Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022083.D
Acq On : 30 Apr 2025 15:11
Operator : SY/MD
Sample : Q1883-13
Misc : 14.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 01 01:36:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.762	168	1596	50.000	ug/l	# 0.06
34) 1,4-Difluorobenzene	8.670	114	351	50.000	ug/l	0.05
63) Chlorobenzene-d5	11.438	117	11840	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.346	152	1424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.207	65	182	12.346	ug/l	0.15
Spiked Amount 50.000	Range 50 - 163		Recovery = 24.700%#			
35) Dibromofluoromethane	7.793	113	69	29.756	ug/l	0.16
Spiked Amount 50.000	Range 54 - 147		Recovery = 59.520%			
50) Toluene-d8	10.121	98	2980	340.875	ug/l	0.02
Spiked Amount 50.000	Range 58 - 134		Recovery = 681.740%#			
62) 4-Bromofluorobenzene	12.426	95	2048	695.892	ug/l	0.02
Spiked Amount 50.000	Range 30 - 143		Recovery = 1391.780%#			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	67	3.460	ug/l #	42
4) Vinyl Chloride	2.196	62	98	4.118	ug/l #	43
5) Bromomethane	2.623	94	58	2.829	ug/l #	3
6) Chloroethane	2.745	64	117	7.220	ug/l #	1
12) 1,1-Dichloroethene	3.836	96	70	4.412	ug/l #	1
14) Allyl chloride	4.385	41	50	2.706	ug/l #	20
15) Acrylonitrile	5.098	53	19	6.355	ug/l #	18
16) Acetone	3.885	43	41	Below Cal #		41
18) Methyl Acetate	4.574	43	35	5.083	ug/l #	44
19) Methyl tert-butyl Ether	5.098	73	51	1.436	ug/l #	55
21) trans-1,2-Dichloroethene	5.067	96	44	2.476	ug/l #	3
23) Vinyl Acetate	5.970	43	25	1.128	ug/l #	66
25) 2-Butanone	6.969	43	22	6.547	ug/l #	41
27) cis-1,2-Dichloroethene	6.805	96	99	4.983	ug/l #	1
36) 1,1-Dichloropropene	7.884	75	44	14.126	ug/l #	39
37) Ethyl Acetate	6.969	43	22	19.665	ug/l #	64
38) Carbon Tetrachloride	7.890	117	52	13.971	ug/l #	12
39) Methylcyclohexane	9.243	83	29	7.398	ug/l #	23
41) Methacrylonitrile	7.085	41	25	40.880	ug/l #	20
47) Bromodichloromethane	9.243	83	29	8.612	ug/l #	25
51) 4-Methyl-2-Pentanone	10.201	43	48	42.620	ug/l #	31
59) 2-Hexanone	10.719	43	23	30.962	ug/l #	18
76) 1,2,3-Trichloropropane	12.414	75	1194	97.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	1194	235.736	ug/l #	16

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

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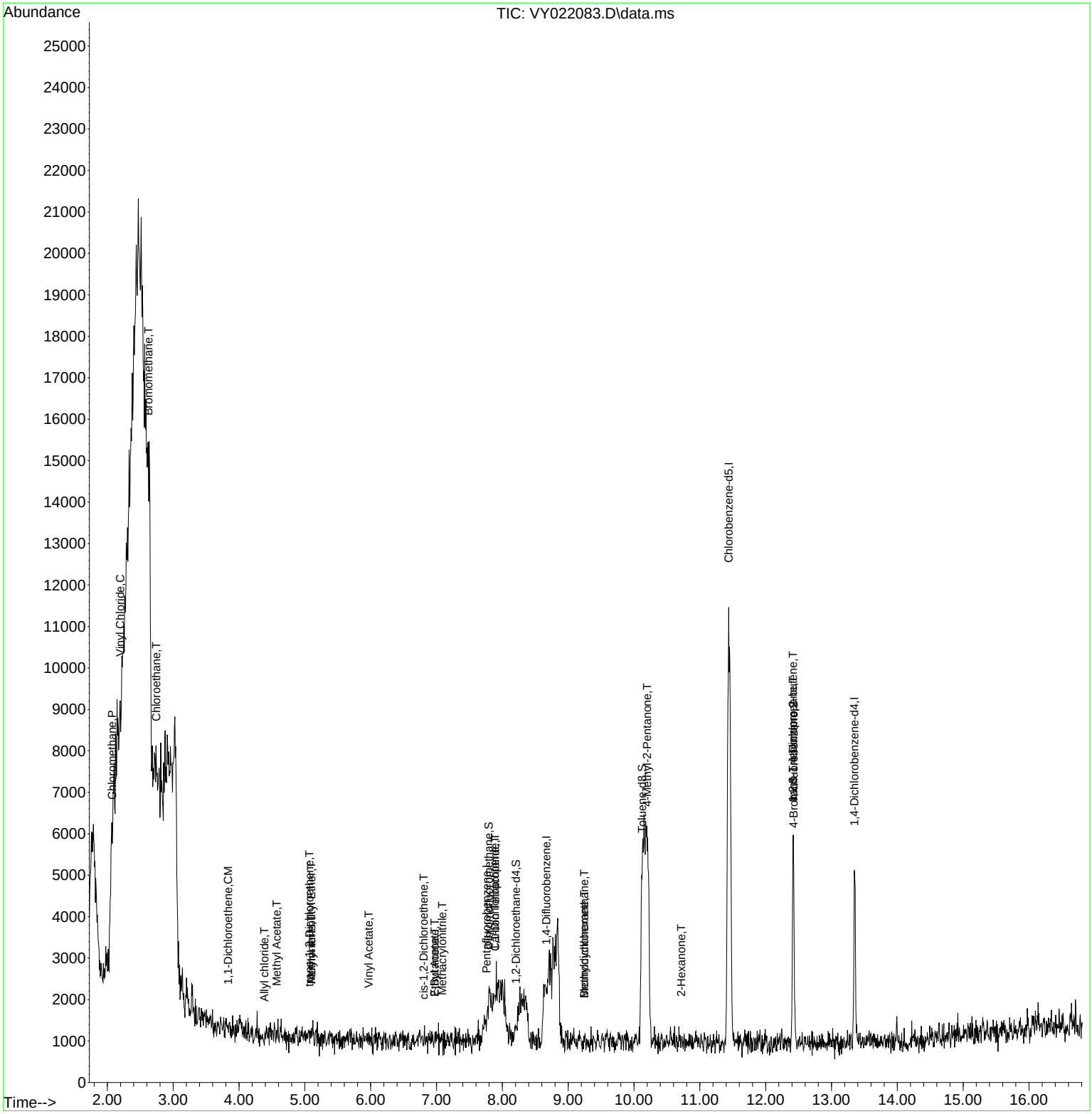
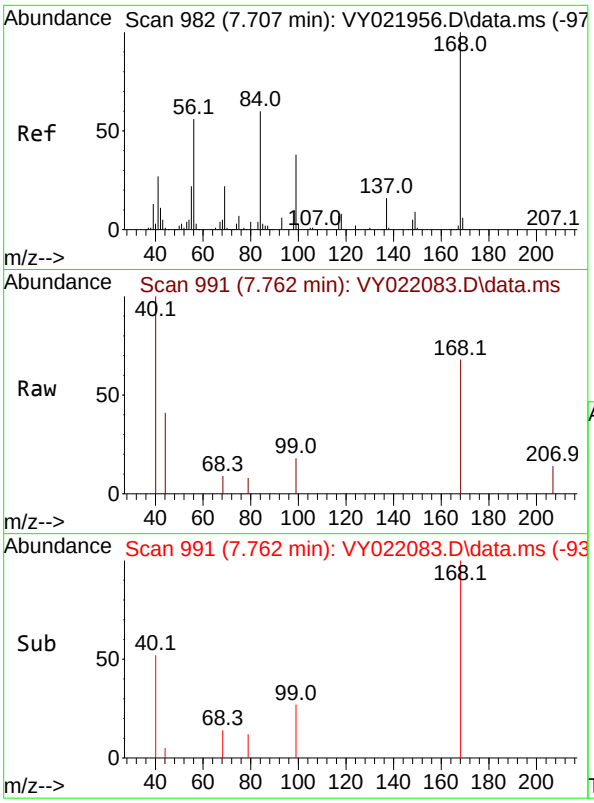
Operator : SY/MD
Sample : Q1883-13
Misc : 14.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 01 01:36:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



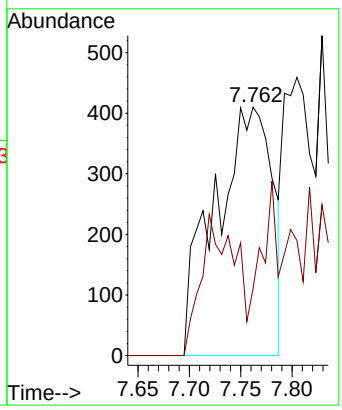


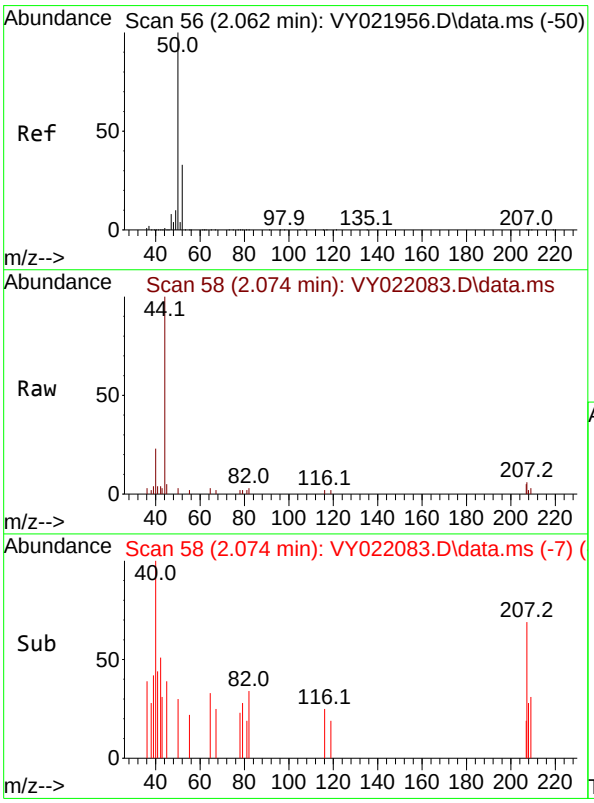
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.762 min Scan# 9
Delta R.T. 0.055 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:168 Resp: 1596

Ion	Ratio	Lower	Upper
168	100		
99	27.1	43.1	64.7#

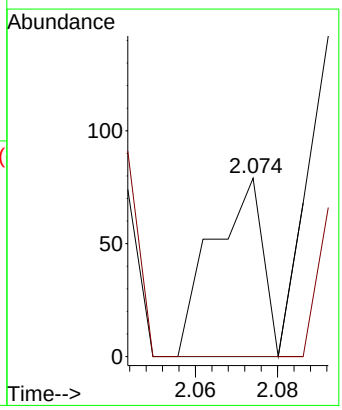


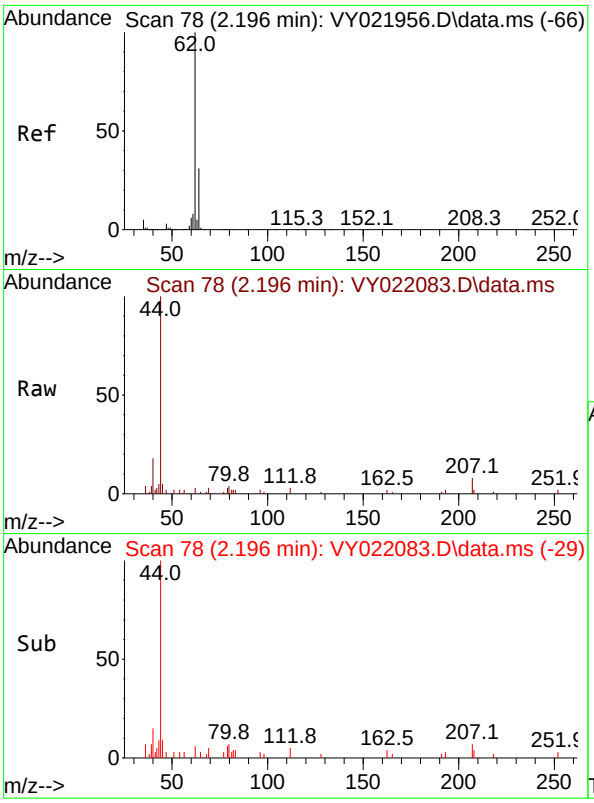


#3
Chloromethane
Concen: 3.460 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 50 Resp: 67

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.1	39.1#



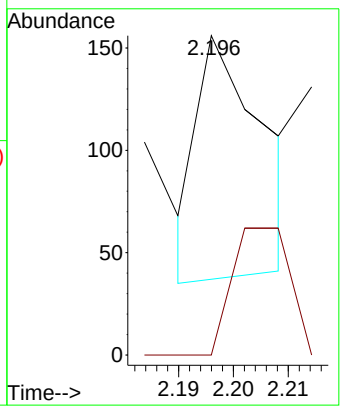


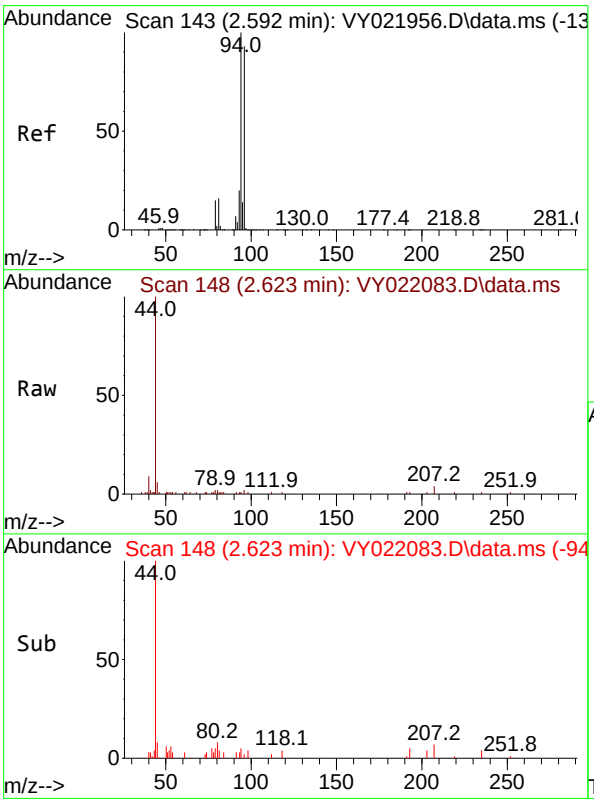
#4
Vinyl Chloride
Concen: 4.118 ug/l
RT: 2.196 min Scan# 7
Delta R.T. -0.000 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 62 Resp: 98

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.1	37.7#

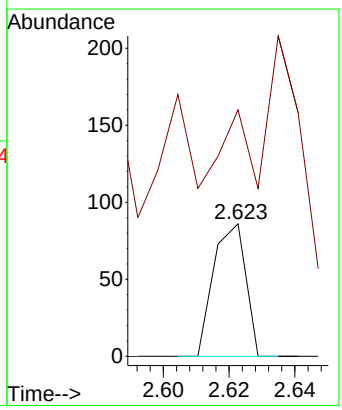


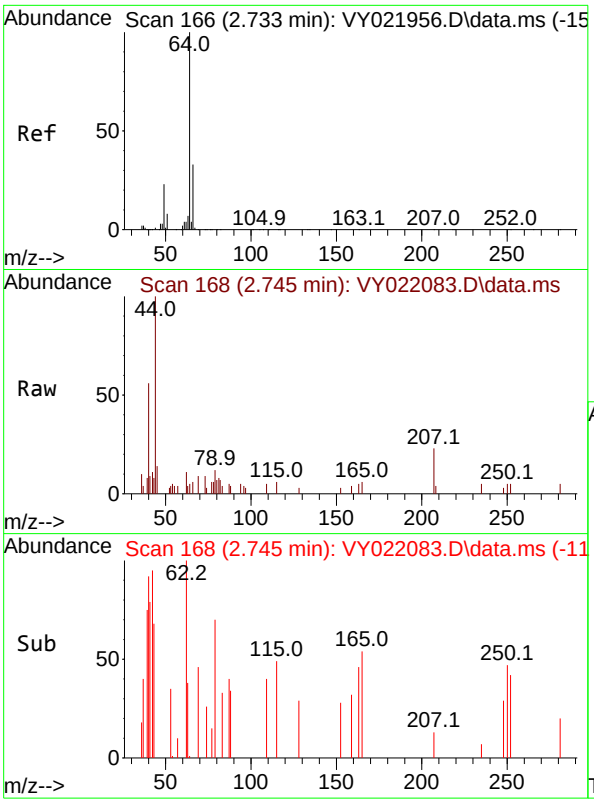


#5
Bromomethane
Concen: 2.829 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.030 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 94 Resp: 58

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.6	111.8#



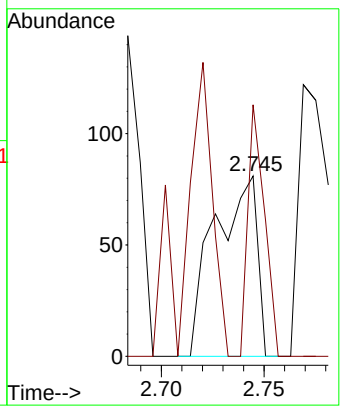


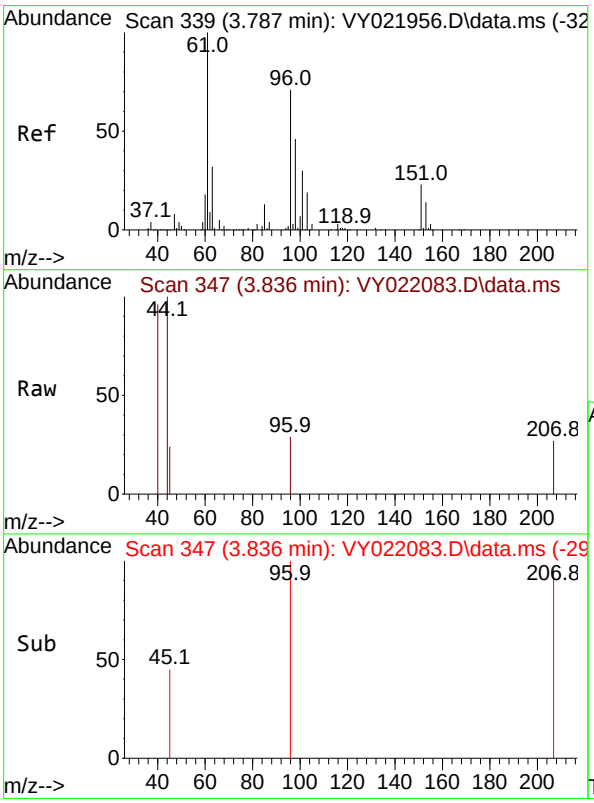
#6
Chloroethane
Concen: 7.220 ug/l
RT: 2.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 64 Resp: 117

Ion	Ratio	Lower	Upper
64	100		
66	139.5	26.2	39.4#

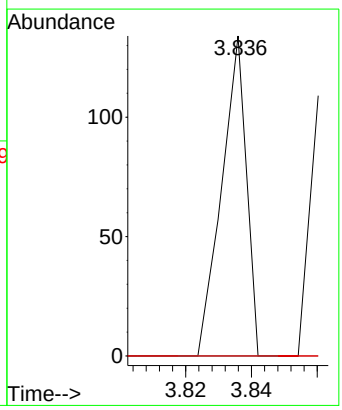


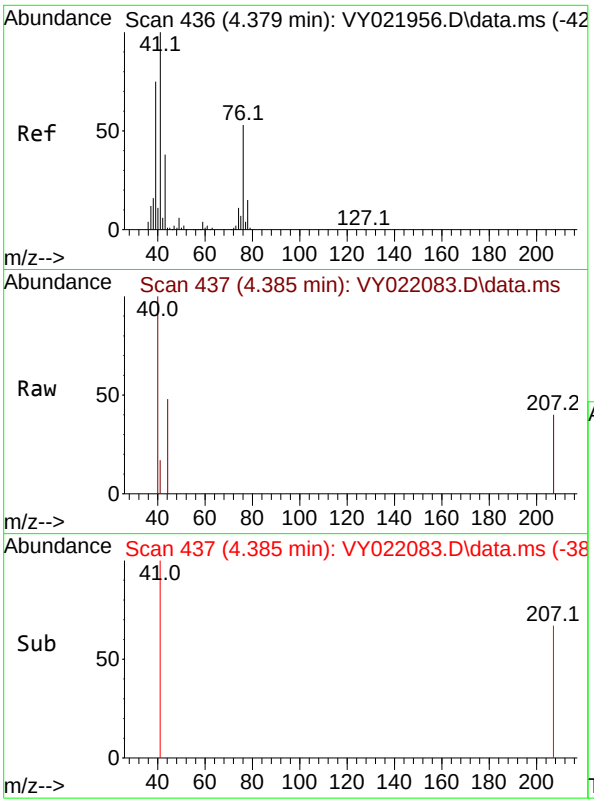


#12
1,1-Dichloroethene
Concen: 4.412 ug/l
RT: 3.836 min Scan# 347
Delta R.T. 0.049 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 96 Resp: 70

Ion	Ratio	Lower	Upper
96	100		
61	0.0	113.0	169.4#
98	0.0	51.4	77.2#



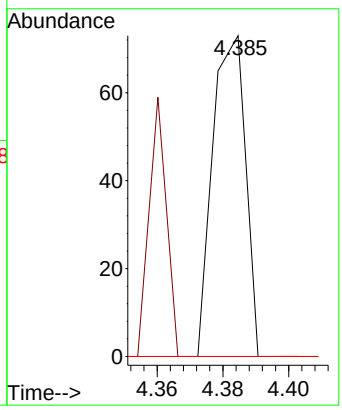


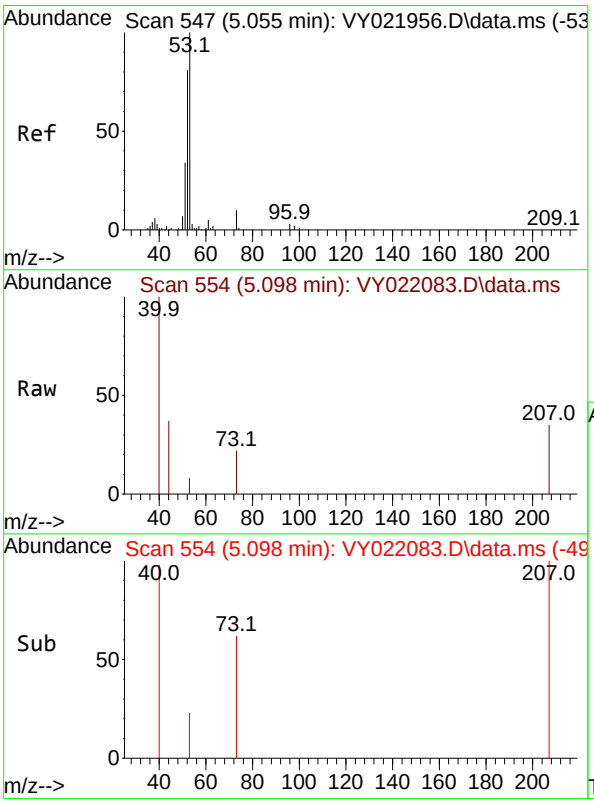
#14
Allyl chloride
Concen: 2.706 ug/l
RT: 4.385 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 41 Resp: 50

Ion	Ratio	Lower	Upper
41	100		
39	0.0	57.2	85.8#
76	0.0	39.7	59.5#

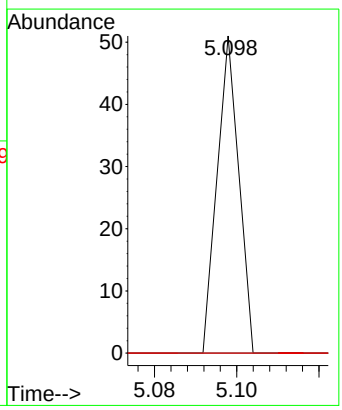


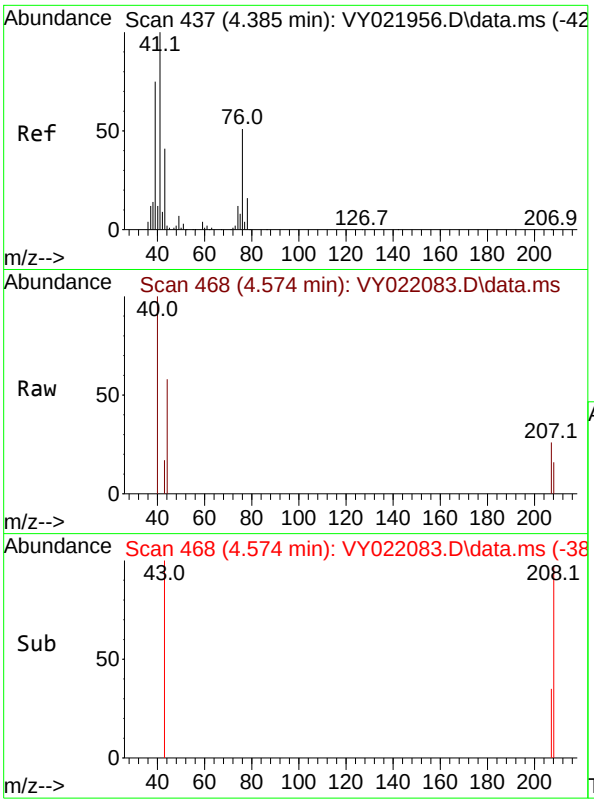


#15
Acrylonitrile
Concen: 6.355 ug/l
RT: 5.098 min Scan# 554
Delta R.T. 0.043 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 53 Resp: 19

Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.0	97.6#
51	0.0	28.9	43.3#



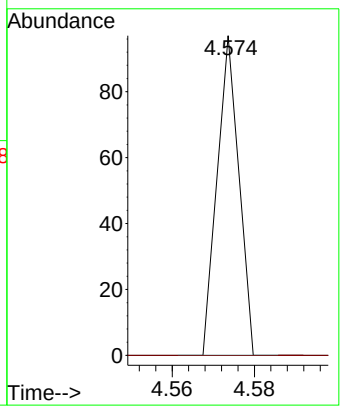


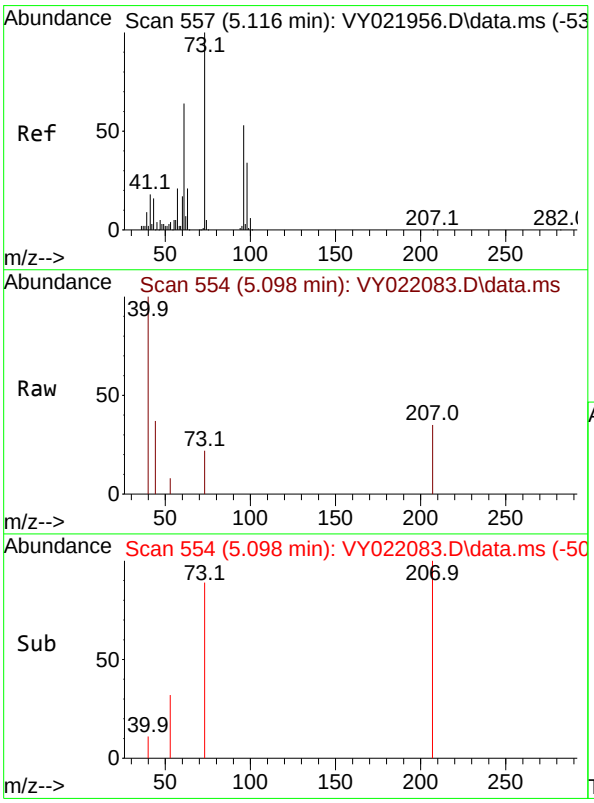
#18
Methyl Acetate
Concen: 5.083 ug/l
RT: 4.574 min Scan# 4
Delta R.T. 0.189 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 43 Resp: 35

Ion	Ratio	Lower	Upper
43	100		
74	0.0	24.2	36.4#

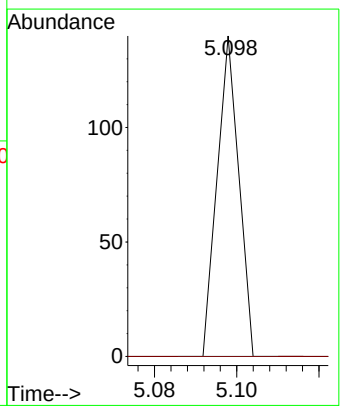


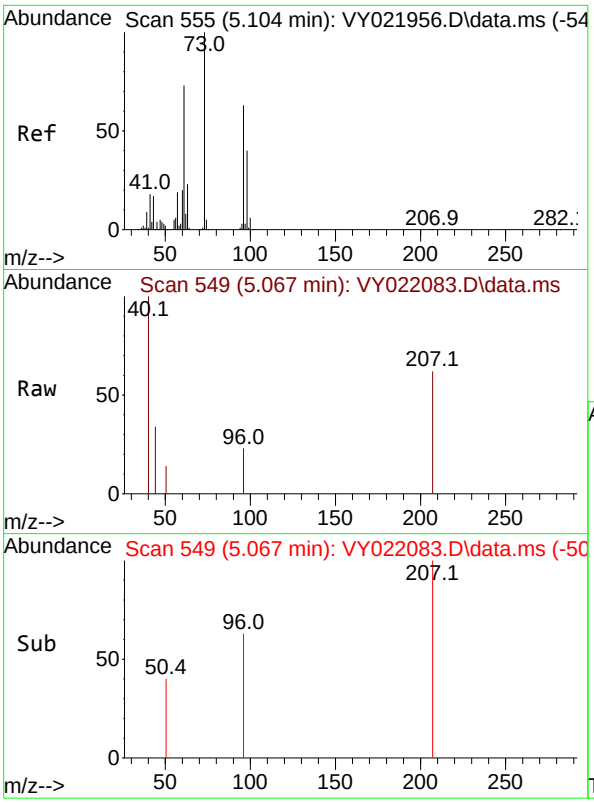


#19
Methyl tert-butyl Ether
Concen: 1.436 ug/l
RT: 5.098 min Scan# 554
Delta R.T. -0.018 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 73 Resp: 51

Ion	Ratio	Lower	Upper
73	100		
57	0.0	16.9	25.3#



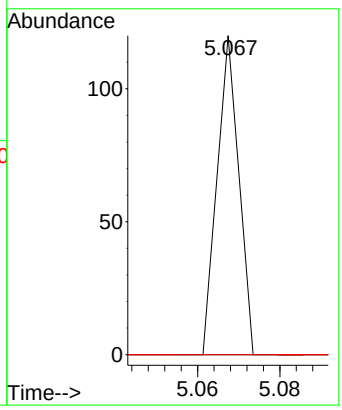


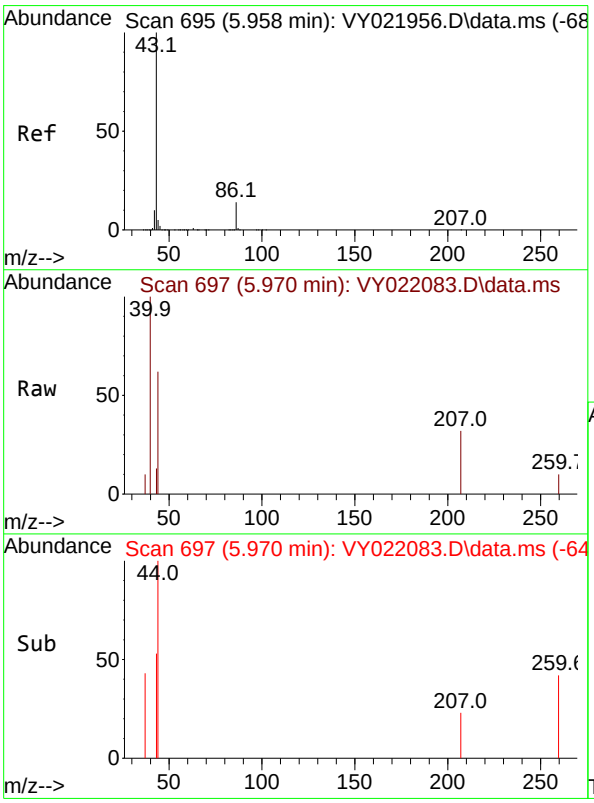
#21
trans-1,2-Dichloroethene
Concen: 2.476 ug/l
RT: 5.067 min Scan# 54
Delta R.T. -0.037 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 96 Resp: 44

Ion	Ratio	Lower	Upper
96	100		
61	0.0	92.6	138.8#
98	0.0	50.2	75.4#

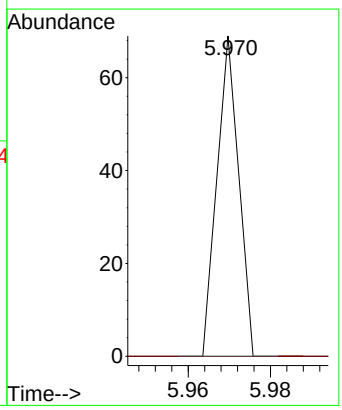


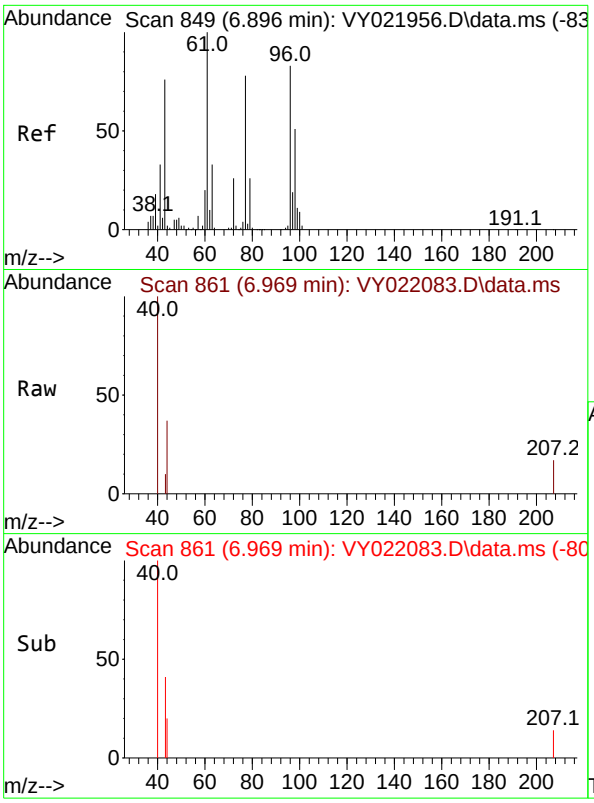


#23
Vinyl Acetate
Concen: 1.128 ug/l
RT: 5.970 min Scan# 697
Delta R.T. 0.012 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 43 Resp: 25

Ion	Ratio	Lower	Upper
43	100		
86	0.0	11.1	16.7#



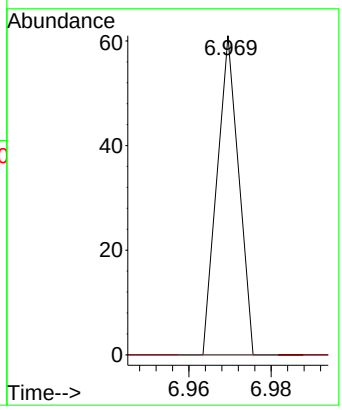


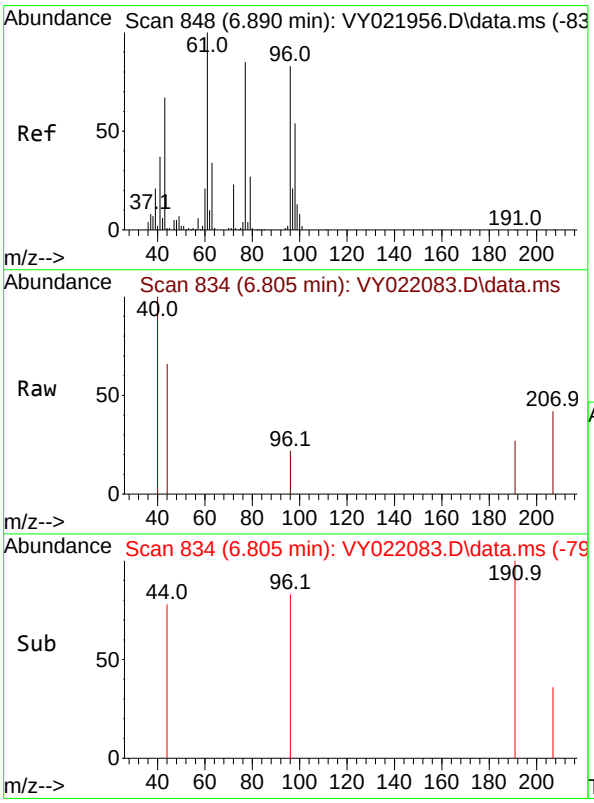
#25
2-Butanone
Concen: 6.547 ug/l
RT: 6.969 min Scan# 8
Delta R.T. 0.073 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.0	40.4#

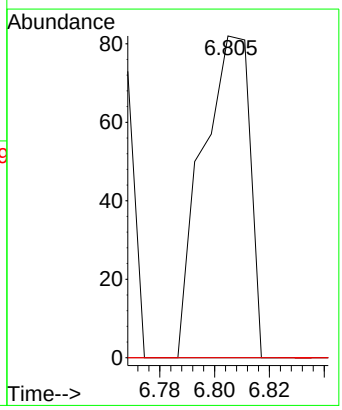


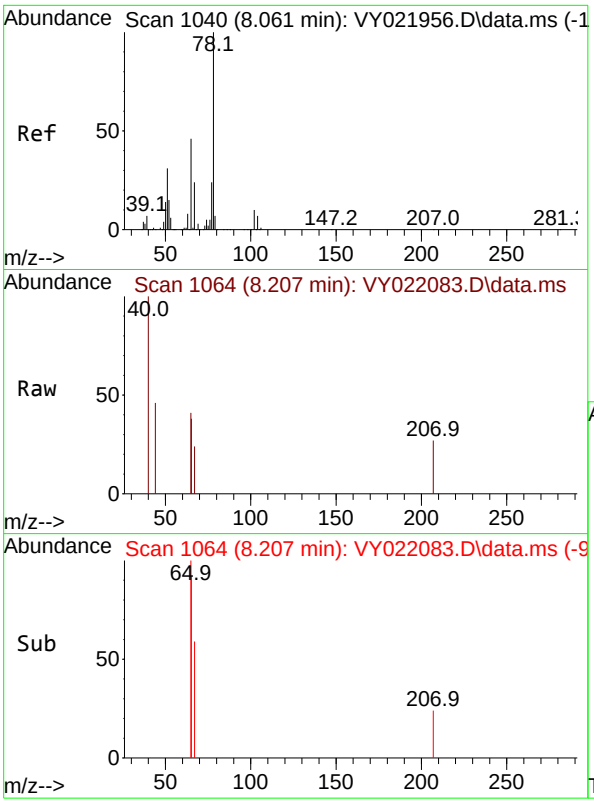


#27
cis-1,2-Dichloroethene
Concen: 4.983 ug/l
RT: 6.805 min Scan# 834
Delta R.T. -0.085 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 96 Resp: 99

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	251.4
98	0.0	0.0	128.4



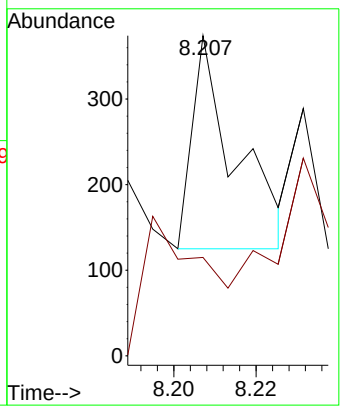


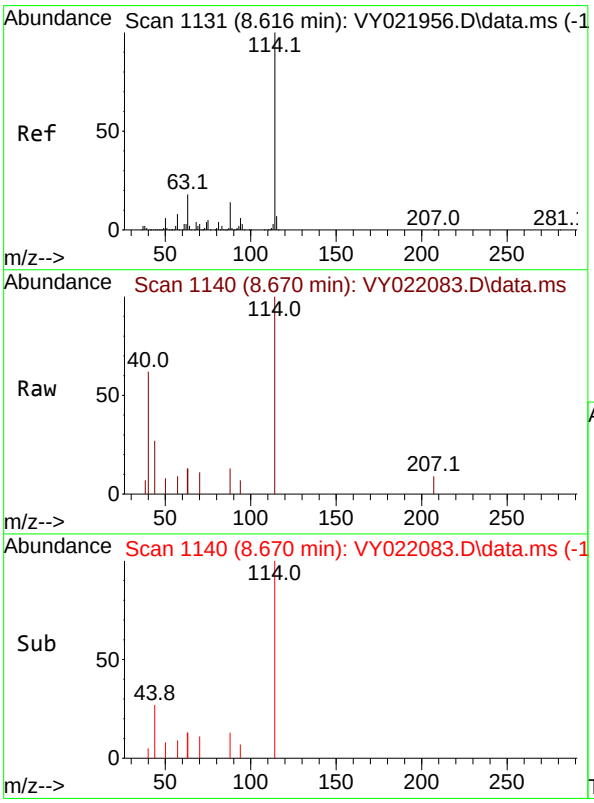
#33
1,2-Dichloroethane-d4
Concen: 12.346 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.146 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 65 Resp: 182

Ion	Ratio	Lower	Upper
65	100		
67	94.5	0.0	105.8

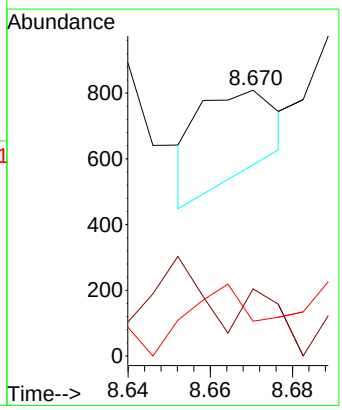


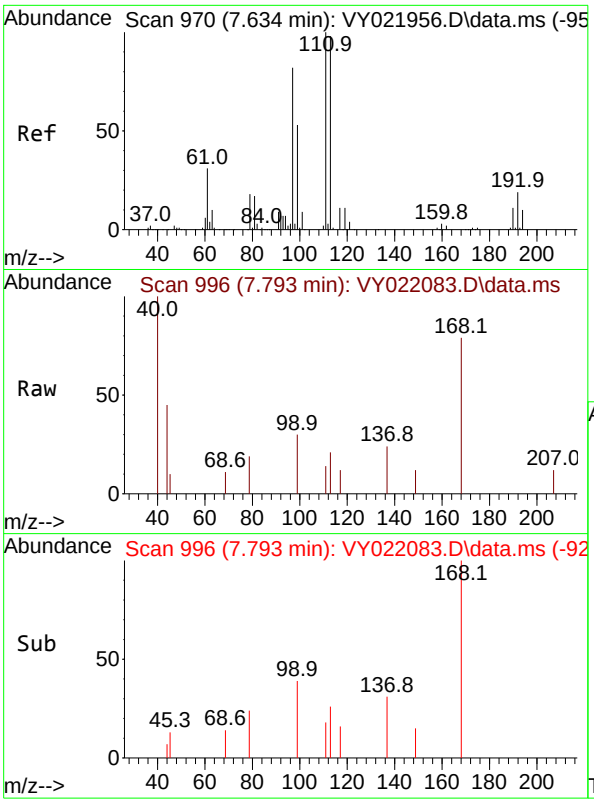


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.670 min Scan# 1140
Delta R.T. 0.055 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion:114 Resp: 351

Ion	Ratio	Lower	Upper
114	100		
63	27.5	0.0	35.4
88	0.0	0.0	28.2



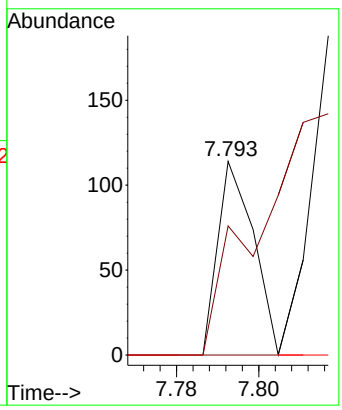


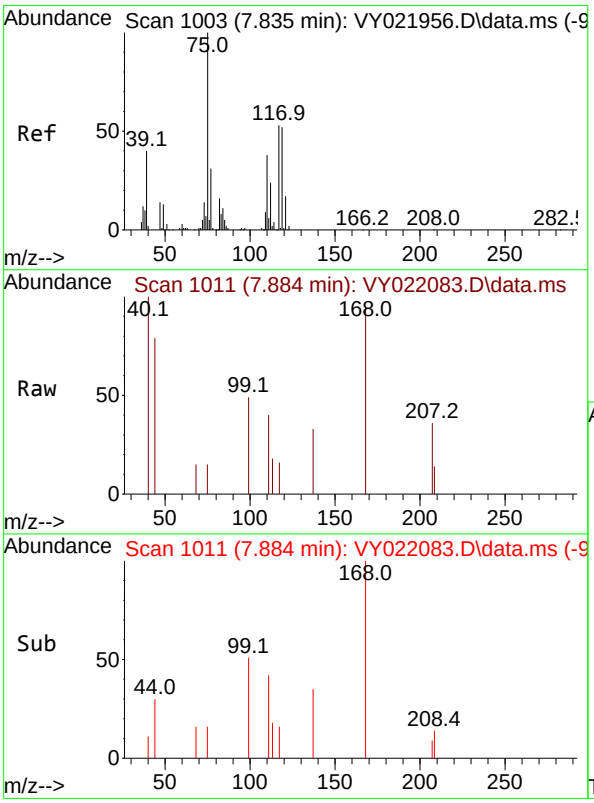
#35
Dibromofluoromethane
Concen: 29.756 ug/l
RT: 7.793 min Scan# 9
Delta R.T. 0.158 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:113 Resp: 69

Ion	Ratio	Lower	Upper
113	100		
111	0.0	81.8	122.8#
192	0.0	15.6	23.4#

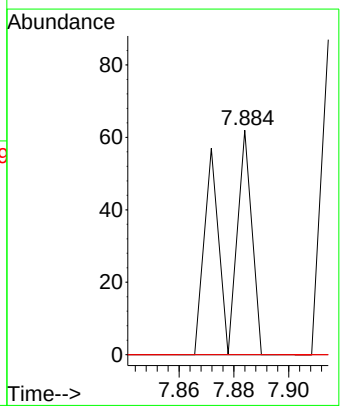


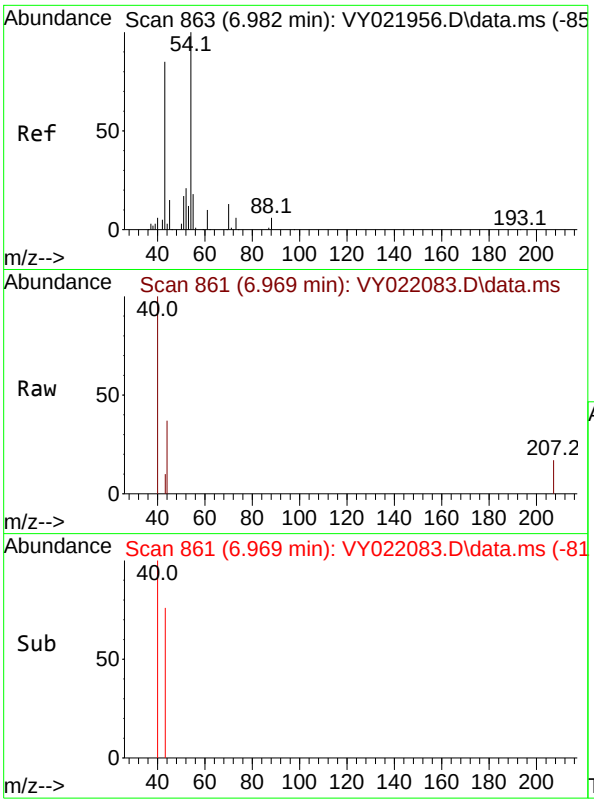


#36
1,1-Dichloropropene
Concen: 14.126 ug/l
RT: 7.884 min Scan# 1011
Delta R.T. 0.049 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 75 Resp: 44

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.3#
77	0.0	25.5	38.3#



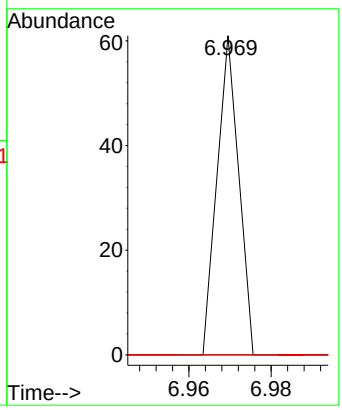


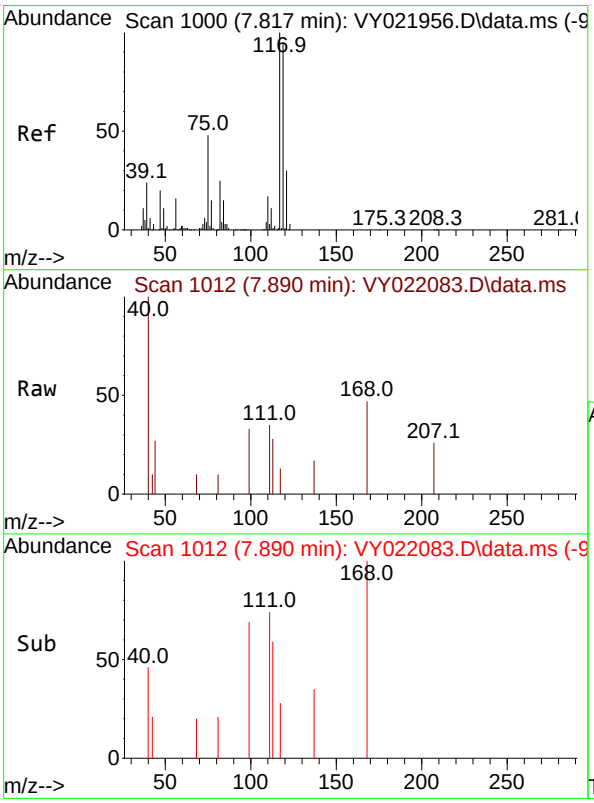
#37
Ethyl Acetate
Concen: 19.665 ug/l
RT: 6.969 min Scan# 8
Delta R.T. -0.012 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.8	20.6#
70	0.0	9.2	13.8#

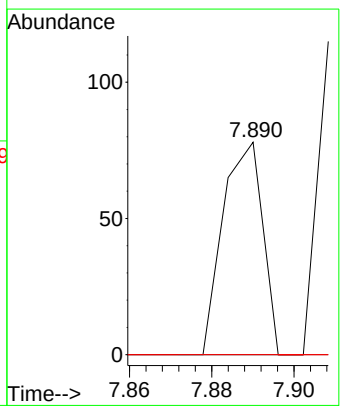


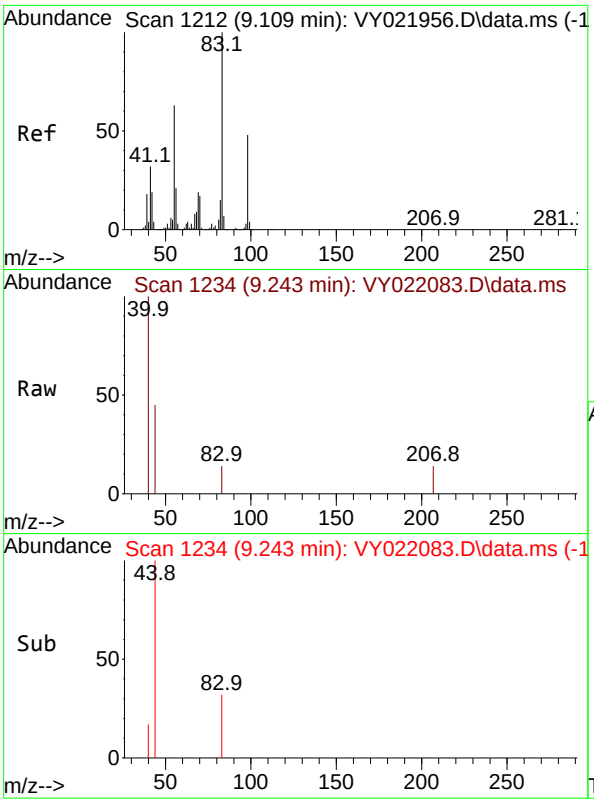


#38
Carbon Tetrachloride
Concen: 13.971 ug/l
RT: 7.890 min Scan# 1012
Delta R.T. 0.073 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion:117 Resp: 52

Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.4#
121	0.0	24.0	36.0#



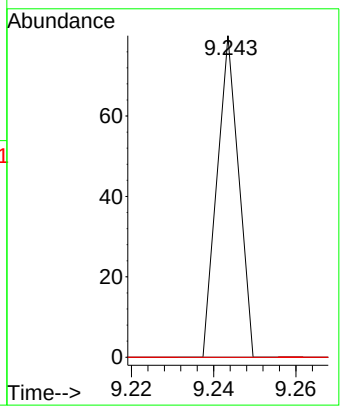


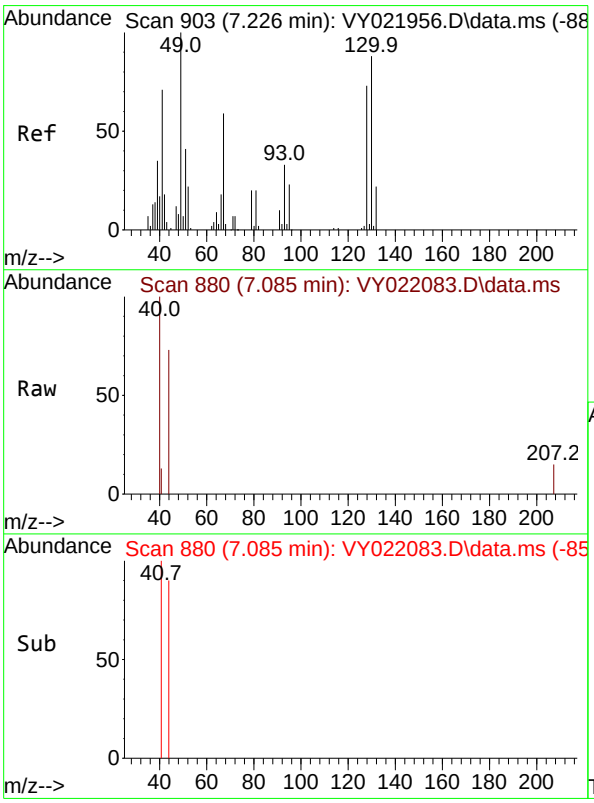
#39
Methylcyclohexane
Concen: 7.398 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.134 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 83 Resp: 29

Ion	Ratio	Lower	Upper
83	100		
55	0.0	50.6	75.8#
98	0.0	38.6	58.0#

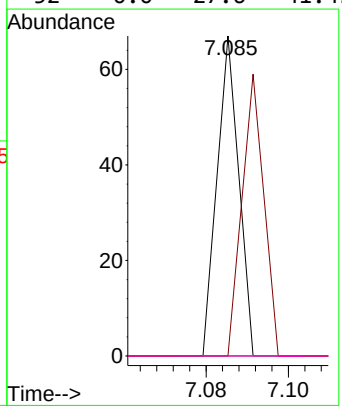


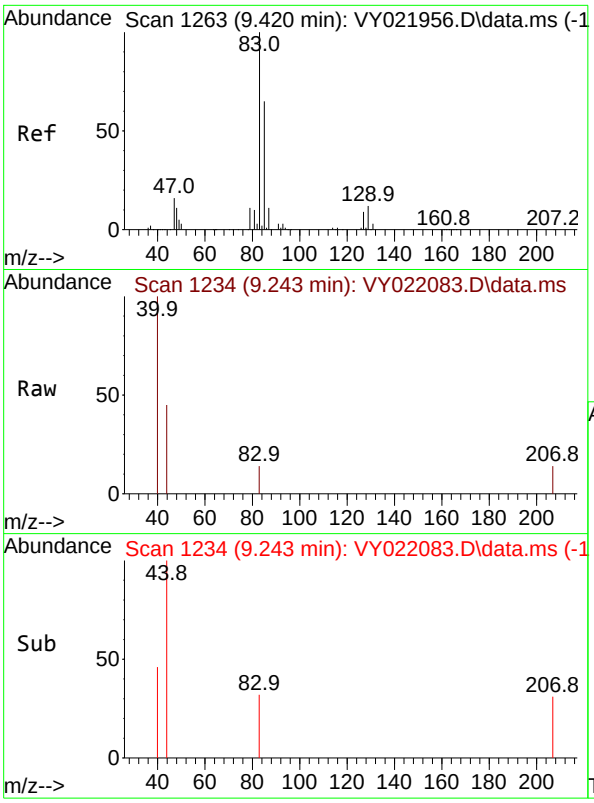


#41
Methacrylonitrile
Concen: 40.880 ug/l
RT: 7.085 min Scan# 880
Delta R.T. -0.140 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 41 Resp: 25

Ion	Ratio	Lower	Upper
41	100		
39	88.0	36.6	55.0#
67	0.0	72.2	108.4#
52	0.0	27.6	41.4#



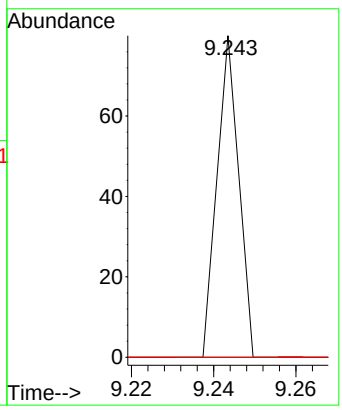


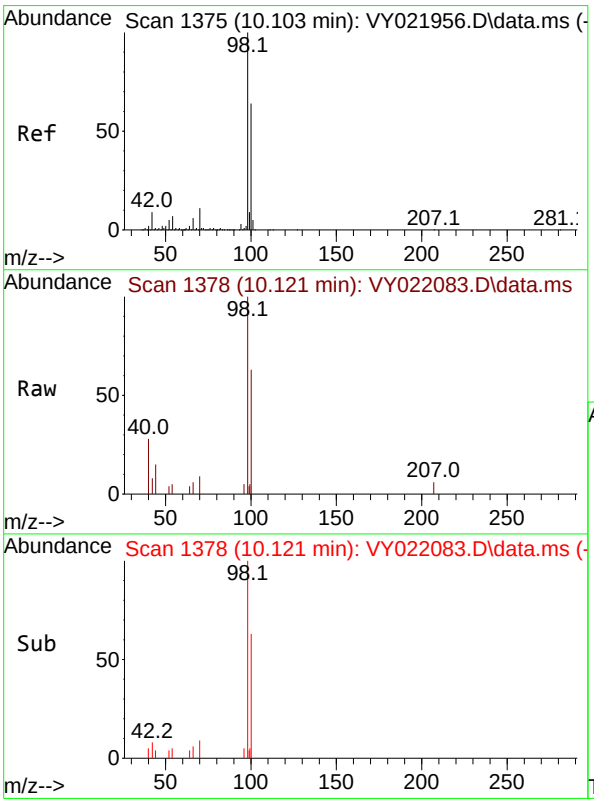
#47
Bromodichloromethane
Concen: 8.612 ug/l
RT: 9.243 min Scan# 1
Delta R.T. -0.177 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 83 Resp: 29

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.8#
127	0.0	7.0	10.6#

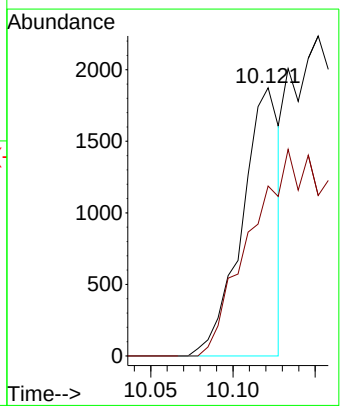


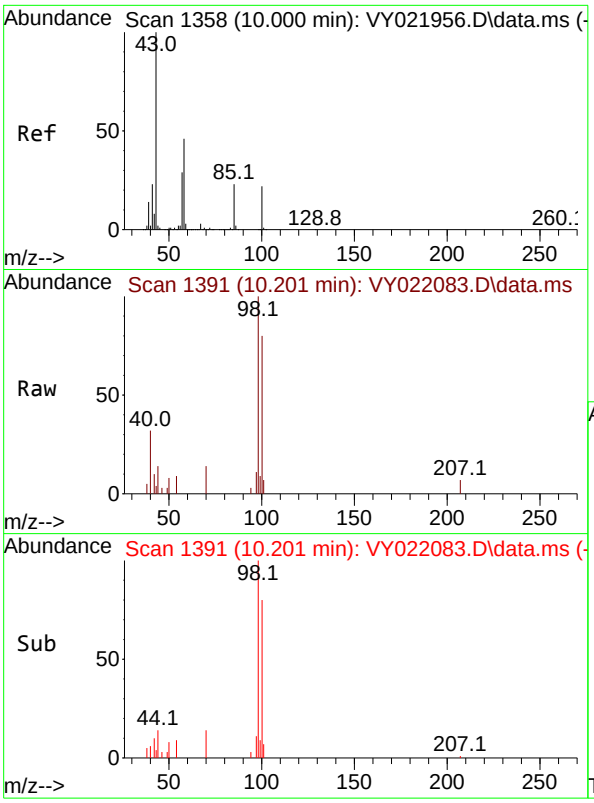


#50
Toluene-d8
Concen: 340.875 ug/l
RT: 10.121 min Scan# 1378
Delta R.T. 0.018 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 98 Resp: 2980

Ion	Ratio	Lower	Upper
98	100		
100	145.2	51.6	77.4#



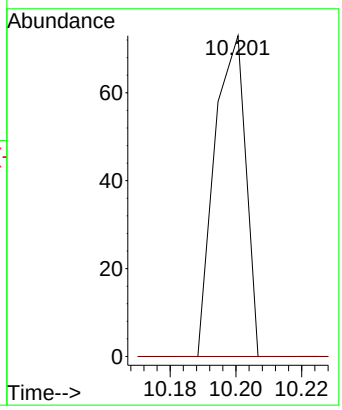


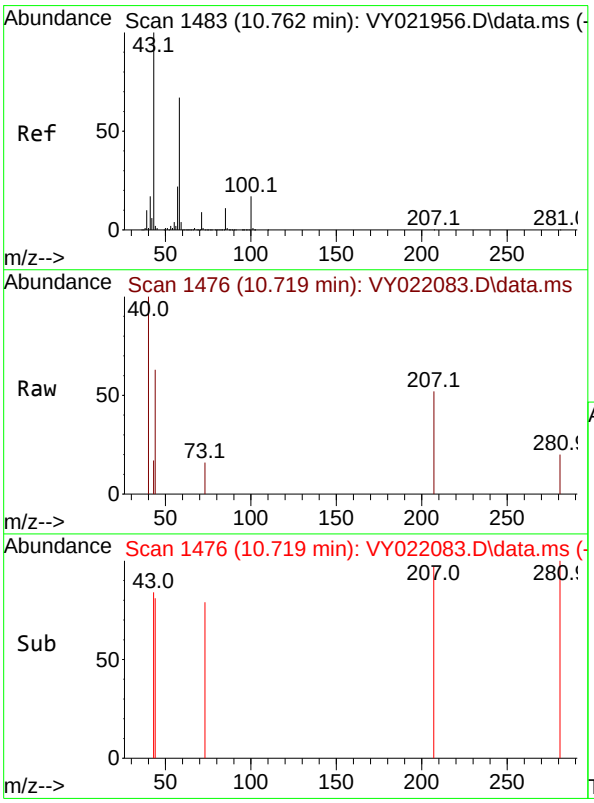
#51
4-Methyl-2-Pentanone
Concen: 42.620 ug/l
RT: 10.201 min Scan# 1
Delta R.T. 0.201 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 43 Resp: 48

Ion	Ratio	Lower	Upper
43	100		
58	0.0	36.6	55.0#

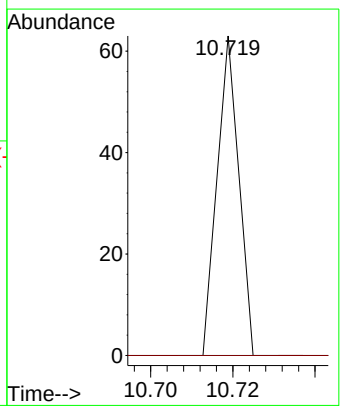


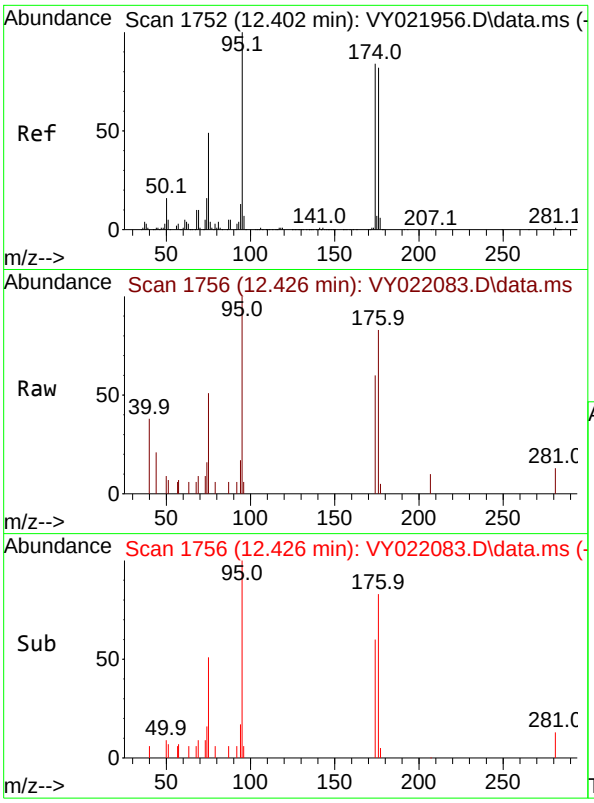


#59
2-Hexanone
Concen: 30.962 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.043 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 43 Resp: 23

Ion	Ratio	Lower	Upper
43	100		
58	0.0	32.0	96.0#



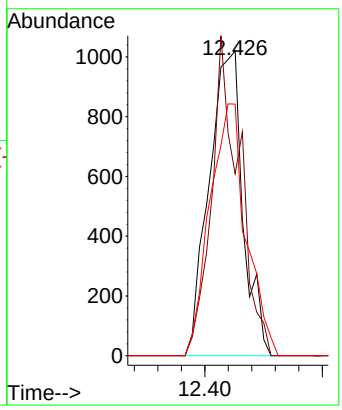


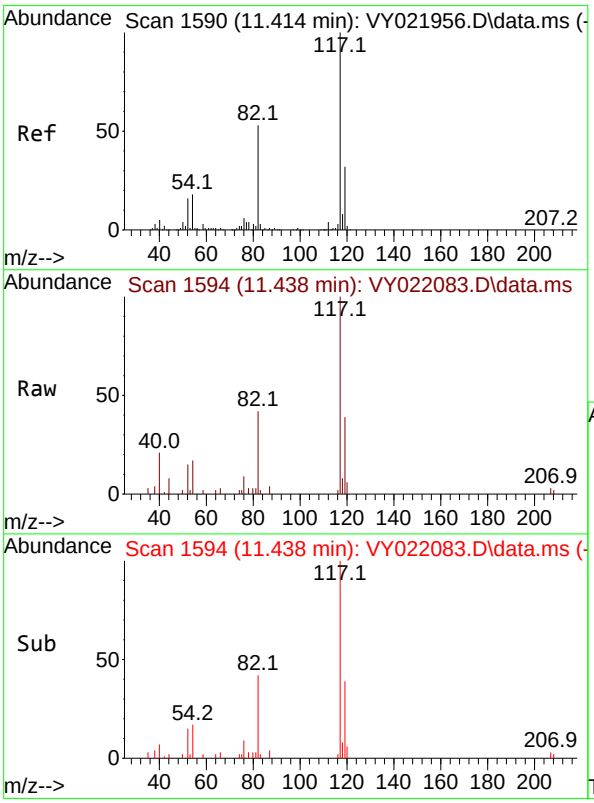
#62
4-Bromofluorobenzene
Concen: 695.892 ug/l
RT: 12.426 min Scan# 1
Delta R.T. 0.024 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 95 Resp: 2048

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	179.0
176	88.5	0.0	171.8

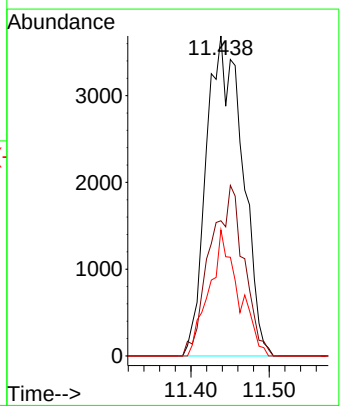


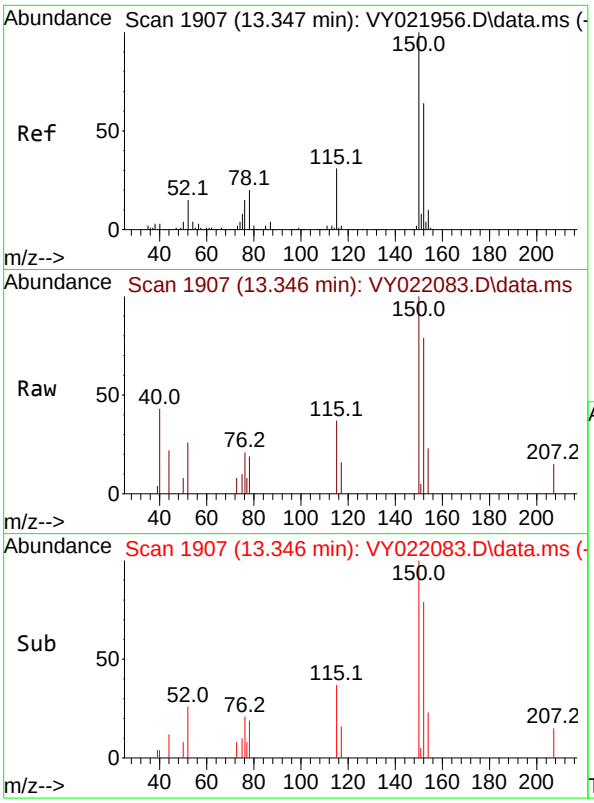


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. 0.024 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion:117 Resp: 11840

Ion	Ratio	Lower	Upper
117	100		
82	42.2	42.1	63.1
119	39.4	25.7	38.5#



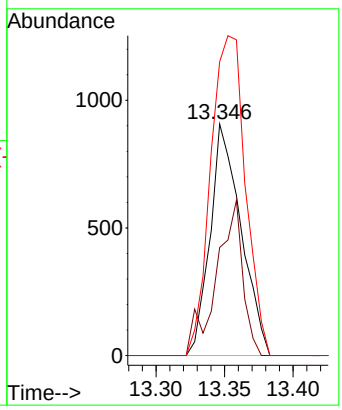


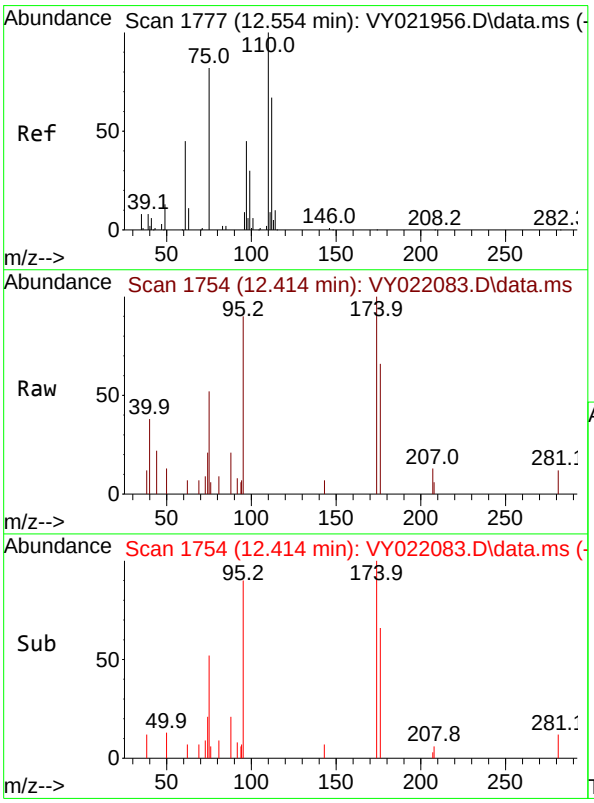
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:152 Resp: 1424

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	155.5	0.0	345.6

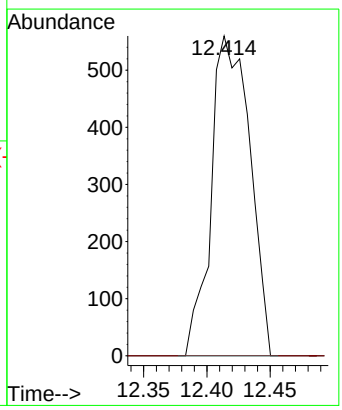


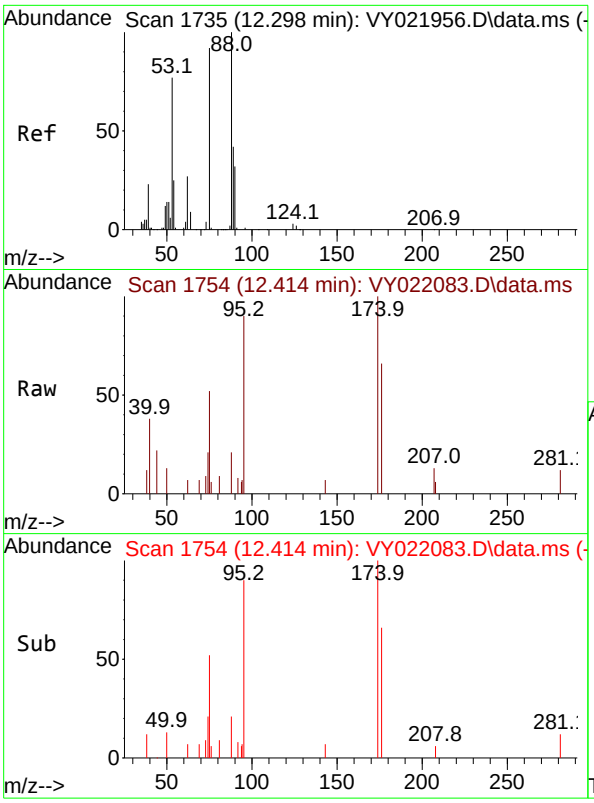


#76
1,2,3-Trichloropropane
Concen: 97.891 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Tgt Ion: 75 Resp: 1194

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 235.736 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.116 min
Lab File: VY022083.D
Acq: 30 Apr 2025 15:11

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 75 Resp: 1194

Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.0	99.0#
89	0.0	37.2	55.8#