Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
Data File : VD070958.D
Acq On : 09 Nov 2021 19:10
Operator : VA/SY
Sample : M4540-05
Misc : 5.07G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Nov 10 03:58:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration

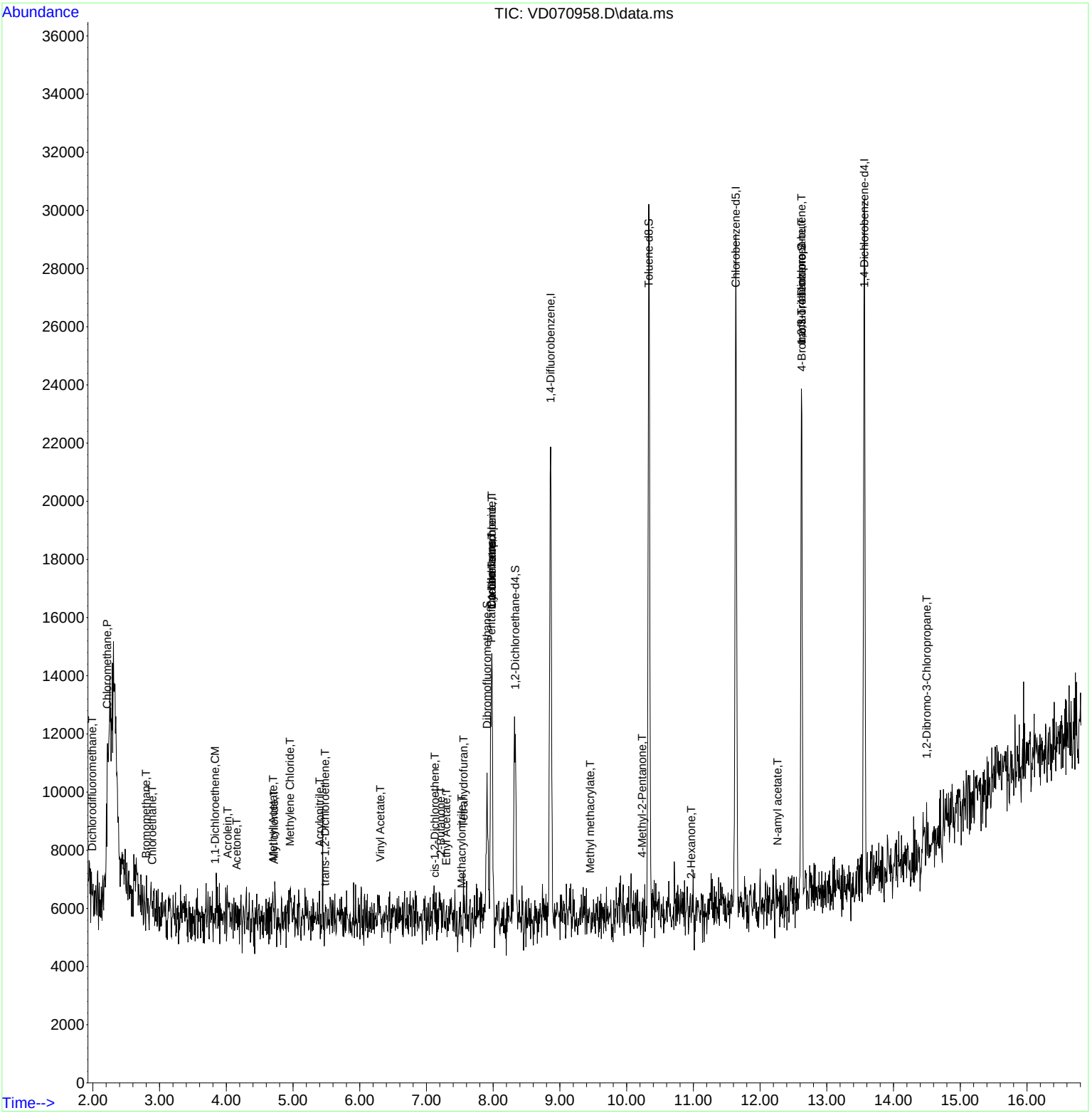
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	6237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	13022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	12388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	5759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5265	79.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.580%			
35) Dibromofluoromethane	7.908	113	3064	41.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 83.400%			
50) Toluene-d8	10.331	98	14842	51.576	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.625	95	6058	58.467	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	69	1.295	ug/l #	44
3) Chloromethane	2.214	50	255	4.022	ug/l #	42
5) Bromomethane	2.797	94	62	1.492	ug/l #	47
6) Chloroethane	2.891	64	112	2.860	ug/l #	39
12) 1,1-Dichloroethene	3.832	96	92	1.553	ug/l #	1
13) Acrolein	4.020	56	221	146.780	ug/l #	60
14) Allyl chloride	4.714	41	644	5.220	ug/l #	69
15) Acrylonitrile	5.396	53	68	4.375	ug/l #	19
16) Acetone	4.155	43	708	56.150	ug/l #	40
18) Methyl Acetate	4.702	43	420	7.372	ug/l #	51
20) Methylene Chloride	4.955	84	535	6.719	ug/l #	84
21) trans-1,2-Dichloroethene	5.479	96	119	1.753	ug/l #	1
23) Vinyl Acetate	6.308	43	67	21.451	ug/l #	72
25) 2-Butanone	7.214	43	400	36.221	ug/l #	45
27) cis-1,2-Dichloroethene	7.126	96	139	1.791	ug/l #	1
29) Tetrahydrofuran	7.555	42	185	13.711	ug/l #	34
31) Cyclohexane	7.979	56	184	1.347	ug/l #	18
36) 1,1-Dichloropropene	7.979	75	588	5.057	ug/l #	41
37) Ethyl Acetate	7.296	43	128	2.413	ug/l #	66
38) Carbon Tetrachloride	7.979	117	396	3.699	ug/l #	54
41) Methacrylonitrile	7.526	41	95	5.767	ug/l #	41
48) Methyl methacrylate	9.455	41	234	4.249	ug/l #	22
51) 4-Methyl-2-Pentanone	10.231	43	210	3.858	ug/l #	34
59) 2-Hexanone	10.967	43	215	20.664	ug/l #	22
74) N-amyl acetate	12.261	43	249	2.101	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	2982	60.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	2982	112.289	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.496	75	70	5.977	ug/l #	4

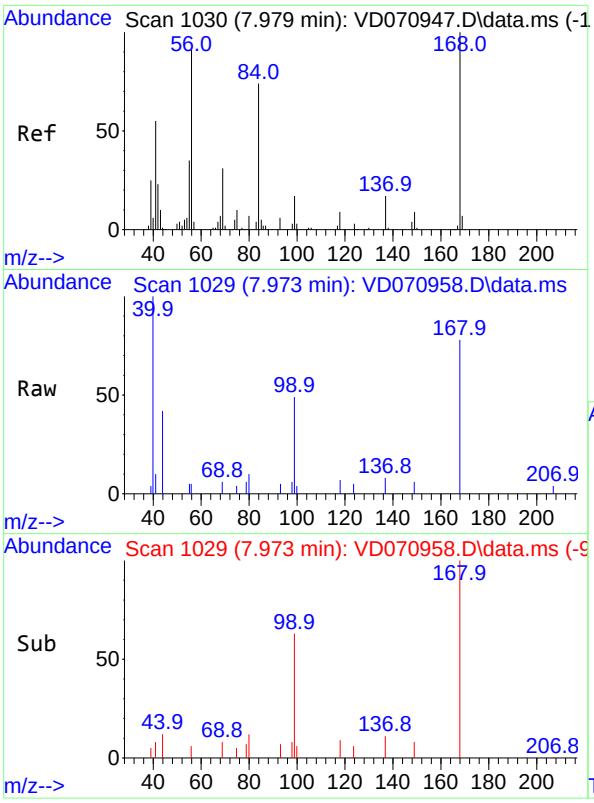
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
Data File : VD070958.D
Acq On : 09 Nov 2021 19:10
Operator : VA/SY
Sample : M4540-05
Misc : 5.07G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Nov 10 03:58:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



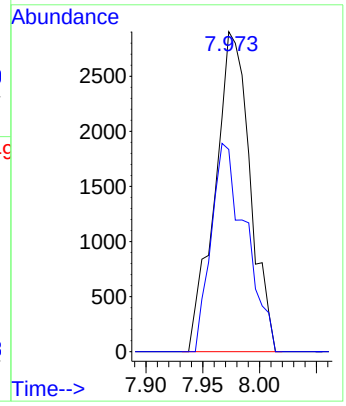


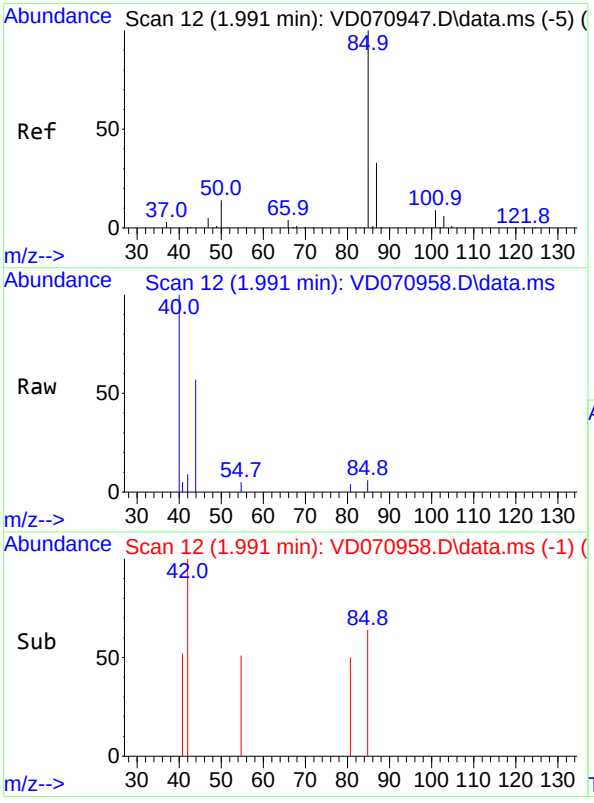
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 6237

Ion	Ratio	Lower	Upper
168	100		
99	63.2	46.6	69.8

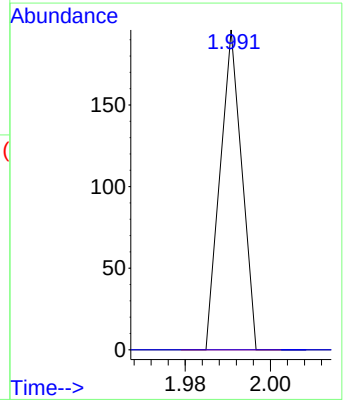


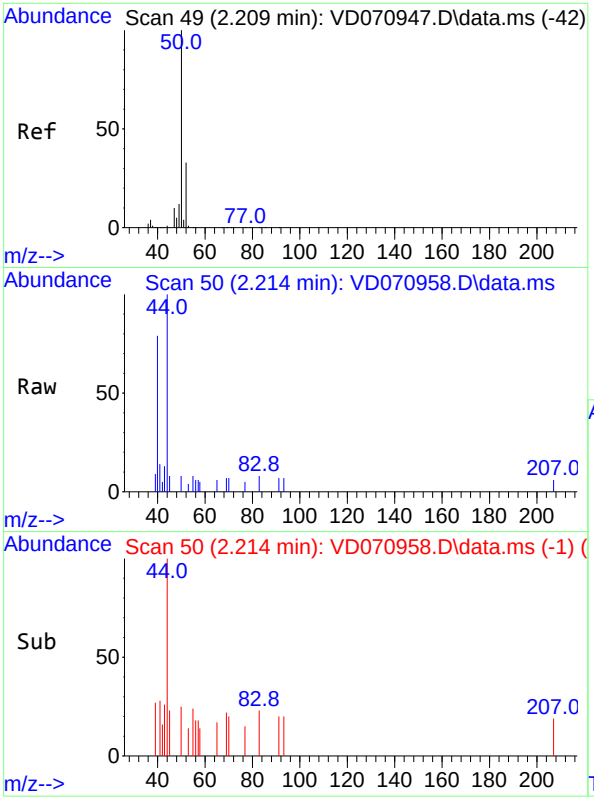


#2
Dichlorodifluoromethane
Concen: 1.295 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 85 Resp: 69

Ion	Ratio	Lower	Upper
85	100		
87	0.0	15.2	45.6#



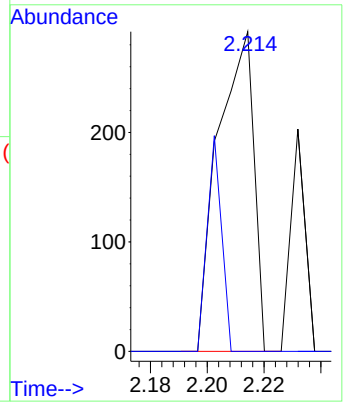


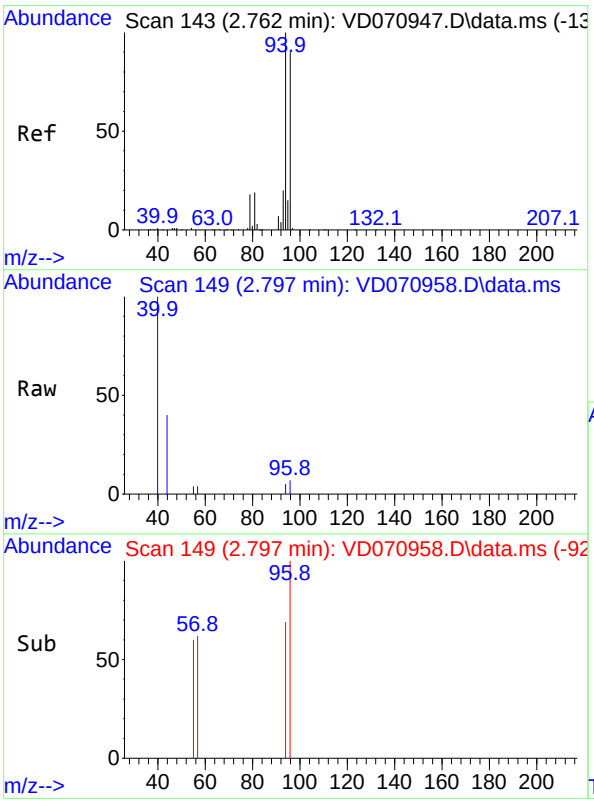
#3
Chloromethane
Concen: 4.022 ug/l
RT: 2.214 min Scan# 5
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 50 Resp: 255

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.8#

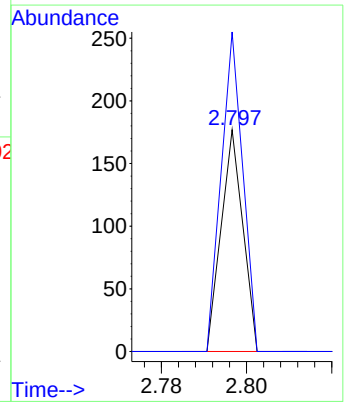


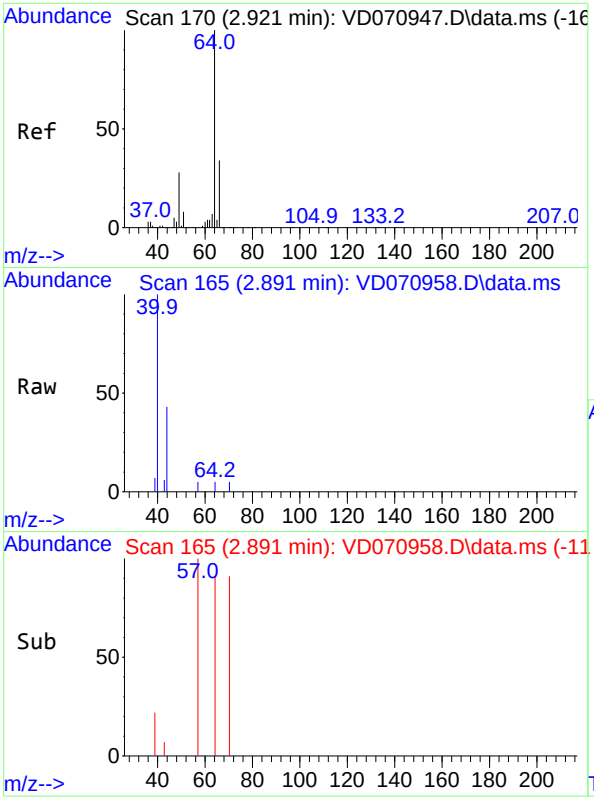


#5
Bromomethane
Concen: 1.492 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 94 Resp: 62

Ion	Ratio	Lower	Upper
94	100		
96	144.1	74.8	112.2#



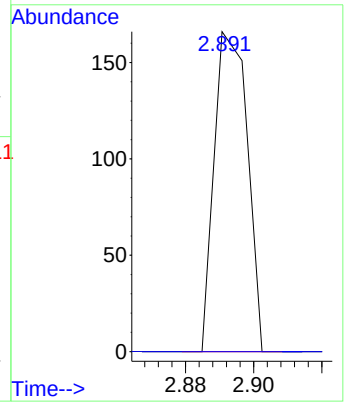


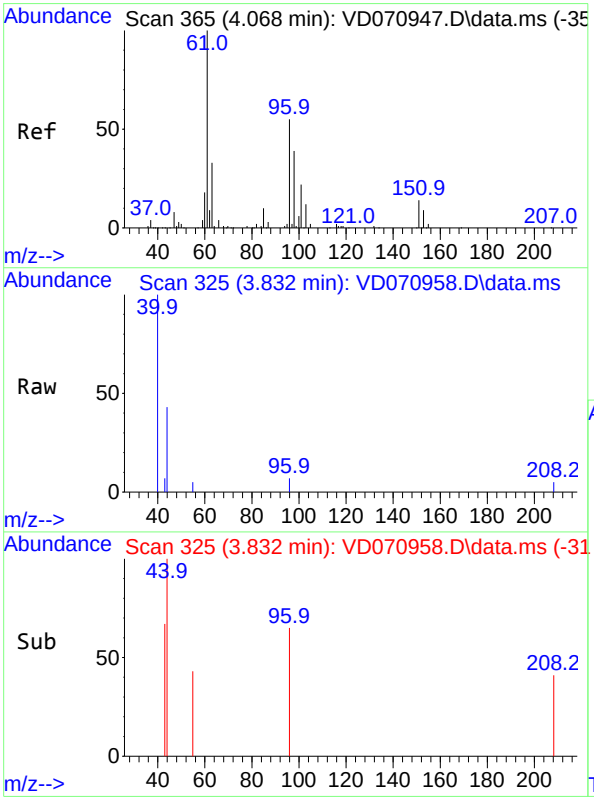
#6
Chloroethane
Concen: 2.860 ug/l
RT: 2.891 min Scan# 1
Delta R.T. -0.030 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 64 Resp: 112

Ion	Ratio	Lower	Upper
64	100		
66	0.0	29.0	43.4#

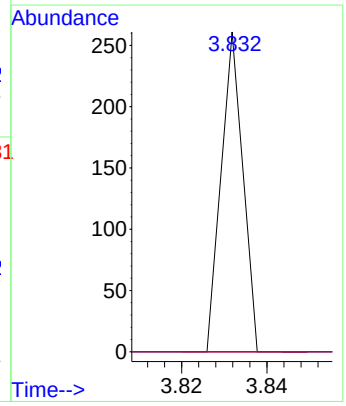


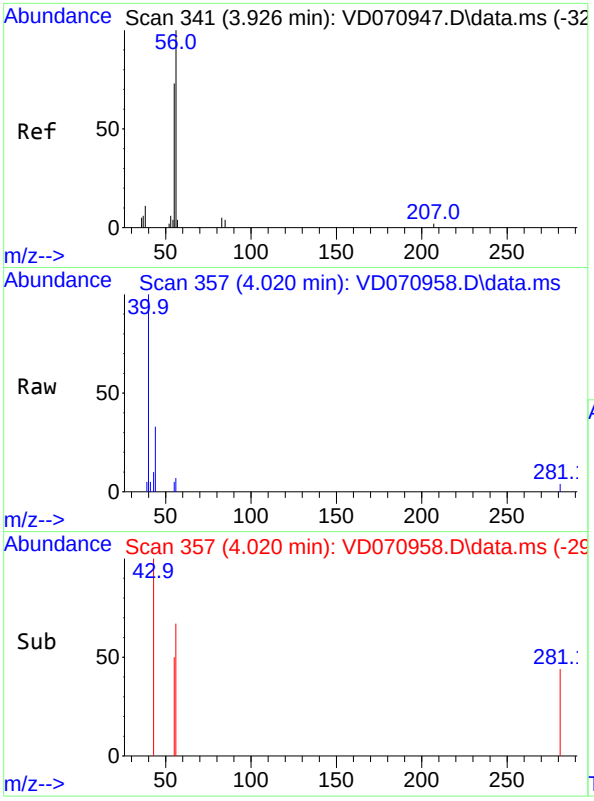


#12
1,1-Dichloroethene
Concen: 1.553 ug/l
RT: 3.832 min Scan# 325
Delta R.T. -0.236 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 96 Resp: 92

Ion	Ratio	Lower	Upper
96	100		
61	0.0	120.3	180.5#
98	0.0	54.4	81.6#



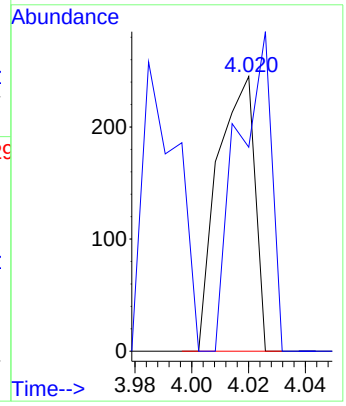


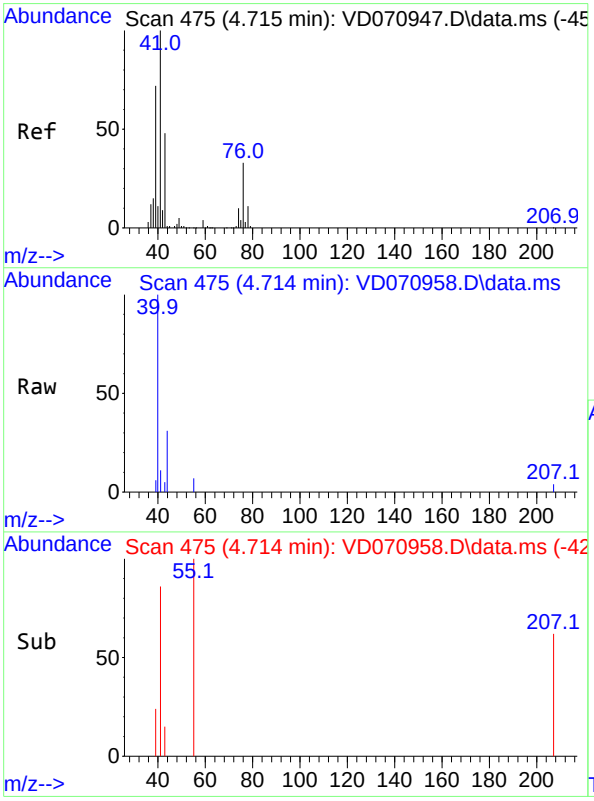
#13
Acrolein
Concen: 146.780 ug/l
RT: 4.020 min Scan# 3
Delta R.T. 0.094 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 56 Resp: 221

Ion	Ratio	Lower	Upper
56	100		
55	107.2	58.6	87.8#

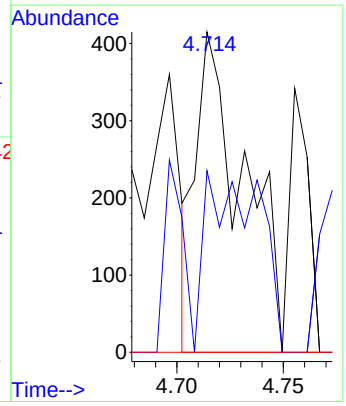


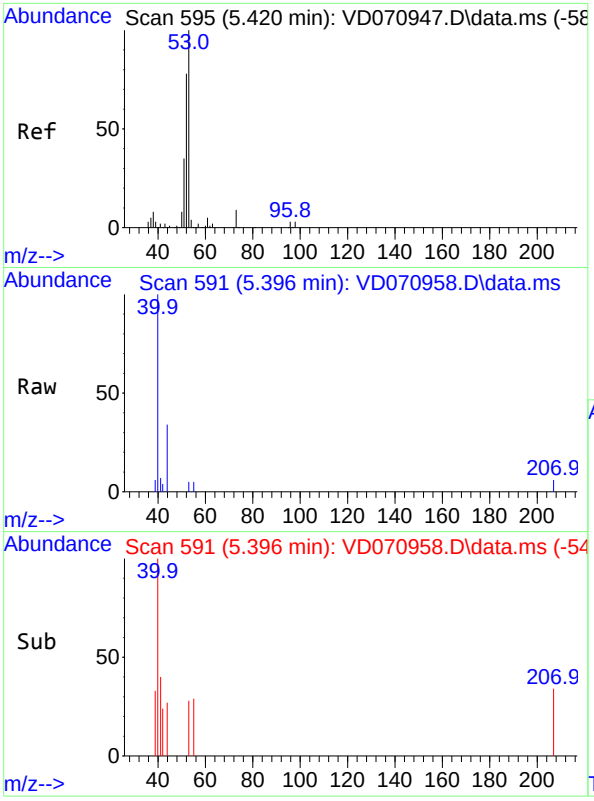


#14
Allyl chloride
Concen: 5.220 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 41 Resp: 644

Ion	Ratio	Lower	Upper
41	100		
39	63.8	45.6	68.4
76	0.0	30.2	45.4#



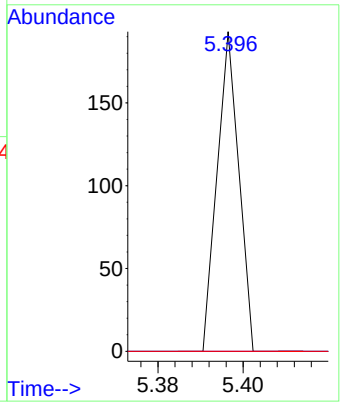


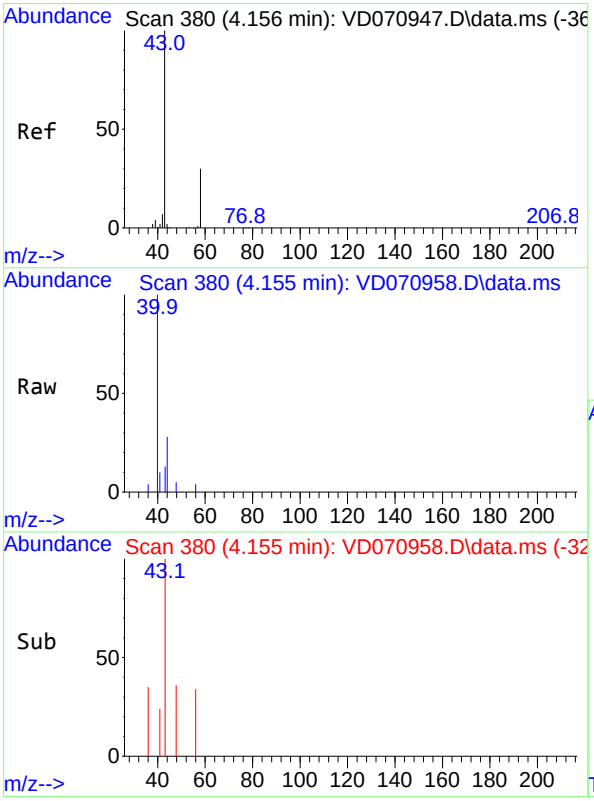
#15
Acrylonitrile
Concen: 4.375 ug/l
RT: 5.396 min Scan# 5
Delta R.T. -0.024 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 53 Resp: 68

Ion	Ratio	Lower	Upper
53	100		
52	0.0	63.8	95.8#
51	0.0	28.5	42.7#

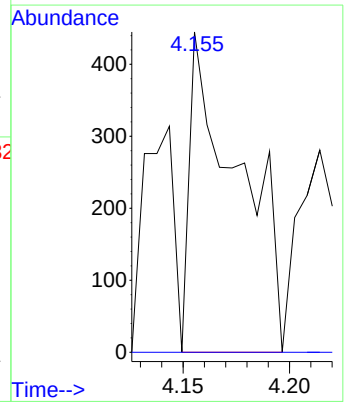


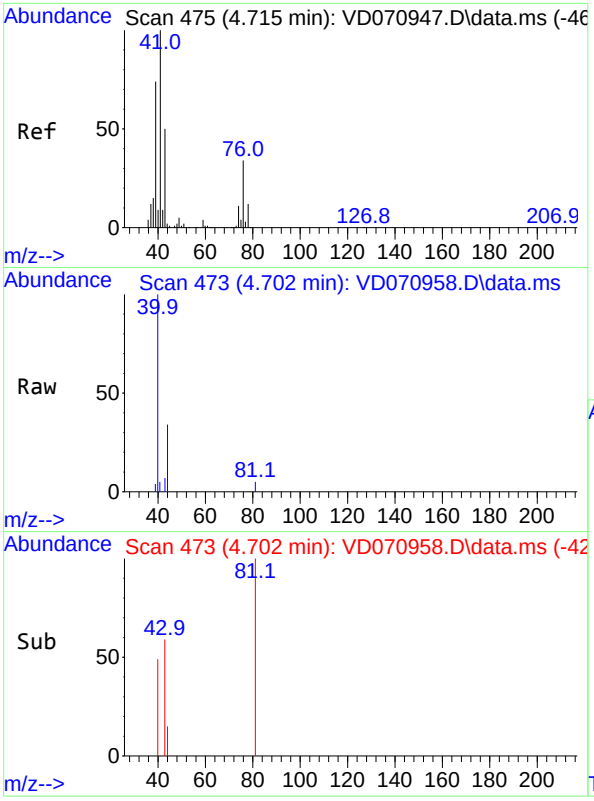


#16
Acetone
Concen: 56.150 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 43 Resp: 708

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.8	41.8#



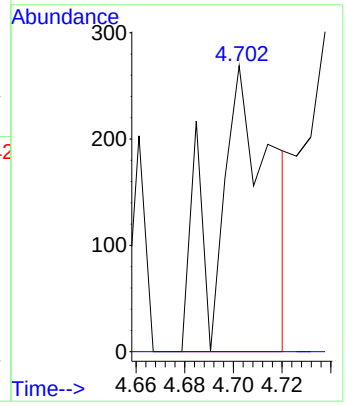


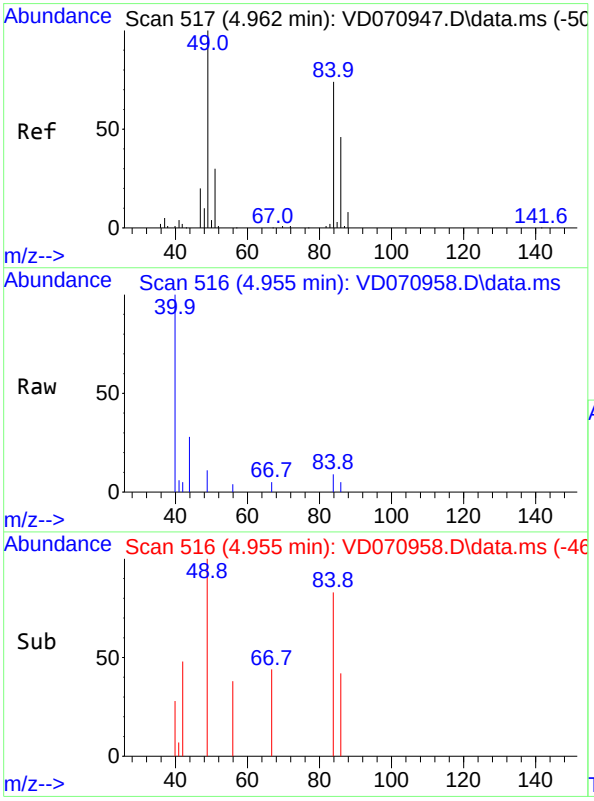
#18
Methyl Acetate
Concen: 7.372 ug/l
RT: 4.702 min Scan# 4
Delta R.T. -0.013 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 420

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.3	28.9#

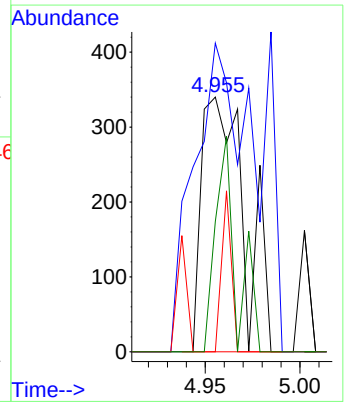


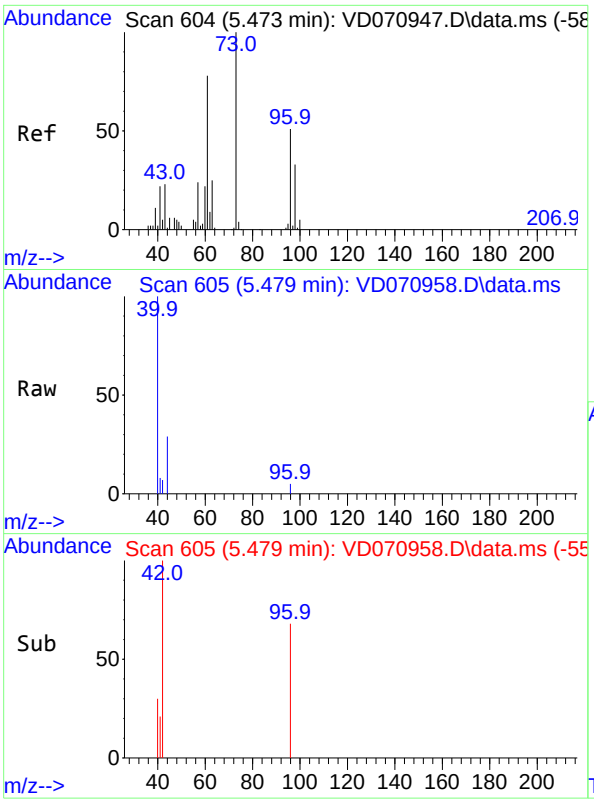


#20
Methylene Chloride
Concen: 6.719 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 84 Resp: 535

Ion	Ratio	Lower	Upper
84	100		
49	121.2	95.8	143.6
51	0.0	30.9	46.3#
86	51.2	50.3	75.5



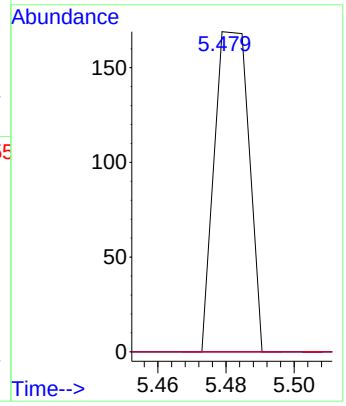


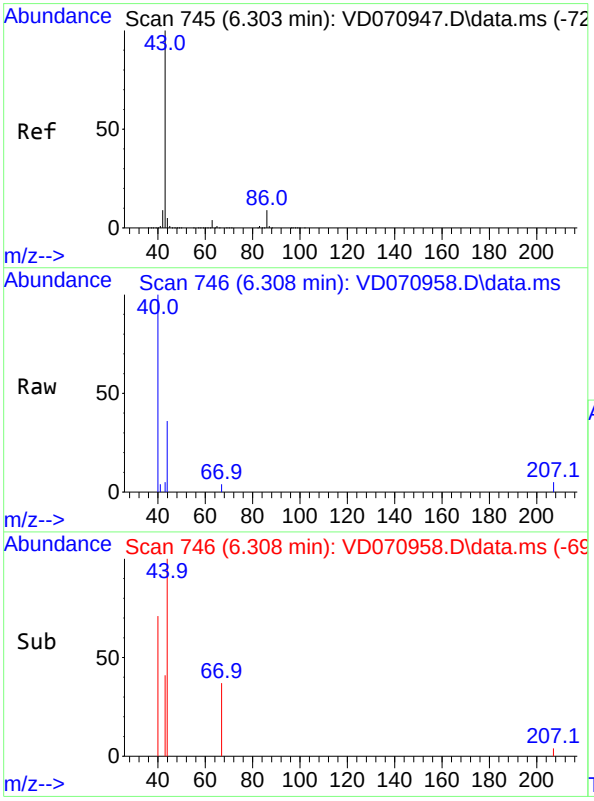
#21
trans-1,2-Dichloroethene
Concen: 1.753 ug/l
RT: 5.479 min Scan# 6
Delta R.T. 0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 96 Resp: 119

Ion	Ratio	Lower	Upper
96	100		
61	0.0	102.1	153.1#
98	0.0	50.1	75.1#

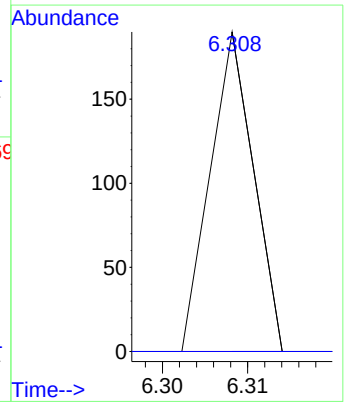


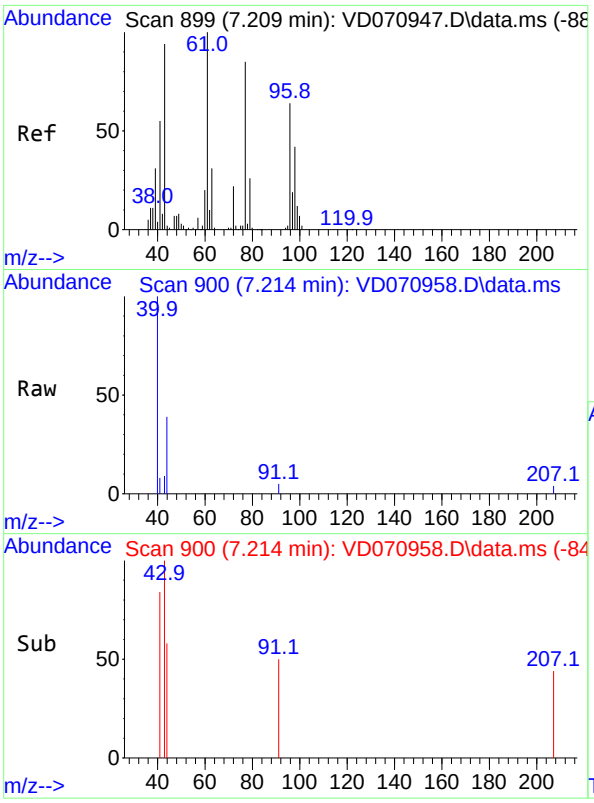


#23
Vinyl Acetate
Concen: 21.451 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 43 Resp: 67

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



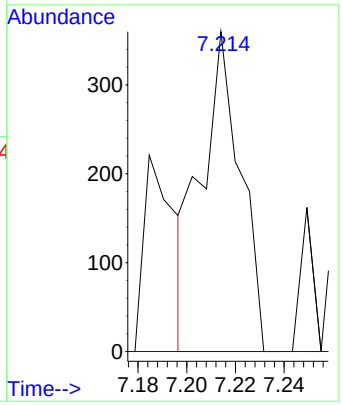


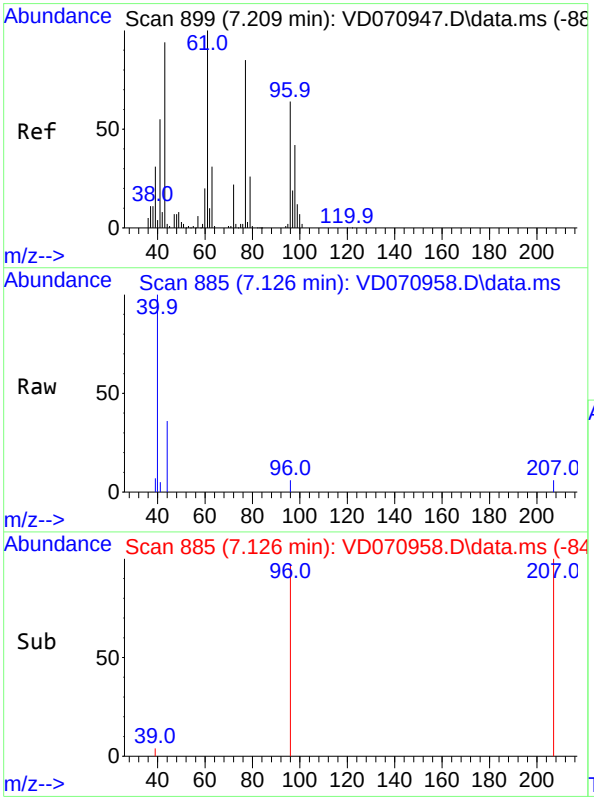
#25
2-Butanone
Concen: 36.221 ug/l
RT: 7.214 min Scan# 9
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 400

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#

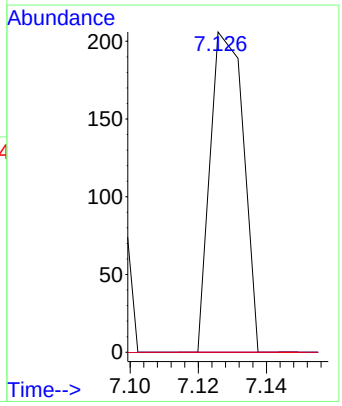


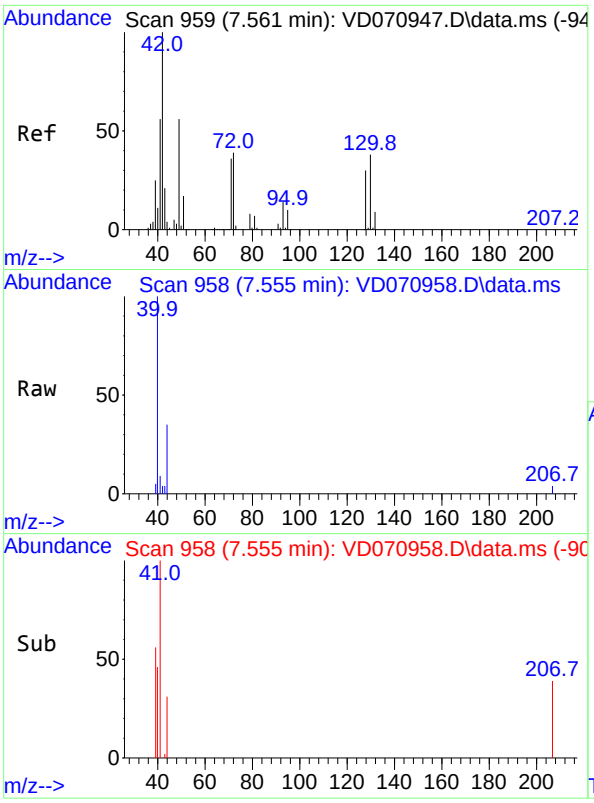


#27
cis-1,2-Dichloroethene
Concen: 1.791 ug/l
RT: 7.126 min Scan# 885
Delta R.T. -0.083 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 96 Resp: 139

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	288.6
98	0.0	0.0	129.2



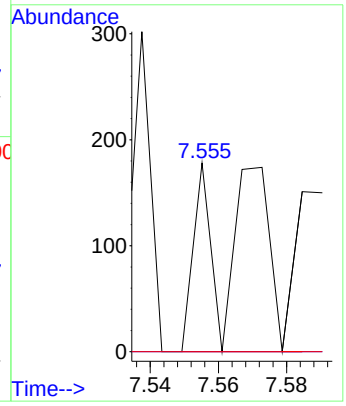


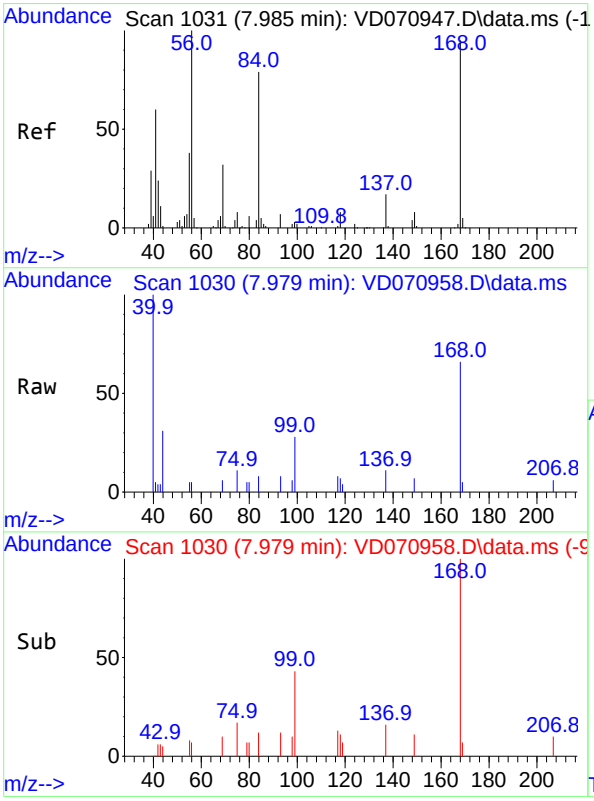
#29
Tetrahydrofuran
Concen: 13.711 ug/l
RT: 7.555 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 42 Resp: 185

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#

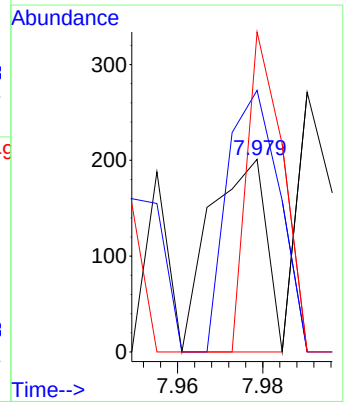


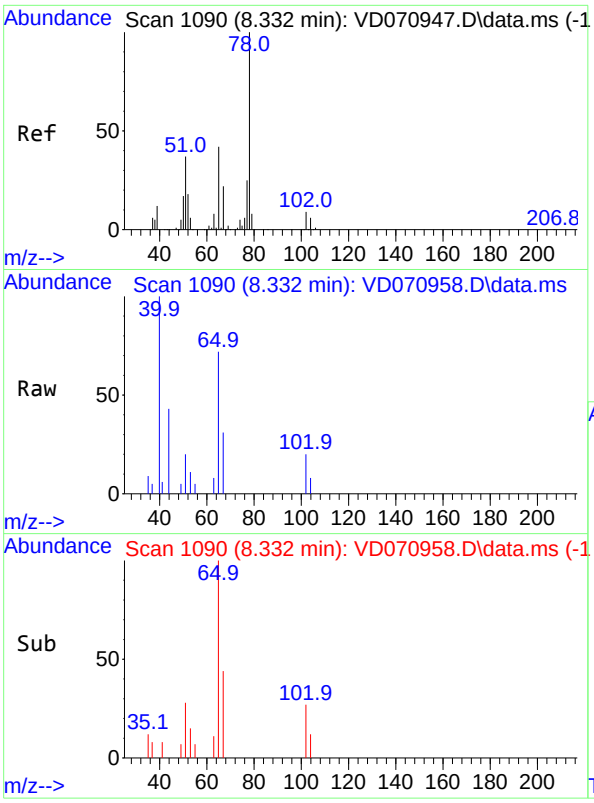


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 56 Resp: 184

Ion	Ratio	Lower	Upper
56	100		
69	57.2	25.9	38.9#
84	166.2	64.3	96.5#



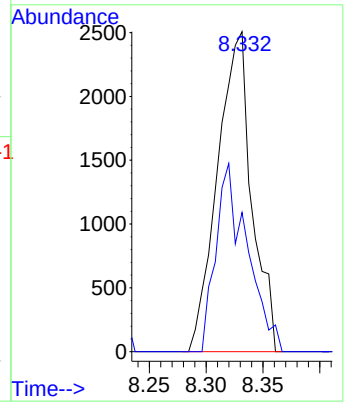


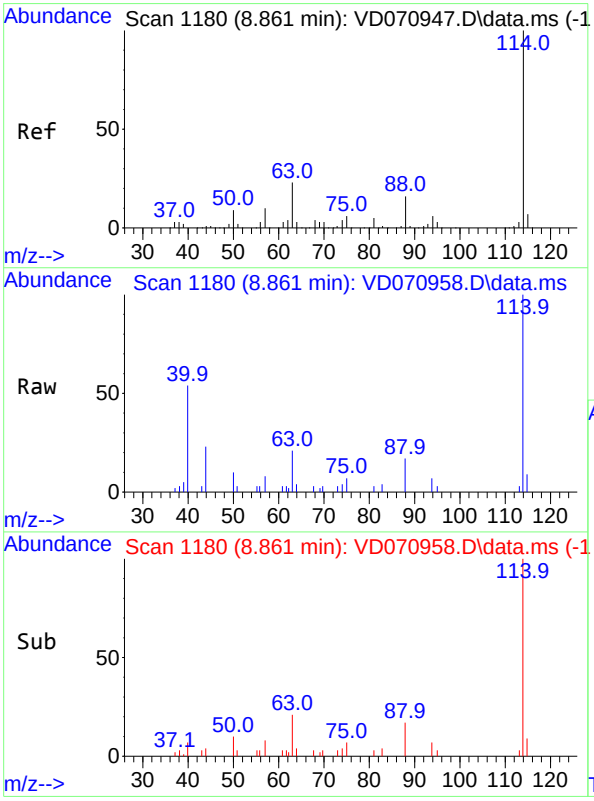
#33
1,2-Dichloroethane-d4
Concen: 79.285 ug/l
RT: 8.332 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 65 Resp: 5265

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	112.2

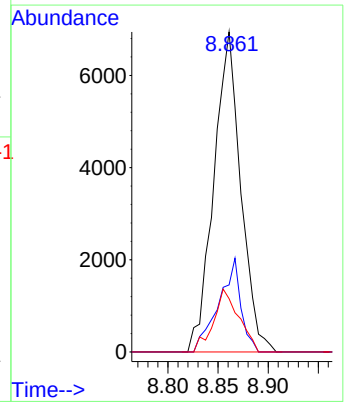


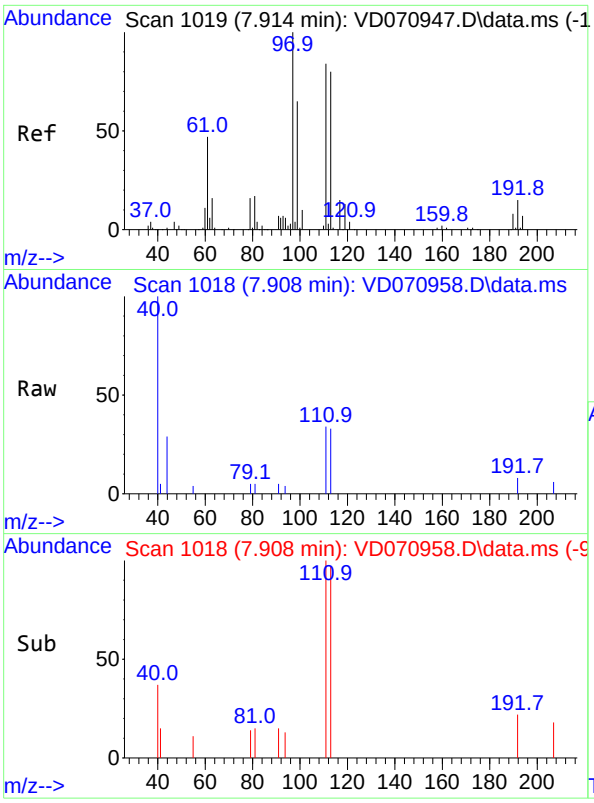


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion:114 Resp: 13022

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	16.6	0.0	32.8



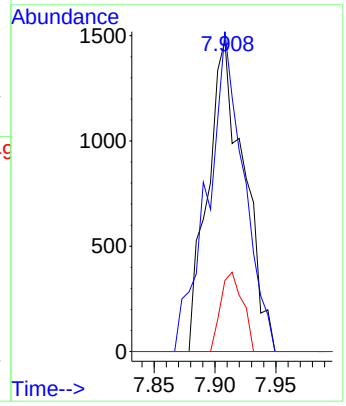


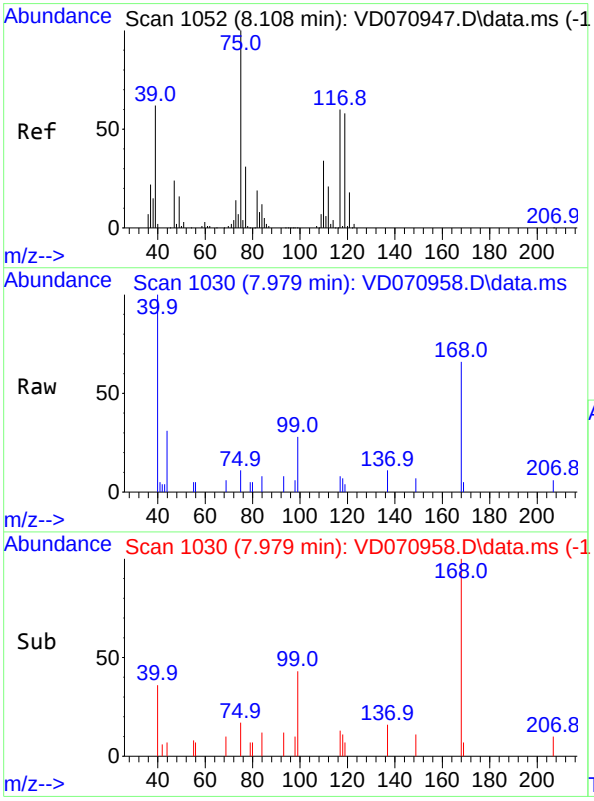
#35
Dibromofluoromethane
Concen: 41.698 ug/l
RT: 7.908 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion:113 Resp: 3064

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	15.5	15.2	22.8

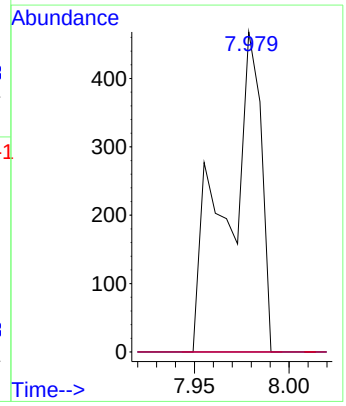


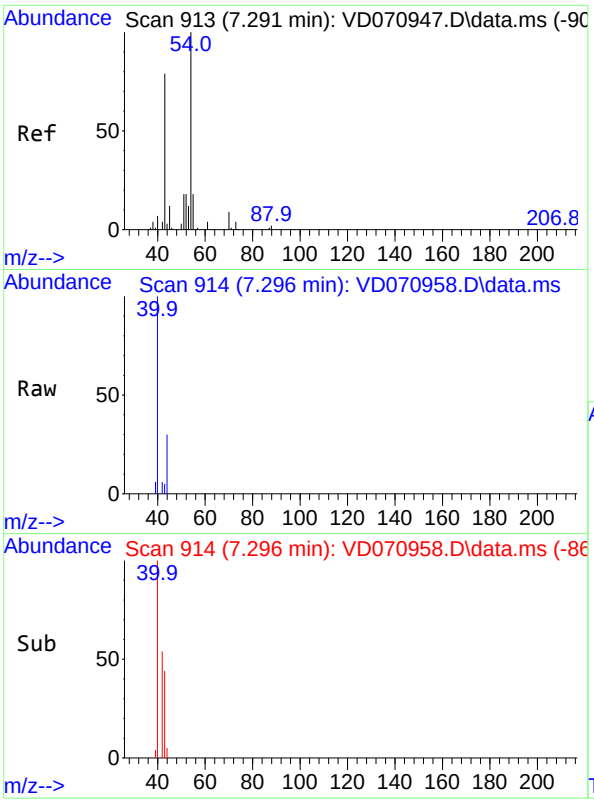


#36
1,1-Dichloropropene
Concen: 5.057 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 75 Resp: 588

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



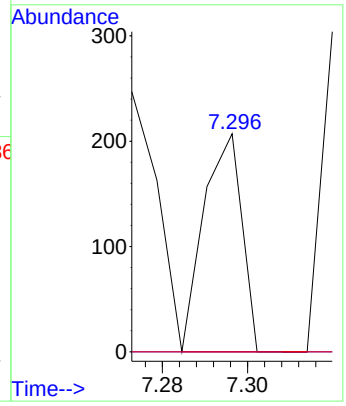


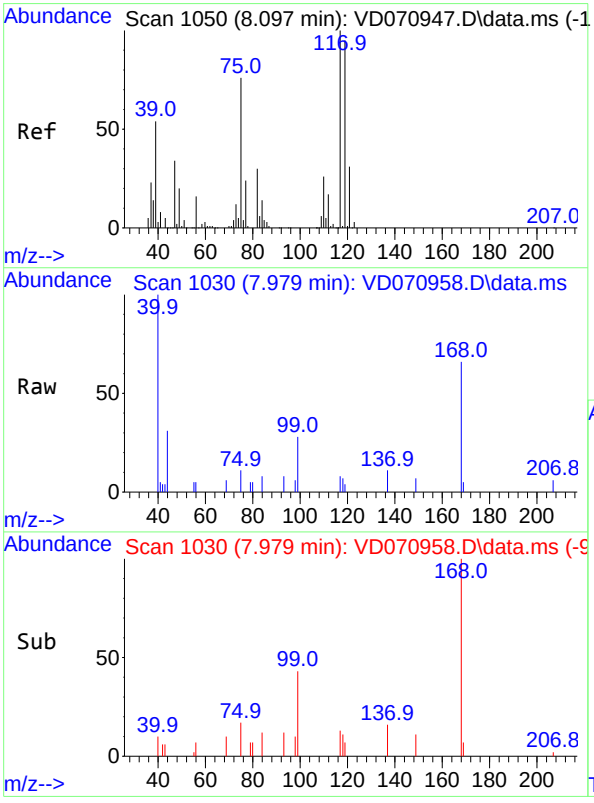
#37
Ethyl Acetate
Concen: 2.413 ug/l
RT: 7.296 min Scan# 91
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 128

Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#

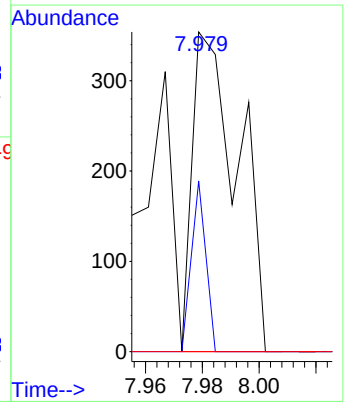


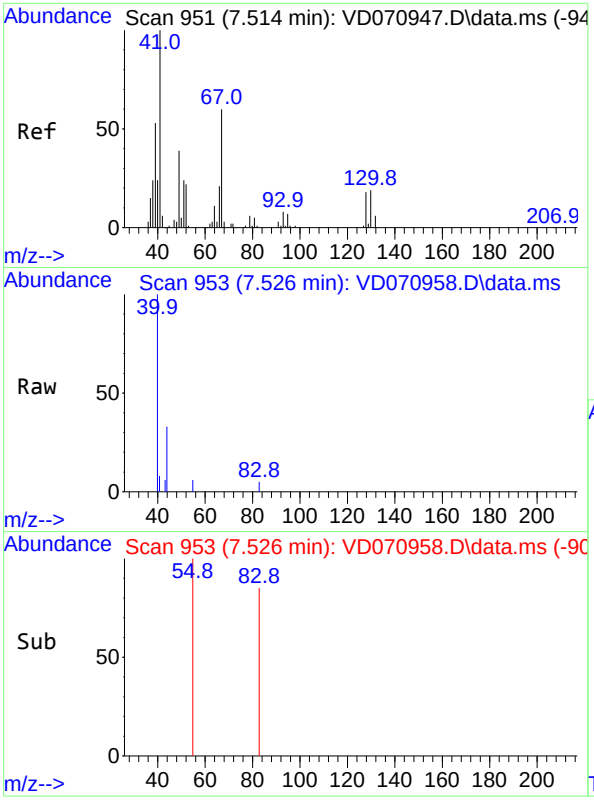


#38
Carbon Tetrachloride
Concen: 3.699 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion:117 Resp: 396

Ion	Ratio	Lower	Upper
117	100		
119	53.4	75.8	113.6#
121	0.0	23.6	35.4#



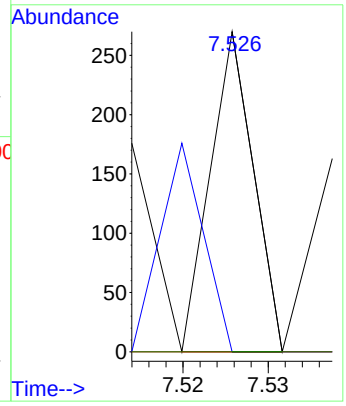


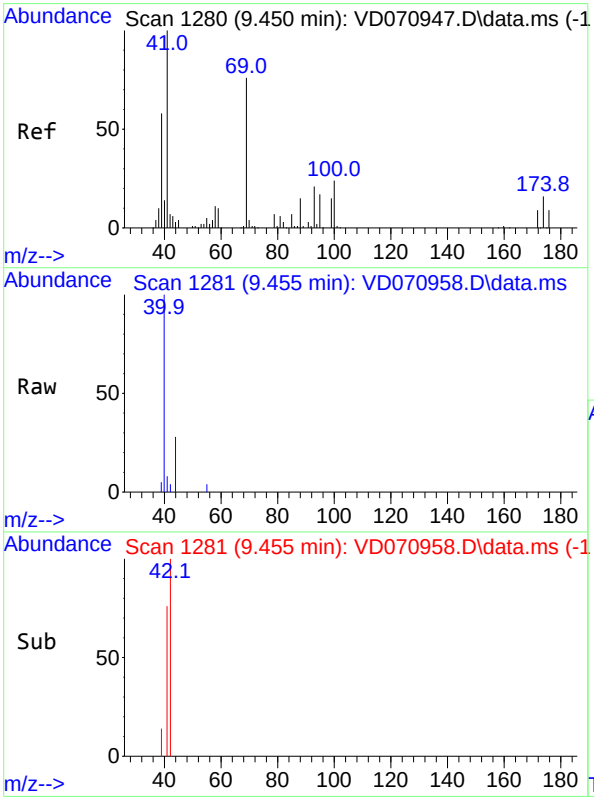
#41
Methacrylonitrile
Concen: 5.767 ug/l
RT: 7.526 min Scan# 9
Delta R.T. 0.012 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 41 Resp: 95

Ion	Ratio	Lower	Upper
41	100		
39	65.3	60.2	90.4
67	0.0	74.8	112.2#
52	0.0	28.8	43.2#

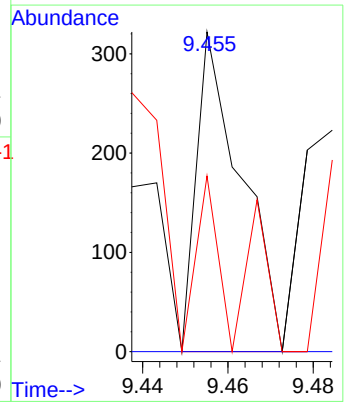


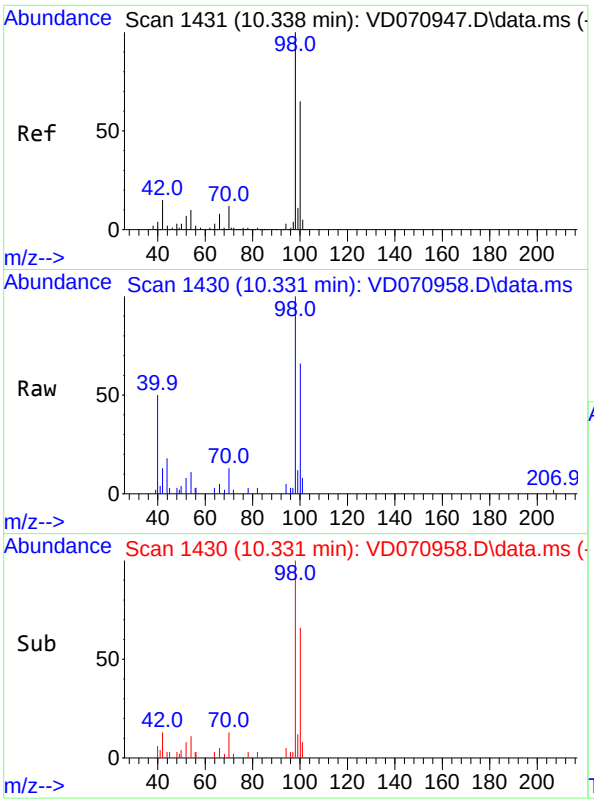


#48
Methyl methacrylate
Concen: 4.249 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 41 Resp: 234

Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	74.8	35.6	53.4#



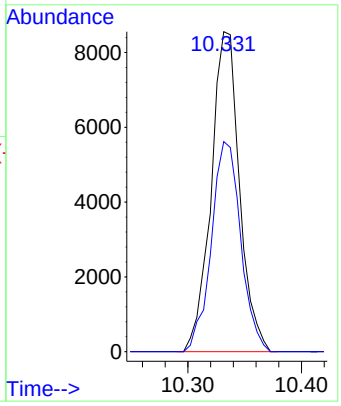


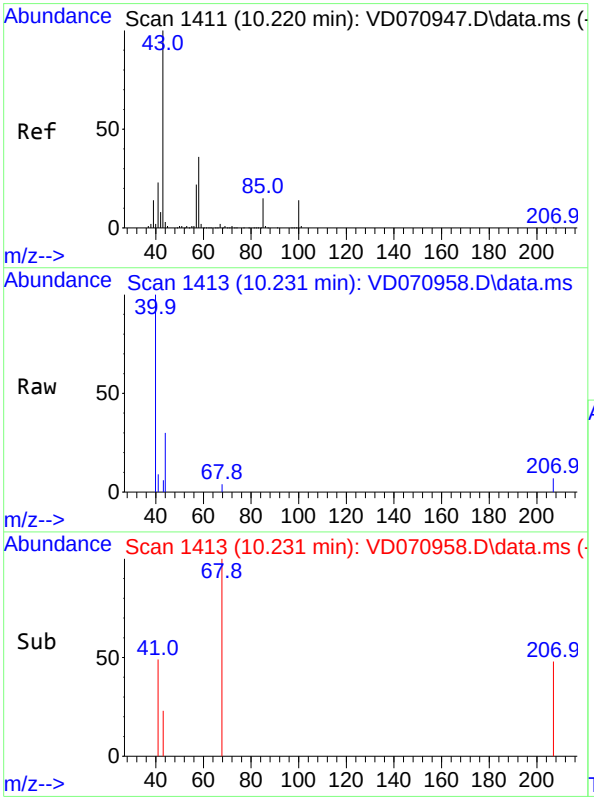
#50
Toluene-d8
Concen: 51.576 ug/l
RT: 10.331 min Scan# 14
Delta R.T. -0.007 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 98 Resp: 14842

Ion	Ratio	Lower	Upper
98	100		
100	67.9	51.8	77.6

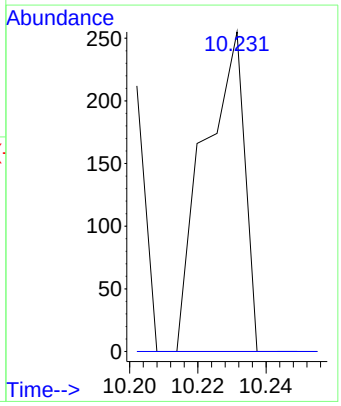


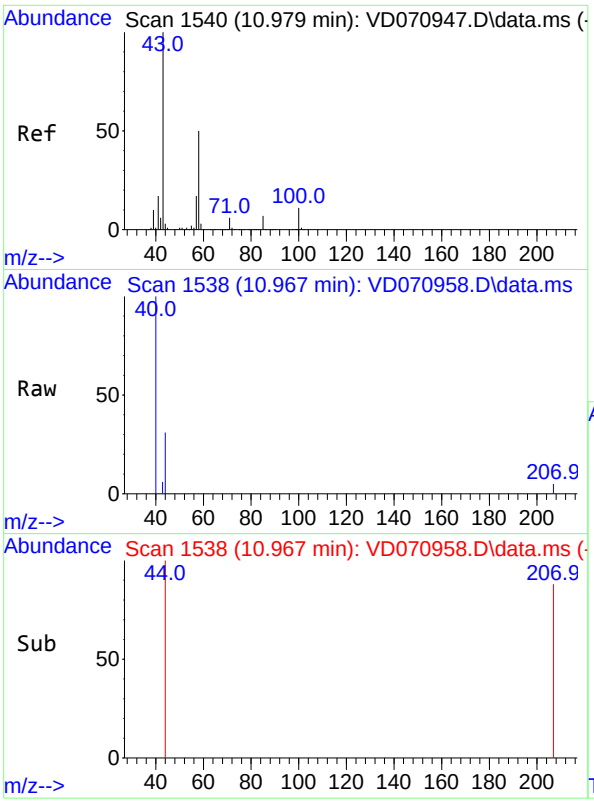


#51
4-Methyl-2-Pentanone
Concen: 3.858 ug/l
RT: 10.231 min Scan# 1413
Delta R.T. 0.011 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 43 Resp: 210

Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.1	49.7#



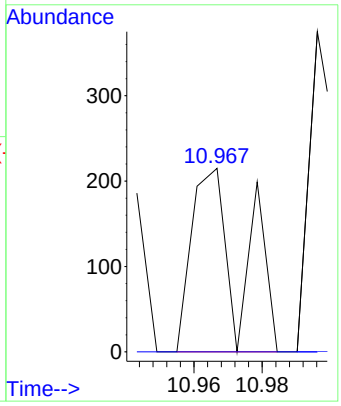


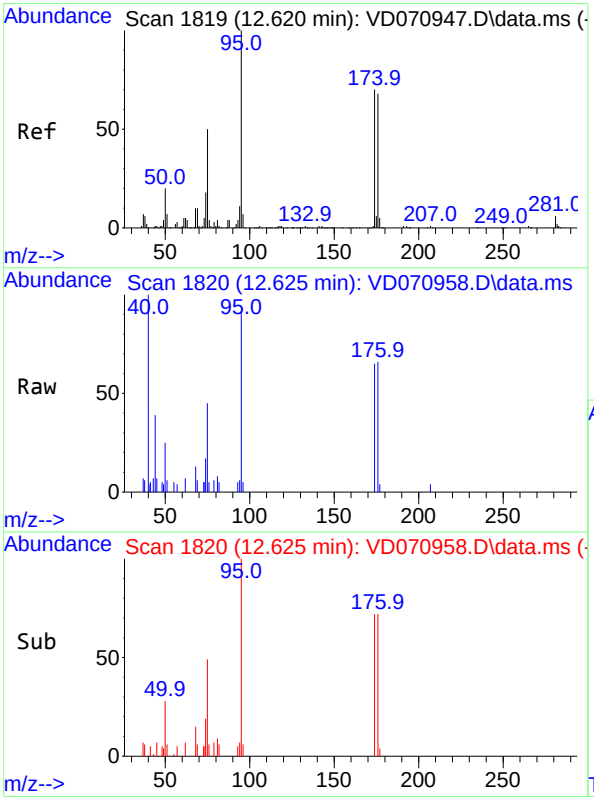
#59
2-Hexanone
Concen: 20.664 ug/l
RT: 10.967 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 215

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	86.1#

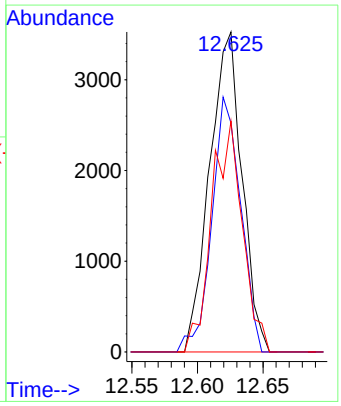


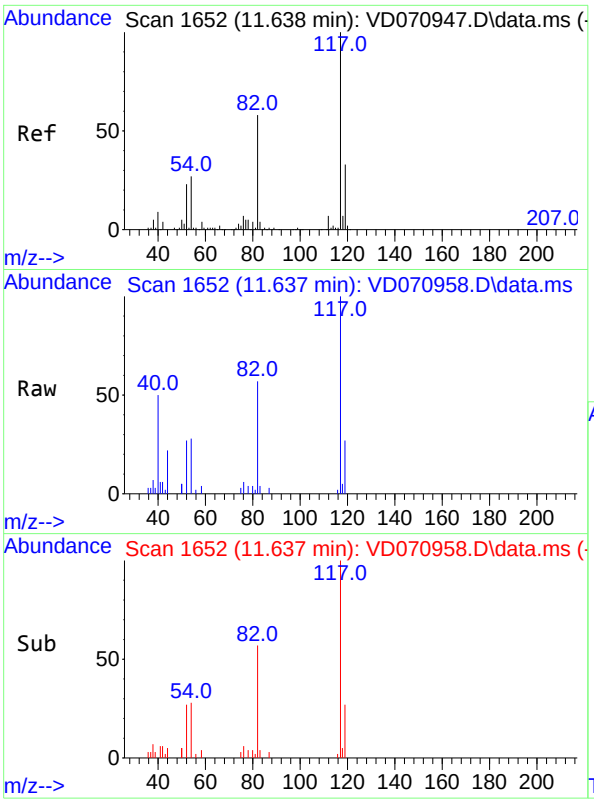


#62
4-Bromofluorobenzene
Concen: 58.467 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 95 Resp: 6058

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	159.4
176	68.7	0.0	154.0



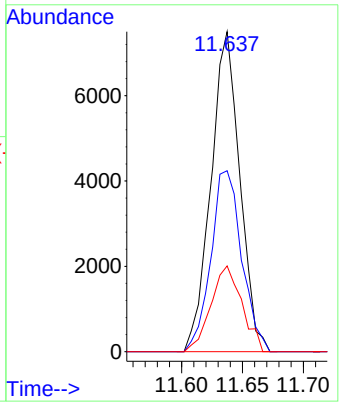


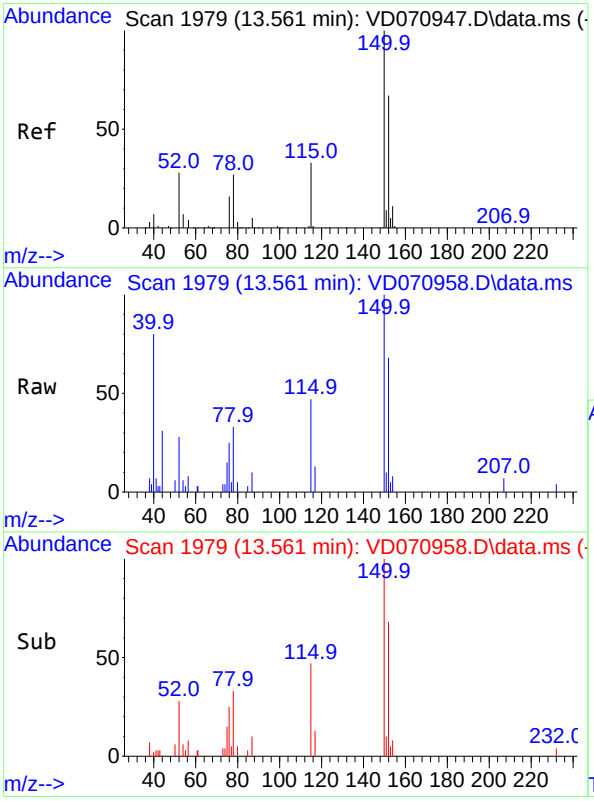
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 12388

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.7	67.1
119	26.8	26.2	39.4

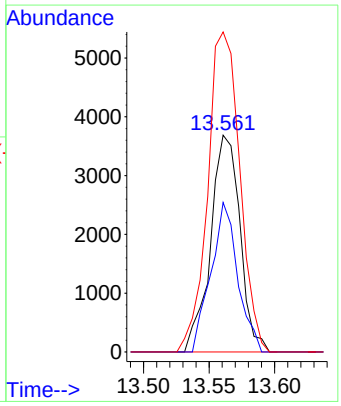


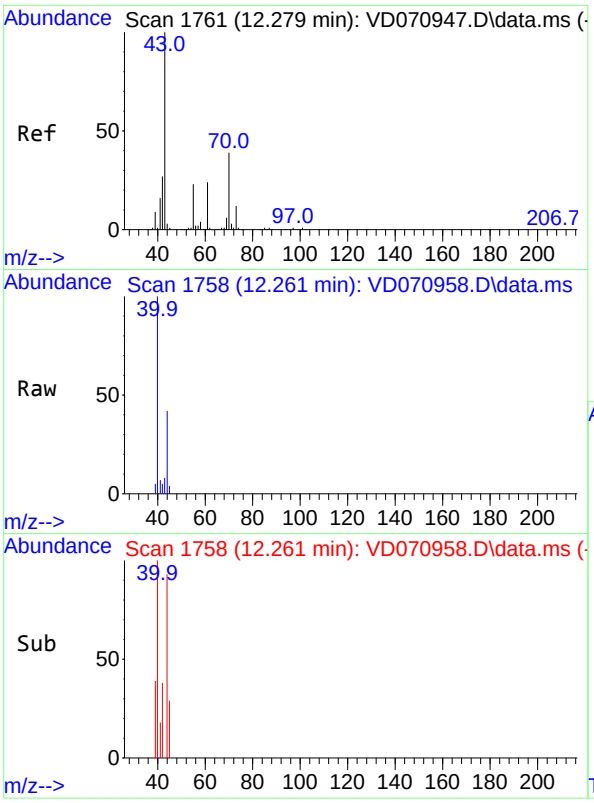


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion:152 Resp: 5759

Ion	Ratio	Lower	Upper
152	100		
115	62.7	29.8	89.3
150	160.9	0.0	349.2



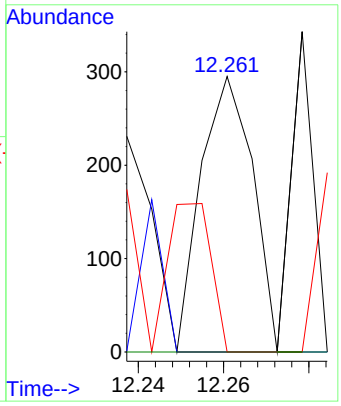


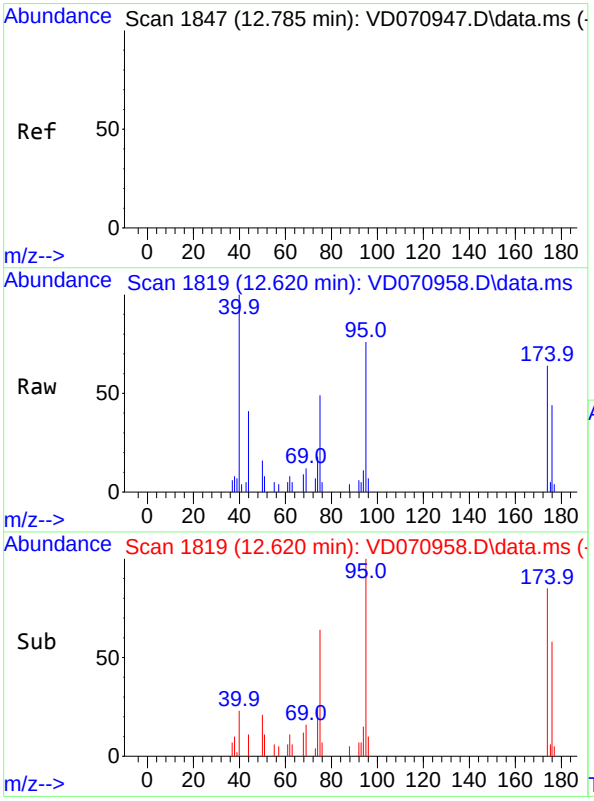
#74
N-amyl acetate
Concen: 2.101 ug/l
RT: 12.261 min Scan# 1
Delta R.T. -0.018 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 249

Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	45.0	22.5	33.7#
61	0.0	20.5	30.7#

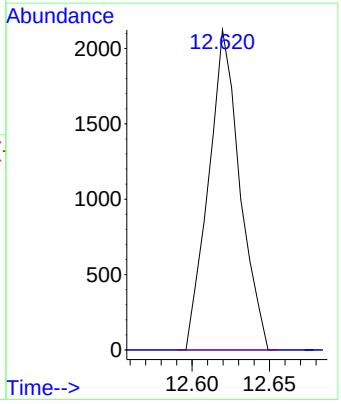


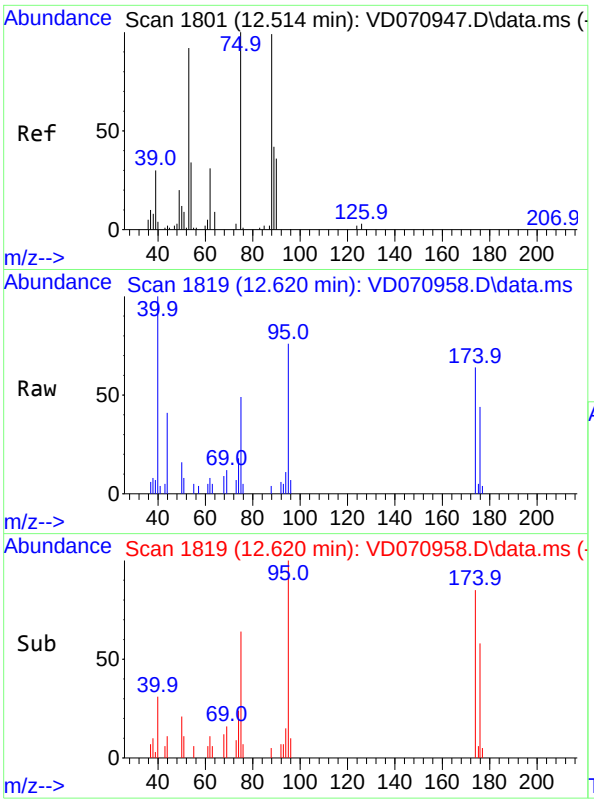


#76
1,2,3-Trichloropropane
Concen: 60.618 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 75 Resp: 2982

Ion	Ratio	Lower	Upper
75	100		
77	0.0	158.4	475.3#



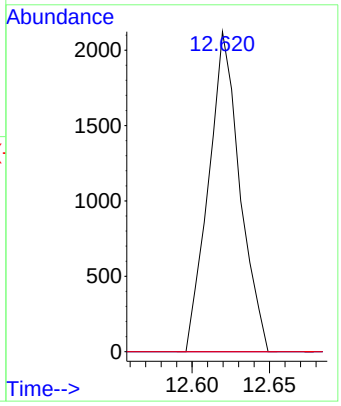


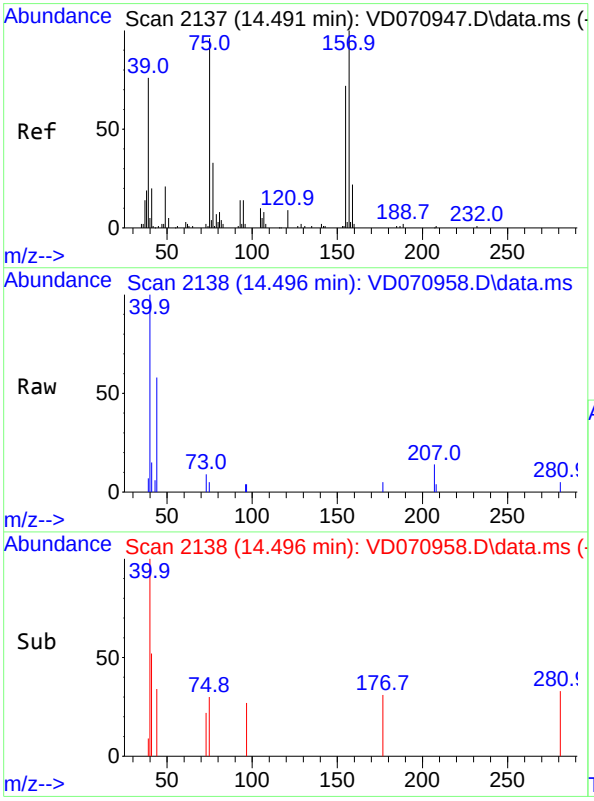
#81
trans-1,4-Dichloro-2-butene
Concen: 112.289 ug/l
RT: 12.620 min Scan# 1
Delta R.T. 0.106 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 2982

Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.6	94.0#
89	0.0	34.5	51.7#





#92
1,2-Dibromo-3-Chloropropane
Concen: 5.977 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.005 min
Lab File: VD070958.D
Acq: 09 Nov 2021 19:10

Tgt Ion: 75 Resp: 70

Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#