Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021478.D
Acq On : 11 Mar 2025 12:01
Operator : SY/MD
Sample : Q1463-02
Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Mar 12 01:23:52 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	7.683	168	225927	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.603	114	333076	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.426	117	363901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	129475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	90193	37.771	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 75.540%			
35) Dibromofluoromethane	7.622	113	66180	30.228	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 60.460%			
50) Toluene-d8	10.103	98	374156	45.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.280%			
62) 4-Bromofluorobenzene	12.414	95	144941	51.401	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.800%			
Target Compounds						Qvalue
3) Chloromethane	2.056	50	7682	2.628	ug/l	96
5) Bromomethane	2.531	94	10275	4.451	ug/l	95
10) Methyl Iodide	3.866	142	28491	11.011	ug/l	94
11) Tert butyl alcohol	4.927	59	456	Below Cal	#	72
13) Acrolein	3.635	56	192	1.581	ug/l #	1
16) Acetone	3.885	43	1044	2.005	ug/l #	57
18) Methyl Acetate	4.379	43	18796	16.265	ug/l #	83
20) Methylene Chloride	4.525	84	17561	6.423	ug/l	94
31) Cyclohexane	7.677	56	7133	1.595	ug/l #	35
40) Benzene	8.055	78	32183	3.188	ug/l	97
49) 1,4-Dioxane	9.048	88	51	3.887	ug/l #	1
52) Toluene	10.170	92	50463	7.929	ug/l	98
53) t-1,3-Dichloropropene	10.268	75	10621	3.396	ug/l #	51
67) Ethyl Benzene	11.524	91	25136	1.667	ug/l	94
68) m/p-Xylenes	11.639	106	63055	11.011	ug/l	99
69) o-Xylene	11.956	106	22273	4.220	ug/l	100
76) 1,2,3-Trichloropropane	12.414	75	77796	59.628	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	17440	2.104	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77796	135.552	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.048	105	30286	3.680	ug/l	99
95) Naphthalene	15.151	128	3892	2.557	ug/l #	87

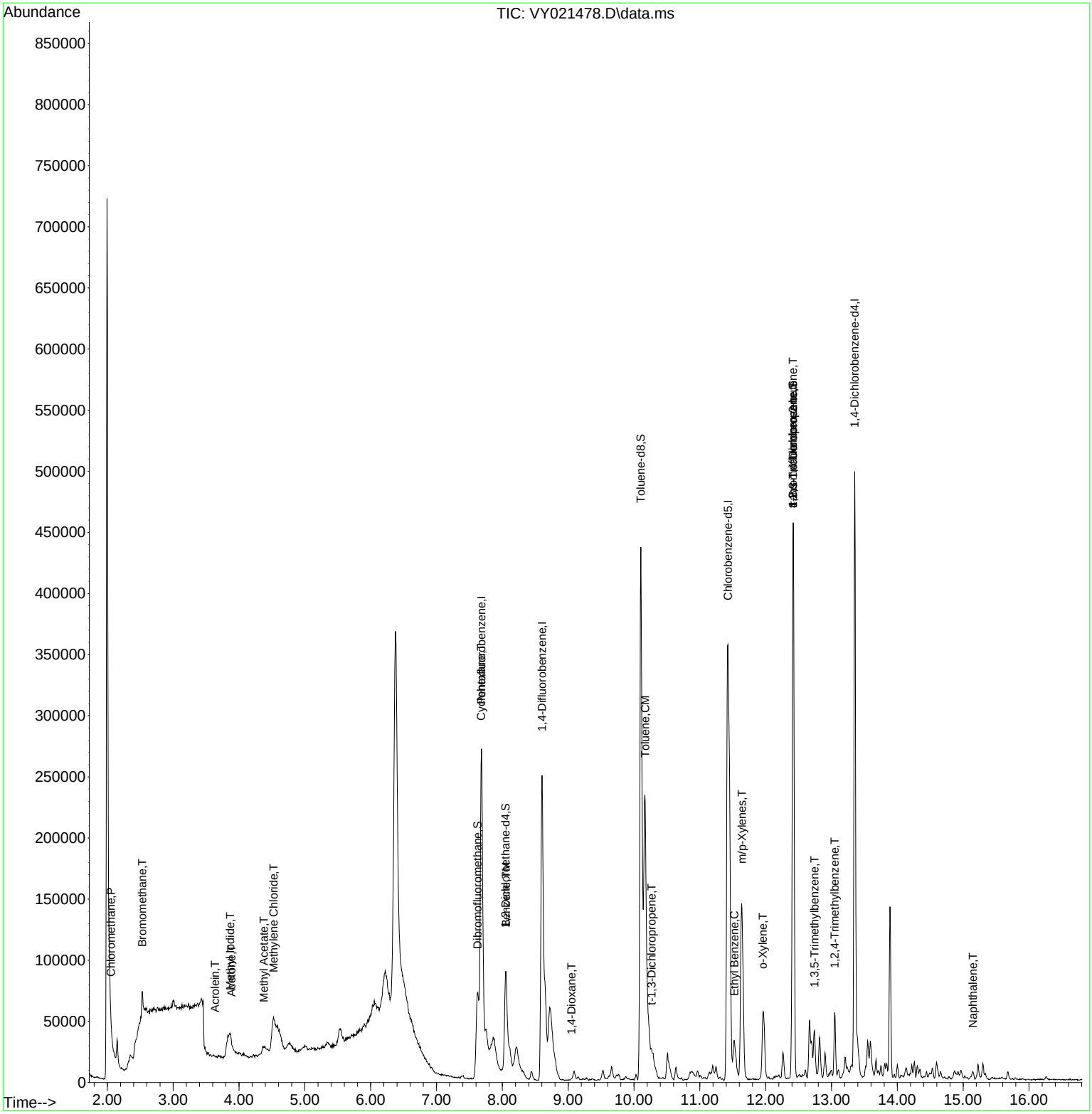
(#) = qualifier out of range (m) = manual integration (+) = signals summed

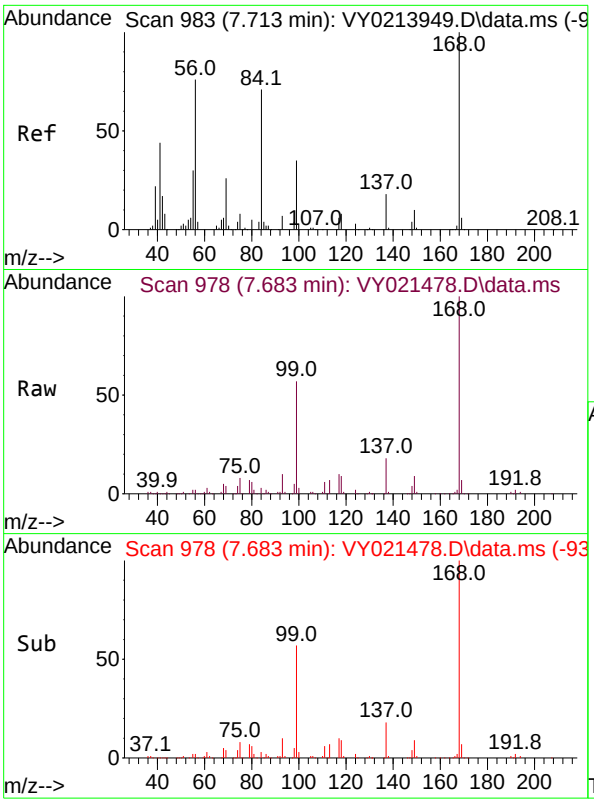
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021478.D
Acq On : 11 Mar 2025 12:01
Operator : SY/MD
Sample : Q1463-02
Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Mar 12 01:23:52 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



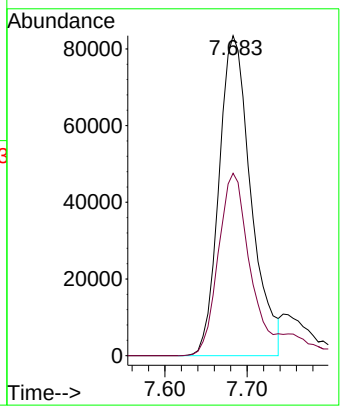


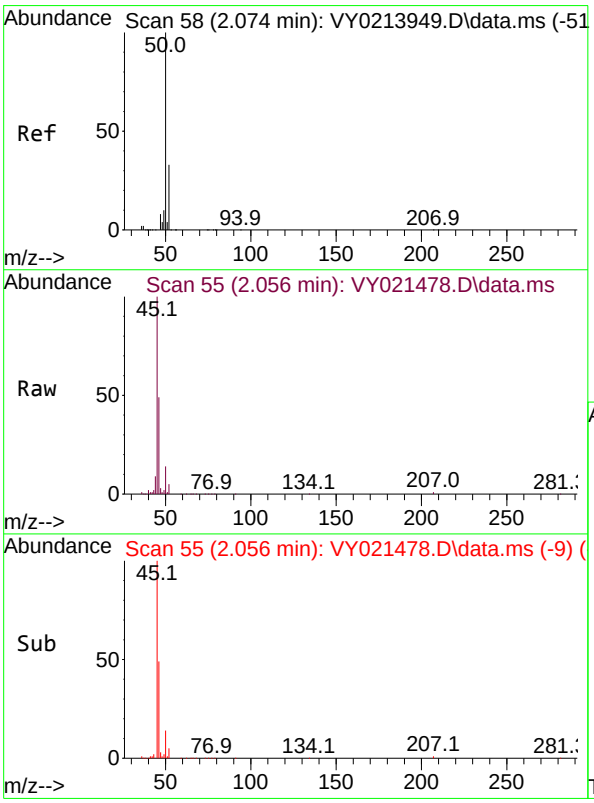
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.683 min Scan# 9
Delta R.T. -0.030 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:168 Resp: 225927

Ion	Ratio	Lower	Upper
168	100		
99	57.0	46.0	69.0

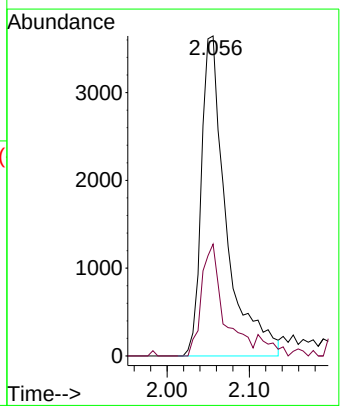


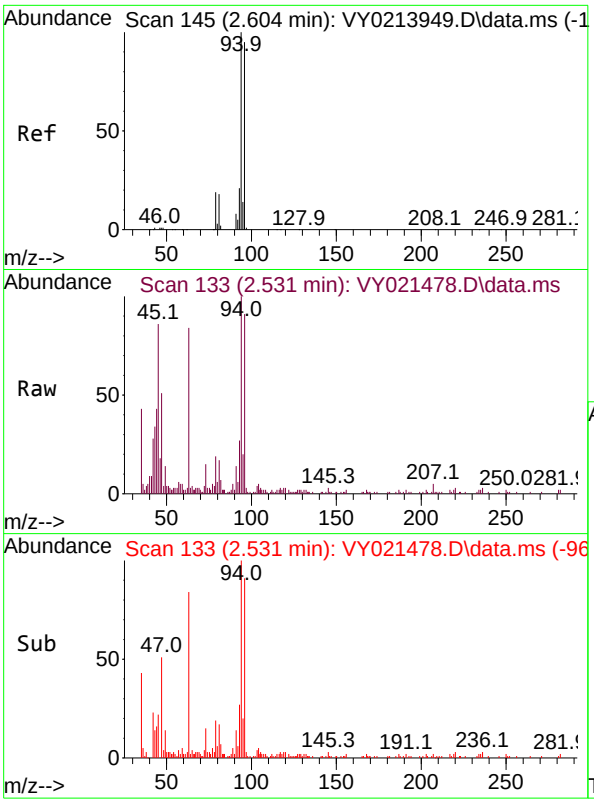


#3
Chloromethane
Concen: 2.628 ug/l
RT: 2.056 min Scan# 55
Delta R.T. -0.018 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 50 Resp: 7682

Ion	Ratio	Lower	Upper
50	100		
52	35.0	26.2	39.2



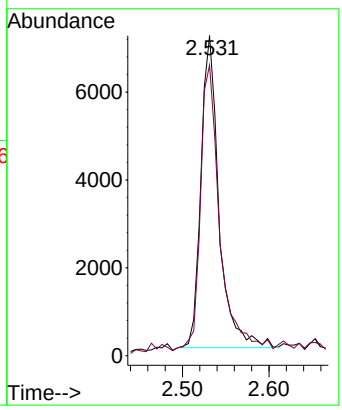


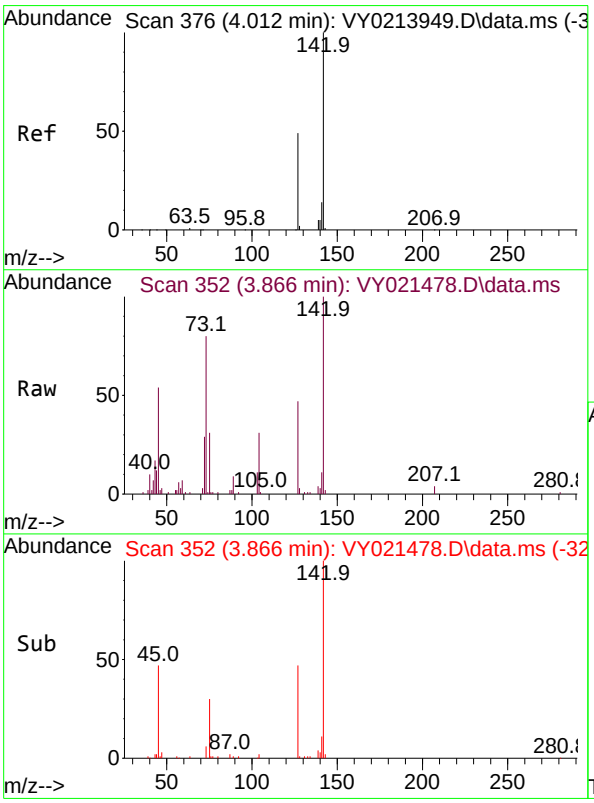
#5
Bromomethane
Concen: 4.451 ug/l
RT: 2.531 min Scan# 1
Delta R.T. -0.073 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 94 Resp: 10275

Ion	Ratio	Lower	Upper
94	100		
96	90.5	76.3	114.5

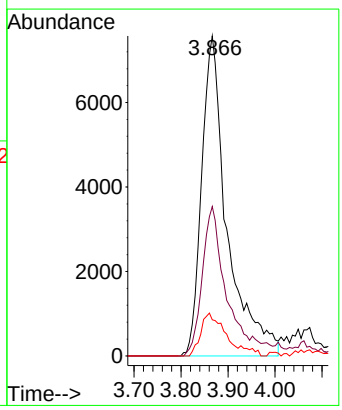


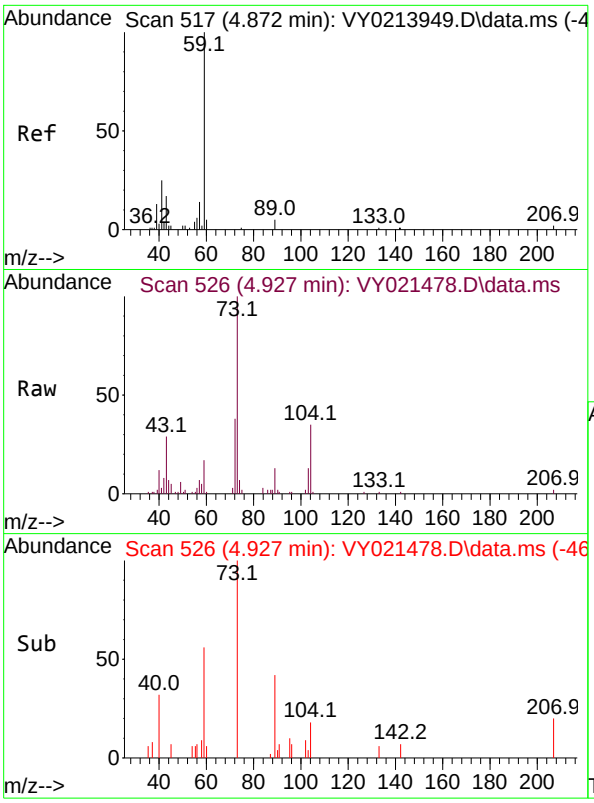


#10
Methyl Iodide
Concen: 11.011 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.146 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:142 Resp: 28491

Ion	Ratio	Lower	Upper
142	100		
127	45.3	39.1	58.7
141	12.1	11.8	17.6



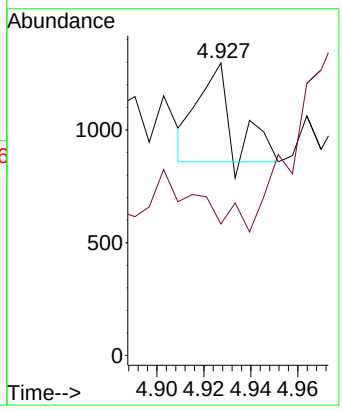


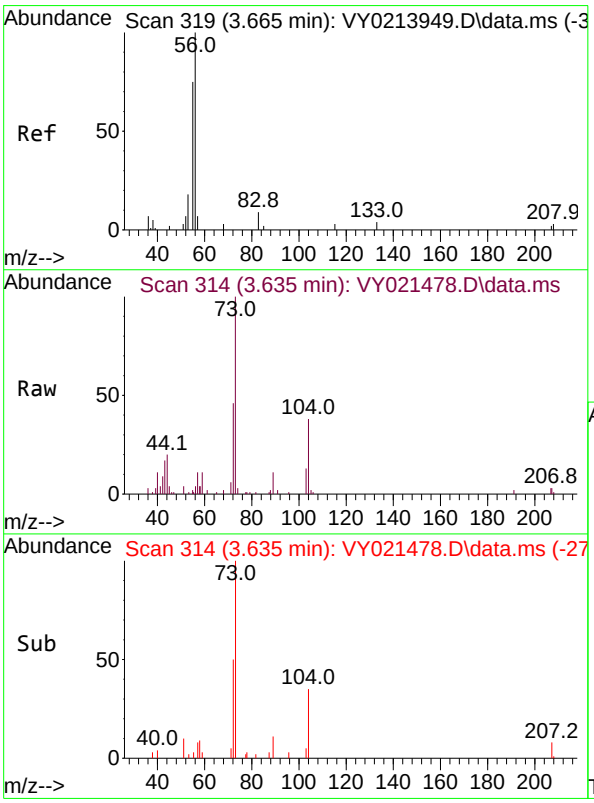
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.927 min Scan# 5
Delta R.T. 0.055 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 59 Resp: 456

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

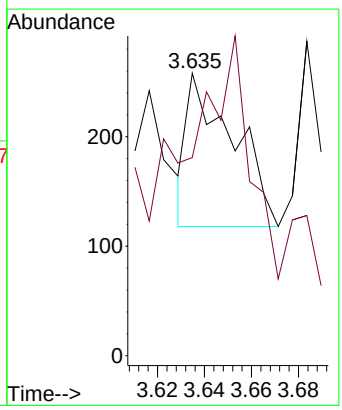


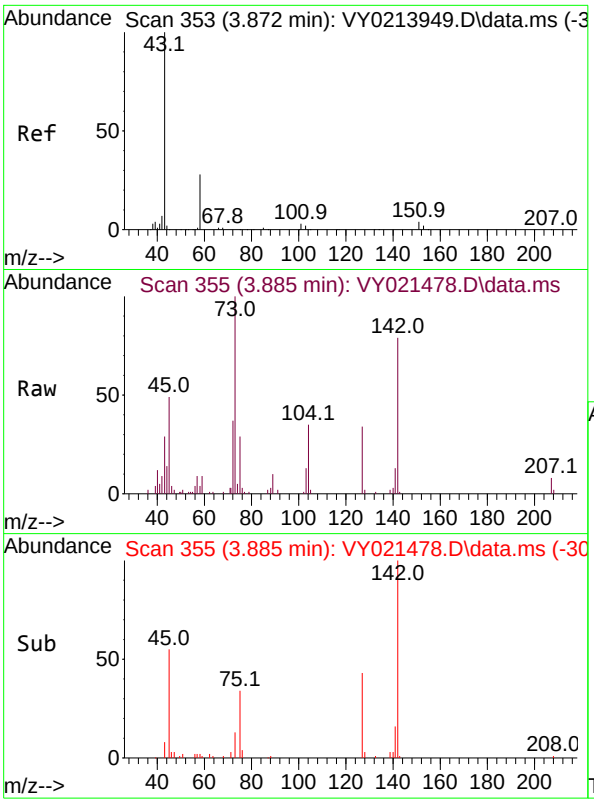


#13
Acrolein
Concen: 1.581 ug/l
RT: 3.635 min Scan# 314
Delta R.T. -0.030 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 56 Resp: 192

Ion	Ratio	Lower	Upper
56	100		
55	200.0	63.4	95.2#



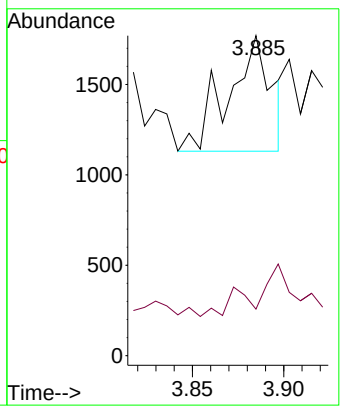


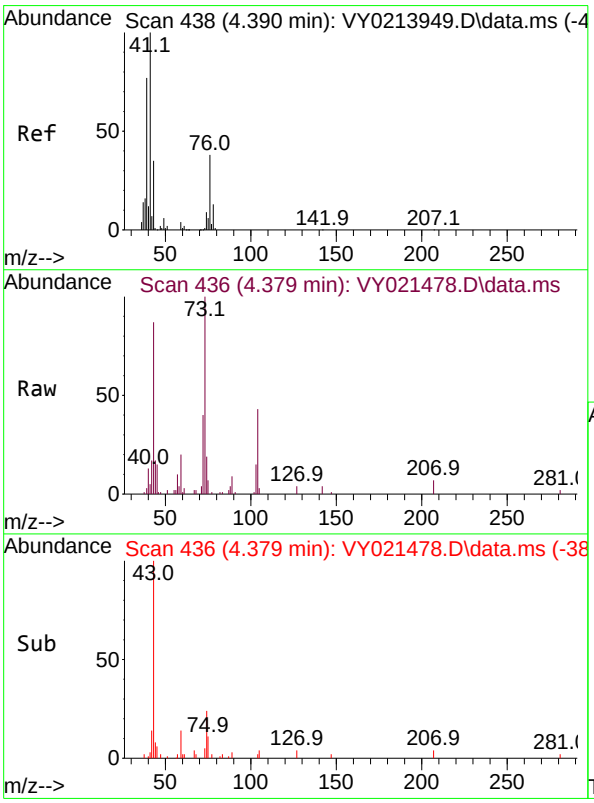
#16
Acetone
Concen: 2.005 ug/l
RT: 3.885 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 43 Resp: 1044

Ion	Ratio	Lower	Upper
43	100		
58	5.0	22.1	33.1#

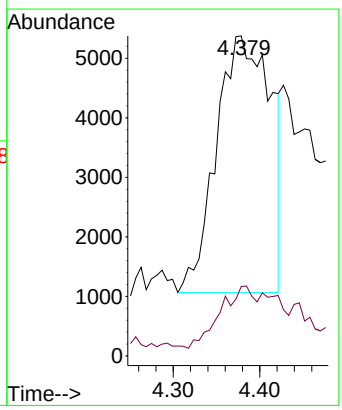


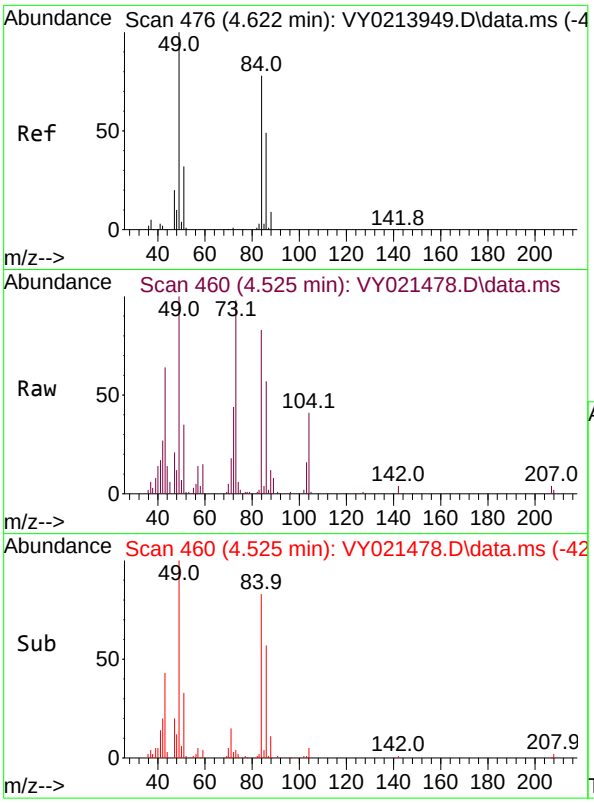


#18
Methyl Acetate
Concen: 16.265 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 43 Resp: 18796

Ion	Ratio	Lower	Upper
43	100		
74	15.7	19.4	29.0#



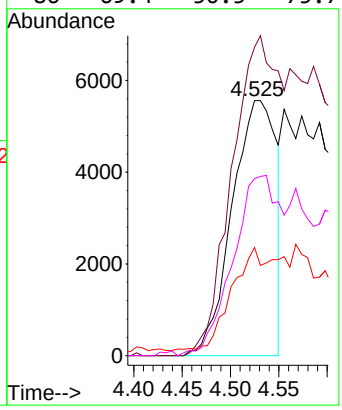


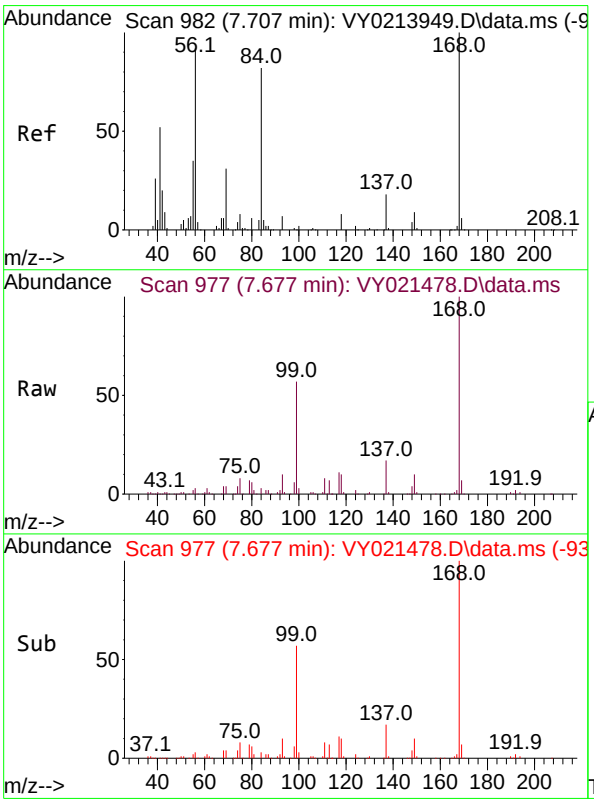
#20
Methylene Chloride
Concen: 6.423 ug/l
RT: 4.525 min Scan# 4
Delta R.T. -0.097 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 84 Resp: 17561

Ion	Ratio	Lower	Upper
84	100		
49	120.9	102.0	153.0
51	39.7	33.0	49.6
86	69.4	50.5	75.7

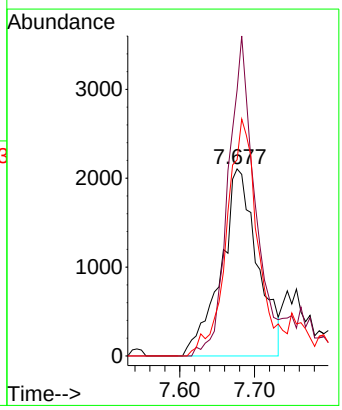


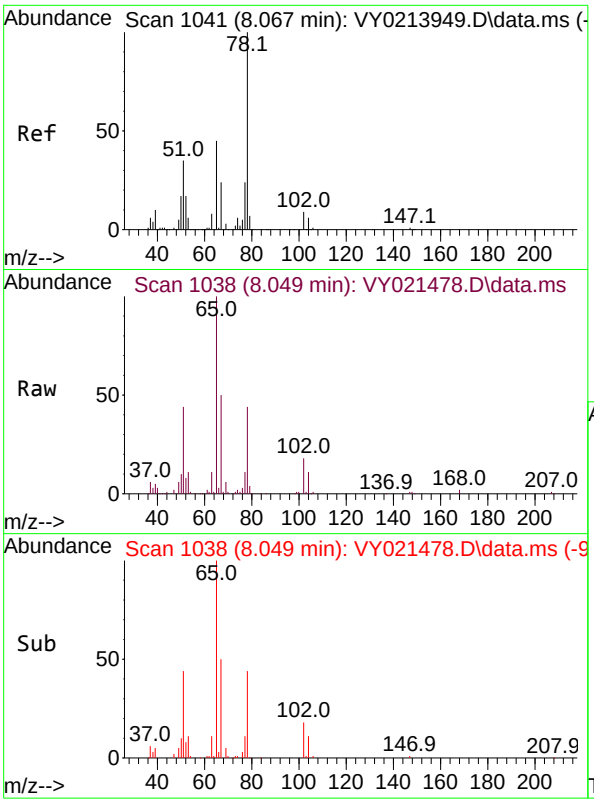


#31
Cyclohexane
Concen: 1.595 ug/l
RT: 7.677 min Scan# 977
Delta R.T. -0.030 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 56 Resp: 7133

Ion	Ratio	Lower	Upper
56	100		
69	142.0	27.0	40.4#
84	104.9	71.1	106.7



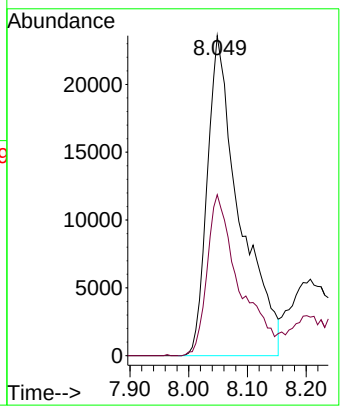


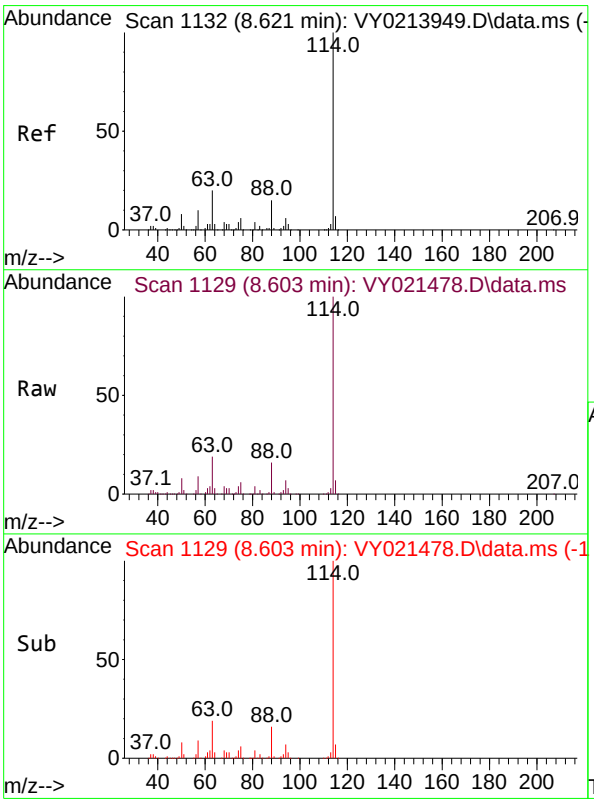
#33
1,2-Dichloroethane-d4
Concen: 37.771 ug/l
RT: 8.049 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 65 Resp: 90193

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.8

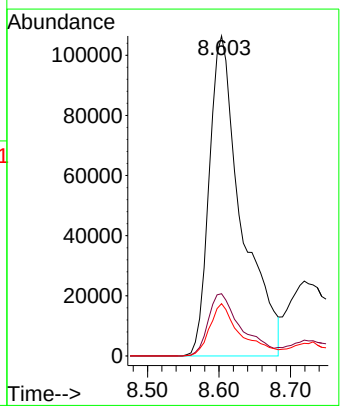


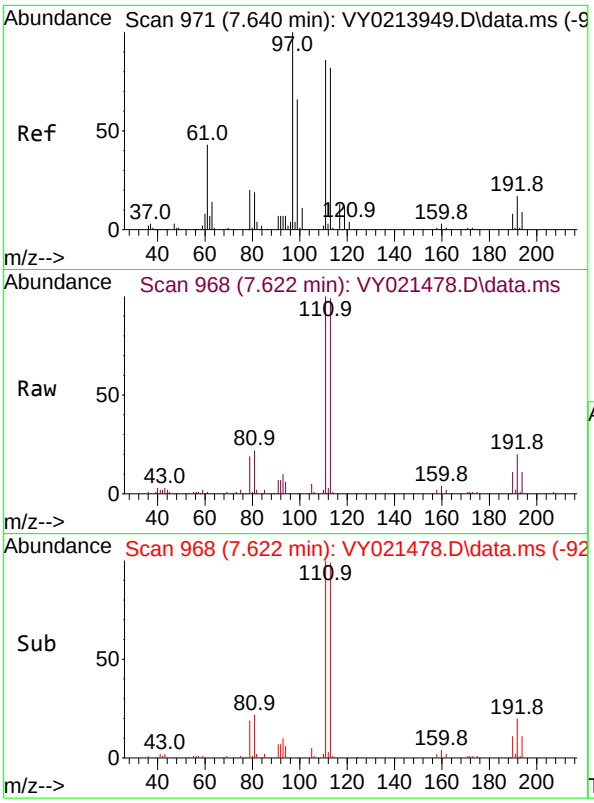


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1129
Delta R.T. -0.018 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:114 Resp: 333076

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	16.3	0.0	30.8



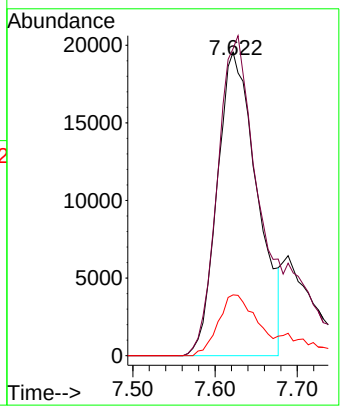


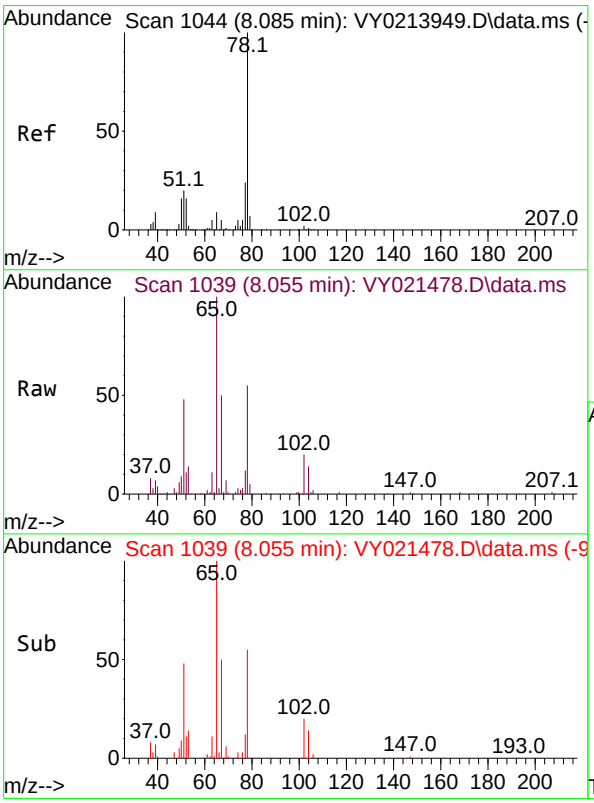
#35
Dibromofluoromethane
Concen: 30.228 ug/l
RT: 7.622 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:113 Resp: 66180

Ion	Ratio	Lower	Upper
113	100		
111	126.8	82.0	123.0#
192	19.2	15.9	23.9

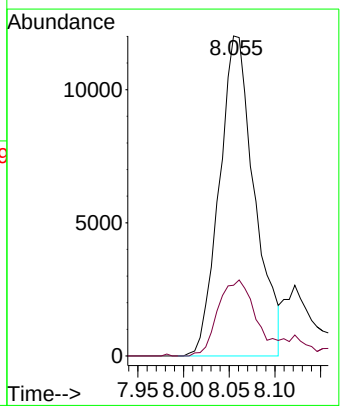


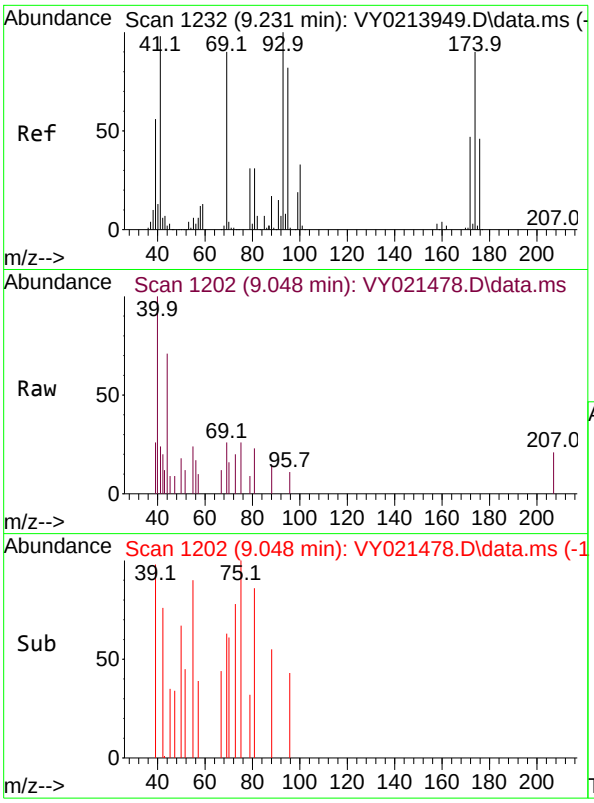


#40
Benzene
Concen: 3.188 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.030 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 78 Resp: 32183

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4



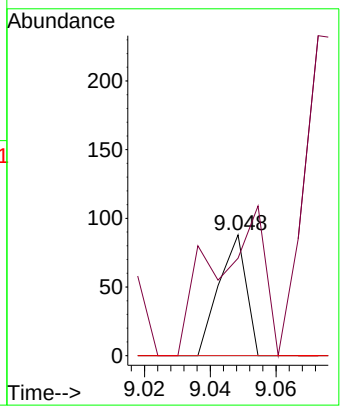


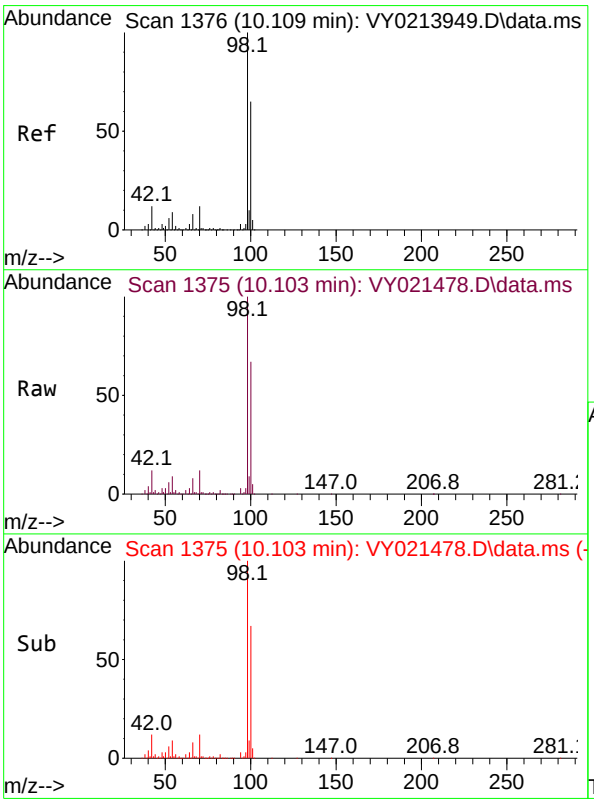
#49
1,4-Dioxane
Concen: 3.887 ug/l
RT: 9.048 min Scan# 1
Delta R.T. -0.183 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 88 Resp: 51

Ion	Ratio	Lower	Upper
88	100		
43	225.5	25.0	37.4#
58	0.0	58.4	87.6#

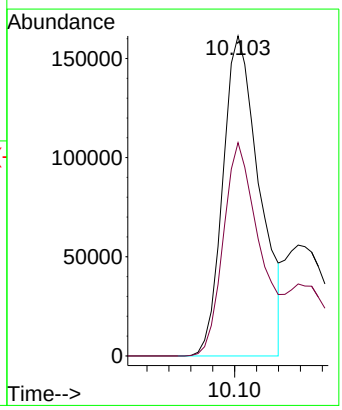


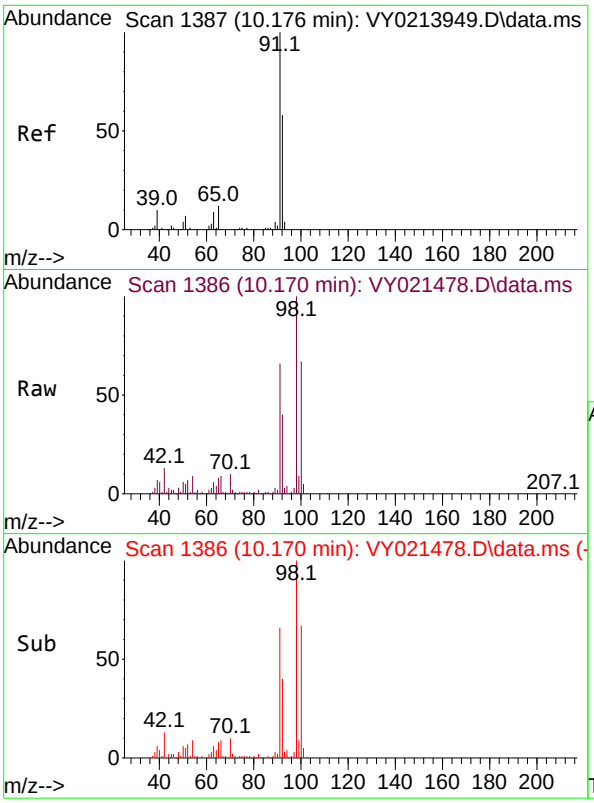


#50
Toluene-d8
Concen: 45.136 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 98 Resp: 374156

Ion	Ratio	Lower	Upper
98	100		
100	68.6	52.1	78.1



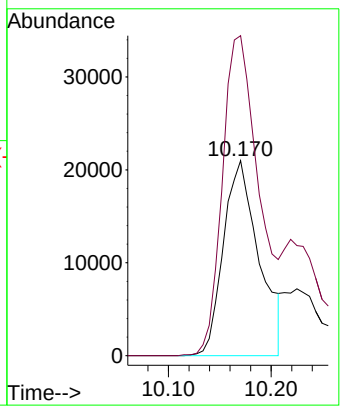


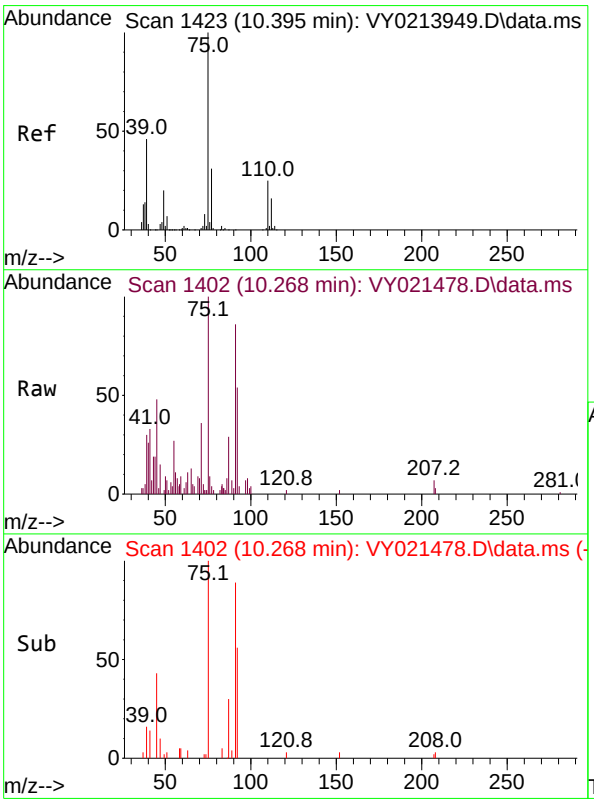
#52
Toluene
Concen: 7.929 ug/l
RT: 10.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 92 Resp: 50463

Ion	Ratio	Lower	Upper
92	100		
91	170.5	138.2	207.2

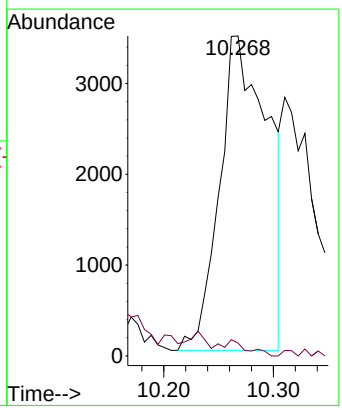


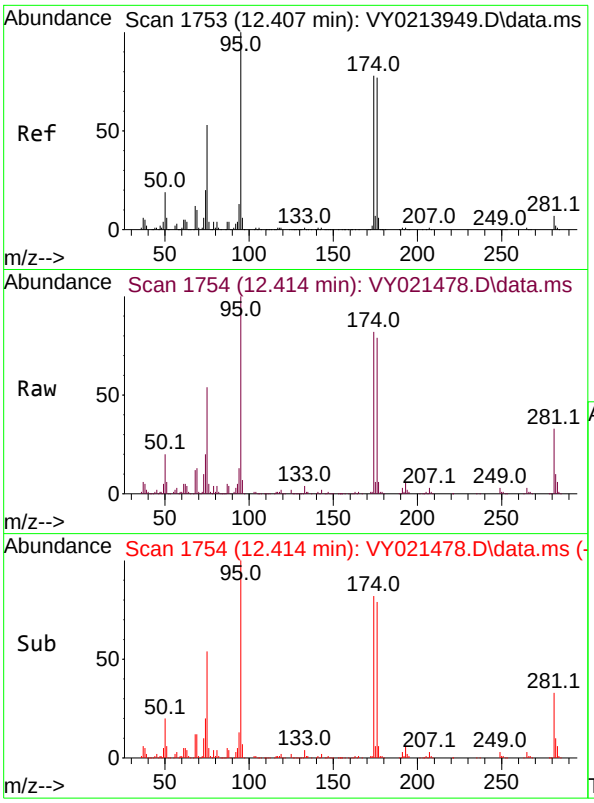


#53
t-1,3-Dichloropropene
Concen: 3.396 ug/l
RT: 10.268 min Scan# 1402
Delta R.T. -0.128 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion: 75 Resp: 10621

Ion	Ratio	Lower	Upper
75	100		
77	4.1	25.0	37.6#



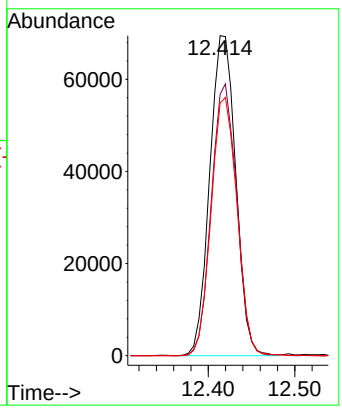


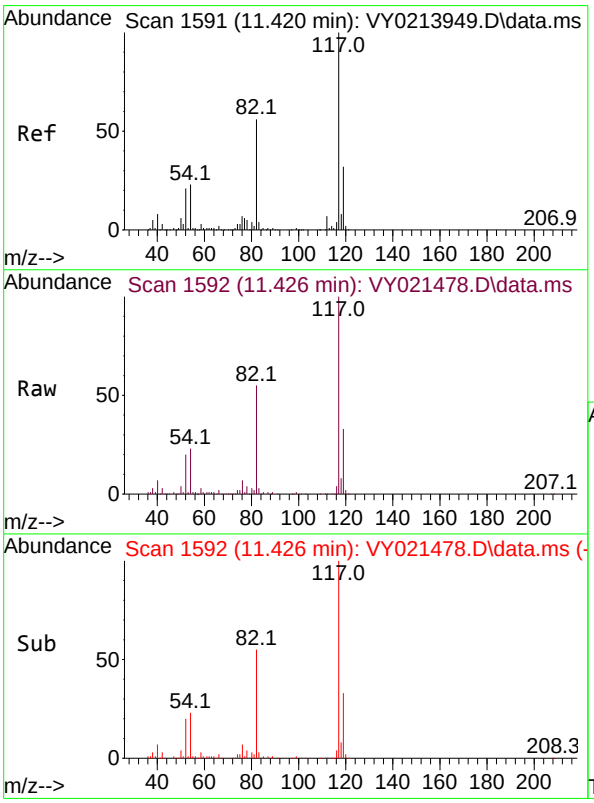
#62
4-Bromofluorobenzene
Concen: 51.401 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 95 Resp: 144941

Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	165.0
176	80.4	0.0	160.0

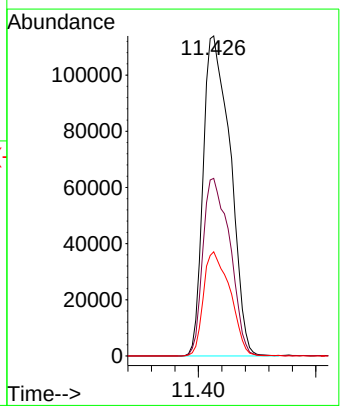


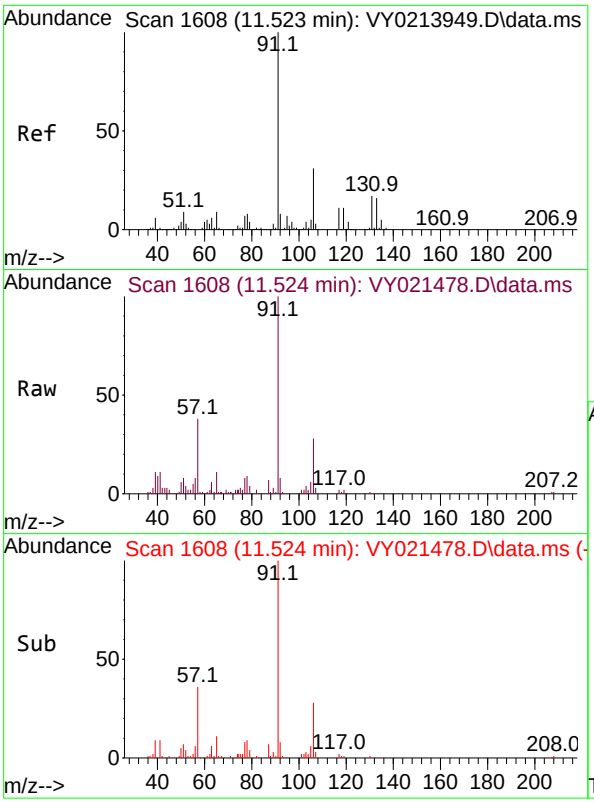


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:117 Resp: 363901

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	67.0
119	32.5	25.4	38.0



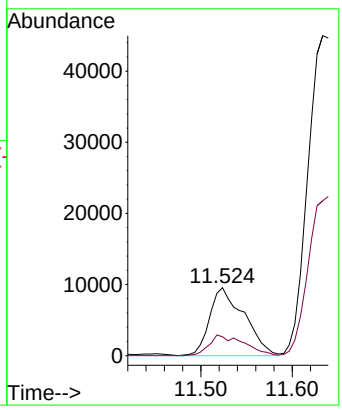


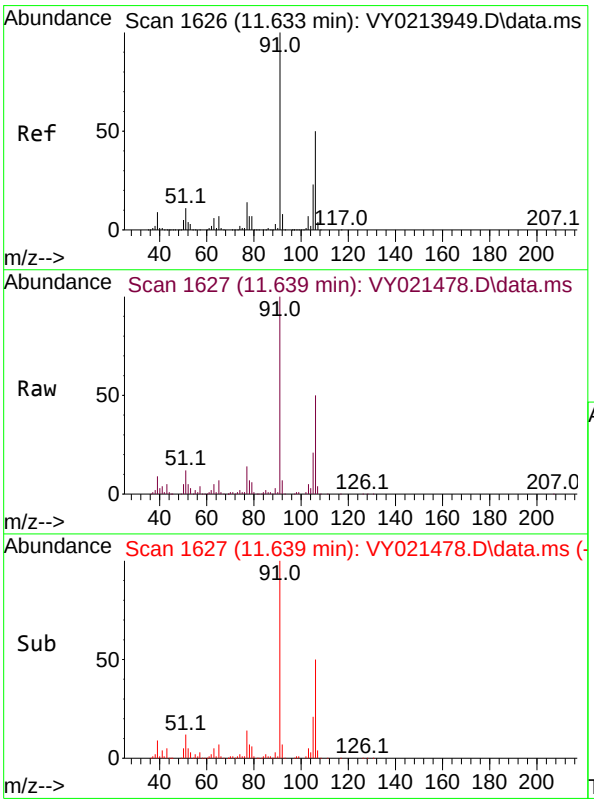
#67
Ethyl Benzene
Concen: 1.667 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 91 Resp: 25136

Ion	Ratio	Lower	Upper
91	100		
106	27.7	24.6	36.8

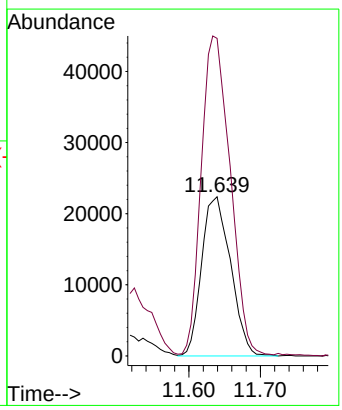


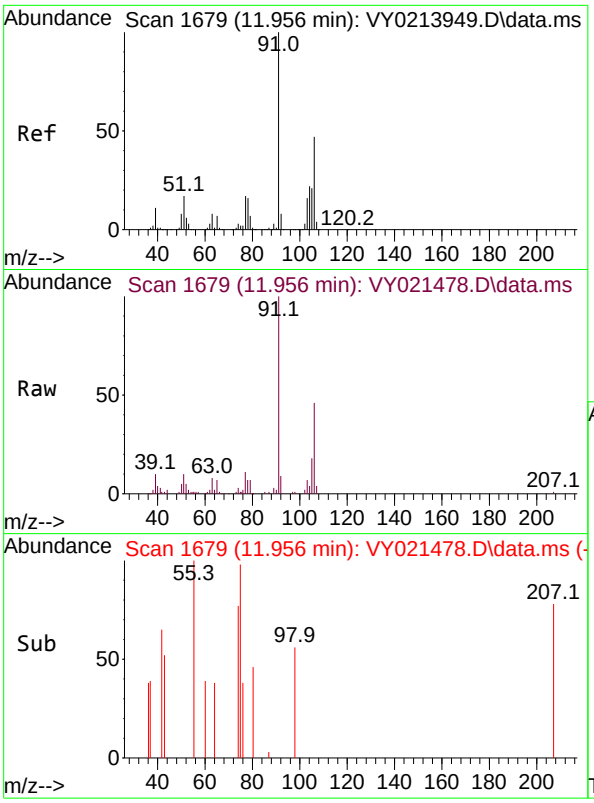


#68
m/p-Xylenes
Concen: 11.011 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.006 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:106 Resp: 63055

Ion	Ratio	Lower	Upper
106	100		
91	199.9	161.7	242.5



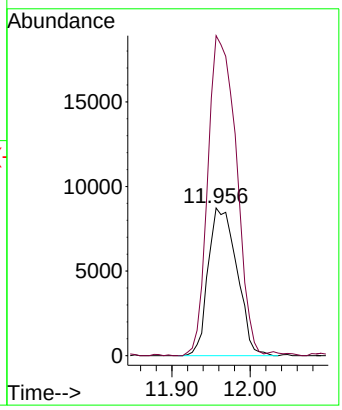


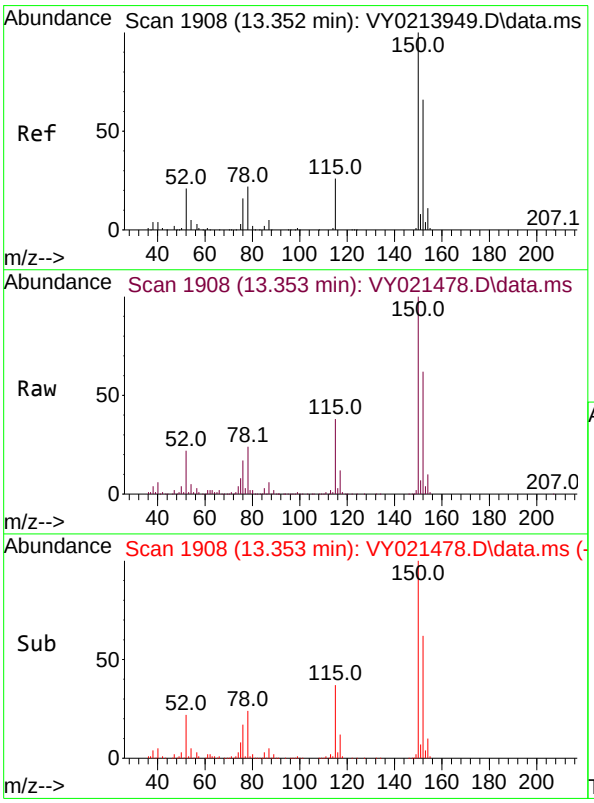
#69
o-Xylene
Concen: 4.220 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:106 Resp: 22273

Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.6	322.8

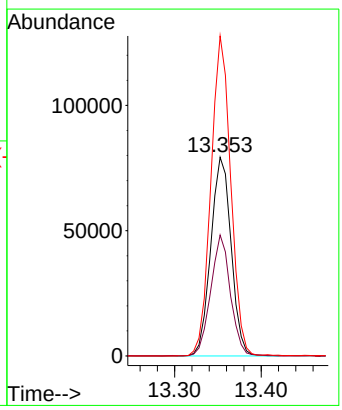


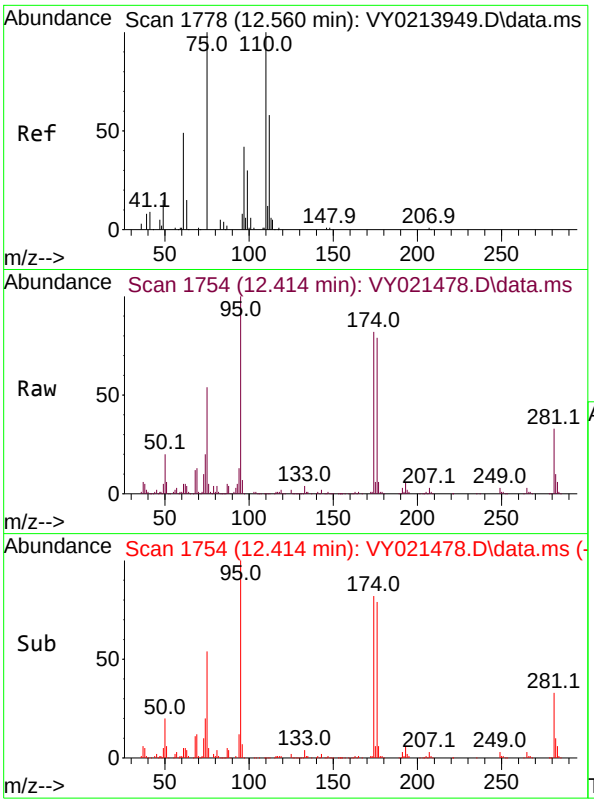


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:152 Resp: 129475

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	156.6	0.0	347.2



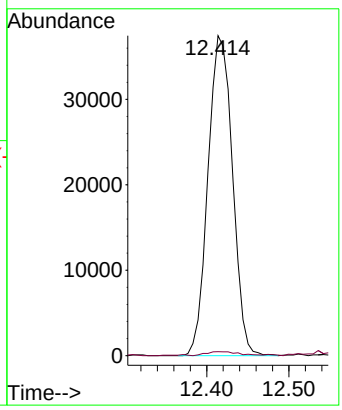


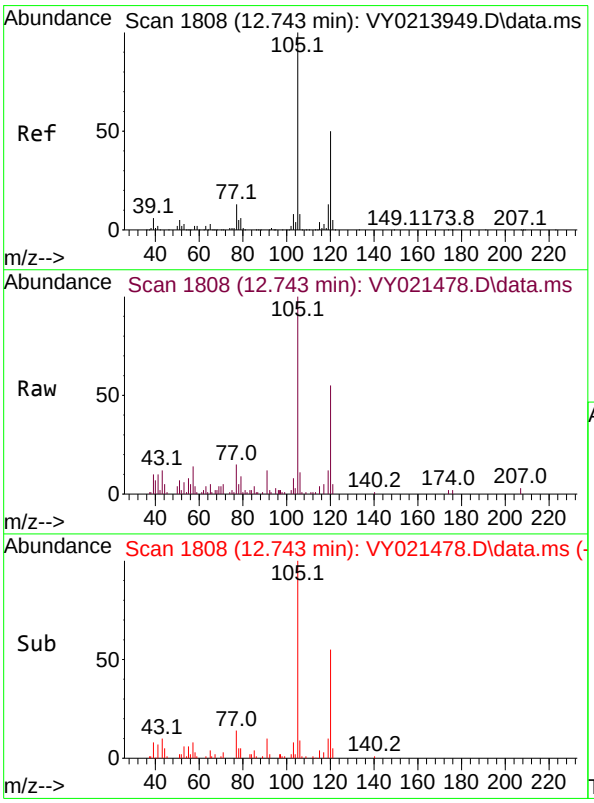
#76
1,2,3-Trichloropropane
Concen: 59.628 ug/l
RT: 12.414 min Scan# 1
Delta R.T. -0.146 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 75 Resp: 77796

Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

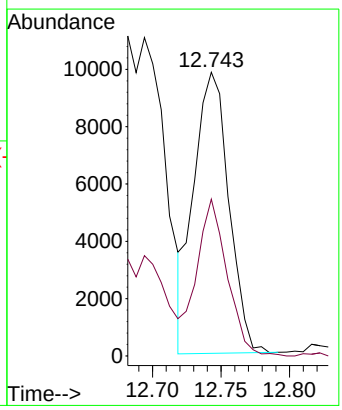


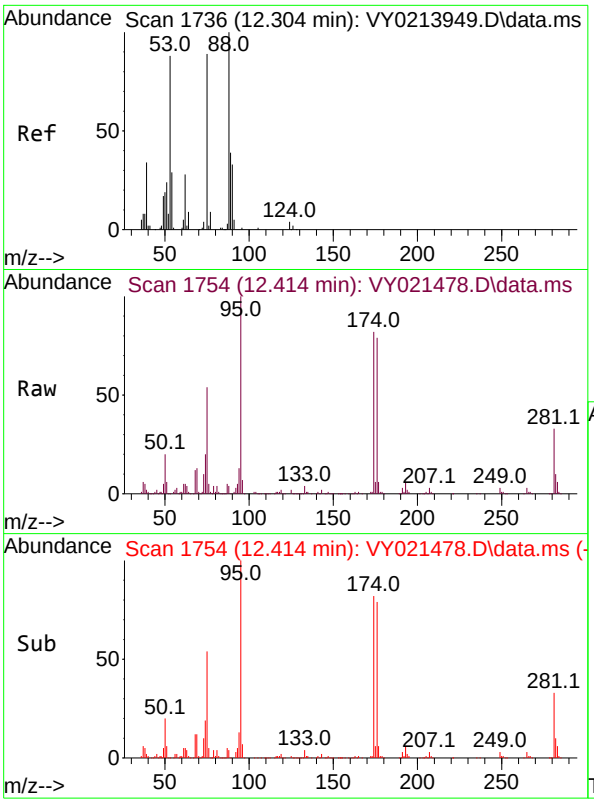


#80
1,3,5-Trimethylbenzene
Concen: 2.104 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:105 Resp: 17440

Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.6	73.6



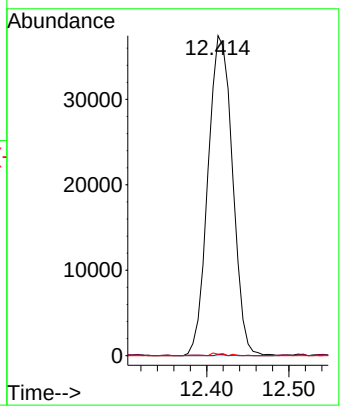


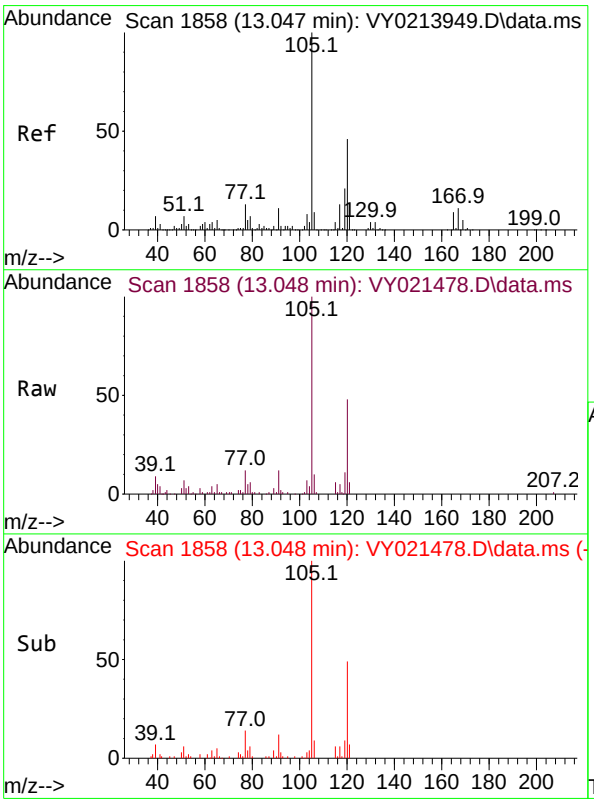
#81
trans-1,4-Dichloro-2-butene
Concen: 135.552 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.110 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 75 Resp: 77796

Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.0	121.4#
89	0.4	36.9	55.3#

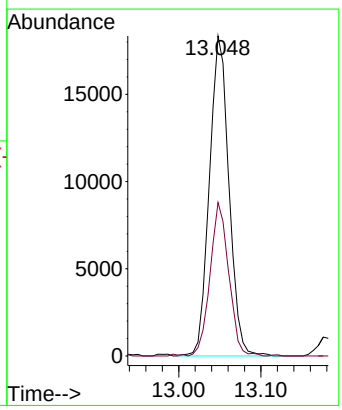


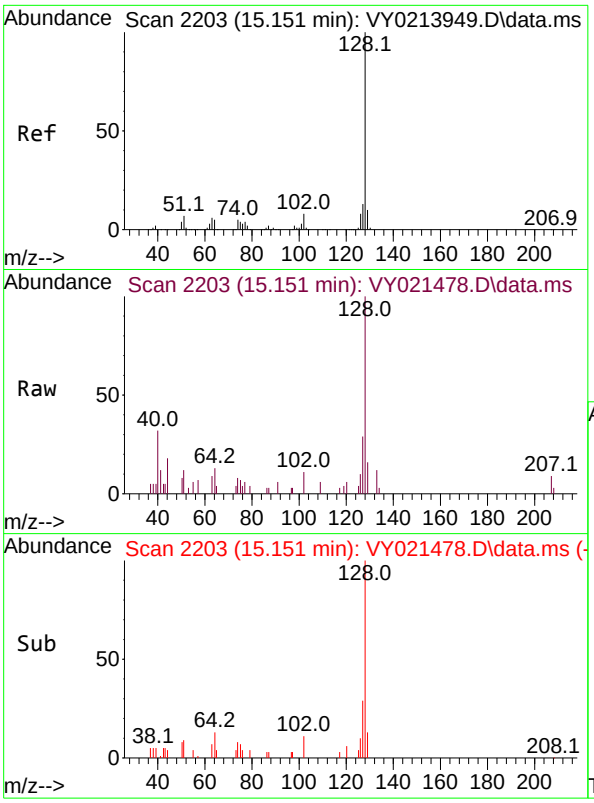


#84
1,2,4-Trimethylbenzene
Concen: 3.680 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Tgt Ion:105 Resp: 30286

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





#95
Naphthalene
Concen: 2.557 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021478.D
Acq: 11 Mar 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:128 Resp: 3892

Ion	Ratio	Lower	Upper
128	100		
127	19.5	10.6	15.8#
129	14.2	8.6	13.0#