Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
Data File : VD080238.D
Acq On : 04 Feb 2025 15:53
Operator : RP/MD
Sample : Q1236-02
Misc : 5.03G/5ml/MSVOA_D/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 05 00:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 05:44:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	7896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	14310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	13671	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	5396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7351	71.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.140%			
35) Dibromofluoromethane	7.799	113	6183	60.965	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.920%			
50) Toluene-d8	10.269	98	14890	39.590	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 79.180%			
62) 4-Bromofluorobenzene	12.569	95	4762	39.460	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.111	85	117	Below Cal	#	43
3) Chloromethane	2.146	50	346	2.104	ug/l #	87
5) Bromomethane	2.693	94	190	Below Cal	#	77
6) Chloroethane	2.817	64	196	1.479	ug/l #	45
8) Diethyl Ether	3.546	74	139	3.081	ug/l	50
9) 1,1,2-Trichlorotrifluo...	4.105	101	112	1.173	ug/l #	20
10) Methyl Iodide	4.152	142	63	4.954	ug/l #	40
11) Tert butyl alcohol	5.075	59	117	20.622	ug/l #	75
13) Acrolein	3.770	56	58	5.422	ug/l #	13
14) Allyl chloride	4.564	41	220	1.579	ug/l #	25
15) Acrylonitrile	5.187	53	54	2.491	ug/l #	1
16) Acetone	4.022	43	282	17.036	ug/l	88
18) Methyl Acetate	4.564	43	261	4.673	ug/l #	51
25) 2-Butanone	7.087	43	55	2.142	ug/l #	50
29) Tetrahydrofuran	7.422	42	57	3.389	ug/l #	5
31) Cyclohexane	7.858	56	255	1.676	ug/l #	57
36) 1,1-Dichloropropene	7.881	75	814	5.604	ug/l #	42
38) Carbon Tetrachloride	7.881	117	1024	6.749	ug/l #	10
41) Methacrylonitrile	7.428	41	56	1.428	ug/l #	1
48) Methyl methacrylate	9.352	41	155	2.650	ug/l #	35
51) 4-Methyl-2-Pentanone	10.246	43	178	2.785	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.887	63	123	3.046	ug/l #	49
59) 2-Hexanone	10.969	43	131	3.123	ug/l	89
74) N-amyl acetate	12.234	43	140	1.459	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.498	83	76	1.001	ug/l #	25
76) 1,2,3-Trichloropropane	12.575	75	2443	44.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	2443	91.525	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.457	75	147	12.166	ug/l #	3
95) Naphthalene	15.339	128	379	1.718	ug/l #	68

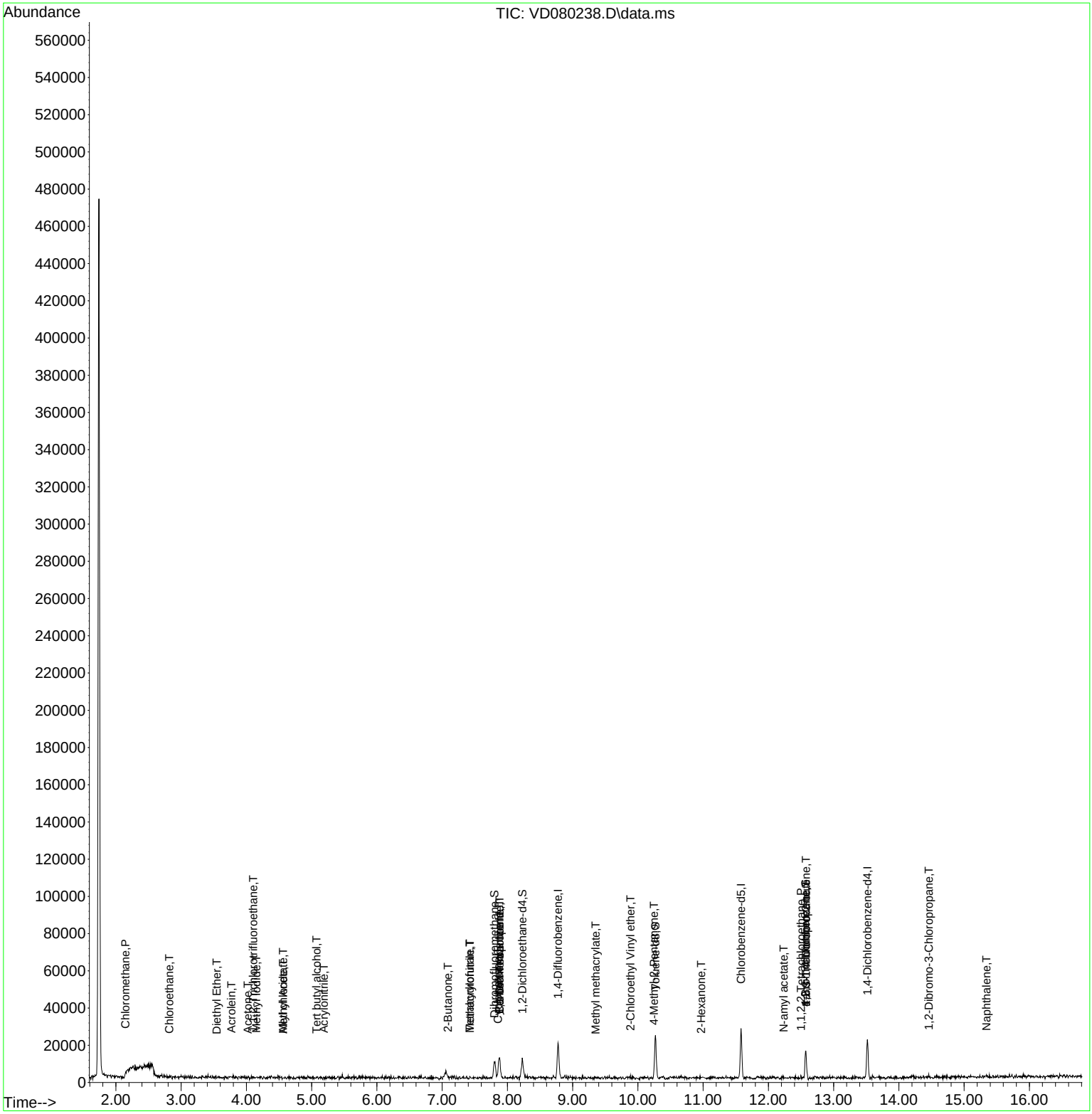
(#) = qualifier out of range (m) = manual integration (+) = signals summed

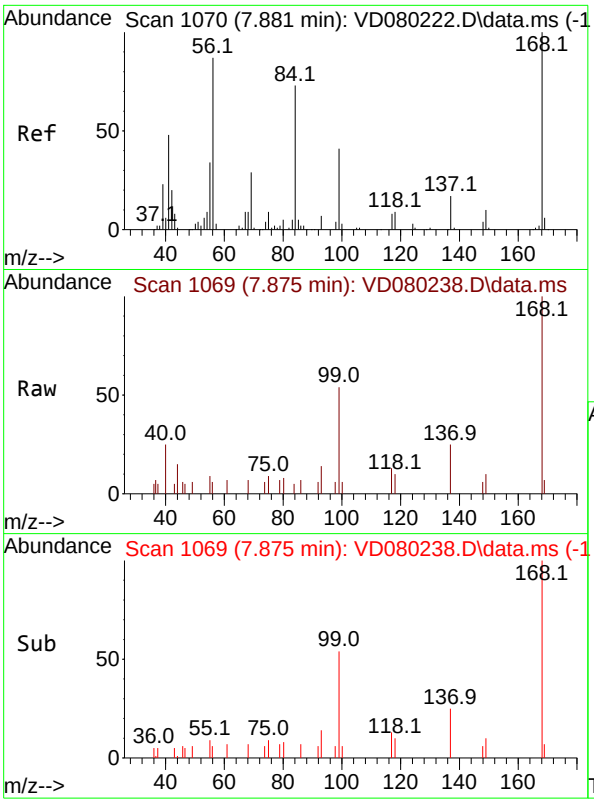
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
Data File : VD080238.D
Acq On : 04 Feb 2025 15:53
Operator : RP/MD
Sample : Q1236-02
Misc : 5.03G/5ml/MSVOA_D/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 05 00:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 05:44:14 2025
Response via : Initial Calibration



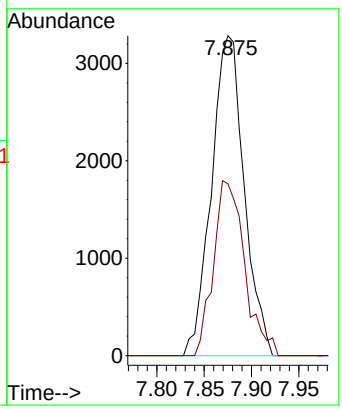


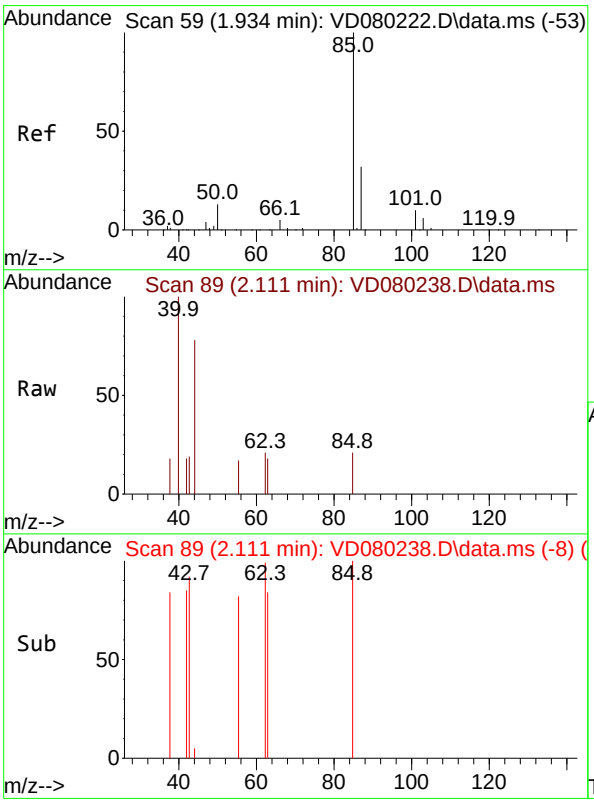
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 7896

Ion	Ratio	Lower	Upper
168	100		
99	53.7	44.4	66.6

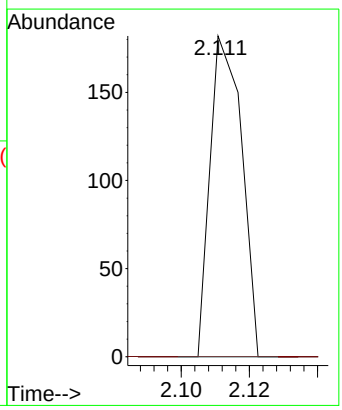


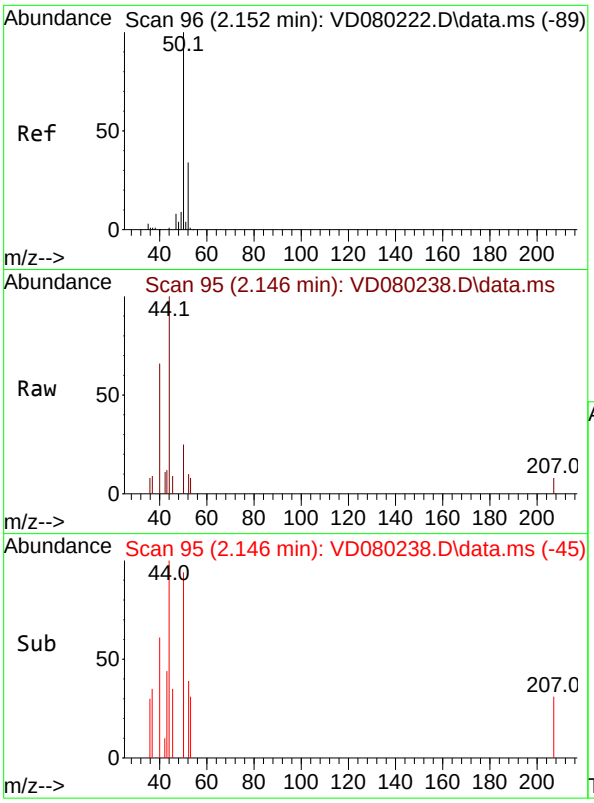


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.111 min Scan# 89
Delta R.T. 0.177 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 85 Resp: 117

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.0	47.9#



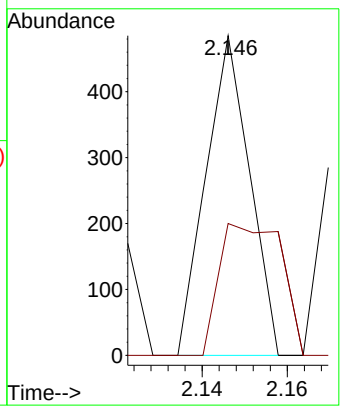


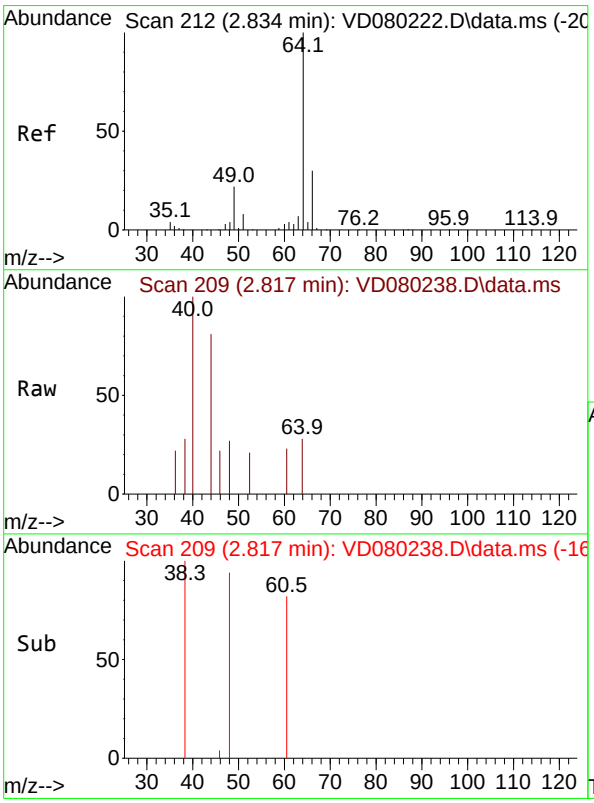
#3
Chloromethane
Concen: 2.104 ug/l
RT: 2.146 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 50 Resp: 346

Ion	Ratio	Lower	Upper
50	100		
52	41.2	27.2	40.8#

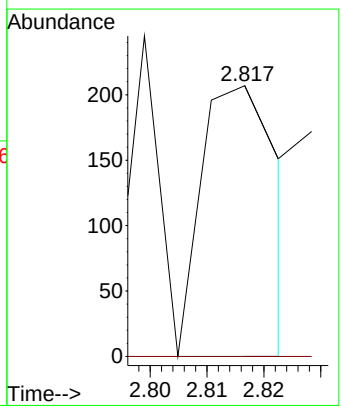


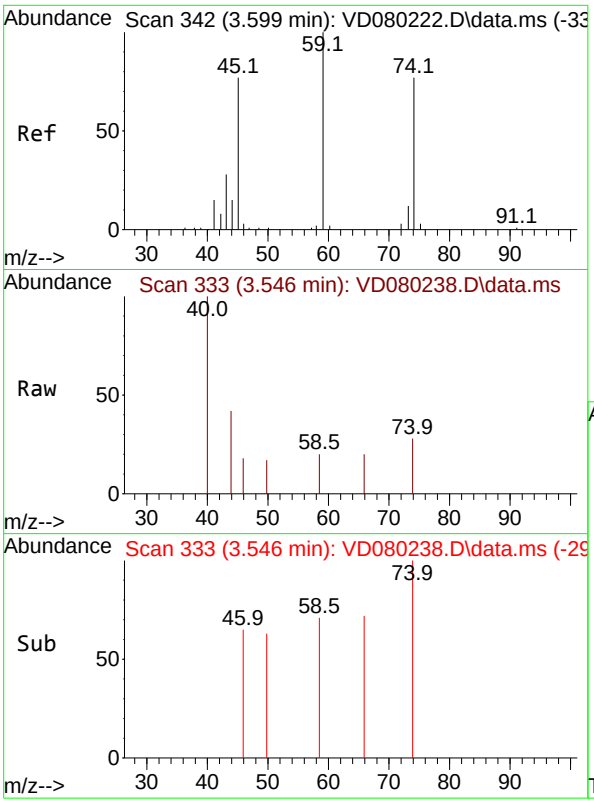


#6
Chloroethane
Concen: 1.479 ug/l
RT: 2.817 min Scan# 209
Delta R.T. -0.017 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 64 Resp: 196

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.8	35.8#



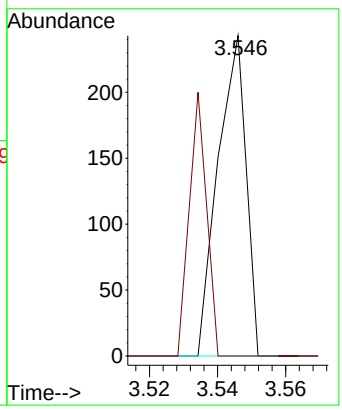


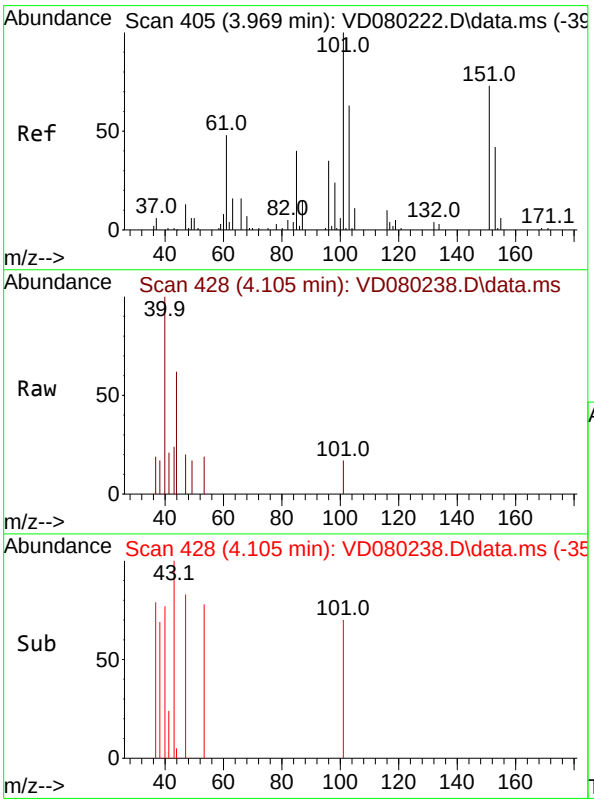
#8
Diethyl Ether
Concen: 3.081 ug/l
RT: 3.546 min Scan# 3
Delta R.T. -0.053 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 74 Resp: 139

Ion	Ratio	Lower	Upper
74	100		
45	51.1	51.0	153.1

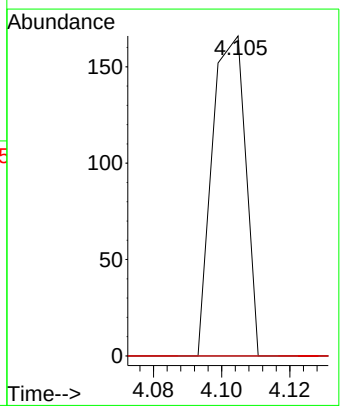


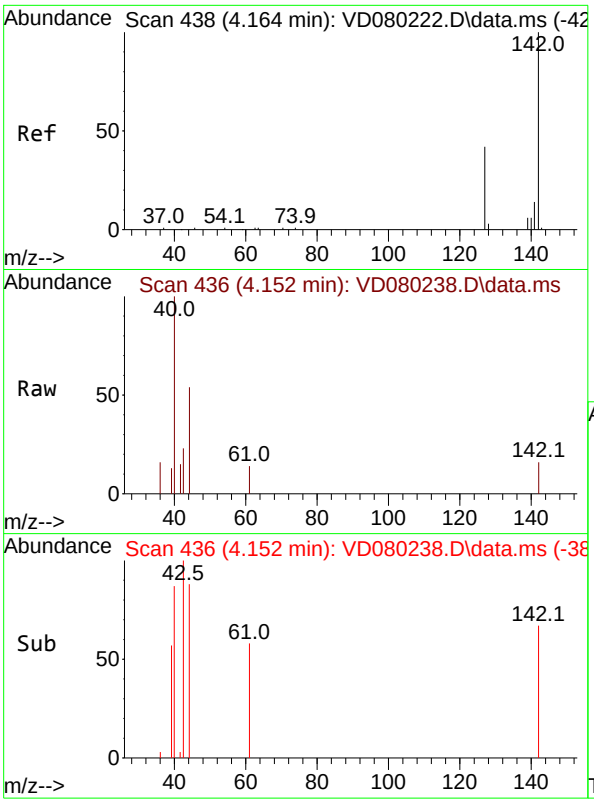


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.173 ug/l
RT: 4.105 min Scan# 428
Delta R.T. 0.135 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion:101 Resp: 112

Ion	Ratio	Lower	Upper
101	100		
85	0.0	36.2	54.4#
151	0.0	59.0	88.6#



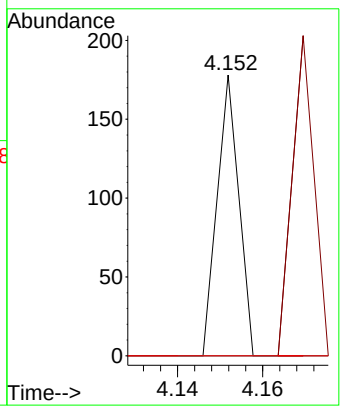


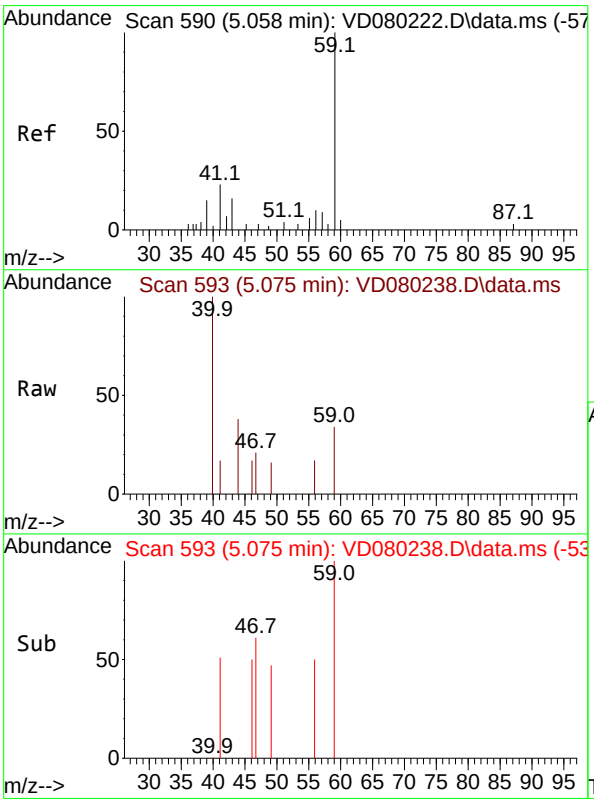
#10
Methyl Iodide
Concen: 4.954 ug/l
RT: 4.152 min Scan# 4
Delta R.T. -0.012 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:142 Resp: 63

Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.2#
141	0.0	12.6	18.8#

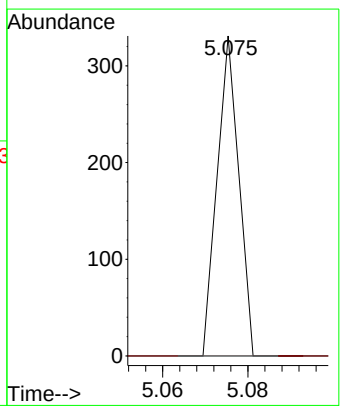


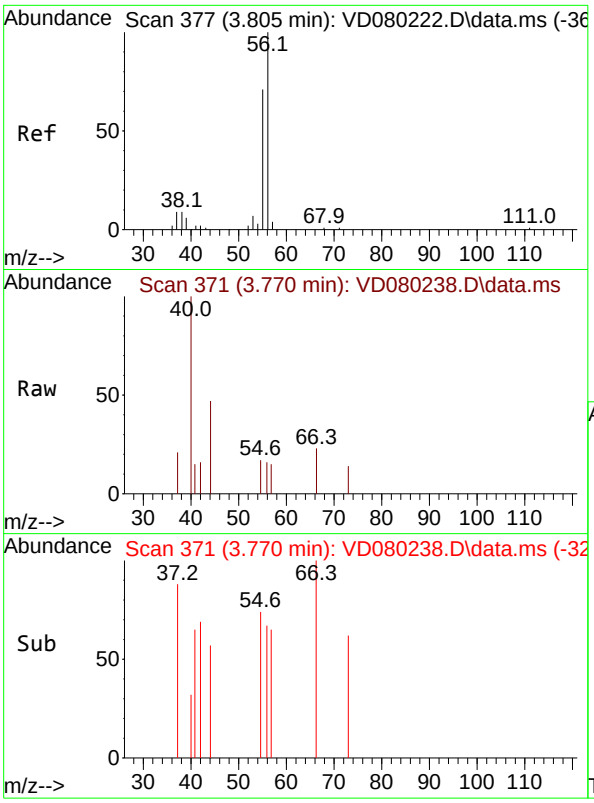


#11
Tert butyl alcohol
Concen: 20.622 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.018 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 59 Resp: 117

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.2	10.8#



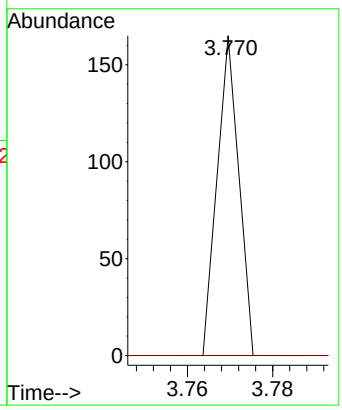


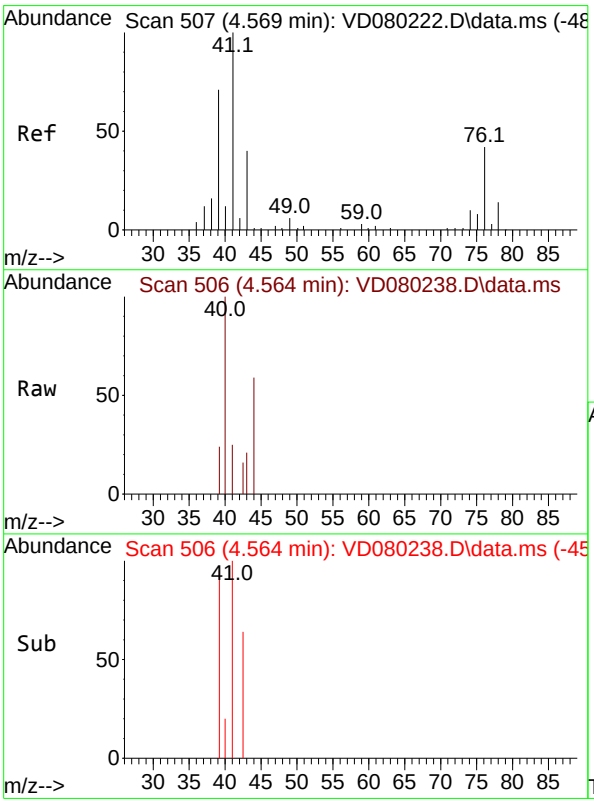
#13
Acrolein
Concen: 5.422 ug/l
RT: 3.770 min Scan# 3
Delta R.T. -0.035 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 58

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.8	86.8#

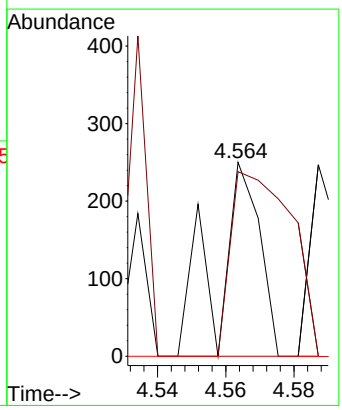


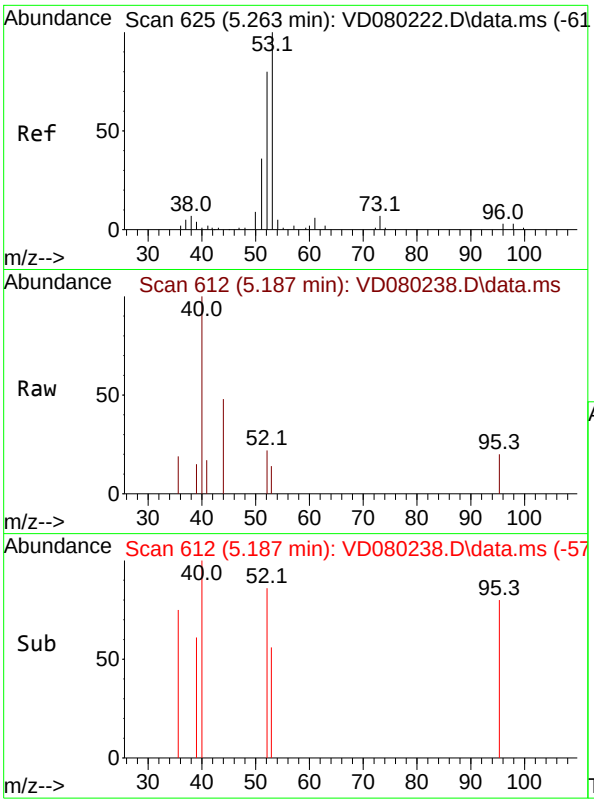


#14
Allyl chloride
Concen: 1.579 ug/l
RT: 4.564 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 41 Resp: 220

Ion	Ratio	Lower	Upper
41	100		
39	134.5	55.0	82.4#
76	0.0	31.0	46.4#



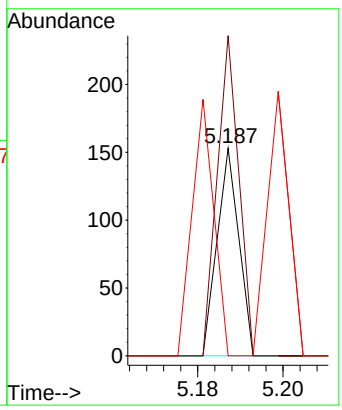


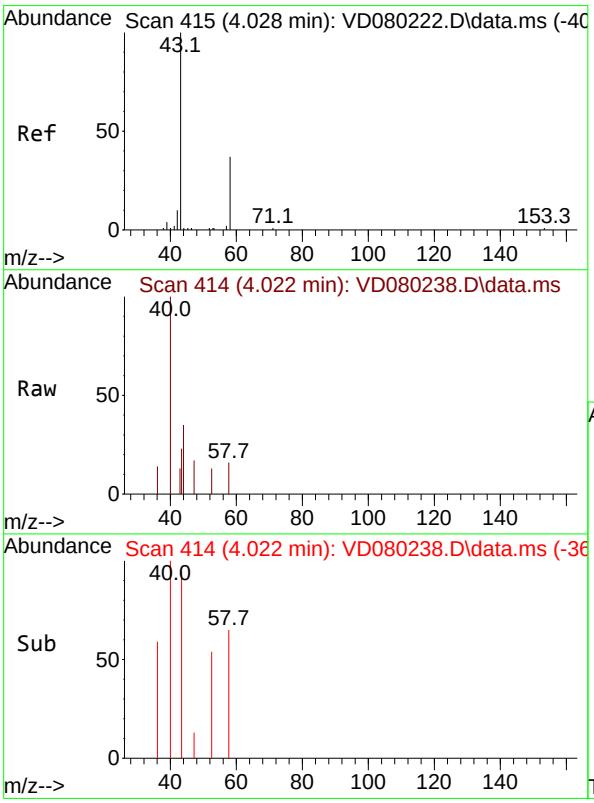
#15
Acrylonitrile
Concen: 2.491 ug/l
RT: 5.187 min Scan# 61
Delta R.T. -0.076 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 53 Resp: 54

Ion	Ratio	Lower	Upper
53	100		
52	153.7	65.9	98.9#
51	124.1	30.1	45.1#

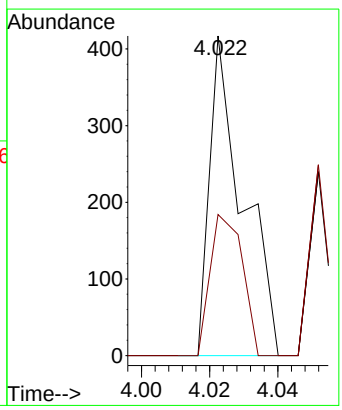


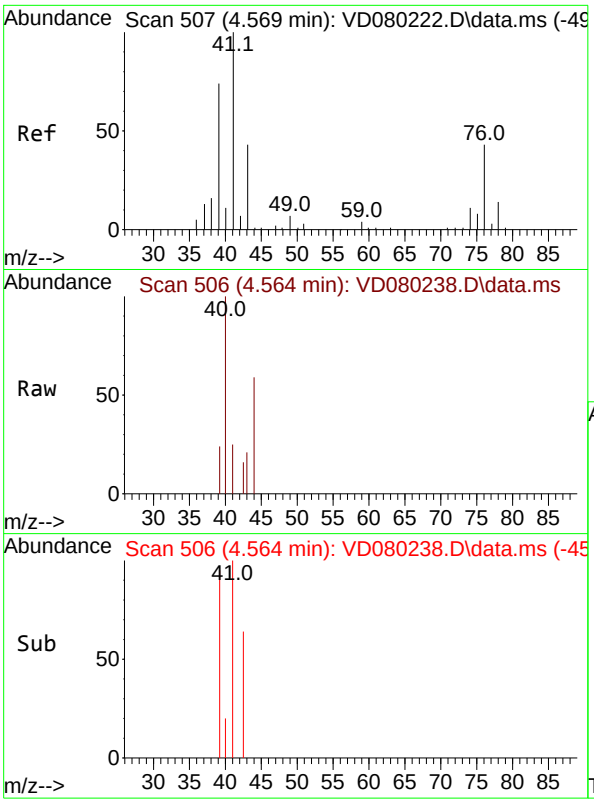


#16
Acetone
Concen: 17.036 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 43 Resp: 282

Ion	Ratio	Lower	Upper
43	100		
58	44.1	29.5	44.3



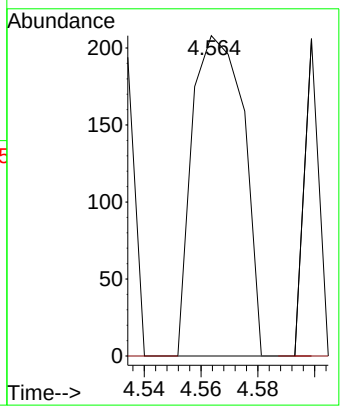


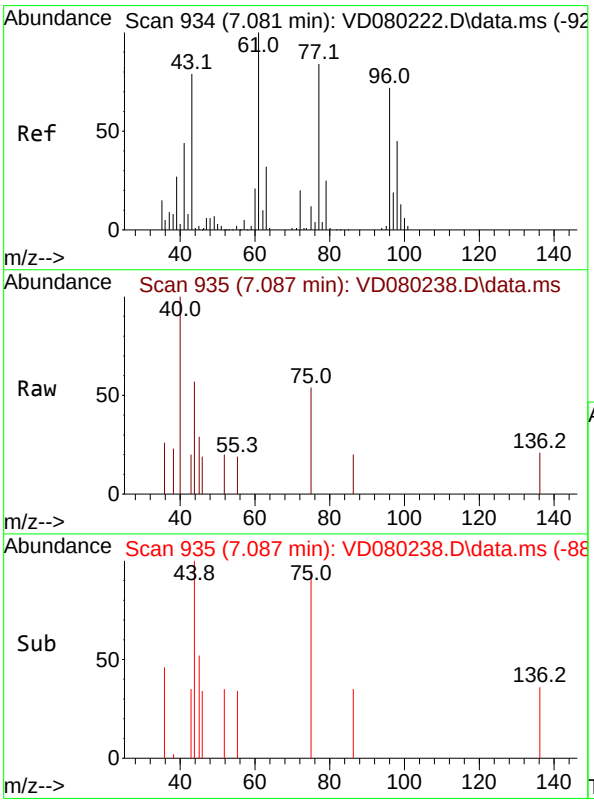
#18
Methyl Acetate
Concen: 4.673 ug/l
RT: 4.564 min Scan# 5
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 261

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.2#

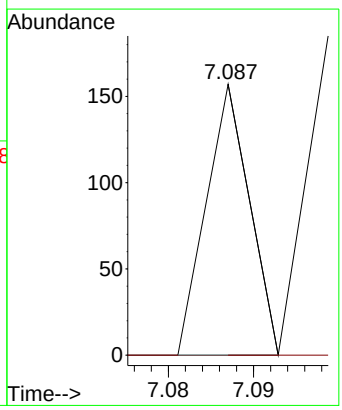


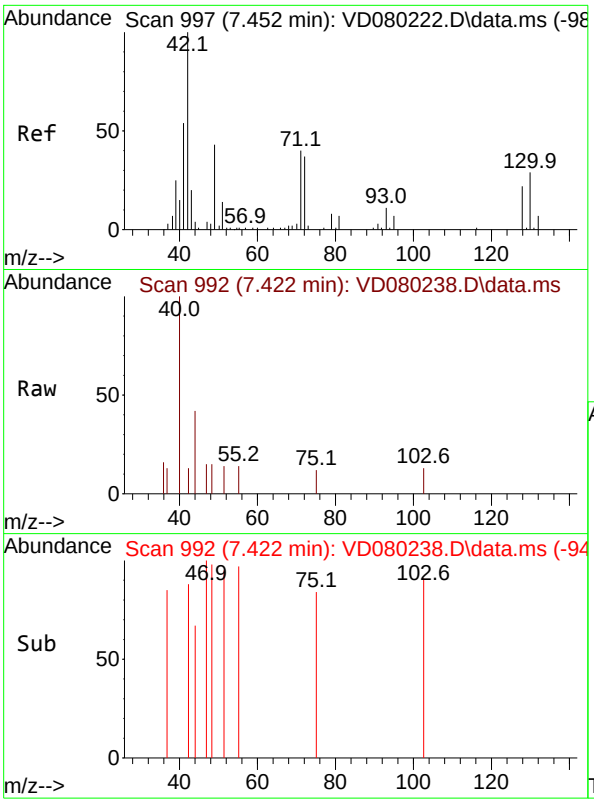


#25
2-Butanone
Concen: 2.142 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#



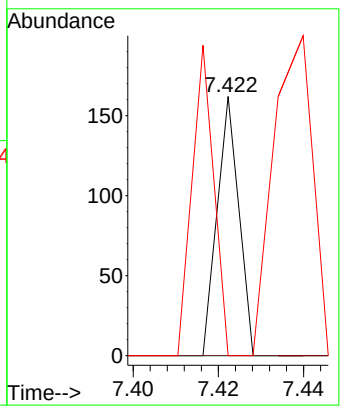


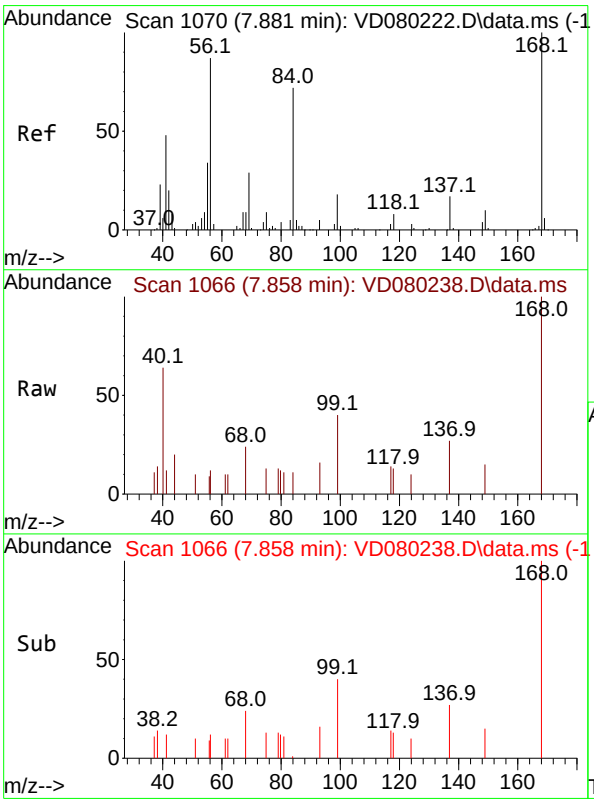
#29
Tetrahydrofuran
Concen: 3.389 ug/l
RT: 7.422 min Scan# 9
Delta R.T. -0.029 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 42 Resp: 57

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.5	50.3#
71	119.3	32.9	49.3#

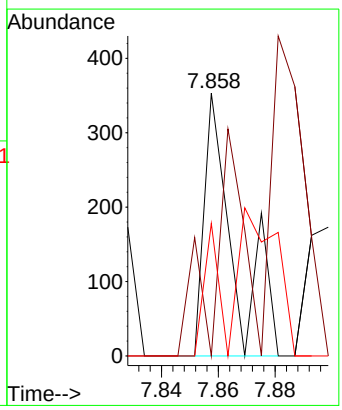


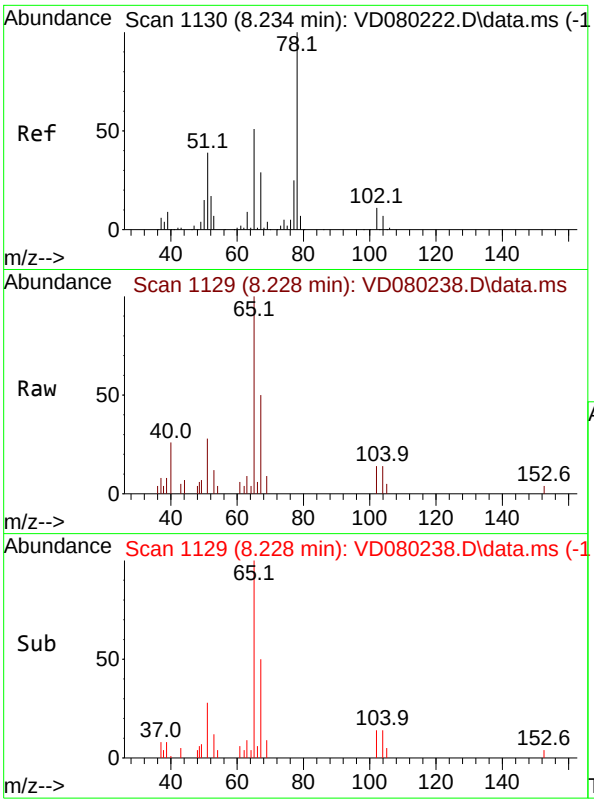


#31
Cyclohexane
Concen: 1.676 ug/l
RT: 7.858 min Scan# 1066
Delta R.T. -0.023 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 56 Resp: 255

Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.0	40.4#
84	50.4	66.3	99.5#



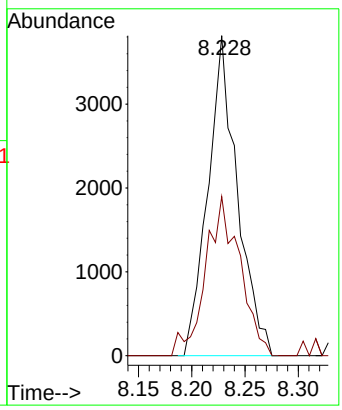


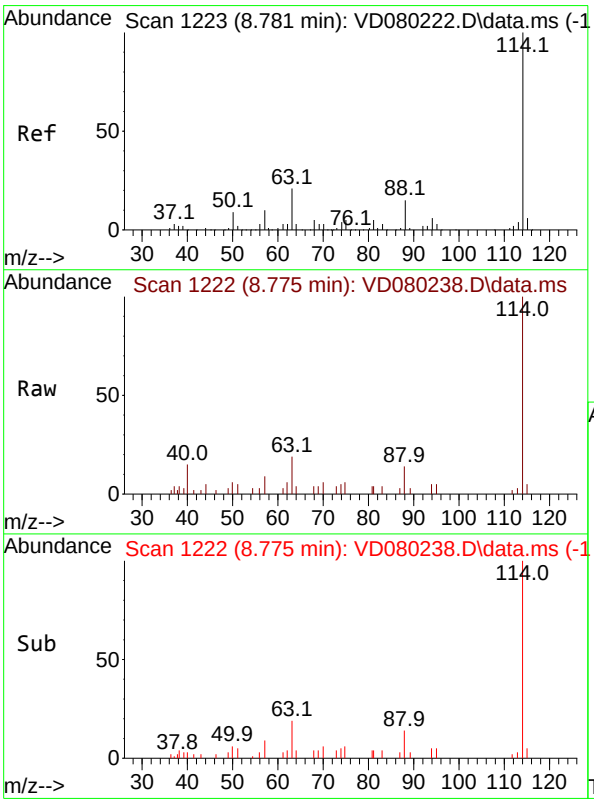
#33
1,2-Dichloroethane-d4
Concen: 71.570 ug/l
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 7351

Ion	Ratio	Lower	Upper
65	100		
67	57.8	0.0	107.6

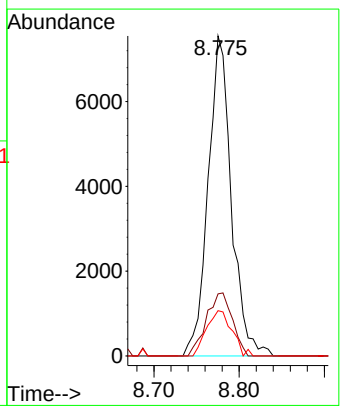


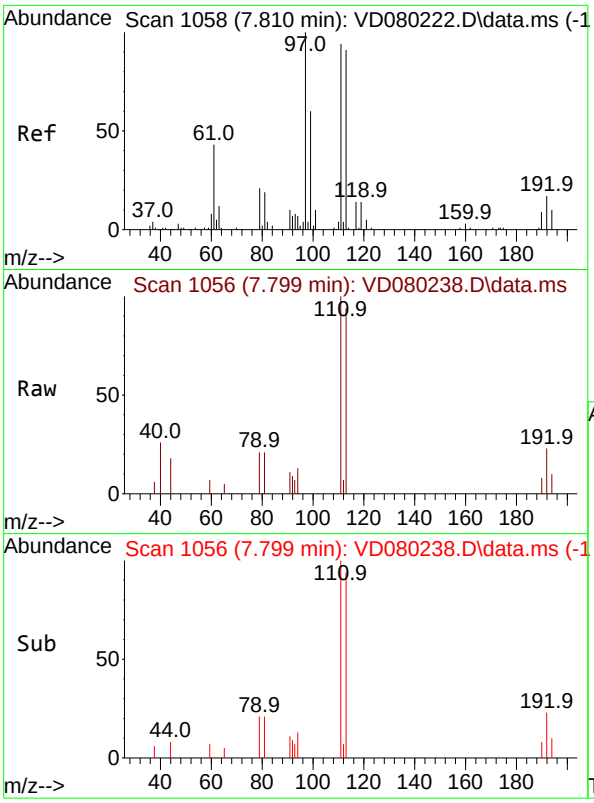


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion:114 Resp: 14310

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.8
88	14.1	0.0	30.4



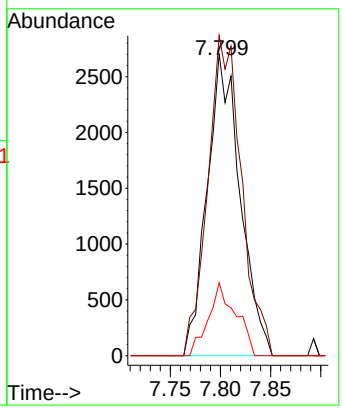


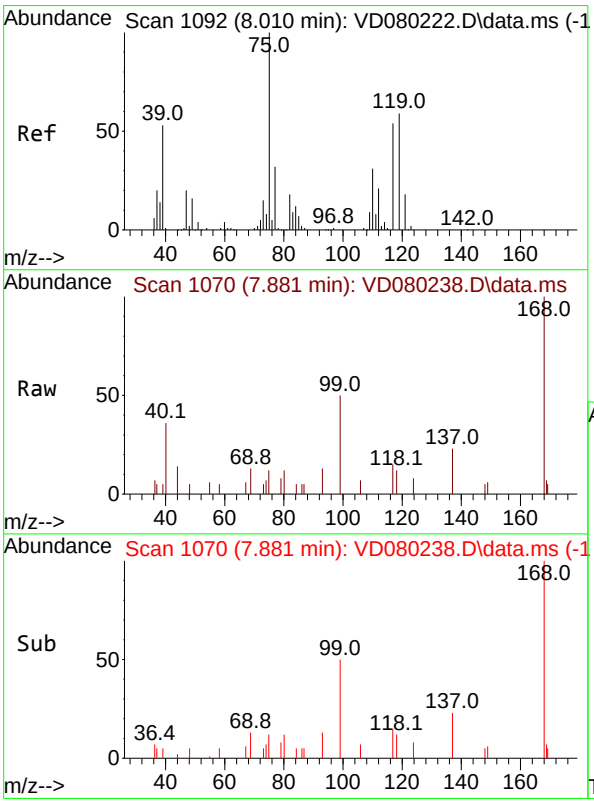
#35
Dibromofluoromethane
Concen: 60.965 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 6183

Ion	Ratio	Lower	Upper
113	100		
111	108.0	85.0	127.4
192	20.0	15.5	23.3

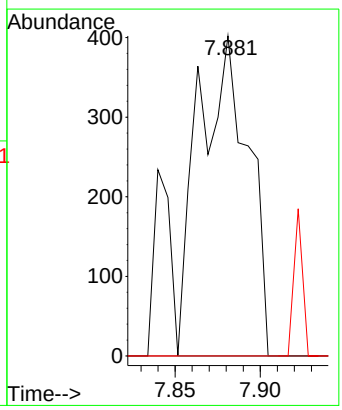


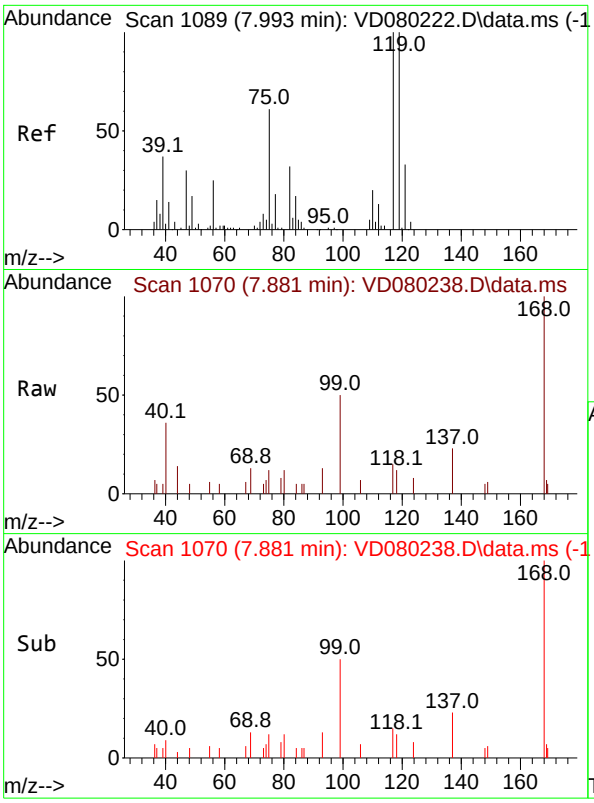


#36
1,1-Dichloropropene
Concen: 5.604 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 75 Resp: 814

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	25.6	38.4#



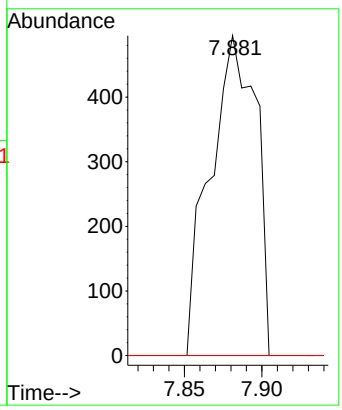


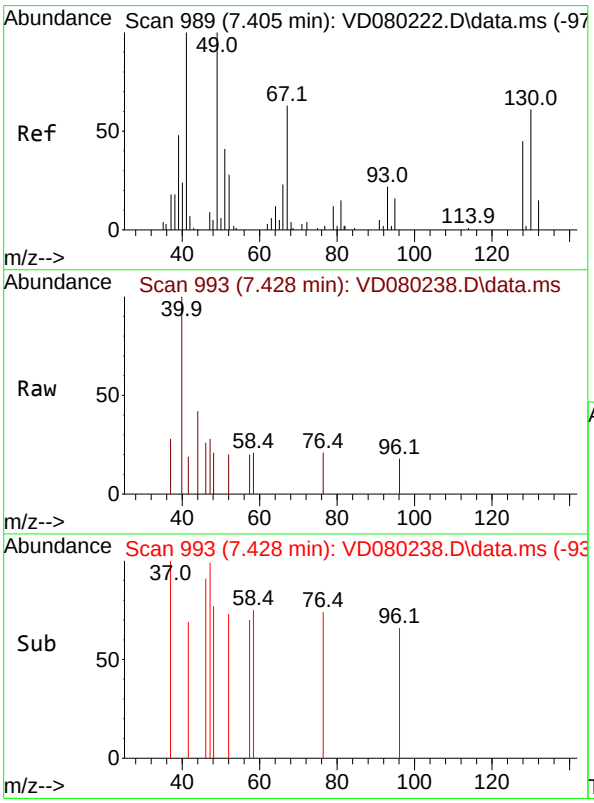
#38
Carbon Tetrachloride
Concen: 6.749 ug/l
RT: 7.881 min Scan# 1
Delta R.T. -0.112 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 1024

Ion	Ratio	Lower	Upper
117	100		
119	0.0	79.8	119.6#
121	0.0	26.6	39.8#

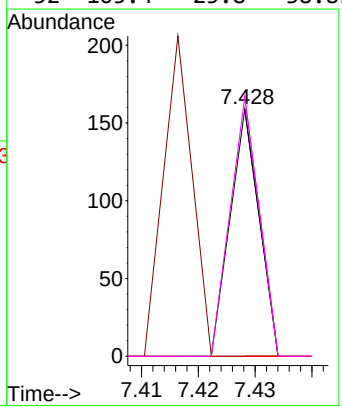


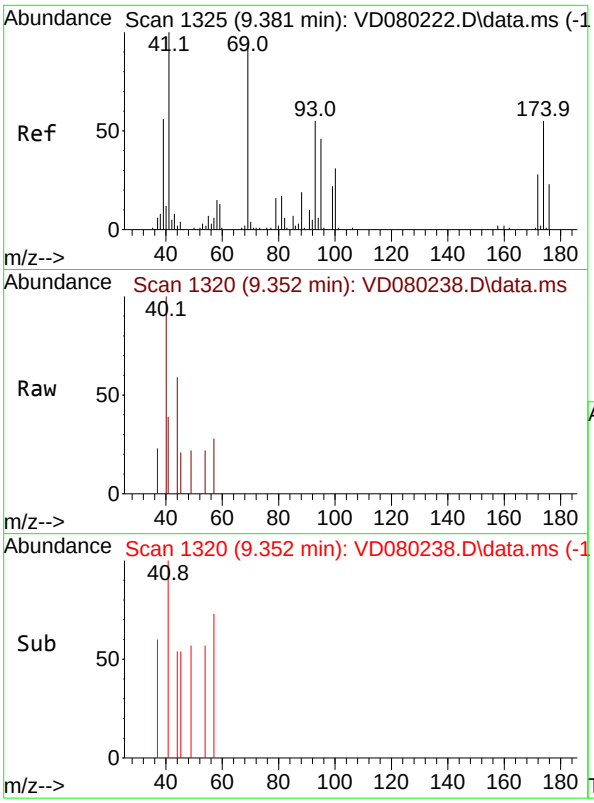


#41
Methacrylonitrile
Concen: 1.428 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.024 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 41 Resp: 56

Ion	Ratio	Lower	Upper
41	100		
39	130.4	44.7	67.1#
67	0.0	55.0	82.4#
52	105.4	25.8	38.8#



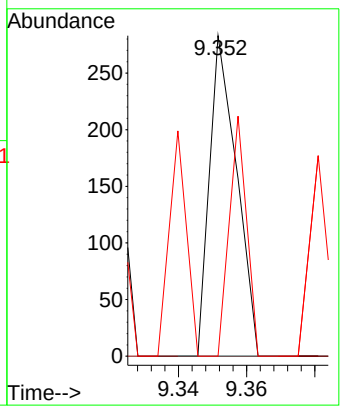


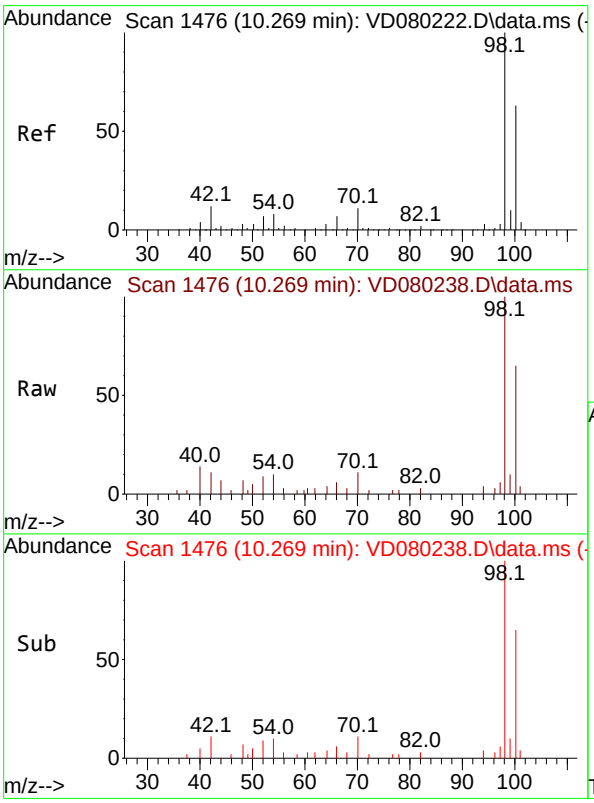
#48
Methyl methacrylate
Concen: 2.650 ug/l
RT: 9.352 min Scan# 1
Delta R.T. -0.029 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 41 Resp: 155

Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.7	110.5#
39	48.4	49.4	74.2#

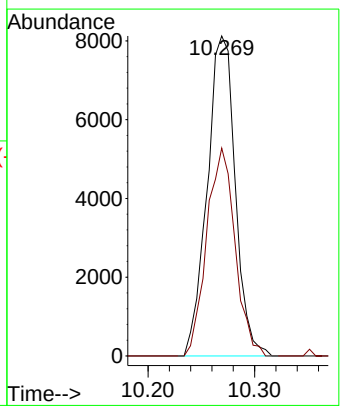


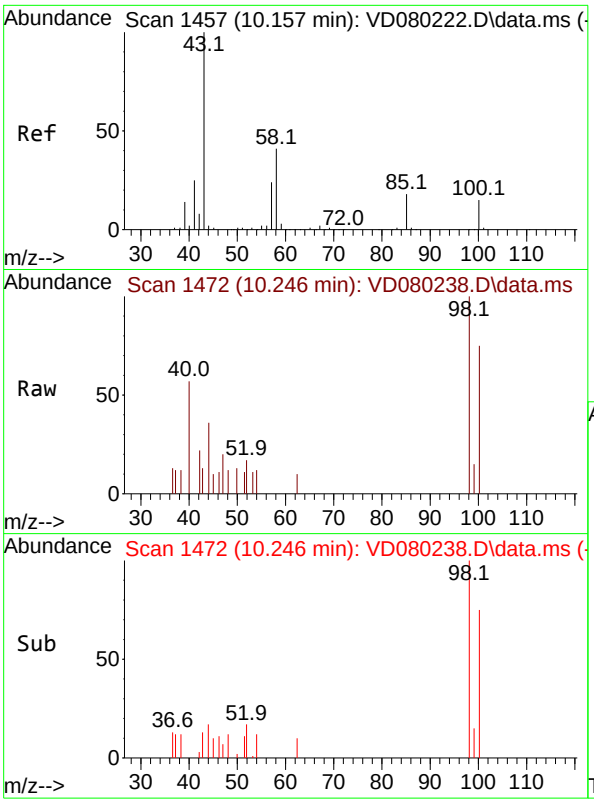


#50
Toluene-d8
Concen: 39.590 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 98 Resp: 14890

Ion	Ratio	Lower	Upper
98	100		
100	65.4	50.2	75.4



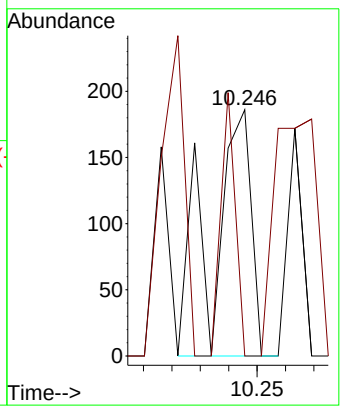


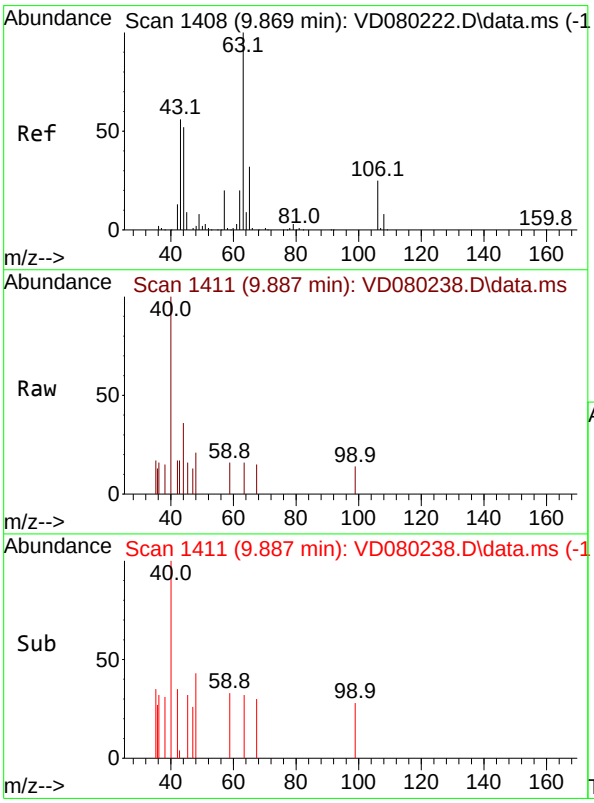
#51
4-Methyl-2-Pentanone
Concen: 2.785 ug/l
RT: 10.246 min Scan# 14
Delta R.T. 0.088 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 178

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.1	46.7

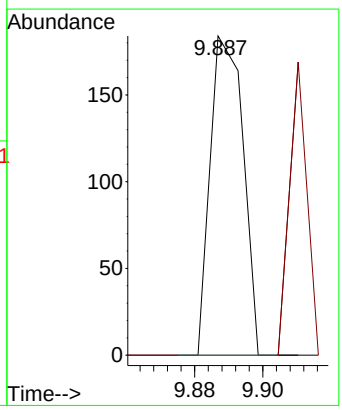


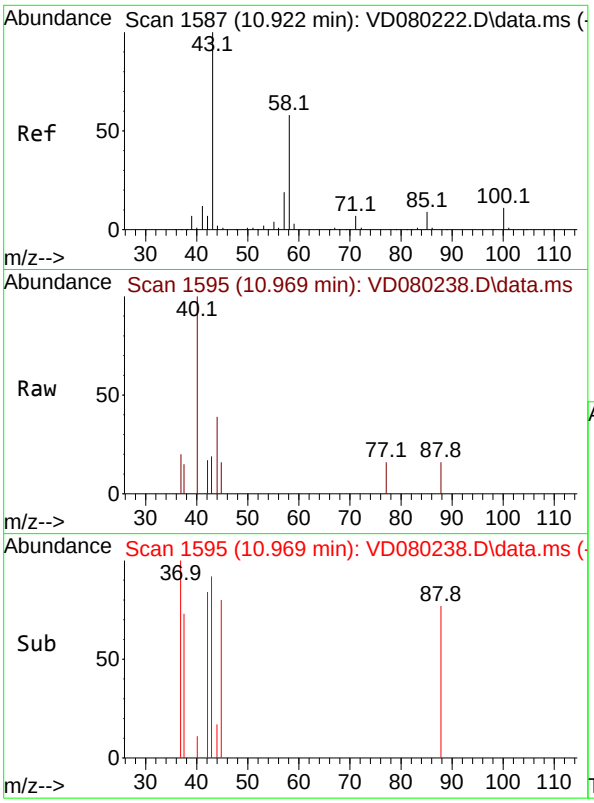


#58
2-Chloroethyl Vinyl ether
Concen: 3.046 ug/l
RT: 9.887 min Scan# 1411
Delta R.T. 0.018 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 63 Resp: 123

Ion	Ratio	Lower	Upper
63	100		
106	0.0	20.6	30.8#



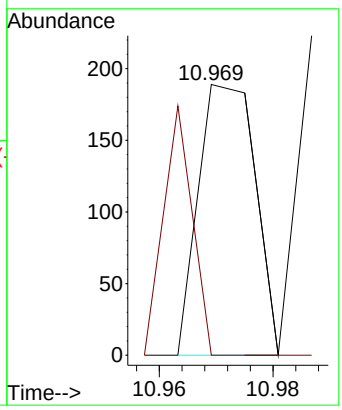


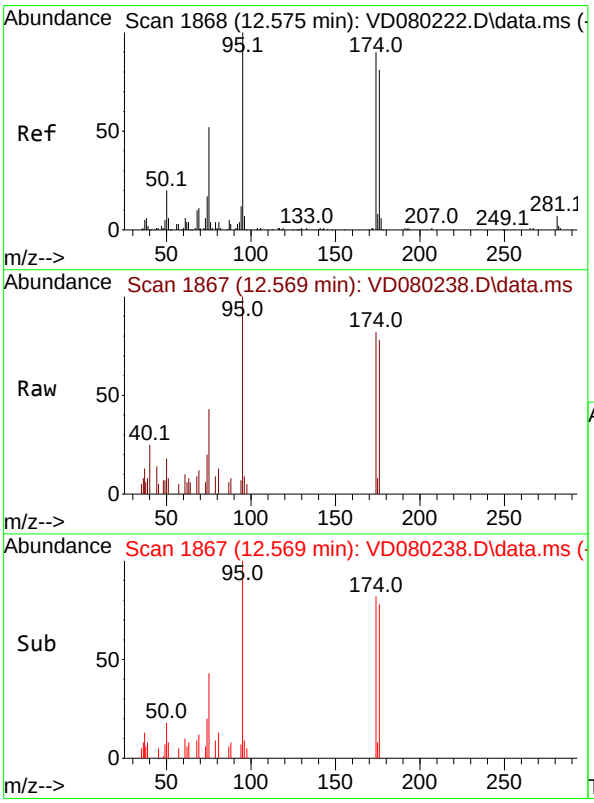
#59
2-Hexanone
Concen: 3.123 ug/l
RT: 10.969 min Scan# 1
Delta R.T. 0.047 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 131

Ion	Ratio	Lower	Upper
43	100		
58	46.6	27.4	82.2

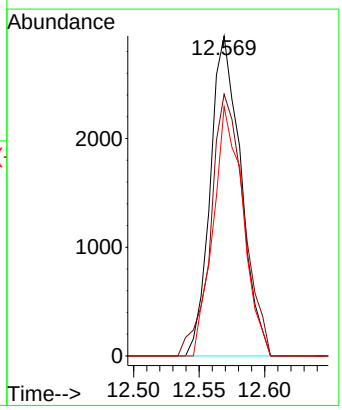


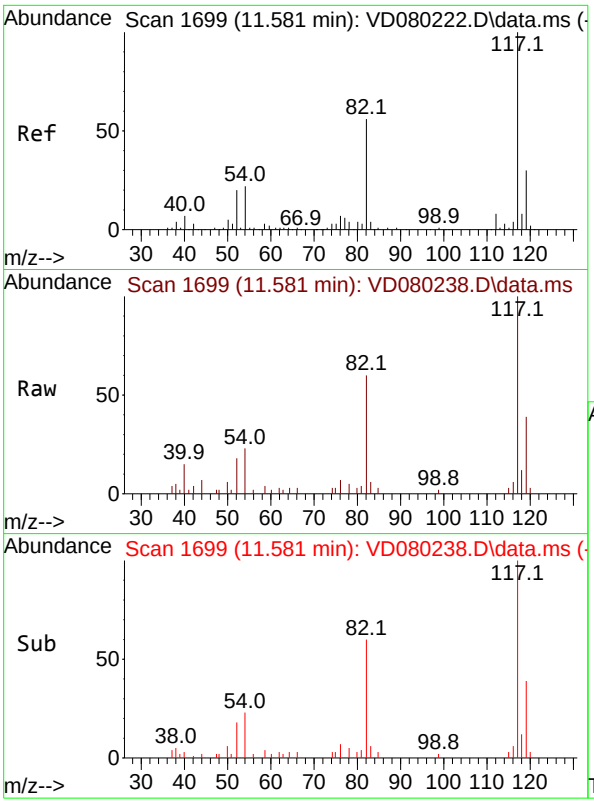


#62
4-Bromofluorobenzene
Concen: 39.460 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 95 Resp: 4762

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	171.8
176	76.3	0.0	159.6



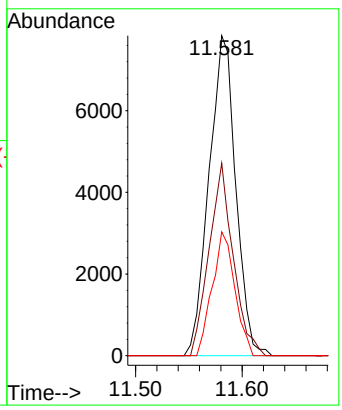


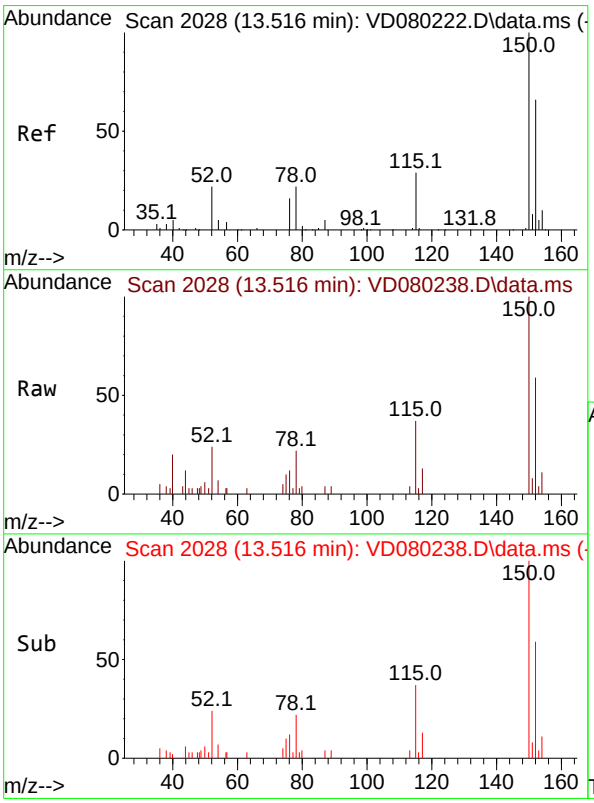
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 13671

Ion	Ratio	Lower	Upper
117	100		
82	60.2	45.0	67.6
119	38.7	24.3	36.5#

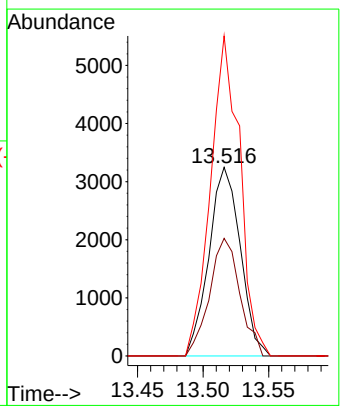


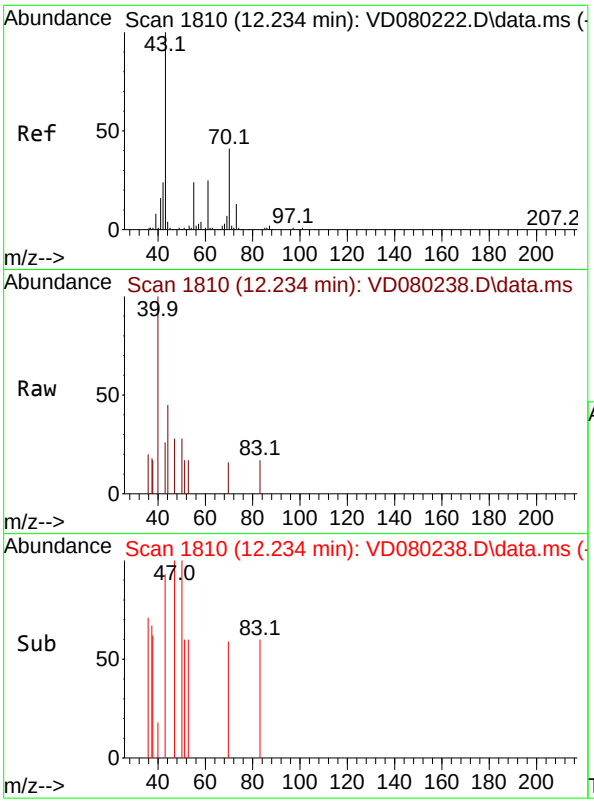


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion:152 Resp: 5396

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.1
150	158.8	0.0	350.4



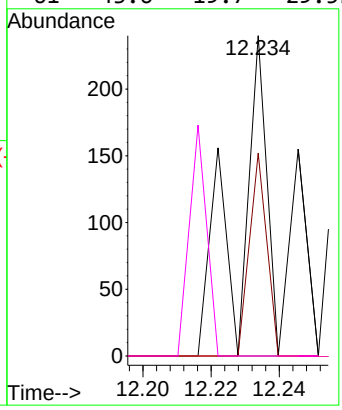


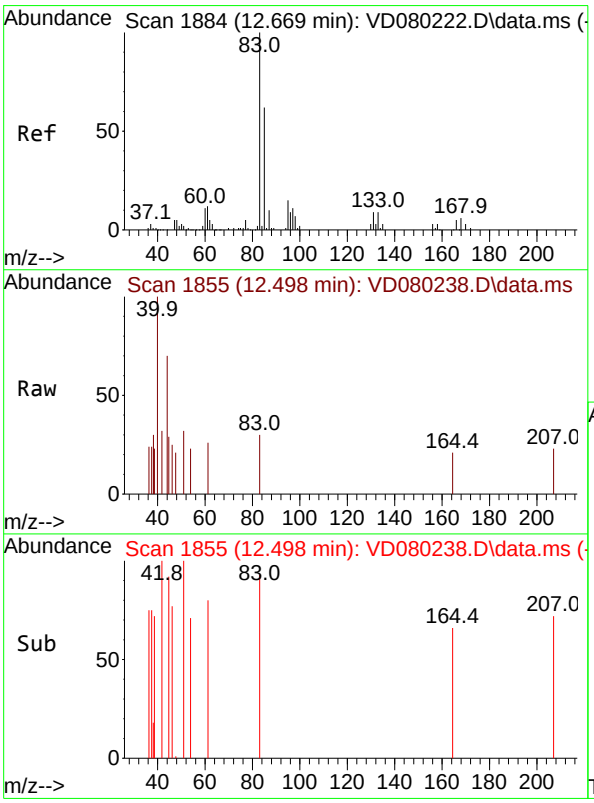
#74
N-amyl acetate
Concen: 1.459 ug/l
RT: 12.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 140

Ion	Ratio	Lower	Upper
43	100		
70	38.6	33.6	50.4
55	0.0	21.4	32.0#
61	43.6	19.7	29.5#

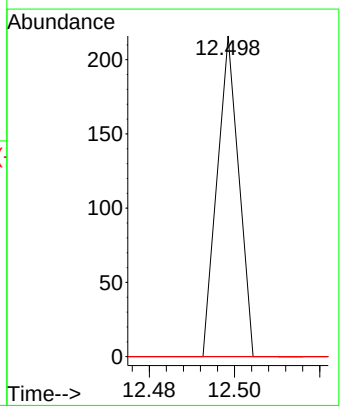


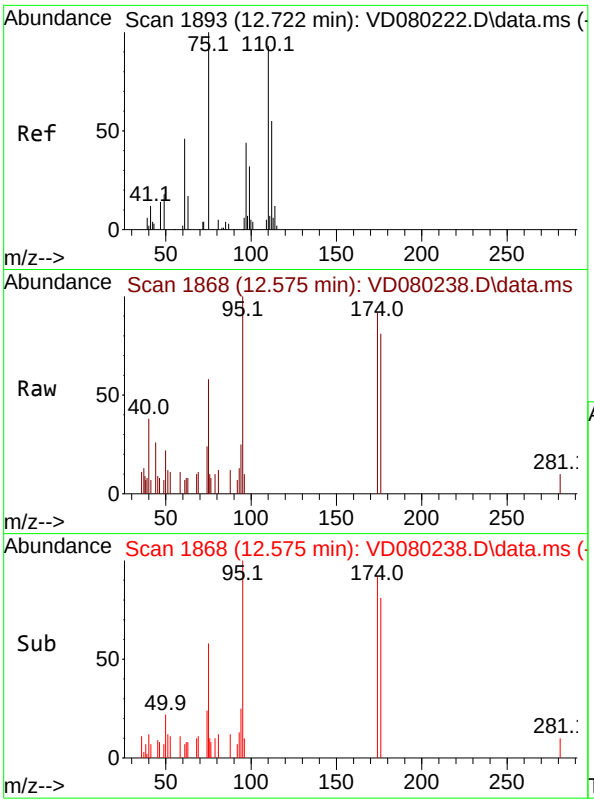


#75
1,1,2,2-Tetrachloroethane
Concen: 1.001 ug/l
RT: 12.498 min Scan# 1855
Delta R.T. -0.171 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 83 Resp: 76

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.4	97.0#



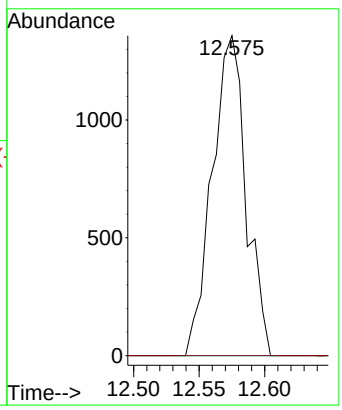


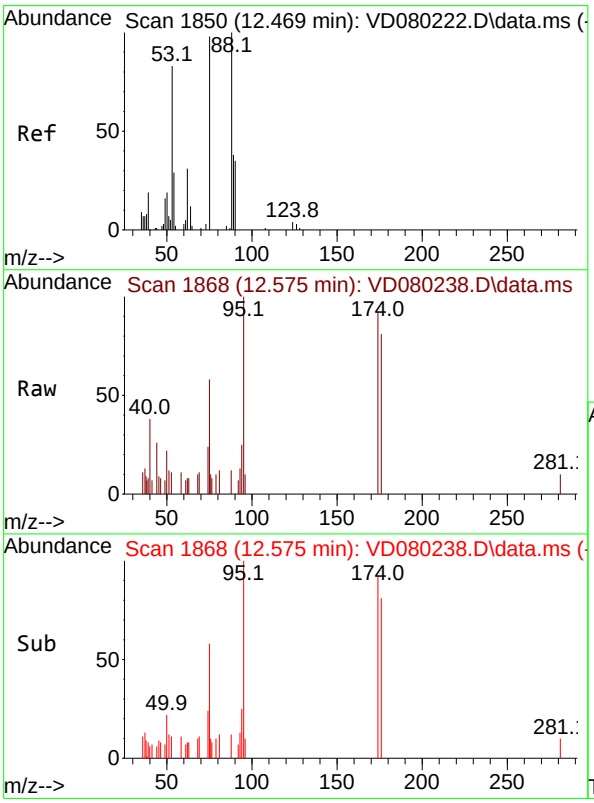
#76
1,2,3-Trichloropropane
Concen: 44.760 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.147 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 2443

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

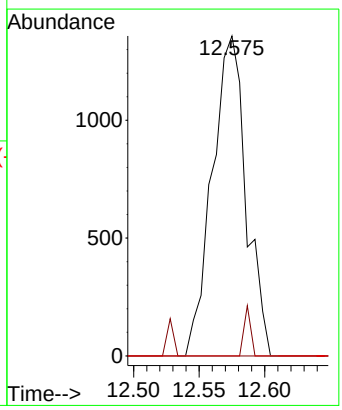


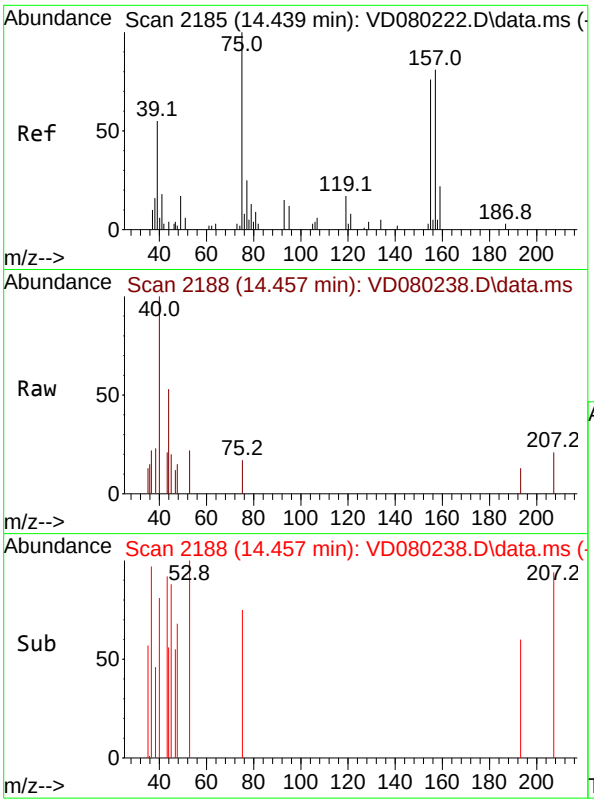


#81
trans-1,4-Dichloro-2-butene
Concen: 91.525 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion: 75 Resp: 2443

Ion	Ratio	Lower	Upper
75	100		
53	3.1	69.1	103.7#
89	0.0	36.5	54.7#



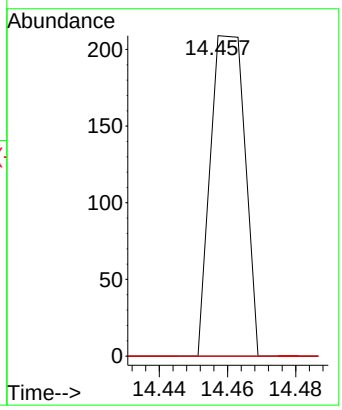


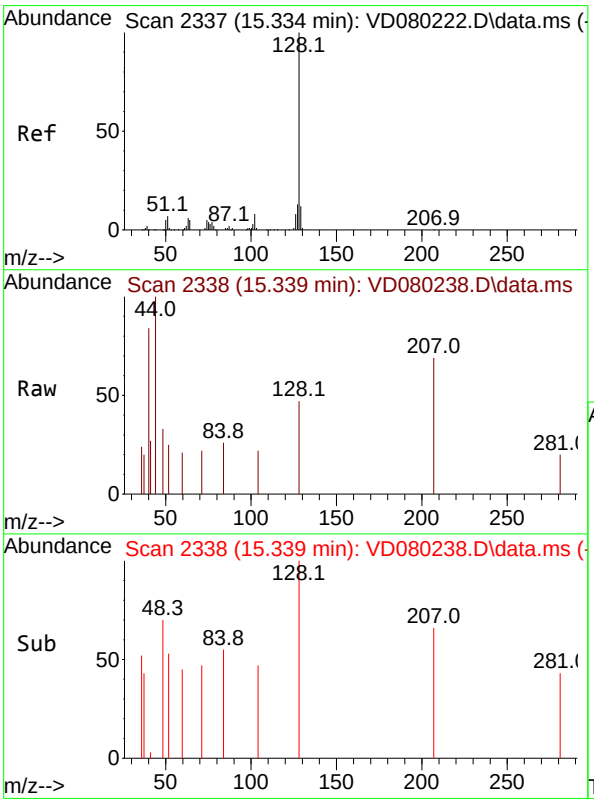
#92
1,2-Dibromo-3-Chloropropane
Concen: 12.166 ug/l
RT: 14.457 min Scan# 2
Delta R.T. 0.018 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 147

Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.5	124.6#
157	0.0	50.5	151.5#





#95
Naphthalene
Concen: 1.718 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.005 min
Lab File: VD080238.D
Acq: 04 Feb 2025 15:53

Tgt Ion:128 Resp: 379

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	9.4	14.0#