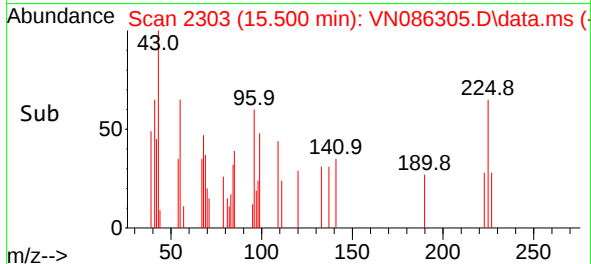


#94
Hexachlorobutadiene
Concen: 0.694 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27

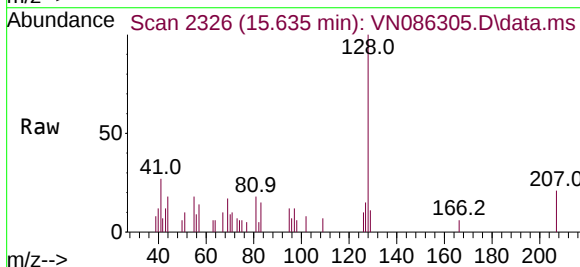
Instrument :
MSVOA_N
ClientSampleId :



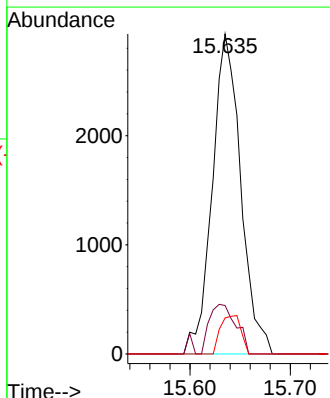
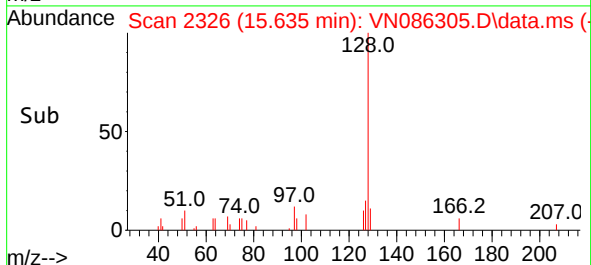
Tgt Ion	Ratio	Lower	Upper
225	100		
223	40.1	32.8	98.3
227	35.8	31.4	94.0

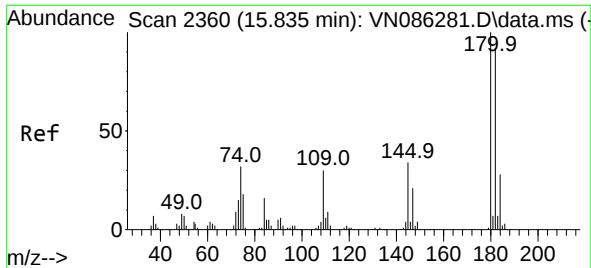


#95
Naphthalene
Concen: 0.682 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086305.D
Acq: 16 Apr 2025 18:27



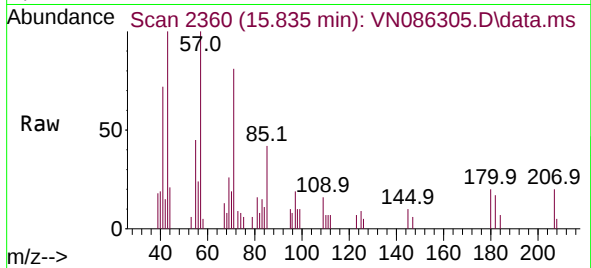
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	8.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.589 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086305.D
 Acq: 16 Apr 2025 18:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1331
Ion	Ratio	Lower	Upper
180	100		
182	68.7	47.3	142.0
145	28.4	17.2	51.5

