Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\

Quantitation Report (Not Reviewed)

Data File : VD065038.D
Acq On : 31 Jan 2020 17:16
Operator : VA/SY
Sample : L1345-02
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Quant Time: Feb 03 00:25:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	8524	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.87	114	13101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	14080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	7184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	7103	86.87	ug/l	0.00
Spiked Amount 50.000			Recovery = 173.74%			
35) Dibromofluoromethane	7.91	113	5336	64.81	ug/l	0.00
Spiked Amount 50.000			Recovery = 129.62%			
50) Toluene-d8	10.34	98	15643	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery = 98.46%			
62) 4-Bromofluorobenzene	12.64	95	5931	60.99	ug/l	0.00
Spiked Amount 50.000			Recovery = 121.98%			
Target Compounds						Qvalue
3) Chloromethane	2.21	50	514	5.461	ug/l #	69
5) Bromomethane	2.79	94	539	7.413	ug/l	98
6) Chloroethane	2.95	64	139	1.950	ug/l #	43
10) Methyl Iodide	4.31	142	137	1.662	ug/l #	39
12) 1,1-Dichloroethene	4.16	96	139	1.873	ug/l #	1
14) Allyl chloride	4.71	41	136	1.149	ug/l #	19
16) Acetone	4.17	43	99	17.910	ug/l #	45
18) Methyl Acetate	4.97	43	142	3.708	ug/l #	51
20) Methylene Chloride	4.97	84	76	Below Cal	#	50
25) 2-Butanone	7.18	43	91	4.120	ug/l #	49
29) Tetrahydrofuran	7.47	42	57	4.182	ug/l #	34
31) Cyclohexane	7.97	56	151	1.060	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	901	7.132	ug/l #	42
37) Ethyl Acetate	7.40	43	64	1.226	ug/l #	69
38) Carbon Tetrachloride	7.98	117	941	7.047	ug/l #	14
41) Methacrylonitrile	7.41	41	120	4.269	ug/l #	24
48) Methyl methacrylate	9.46	41	65	1.425	ug/l #	6
51) 4-Methyl-2-Pentanone	9.98	43	93	1.875	ug/l #	37
58) 2-Chloroethyl Vinyl ether	10.02	63	59	2.394	ug/l #	46
59) 2-Hexanone	10.81	43	75	2.192	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	2807	47.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	2807	100.517	ug/l #	9
95) Naphthalene	15.41	128	277	1.268	ug/l #	68

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

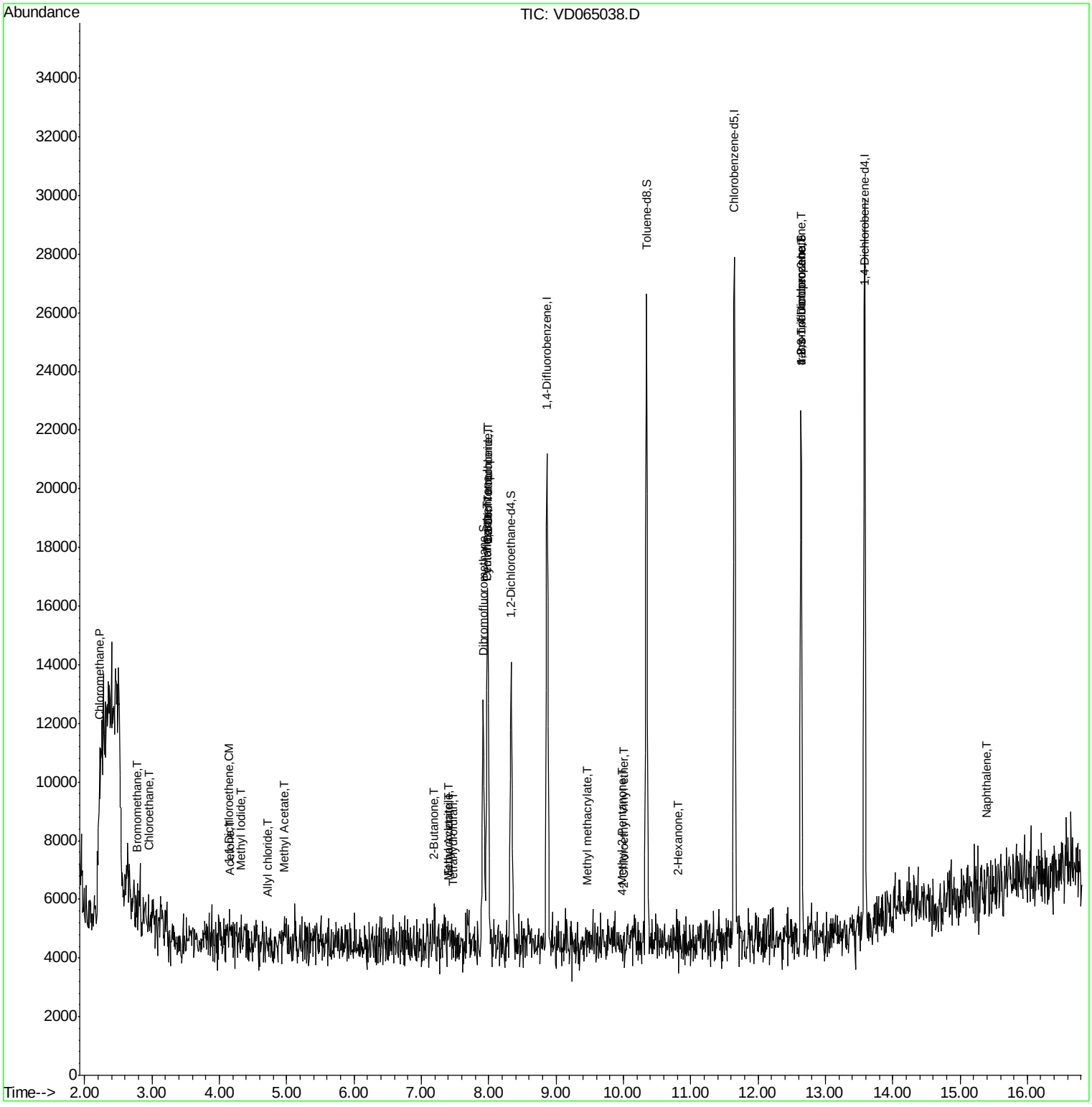
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\

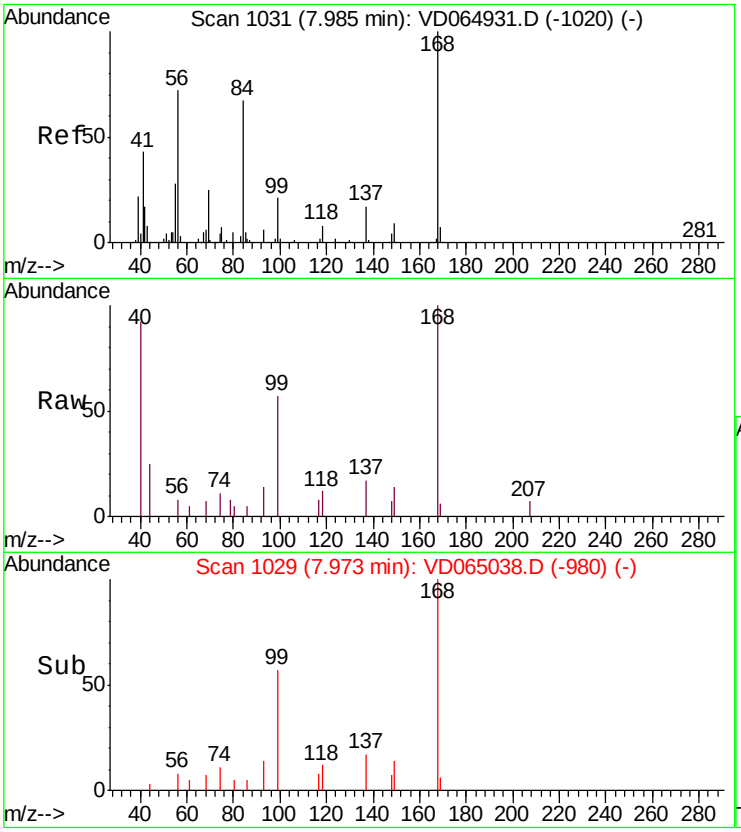
Quantitation Report (Not Reviewed)

Data File : VD065038.D
Acq On : 31 Jan 2020 17:16
Operator : VA/SY
Sample : L1345-02
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Quant Time: Feb 03 00:25:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration



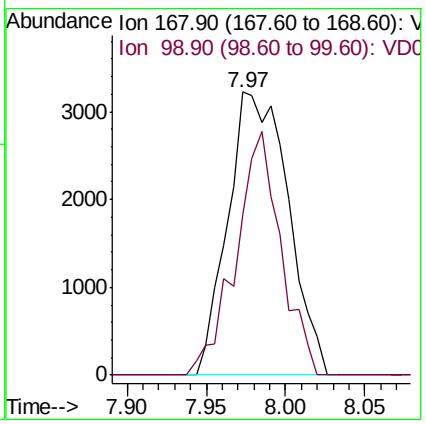


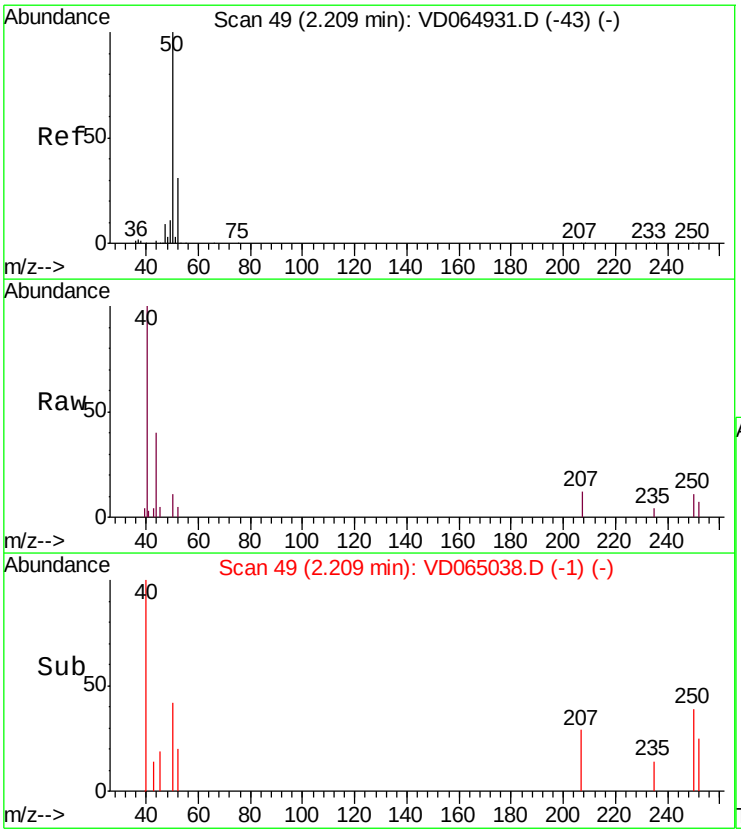
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion:168 Resp: 8524

Ion	Ratio	Lower	Upper
168	100		
99	56.9	43.3	64.9

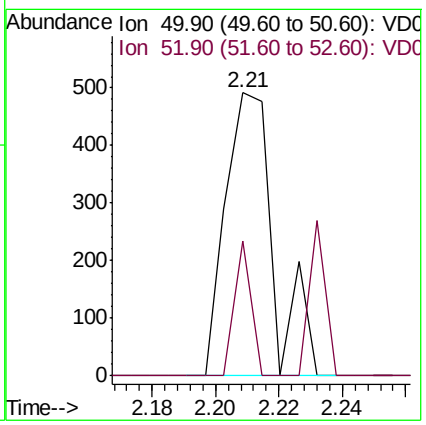


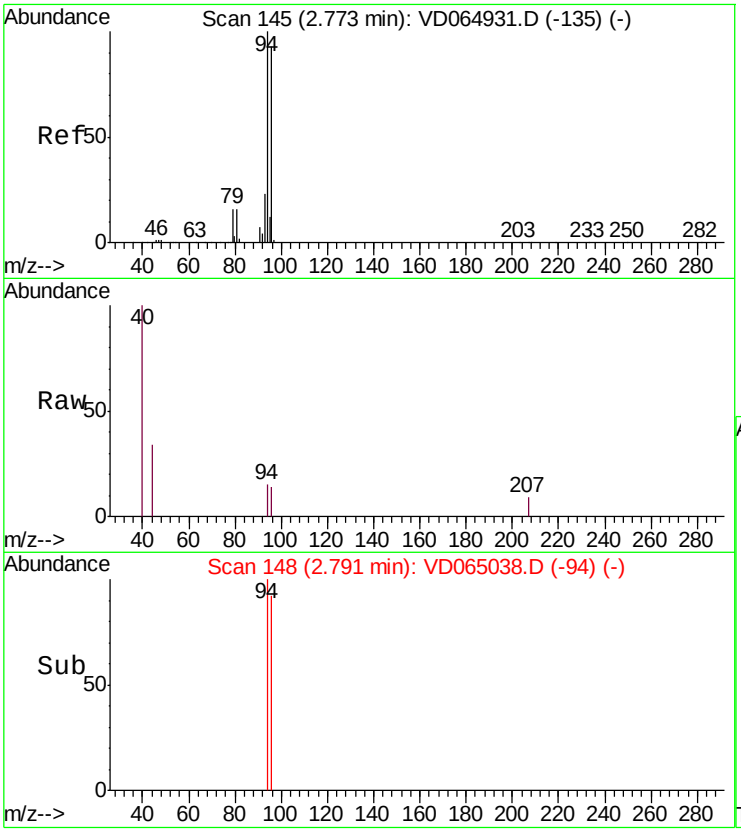


#3
Chloromethane
Concen: 5.461 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 50 Resp: 514

Ion	Ratio	Lower	Upper
50	100		
52	47.6	24.6	36.8#



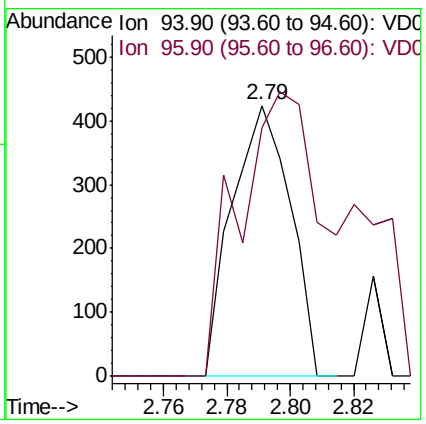


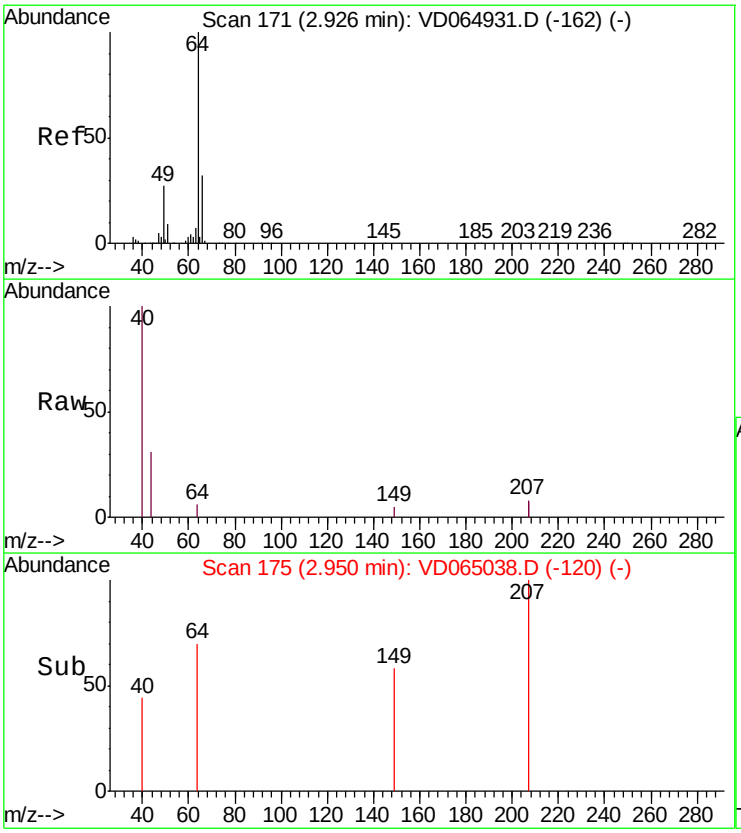
#5
Bromomethane
Concen: 7.413 ug/l
RT: 2.79 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion: 94 Resp: 539

Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.6	111.8

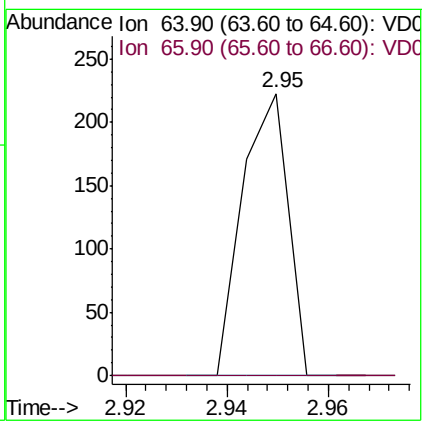


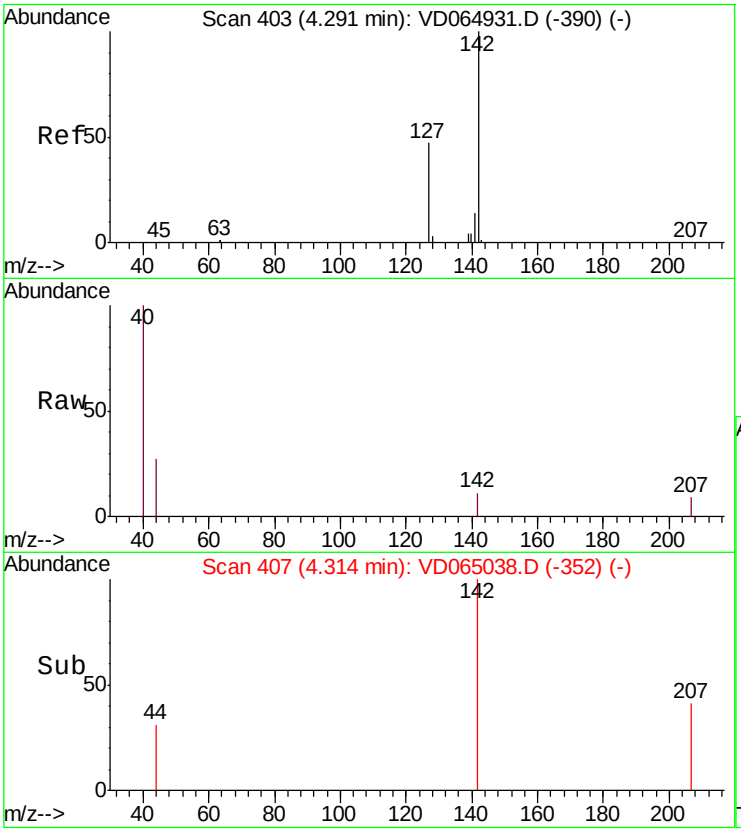


#6
Chloroethane
Concen: 1.950 ug/l
RT: 2.95 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 64 Resp: 139

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.3	37.9#



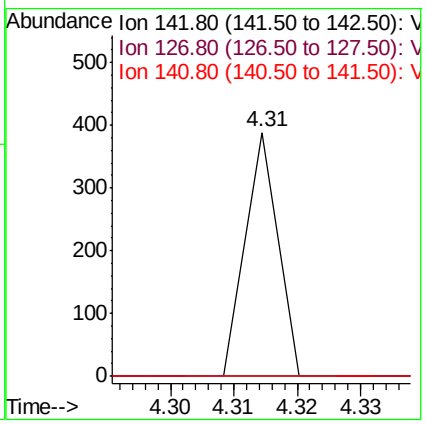


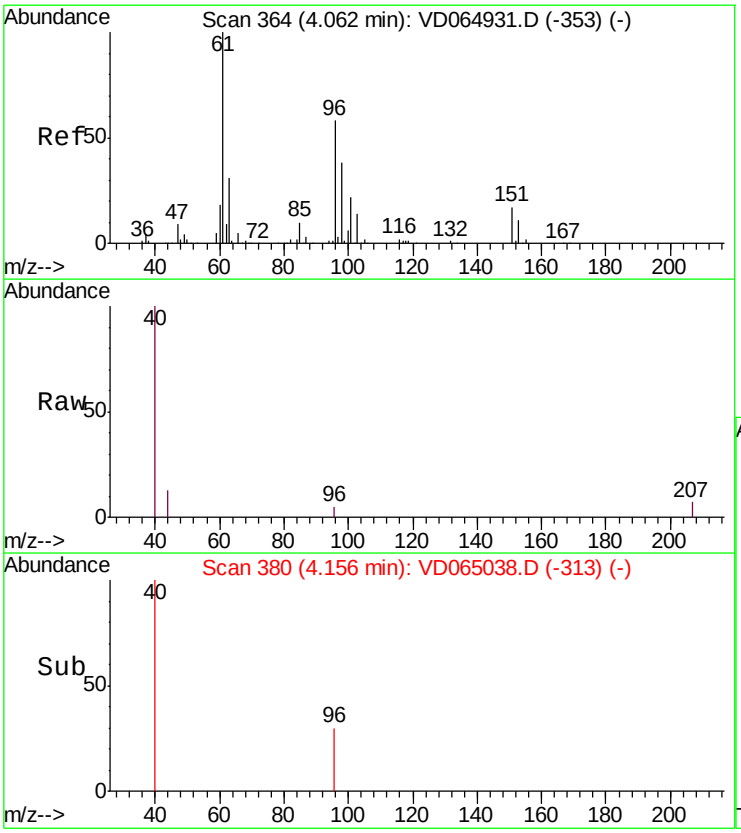
#10
Methyl Iodide
Concen: 1.662 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion:142 Resp: 137

Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.2#
141	0.0	11.6	17.4#

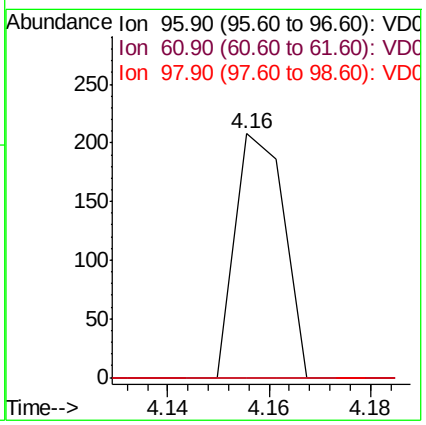


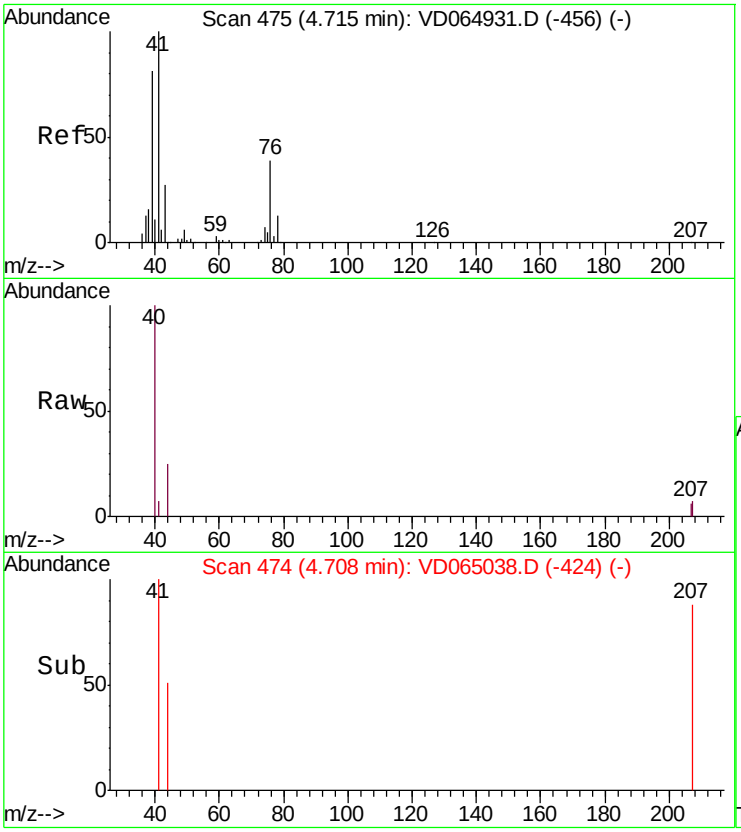


#12
1,1-Dichloroethene
Concen: 1.873 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.09 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 96 Resp: 139

Ion	Ratio	Lower	Upper
96	100		
61	0.0	137.0	205.4#
98	0.0	52.1	78.1#



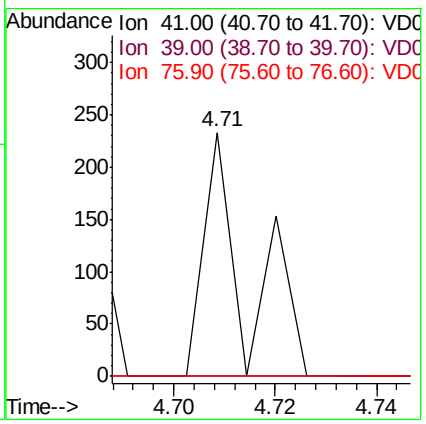


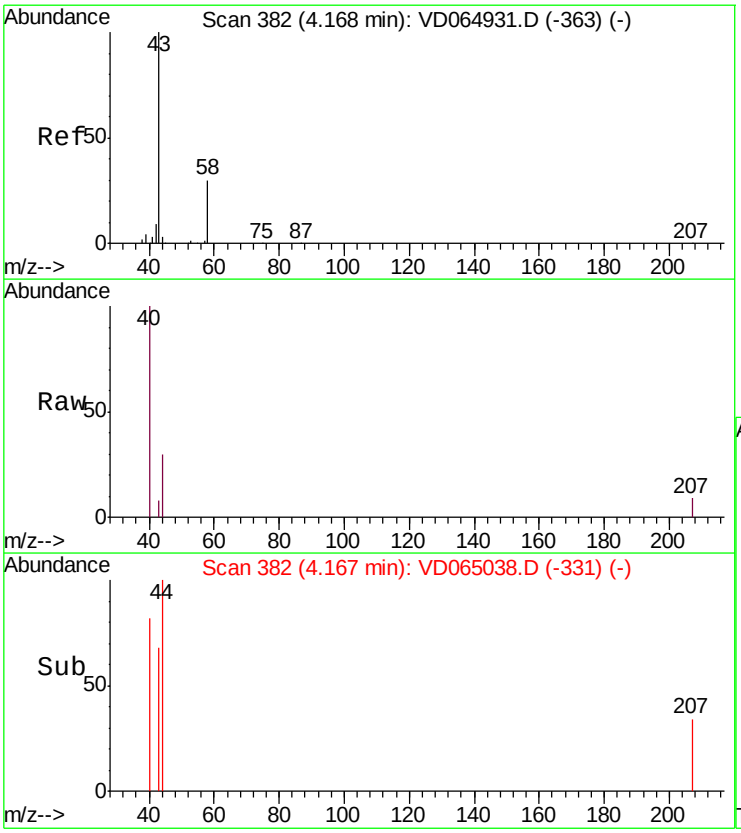
#14
Allyl chloride
Concen: 1.149 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 41 Resp: 136

Ion	Ratio	Lower	Upper
41	100		
39	0.0	62.0	93.0#
76	0.0	29.3	43.9#

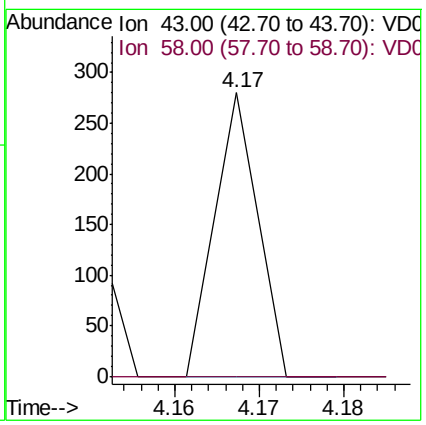


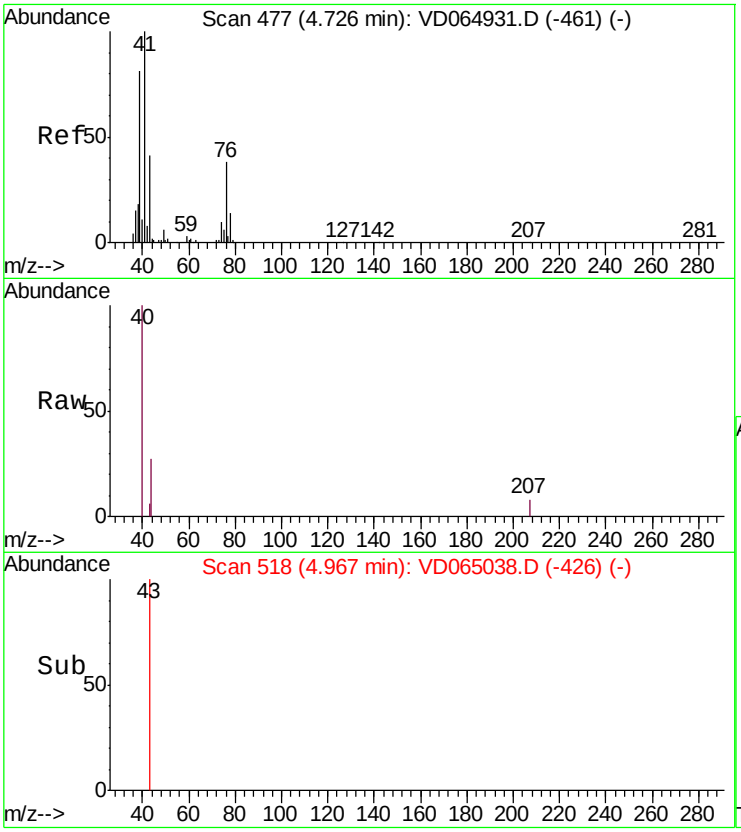


#16
Acetone
Concen: 17.910 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 43 Resp: 99

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.8	35.8#



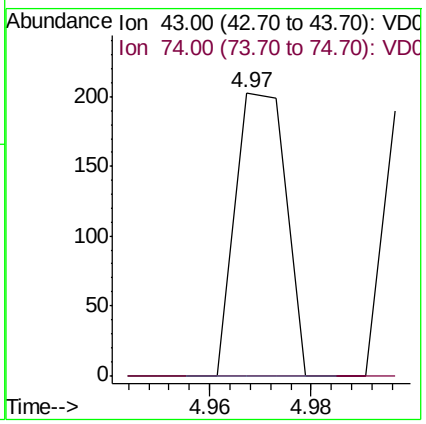


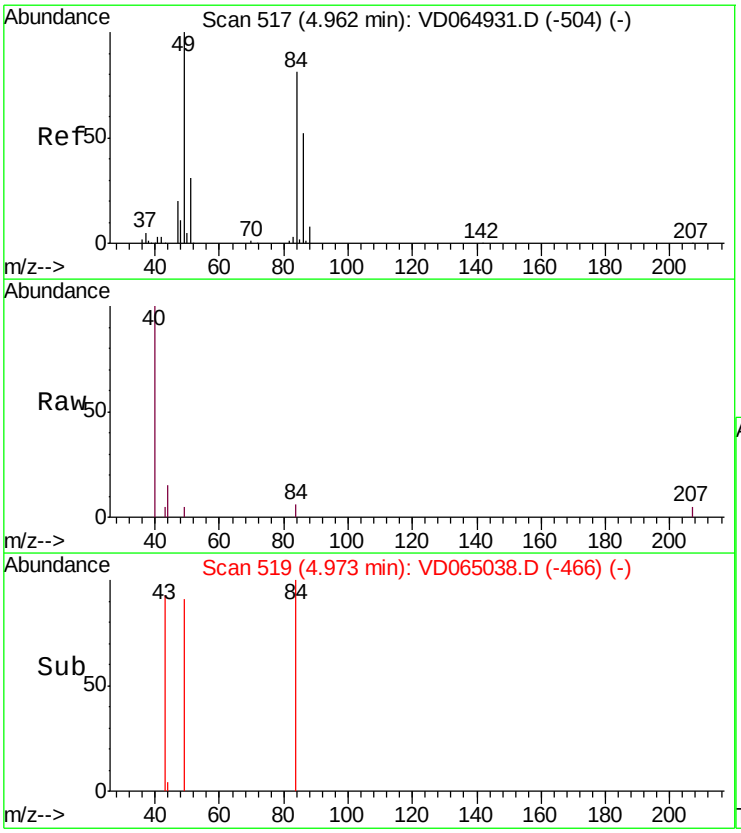
#18
Methyl Acetate
Concen: 3.708 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.24 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 43 Resp: 142

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.1	28.7#

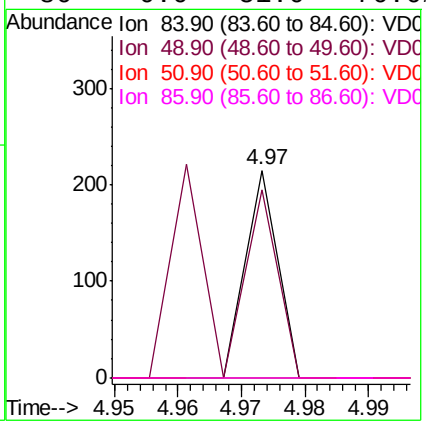


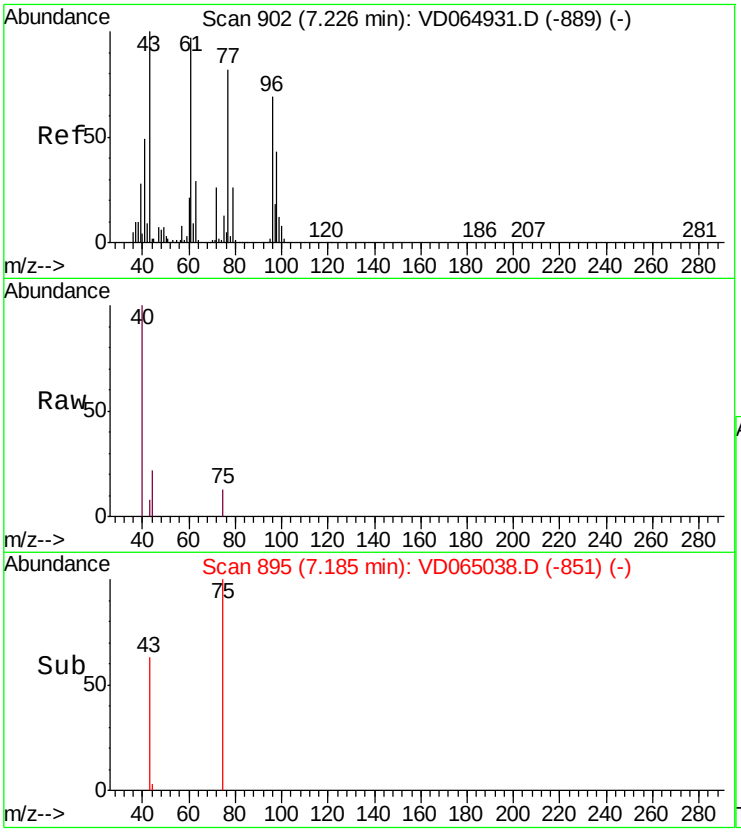


#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 84 Resp: 76

Ion	Ratio	Lower	Upper
84	100		
49	90.7	98.4	147.6#
51	0.0	30.8	46.2#
86	0.0	51.0	76.6#



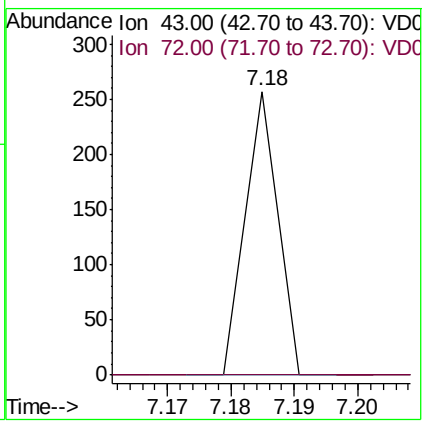


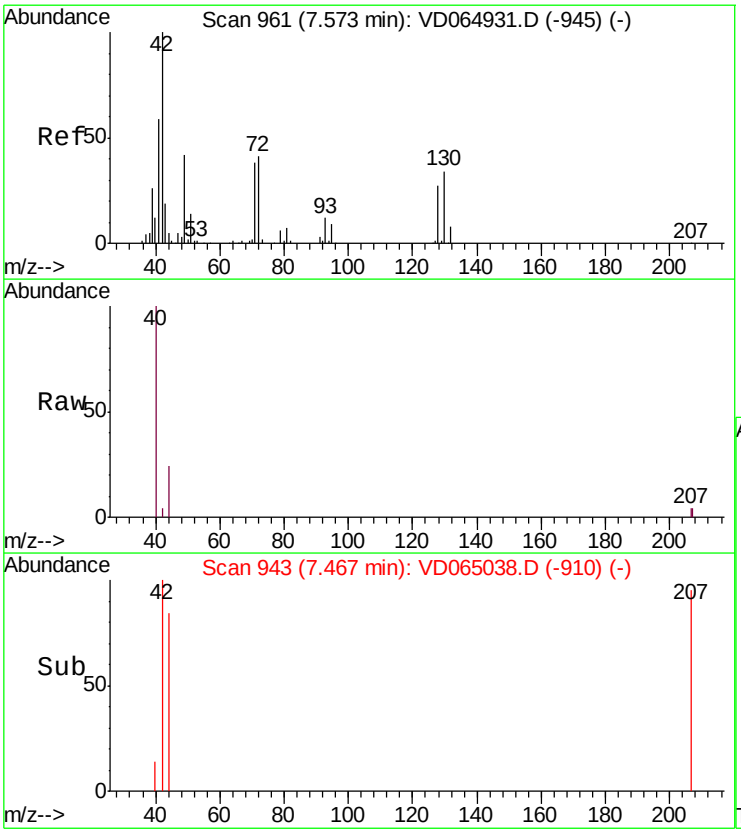
#25
2-Butanone
Concen: 4.120 ug/l
RT: 7.18 min Scan# 895
Delta R.T. -0.04 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 43 Resp: 91

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.6	31.0#

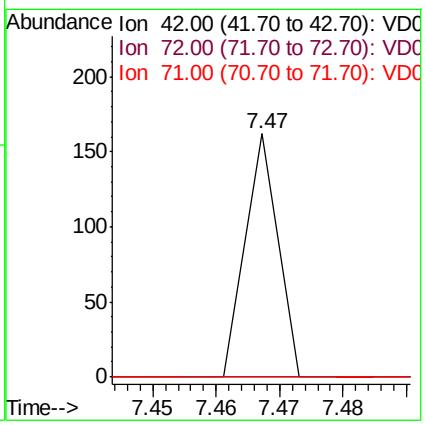


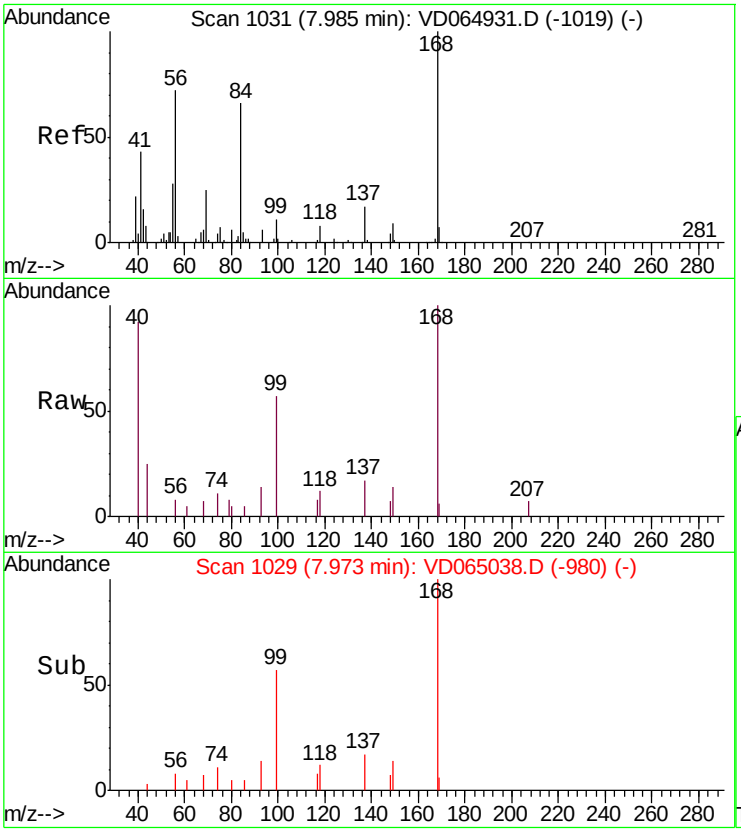


#29
Tetrahydrofuran
Concen: 4.182 ug/l
RT: 7.47 min Scan# 943
Delta R.T. -0.11 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 42 Resp: 57

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.0	51.0#
71	0.0	31.5	47.3#



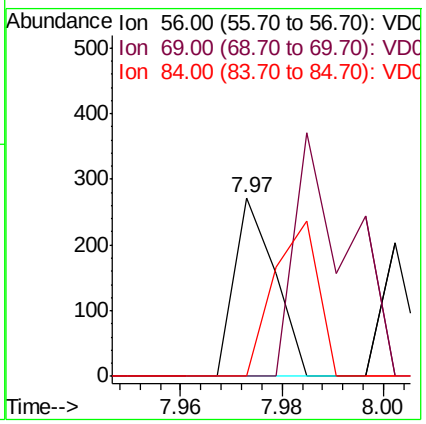


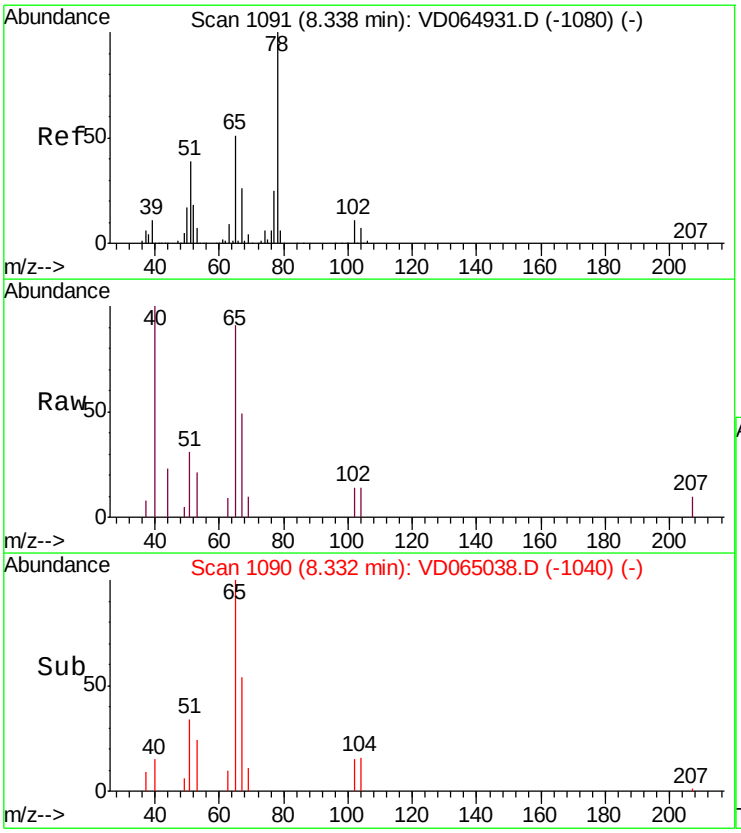
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 56 Resp: 151

Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.9	41.9#
84	0.0	72.8	109.2#

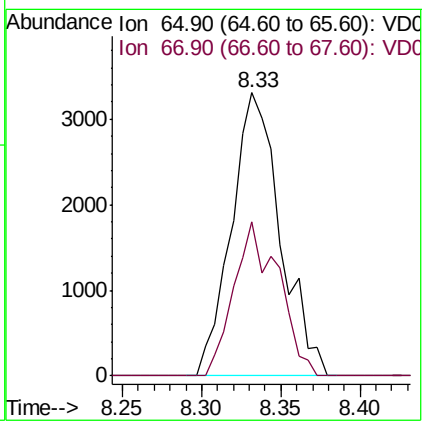


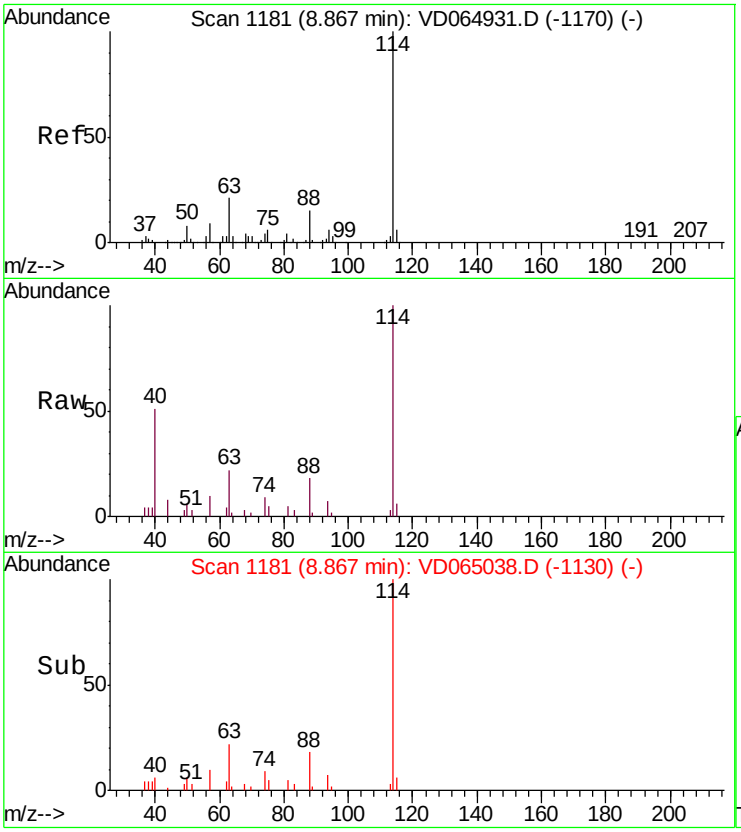


#33
1,2-Dichloroethane-d4
Concen: 86.872 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 65 Resp: 7103

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	103.6



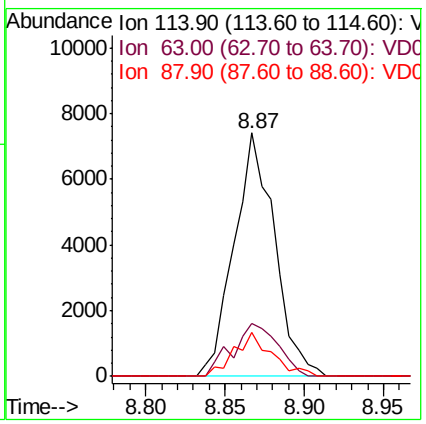


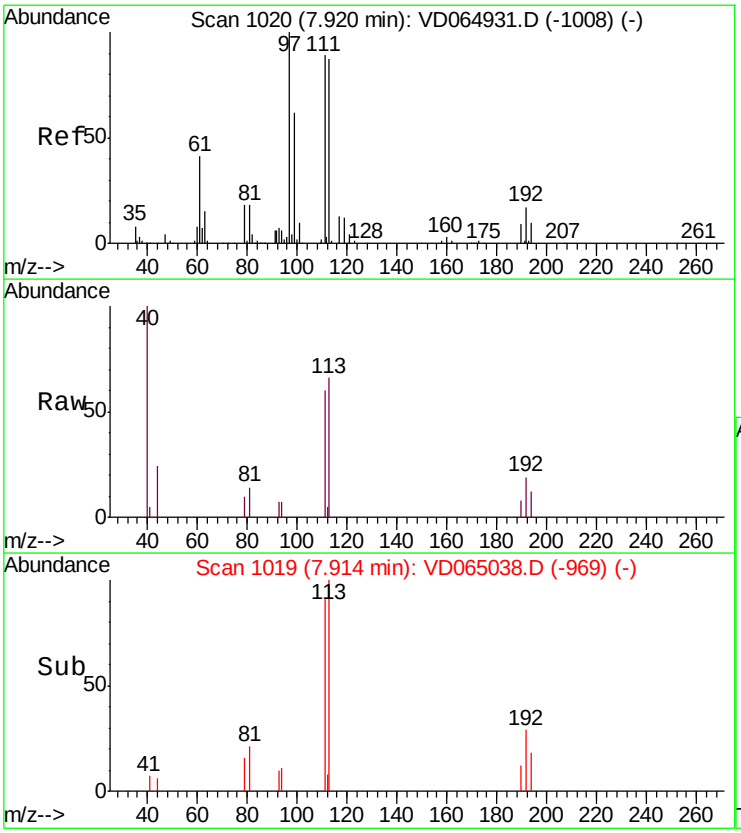
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion:114 Resp: 13101

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.0
88	17.8	0.0	29.4

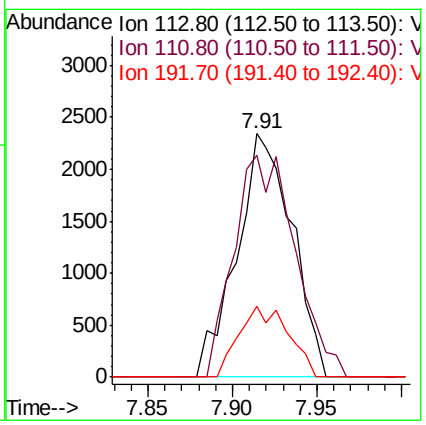


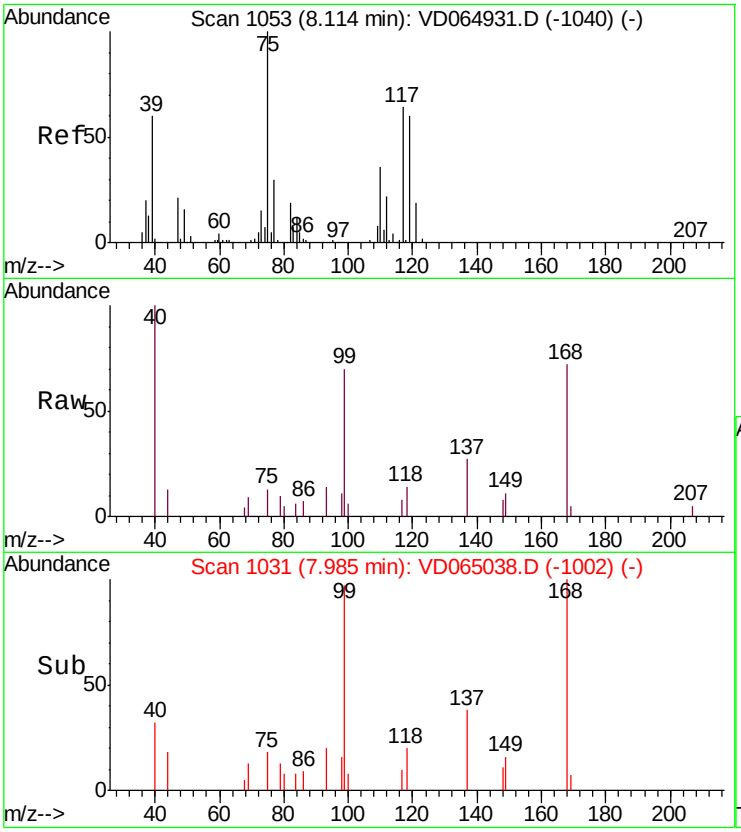


#35
Dibromofluoromethane
Concen: 64.814 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion:113 Resp: 5336

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	26.1	16.9	25.3#



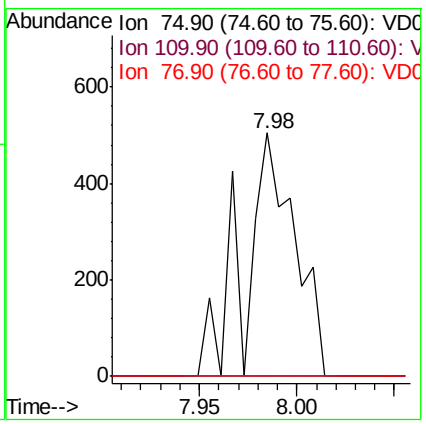


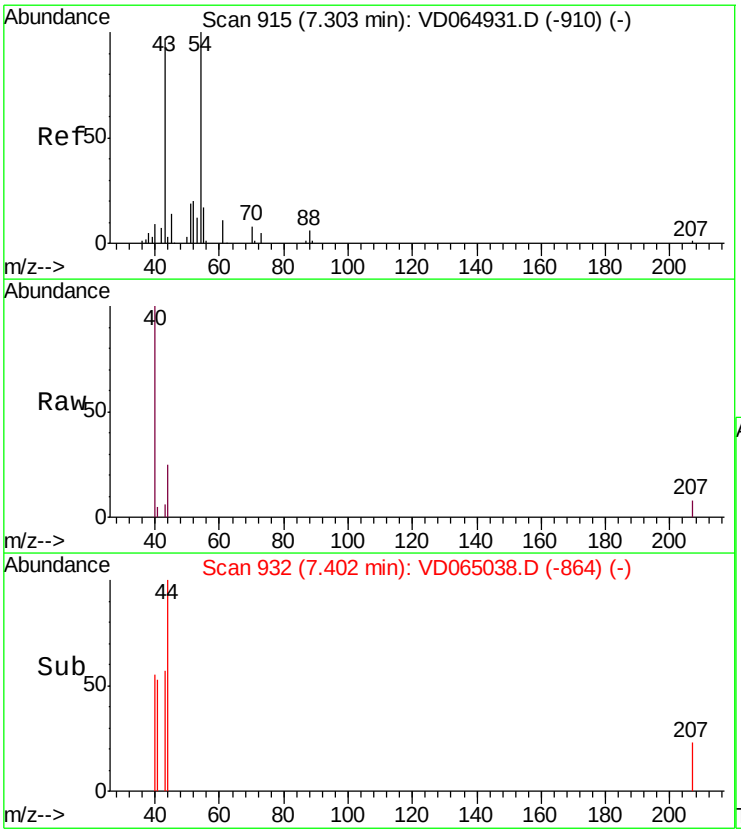
#36
1,1-Dichloropropene
Concen: 7.132 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion: 75 Resp: 901

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	52.0#
77	0.0	24.7	37.1#

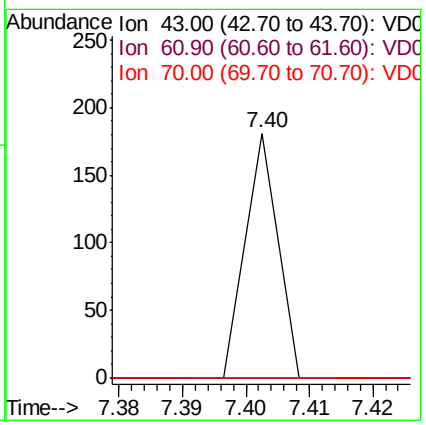


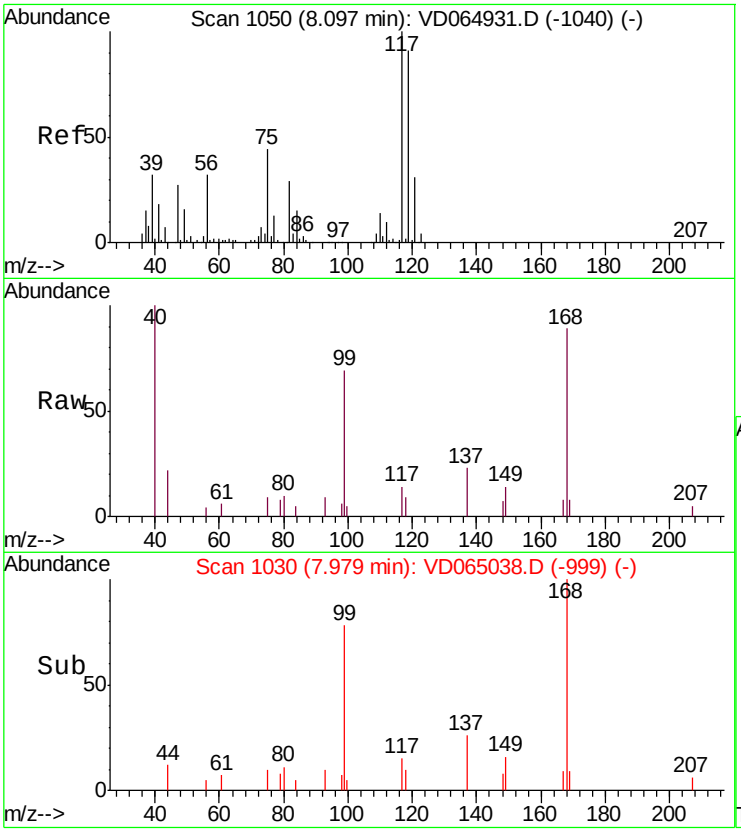


#37
Ethyl Acetate
Concen: 1.226 ug/l
RT: 7.40 min Scan# 932
Delta R.T. 0.10 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	7.5	11.3#



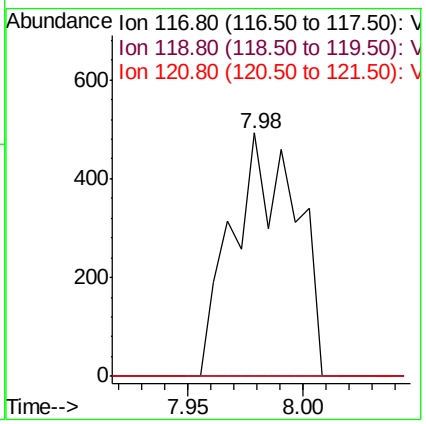


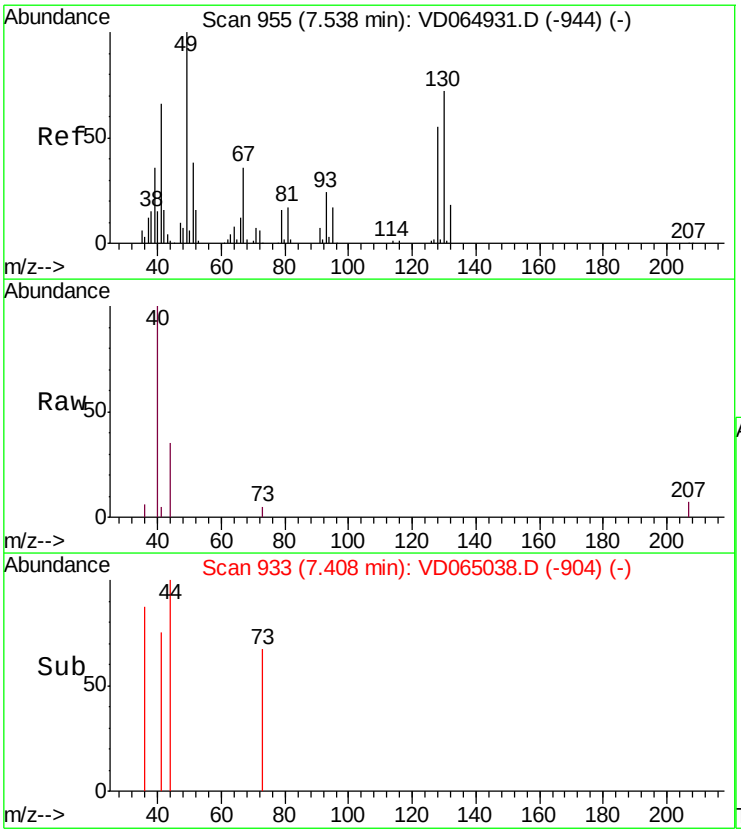
#38
Carbon Tetrachloride
Concen: 7.047 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion:117 Resp: 941

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.2	109.8#
121	0.0	24.4	36.6#

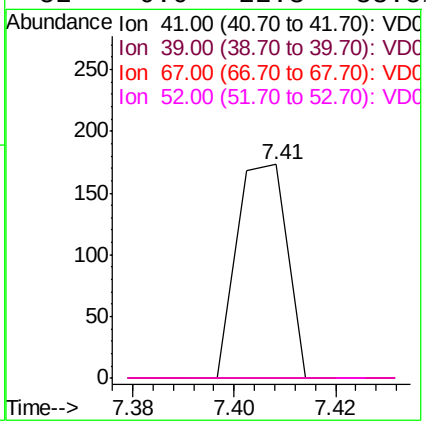


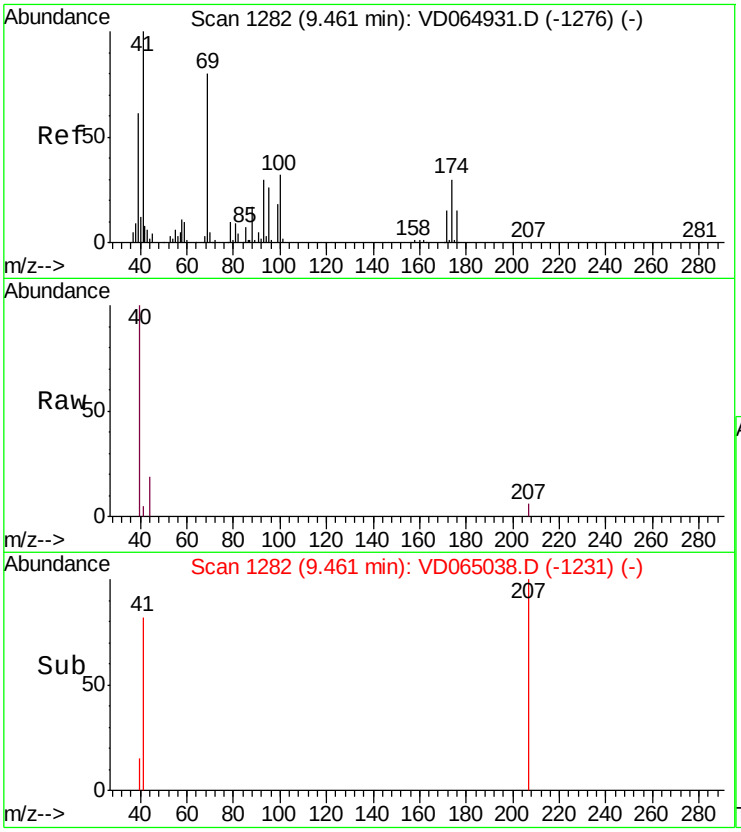


#41
Methacrylonitrile
Concen: 4.269 ug/l
RT: 7.41 min Scan# 933
Delta R.T. -0.13 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 41 Resp: 120

Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#



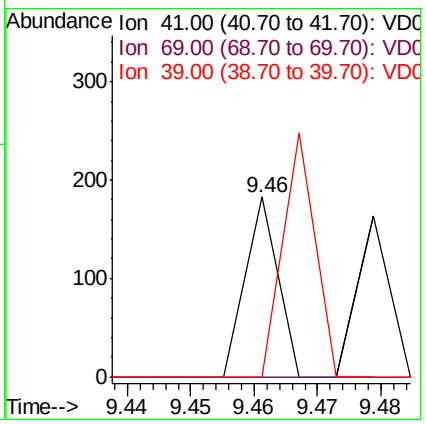


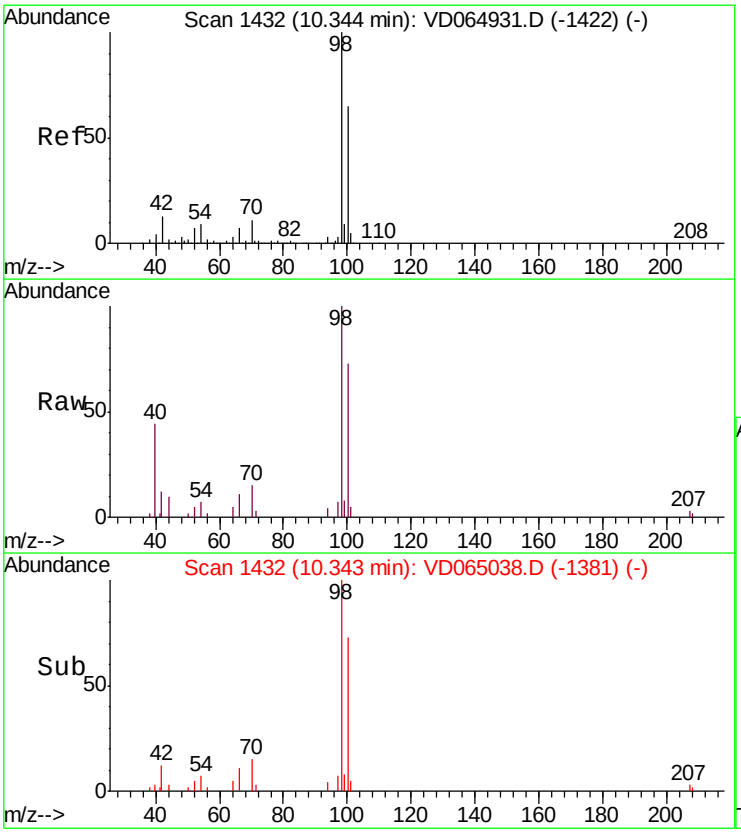
#48
Methyl methacrylate
Concen: 1.425 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion: 41 Resp: 65

Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.8	98.8#
39	135.4	49.4	74.0#

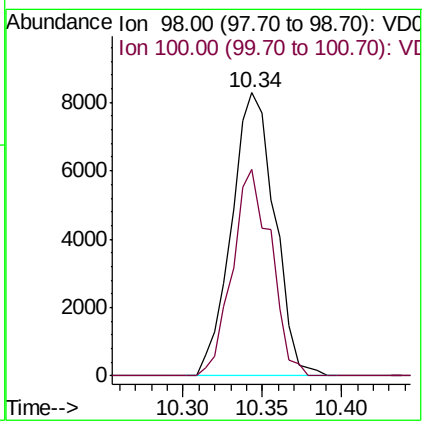


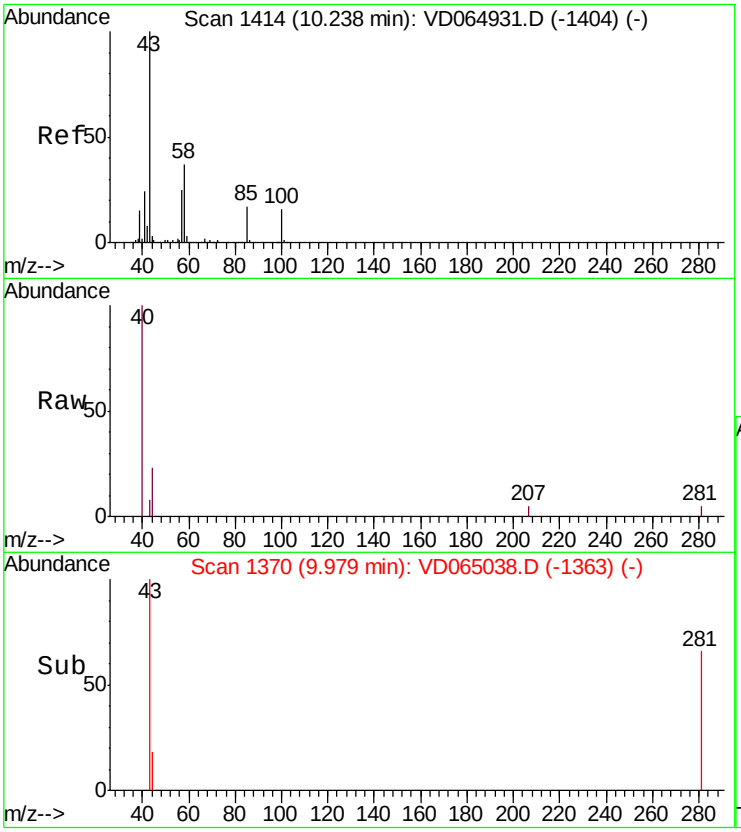


#50
Toluene-d8
Concen: 49.229 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 98 Resp: 15643

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5



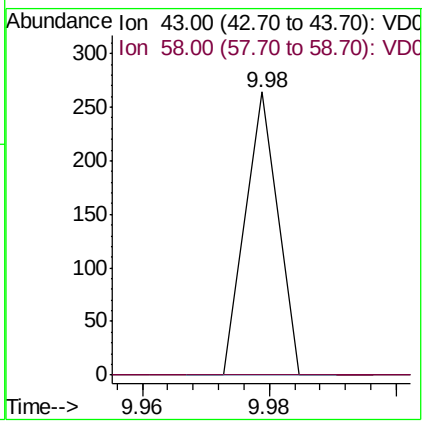


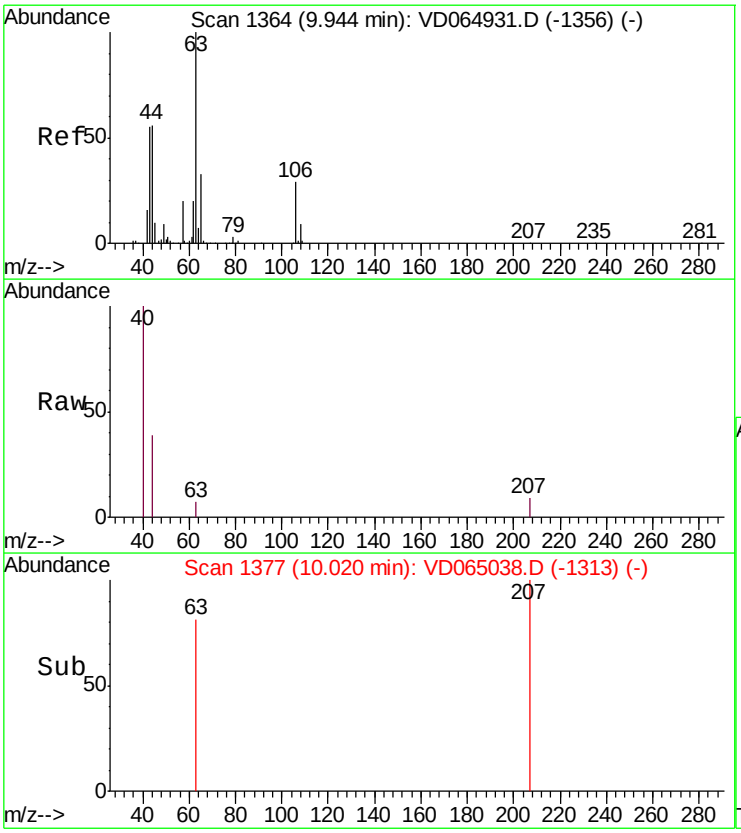
#51
4-Methyl-2-Pentanone
Concen: 1.875 ug/l
RT: 9.98 min Scan# 1370
Delta R.T. -0.26 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 43 Resp: 93

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.4	45.6#

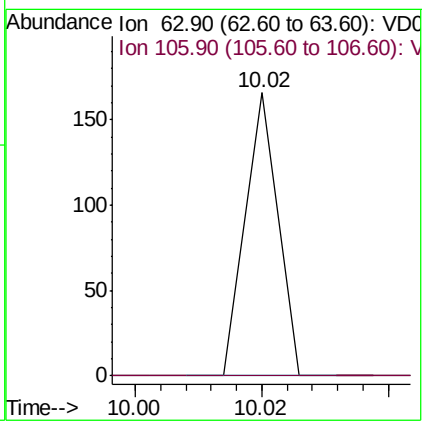


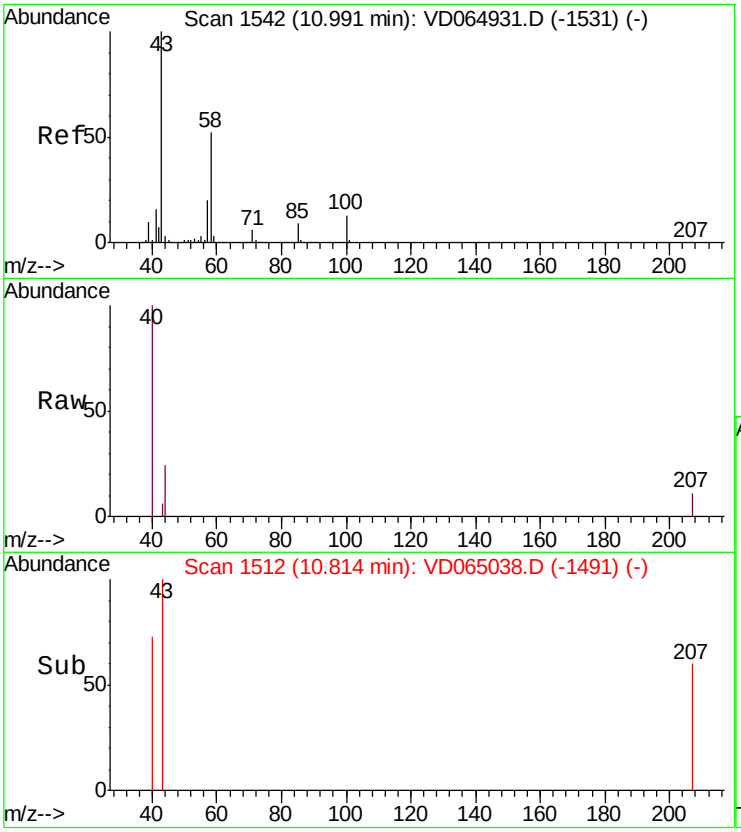


#58
2-Chloroethyl Vinyl ether
Concen: 2.394 ug/l
RT: 10.02 min Scan# 1377
Delta R.T. 0.08 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 63 Resp: 59

Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.0	34.4#



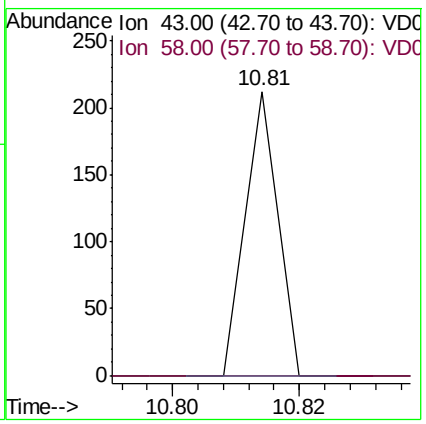


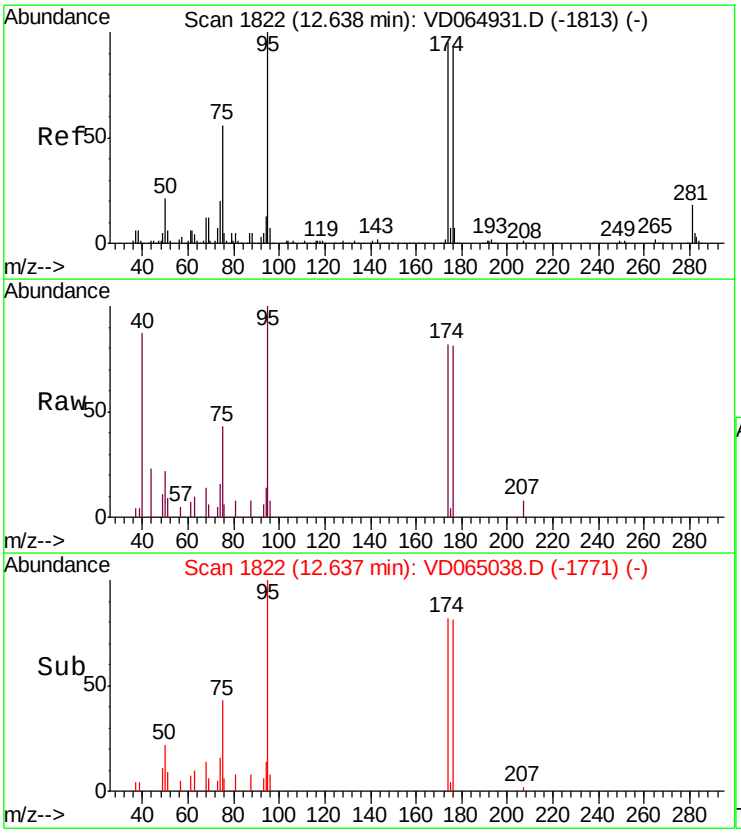
#59
2-Hexanone
Concen: 2.192 ug/l
RT: 10.81 min Scan# 1512
Delta R.T. -0.18 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 43 Resp: 75

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.5	79.4#

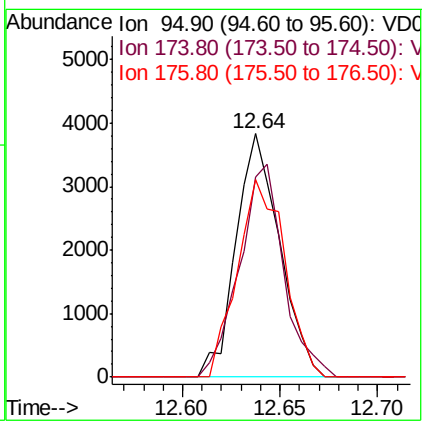


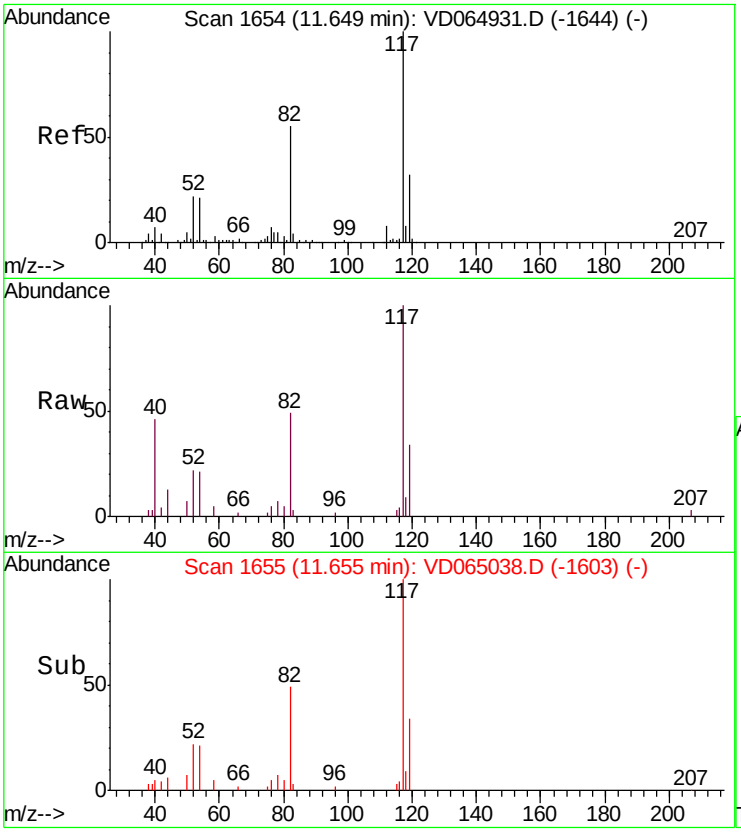


#62
4-Bromofluorobenzene
Concen: 60.993 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 95 Resp: 5931

Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	186.8
176	87.9	0.0	183.4



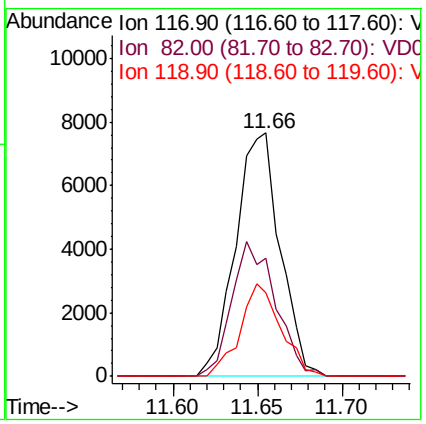


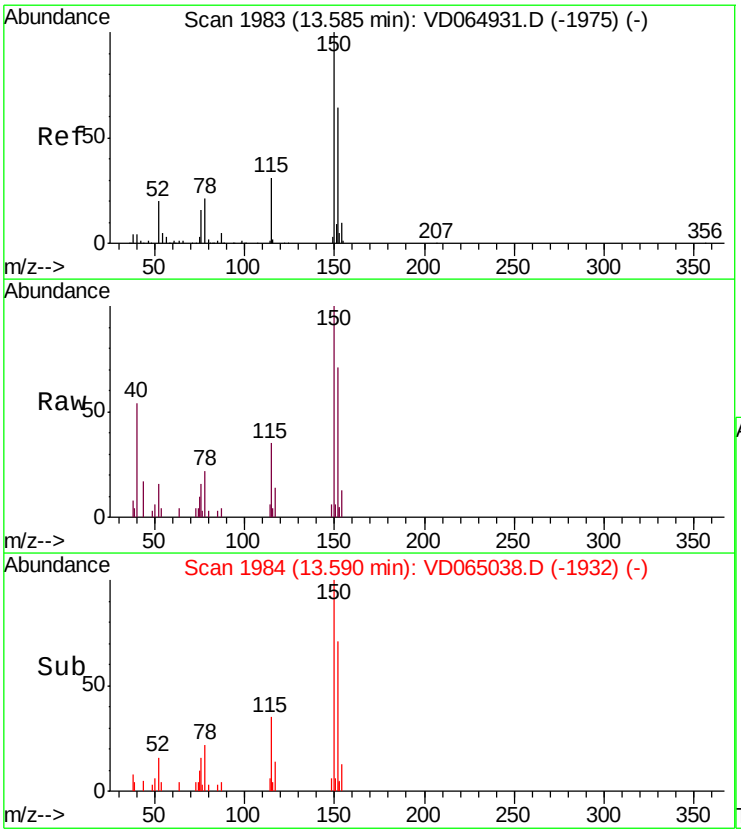
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion:117 Resp: 14080

Ion	Ratio	Lower	Upper
117	100		
82	48.6	43.6	65.4
119	34.3	25.2	37.8

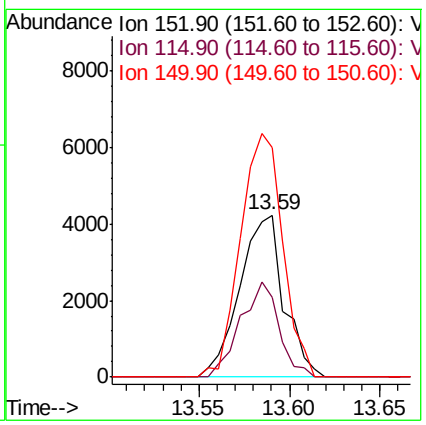


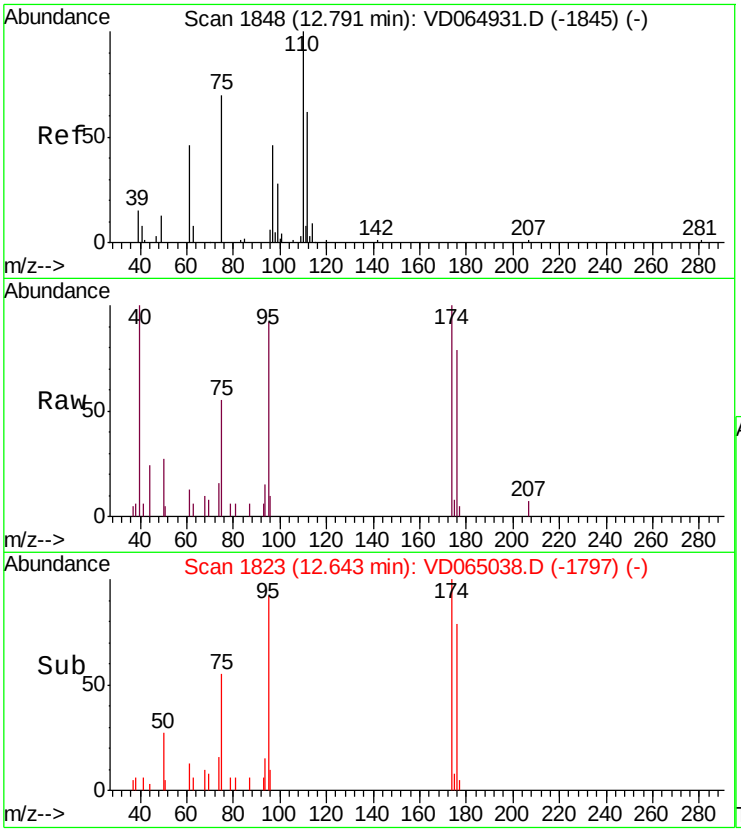


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion:152 Resp: 7184

Ion	Ratio	Lower	Upper
152	100		
115	51.1	28.1	84.4
150	143.9	0.0	350.4



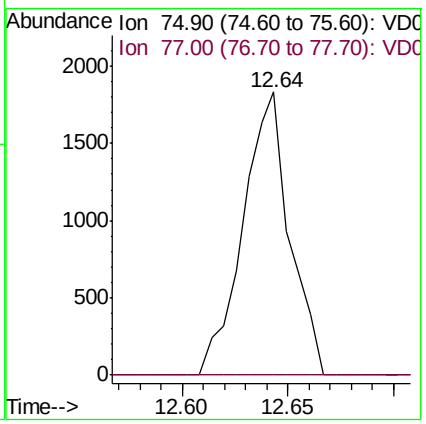


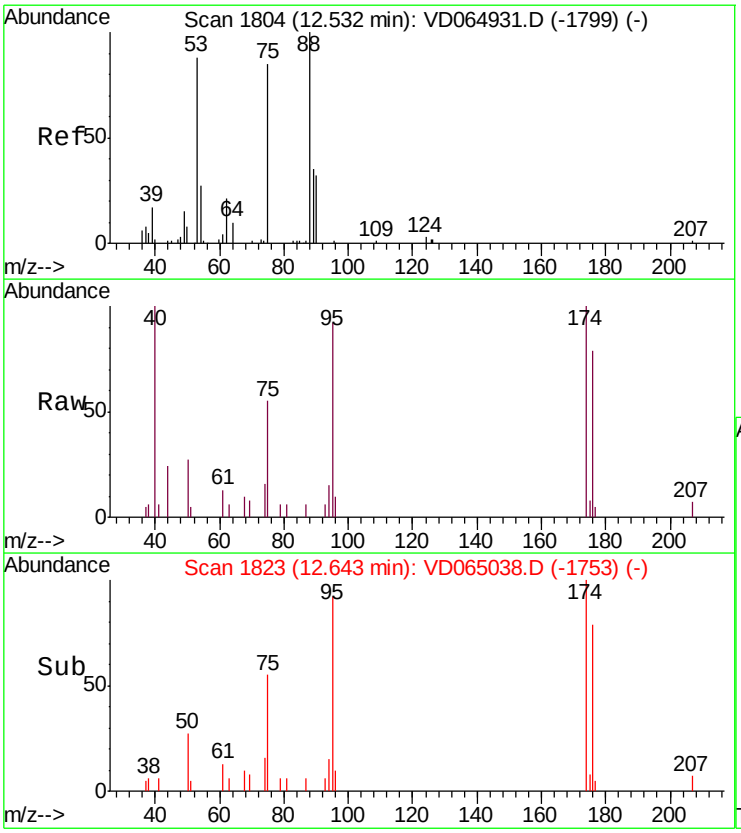
#76
1,2,3-Trichloropropane
Concen: 47.075 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument : MSVOA_D
ClientSampleId : 01-31-B

Tgt Ion: 75 Resp: 2807

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

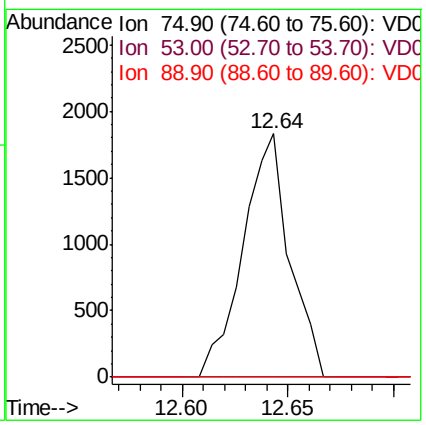


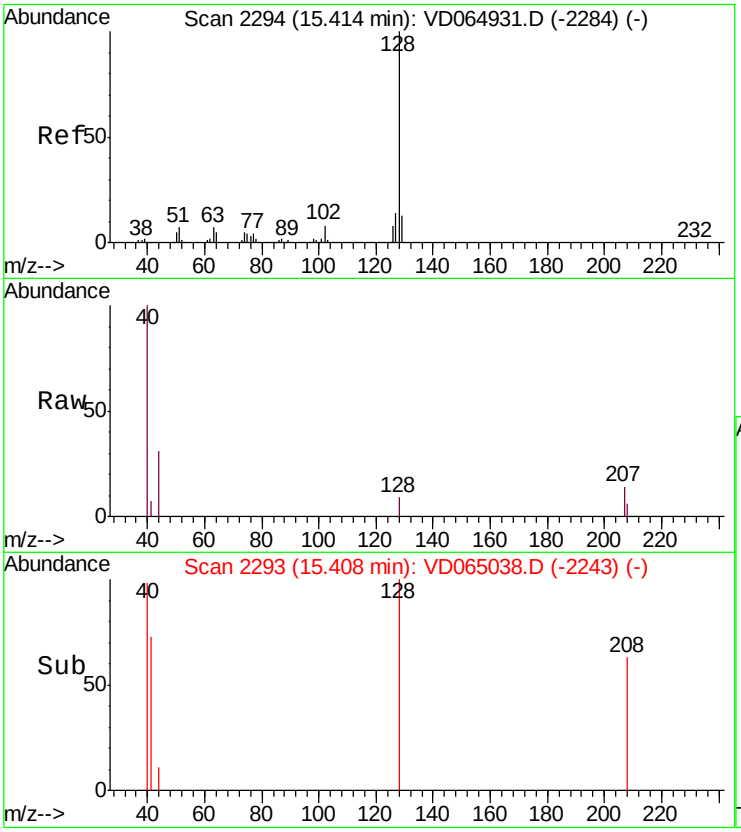


#81
trans-1,4-Dichloro-2-butene
Concen: 100.517 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Tgt Ion: 75 Resp: 2807

Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.0	36.2	54.4#





#95
Naphthalene
Concen: 1.268 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065038.D
Acq: 31 Jan 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
01-31-B

Tgt Ion:128 Resp: 277

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	9.3	13.9#