Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021483.D
Acq On : 11 Mar 2025 13:58
Operator : SY/MD
Sample : Q1515-02
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Quant Time: Mar 12 01:24:52 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	2245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	3265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1479	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1620	68.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.540%			
35) Dibromofluoromethane	7.634	113	1229	57.266	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.540%			
50) Toluene-d8	10.103	98	3193	39.294	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 78.580%			
62) 4-Bromofluorobenzene	12.408	95	330	11.939	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 23.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.086	85	26	1.262	ug/l #	1
3) Chloromethane	2.074	50	334	11.499	ug/l #	56
5) Bromomethane	2.623	94	237	10.331	ug/l	82
8) Diethyl Ether	3.293	74	22	1.792	ug/l #	1
10) Methyl Iodide	4.019	142	356	13.846	ug/l #	76
11) Tert butyl alcohol	4.848	59	20	Below Cal	#	72
12) 1,1-Dichloroethene	3.812	96	25	1.084	ug/l #	1
13) Acrolein	3.476	56	46	38.114	ug/l #	76
14) Allyl chloride	4.379	41	127	3.408	ug/l #	21
16) Acetone	3.867	43	28	5.410	ug/l #	47
18) Methyl Acetate	4.440	43	21	1.829	ug/l #	51
25) 2-Butanone	6.915	43	56	7.822	ug/l #	48
29) Tetrahydrofuran	7.262	42	21	4.751	ug/l #	33
36) 1,1-Dichloropropene	7.713	75	63	1.875	ug/l #	32
37) Ethyl Acetate	7.012	43	58	3.906	ug/l #	68
38) Carbon Tetrachloride	7.707	117	117	3.028	ug/l #	12
41) Methacrylonitrile	7.268	41	55	6.803	ug/l #	44
42) 1,2-Dichloroethane	8.140	62	57	2.059	ug/l #	75
43) Isopropyl Acetate	8.073	43	42	1.457	ug/l #	2
48) Methyl methacrylate	9.250	41	108	8.160	ug/l #	33
51) 4-Methyl-2-Pentanone	10.006	43	22	1.479	ug/l #	36
56) Ethyl methacrylate	10.457	69	23	1.052	ug/l #	1
59) 2-Hexanone	10.615	43	25	2.542	ug/l #	24
74) N-amyl acetate	12.079	43	24	3.473	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.487	83	22	3.917	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	233	57.233	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	233	130.110	ug/l #	9

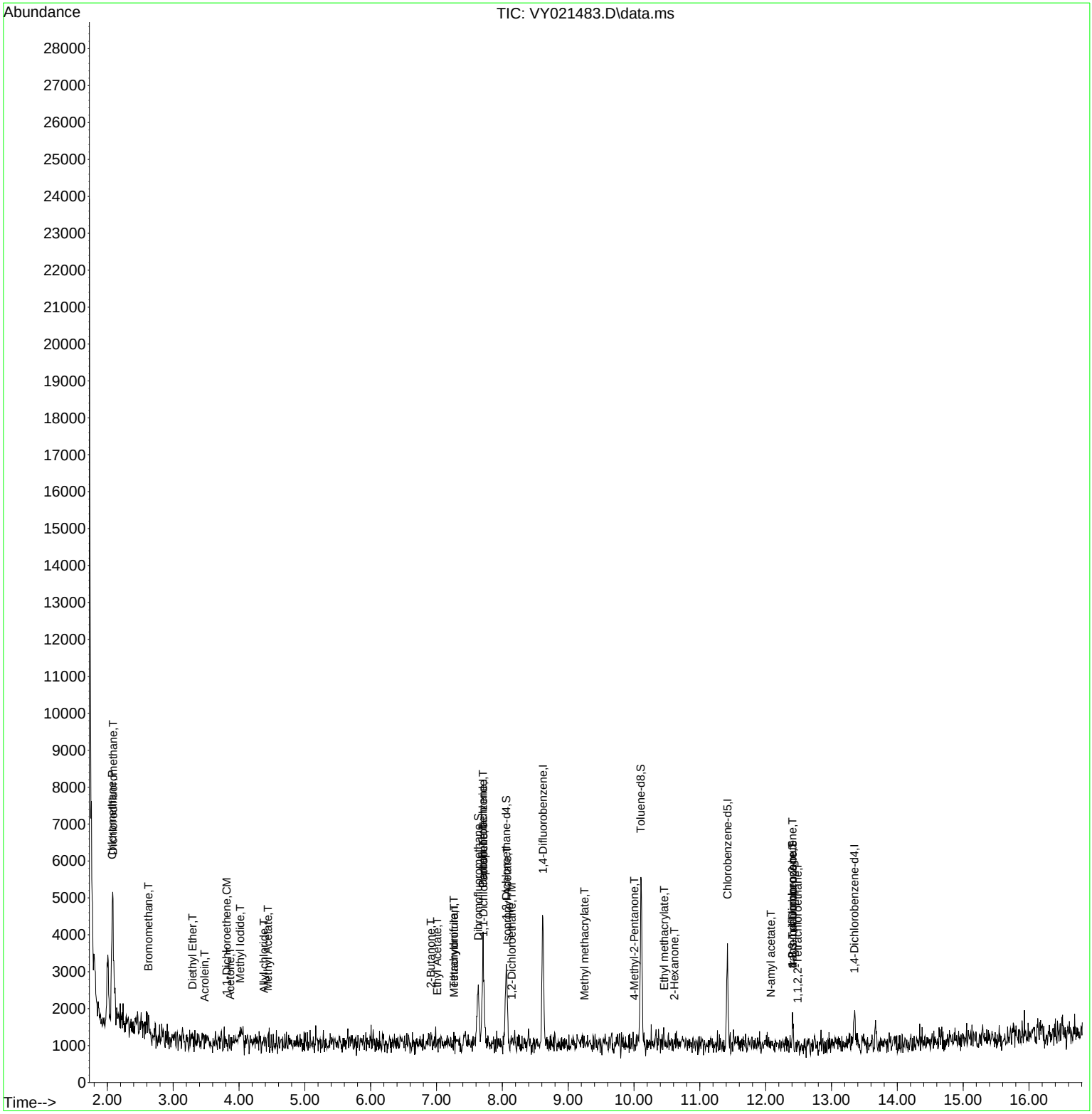
(#) = qualifier out of range (m) = manual integration (+) = signals summed

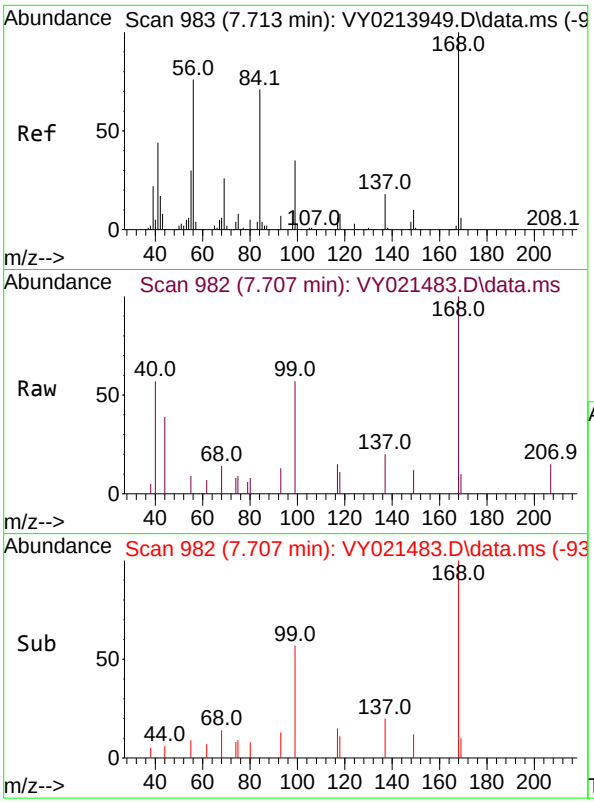
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021483.D
Acq On : 11 Mar 2025 13:58
Operator : SY/MD
Sample : Q1515-02
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Quant Time: Mar 12 01:24:52 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



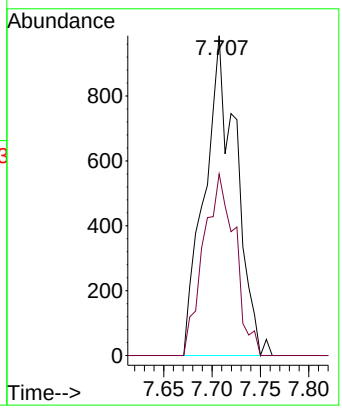


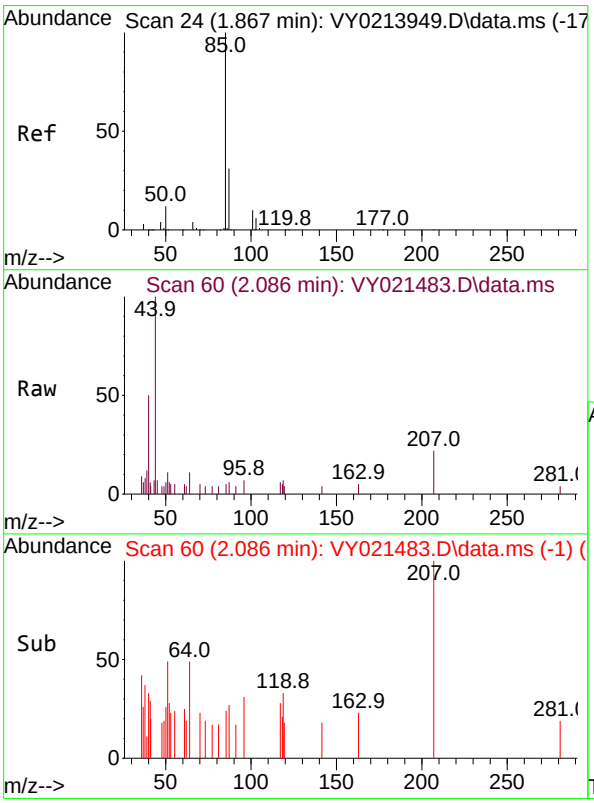
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion:168 Resp: 2245

Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.0	69.0

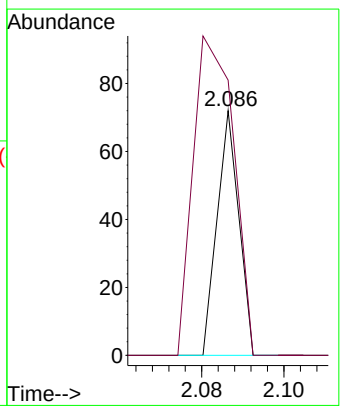


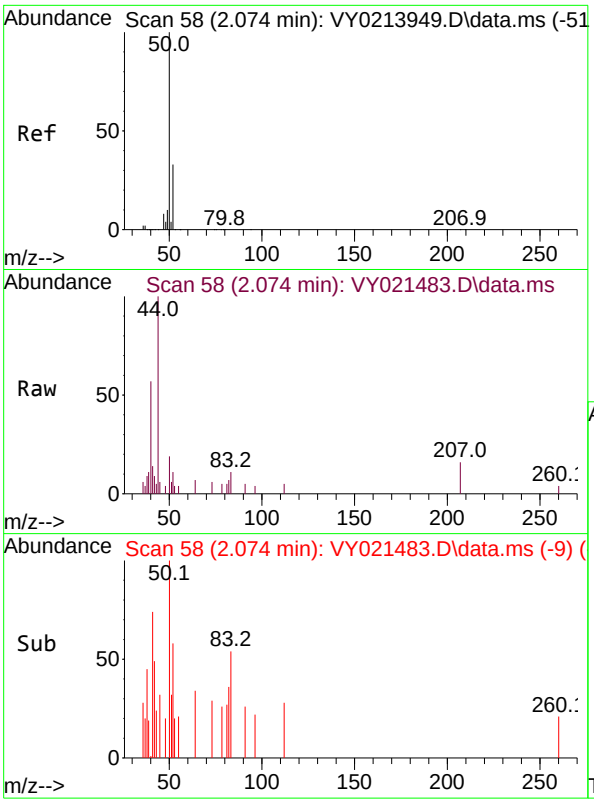


#2
Dichlorodifluoromethane
Concen: 1.262 ug/l
RT: 2.086 min Scan# 60
Delta R.T. 0.220 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 85 Resp: 26

Ion	Ratio	Lower	Upper
85	100		
87	112.5	15.7	47.0#



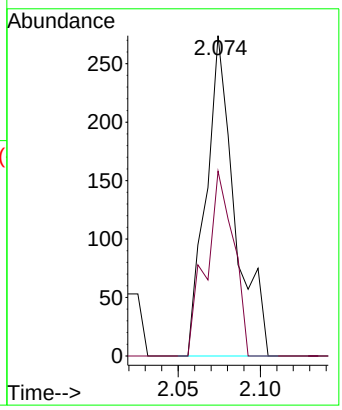


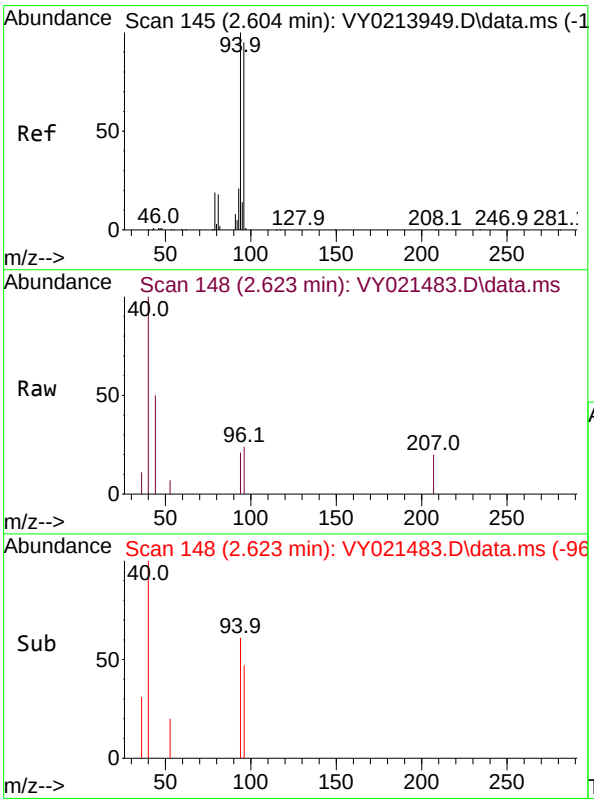
#3
Chloromethane
Concen: 11.499 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 50 Resp: 334

Ion	Ratio	Lower	Upper
50	100		
52	57.7	26.2	39.2#

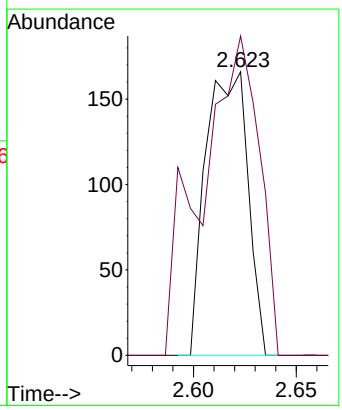


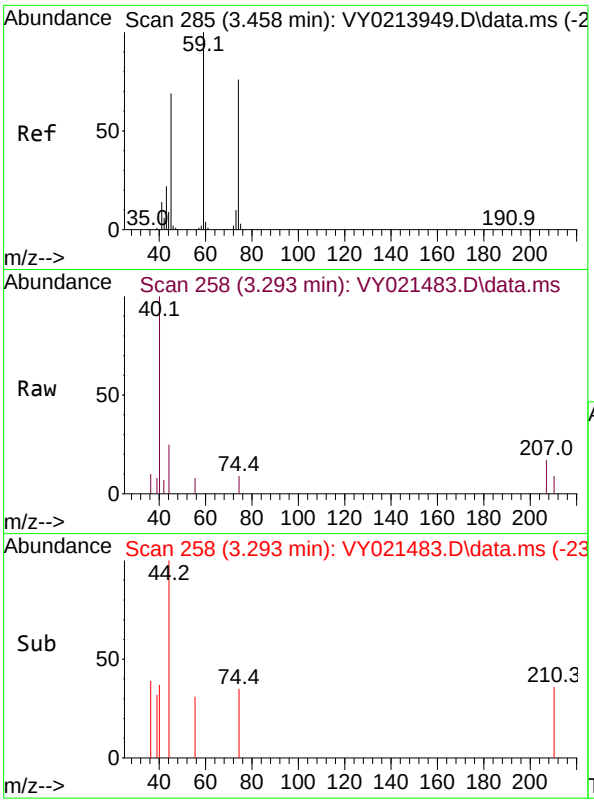


#5
Bromomethane
Concen: 10.331 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.019 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 94 Resp: 237

Ion	Ratio	Lower	Upper
94	100		
96	112.7	76.3	114.5



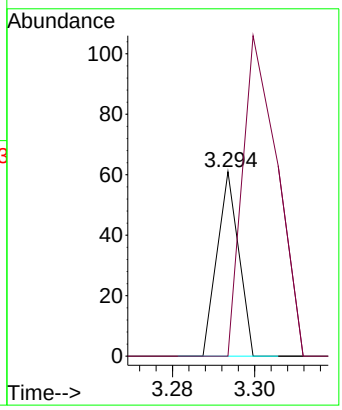


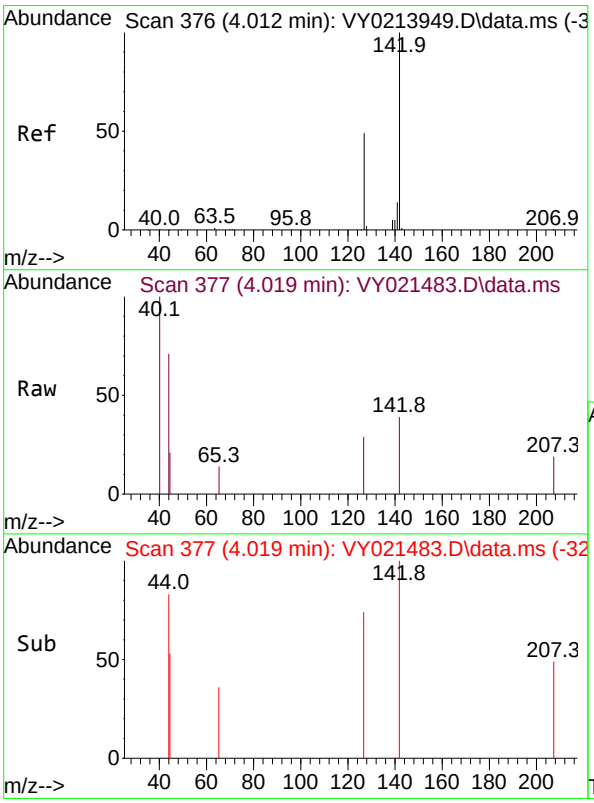
#8
Diethyl Ether
Concen: 1.792 ug/l
RT: 3.293 min Scan# 2
Delta R.T. -0.164 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 74 Resp: 22

Ion	Ratio	Lower	Upper
74	100		
45	281.8	49.7	149.1#

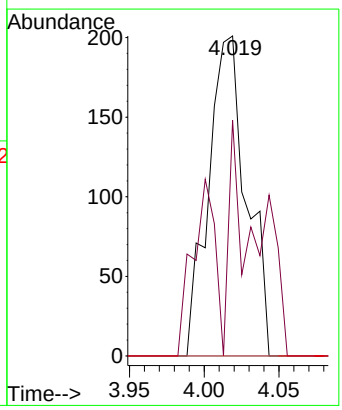


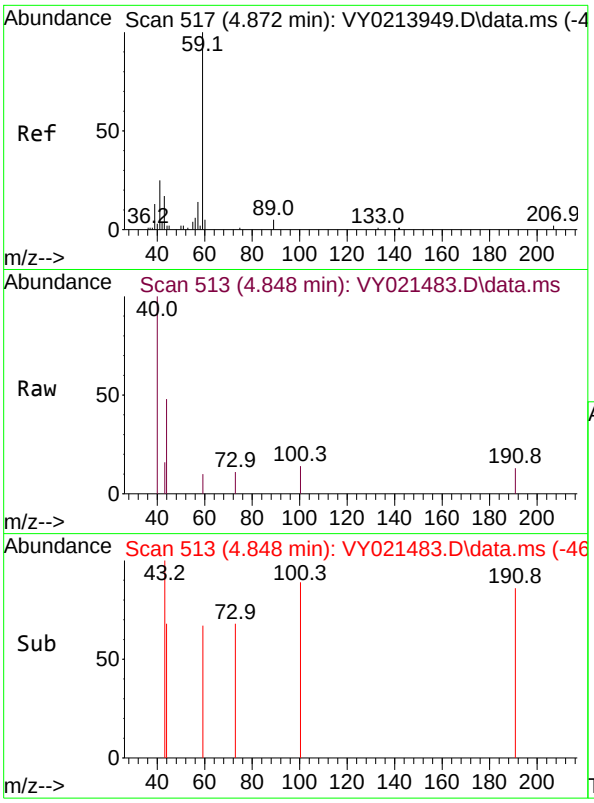


#10
Methyl Iodide
Concen: 13.846 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.007 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion:142 Resp: 356

Ion	Ratio	Lower	Upper
142	100		
127	35.1	39.1	58.7#
141	0.0	11.8	17.6#



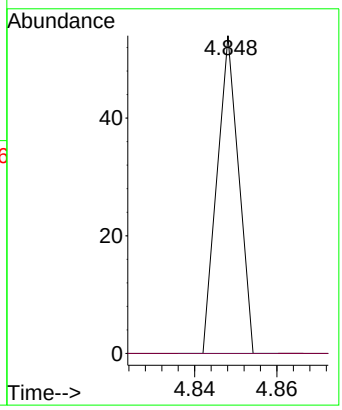


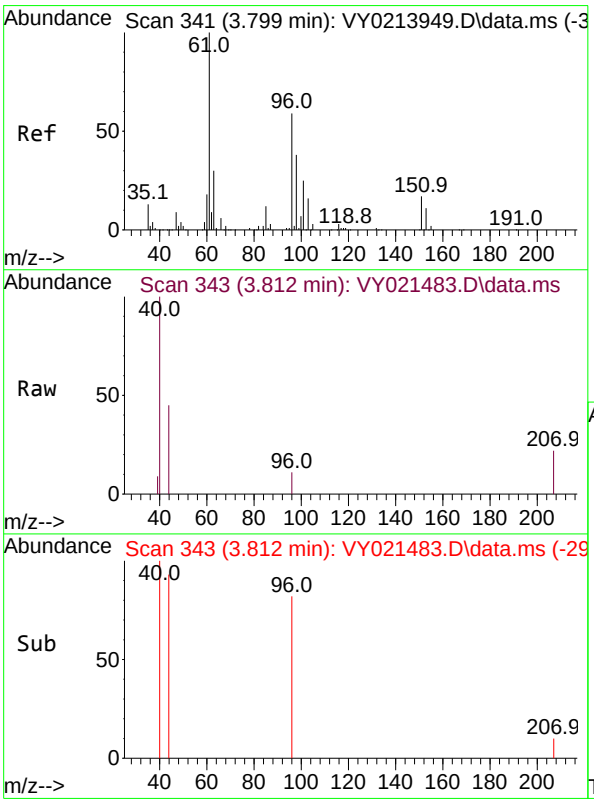
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 5
Delta R.T. -0.024 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 59 Resp: 20

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

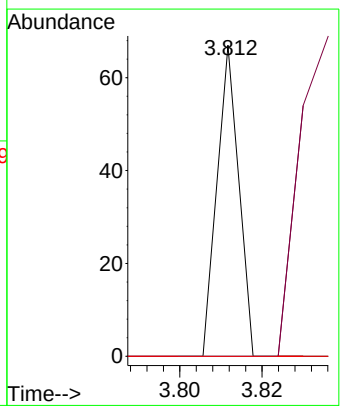


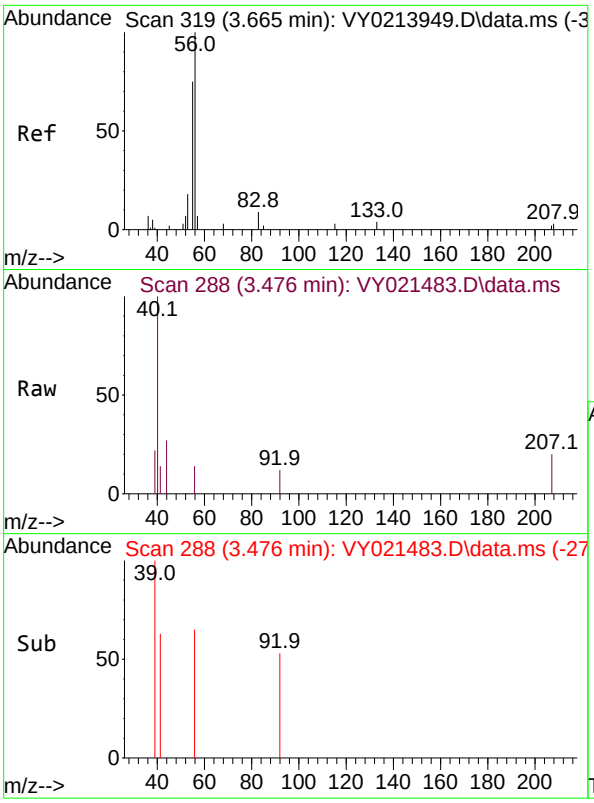


#12
1,1-Dichloroethene
Concen: 1.084 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.013 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 96 Resp: 25

Ion	Ratio	Lower	Upper
96	100		
61	0.0	135.2	202.8#
98	0.0	51.4	77.2#



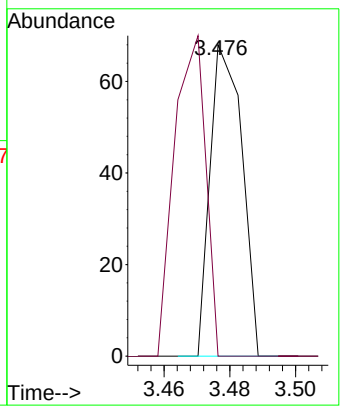


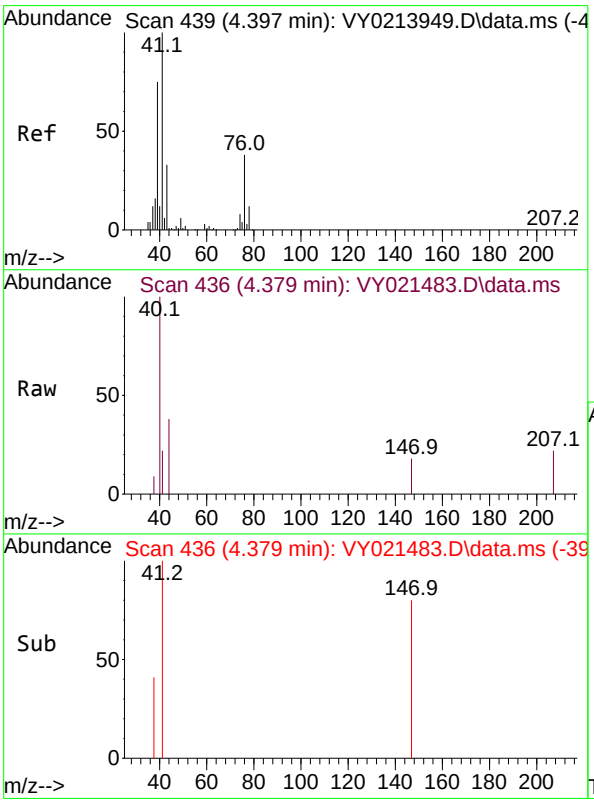
#13
Acrolein
Concen: 38.114 ug/l
RT: 3.476 min Scan# 2
Delta R.T. -0.189 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 56 Resp: 46

Ion	Ratio	Lower	Upper
56	100		
55	100.0	63.4	95.2#

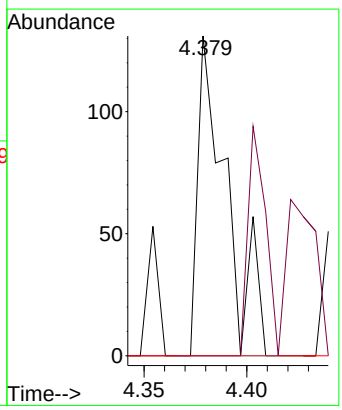


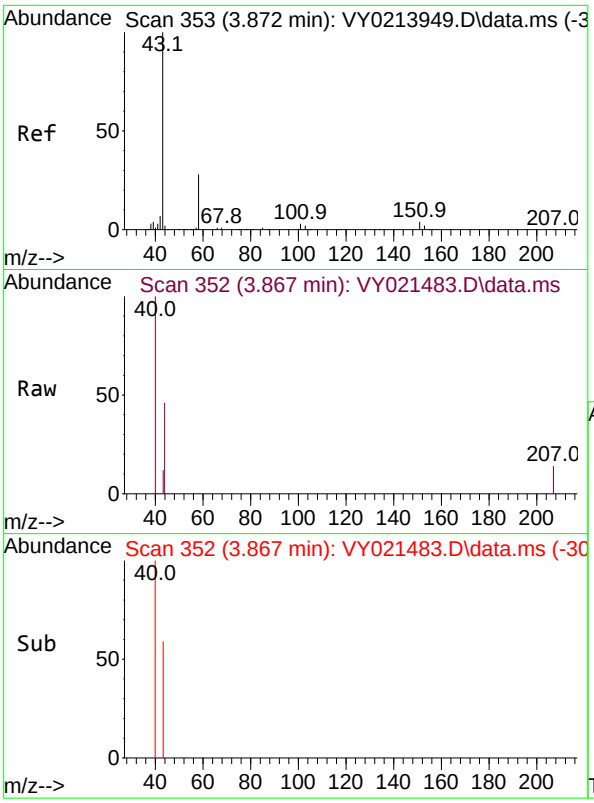


#14
Allyl chloride
Concen: 3.408 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.018 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 41 Resp: 127

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



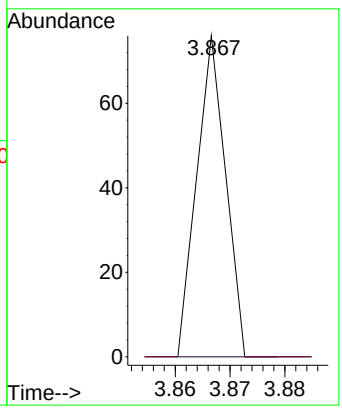


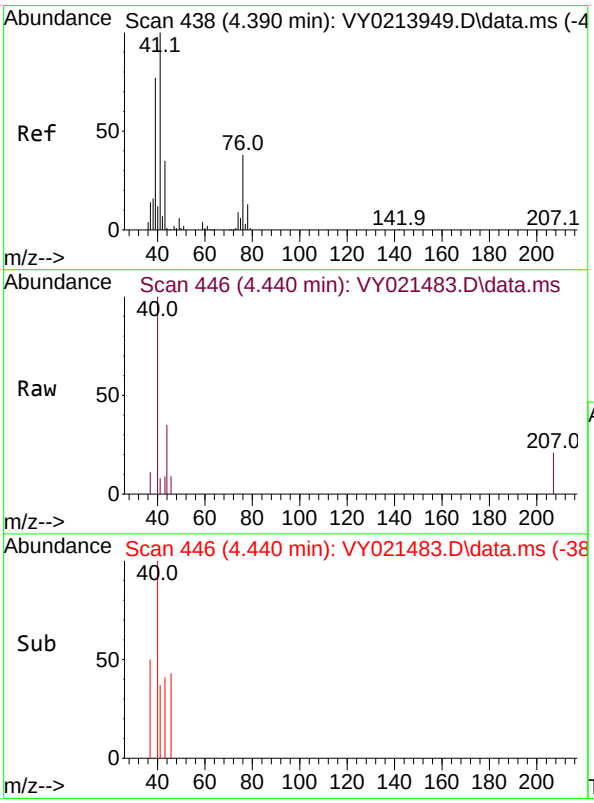
#16
Acetone
Concen: 5.410 ug/l
RT: 3.867 min Scan# 3
Delta R.T. -0.005 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 43 Resp: 28

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

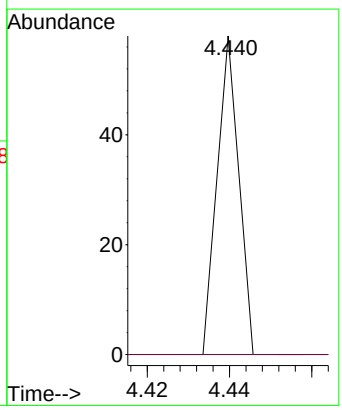


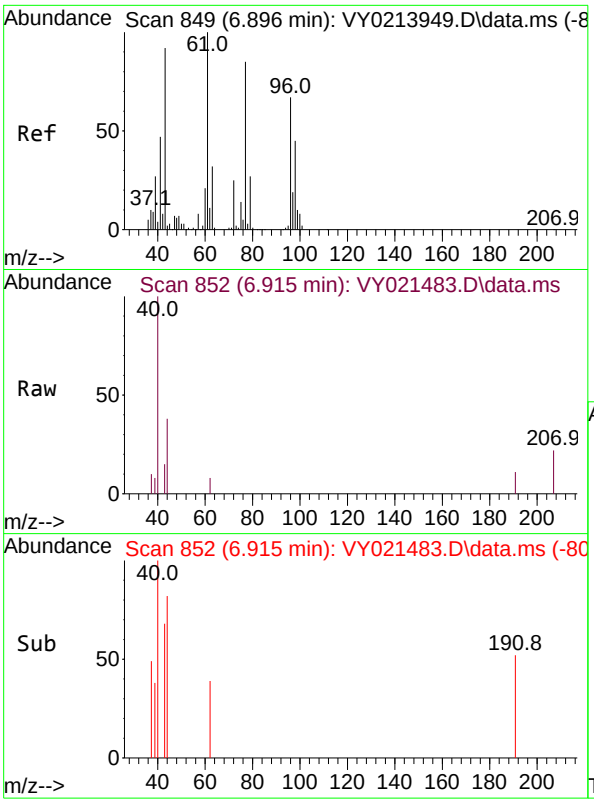


#18
Methyl Acetate
Concen: 1.829 ug/l
RT: 4.440 min Scan# 446
Delta R.T. 0.049 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 43 Resp: 21

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#



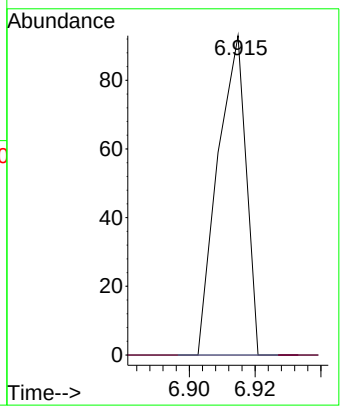


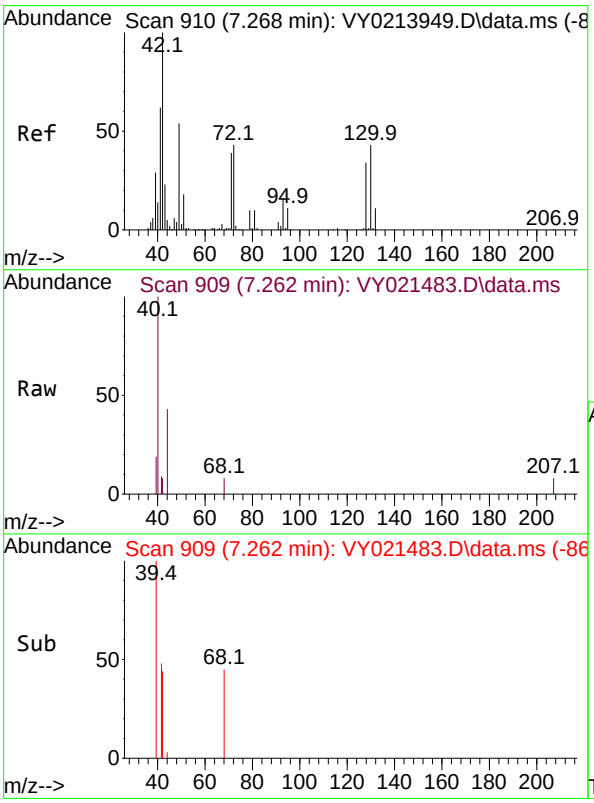
#25
2-Butanone
Concen: 7.822 ug/l
RT: 6.915 min Scan# 8
Delta R.T. 0.019 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

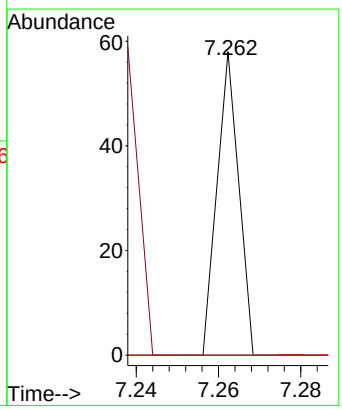


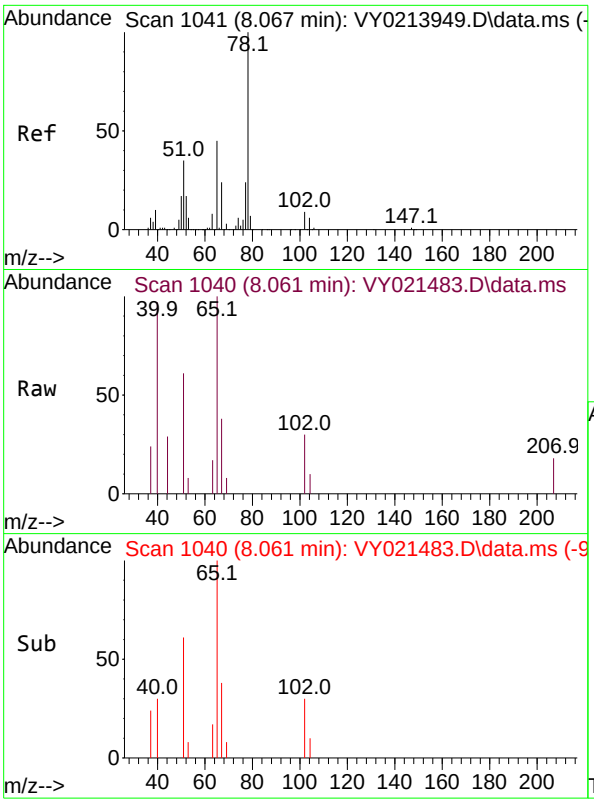


#29
Tetrahydrofuran
Concen: 4.751 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 42 Resp: 21

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.6	48.8#



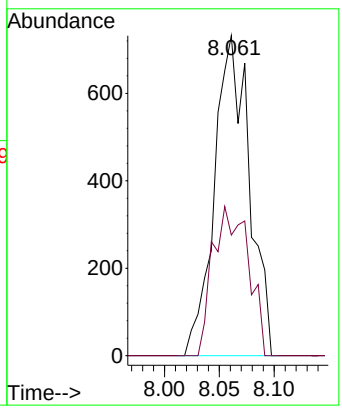


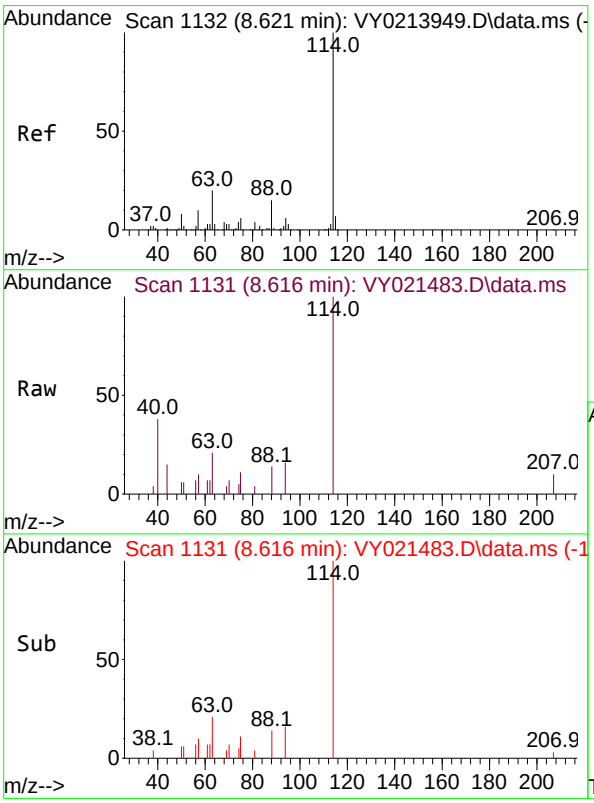
#33
1,2-Dichloroethane-d4
Concen: 68.273 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 65 Resp: 1620

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	102.8

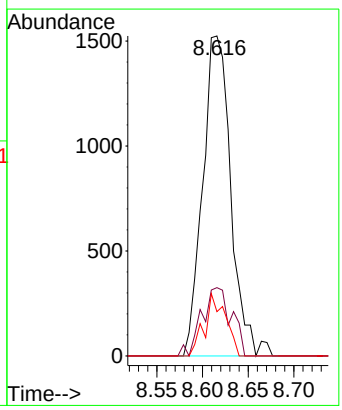


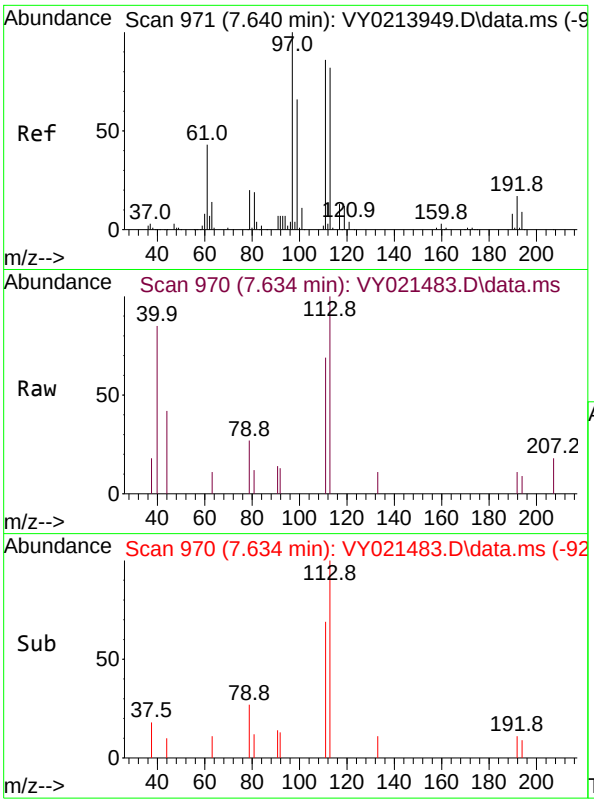


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion:114 Resp: 3265

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.8
88	13.8	0.0	30.8



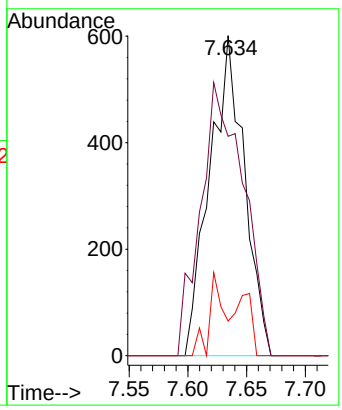


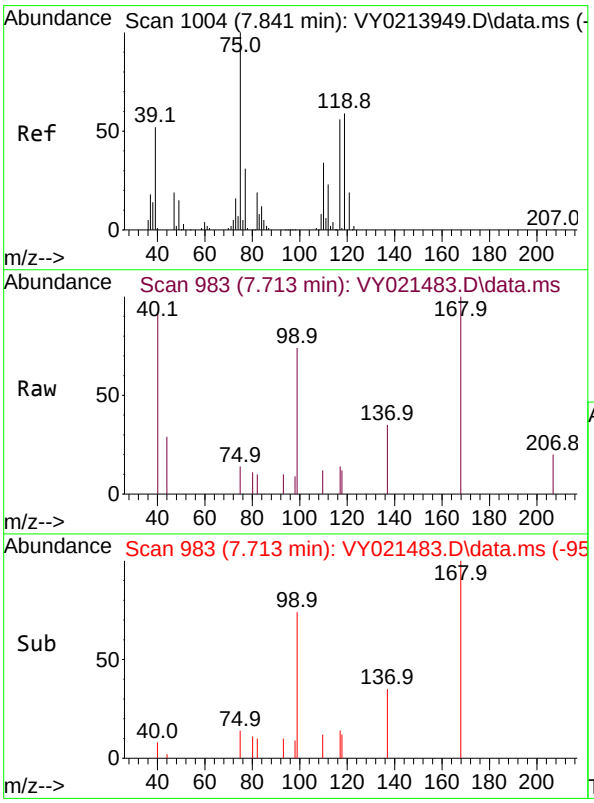
#35
Dibromofluoromethane
Concen: 57.266 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion:113 Resp: 1229

Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.0	123.0
192	10.8	15.9	23.9#

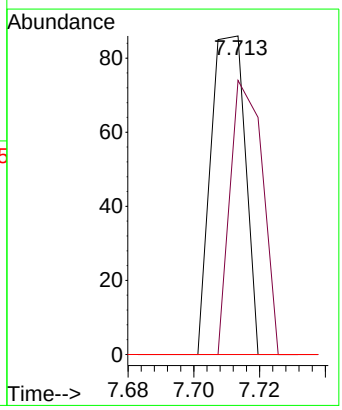


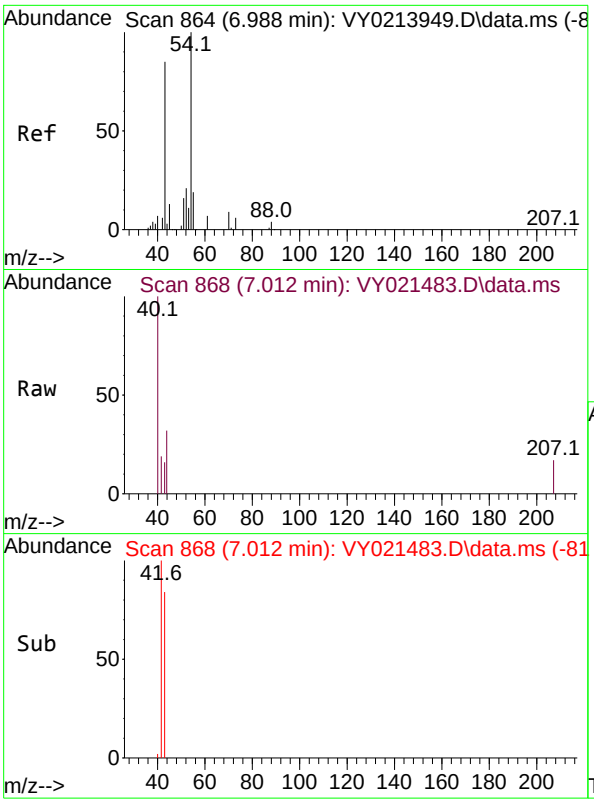


#36
1,1-Dichloropropene
Concen: 1.875 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 75 Resp: 63

Ion	Ratio	Lower	Upper
75	100		
110	79.4	17.3	51.7#
77	0.0	25.4	38.2#



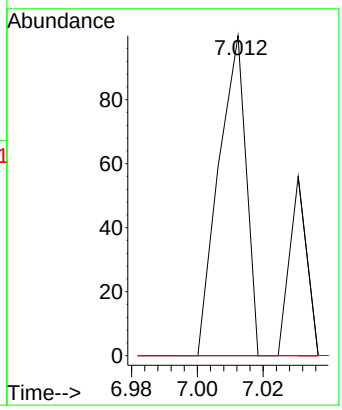


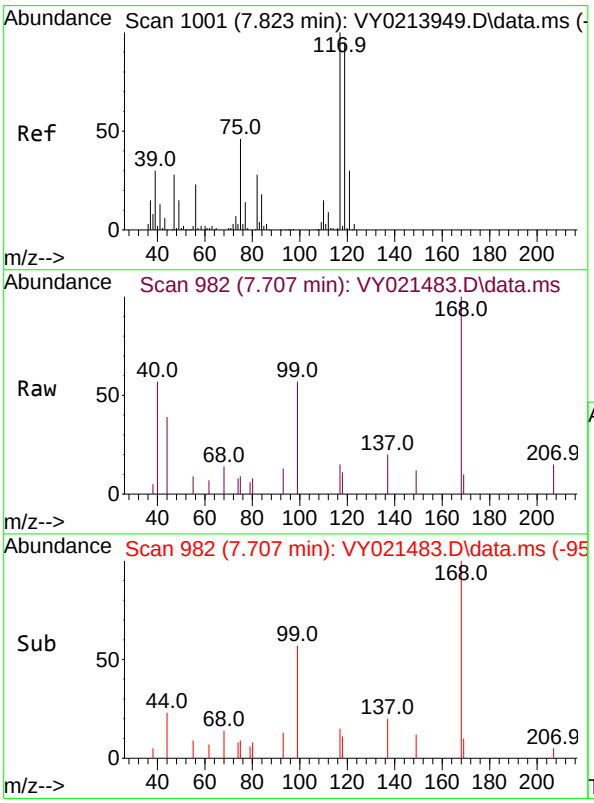
#37
Ethyl Acetate
Concen: 3.906 ug/l
RT: 7.012 min Scan# 8
Delta R.T. 0.025 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#

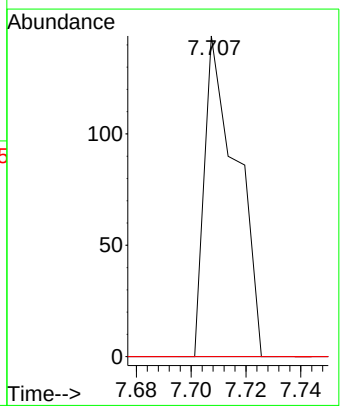


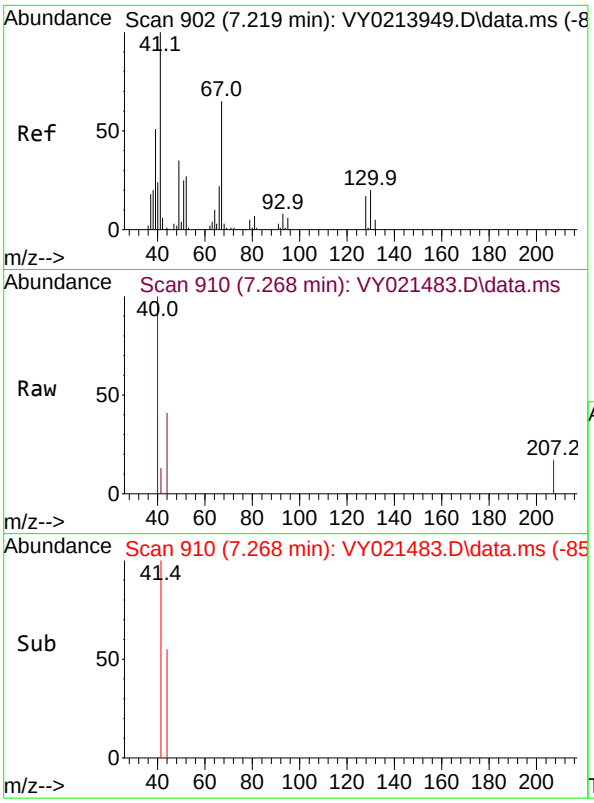


#38
Carbon Tetrachloride
Concen: 3.028 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion:117 Resp: 117

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



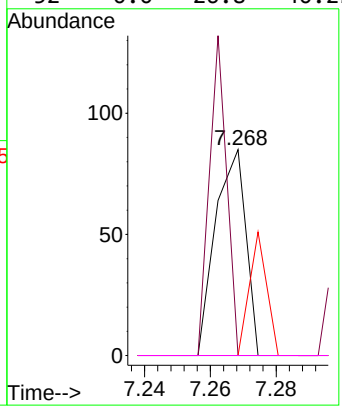


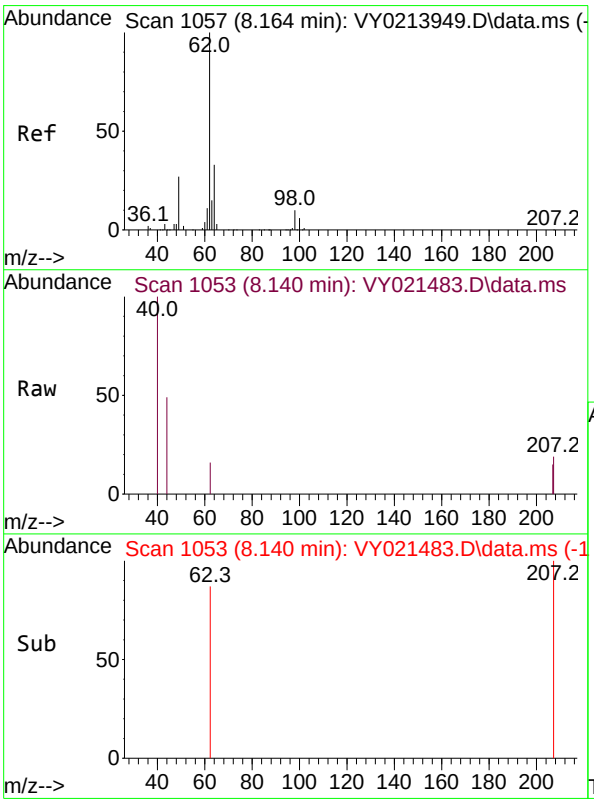
#41
Methacrylonitrile
Concen: 6.803 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.049 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 41 Resp: 55

Ion	Ratio	Lower	Upper
41	100		
39	87.3	35.0	52.6#
67	34.5	61.2	91.8#
52	0.0	26.8	40.2#

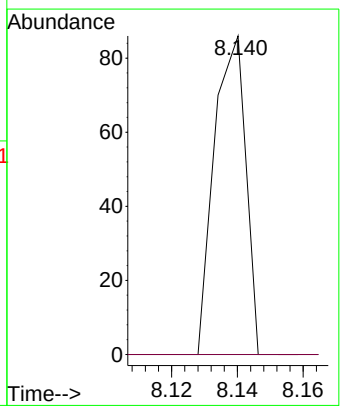


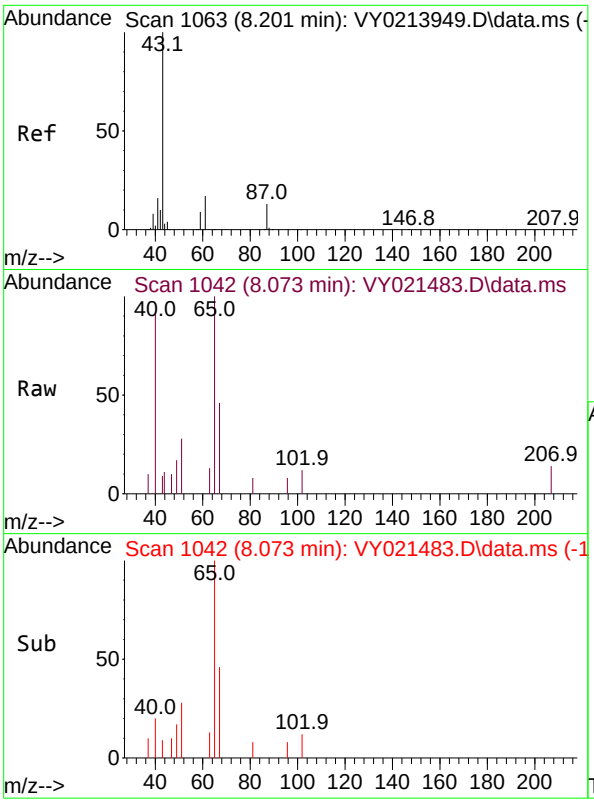


#42
1,2-Dichloroethane
Concen: 2.059 ug/l
RT: 8.140 min Scan# 1053
Delta R.T. -0.024 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 62 Resp: 57

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2



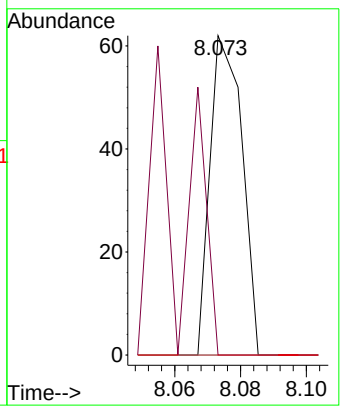


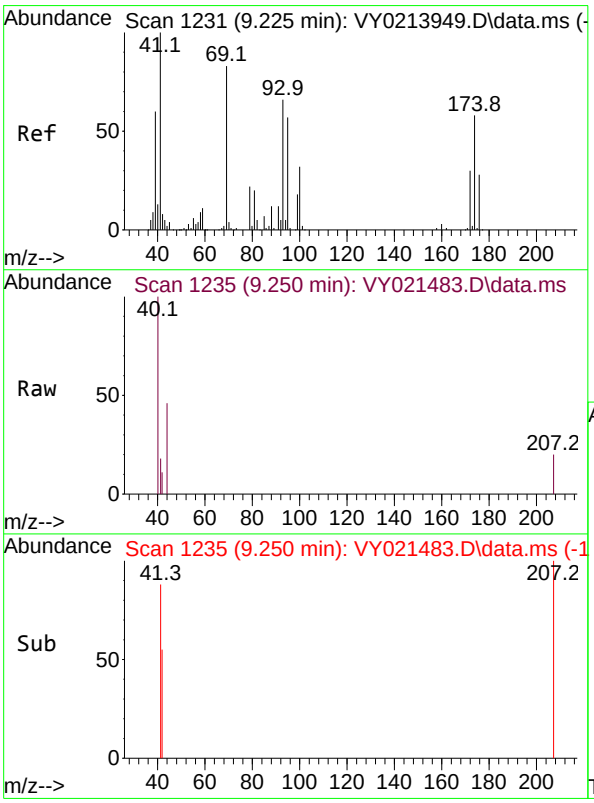
#43
Isopropyl Acetate
Concen: 1.457 ug/l
RT: 8.073 min Scan# 1
Delta R.T. -0.128 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 43 Resp: 42

Ion	Ratio	Lower	Upper
43	100		
61	97.6	23.4	35.0#
87	0.0	10.5	15.7#

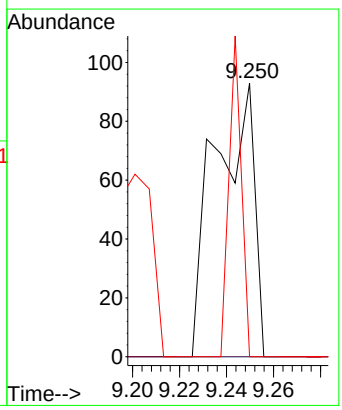


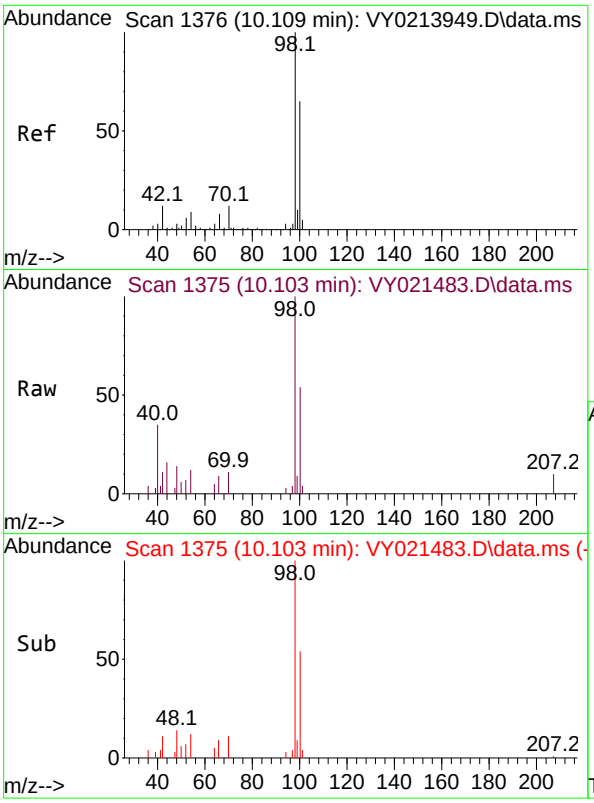


#48
Methyl methacrylate
Concen: 8.160 ug/l
RT: 9.250 min Scan# 1235
Delta R.T. 0.025 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 41 Resp: 108

Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.8#
39	37.0	46.4	69.6#



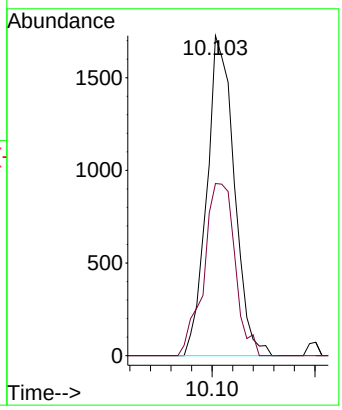


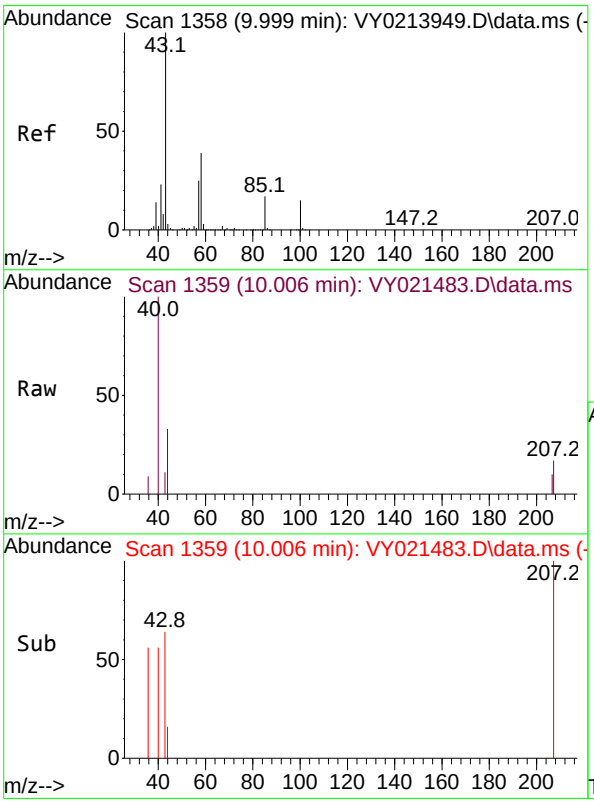
#50
Toluene-d8
Concen: 39.294 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 98 Resp: 3193

Ion	Ratio	Lower	Upper
98	100		
100	61.0	52.1	78.1

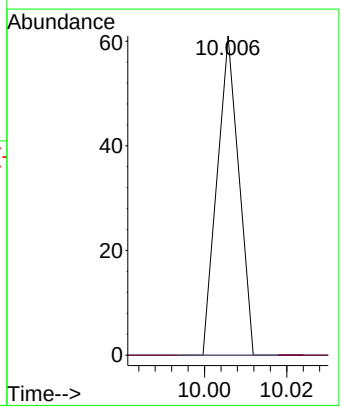


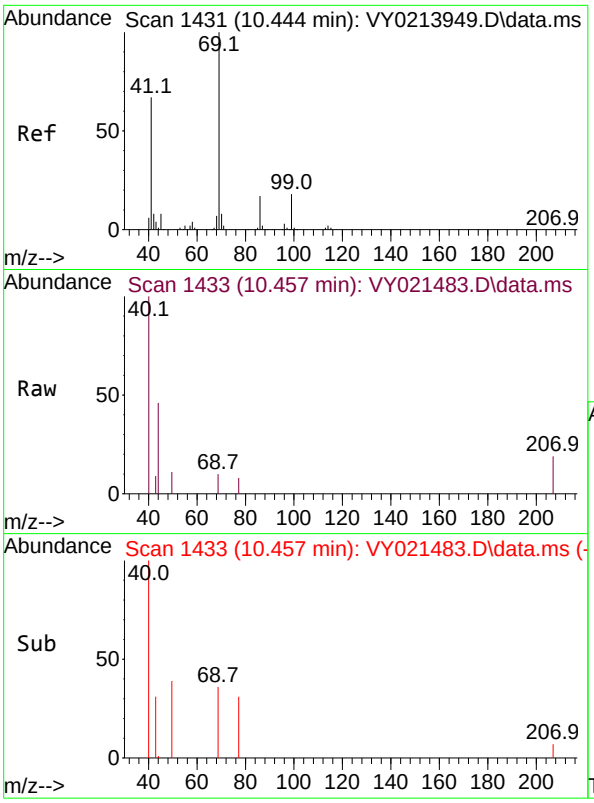


#51
4-Methyl-2-Pentanone
Concen: 1.479 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.007 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.4	47.2#



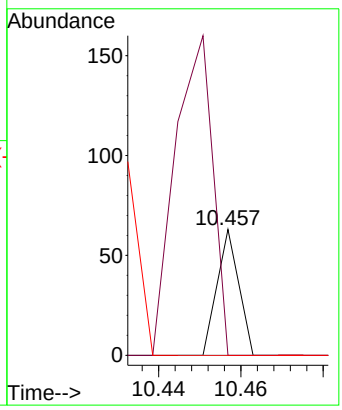


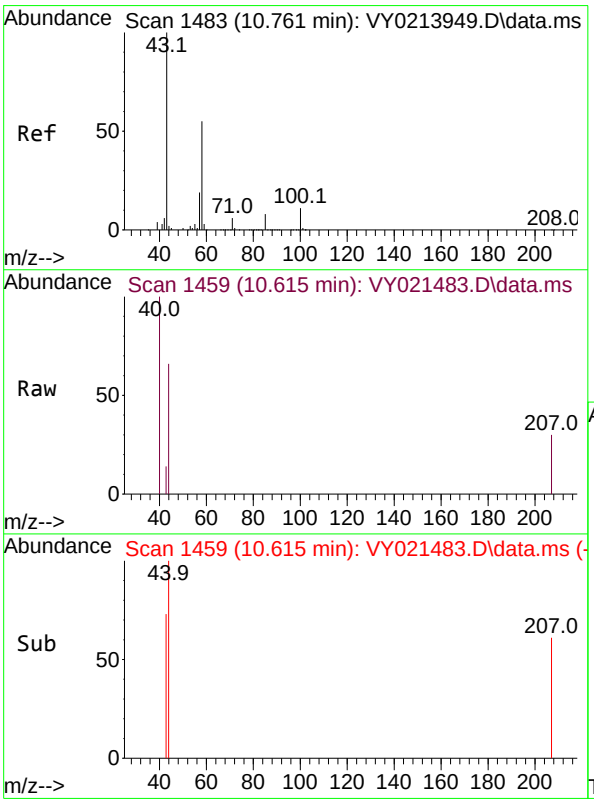
#56
Ethyl methacrylate
Concen: 1.052 ug/l
RT: 10.457 min Scan# 14
Delta R.T. 0.013 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 69 Resp: 23

Ion	Ratio	Lower	Upper
69	100		
41	439.1	53.3	79.9#
39	0.0	31.0	46.6#

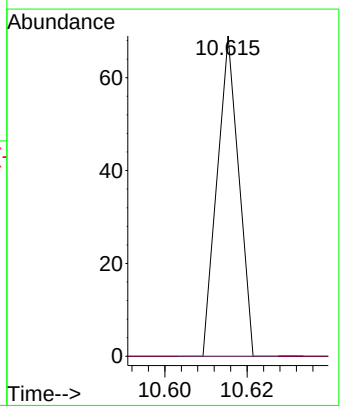


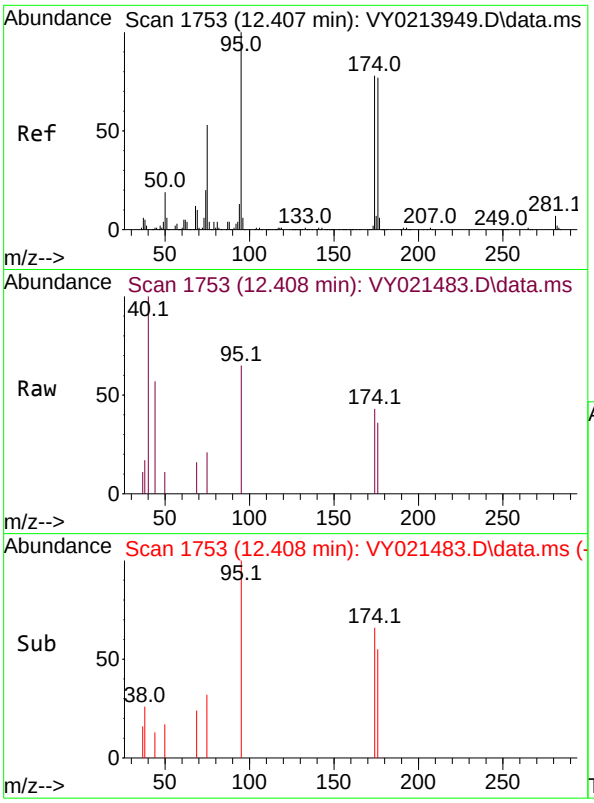


#59
2-Hexanone
Concen: 2.542 ug/l
RT: 10.615 min Scan# 1459
Delta R.T. -0.146 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 43 Resp: 25

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



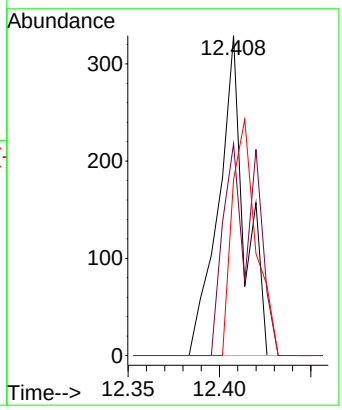


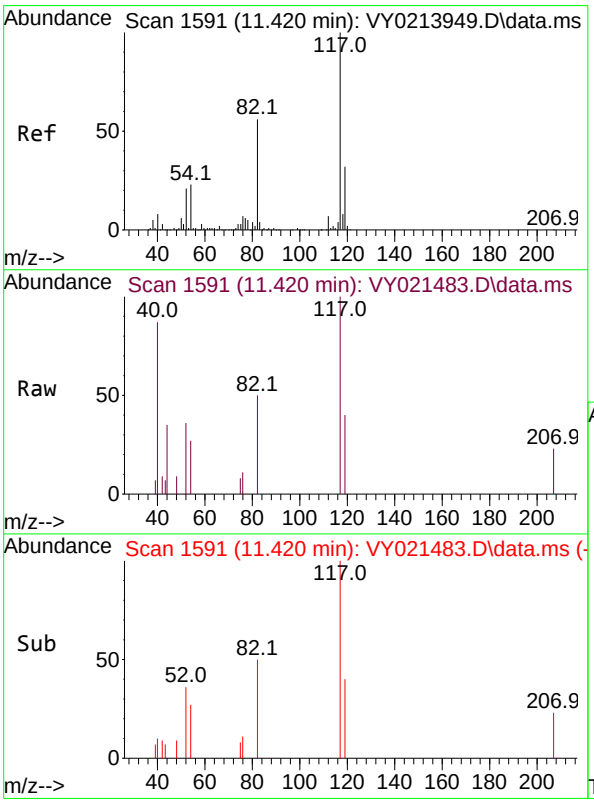
#62
4-Bromofluorobenzene
Concen: 11.939 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 95 Resp: 330

Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	165.0
176	66.7	0.0	160.0

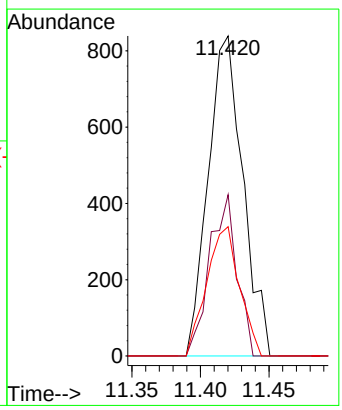


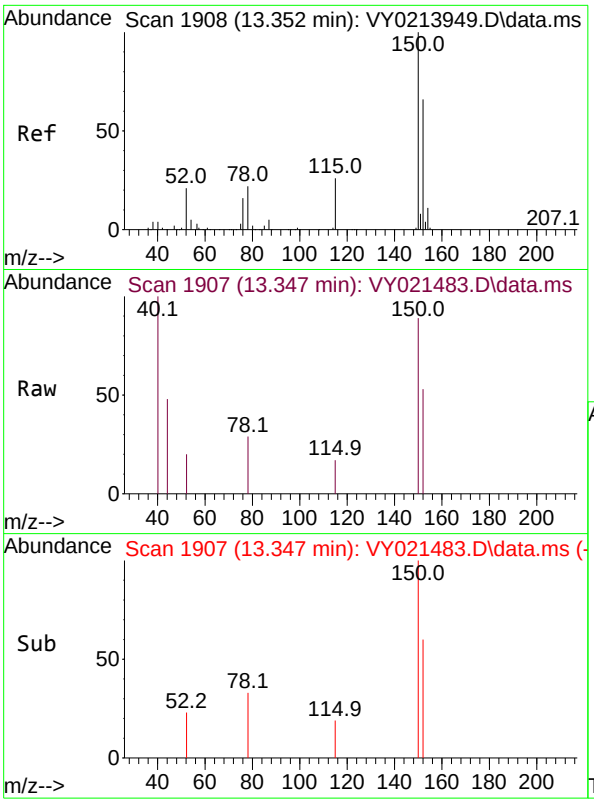


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion:117 Resp: 1479

Ion	Ratio	Lower	Upper
117	100		
82	50.4	44.6	67.0
119	40.4	25.4	38.0#



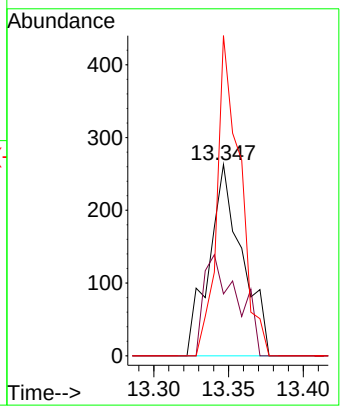


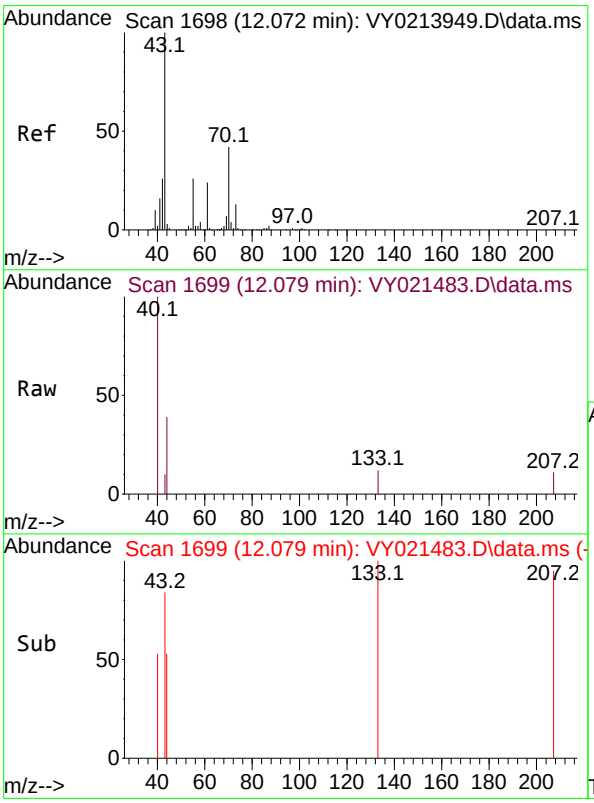
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion:152 Resp: 404

Ion	Ratio	Lower	Upper
152	100		
115	53.5	29.0	87.0
150	117.3	0.0	347.2

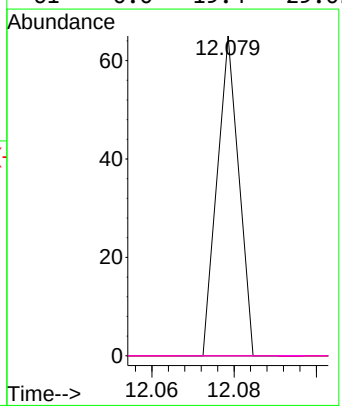


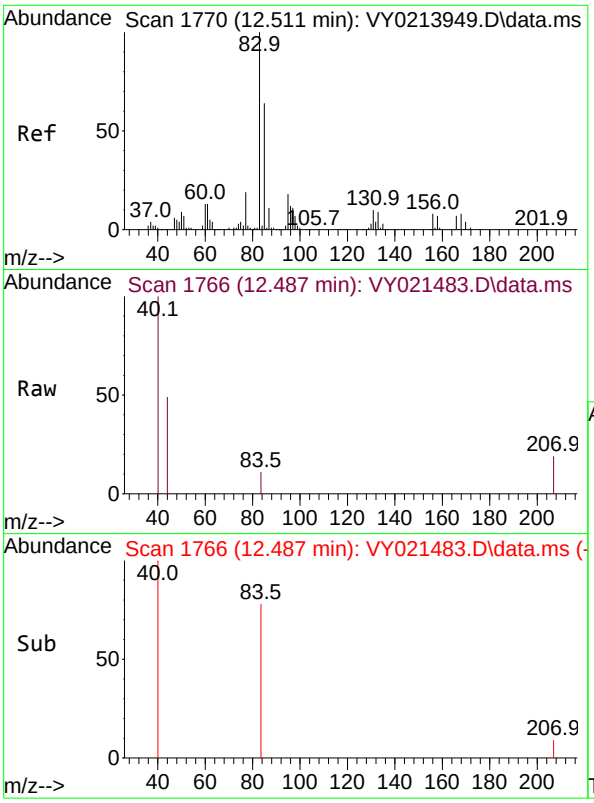


#74
N-amyl acetate
Concen: 3.473 ug/l
RT: 12.079 min Scan# 1699
Delta R.T. 0.007 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 43 Resp: 24

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.6	51.8#
55	0.0	21.1	31.7#
61	0.0	19.4	29.0#



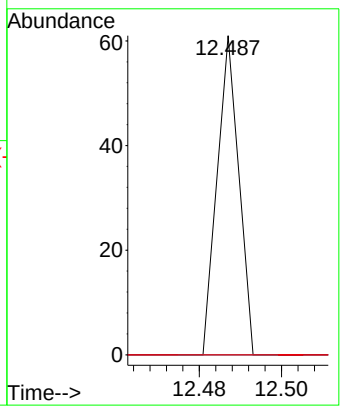


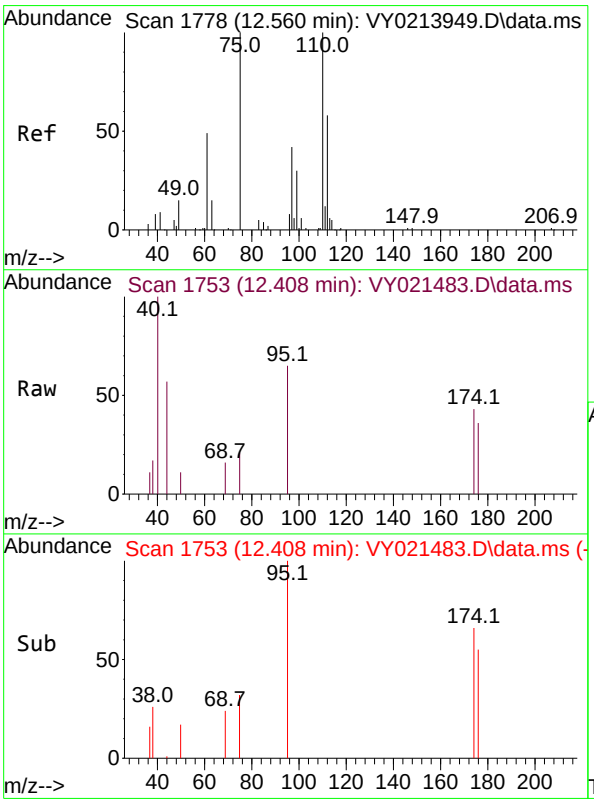
#75
1,1,2,2-Tetrachloroethane
Concen: 3.917 ug/l
RT: 12.487 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 83 Resp: 22

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	31.9	95.5#

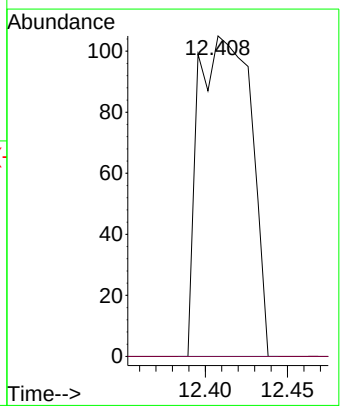


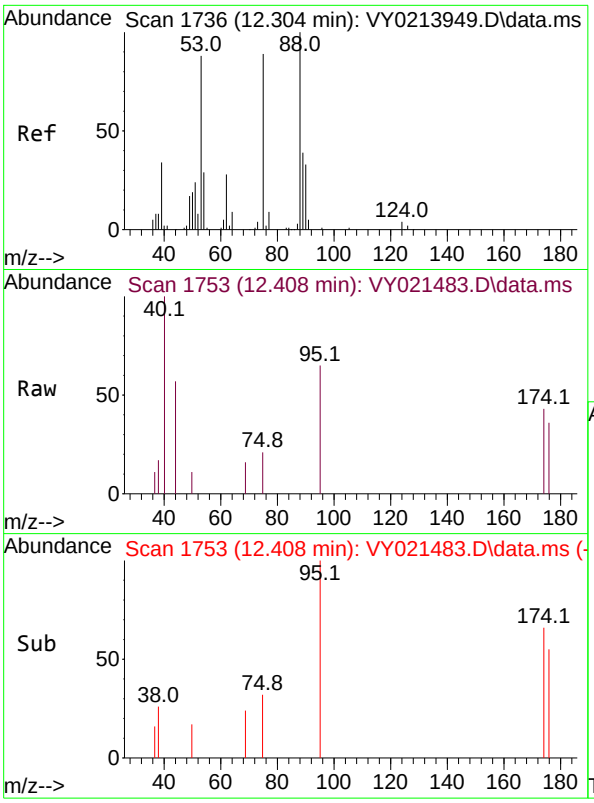


#76
1,2,3-Trichloropropane
Concen: 57.233 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Tgt Ion: 75 Resp: 233

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 130.110 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY021483.D
Acq: 11 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 75 Resp: 233

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