Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022520.D
Acq On : 03 Jun 2025 14:14
Operator : SY/MD
Sample : Q2168-03
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A3

Quant Time: Jun 04 04:12:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	13184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	20621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	3173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	6122	41.518	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 83.040%			
35) Dibromofluoromethane	7.634	113	3777	30.687	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 61.380%			
50) Toluene-d8	10.109	98	21683	43.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.200%			
62) 4-Bromofluorobenzene	12.408	95	4547	30.686	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.380%			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	614	1.761	ug/l	91
5) Bromomethane	2.617	94	445	1.148	ug/l #	58
10) Methyl Iodide	4.013	142	286	1.827	ug/l #	54
13) Acrolein	3.610	56	50	3.809	ug/l #	62
16) Acetone	3.879	43	107	3.573	ug/l #	45
29) Tetrahydrofuran	7.238	42	54	1.938	ug/l #	31
31) Cyclohexane	7.726	56	673	2.375	ug/l #	44
36) 1,1-Dichloropropene	7.695	75	660	3.304	ug/l #	42
38) Carbon Tetrachloride	7.713	117	1508	7.359	ug/l #	13
39) Methylcyclohexane	9.103	83	889	3.312	ug/l #	62
40) Benzene	8.079	78	19962	33.833	ug/l	96
48) Methyl methacrylate	9.237	41	116	1.285	ug/l #	50
52) Toluene	10.170	92	20379	54.962	ug/l	95
55) 1,1,2-Trichloroethane	10.536	97	155	1.550	ug/l #	15
59) 2-Hexanone	10.731	43	309	4.817	ug/l #	24
67) Ethyl Benzene	11.518	91	4541	8.324	ug/l #	81
68) m/p-Xylenes	11.627	106	8529	41.243	ug/l	100
69) o-Xylene	11.950	106	3958	20.414	ug/l	95
70) Styrene	11.969	104	980	3.058	ug/l #	20
73) Isopropylbenzene	12.243	105	455	1.747	ug/l	87
74) N-amyl acetate	12.085	43	115	1.750	ug/l #	64
76) 1,2,3-Trichloropropane	12.402	75	2346	64.628	ug/l #	100
78) n-propylbenzene	12.597	91	905	2.844	ug/l	84
79) 2-Chlorotoluene	12.651	91	331	1.963	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.737	105	1606	7.853	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.402	75	2346	156.072	ug/l #	11
82) 4-Chlorotoluene	12.743	91	345	1.983	ug/l #	41
83) tert-Butylbenzene	13.048	119	359	1.956	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.042	105	3695	18.064	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.371	75	20	3.213	ug/l #	54
95) Naphthalene	15.139	128	1622	16.388	ug/l #	84

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

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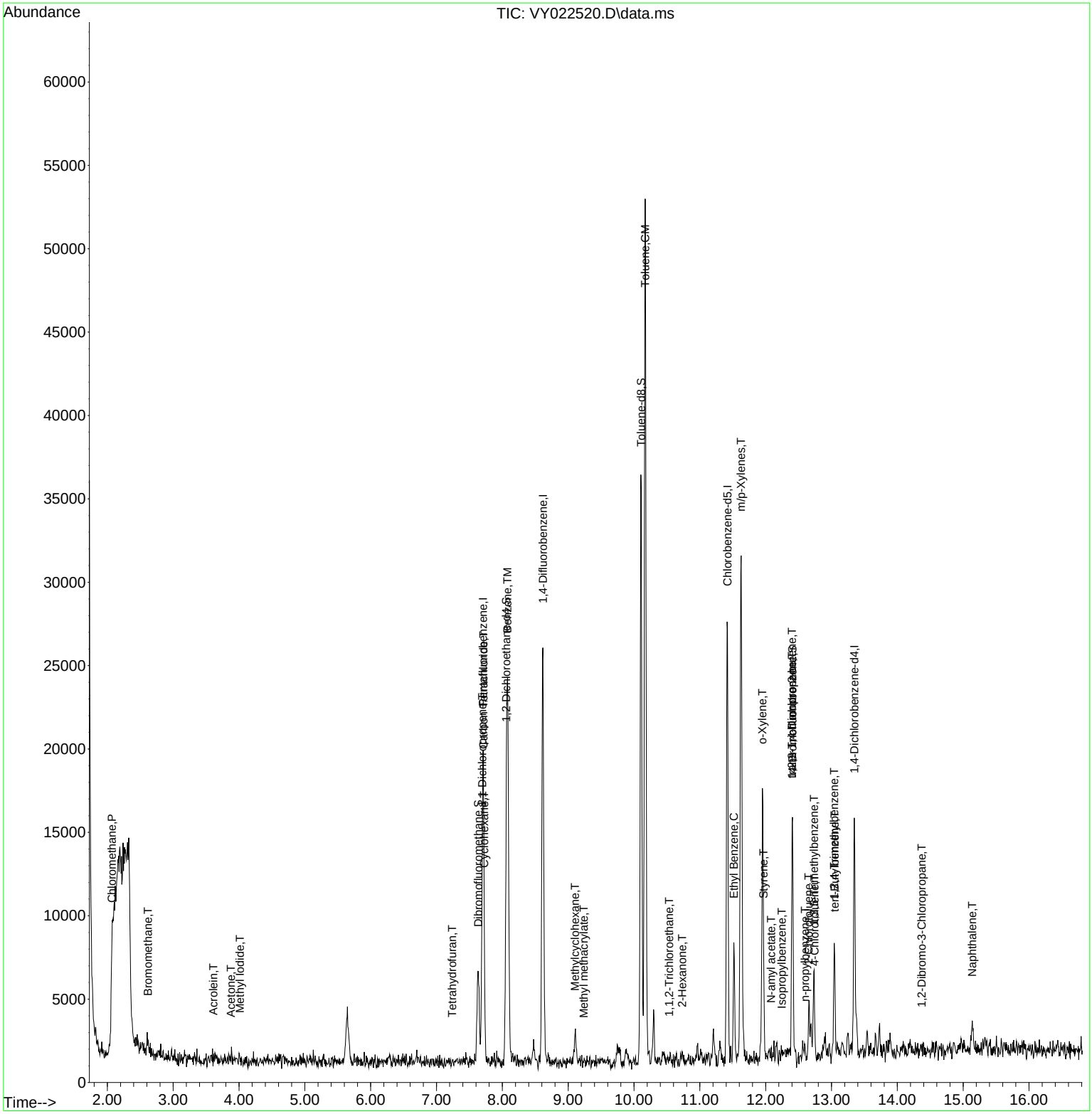
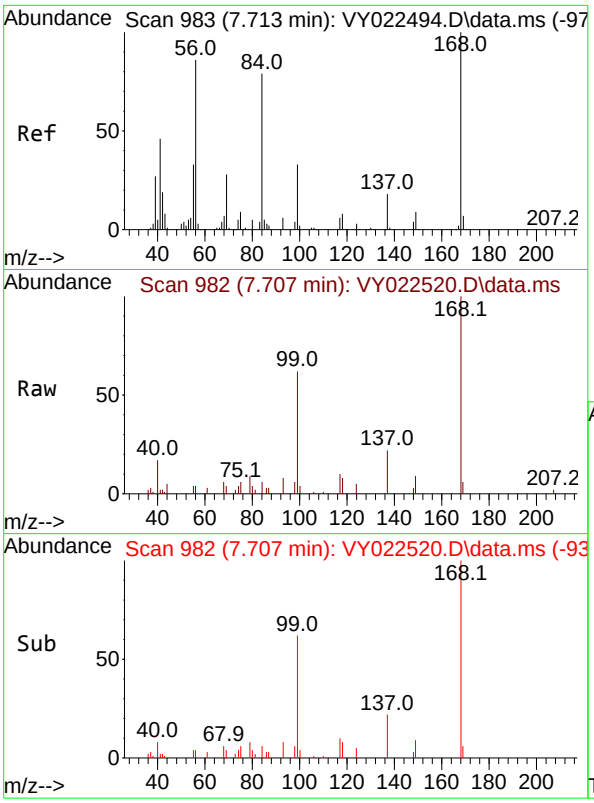
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



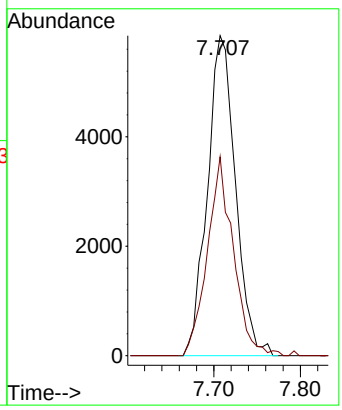


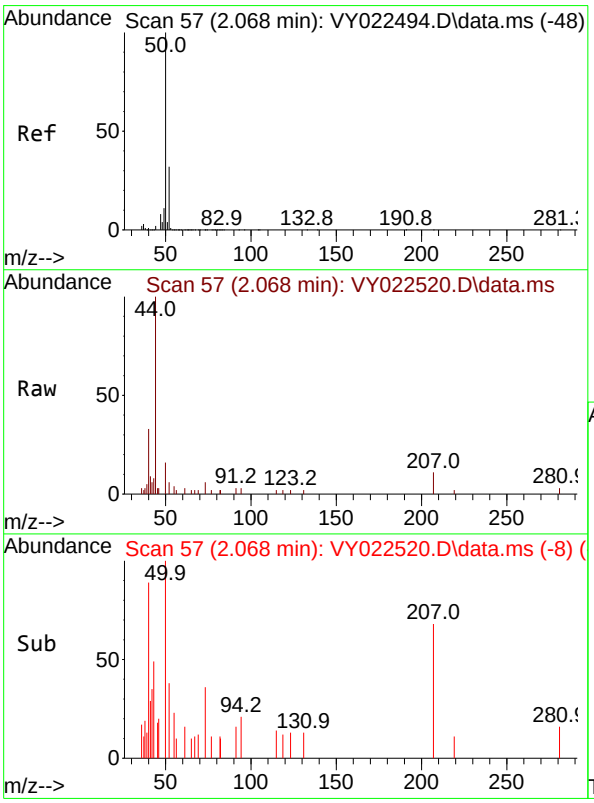
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:168 Resp: 13184

Ion	Ratio	Lower	Upper
168	100		
99	62.2	44.3	66.5

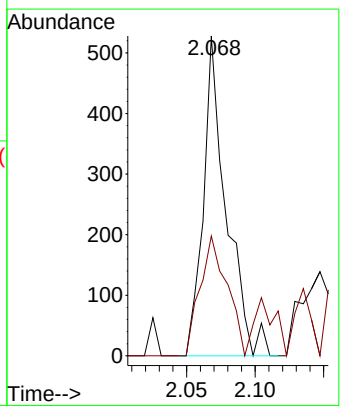


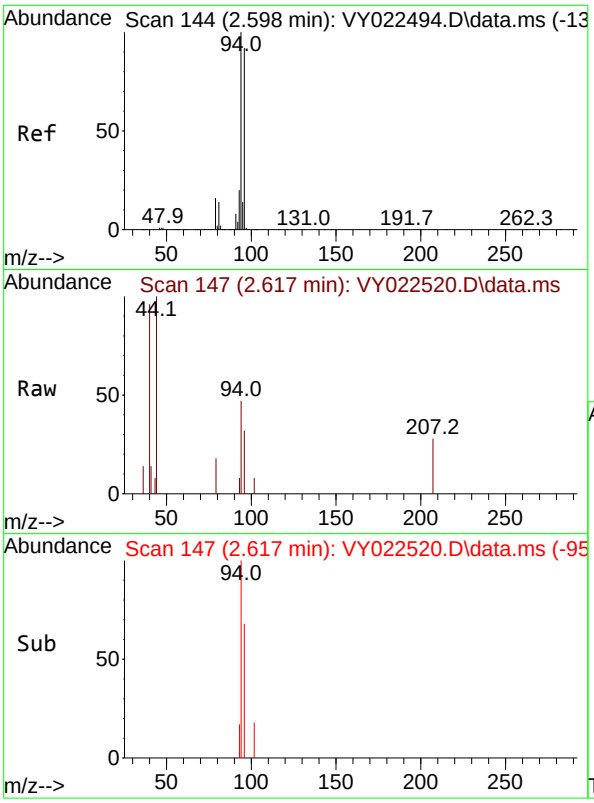


#3
Chloromethane
Concen: 1.761 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 50 Resp: 614

Ion	Ratio	Lower	Upper
50	100		
52	37.5	26.0	39.0



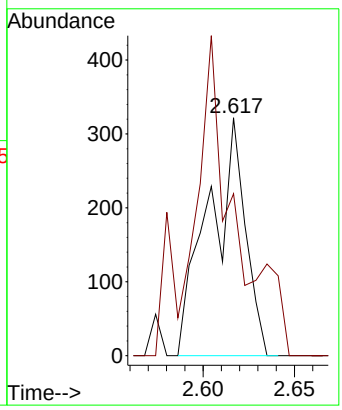


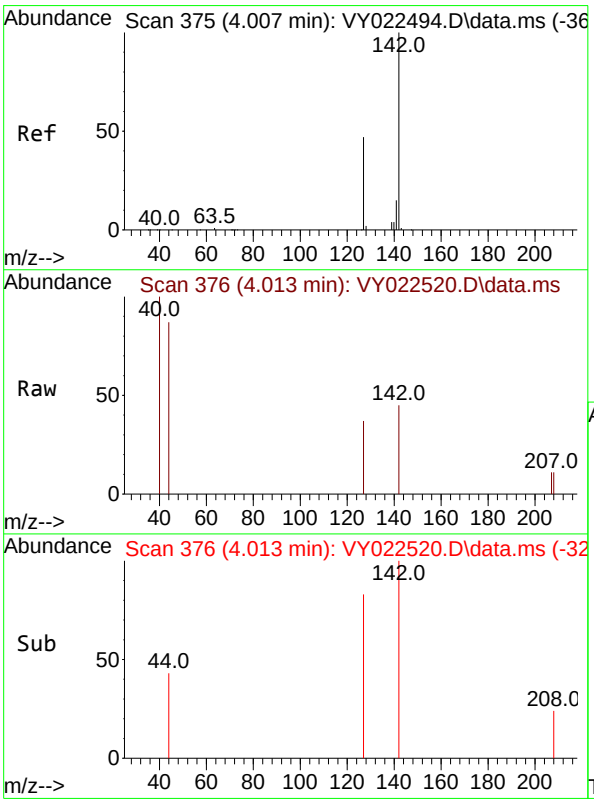
#5
Bromomethane
Concen: 1.148 ug/l
RT: 2.617 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 94 Resp: 445

Ion	Ratio	Lower	Upper
94	100		
96	52.2	74.0	111.0#

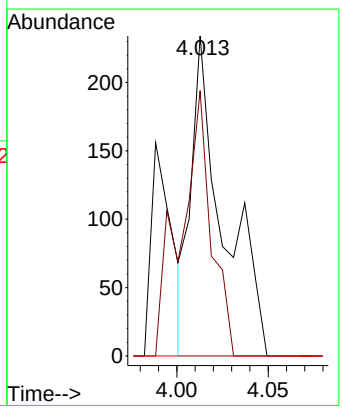


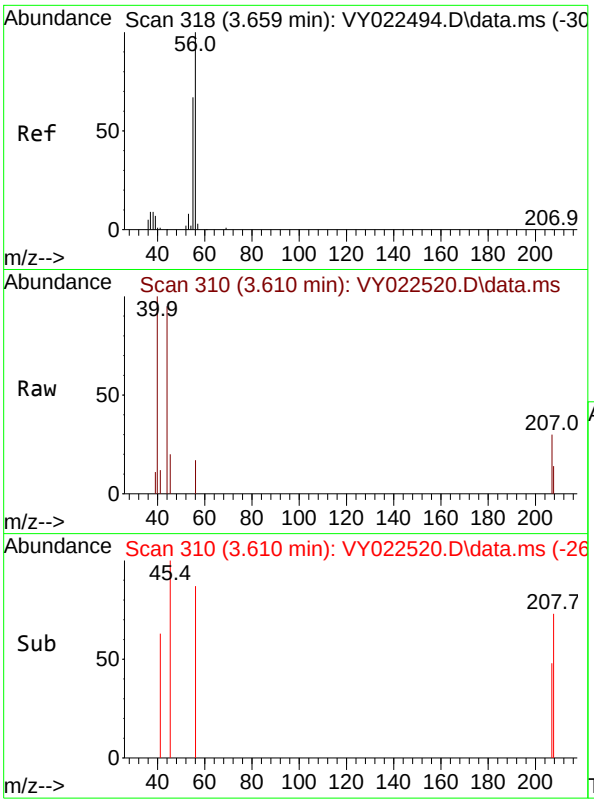


#10
Methyl Iodide
Concen: 1.827 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:142 Resp: 286

Ion	Ratio	Lower	Upper
142	100		
127	79.0	37.1	55.7#
141	0.0	11.4	17.2#



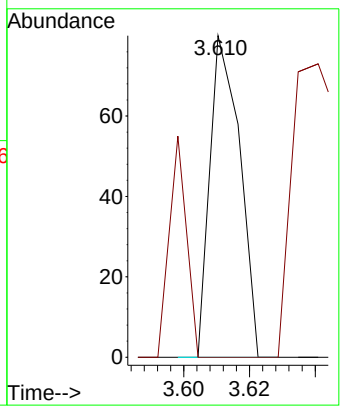


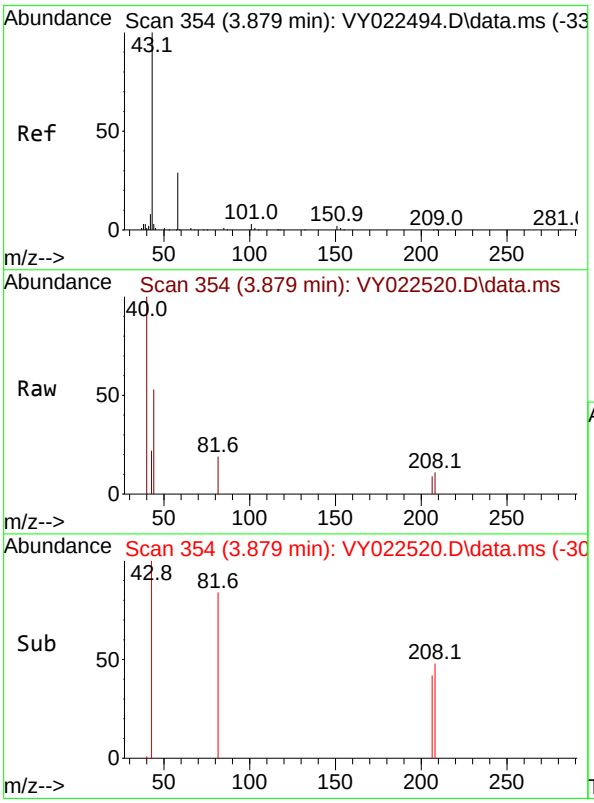
#13
Acrolein
Concen: 3.809 ug/l
RT: 3.610 min Scan# 3
Delta R.T. -0.049 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 56 Resp: 50

Ion	Ratio	Lower	Upper
56	100		
55	40.0	57.0	85.6#

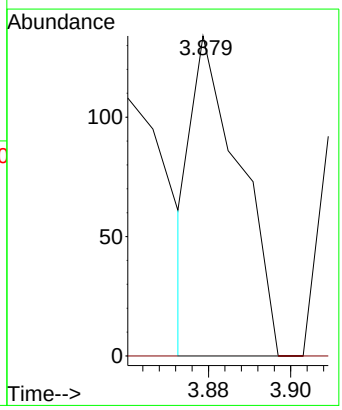


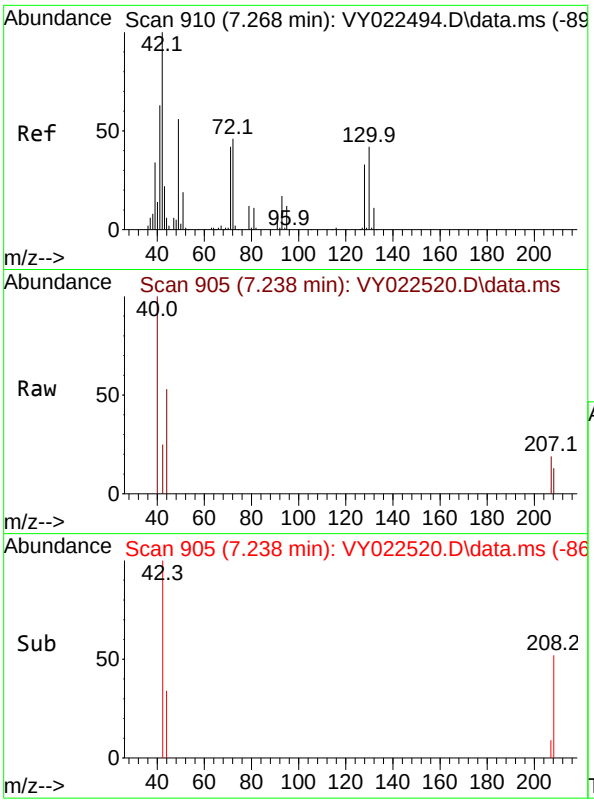


#16
Acetone
Concen: 3.573 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 43 Resp: 107

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.0	36.0#



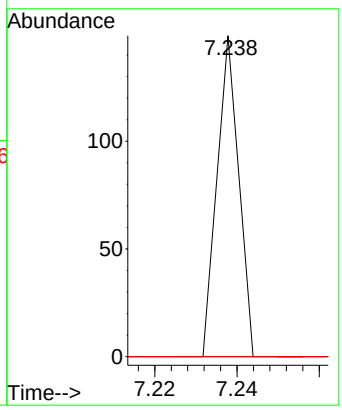


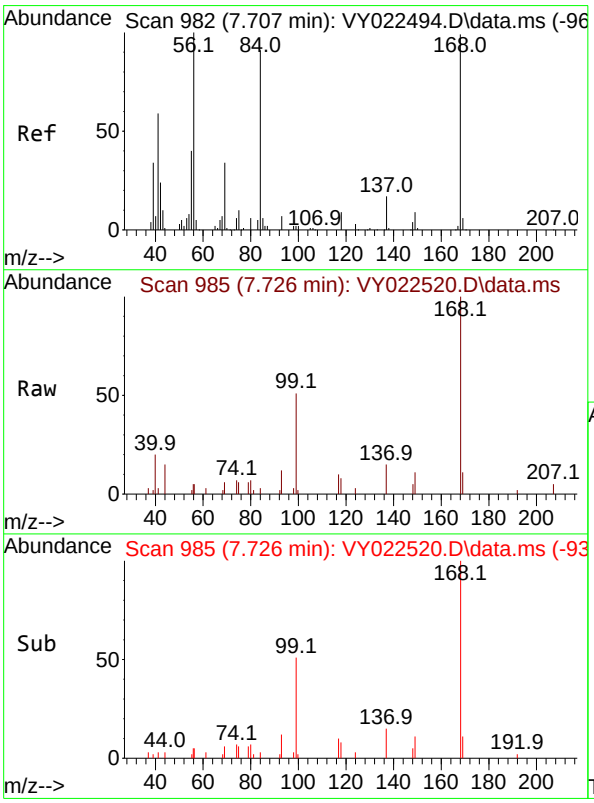
#29
Tetrahydrofuran
Concen: 1.938 ug/l
RT: 7.238 min Scan# 9
Delta R.T. -0.031 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 42 Resp: 54

Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.2#
71	0.0	34.2	51.2#

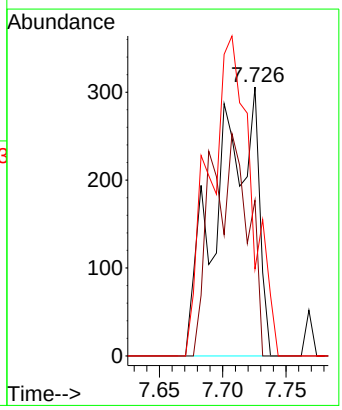


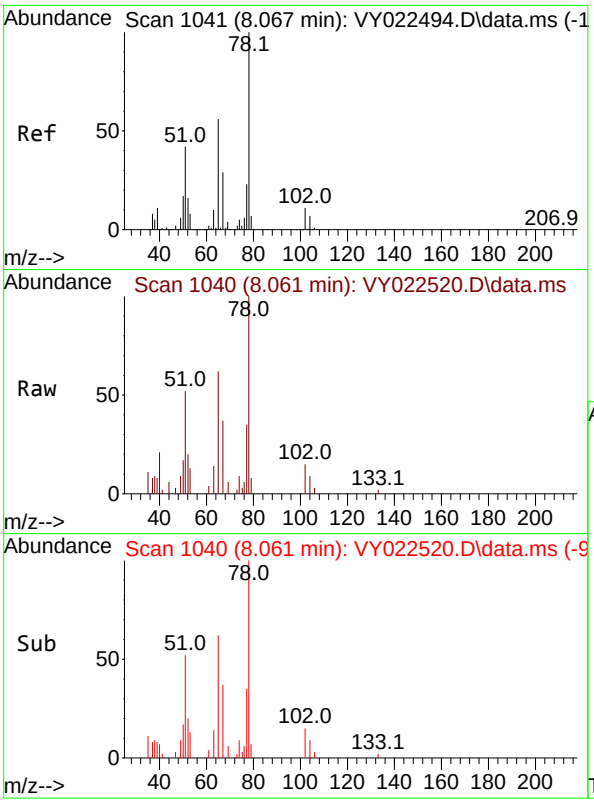


#31
Cyclohexane
Concen: 2.375 ug/l
RT: 7.726 min Scan# 985
Delta R.T. 0.018 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 56 Resp: 673

Ion	Ratio	Lower	Upper
56	100		
69	57.8	27.0	40.6#
84	32.4	72.6	109.0#



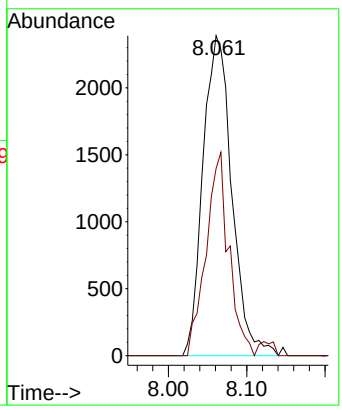


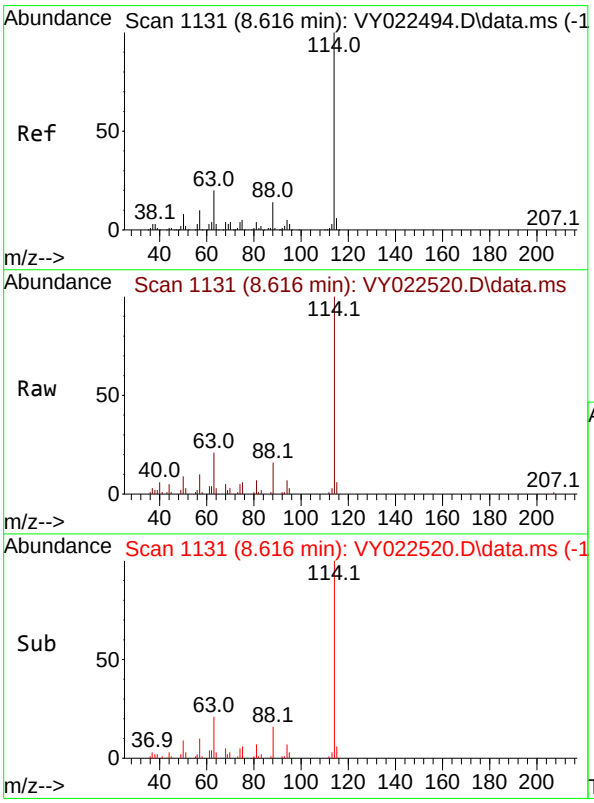
#33
1,2-Dichloroethane-d4
Concen: 41.518 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 65 Resp: 6122

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	103.4

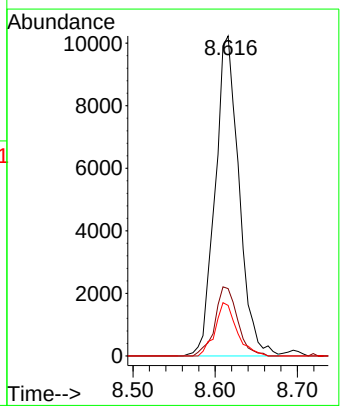


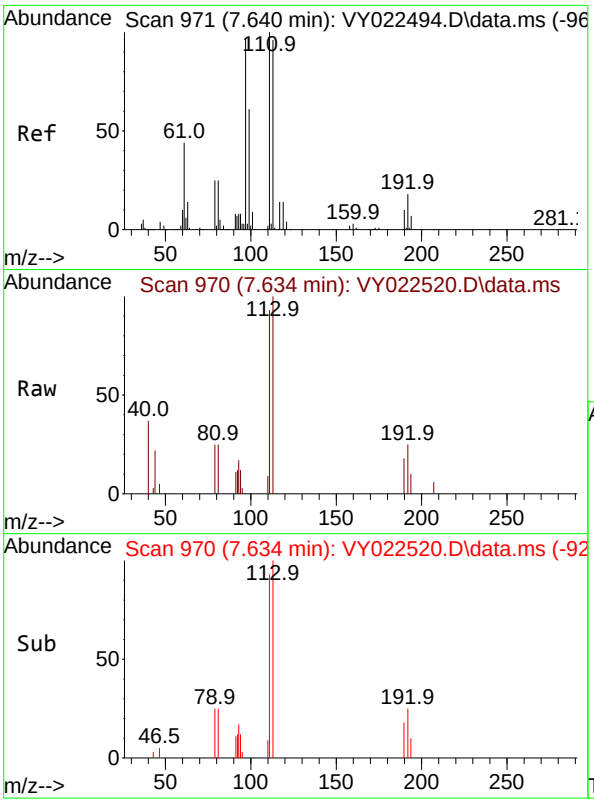


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:114 Resp: 20621

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.8
88	15.8	0.0	27.8



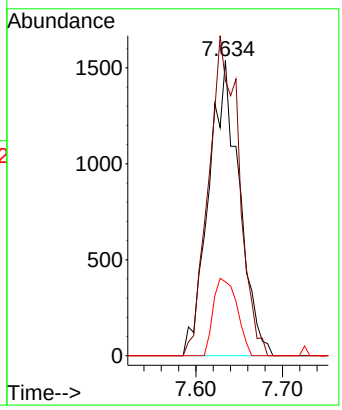


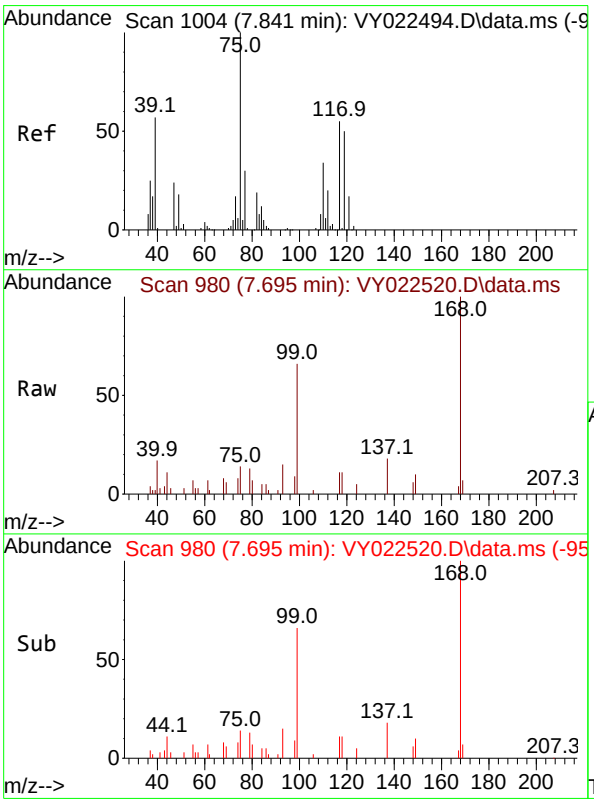
#35
Dibromofluoromethane
Concen: 30.687 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:113 Resp: 3777

Ion	Ratio	Lower	Upper
113	100		
111	107.4	81.1	121.7
192	20.2	14.2	21.2

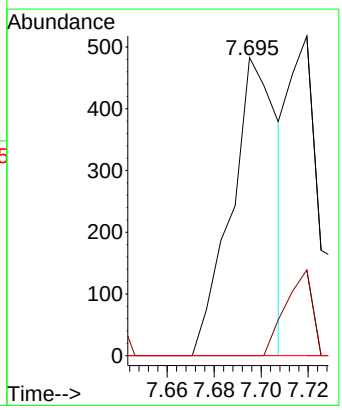


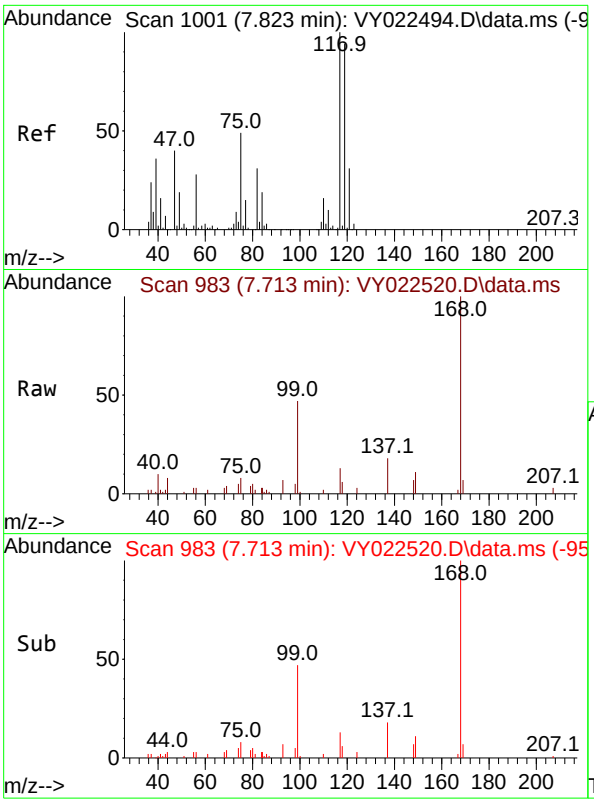


#36
1,1-Dichloropropene
Concen: 3.304 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.146 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 75 Resp: 660

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.9	50.7#
77	0.0	24.8	37.2#



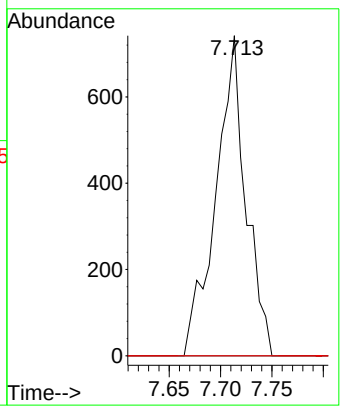


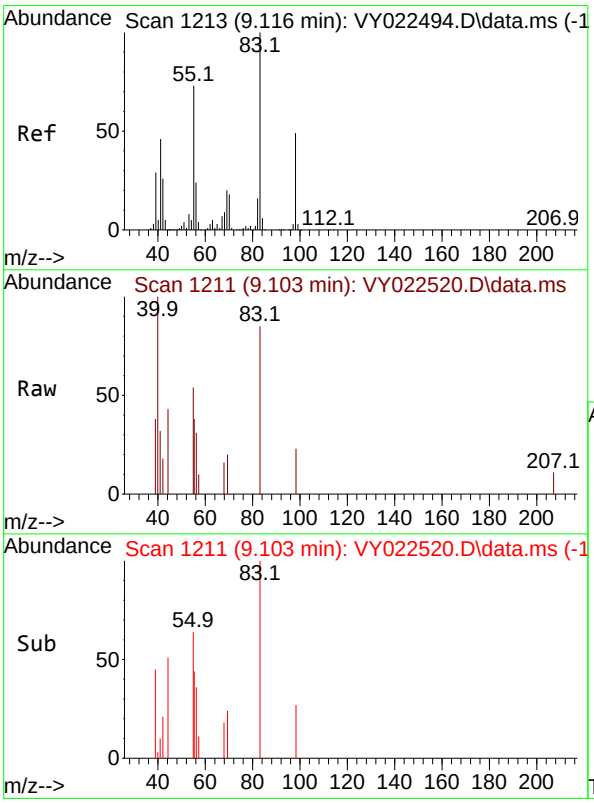
#38
Carbon Tetrachloride
Concen: 7.359 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.110 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:117 Resp: 1508

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
121	0.0	25.0	37.4#

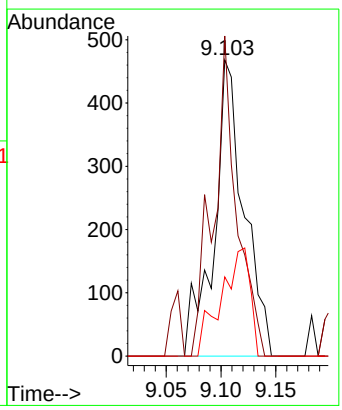


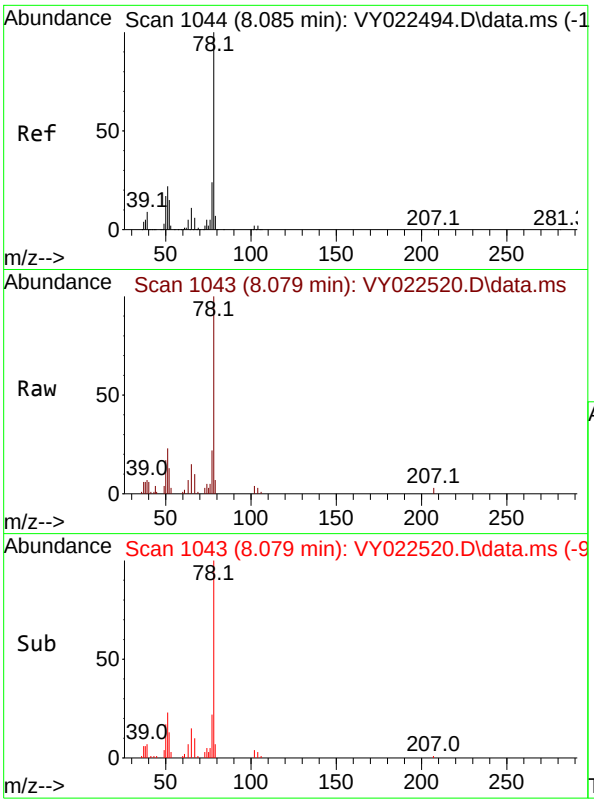


#39
Methylcyclohexane
Concen: 3.312 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.012 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 83 Resp: 889

Ion	Ratio	Lower	Upper
83	100		
55	108.1	58.1	87.1#
98	26.7	39.0	58.6#



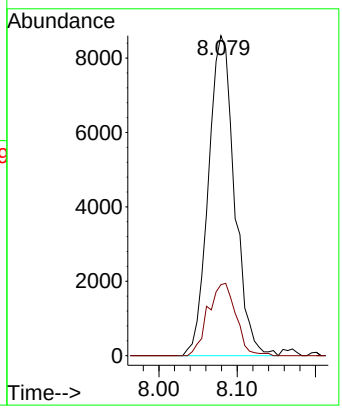


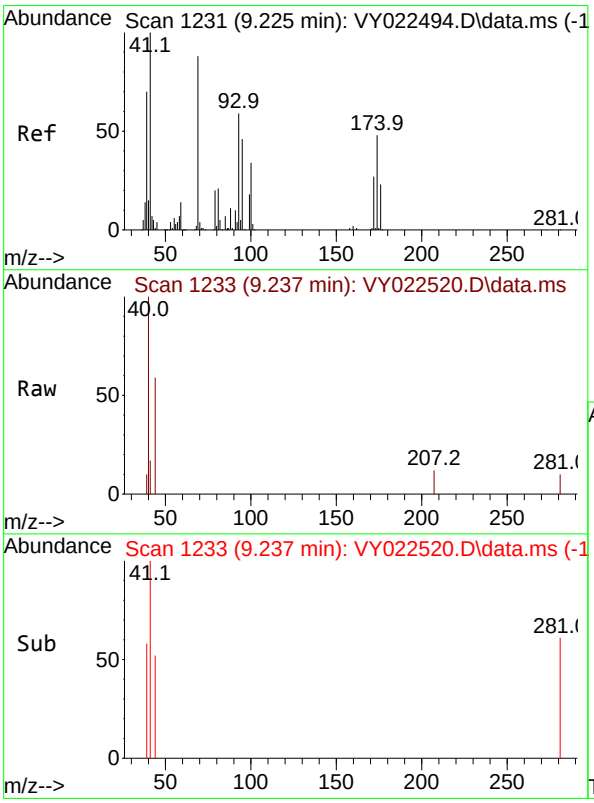
#40
Benzene
Concen: 33.833 ug/l
RT: 8.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 78 Resp: 19962

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.3	28.9

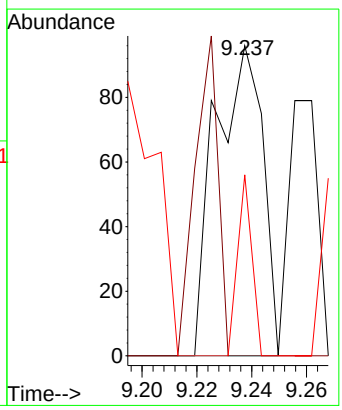


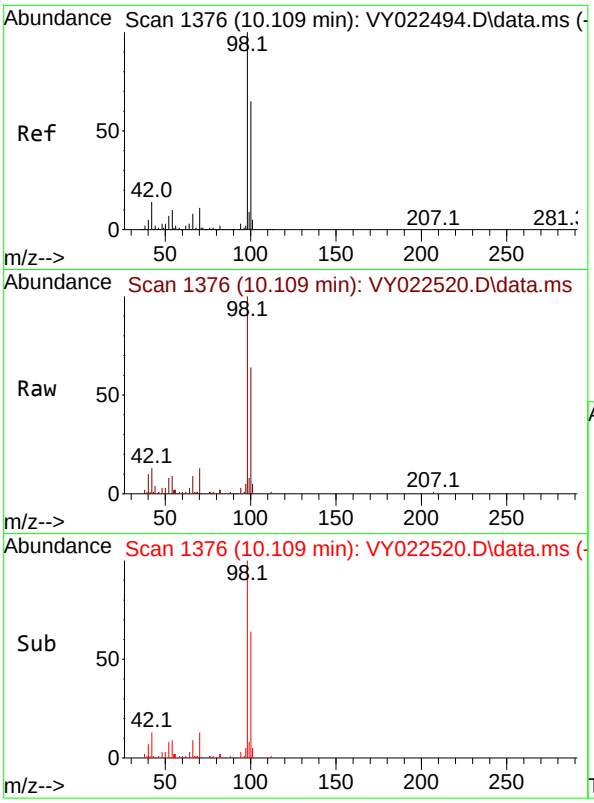


#48
Methyl methacrylate
Concen: 1.285 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.012 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 41 Resp: 116

Ion	Ratio	Lower	Upper
41	100		
69	49.1	67.8	101.8#
39	17.2	55.0	82.4#



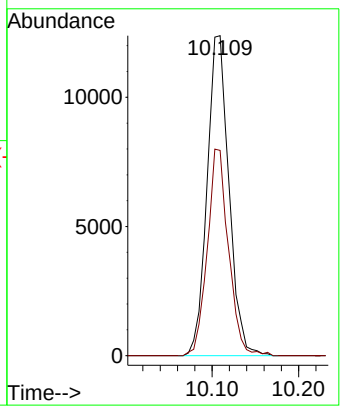


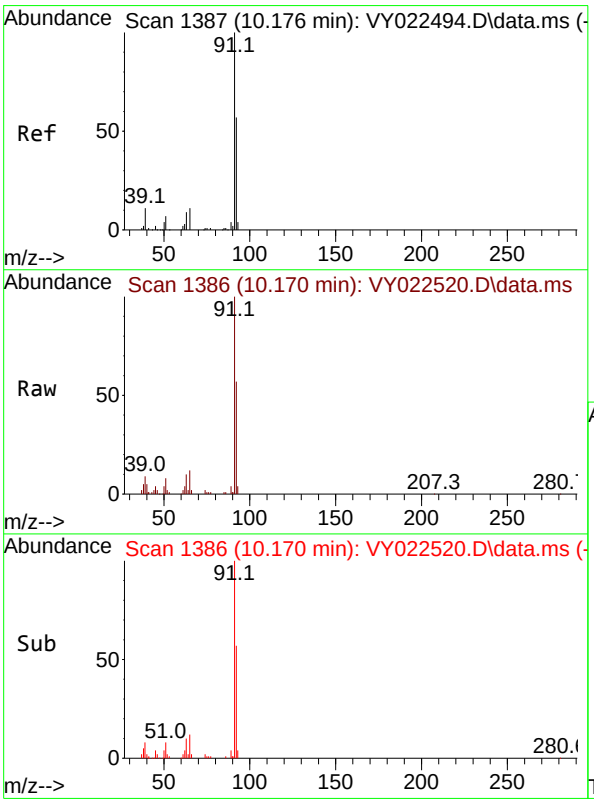
#50
Toluene-d8
Concen: 43.599 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 98 Resp: 21683

Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.4	77.0

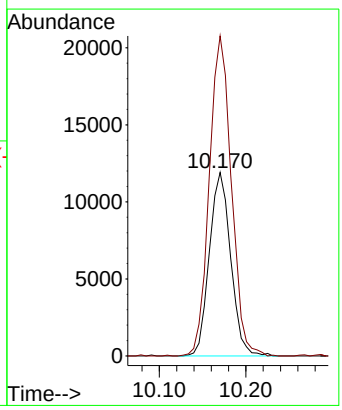


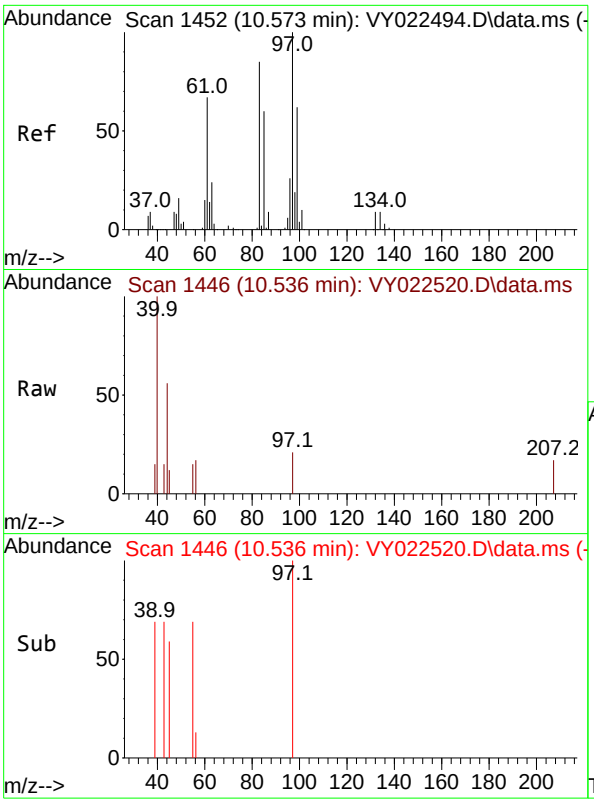


#52
Toluene
Concen: 54.962 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 92 Resp: 20379

Ion	Ratio	Lower	Upper
92	100		
91	180.5	139.0	208.4



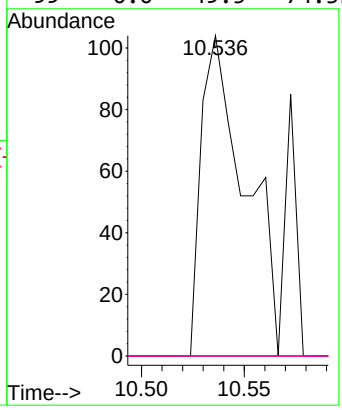


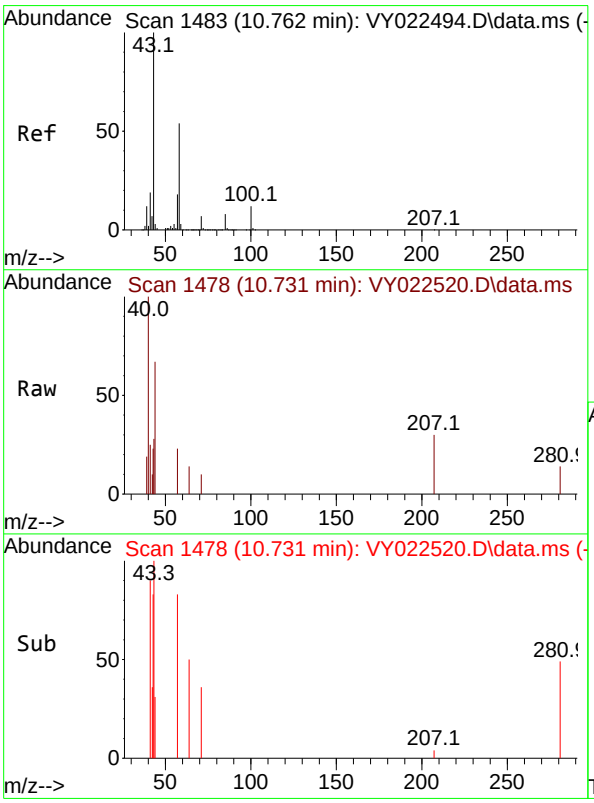
#55
1,1,2-Trichloroethane
Concen: 1.550 ug/l
RT: 10.536 min Scan# 14
Delta R.T. -0.037 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 97 Resp: 155

Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	48.2	72.2#
99	0.0	49.5	74.3#

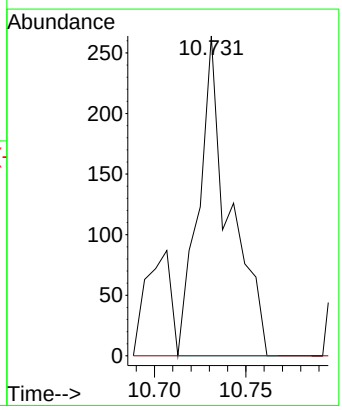


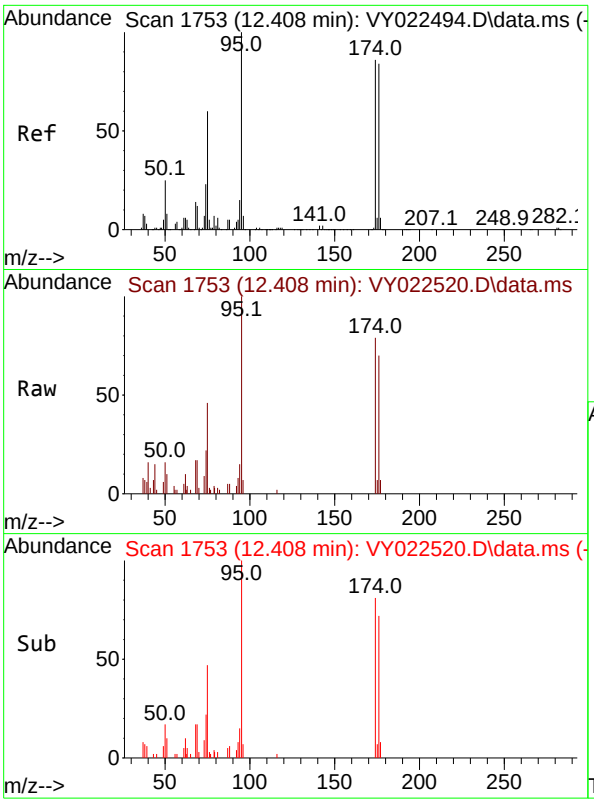


#59
2-Hexanone
Concen: 4.817 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 43 Resp: 309

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



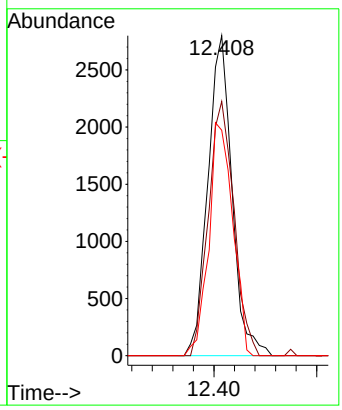


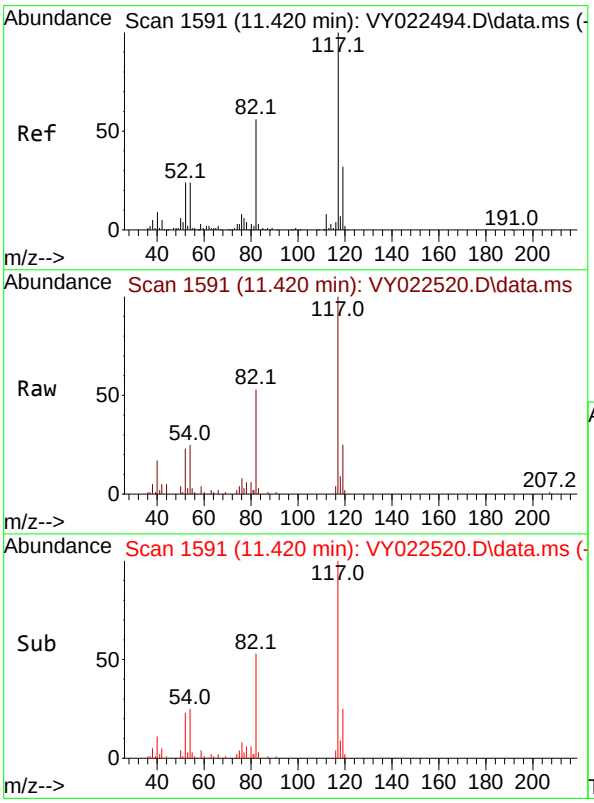
#62
4-Bromofluorobenzene
Concen: 30.686 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 95 Resp: 4547

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.0
176	72.9	0.0	166.2

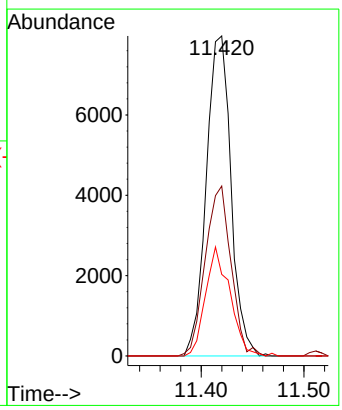


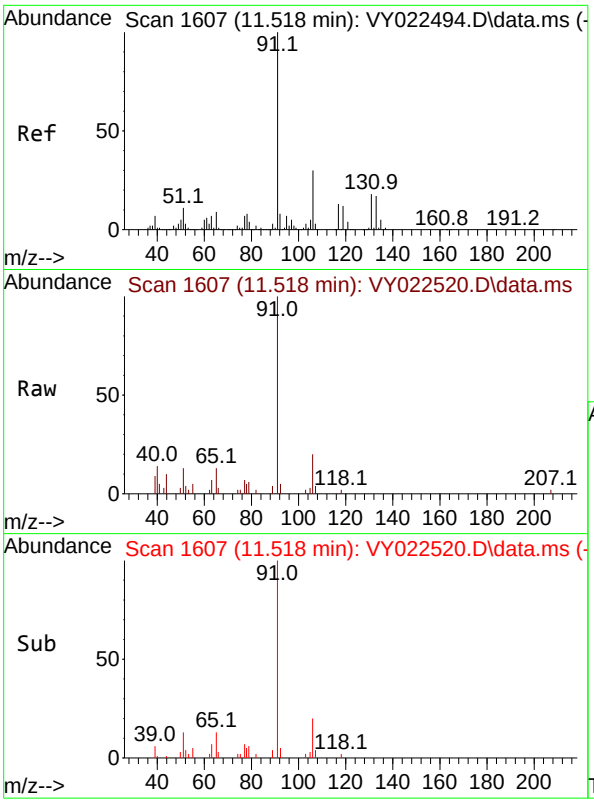


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:117 Resp: 13291

Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.6	66.8
119	25.5	25.4	38.0



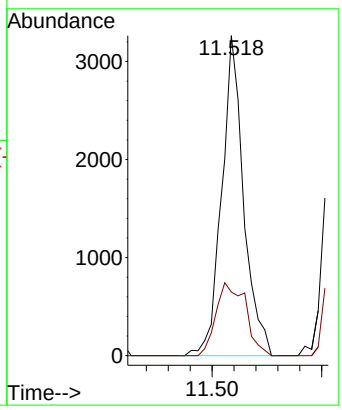


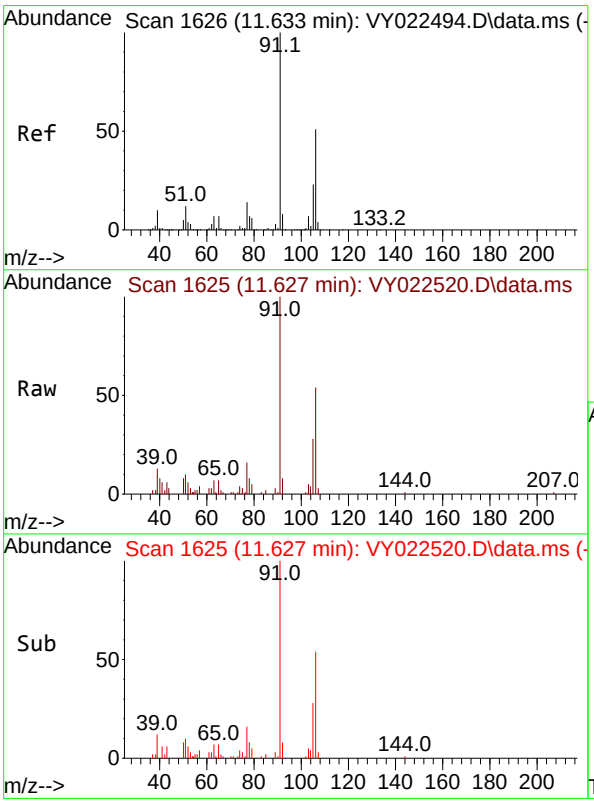
#67
Ethyl Benzene
Concen: 8.324 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 91 Resp: 4541

Ion	Ratio	Lower	Upper
91	100		
106	19.9	24.2	36.4#

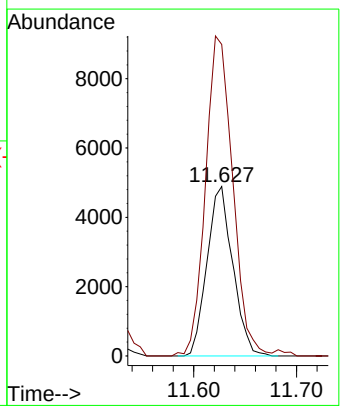


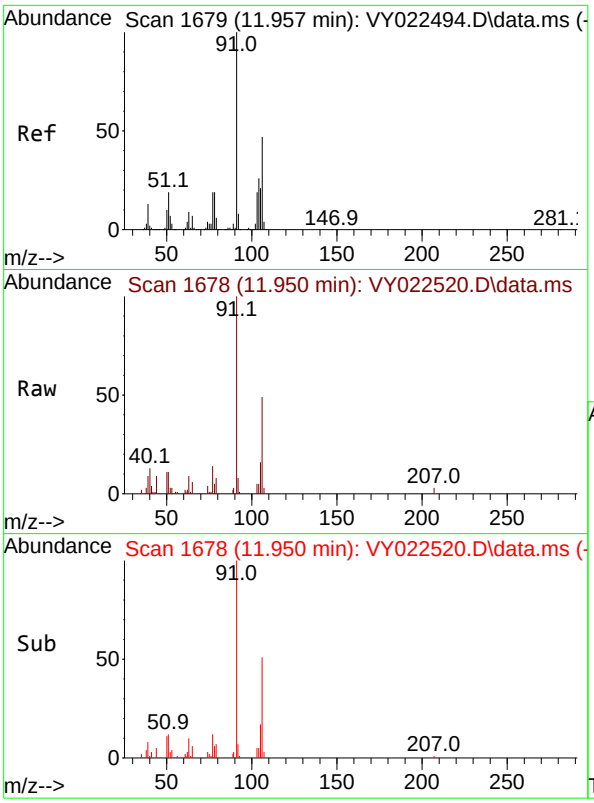


#68
m/p-Xylenes
Concen: 41.243 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:106 Resp: 8529

Ion	Ratio	Lower	Upper
106	100		
91	199.0	159.4	239.0



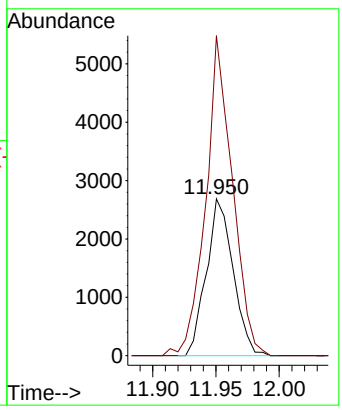


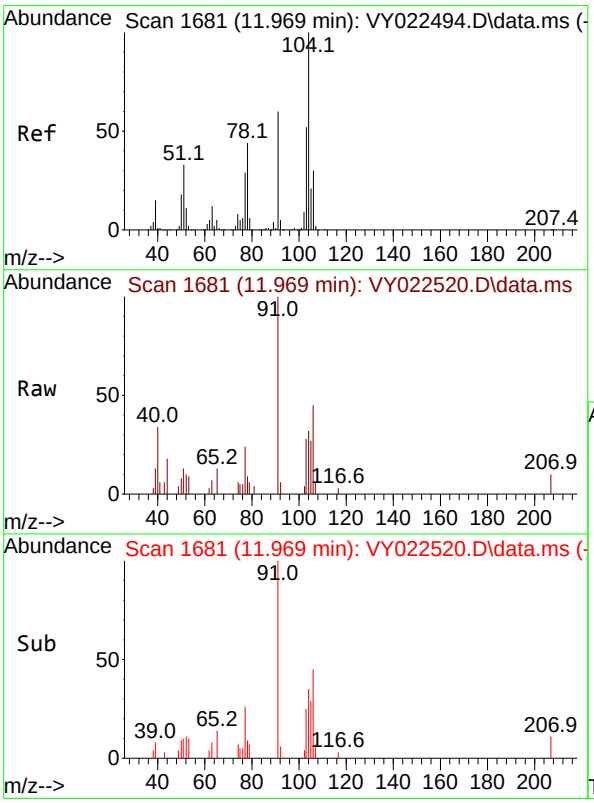
#69
o-Xylene
Concen: 20.414 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:106 Resp: 3958

Ion	Ratio	Lower	Upper
106	100		
91	203.1	105.8	317.3

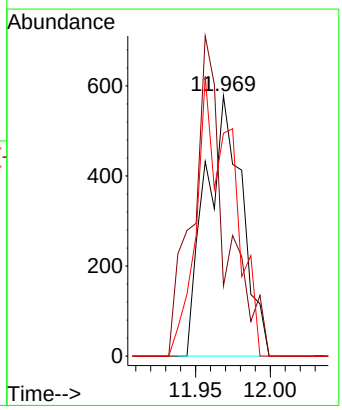


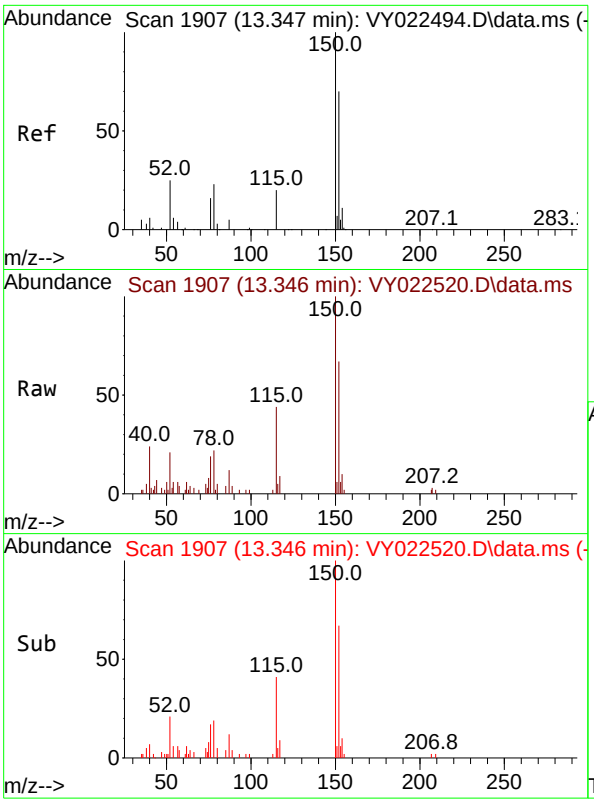


#70
Styrene
Concen: 3.058 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:104 Resp: 980

Ion	Ratio	Lower	Upper
104	100		
78	110.9	39.5	59.3#
103	106.8	44.1	66.1#



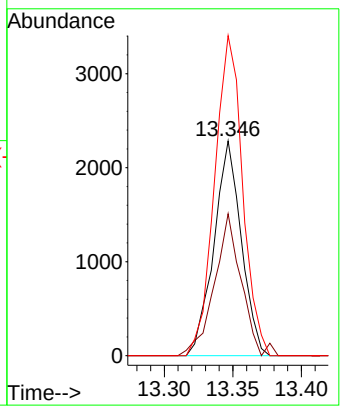


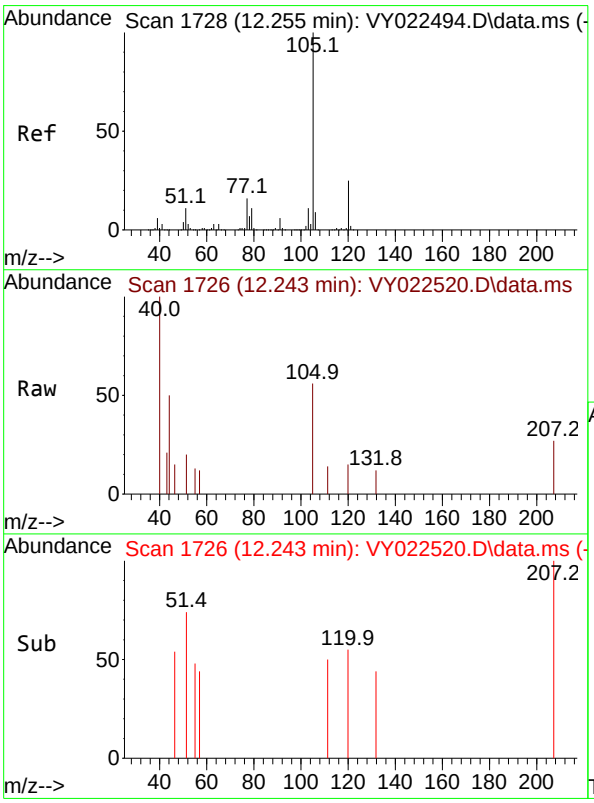
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:152 Resp: 3173

Ion	Ratio	Lower	Upper
152	100		
115	65.0	28.9	86.7
150	152.6	0.0	349.6

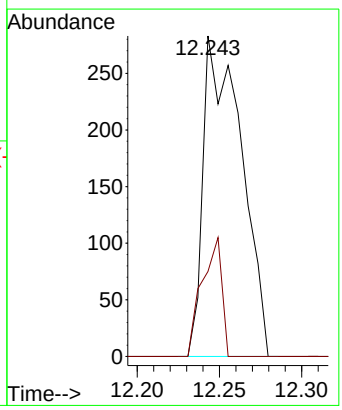


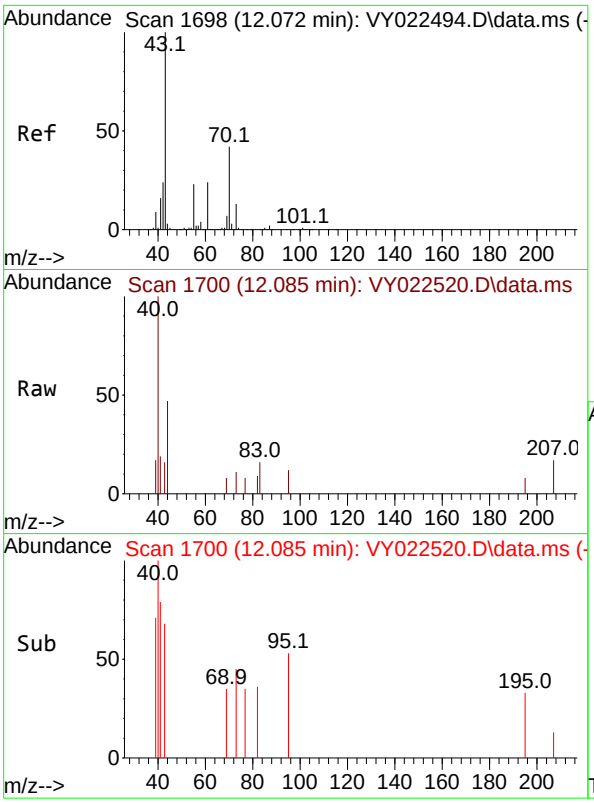


#73
Isopropylbenzene
Concen: 1.747 ug/l
RT: 12.243 min Scan# 1726
Delta R.T. -0.012 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:105 Resp: 455

Ion	Ratio	Lower	Upper
105	100		
120	19.3	13.0	38.9



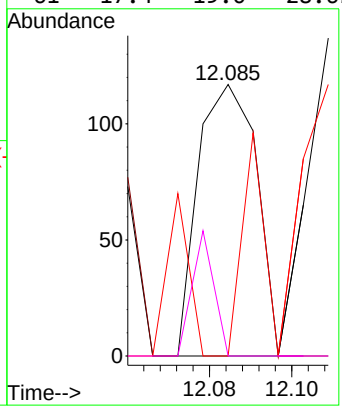


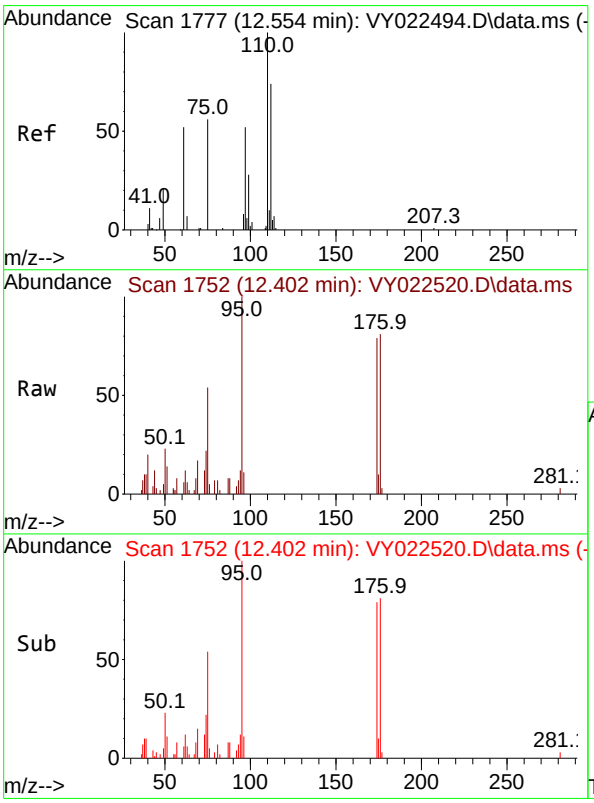
#74
N-amyl acetate
Concen: 1.750 ug/l
RT: 12.085 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 43 Resp: 115

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.2	51.2#
55	22.6	18.2	27.4
61	17.4	19.0	28.6#

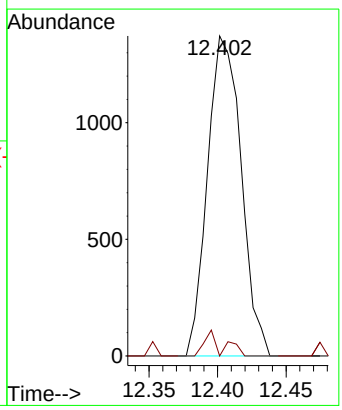


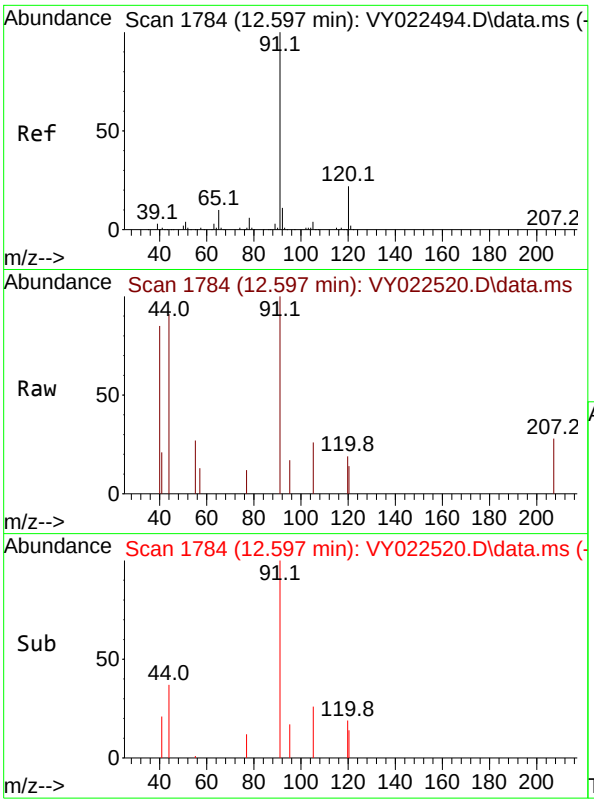


#76
1,2,3-Trichloropropane
Concen: 64.628 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 75 Resp: 2346

Ion	Ratio	Lower	Upper
75	100		
77	4.3	0.0	0.0#



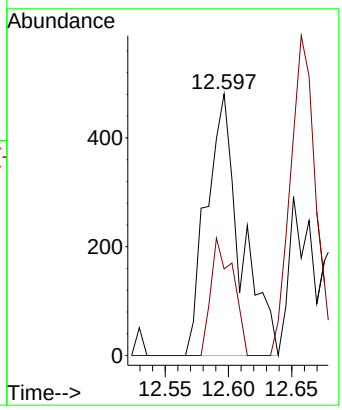


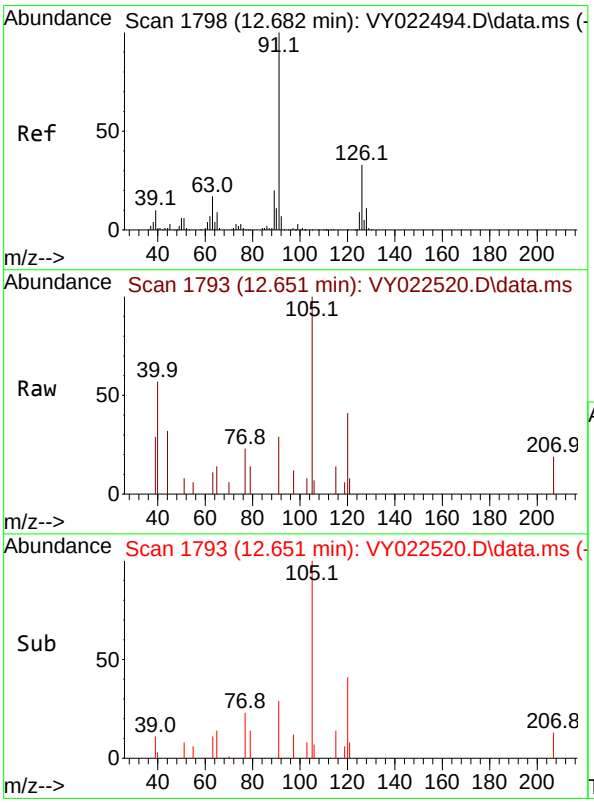
#78
n-propylbenzene
Concen: 2.844 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 91 Resp: 905

Ion	Ratio	Lower	Upper
91	100		
120	29.2	10.8	32.4

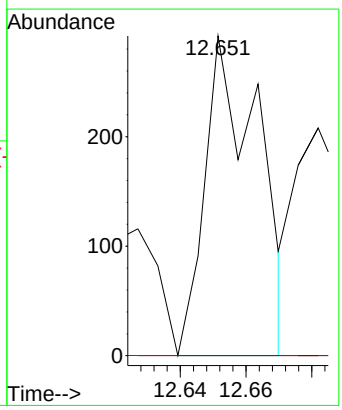


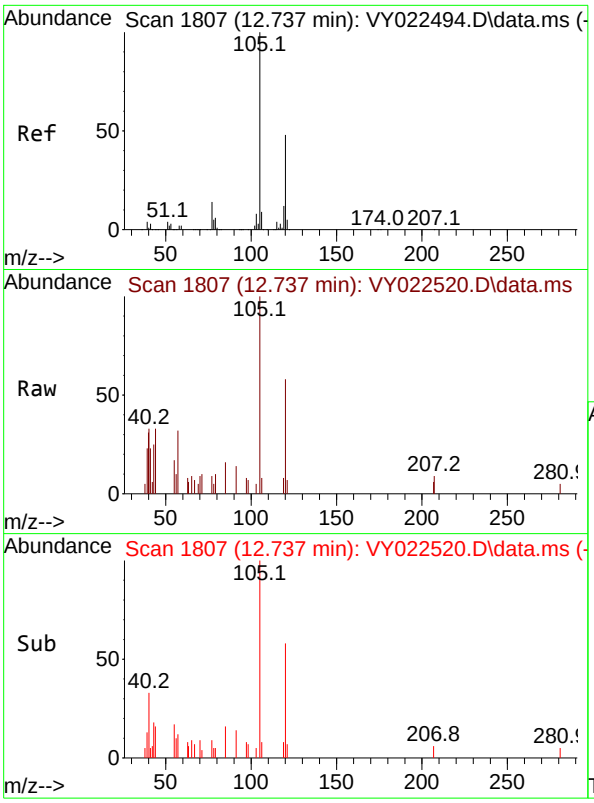


#79
2-Chlorotoluene
Concen: 1.963 ug/l
RT: 12.651 min Scan# 1793
Delta R.T. -0.031 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 91 Resp: 331

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	51.0#



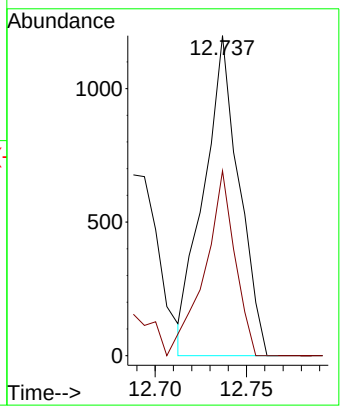


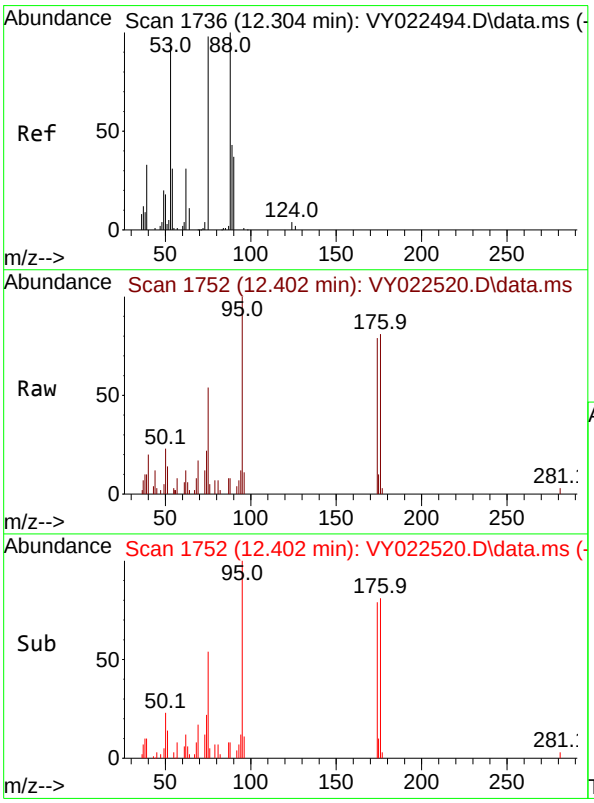
#80
1,3,5-Trimethylbenzene
Concen: 7.853 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:105 Resp: 1606

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4

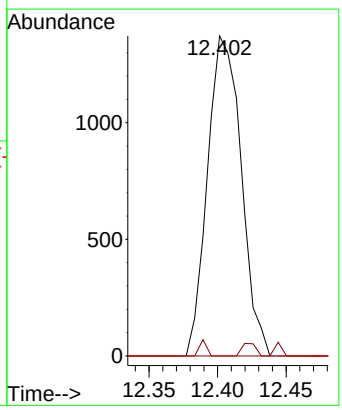


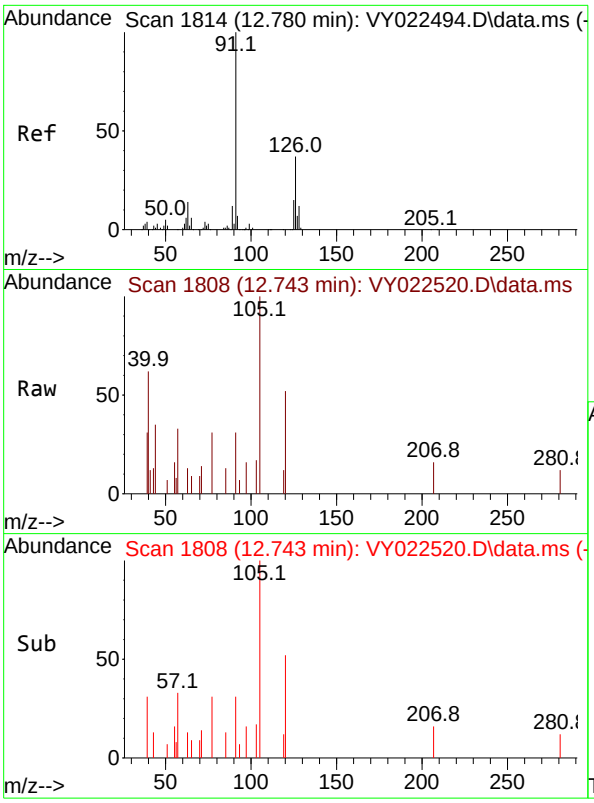


#81
trans-1,4-Dichloro-2-butene
Concen: 156.072 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 75 Resp: 2346

Ion	Ratio	Lower	Upper
75	100		
53	1.1	78.5	117.7#
89	0.0	35.7	53.5#



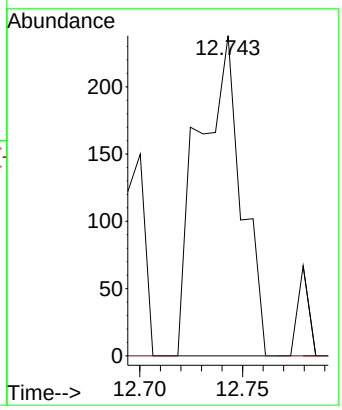


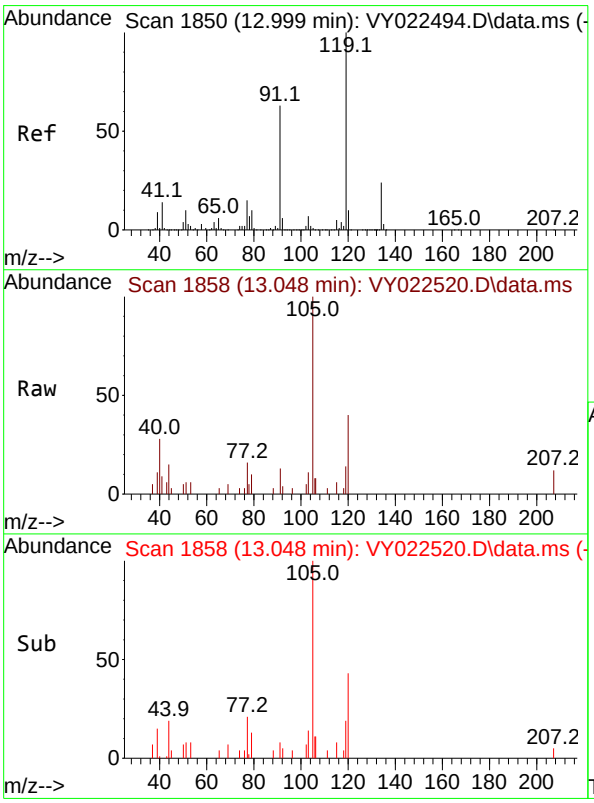
#82
4-Chlorotoluene
Concen: 1.983 ug/l
RT: 12.743 min Scan# 1
Delta R.T. -0.037 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion: 91 Resp: 345

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#

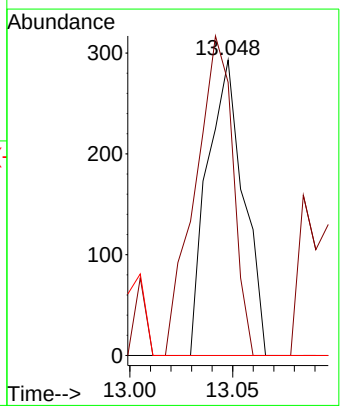


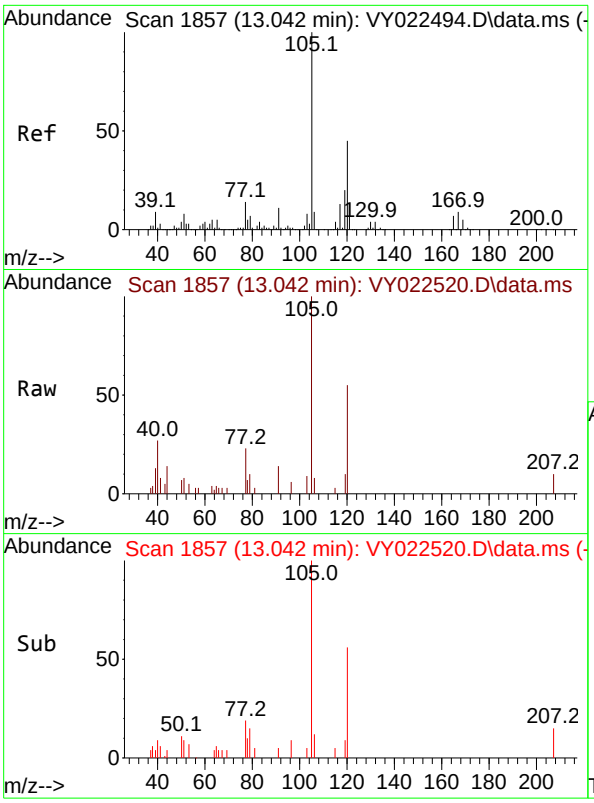


#83
tert-Butylbenzene
Concen: 1.956 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.049 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion:119 Resp: 359

Ion	Ratio	Lower	Upper
119	100		
91	113.1	32.1	96.3#
134	0.0	13.0	38.9#



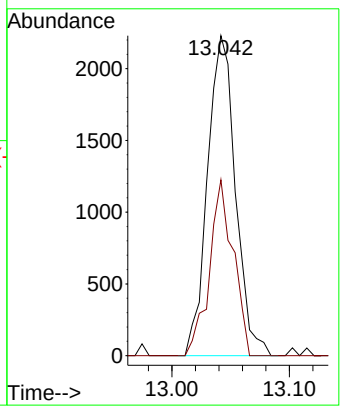


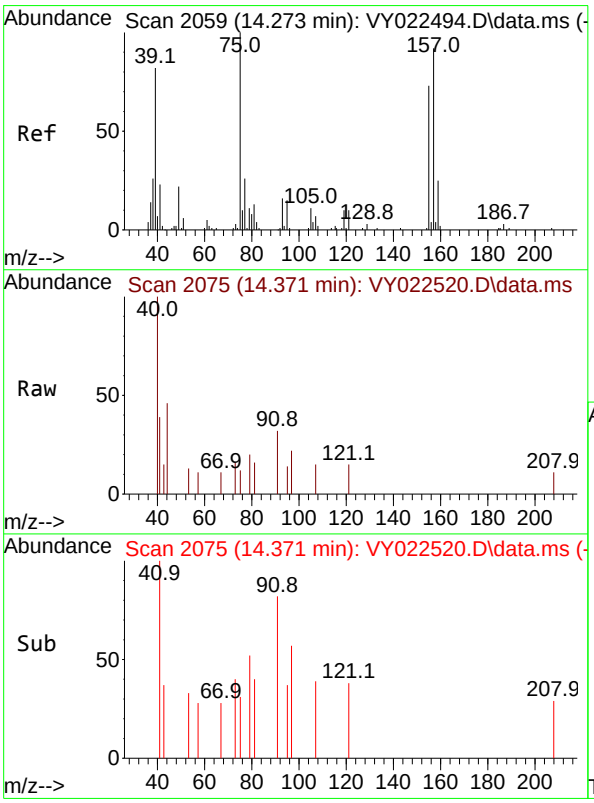
#84
1,2,4-Trimethylbenzene
Concen: 18.064 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:105 Resp: 3695

Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.7	68.1

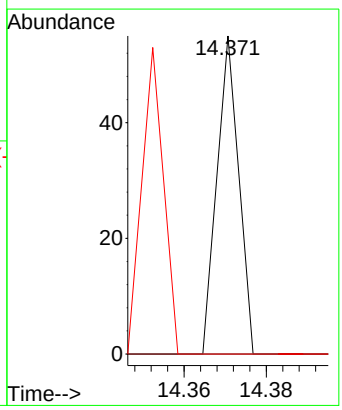


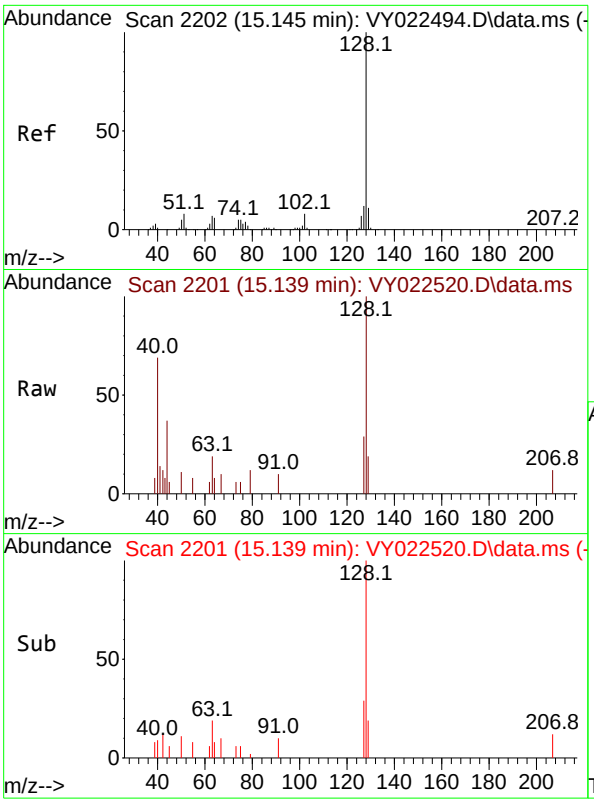


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.213 ug/l
RT: 14.371 min Scan# 2075
Delta R.T. 0.097 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Tgt Ion: 75 Resp: 20

Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.9	119.6#
157	95.0	54.0	162.0





#95
Naphthalene
Concen: 16.388 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022520.D
Acq: 03 Jun 2025 14:14

Instrument :
MSVOA_Y
ClientSampleId :
A3

Tgt Ion:128 Resp: 1622

Ion	Ratio	Lower	Upper
128	100		
127	21.1	10.4	15.6#
129	15.2	8.9	13.3#