Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

Quantitation Report (Not Reviewed)

Data File : VV009104.D
Acq On : 21 Dec 2018 01:04
Operator : SY/MD
Sample : J6468-16
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JH2

Quant Time: Dec 21 01:34:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114249	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	51905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	11792	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	36342	30.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 122.96%			
7) Chloroethane-d5	1.58	69	36839	42.18	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 168.72%#			
10) 1,1-Dichloroethene-d2	2.13	63	59456	20.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.44%			
20) 2-Butanone-d5	3.94	46	33466	77.75	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 155.50%#			
24) Chloroform-d	4.40	84	91375	33.27	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 133.08%			
26) 1,2-Dichloroethane-d4	5.08	65	46497	31.02	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 124.08%			
29) Benzene-d6	5.10	84	162824	56.17	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 224.68%#			
33) 1,2-Dichloropropane-d6	6.12	67	60360	74.37	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 297.48%#			
37) Toluene-d8	7.36	98	105458	39.31	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 157.24%#			
38) trans-1,3-Dichloropropene-	7.66	79	7926	22.23	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.92%			
39) 2-Hexanone-d5	8.14	63	17257	116.07	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 232.14%#			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49274	72.38	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 289.52%#			
61) 1,2-Dichlorobenzene-d4	11.68	152	17183	38.83	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 155.32%#			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	697	0.542	ug/L	89
5) Vinyl chloride	1.32	62	396457	275.955	ug/L	98
12) 1,1-Dichloroethene	2.14	96	3676	2.496	ug/L #	1
13) Acetone	2.20	43	26187	41.292	ug/L	98
14) Carbon disulfide	2.32	76	6066	1.283	ug/L	99
15) Methyl Acetate	2.46	43	726	0.903	ug/L #	63
16) Methylene chloride	2.53	84	4951	2.573	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	138933	87.302	ug/L	97
21) 2-Butanone	4.02	43	6472	10.888	ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	852319	513.651	ug/L	98
25) Chloroform	4.43	83	3165	1.143	ug/L #	29
34) Benzene	5.15	78	12239	3.936	ug/L	100
35) Trichloroethene	5.96	95	250774	267.482	ug/L	98
36) Methylcyclohexane	6.17	83	1896	1.268	ug/L #	1
43) 4-Methyl-2-pentanone	7.28	43	1051	2.083	ug/L #	81
44) Toluene	7.43	91	78853	24.178	ug/L	100
47) Tetrachloroethene	8.02	164	2238	2.935	ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

Quantitation Report (Not Reviewed)

Data File : VV009104.D
Acq On : 21 Dec 2018 01:04
Operator : SY/MD
Sample : J6468-16
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JH2

Quant Time: Dec 21 01:34:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 2-Hexanone	8.19	43	4818	11.544	ug/L	#	79
50) Dibromochloromethane	8.02	129	2003	2.810	ug/L	#	11
53) Ethylbenzene	9.06	91	5888	1.664	ug/L		98
54) m,p-Xylene	9.18	106	5212	3.891	ug/L		90
55) o-xylene	9.59	106	3538	2.843	ug/L		100
56) Styrene	9.61	104	724	0.361	ug/L		86
57) Isopropylbenzene	9.98	105	2545	0.752	ug/L	#	86
58) 1,1,2,2-Tetrachloroethane	10.29	83	22197	33.017	ug/L	#	38
59) 1,2,3-Trichloropropane	10.42	75	276	0.474	ug/L	#	1
63) 1,3-Dichlorobenzene	11.24	146	376	0.495	ug/L	#	1
64) 1,4-Dichlorobenzene	11.32	146	342	0.437	ug/L	#	1
65) 1,2-Dichlorobenzene	11.70	146	399	0.570	ug/L	#	1
67) 1,3,5-Trichlorobenzene	12.70	180	377	0.687	ug/L	#	20
68) 1,2,4-trichlorobenzene	13.32	180	204	0.530	ug/L	#	19
69) Naphthalene	13.55	128	886	1.338	ug/L	#	70
70) 1,2,3-Trichlorobenzene	13.79	180	234	0.659	ug/L	#	77

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

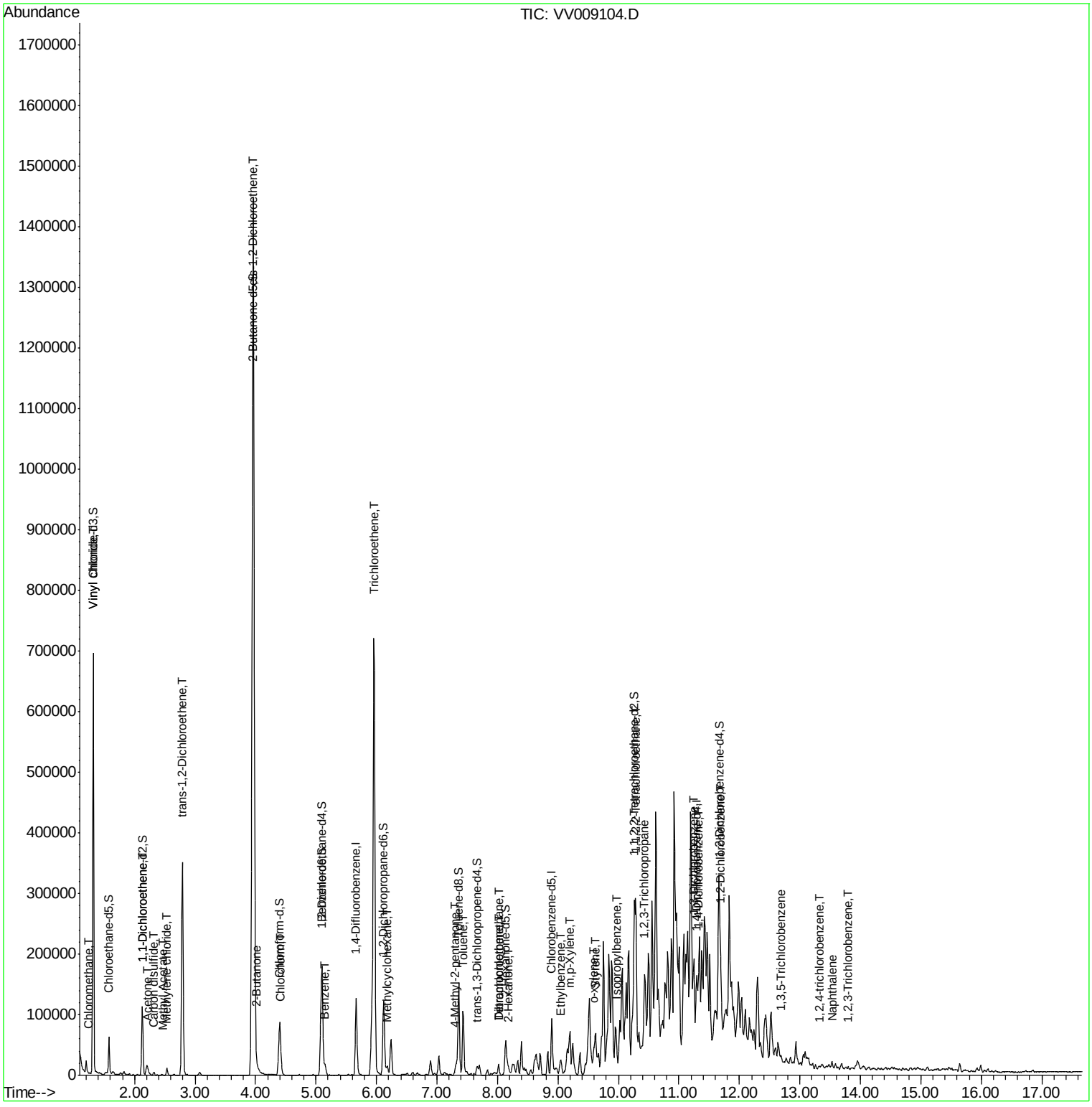
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\

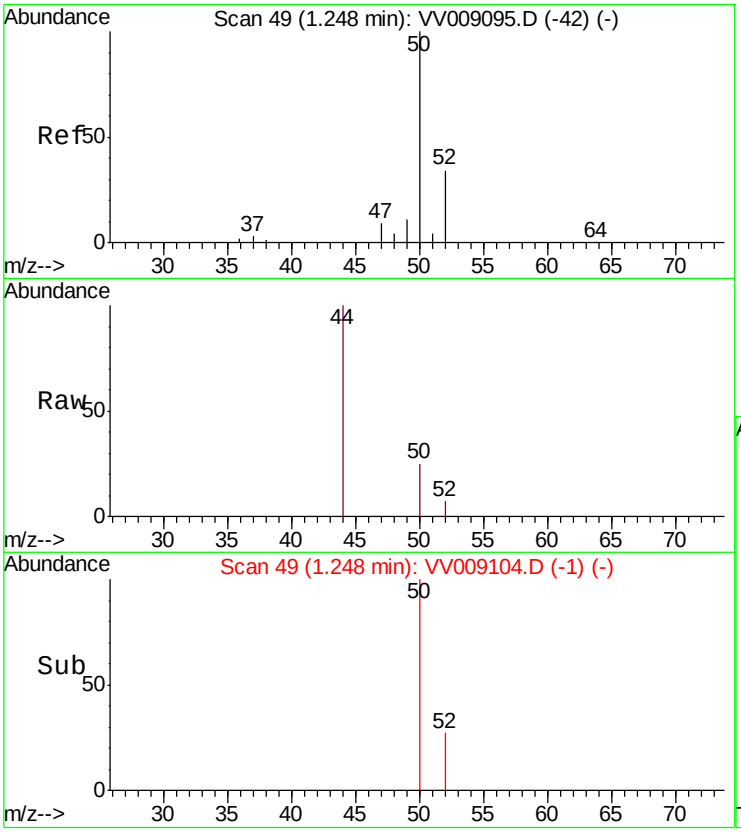
Quantitation Report (Not Reviewed)

Data File : VV009104.D
Acq On : 21 Dec 2018 01:04
Operator : SY/MD
Sample : J6468-16
Misc : 5.00 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Quant Time: Dec 21 01:34:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration



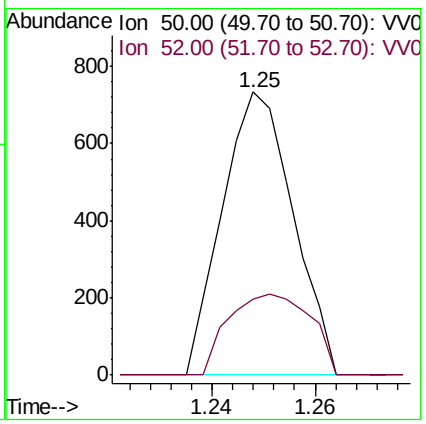


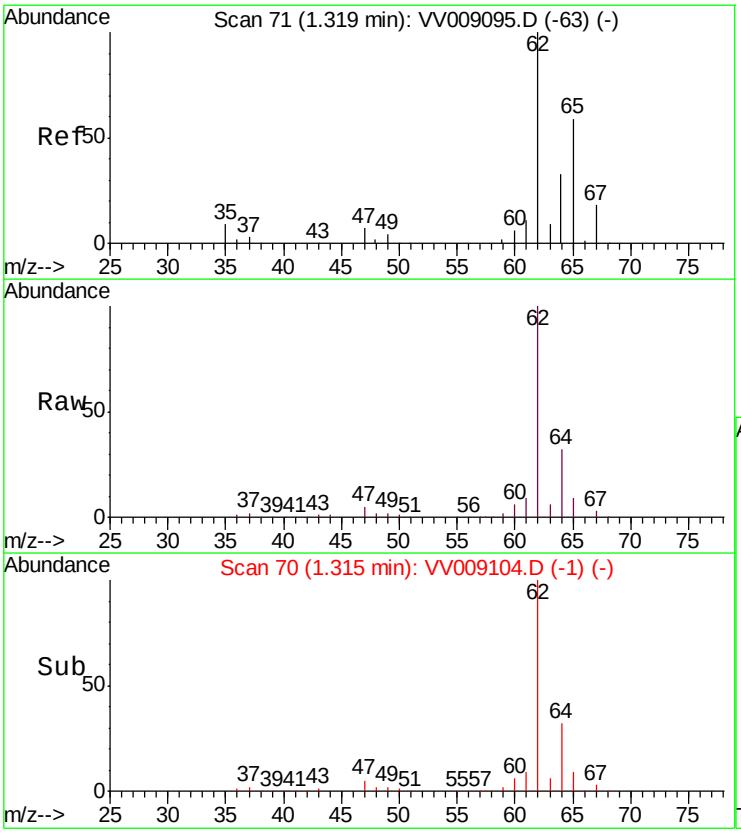
#3
Chloromethane
Concen: 0.542 ug/L
RT: 1.25 min Scan# 49
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion: 50 Resp: 697

Ion	Ratio	Lower	Upper
50	100		
52	26.9	23.2	43.2

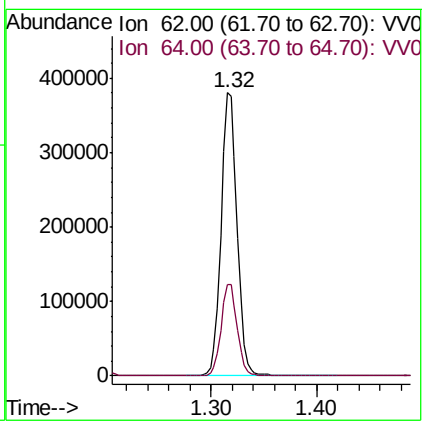


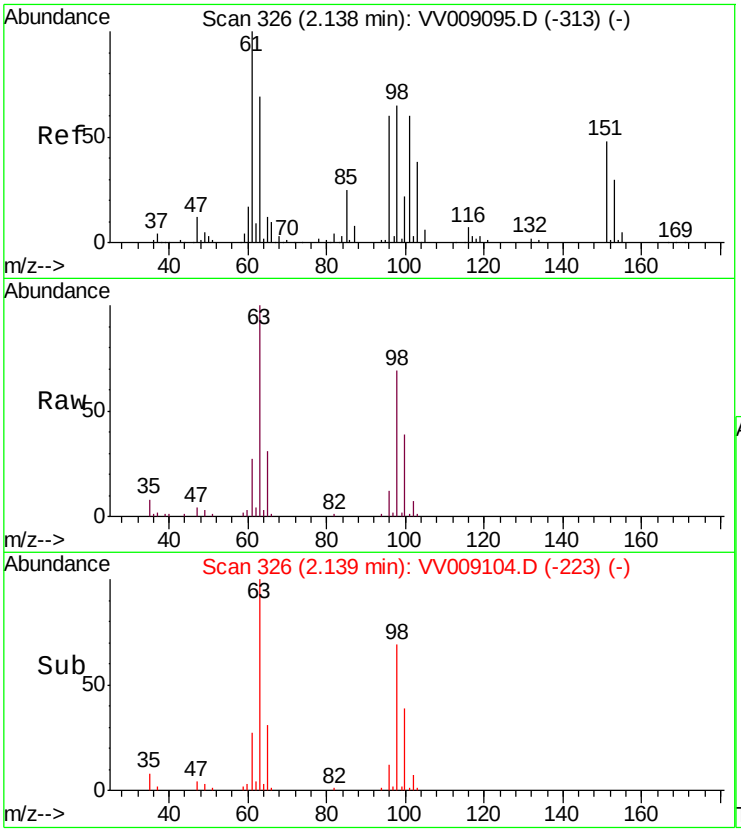


#5
Vinyl chloride
Concen: 275.955 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 62 Resp: 396457

Ion	Ratio	Lower	Upper
62	100		
64	32.4	23.3	43.3



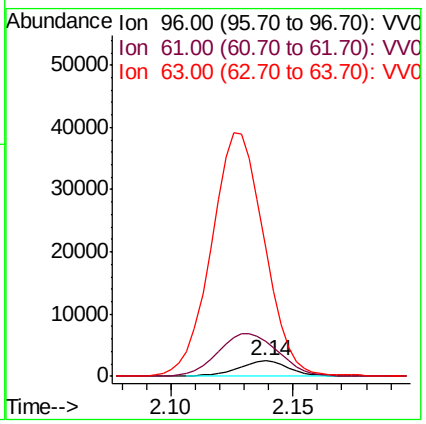


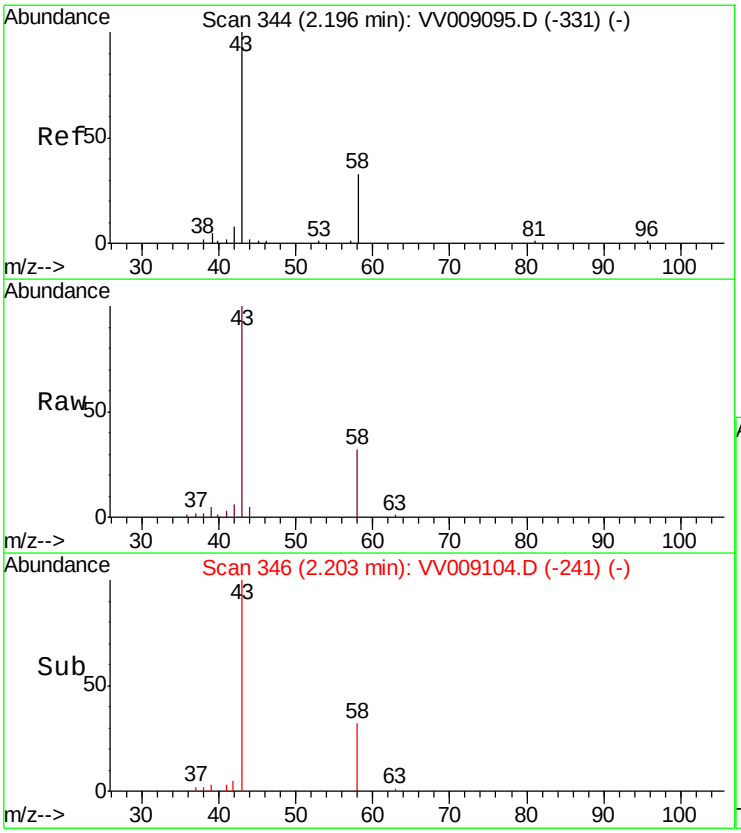
#12
1,1-Dichloroethene
Concen: 2.496 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion: 96 Resp: 3676

Ion	Ratio	Lower	Upper
96	100		
61	223.1	114.0	211.6#
63	826.9	82.4	153.0#

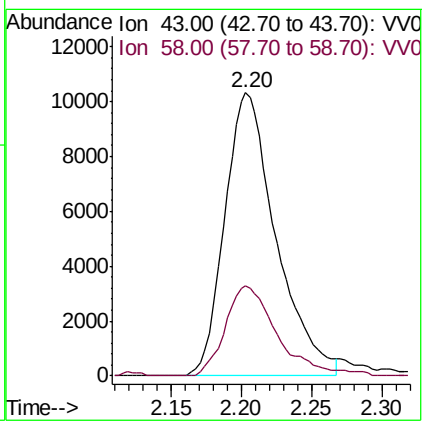


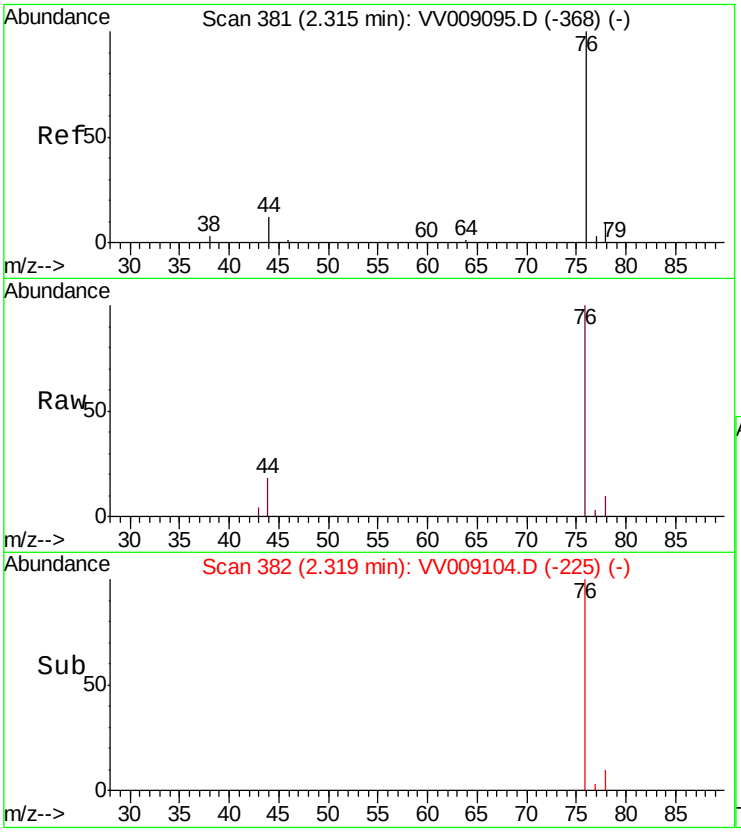


#13
Acetone
Concen: 41.292 ug/L
RT: 2.20 min Scan# 346
Delta R.T. 0.01 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 43 Resp: 26187

Ion	Ratio	Lower	Upper
43	100		
58	31.4	0.0	65.4



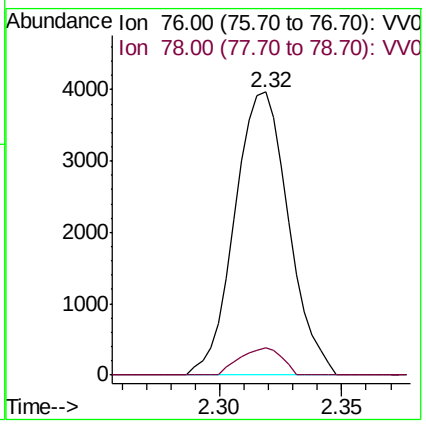


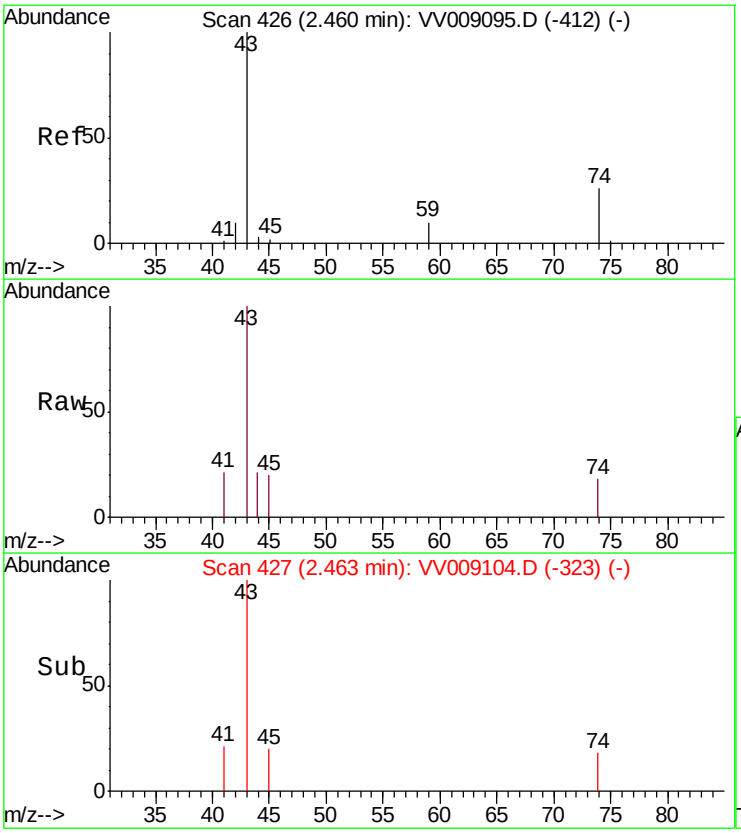
#14
Carbon disulfide
Concen: 1.283 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion: 76 Resp: 6066

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

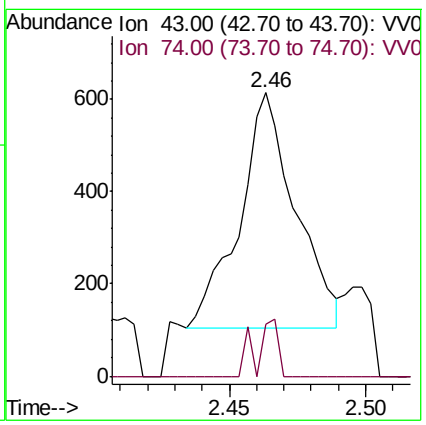


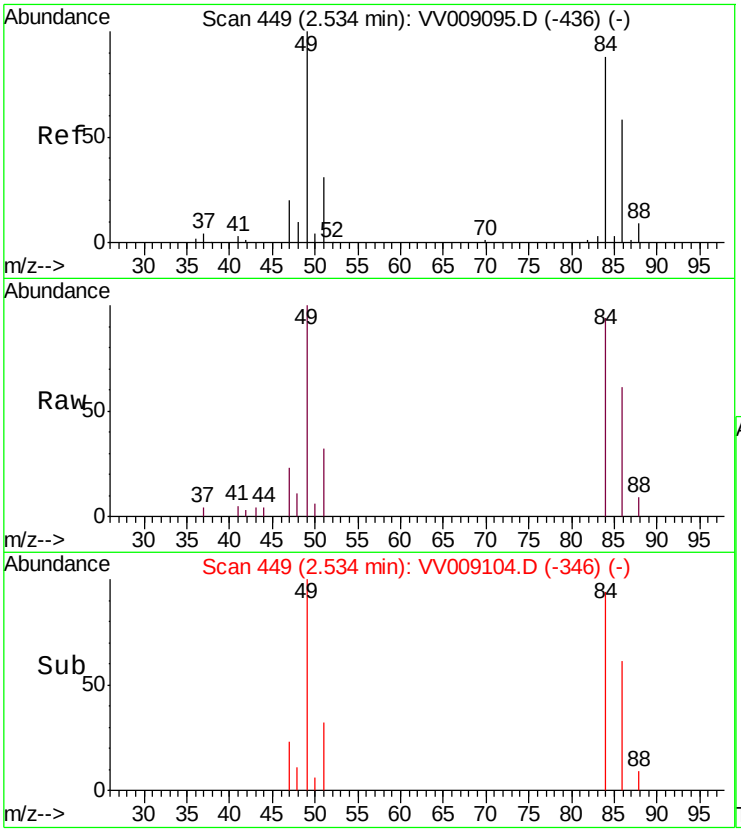


#15
Methyl Acetate
Concen: 0.903 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 43 Resp: 726

Ion	Ratio	Lower	Upper
43	100		
74	6.3	19.7	29.5#



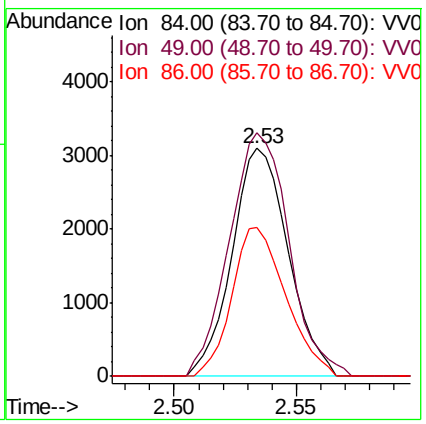


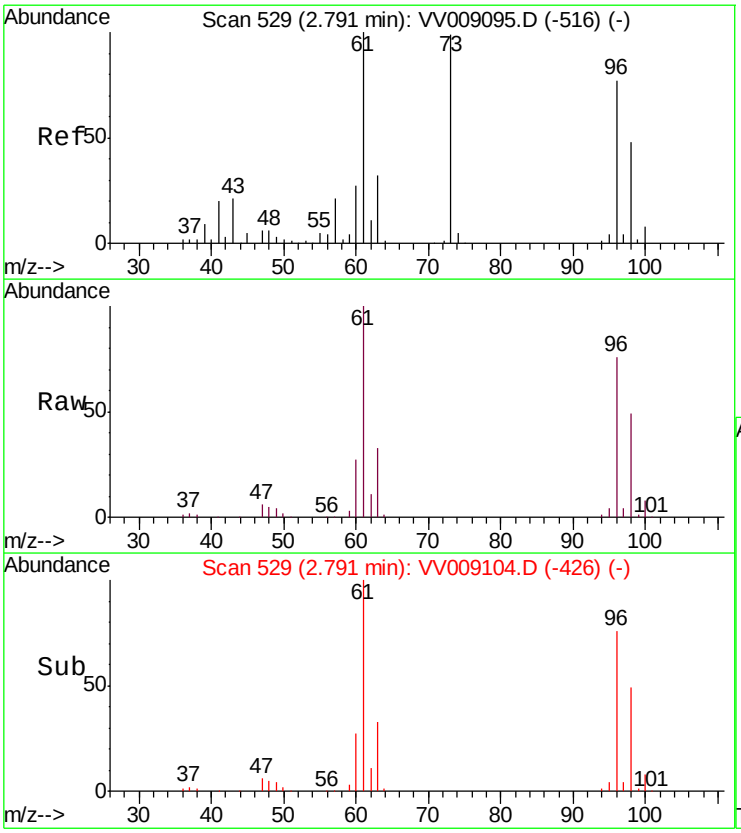
#16
Methylene chloride
Concen: 2.573 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion: 84 Resp: 4951

Ion	Ratio	Lower	Upper
84	100		
49	106.7	80.5	149.5
86	65.4	45.5	84.5

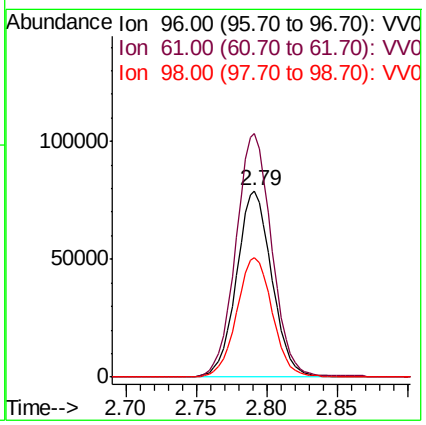


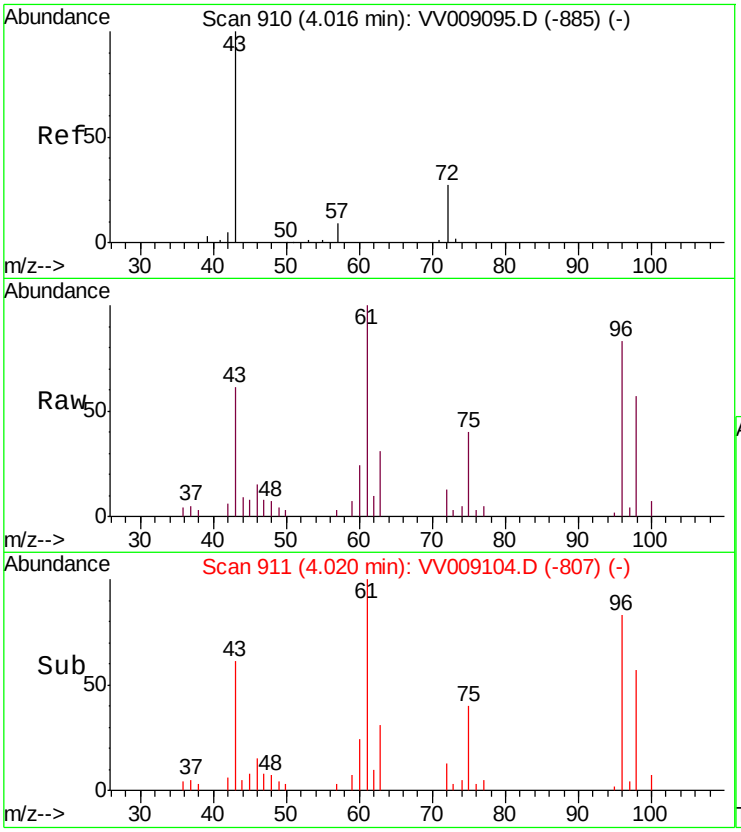


#18
trans-1,2-Dichloroethene
Concen: 87.302 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 96 Resp: 138933

Ion	Ratio	Lower	Upper
96	100		
61	130.9	94.6	175.8
98	64.5	45.3	84.1



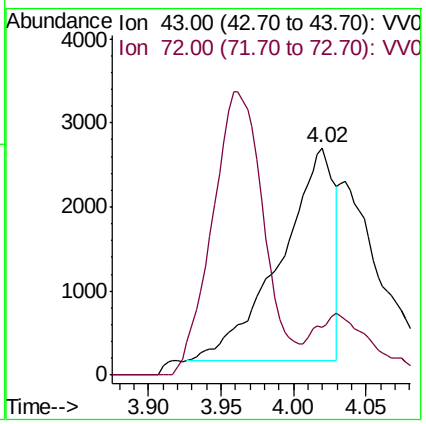


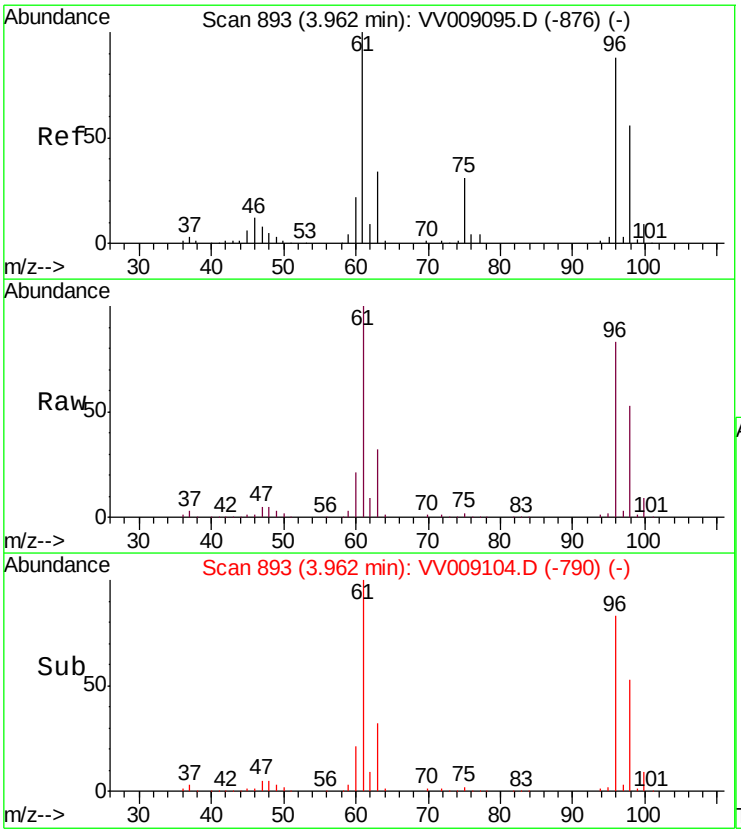
#21
2-Butanone
Concen: 10.888 ug/L
RT: 4.02 min Scan# 911
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion: 43 Resp: 6472

Ion	Ratio	Lower	Upper
43	100		
72	19.2	13.7	41.1

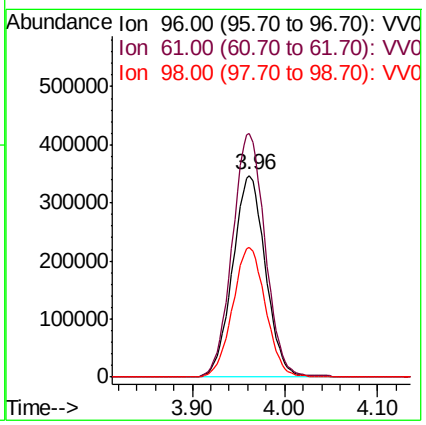


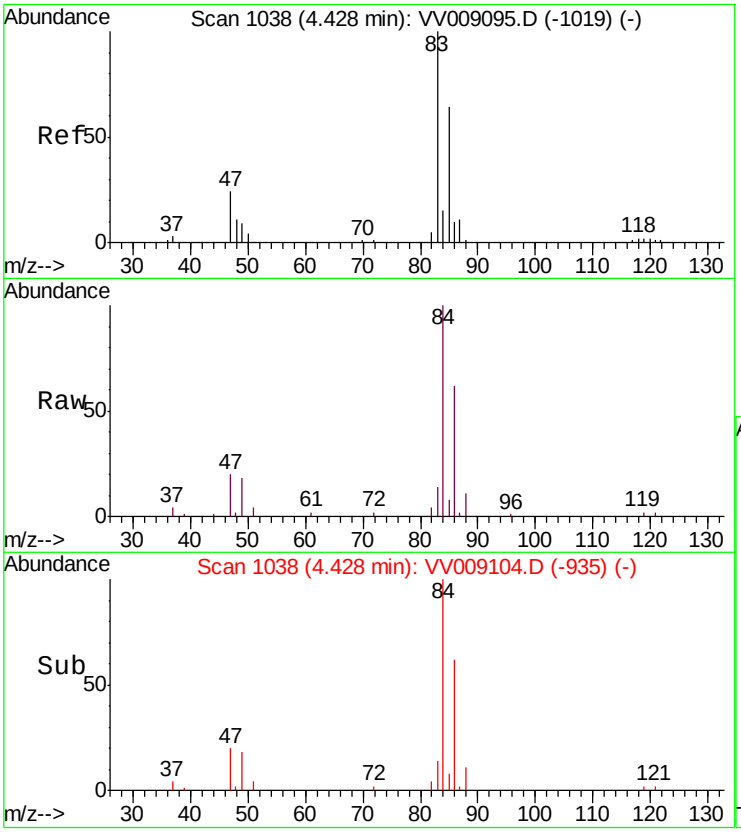


#22
cis-1,2-Dichloroethene
Concen: 513.651 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 96 Resp: 852319

Ion	Ratio	Lower	Upper
96	100		
61	120.8	86.2	160.0
98	64.3	45.6	84.6



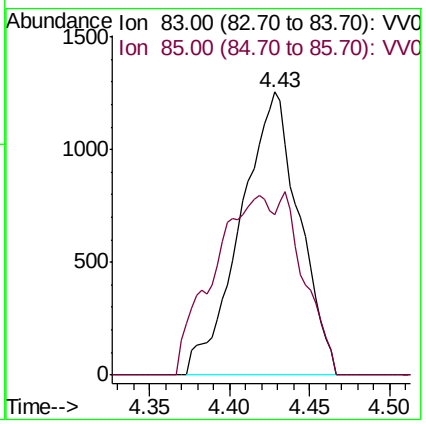


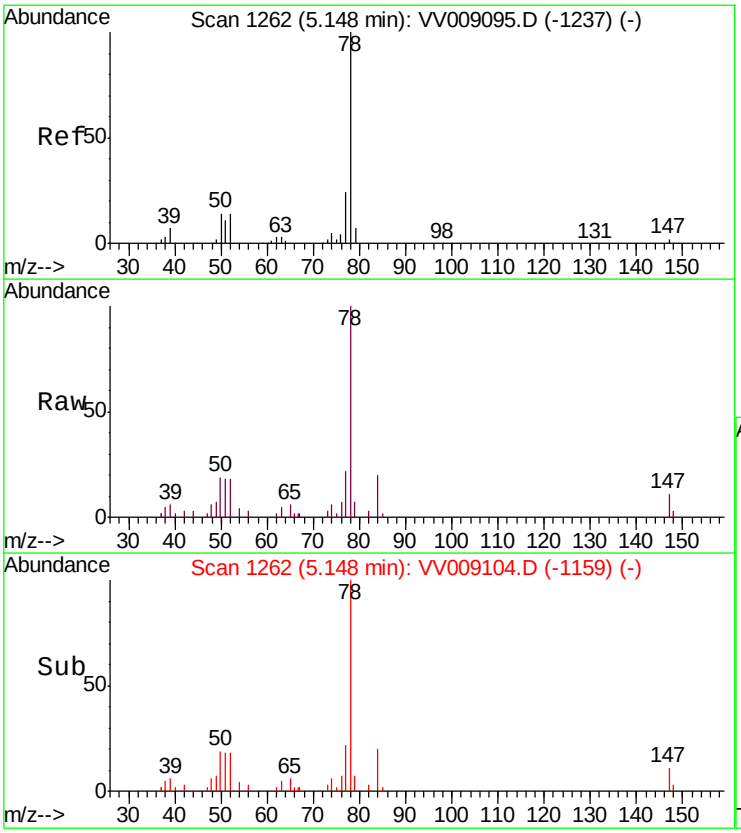
#25
Chloroform
Concen: 1.143 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion: 83 Resp: 3165

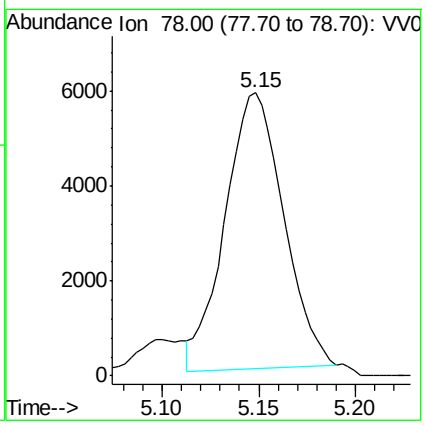
Ion	Ratio	Lower	Upper
83	100		
85	8.7	45.6	84.8#

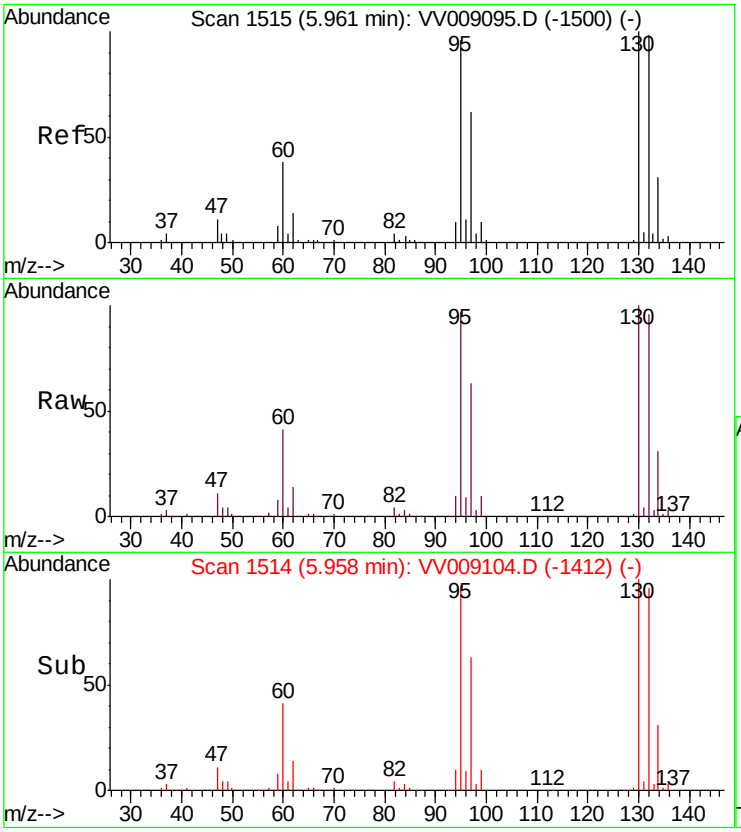




#34
Benzene
Concen: 3.936 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 78 Resp: 12239



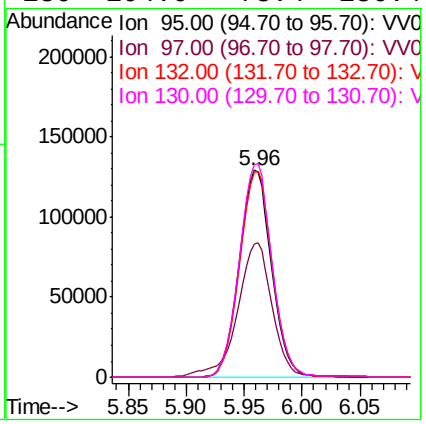


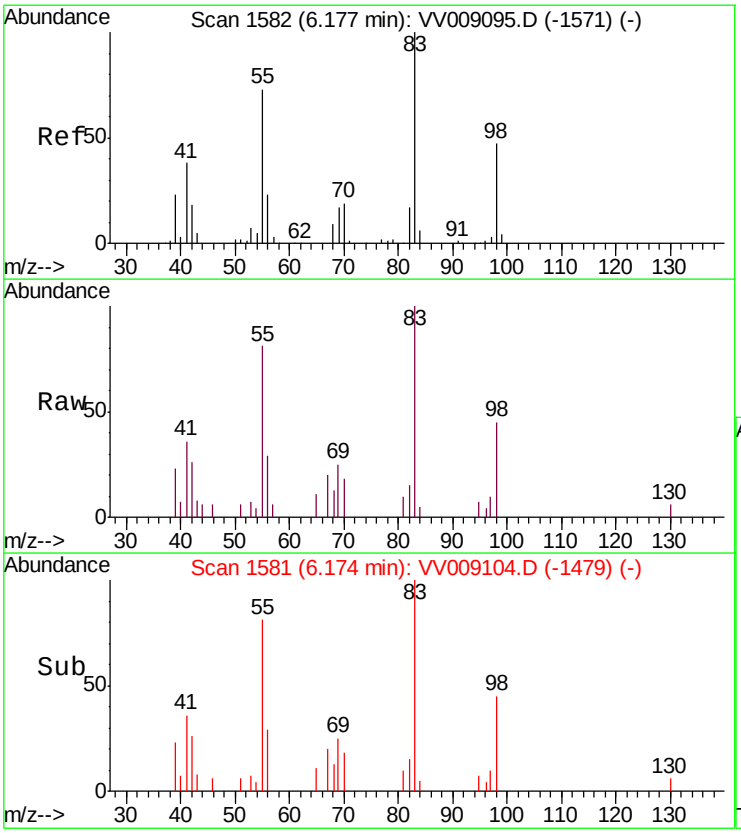
#35
Trichloroethene
Concen: 267.482 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion: 95 Resp: 250774

Ion	Ratio	Lower	Upper
95	100		
97	69.5	45.3	84.1
132	101.1	70.0	130.0
130	104.0	73.4	136.4

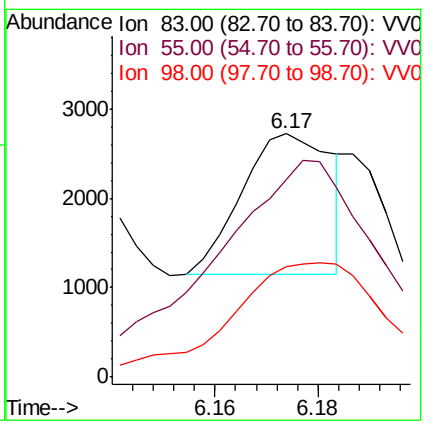


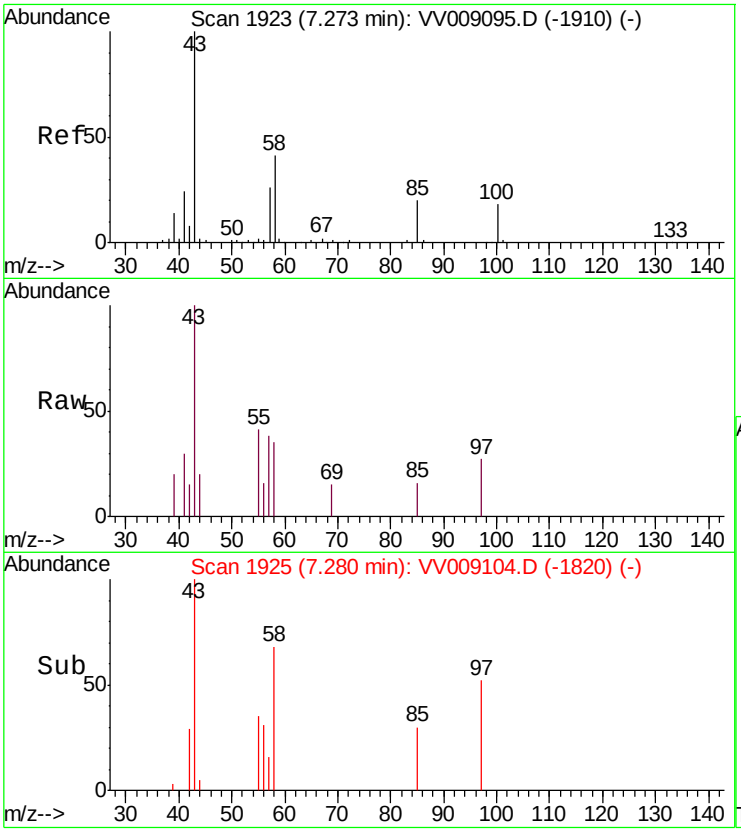


#36
Methylcyclohexane
Concen: 1.268 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 83 Resp: 1896

Ion	Ratio	Lower	Upper
83	100		
55	282.4	58.2	87.2#
98	143.6	37.8	56.8#



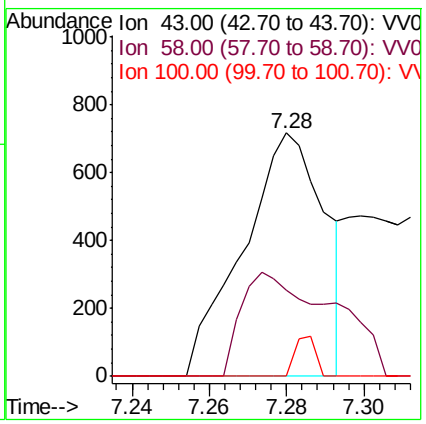


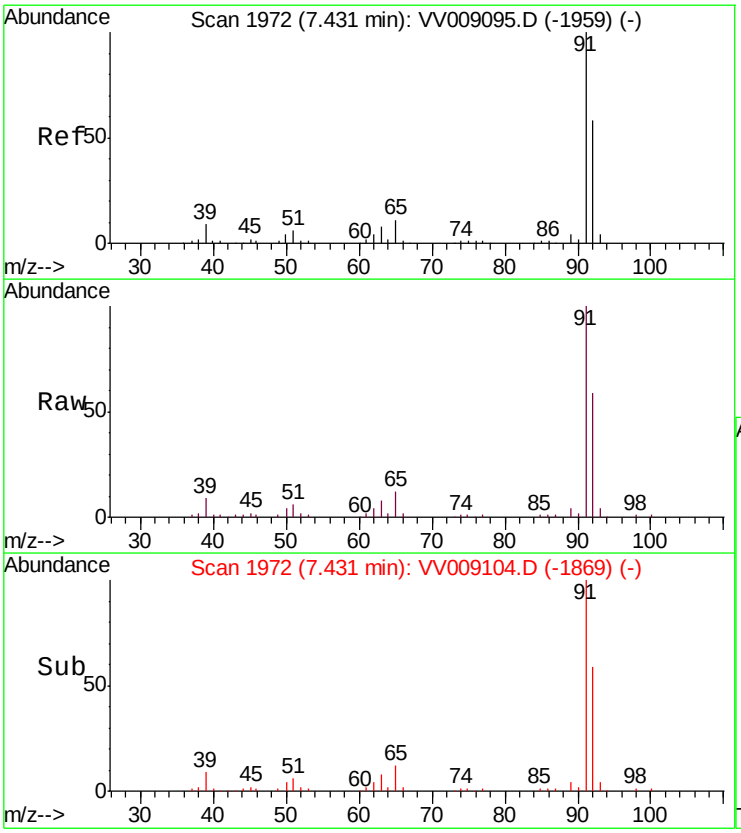
#43
4-Methyl-2-pentanone
Concen: 2.083 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion: 43 Resp: 1051

Ion	Ratio	Lower	Upper
43	100		
58	31.6	32.2	48.4#
100	4.2	13.8	20.8#

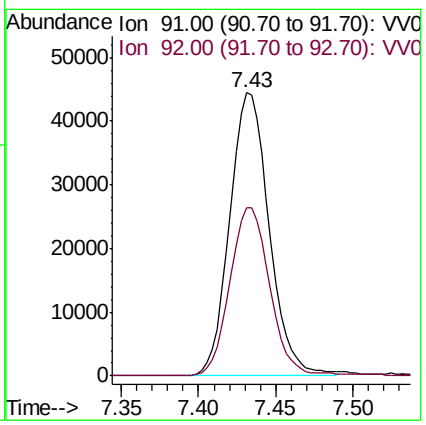


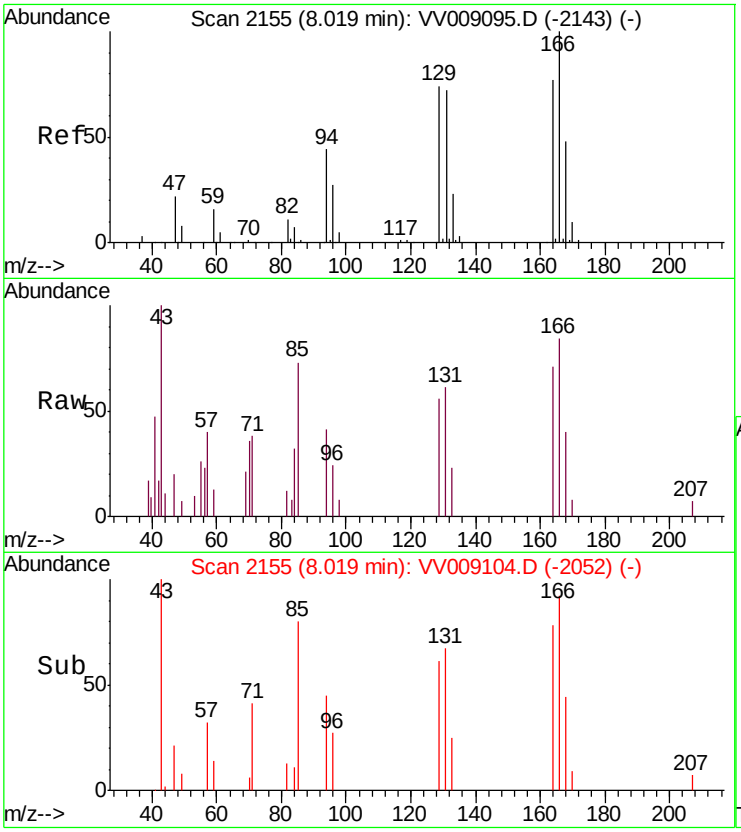


#44
Toluene
Concen: 24.178 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 91 Resp: 78853

Ion	Ratio	Lower	Upper
91	100		
92	59.5	41.7	77.5



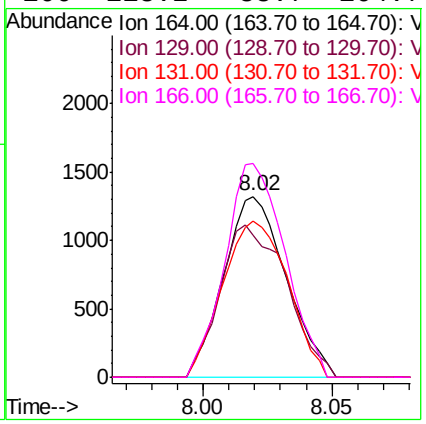


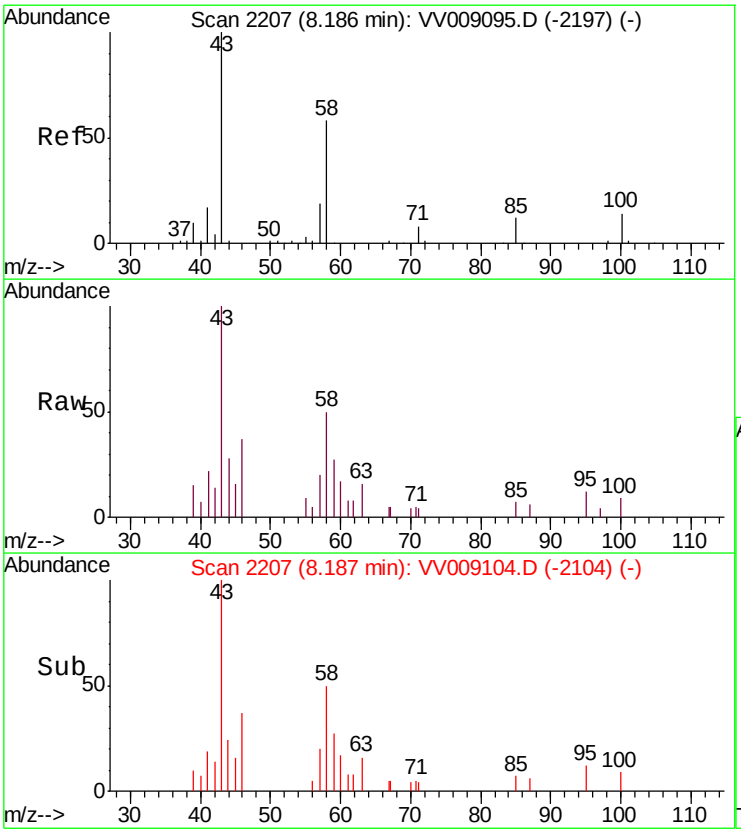
#47
Tetrachloroethene
Concen: 2.935 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion:164 Resp: 2238

Ion	Ratio	Lower	Upper
164	100		
129	78.5	64.6	120.0
131	86.3	64.5	119.7
166	118.2	88.7	164.7

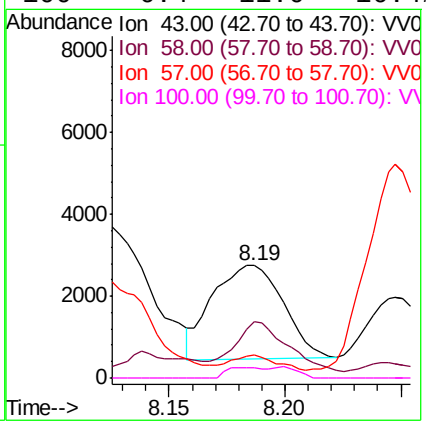


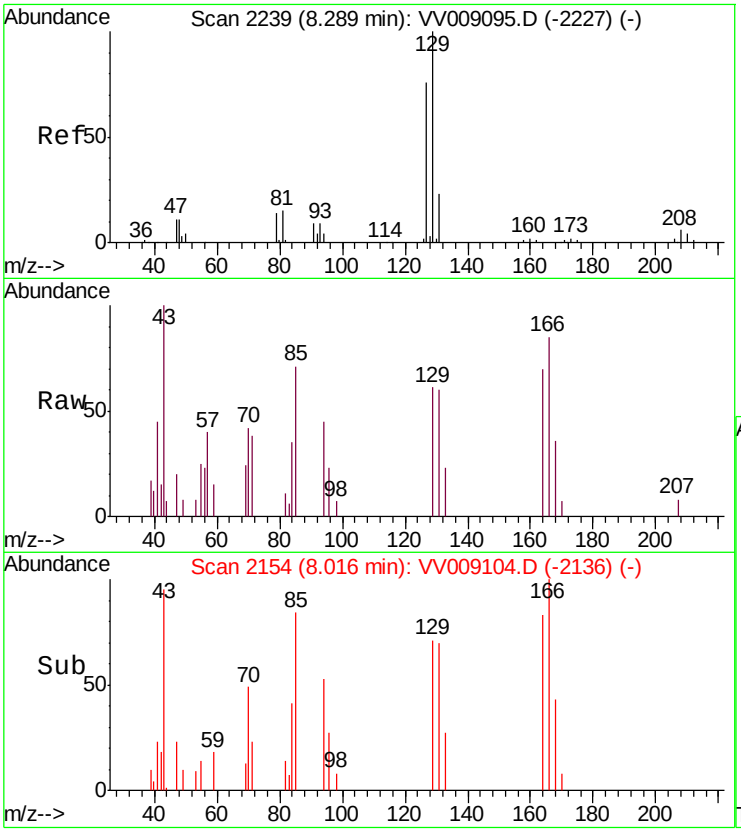


#49
2-Hexanone
Concen: 11.544 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 43 Resp: 4818

Ion	Ratio	Lower	Upper
43	100		
58	38.9	43.9	65.9#
57	9.9	15.7	23.5#
100	6.4	11.0	16.4#



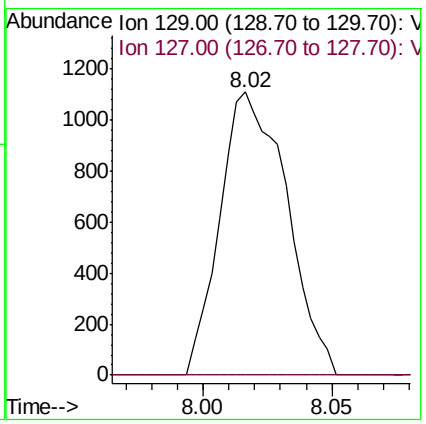


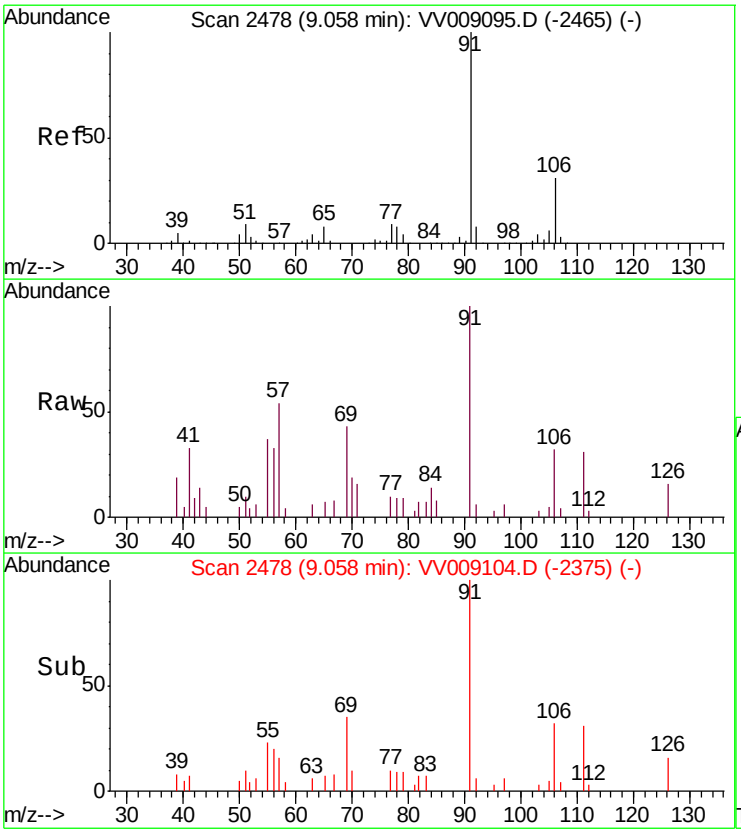
#50
Dibromochloromethane
Concen: 2.810 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion:129 Resp: 2003

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#

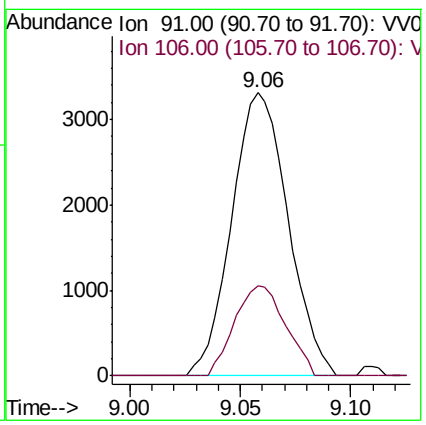


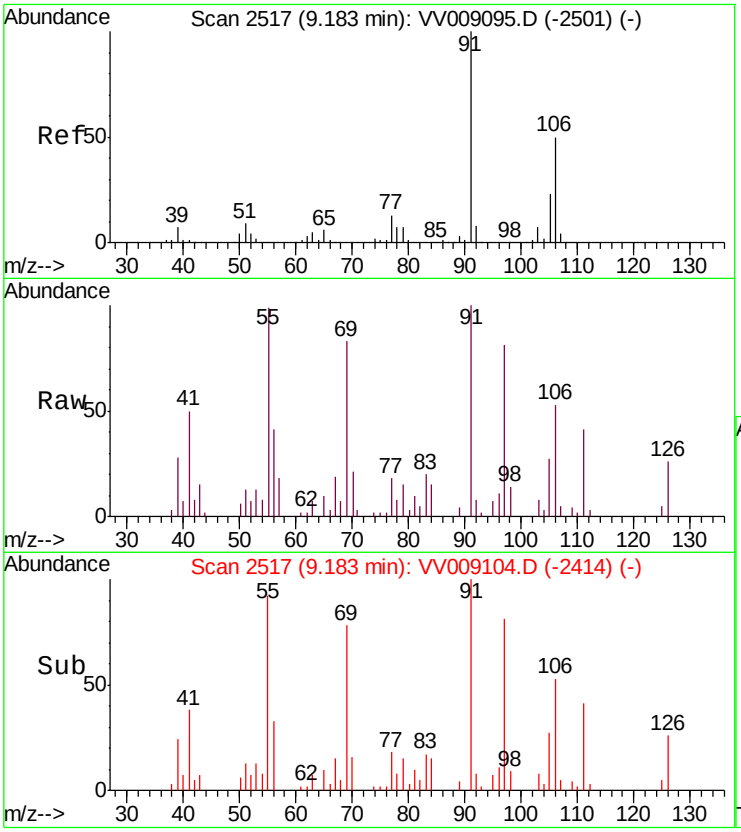


#53
Ethylbenzene
Concen: 1.664 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 91 Resp: 5888

Ion	Ratio	Lower	Upper
91	100		
106	31.7	21.3	39.5



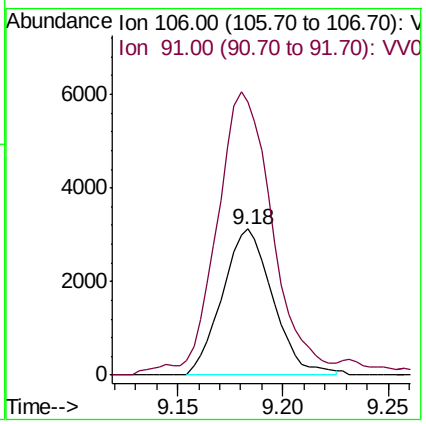


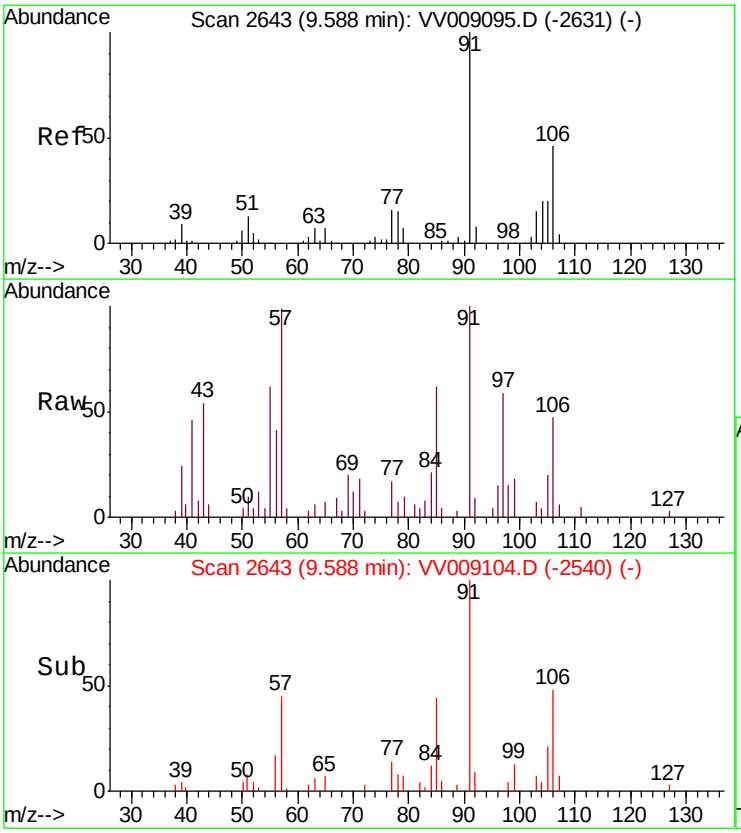
#54
m,p-Xylene
Concen: 3.891 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion:106 Resp: 5212

Ion	Ratio	Lower	Upper
106	100		
91	187.0	141.3	262.3

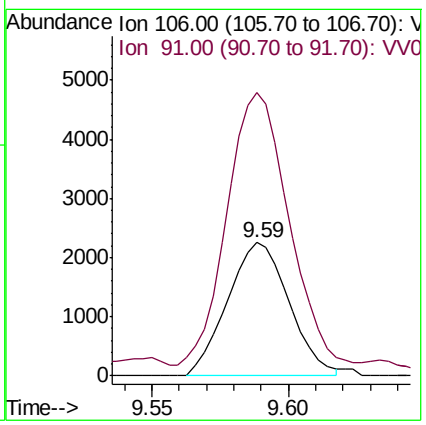


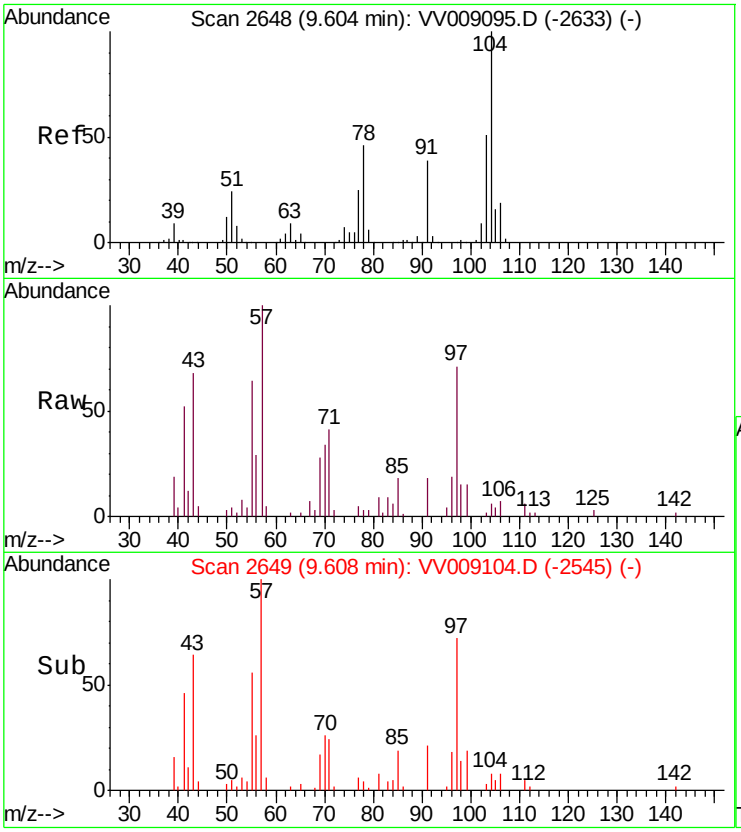


#55
o-xylene
Concen: 2.843 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:106 Resp: 3538

Ion	Ratio	Lower	Upper
106	100		
91	212.3	148.3	275.5



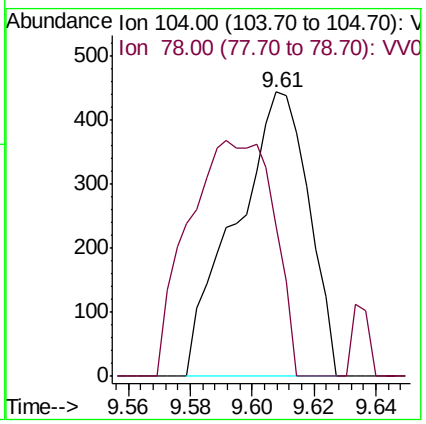


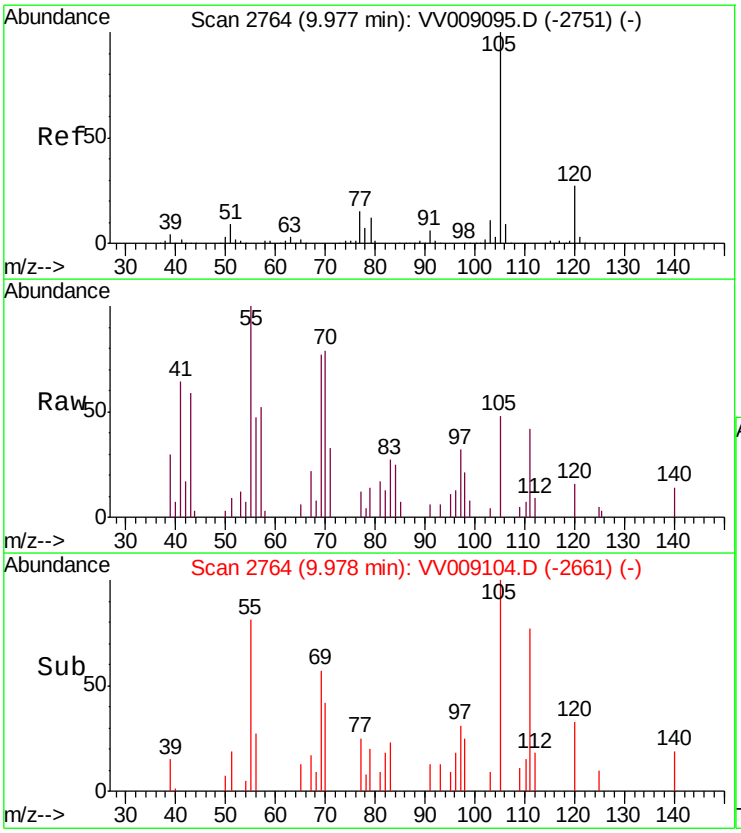
#56
Styrene
Concen: 0.361 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion:104 Resp: 724

Ion	Ratio	Lower	Upper
104	100		
78	52.8	30.6	56.8

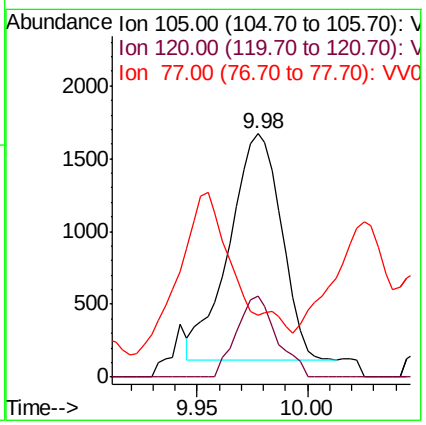


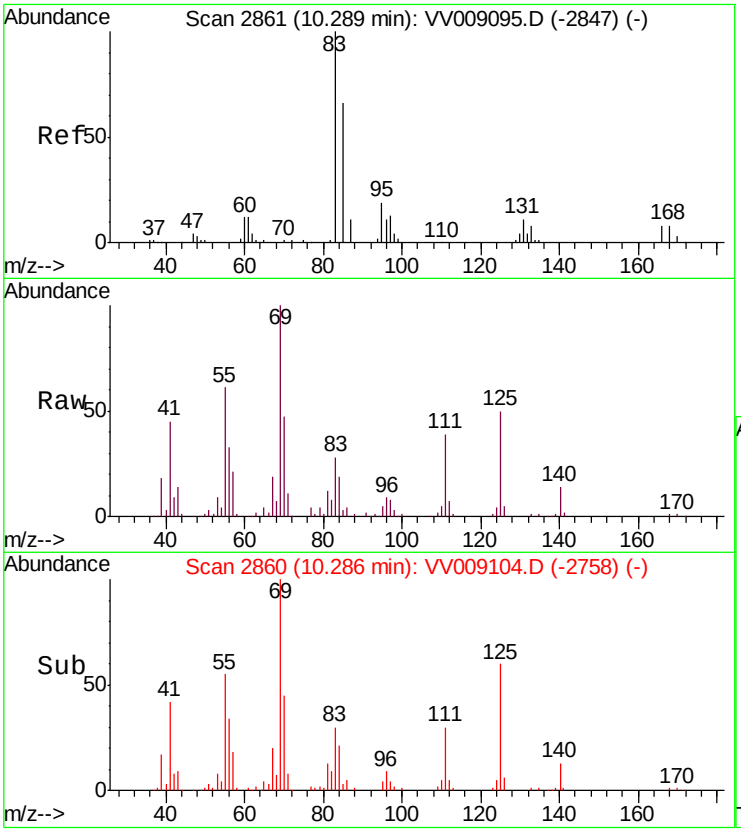


#57
Isopropylbenzene
Concen: 0.752 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:105 Resp: 2545

Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.7	32.5
77	0.0	12.4	18.6#



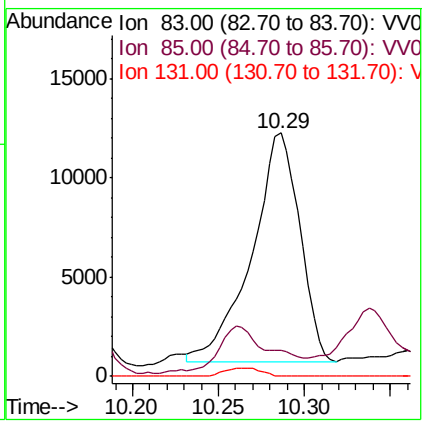


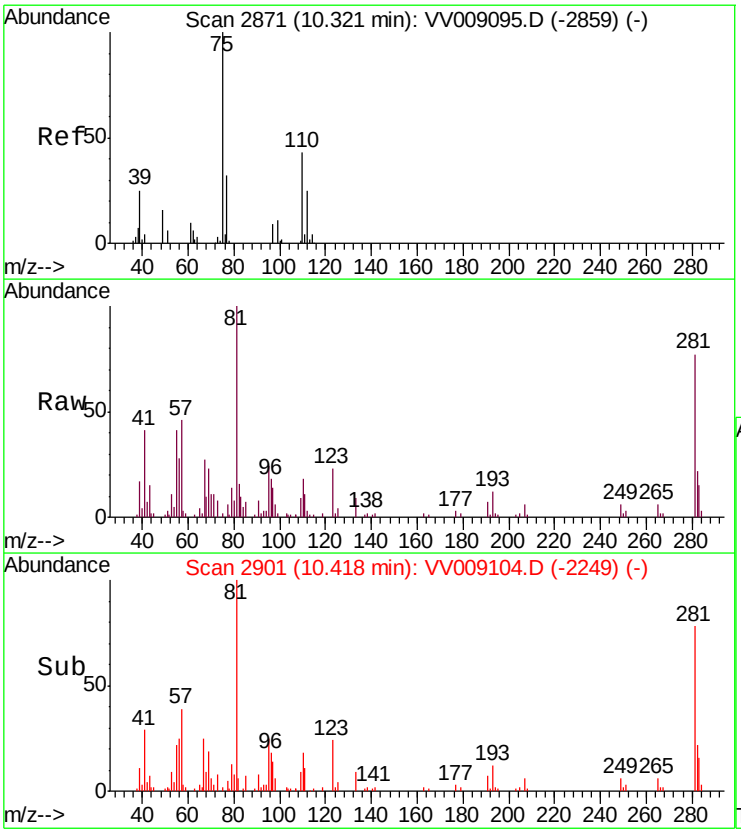
#58
1,1,2,2-Tetrachloroethane
Concen: 33.017 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument : MSVOA_V
ClientSampleId : C0JH2

Tgt Ion: 83 Resp: 22197

Ion	Ratio	Lower	Upper
83	100		
85	10.9	44.3	82.3#
131	0.0	7.8	11.8#

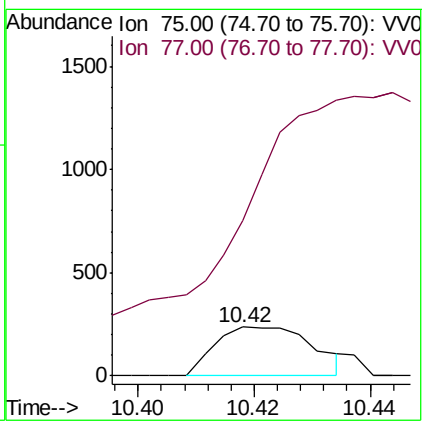


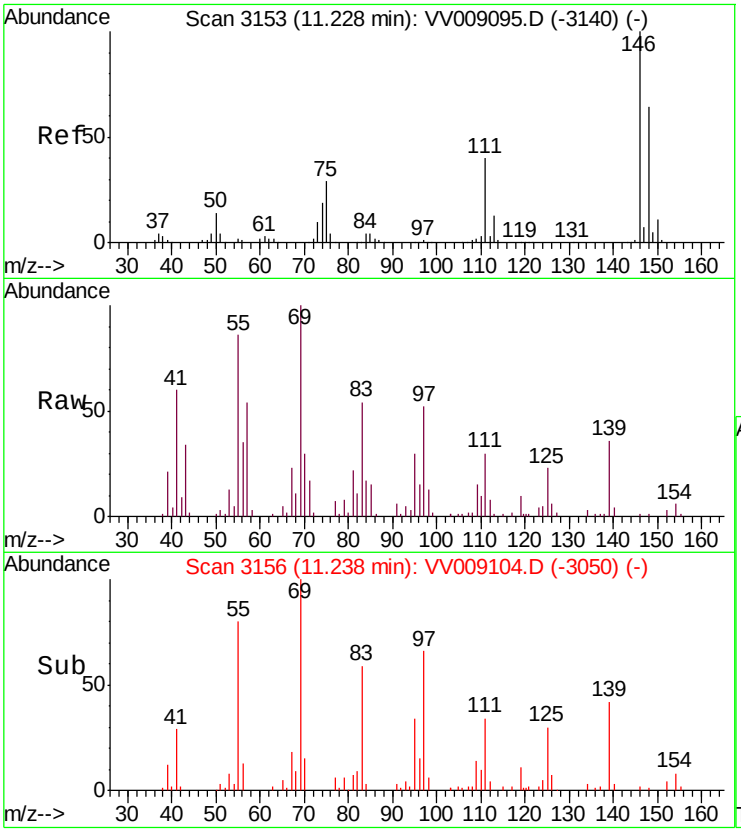


#59
1,2,3-Trichloropropane
Concen: 0.474 ug/L
RT: 10.42 min Scan# 2901
Delta R.T. 0.10 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion: 75 Resp: 276

Ion	Ratio	Lower	Upper
75	100		
77	988.4	25.6	38.4#



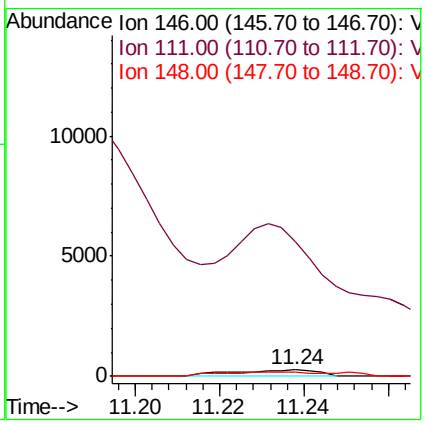


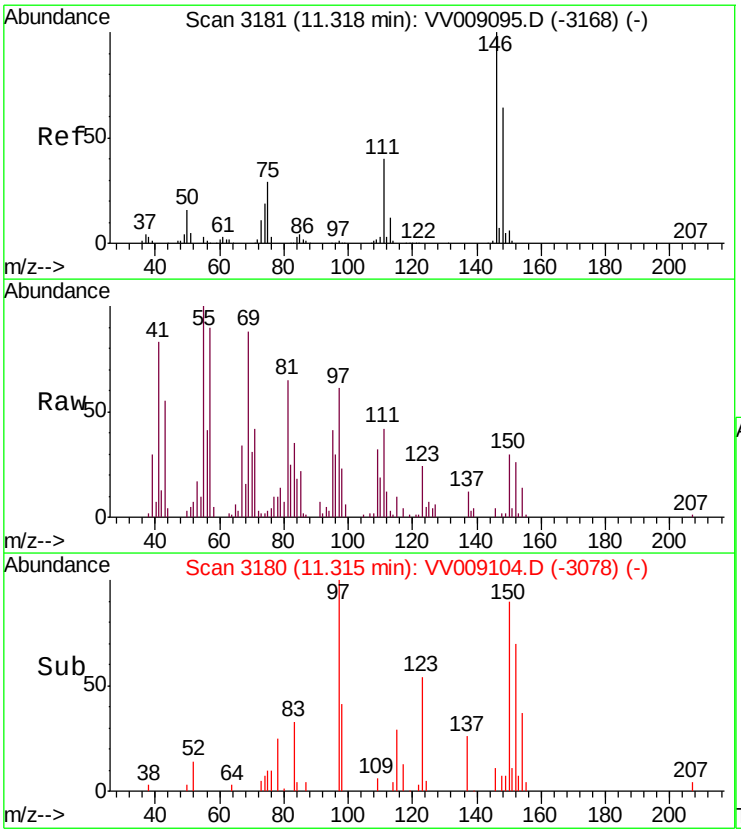
#63
1,3-Dichlorobenzene
Concen: 0.495 ug/L
RT: 11.24 min Scan# 3156
Delta R.T. 0.01 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion:146 Resp: 376

Ion	Ratio	Lower	Upper
146	100		
111	2139.5	27.5	51.1#
148	57.4	44.0	81.8

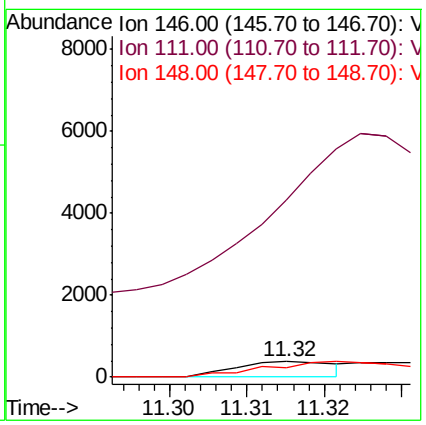


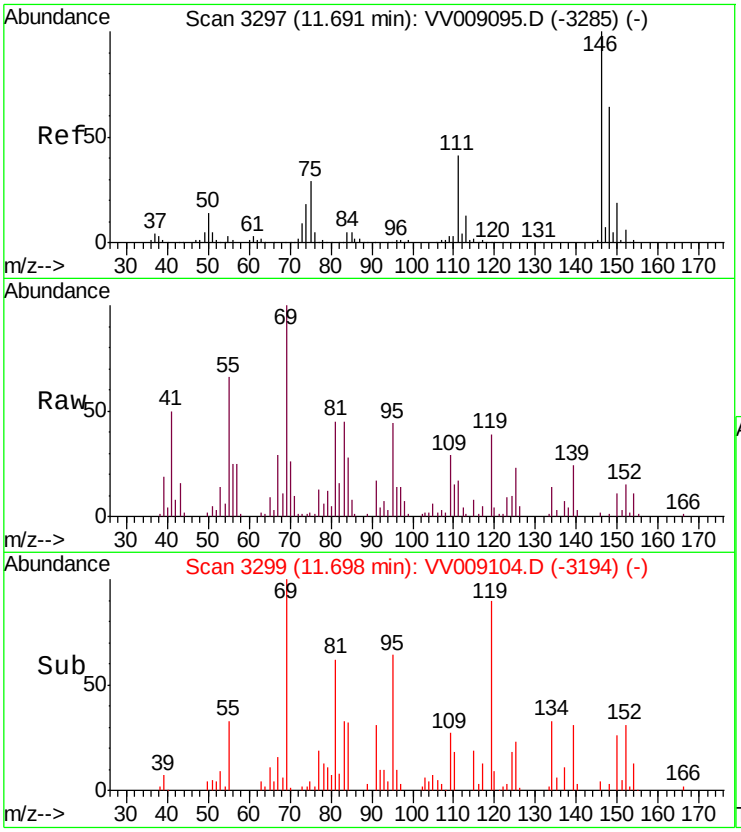


#64
1,4-Dichlorobenzene
Concen: 0.437 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. -0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:146 Resp: 342

Ion	Ratio	Lower	Upper
146	100		
111	1164.7	26.8	49.8#
148	63.9	45.8	85.0



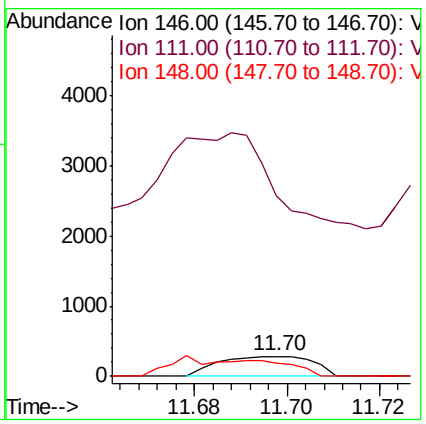


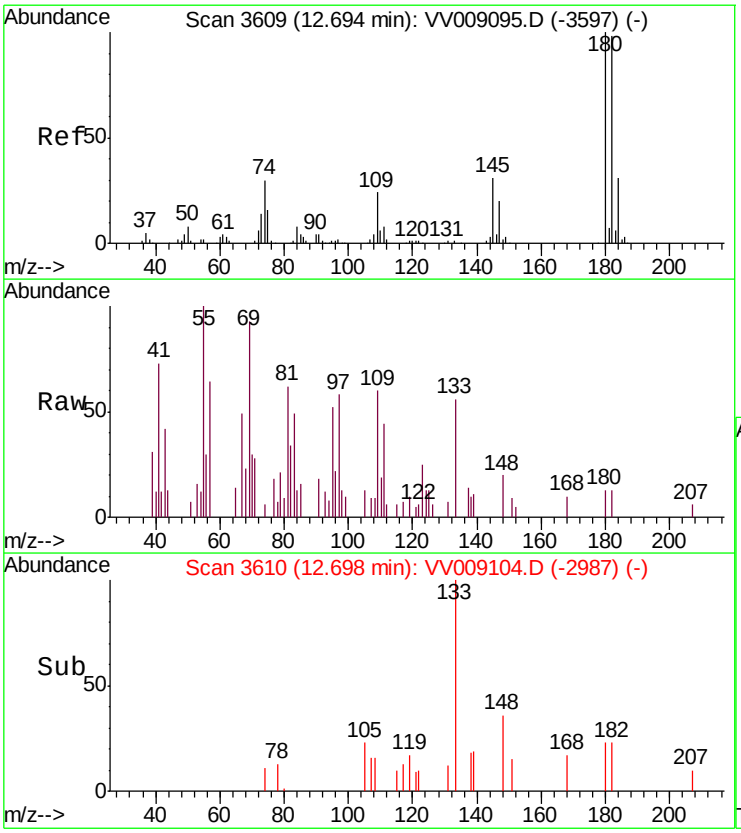
#65
1,2-Dichlorobenzene
Concen: 0.570 ug/L
RT: 11.70 min Scan# 3299
Delta R.T. 0.01 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion:146 Resp: 399

Ion	Ratio	Lower	Upper
146	100		
111	907.0	34.2	51.4#
148	68.7	51.0	76.6

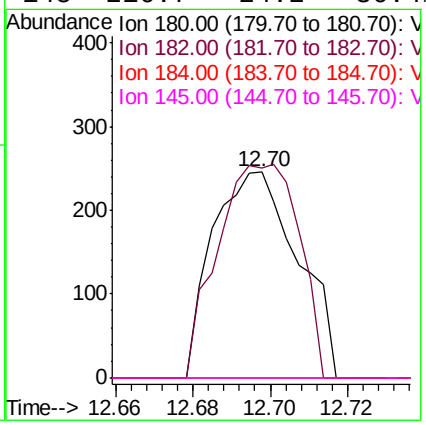


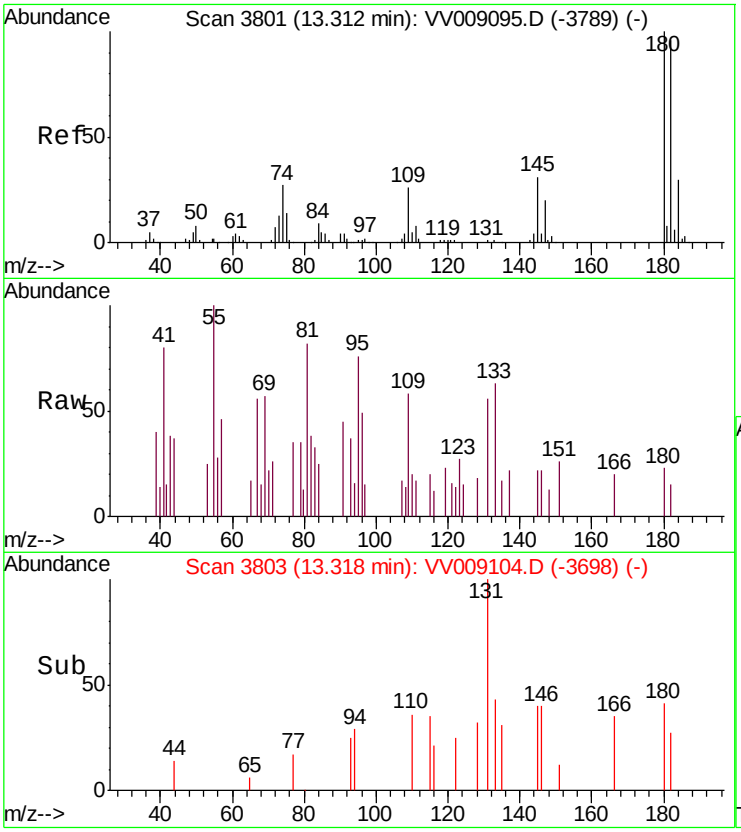


#67
1,3,5-Trichlorobenzene
Concen: 0.687 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:180 Resp: 377

Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.9	113.9
184	0.0	23.8	35.6#
145	216.7	24.2	36.4#



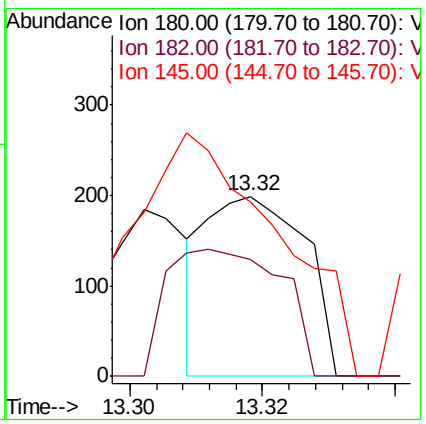


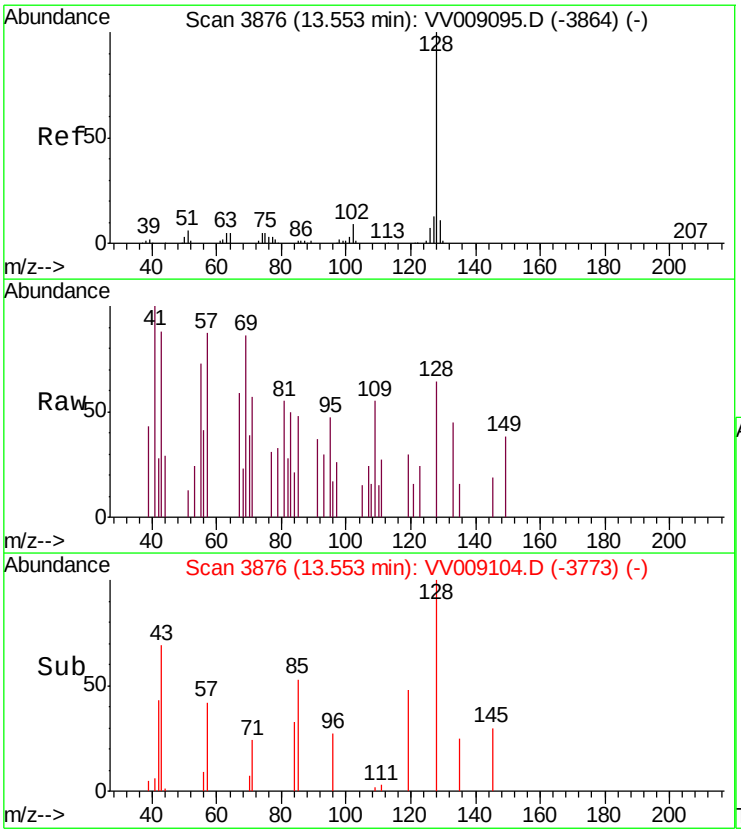
#68
1,2,4-trichlorobenzene
Concen: 0.530 ug/L
RT: 13.32 min Scan# 3803
Delta R.T. 0.01 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion:180 Resp: 204

Ion	Ratio	Lower	Upper
180	100		
182	83.3	77.4	116.0
145	190.2	25.6	38.4#

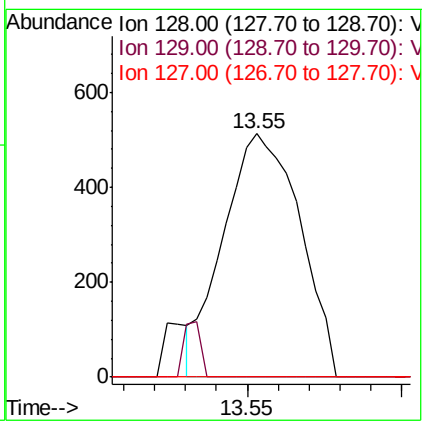


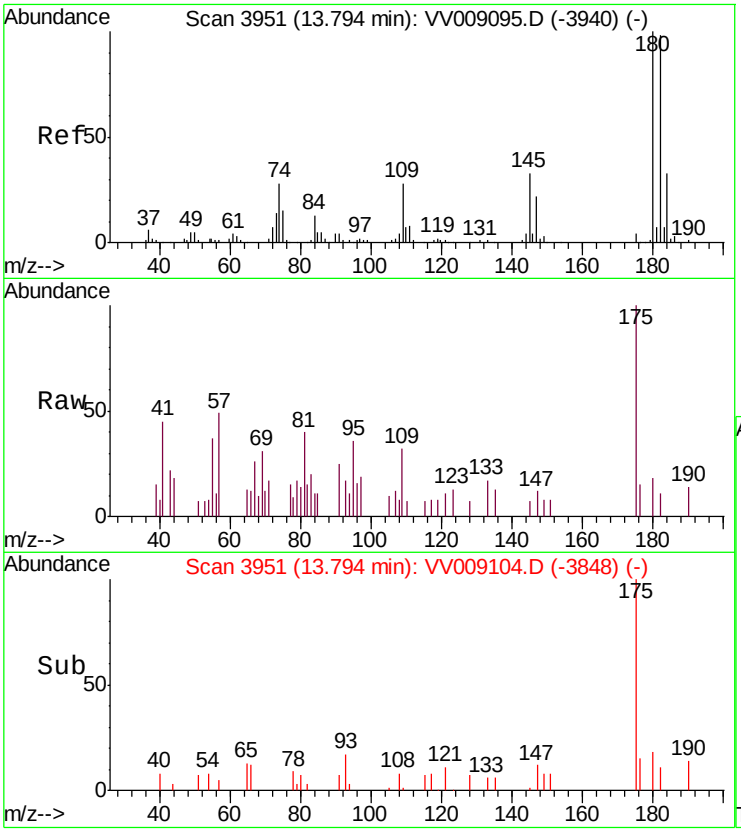


#69
Naphthalene
Concen: 1.338 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Tgt Ion:128 Resp: 886

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	13.0#
127	0.0	10.0	15.0#





#70
1,2,3-Trichlorobenzene
Concen: 0.659 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009104.D
Acq: 21 Dec 2018 01:04

Instrument :
MSVOA_V
ClientSampleId :
C0JH2

Tgt Ion:180 Resp: 234

Ion	Ratio	Lower	Upper
180	100		
182	65.8	76.1	114.1#
145	32.5	26.7	40.1