Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021421.D
Acq On : 05 Mar 2025 18:29
Operator : SY/MD
Sample : Q1489-09
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: Mar 06 02:58:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	276787	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	506008	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	444370	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164231	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	168907	57.737	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.480%				
35) Dibromofluoromethane	7.634	113	166235	49.980	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.960%				
50) Toluene-d8	10.109	98	622746	49.450	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.900%				
62) 4-Bromofluorobenzene	12.408	95	188151	43.921	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.840%				
Target Compounds							Qvalue
11) Tert butyl alcohol	4.848	59	31242	155.758	ug/l		96
13) Acrolein	3.659	56	315	2.117	ug/l	#	10
14) Allyl chloride	4.598	41	10468	2.278	ug/l	#	61
16) Acetone	3.866	43	139580	218.753	ug/l		95
20) Methylene Chloride	4.610	84	11059	3.302	ug/l		87
25) 2-Butanone	6.890	43	54190	61.395	ug/l		91
31) Cyclohexane	7.701	56	70212	12.815	ug/l	#	94
36) 1,1-Dichloropropene	7.707	75	23380	4.491	ug/l	#	57
37) Ethyl Acetate	6.890	43	54190	23.549	ug/l	#	71
38) Carbon Tetrachloride	7.707	117	29173	4.872	ug/l	#	16
39) Methylcyclohexane	9.109	83	85319	13.360	ug/l		95
43) Isopropyl Acetate	8.189	43	10502	2.351	ug/l	#	52
48) Methyl methacrylate	9.250	41	2984	1.455	ug/l	#	13
49) 1,4-Dioxane	9.347	88	26	1.304	ug/l	#	22
55) 1,1,2-Trichloroethane	10.548	97	14274	5.373	ug/l	#	19
59) 2-Hexanone	10.731	43	5688	3.732	ug/l	#	29
73) Isopropylbenzene	12.255	105	54171	4.187	ug/l		99
76) 1,2,3-Trichloropropane	12.408	75	102695	62.054	ug/l	#	100
78) n-propylbenzene	12.597	91	217353	13.834	ug/l		99
79) 2-Chlorotoluene	12.597	91	217353	24.194	ug/l	#	40
80) 1,3,5-Trimethylbenzene	12.737	105	45459	4.324	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.408	75	102695	141.068	ug/l	#	9
82) 4-Chlorotoluene	12.597	91	217353	23.364	ug/l	#	41
85) sec-Butylbenzene	13.176	105	20274	1.453	ug/l	#	36
86) p-Isopropyltoluene	13.292	119	75233	6.544	ug/l		99
89) n-Butylbenzene	13.621	91	39965	3.765	ug/l	#	73
90) Hexachloroethane	13.895	117	32535	13.266	ug/l	#	12
95) Naphthalene	15.145	128	14673	4.728	ug/l	#	95

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
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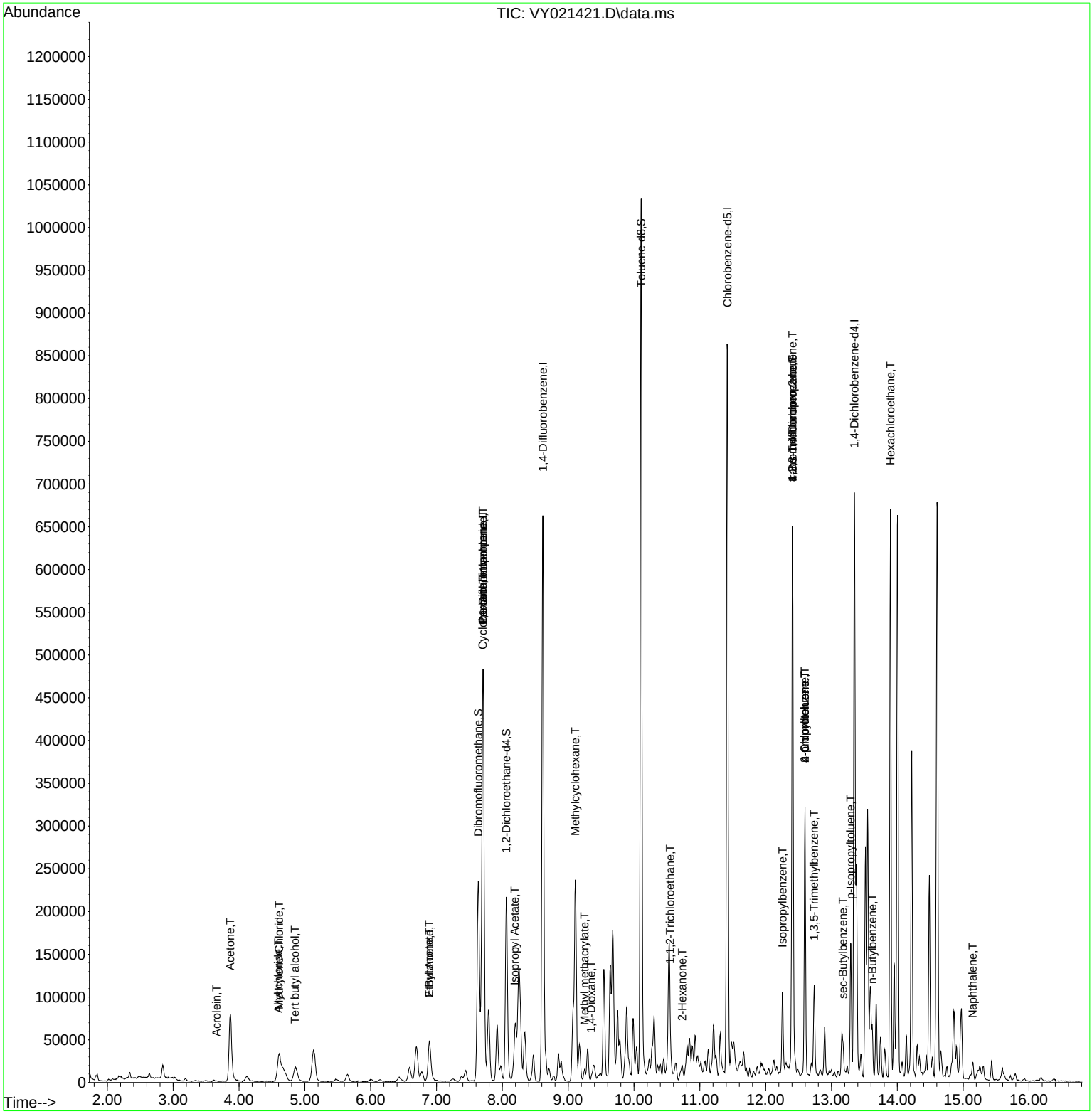
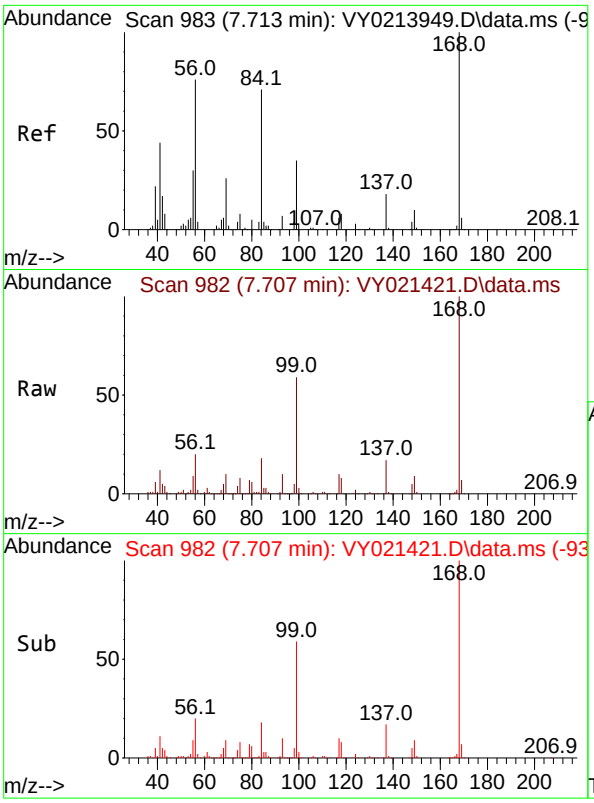


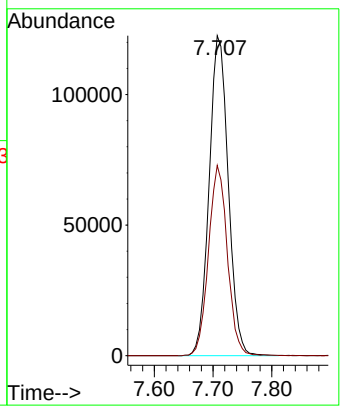


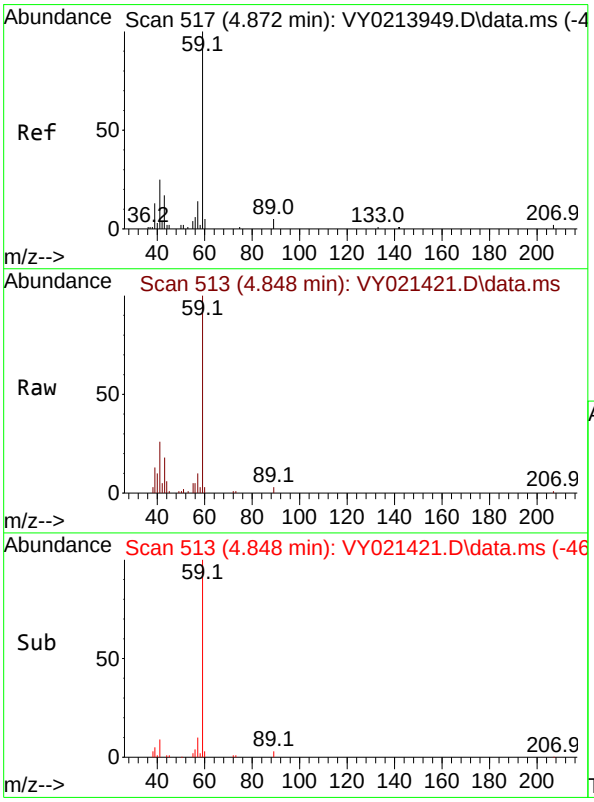
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 276787

Ion	Ratio	Lower	Upper
168	100		
99	59.4	46.0	69.0

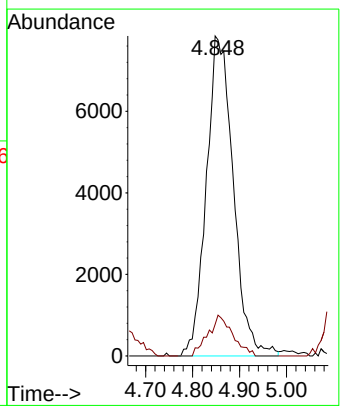


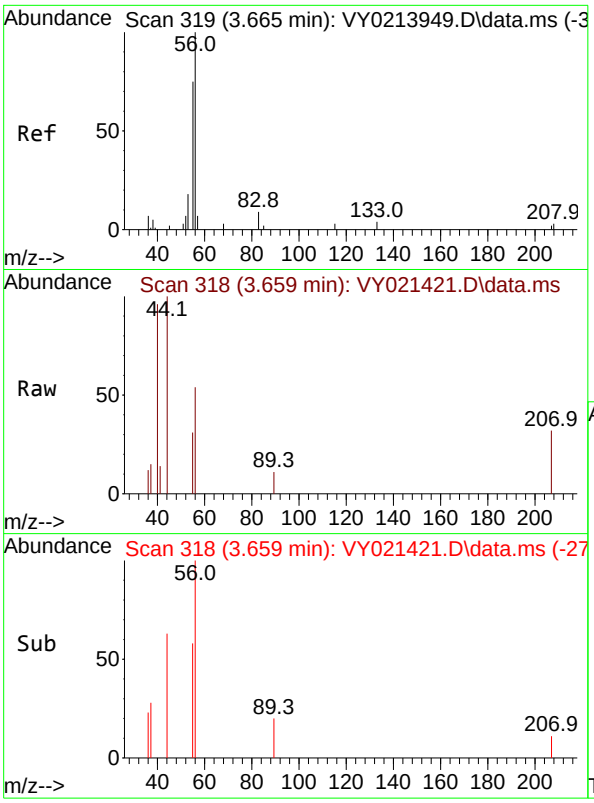


#11
Tert butyl alcohol
Concen: 155.758 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 59 Resp: 31242

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.2	12.4



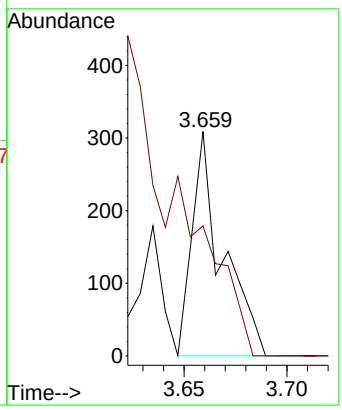


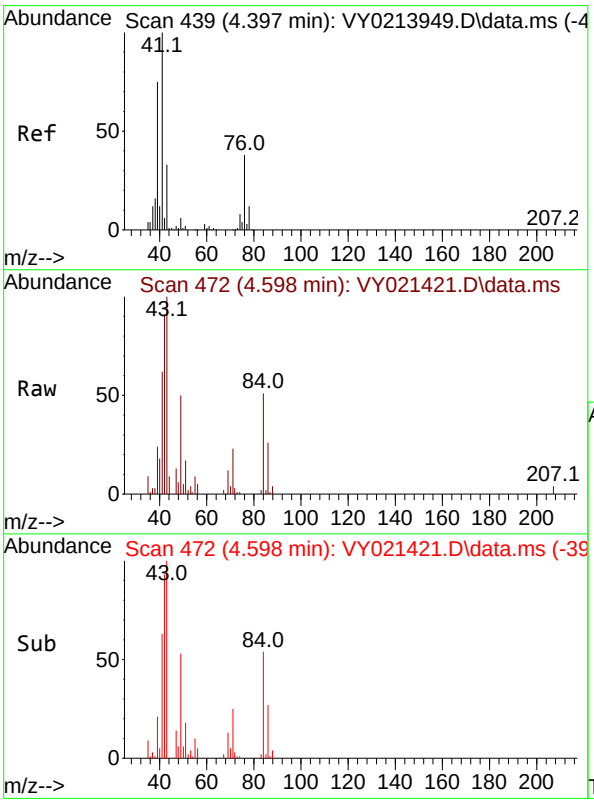
#13
Acrolein
Concen: 2.117 ug/l
RT: 3.659 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 56 Resp: 315

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#

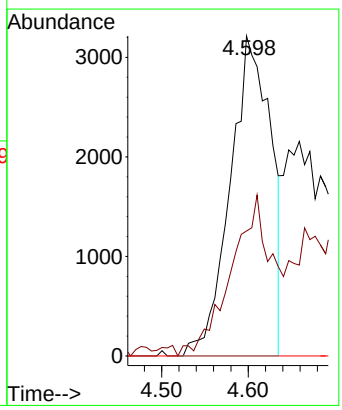


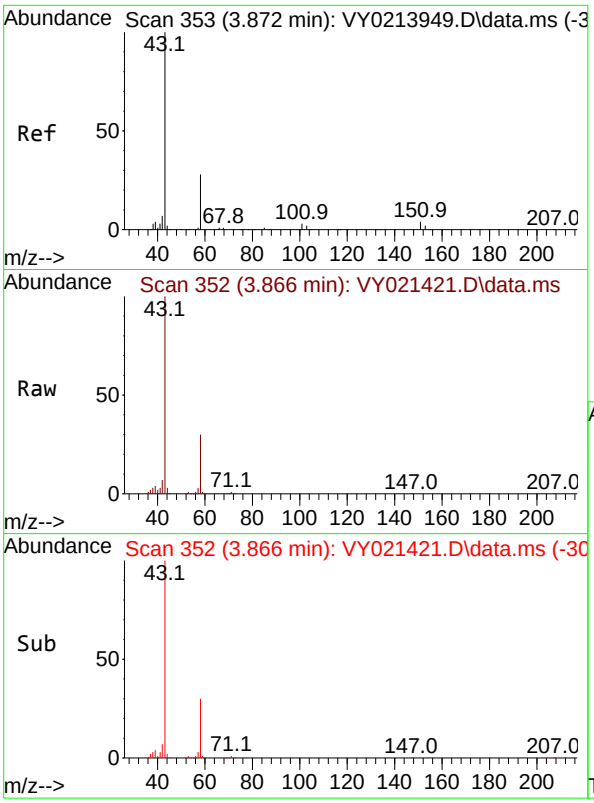


#14
Allyl chloride
Concen: 2.278 ug/l
RT: 4.598 min Scan# 472
Delta R.T. 0.201 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 41 Resp: 10468

Ion	Ratio	Lower	Upper
41	100		
39	51.2	59.3	88.9#
76	0.0	29.8	44.8#



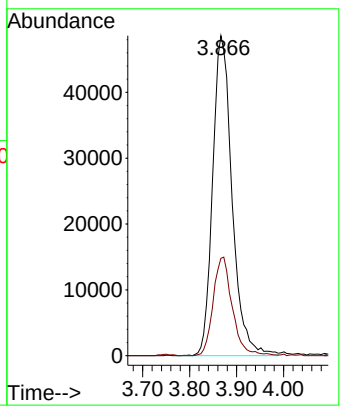


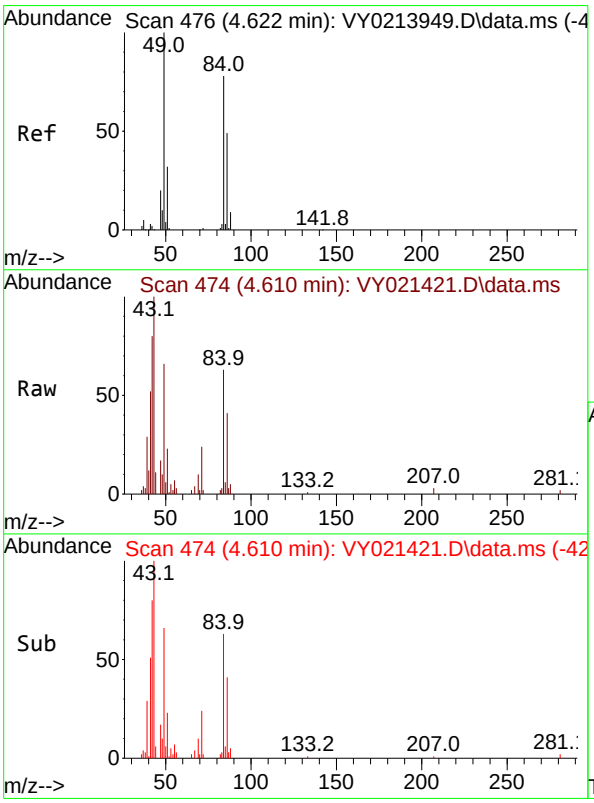
#16
Acetone
Concen: 218.753 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 139580

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.1	33.1

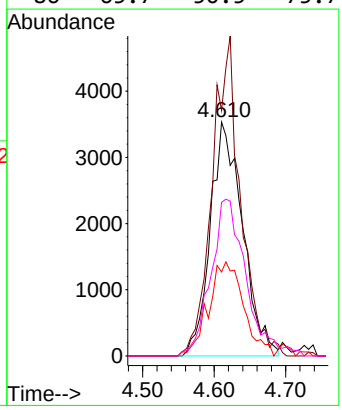


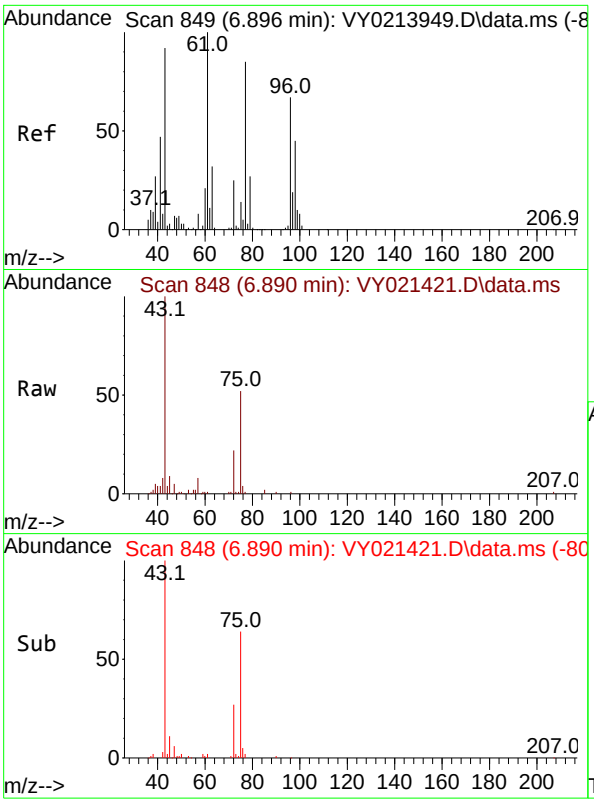


#20
Methylene Chloride
Concen: 3.302 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 84 Resp: 11059

Ion	Ratio	Lower	Upper
84	100		
49	105.0	102.0	153.0
51	35.9	33.0	49.6
86	65.7	50.5	75.7



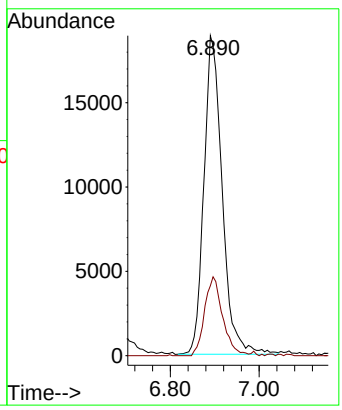


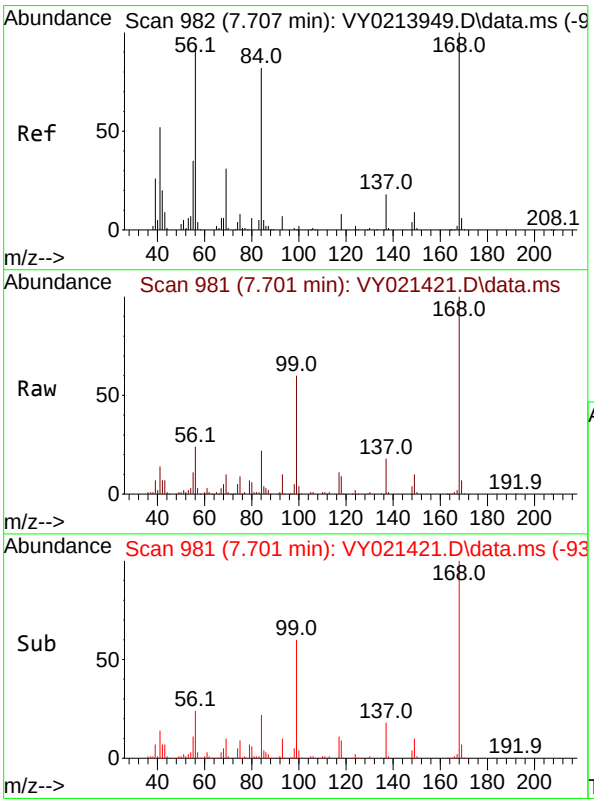
#25
2-Butanone
Concen: 61.395 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 54190

Ion	Ratio	Lower	Upper
43	100		
72	22.0	21.4	32.0

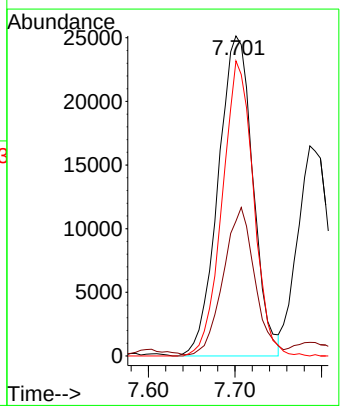


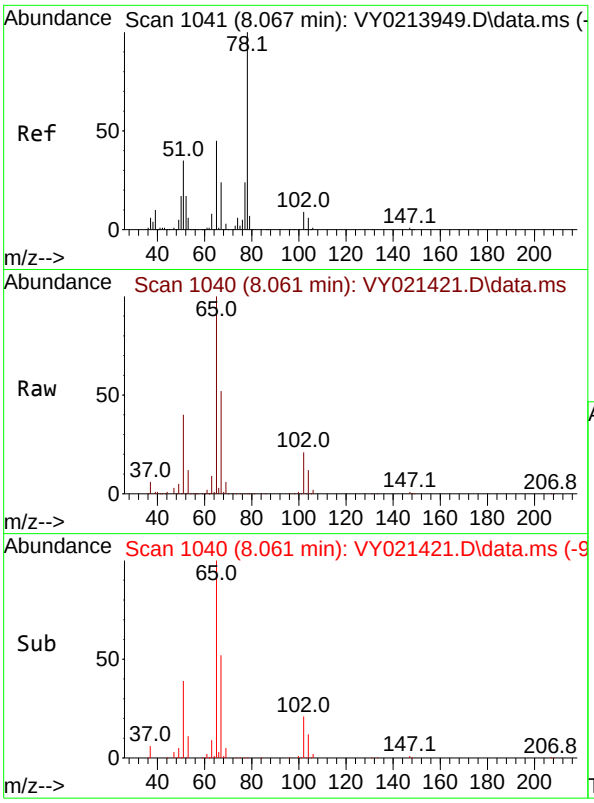


#31
Cyclohexane
Concen: 12.815 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 56 Resp: 70212

Ion	Ratio	Lower	Upper
56	100		
69	41.3	27.0	40.4#
84	92.2	71.1	106.7



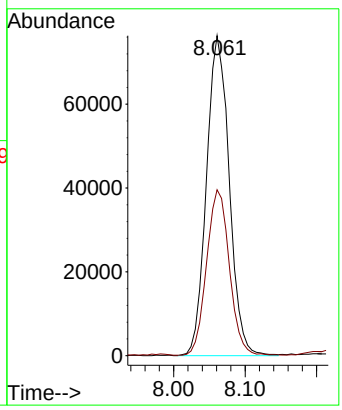


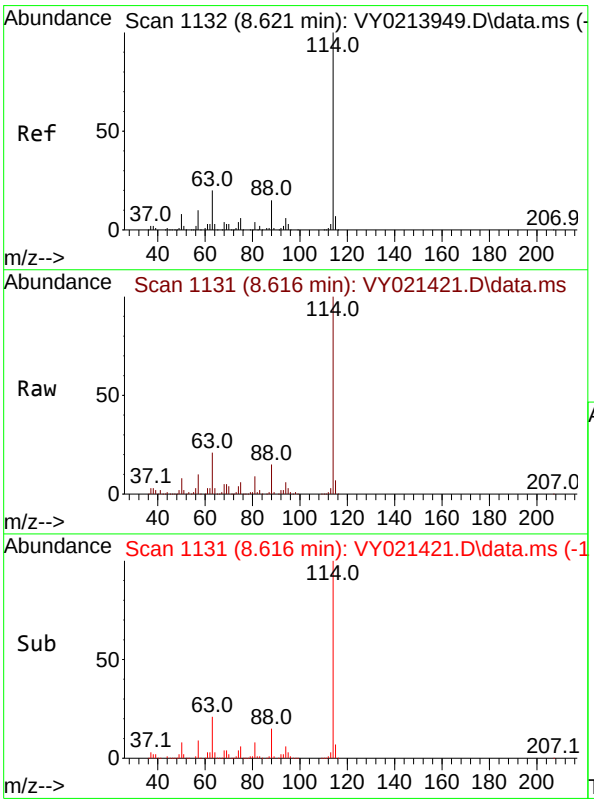
#33
1,2-Dichloroethane-d4
Concen: 57.737 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 65 Resp: 168907

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.8

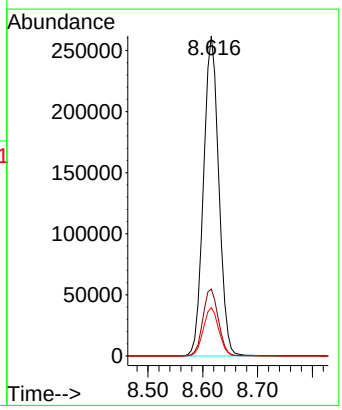


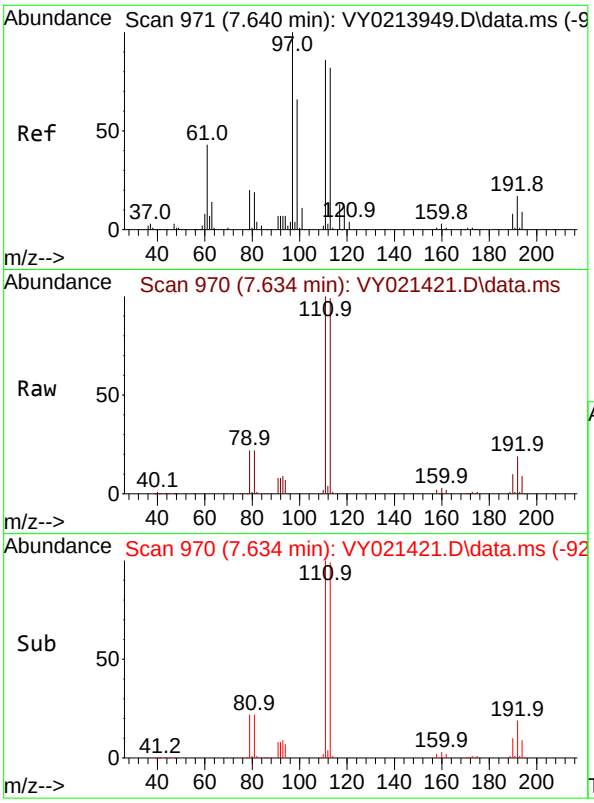


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion:114 Resp: 506008

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	15.1	0.0	30.8



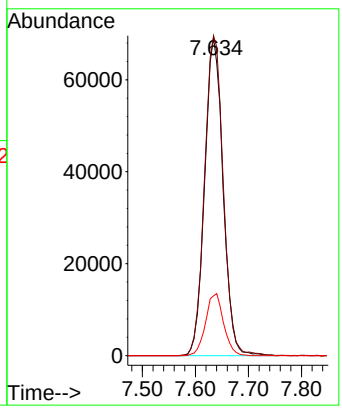


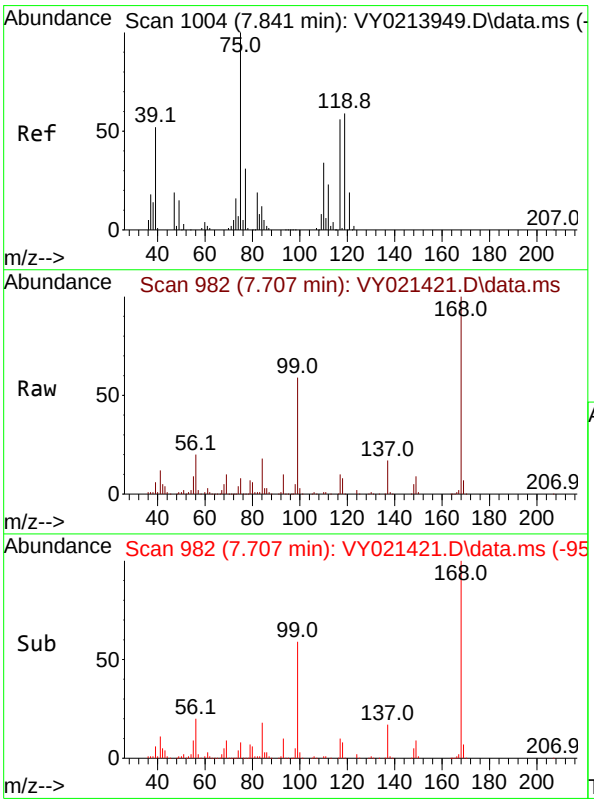
#35
Dibromofluoromethane
Concen: 49.980 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:113 Resp: 166235

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	19.2	15.9	23.9

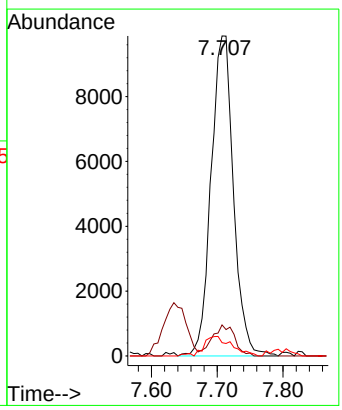


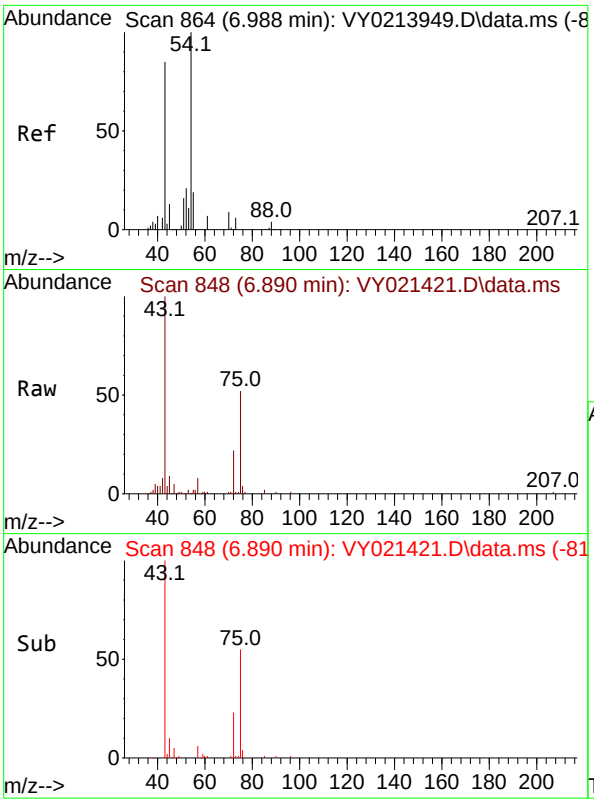


#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 75 Resp: 23380

Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.3	51.7#
77	7.7	25.4	38.2#



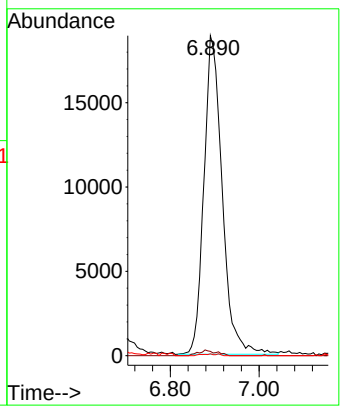


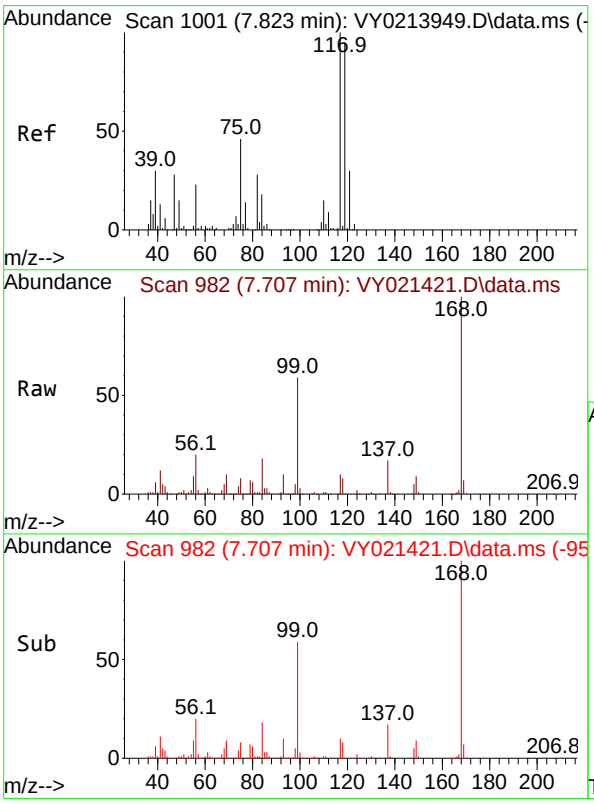
#37
Ethyl Acetate
Concen: 23.549 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 54190

Ion	Ratio	Lower	Upper
43	100		
61	1.7	11.4	17.0#
70	0.4	8.2	12.2#

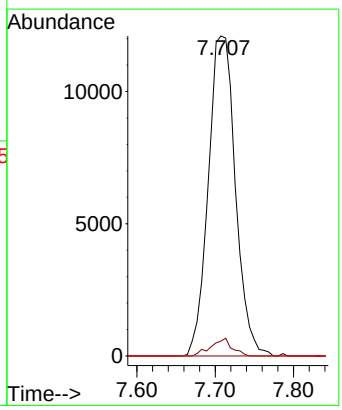


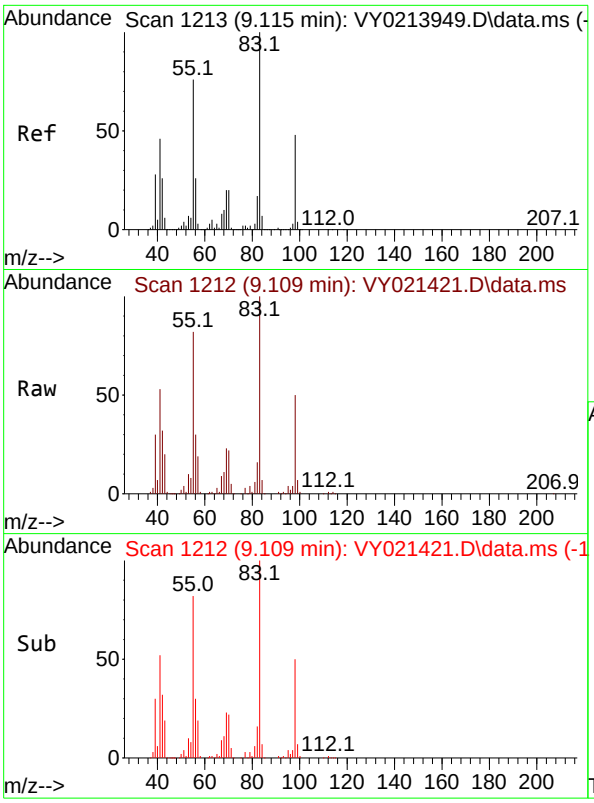


#38
Carbon Tetrachloride
Concen: 4.872 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion:117 Resp: 29173

Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.8	113.8#
121	0.0	23.9	35.9#



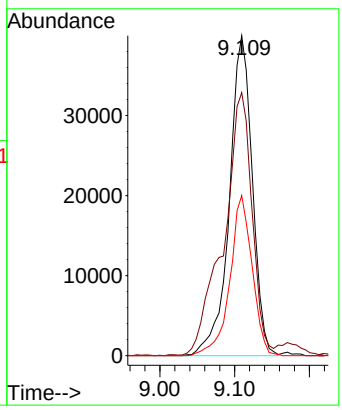


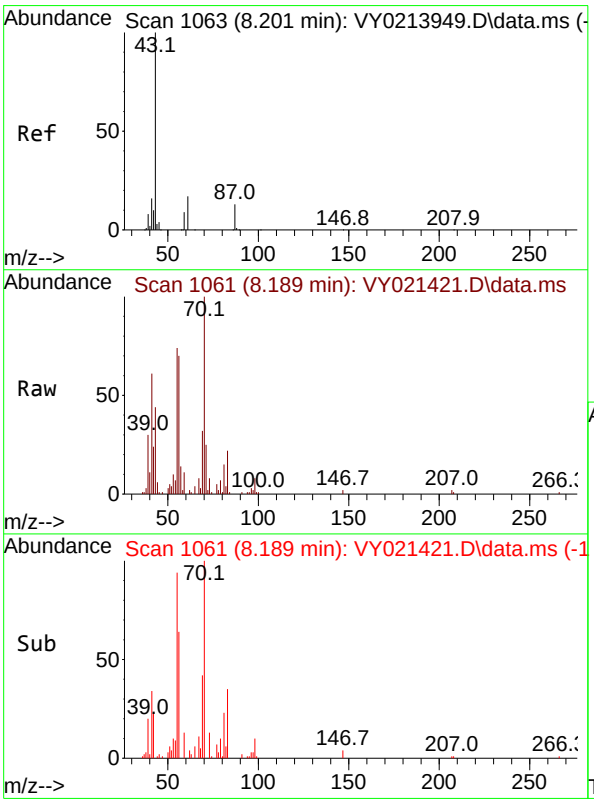
#39
Methylcyclohexane
Concen: 13.360 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 83 Resp: 85319

Ion	Ratio	Lower	Upper
83	100		
55	82.0	60.7	91.1
98	50.0	38.6	57.8

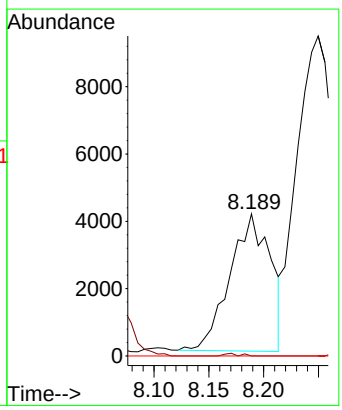


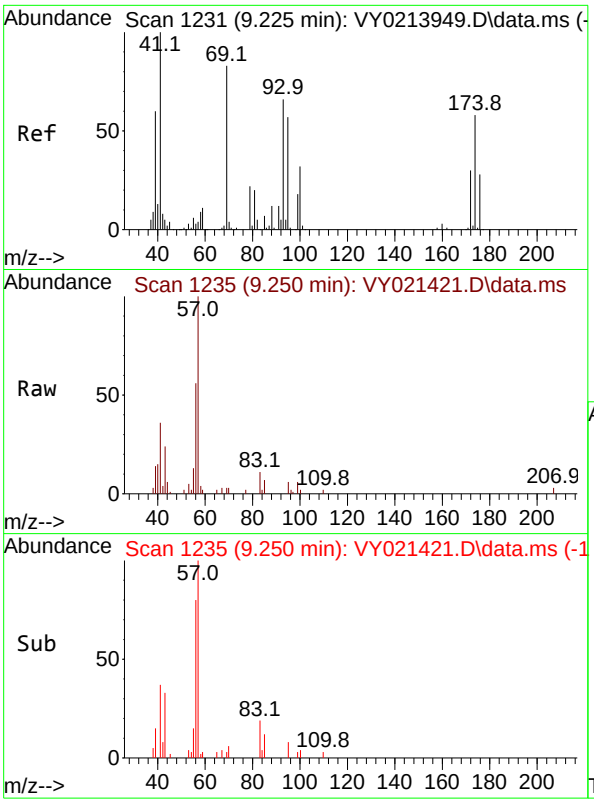


#43
Isopropyl Acetate
Concen: 2.351 ug/l
RT: 8.189 min Scan# 1061
Delta R.T. -0.012 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 43 Resp: 10502

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.0#
87	0.0	10.5	15.7#



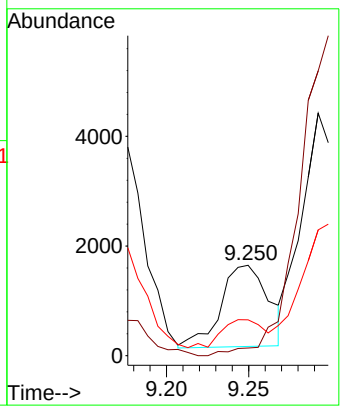


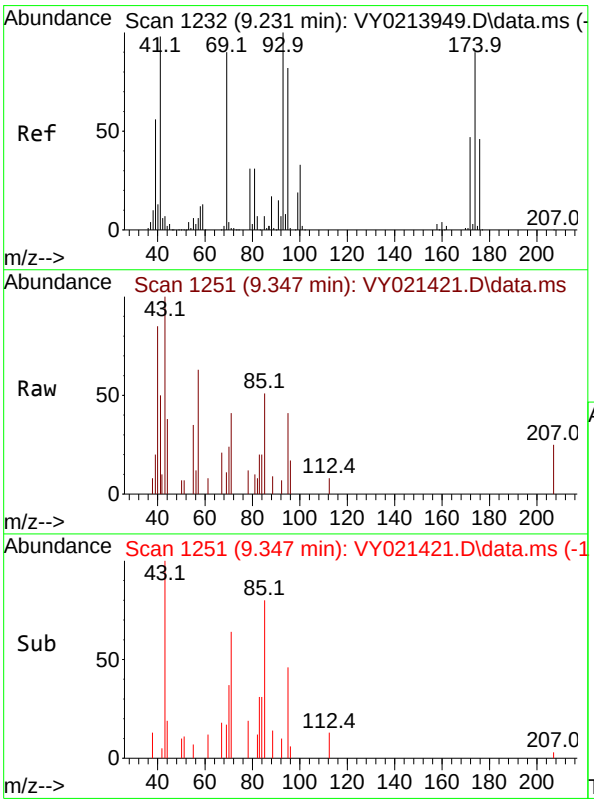
#48
Methyl methacrylate
Concen: 1.455 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.025 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 41 Resp: 2984

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

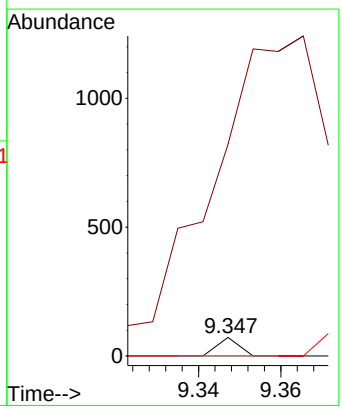


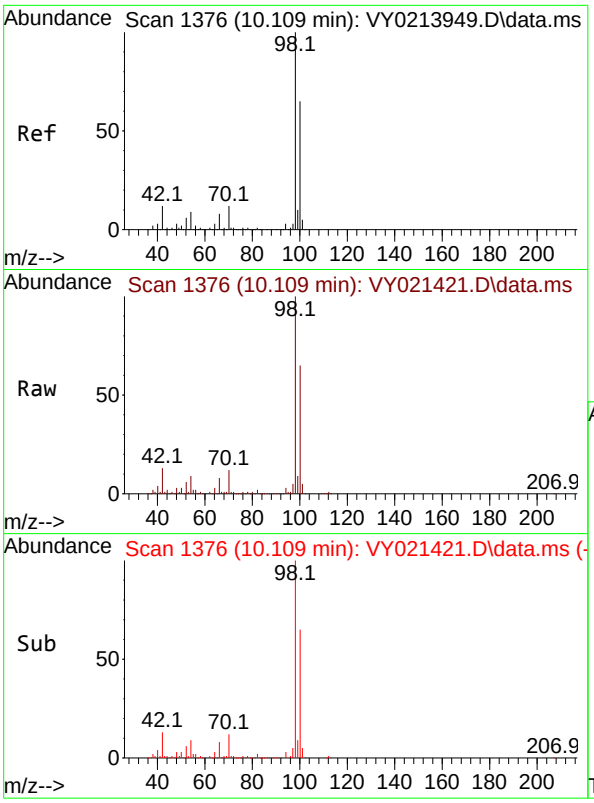


#49
1,4-Dioxane
Concen: 1.304 ug/l
RT: 9.347 min Scan# 1251
Delta R.T. 0.116 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 88 Resp: 26

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



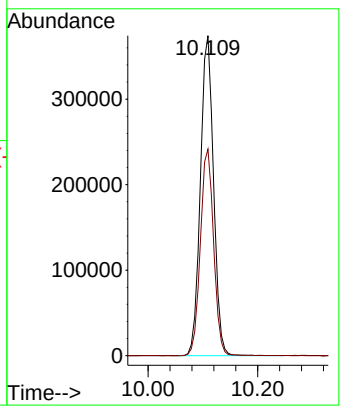


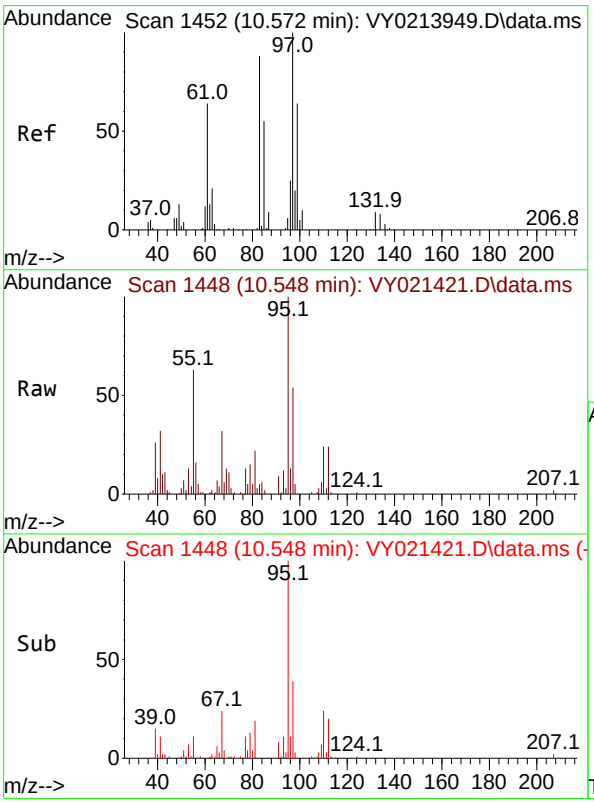
#50
Toluene-d8
Concen: 49.450 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 98 Resp: 622746

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

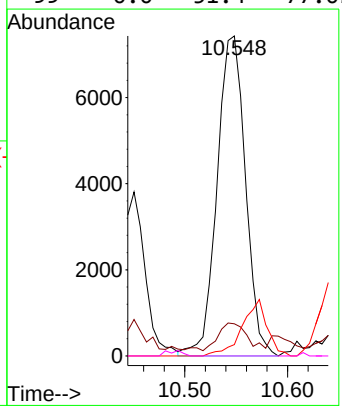


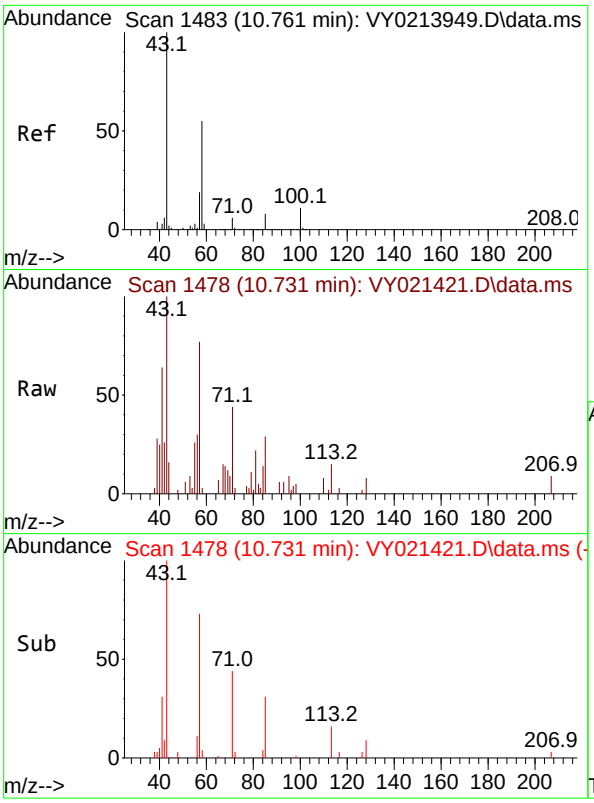


#55
1,1,2-Trichloroethane
Concen: 5.373 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.024 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 97 Resp: 14274

Ion	Ratio	Lower	Upper
97	100		
83	7.9	70.0	105.0#
85	3.6	44.3	66.5#
99	0.0	51.4	77.0#



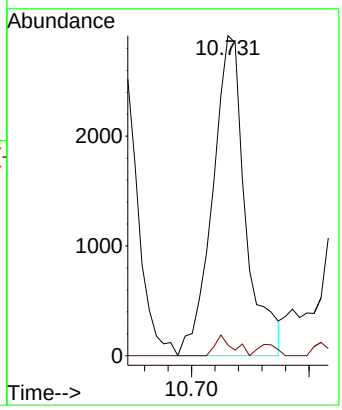


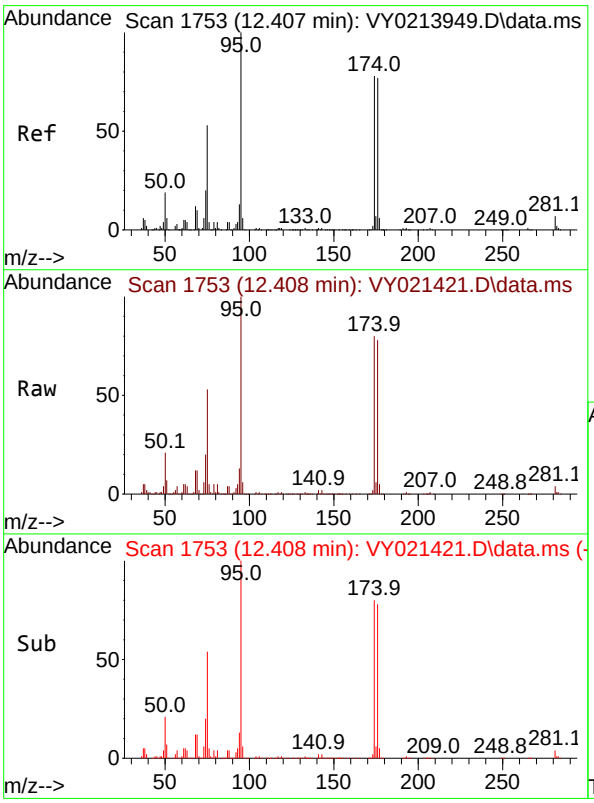
#59
2-Hexanone
Concen: 3.732 ug/l
RT: 10.731 min Scan# 14
Delta R.T. -0.030 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 5688

Ion	Ratio	Lower	Upper
43	100		
58	3.4	27.3	81.8#

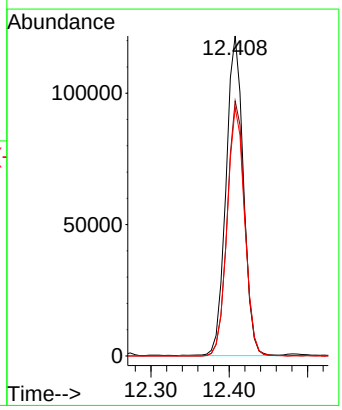


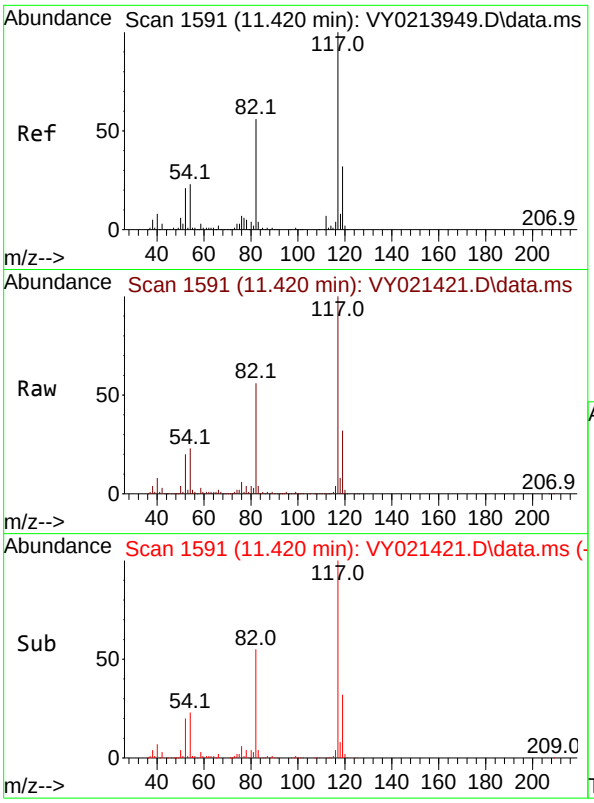


#62
4-Bromofluorobenzene
Concen: 43.921 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 95 Resp: 188151

Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	165.0
176	77.9	0.0	160.0



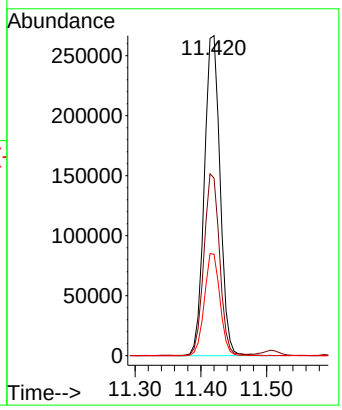


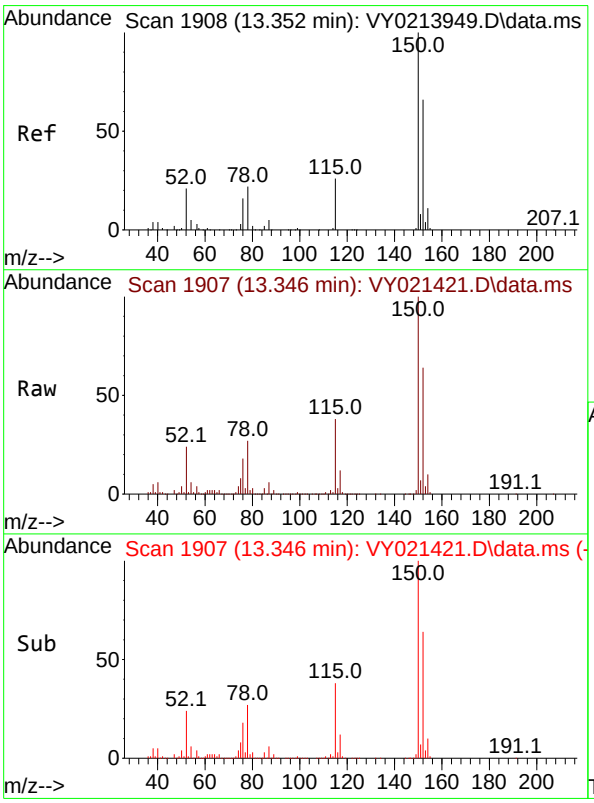
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 444370

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	31.7	25.4	38.0

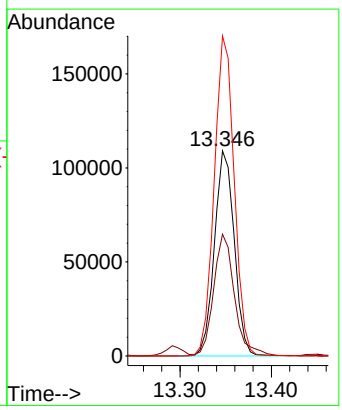


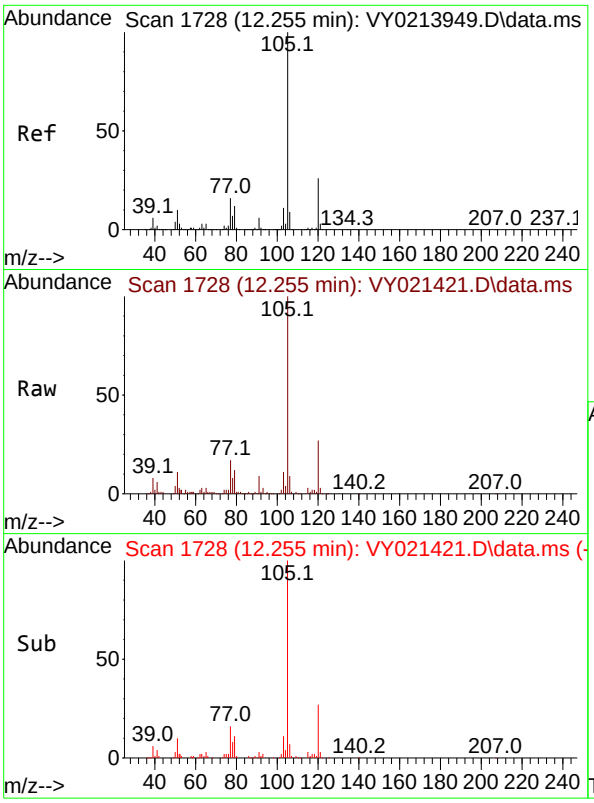


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion:152 Resp: 164231

Ion	Ratio	Lower	Upper
152	100		
115	62.1	29.0	87.0
150	157.3	0.0	347.2



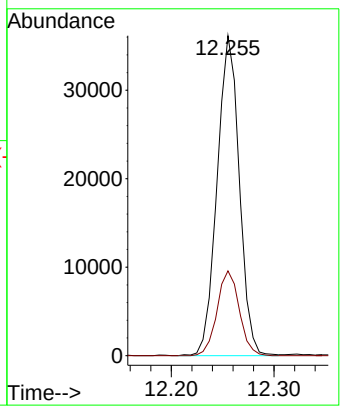


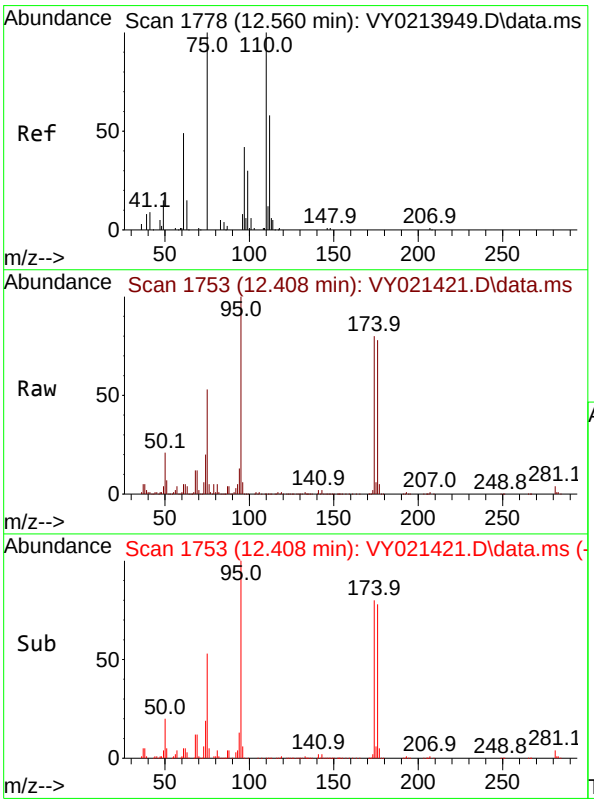
#73
Isopropylbenzene
Concen: 4.187 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:105 Resp: 54171

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

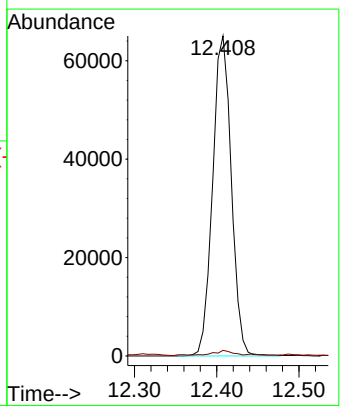


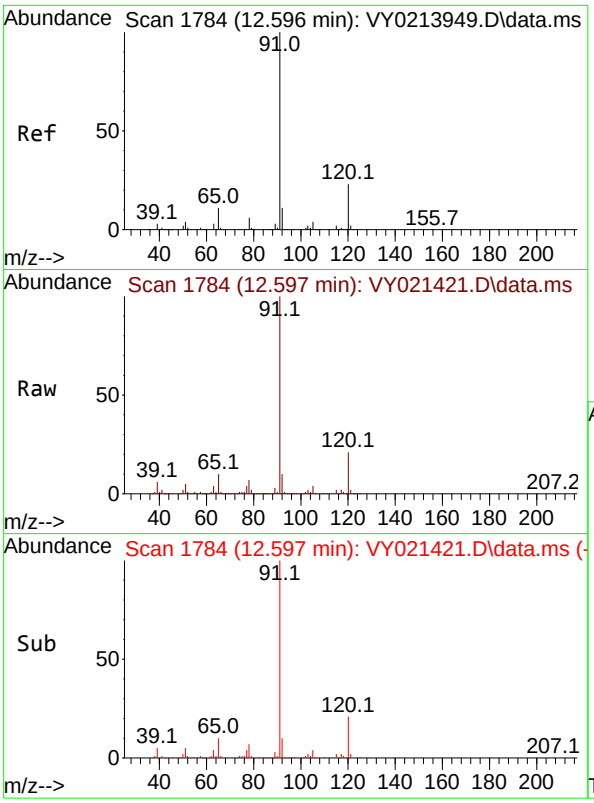


#76
1,2,3-Trichloropropane
Concen: 62.054 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 75 Resp: 102695

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



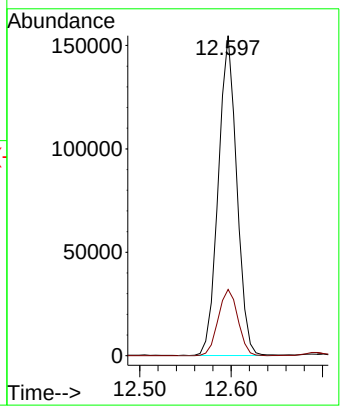


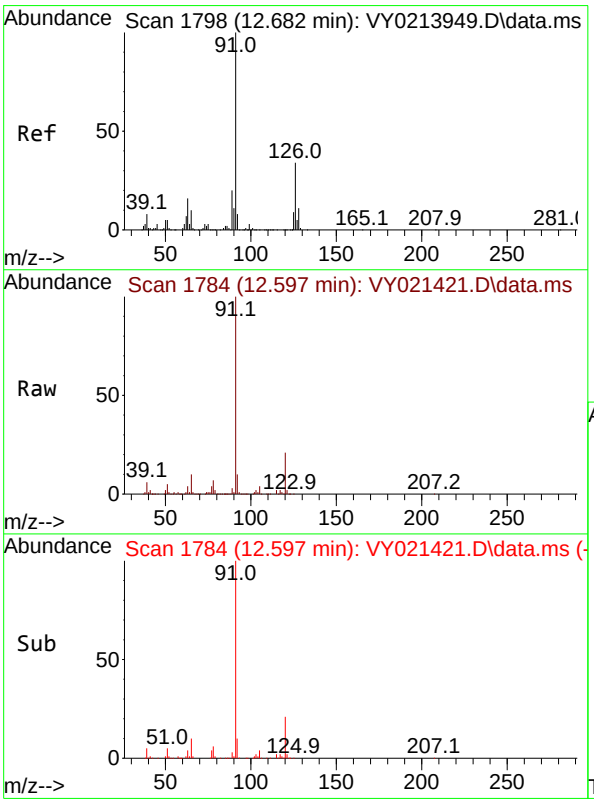
#78
n-propylbenzene
Concen: 13.834 ug/l
RT: 12.597 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 91 Resp: 217353

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8

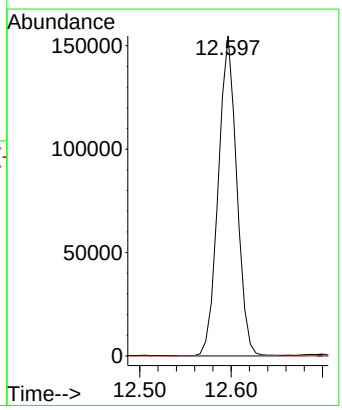


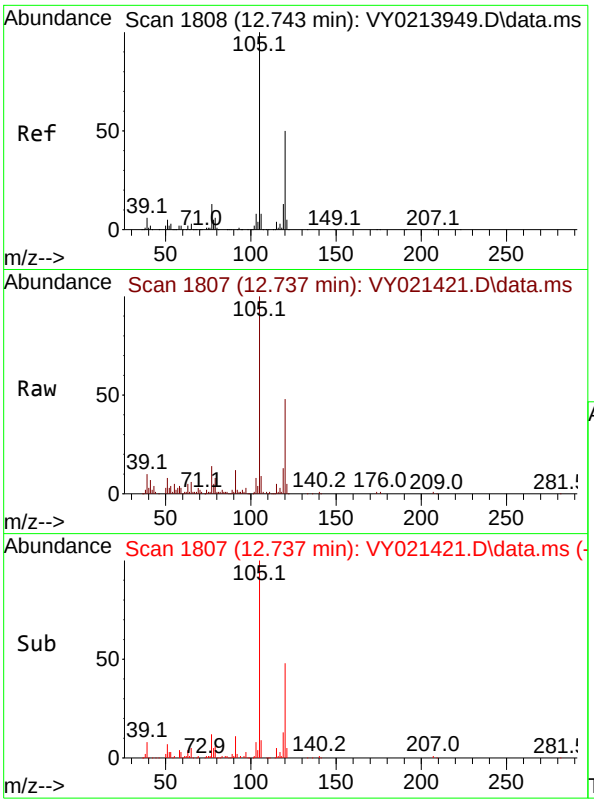


#79
2-Chlorotoluene
Concen: 24.194 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.085 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 91 Resp: 217353

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.2	51.6#



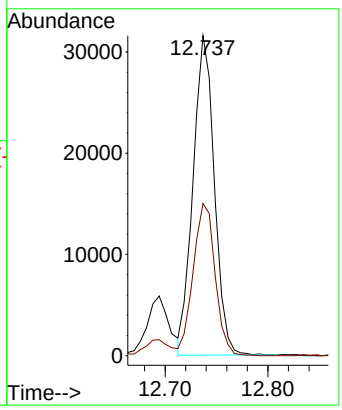


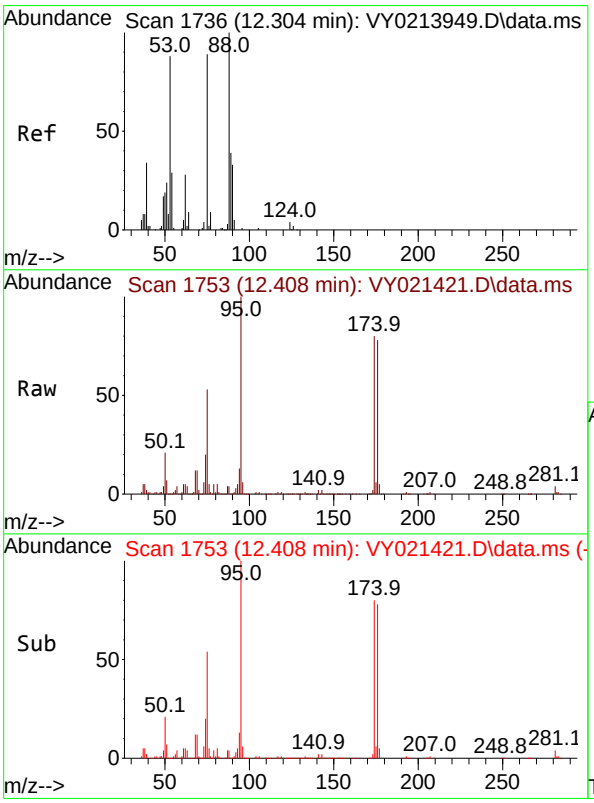
#80
1,3,5-Trimethylbenzene
Concen: 4.324 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:105 Resp: 45459

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.6	73.6

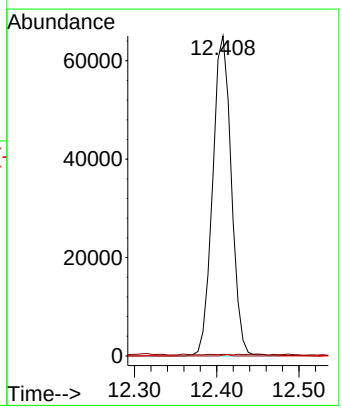


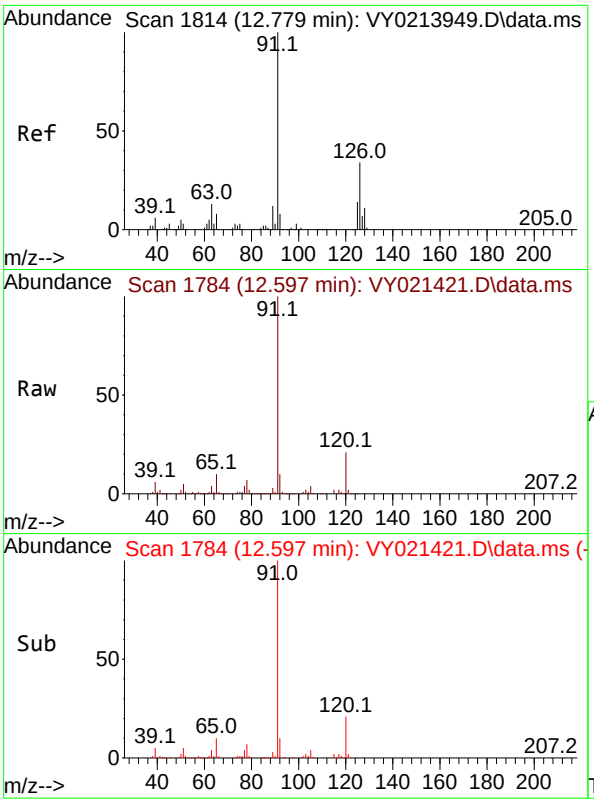


#81
trans-1,4-Dichloro-2-butene
Concen: 141.068 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 75 Resp: 102695

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.1	36.9	55.3#



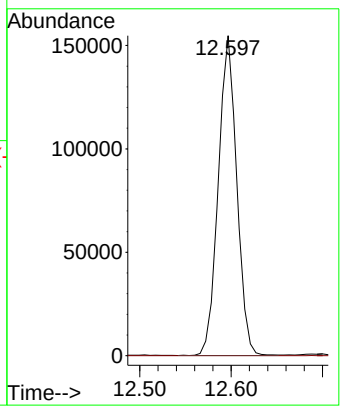


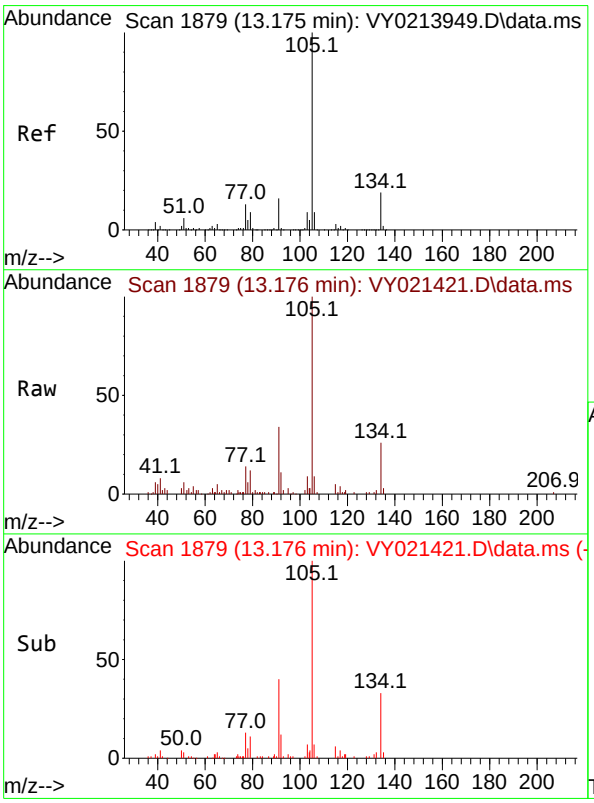
#82
4-Chlorotoluene
Concen: 23.364 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.183 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 91 Resp: 217353

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	51.0#

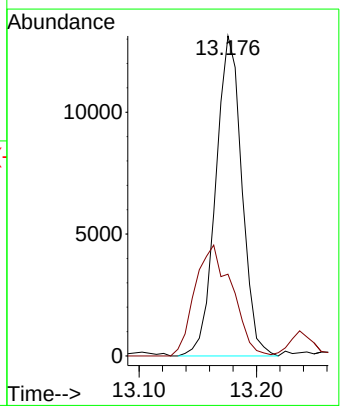


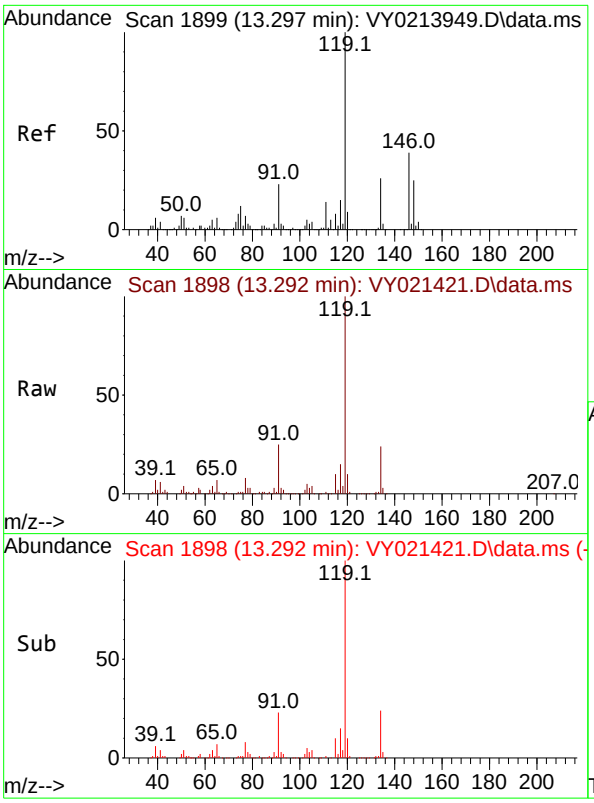


#85
sec-Butylbenzene
Concen: 1.453 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion:105 Resp: 20274

Ion	Ratio	Lower	Upper
105	100		
134	49.3	9.9	29.7#



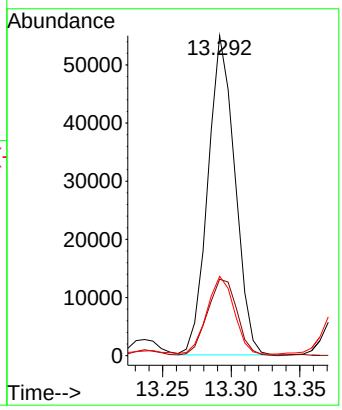


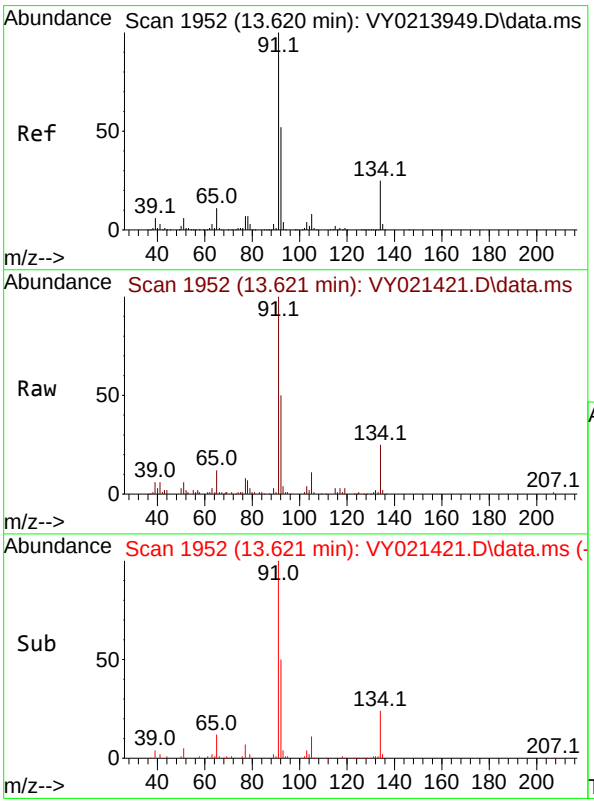
#86
p-Isopropyltoluene
Concen: 6.544 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:119 Resp: 75233

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	24.6	12.2	36.6

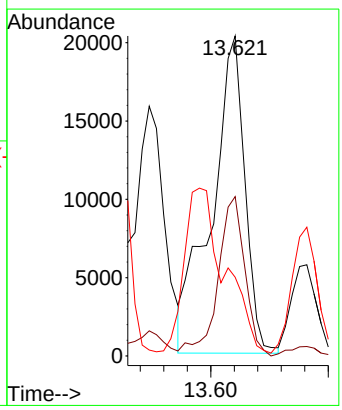


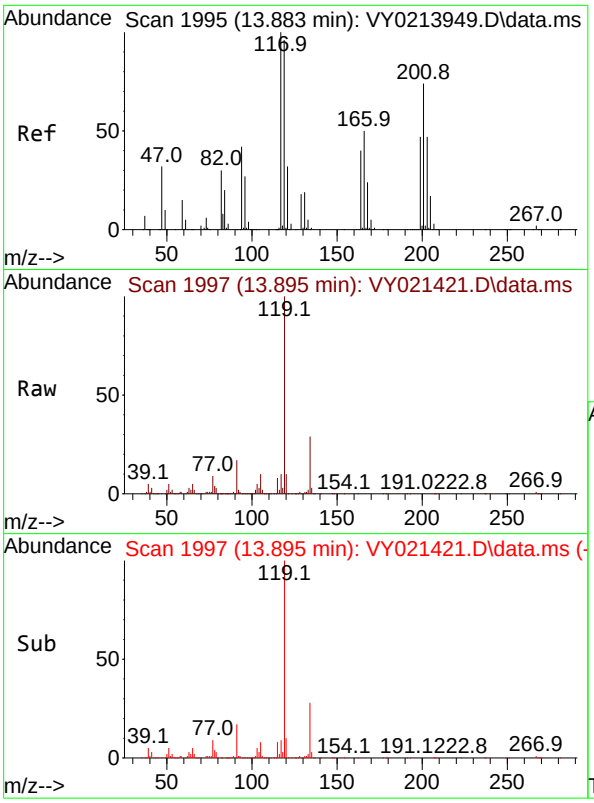


#89
n-Butylbenzene
Concen: 3.765 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion: 91 Resp: 39965

Ion	Ratio	Lower	Upper
91	100		
92	40.5	26.1	78.3
134	0.0	12.6	37.8#



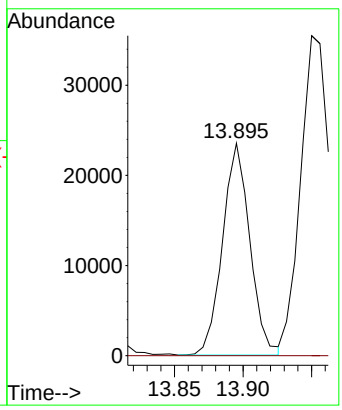


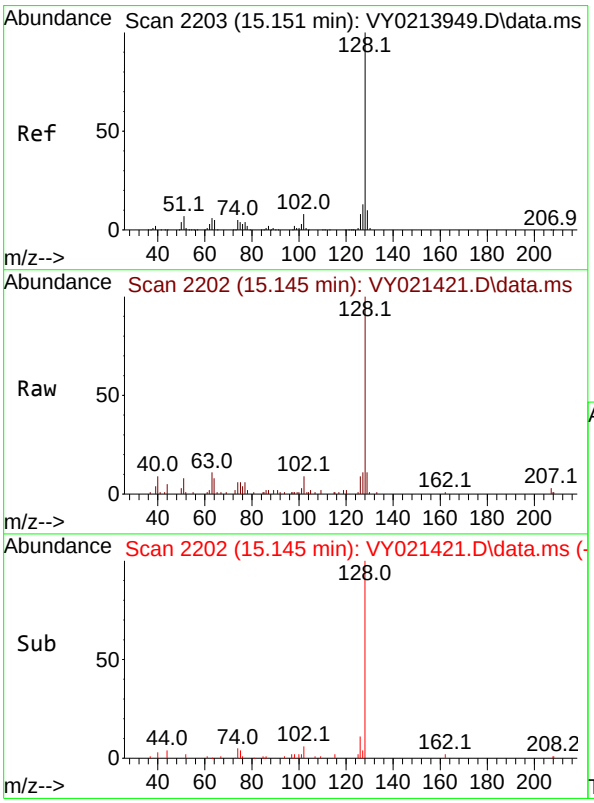
#90
Hexachloroethane
Concen: 13.266 ug/l
RT: 13.895 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 32535

Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.4	112.2#





#95
Naphthalene
Concen: 4.728 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021421.D
Acq: 05 Mar 2025 18:29

Tgt Ion:128 Resp: 14673

Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.6	15.8
129	13.2	8.6	13.0#