Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
Data File : VD072674.D
Acq On : 21 Apr 2022 16:45
Operator : VA/SY
Sample : N2494-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Quant Time: Apr 22 03:41:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	10692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	18352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	18419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	8522	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9714	75.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.200%			
35) Dibromofluoromethane	7.908	113	7836	54.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.332	98	20126	40.596	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.200%			
62) 4-Bromofluorobenzene	12.626	95	7503	38.752	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.500%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	746	9.505	ug/l	97
4) Vinyl Chloride	2.191	62	81	1.831	ug/l #	43
5) Bromomethane	2.785	94	119	1.968	ug/l #	1
10) Methyl Iodide	4.314	142	258	5.816	ug/l #	71
12) 1,1-Dichloroethene	4.062	96	215	2.239	ug/l #	1
14) Allyl chloride	4.691	41	66	1.509	ug/l #	22
15) Acrylonitrile	5.691	53	59	2.155	ug/l #	17
16) Acetone	4.144	43	1246	51.663	ug/l #	47
20) Methylene Chloride	4.967	84	244	1.699	ug/l #	2
23) Vinyl Acetate	6.350	43	64	6.590	ug/l #	75
25) 2-Butanone	7.226	43	54	1.619	ug/l #	52
29) Tetrahydrofuran	7.385	42	82	4.072	ug/l #	38
31) Cyclohexane	7.979	56	706	4.175	ug/l #	50
36) 1,1-Dichloropropene	8.103	75	94	1.628	ug/l #	37
38) Carbon Tetrachloride	7.967	117	1285	6.540	ug/l #	13
39) Methylcyclohexane	9.355	83	1429	9.222	ug/l #	88
48) Methyl methacrylate	9.391	41	262	3.723	ug/l #	19
51) 4-Methyl-2-Pentanone	10.226	43	82	1.054	ug/l #	32
56) Ethyl methacrylate	10.667	69	207	2.682	ug/l	94
59) 2-Hexanone	11.002	43	67	1.267	ug/l #	27
64) Tetrachloroethene	10.867	164	145	1.205	ug/l #	1
73) Isopropylbenzene	12.473	105	1030	1.497	ug/l #	60
76) 1,2,3-Trichloropropane	12.620	75	4325	46.532	ug/l #	100
77) Bromobenzene	12.902	156	913	5.918	ug/l #	1
79) 2-Chlorotoluene	12.902	91	597	1.230	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.526	75	131	3.458	ug/l #	7
85) sec-Butylbenzene	13.385	105	1123	1.461	ug/l	99
89) n-Butylbenzene	13.832	91	1280	2.139	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.155	180	421	2.409	ug/l #	73
95) Naphthalene	15.379	128	1110	3.269	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.573	180	331	2.170	ug/l #	31

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
Data File : VD072674.D
Acq On : 21 Apr 2022 16:45
Operator : VA/SY
Sample : N2494-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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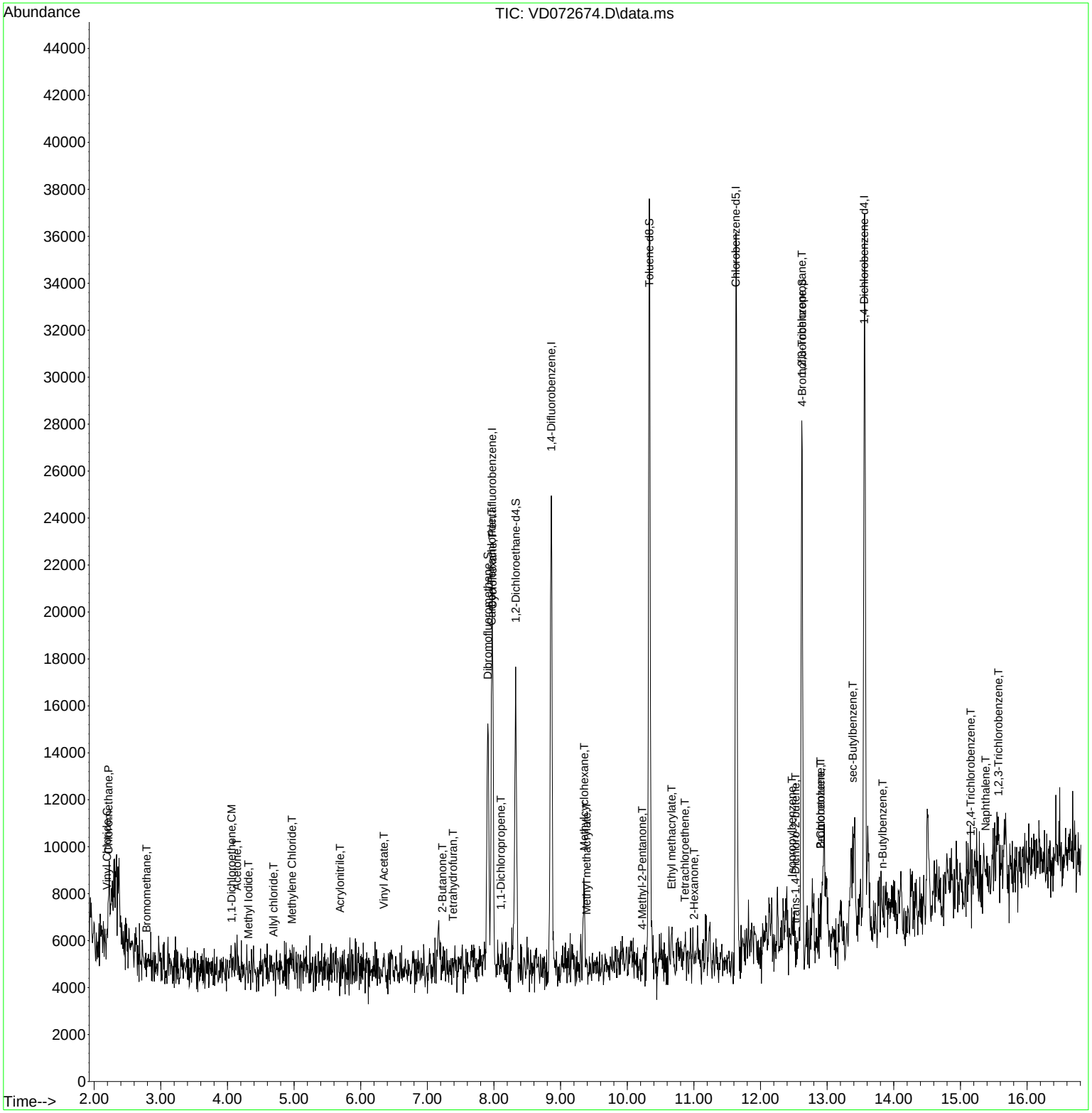
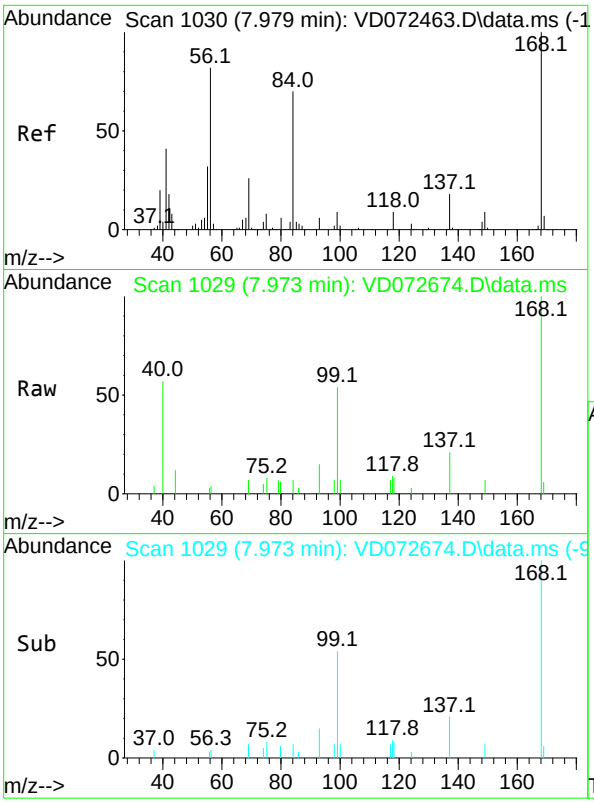
Quant Time: Apr 22 03:41:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration



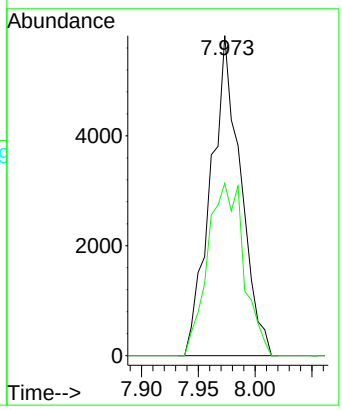


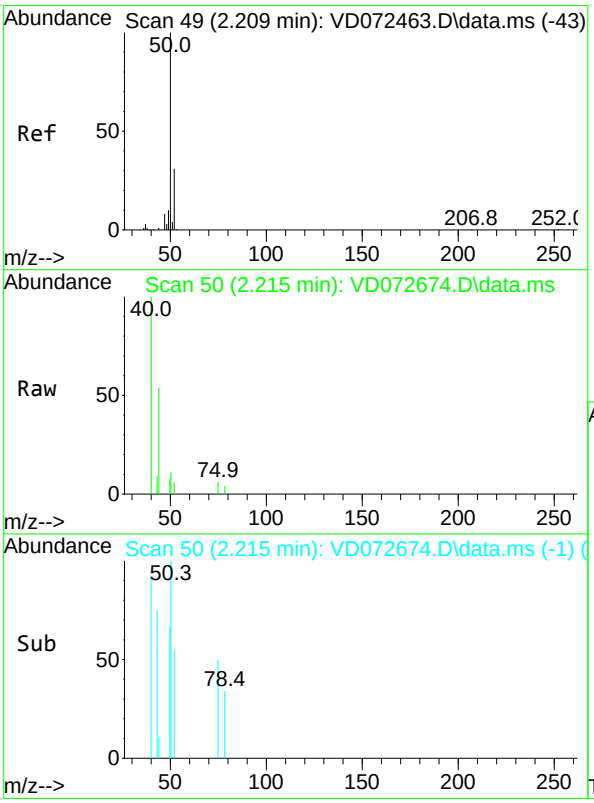
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:168 Resp: 10692

Ion	Ratio	Lower	Upper
168	100		
99	53.8	49.8	74.6

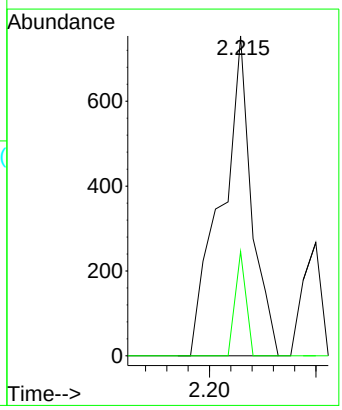


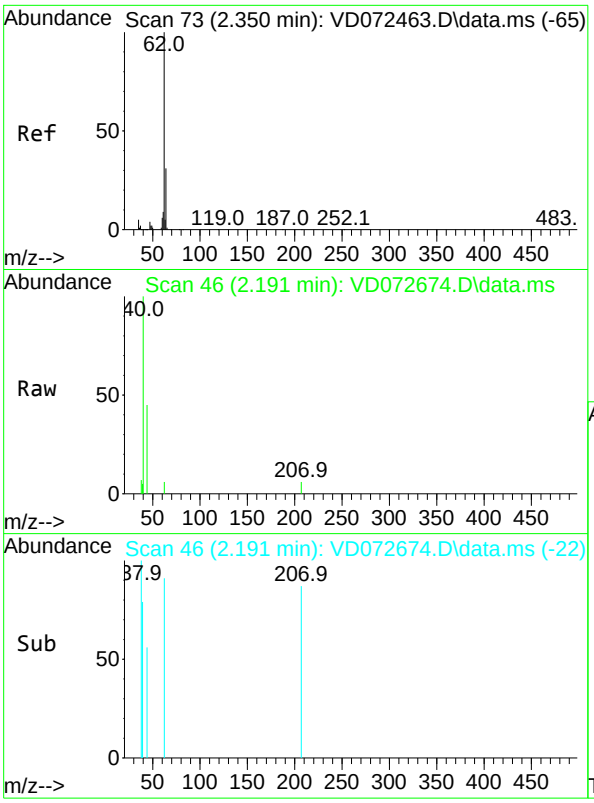


#3
Chloromethane
Concen: 9.505 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 50 Resp: 746

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.4	41.0



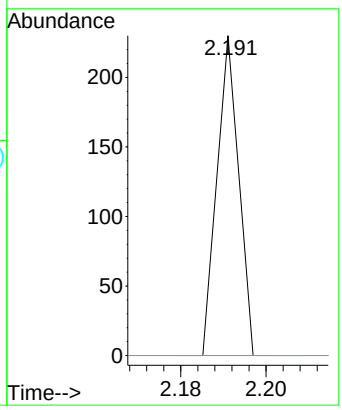


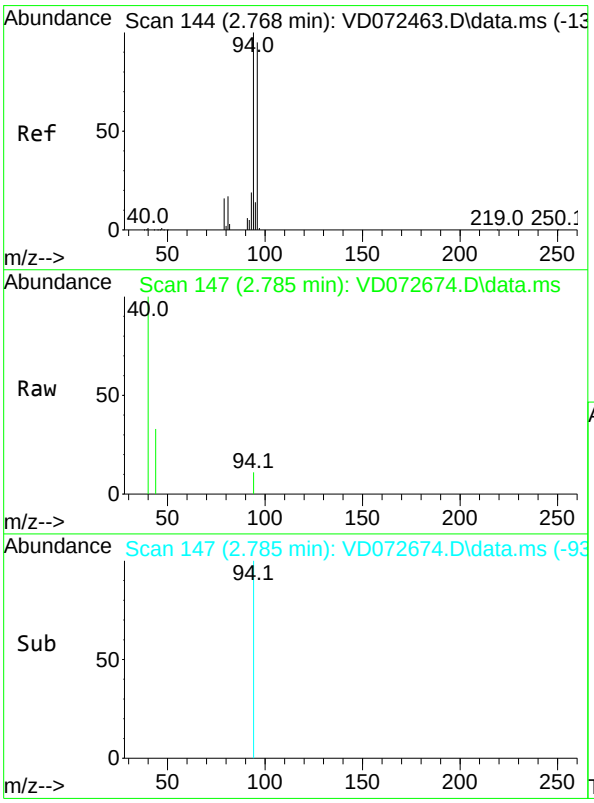
#4
Vinyl Chloride
Concen: 1.831 ug/l
RT: 2.191 min Scan# 4
Delta R.T. -0.159 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 62 Resp: 81

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.4	38.0#

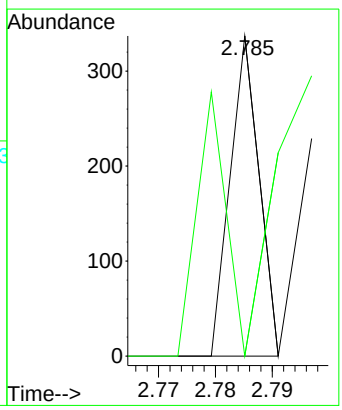


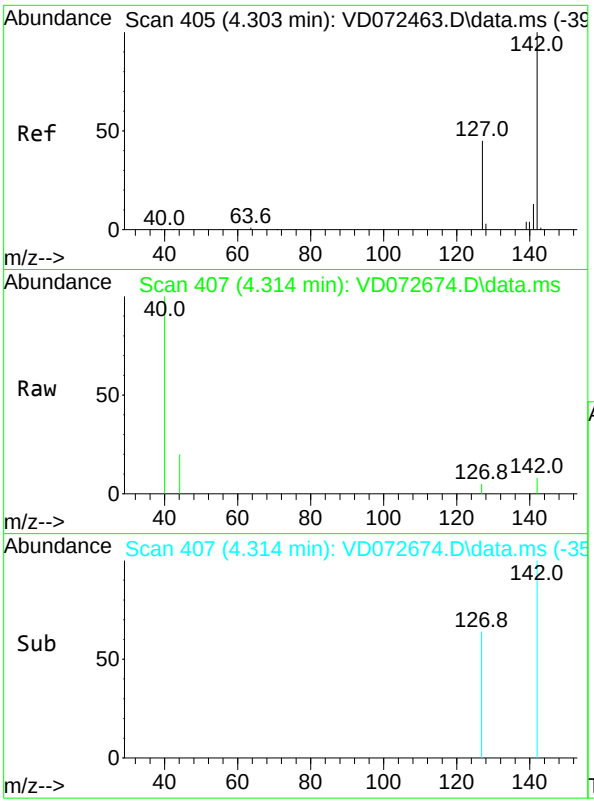


#5
Bromomethane
Concen: 1.968 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 94 Resp: 119

Ion	Ratio	Lower	Upper
94	100		
96	0.0	77.6	116.4#



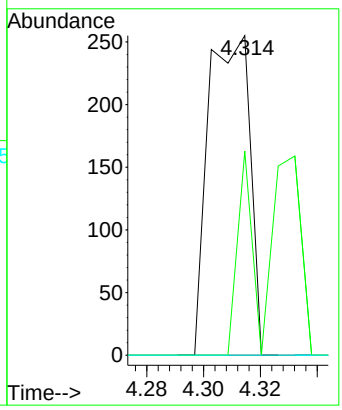


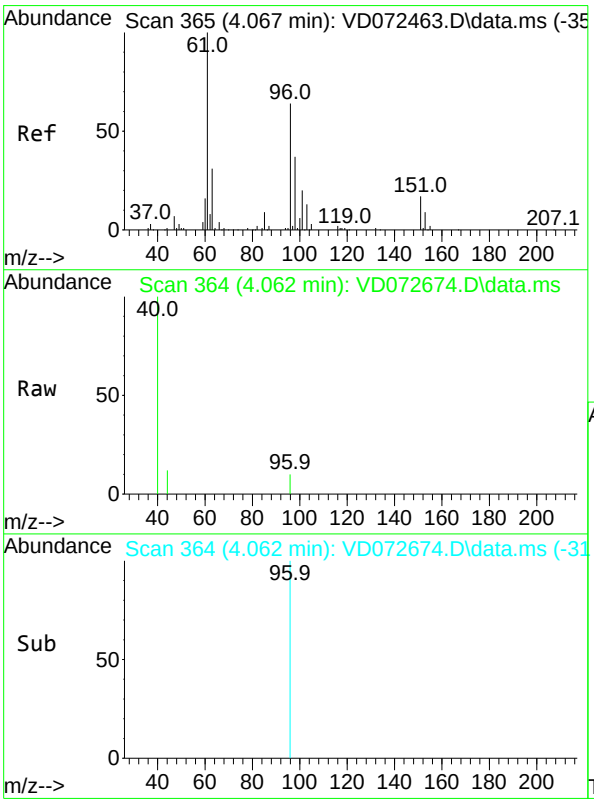
#10
Methyl Iodide
Concen: 5.816 ug/l
RT: 4.314 min Scan# 4(
Delta R.T. 0.011 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:142 Resp: 258

Ion	Ratio	Lower	Upper
142	100		
127	64.7	37.3	55.9#
141	0.0	11.7	17.5#

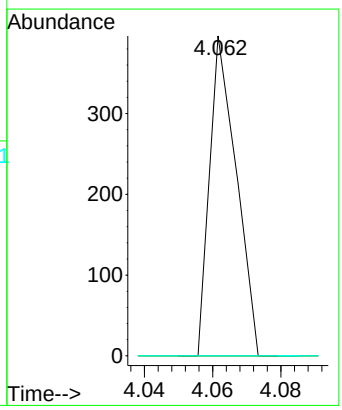


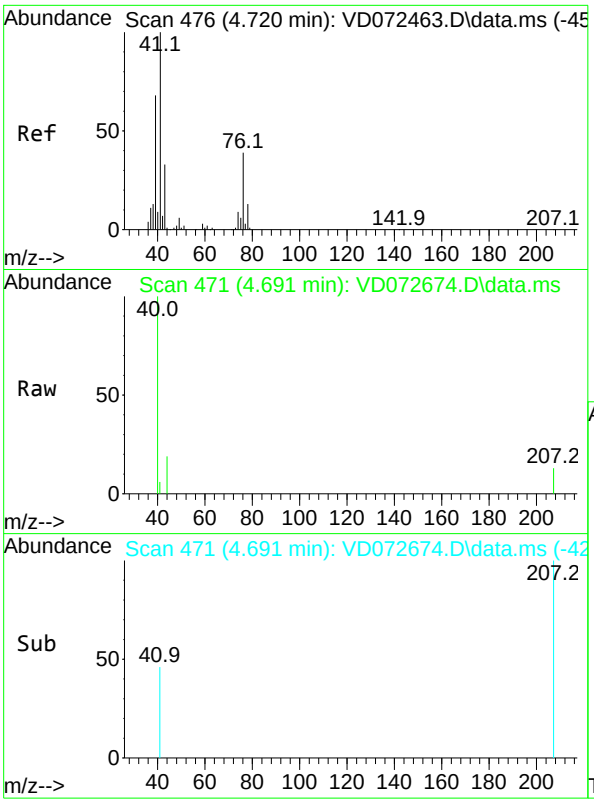


#12
1,1-Dichloroethene
Concen: 2.239 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 96 Resp: 215

Ion	Ratio	Lower	Upper
96	100		
61	0.0	138.5	207.7#
98	0.0	48.6	73.0#



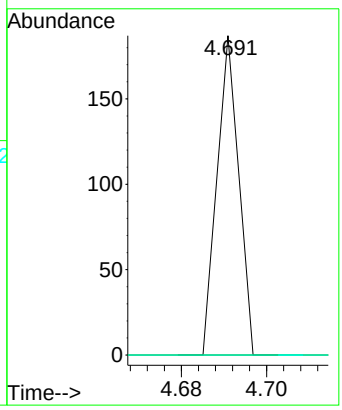


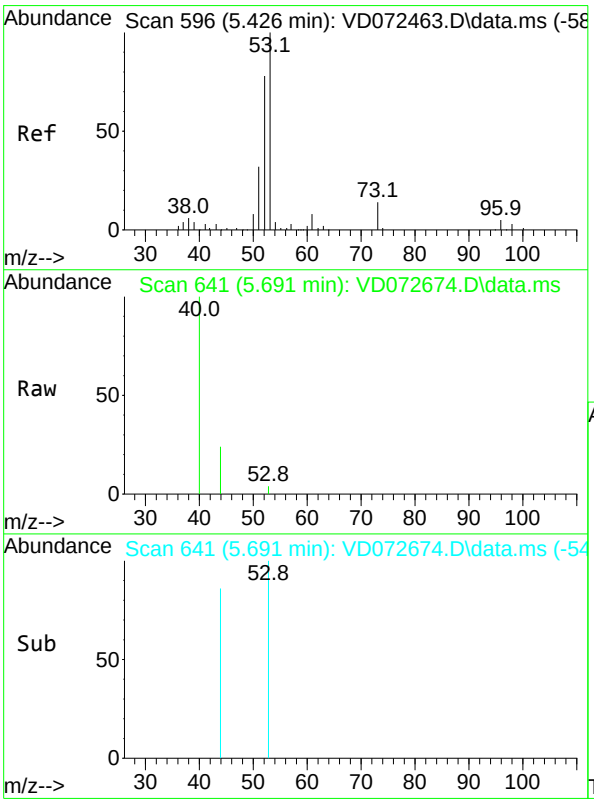
#14
Allyl chloride
Concen: 1.509 ug/l
RT: 4.691 min Scan# 4
Delta R.T. -0.029 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 41 Resp: 66

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
76	0.0	25.7	38.5#

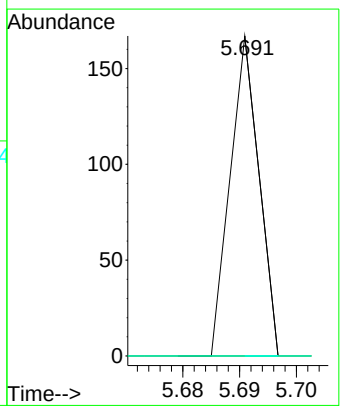


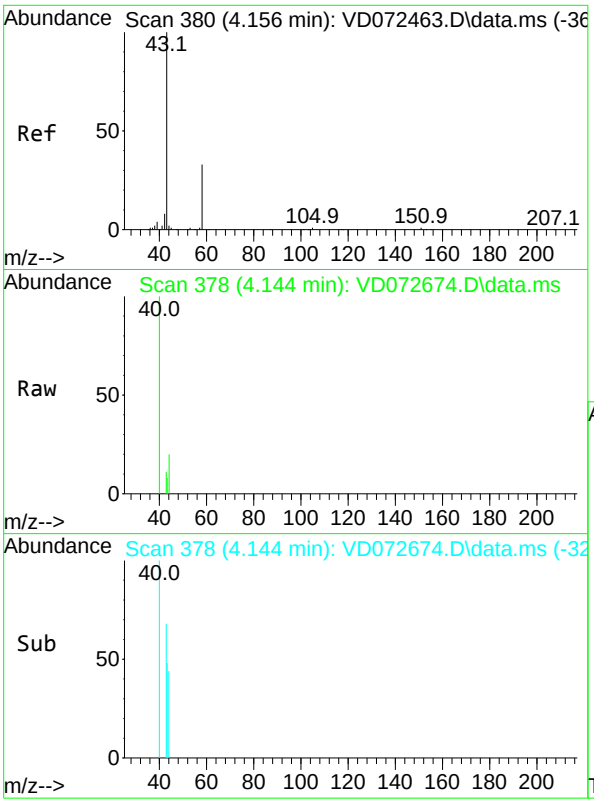


#15
Acrylonitrile
Concen: 2.155 ug/l
RT: 5.691 min Scan# 641
Delta R.T. 0.265 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 53 Resp: 59

Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.2	100.8#
51	0.0	30.3	45.5#



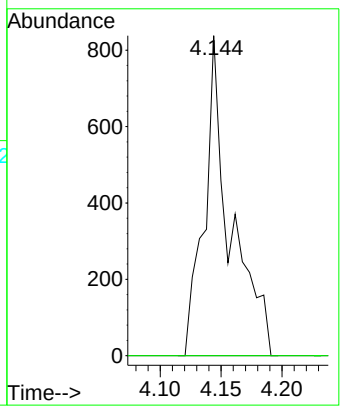


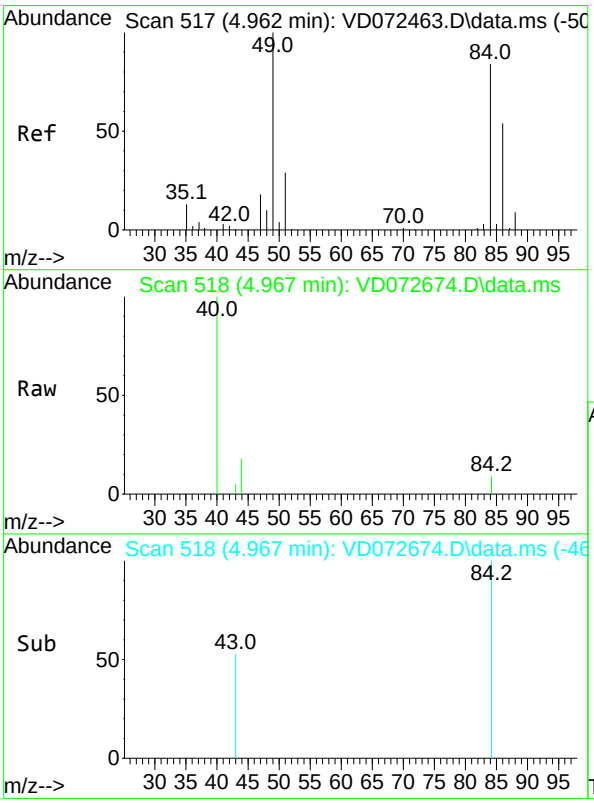
#16
Acetone
Concen: 51.663 ug/l
RT: 4.144 min Scan# 3
Delta R.T. -0.012 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 43 Resp: 1246

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

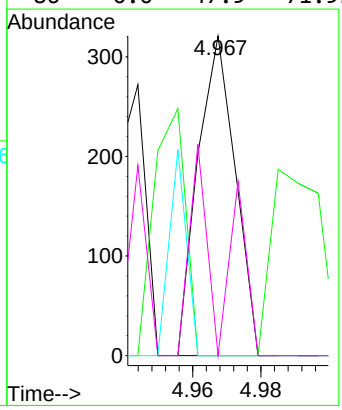


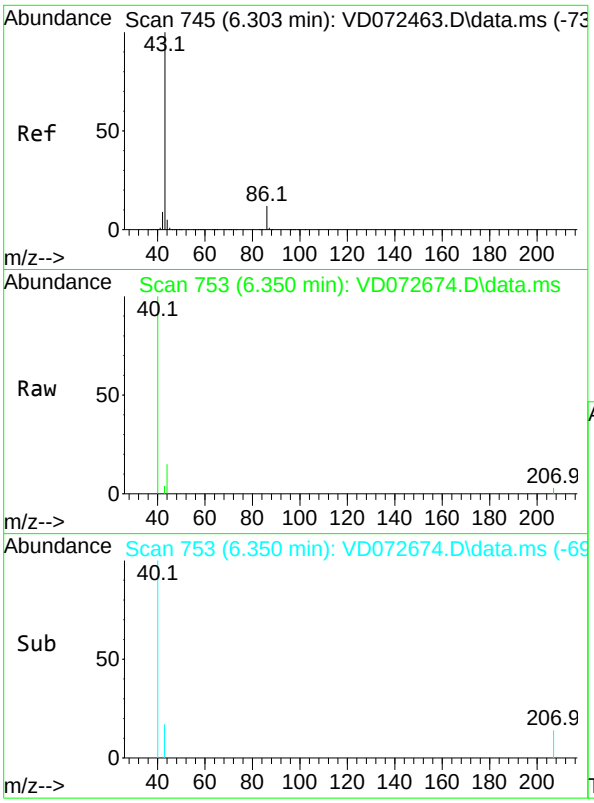


#20
Methylene Chloride
Concen: 1.699 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 84 Resp: 244

Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.8	169.2#
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#



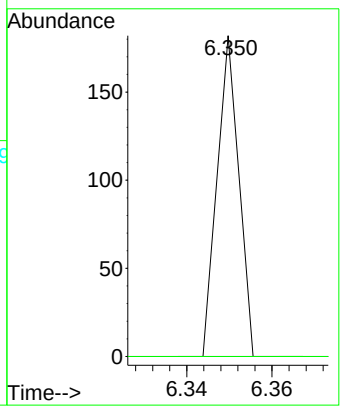


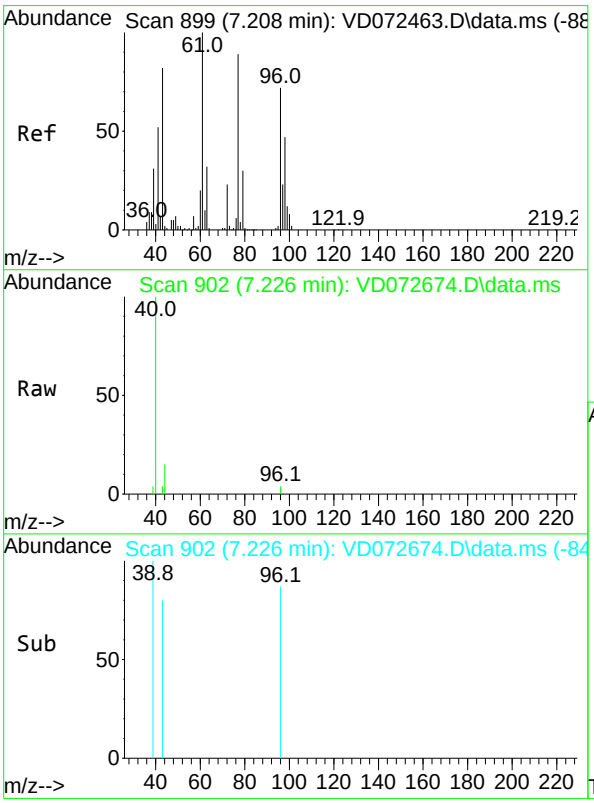
#23
Vinyl Acetate
Concen: 6.590 ug/l
RT: 6.350 min Scan# 7
Delta R.T. 0.047 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

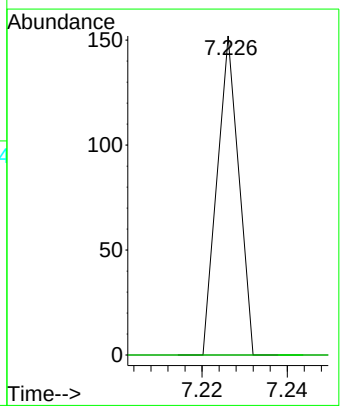


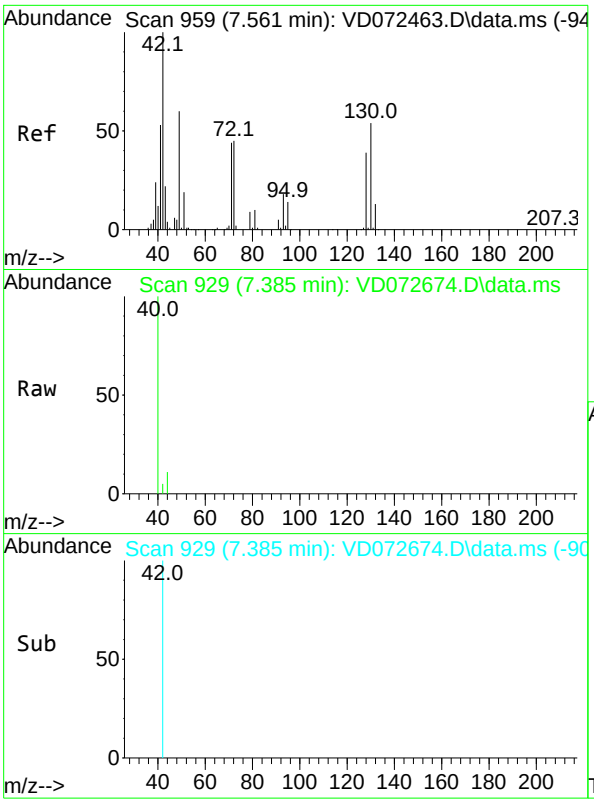


#25
2-Butanone
Concen: 1.619 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.018 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 43 Resp: 54

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



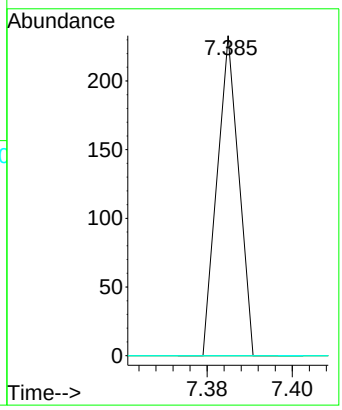


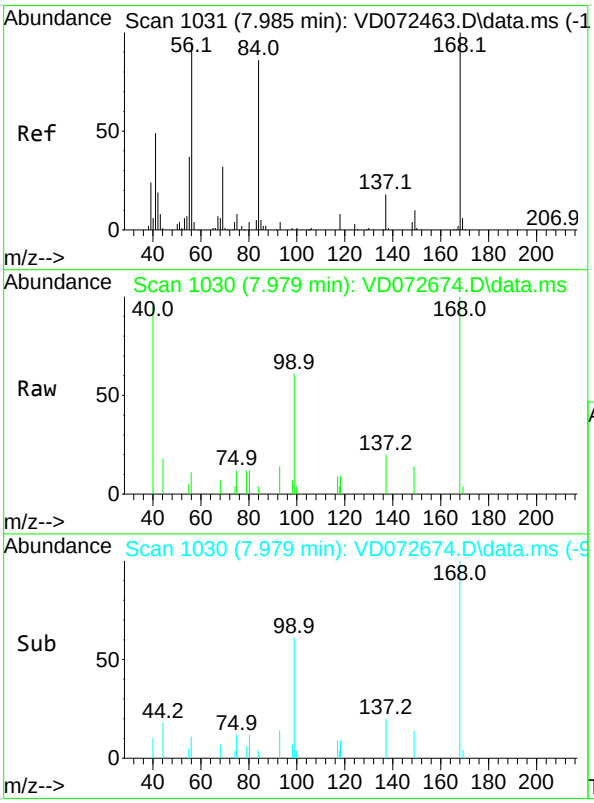
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 7.385 min Scan# 9
Delta R.T. -0.176 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 42 Resp: 82

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#

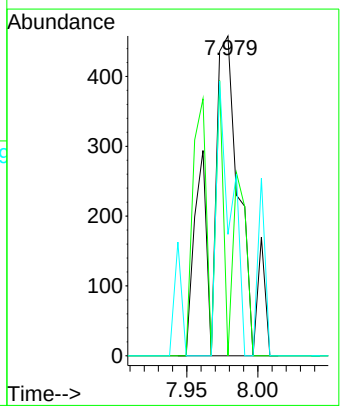


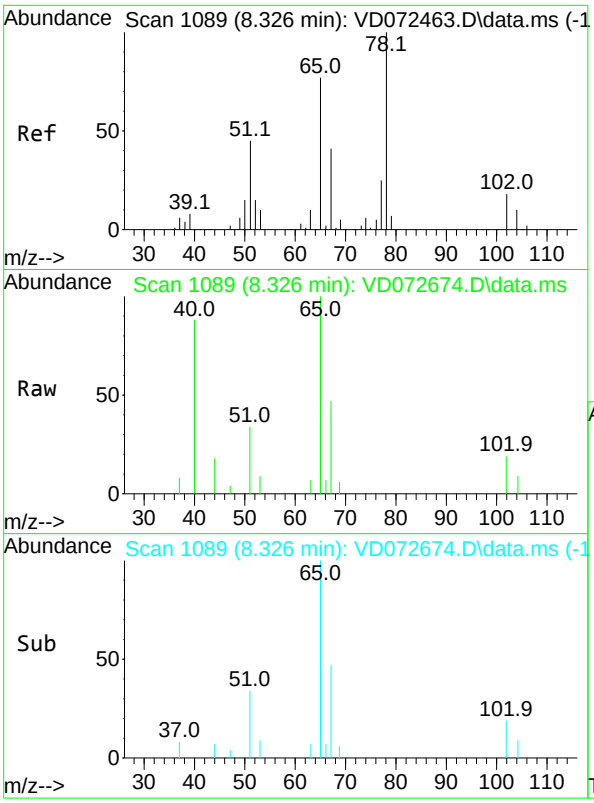


#31
Cyclohexane
Concen: 4.175 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 56 Resp: 706

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.4	38.2#
84	38.0	63.0	94.4#



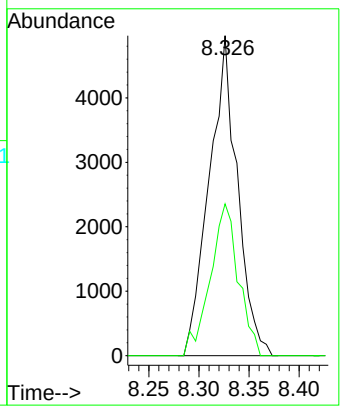


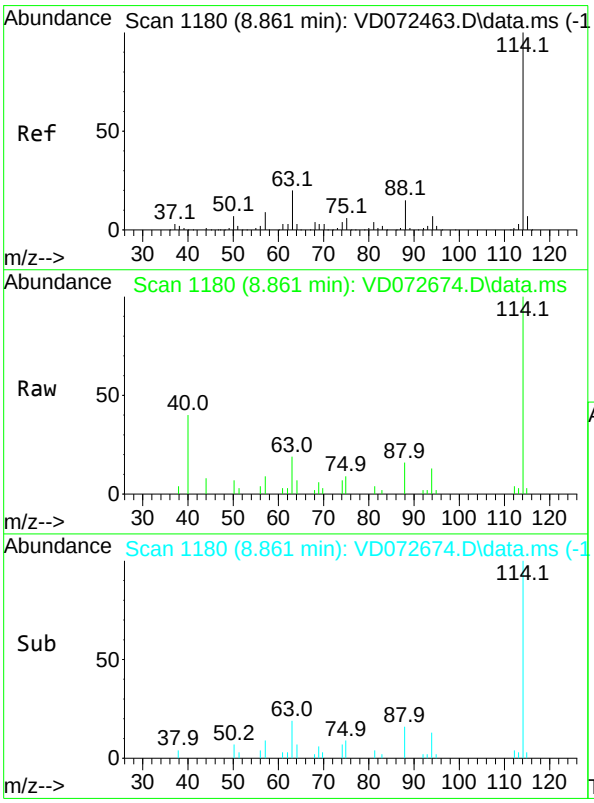
#33
1,2-Dichloroethane-d4
Concen: 75.104 ug/l
RT: 8.326 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 65 Resp: 9714

Ion	Ratio	Lower	Upper
65	100		
67	47.4	0.0	101.4

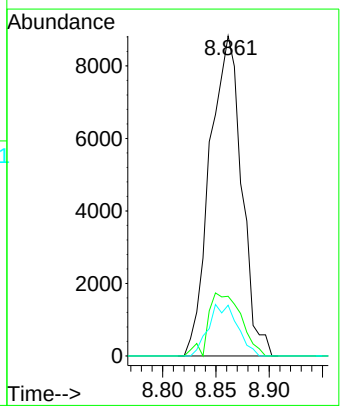


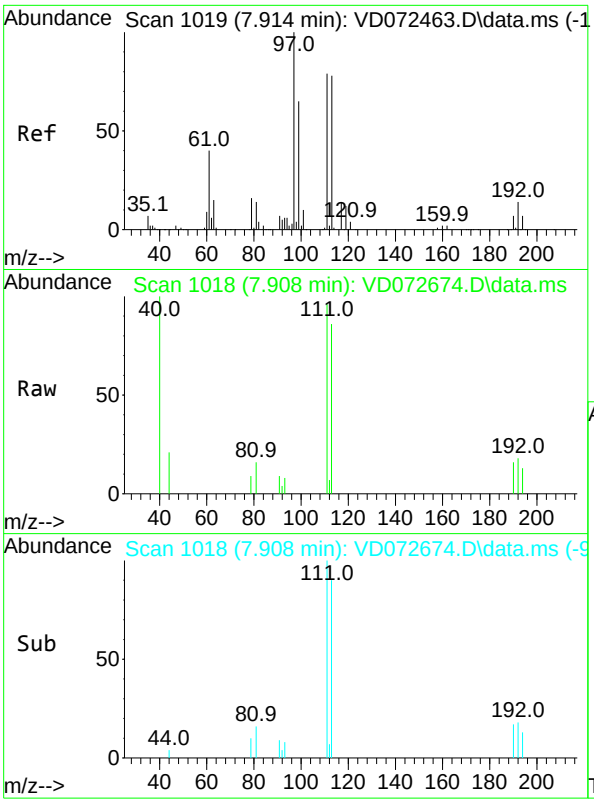


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion:114 Resp: 18352

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	46.6
88	15.8	0.0	33.2



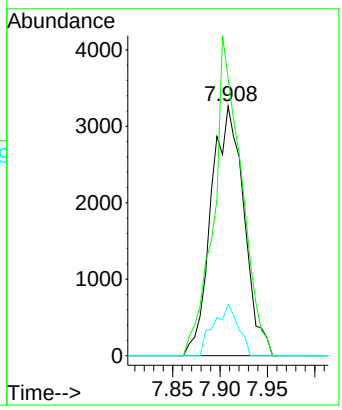


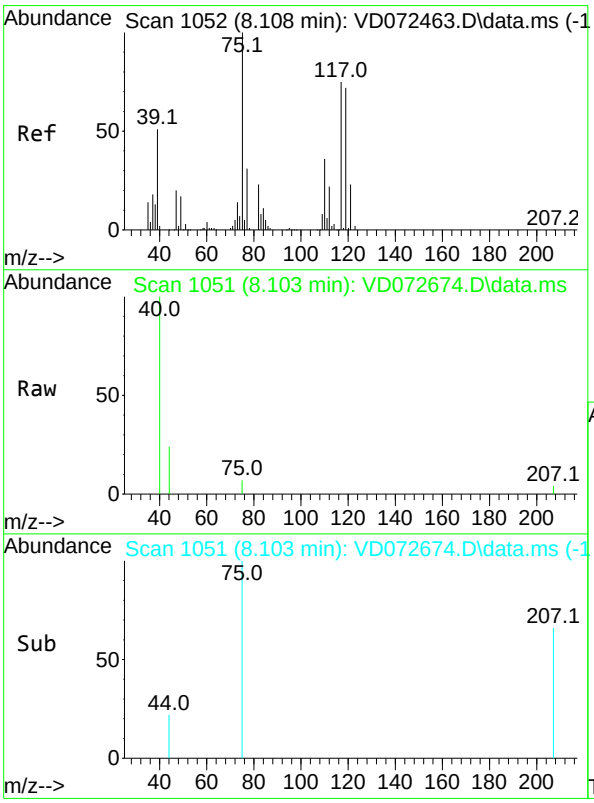
#35
Dibromofluoromethane
Concen: 54.943 ug/l
RT: 7.908 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:113 Resp: 7836

Ion	Ratio	Lower	Upper
113	100		
111	108.3	83.8	125.6
192	15.4	14.6	21.8

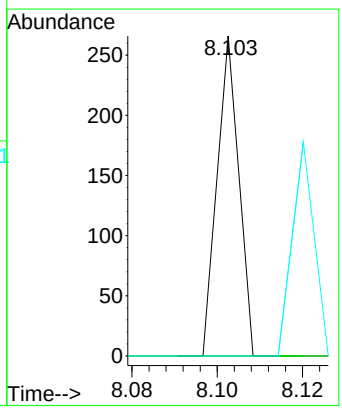


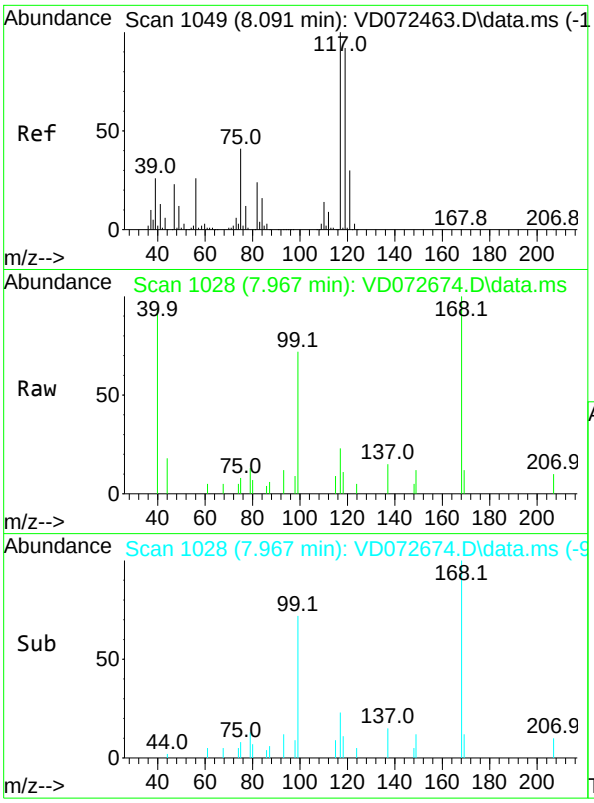


#36
1,1-Dichloropropene
Concen: 1.628 ug/l
RT: 8.103 min Scan# 1051
Delta R.T. -0.005 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 75 Resp: 94

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.4	49.1#
77	67.0	24.2	36.2#



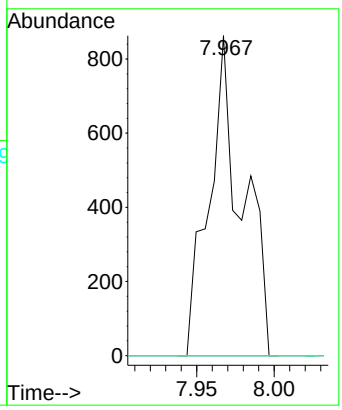


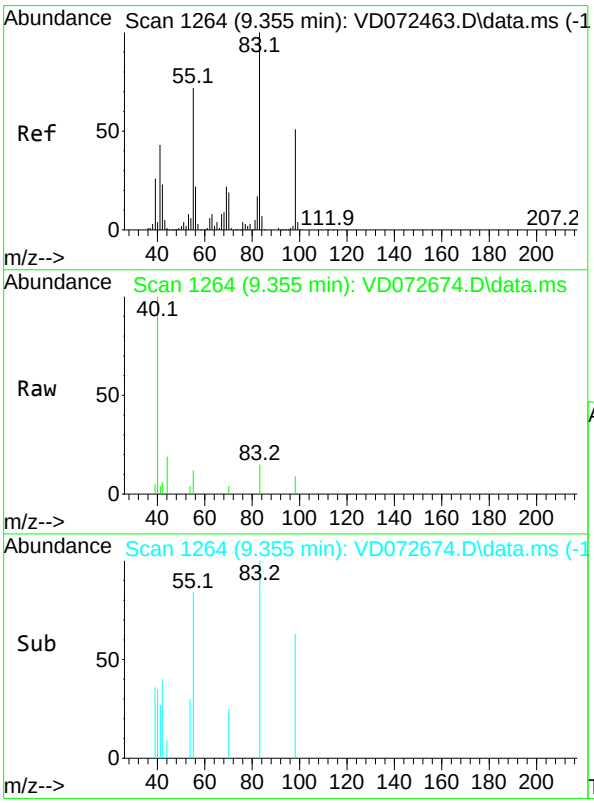
#38
Carbon Tetrachloride
Concen: 6.540 ug/l
RT: 7.967 min Scan# 1
Delta R.T. -0.124 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:117 Resp: 1285

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.5	36.7#

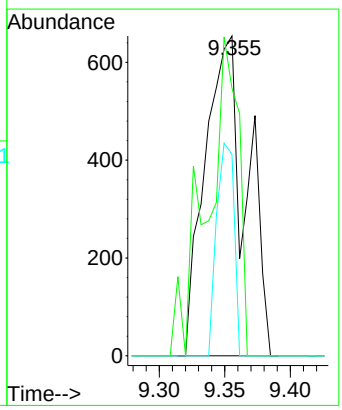


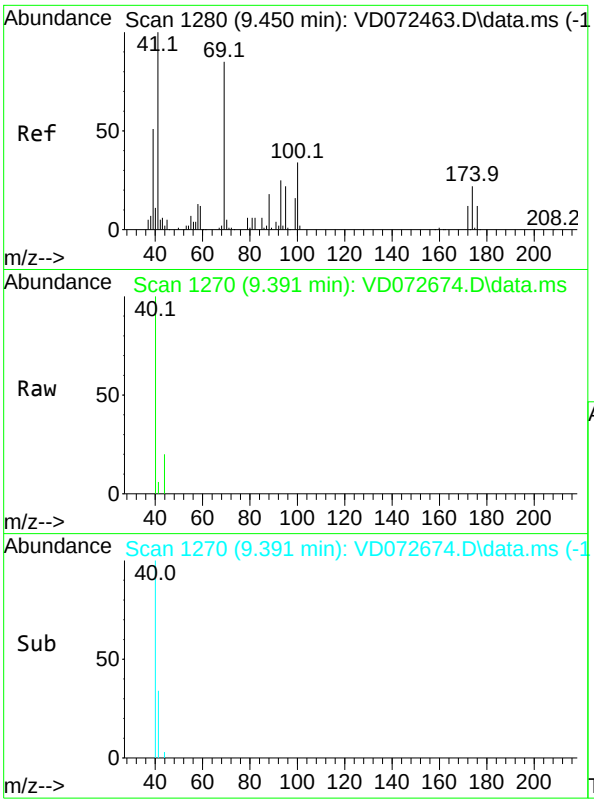


#39
Methylcyclohexane
Concen: 9.222 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 83 Resp: 1429

Ion	Ratio	Lower	Upper
83	100		
55	83.6	63.2	94.8
98	63.0	38.2	57.4#



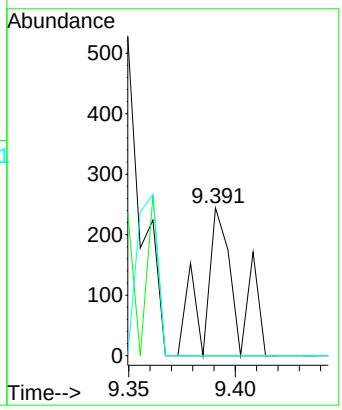


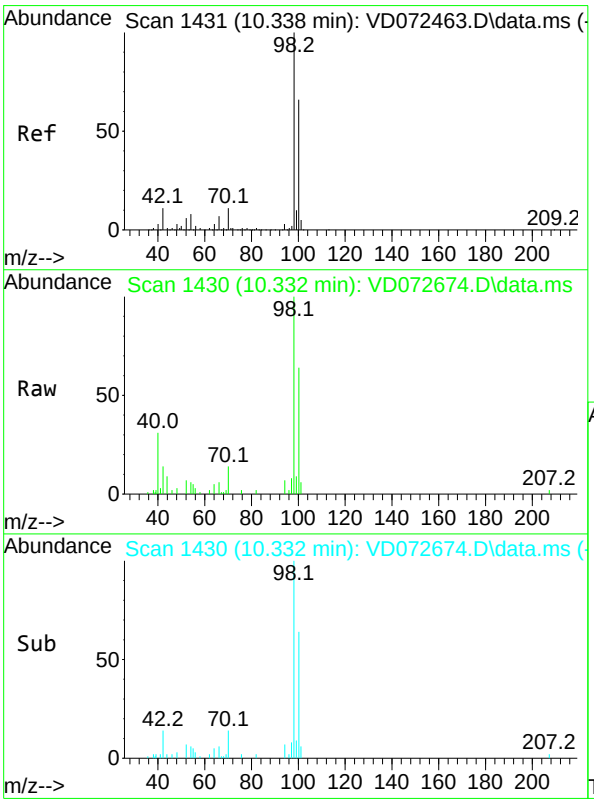
#48
Methyl methacrylate
Concen: 3.723 ug/l
RT: 9.391 min Scan# 1
Delta R.T. -0.059 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 41 Resp: 262

Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	42.7	64.1#

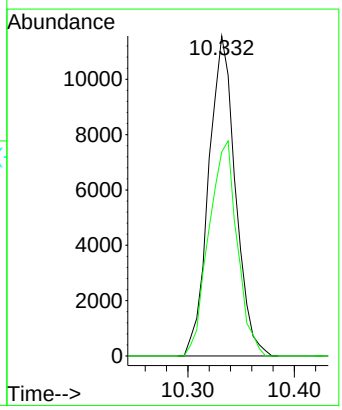


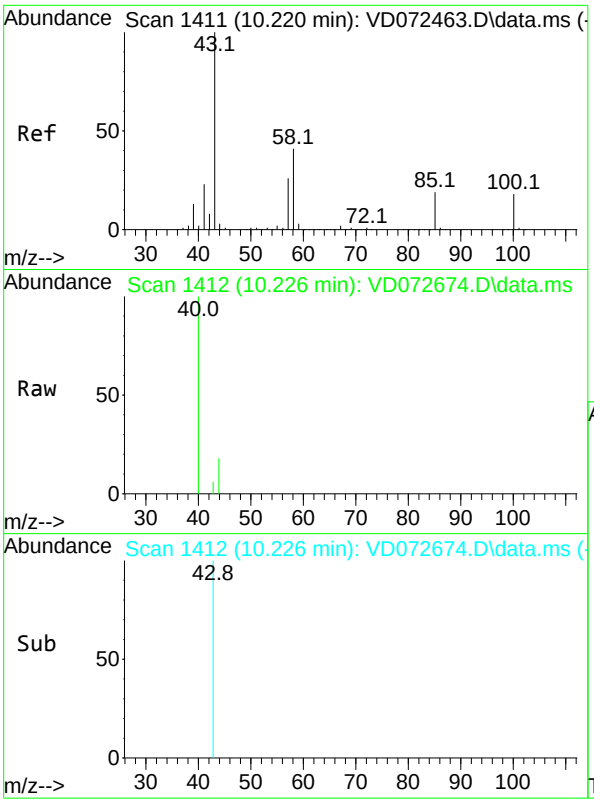


#50
Toluene-d8
Concen: 40.596 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 98 Resp: 20126

Ion	Ratio	Lower	Upper
98	100		
100	71.2	52.4	78.6



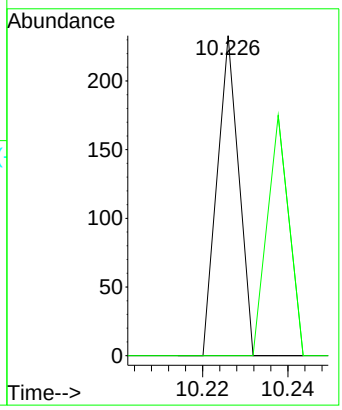


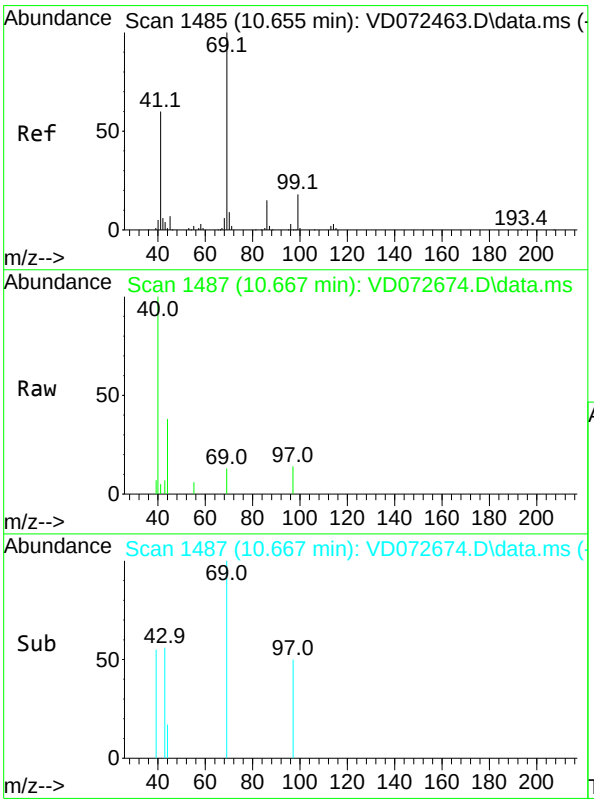
#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.226 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 43 Resp: 82

Ion	Ratio	Lower	Upper
43	100		
58	75.6	28.6	43.0#

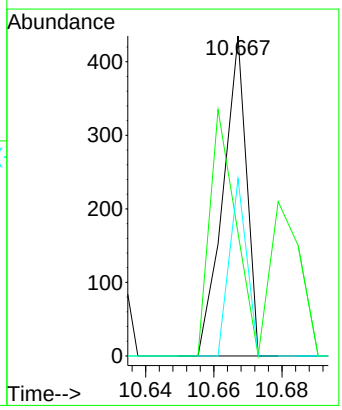


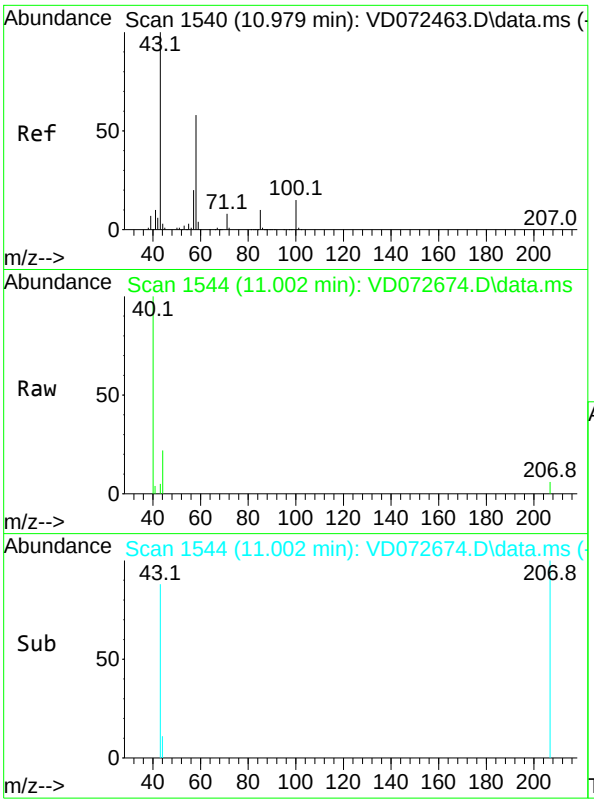


#56
Ethyl methacrylate
Concen: 2.682 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 69 Resp: 207

Ion	Ratio	Lower	Upper
69	100		
41	85.5	63.0	94.6
39	41.1	33.8	50.8



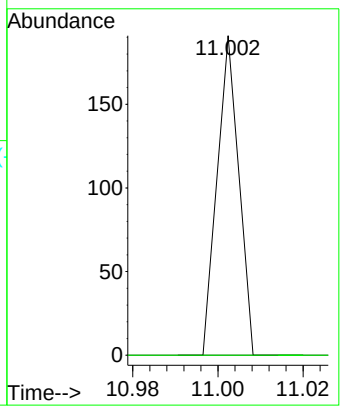


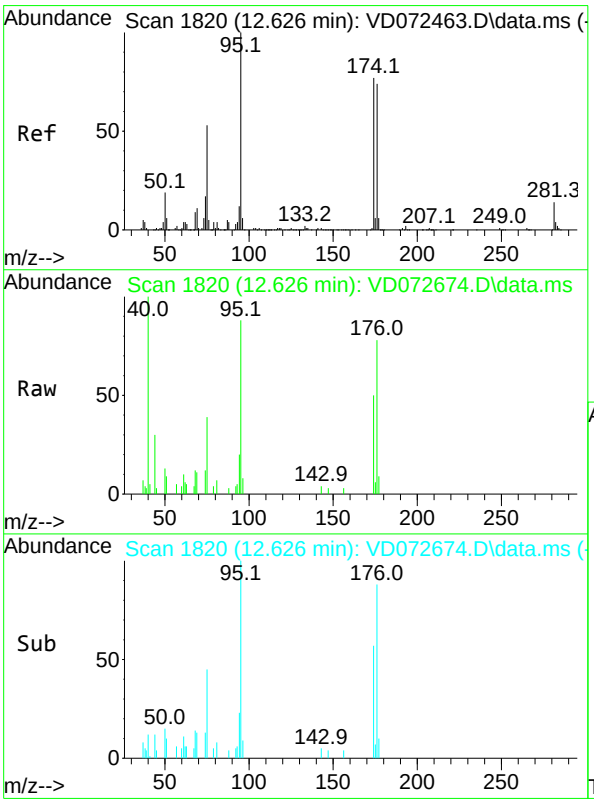
#59
2-Hexanone
Concen: 1.267 ug/l
RT: 11.002 min Scan# 1
Delta R.T. 0.024 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 43 Resp: 67

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.3	75.9#

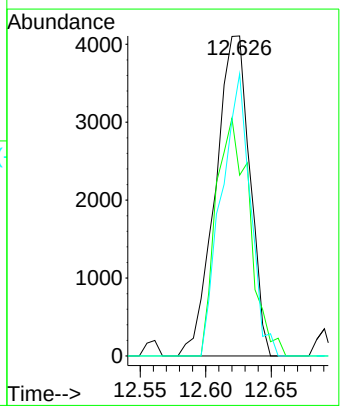


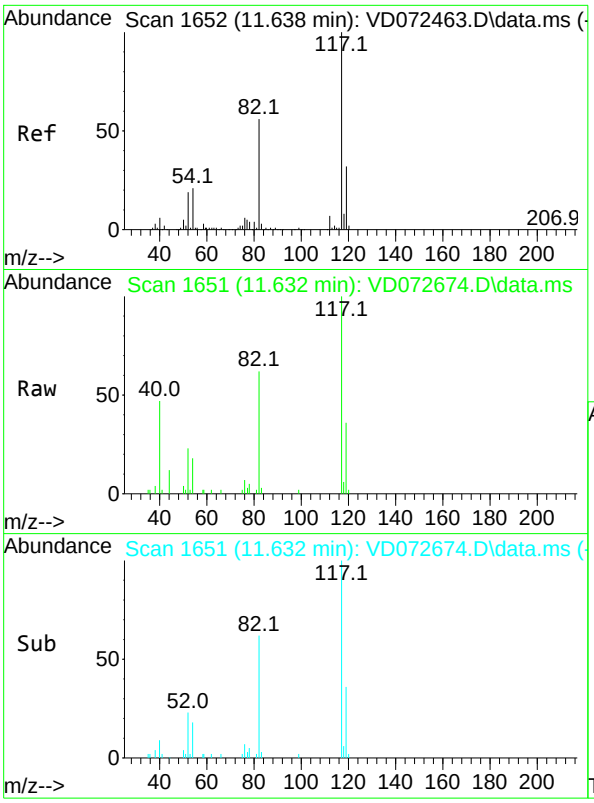


#62
4-Bromofluorobenzene
Concen: 38.752 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 95 Resp: 7503

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	152.8
176	73.9	0.0	145.4



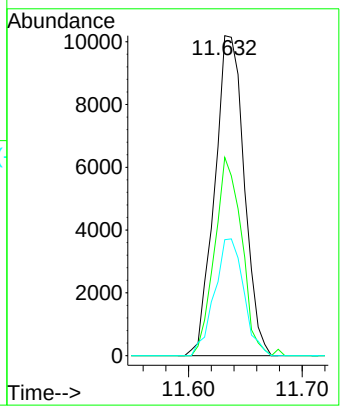


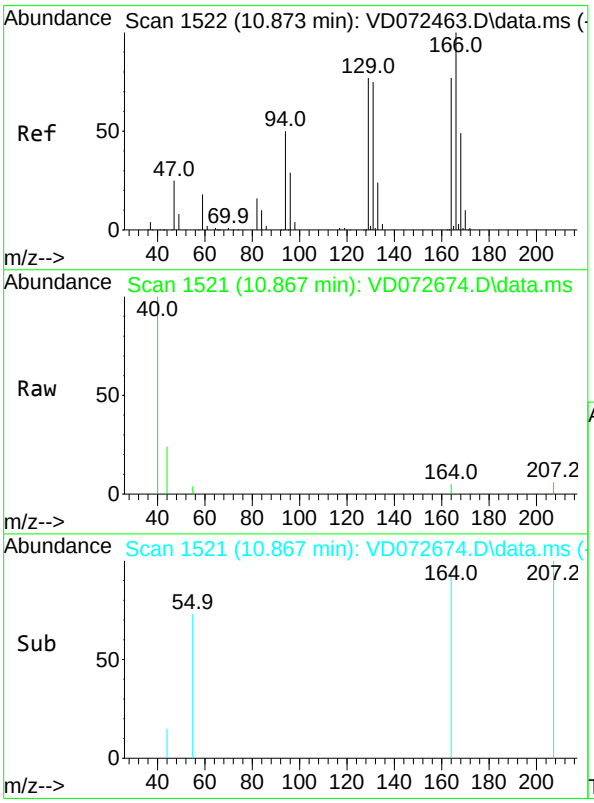
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:117 Resp: 18419

Ion	Ratio	Lower	Upper
117	100		
82	61.9	45.3	67.9
119	36.2	26.6	40.0

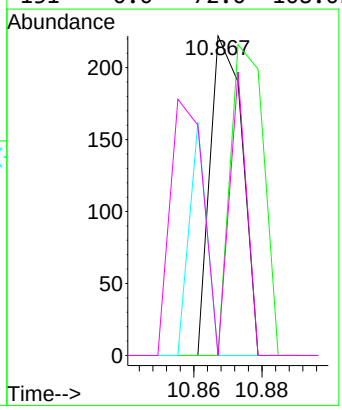


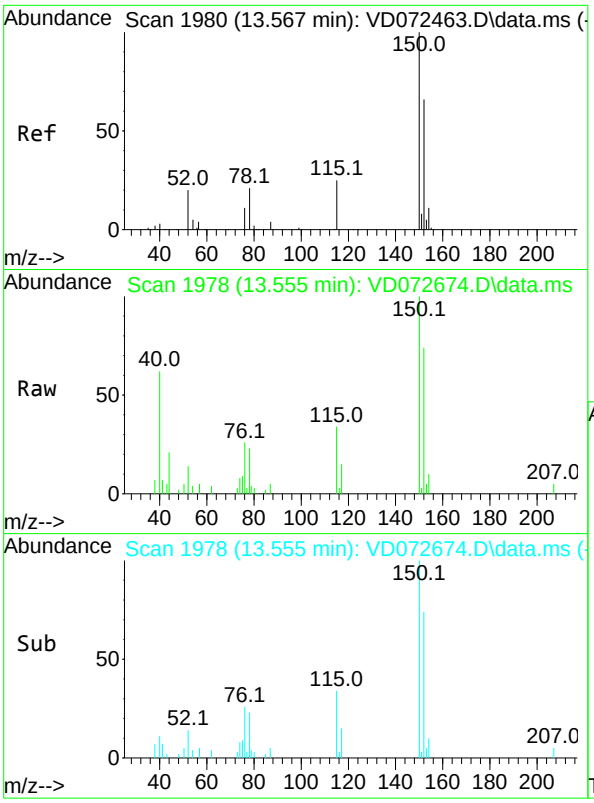


#64
Tetrachloroethene
Concen: 1.205 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion:164 Resp: 145

Ion	Ratio	Lower	Upper
164	100		
166	0.0	98.5	147.7#
129	0.0	74.6	111.8#
131	0.0	72.0	108.0#



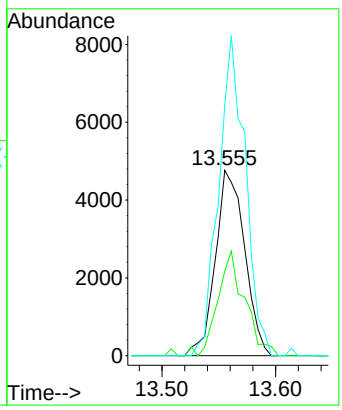


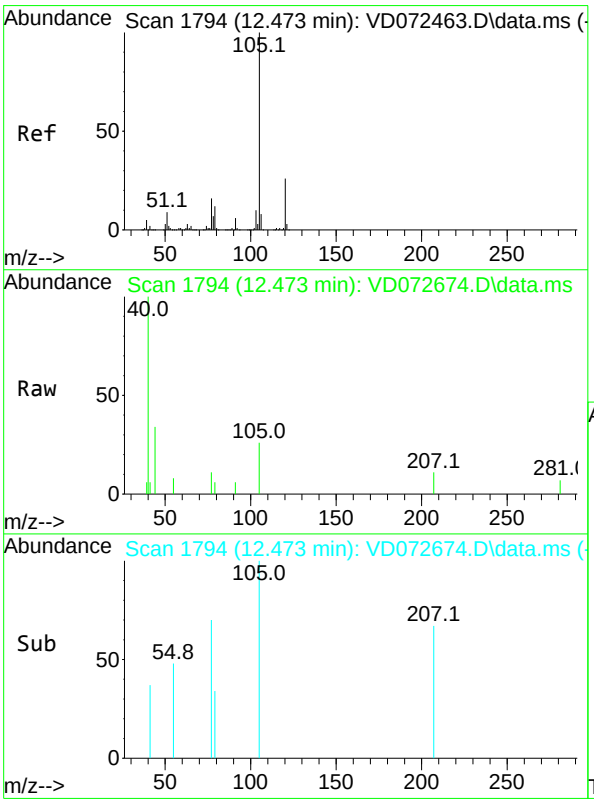
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:152 Resp: 8522

Ion	Ratio	Lower	Upper
152	100		
115	52.2	31.3	93.8
150	157.5	0.0	348.6

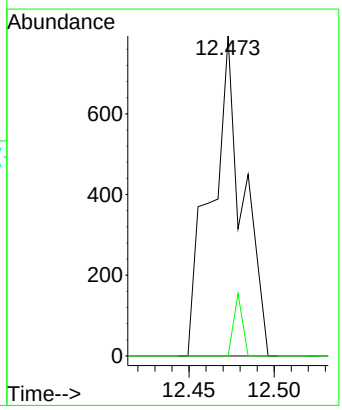


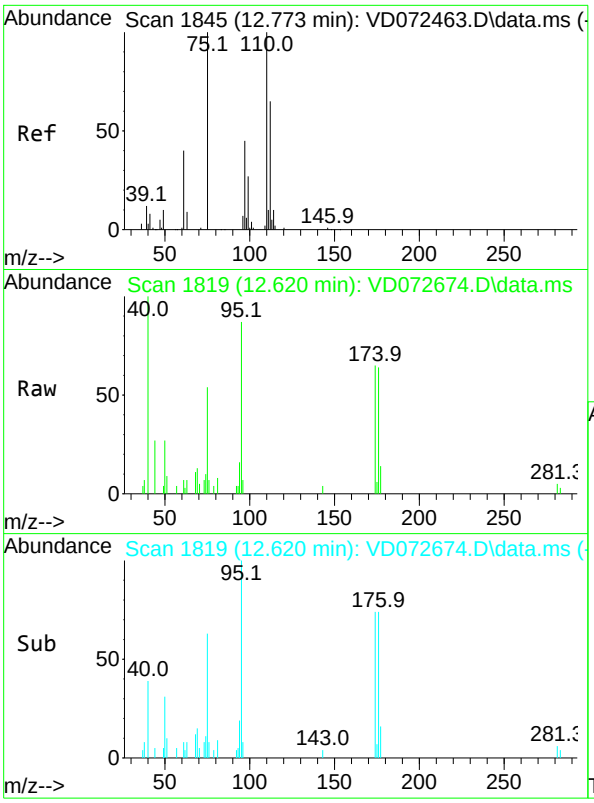


#73
Isopropylbenzene
Concen: 1.497 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion:105 Resp: 1030

Ion	Ratio	Lower	Upper
105	100		
120	5.3	13.0	38.9#



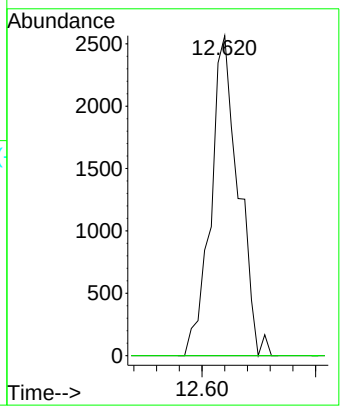


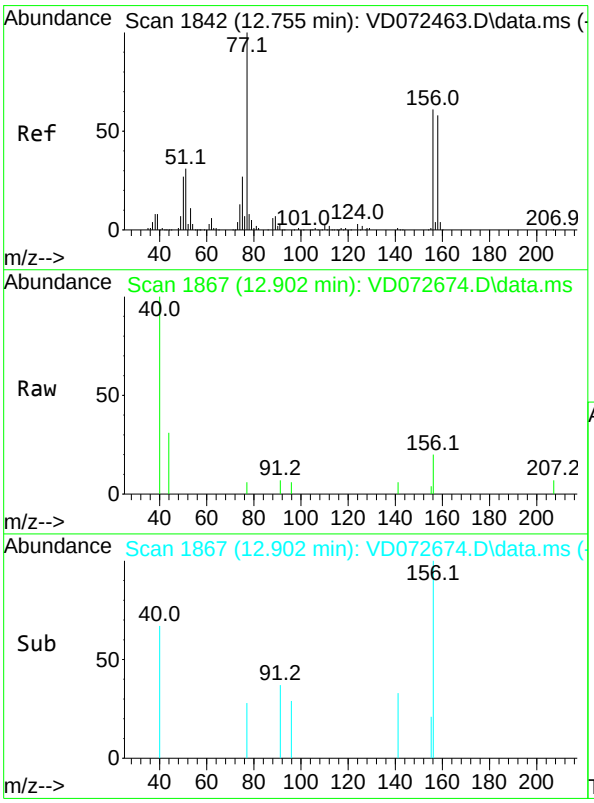
#76
1,2,3-Trichloropropane
Concen: 46.532 ug/l
RT: 12.620 min Scan# 1
Delta R.T. -0.153 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 75 Resp: 4325

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

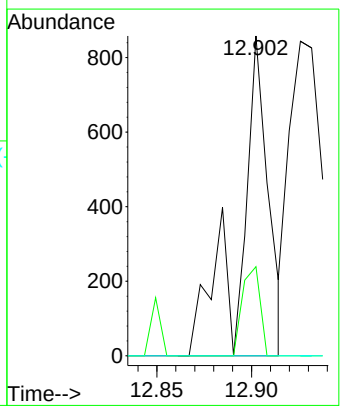


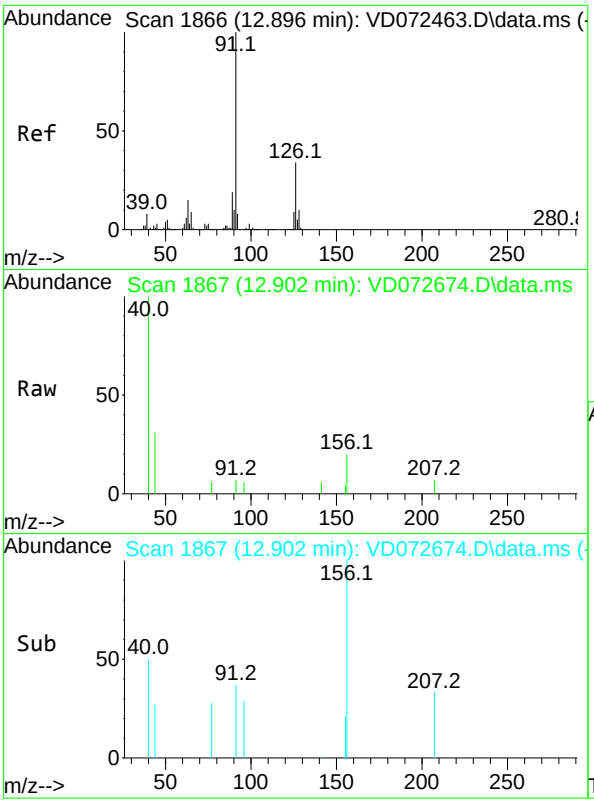


#77
Bromobenzene
Concen: 5.918 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.147 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion:156 Resp: 913

Ion	Ratio	Lower	Upper
156	100		
77	17.1	102.8	308.3#
158	0.0	48.7	146.1#



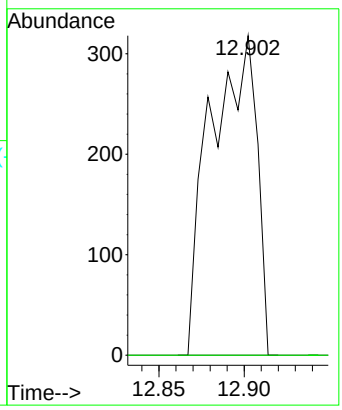


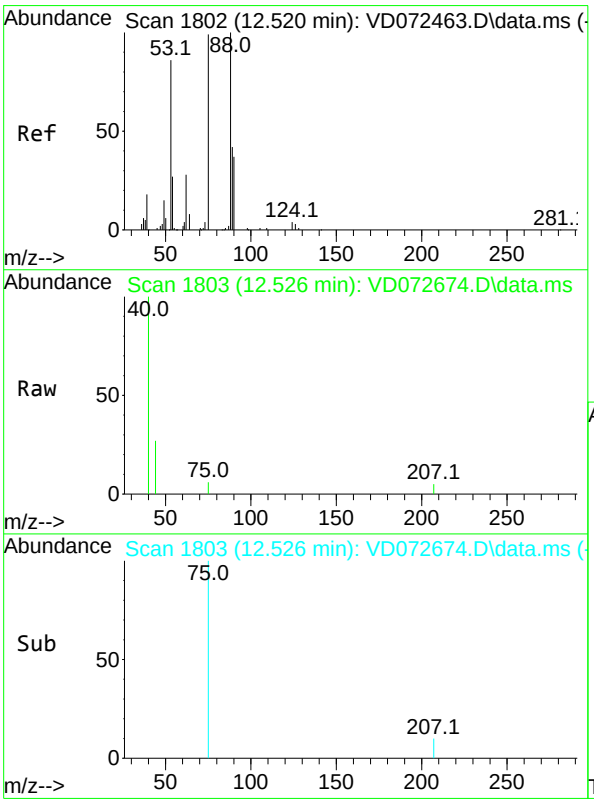
#79
2-Chlorotoluene
Concen: 1.230 ug/l
RT: 12.902 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion: 91 Resp: 597

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.2	48.6#

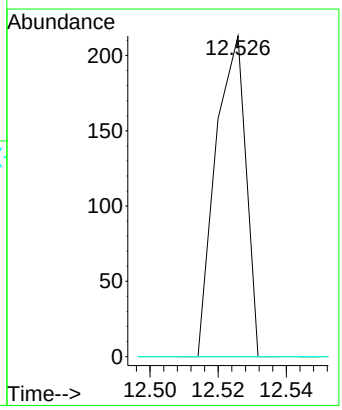


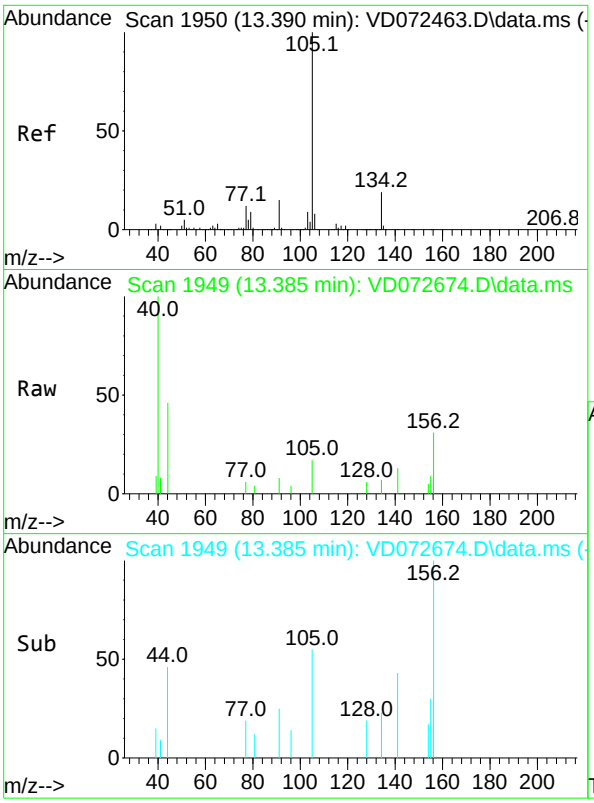


#81
trans-1,4-Dichloro-2-butene
Concen: 3.458 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 75 Resp: 131

Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.5	129.7#
89	0.0	33.9	50.9#



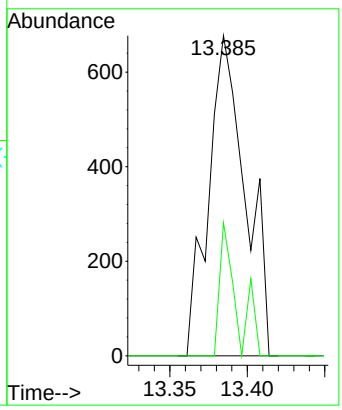


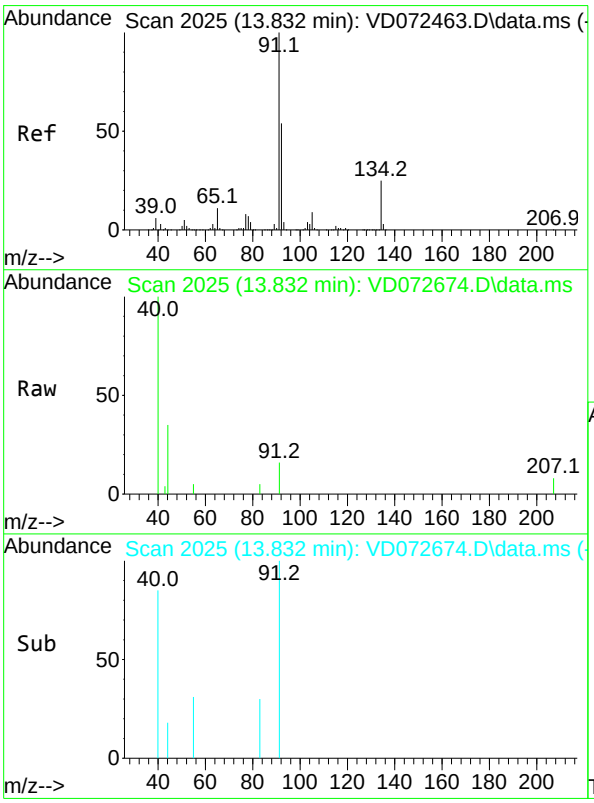
#85
sec-Butylbenzene
Concen: 1.461 ug/l
RT: 13.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:105 Resp: 1123

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.8	29.3

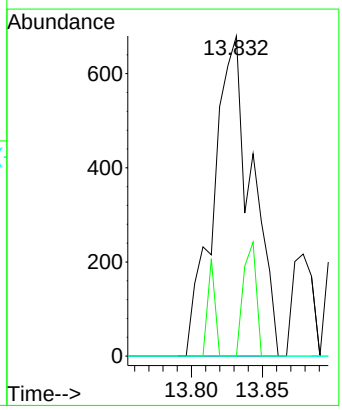


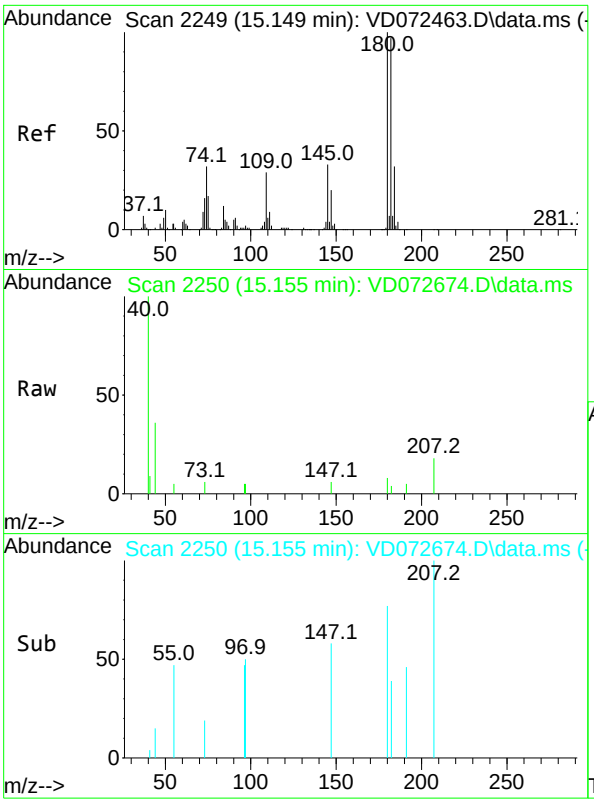


#89
n-Butylbenzene
Concen: 2.139 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion: 91 Resp: 1280

Ion	Ratio	Lower	Upper
91	100		
92	12.0	26.6	79.8#
134	0.0	12.3	36.9#



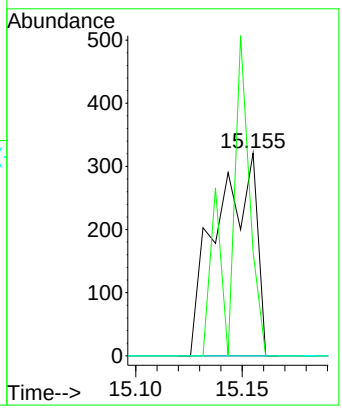


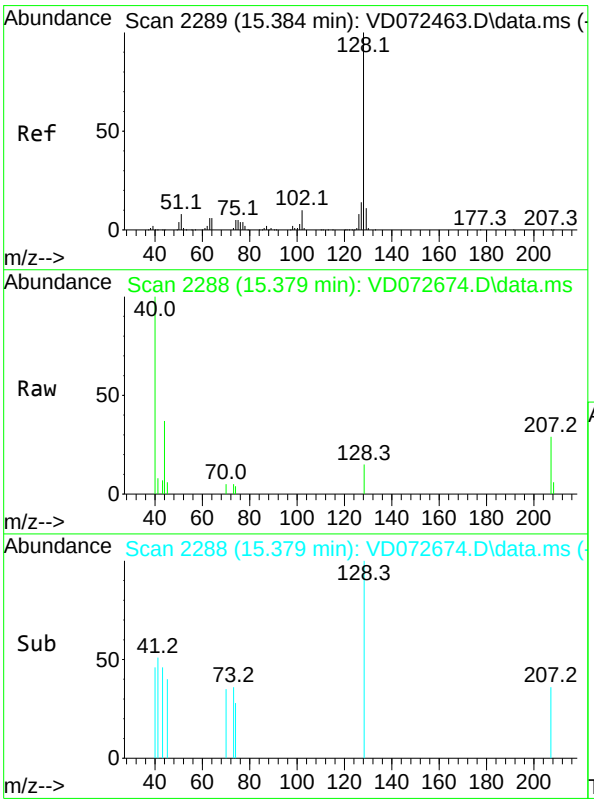
#93
1,2,4-Trichlorobenzene
Concen: 2.409 ug/l
RT: 15.155 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:180 Resp: 421

Ion	Ratio	Lower	Upper
180	100		
182	78.6	47.3	142.0
145	0.0	16.2	48.5#

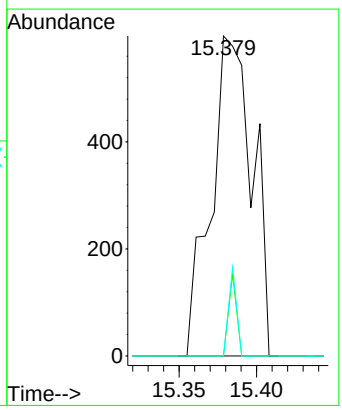


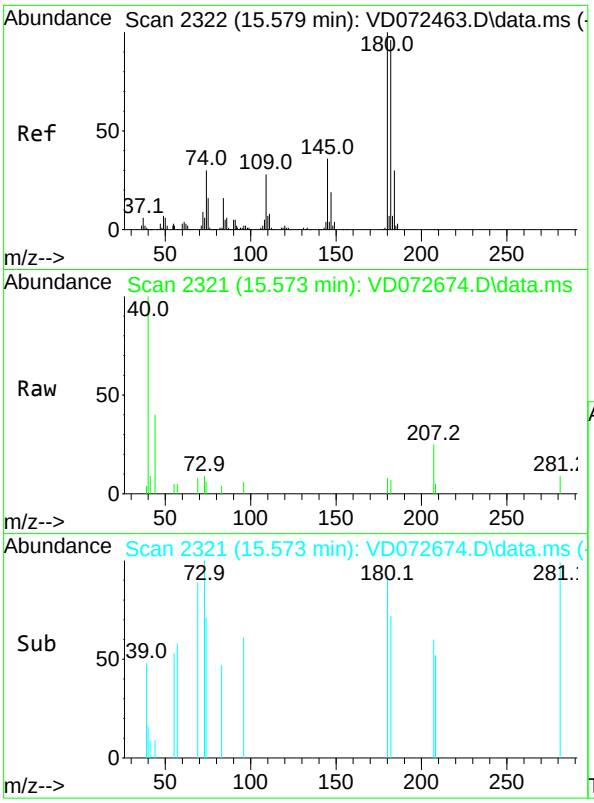


#95
Naphthalene
Concen: 3.269 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Tgt Ion:128 Resp: 1110

Ion	Ratio	Lower	Upper
128	100		
127	4.9	10.3	15.5#
129	5.3	8.4	12.6#





#96
1,2,3-Trichlorobenzene
Concen: 2.170 ug/l
RT: 15.573 min Scan# 2
Delta R.T. -0.006 min
Lab File: VD072674.D
Acq: 21 Apr 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
MH-1S

Tgt Ion:180 Resp: 331

Ion	Ratio	Lower	Upper
180	100		
182	180.4	47.6	142.9#
145	24.8	17.1	51.3