Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101419\
Data File : VY000308.D
Acq On : 14 Oct 2019 18:41
Operator : SY/MD
Sample : K5358-02
Misc : 5.00g/5.00ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId :

Quant Time: Oct 15 01:17:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.80	168	232934	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.70	114	445787	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.49	117	396632	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	182188	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.15	65	162096	65.97	ug/l		0.00
Spiked Amount 50.000			Recovery = 131.94%				
35) Dibromofluoromethane	7.73	113	94282	35.06	ug/l		0.00
Spiked Amount 50.000			Recovery = 70.12%				
50) Toluene-d8	10.18	98	539097	52.12	ug/l		0.00
Spiked Amount 50.000			Recovery = 104.24%				
62) 4-Bromofluorobenzene	12.48	95	194266	49.43	ug/l		0.00
Spiked Amount 50.000			Recovery = 98.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.91	85	85	Below Cal		#	10
11) Tert butyl alcohol	4.97	59	90067	350.269	ug/l		99
13) Acrolein	3.73	56	554	1.838	ug/l	#	50
16) Acetone	3.96	43	35991	45.231	ug/l		96
17) Carbon Disulfide	4.19	76	337963	45.627	ug/l		100
20) Methylene Chloride	4.74	84	4935	Below Cal		#	75
25) 2-Butanone	7.00	43	11225	10.014	ug/l		96
31) Cyclohexane	7.79	56	8662	1.843	ug/l	#	52
36) 1,1-Dichloropropene	7.80	75	19048	4.364	ug/l	#	49
37) Ethyl Acetate	7.00	43	11225	4.343	ug/l	#	77
38) Carbon Tetrachloride	7.80	117	23257	5.503	ug/l	#	18
39) Methylcyclohexane	9.16	83	18998	3.326	ug/l	#	23
43) Isopropyl Acetate	8.26	43	17498	3.561	ug/l	#	54
51) 4-Methyl-2-Pentanone	10.12	43	7553	2.980	ug/l		89
55) 1,1,2-Trichloroethane	10.62	97	28104	11.171	ug/l	#	19
56) Ethyl methacrylate	10.52	69	7242	2.020	ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.91	63	5217	3.647	ug/l		96
59) 2-Hexanone	10.80	43	74410	41.828	ug/l	#	30
74) N-amyl acetate	12.12	43	69027	19.793	ug/l	#	44
75) 1,1,2,2-Tetrachloroethane	12.55	83	11946	4.479	ug/l		83
76) 1,2,3-Trichloropropane	12.48	75	95897	42.806	ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95897	93.657	ug/l	#	16
95) Naphthalene	15.23	128	9761	1.115	ug/l	#	91

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

Quantitation Report (Not Reviewed)

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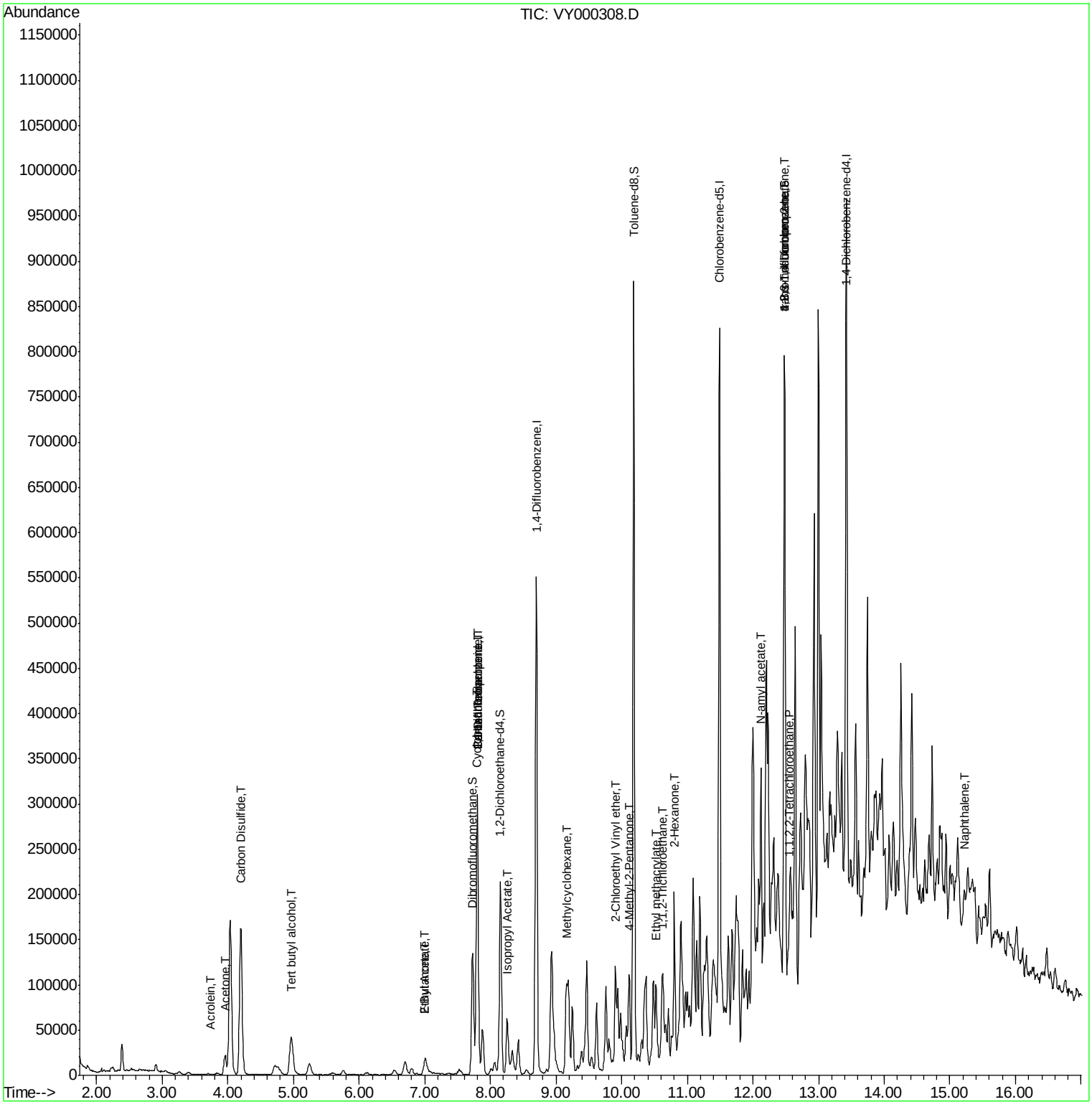
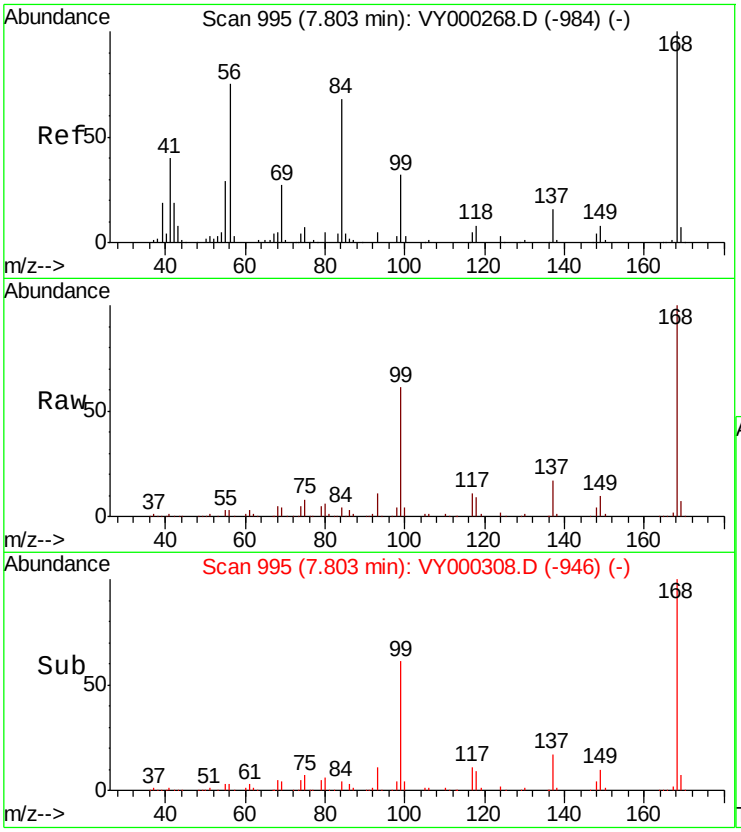


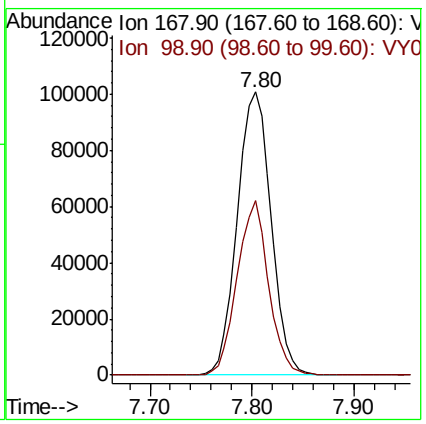


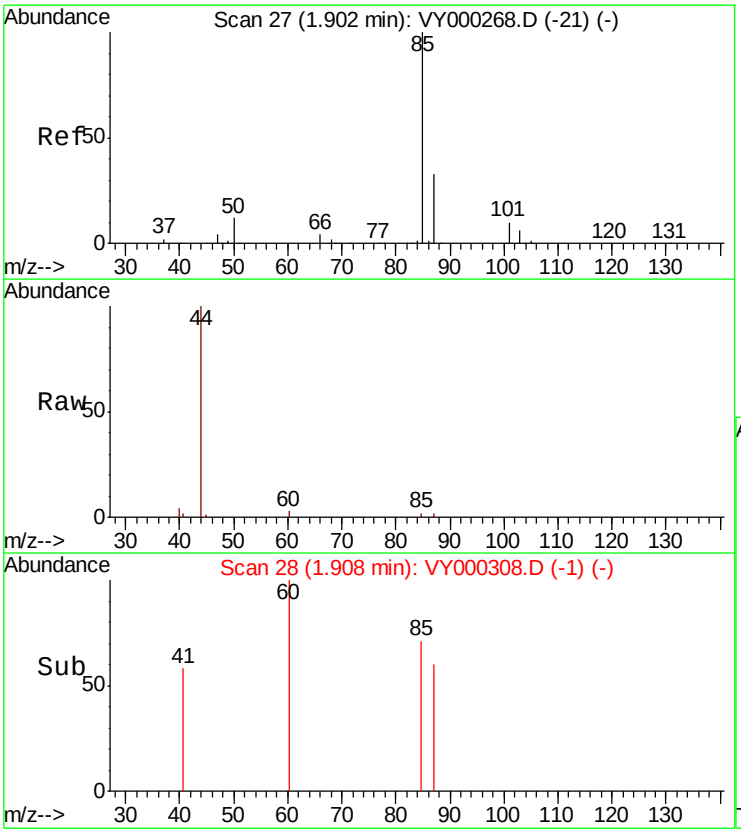
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 232934

Ion	Ratio	Lower	Upper
168	100		
99	61.5	46.6	69.8

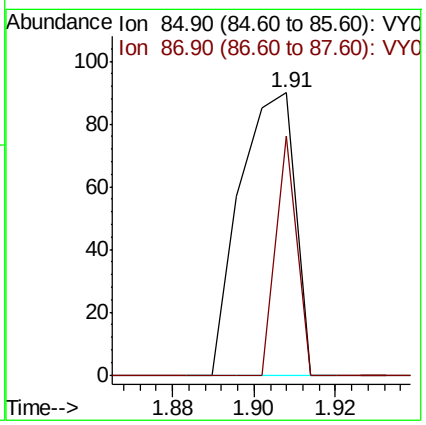


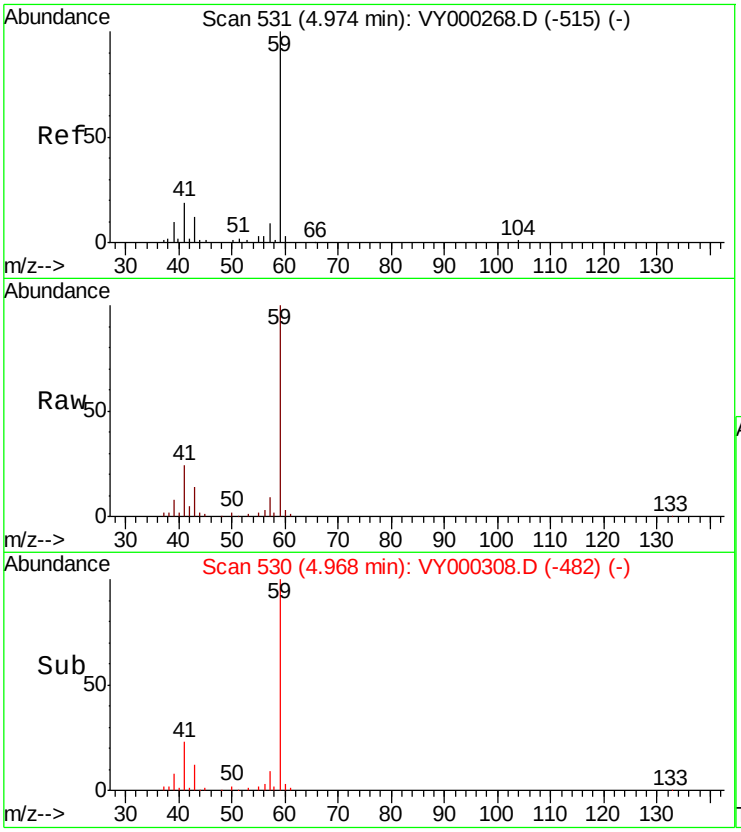


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.91 min Scan# 28
Delta R.T. 0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 85 Resp: 85

Ion	Ratio	Lower	Upper
85	100		
87	84.4	16.6	49.8#



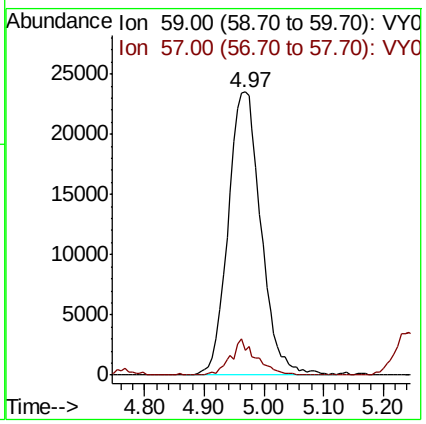


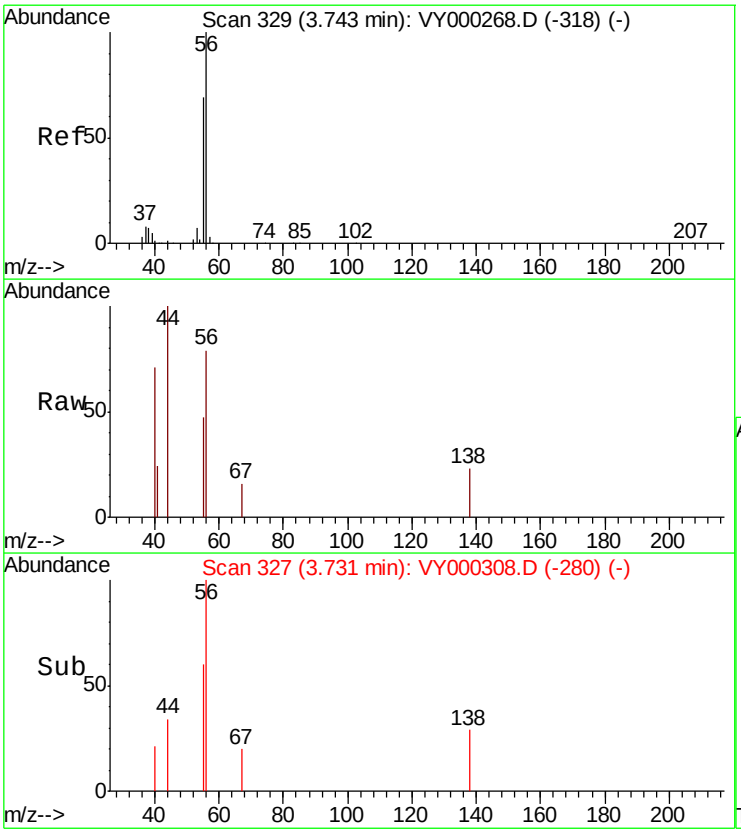
#11
Tert butyl alcohol
Concen: 350.269 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 90067

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

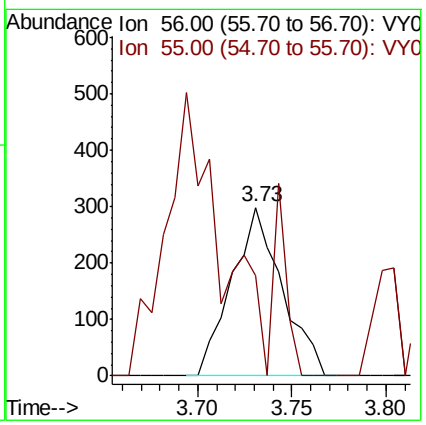


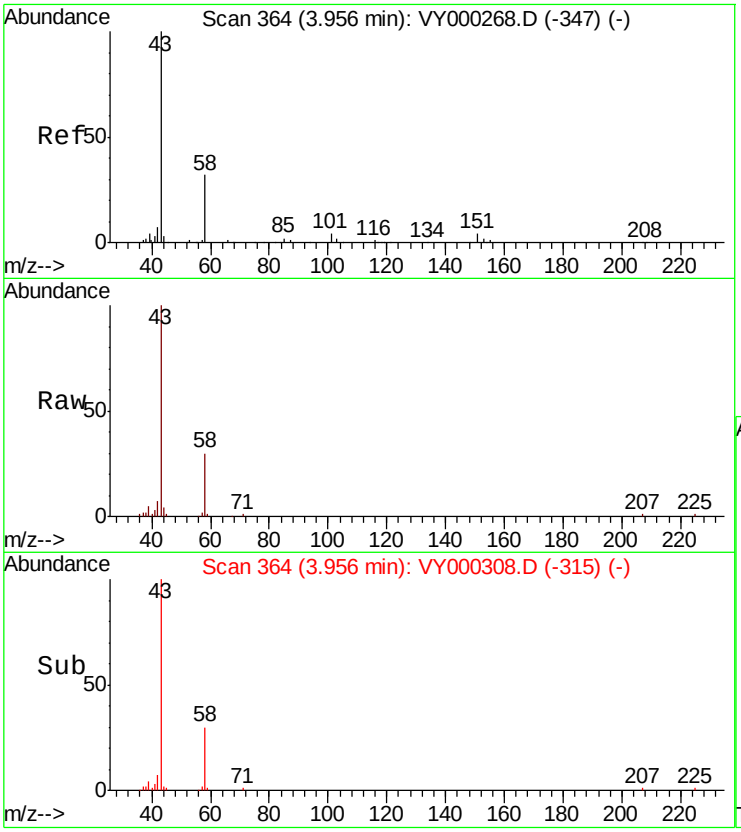


#13
Acrolein
Concen: 1.838 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 56 Resp: 554

Ion	Ratio	Lower	Upper
56	100		
55	28.9	55.7	83.5#



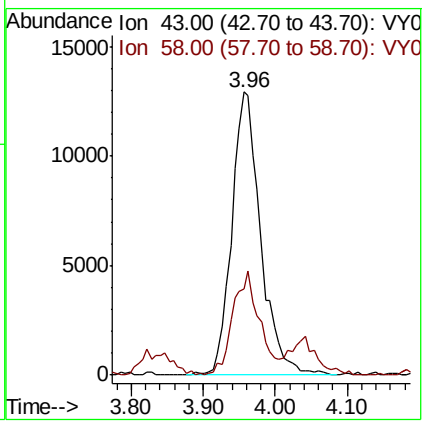


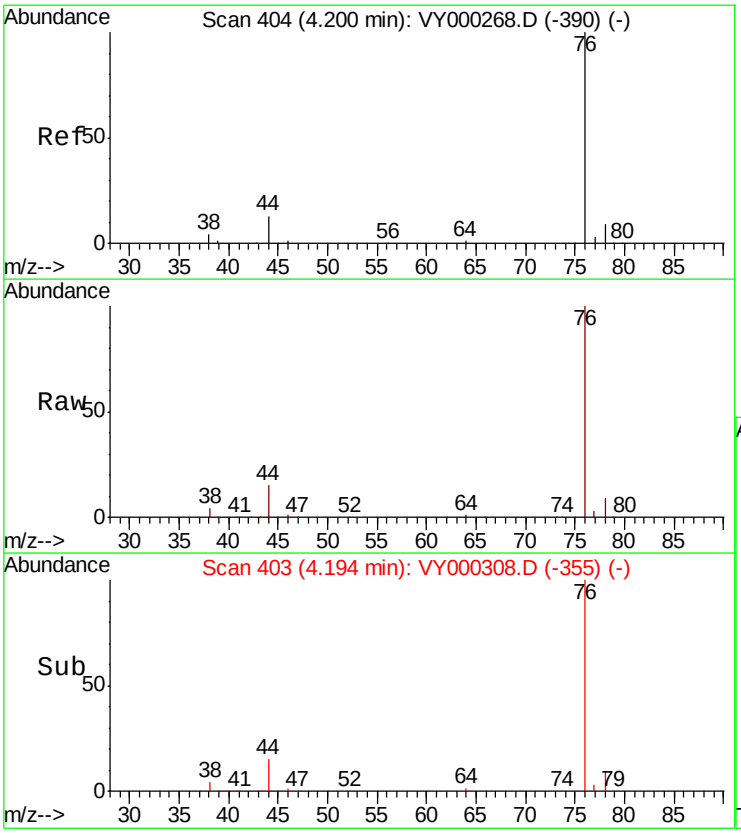
#16
Acetone
Concen: 45.231 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 35991

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.8	38.6

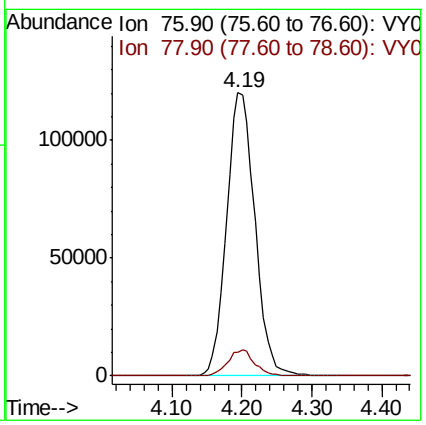


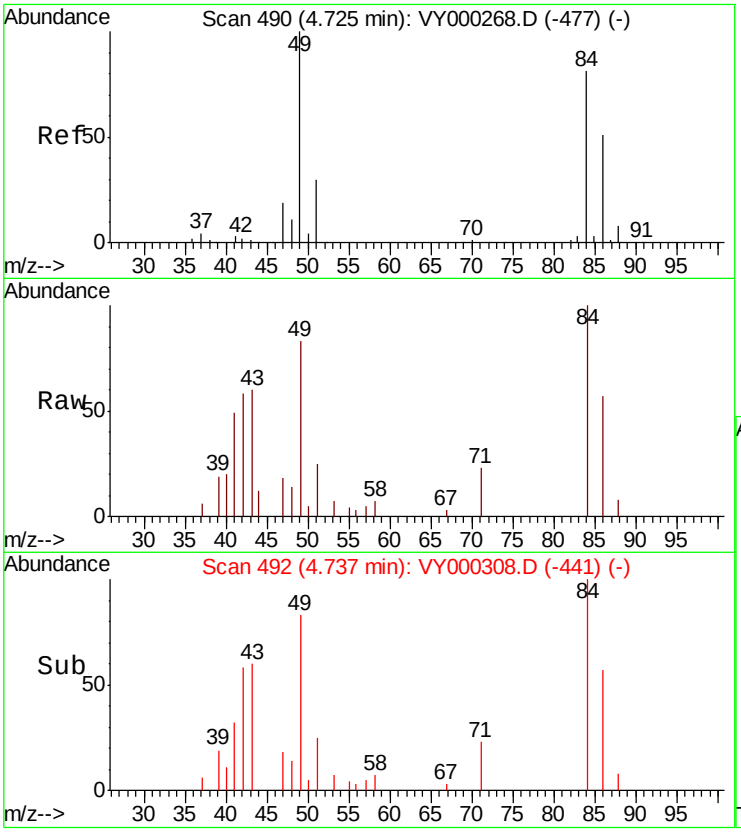


#17
Carbon Disulfide
Concen: 45.627 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 76 Resp: 337963

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4



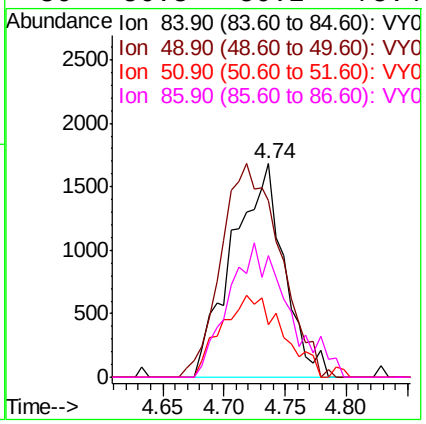


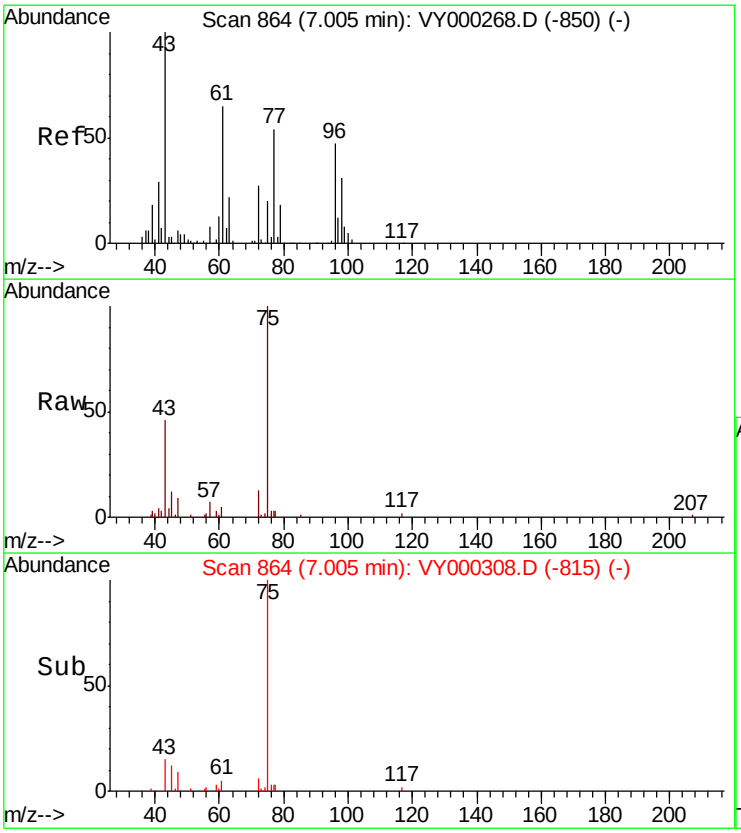
#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 4935

Ion	Ratio	Lower	Upper
84	100		
49	82.9	99.0	148.4#
51	24.8	29.3	43.9#
86	56.8	50.2	75.4

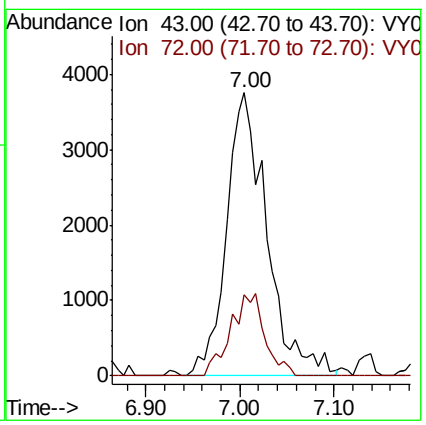


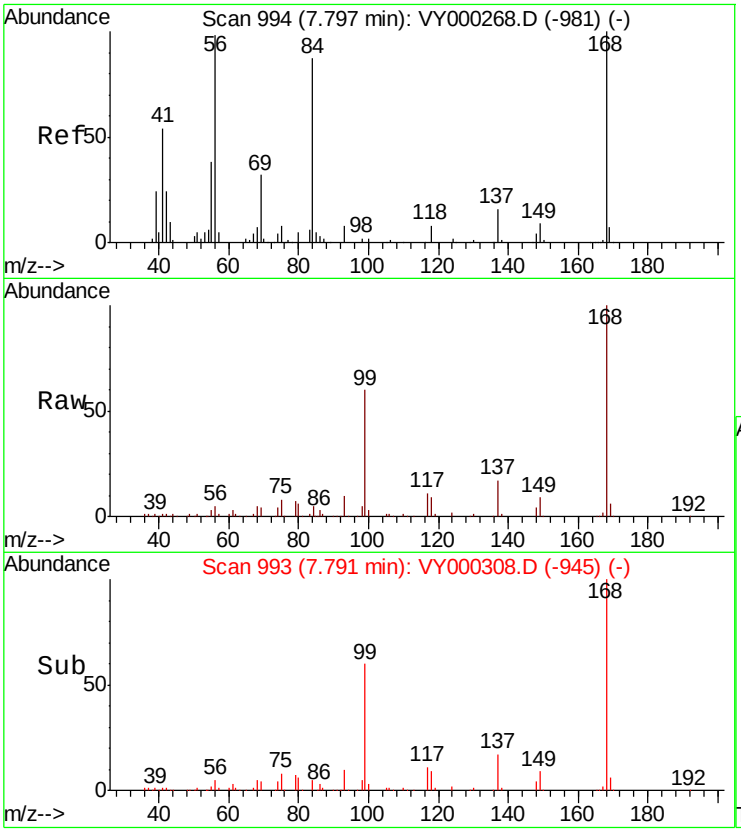


#25
2-Butanone
Concen: 10.014 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 43 Resp: 11225

Ion	Ratio	Lower	Upper
43	100		
72	28.6	21.4	32.2



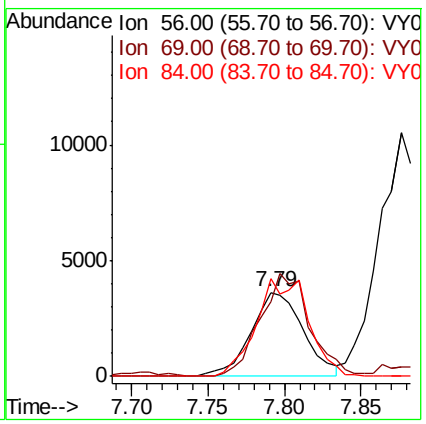


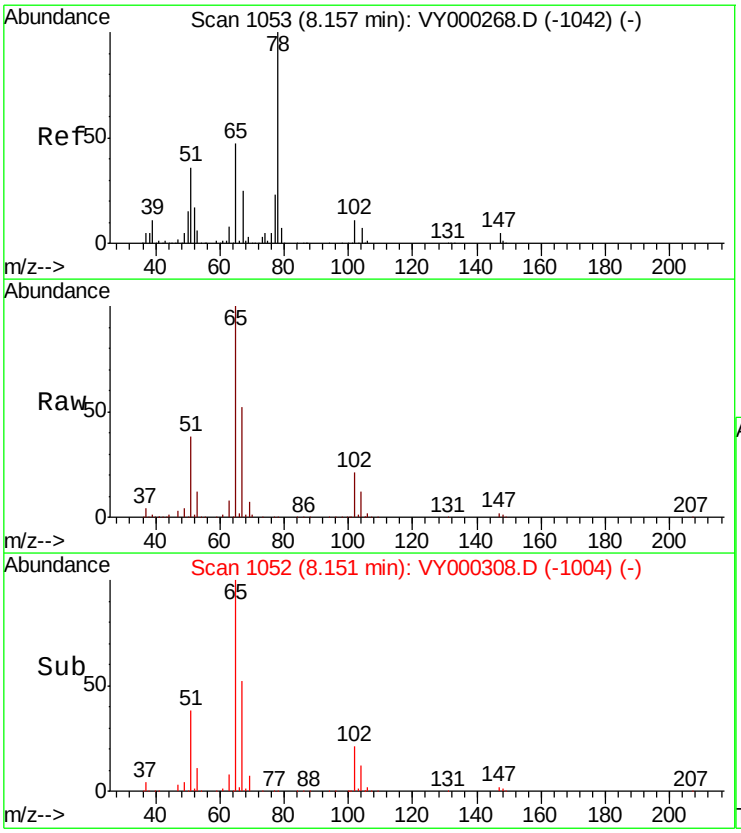
#31
Cyclohexane
Concen: 1.843 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 8662

Ion	Ratio	Lower	Upper
56	100		
69	88.4	26.3	39.5#
84	116.2	70.8	106.2#

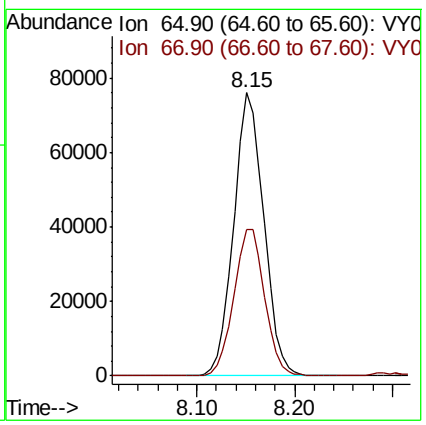


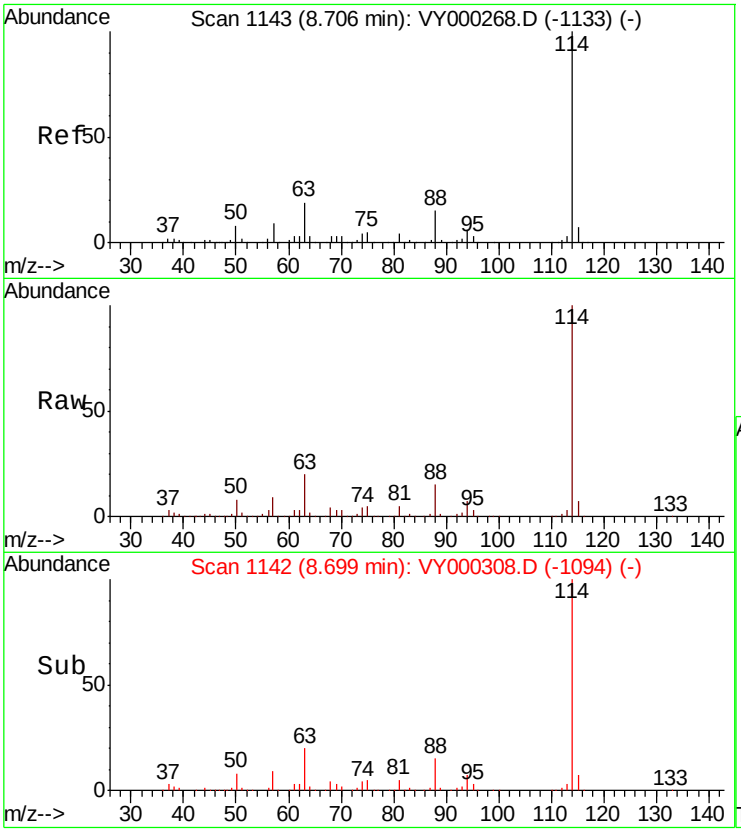


#33
1,2-Dichloroethane-d4
Concen: 65.971 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 65 Resp: 162096

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.4



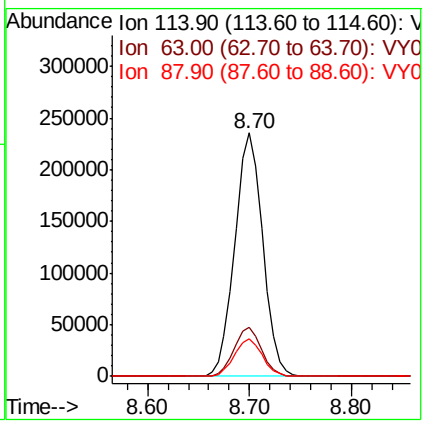


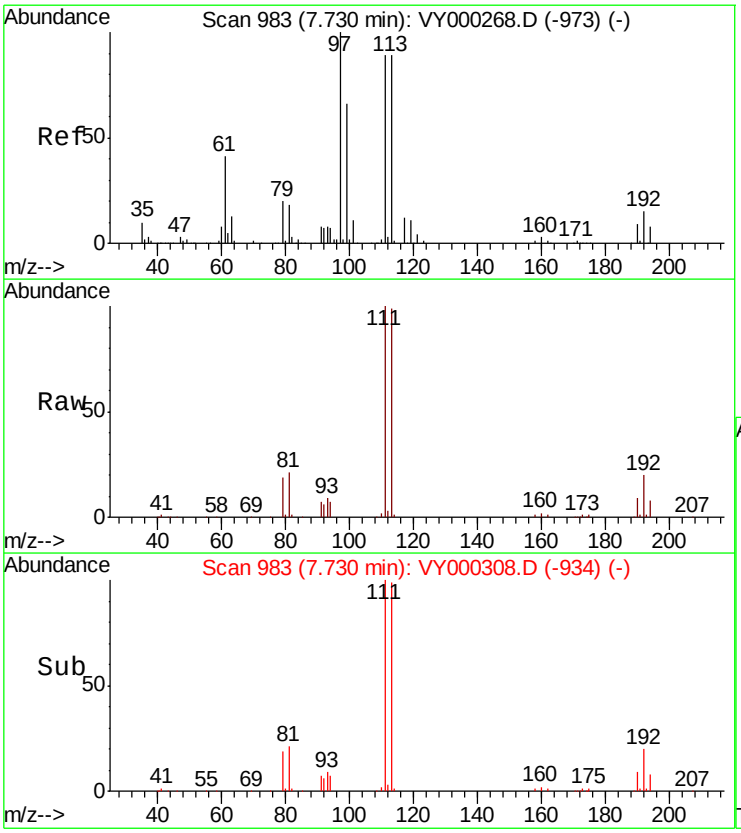
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 445787

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	37.2
88	15.5	0.0	30.2

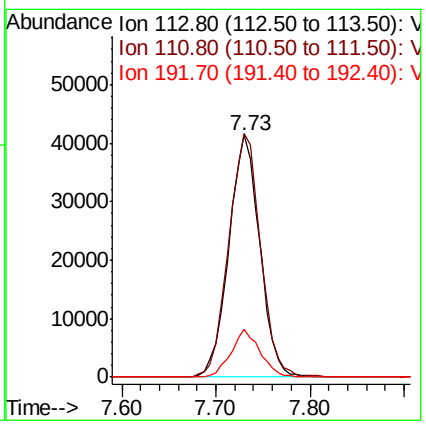


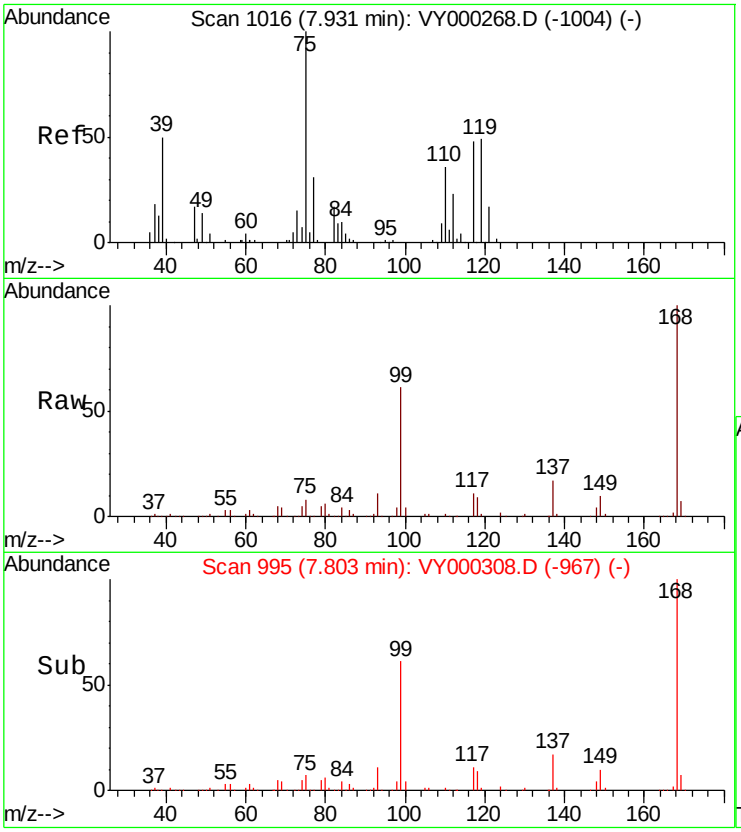


#35
Dibromofluoromethane
Concen: 35.062 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion:113 Resp: 94282

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	18.5	15.3	22.9



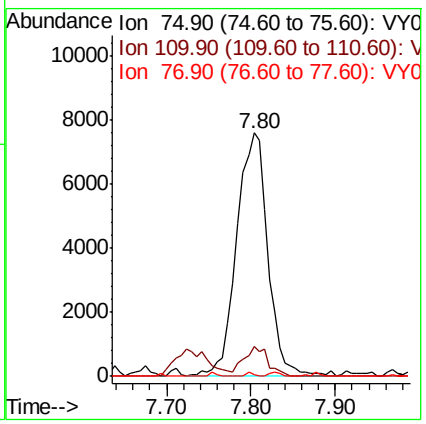


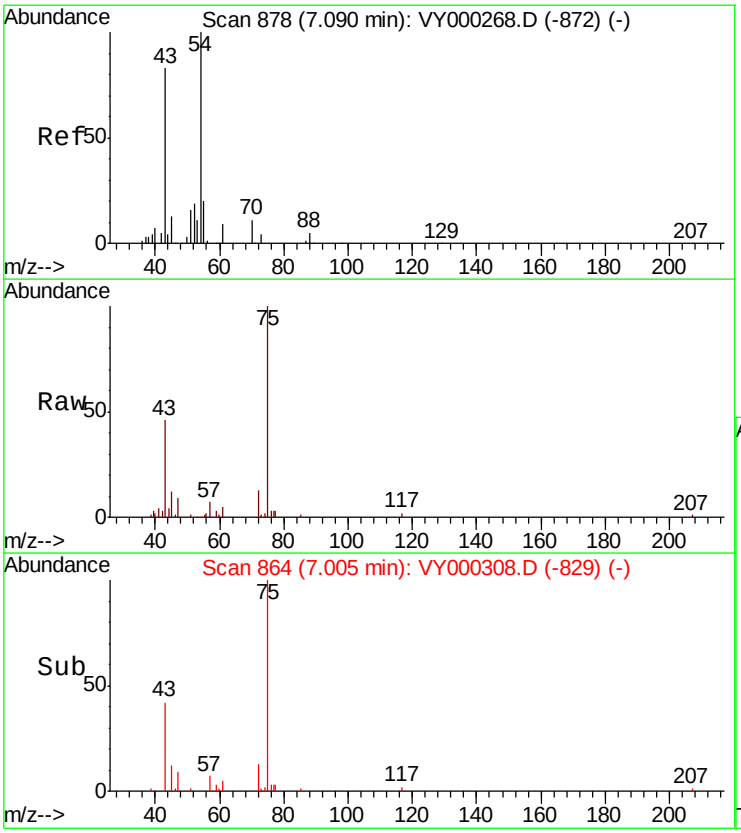
#36
1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.13 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 19048

Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.4#
77	0.4	25.0	37.6#

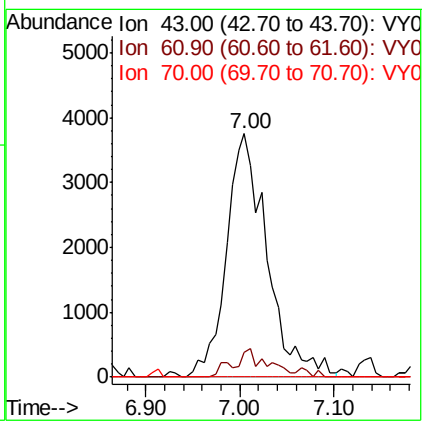


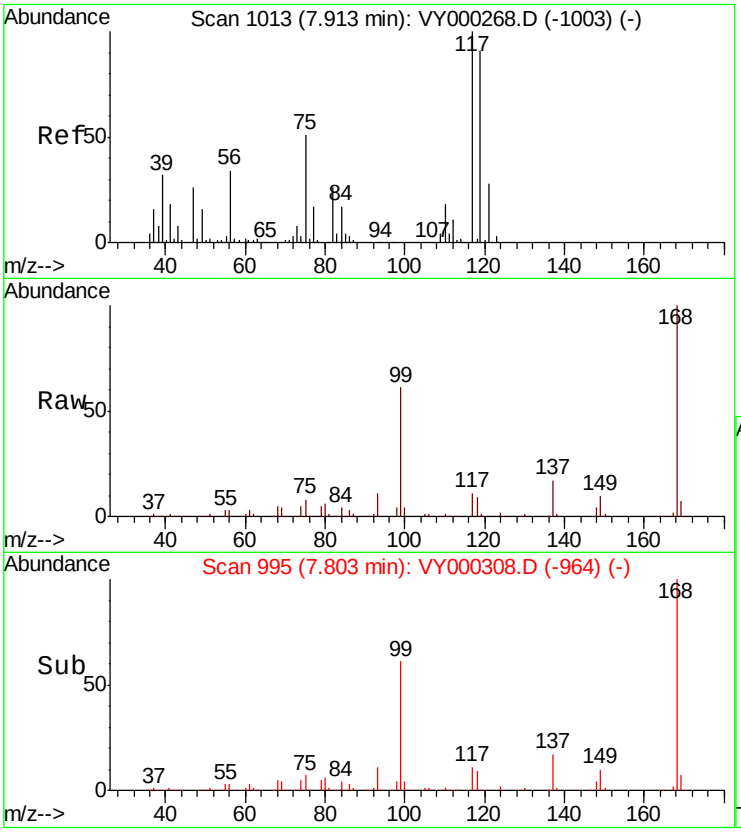


#37
Ethyl Acetate
Concen: 4.343 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 43 Resp: 11225

Ion	Ratio	Lower	Upper
43	100		
61	7.2	12.1	18.1#
70	0.0	8.7	13.1#



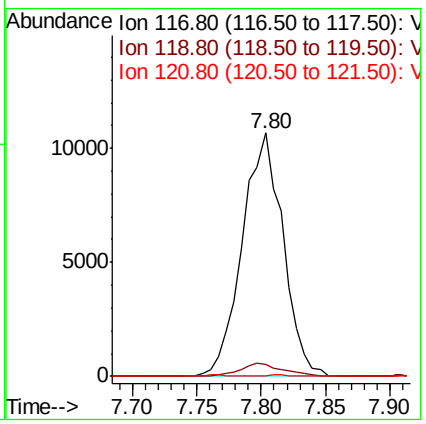


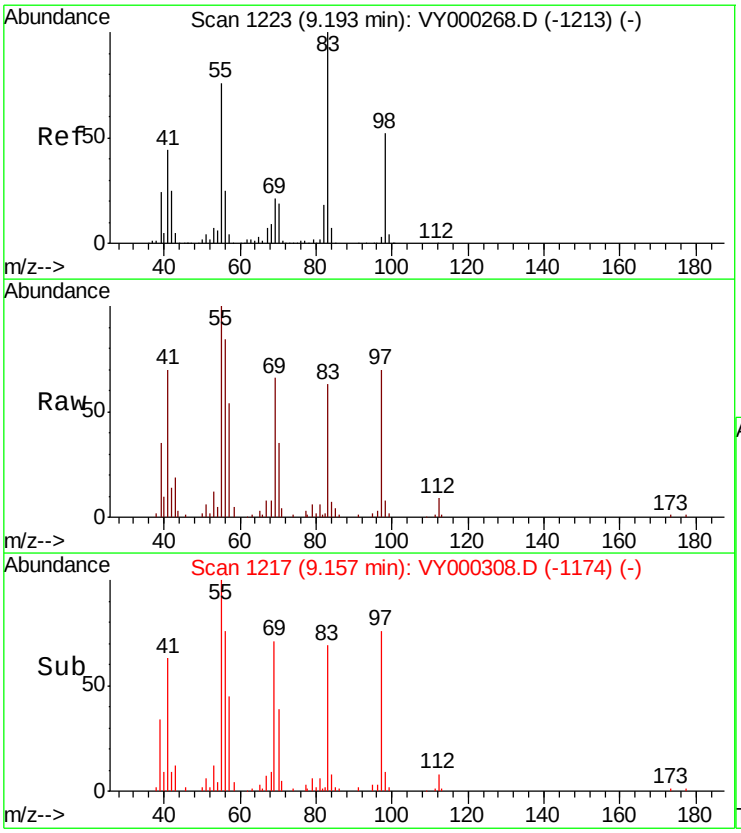
#38
Carbon Tetrachloride
Concen: 5.503 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 23257

Ion	Ratio	Lower	Upper
117	100		
119	4.7	72.8	109.2#
121	0.0	22.2	33.2#

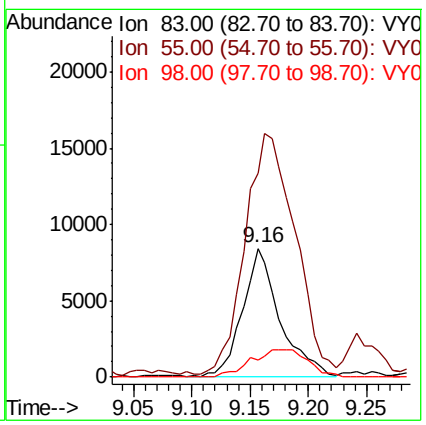


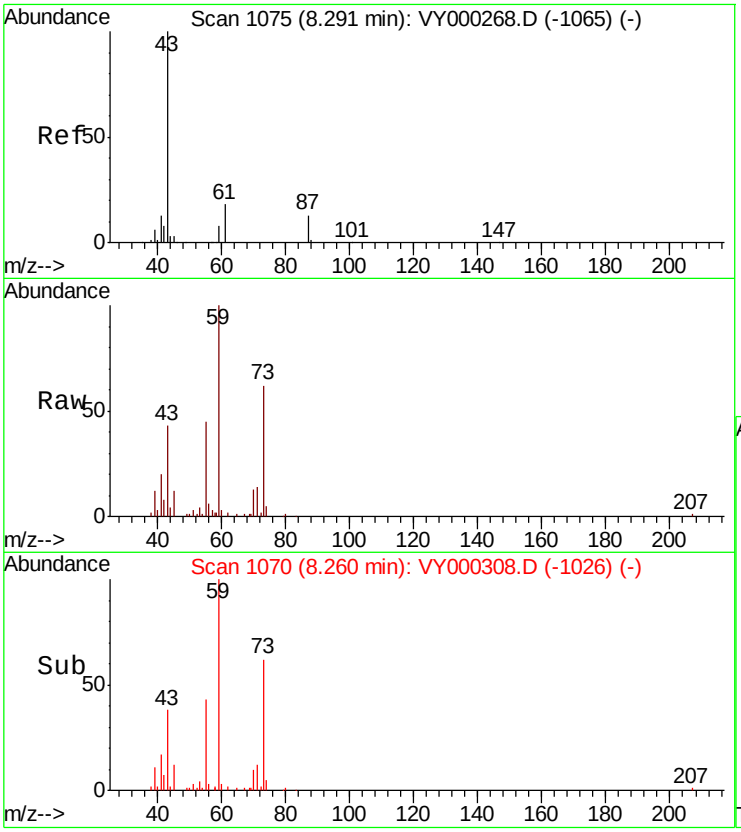


#39
Methylcyclohexane
Concen: 3.326 ug/l
RT: 9.16 min Scan# 1217
Delta R.T. -0.04 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 83 Resp: 18998

Ion	Ratio	Lower	Upper
83	100		
55	155.2	60.9	91.3#
98	13.1	41.8	62.6#



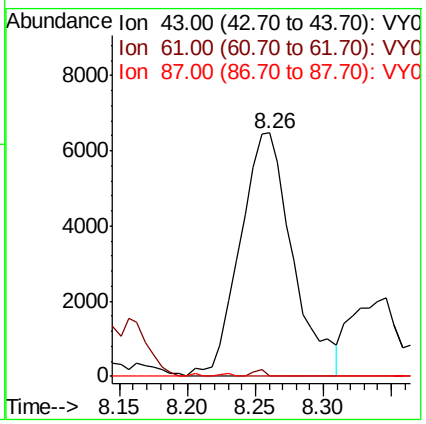


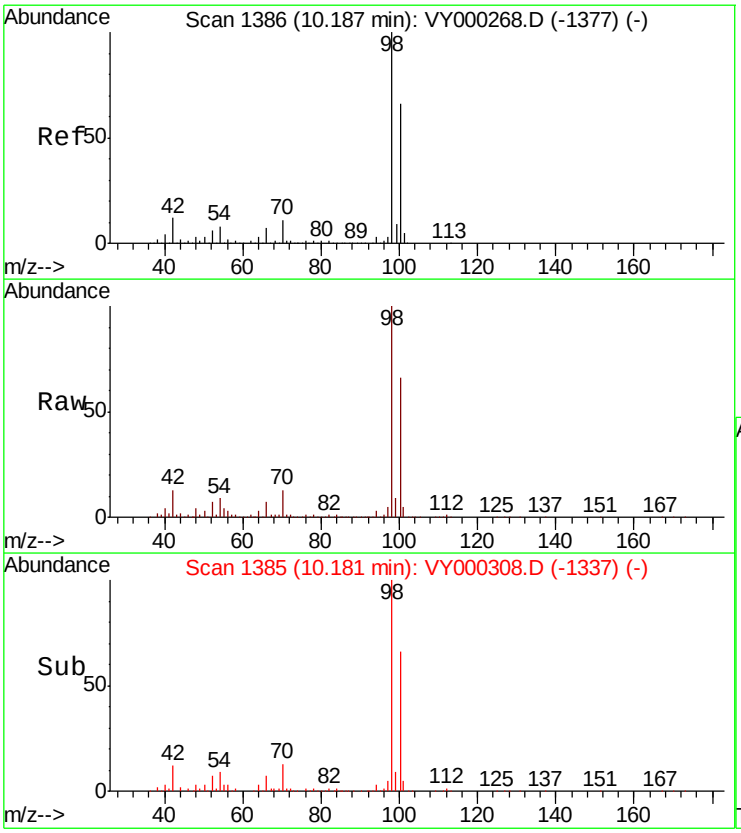
#43
Isopropyl Acetate
Concen: 3.561 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.03 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument : MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 17498

Ion	Ratio	Lower	Upper
43	100		
61	0.6	22.3	33.5#
87	0.0	10.9	16.3#

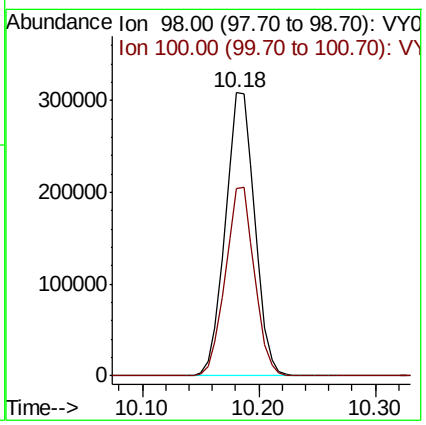


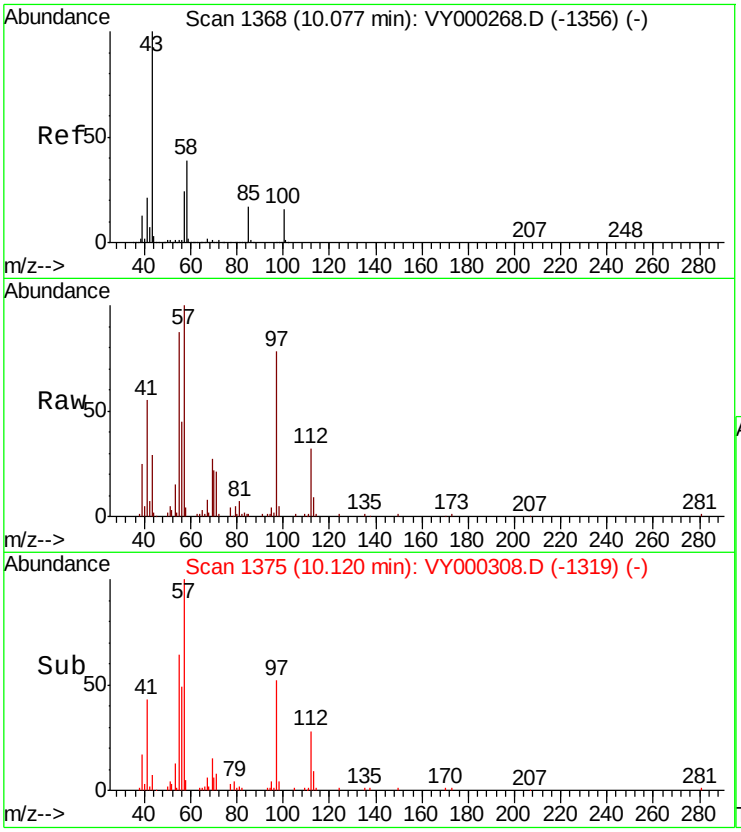


#50
Toluene-d8
Concen: 52.117 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 98 Resp: 539097

Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.8	79.2



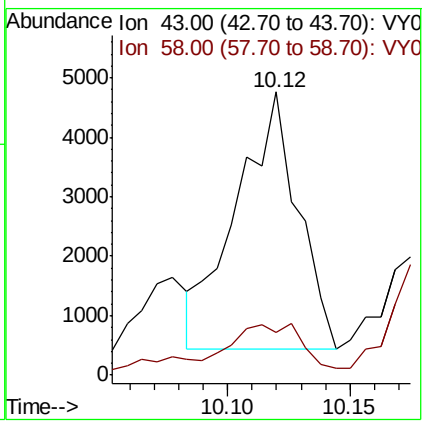


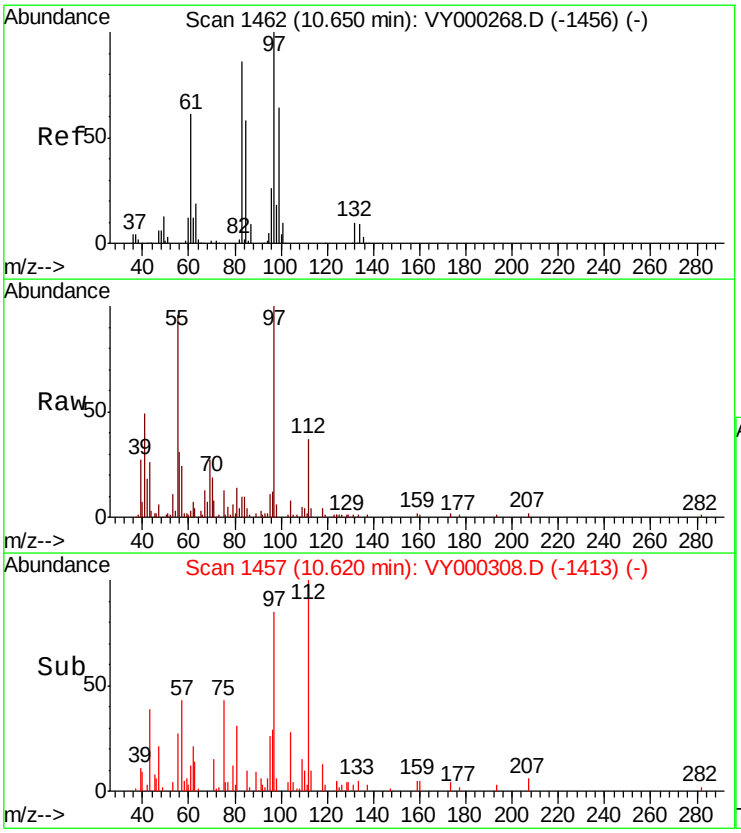
#51
4-Methyl-2-Pentanone
Concen: 2.980 ug/l
RT: 10.12 min Scan# 1375
Delta R.T. 0.04 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 7553

Ion	Ratio	Lower	Upper
43	100		
58	31.8	31.0	46.6

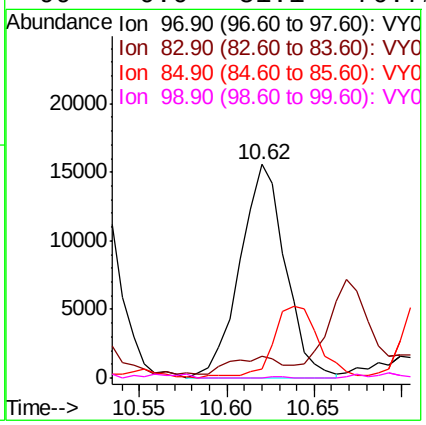


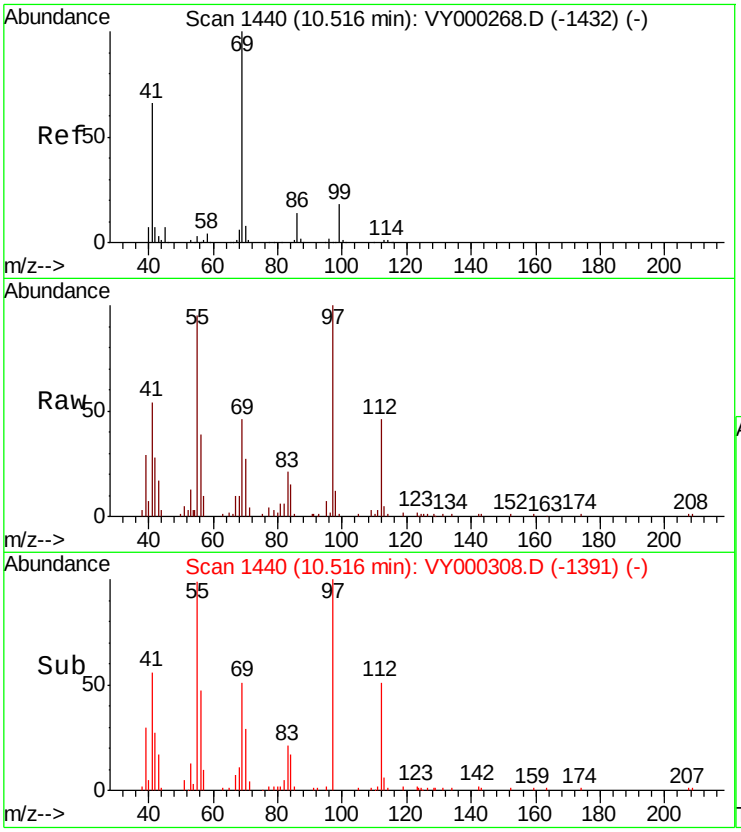


#55
1,1,2-Trichloroethane
Concen: 11.171 ug/l
RT: 10.62 min Scan# 1457
Delta R.T. -0.03 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 97 Resp: 28104

Ion	Ratio	Lower	Upper
97	100		
83	8.0	69.0	103.6#
85	3.9	46.2	69.4#
99	0.0	51.1	76.7#



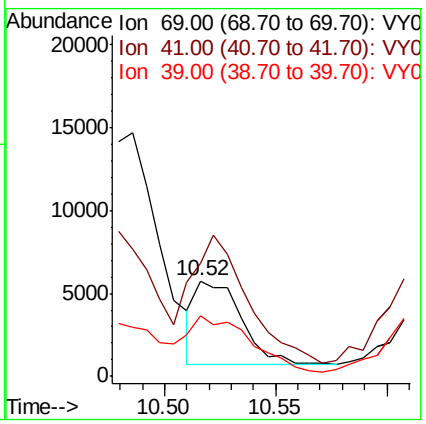


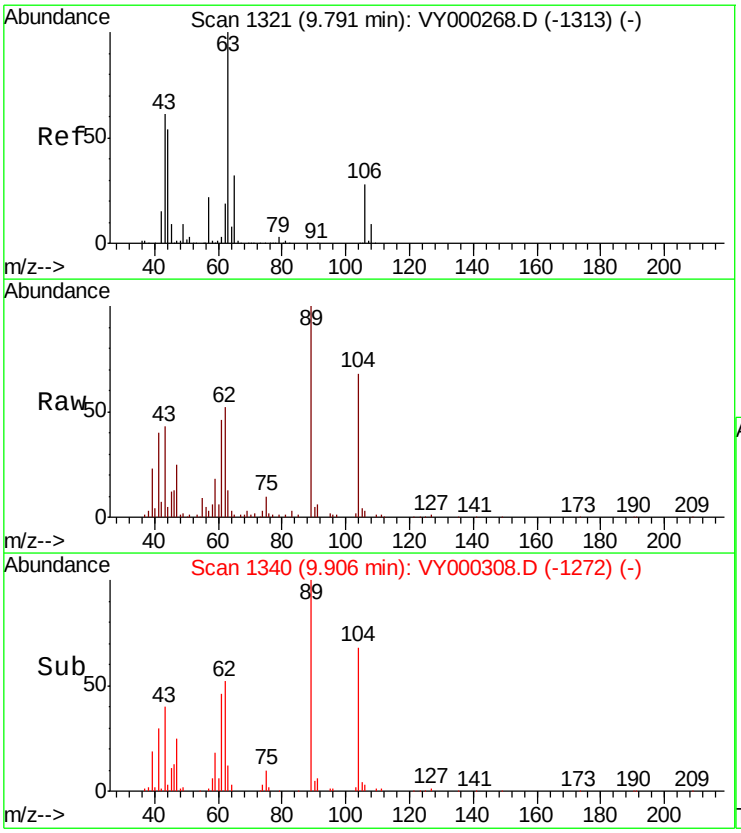
#56
Ethyl methacrylate
Concen: 2.020 ug/l
RT: 10.52 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 69 Resp: 7242

Ion	Ratio	Lower	Upper
69	100		
41	189.1	52.5	78.7#
39	89.7	26.7	40.1#

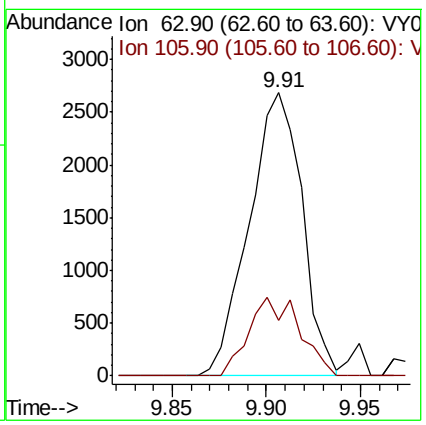


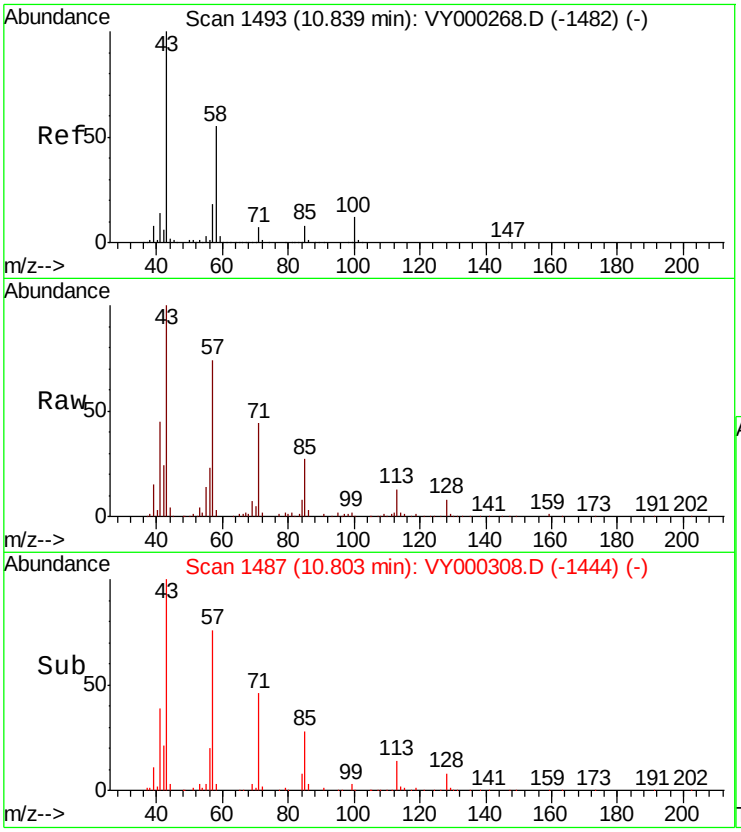


#58
2-Chloroethyl Vinyl ether
Concen: 3.647 ug/l
RT: 9.91 min Scan# 1340
Delta R.T. 0.12 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 63 Resp: 5217

Ion	Ratio	Lower	Upper
63	100		
106	26.7	23.0	34.4



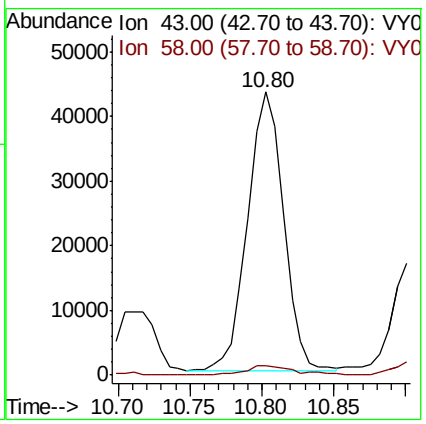


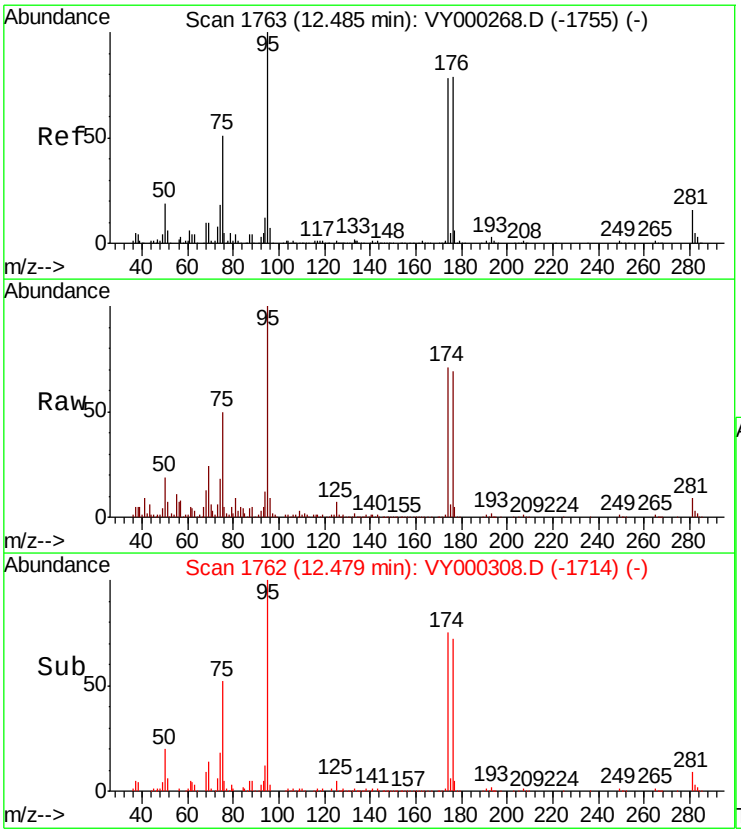
#59
2-Hexanone
Concen: 41.828 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.04 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 74410

Ion	Ratio	Lower	Upper
43	100		
58	4.6	27.7	83.1#

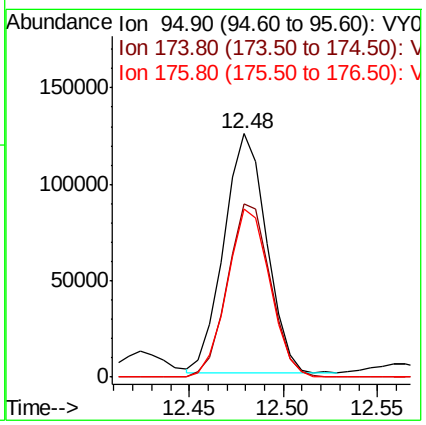


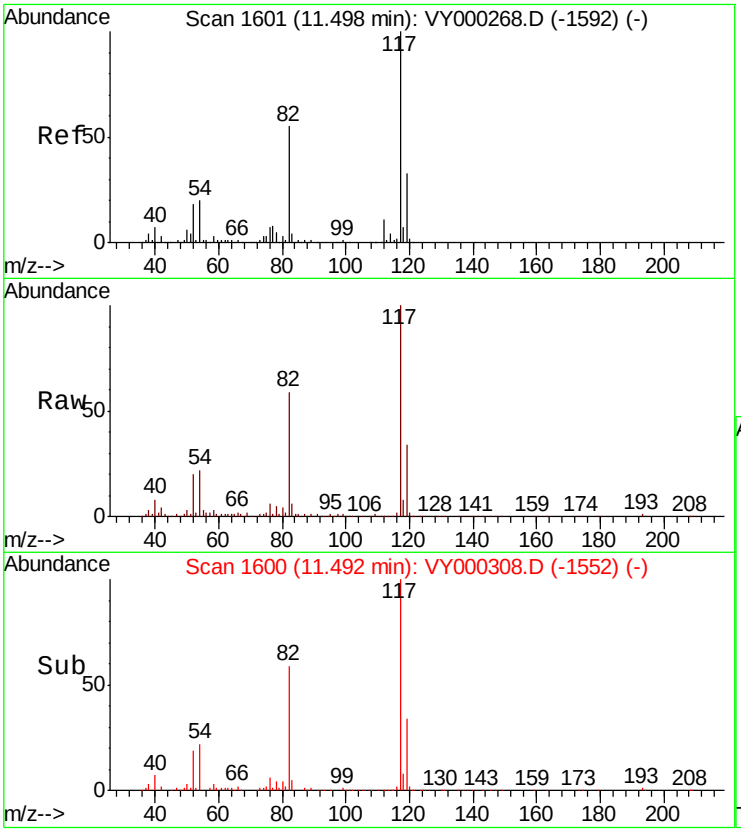


#62
4-Bromofluorobenzene
Concen: 49.434 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 95 Resp: 194266

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	159.6
176	70.8	0.0	153.8



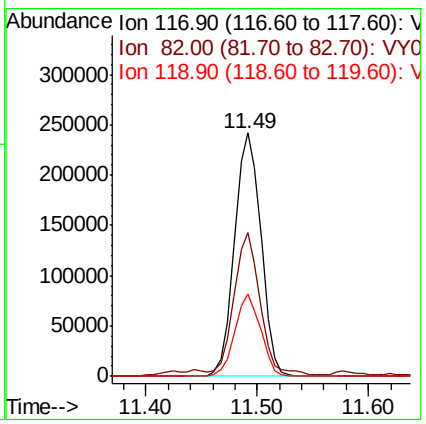


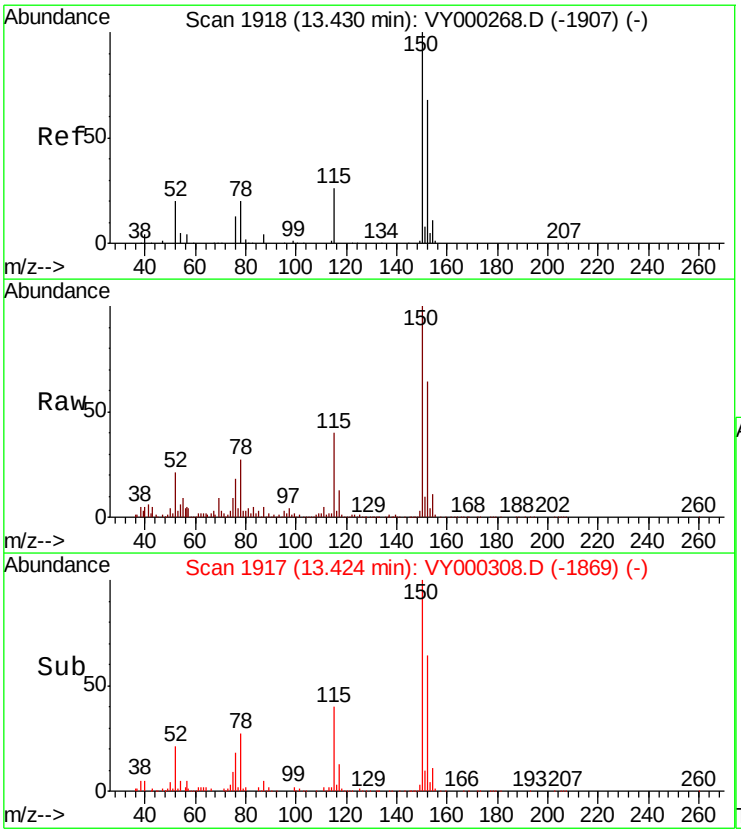
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 396632

Ion	Ratio	Lower	Upper
117	100		
82	57.3	43.7	65.5
119	33.9	26.6	39.8

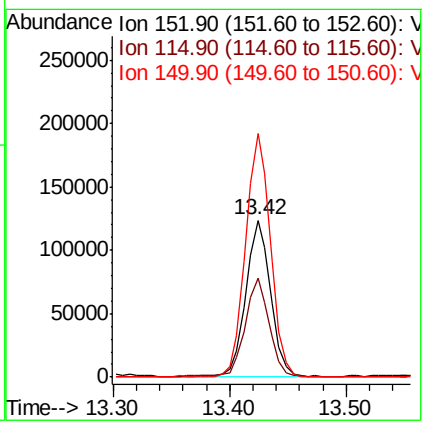


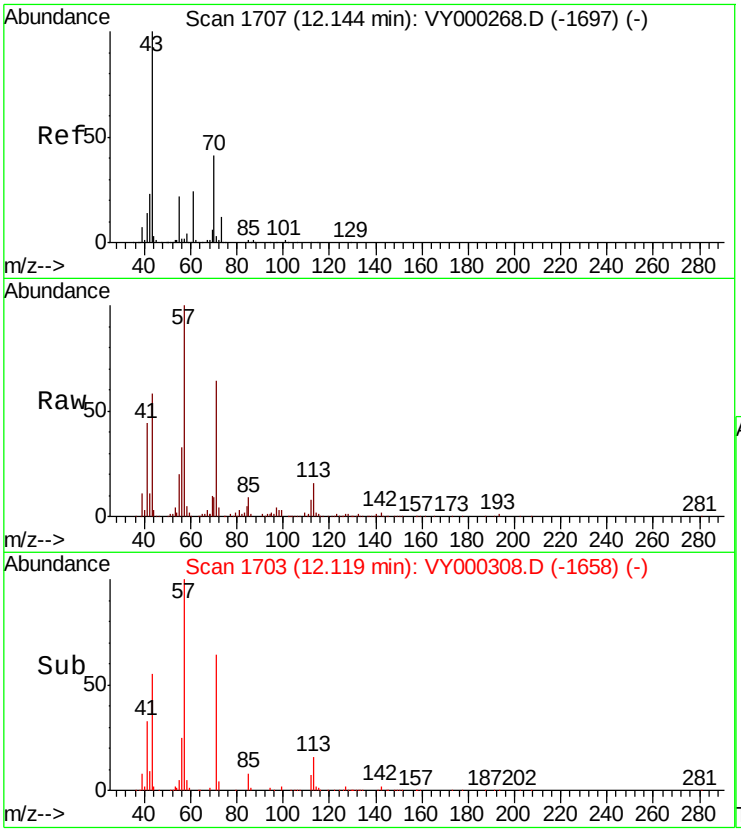


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion:152 Resp: 182188

Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.3	88.0
150	156.1	0.0	348.4



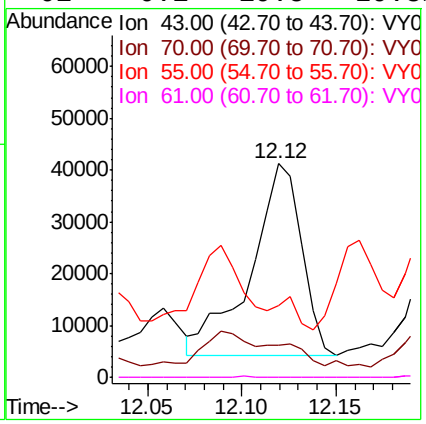


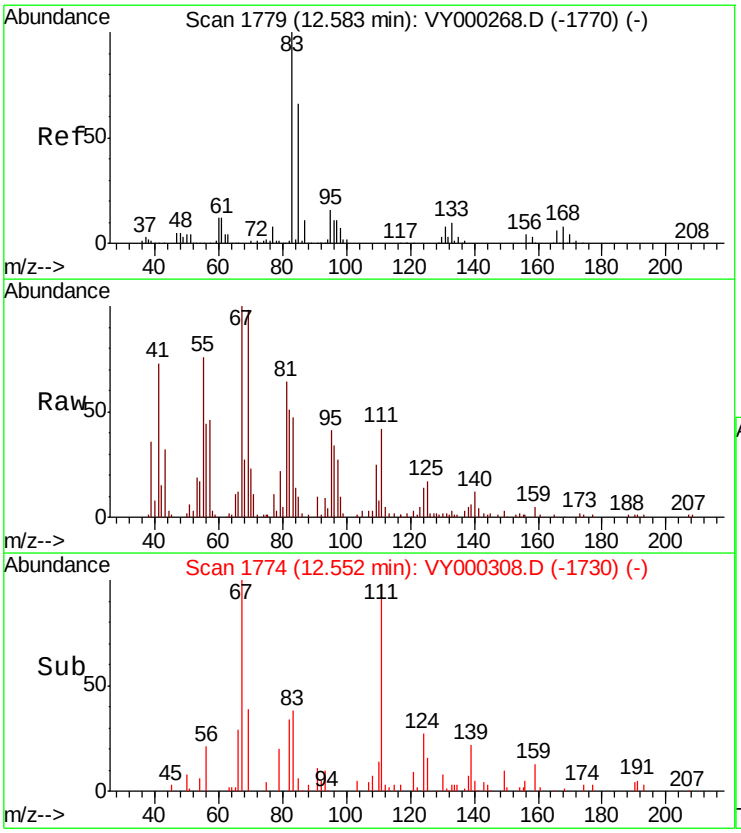
#74
N-amyl acetate
Concen: 19.793 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.02 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 69027

Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	0.0	17.8	26.6#
61	0.1	19.5	29.3#

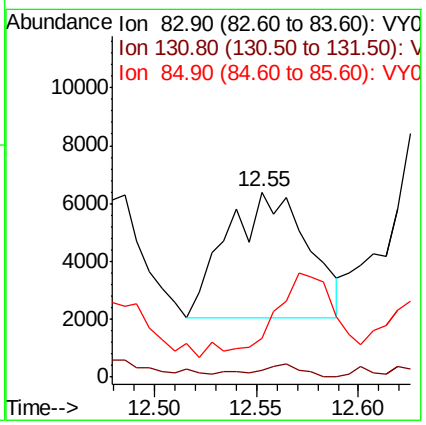


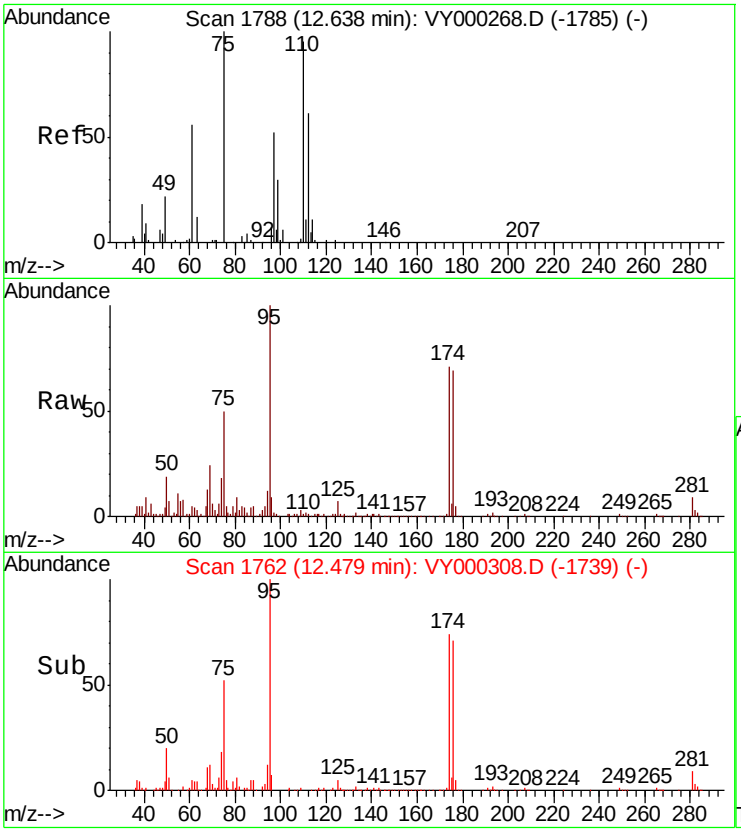


#75
1,1,2,2-Tetrachloroethane
Concen: 4.479 ug/l
RT: 12.55 min Scan# 1774
Delta R.T. -0.03 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 83 Resp: 11946

Ion	Ratio	Lower	Upper
83	100		
131	6.2	5.3	16.1
85	51.4	32.9	98.7



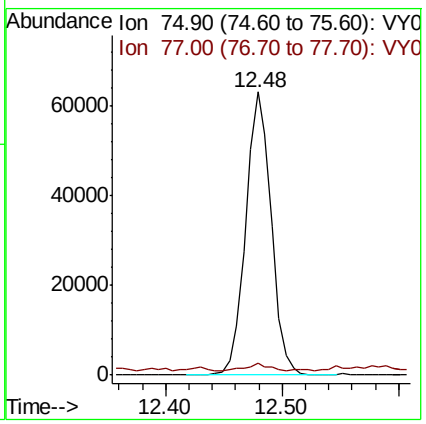


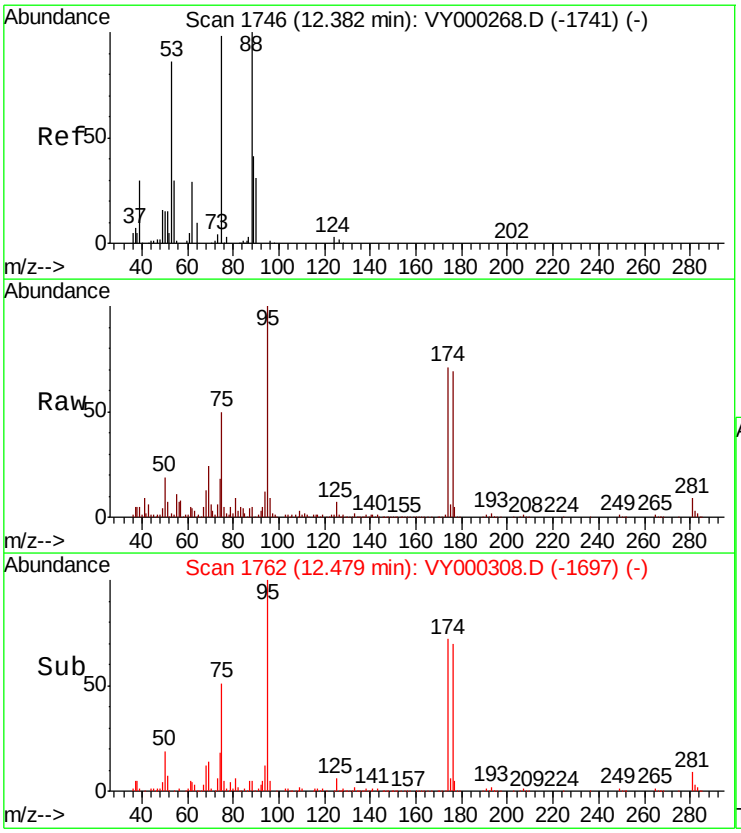
#76
1,2,3-Trichloropropane
Concen: 42.806 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 95897

Ion	Ratio	Lower	Upper
75	100		
77	2.5	0.0	0.0#

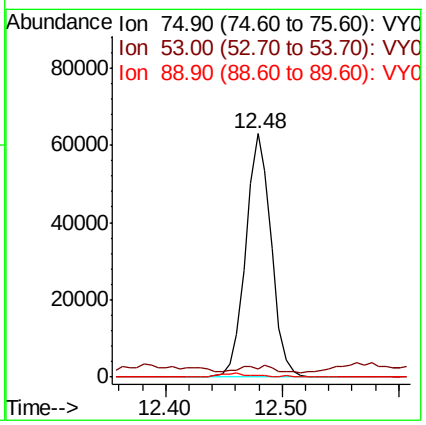


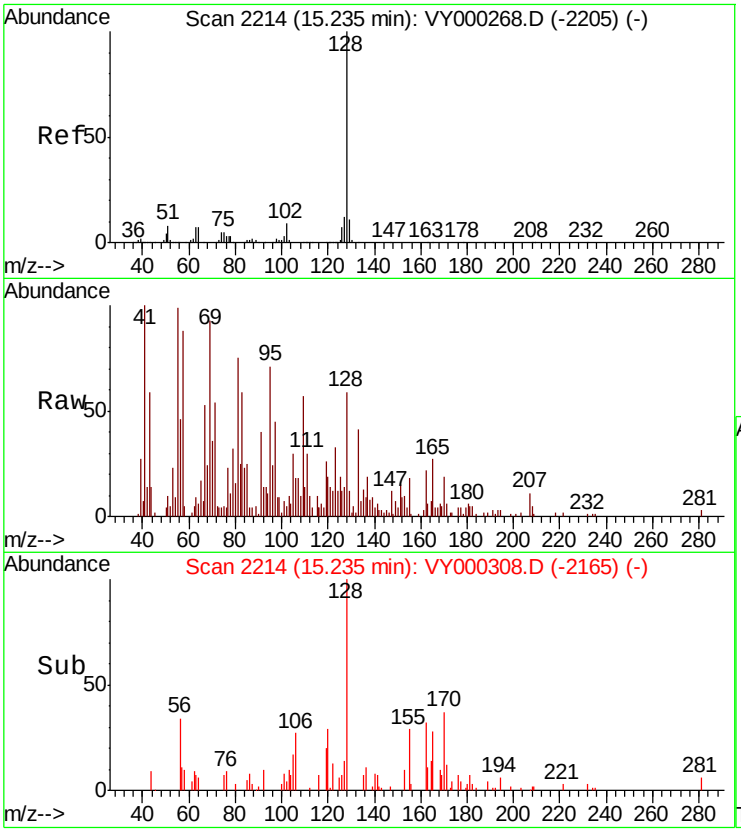


#81
trans-1,4-Dichloro-2-butene
Concen: 93.657 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Tgt Ion: 75 Resp: 95897

Ion	Ratio	Lower	Upper
75	100		
53	1.2	71.3	106.9#
89	2.2	35.1	52.7#





#95
Naphthalene
Concen: 1.115 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000308.D
Acq: 14 Oct 2019 18:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 9761

Ion	Ratio	Lower	Upper
128	100		
127	18.3	9.6	14.4#
129	11.0	8.7	13.1