Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
Data File : VY011216.D
Acq On : 01 Nov 2022 11:57
Operator : KP/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Nov 01 13:15:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 01 11:56:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	252037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	418424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	372858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	172702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133506	49.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.060%			
35) Dibromofluoromethane	7.716	113	136273	50.690	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.380%			
50) Toluene-d8	10.179	98	506324	48.509	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.477	95	172596	47.631	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	1002	Below Cal		98
11) Tert butyl alcohol	4.924	59	6392	Below Cal	#	77
13) Acrolein	3.717	56	113	Below Cal	#	64
15) Acrylonitrile	5.161	53	1142	1.375	ug/l #	89
16) Acetone	3.948	43	2014	2.475	ug/l #	82
20) Methylene Chloride	4.716	84	21228	1.502	ug/l #	76
25) 2-Butanone	6.978	43	3932	3.434	ug/l	98
29) Tetrahydrofuran	7.338	42	715	1.073	ug/l	94
31) Cyclohexane	7.783	56	6571	1.315	ug/l #	1
49) 1,4-Dioxane	9.289	88	49	2.021	ug/l #	20
68) m/p-Xylenes	11.703	106	5669	1.001	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	85594	40.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85594	87.126	ug/l #	7
87) 1,3-Dichlorobenzene	13.361	146	6963	1.143	ug/l	98
88) 1,4-Dichlorobenzene	13.361	146	6963	1.140	ug/l	99
89) n-Butylbenzene	13.690	91	10906	1.004	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	5629	1.035	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	6223	1.893	ug/l	99
94) Hexachlorobutadiene	15.111	225	2547	1.330	ug/l	97
95) Naphthalene	15.233	128	12400	5.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5794	2.005	ug/l	98

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

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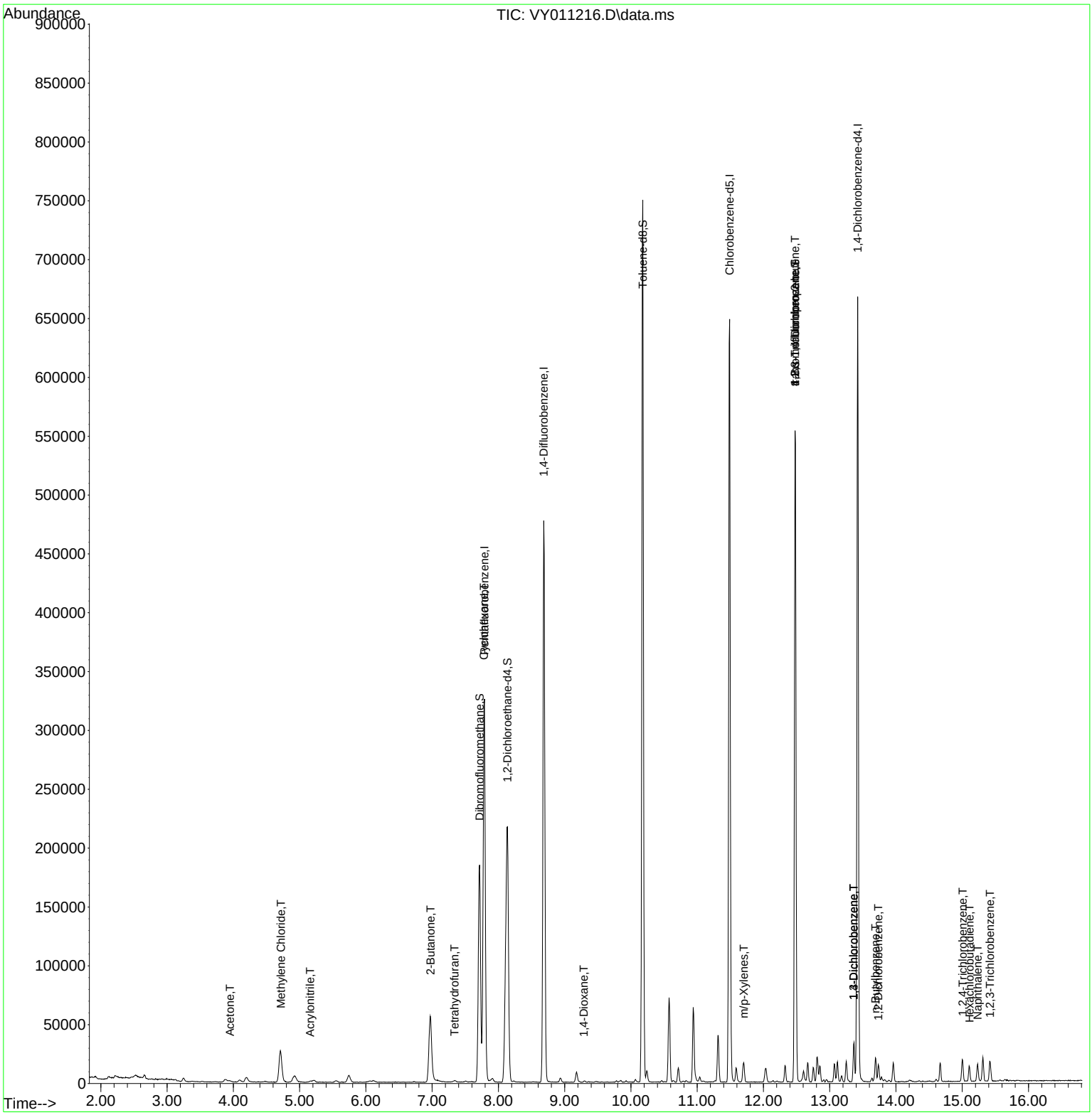
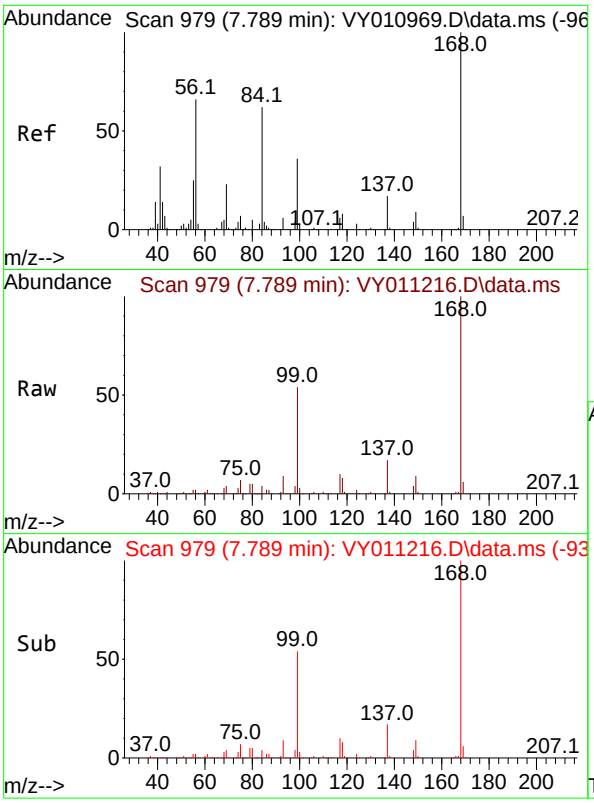


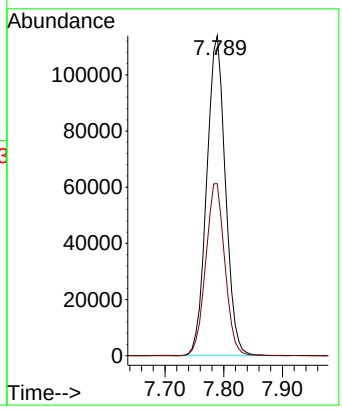


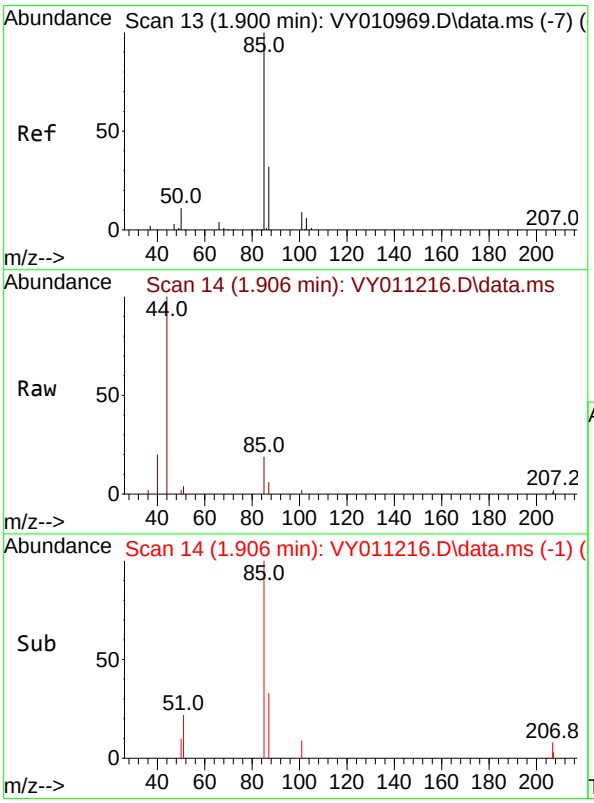
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 252037

Ion	Ratio	Lower	Upper
168	100		
99	53.7	46.9	70.3

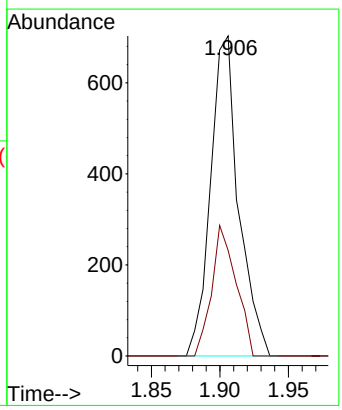


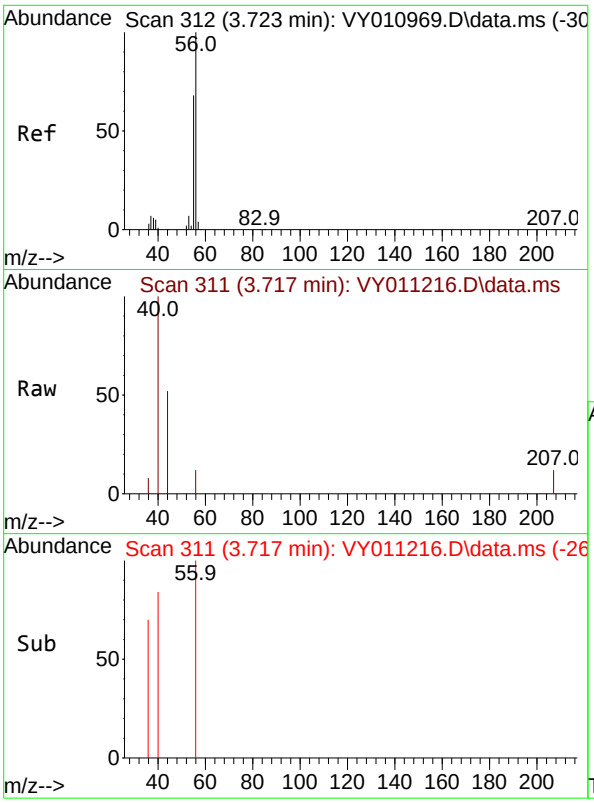


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 85 Resp: 1002

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.2



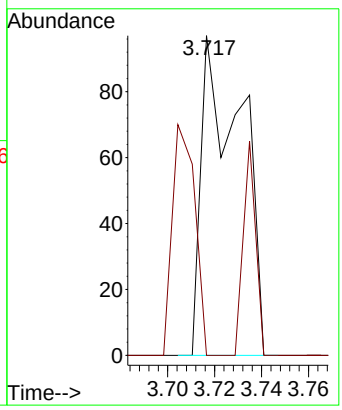


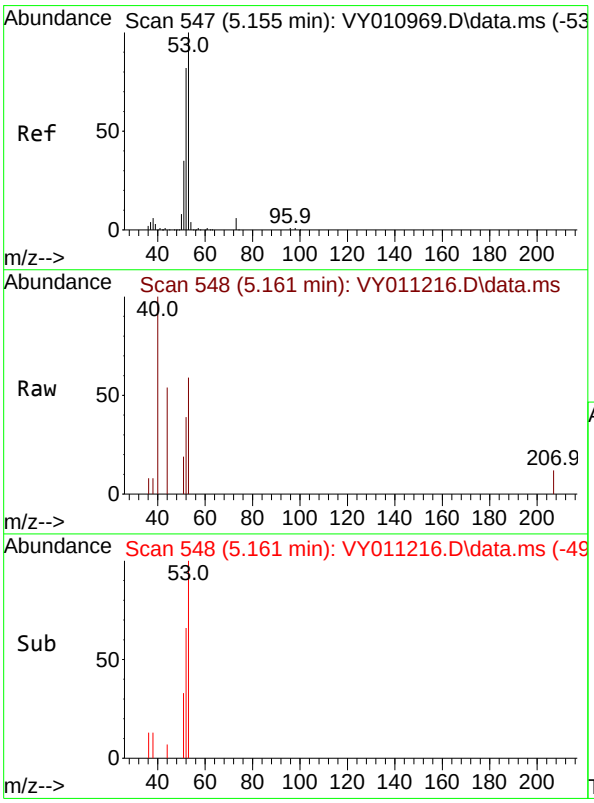
#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 113

Ion	Ratio	Lower	Upper
56	100		
55	41.6	57.6	86.4#

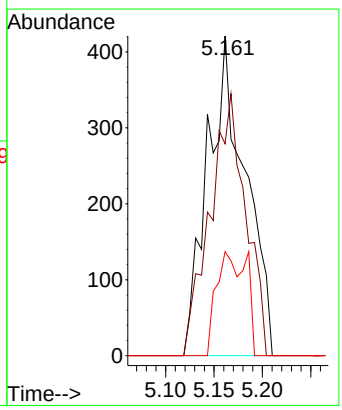


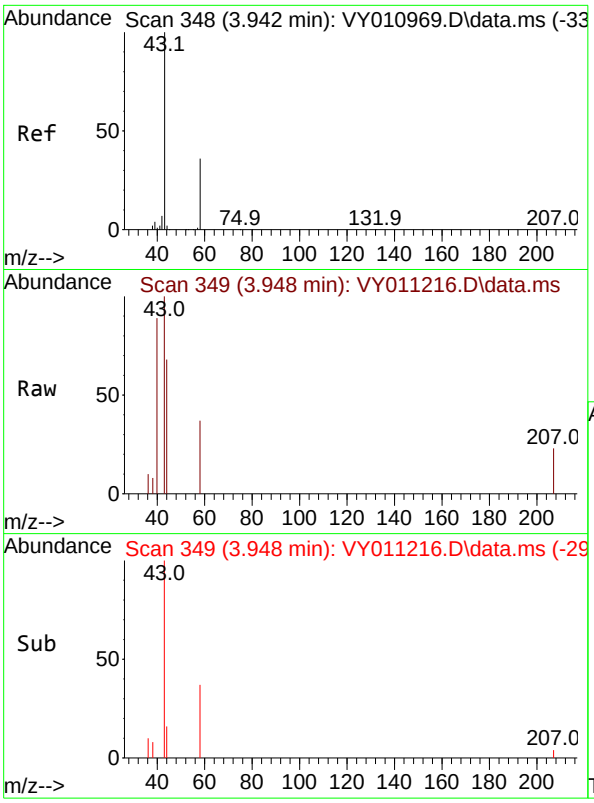


#15
Acrylonitrile
Concen: 1.375 ug/l
RT: 5.161 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 53 Resp: 1142

Ion	Ratio	Lower	Upper
53	100		
52	77.5	67.0	100.4
51	25.6	29.8	44.6#



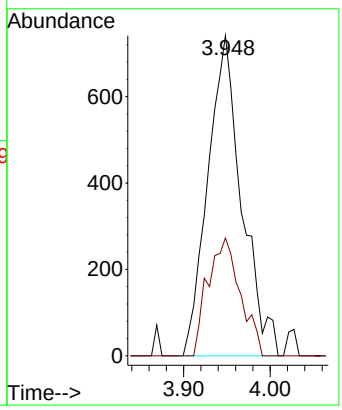


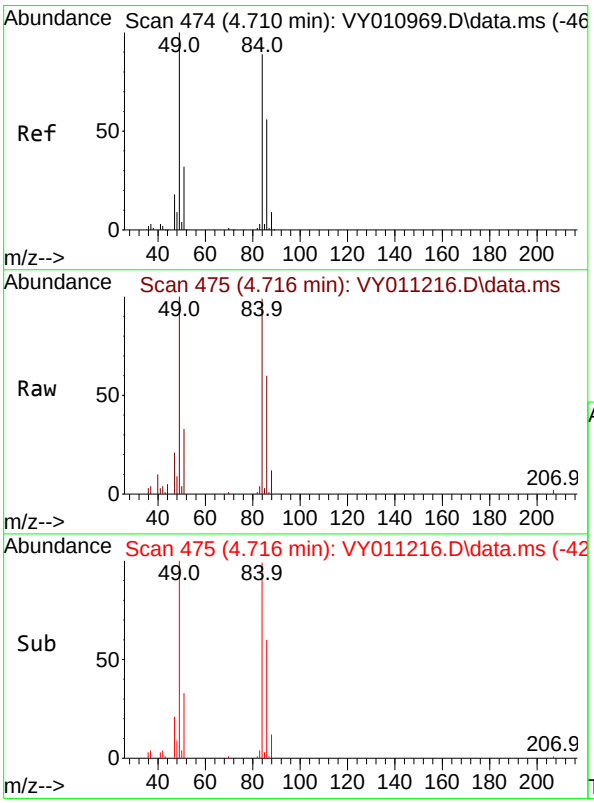
#16
Acetone
Concen: 2.475 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 2014

Ion	Ratio	Lower	Upper
43	100		
58	36.8	22.0	33.0#

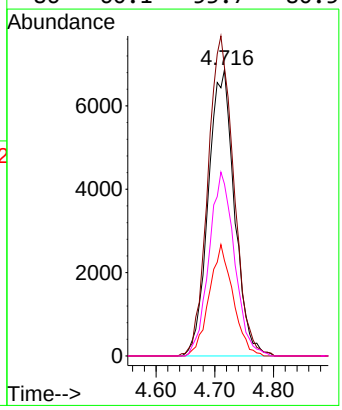


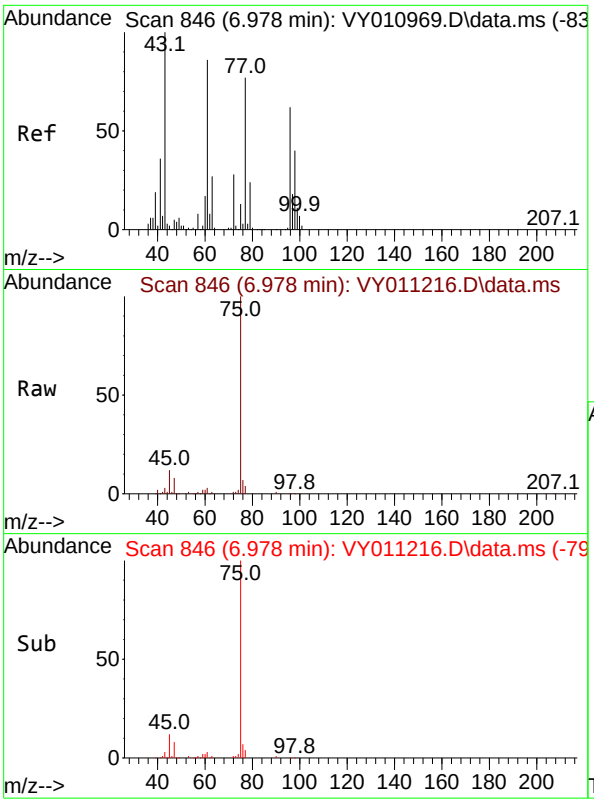


#20
Methylene Chloride
Concen: 1.502 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 84 Resp: 21228

Ion	Ratio	Lower	Upper
84	100		
49	100.9	114.4	171.6#
51	33.4	35.3	52.9#
86	60.1	53.7	80.5



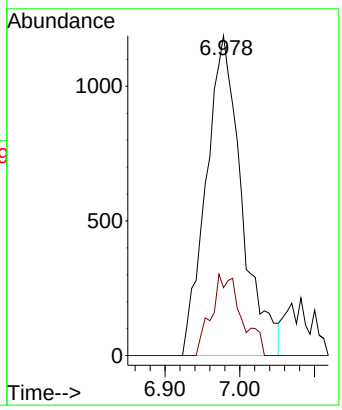


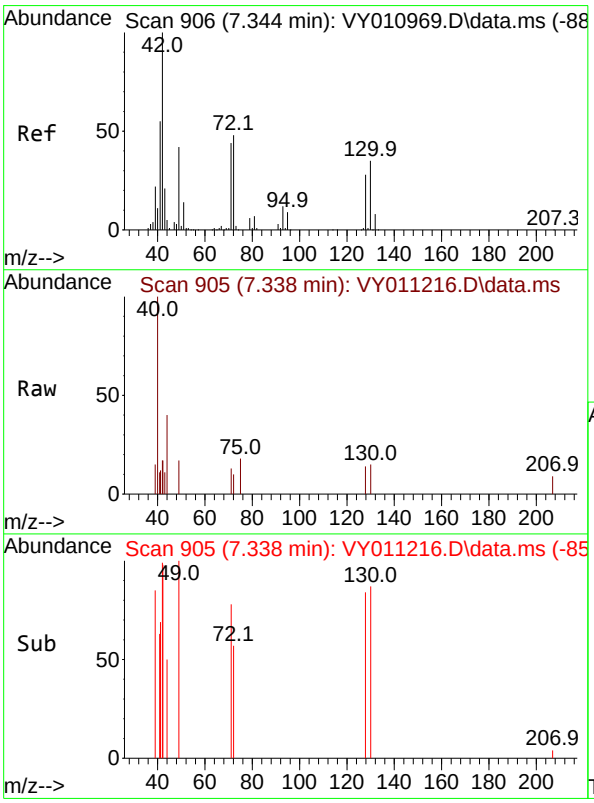
#25
2-Butanone
Concen: 3.434 ug/l
RT: 6.978 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 3932

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.7	26.5

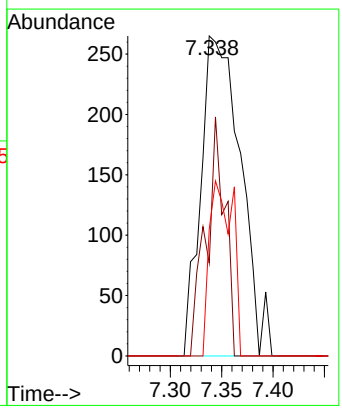


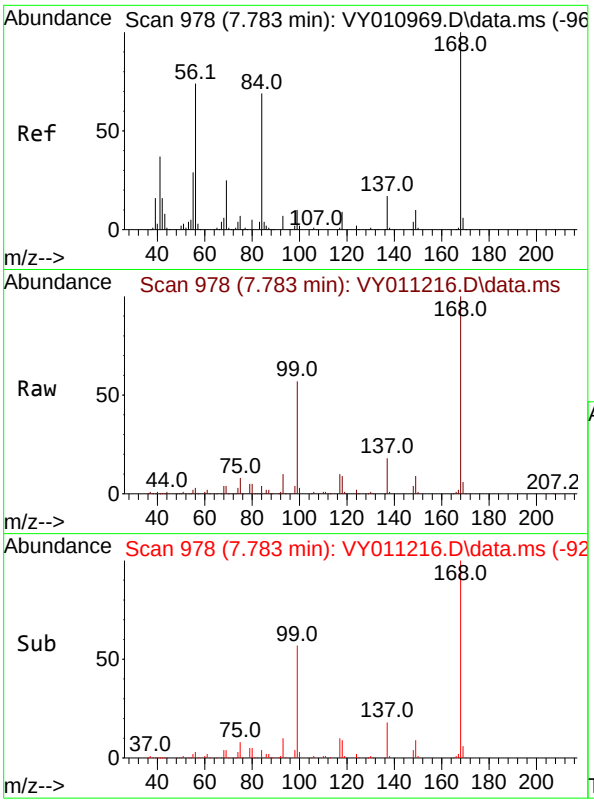


#29
Tetrahydrofuran
Concen: 1.073 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 42 Resp: 715

Ion	Ratio	Lower	Upper
42	100		
72	35.7	30.3	45.5
71	31.6	29.0	43.4



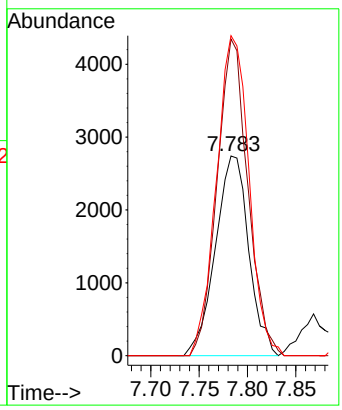


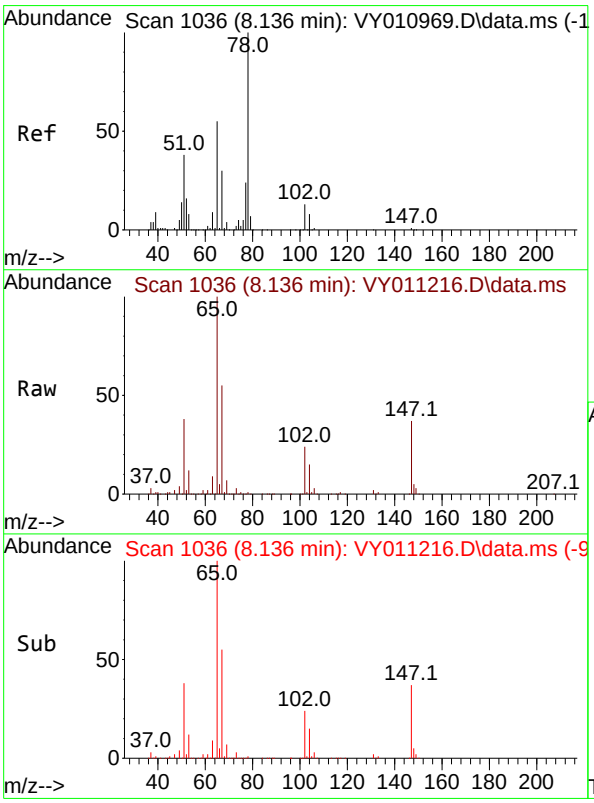
#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 6571

Ion	Ratio	Lower	Upper
56	100		
69	158.6	26.7	40.1#
84	160.3	67.2	100.8#

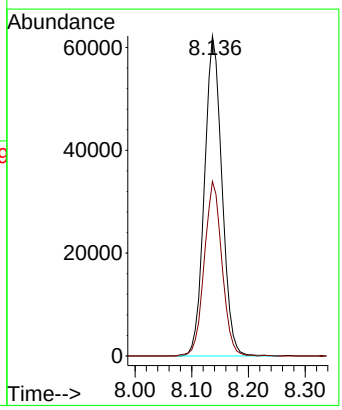


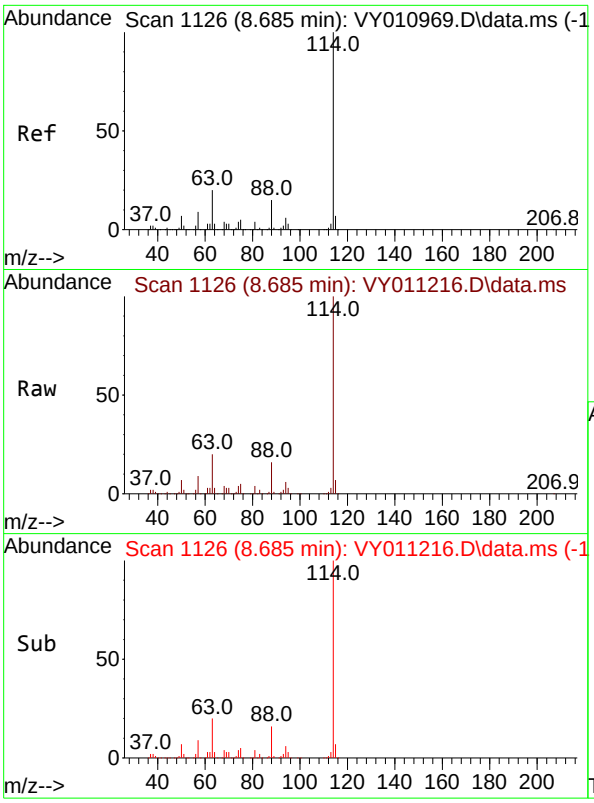


#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 65 Resp: 133506

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	99.4



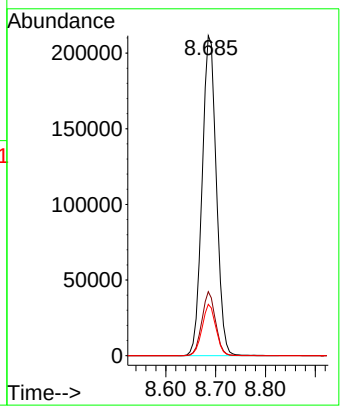


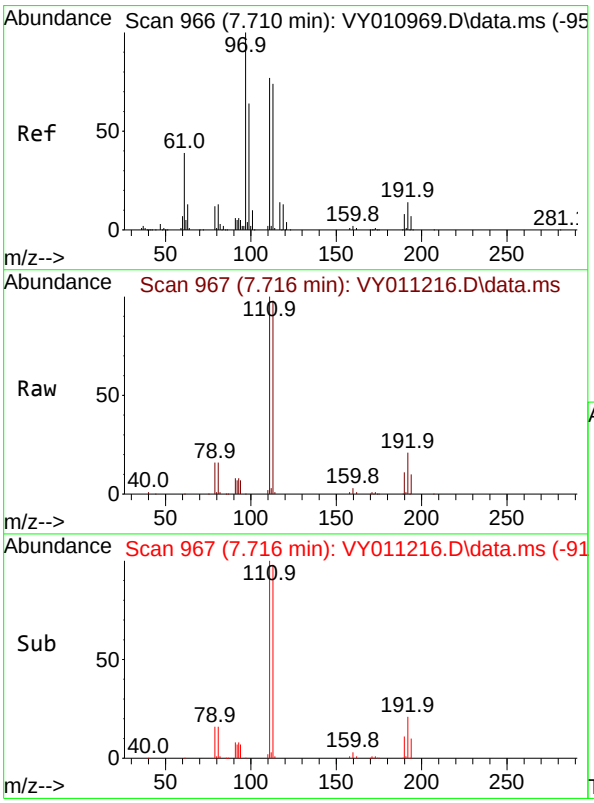
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 418424

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.2
88	16.0	0.0	31.8

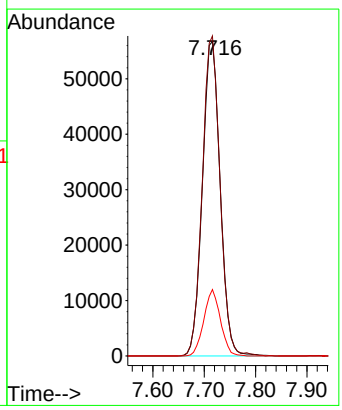


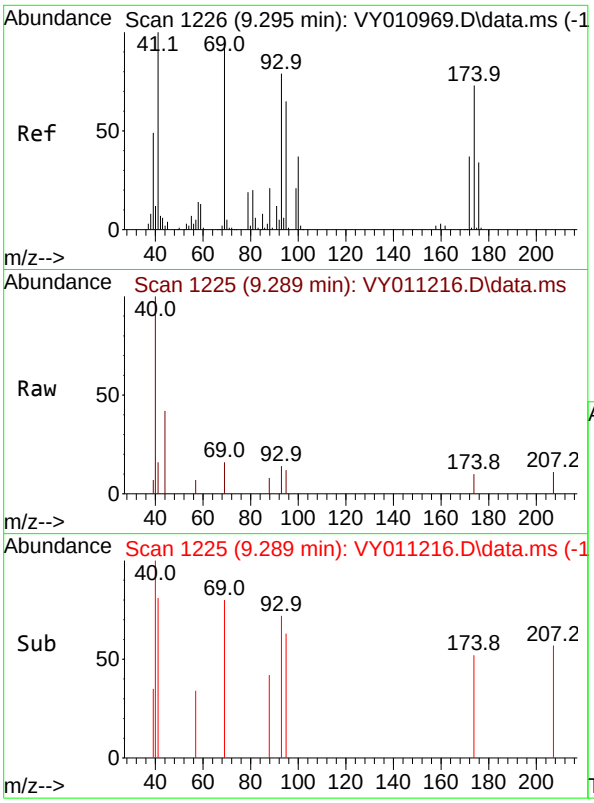


#35
Dibromofluoromethane
Concen: 50.690 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:113 Resp: 136273

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	124.0
192	19.8	17.6	26.4



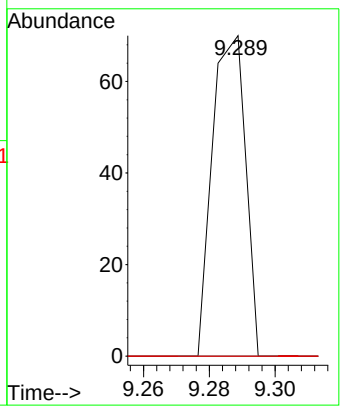


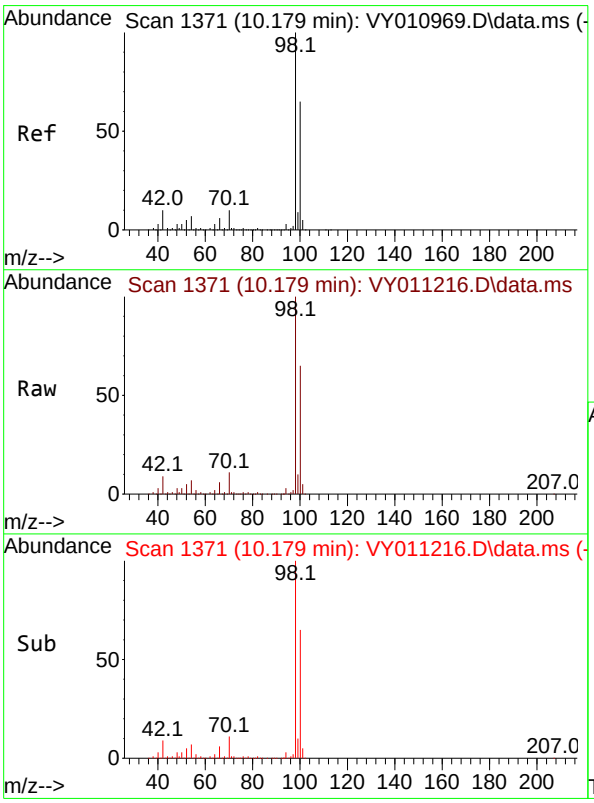
#49
1,4-Dioxane
Concen: 2.021 ug/l
RT: 9.289 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 88 Resp: 49

Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.8	49.2#
58	0.0	59.8	89.6#

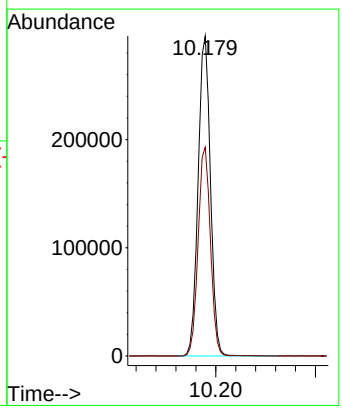


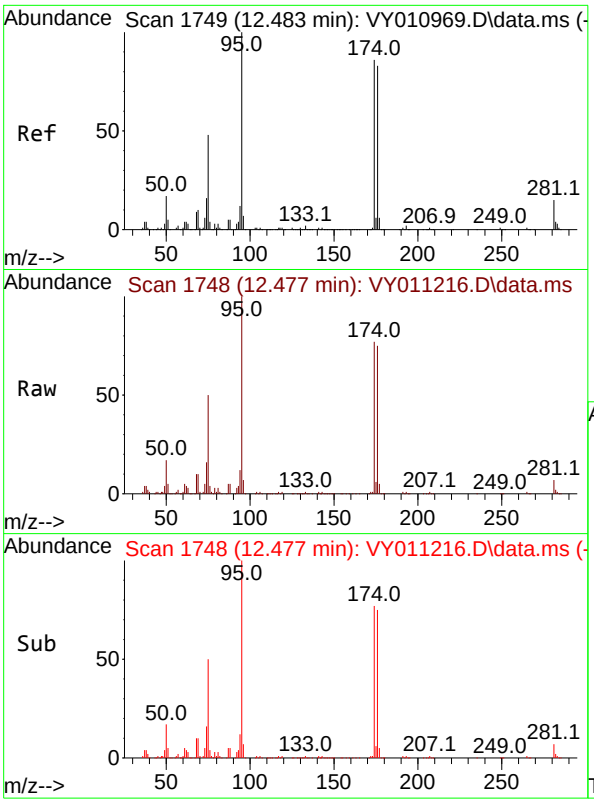


#50
Toluene-d8
Concen: 48.509 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 98 Resp: 506324

Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.2	75.2



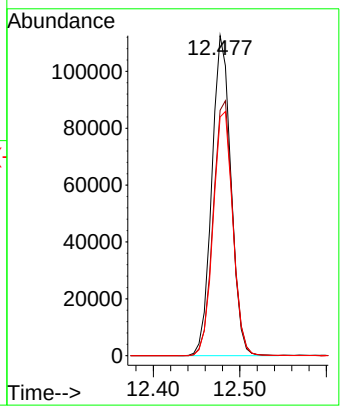


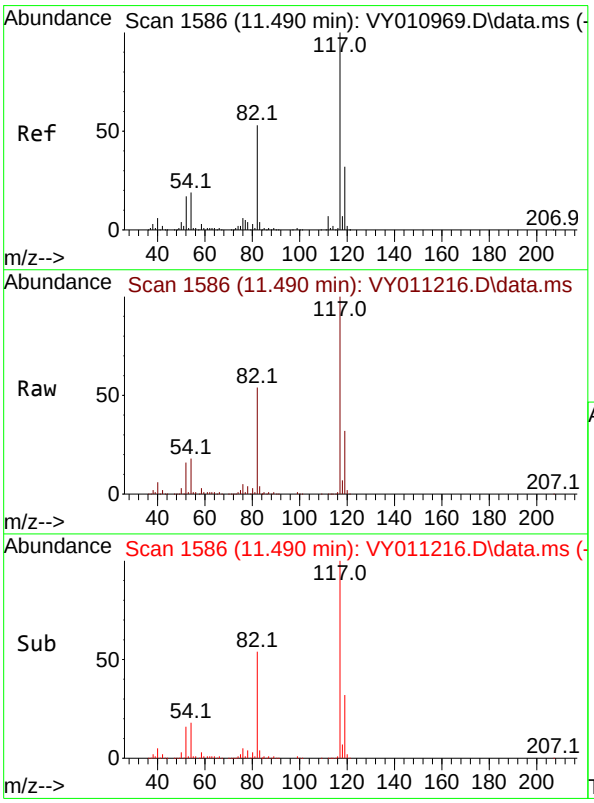
#62
4-Bromofluorobenzene
Concen: 47.631 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 95 Resp: 172596

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	177.0
176	78.5	0.0	175.8

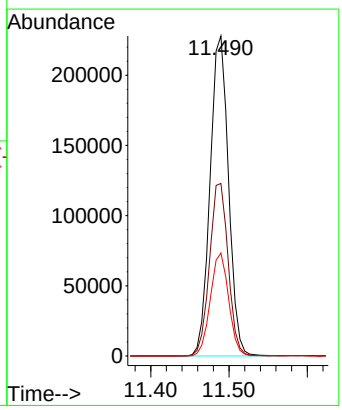


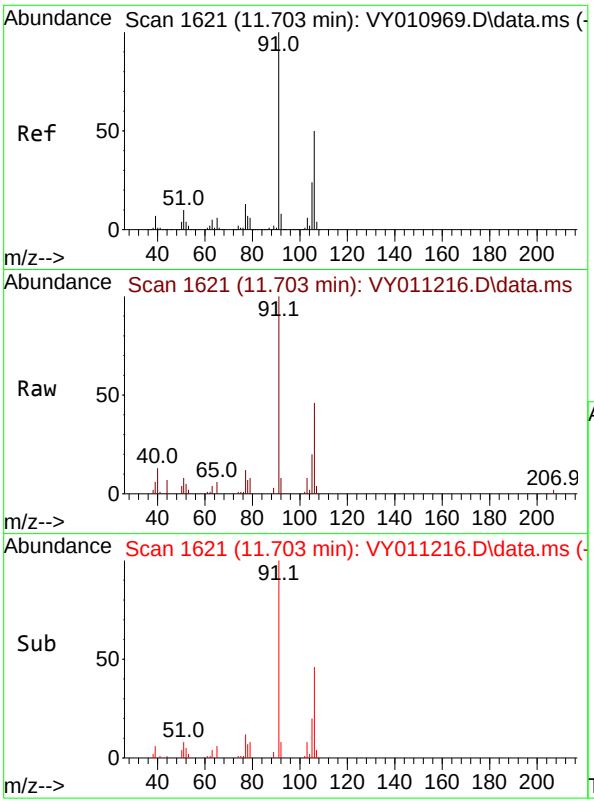


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:117 Resp: 372858

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.4
119	32.2	25.4	38.0



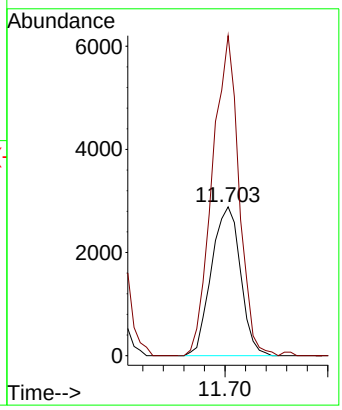


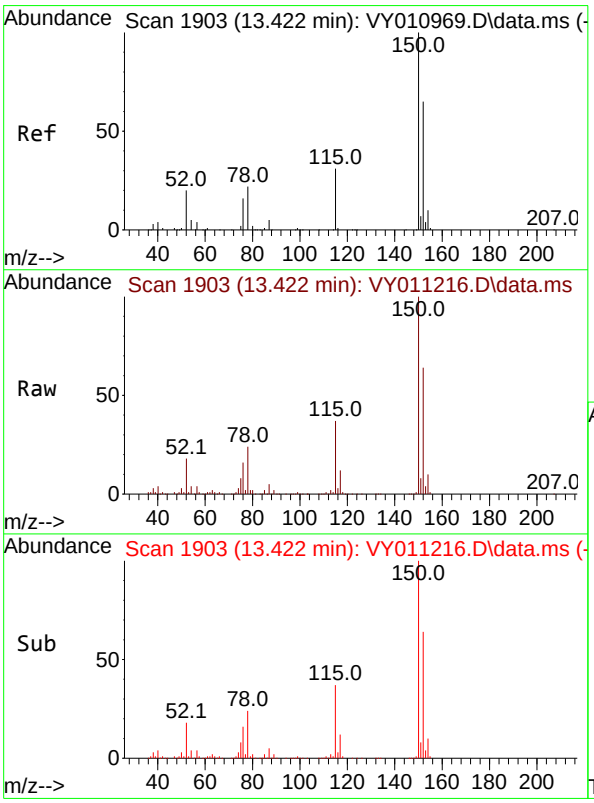
#68
m/p-Xylenes
Concen: 1.001 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:106 Resp: 5669

Ion	Ratio	Lower	Upper
106	100		
91	196.9	166.6	249.8

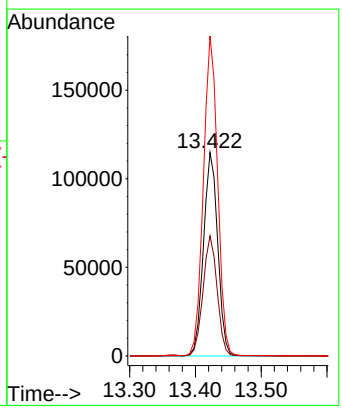


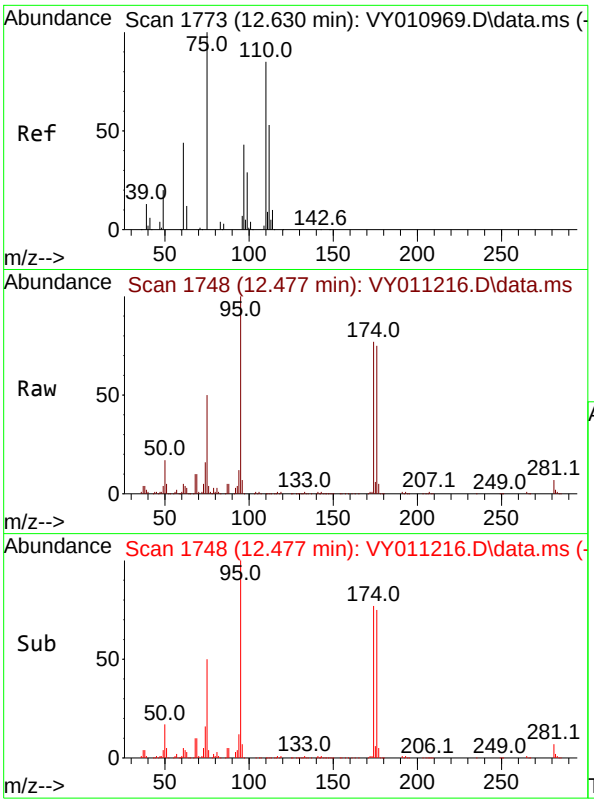


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:152 Resp: 172702

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	157.7	0.0	347.6



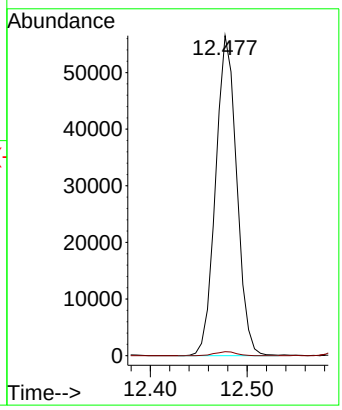


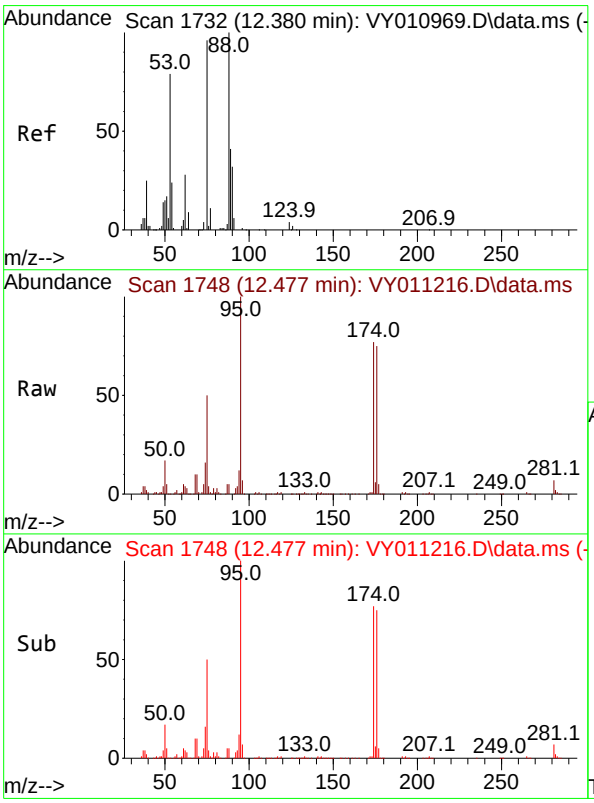
#76
1,2,3-Trichloropropane
Concen: 40.711 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.153 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 85594

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

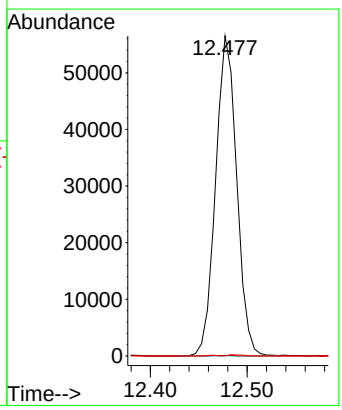


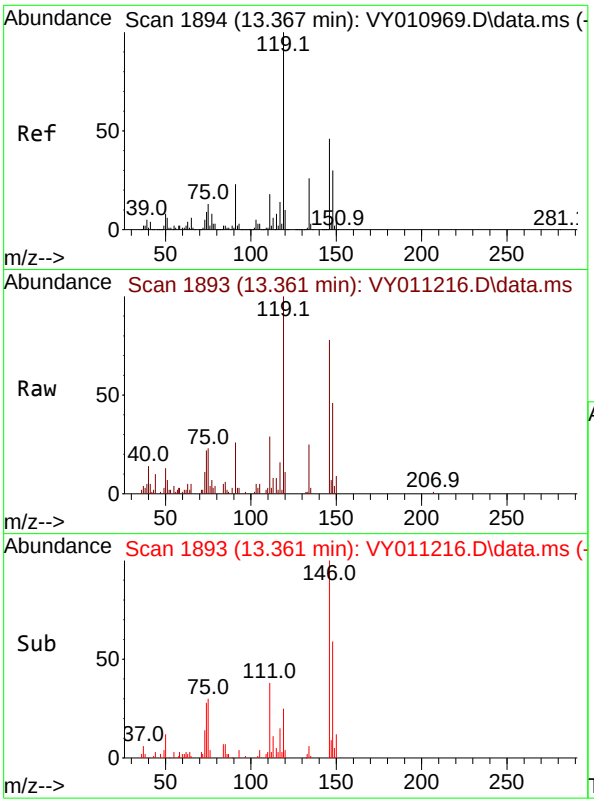


#81
trans-1,4-Dichloro-2-butene
Concen: 87.126 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion: 75 Resp: 85594

Ion	Ratio	Lower	Upper
75	100		
53	0.1	85.3	127.9#
89	0.3	37.0	55.4#



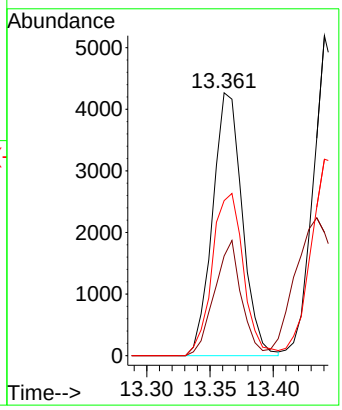


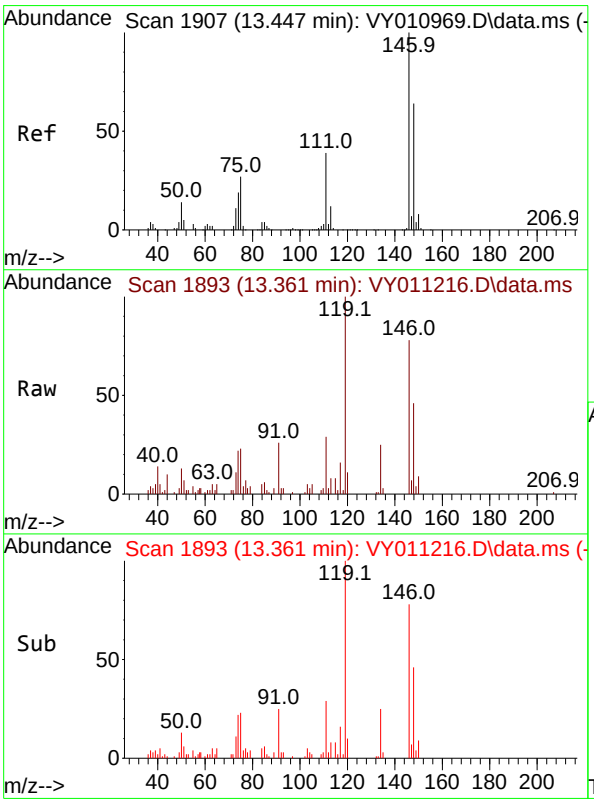
#87
1,3-Dichlorobenzene
Concen: 1.143 ug/l
RT: 13.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 6963

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	65.1	31.6	95.0

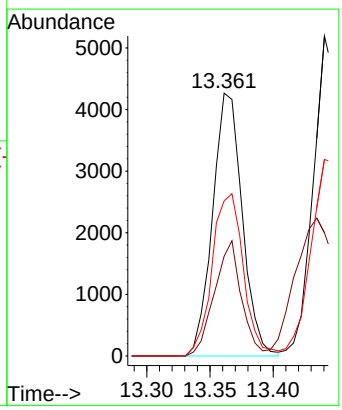


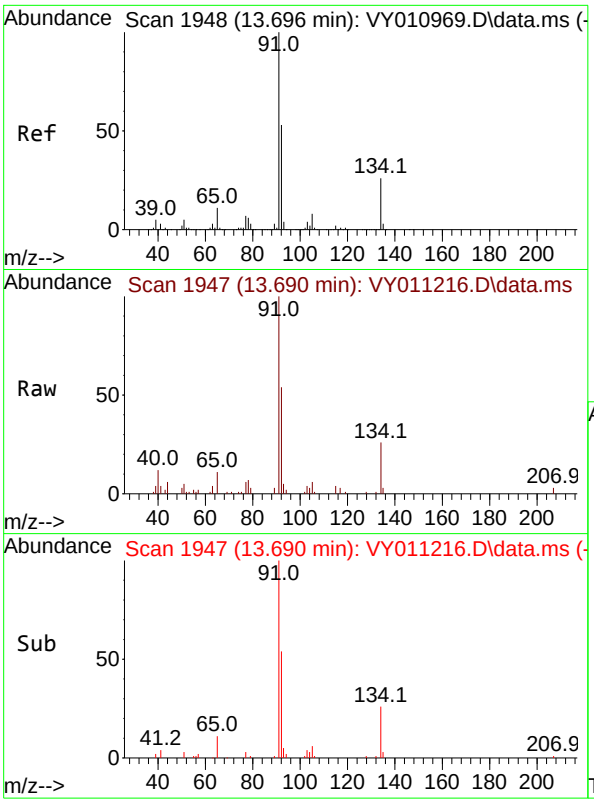


#88
1,4-Dichlorobenzene
Concen: 1.140 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.086 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:146 Resp: 6963

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	65.1	32.6	97.8



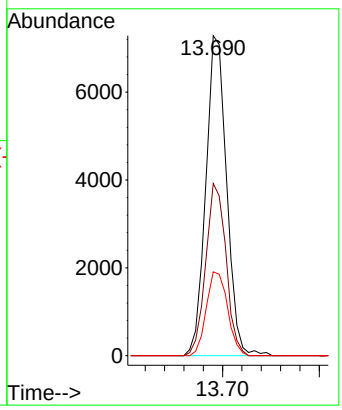


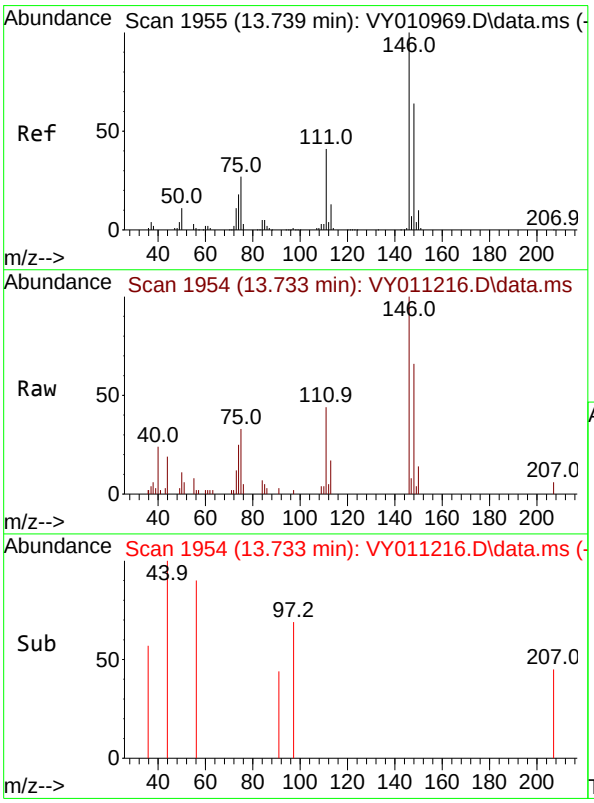
#89
n-Butylbenzene
Concen: 1.004 ug/l
RT: 13.690 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 91 Resp: 10906

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	26.7	13.0	38.9

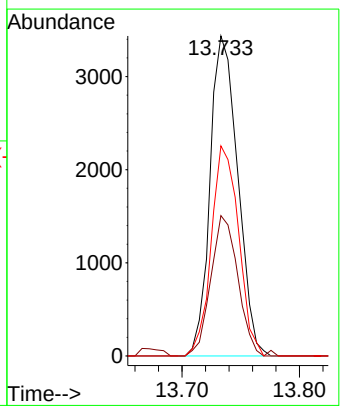


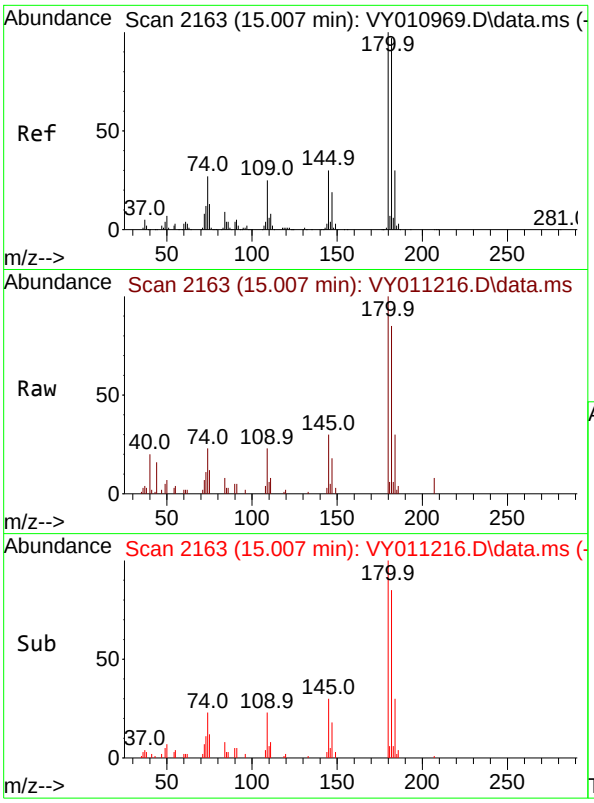


#91
1,2-Dichlorobenzene
Concen: 1.035 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:146 Resp: 5629

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.3	60.9
148	64.7	32.3	96.9



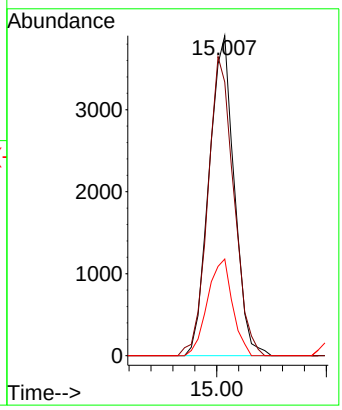


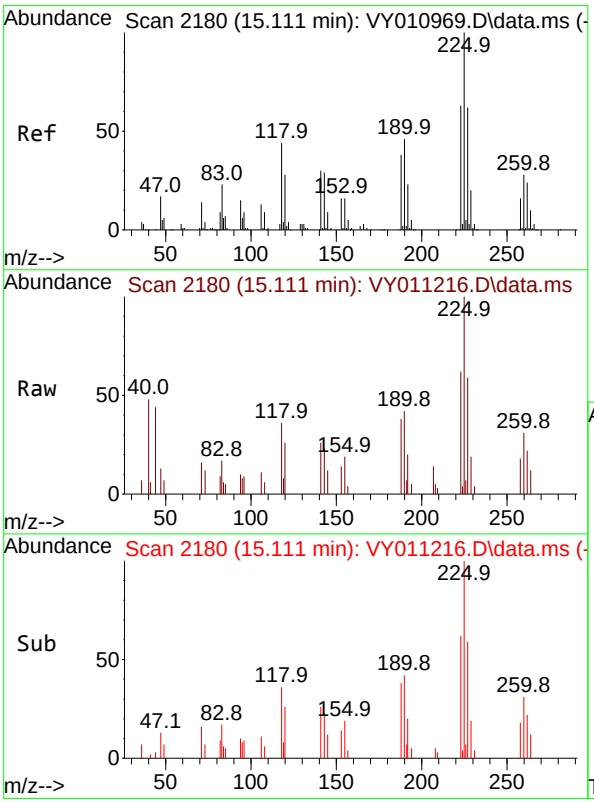
#93
1,2,4-Trichlorobenzene
Concen: 1.893 ug/l
RT: 15.007 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:180 Resp: 6223

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.9
145	29.9	14.6	43.8

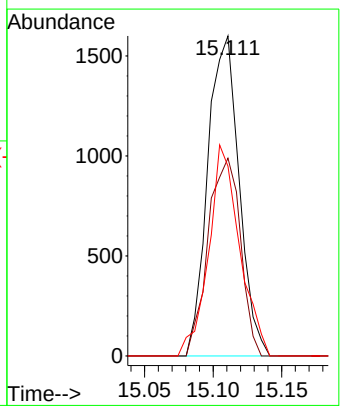


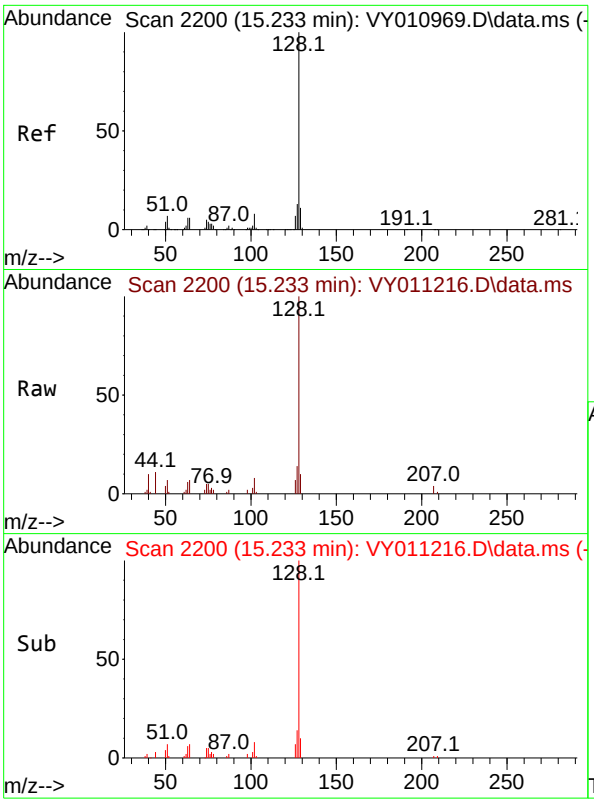


#94
Hexachlorobutadiene
Concen: 1.330 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:225 Resp: 2547

Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.8	92.3
227	65.1	31.6	94.7



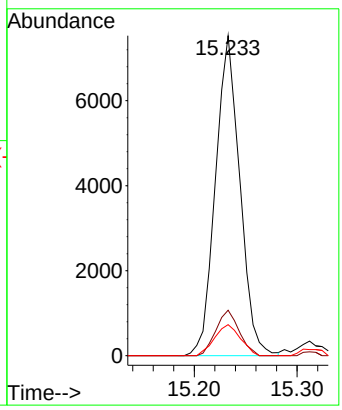


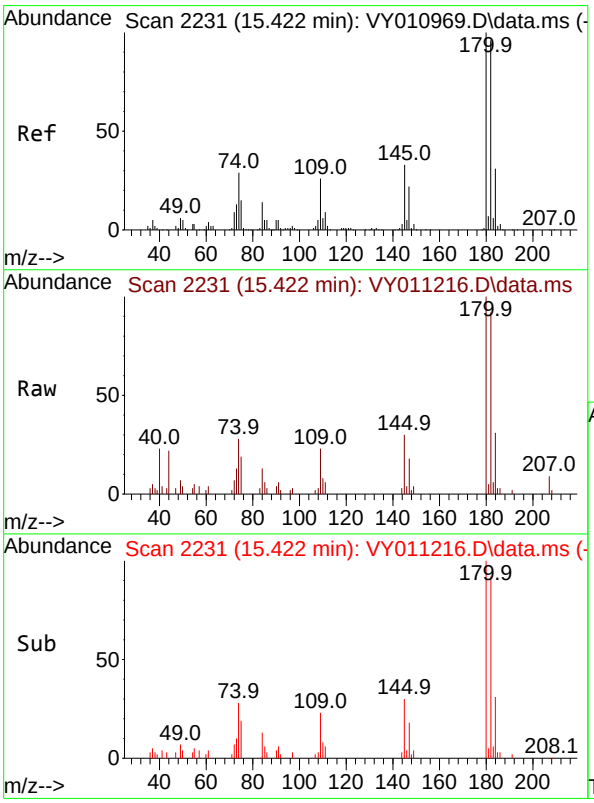
#95
Naphthalene
Concen: 5.454 ug/l
RT: 15.233 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 12400

Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	10.3	8.4	12.6





#96
1,2,3-Trichlorobenzene
Concen: 2.005 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY011216.D
Acq: 01 Nov 2022 11:57

Tgt Ion:180 Resp: 5794

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	33.6	15.3	45.9