Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021693.D
Acq On : 28 Mar 2025 15:38
Operator : SY/MD
Sample : Q1654-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Quant Time: Mar 28 23:44:38 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	7.707	168	3240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2481	70.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.340%			
35) Dibromofluoromethane	7.634	113	1794	55.657	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.320%			
50) Toluene-d8	10.109	98	5122	41.770	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.540%			
62) 4-Bromofluorobenzene	12.408	95	585	14.104	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 28.200%#			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	209	4.426	ug/l #	42
5) Bromomethane	2.623	94	200	5.491	ug/l	85
8) Diethyl Ether	3.616	74	39	2.096	ug/l	72
10) Methyl Iodide	4.007	142	229	5.785	ug/l #	83
11) Tert butyl alcohol	4.970	59	22	9.649	ug/l #	70
13) Acrolein	3.866	56	19	4.564	ug/l #	14
14) Allyl chloride	4.360	41	56	1.033	ug/l #	21
15) Acrylonitrile	4.970	53	27	3.476	ug/l #	18
16) Acetone	3.842	43	71	9.882	ug/l #	44
18) Methyl Acetate	4.281	43	48	2.696	ug/l #	51
20) Methylene Chloride	4.622	84	42	Below Cal	#	79
28) Bromochloromethane	7.274	49	46	1.605	ug/l #	14
29) Tetrahydrofuran	7.439	42	26	3.937	ug/l #	34
37) Ethyl Acetate	7.189	43	44	1.899	ug/l #	69
38) Carbon Tetrachloride	7.713	117	316	5.620	ug/l #	12
41) Methacrylonitrile	7.134	41	42	3.413	ug/l #	100
43) Isopropyl Acetate	8.195	43	66	1.503	ug/l #	61
52) Toluene	10.164	92	178	1.940	ug/l #	60
59) 2-Hexanone	10.762	43	20	1.314	ug/l #	24
74) N-amyl acetate	12.133	43	26	3.114	ug/l #	42
76) 1,2,3-Trichloropropane	12.408	75	305	64.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	305	148.010	ug/l #	11
87) 1,3-Dichlorobenzene	13.389	146	30	1.783	ug/l #	25
88) 1,4-Dichlorobenzene	13.389	146	30	1.804	ug/l #	26
91) 1,2-Dichlorobenzene	13.389	146	30	2.048	ug/l #	24
95) Naphthalene	15.163	128	27	2.050	ug/l #	68

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

Quantitation Report (Not Reviewed)

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Sample : Q1654-01
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Instrument :
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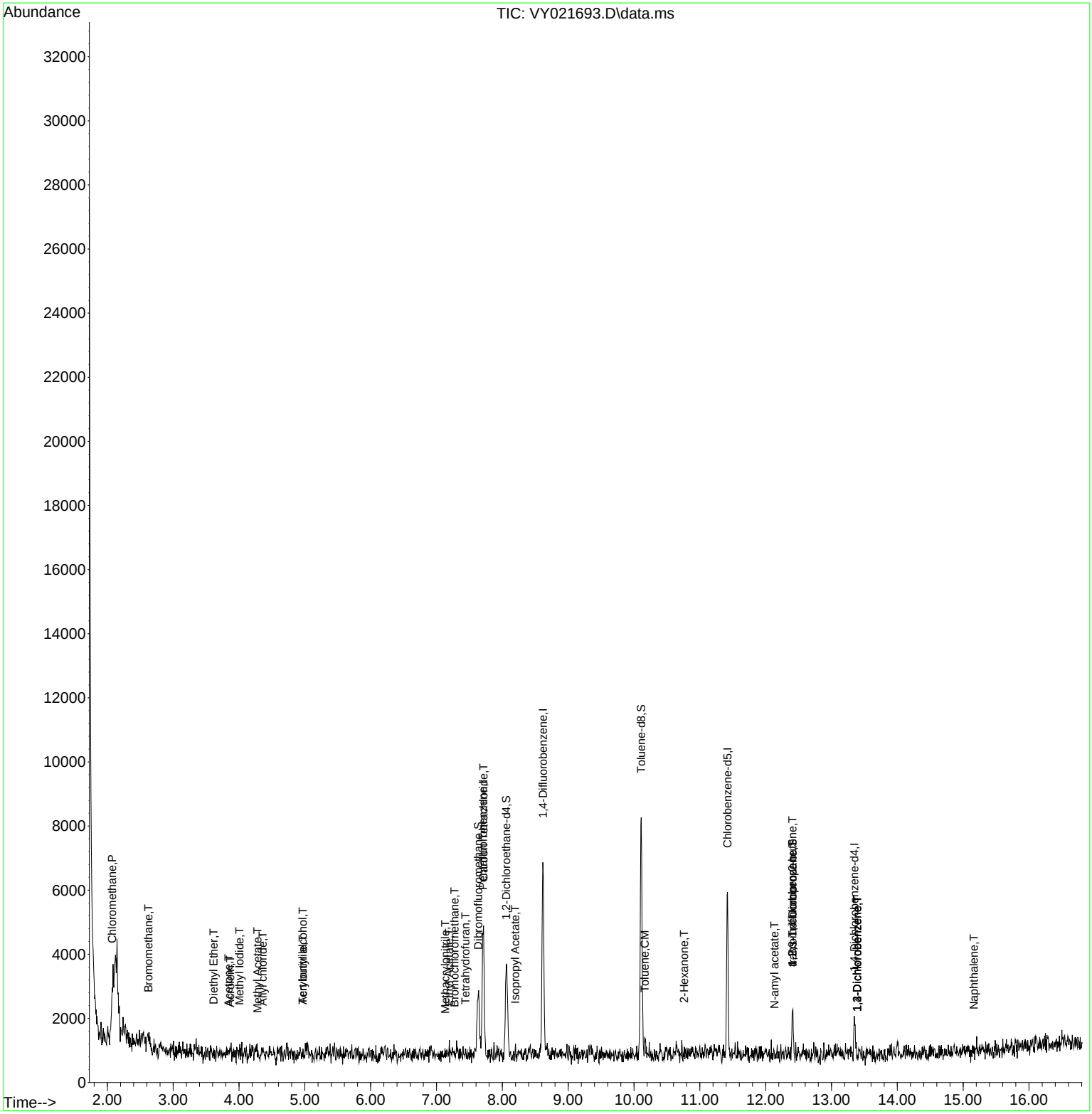
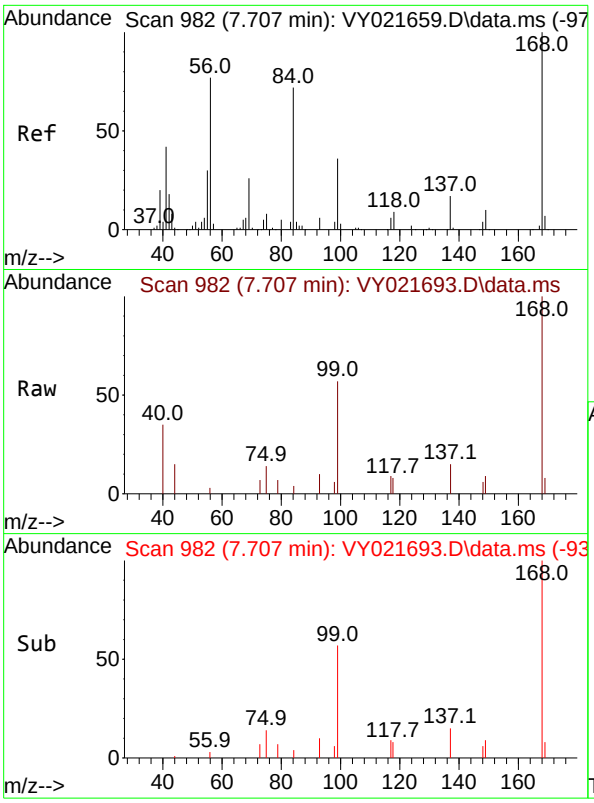
ClientSampleId :
RT3407

Quant Time: Mar 28 23:44:38 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



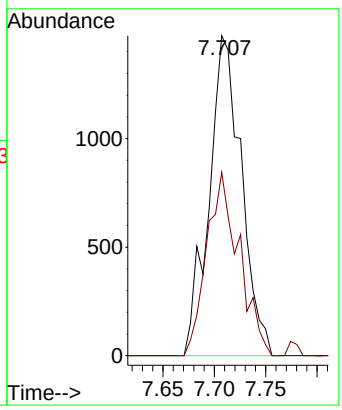


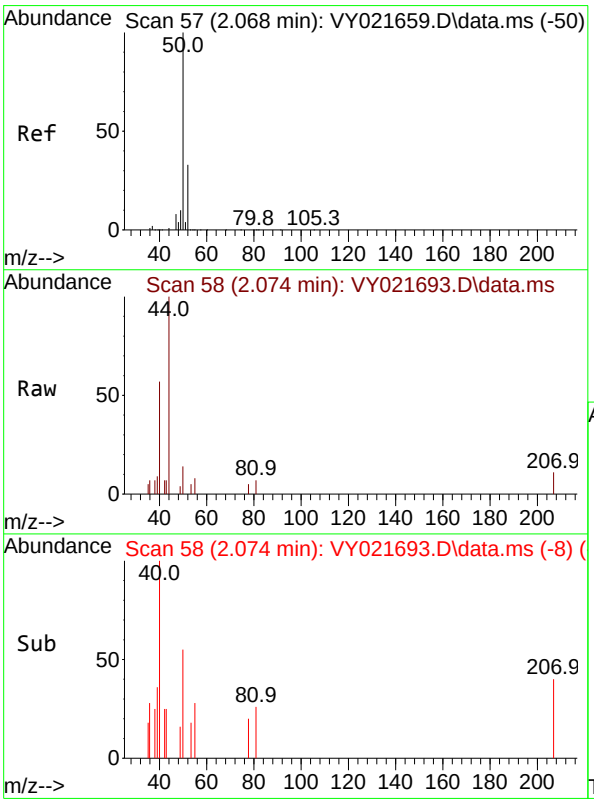
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:168 Resp: 3240

Ion	Ratio	Lower	Upper
168	100		
99	57.3	46.7	70.1

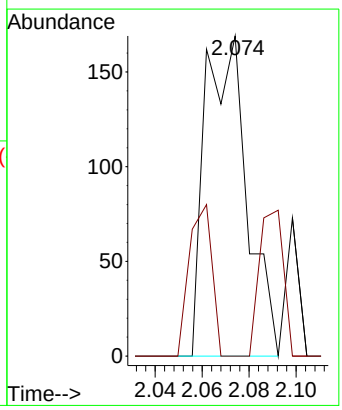


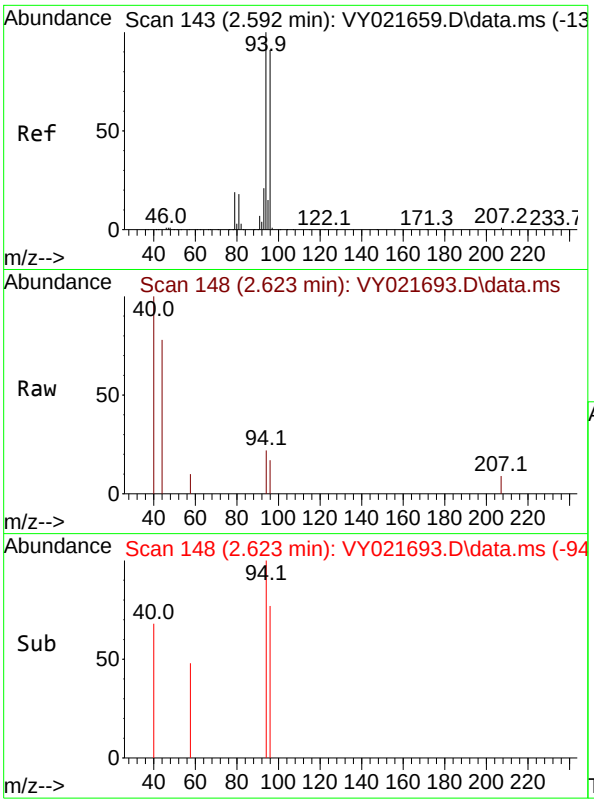


#3
Chloromethane
Concen: 4.426 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 50 Resp: 209

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.3	39.5#



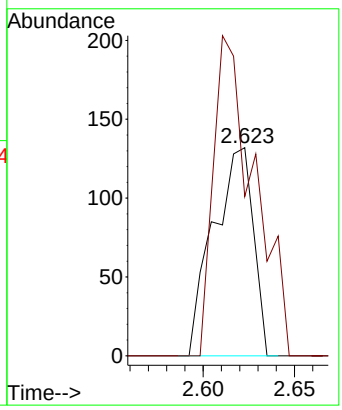


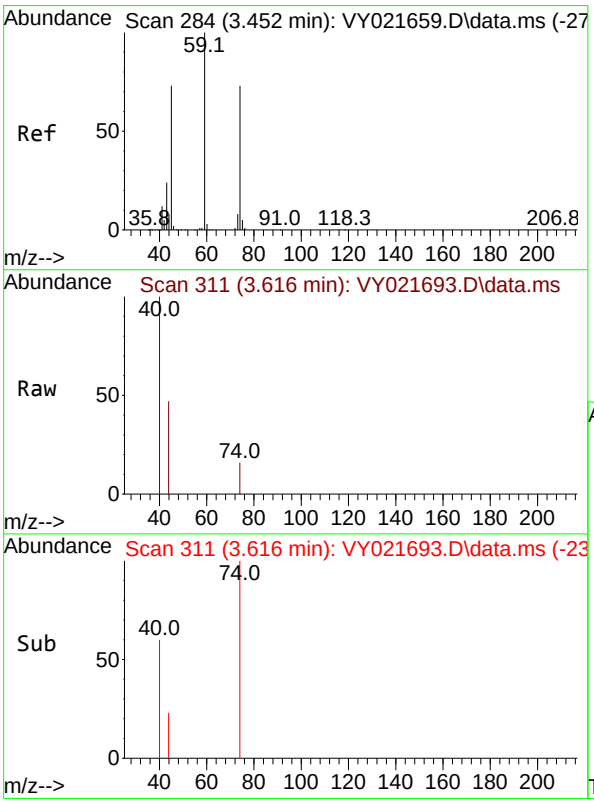
#5
Bromomethane
Concen: 5.491 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.031 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 94 Resp: 200

Ion	Ratio	Lower	Upper
94	100		
96	76.5	72.8	109.2

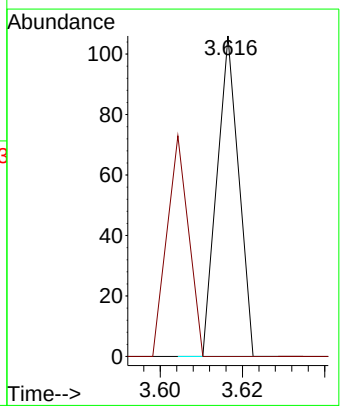


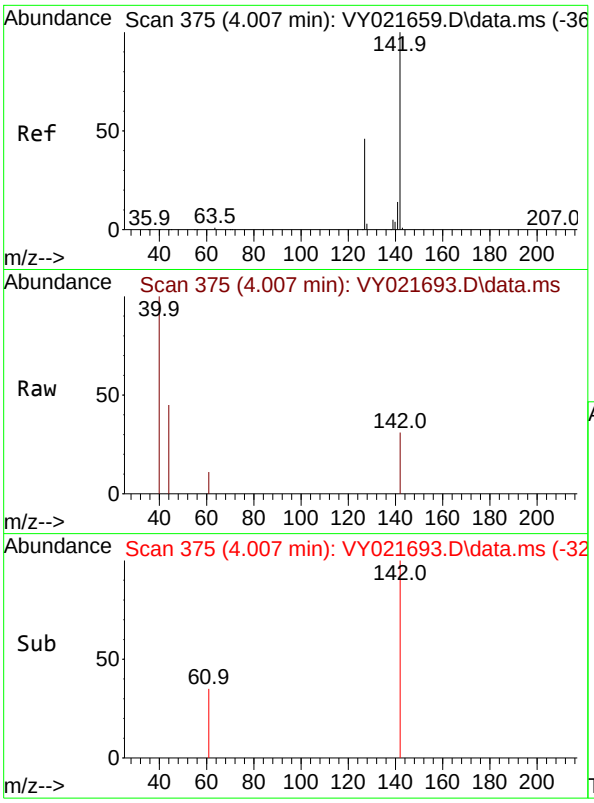


#8
Diethyl Ether
Concen: 2.096 ug/l
RT: 3.616 min Scan# 311
Delta R.T. 0.165 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 74 Resp: 39

Ion	Ratio	Lower	Upper
74	100		
45	69.2	48.6	145.8



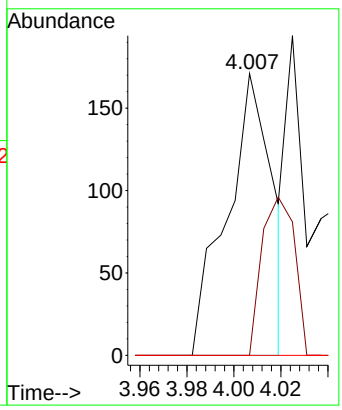


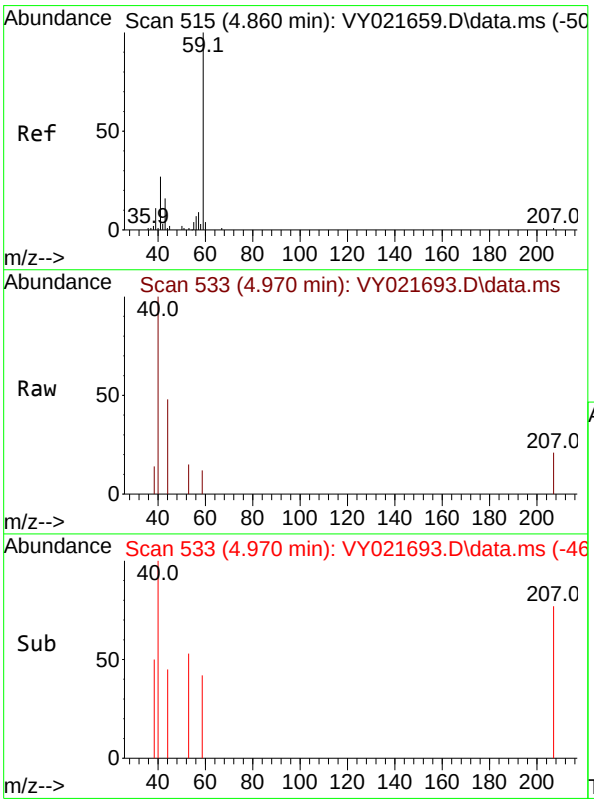
#10
Methyl Iodide
Concen: 5.785 ug/l
RT: 4.007 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:142 Resp: 229

Ion	Ratio	Lower	Upper
142	100		
127	40.6	38.7	58.1
141	0.0	11.5	17.3#

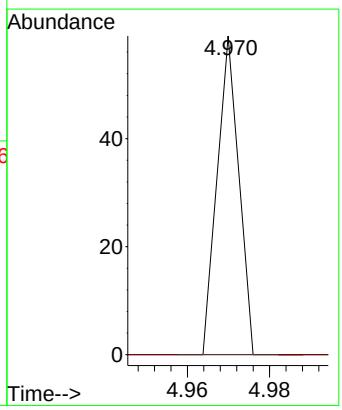


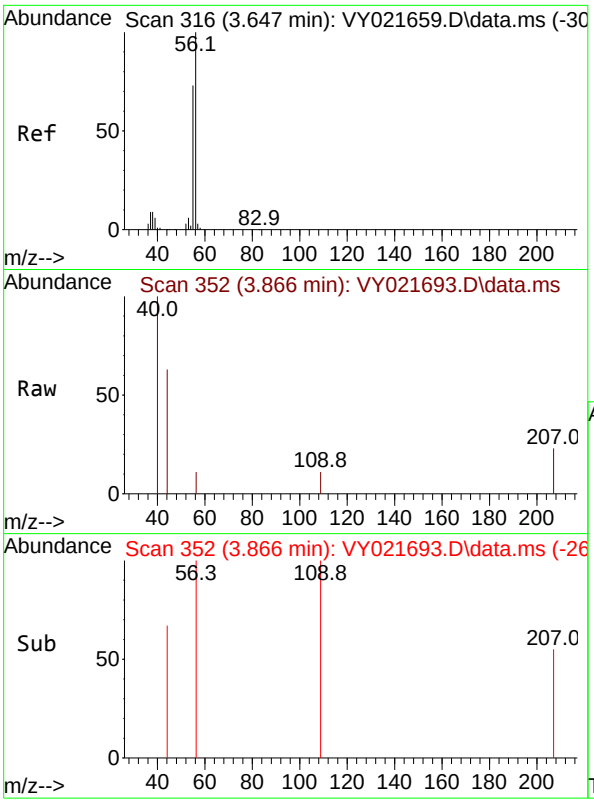


#11
Tert butyl alcohol
Concen: 9.649 ug/l
RT: 4.970 min Scan# 533
Delta R.T. 0.110 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 59 Resp: 22

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



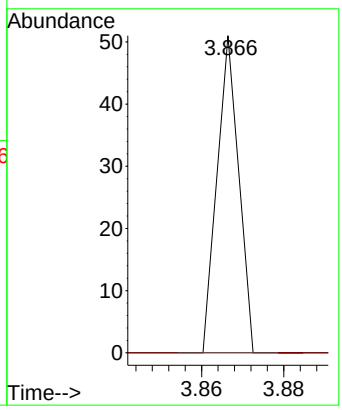


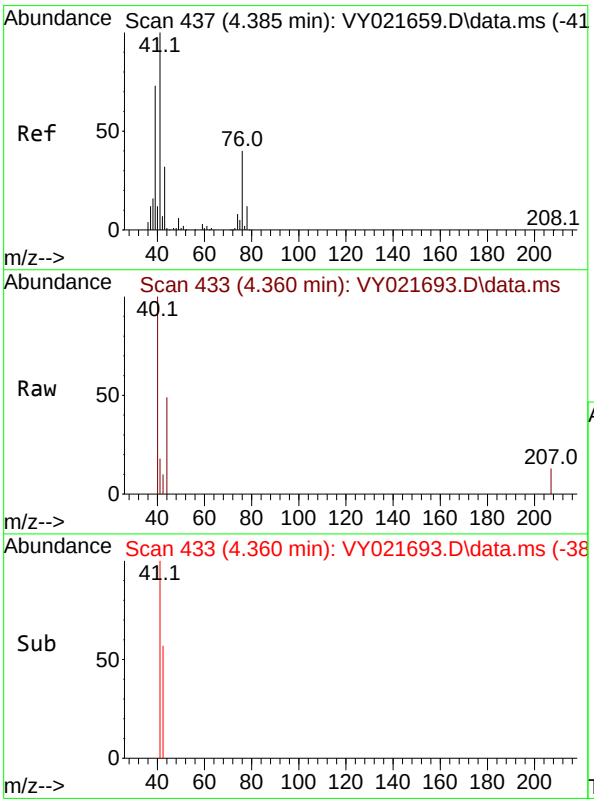
#13
Acrolein
Concen: 4.564 ug/l
RT: 3.866 min Scan# 3
Delta R.T. 0.220 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 56 Resp: 19

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.6	85.0#

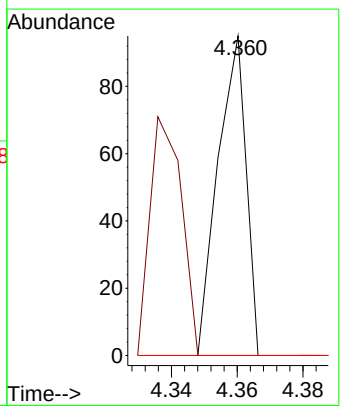


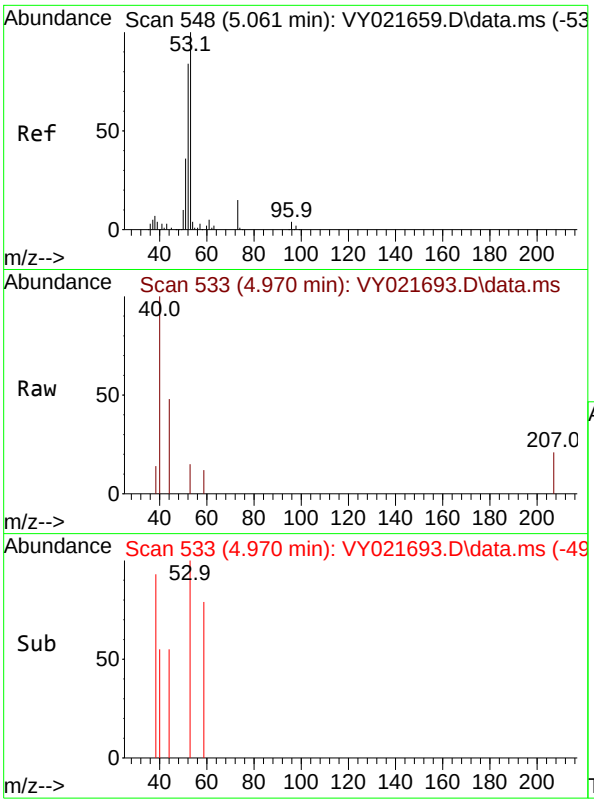


#14
Allyl chloride
Concen: 1.033 ug/l
RT: 4.360 min Scan# 433
Delta R.T. -0.024 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 41 Resp: 56

Ion	Ratio	Lower	Upper
41	100		
39	0.0	58.6	88.0#
76	0.0	30.3	45.5#



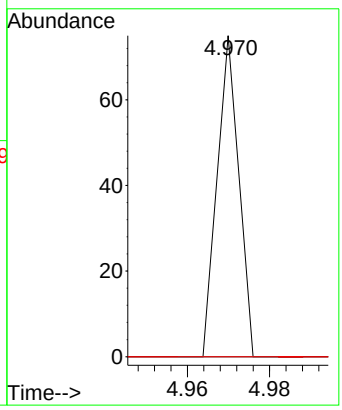


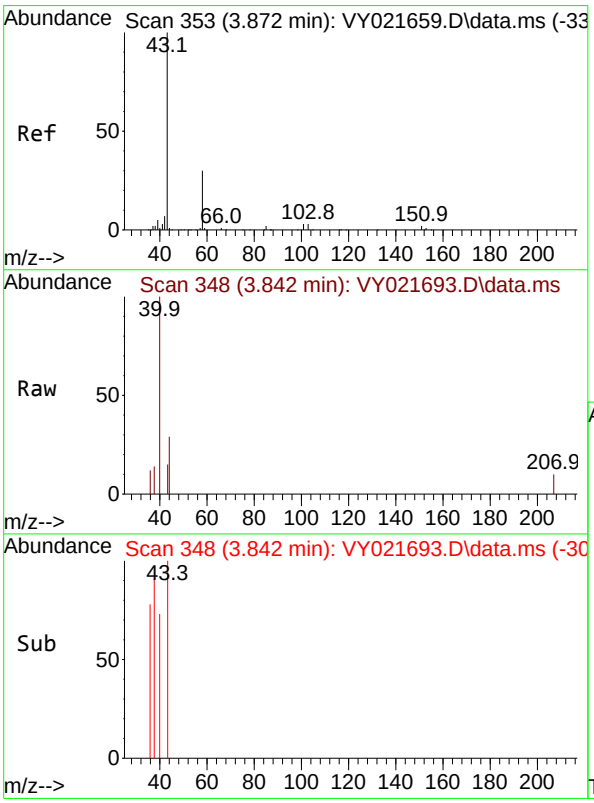
#15
Acrylonitrile
Concen: 3.476 ug/l
RT: 4.970 min Scan# 5
Delta R.T. -0.091 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 53 Resp: 27

Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.9	97.3#
51	0.0	30.2	45.2#

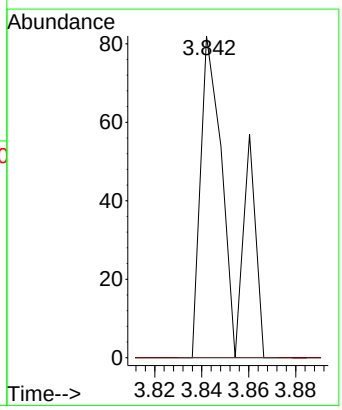


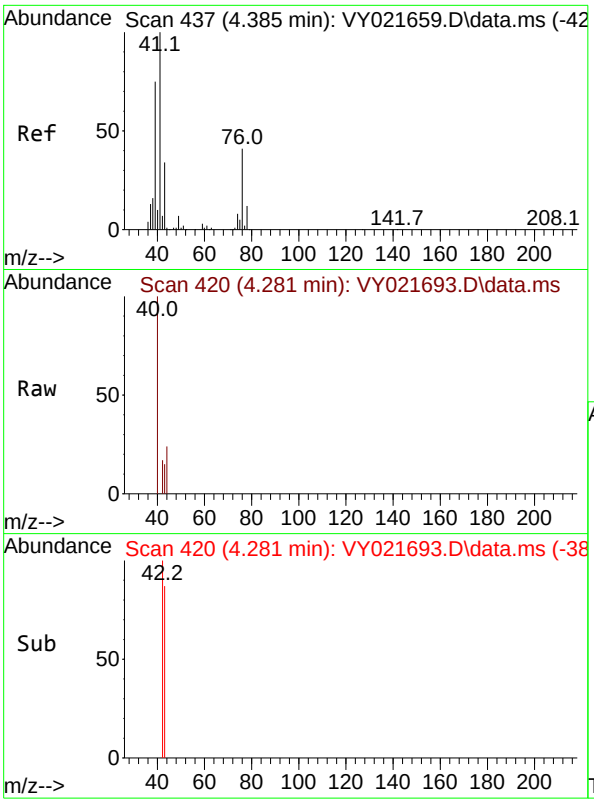


#16
Acetone
Concen: 9.882 ug/l
RT: 3.842 min Scan# 348
Delta R.T. -0.030 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 43 Resp: 71

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.2	36.4#



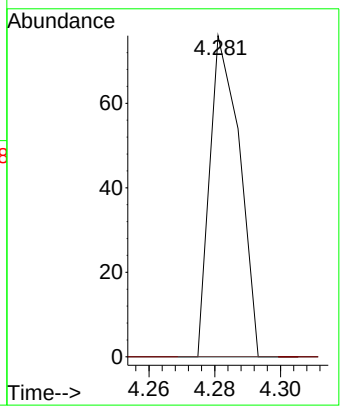


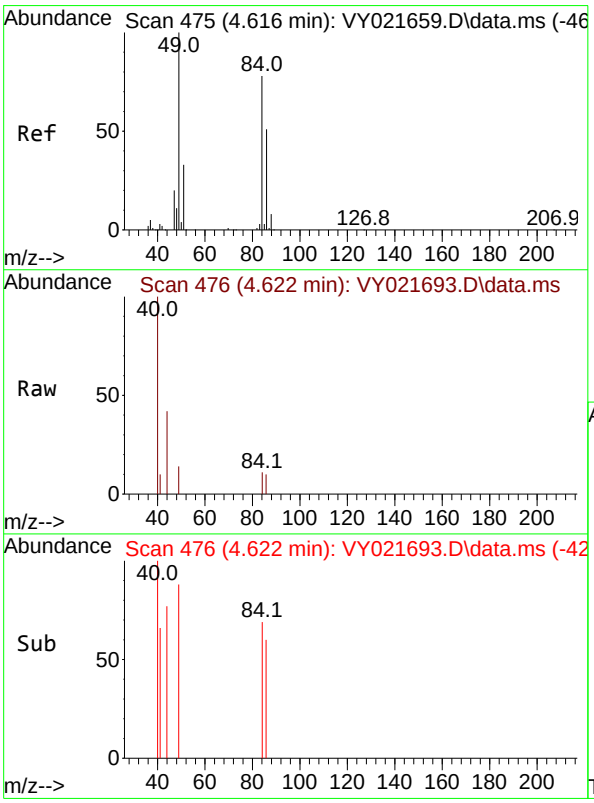
#18
Methyl Acetate
Concen: 2.696 ug/l
RT: 4.281 min Scan# 4
Delta R.T. -0.104 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 43 Resp: 48

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.1	28.7#

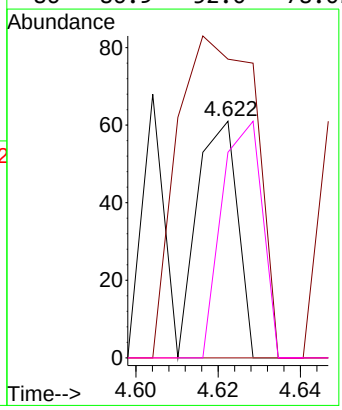


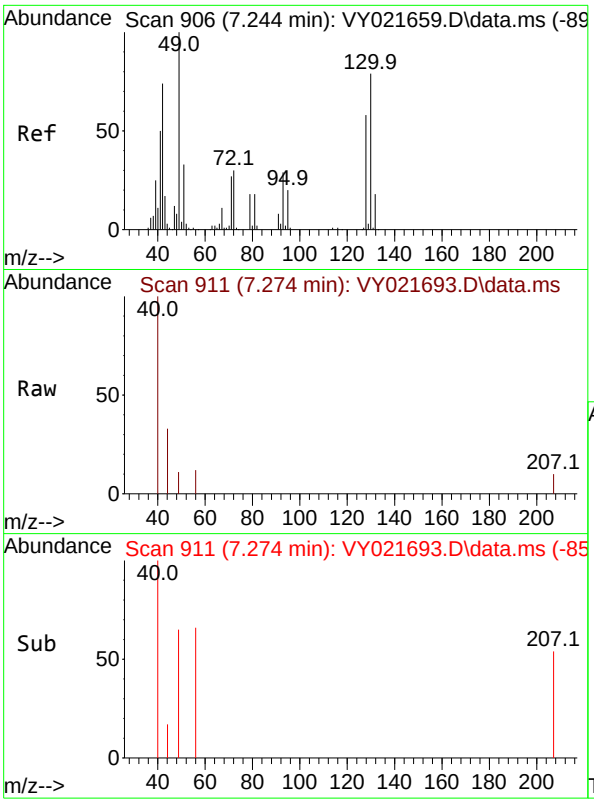


#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 84 Resp: 42

Ion	Ratio	Lower	Upper
84	100		
49	126.2	102.8	154.2
51	0.0	33.5	50.3#
86	86.9	52.0	78.0#



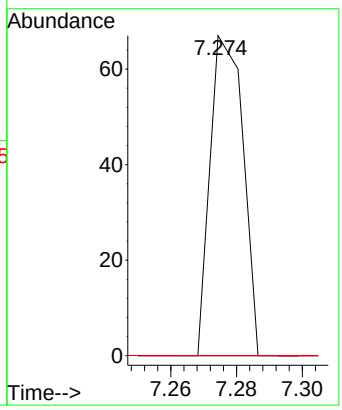


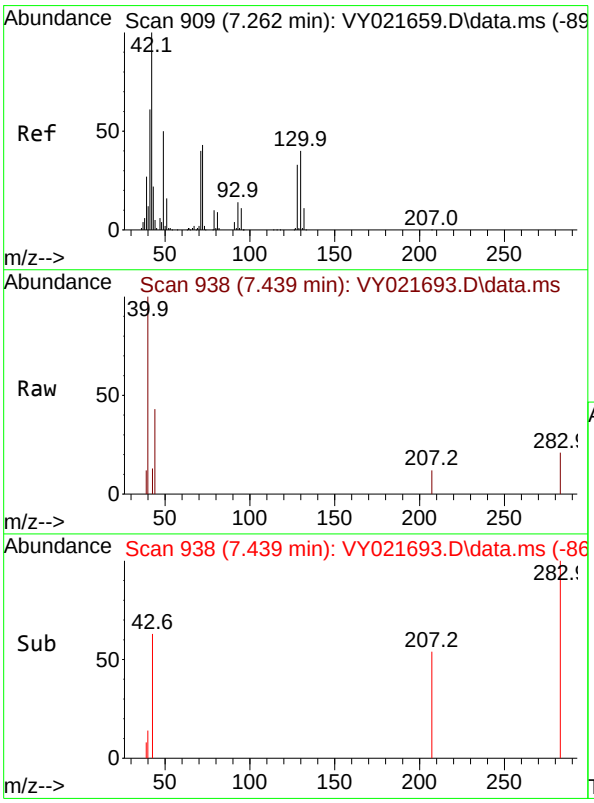
#28
Bromochloromethane
Concen: 1.605 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.031 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 49 Resp: 46

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	0.0	60.1	90.1#

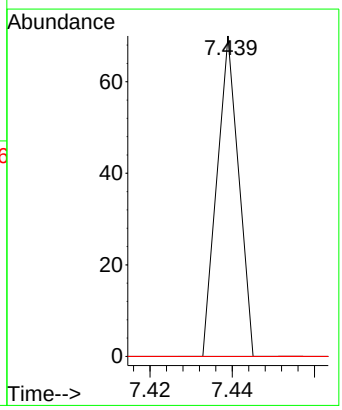


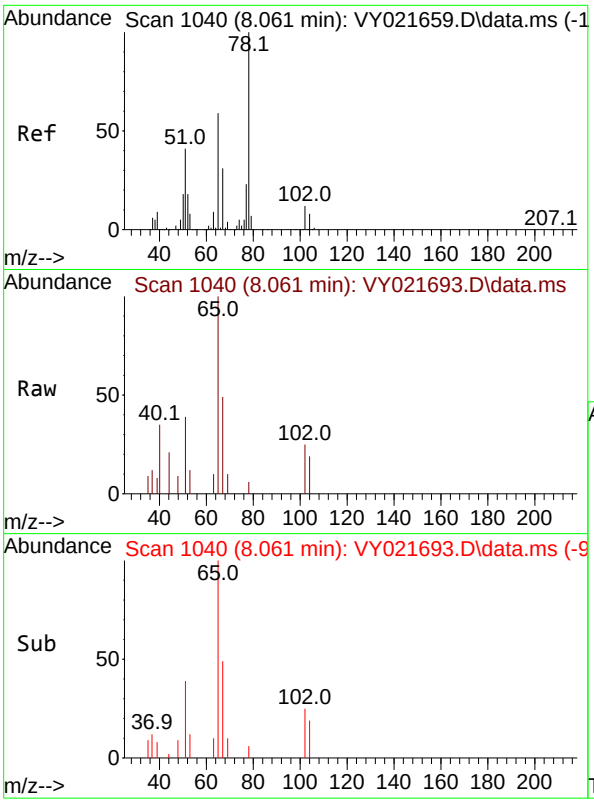


#29
Tetrahydrofuran
Concen: 3.937 ug/l
RT: 7.439 min Scan# 938
Delta R.T. 0.177 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 42 Resp: 26

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	52.0#
71	0.0	32.5	48.7#



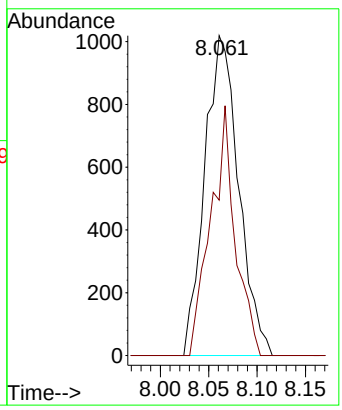


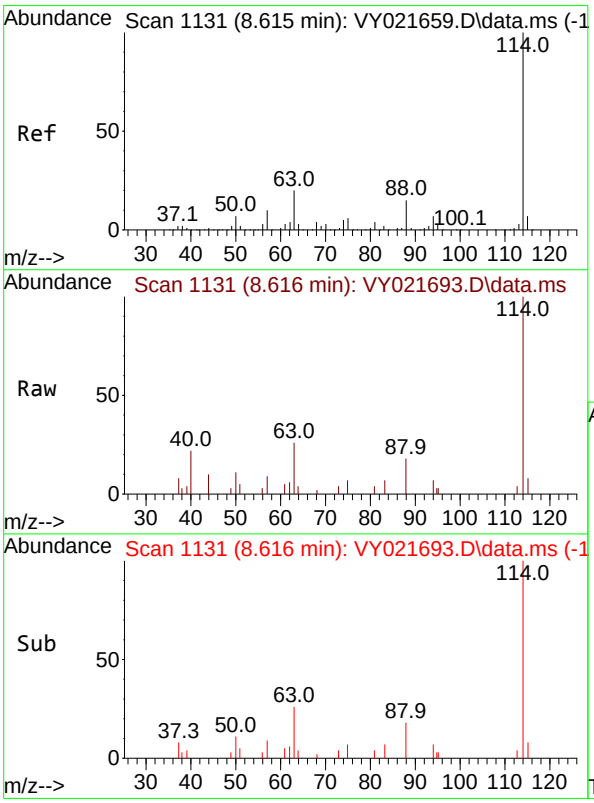
#33
1,2-Dichloroethane-d4
Concen: 70.675 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 65 Resp: 2481

Ion	Ratio	Lower	Upper
65	100		
67	56.5	0.0	104.6

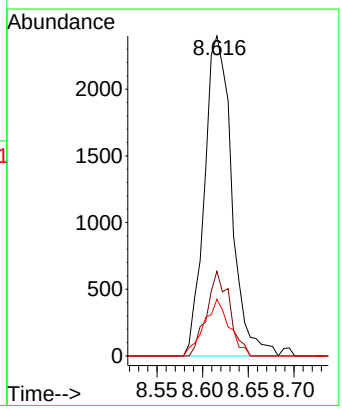


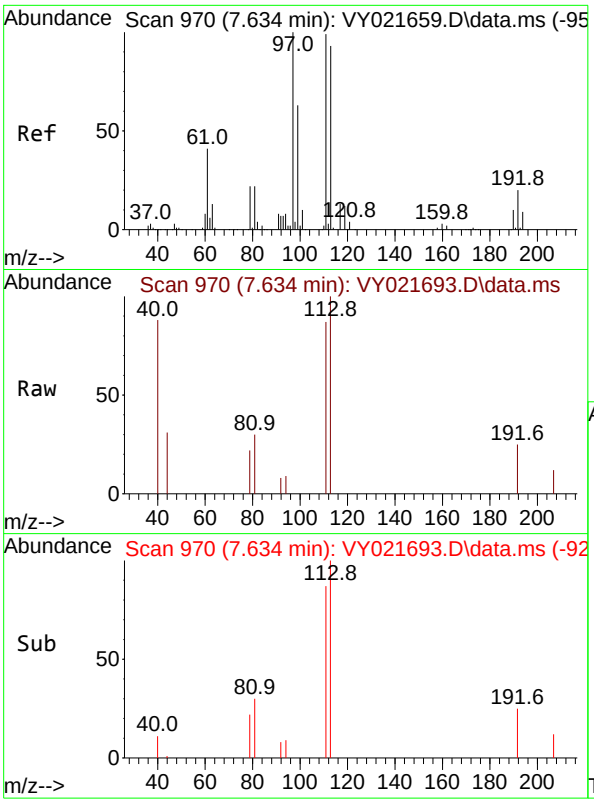


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion:114 Resp: 4969

Ion	Ratio	Lower	Upper
114	100		
63	26.5	0.0	40.2
88	17.7	0.0	29.8



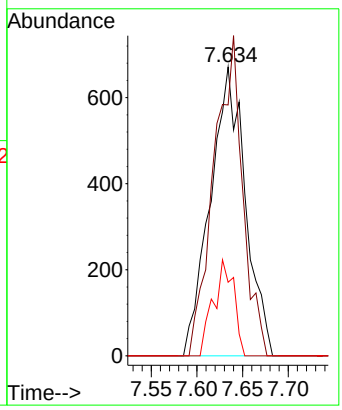


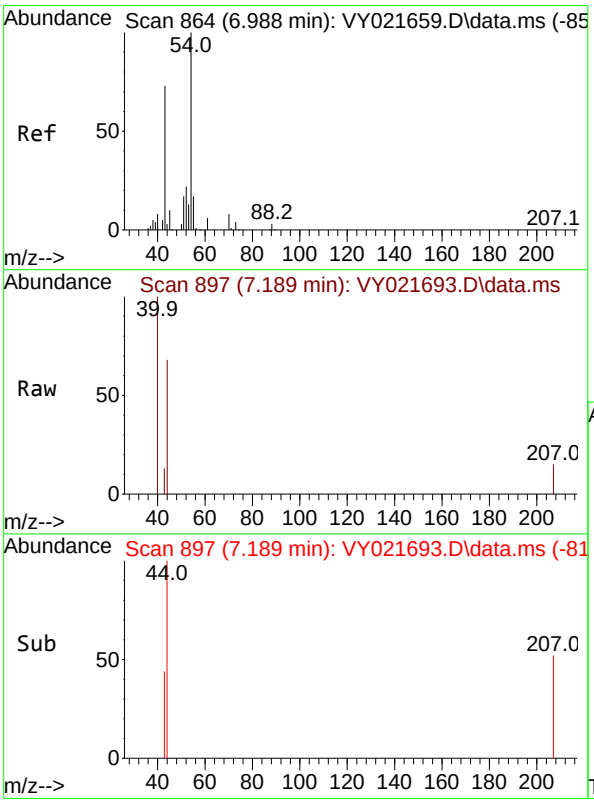
#35
Dibromofluoromethane
Concen: 55.657 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:113 Resp: 1794

Ion	Ratio	Lower	Upper
113	100		
111	90.9	82.6	123.8
192	19.3	16.2	24.4

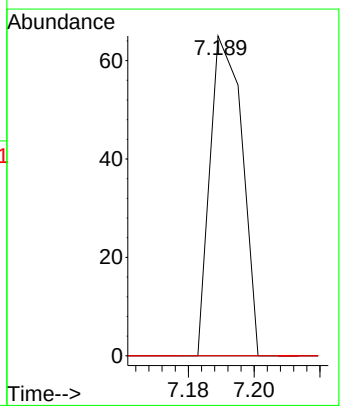


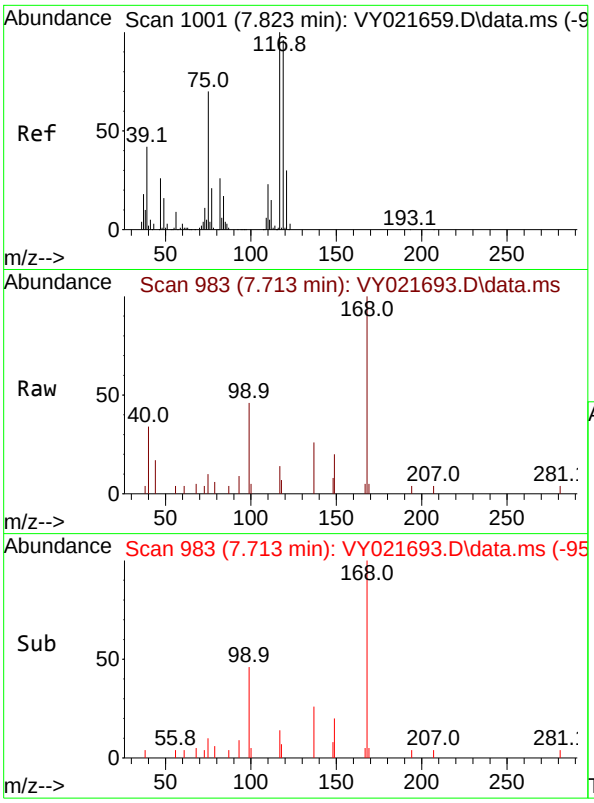


#37
Ethyl Acetate
Concen: 1.899 ug/l
RT: 7.189 min Scan# 897
Delta R.T. 0.201 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 43 Resp: 44

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	8.1	12.1#



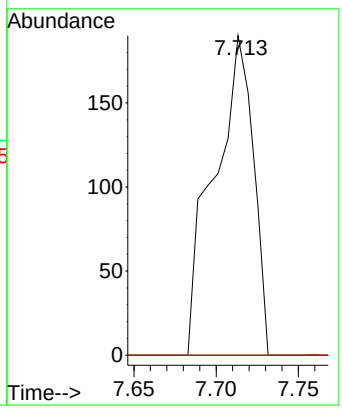


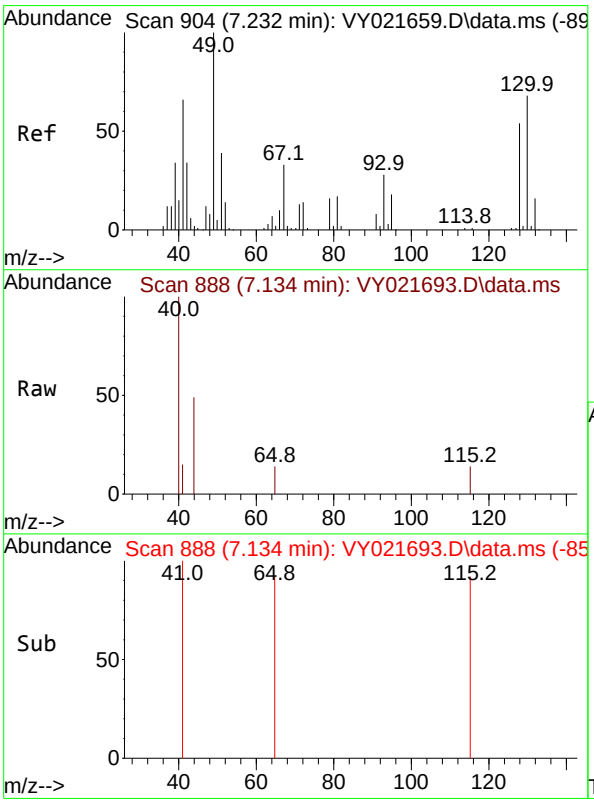
#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.110 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:117 Resp: 316

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

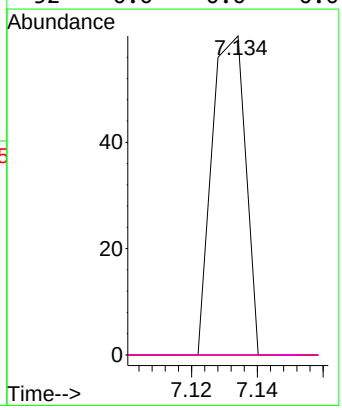


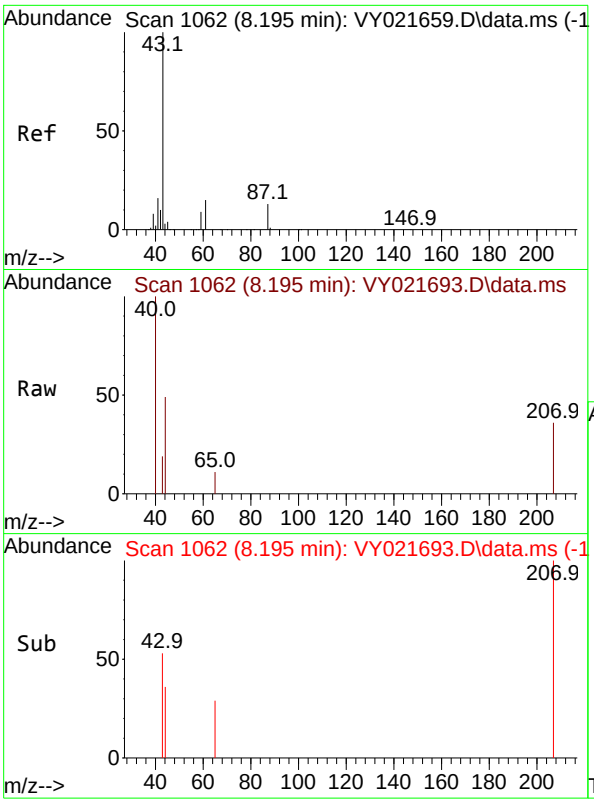


#41
Methacrylonitrile
Concen: 3.413 ug/l
RT: 7.134 min Scan# 888
Delta R.T. -0.097 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 41 Resp: 42

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



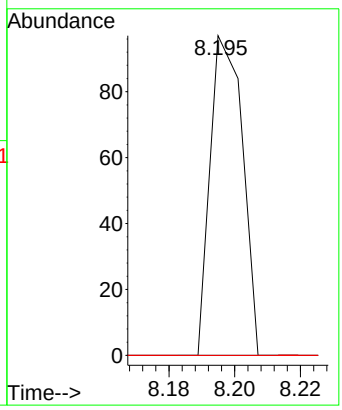


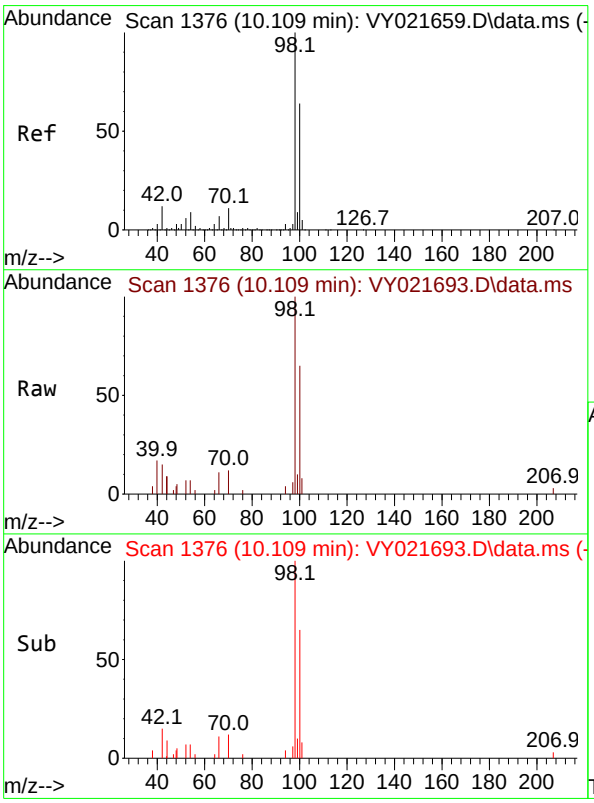
#43
Isopropyl Acetate
Concen: 1.503 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 43 Resp: 66

Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.9	23.9#
87	0.0	10.4	15.6#

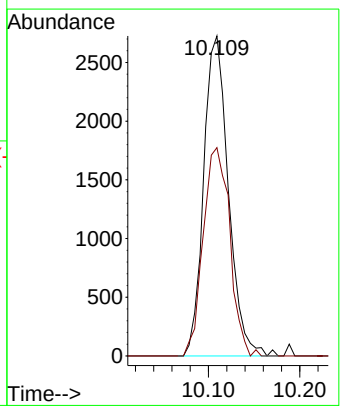


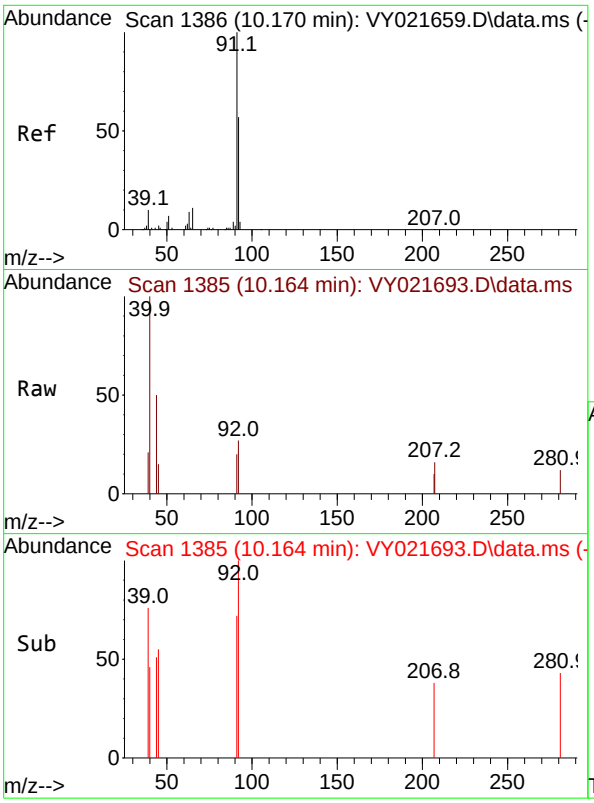


#50
Toluene-d8
Concen: 41.770 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 98 Resp: 5122

Ion	Ratio	Lower	Upper
98	100		
100	70.0	52.1	78.1



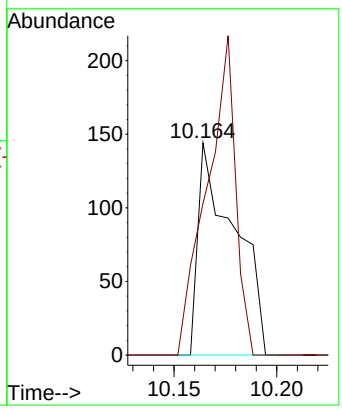


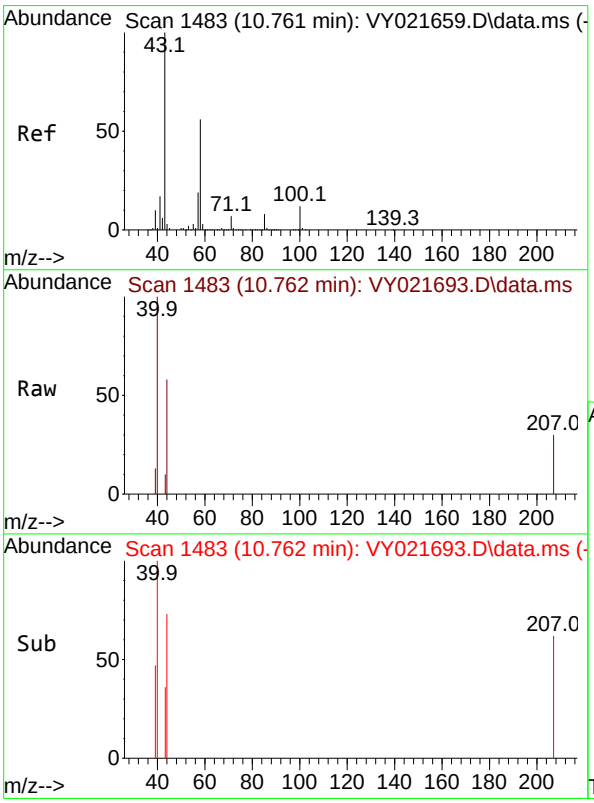
#52
Toluene
Concen: 1.940 ug/l
RT: 10.164 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 92 Resp: 178

Ion	Ratio	Lower	Upper
92	100		
91	118.0	138.6	207.8#

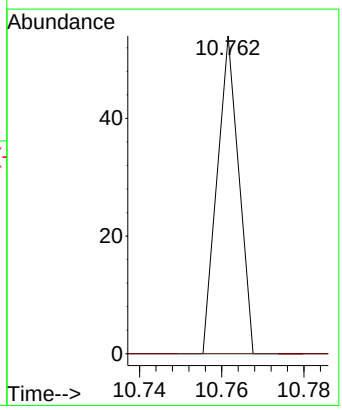


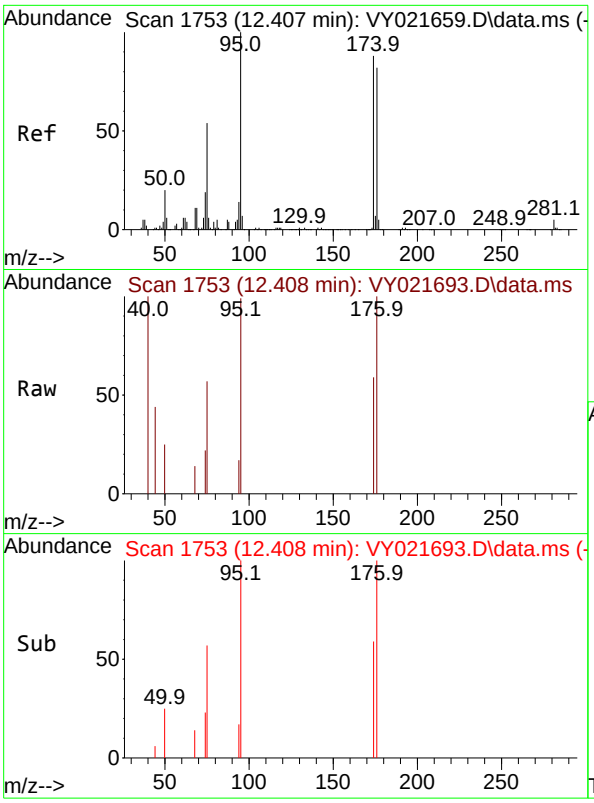


#59
2-Hexanone
Concen: 1.314 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 43 Resp: 20

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.2	81.5#



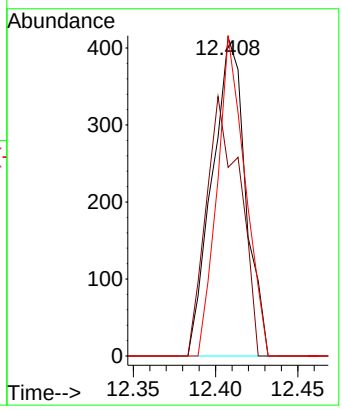


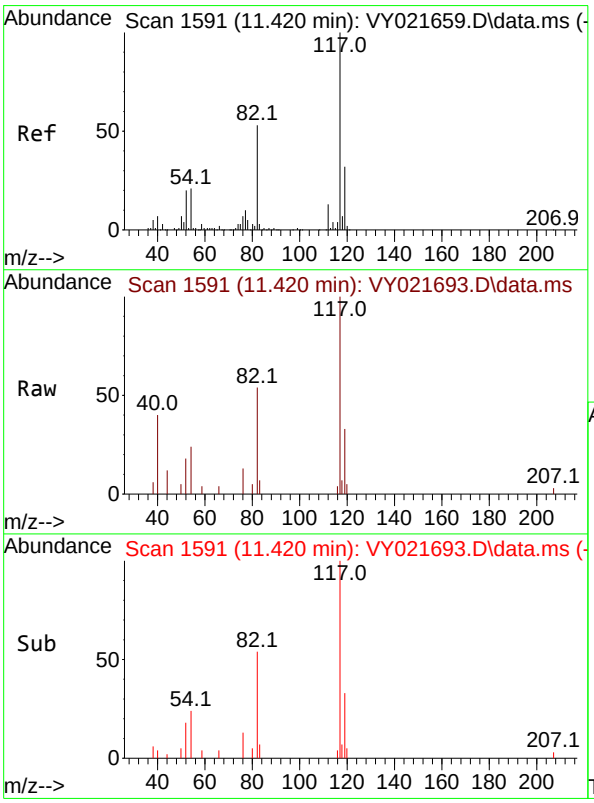
#62
4-Bromofluorobenzene
Concen: 14.104 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 95 Resp: 585

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	170.8
176	83.8	0.0	162.0

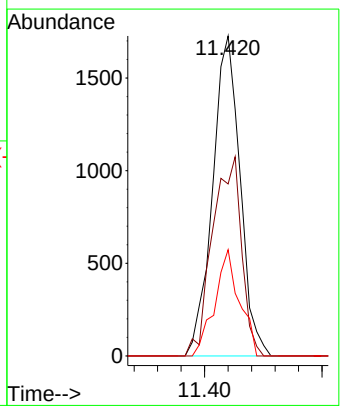


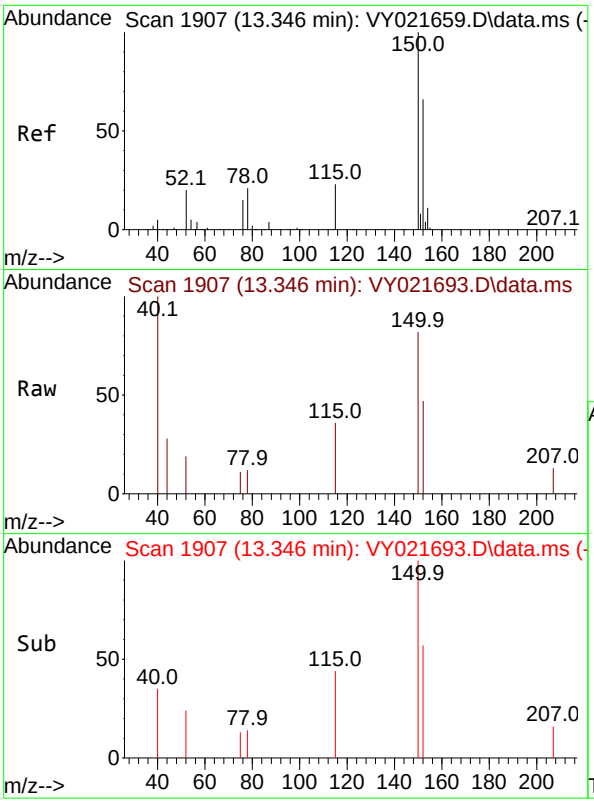


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion:117 Resp: 2810

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	33.2	25.7	38.5



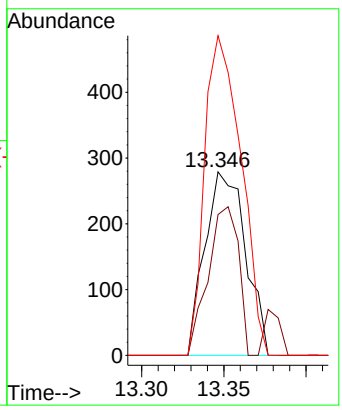


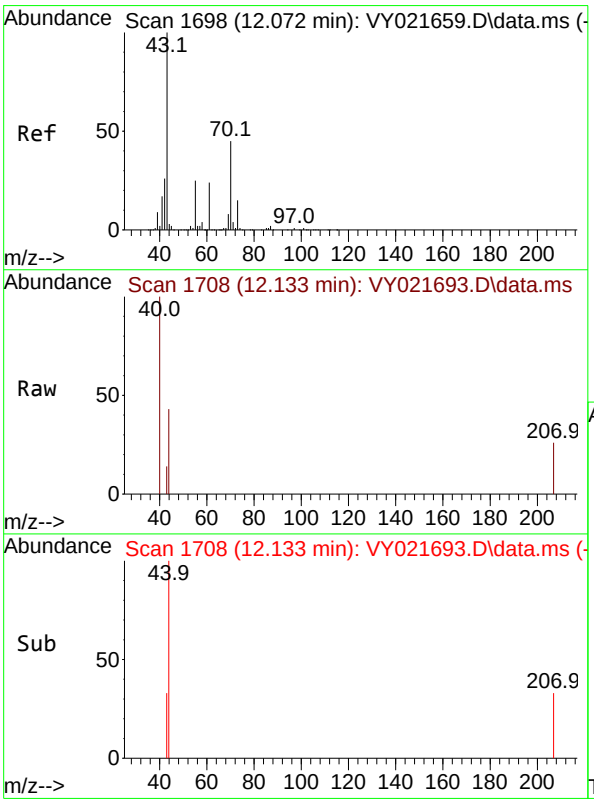
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:152 Resp: 479

Ion	Ratio	Lower	Upper
152	100		
115	61.0	28.8	86.5
150	156.4	0.0	348.4

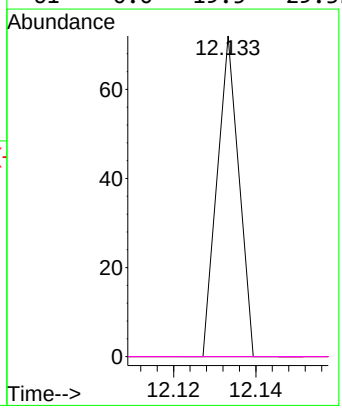


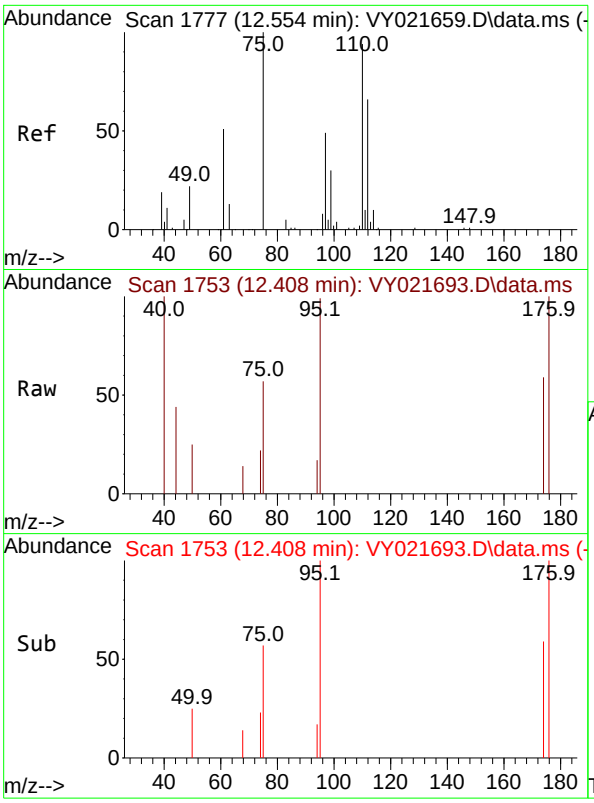


#74
N-amyl acetate
Concen: 3.114 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. 0.061 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 43 Resp: 26

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#



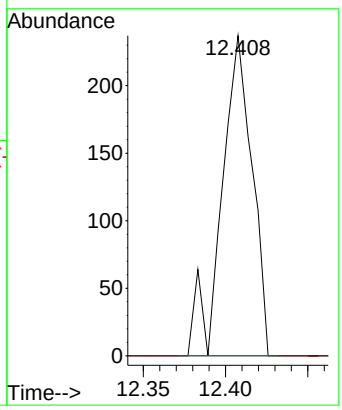


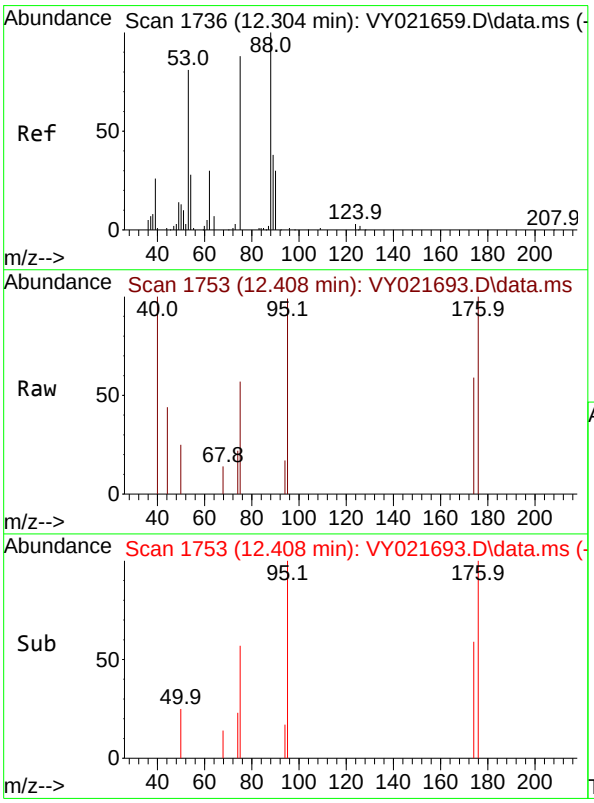
#76
1,2,3-Trichloropropane
Concen: 64.236 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.146 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion: 75 Resp: 305

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

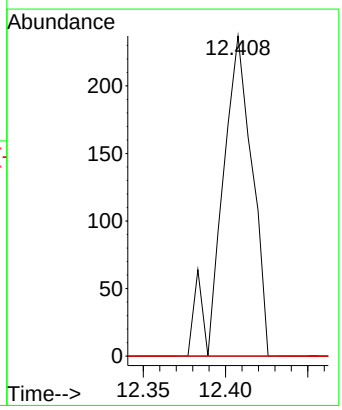


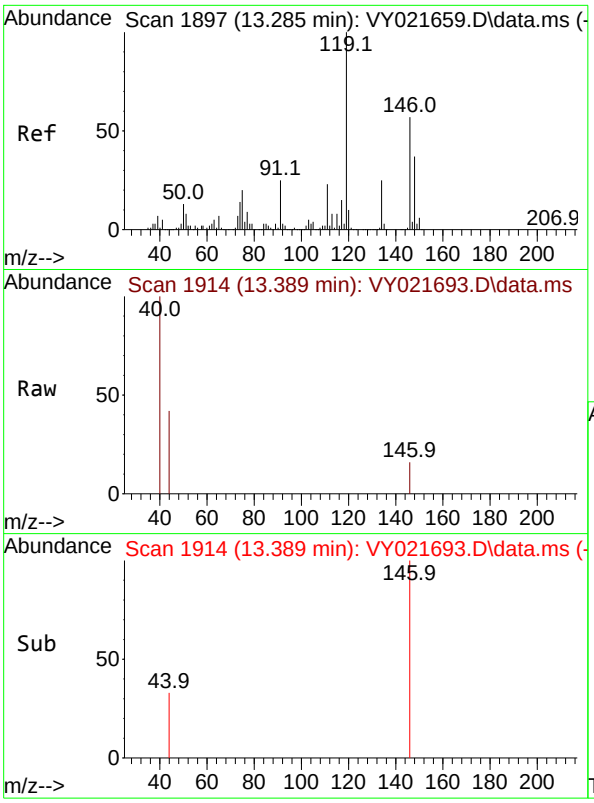


#81
trans-1,4-Dichloro-2-butene
Concen: 148.010 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 75 Resp: 305

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



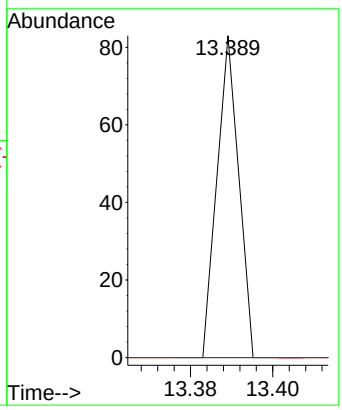


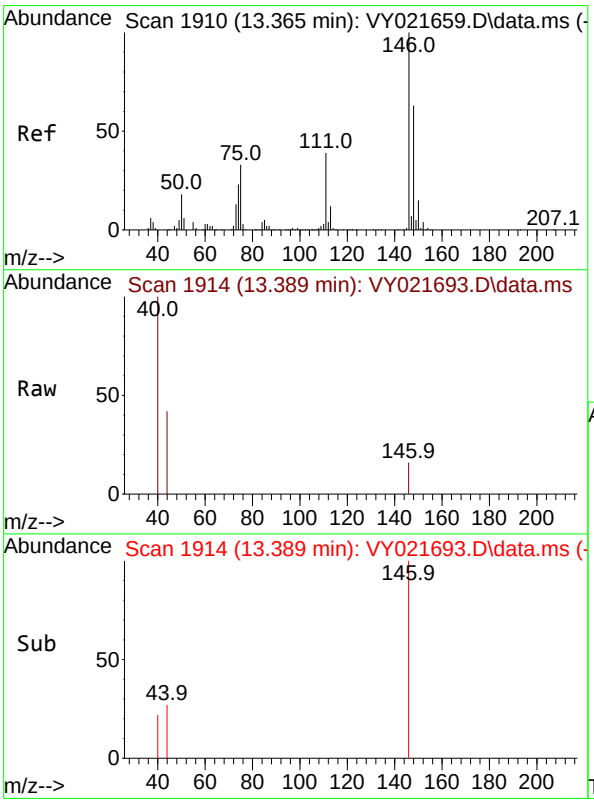
#87
1,3-Dichlorobenzene
Concen: 1.783 ug/l
RT: 13.389 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:146 Resp: 30

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	31.8	95.4#

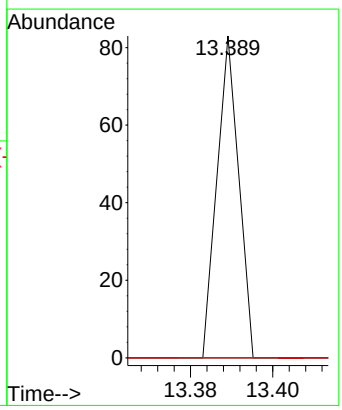


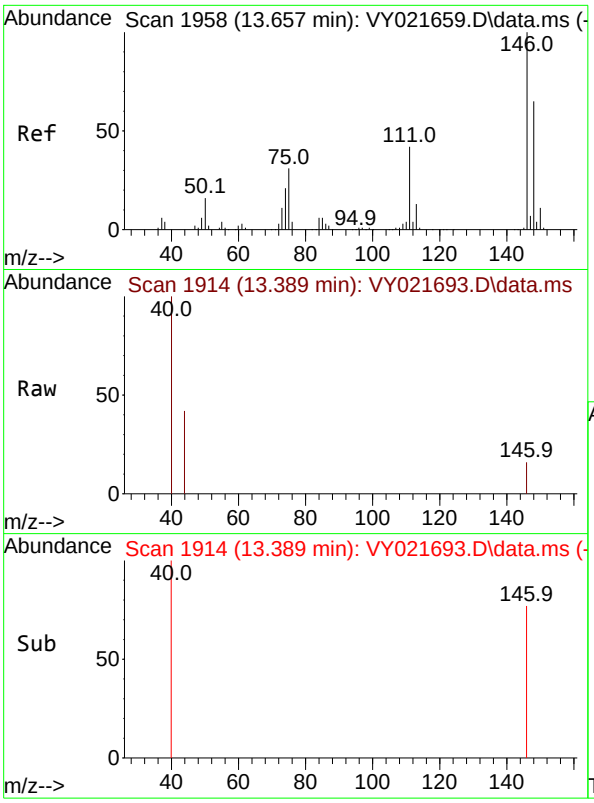


#88
1,4-Dichlorobenzene
Concen: 1.804 ug/l
RT: 13.389 min Scan# 1914
Delta R.T. 0.024 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion:146 Resp: 30

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.1	57.1#
148	0.0	31.5	94.5#



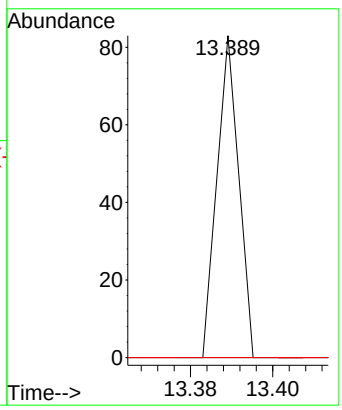


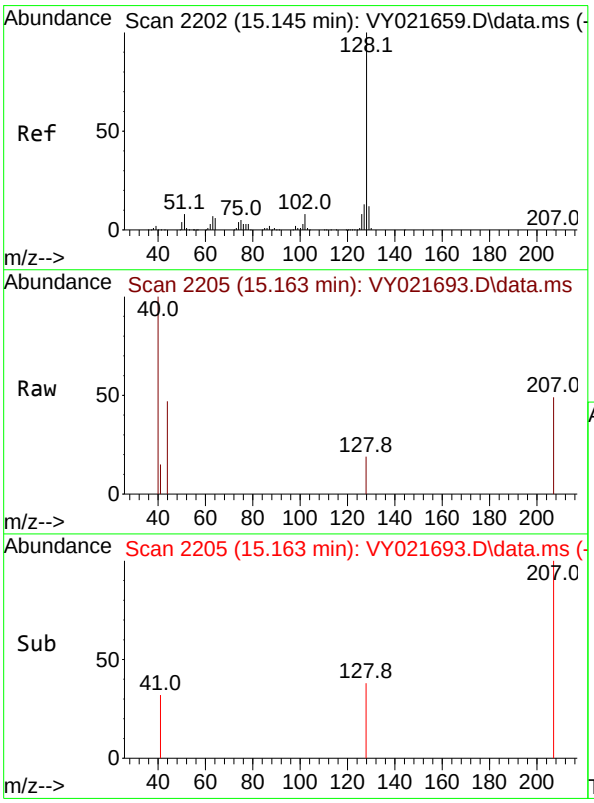
#91
1,2-Dichlorobenzene
Concen: 2.048 ug/l
RT: 13.389 min Scan# 1
Delta R.T. -0.268 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:146 Resp: 30

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





#95
Naphthalene
Concen: 2.050 ug/l
RT: 15.163 min Scan# 2205
Delta R.T. 0.018 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion:128 Resp: 27

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