Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022384.D
Acq On : 22 May 2025 10:38
Operator : SY/MD
Sample : Q2087-03
Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Quant Time: May 23 03:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	32360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	45412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	27449	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	7819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	11107	31.405	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 62.820%			
35) Dibromofluoromethane	7.640	113	10942	40.370	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 80.740%			
50) Toluene-d8	10.115	98	49381	44.484	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.960%			
62) 4-Bromofluorobenzene	12.414	95	9237	26.252	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 52.500%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	840	1.183	ug/l #	71
5) Bromomethane	2.617	94	1450	2.245	ug/l	83
10) Methyl Iodide	4.031	142	770	1.907	ug/l #	74
13) Acrolein	3.726	56	109	2.761	ug/l	90
16) Acetone	3.891	43	172	2.594	ug/l #	45
25) 2-Butanone	6.915	43	122	1.100	ug/l #	47
31) Cyclohexane	7.713	56	989	1.382	ug/l #	48
36) 1,1-Dichloropropene	7.713	75	2865	6.417	ug/l #	47
38) Carbon Tetrachloride	7.720	117	3293	7.126	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	298	1.296	ug/l #	53
59) 2-Hexanone	10.762	43	462	2.998	ug/l	79
74) N-amyl acetate	12.079	43	458	2.472	ug/l #	53
76) 1,2,3-Trichloropropane	12.414	75	5606	70.770	ug/l #	100
79) 2-Chlorotoluene	12.792	91	435	1.013	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.414	75	5606	143.362	ug/l #	12
87) 1,3-Dichlorobenzene	13.298	146	348	1.232	ug/l	80
88) 1,4-Dichlorobenzene	13.371	146	480	1.767	ug/l	88
91) 1,2-Dichlorobenzene	13.670	146	367	1.547	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.919	180	167	1.219	ug/l #	20
95) Naphthalene	15.151	128	766	2.946	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.328	180	238	2.047	ug/l #	87

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022384.D
Acq On : 22 May 2025 10:38
Operator : SY/MD
Sample : Q2087-03
Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Quant Time: May 23 03:33:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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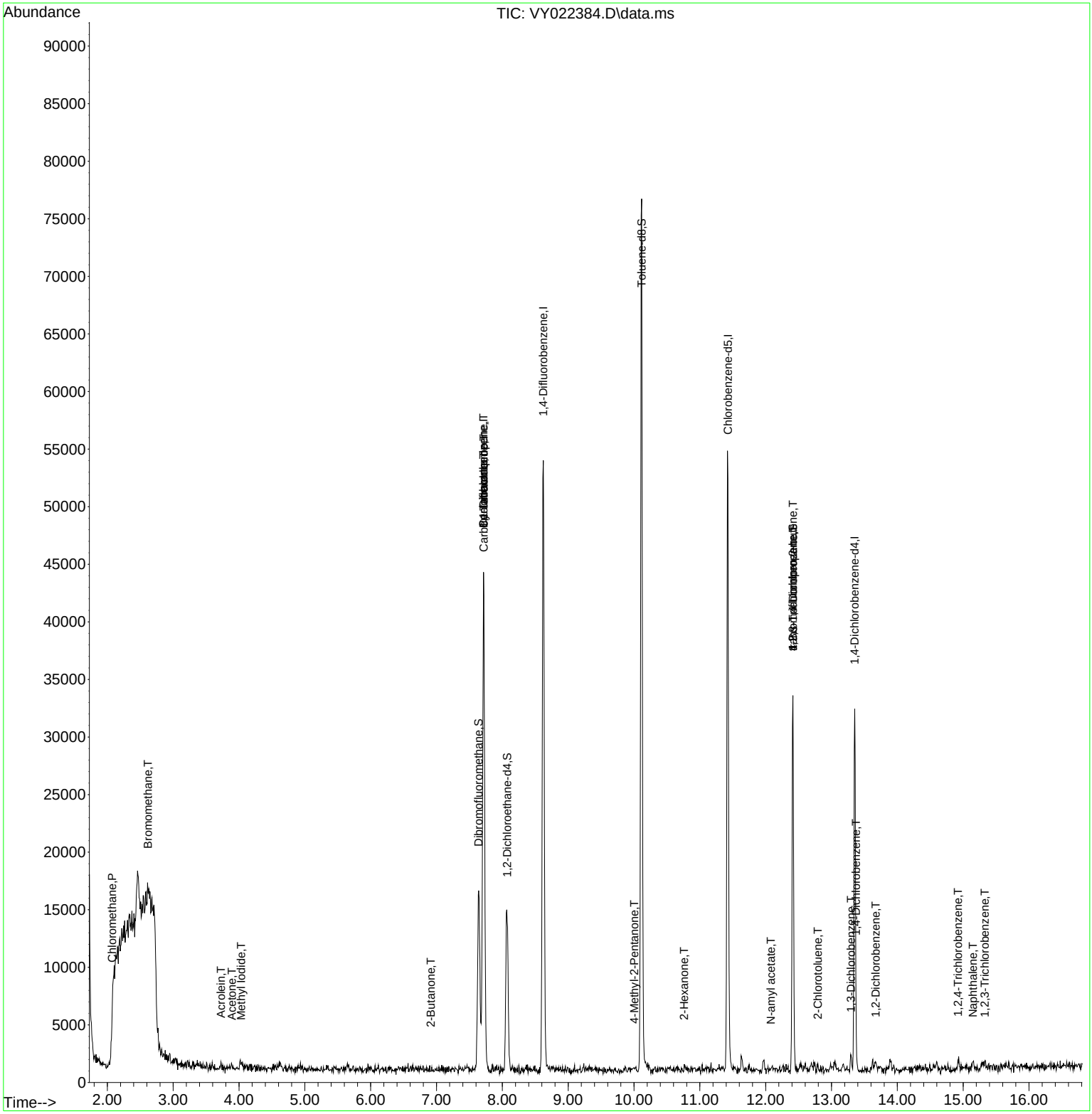
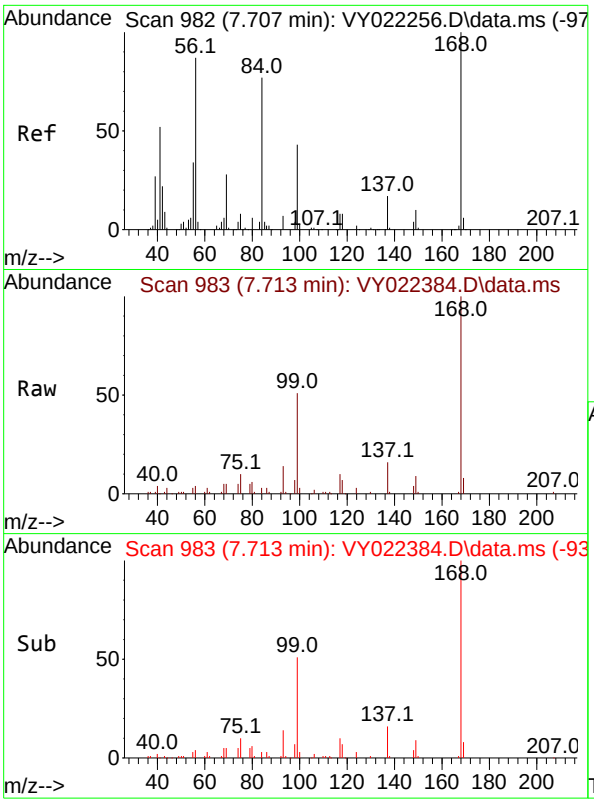


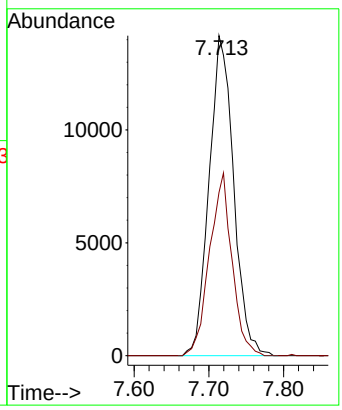


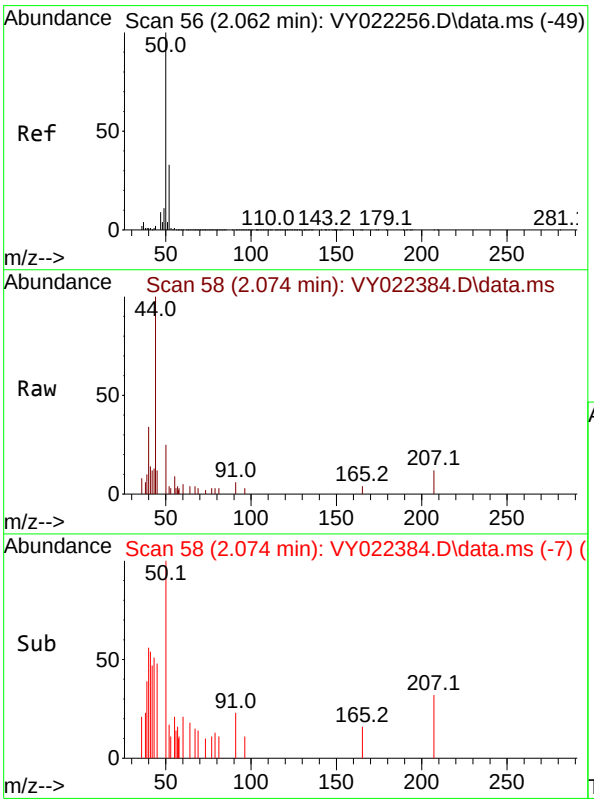
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:168 Resp: 32360

Ion	Ratio	Lower	Upper
168	100		
99	51.0	44.2	66.4

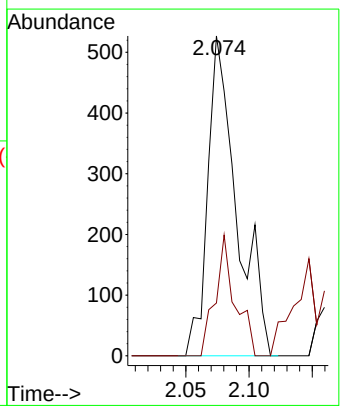


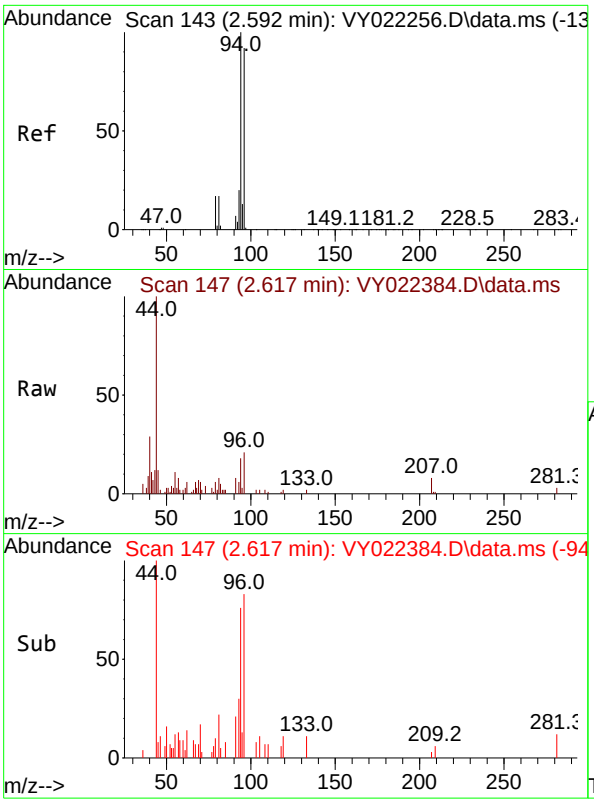


#3
Chloromethane
Concen: 1.183 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 50 Resp: 840

Ion	Ratio	Lower	Upper
50	100		
52	16.5	26.5	39.7#



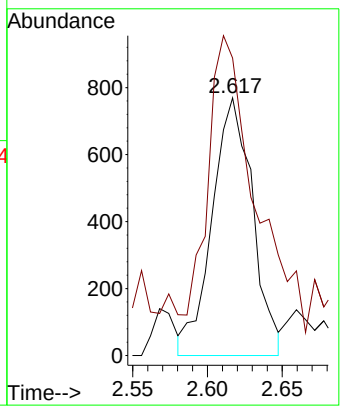


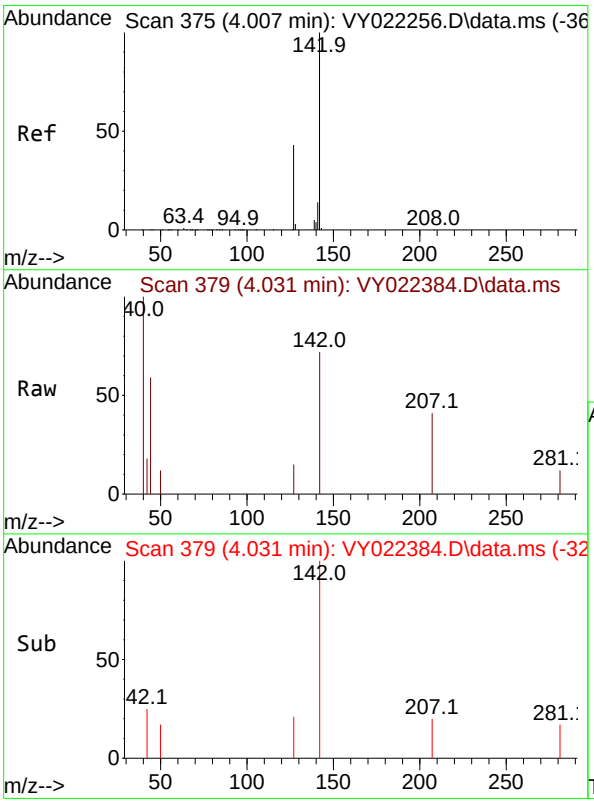
#5
Bromomethane
Concen: 2.245 ug/l
RT: 2.617 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 94 Resp: 1450

Ion	Ratio	Lower	Upper
94	100		
96	107.9	73.4	110.0

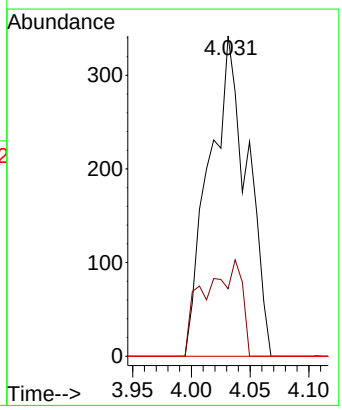


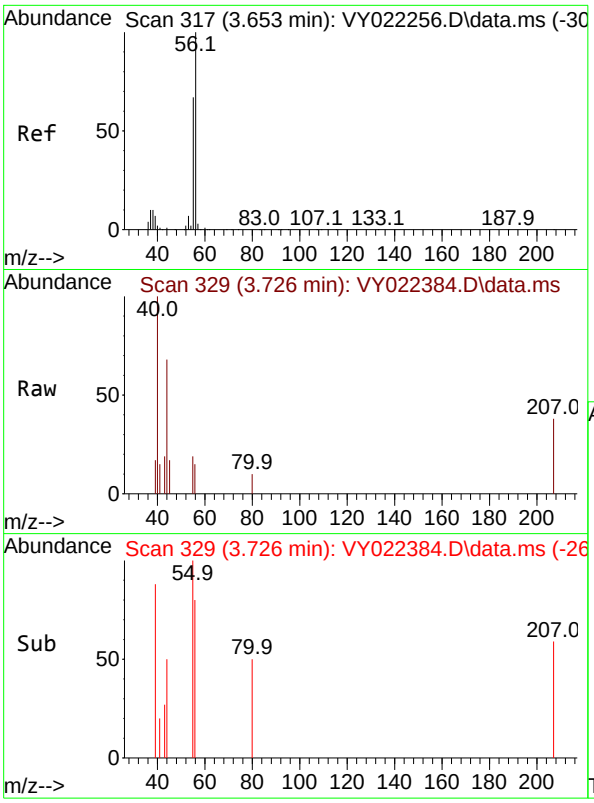


#10
Methyl Iodide
Concen: 1.907 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.024 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:142 Resp: 770

Ion	Ratio	Lower	Upper
142	100		
127	29.6	35.7	53.5#
141	0.0	11.1	16.7#



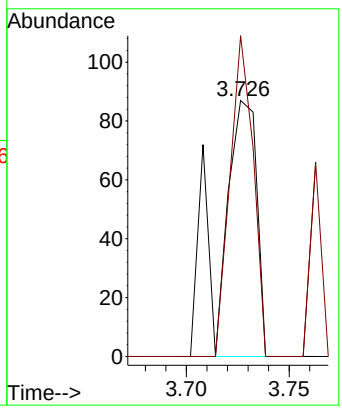


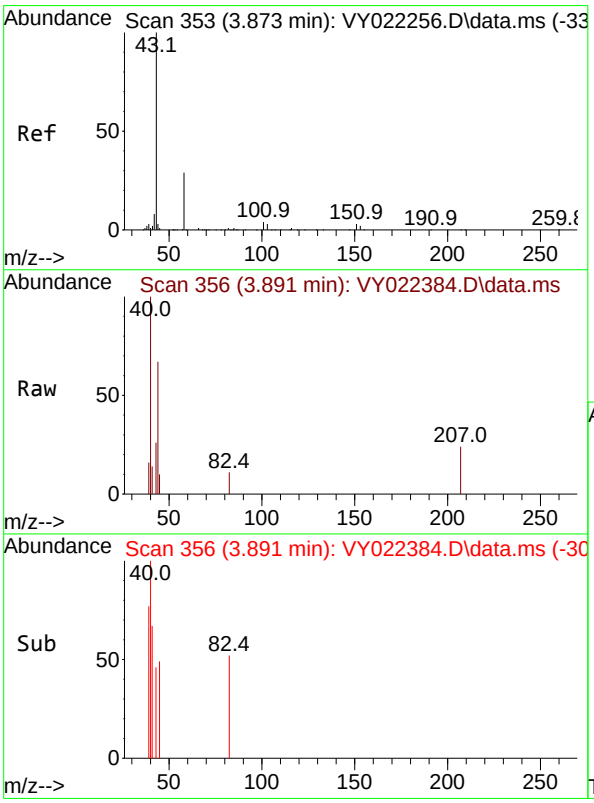
#13
Acrolein
Concen: 2.761 ug/l
RT: 3.726 min Scan# 3
Delta R.T. 0.073 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 56 Resp: 109

Ion	Ratio	Lower	Upper
56	100		
55	78.0	55.6	83.4

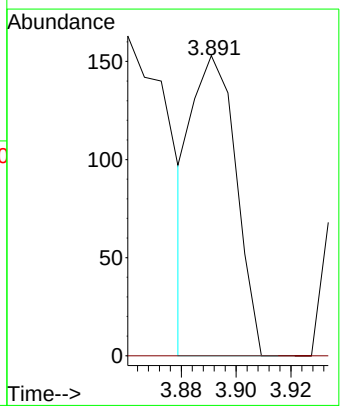


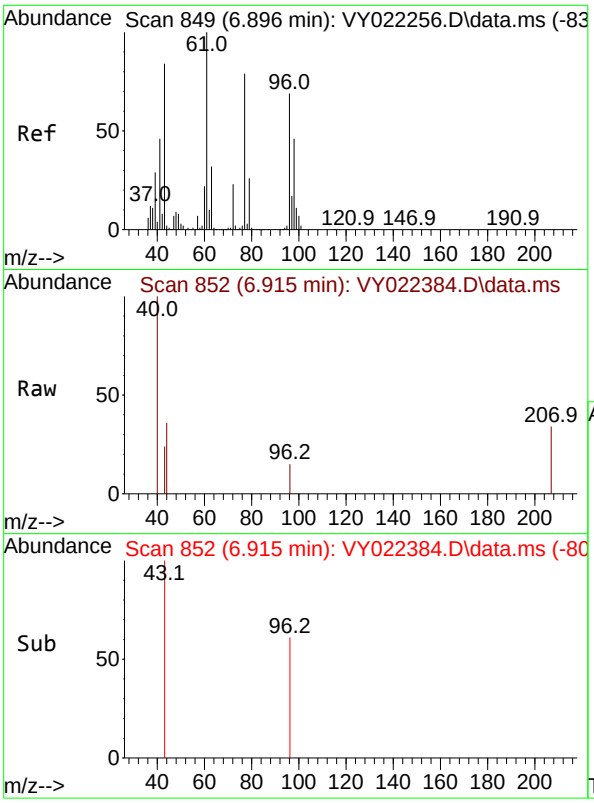


#16
Acetone
Concen: 2.594 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 43 Resp: 172

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.6	35.4#



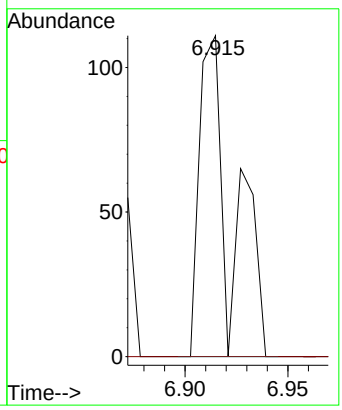


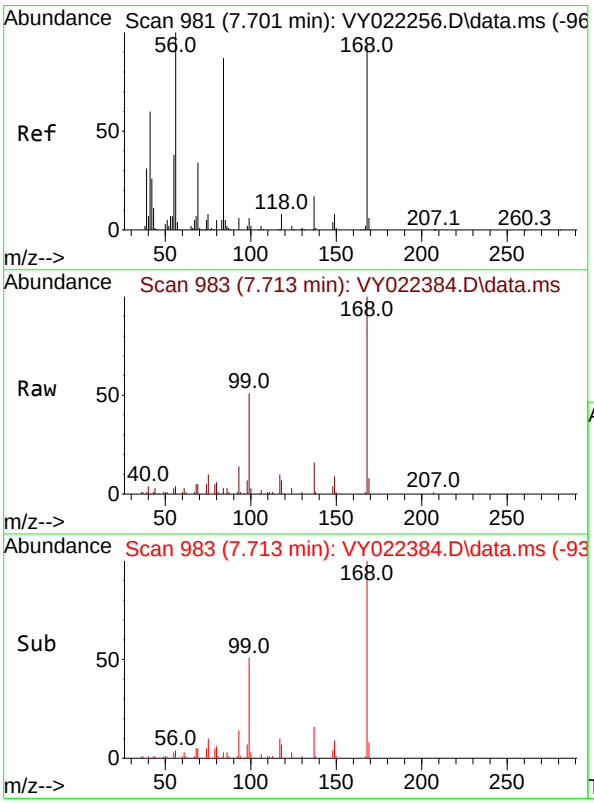
#25
2-Butanone
Concen: 1.100 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.018 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 43 Resp: 122

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.1	33.1#

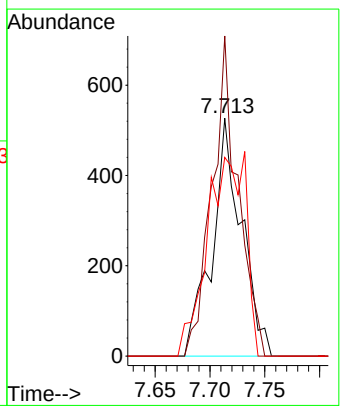


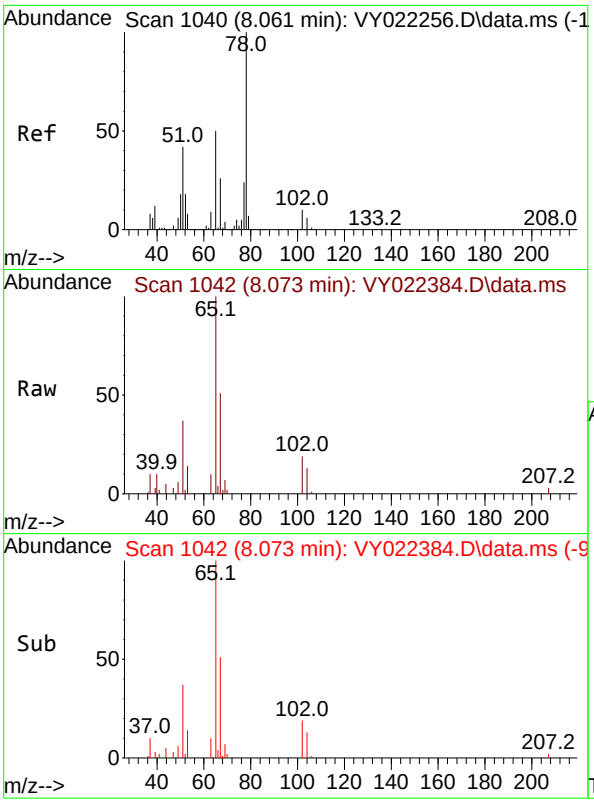


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 56 Resp: 989

Ion	Ratio	Lower	Upper
56	100		
69	134.5	27.4	41.2#
84	83.5	70.0	105.0



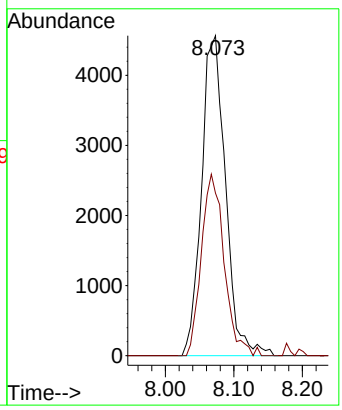


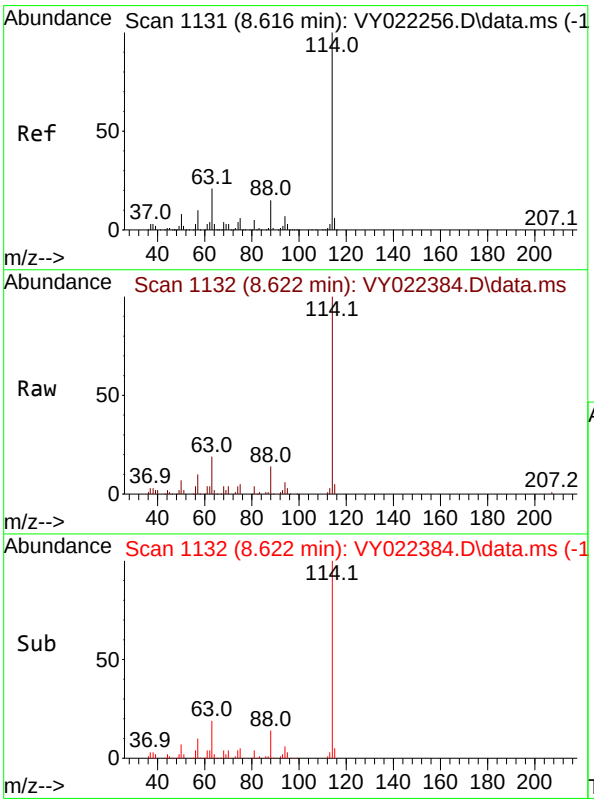
#33
1,2-Dichloroethane-d4
Concen: 31.405 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 65 Resp: 11107

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	104.6

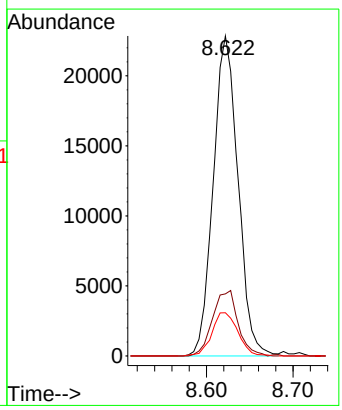


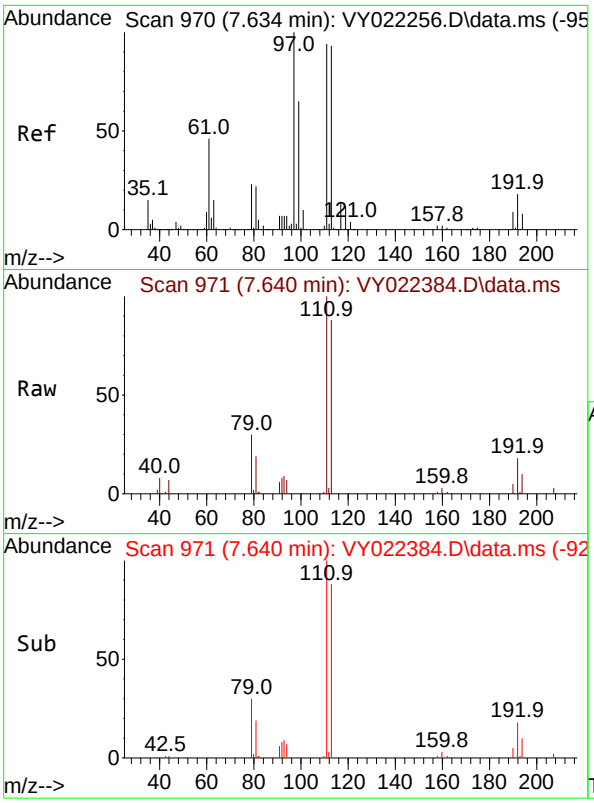


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:114 Resp: 45412

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	13.5	0.0	29.4



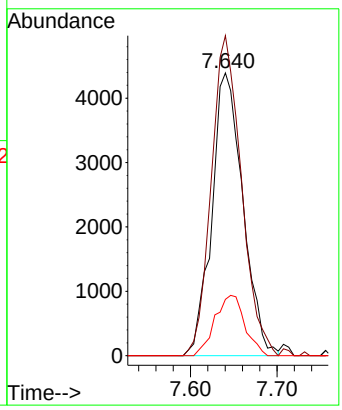


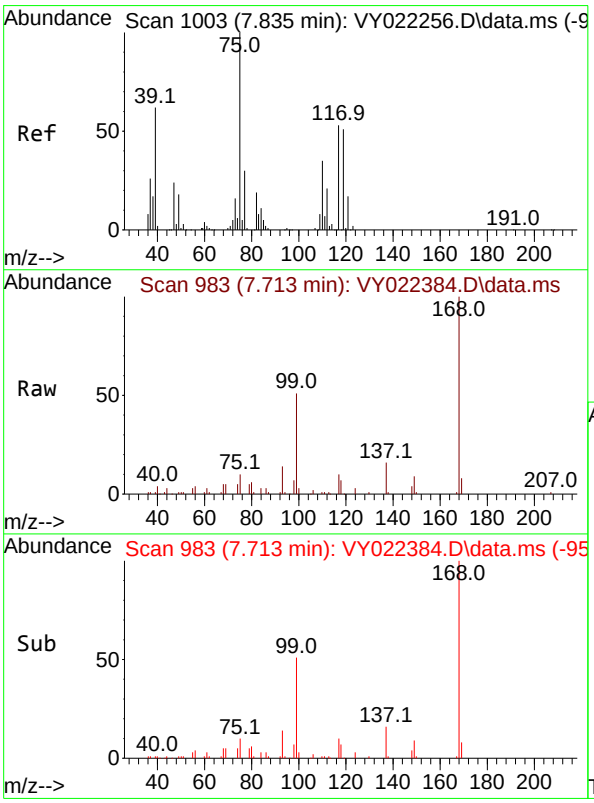
#35
Dibromofluoromethane
Concen: 40.370 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:113 Resp: 10942

Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.6	123.8
192	20.6	15.2	22.8

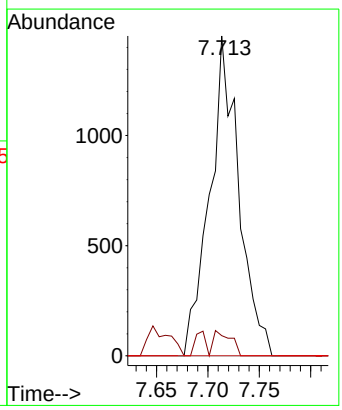


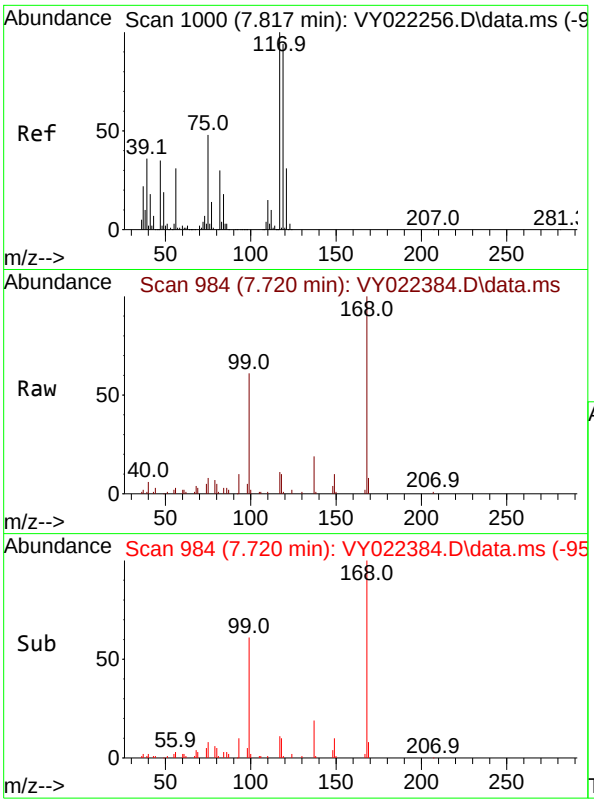


#36
1,1-Dichloropropene
Concen: 6.417 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 75 Resp: 2865

Ion	Ratio	Lower	Upper
75	100		
110	4.7	16.6	49.8#
77	0.0	24.6	37.0#



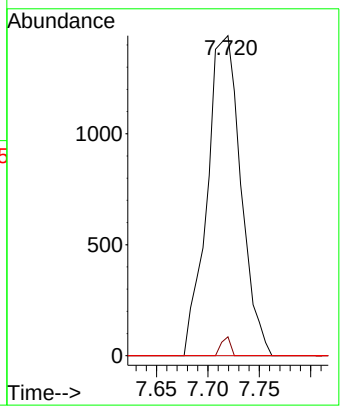


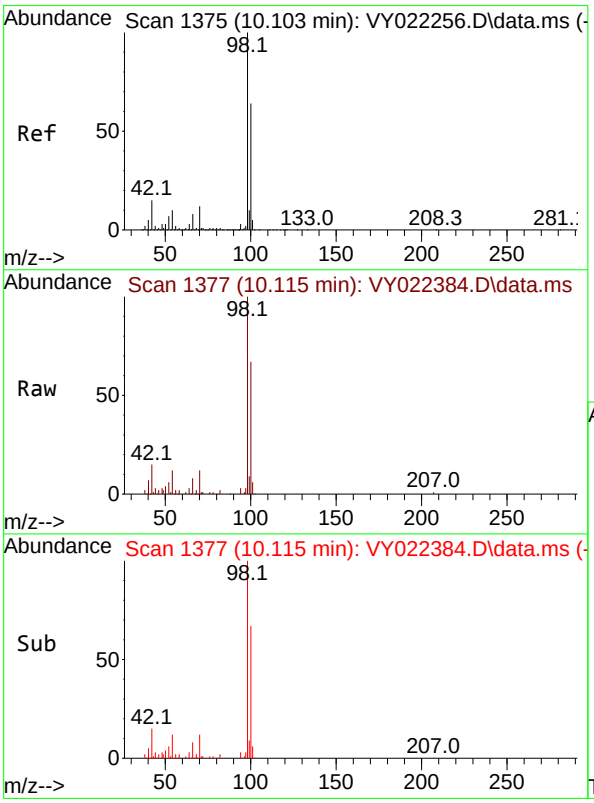
#38
Carbon Tetrachloride
Concen: 7.126 ug/l
RT: 7.720 min Scan# 9
Delta R.T. -0.097 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:117 Resp: 3293

Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.3	112.9#
121	0.0	24.7	37.1#

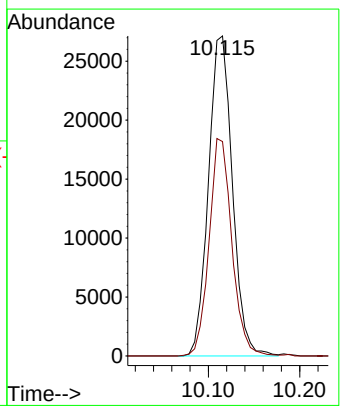


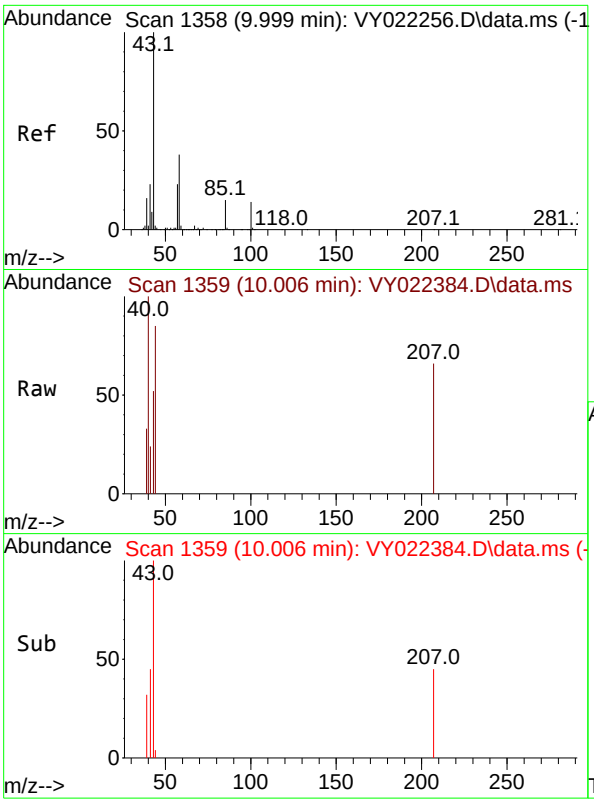


#50
Toluene-d8
Concen: 44.484 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 98 Resp: 49381

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8



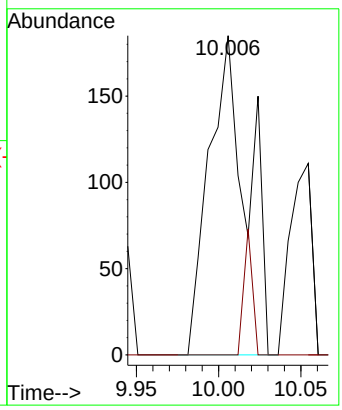


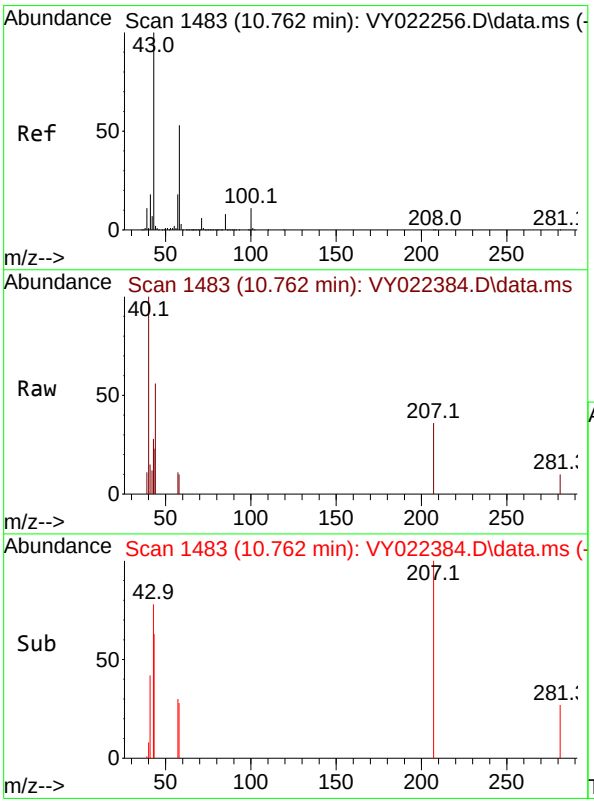
#51
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 43 Resp: 298

Ion	Ratio	Lower	Upper
43	100		
58	9.1	29.4	44.2#

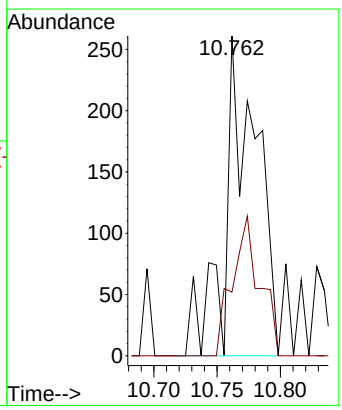


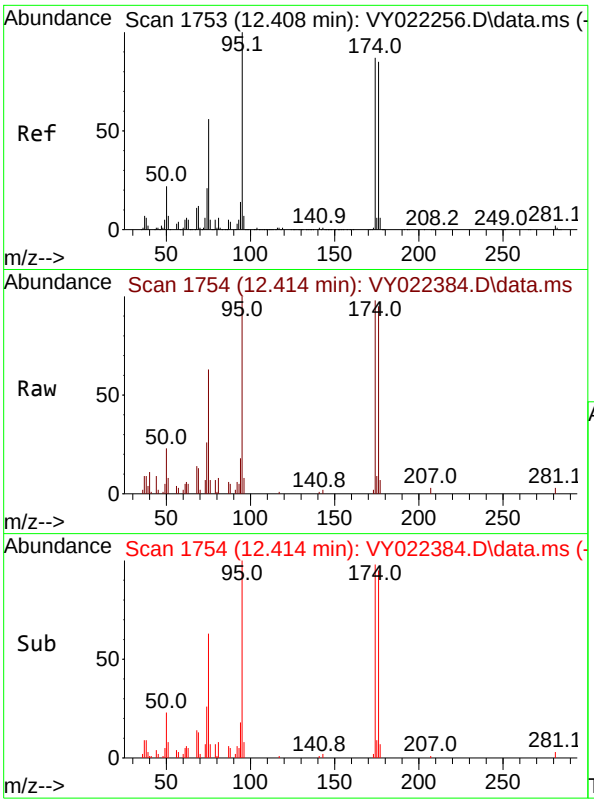


#59
2-Hexanone
Concen: 2.998 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 43 Resp: 462

Ion	Ratio	Lower	Upper
43	100		
58	37.2	26.1	78.3



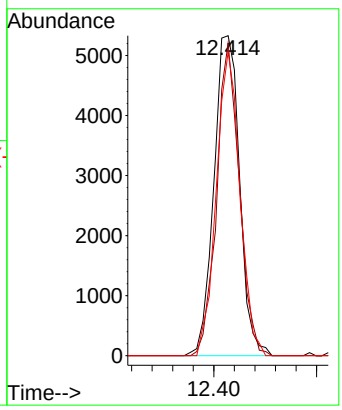


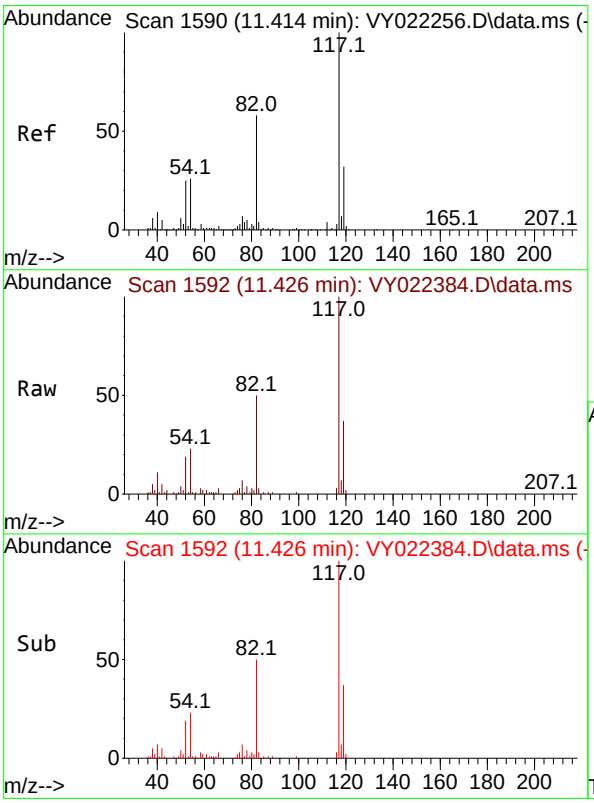
#62
4-Bromofluorobenzene
Concen: 26.252 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 95 Resp: 9237

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	166.8
176	87.3	0.0	160.8

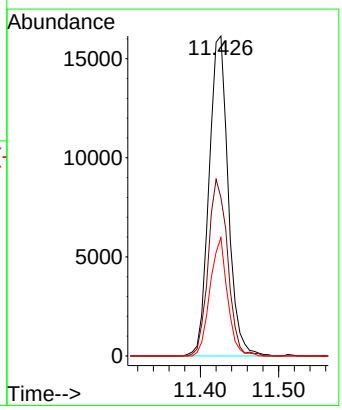


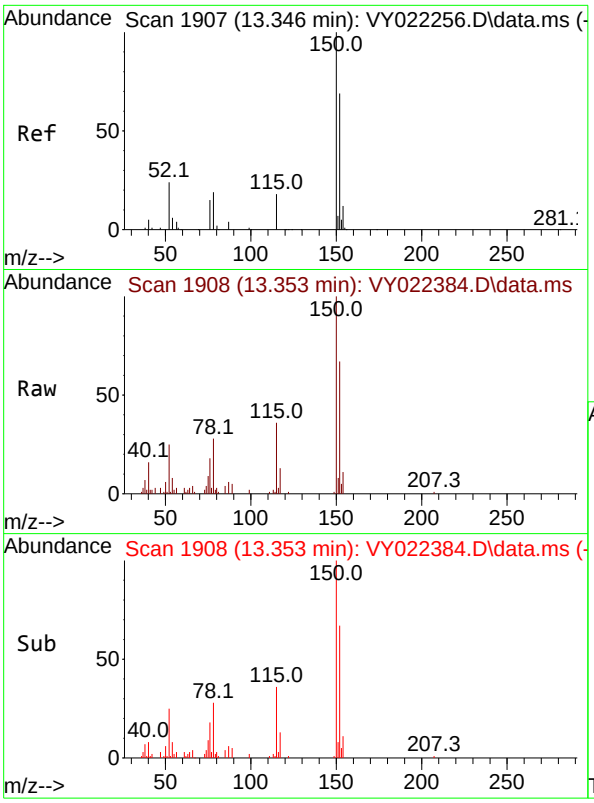


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:117 Resp: 27449

Ion	Ratio	Lower	Upper
117	100		
82	49.5	46.6	70.0
119	37.0	25.8	38.6



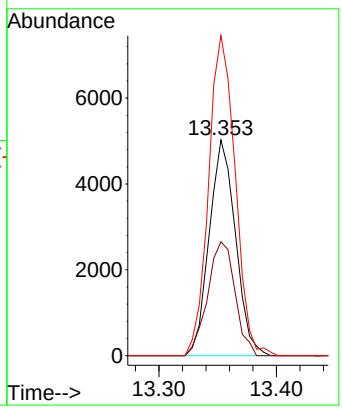


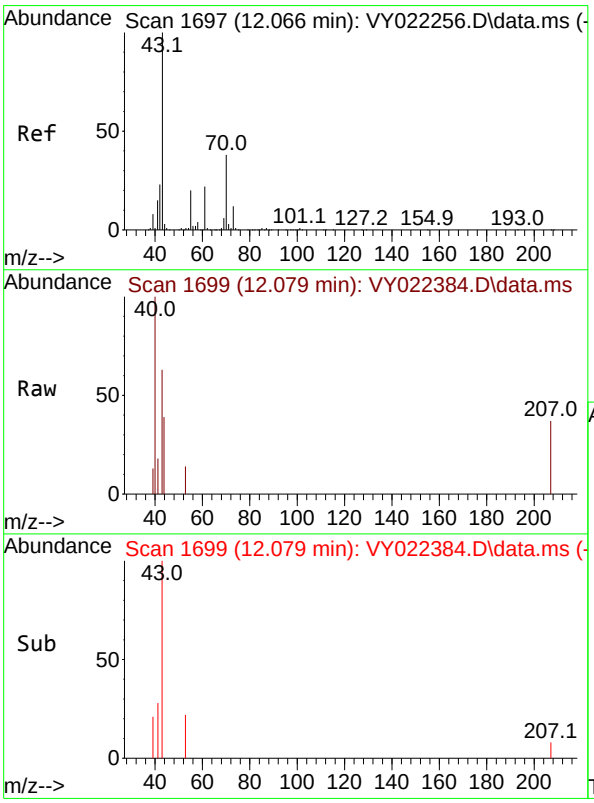
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:152 Resp: 7819

Ion	Ratio	Lower	Upper
152	100		
115	55.0	29.4	88.2
150	150.0	0.0	353.8

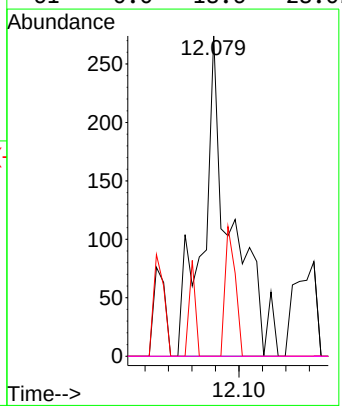


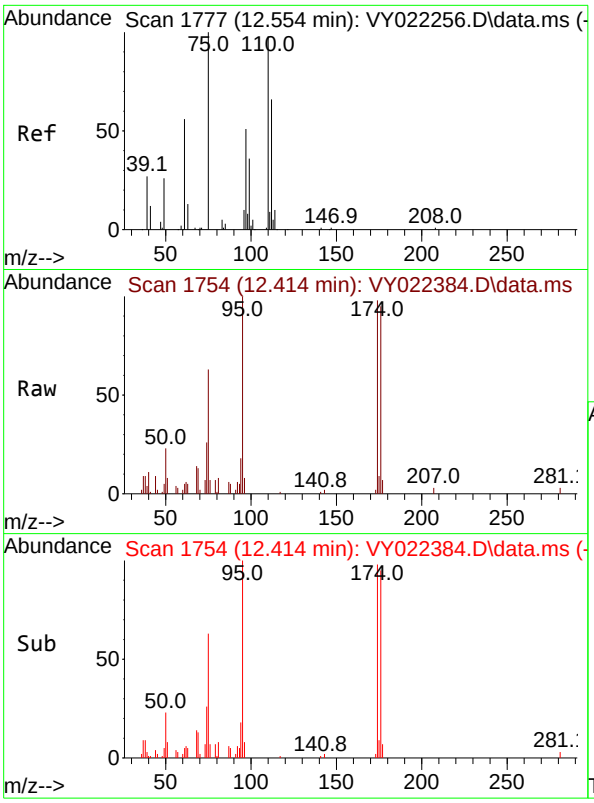


#74
N-amyl acetate
Concen: 2.472 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 43 Resp: 458

Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.4	47.0#
55	14.6	17.0	25.6#
61	0.0	18.6	28.0#



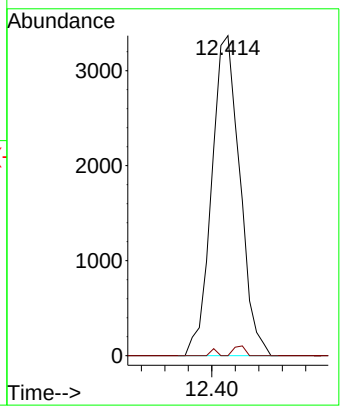


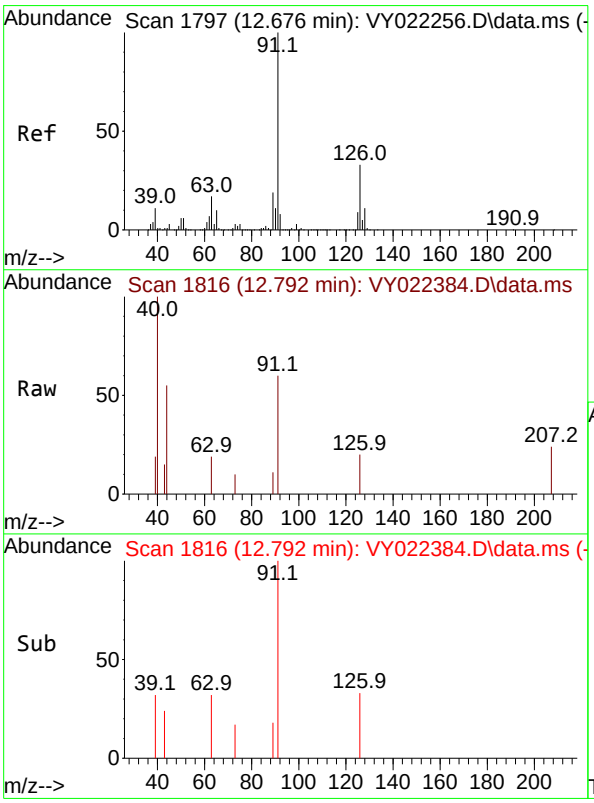
#76
1,2,3-Trichloropropane
Concen: 70.770 ug/l
RT: 12.414 min Scan# 1
Delta R.T. -0.140 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 75 Resp: 5606

Ion	Ratio	Lower	Upper
75	100		
77	0.5	0.0	0.0#

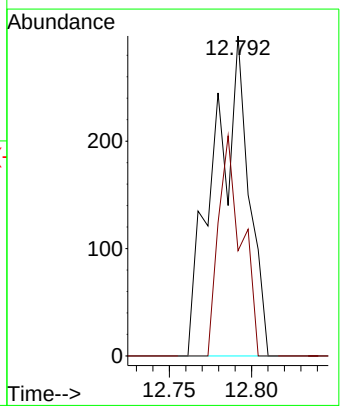


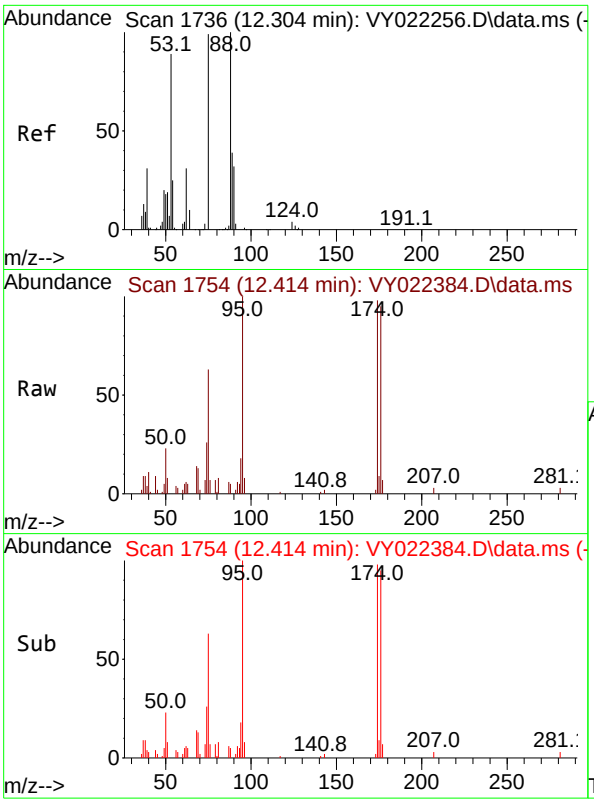


#79
2-Chlorotoluene
Concen: 1.013 ug/l
RT: 12.792 min Scan# 1816
Delta R.T. 0.116 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion: 91 Resp: 435

Ion	Ratio	Lower	Upper
91	100		
126	45.7	16.8	50.4



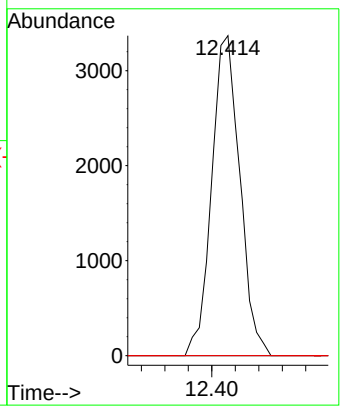


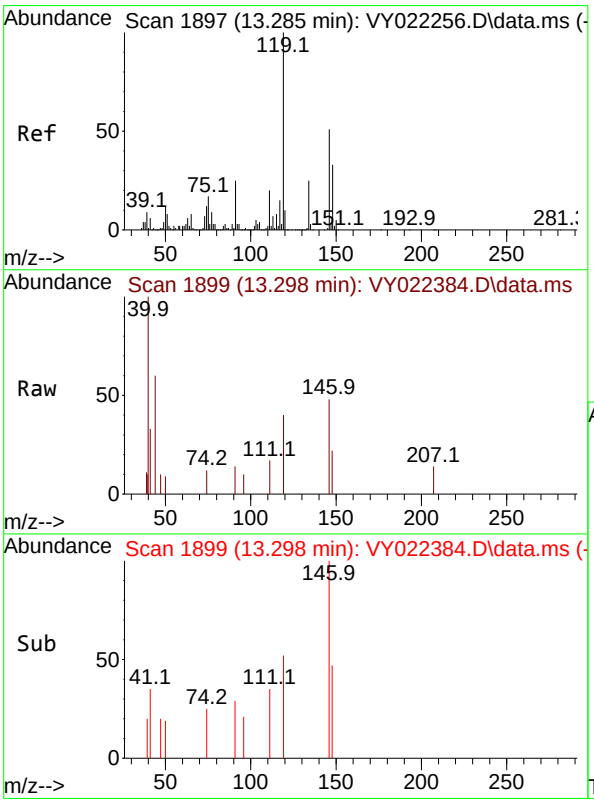
#81
trans-1,4-Dichloro-2-butene
Concen: 143.362 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.110 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion: 75 Resp: 5606

Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	36.2	54.2#

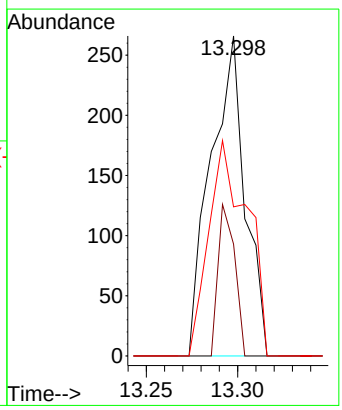


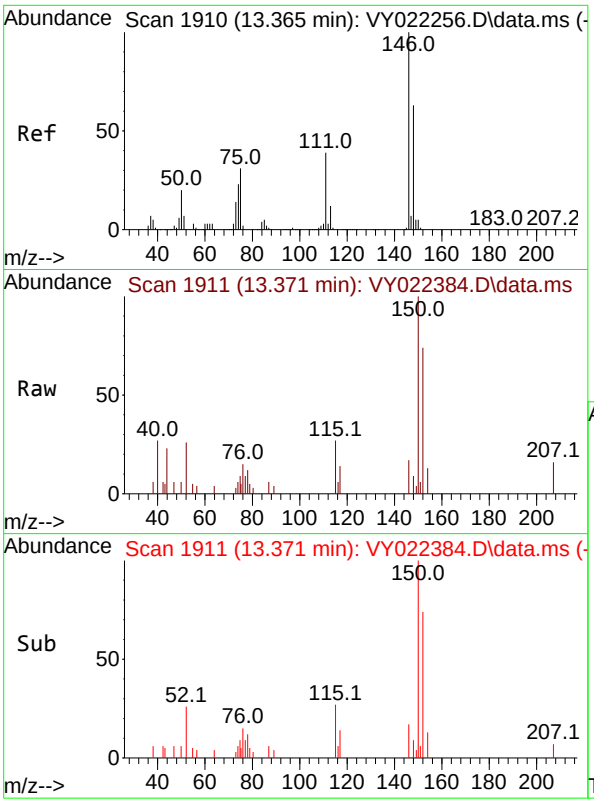


#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:146 Resp: 348

Ion	Ratio	Lower	Upper
146	100		
111	23.0	19.9	59.7
148	75.3	31.9	95.7



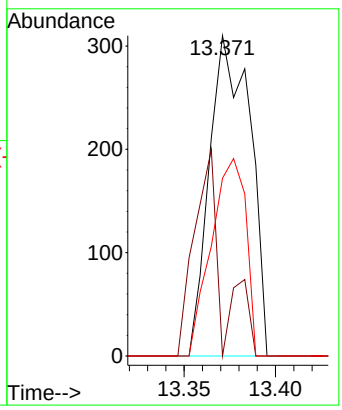


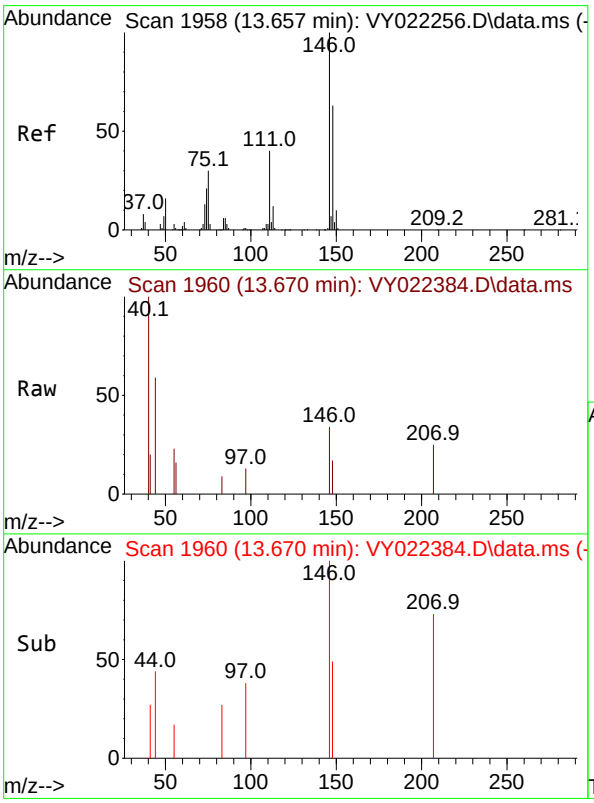
#88
1,4-Dichlorobenzene
Concen: 1.767 ug/l
RT: 13.371 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:146 Resp: 480

Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.0	59.9
148	52.5	32.1	96.5

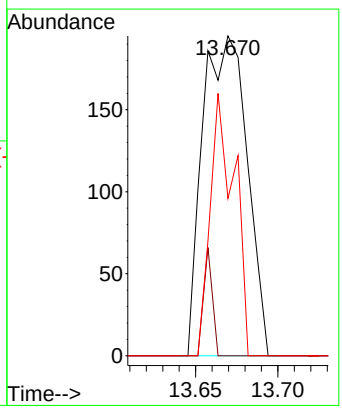


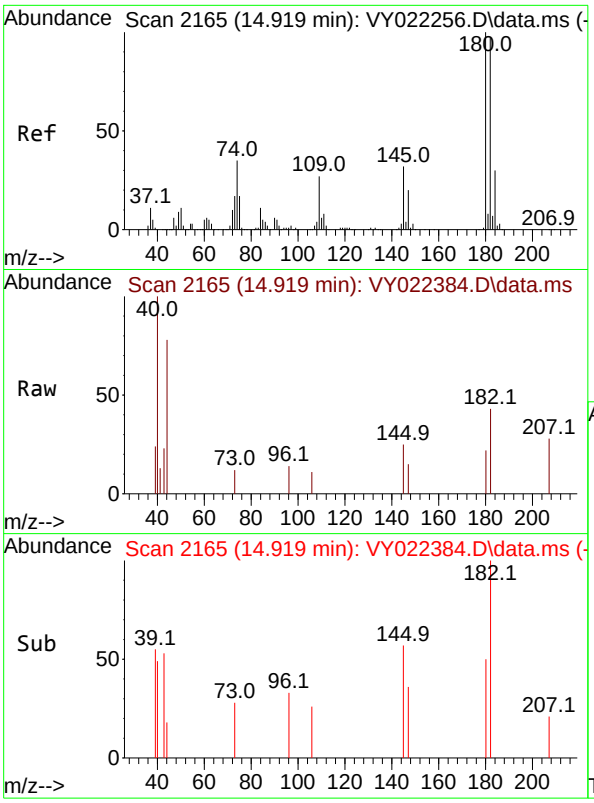


#91
1,2-Dichlorobenzene
Concen: 1.547 ug/l
RT: 13.670 min Scan# 1960
Delta R.T. 0.012 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:146 Resp: 367

Ion	Ratio	Lower	Upper
146	100		
111	6.5	20.5	61.5#
148	44.7	32.0	96.0



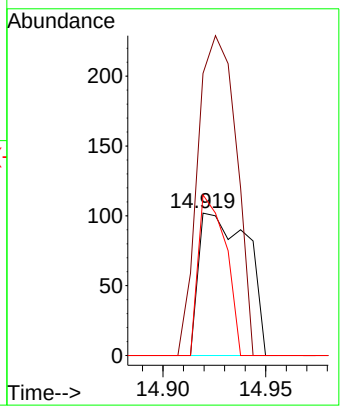


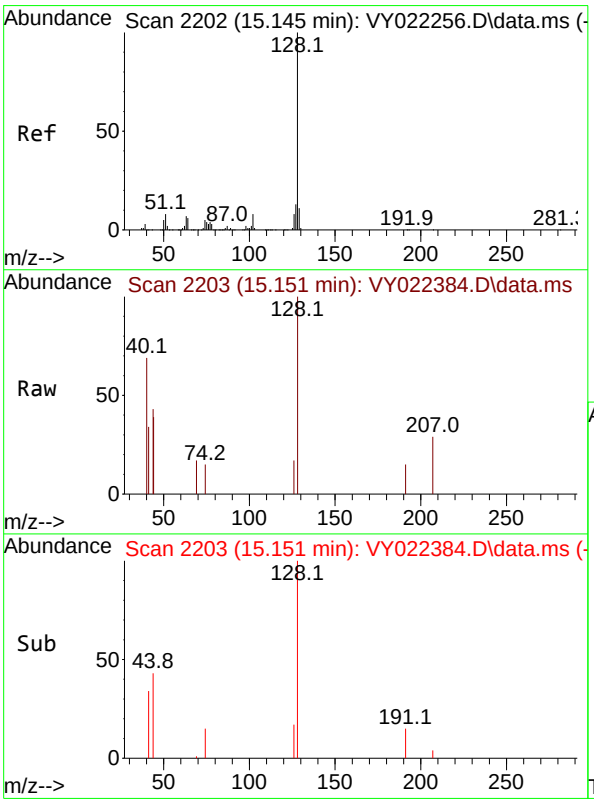
#93
1,2,4-Trichlorobenzene
Concen: 1.219 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:180 Resp: 167

Ion	Ratio	Lower	Upper
180	100		
182	179.6	48.0	144.0#
145	64.1	15.0	45.1#

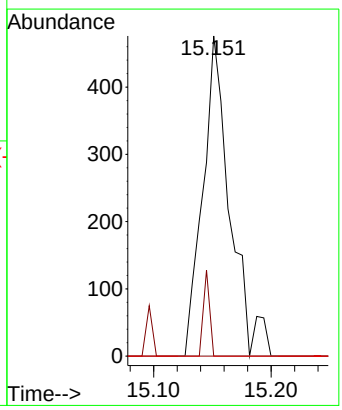


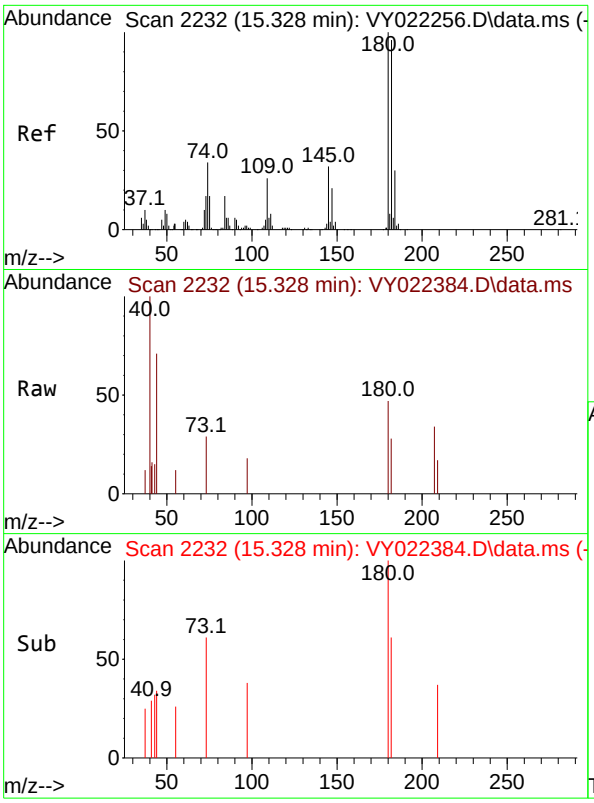


#95
Naphthalene
Concen: 2.946 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Tgt Ion:128 Resp: 766

Ion	Ratio	Lower	Upper
128	100		
127	6.1	10.2	15.2#
129	0.0	8.8	13.2#





#96
1,2,3-Trichlorobenzene
Concen: 2.047 ug/l
RT: 15.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022384.D
Acq: 22 May 2025 10:38

Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025RE

Tgt Ion:180 Resp: 238

Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.1	141.3
145	9.7	15.9	47.6#