Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
Data File : VY021508.D
Acq On : 12 Mar 2025 14:46
Operator : SY/MD
Sample : Q1542-02
Misc : 4.99g/5.4mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: Mar 13 01:37:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	6059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	9881	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	8090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5125	80.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.060%			
35) Dibromofluoromethane	7.634	113	3631	55.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.820%			
50) Toluene-d8	10.103	98	11102	45.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.300%			
62) 4-Bromofluorobenzene	12.402	95	2281	27.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 54.540%			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	657	8.381	ug/l	93
4) Vinyl Chloride	2.196	62	150	1.751	ug/l #	42
5) Bromomethane	2.617	94	569	9.190	ug/l #	70
10) Methyl Iodide	4.019	142	856	12.335	ug/l #	83
13) Acrolein	3.574	56	19	5.833	ug/l #	10
15) Acrylonitrile	5.330	53	19	1.347	ug/l #	17
16) Acetone	3.873	43	112	8.018	ug/l #	47
18) Methyl Acetate	4.360	43	41	1.323	ug/l #	51
20) Methylene Chloride	4.610	84	231	3.151	ug/l #	49
25) 2-Butanone	6.988	43	22	1.139	ug/l #	48
29) Tetrahydrofuran	7.262	42	29	2.431	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	552	5.430	ug/l #	41
38) Carbon Tetrachloride	7.713	117	646	5.525	ug/l #	12
48) Methyl methacrylate	9.286	41	86	2.147	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.469	63	42	1.375	ug/l #	47
74) N-amyl acetate	12.072	43	78	3.397	ug/l #	42
76) 1,2,3-Trichloropropane	12.408	75	1084	80.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	1084	182.226	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.346	75	39	13.956	ug/l #	1
95) Naphthalene	15.151	128	71	3.396	ug/l #	69

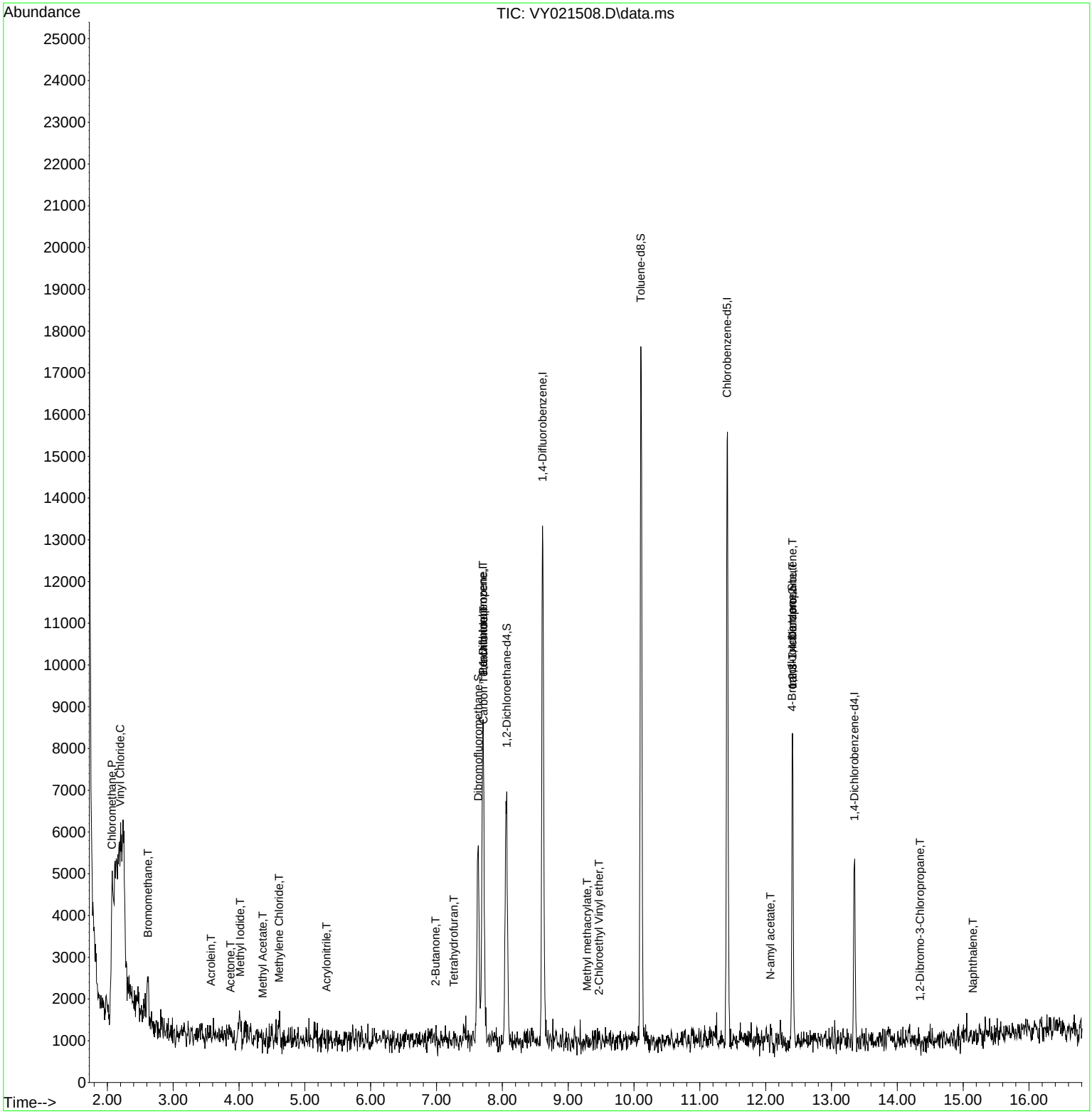
(#) = qualifier out of range (m) = manual integration (+) = signals summed

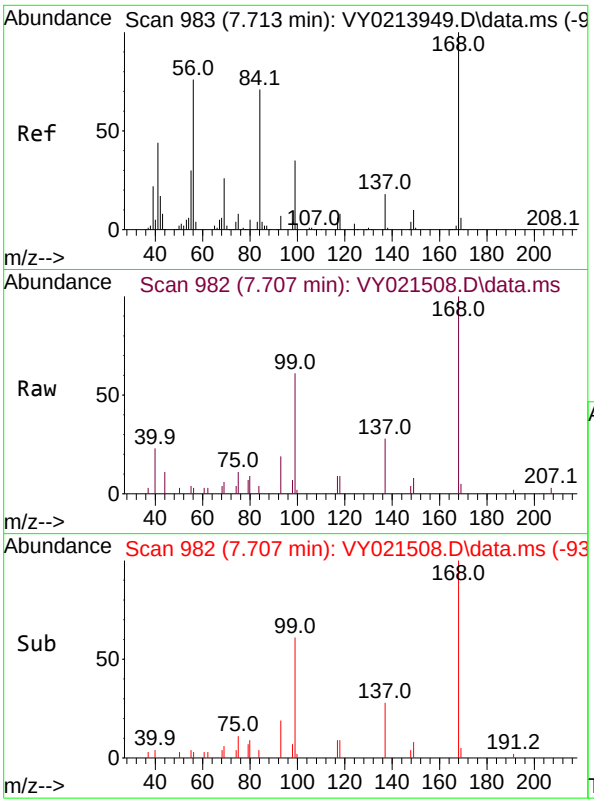
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
Data File : VY021508.D
Acq On : 12 Mar 2025 14:46
Operator : SY/MD
Sample : Q1542-02
Misc : 4.99g/5.4mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Quant Time: Mar 13 01:37:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



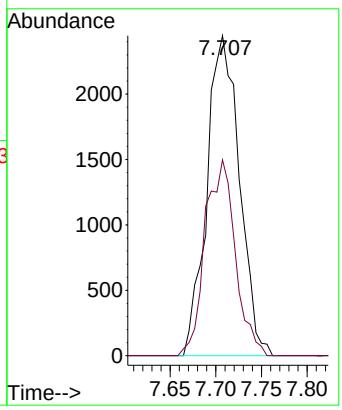


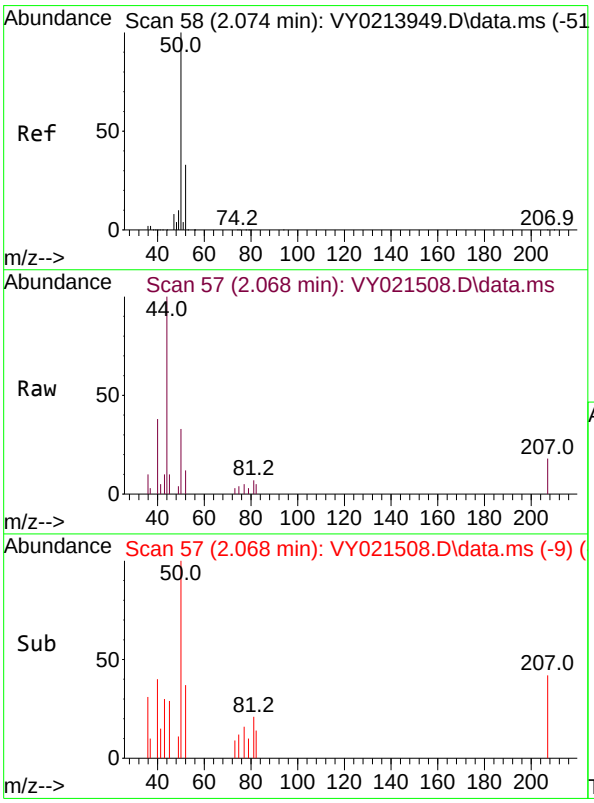
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 6059

Ion	Ratio	Lower	Upper
168	100		
99	61.2	46.0	69.0

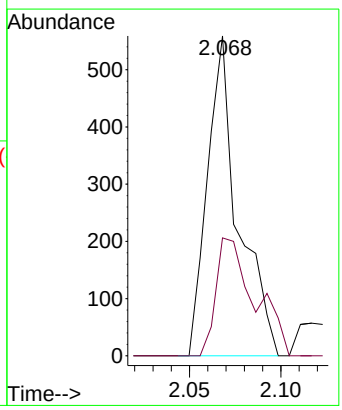


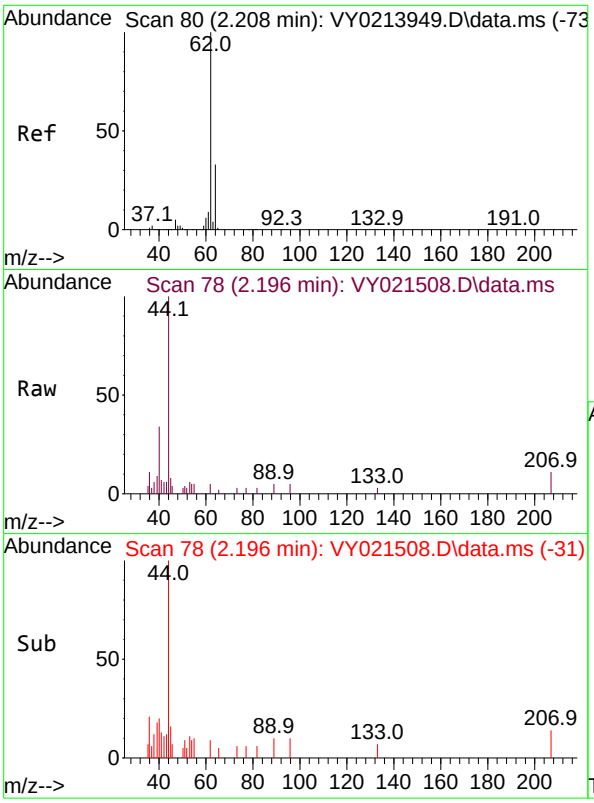


#3
Chloromethane
Concen: 8.381 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 50 Resp: 657

Ion	Ratio	Lower	Upper
50	100		
52	36.9	26.2	39.2



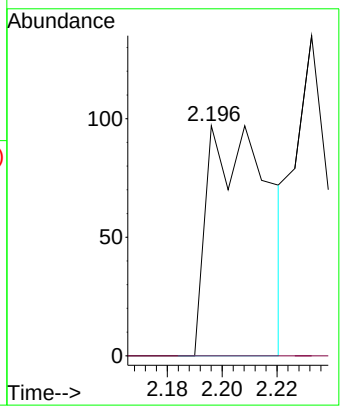


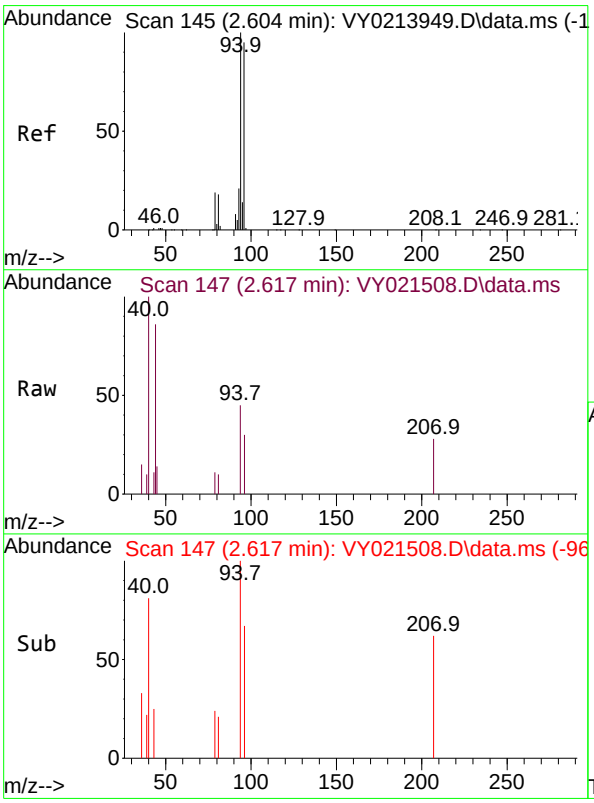
#4
Vinyl Chloride
Concen: 1.751 ug/l
RT: 2.196 min Scan# 7
Delta R.T. -0.012 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 62 Resp: 150

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.2	39.2#

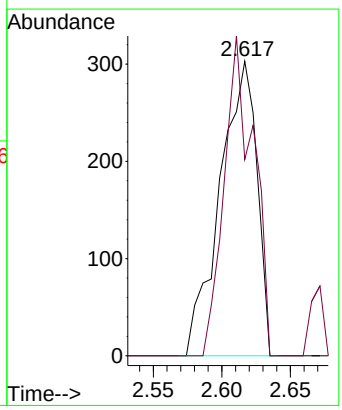


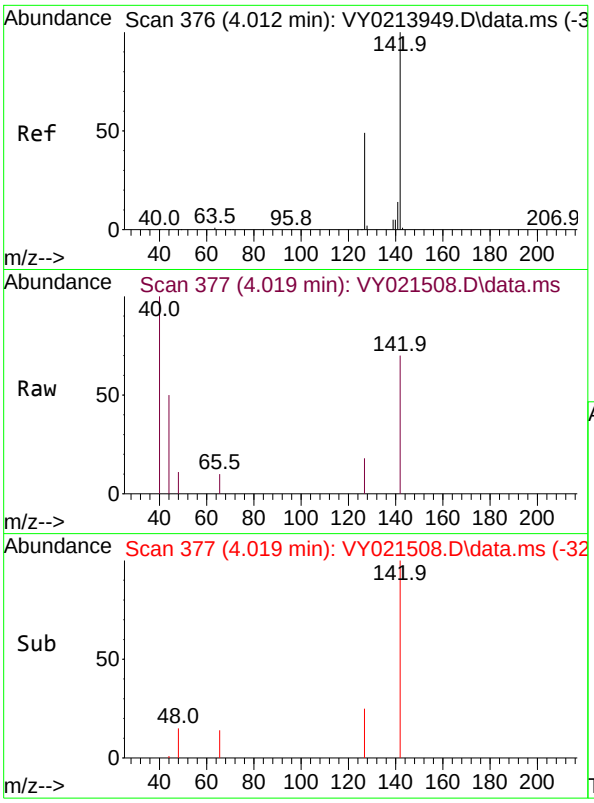


#5
Bromomethane
Concen: 9.190 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.013 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 94 Resp: 569

Ion	Ratio	Lower	Upper
94	100		
96	66.7	76.3	114.5#



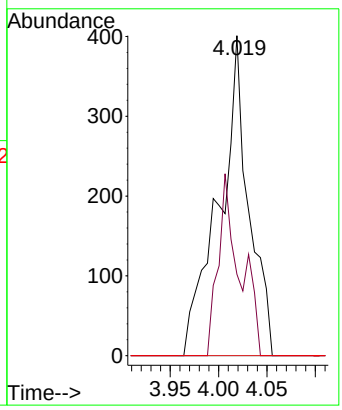


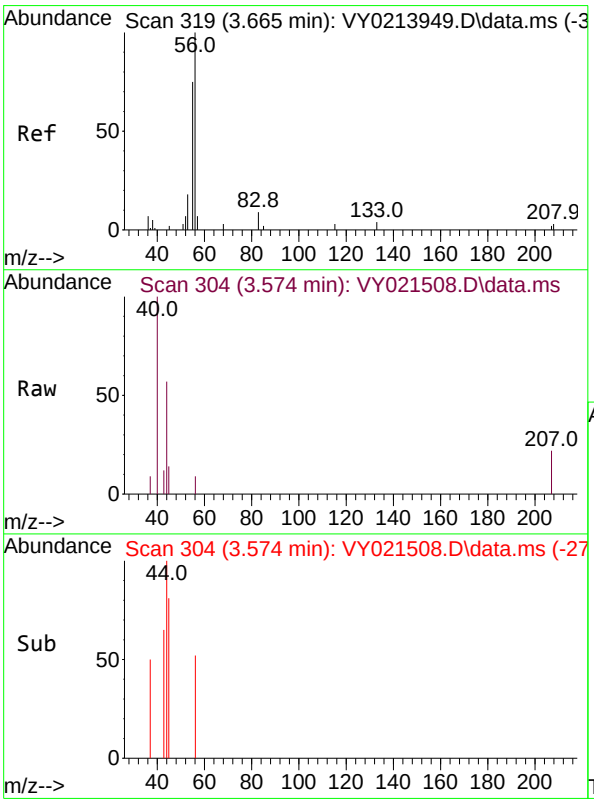
#10
Methyl Iodide
Concen: 12.335 ug/l
RT: 4.019 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:142 Resp: 856

Ion	Ratio	Lower	Upper
142	100		
127	41.2	39.1	58.7
141	0.0	11.8	17.6#

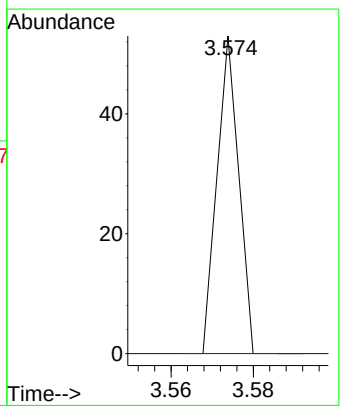


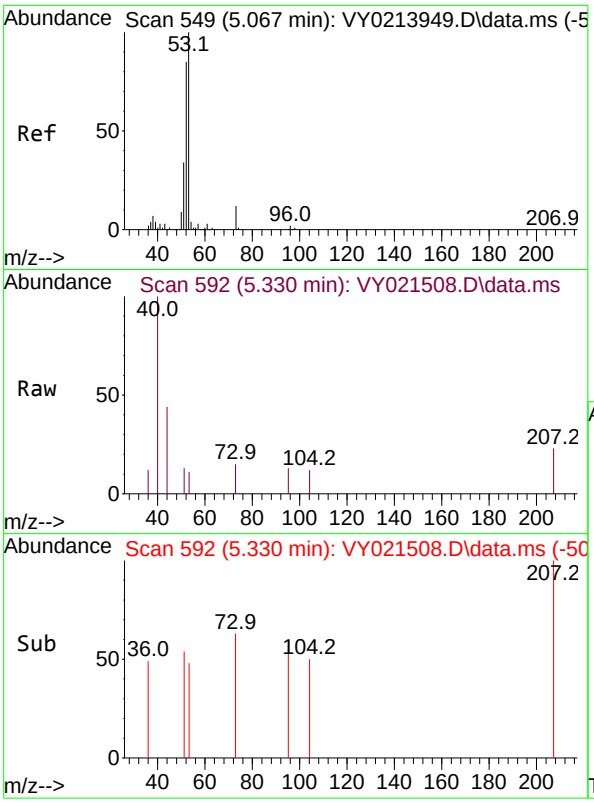


#13
Acrolein
Concen: 5.833 ug/l
RT: 3.574 min Scan# 304
Delta R.T. -0.091 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 56 Resp: 19

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#



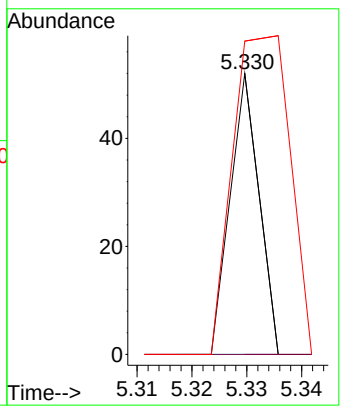


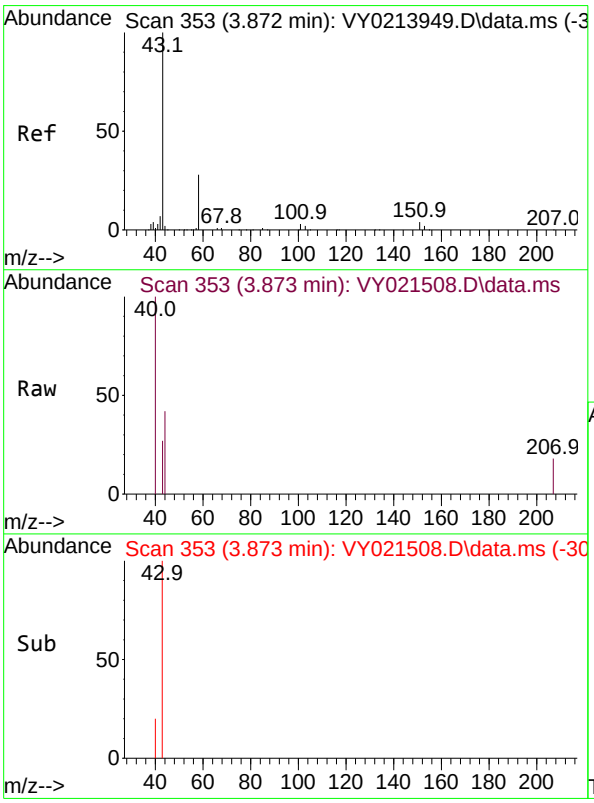
#15
Acrylonitrile
Concen: 1.347 ug/l
RT: 5.330 min Scan# 5
Delta R.T. 0.263 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 53 Resp: 19

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.3	99.5#
51	0.0	30.3	45.5#

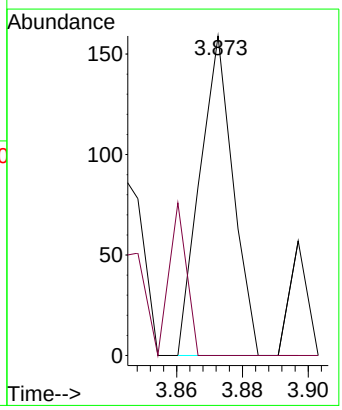


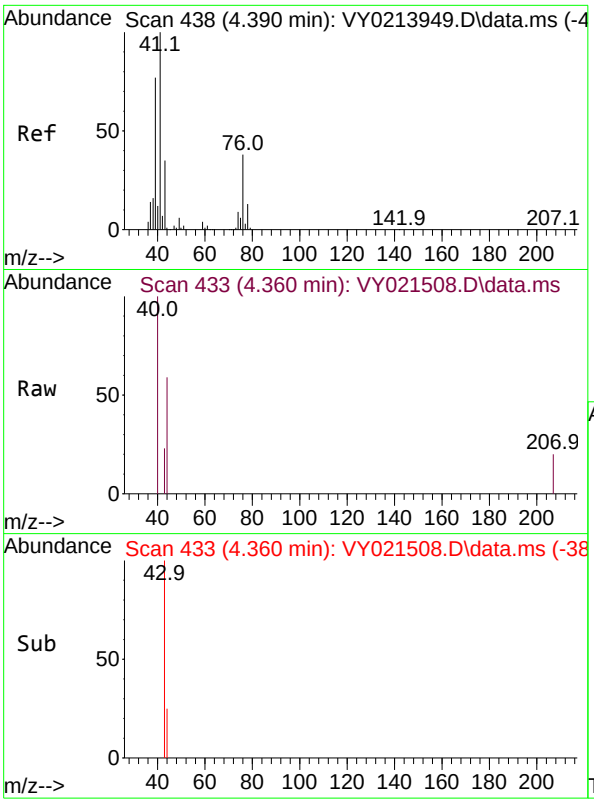


#16
Acetone
Concen: 8.018 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 43 Resp: 112

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#



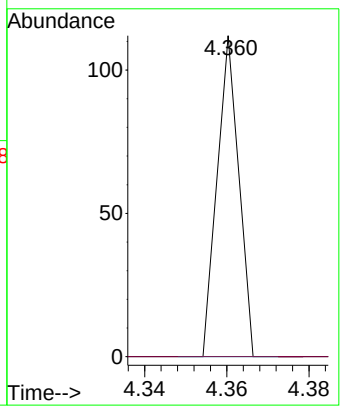


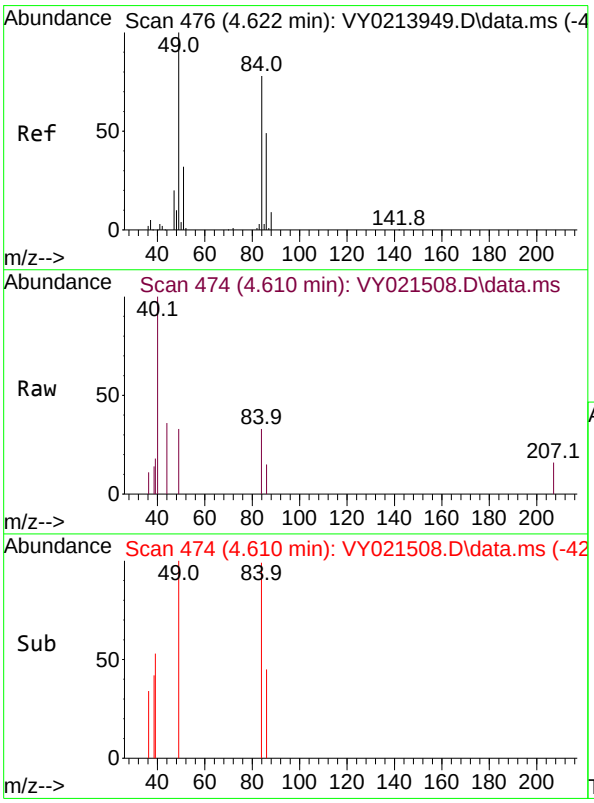
#18
Methyl Acetate
Concen: 1.323 ug/l
RT: 4.360 min Scan# 4
Delta R.T. -0.030 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 43 Resp: 41

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#

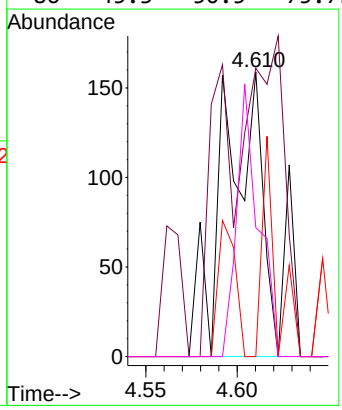


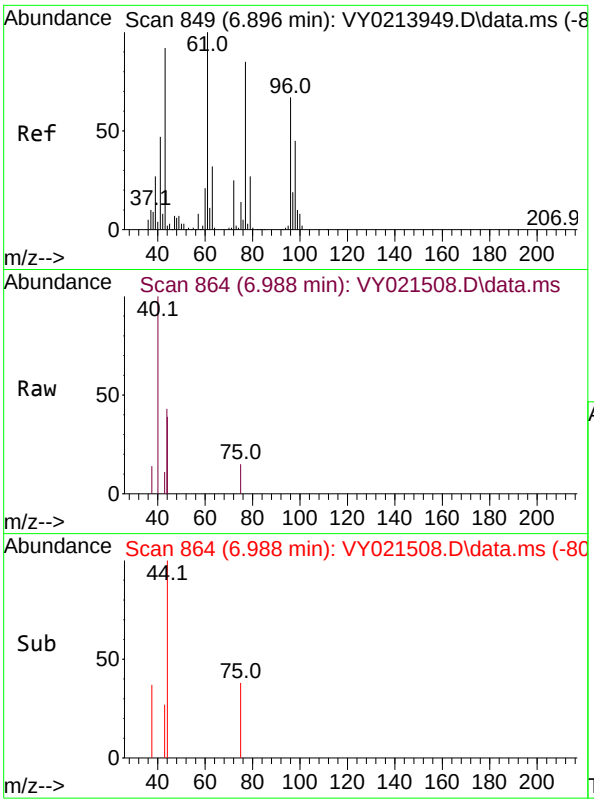


#20
Methylene Chloride
Concen: 3.151 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 84 Resp: 231

Ion	Ratio	Lower	Upper
84	100		
49	58.5	102.0	153.0#
51	0.0	33.0	49.6#
86	45.3	50.5	75.7#



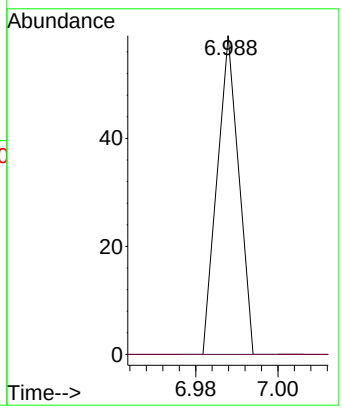


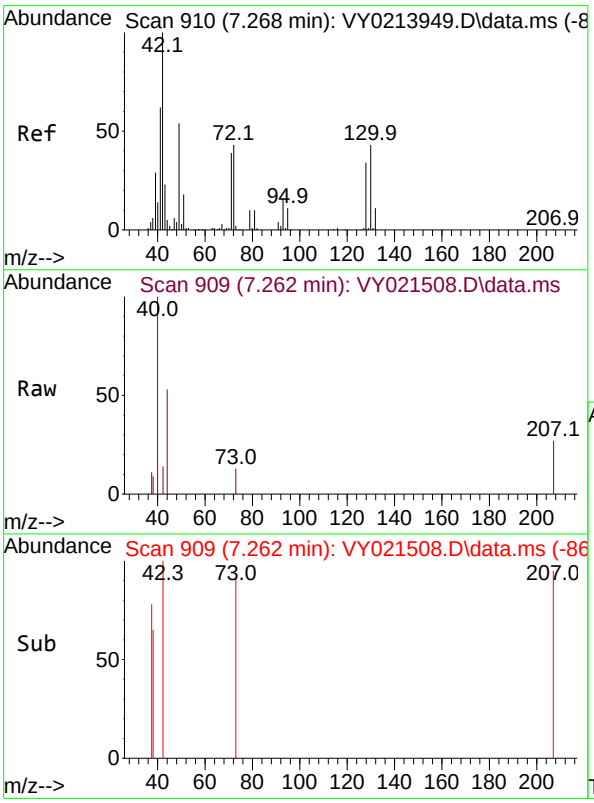
#25
2-Butanone
Concen: 1.139 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.092 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

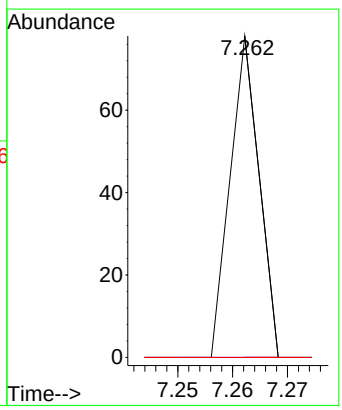


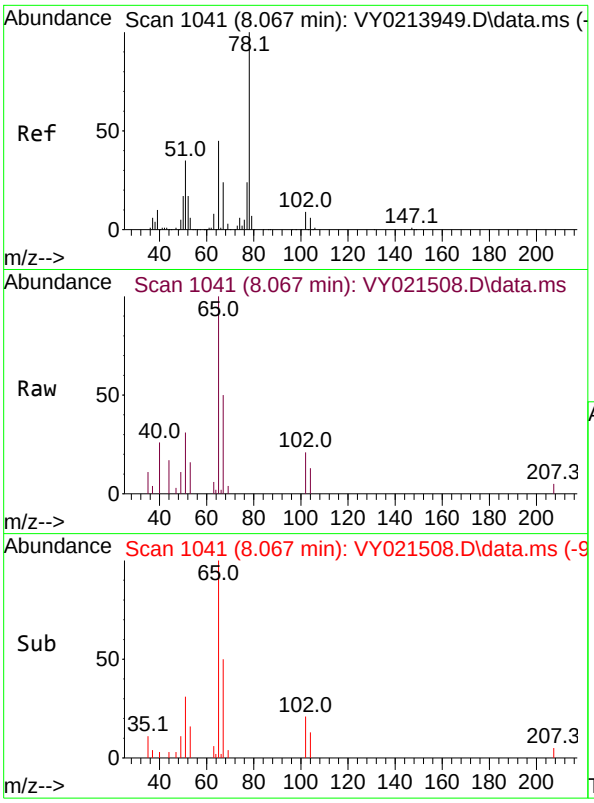


#29
Tetrahydrofuran
Concen: 2.431 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 42 Resp: 29

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.6	48.8#



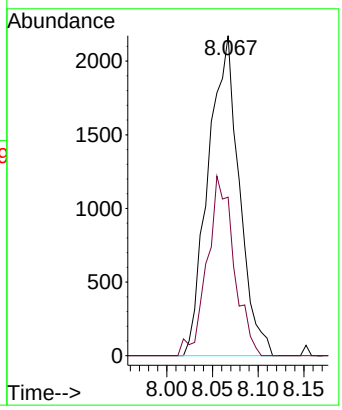


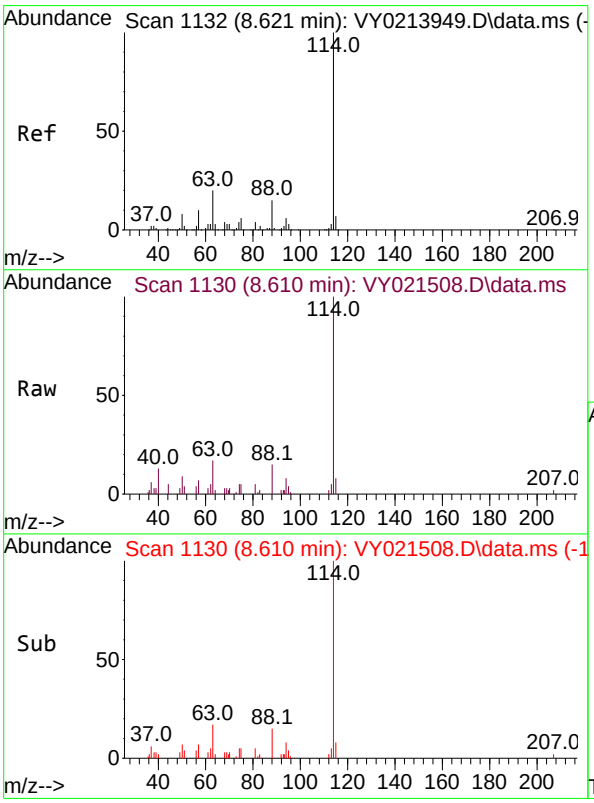
#33
1,2-Dichloroethane-d4
Concen: 80.028 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 65 Resp: 5125

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	102.8

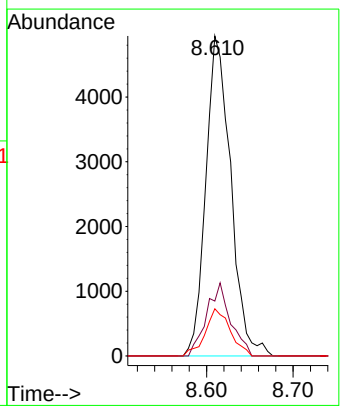


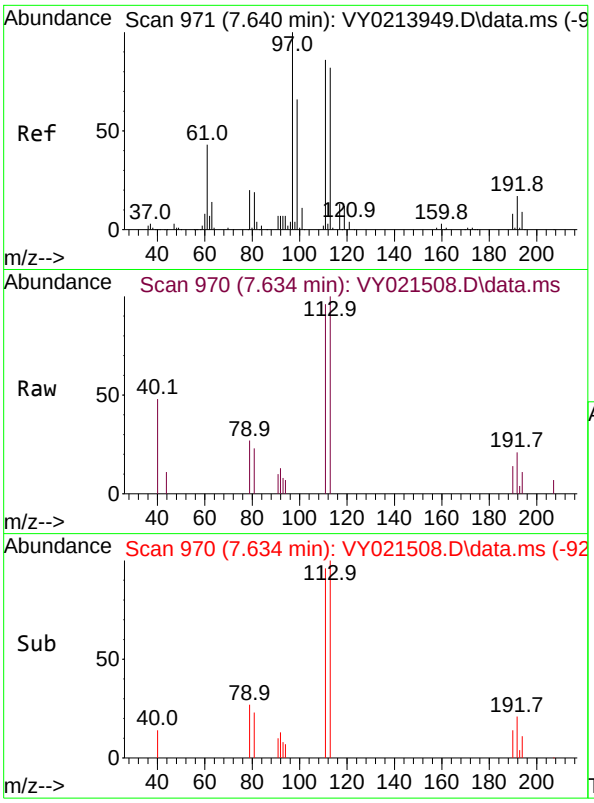


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion:114 Resp: 9881

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	40.8
88	14.8	0.0	30.8



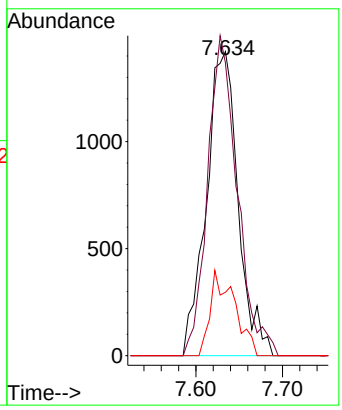


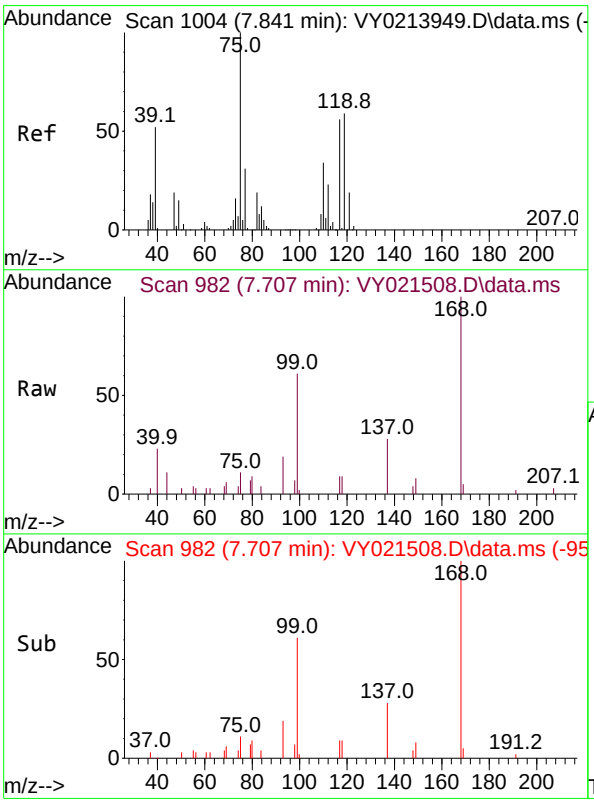
#35
Dibromofluoromethane
Concen: 55.905 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:113 Resp: 3631

Ion	Ratio	Lower	Upper
113	100		
111	97.9	82.0	123.0
192	21.4	15.9	23.9

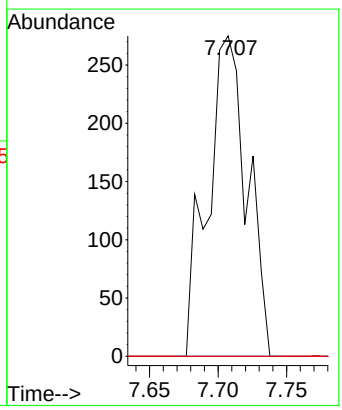


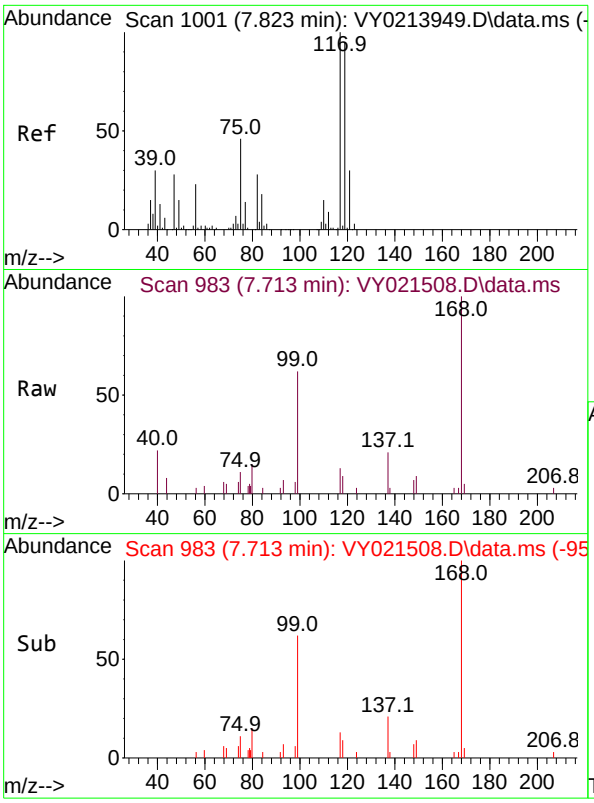


#36
1,1-Dichloropropene
Concen: 5.430 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 75 Resp: 552

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	51.7#
77	0.0	25.4	38.2#



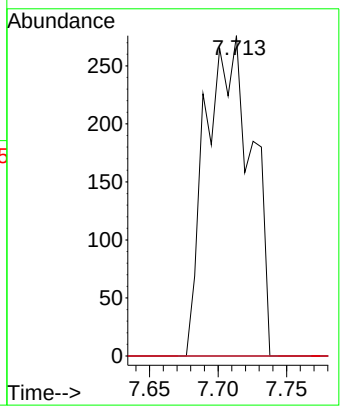


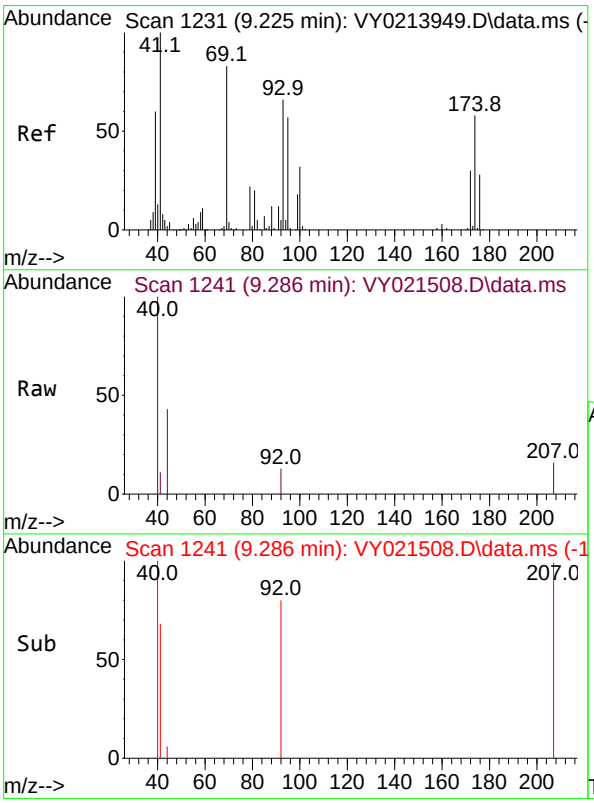
#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.109 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 646

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	23.9	35.9#

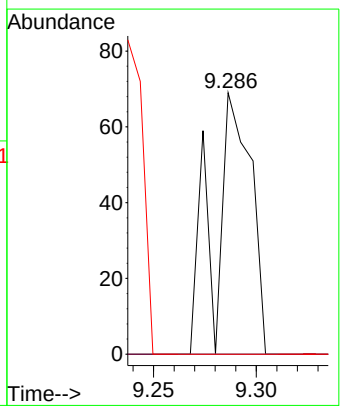


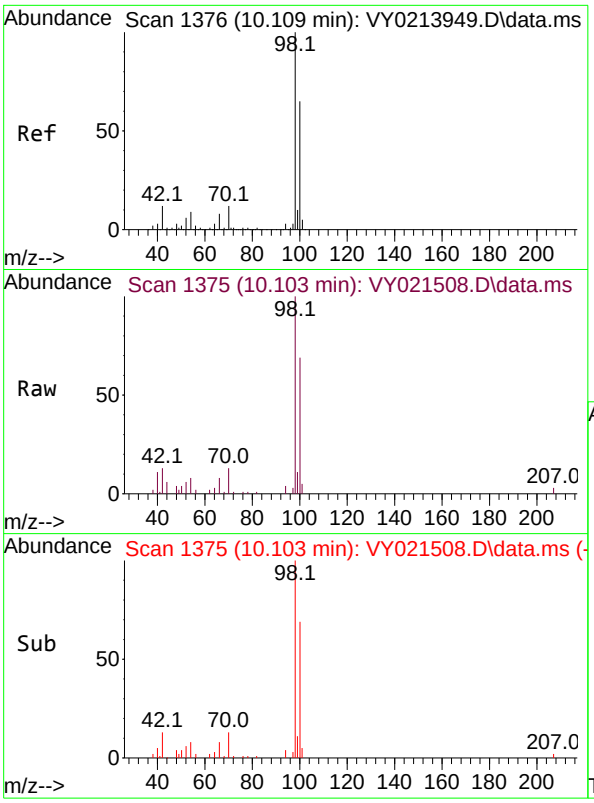


#48
Methyl methacrylate
Concen: 2.147 ug/l
RT: 9.286 min Scan# 1241
Delta R.T. 0.061 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 41 Resp: 86

Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.8#
39	0.0	46.4	69.6#



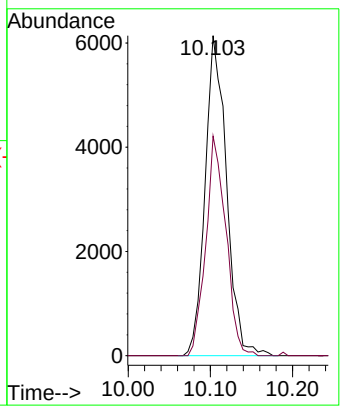


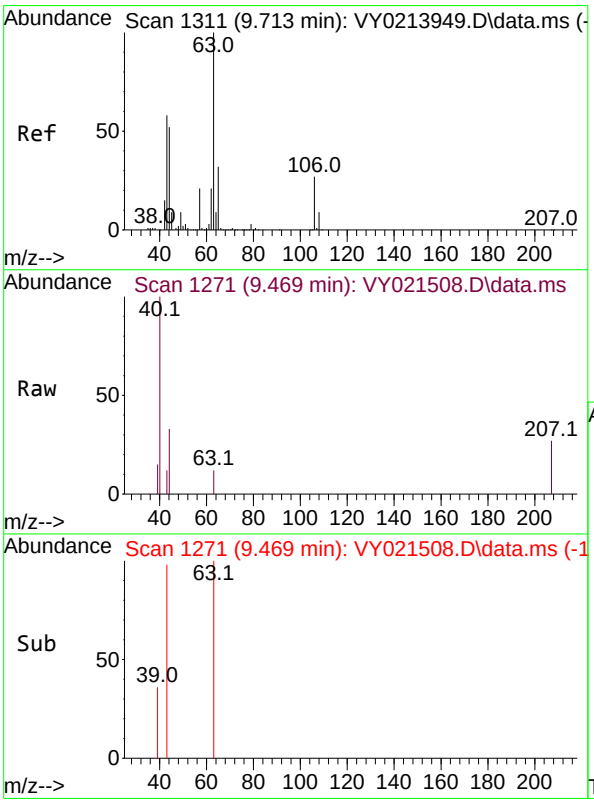
#50
Toluene-d8
Concen: 45.145 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 98 Resp: 11102

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

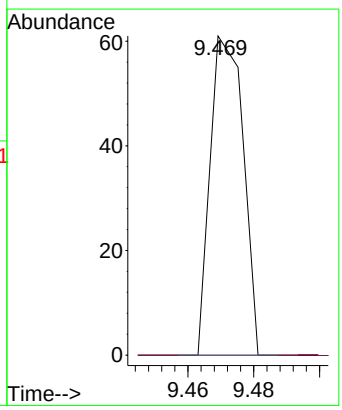


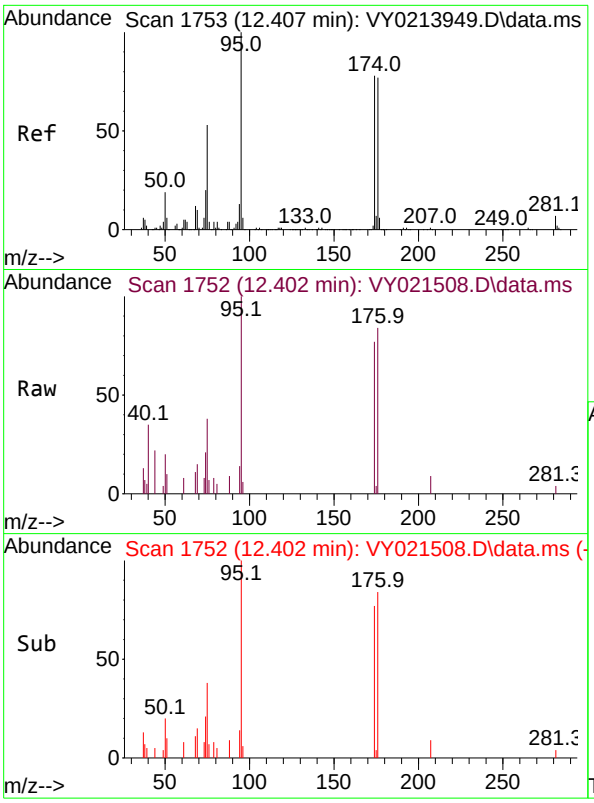


#58
2-Chloroethyl Vinyl ether
Concen: 1.375 ug/l
RT: 9.469 min Scan# 1271
Delta R.T. -0.244 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 63 Resp: 42

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.1	33.1#



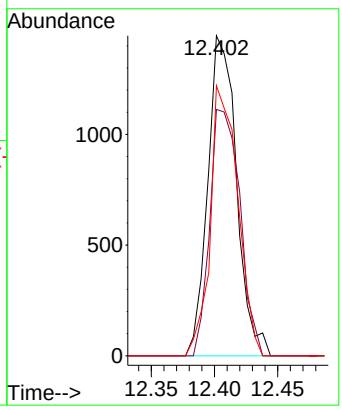


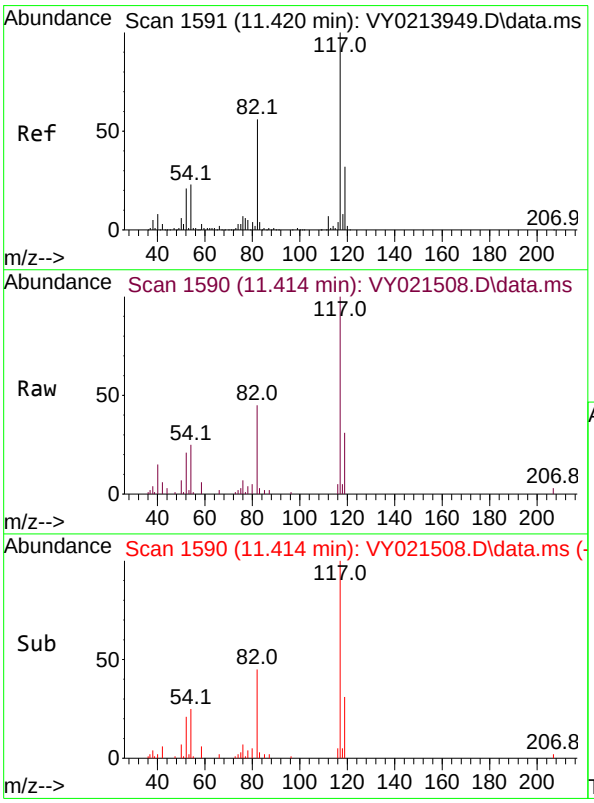
#62
4-Bromofluorobenzene
Concen: 27.268 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 95 Resp: 2281

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	165.0
176	80.4	0.0	160.0

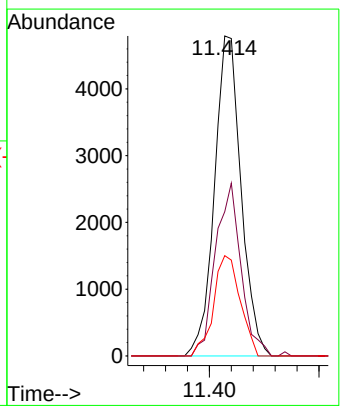


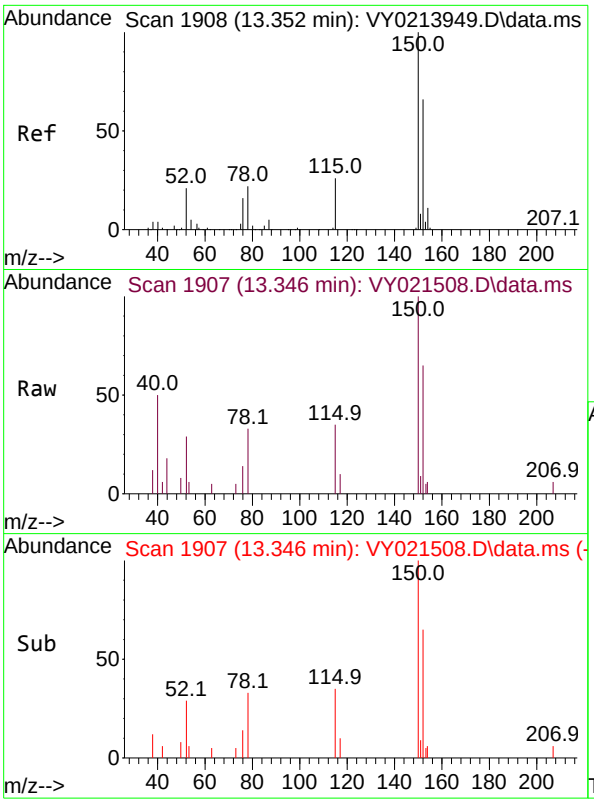


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion:117 Resp: 8090

Ion	Ratio	Lower	Upper
117	100		
82	45.1	44.6	67.0
119	31.3	25.4	38.0



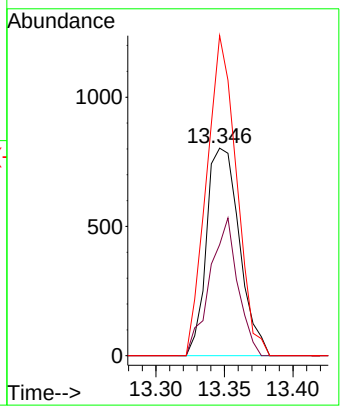


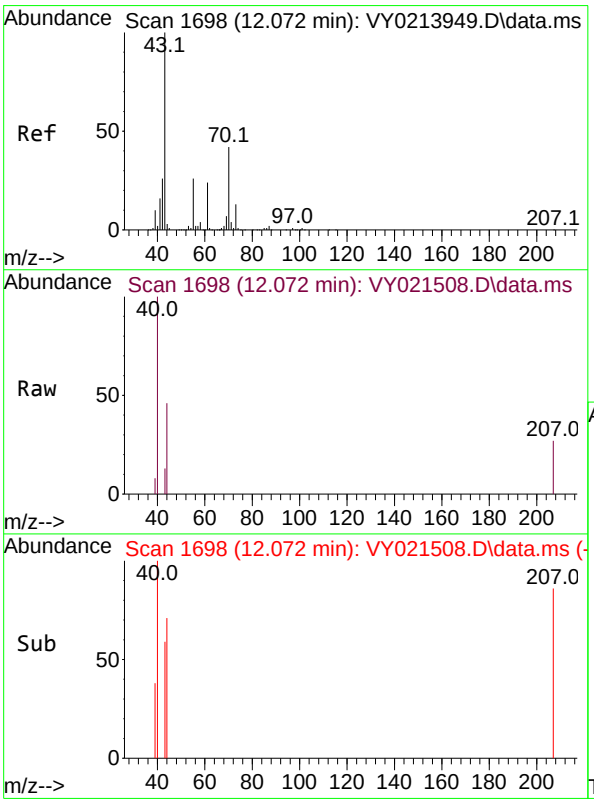
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:152 Resp: 1342

Ion	Ratio	Lower	Upper
152	100		
115	56.3	29.0	87.0
150	140.6	0.0	347.2

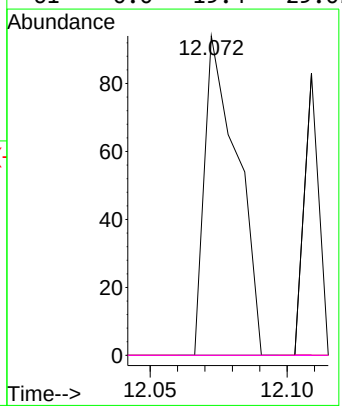


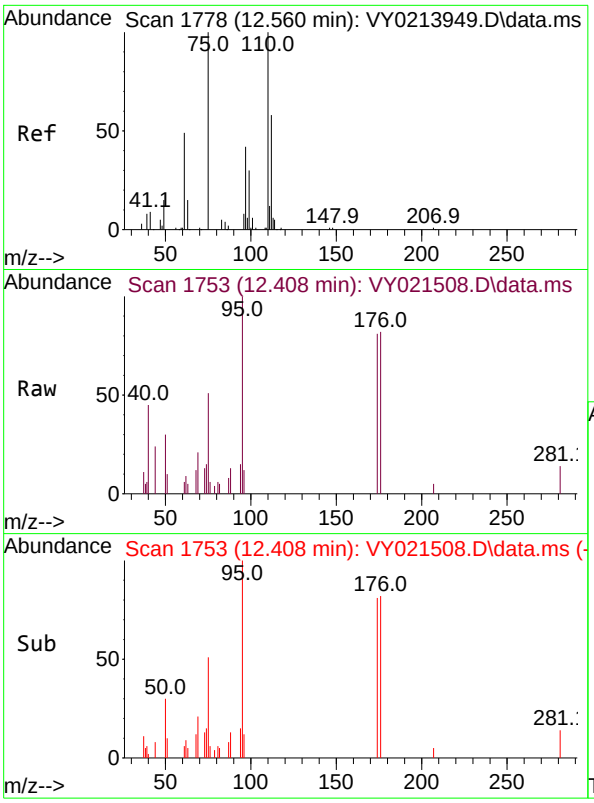


#74
N-amyl acetate
Concen: 3.397 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 43 Resp: 78

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.6	51.8#
55	0.0	21.1	31.7#
61	0.0	19.4	29.0#



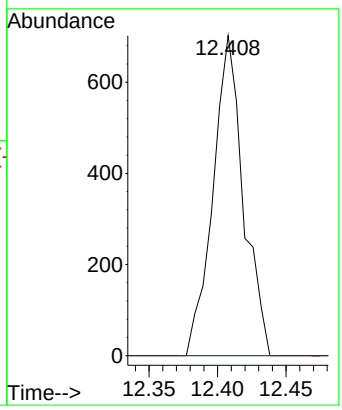


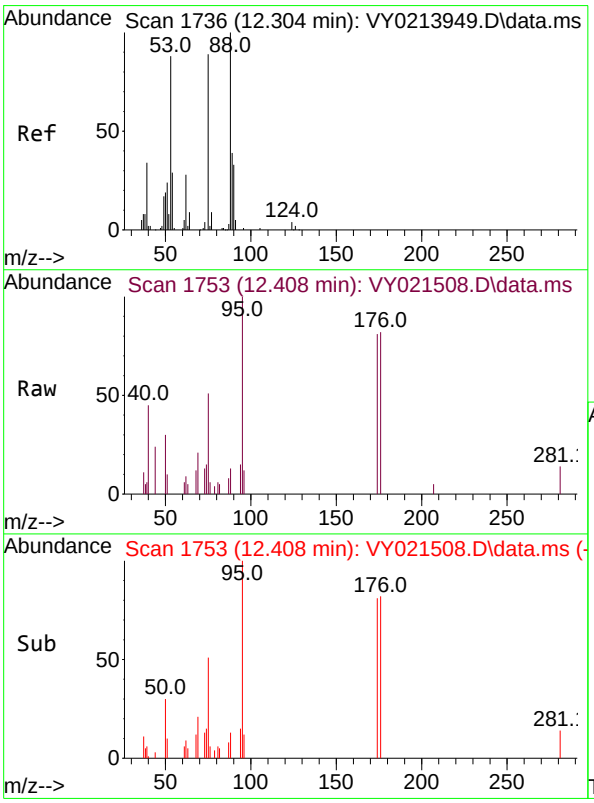
#76
1,2,3-Trichloropropane
Concen: 80.159 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 1084

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

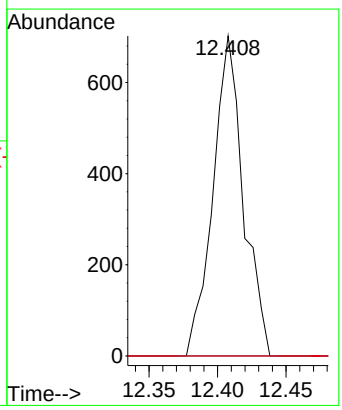


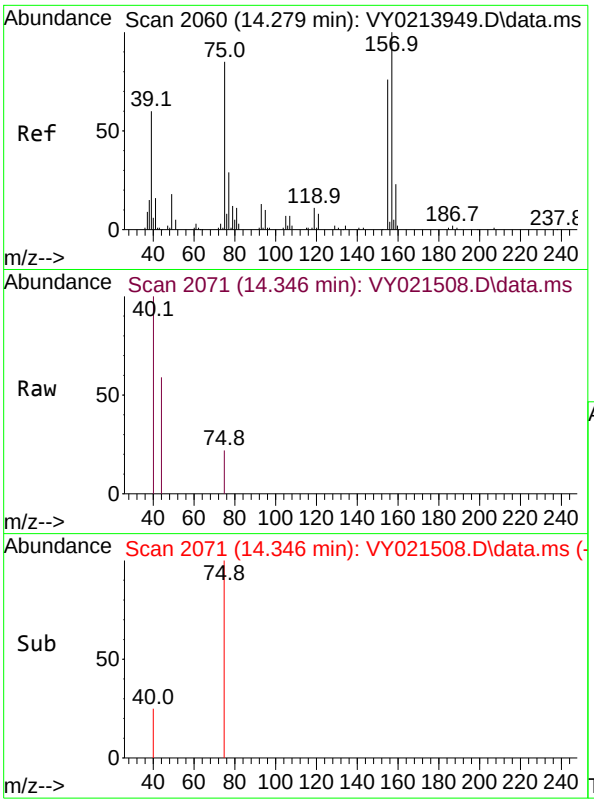


#81
trans-1,4-Dichloro-2-butene
Concen: 182.226 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion: 75 Resp: 1084

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.0	36.9	55.3#



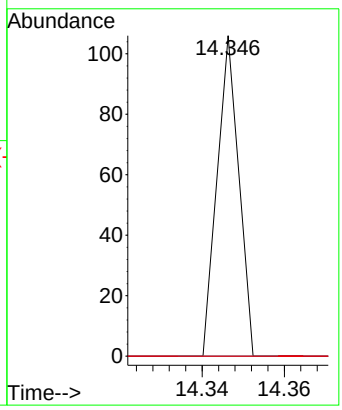


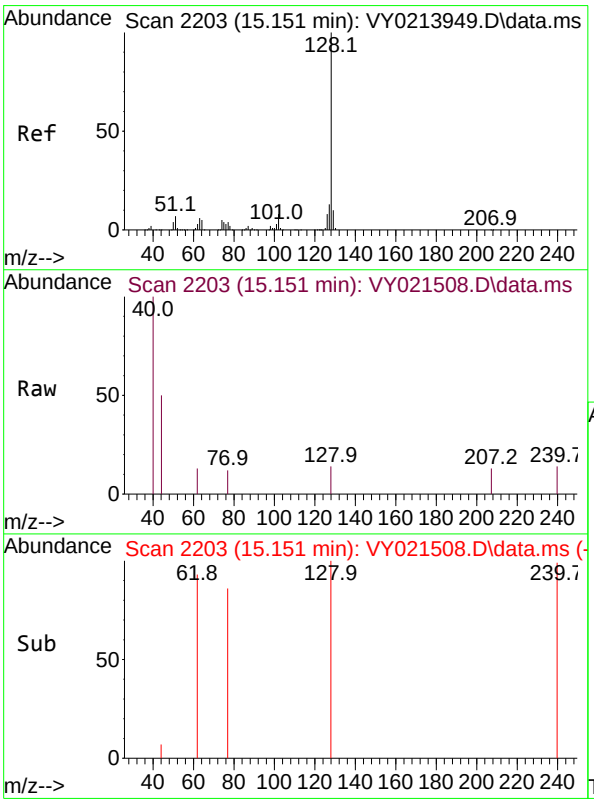
#92
1,2-Dibromo-3-Chloropropane
Concen: 13.956 ug/l
RT: 14.346 min Scan# 2(
Delta R.T. 0.067 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 39

Ion	Ratio	Lower	Upper
75	100		
155	0.0	43.5	130.5#
157	0.0	54.4	163.2#





#95
Naphthalene
Concen: 3.396 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY021508.D
Acq: 12 Mar 2025 14:46

Tgt Ion:128 Resp: 71

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#