Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
Data File : VY021812.D
Acq On : 09 Apr 2025 12:30
Operator : SY/MD
Sample : Q1747-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Quant Time: Apr 10 01:41:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	5910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	8826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4232	66.091	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.180%			
35) Dibromofluoromethane	7.634	113	4395	76.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 153.520%#			
50) Toluene-d8	10.109	98	9618	44.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.320%			
62) 4-Bromofluorobenzene	12.408	95	2401	32.590	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.180%			
Target Compounds						Qvalue
3) Chloromethane	2.080	50	532	6.176	ug/l #	42
4) Vinyl Chloride	2.208	62	168	1.725	ug/l	98
5) Bromomethane	2.611	94	458	6.894	ug/l #	64
6) Chloroethane	2.745	64	1896	29.746	ug/l #	71
10) Methyl Iodide	4.007	142	301	4.169	ug/l #	68
11) Tert butyl alcohol	4.616	59	24	5.770	ug/l #	70
16) Acetone	3.854	43	500	38.153	ug/l	98
17) Carbon Disulfide	4.110	76	225	1.102	ug/l #	74
25) 2-Butanone	7.159	43	21	1.122	ug/l #	48
36) 1,1-Dichloropropene	7.701	75	672	7.706	ug/l #	42
38) Carbon Tetrachloride	7.707	117	732	7.329	ug/l #	12
41) Methacrylonitrile	7.323	41	46	2.105	ug/l #	100
51) 4-Methyl-2-Pentanone	10.109	43	144	3.548	ug/l	99
59) 2-Hexanone	10.859	43	63	2.331	ug/l	93
73) Isopropylbenzene	12.261	105	165	1.361	ug/l #	49
74) N-amyl acetate	12.084	43	87	3.058	ug/l #	42
76) 1,2,3-Trichloropropane	12.414	75	1200	74.178	ug/l #	100
77) Bromobenzene	12.633	156	867	29.790	ug/l #	1
78) n-propylbenzene	12.615	91	258	1.770	ug/l #	53
81) trans-1,4-Dichloro-2-b...	12.414	75	1200	170.919	ug/l #	13
82) 4-Chlorotoluene	12.767	91	235	2.663	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.054	105	157	1.603	ug/l #	52
89) n-Butylbenzene	13.621	91	173	1.755	ug/l #	56
91) 1,2-Dichlorobenzene	13.670	146	64	1.282	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.932	180	64	2.364	ug/l #	76
95) Naphthalene	15.151	128	294	6.553	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.328	180	72	3.119	ug/l #	12

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

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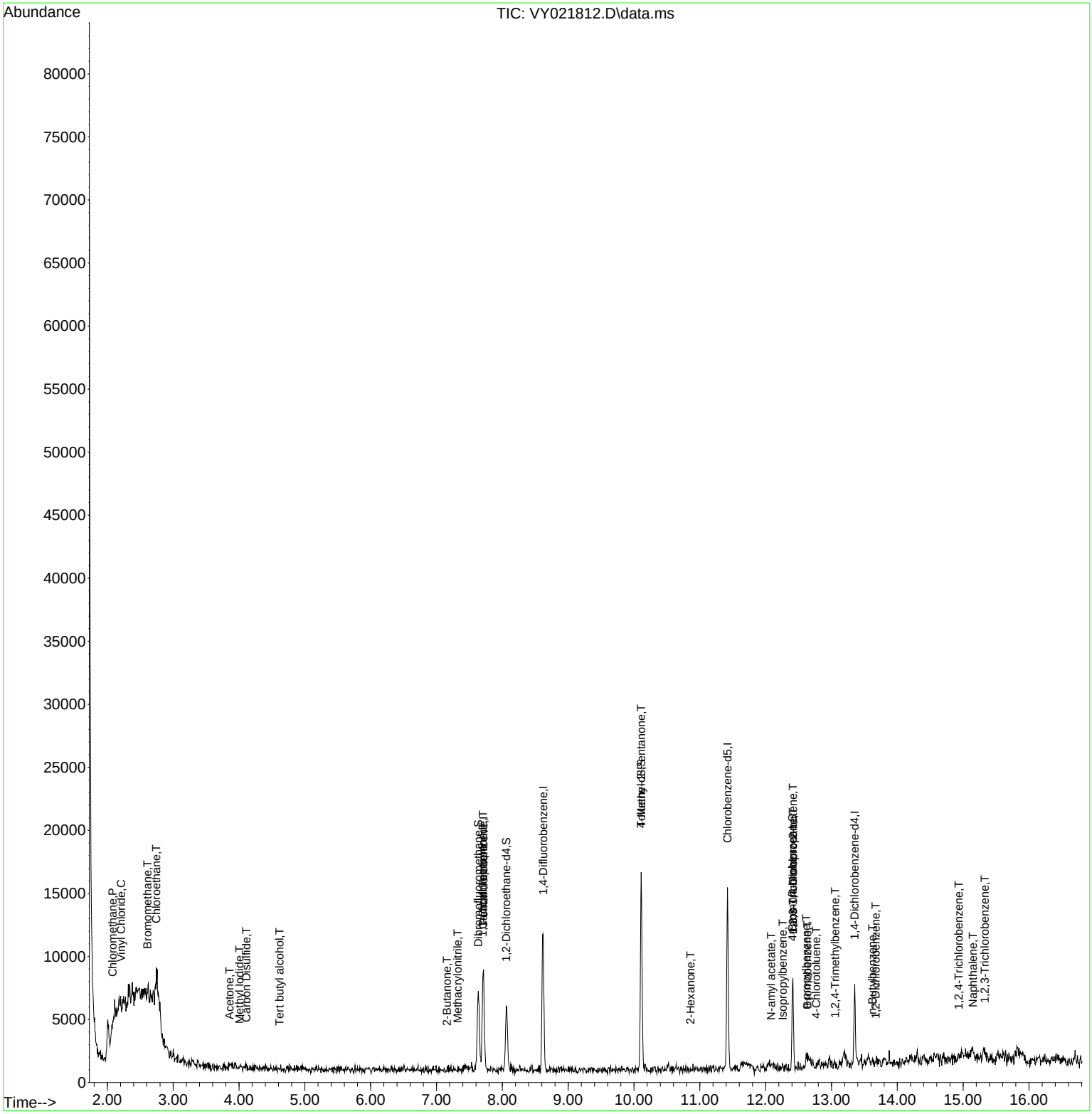
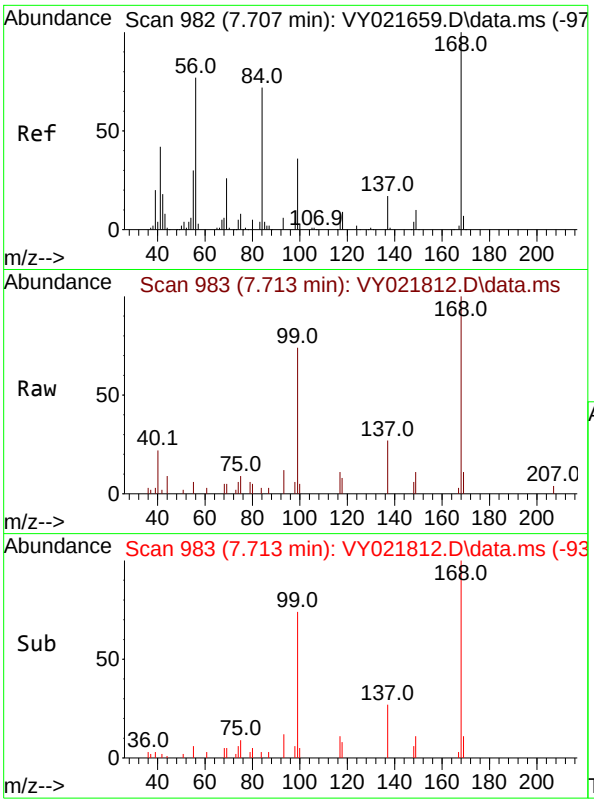
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



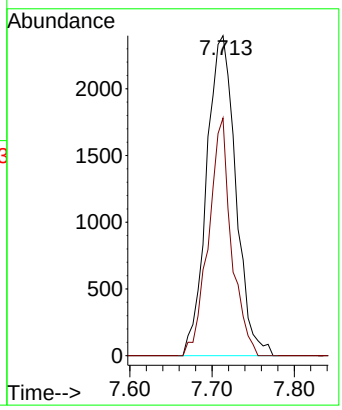


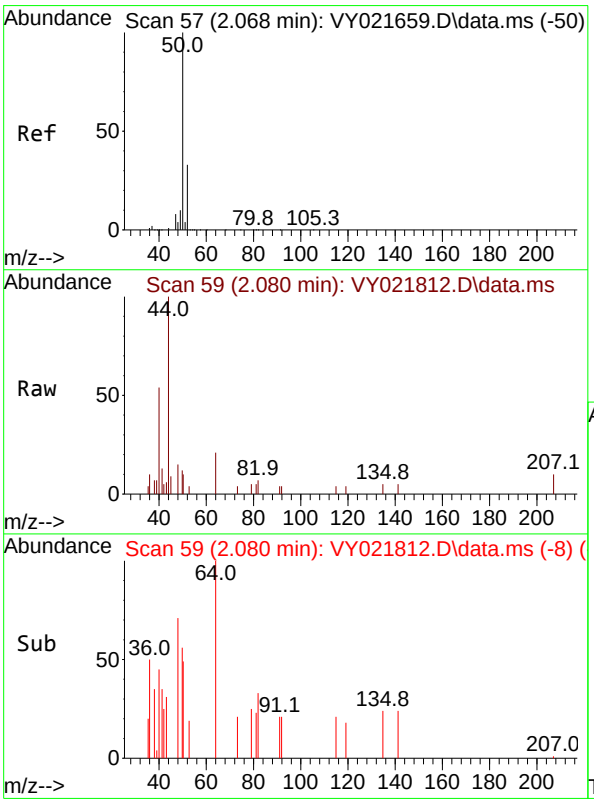
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:168 Resp: 5910

Ion	Ratio	Lower	Upper
168	100		
99	74.2	46.7	70.1#

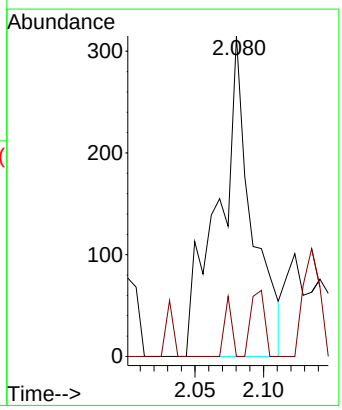


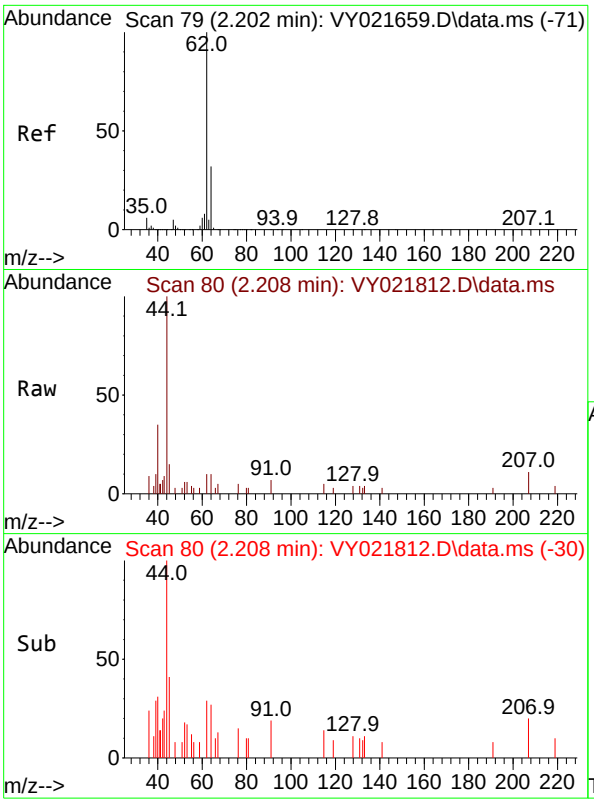


#3
Chloromethane
Concen: 6.176 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 50 Resp: 532

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.3	39.5#



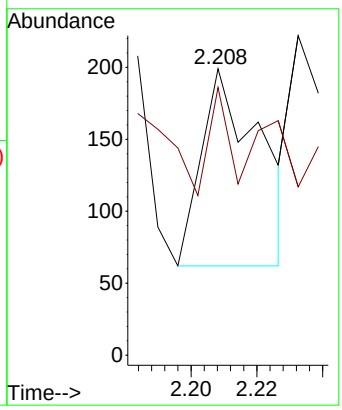


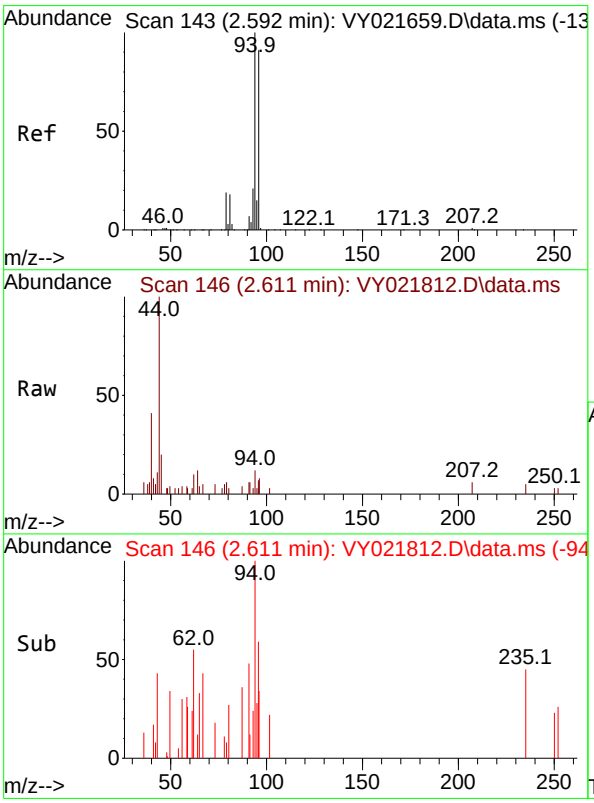
#4
Vinyl Chloride
Concen: 1.725 ug/l
RT: 2.208 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 62 Resp: 168

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.5	38.3

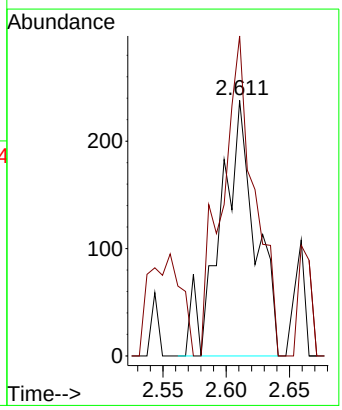


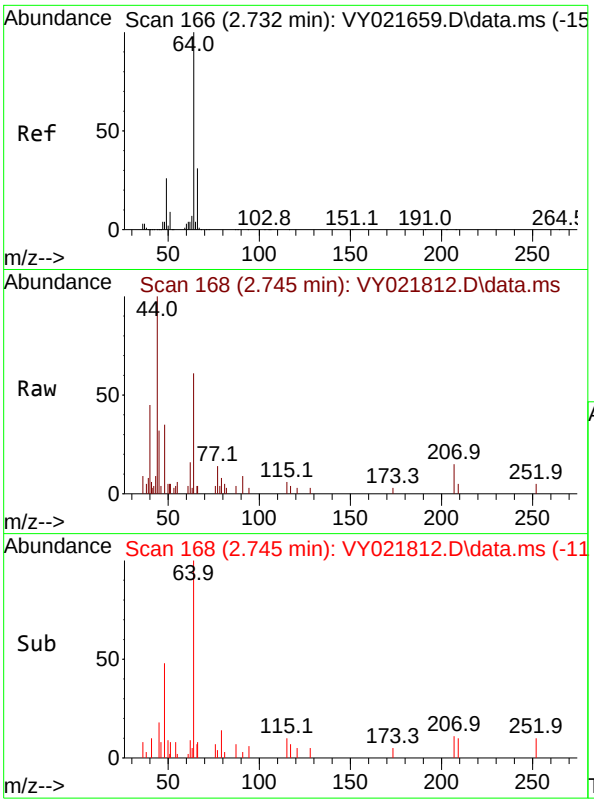


#5
Bromomethane
Concen: 6.894 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 94 Resp: 458

Ion	Ratio	Lower	Upper
94	100		
96	125.2	72.8	109.2#



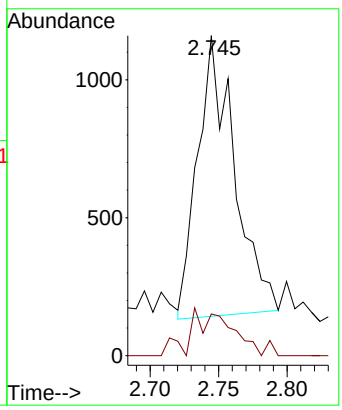


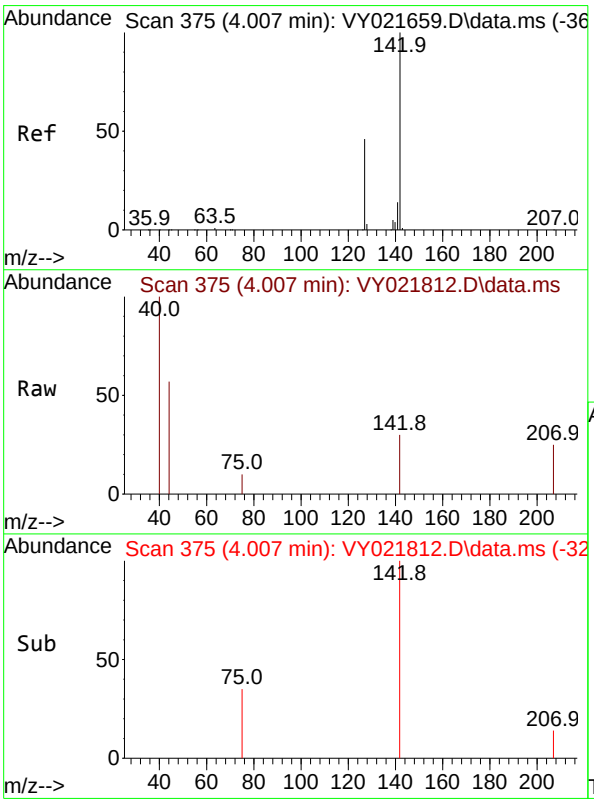
#6
Chloroethane
Concen: 29.746 ug/l
RT: 2.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 64 Resp: 1896

Ion	Ratio	Lower	Upper
64	100		
66	15.2	24.9	37.3#

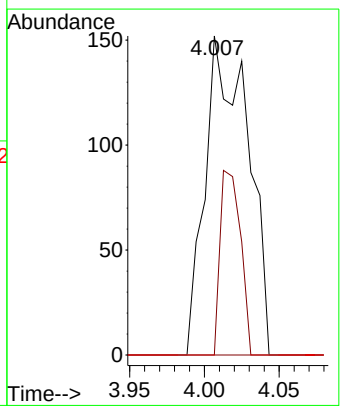


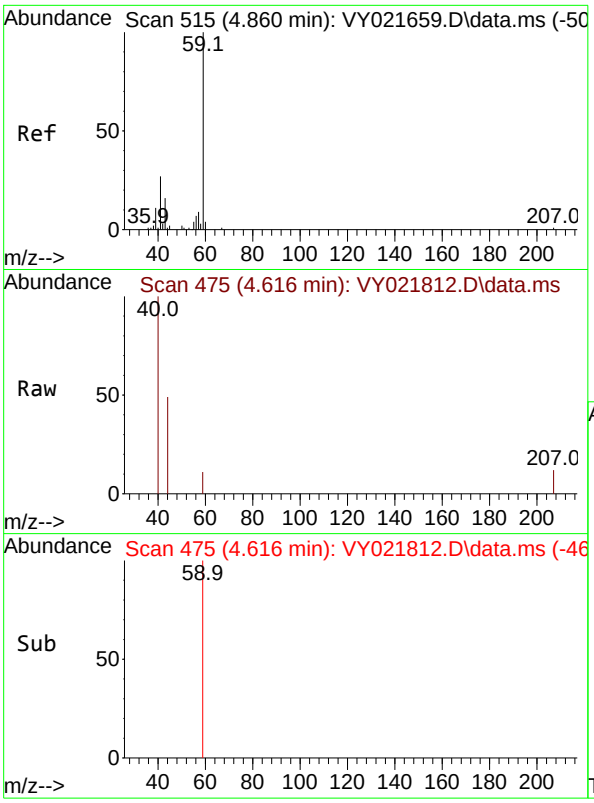


#10
Methyl Iodide
Concen: 4.169 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:142 Resp: 301

Ion	Ratio	Lower	Upper
142	100		
127	27.6	38.7	58.1#
141	0.0	11.5	17.3#



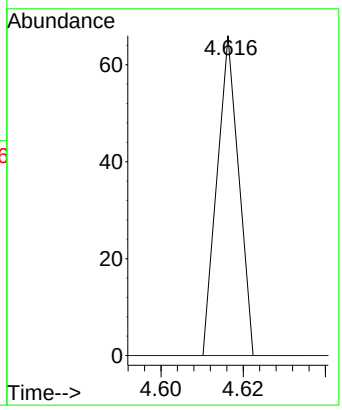


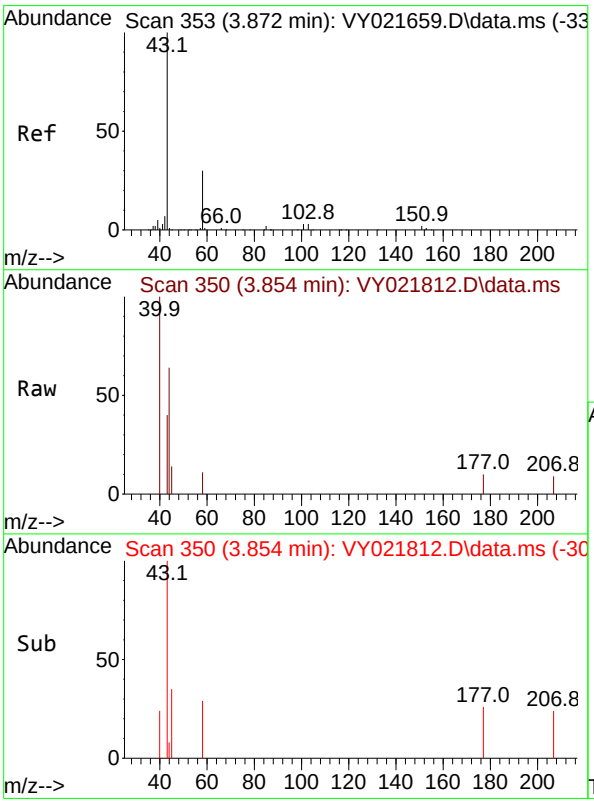
#11
Tert butyl alcohol
Concen: 5.770 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.244 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 59 Resp: 24

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#

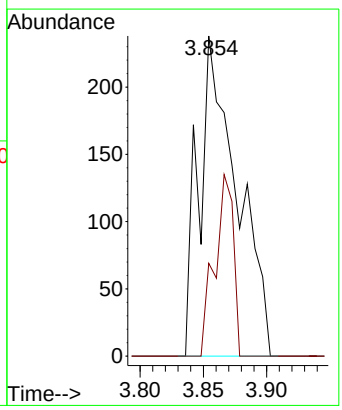


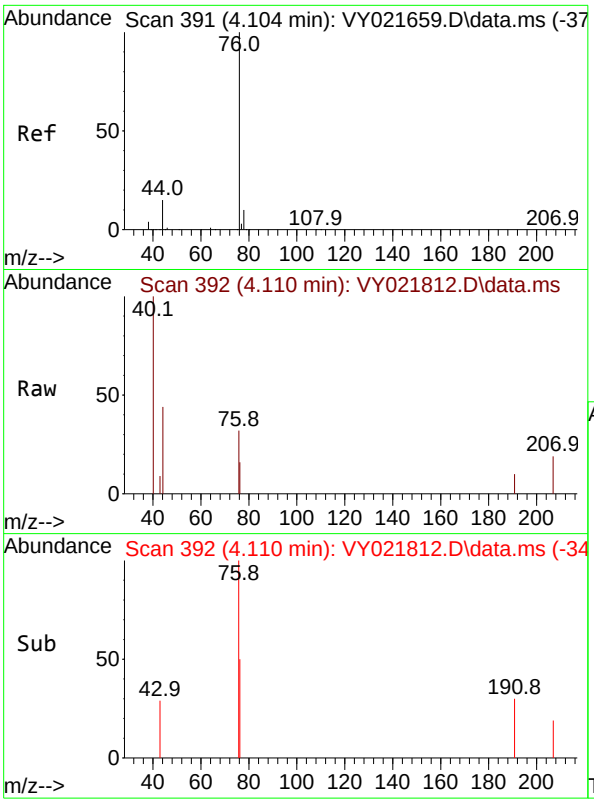


#16
Acetone
Concen: 38.153 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 43 Resp: 500

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.2	36.4



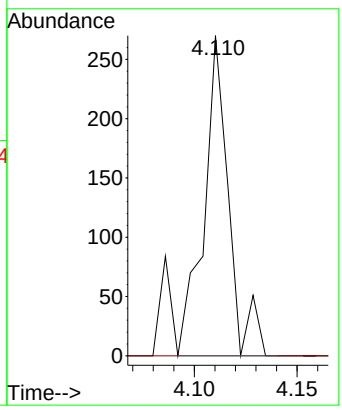


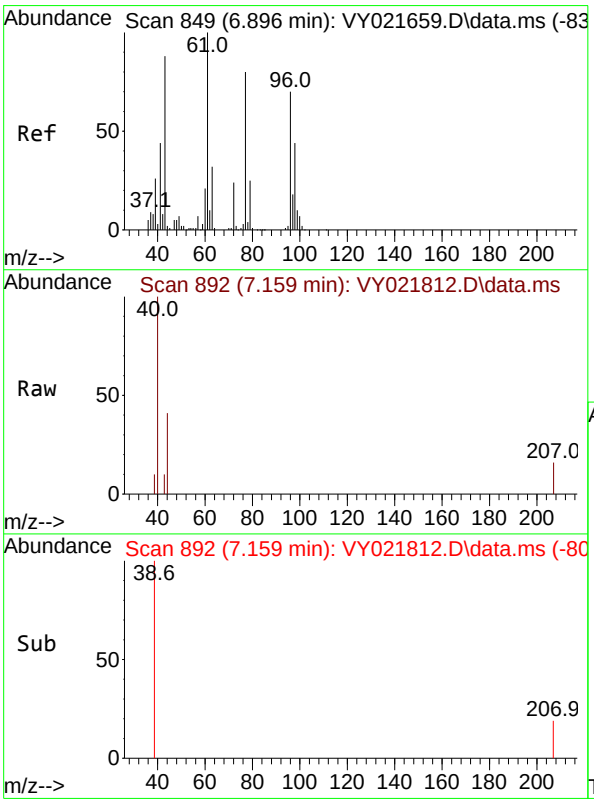
#17
Carbon Disulfide
Concen: 1.102 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 76 Resp: 225

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.6	11.4#

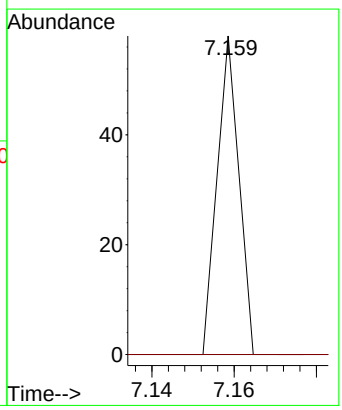


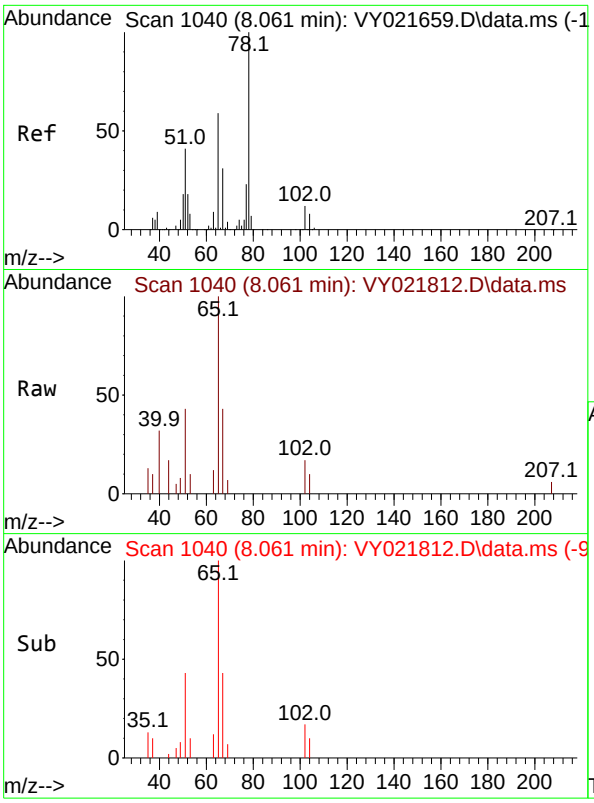


#25
2-Butanone
Concen: 1.122 ug/l
RT: 7.159 min Scan# 892
Delta R.T. 0.262 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 43 Resp: 21

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#



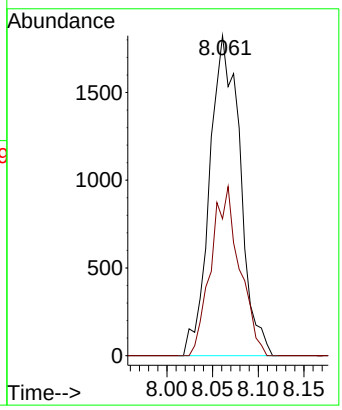


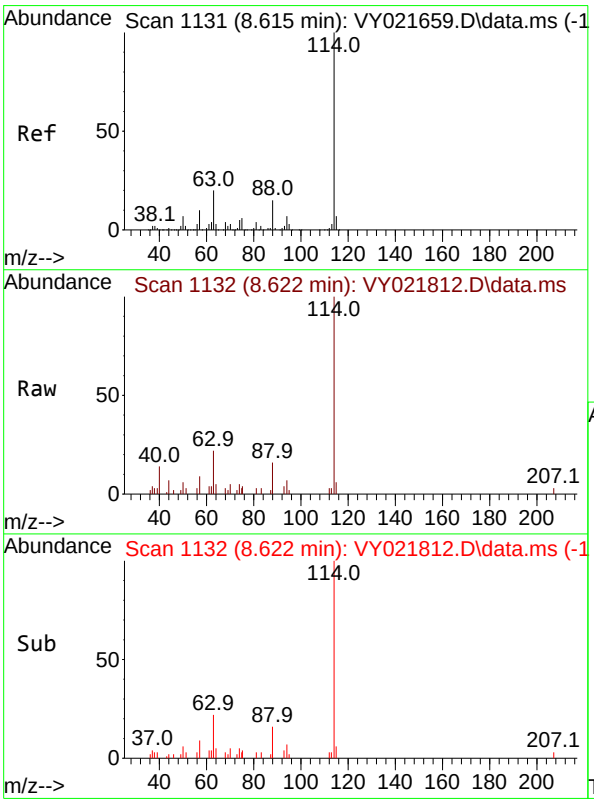
#33
1,2-Dichloroethane-d4
Concen: 66.091 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 65 Resp: 4232

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	104.6

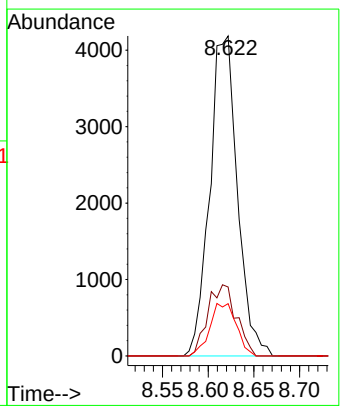


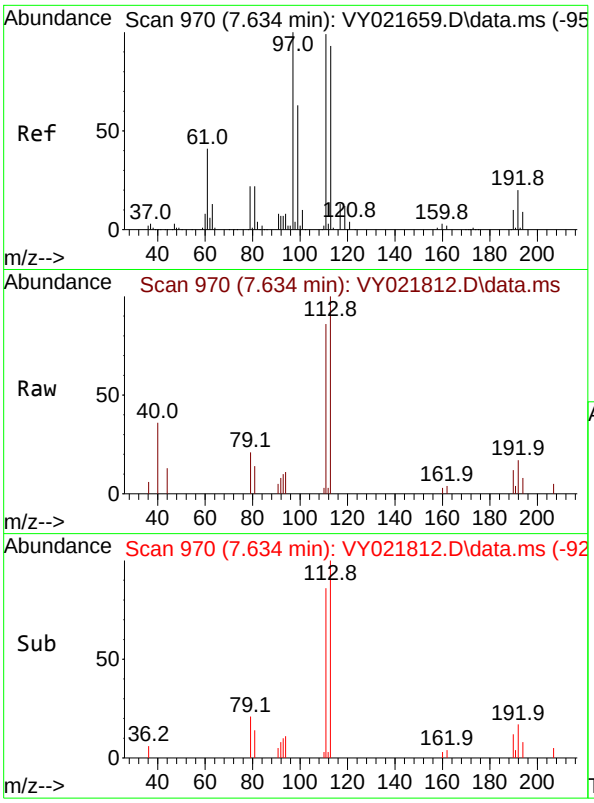


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:114 Resp: 8826

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.2
88	16.3	0.0	29.8



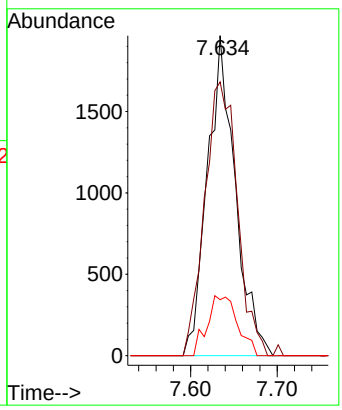


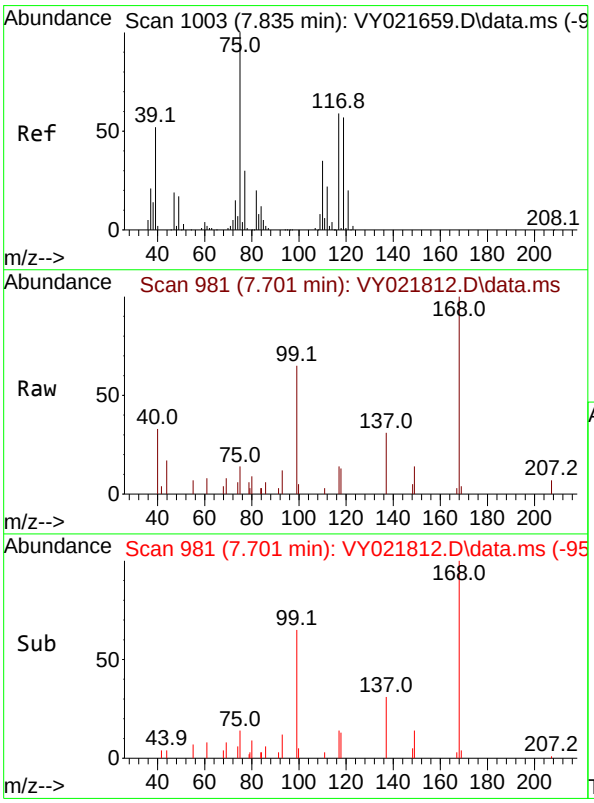
#35
Dibromofluoromethane
Concen: 76.765 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:113 Resp: 4395

Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.6	123.8
192	20.3	16.2	24.4

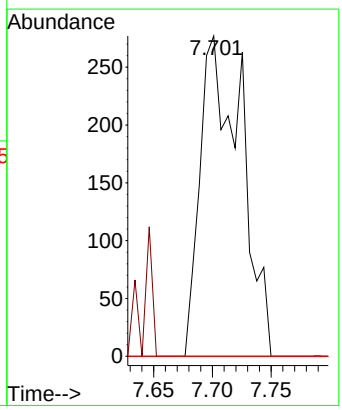


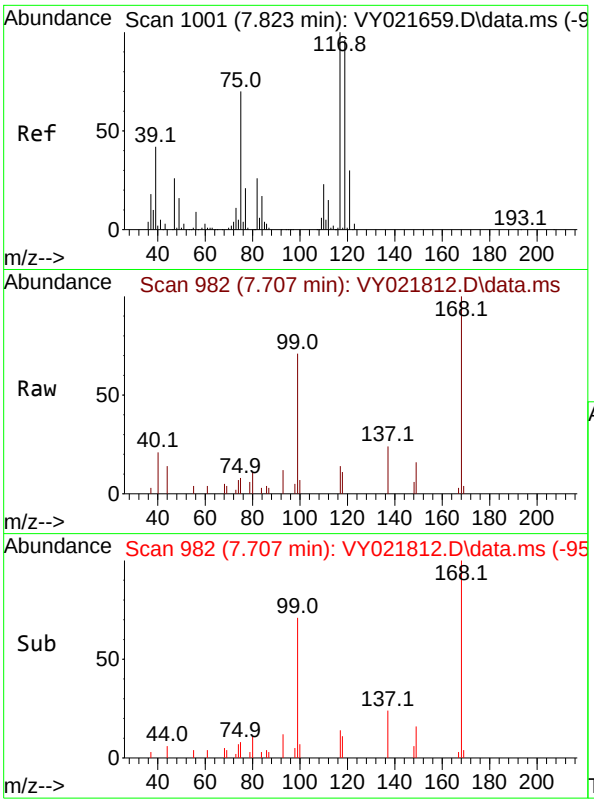


#36
1,1-Dichloropropene
Concen: 7.706 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 75 Resp: 672

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	50.9#
77	0.0	24.8	37.2#



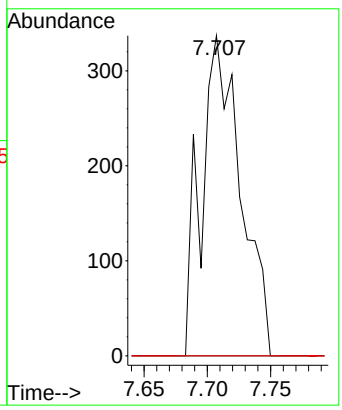


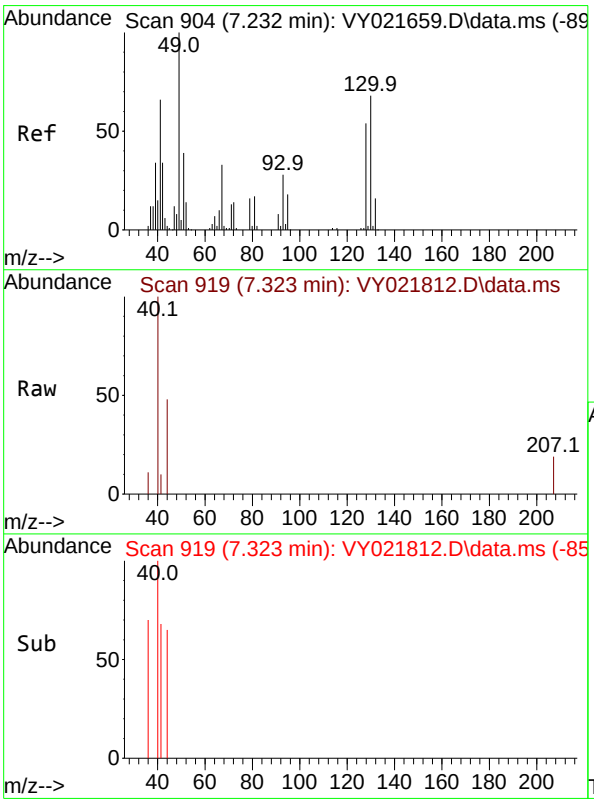
#38
Carbon Tetrachloride
Concen: 7.329 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:117 Resp: 732

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.4#
121	0.0	24.2	36.4#

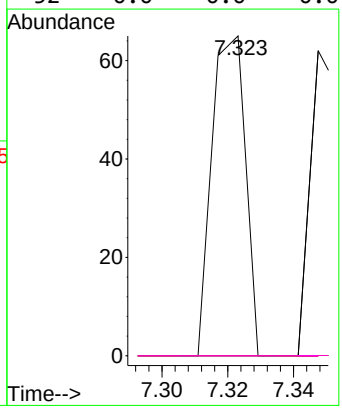


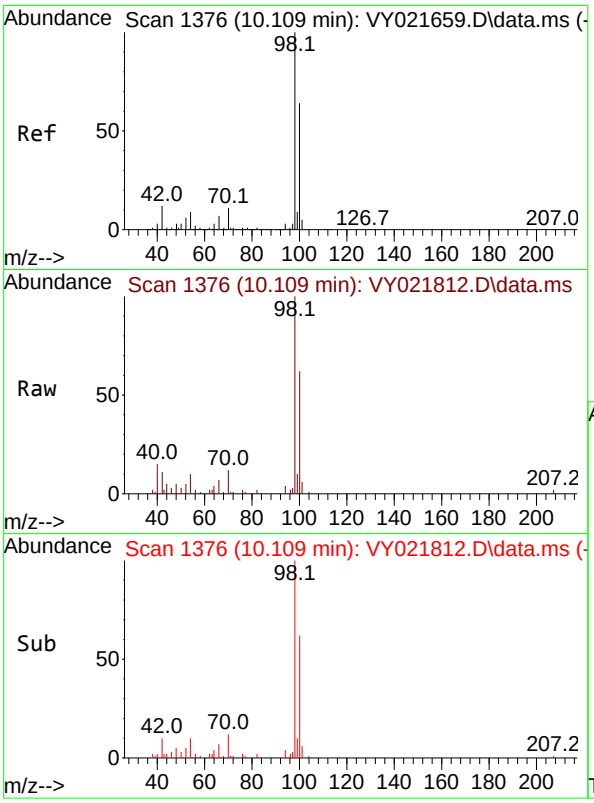


#41
Methacrylonitrile
Concen: 2.105 ug/l
RT: 7.323 min Scan# 919
Delta R.T. 0.092 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 41 Resp: 46

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



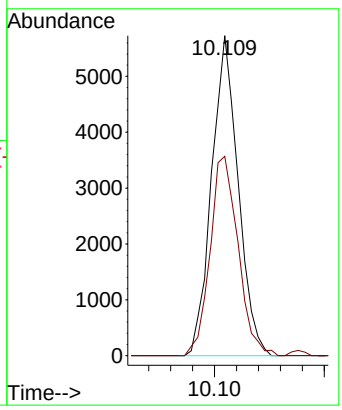


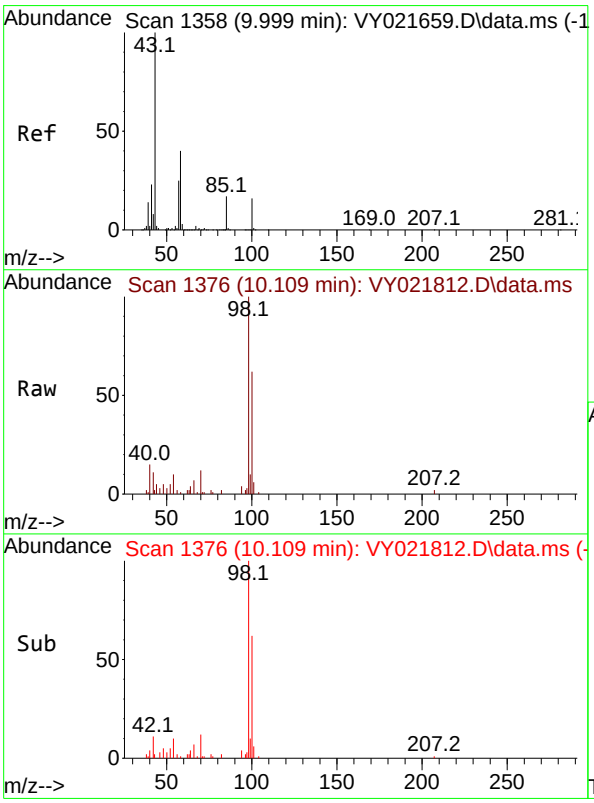
#50
Toluene-d8
Concen: 44.158 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 98 Resp: 9618

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1

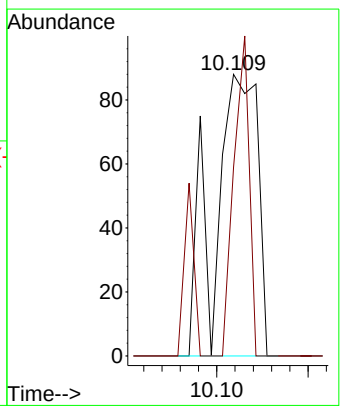


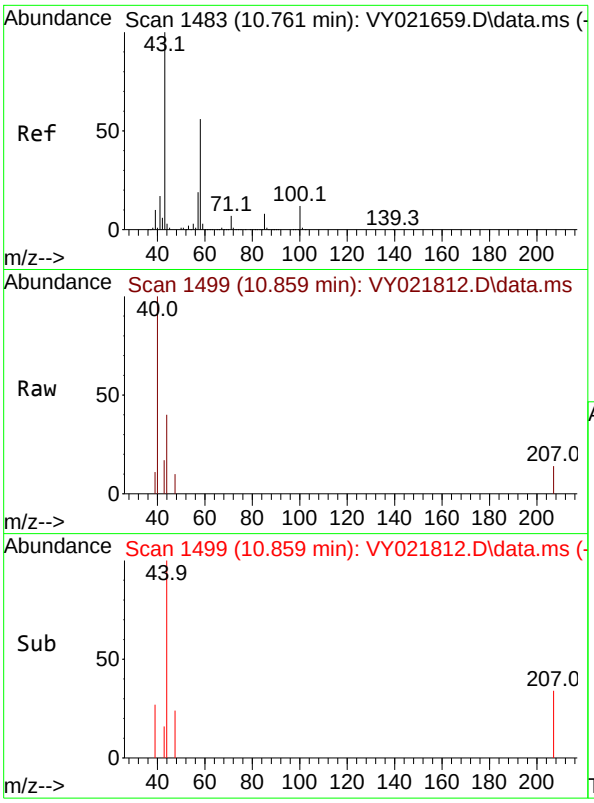


#51
4-Methyl-2-Pentanone
Concen: 3.548 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 43 Resp: 144

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.5	47.3



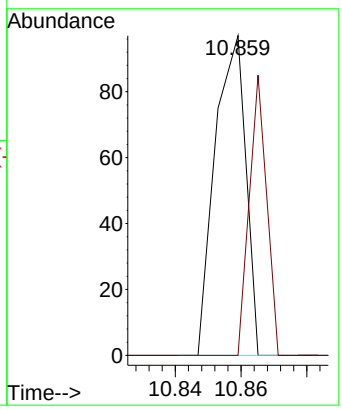


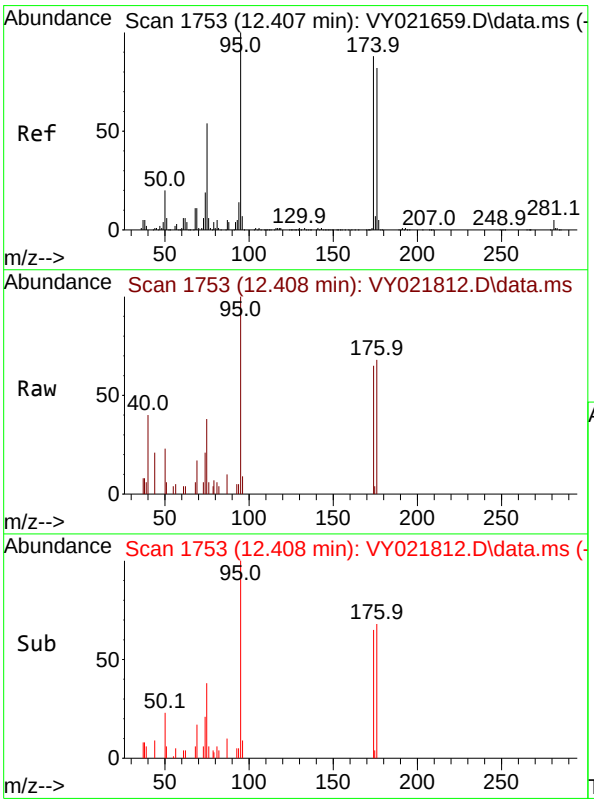
#59
2-Hexanone
Concen: 2.331 ug/l
RT: 10.859 min Scan# 14
Delta R.T. 0.098 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
58	49.2	27.2	81.5

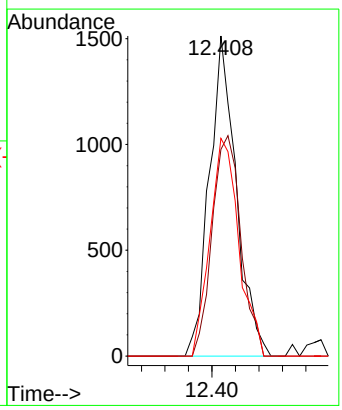


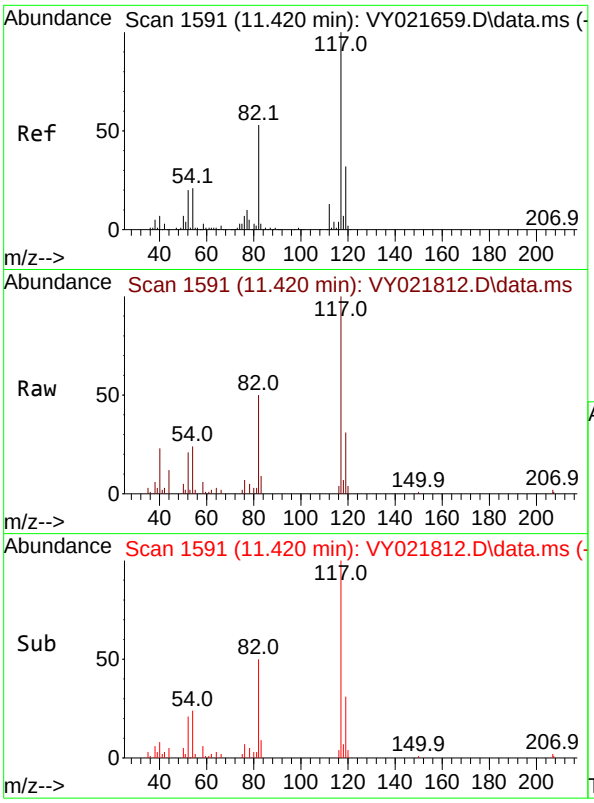


#62
4-Bromofluorobenzene
Concen: 32.590 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 95 Resp: 2401

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	170.8
176	73.2	0.0	162.0



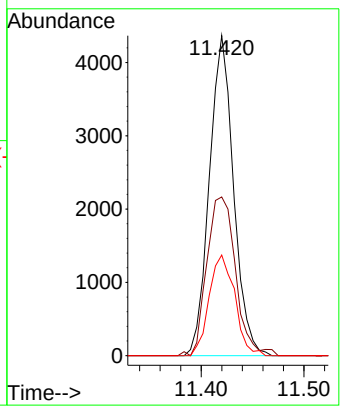


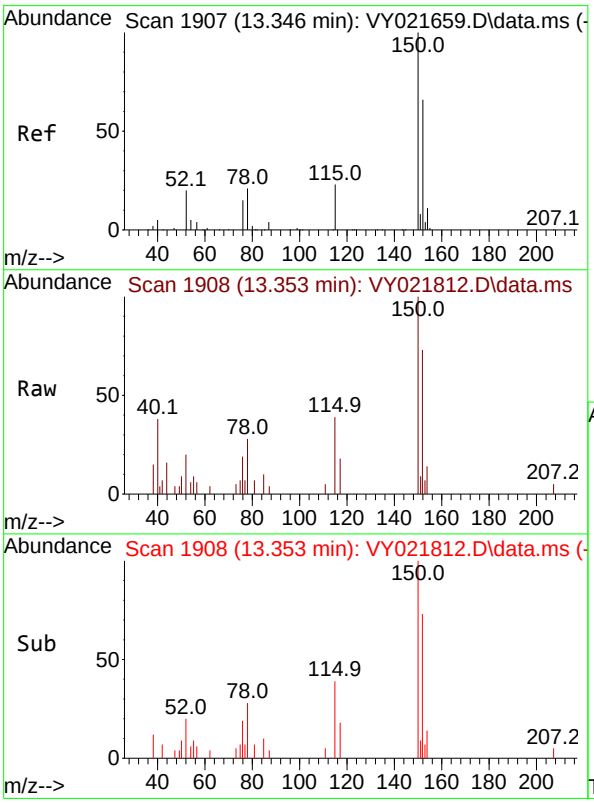
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:117 Resp: 7156

Ion	Ratio	Lower	Upper
117	100		
82	49.6	42.8	64.2
119	31.4	25.7	38.5

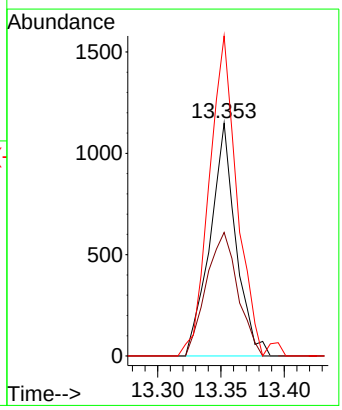


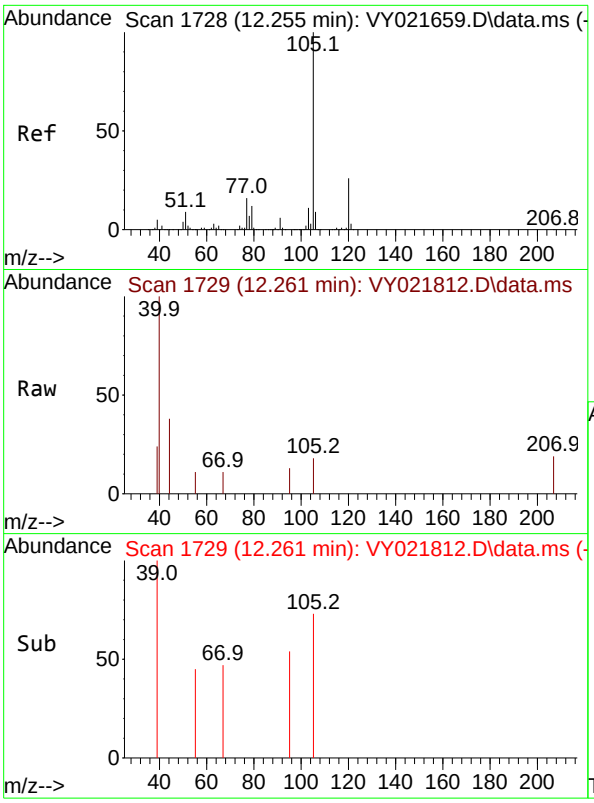


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:152 Resp: 1632

Ion	Ratio	Lower	Upper
152	100		
115	64.8	28.8	86.5
150	149.7	0.0	348.4



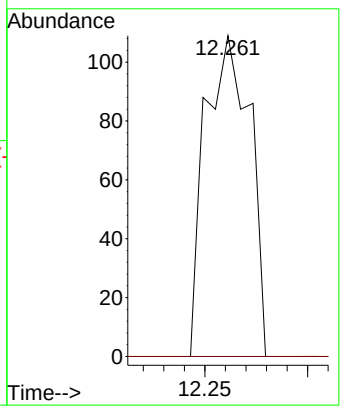


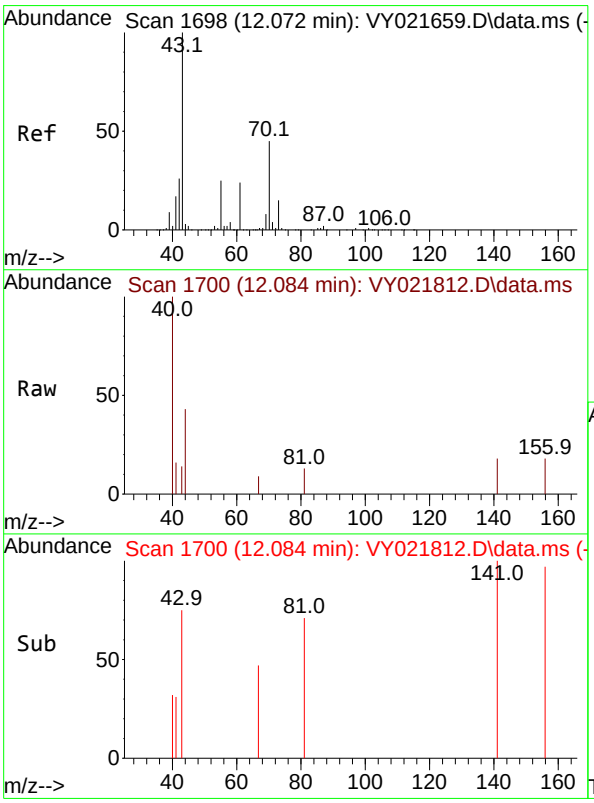
#73
Isopropylbenzene
Concen: 1.361 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:105 Resp: 165

Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.2	39.5#

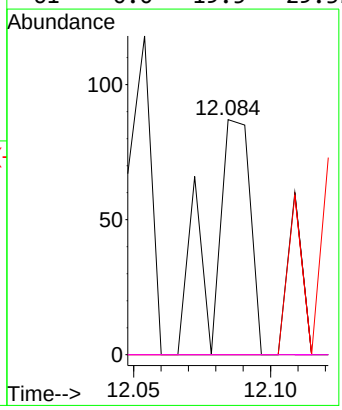


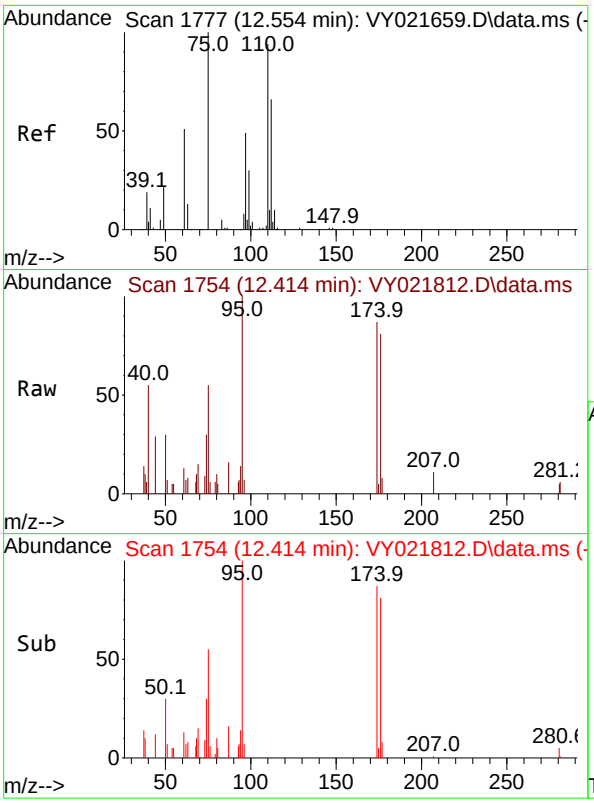


#74
N-amyl acetate
Concen: 3.058 ug/l
RT: 12.084 min Scan# 1700
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 43 Resp: 87

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.7	52.1#
55	0.0	21.2	31.8#
61	0.0	19.5	29.3#



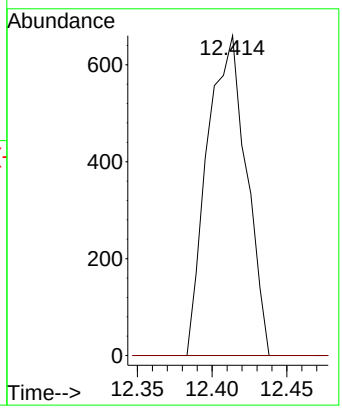


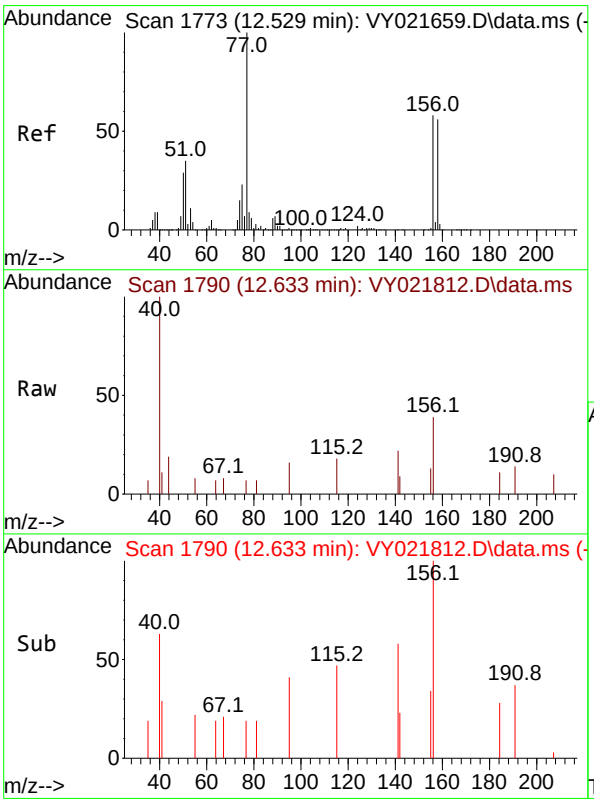
#76
1,2,3-Trichloropropane
Concen: 74.178 ug/l
RT: 12.414 min Scan# 1
Delta R.T. -0.140 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 75 Resp: 1200

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

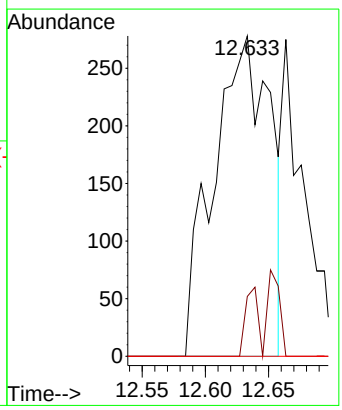


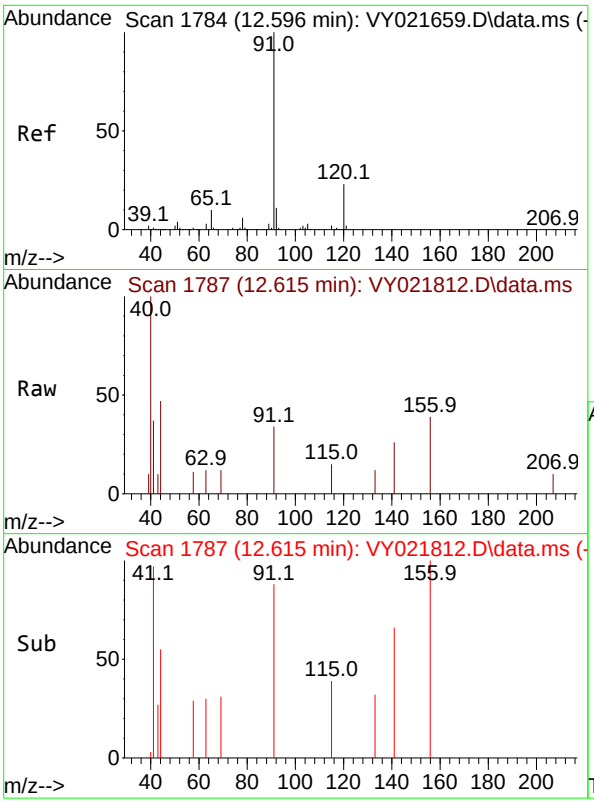


#77
Bromobenzene
Concen: 29.790 ug/l
RT: 12.633 min Scan# 1790
Delta R.T. 0.104 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:156 Resp: 867

Ion	Ratio	Lower	Upper
156	100		
77	4.7	92.8	278.3#
158	0.0	48.5	145.6#



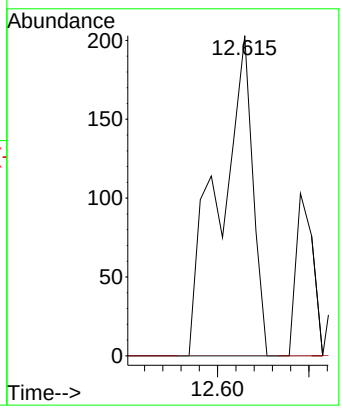


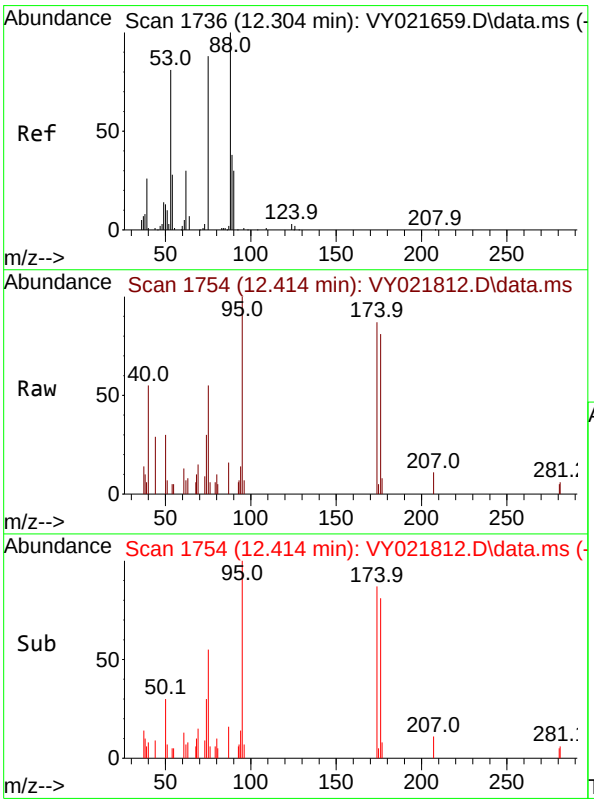
#78
n-propylbenzene
Concen: 1.770 ug/l
RT: 12.615 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 91 Resp: 258

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.3	33.9#

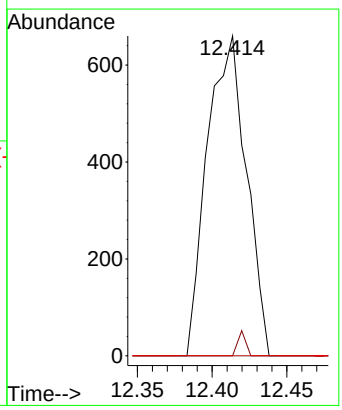


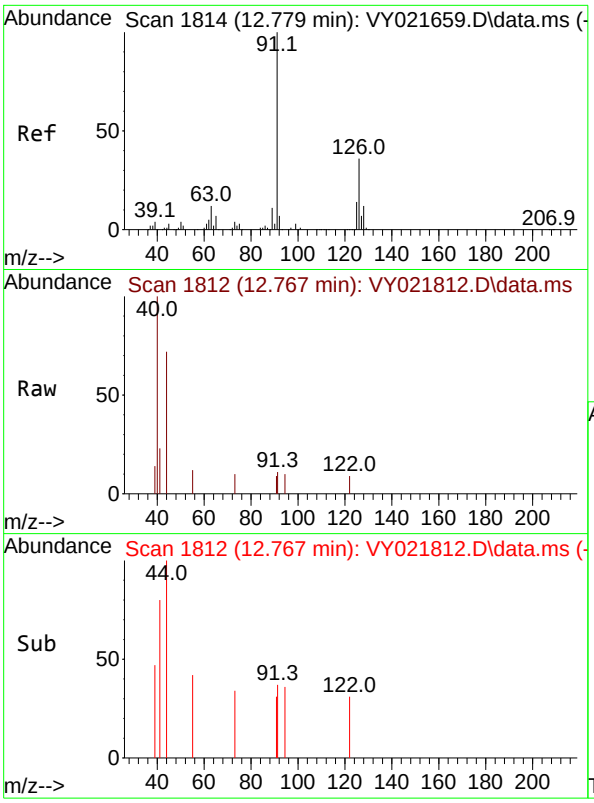


#81
trans-1,4-Dichloro-2-butene
Concen: 170.919 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion: 75 Resp: 1200

Ion	Ratio	Lower	Upper
75	100		
53	1.6	76.1	114.1#
89	0.0	36.2	54.4#



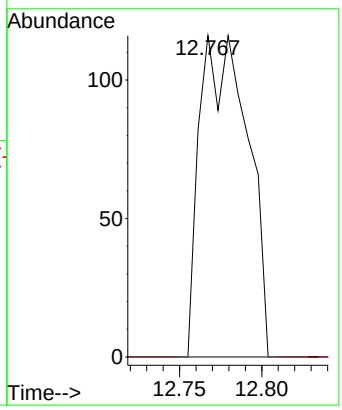


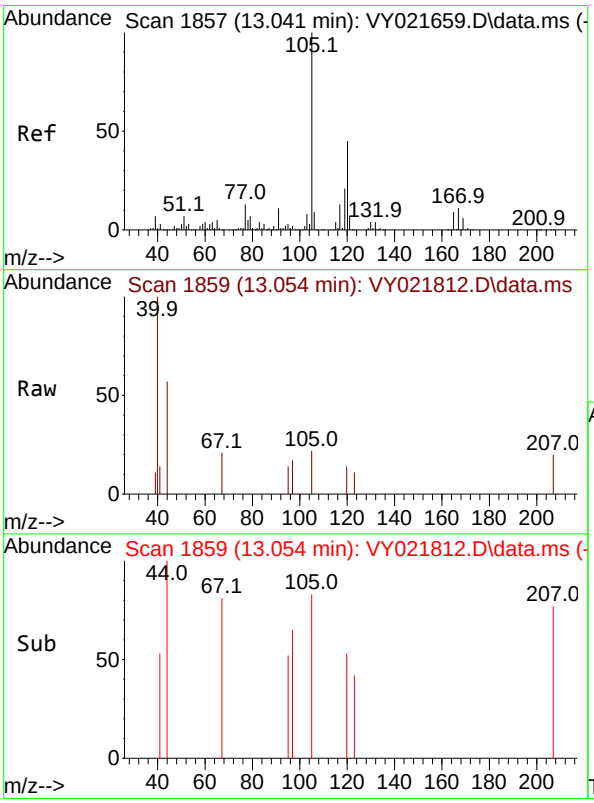
#82
4-Chlorotoluene
Concen: 2.663 ug/l
RT: 12.767 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 91 Resp: 235

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	50.9#

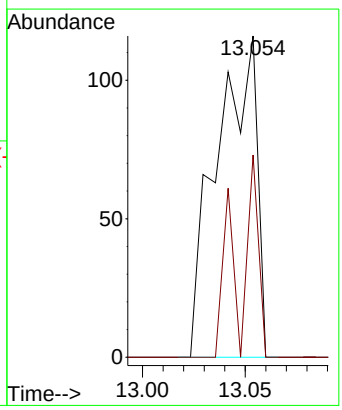


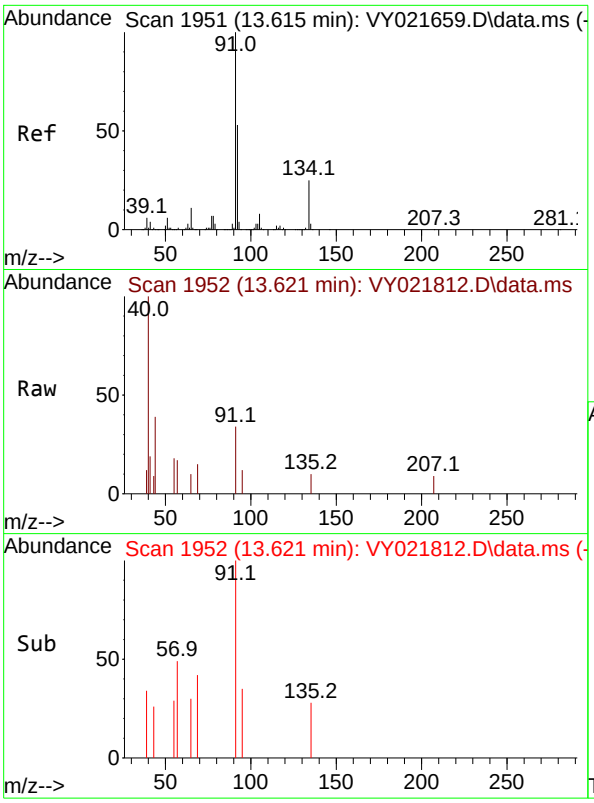


#84
1,2,4-Trimethylbenzene
Concen: 1.603 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:105 Resp: 157

Ion	Ratio	Lower	Upper
105	100		
120	14.0	22.7	68.1#



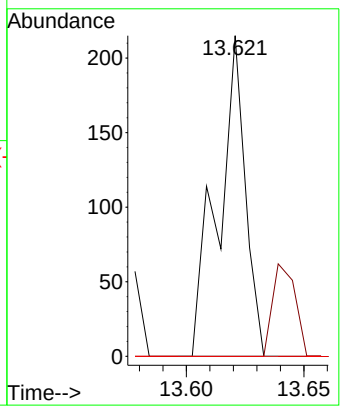


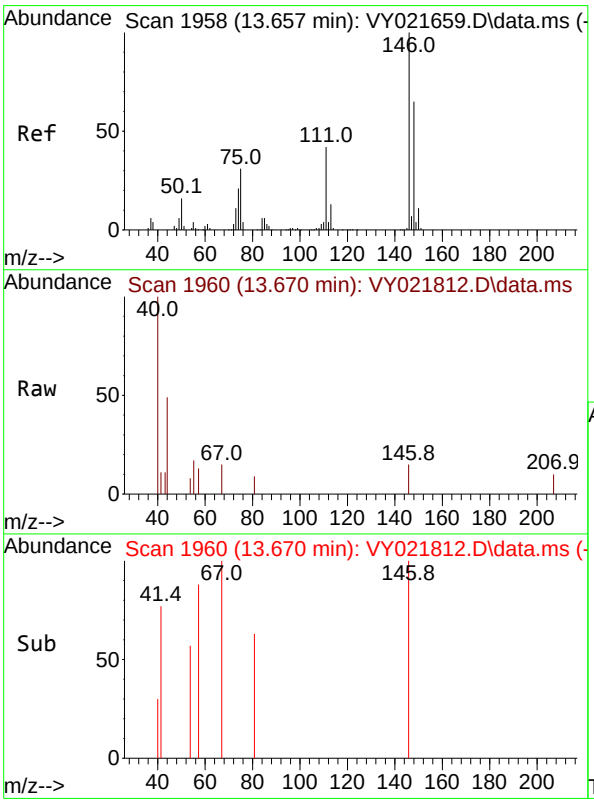
#89
n-Butylbenzene
Concen: 1.755 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion: 91 Resp: 173

Ion	Ratio	Lower	Upper
91	100		
92	23.7	26.4	79.2#
134	0.0	12.8	38.4#

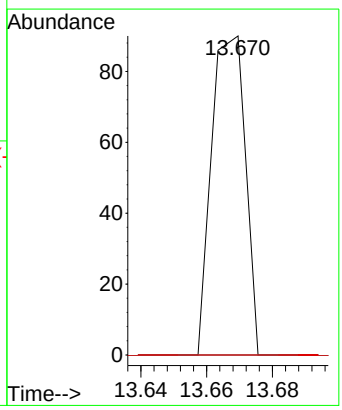


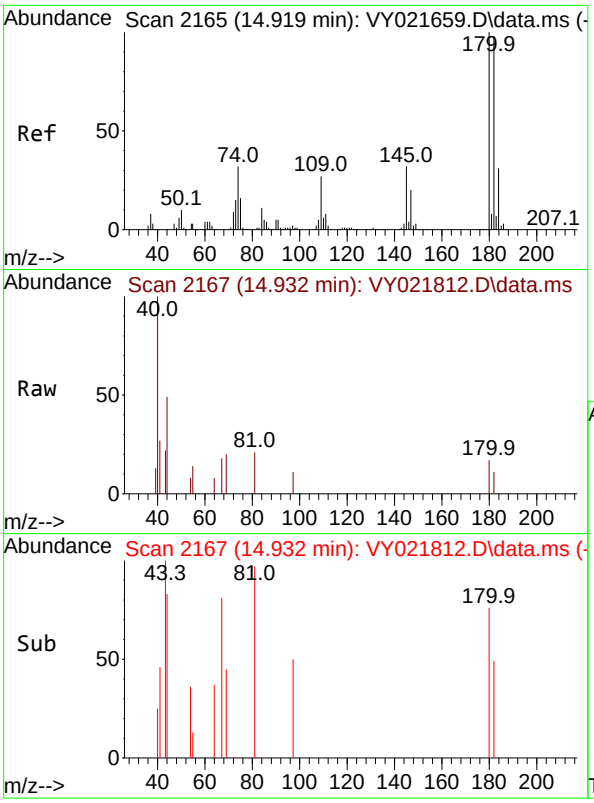


#91
1,2-Dichlorobenzene
Concen: 1.282 ug/l
RT: 13.670 min Scan# 1960
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:146 Resp: 64

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.9#



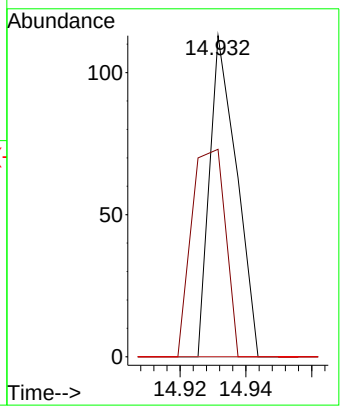


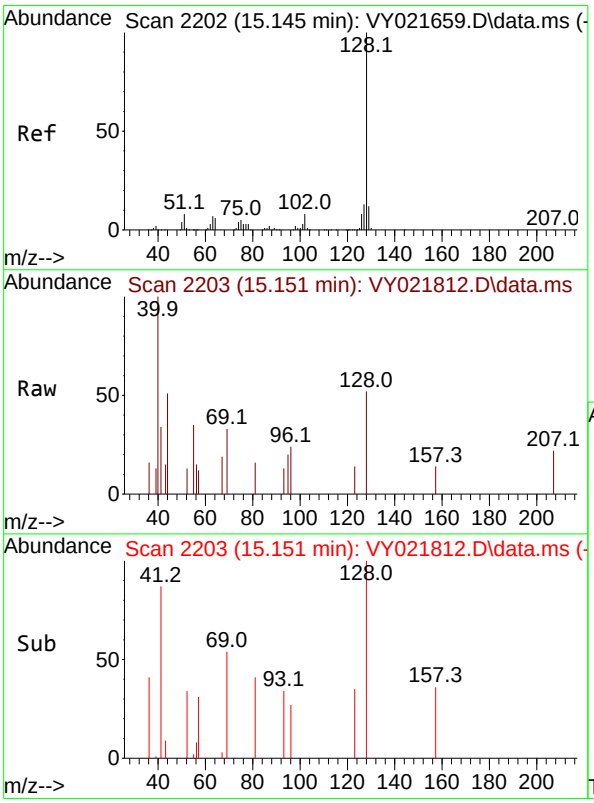
#93
1,2,4-Trichlorobenzene
Concen: 2.364 ug/l
RT: 14.932 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:180 Resp: 64

Ion	Ratio	Lower	Upper
180	100		
182	81.3	47.5	142.6
145	0.0	14.9	44.9#

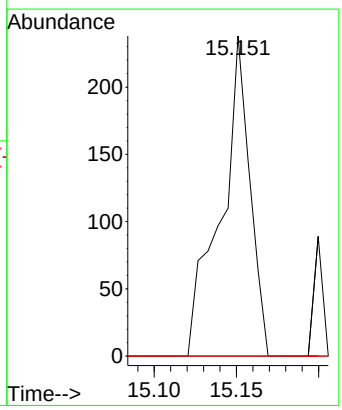


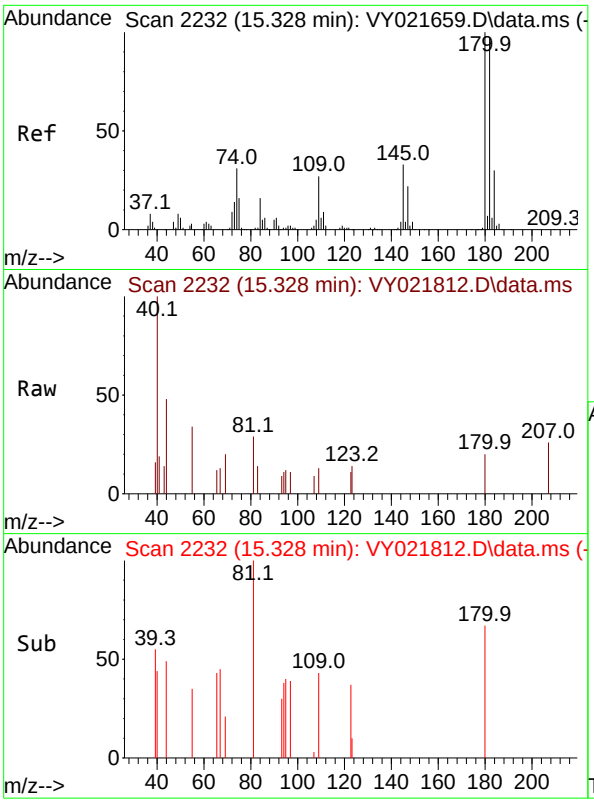


#95
Naphthalene
Concen: 6.553 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Tgt Ion:128 Resp: 294

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.8	13.2#





#96
1,2,3-Trichlorobenzene
Concen: 3.119 ug/l
RT: 15.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021812.D
Acq: 09 Apr 2025 12:30

Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008

Tgt Ion:180 Resp: 72

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.5	142.5#
145	0.0	15.9	47.7#