Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021551.D
Acq On : 17 Mar 2025 15:32
Operator : SY/MD
Sample : Q1581-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 18 01:27:33 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	3642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	5971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2950	76.636	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.280%			
35) Dibromofluoromethane	7.622	113	2086	53.149	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.300%			
50) Toluene-d8	10.109	98	6537	43.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.980%			
62) 4-Bromofluorobenzene	12.408	95	771	15.252	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 30.500%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	281	5.964	ug/l #	49
4) Vinyl Chloride	2.239	62	66	1.282	ug/l #	42
5) Bromomethane	2.598	94	184	4.944	ug/l #	77
10) Methyl Iodide	4.031	142	535	12.826	ug/l #	67
13) Acrolein	3.482	56	40	20.430	ug/l #	10
16) Acetone	3.879	43	57	6.789	ug/l #	47
18) Methyl Acetate	4.342	43	41	2.201	ug/l #	51
20) Methylene Chloride	4.610	84	58	1.316	ug/l #	51
25) 2-Butanone	6.921	43	28	2.411	ug/l #	48
28) Bromochloromethane	7.433	49	34	1.055	ug/l #	14
29) Tetrahydrofuran	7.268	42	44	6.137	ug/l #	33
31) Cyclohexane	7.701	56	76	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.695	75	328	5.339	ug/l #	41
37) Ethyl Acetate	7.043	43	48	1.768	ug/l #	68
38) Carbon Tetrachloride	7.707	117	433	6.128	ug/l #	12
41) Methacrylonitrile	7.213	41	20	1.353	ug/l #	12
48) Methyl methacrylate	9.195	41	79	3.264	ug/l #	13
59) 2-Hexanone	10.743	43	28	1.557	ug/l #	24
68) m/p-Xylenes	11.627	106	128	2.053	ug/l #	42
73) Isopropylbenzene	12.267	105	95	2.417	ug/l #	49
74) N-amyl acetate	12.048	43	20	2.343	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.749	83	43	6.199	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	471	93.669	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	173	5.416	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.408	75	471	212.939	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.042	105	281	8.860	ug/l #	64
89) n-Butylbenzene	13.371	91	58	1.798	ug/l #	34
90) Hexachloroethane	14.005	117	44	5.905	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.206	75	26	25.023	ug/l #	1

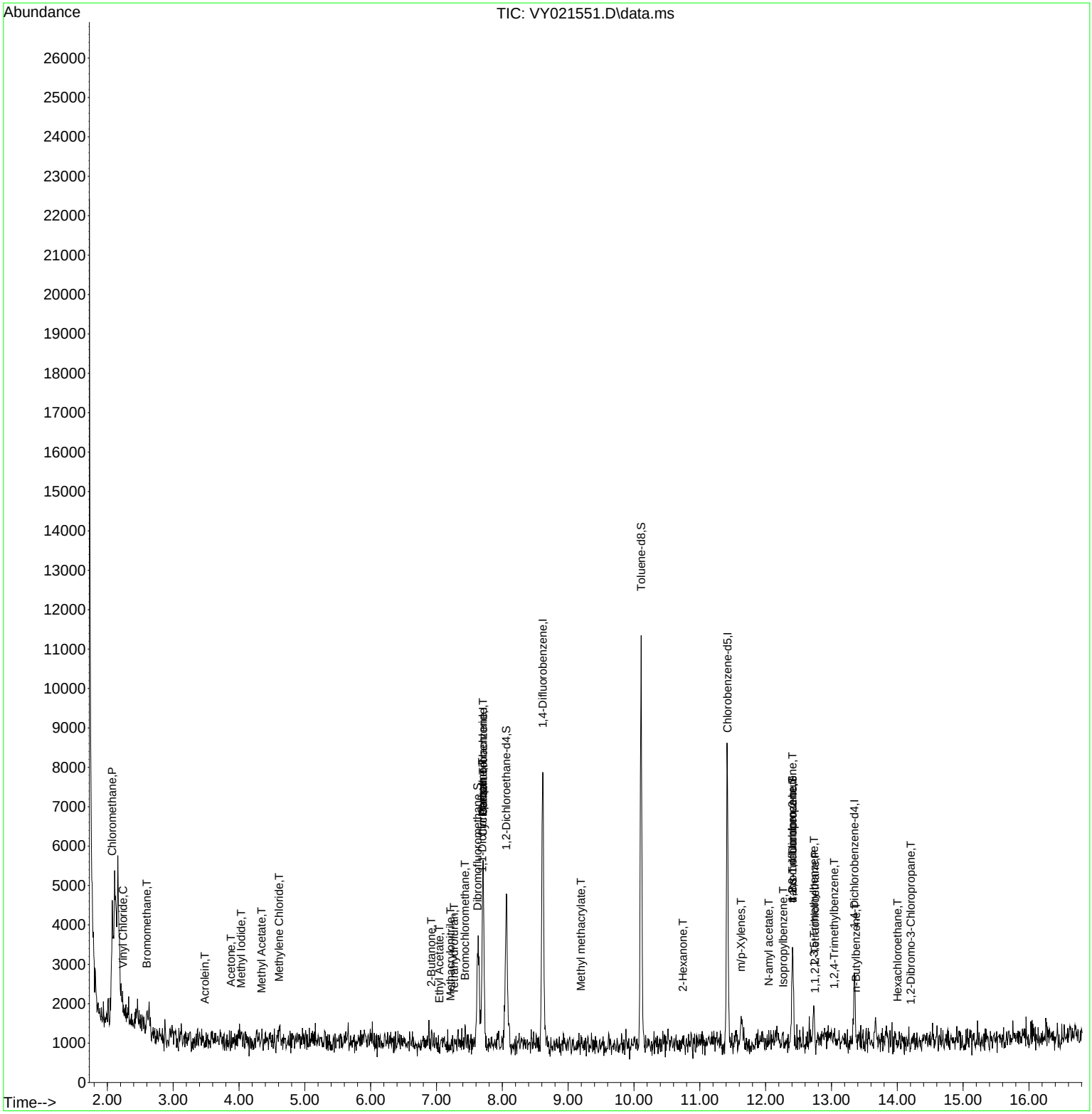
(#) = qualifier out of range (m) = manual integration (+) = signals summed

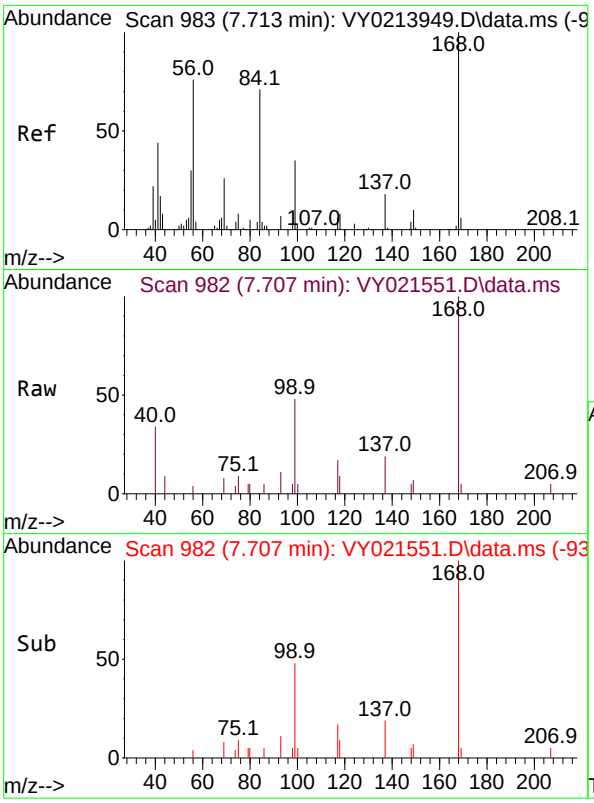
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021551.D
Acq On : 17 Mar 2025 15:32
Operator : SY/MD
Sample : Q1581-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 18 01:27:33 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



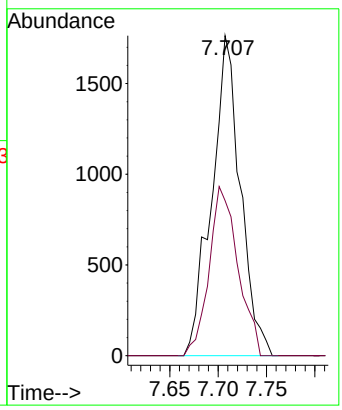


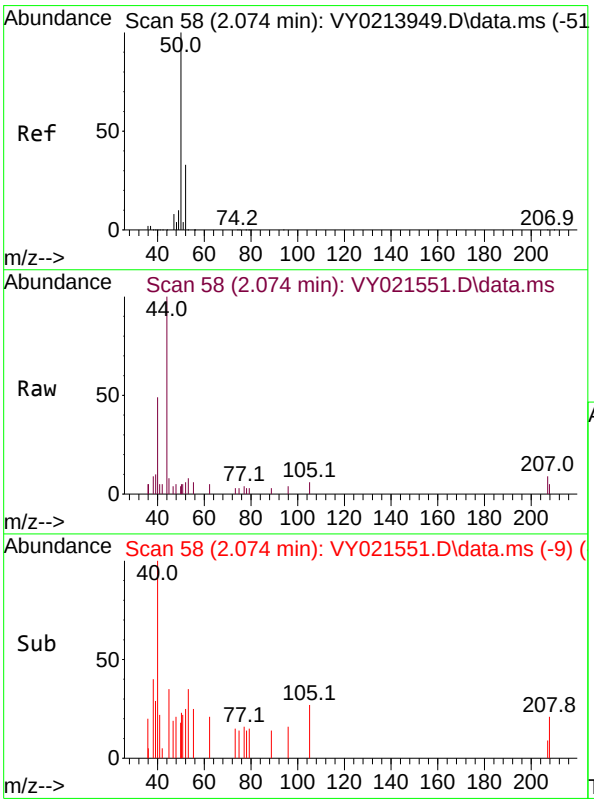
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 3642

Ion	Ratio	Lower	Upper
168	100		
99	48.5	46.0	69.0

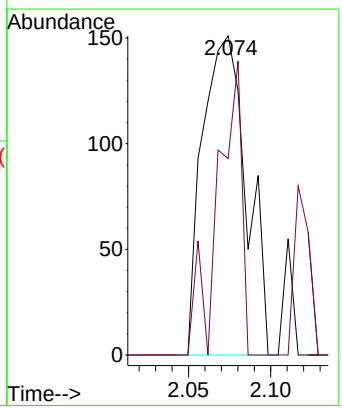


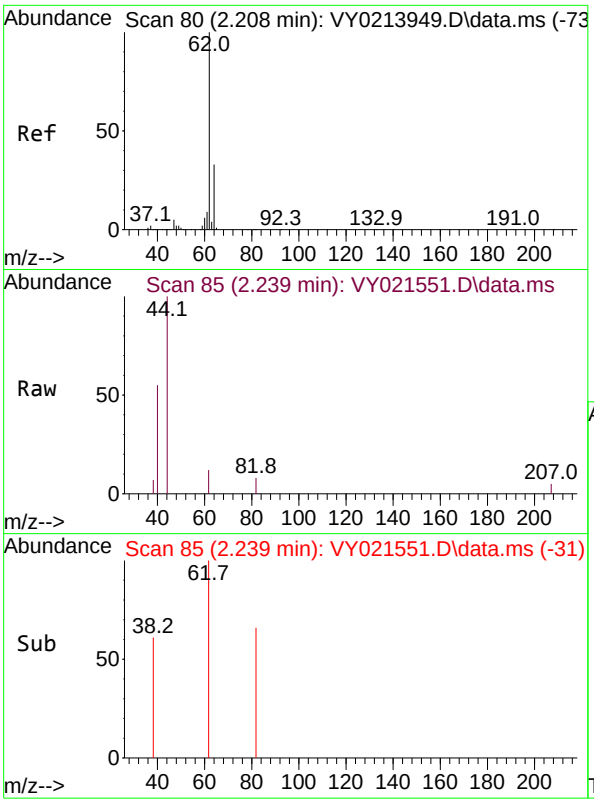


#3
Chloromethane
Concen: 5.964 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.000 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 50 Resp: 281

Ion	Ratio	Lower	Upper
50	100		
52	61.6	26.2	39.2#



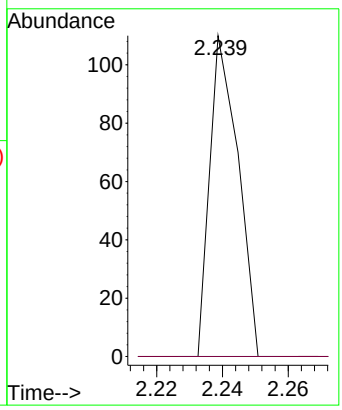


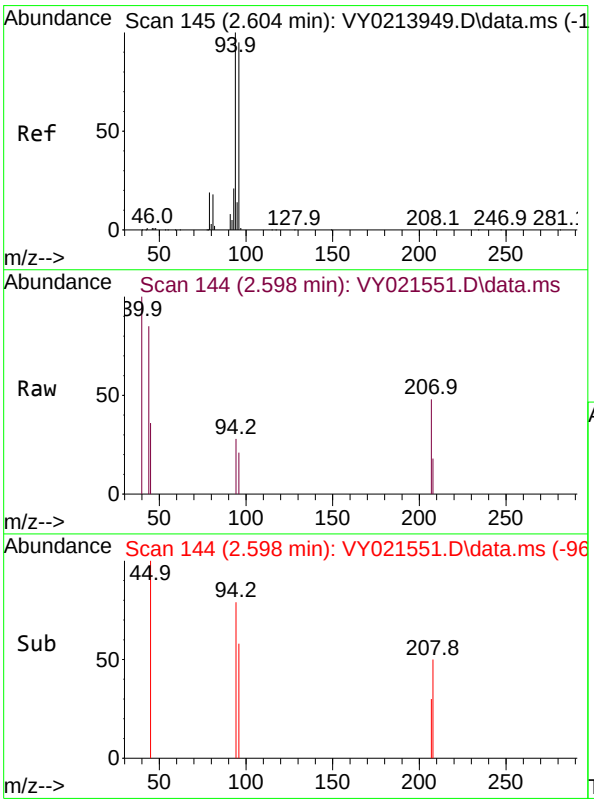
#4
Vinyl Chloride
Concen: 1.282 ug/l
RT: 2.239 min Scan# 8
Delta R.T. 0.031 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 62 Resp: 66

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.2	39.2#

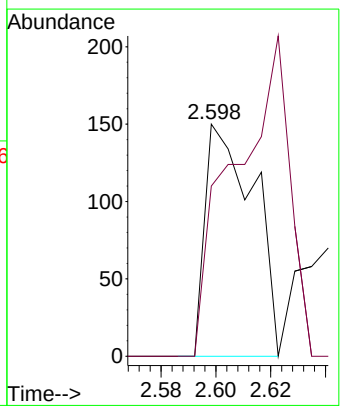


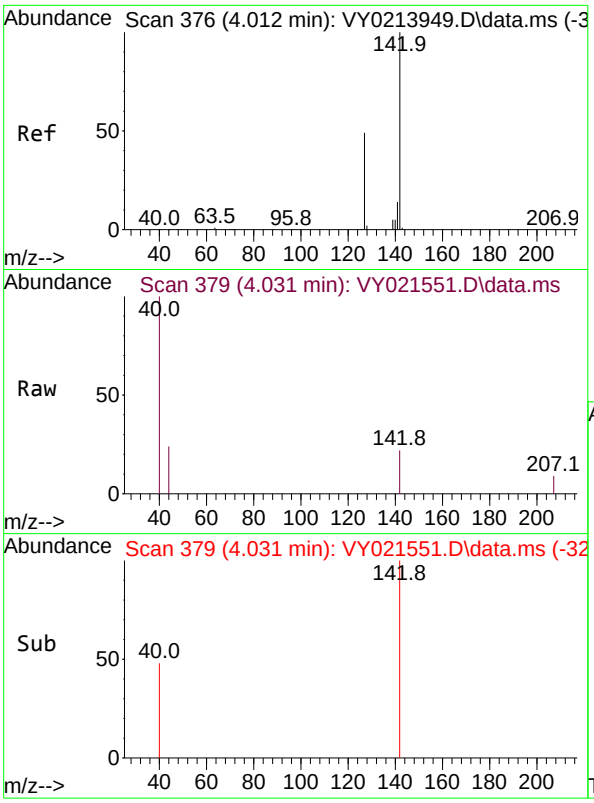


#5
Bromomethane
Concen: 4.944 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 94 Resp: 184

Ion	Ratio	Lower	Upper
94	100		
96	73.3	76.3	114.5#



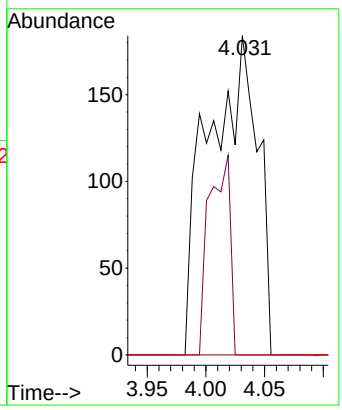


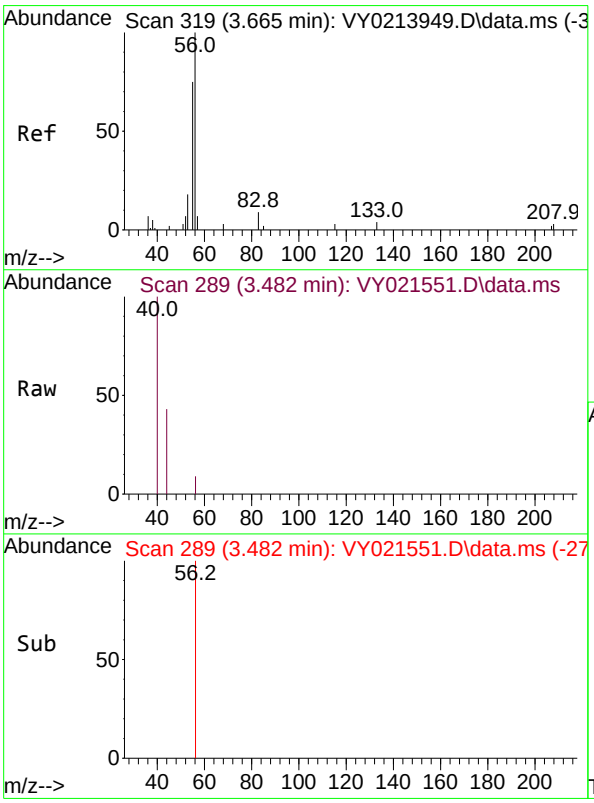
#10
Methyl Iodide
Concen: 12.826 ug/l
RT: 4.031 min Scan# 3
Delta R.T. 0.019 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:142 Resp: 535

Ion	Ratio	Lower	Upper
142	100		
127	26.9	39.1	58.7#
141	0.0	11.8	17.6#

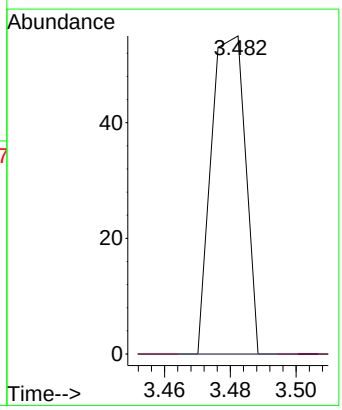


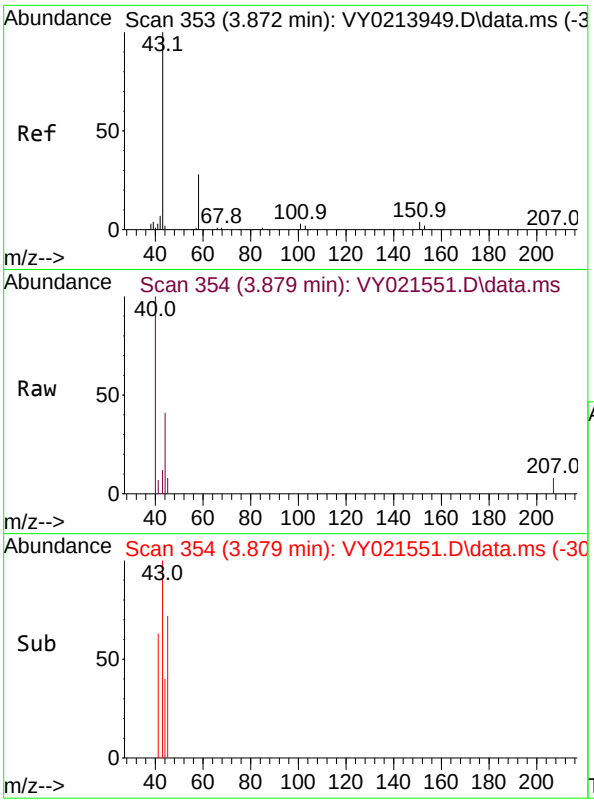


#13
Acrolein
Concen: 20.430 ug/l
RT: 3.482 min Scan# 289
Delta R.T. -0.183 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 56 Resp: 40

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#



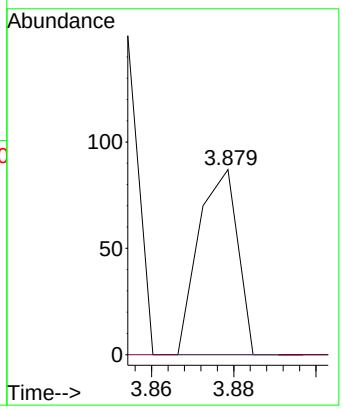


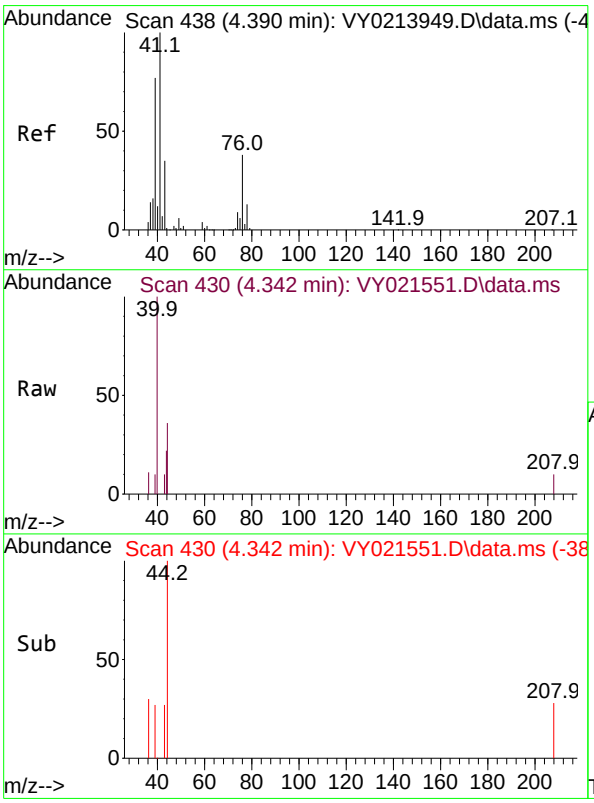
#16
Acetone
Concen: 6.789 ug/l
RT: 3.879 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 57

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

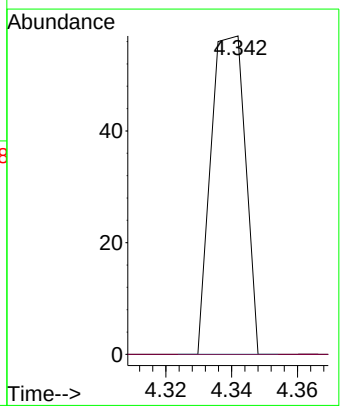


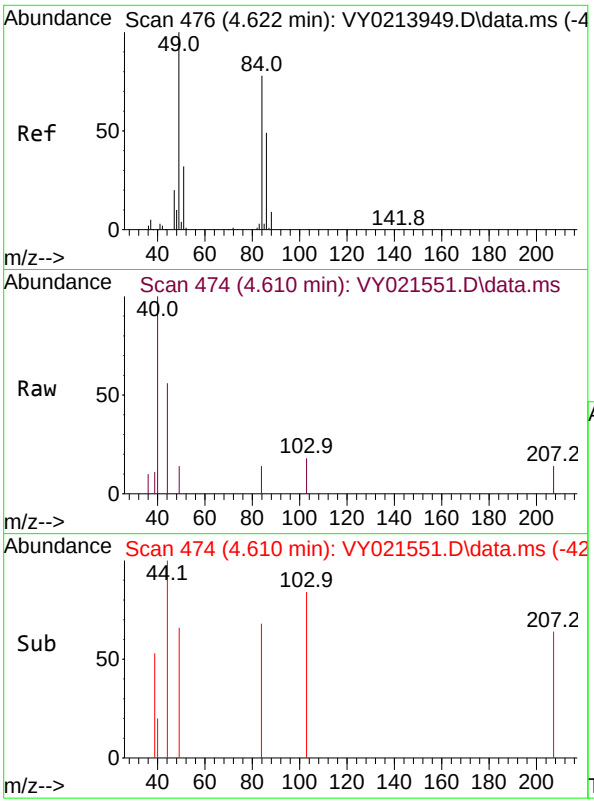


#18
Methyl Acetate
Concen: 2.201 ug/l
RT: 4.342 min Scan# 430
Delta R.T. -0.049 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 43 Resp: 41

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#



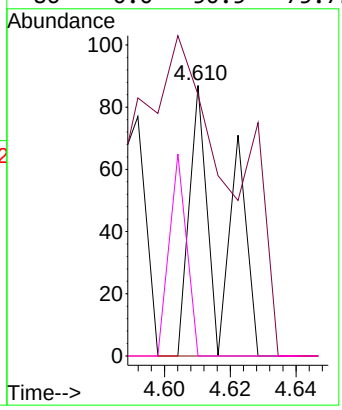


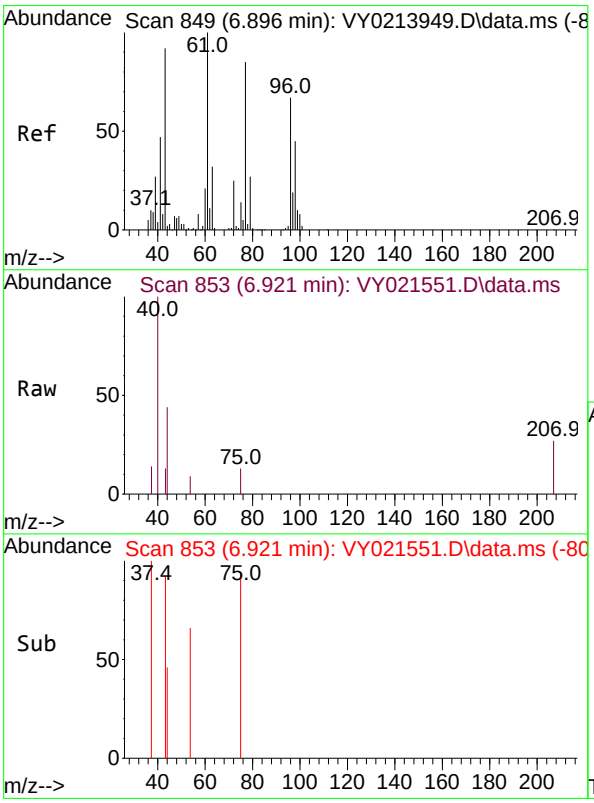
#20
Methylene Chloride
Concen: 1.316 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 58

Ion	Ratio	Lower	Upper
84	100		
49	96.6	102.0	153.0#
51	0.0	33.0	49.6#
86	0.0	50.5	75.7#

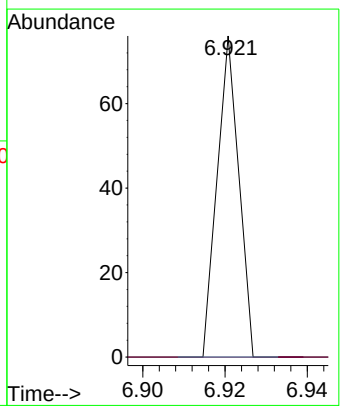


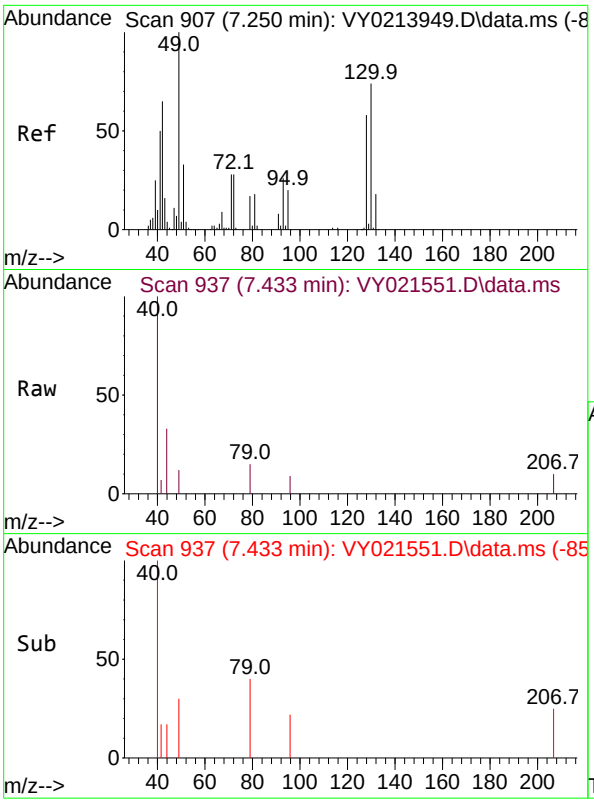


#25
2-Butanone
Concen: 2.411 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.025 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 43 Resp: 28

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#



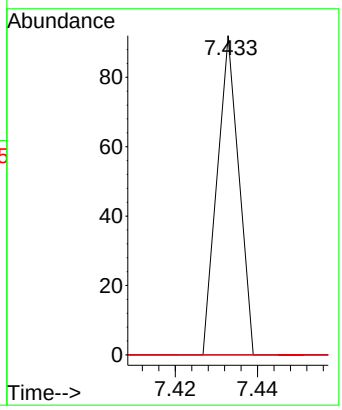


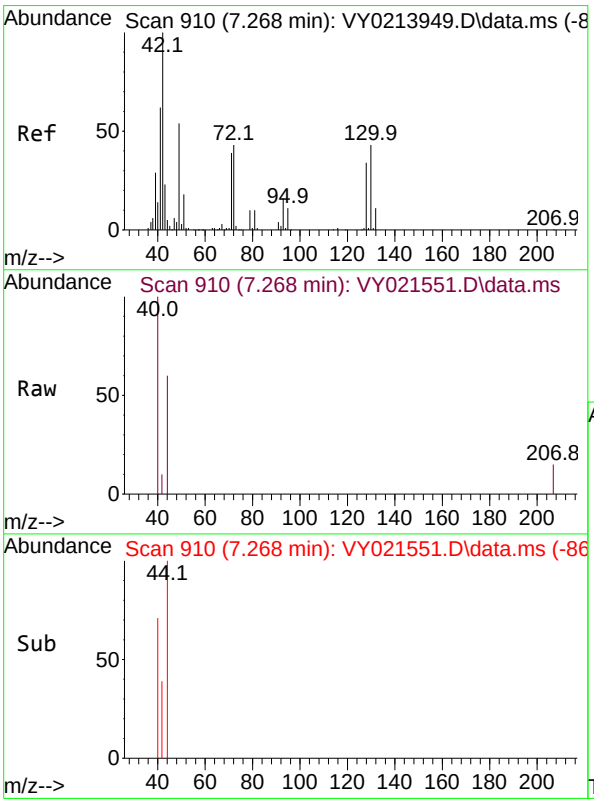
#28
Bromochloromethane
Concen: 1.055 ug/l
RT: 7.433 min Scan# 9
Delta R.T. 0.183 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 49 Resp: 34

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	59.6	89.4#

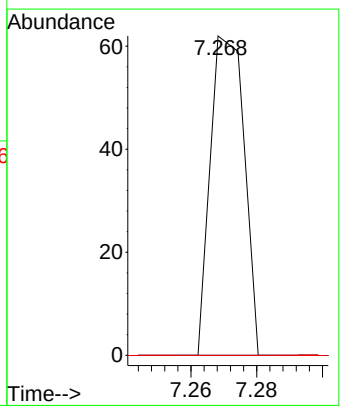


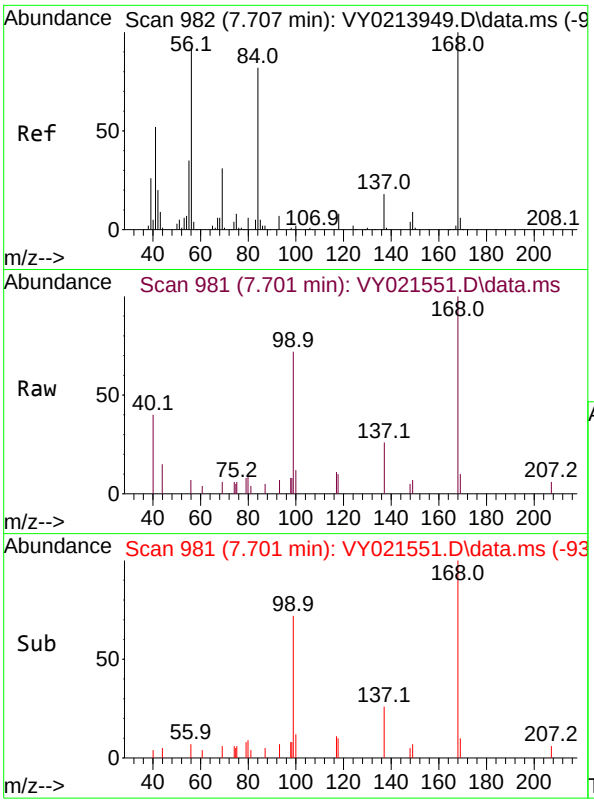


#29
Tetrahydrofuran
Concen: 6.137 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 42 Resp: 44

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



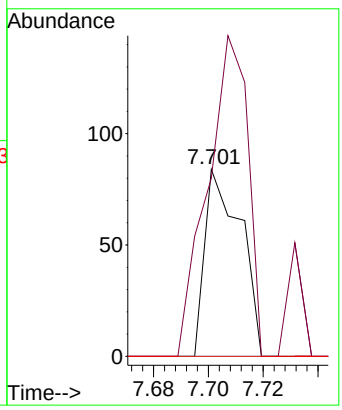


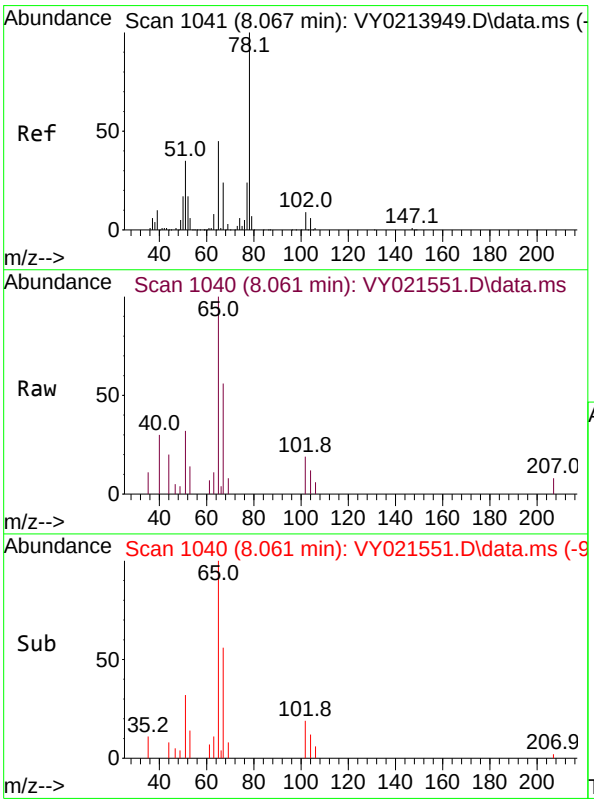
#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 76

Ion	Ratio	Lower	Upper
56	100		
69	95.2	27.0	40.4#
84	0.0	71.1	106.7#

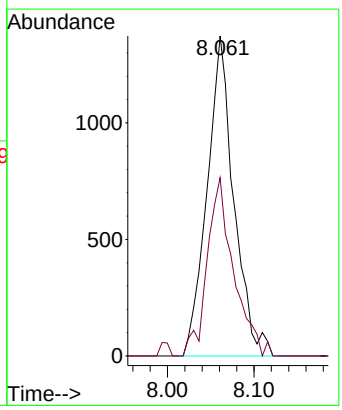


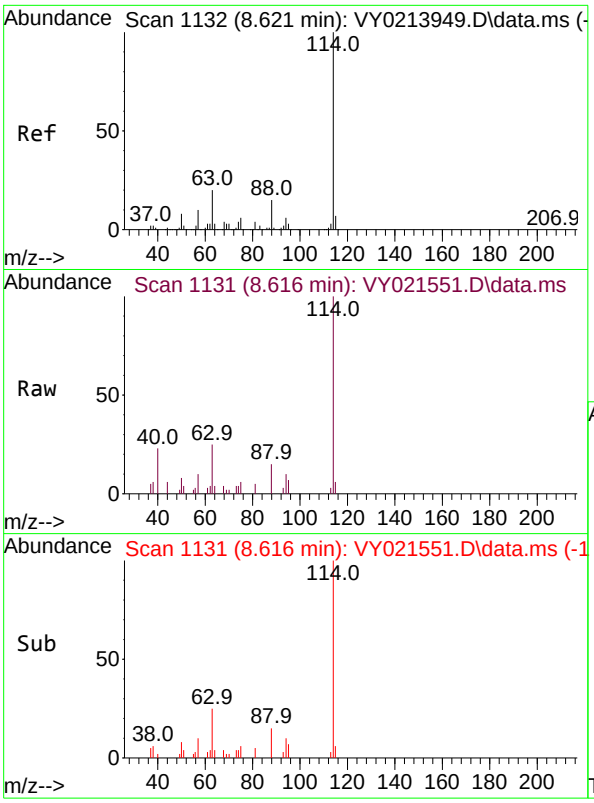


#33
1,2-Dichloroethane-d4
Concen: 76.636 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 65 Resp: 2950

Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	102.8



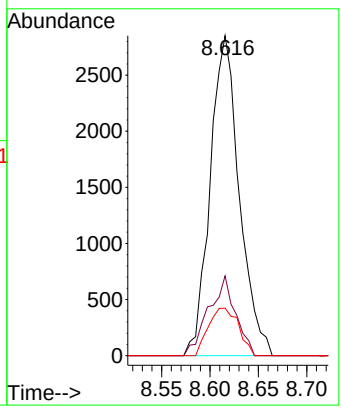


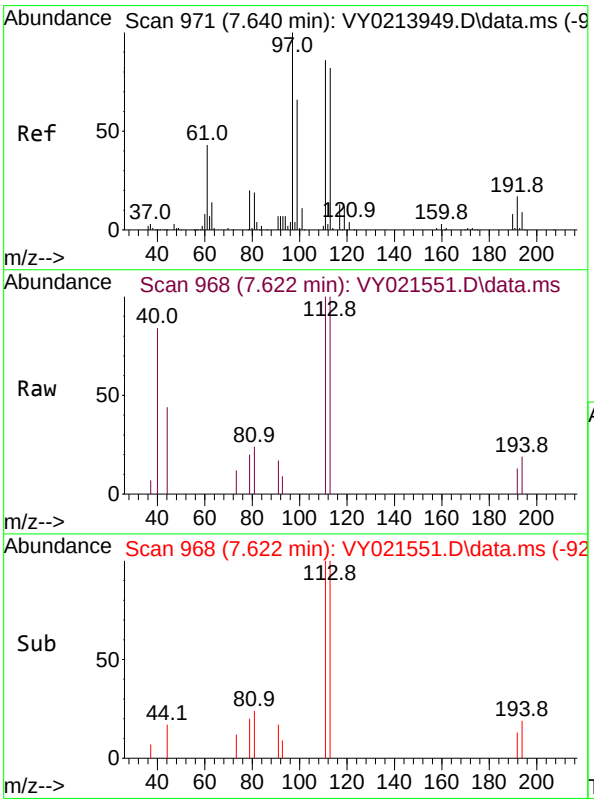
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 5971

Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	40.8
88	14.8	0.0	30.8

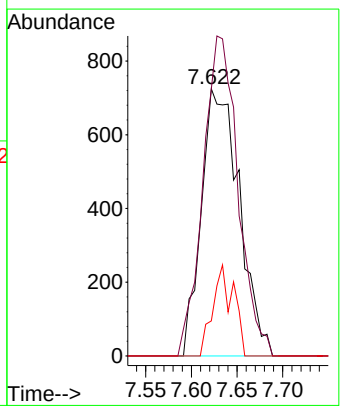


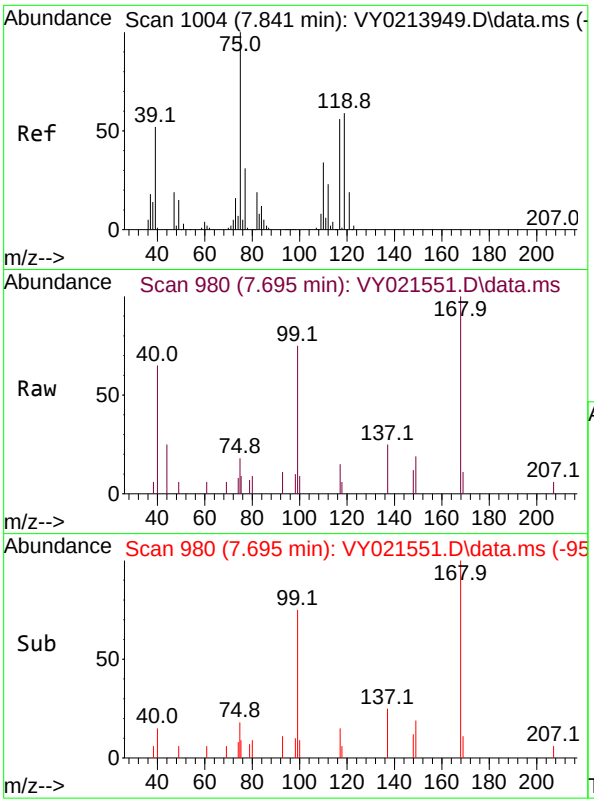


#35
Dibromofluoromethane
Concen: 53.149 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.018 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:113 Resp: 2086

Ion	Ratio	Lower	Upper
113	100		
111	110.7	82.0	123.0
192	18.6	15.9	23.9



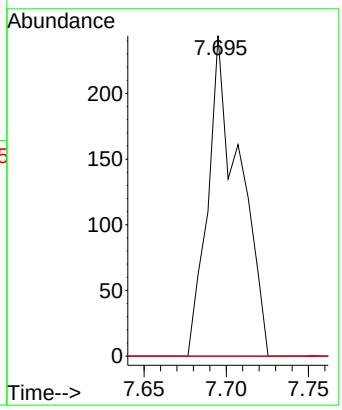


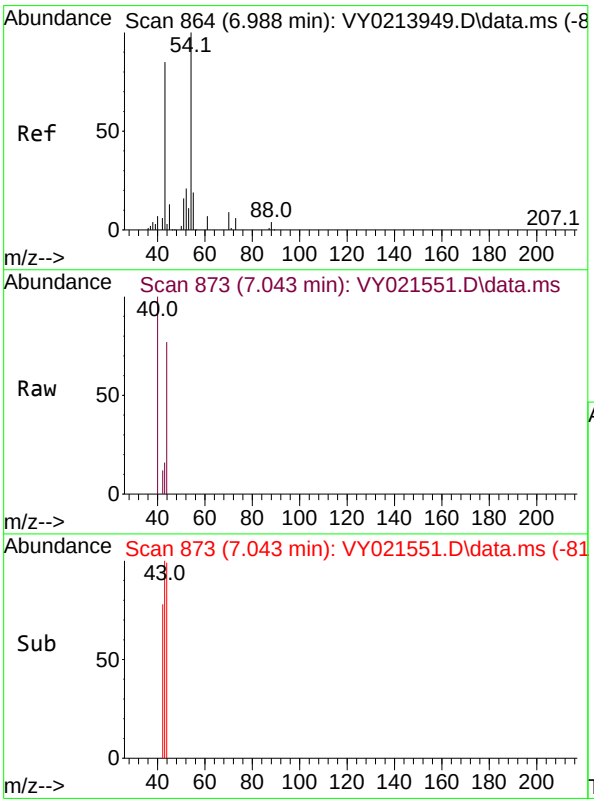
#36
1,1-Dichloropropene
Concen: 5.339 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.146 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 328

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

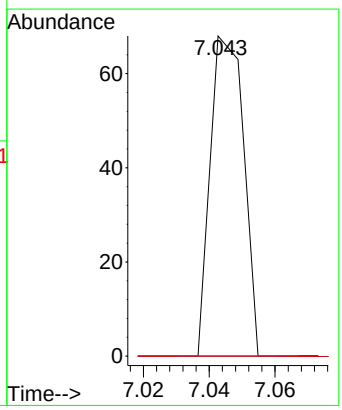


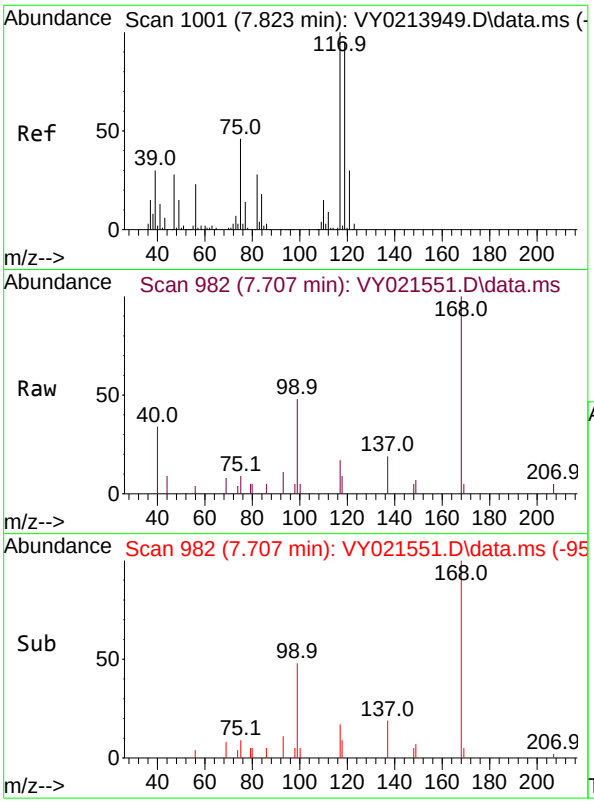


#37
Ethyl Acetate
Concen: 1.768 ug/l
RT: 7.043 min Scan# 873
Delta R.T. 0.055 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 43 Resp: 48

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#



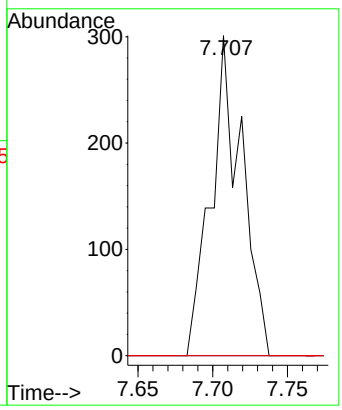


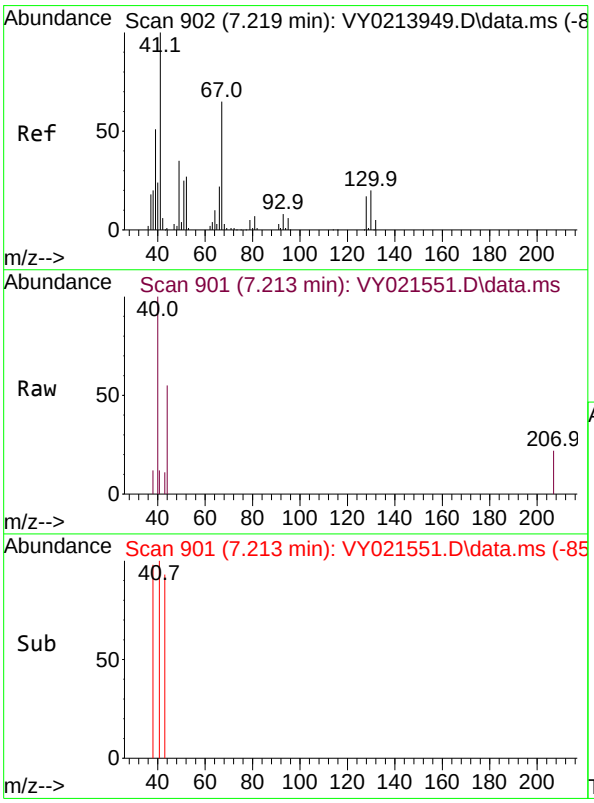
#38
Carbon Tetrachloride
Concen: 6.128 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 433

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

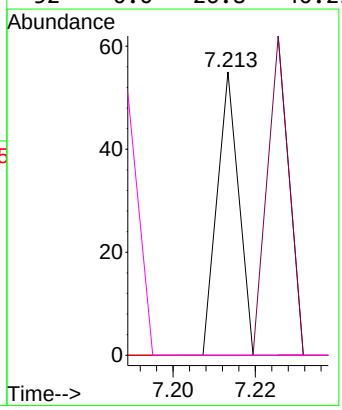


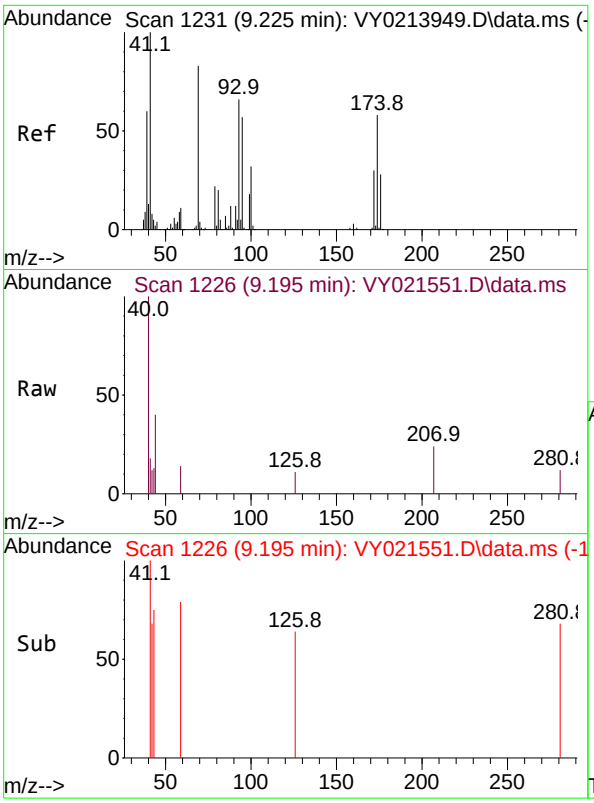


#41
Methacrylonitrile
Concen: 1.353 ug/l
RT: 7.213 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 41 Resp: 20

Ion	Ratio	Lower	Upper
41	100		
39	115.0	35.0	52.6#
67	0.0	61.2	91.8#
52	0.0	26.8	40.2#



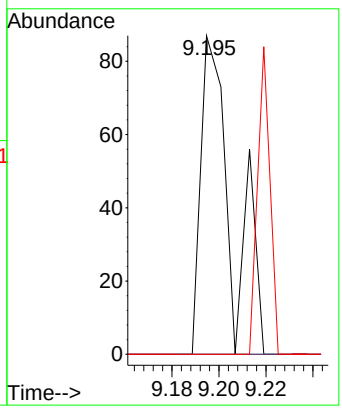


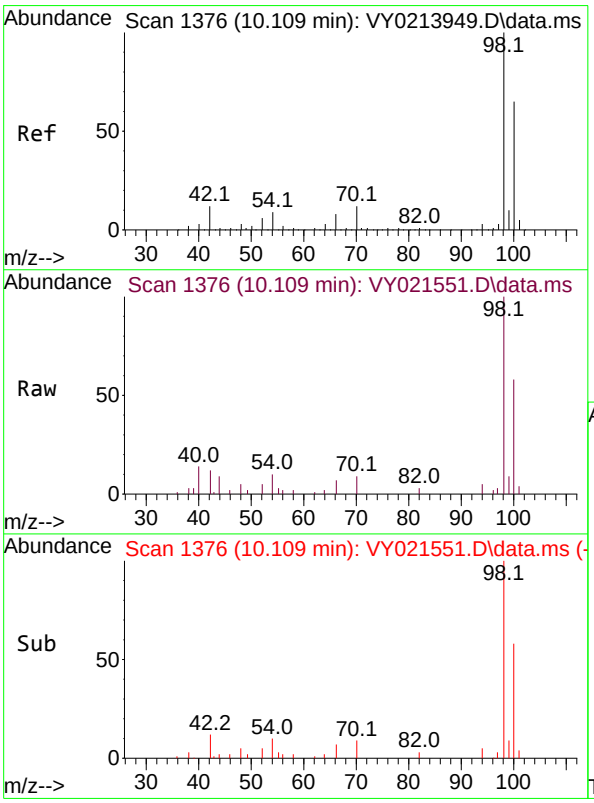
#48
Methyl methacrylate
Concen: 3.264 ug/l
RT: 9.195 min Scan# 1
Delta R.T. -0.030 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 79

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

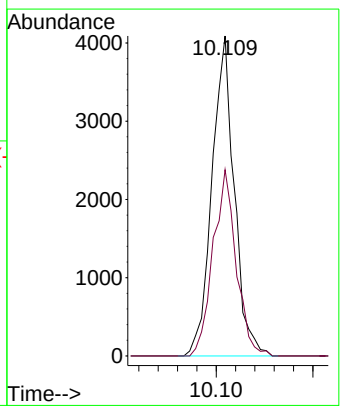


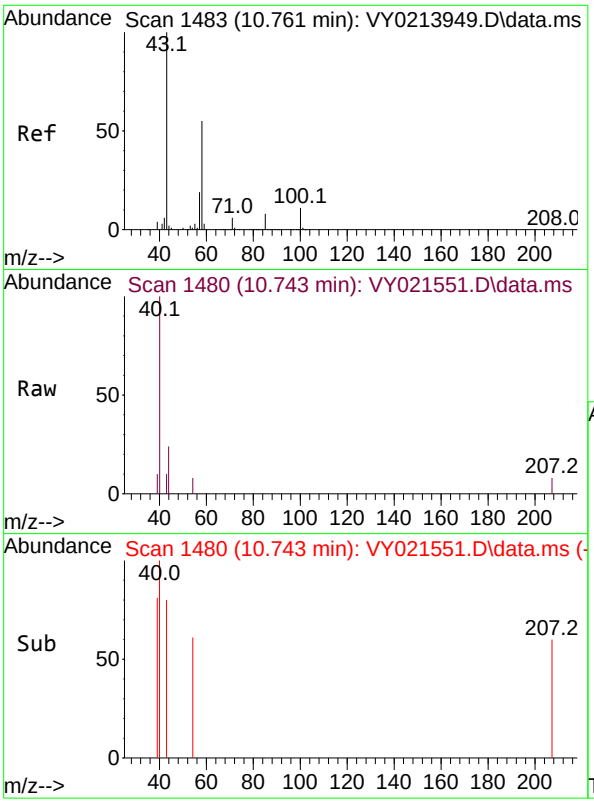


#50
Toluene-d8
Concen: 43.989 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 98 Resp: 6537

Ion	Ratio	Lower	Upper
98	100		
100	60.4	52.1	78.1



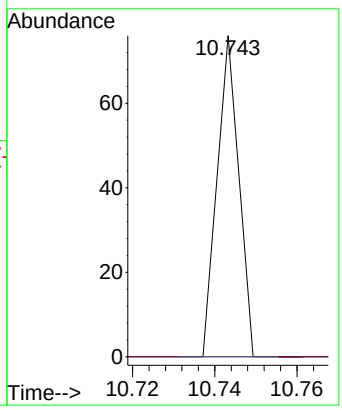


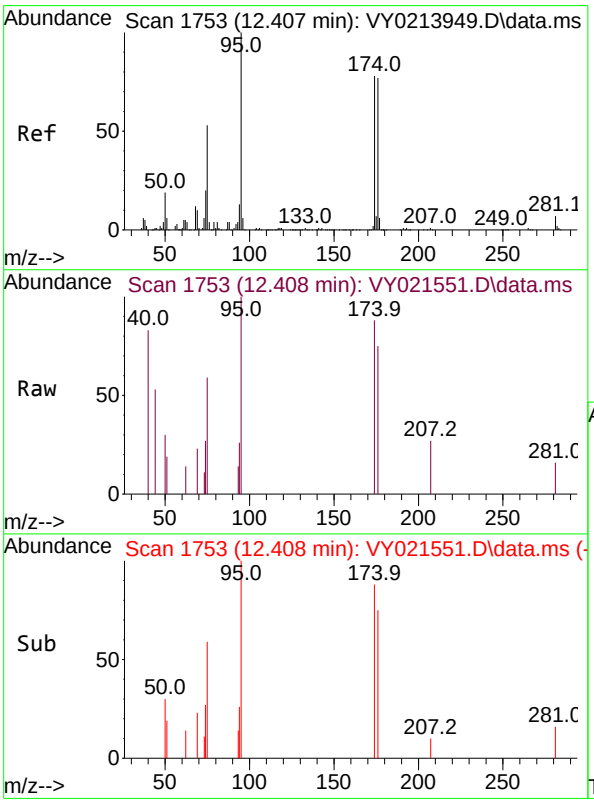
#59
2-Hexanone
Concen: 1.557 ug/l
RT: 10.743 min Scan# 14
Delta R.T. -0.018 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 28

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#

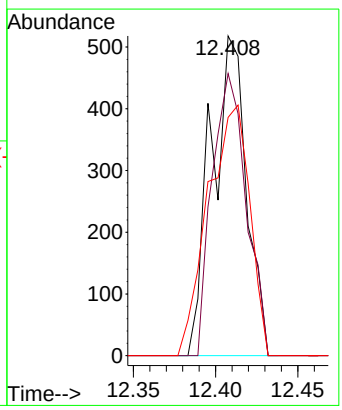


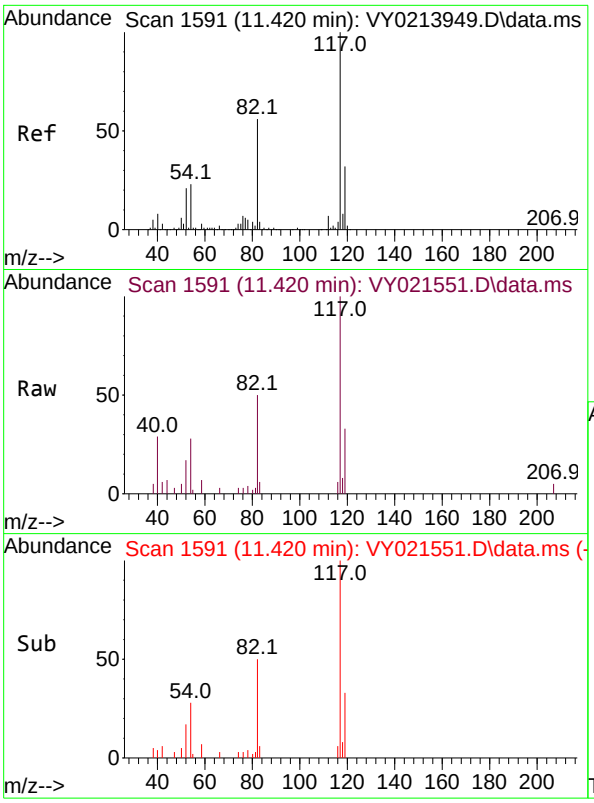


#62
4-Bromofluorobenzene
Concen: 15.252 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 95 Resp: 771

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	165.0
176	92.6	0.0	160.0



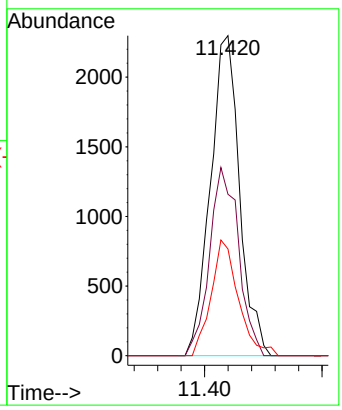


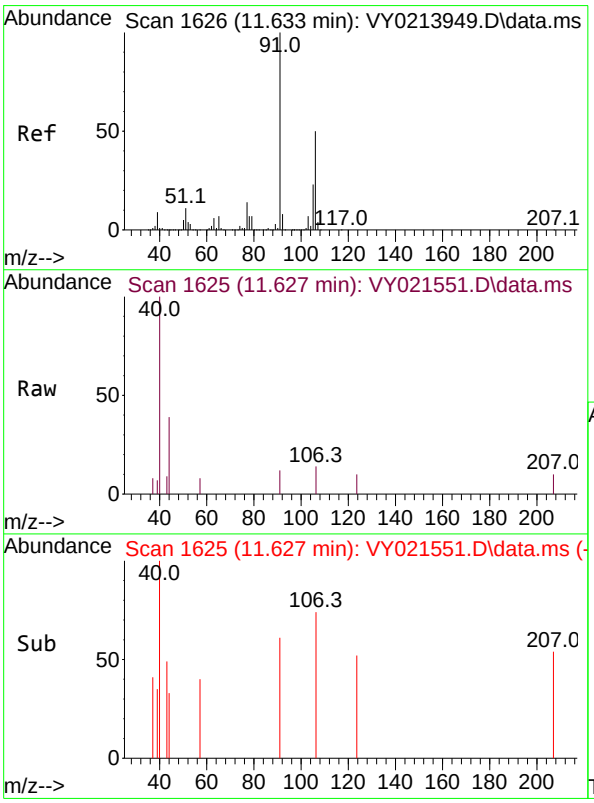
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 3963

Ion	Ratio	Lower	Upper
117	100		
82	50.4	44.6	67.0
119	33.3	25.4	38.0

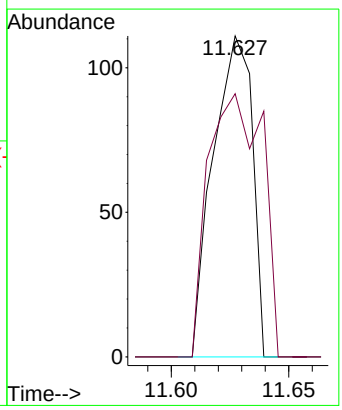


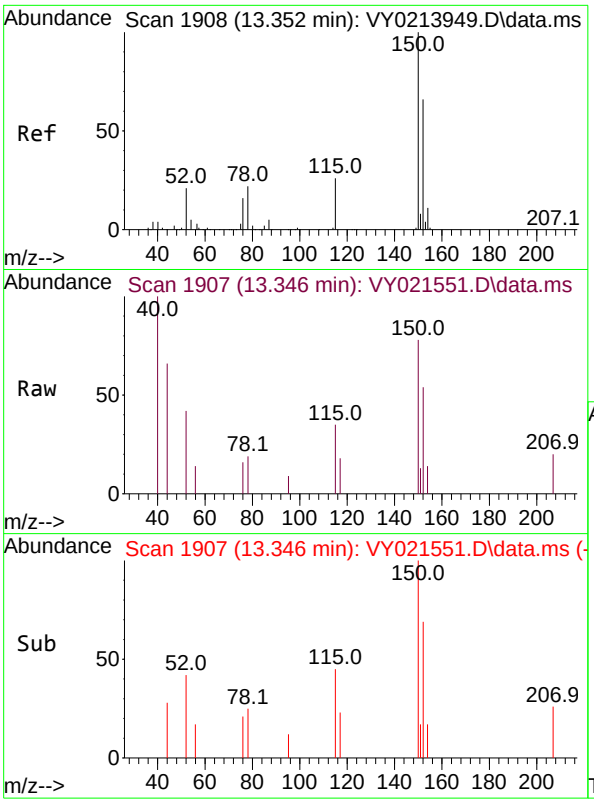


#68
m/p-Xylenes
Concen: 2.053 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:106 Resp: 128

Ion	Ratio	Lower	Upper
106	100		
91	114.1	161.7	242.5#



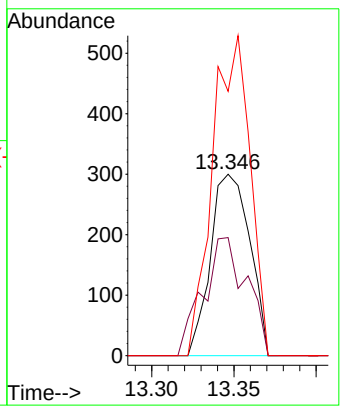


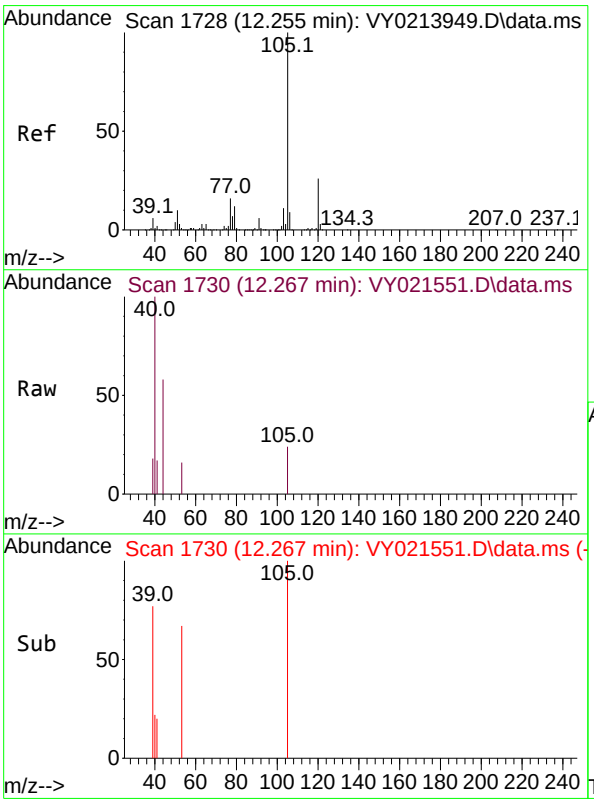
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 499

Ion	Ratio	Lower	Upper
152	100		
115	71.7	29.0	87.0
150	168.3	0.0	347.2

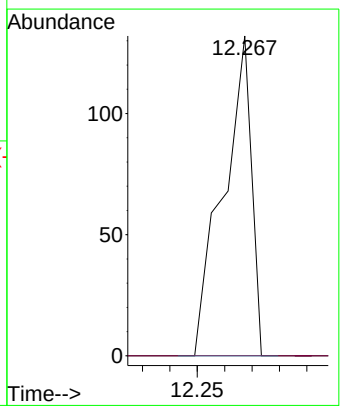


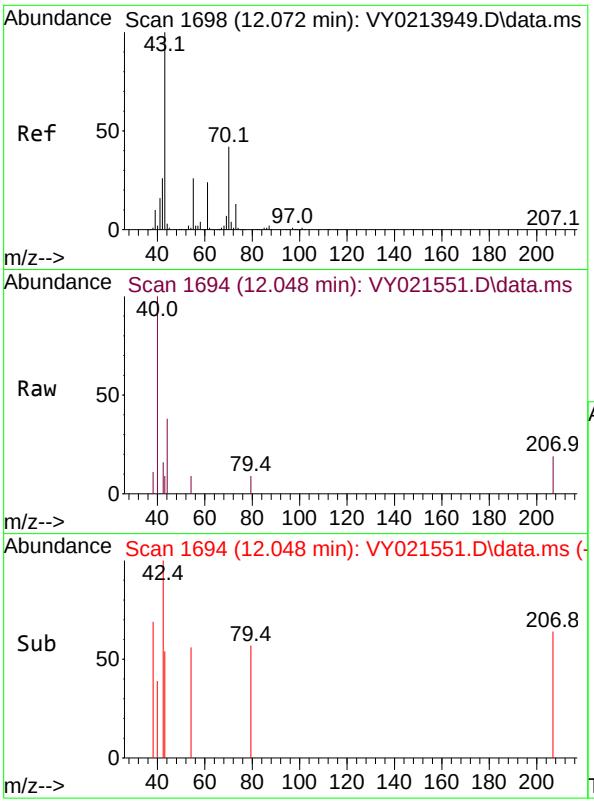


#73
Isopropylbenzene
Concen: 2.417 ug/l
RT: 12.267 min Scan# 1730
Delta R.T. 0.012 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:105 Resp: 95

Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.1	39.3#



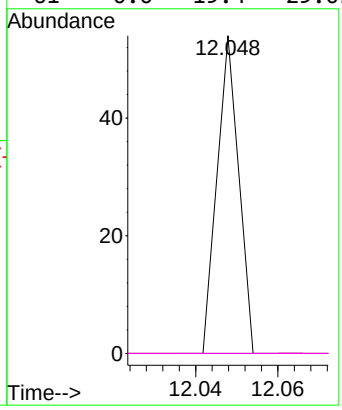


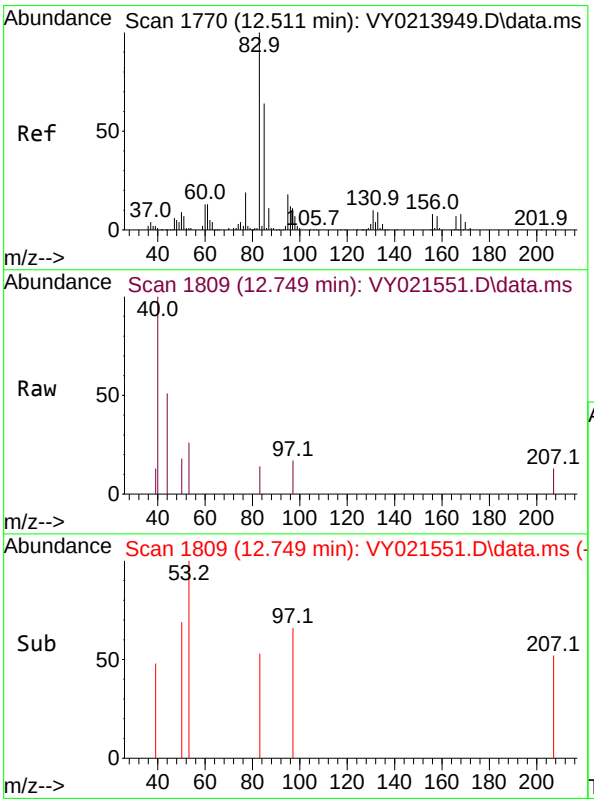
#74
N-amyl acetate
Concen: 2.343 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 20

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#

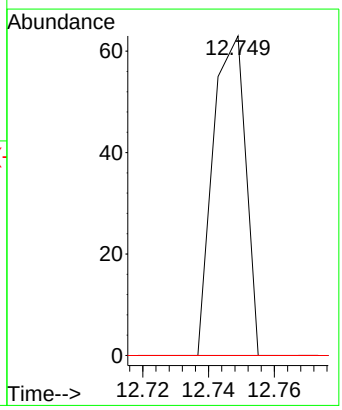


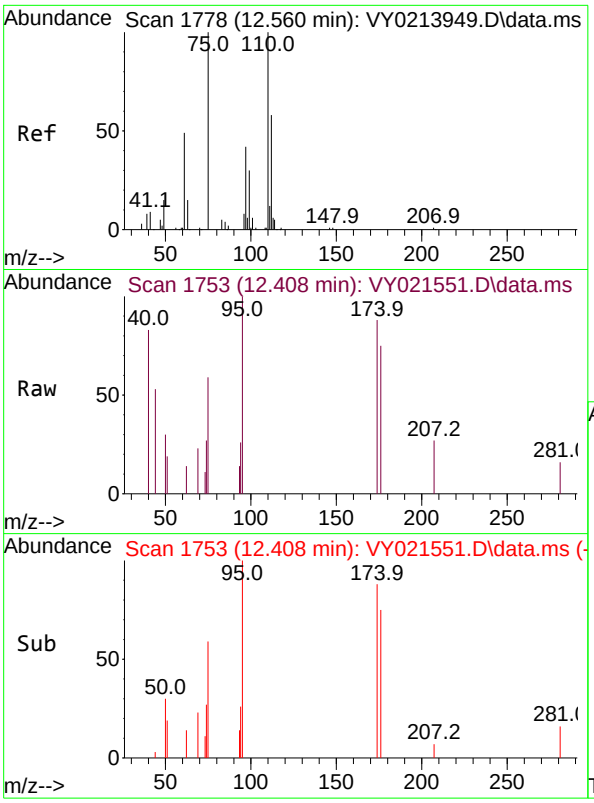


#75
1,1,2,2-Tetrachloroethane
Concen: 6.199 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.238 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion: 83 Resp: 43

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	31.9	95.5#



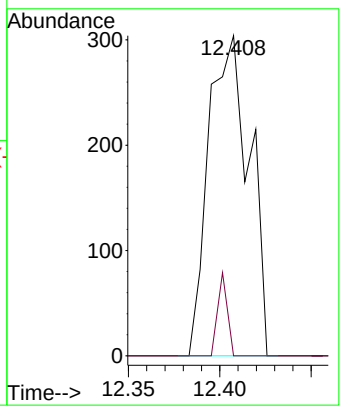


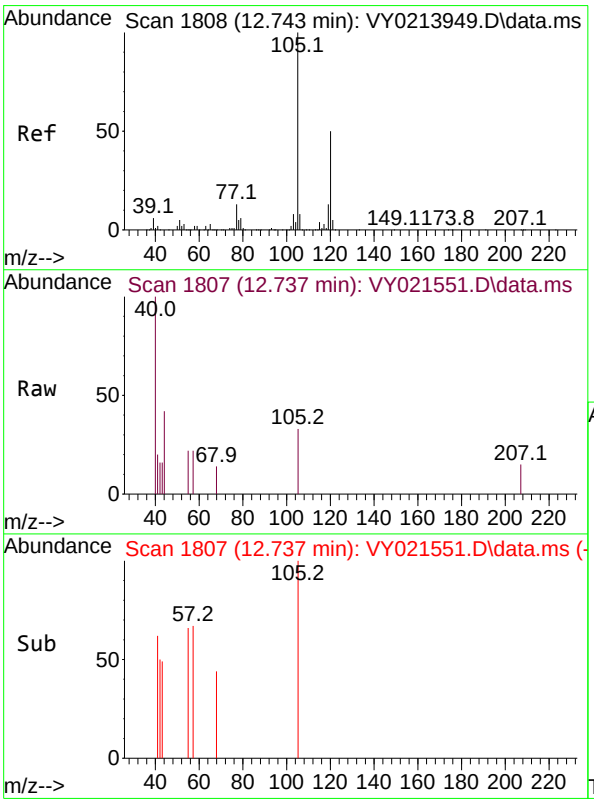
#76
1,2,3-Trichloropropane
Concen: 93.669 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.152 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 471

Ion	Ratio	Lower	Upper
75	100		
77	6.2	0.0	0.0#

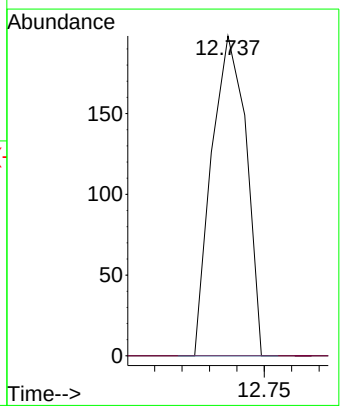


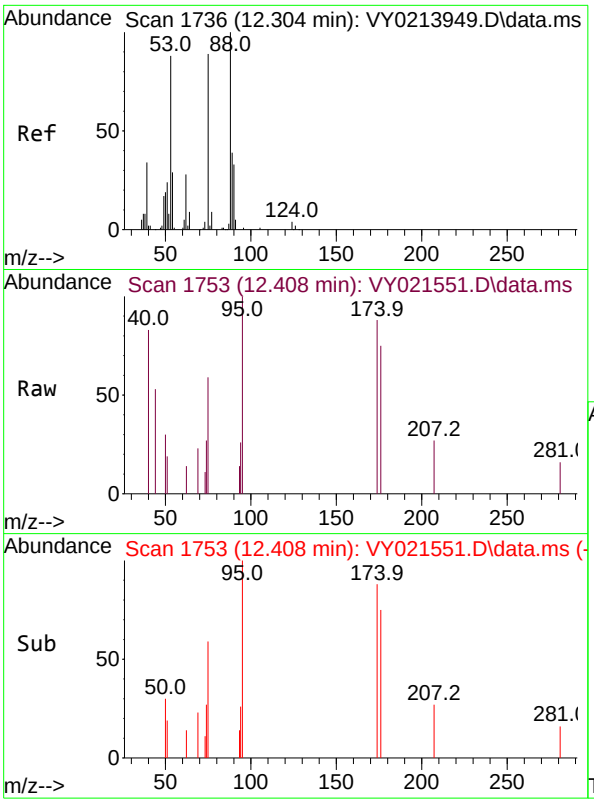


#80
1,3,5-Trimethylbenzene
Concen: 5.416 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:105 Resp: 173

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.6	73.6#



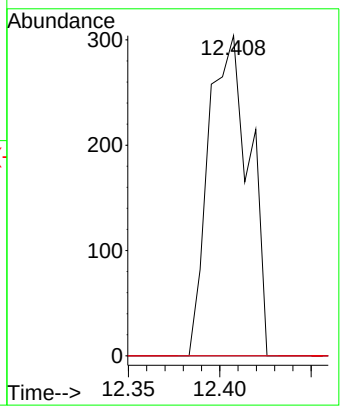


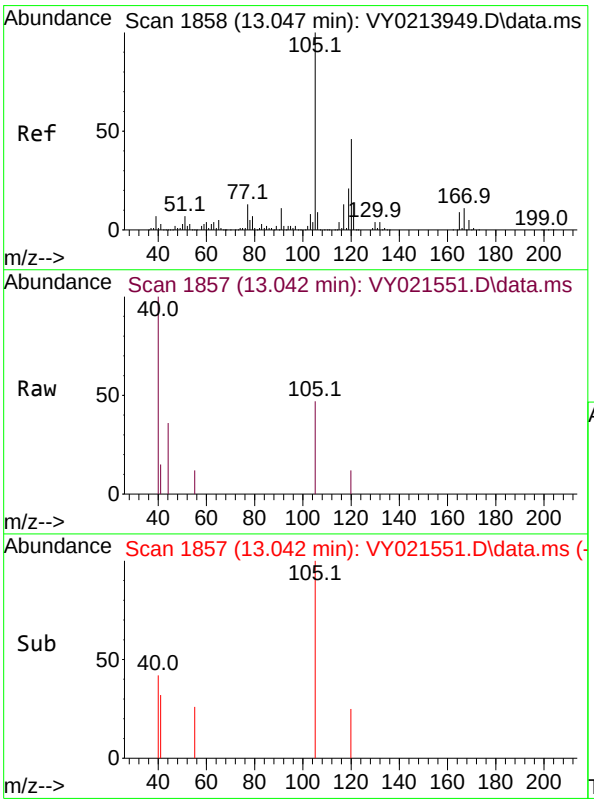
#81
trans-1,4-Dichloro-2-butene
Concen: 212.939 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 471

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

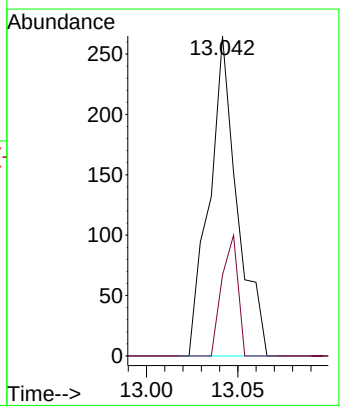


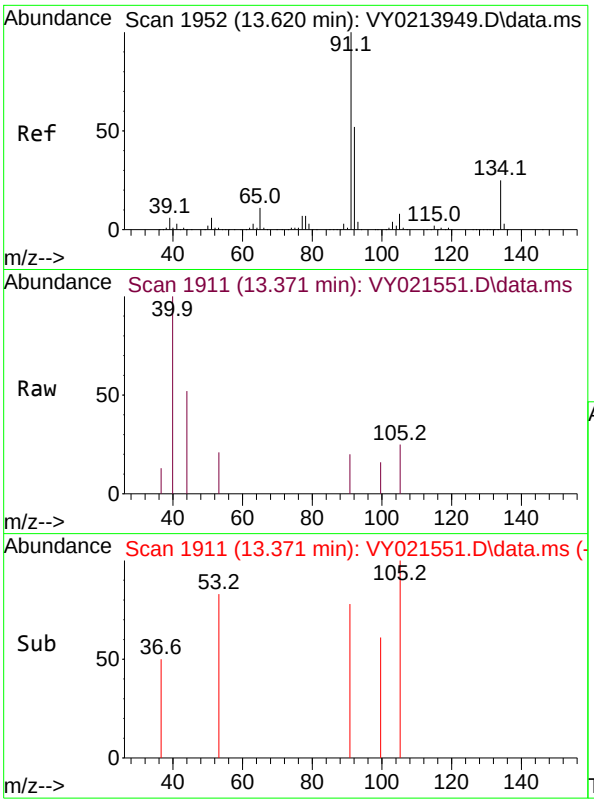


#84
1,2,4-Trimethylbenzene
Concen: 8.860 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:105 Resp: 281

Ion	Ratio	Lower	Upper
105	100		
120	21.7	22.7	68.1#



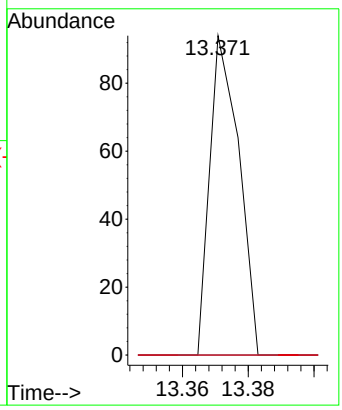


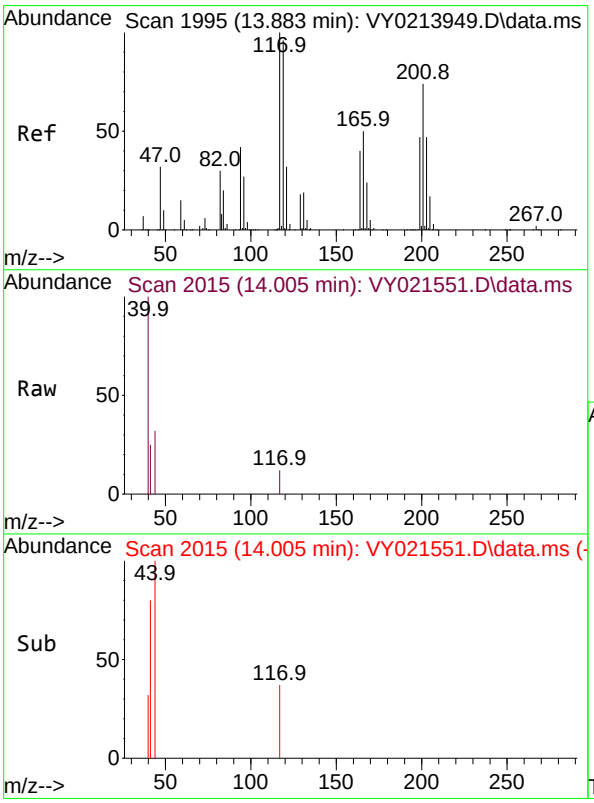
#89
n-Butylbenzene
Concen: 1.798 ug/l
RT: 13.371 min Scan# 1
Delta R.T. -0.250 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 58

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.1	78.3#
134	0.0	12.6	37.8#

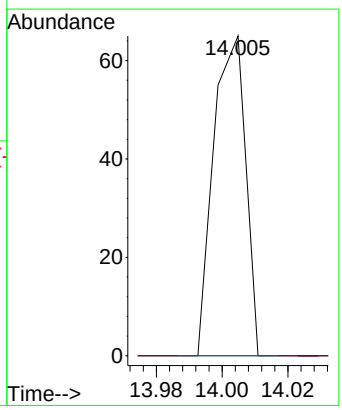


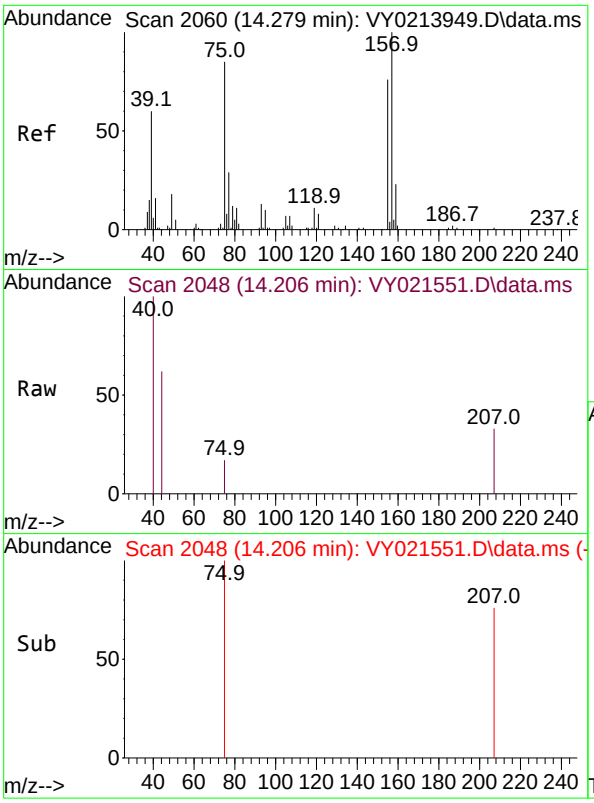


#90
Hexachloroethane
Concen: 5.905 ug/l
RT: 14.005 min Scan# 2015
Delta R.T. 0.122 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Tgt Ion:117 Resp: 44

Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.4	112.2#





#92
1,2-Dibromo-3-Chloropropane
Concen: 25.023 ug/l
RT: 14.206 min Scan# 2(
Delta R.T. -0.073 min
Lab File: VY021551.D
Acq: 17 Mar 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 26

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