Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
Data File : VY023516.D
Acq On : 20 Oct 2025 18:09
Operator : SY/MD
Sample : Q3393-04
Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 21 04:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	634815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1071621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	942803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	398037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	300083	56.530	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.060%			
35) Dibromofluoromethane	7.640	113	343909	52.229	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.460%			
50) Toluene-d8	10.109	98	1284259	52.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.402	95	405010	50.027	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	1166	2.953	ug/l #	72
16) Acetone	3.873	43	42154	33.356	ug/l	96
17) Carbon Disulfide	4.110	76	123623	7.628	ug/l	99
20) Methylene Chloride	4.622	84	18005	2.635	ug/l	94
25) 2-Butanone	6.909	43	15090	9.781	ug/l #	84
31) Cyclohexane	7.713	56	15442	1.749	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	41793	4.794	ug/l #	48
37) Ethyl Acetate	6.909	43	15090	4.369	ug/l #	74
38) Carbon Tetrachloride	7.713	117	59021	5.584	ug/l #	17
39) Methylcyclohexane	9.079	83	45085	3.972	ug/l #	26
43) Isopropyl Acetate	8.195	43	7824	1.136	ug/l #	57
47) Bromodichloromethane	9.408	83	11236	1.157	ug/l #	30
48) Methyl methacrylate	9.256	41	5730	1.771	ug/l #	26
49) 1,4-Dioxane	8.981	88	62	1.387	ug/l #	30
55) 1,1,2-Trichloroethane	10.548	97	23420	4.517	ug/l #	31
56) Ethyl methacrylate	10.408	69	52404	8.762	ug/l #	84
59) 2-Hexanone	10.731	43	72627	28.563	ug/l #	27
74) N-amyl acetate	12.048	43	57620	12.230	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.481	83	34478	8.036	ug/l #	42
76) 1,2,3-Trichloropropane	12.408	75	183986	52.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	183986	128.474	ug/l #	19
95) Naphthalene	15.145	128	14266	1.207	ug/l #	62

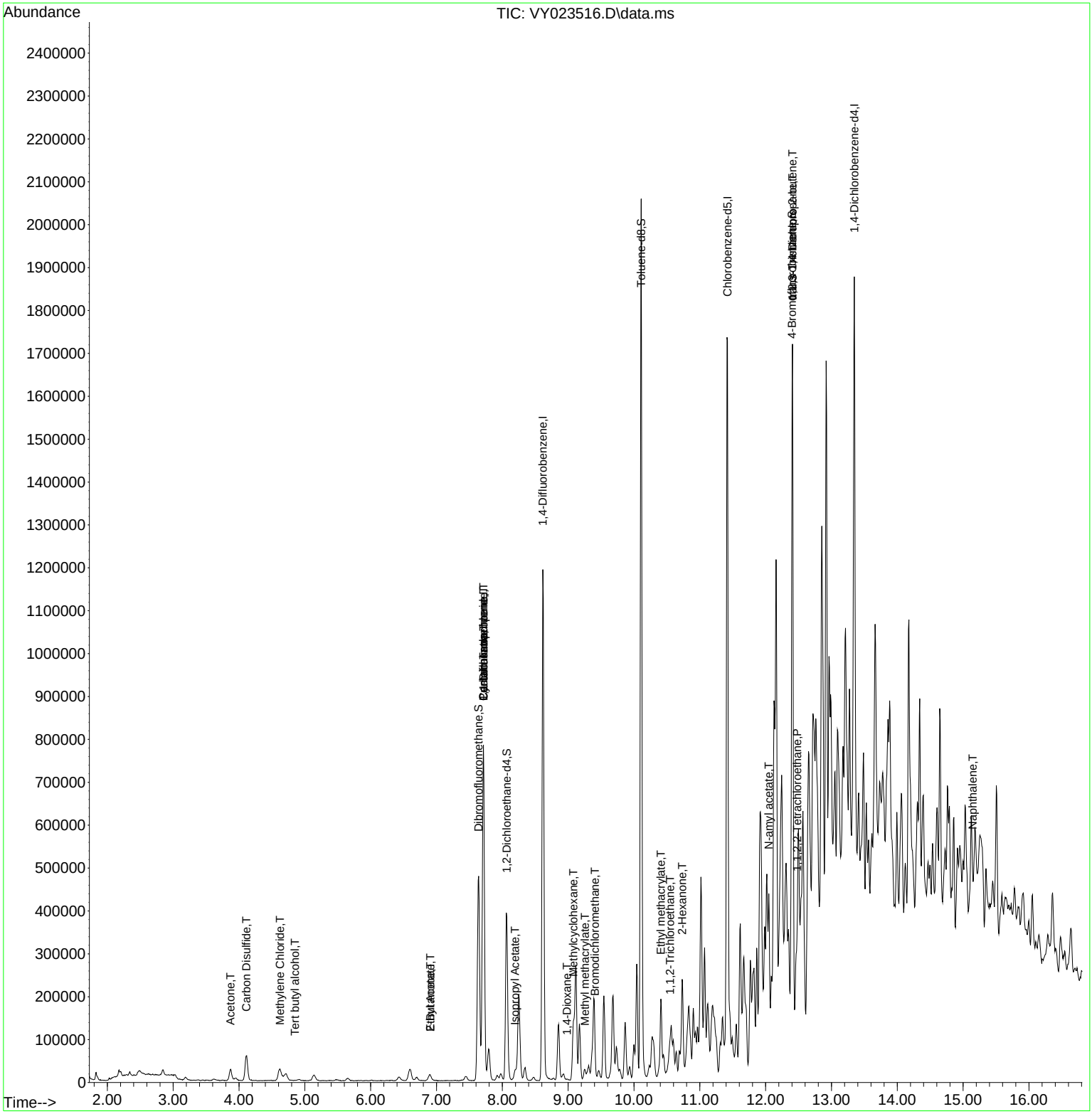
(#) = qualifier out of range (m) = manual integration (+) = signals summed

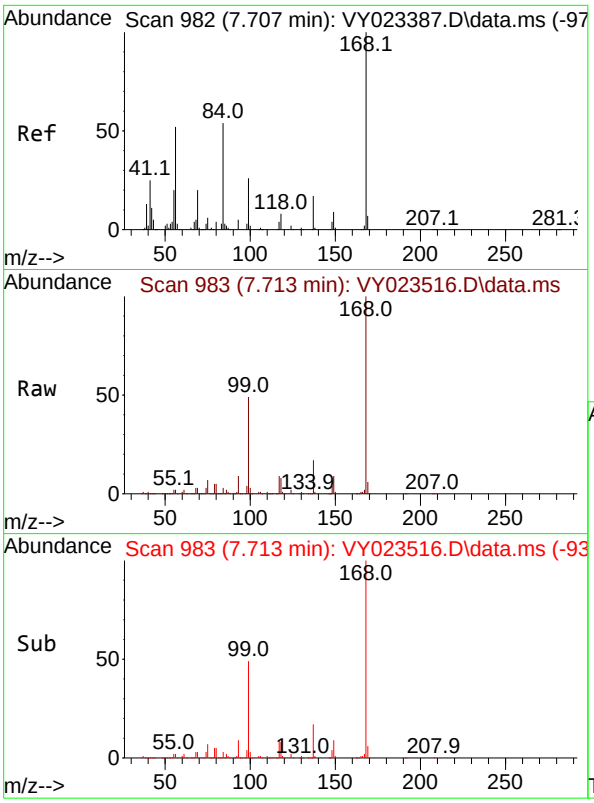
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
Data File : VY023516.D
Acq On : 20 Oct 2025 18:09
Operator : SY/MD
Sample : Q3393-04
Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 21 04:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



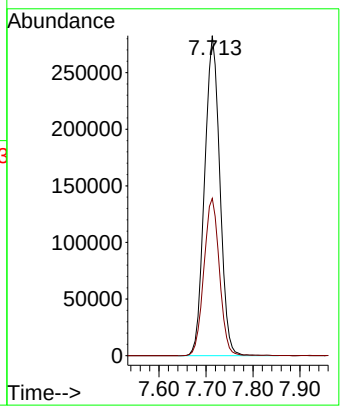


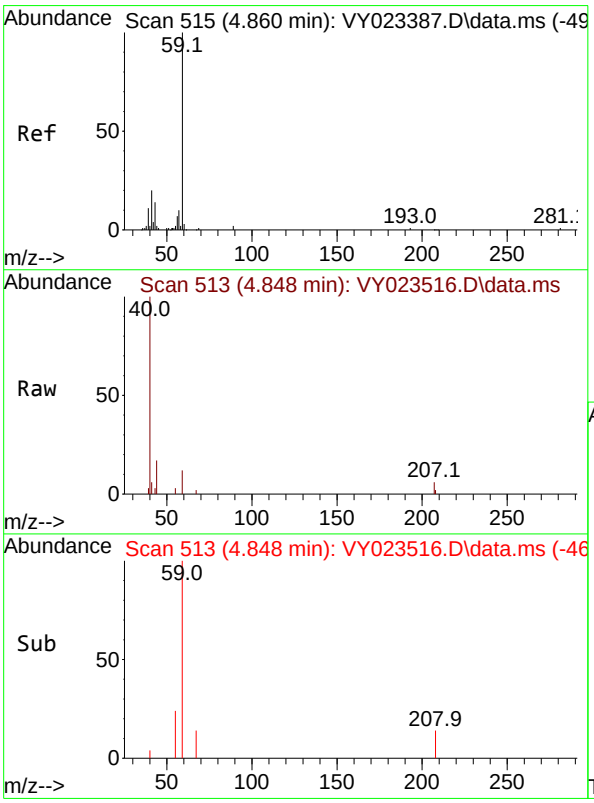
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 634815

Ion	Ratio	Lower	Upper
168	100		
99	49.1	39.7	59.5

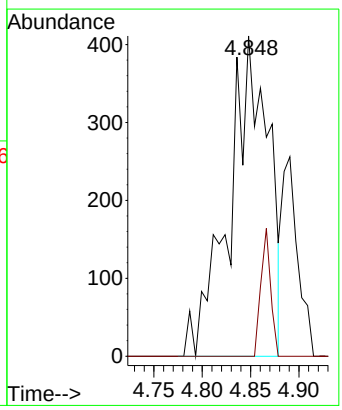


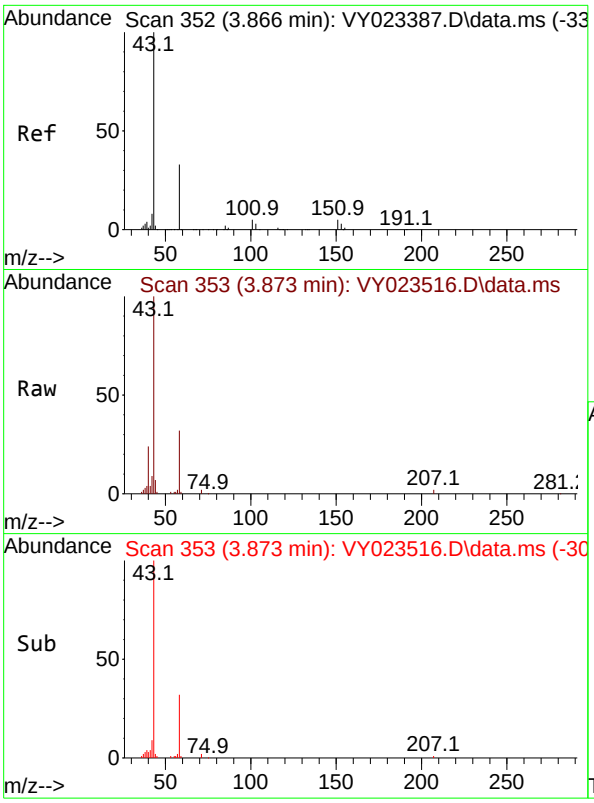


#11
Tert butyl alcohol
Concen: 2.953 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 59 Resp: 1166

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



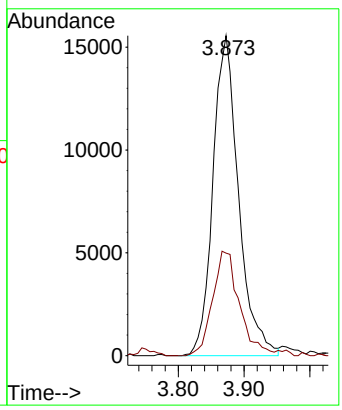


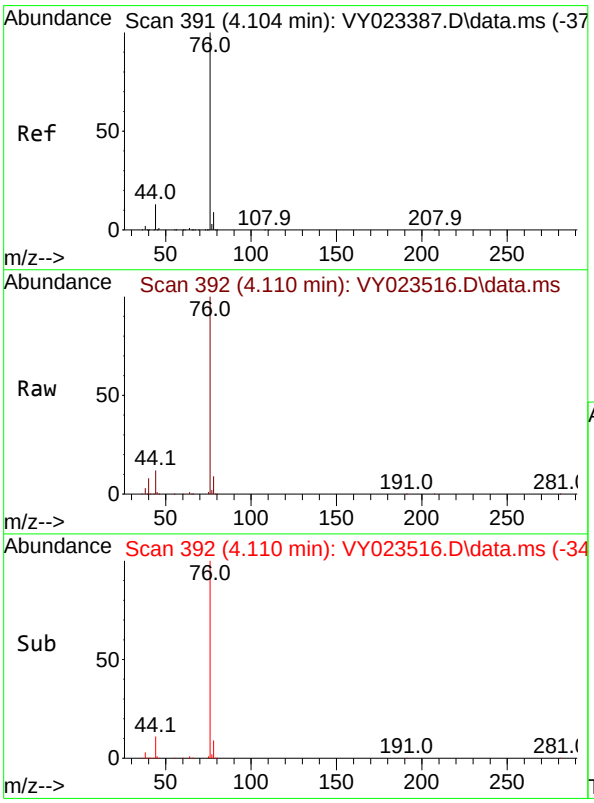
#16
Acetone
Concen: 33.356 ug/l
RT: 3.873 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 42154

Ion	Ratio	Lower	Upper
43	100		
58	32.0	27.7	41.5

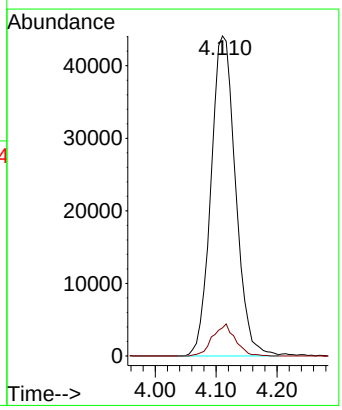


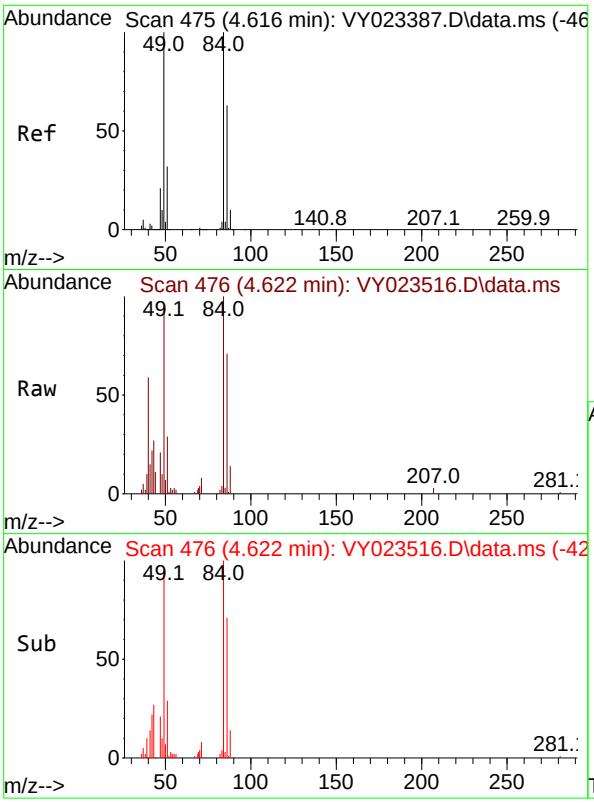


#17
Carbon Disulfide
Concen: 7.628 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 76 Resp: 123623

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9



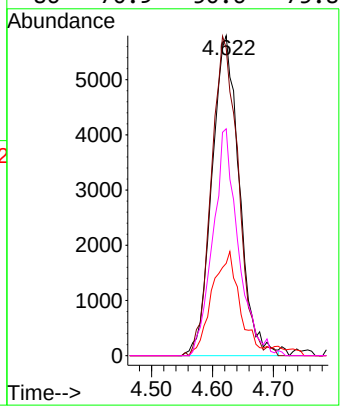


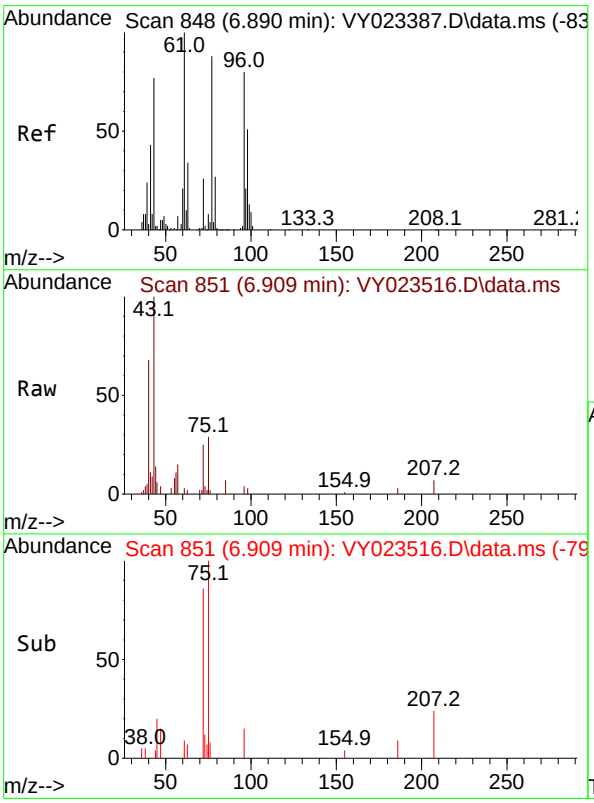
#20
Methylene Chloride
Concen: 2.635 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 18005

Ion	Ratio	Lower	Upper
84	100		
49	96.1	80.2	120.4
51	28.8	25.9	38.9
86	70.9	50.6	75.8

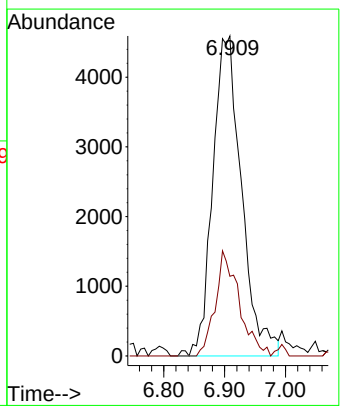


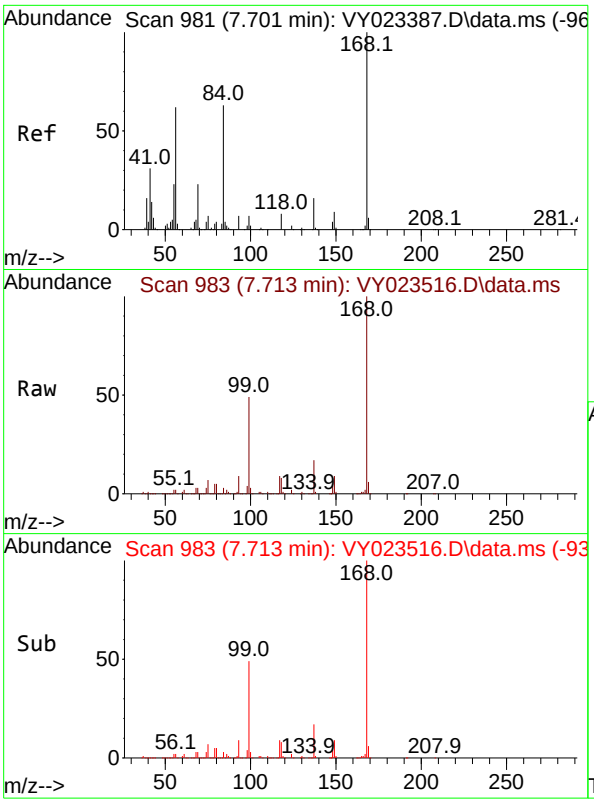


#25
2-Butanone
Concen: 9.781 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 43 Resp: 15090

Ion	Ratio	Lower	Upper
43	100		
72	24.9	27.4	41.2#



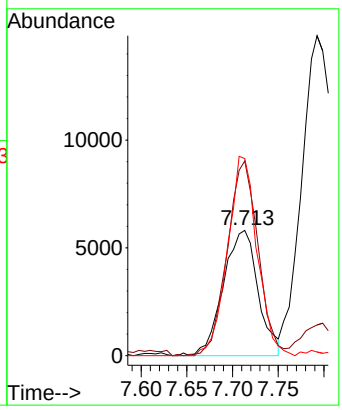


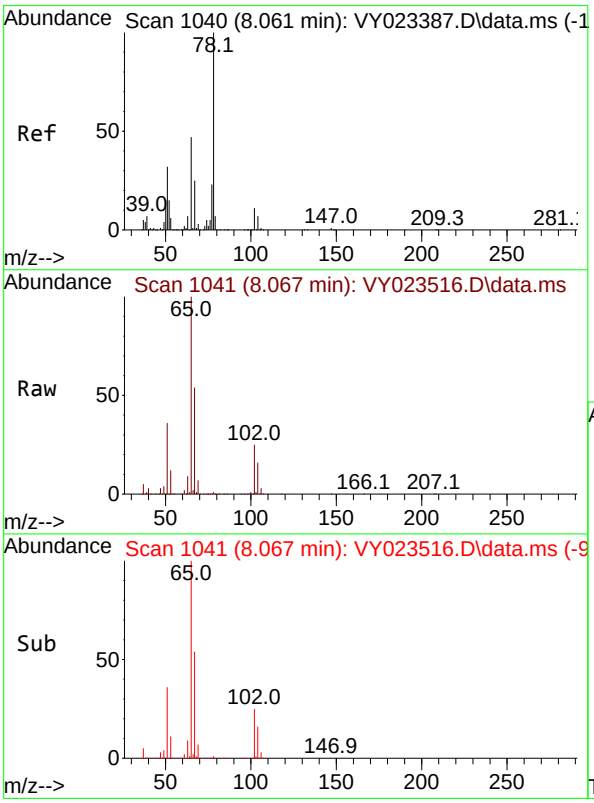
#31
Cyclohexane
Concen: 1.749 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 15442

Ion	Ratio	Lower	Upper
56	100		
69	154.2	30.0	45.0#
84	157.2	81.2	121.8#

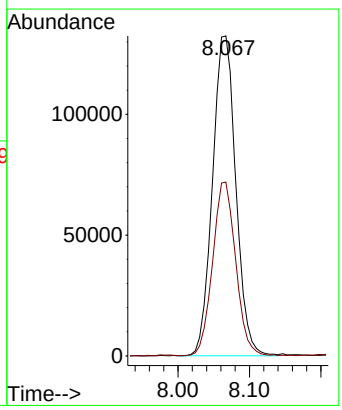


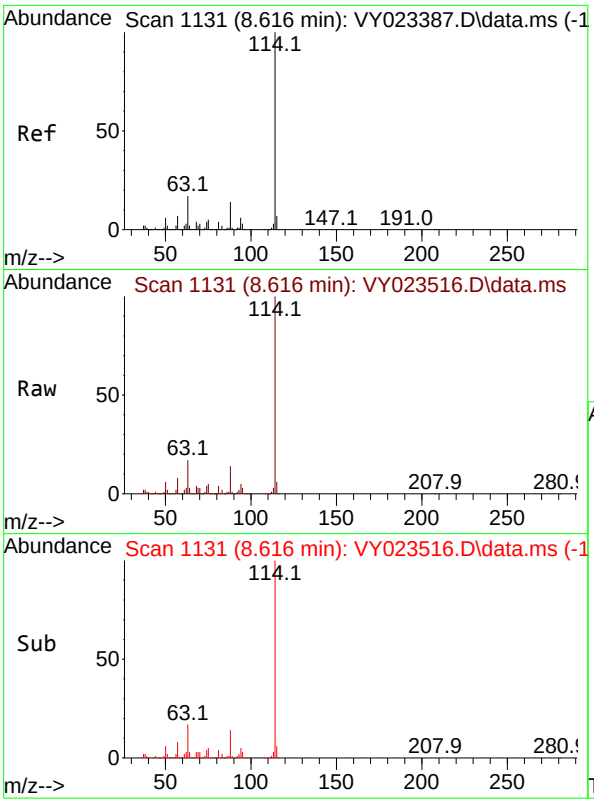


#33
1,2-Dichloroethane-d4
Concen: 56.530 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 65 Resp: 300083

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8



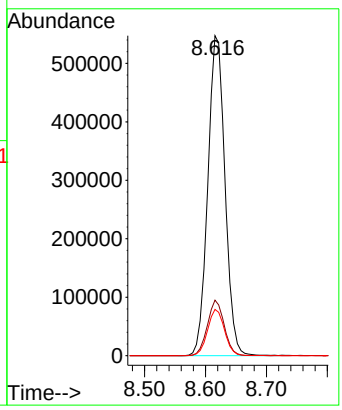


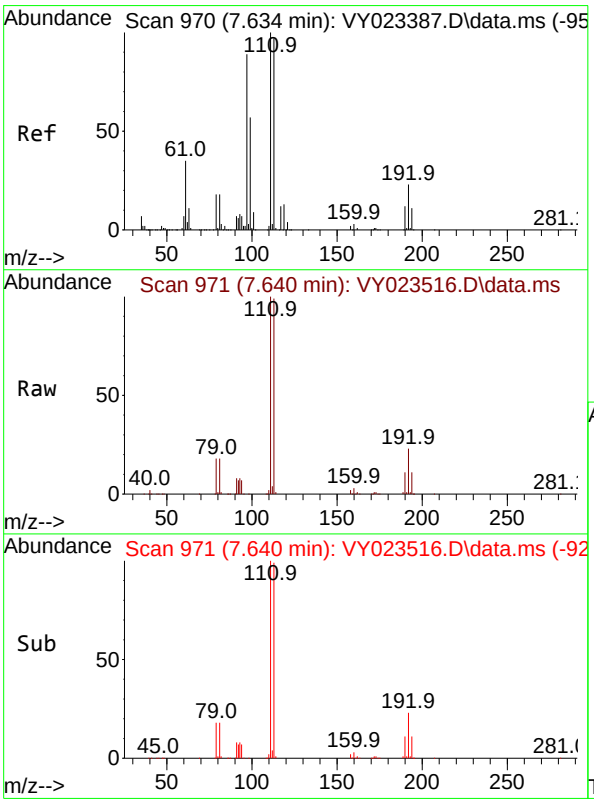
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 1071621

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	34.2
88	14.4	0.0	28.4

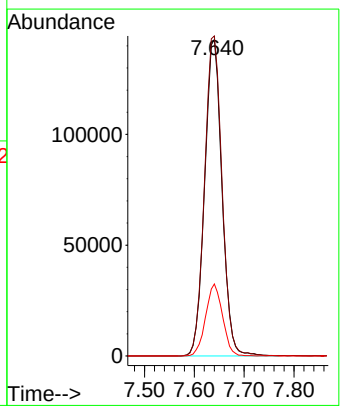


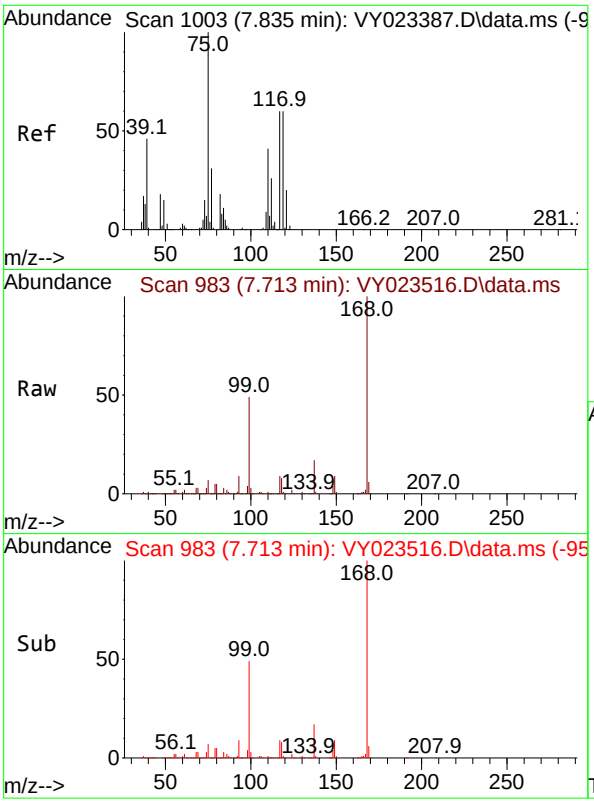


#35
Dibromofluoromethane
Concen: 52.229 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion:113 Resp: 343909

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.3	18.0	27.0



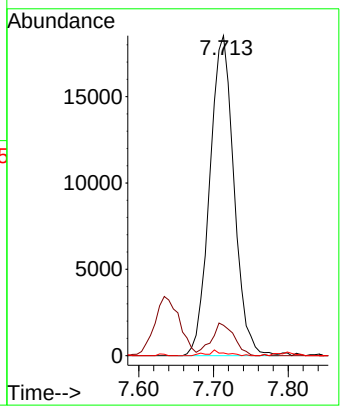


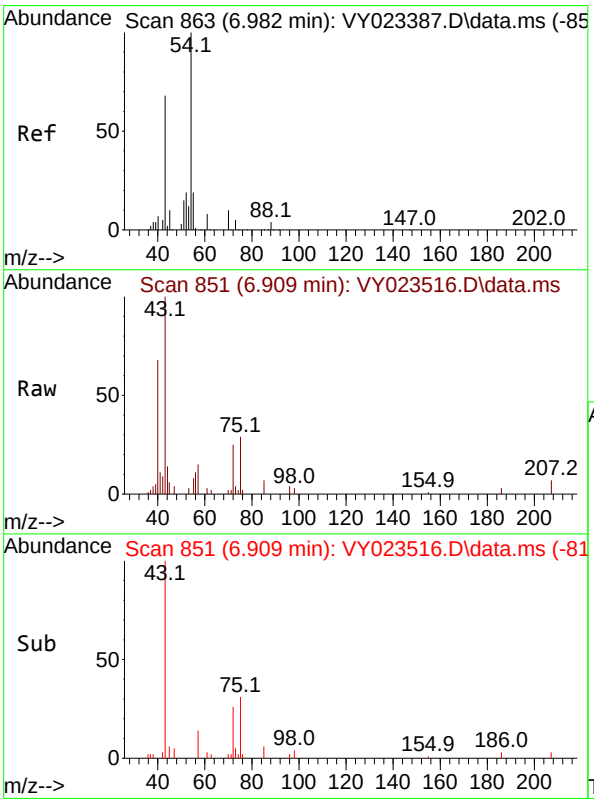
#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.122 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 41793

Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.9	59.7#
77	1.2	25.0	37.6#

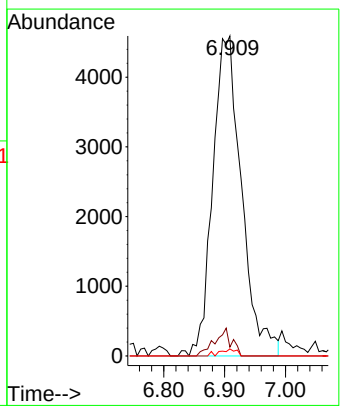


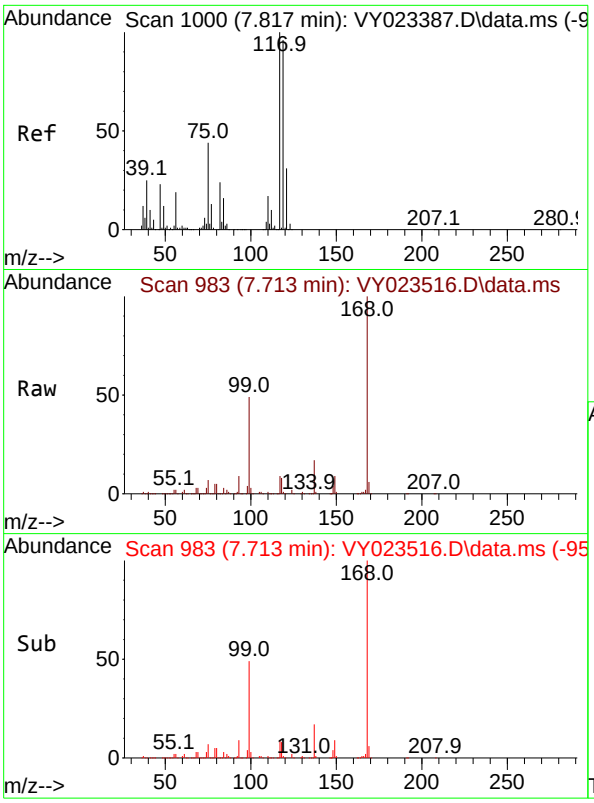


#37
Ethyl Acetate
Concen: 4.369 ug/l
RT: 6.909 min Scan# 851
Delta R.T. -0.073 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 43 Resp: 15090

Ion	Ratio	Lower	Upper
43	100		
61	5.1	11.8	17.8#
70	1.2	10.5	15.7#



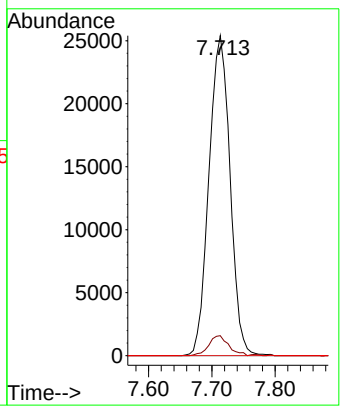


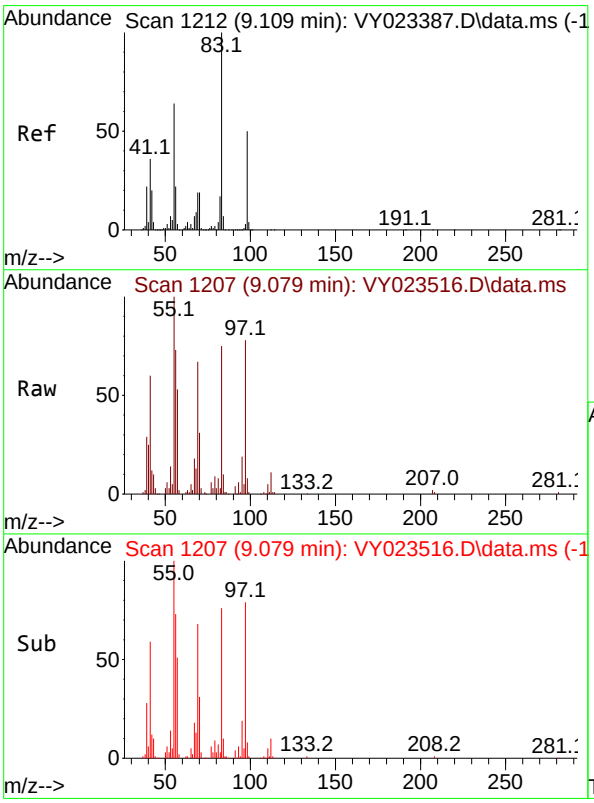
#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.104 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 59021

Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.8	115.2#
121	0.0	24.5	36.7#

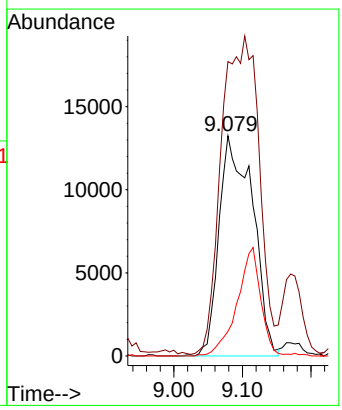


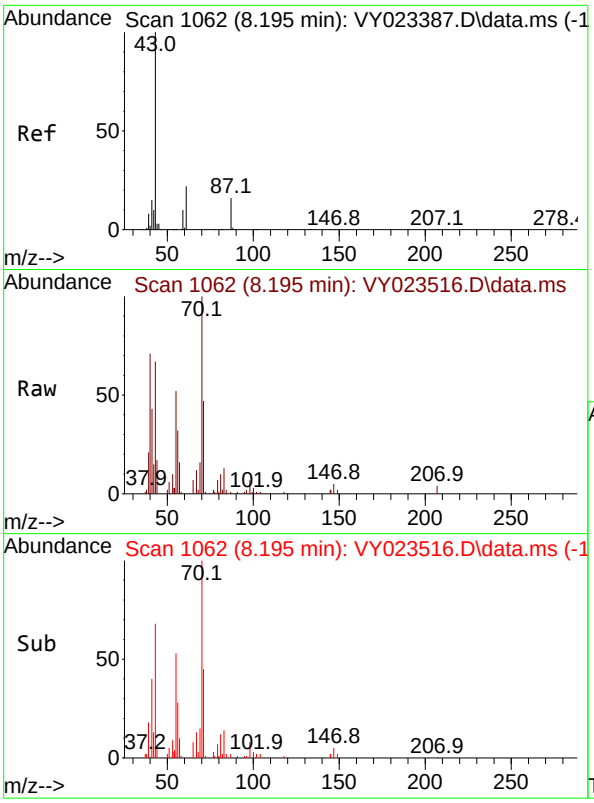


#39
Methylcyclohexane
Concen: 3.972 ug/l
RT: 9.079 min Scan# 1207
Delta R.T. -0.031 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 83 Resp: 45085

Ion	Ratio	Lower	Upper
83	100		
55	132.8	51.4	77.2#
98	11.2	40.4	60.6#



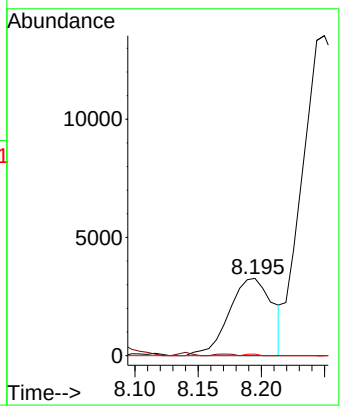


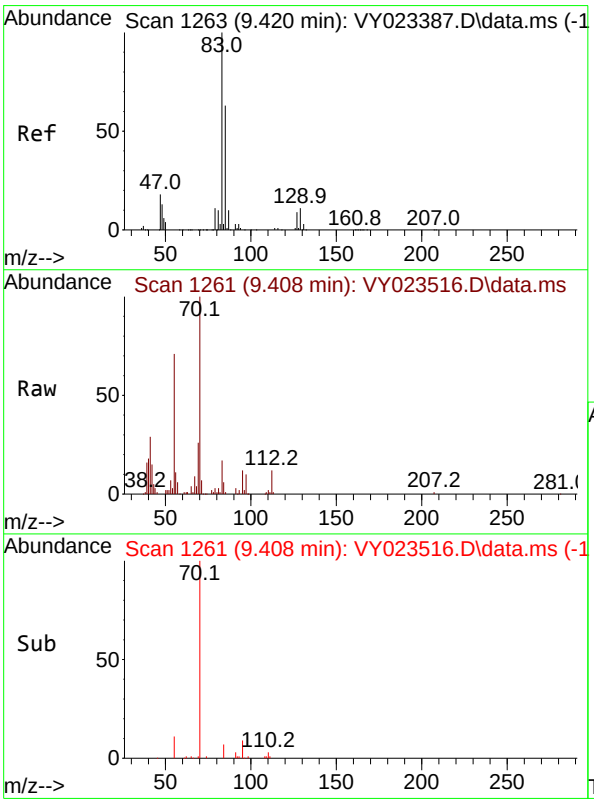
#43
Isopropyl Acetate
Concen: 1.136 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 7824

Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.1	27.1#
87	0.6	13.5	20.3#

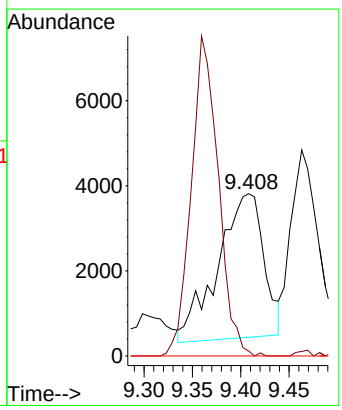


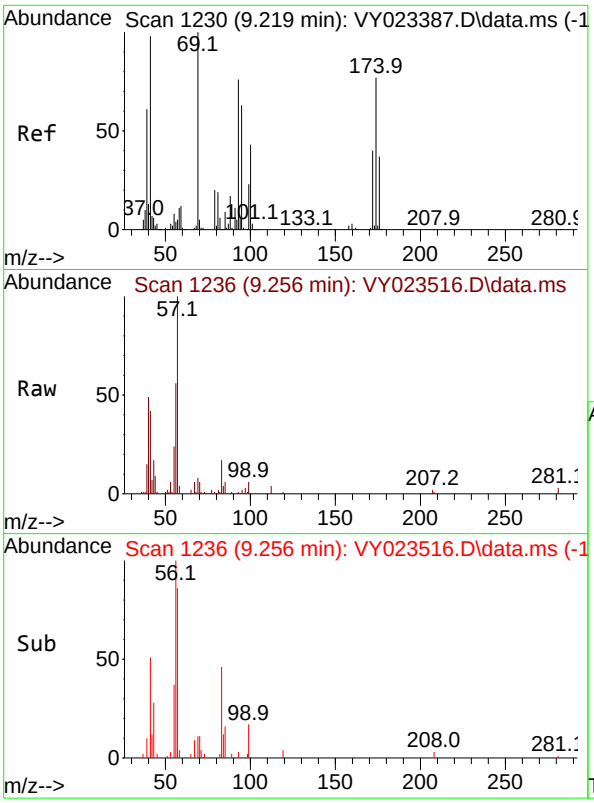


#47
Bromodichloromethane
Concen: 1.157 ug/l
RT: 9.408 min Scan# 1261
Delta R.T. -0.012 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 83 Resp: 11236

Ion	Ratio	Lower	Upper
83	100		
85	3.6	50.8	76.2#
127	0.0	7.4	11.2#



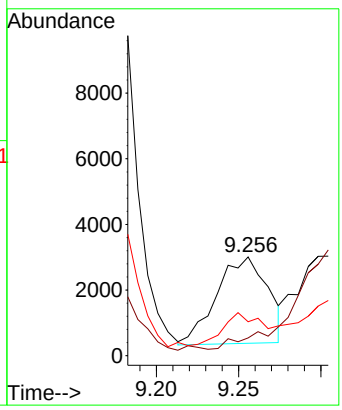


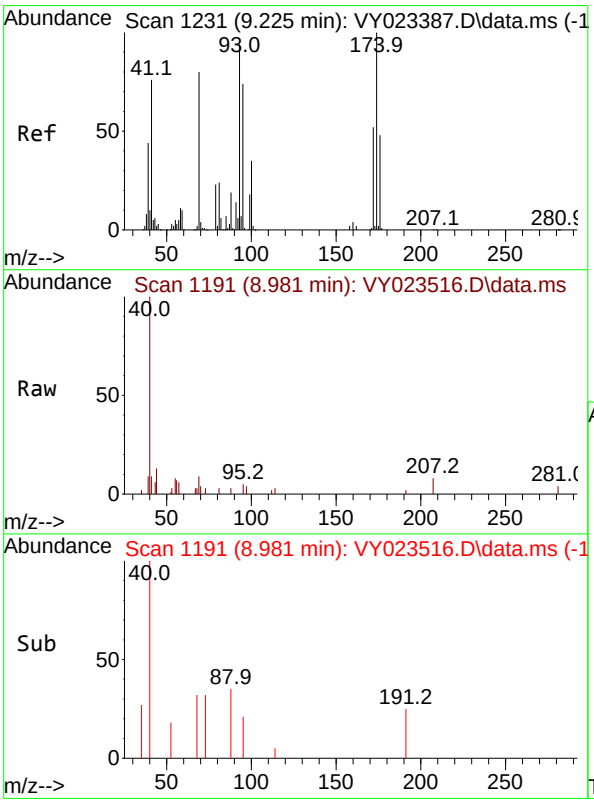
#48
Methyl methacrylate
Concen: 1.771 ug/l
RT: 9.256 min Scan# 1
Delta R.T. 0.037 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 5730

Ion	Ratio	Lower	Upper
41	100		
69	0.0	81.0	121.4#
39	37.4	48.2	72.4#

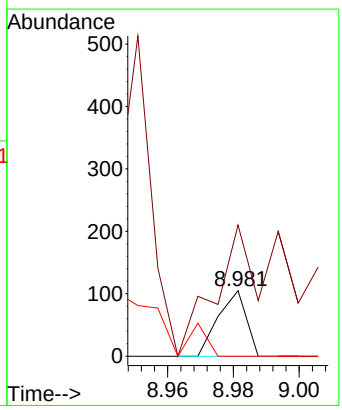


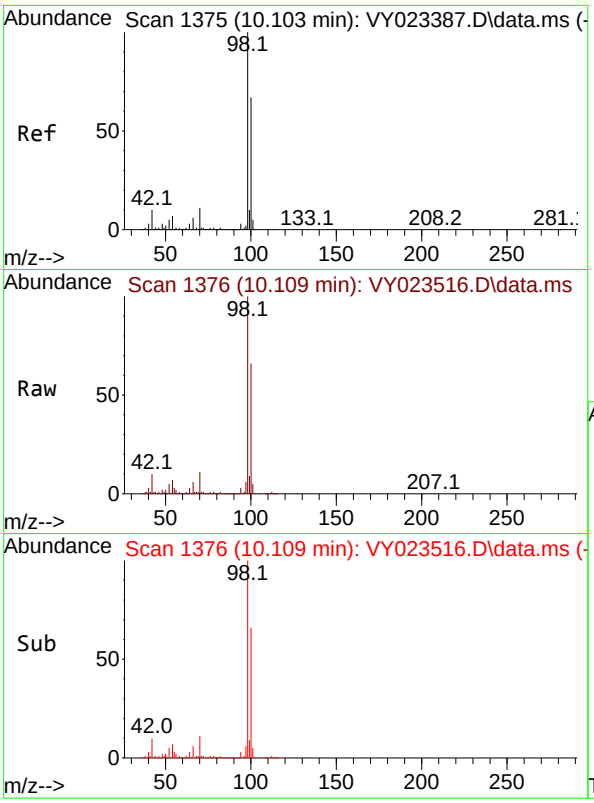


#49
1,4-Dioxane
Concen: 1.387 ug/l
RT: 8.981 min Scan# 1191
Delta R.T. -0.244 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	0.0	21.8	32.8#
58	0.0	46.8	70.2#



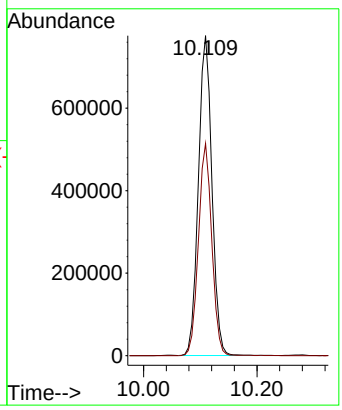


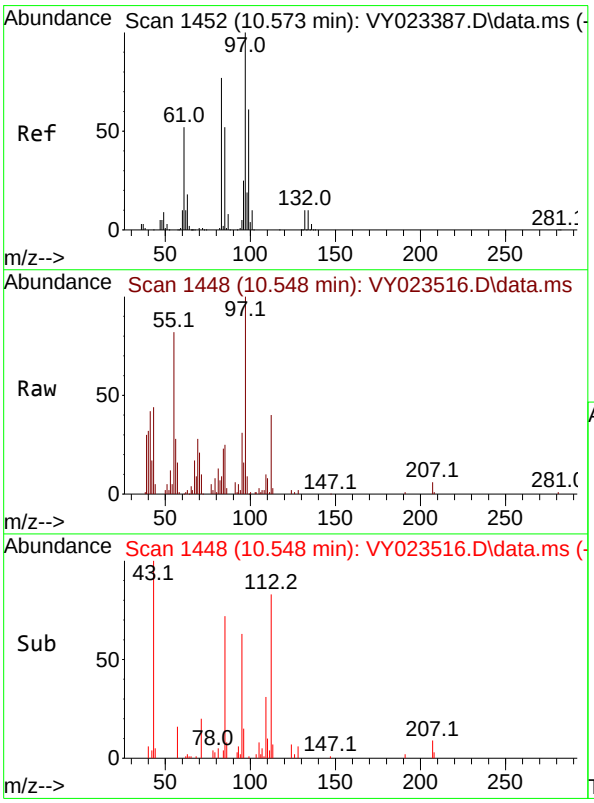
#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 1284259

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4

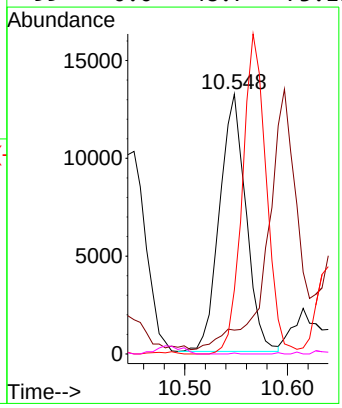


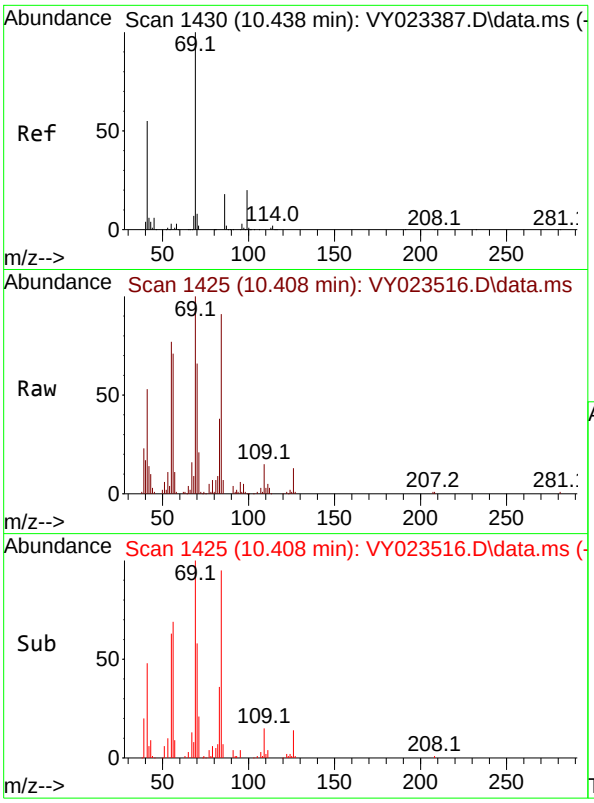


#55
1,1,2-Trichloroethane
Concen: 4.517 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.024 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 97 Resp: 23420

Ion	Ratio	Lower	Upper
97	100		
83	6.6	61.8	92.6#
85	24.4	41.3	61.9#
99	0.0	48.7	73.1#



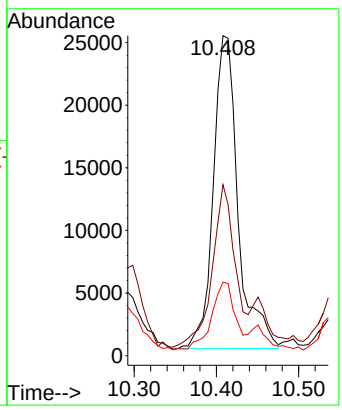


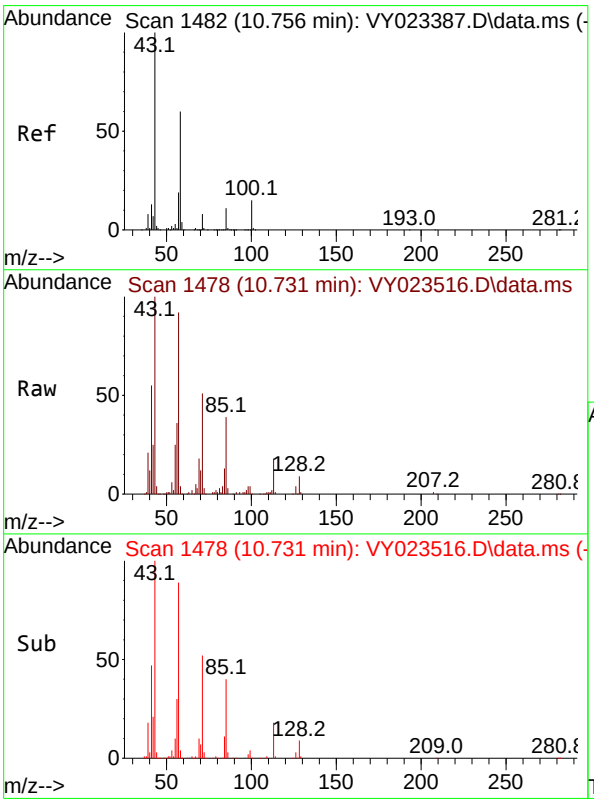
#56
Ethyl methacrylate
Concen: 8.762 ug/l
RT: 10.408 min Scan# 14
Delta R.T. -0.031 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 69 Resp: 52404

Ion	Ratio	Lower	Upper
69	100		
41	47.9	44.6	67.0
39	20.3	27.0	40.4#

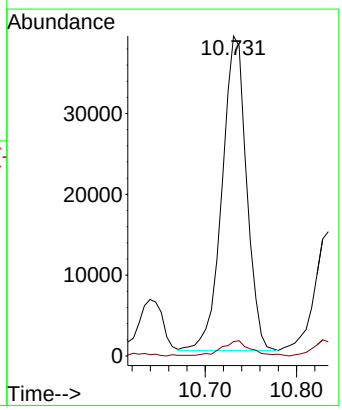


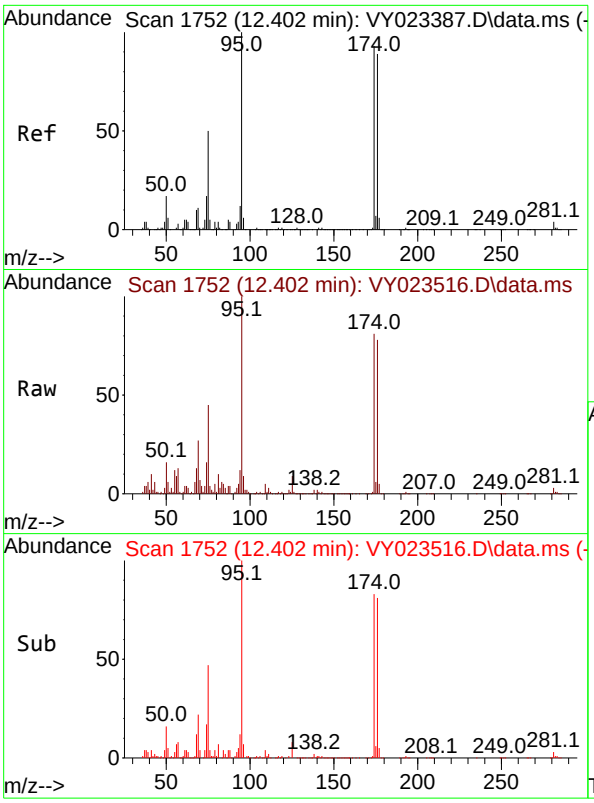


#59
2-Hexanone
Concen: 28.563 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 43 Resp: 72627

Ion	Ratio	Lower	Upper
43	100		
58	5.7	30.5	91.5#



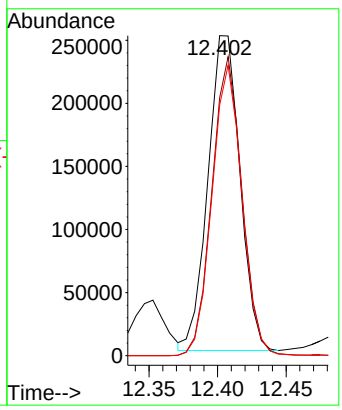


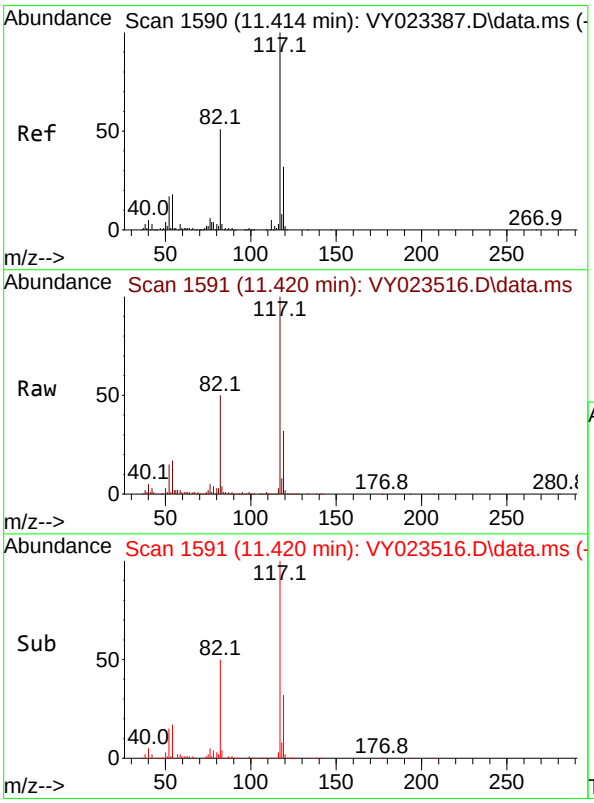
#62
4-Bromofluorobenzene
Concen: 50.027 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 405010

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	192.8
176	86.7	0.0	187.6

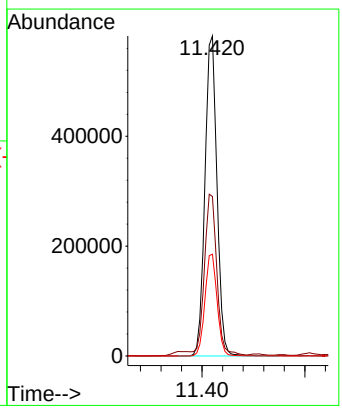


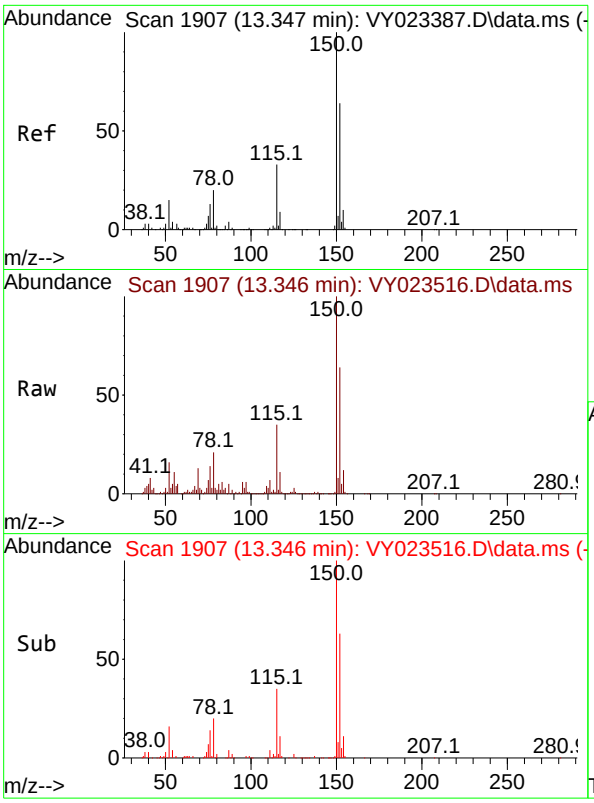


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion:117 Resp: 942803

Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.4
119	31.8	25.6	38.4



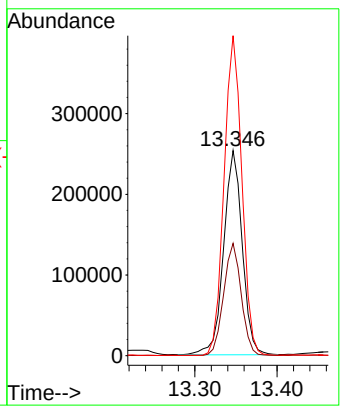


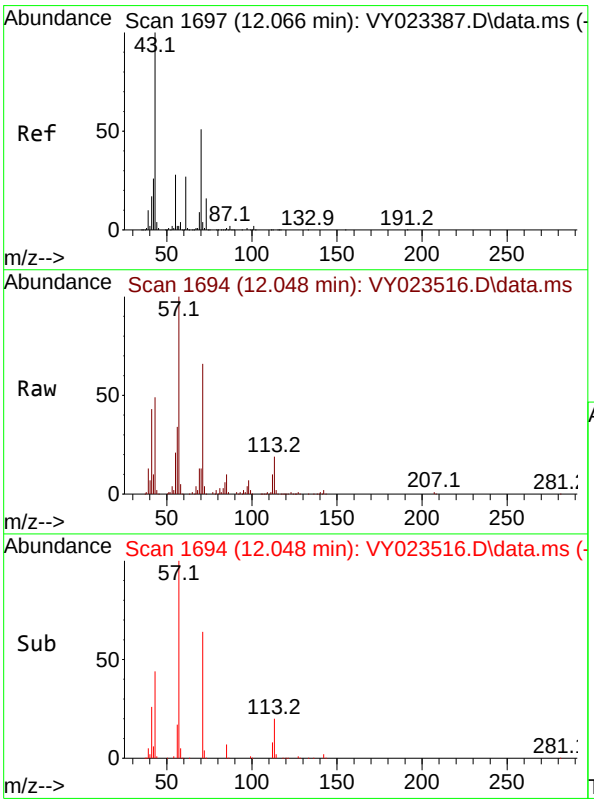
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 398037

Ion	Ratio	Lower	Upper
152	100		
115	52.0	27.1	81.2
150	149.7	0.0	347.4

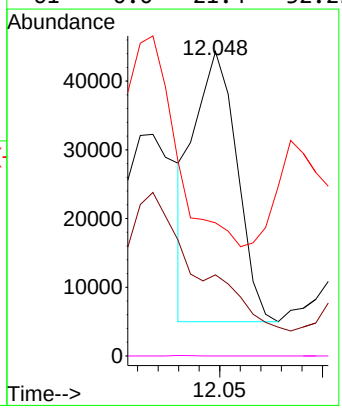


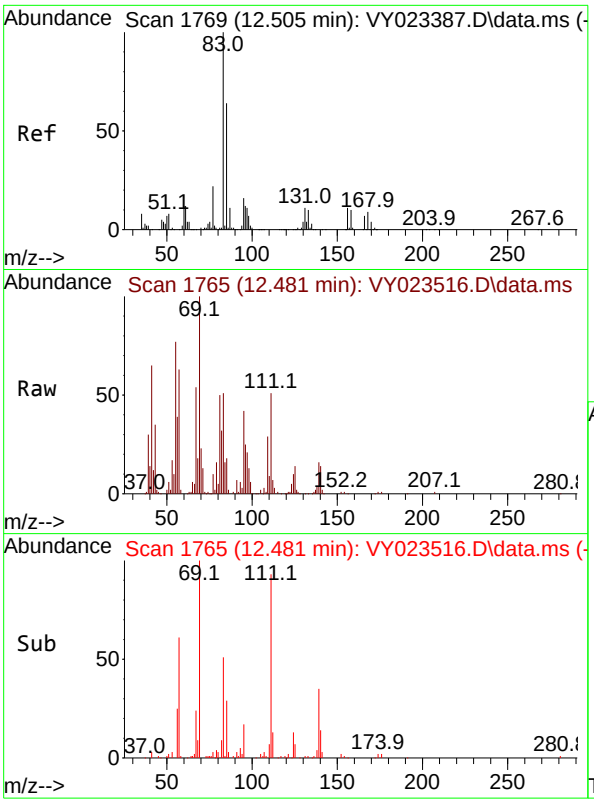


#74
N-amyl acetate
Concen: 12.230 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.018 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 43 Resp: 57620

Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.1	61.7#
55	0.0	23.0	34.6#
61	0.0	21.4	32.2#



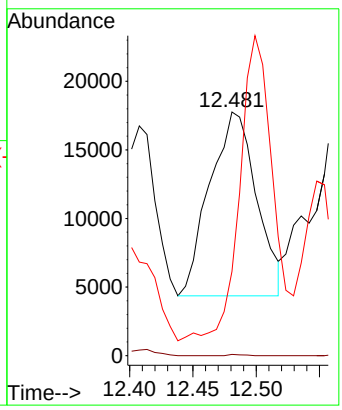


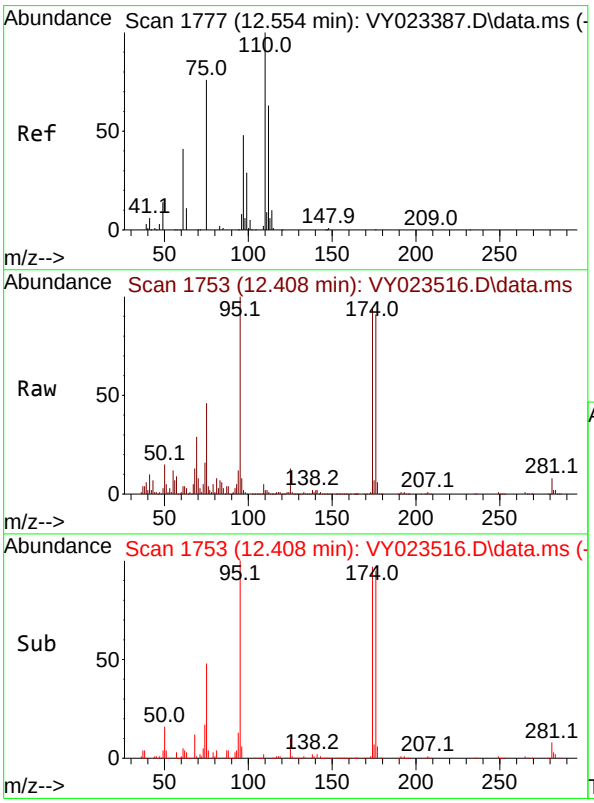
#75
1,1,2,2-Tetrachloroethane
Concen: 8.036 ug/l
RT: 12.481 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 83 Resp: 34478

Ion	Ratio	Lower	Upper
83	100		
131	0.2	5.9	17.6#
85	113.0	31.8	95.3#

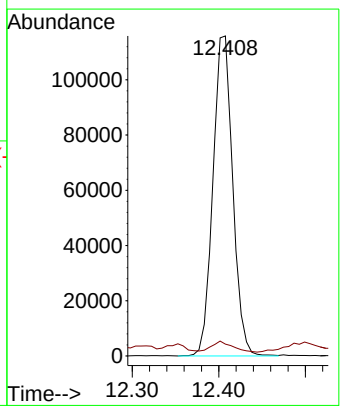


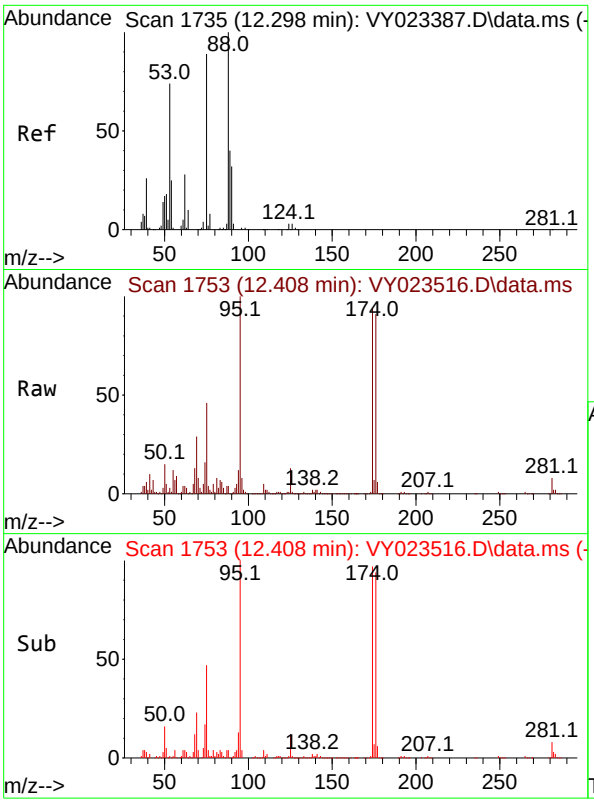


#76
1,2,3-Trichloropropane
Concen: 52.392 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 75 Resp: 183986

Ion	Ratio	Lower	Upper
75	100		
77	3.5	0.0	0.0#



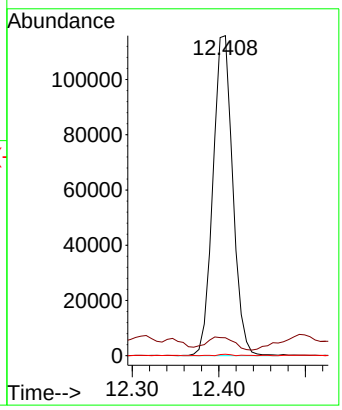


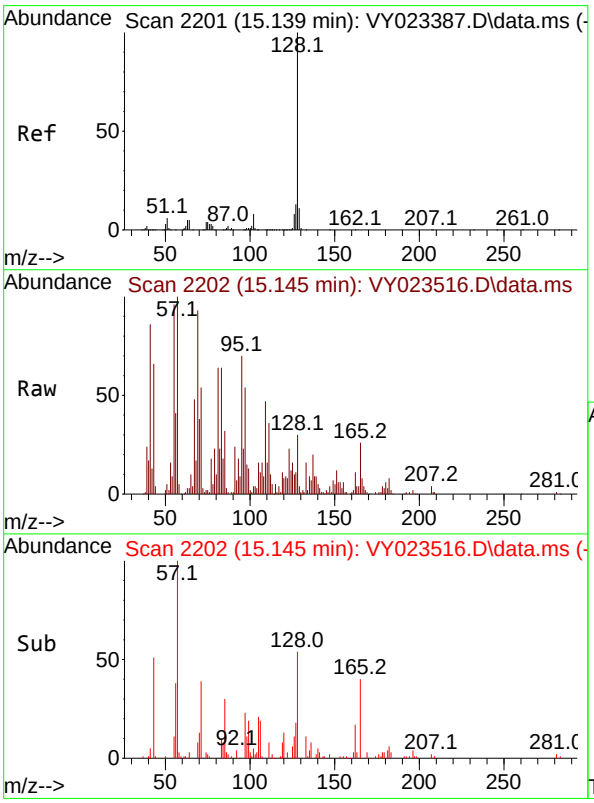
#81
trans-1,4-Dichloro-2-butene
Concen: 128.474 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.110 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 183986

Ion	Ratio	Lower	Upper
75	100		
53	5.6	68.6	102.8#
89	0.4	39.0	58.4#





#95
Naphthalene
Concen: 1.207 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion:128 Resp: 14266

Ion	Ratio	Lower	Upper
128	100		
127	31.3	10.4	15.6#
129	0.0	8.9	13.3#