Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031425\
Data File : VU063284.D
Acq On : 14 Mar 2025 10:19
Operator : MD/SY
Sample : VU0314WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 17 10:03:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Mar 17 10:02:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	186181	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	183960	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72685	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	63342	3.97	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.40%			
7) Chloroethane-d5	1.901	69	61295	4.73	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.60%			
11) 1,1-Dichloroethene-d2	2.554	65	30079	4.72	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 94.40%			
20) 2-Butanone-d5	4.608	46	189283	56.52	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 113.04%			
24) Chloroform-d	5.049	84	141637	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.40%			
26) 1,2-Dichloroethane-d4	5.689	65	74732	5.16	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.20%			
32) Benzene-d6	5.714	84	281749	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%			
36) 1,2-Dichloropropane-d6	6.679	67	92792	4.98	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 99.60%			
41) Toluene-d8	7.888	98	233323	4.49	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.80%			
43) trans-1,3-Dichloroprop...	8.174	79	27033	3.97	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 79.40%			
46) 2-Hexanone-d5	8.621	63	136465	52.76	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.52%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	74630	4.96	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.20%			
66) 1,2-Dichlorobenzene-d4	12.187	152	75286	5.28	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 105.60%			
Target Compounds						Qvalue
3) Chloromethane	1.518	50	854	0.04	ug/L #	81
5) Vinyl chloride	1.596	62	323	0.02	ug/L #	1
6) Bromomethane	1.859	94	69	0.01	ug/L	90
8) Chloroethane	1.917	64	43	0.00	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.551	101	827	0.06	ug/L #	21
12) 1,1-Dichloroethene	2.554	96	635	0.05	ug/L #	1
13) Acetone	2.624	43	839	0.39	ug/L	83
14) Carbon disulfide	2.776	76	883	0.02	ug/L #	75
15) Methyl Acetate	3.178	43	615	0.11	ug/L #	50
16) Methylene chloride	3.026	84	686	0.04	ug/L	90
17) Methyl tert-butyl Ether	3.168	73	20	0.00	ug/L #	1
21) 2-Butanone	4.686	43	100	0.03	ug/L #	46
25) Chloroform	5.071	83	1023	0.04	ug/L	82
27) 1,2-Dichloroethane	5.714	62	1629	0.09	ug/L #	75
33) Benzene	5.714	78	2205	0.03	ug/L	100
34) Trichloroethene	6.547	95	483	0.03	ug/L #	68
35) Methylcyclohexane	6.679	83	20983	0.90	ug/L #	18
37) 1,2-Dichloropropane	6.679	63	9896	0.58	ug/L #	89
38) Bromodichloromethane	7.097	83	66	0.00	ug/L #	25

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031425\
Data File : VU063284.D
Acq On : 14 Mar 2025 10:19
Operator : MD/SY
Sample : VU0314WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

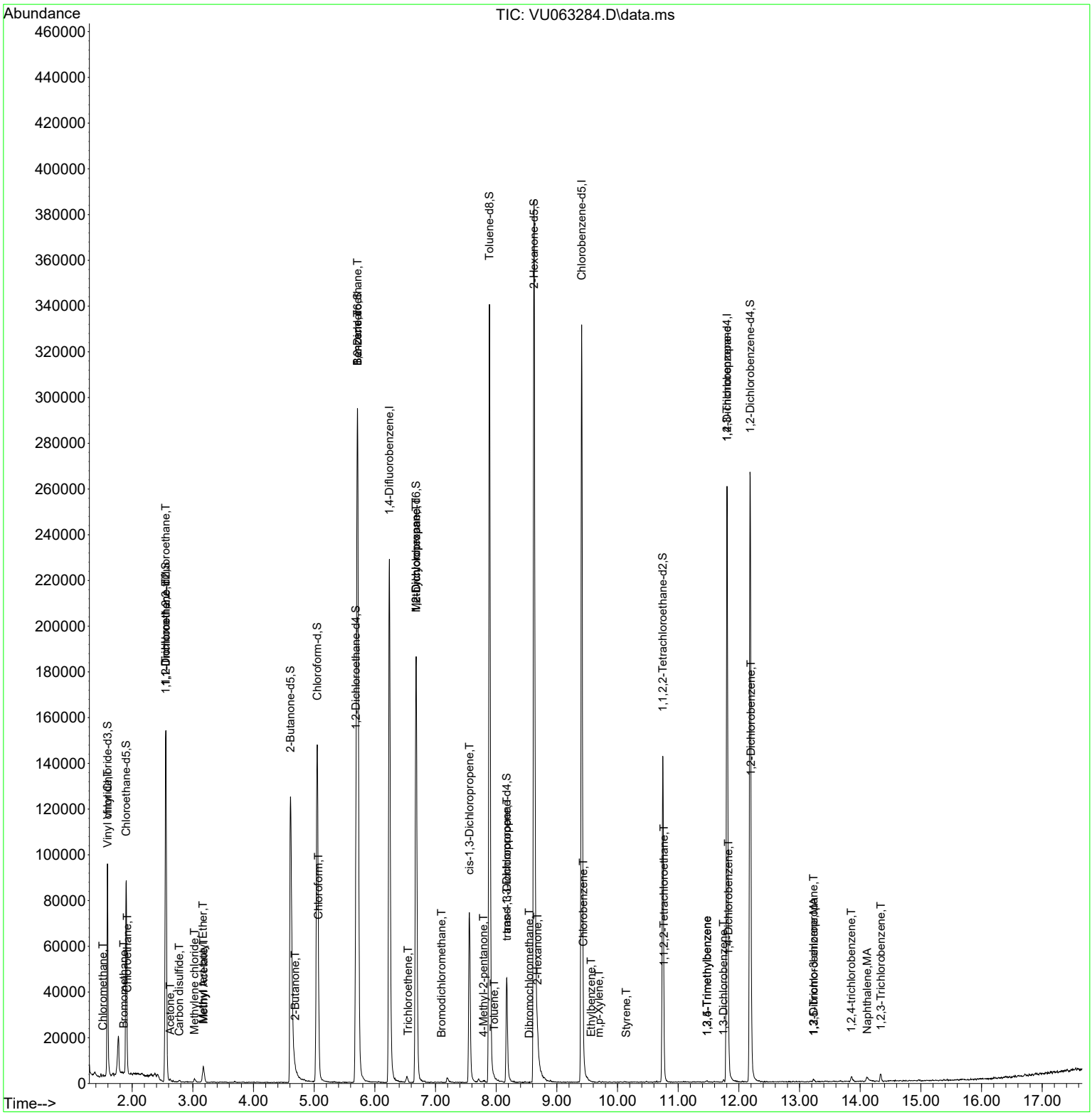
Quant Time: Mar 17 10:03:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Mar 17 10:02:01 2025
Response via : Initial Calibration

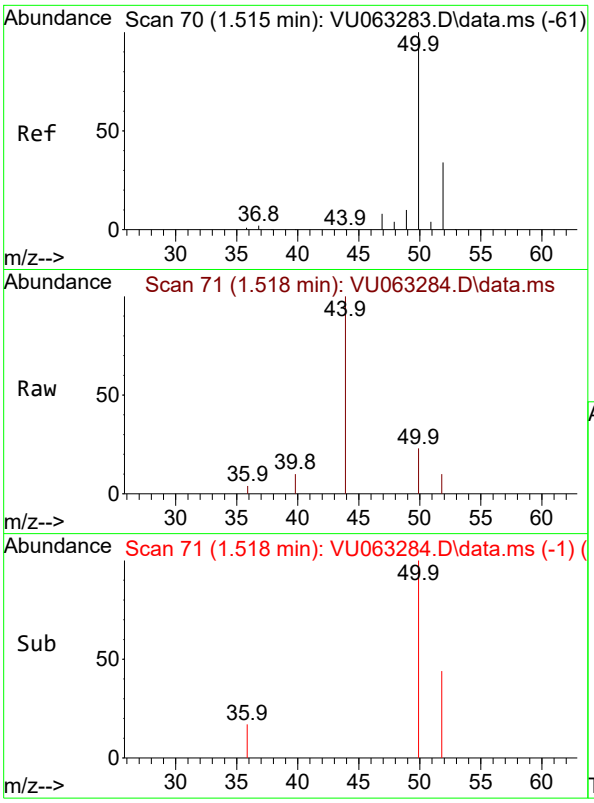
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
39) cis-1,3-Dichloropropene	7.560	75	1900	0.08 ug/L #	73
40) 4-Methyl-2-pentanone	7.791	43	477	0.05 ug/L #	42
42) Toluene	7.965	91	181	0.00 ug/L #	23
44) trans-1,3-Dichloropropene	8.177	75	1336	0.07 ug/L	96
48) 2-Hexanone	8.682	43	10260	1.64 ug/L #	78
49) Dibromochloromethane	8.544	129	21	0.00 ug/L #	10
51) Chlorobenzene	9.435	112	407	0.01 ug/L #	47
52) Ethylbenzene	9.563	91	396	0.01 ug/L #	43
53) m,p-Xylene	9.692	106	107	0.00 ug/L #	1
55) Styrene	10.145	104	46	0.00 ug/L #	31
57) 1,1,2,2-Tetrachloroethane	10.766	83	44	0.00 ug/L #	25
61) 1,2,3-Trichloropropane	11.804	75	10035	1.14 ug/L #	67
62) 1,3,5-Trimethylbenzene	11.476	105	453	0.01 ug/L	93
63) 1,2,4-Trimethylbenzene	11.476	105	453	0.01 ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	579	0.02 ug/L	87
65) 1,4-Dichlorobenzene	11.830	146	722	0.03 ug/L	89
67) 1,2-Dichlorobenzene	12.200	146	593	0.03 ug/L #	64
68) 1,2-Dibromo-3-chloropr...	13.229	75	82	0.05 ug/L #	3
69) 1,3,5-Trichlorobenzene	13.235	180	789	0.05 ug/L #	68
70) 1,2,4-trichlorobenzene	13.852	180	1336	0.11 ug/L #	89
71) Naphthalene	14.113	128	3457	0.21 ug/L #	85
72) 1,2,3-Trichlorobenzene	14.341	180	1292	0.12 ug/L	91

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031425\
Data File : VU063284.D
Acq On : 14 Mar 2025 10:19
Operator : MD/SY
Sample : VU0314WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 17 10:03:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022125WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Mar 17 10:02:01 2025
Response via : Initial Calibration

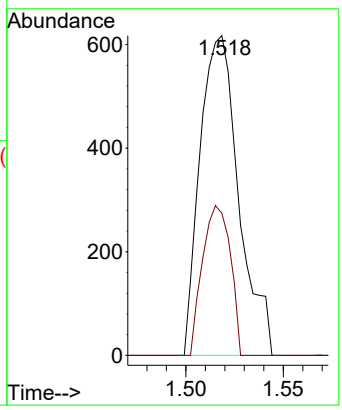


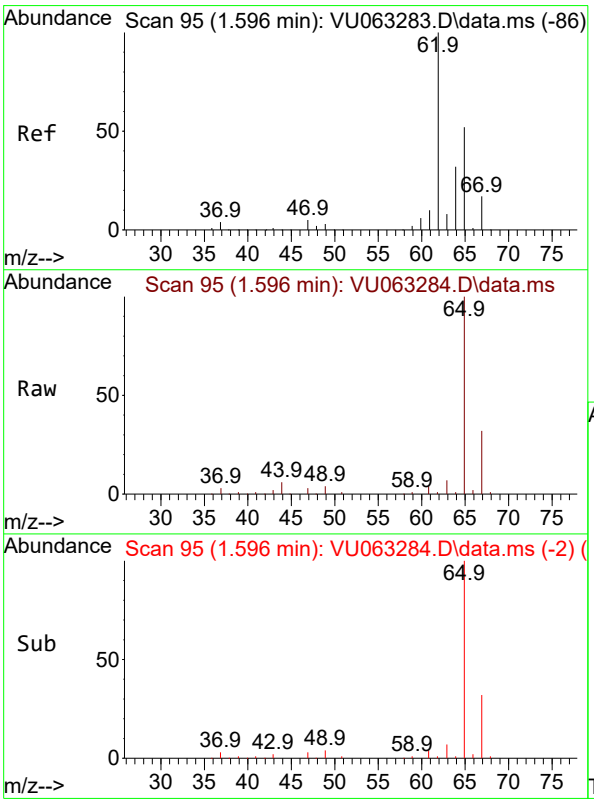


#3
Chloromethane
Concen: 0.04 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 50 Resp: 854

Ion	Ratio	Lower	Upper
50	100		
52	44.4	23.5	43.7#

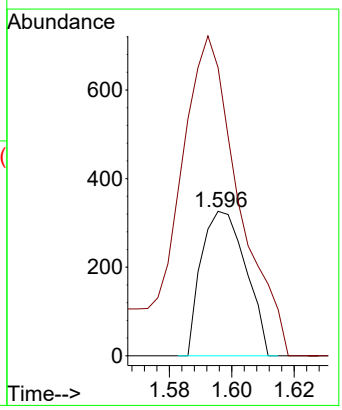


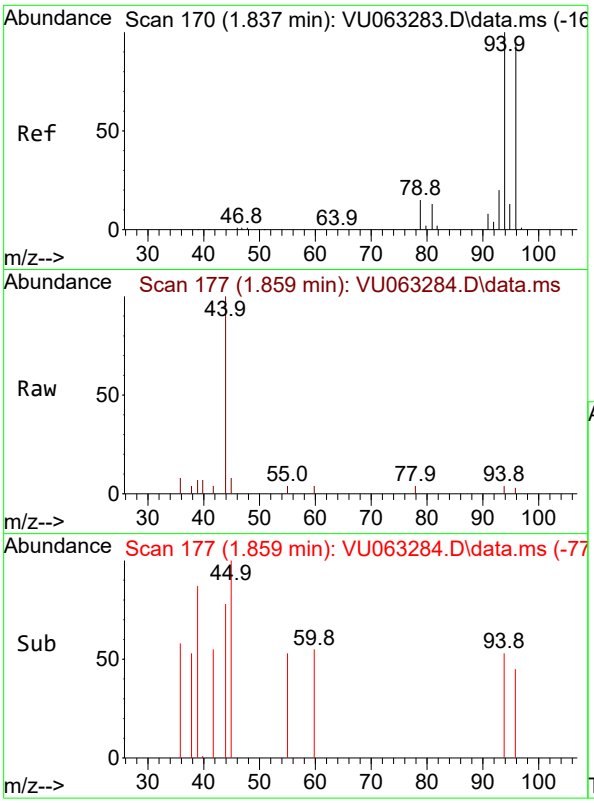


#5
Vinyl chloride
Concen: 0.02 ug/L
RT: 1.596 min Scan# 95
Delta R.T. -0.000 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 62 Resp: 323

Ion	Ratio	Lower	Upper
62	100		
64	199.7	23.3	43.3#

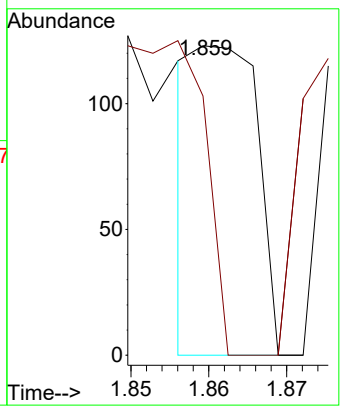


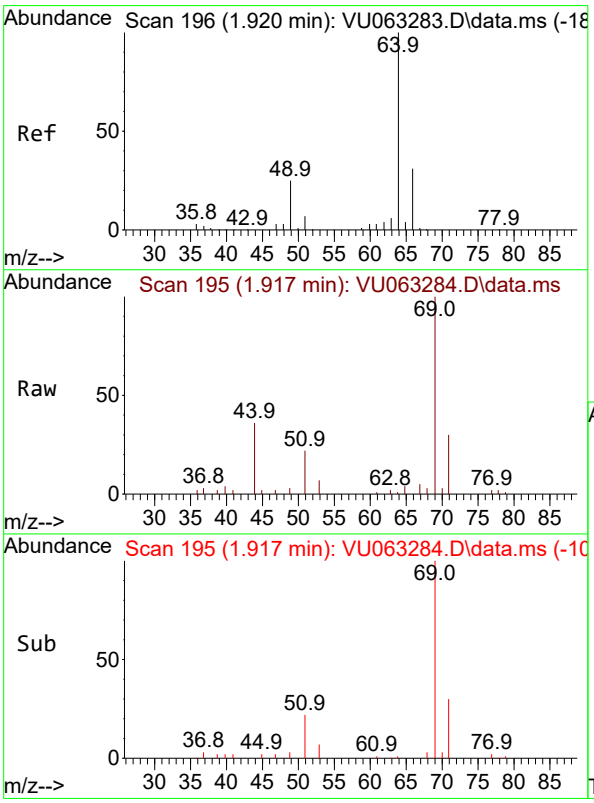


#6
Bromomethane
Concen: 0.01 ug/L
RT: 1.859 min Scan# 177
Delta R.T. 0.022 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 94 Resp: 69

Ion	Ratio	Lower	Upper
94	100		
96	83.7	65.6	121.8

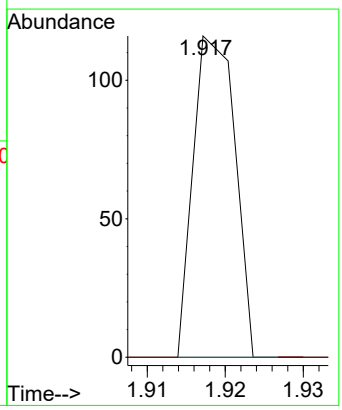


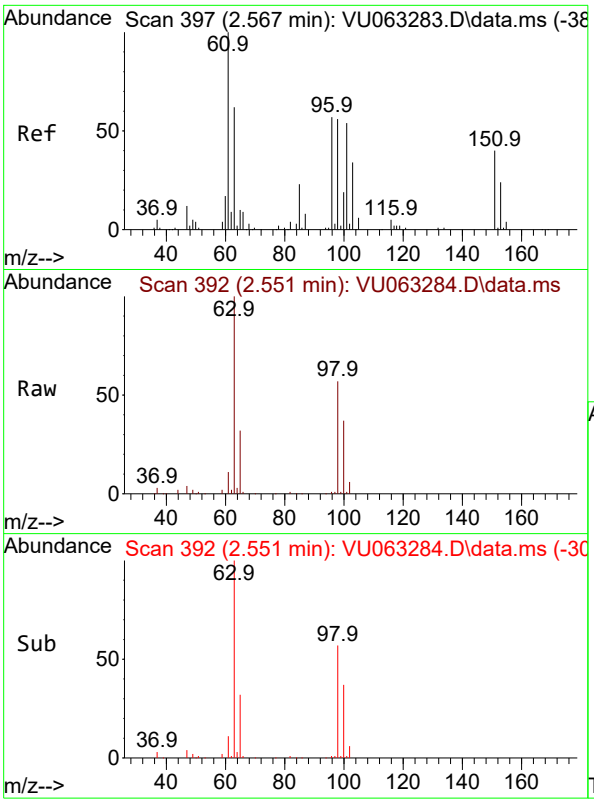


#8
Chloroethane
Concen: 0.00 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 64 Resp: 43

Ion	Ratio	Lower	Upper
64	100		
66	0.0	22.7	42.3#

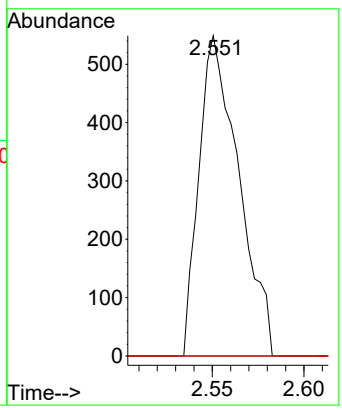


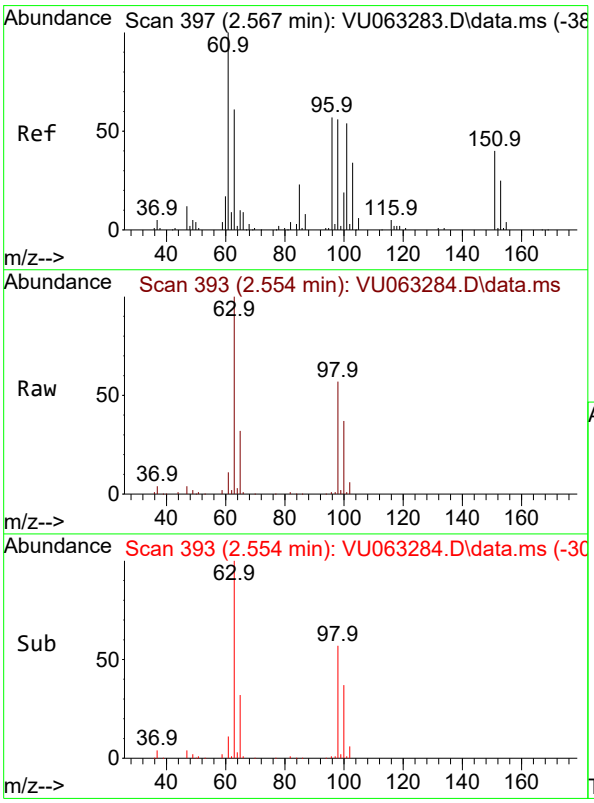


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.551 min Scan# 392
Delta R.T. -0.016 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:101 Resp: 827

Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.8	53.6#
151	0.0	56.4	84.6#

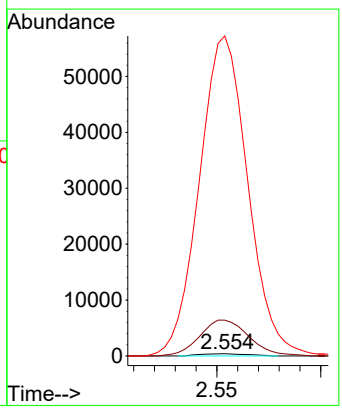


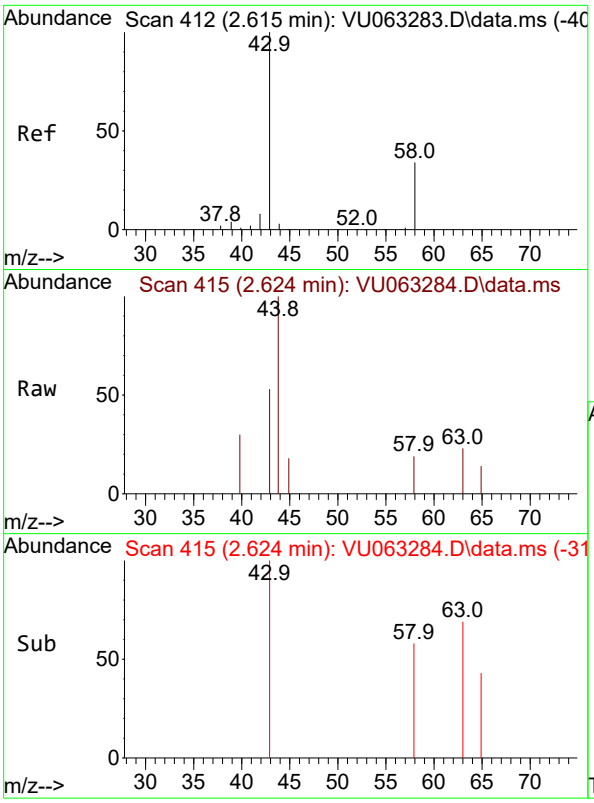


#12
1,1-Dichloroethene
Concen: 0.05 ug/L
RT: 2.554 min Scan# 393
Delta R.T. -0.013 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 96 Resp: 635

Ion	Ratio	Lower	Upper
96	100		
61	1596.8	117.8	218.8#
63	14240.8	86.0	159.6#

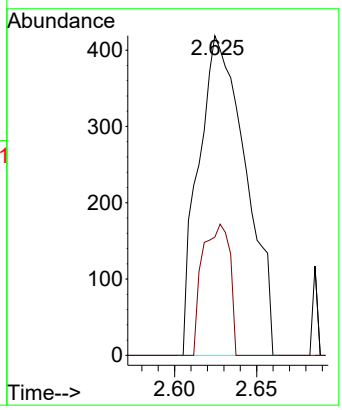


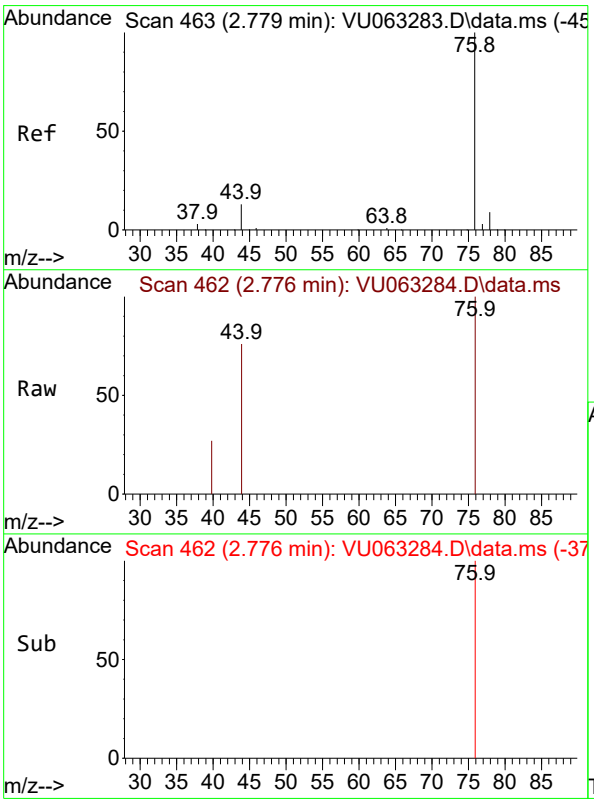


#13
Acetone
Concen: 0.39 ug/L
RT: 2.624 min Scan# 415
Delta R.T. 0.010 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 43 Resp: 839

Ion	Ratio	Lower	Upper
43	100		
58	23.7	0.0	66.8

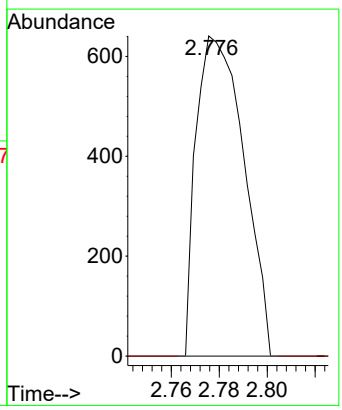


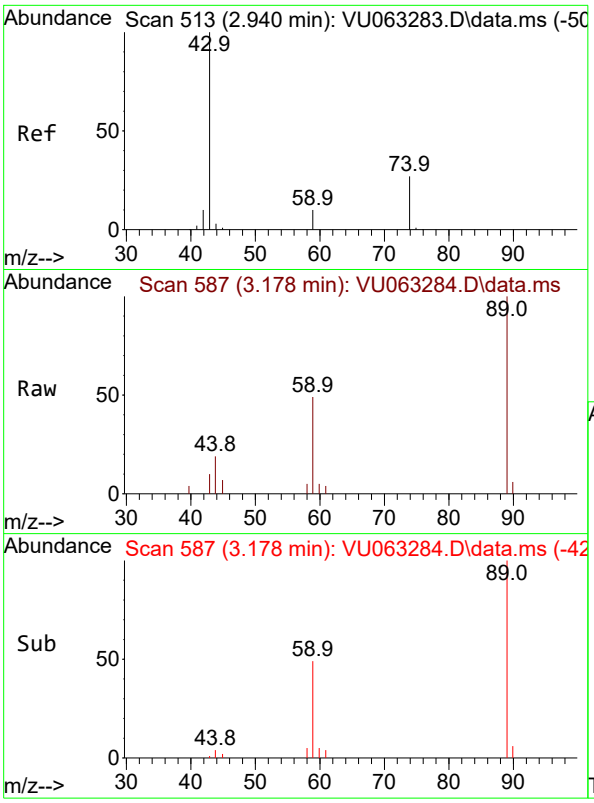


#14
Carbon disulfide
Concen: 0.02 ug/L
RT: 2.776 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 76 Resp: 883

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8#

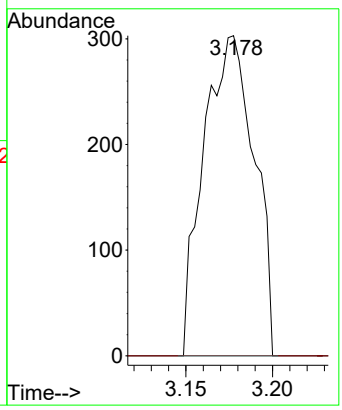


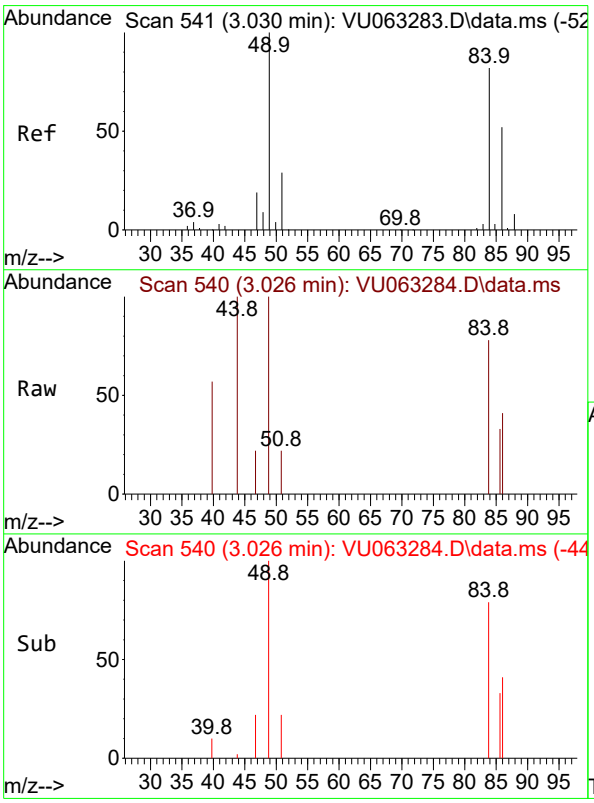


#15
Methyl Acetate
Concen: 0.11 ug/L
RT: 3.178 min Scan# 587
Delta R.T. 0.238 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 43 Resp: 615

Ion	Ratio	Lower	Upper
43	100		
74	0.0	20.2	30.2#

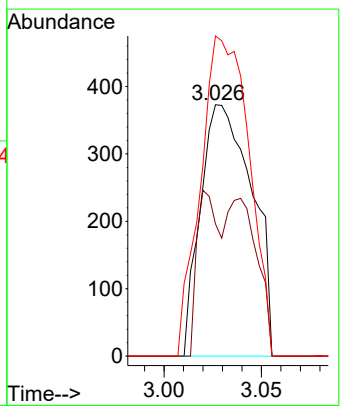


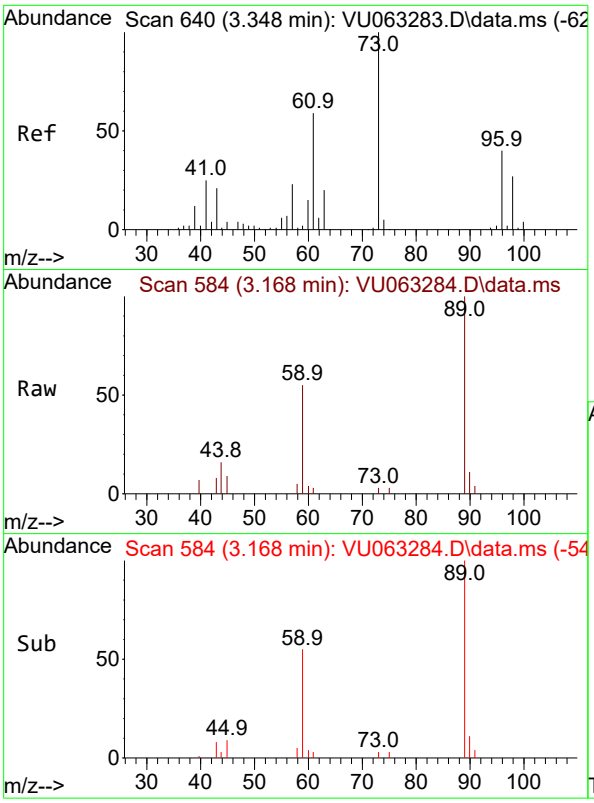


#16
Methylene chloride
Concen: 0.04 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 84 Resp: 686

Ion	Ratio	Lower	Upper
84	100		
86	52.5	45.3	84.1
49	127.3	83.4	154.8

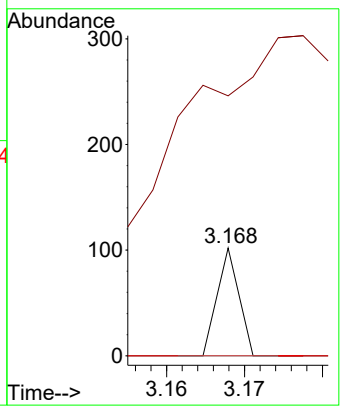


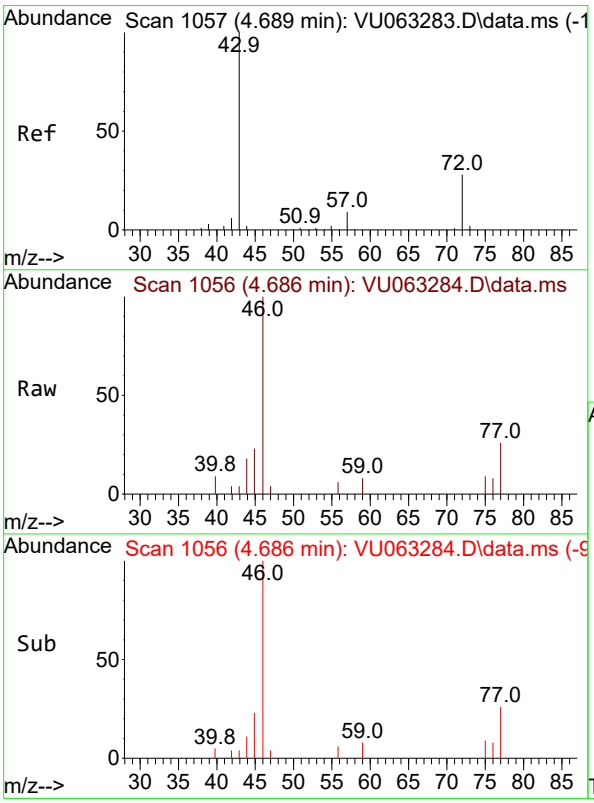


#17
Methyl tert-butyl Ether
Concen: 0.00 ug/L
RT: 3.168 min Scan# 584
Delta R.T. -0.180 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 73 Resp: 20

Ion	Ratio	Lower	Upper
73	100		
43	3075.0	15.7	23.5#
57	0.0	17.6	26.4#

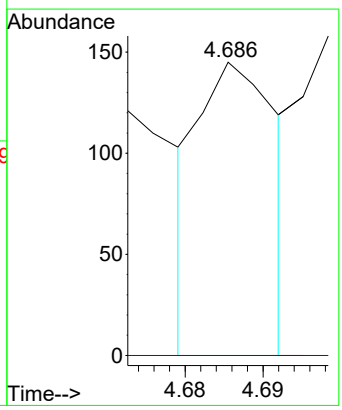


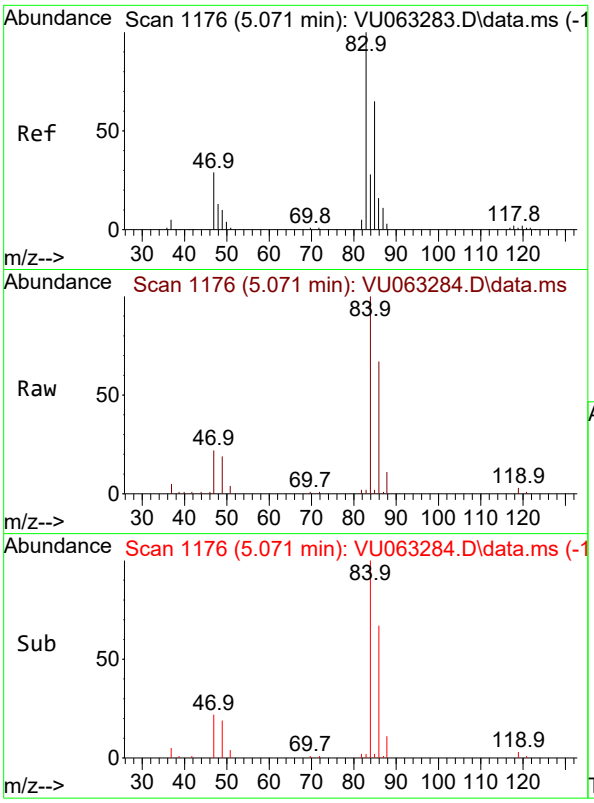


#21
2-Butanone
Concen: 0.03 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 43 Resp: 100

Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.5	43.5#

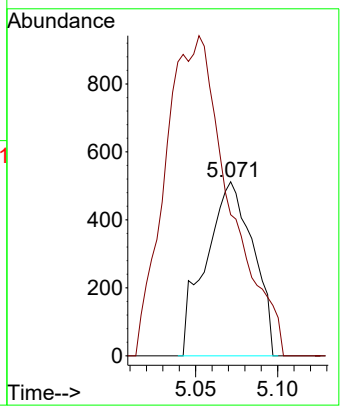


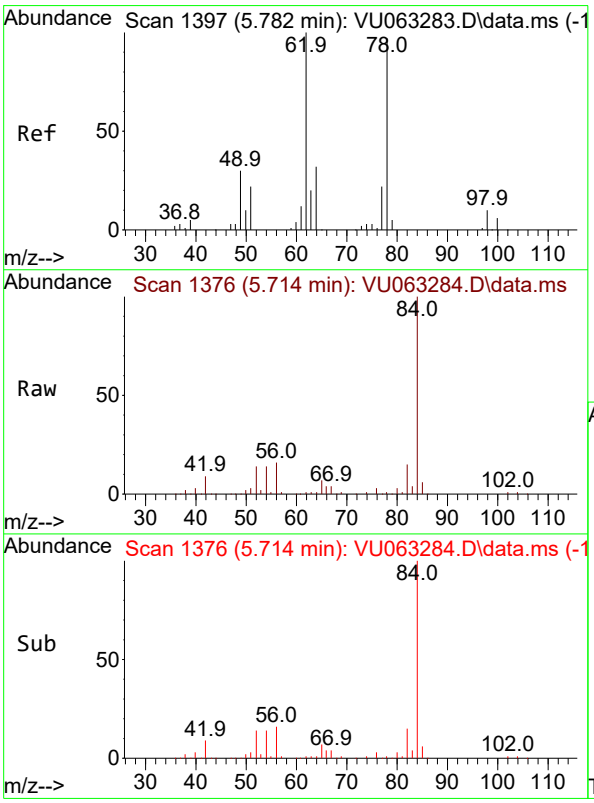


#25
Chloroform
Concen: 0.04 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 83 Resp: 1023

Ion	Ratio	Lower	Upper
83	100		
85	81.1	46.8	86.8

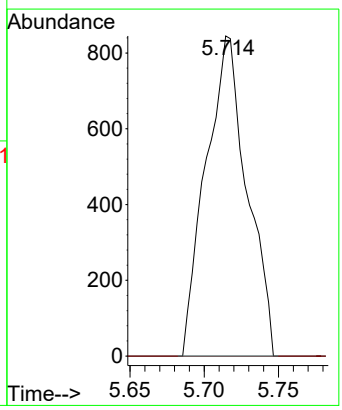


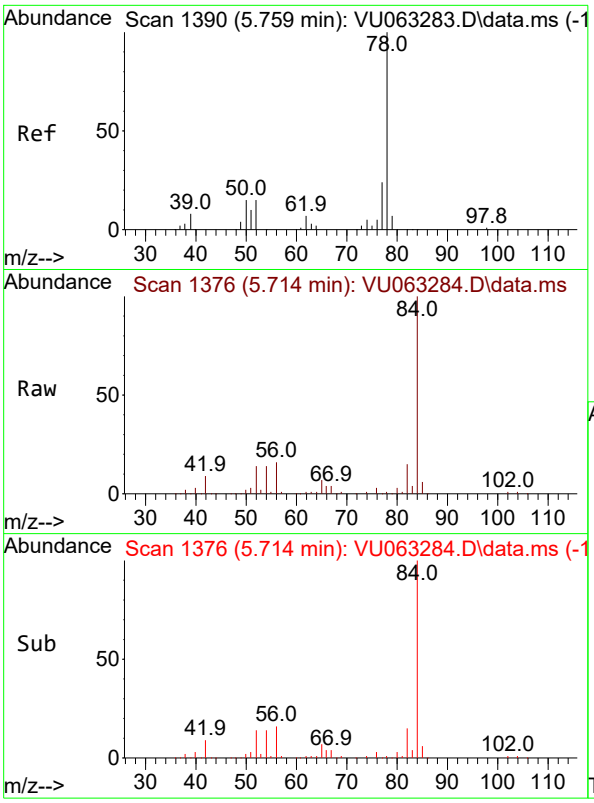


#27
1,2-Dichloroethane
Concen: 0.09 ug/L
RT: 5.714 min Scan# 1376
Delta R.T. -0.068 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 62 Resp: 1629

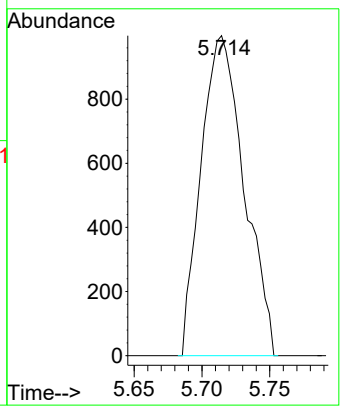
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#

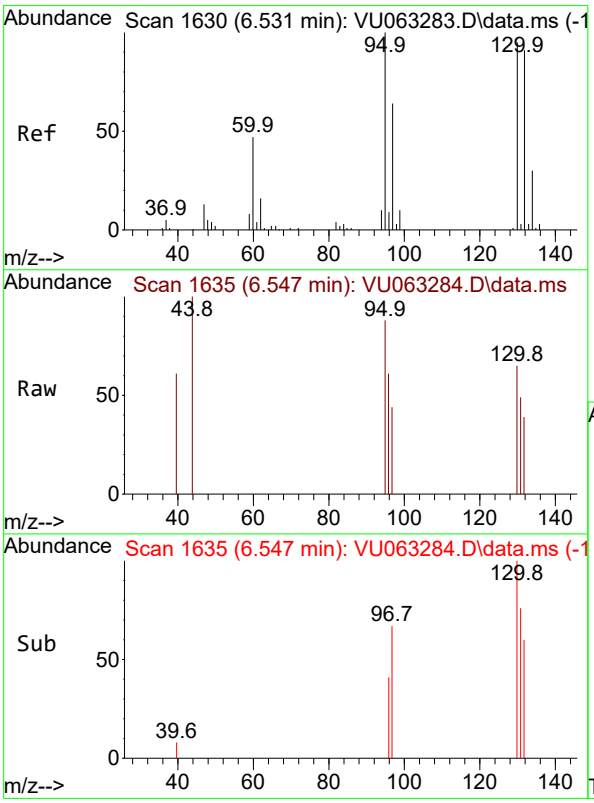




#33
Benzene
Concen: 0.03 ug/L
RT: 5.714 min Scan# 1376
Delta R.T. -0.045 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 78 Resp: 2205

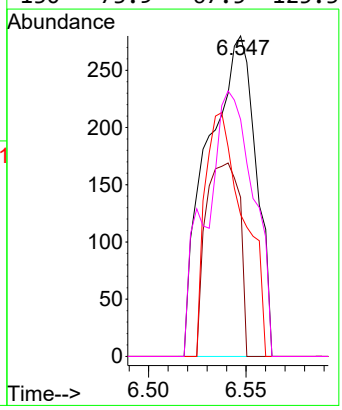


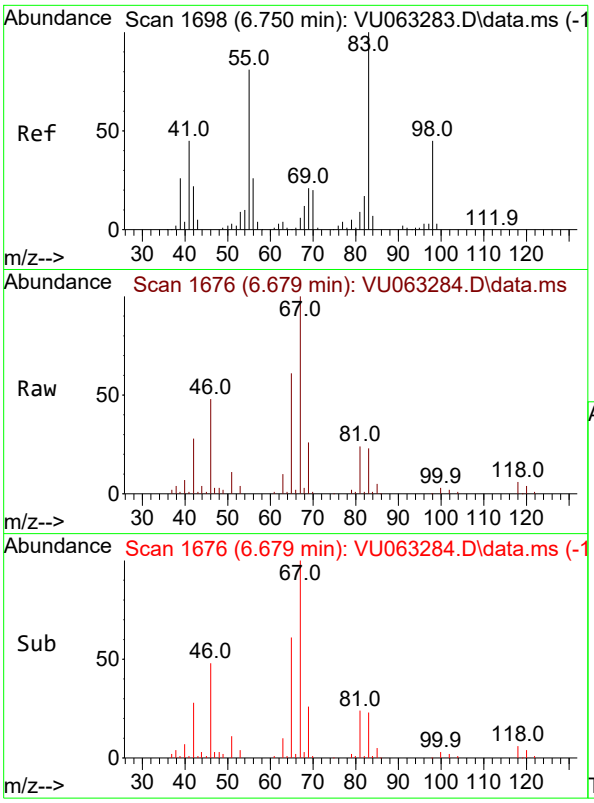


#34
Trichloroethene
Concen: 0.03 ug/L
RT: 6.547 min Scan# 1635
Delta R.T. 0.016 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 95 Resp: 483

Ion	Ratio	Lower	Upper
95	100		
97	49.6	45.0	83.6
132	44.3	64.0	119.0#
130	73.9	67.5	125.3

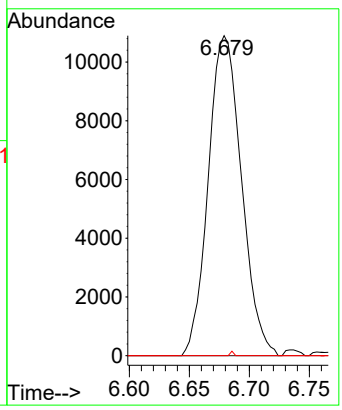


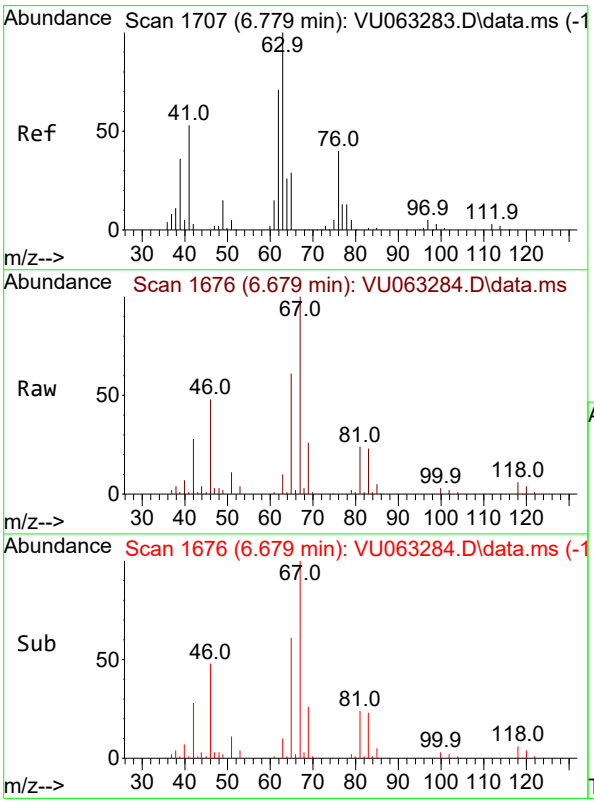


#35
Methylcyclohexane
Concen: 0.90 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.071 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 83 Resp: 20983

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.7	94.1#
98	0.1	34.3	51.5#

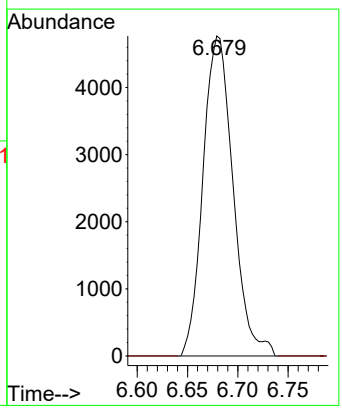


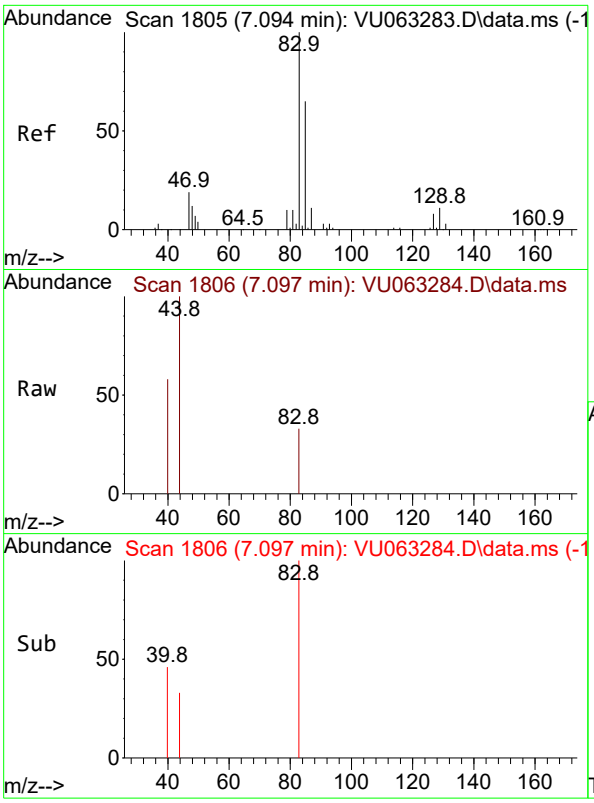


#37
1,2-Dichloropropane
Concen: 0.58 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.100 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 63 Resp: 9896

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.4#

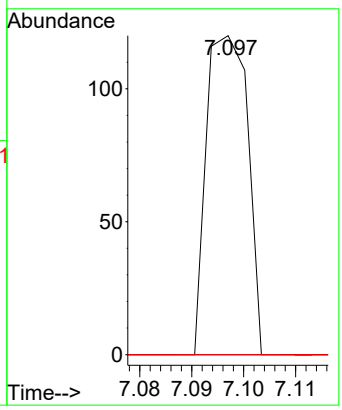


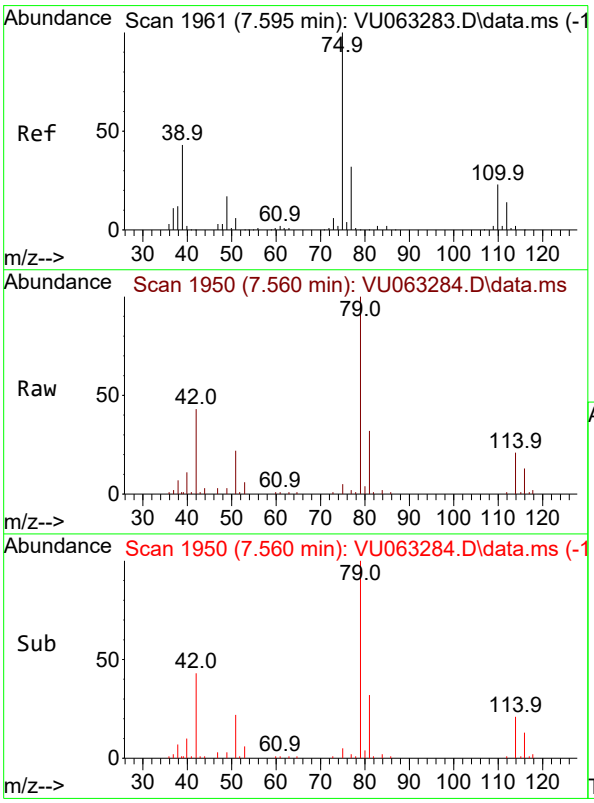


#38
Bromodichloromethane
Concen: 0.00 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 83 Resp: 66

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.3	82.3#
127	0.0	6.9	10.3#

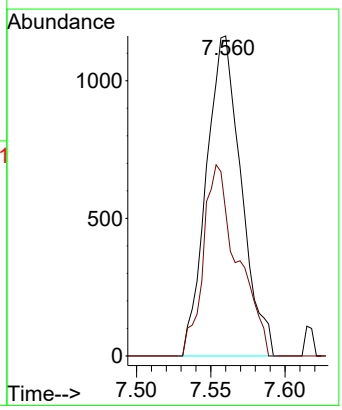


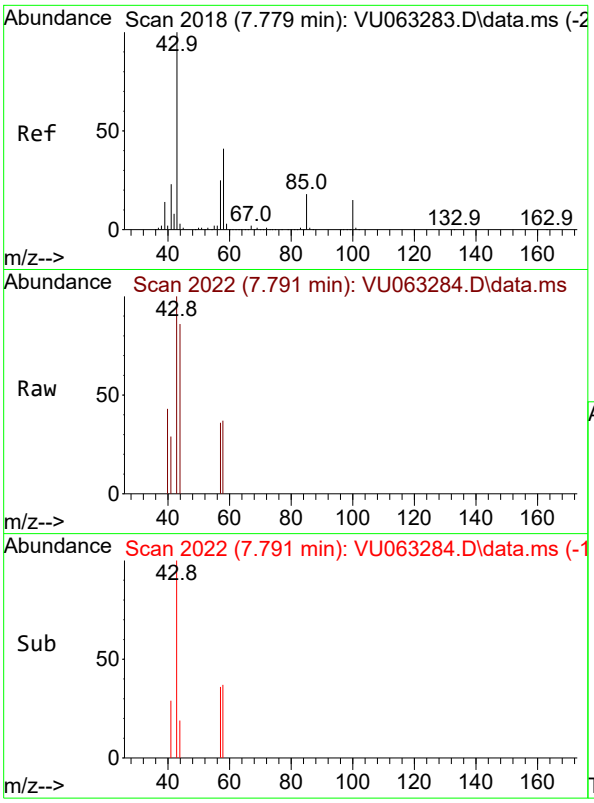


#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.560 min Scan# 1950
Delta R.T. -0.035 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 75 Resp: 1900

Ion	Ratio	Lower	Upper
75	100		
77	45.1	21.3	39.6#

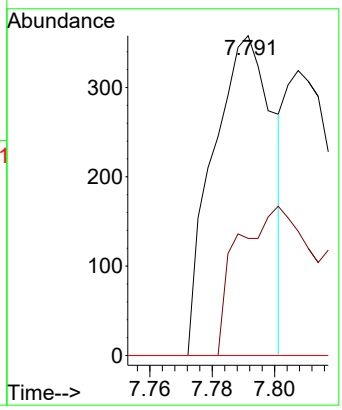


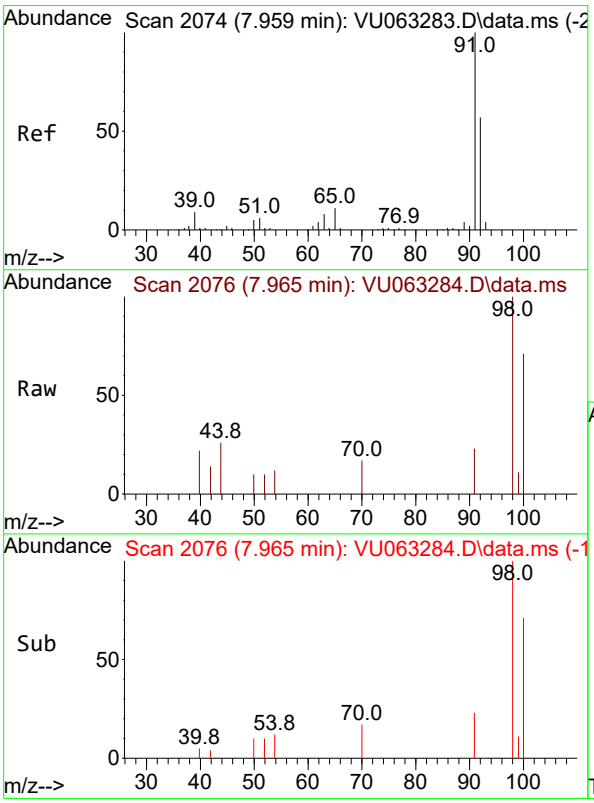


#40
4-Methyl-2-pentanone
Concen: 0.05 ug/L
RT: 7.791 min Scan# 2022
Delta R.T. 0.013 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 43 Resp: 477

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.1	49.7#
100	0.0	11.9	17.9#

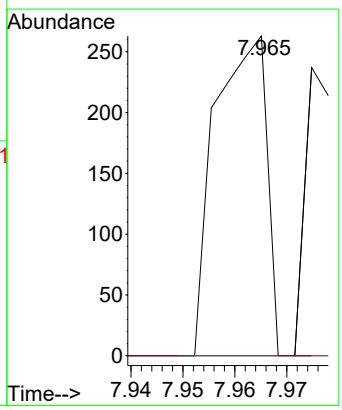


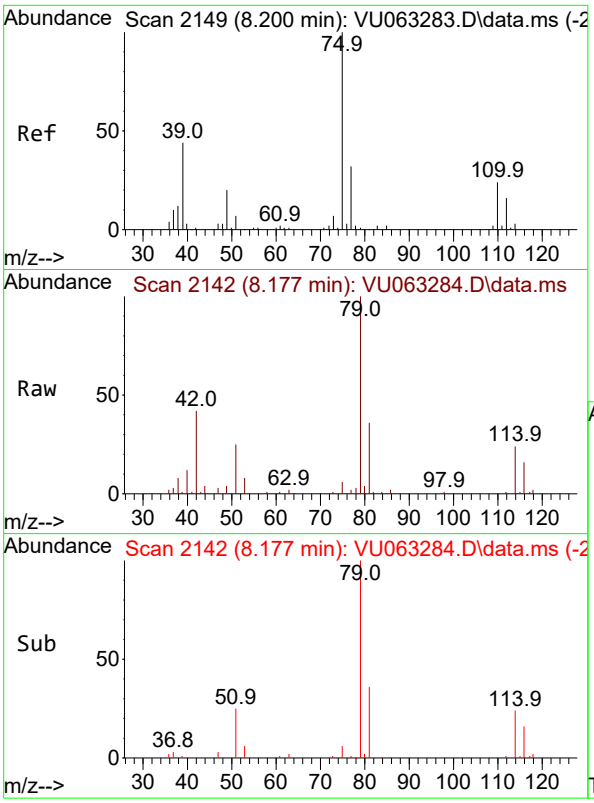


#42
Toluene
Concen: 0.00 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.006 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 91 Resp: 181

Ion	Ratio	Lower	Upper
91	100		
92	0.0	39.9	74.1#

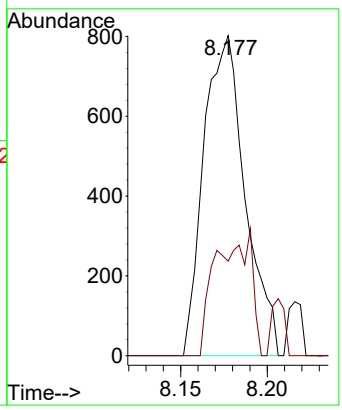


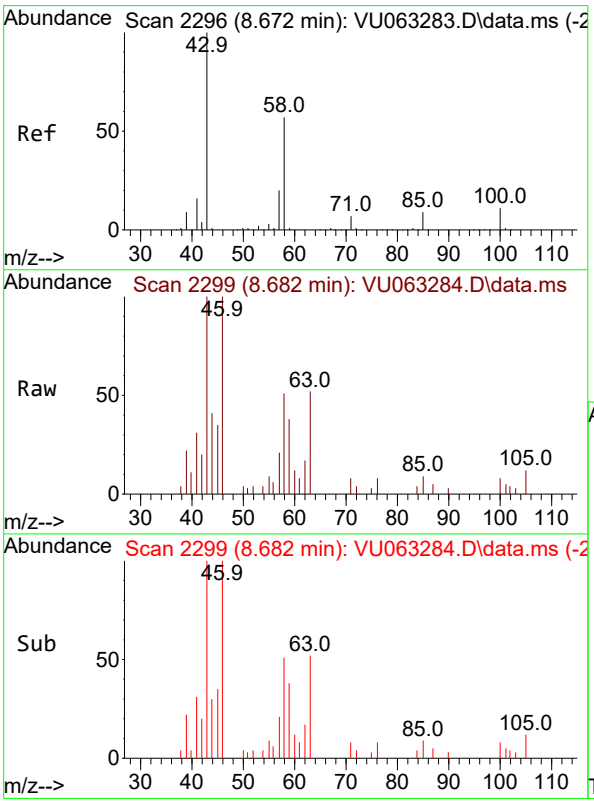


#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.177 min Scan# 2142
Delta R.T. -0.023 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 75 Resp: 1336

Ion	Ratio	Lower	Upper
75	100		
77	29.6	22.1	41.1

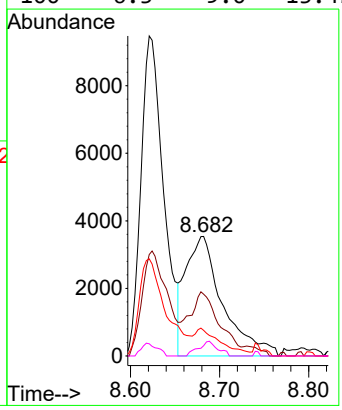


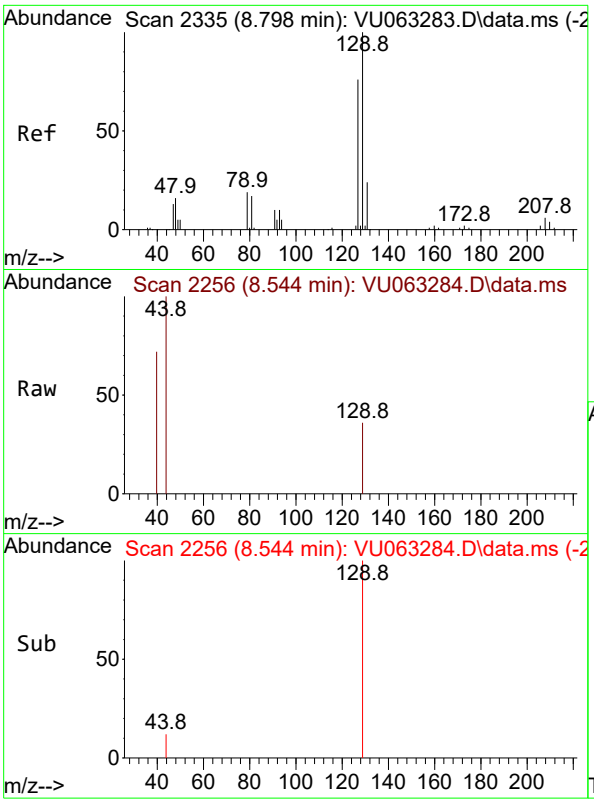


#48
2-Hexanone
Concen: 1.64 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 43 Resp: 10260

Ion	Ratio	Lower	Upper
43	100		
58	35.7	45.8	68.8#
57	15.8	15.5	23.3
100	6.3	9.0	13.4#

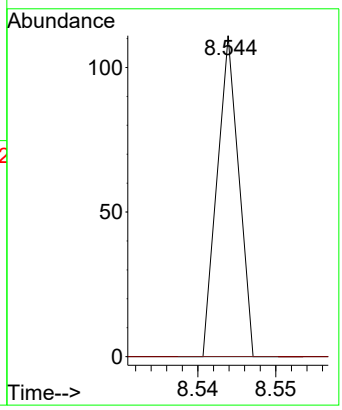


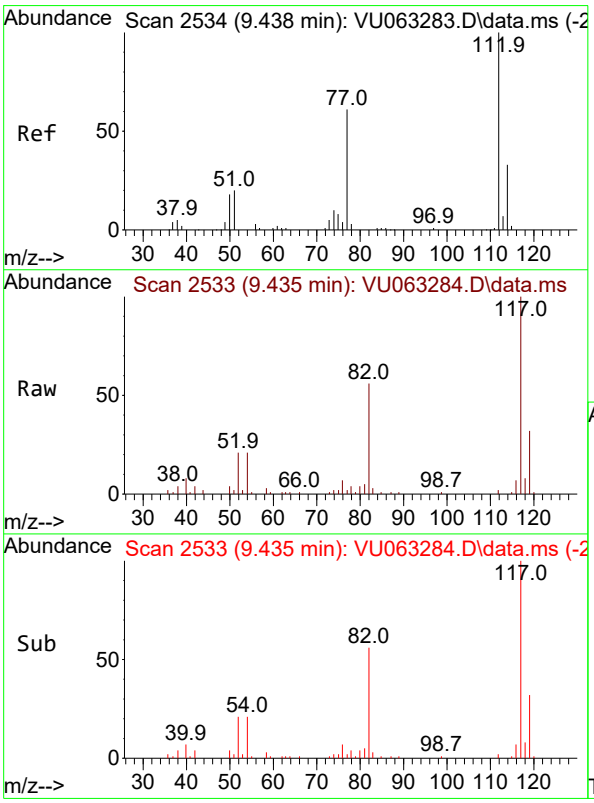


#49
Dibromochloromethane
Concen: 0.00 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.254 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:129 Resp: 21

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.9	102.1#

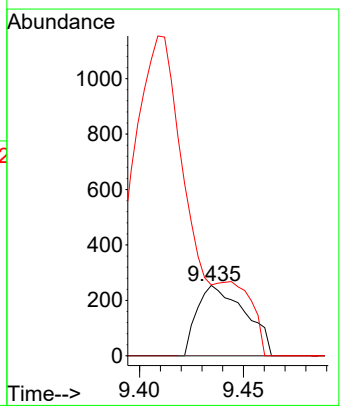


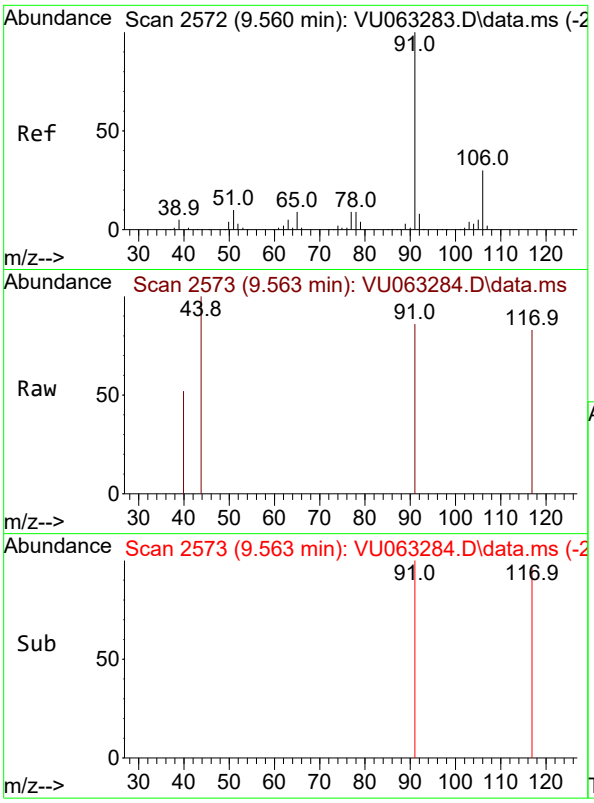


#51
Chlorobenzene
Concen: 0.01 ug/L
RT: 9.435 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:112 Resp: 407

Ion	Ratio	Lower	Upper
112	100		
114	0.0	22.2	41.2#
77	100.8	49.2	73.8#

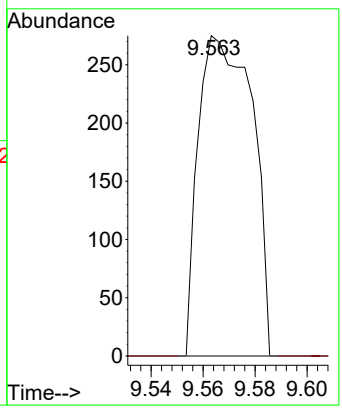


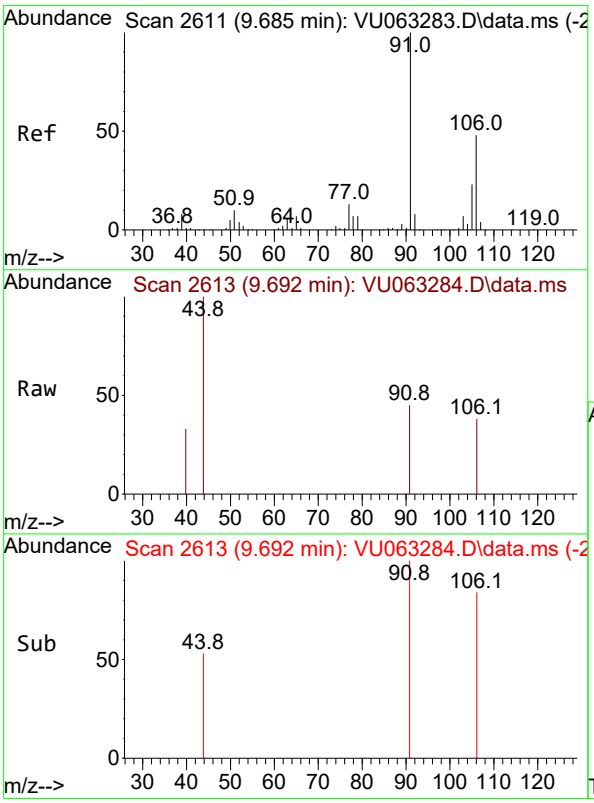


#52
Ethylbenzene
Concen: 0.01 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 91 Resp: 396

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	40.7#

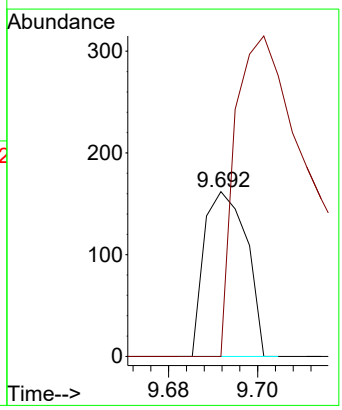


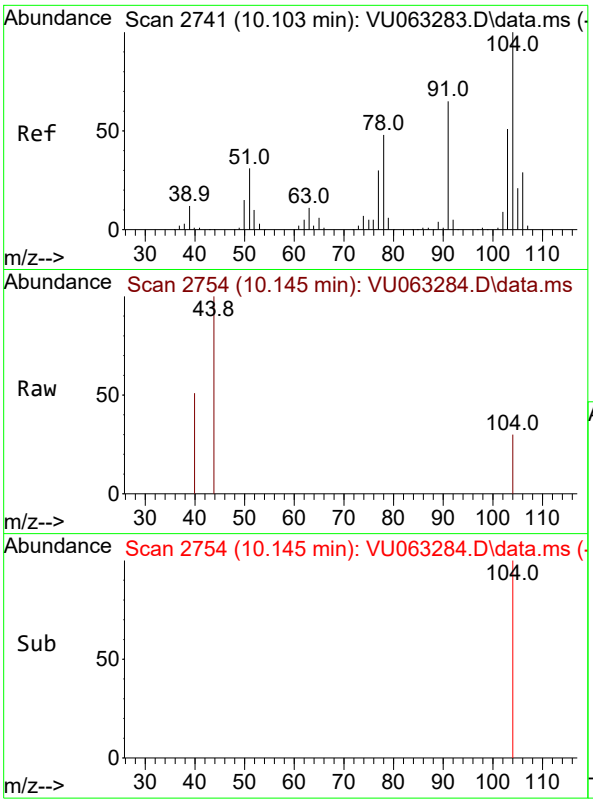


#53
m,p-Xylene
Concen: 0.00 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:106 Resp: 107

Ion	Ratio	Lower	Upper
106	100		
91	0.0	143.3	266.1#

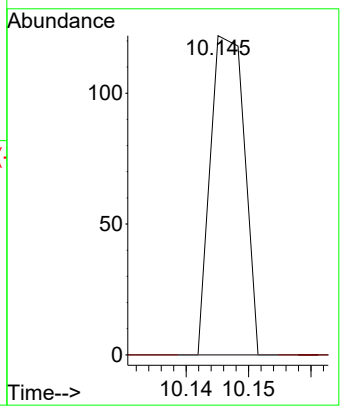


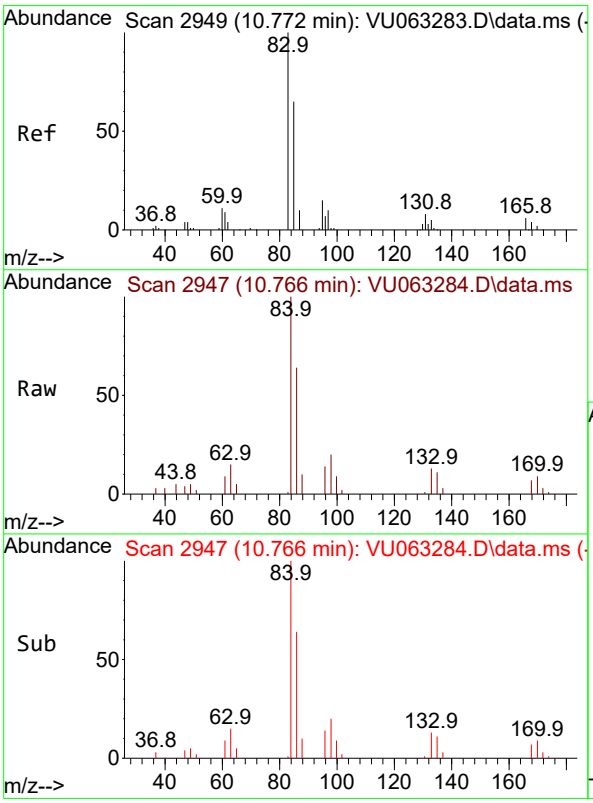


#55
Styrene
Concen: 0.00 ug/L
RT: 10.145 min Scan# 2754
Delta R.T. 0.042 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:104 Resp: 46

Ion	Ratio	Lower	Upper
104	100		
78	0.0	31.6	58.6#

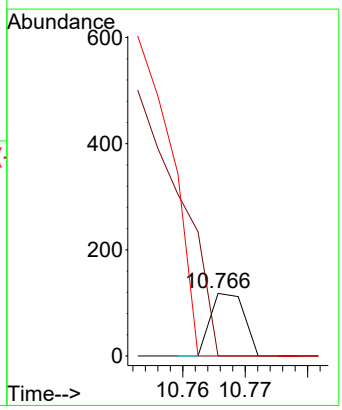


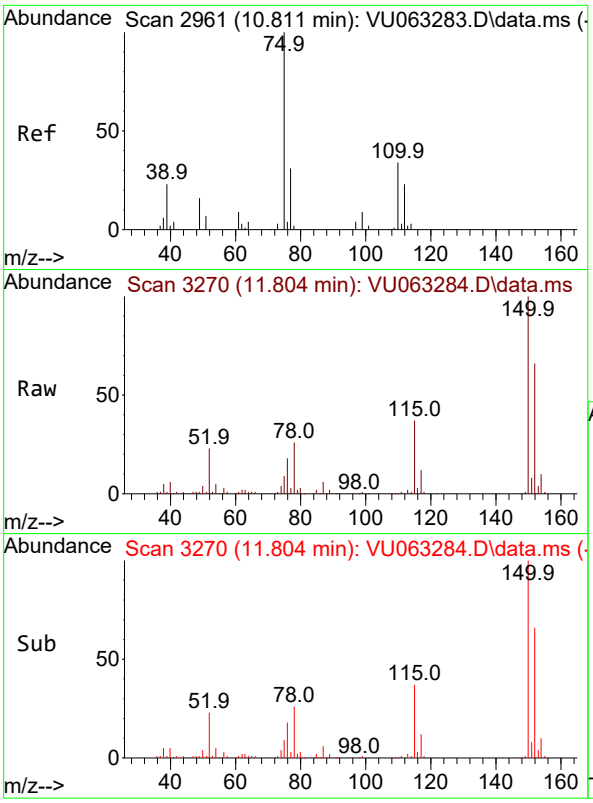


#57
1,1,2,2-Tetrachloroethane
Concen: 0.00 ug/L
RT: 10.766 min Scan# 2947
Delta R.T. -0.006 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 83 Resp: 44

Ion	Ratio	Lower	Upper
83	100		
85	0.0	44.9	83.5#
131	0.0	7.2	10.8#

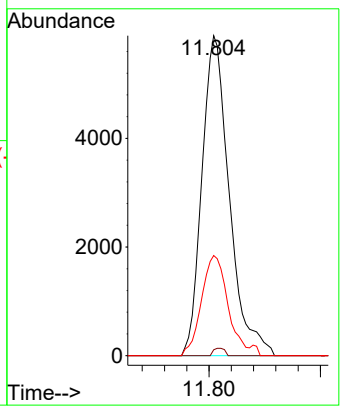


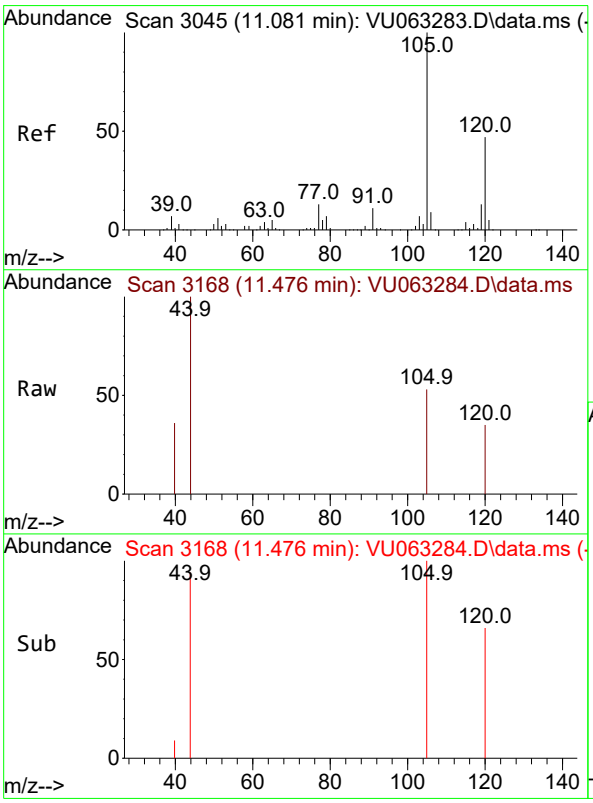


#61
1,2,3-Trichloropropane
Concen: 1.14 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.993 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 75 Resp: 10035

Ion	Ratio	Lower	Upper
75	100		
110	0.9	29.3	43.9#
77	30.9	25.8	38.8

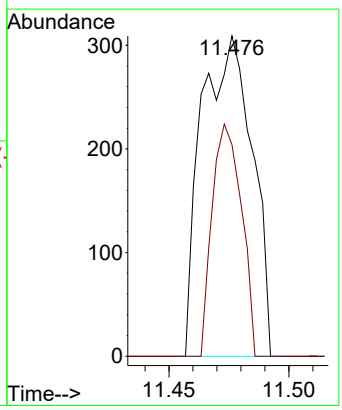


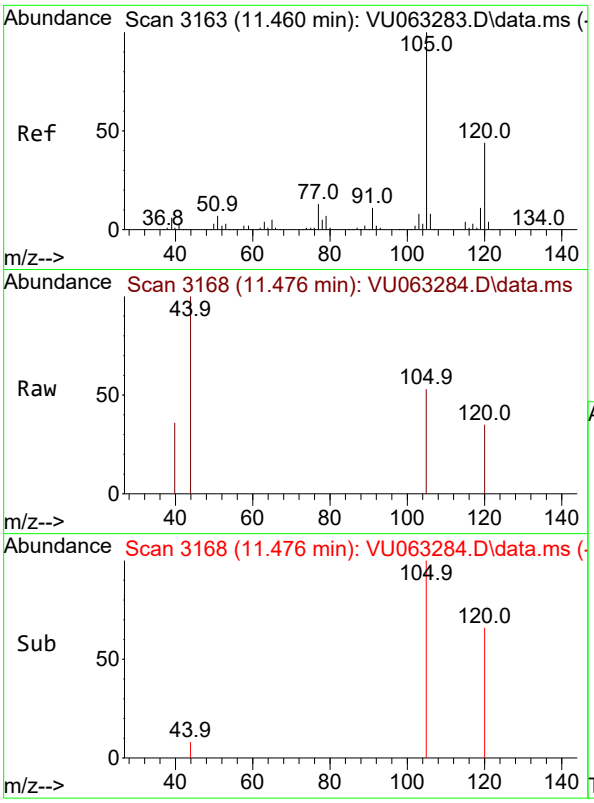


#62
1,3,5-Trimethylbenzene
Concen: 0.01 ug/L
RT: 11.476 min Scan# 3168
Delta R.T. 0.395 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:105 Resp: 453

Ion	Ratio	Lower	Upper
105	100		
120	41.9	37.5	56.3

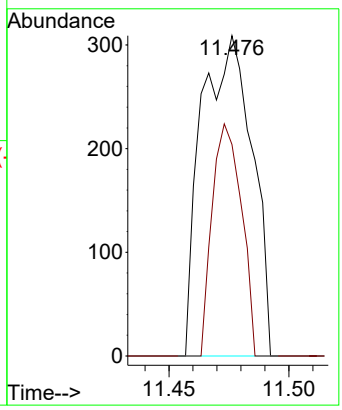


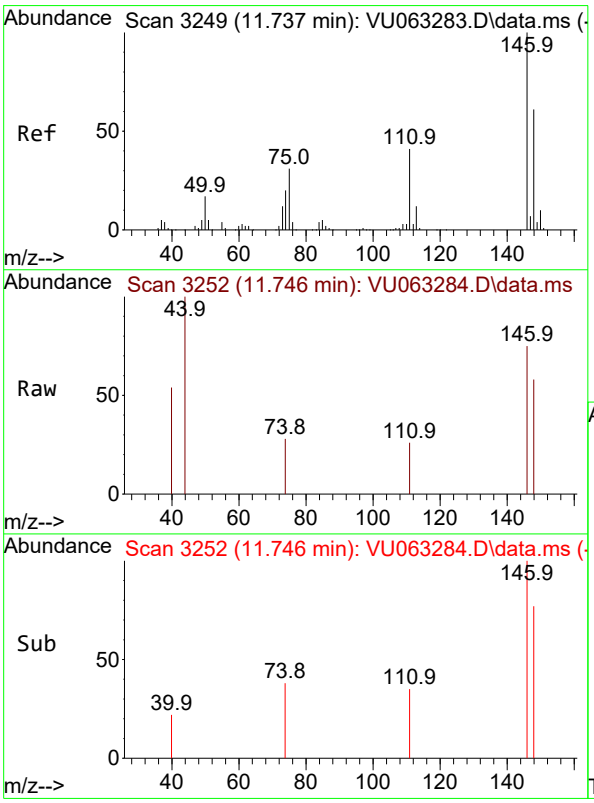


#63
1,2,4-Trimethylbenzene
Concen: 0.01 ug/L
RT: 11.476 min Scan# 3168
Delta R.T. 0.016 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:105 Resp: 453

Ion	Ratio	Lower	Upper
105	100		
120	41.9	35.1	52.7

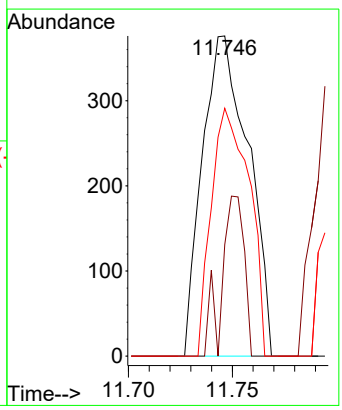


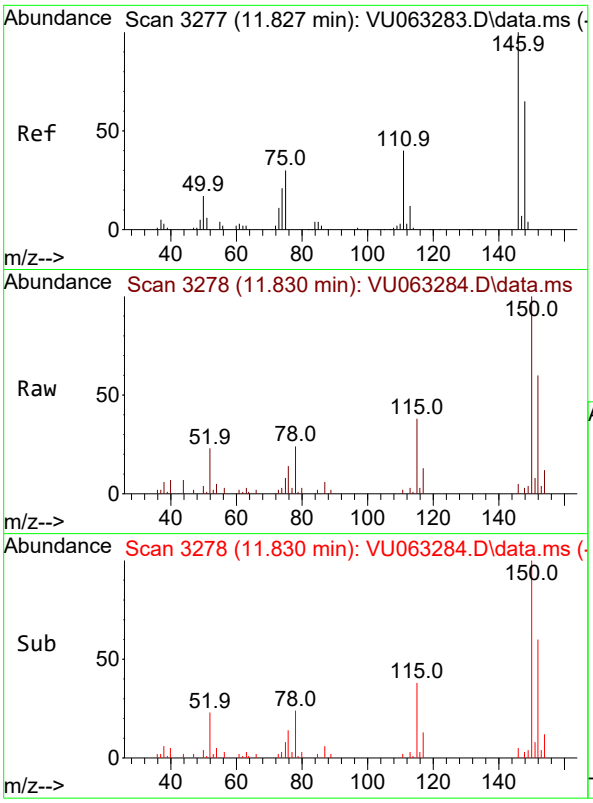


#64
1,3-Dichlorobenzene
Concen: 0.02 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.010 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:146 Resp: 579

Ion	Ratio	Lower	Upper
146	100		
111	34.8	28.5	52.9
148	77.4	45.7	84.9

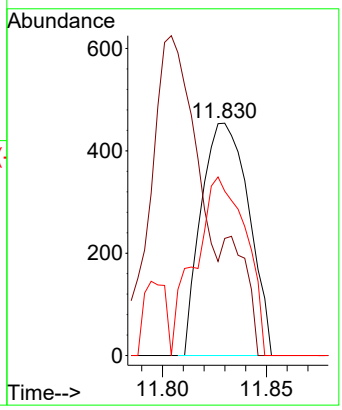


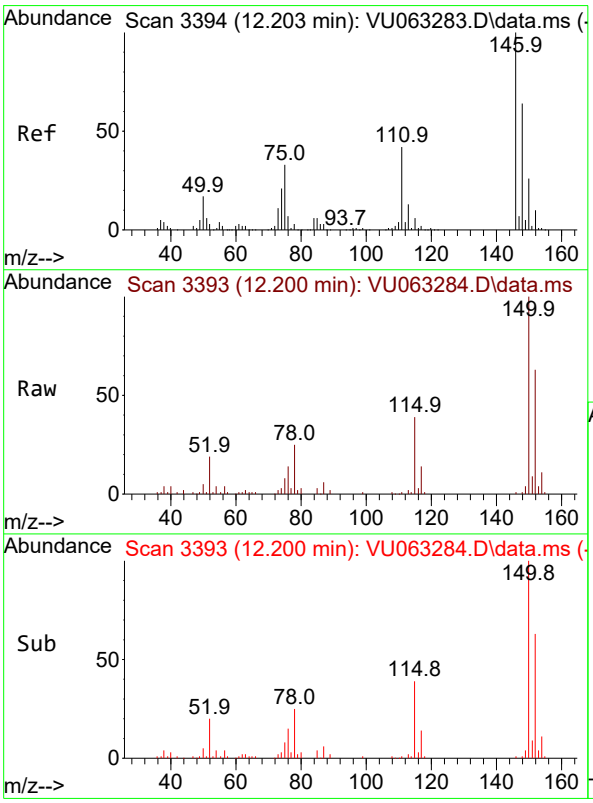


#65
1,4-Dichlorobenzene
Concen: 0.03 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:146 Resp: 722

Ion	Ratio	Lower	Upper
146	100		
111	50.4	28.3	52.5
148	70.7	45.0	83.6

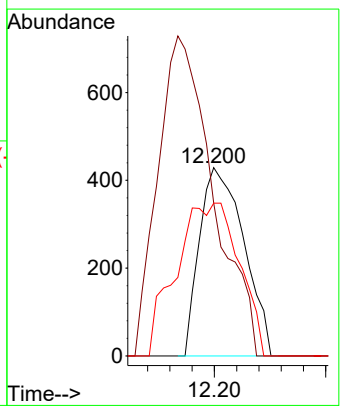


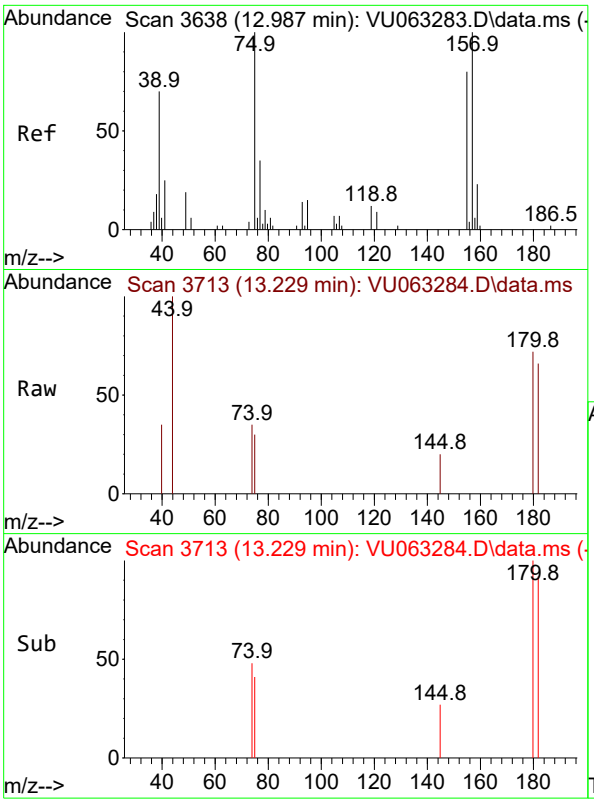


#67
1,2-Dichlorobenzene
Concen: 0.03 ug/L
RT: 12.200 min Scan# 3393
Delta R.T. -0.003 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:146 Resp: 593

Ion	Ratio	Lower	Upper
146	100		
111	81.1	33.9	50.9#
148	81.1	52.0	78.0#

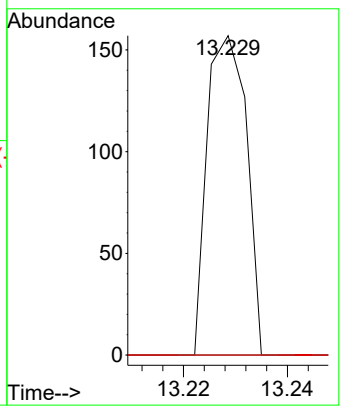


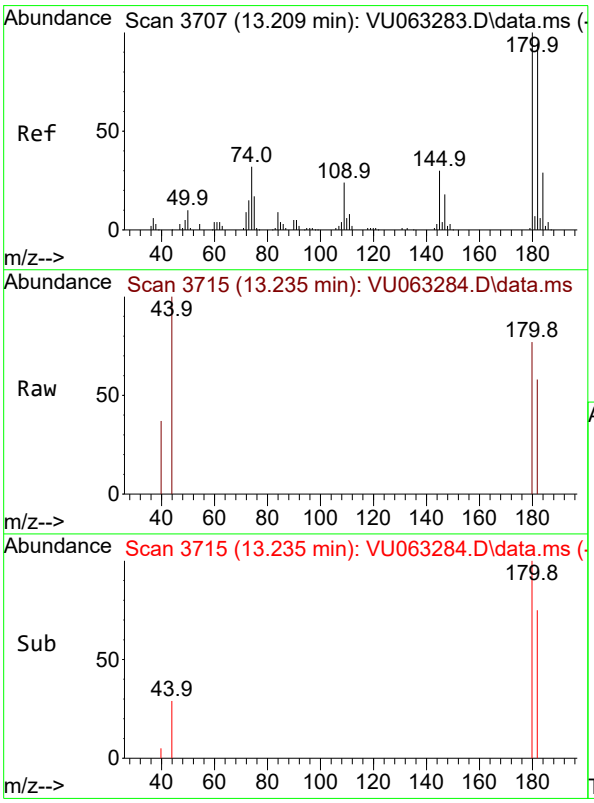


#68
1,2-Dibromo-3-chloropropane
Concen: 0.05 ug/L
RT: 13.229 min Scan# 3713
Delta R.T. 0.241 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion: 75 Resp: 82

Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.0	100.6#
157	0.0	80.9	121.3#

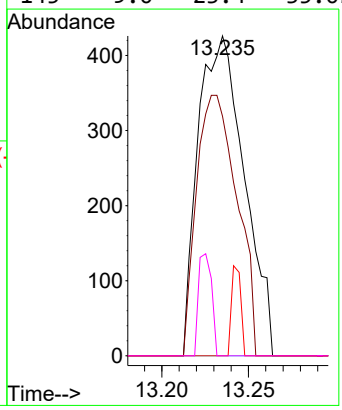


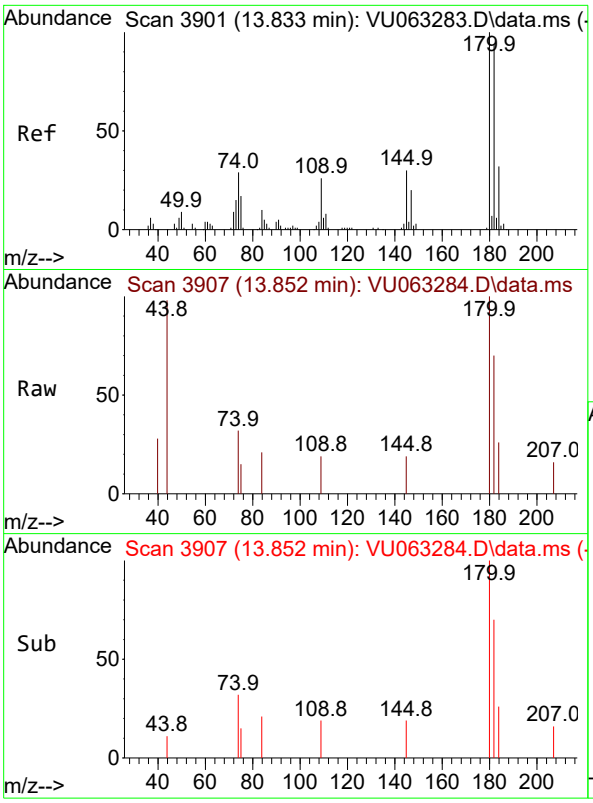


#69
1,3,5-Trichlorobenzene
Concen: 0.05 ug/L
RT: 13.235 min Scan# 3715
Delta R.T. 0.026 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:180 Resp: 789

Ion	Ratio	Lower	Upper
180	100		
182	71.4	77.6	116.4#
184	5.7	24.7	37.1#
145	9.0	23.4	35.0#

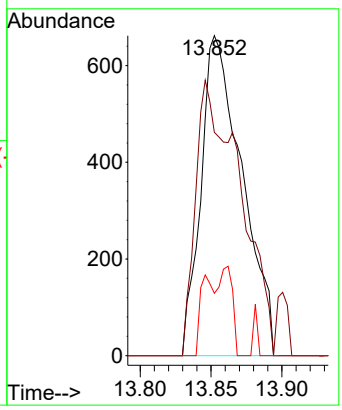


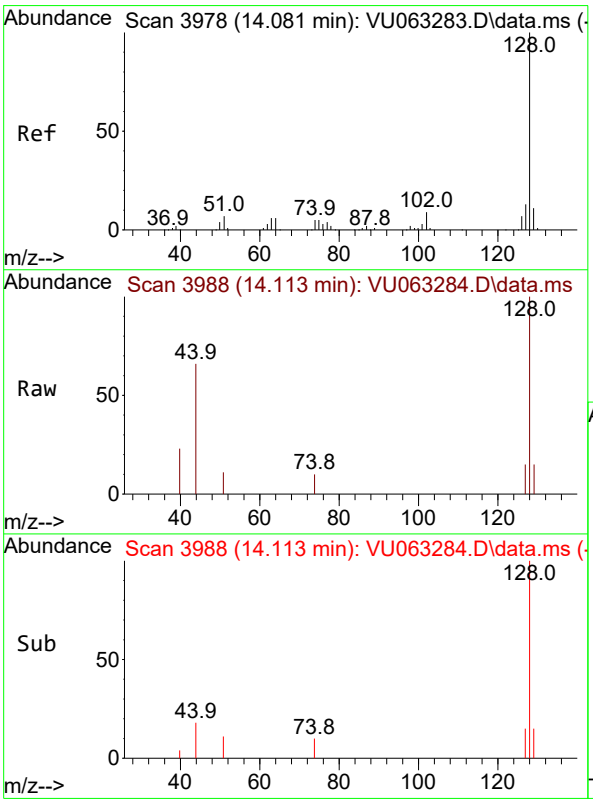


#70
1,2,4-trichlorobenzene
Concen: 0.11 ug/L
RT: 13.852 min Scan# 3907
Delta R.T. 0.019 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:180 Resp: 1336

Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.8	113.8
145	8.5	23.8	35.8#

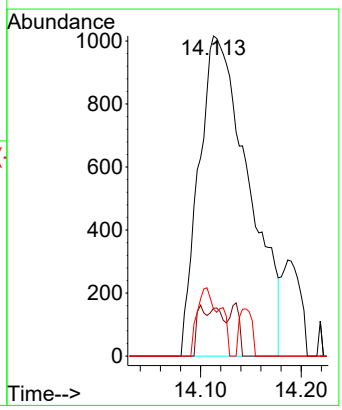


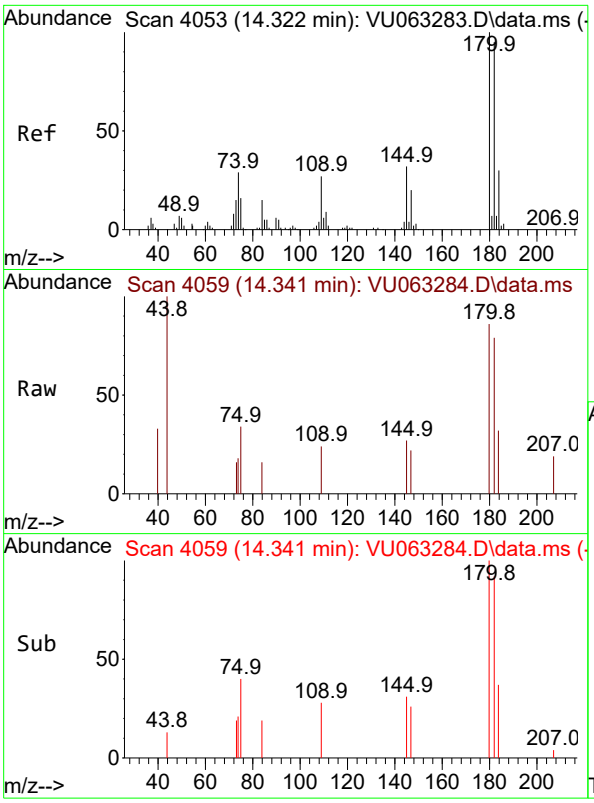


#71
Naphthalene
Concen: 0.21 ug/L
RT: 14.113 min Scan# 3988
Delta R.T. 0.032 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

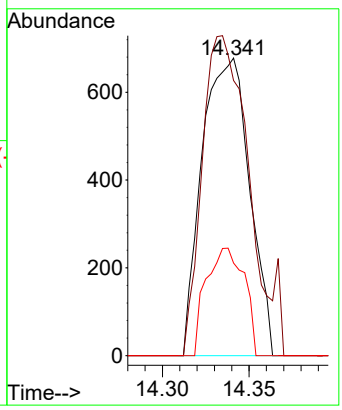
Tgt Ion:128 Resp: 3457

Ion	Ratio	Lower	Upper
128	100		
129	4.5	8.1	12.1#
127	7.4	10.8	16.2#





#72
1,2,3-Trichlorobenzene
Concen: 0.12 ug/L
RT: 14.341 min Scan# 4059
Delta R.T. 0.019 min
Lab File: VU063284.D
Acq: 14 Mar 2025 10:19

Tgt Ion:180 Resp: 1292

Ion	Ratio	Lower	Upper
180	100		
182	106.3	76.7	115.1
145	28.9	25.5	38.3