Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\

Quantitation Report (Not Reviewed)

Data File : VV013745.D
Acq On : 22 Nov 2019 19:48
Operator : SY/MD
Sample : K5941-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : B0AD4

Quant Time: Nov 23 01:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	340772	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342683	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	160306	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	104754	4.97	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 99.40%			
7) Chloroethane-d5	1.58	69	95494	5.33	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 106.60%			
11) 1,1-Dichloroethene-d2	2.13	63	226156	6.37	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 127.40%#			
20) 2-Butanone-d5	3.92	46	259607	59.21	ug/L	-0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 118.42%			
24) Chloroform-d	4.40	84	220807	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.80%			
26) 1,2-Dichloroethane-d4	5.08	65	112204	5.54	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 110.80%			
32) Benzene-d6	5.09	84	429025	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%			
36) 1,2-Dichloropropane-d6	6.11	67	133202	5.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 101.20%			
41) Toluene-d8	7.36	98	373440	4.50	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.00%			
43) trans-1,3-Dichloropropene-	7.66	79	46210	4.51	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.20%			
46) 2-Hexanone-d5	8.13	63	198597	52.50	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 105.00%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101595	5.56	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 111.20%			
64) 1,2-Dichlorobenzene-d4	11.67	152	159862	5.65	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 113.00%			
Target Compounds						Qvalue
3) Chloromethane	1.25	50	4009	0.201	ug/L	86
5) Vinyl chloride	1.32	62	37900	1.862	ug/L #	1
8) Chloroethane	1.60	64	50259	4.097	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2166	0.115	ug/L #	22
12) 1,1-Dichloroethene	2.14	96	164905	10.065	ug/L #	79
13) Acetone	2.46	43	5499	1.793	ug/L	81
14) Carbon disulfide	2.32	76	8922	0.236	ug/L #	94
15) Methyl Acetate	2.46	43	5499	0.801	ug/L #	87
16) Methylene chloride	2.53	84	6514	0.290	ug/L	85
17) Methyl tert-butyl Ether	2.80	73	69897	1.559	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4401	0.238	ug/L	97
19) 1,1-Dichloroethane	3.23	63	505025	13.673	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	41838	1.928	ug/L	100
25) Chloroform	4.42	83	12062	0.308	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	137900	3.934	ug/L	97
31) Carbon tetrachloride	4.65	117	18735	0.607	ug/L	98
34) Trichloroethene	5.96	95	1112170	47.962	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\

Quantitation Report (Not Reviewed)

Data File : VV013745.D
Acq On : 22 Nov 2019 19:48
Operator : SY/MD
Sample : K5941-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : B0AD4

Quant Time: Nov 23 01:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Methylcyclohexane	6.11	83	31673	1.024	ug/L	#	19
39) cis-1,3-Dichloropropene	7.03	75	3274	0.107	ug/L	#	68
42) Toluene	7.43	91	37220	0.413	ug/L		96
44) trans-1,3-Dichloropropene	7.66	75	2363	0.098	ug/L		90
47) Tetrachloroethene	8.02	164	47639	2.366	ug/L		95
48) 2-Hexanone	8.17	43	6713	0.746	ug/L	#	42
49) Dibromochloromethane	8.02	129	37752	1.912	ug/L	#	10
62) 1,3-Dichlorobenzene	11.22	146	4108	0.088	ug/L		96
63) 1,4-Dichlorobenzene	11.32	146	3724	0.079	ug/L		84
65) 1,2-Dichlorobenzene	11.69	146	3231	0.075	ug/L		95

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\

Quantitation Report (Not Reviewed)

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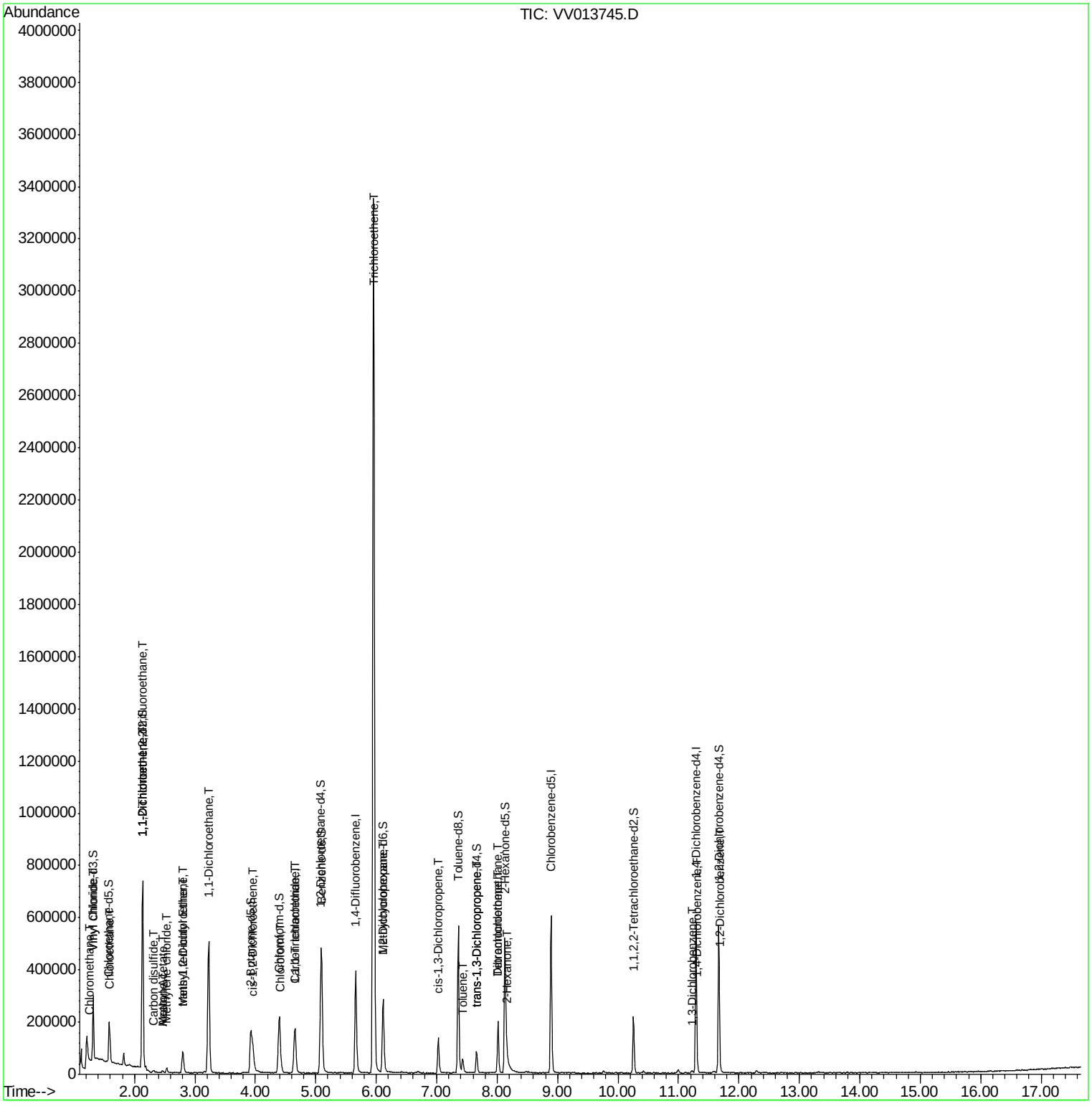
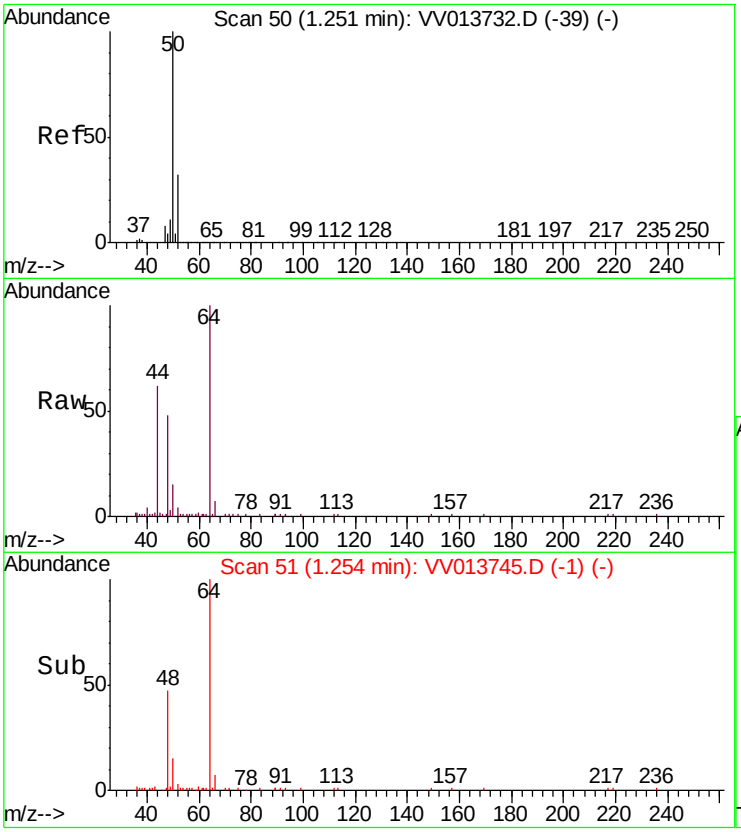
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration



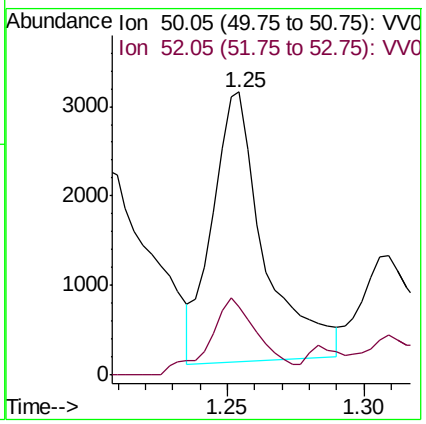


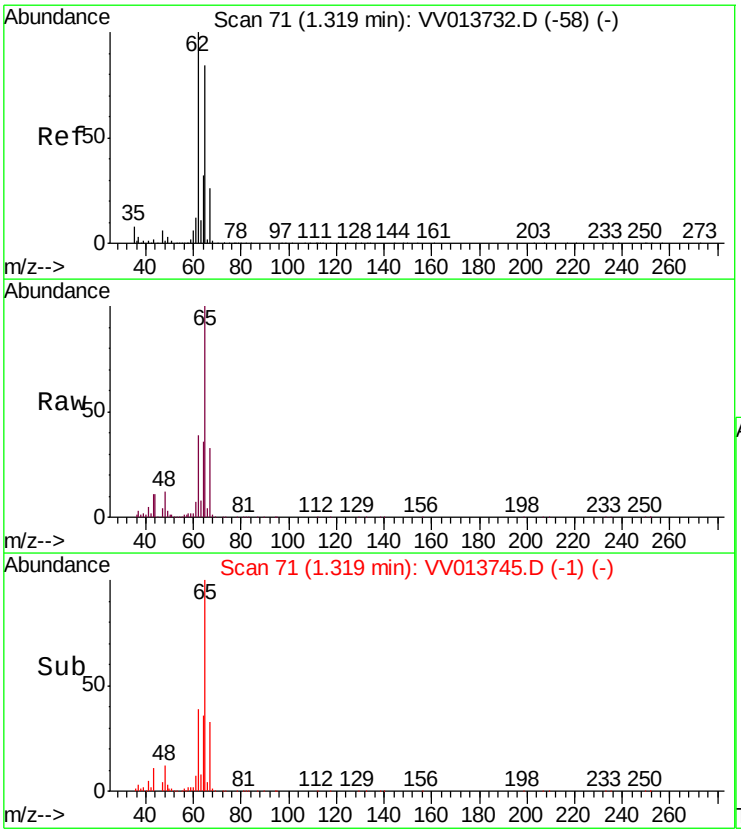
#3
Chloromethane
Concen: 0.201 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 50 Resp: 4009

Ion	Ratio	Lower	Upper
50	100		
52	24.2	22.5	41.7

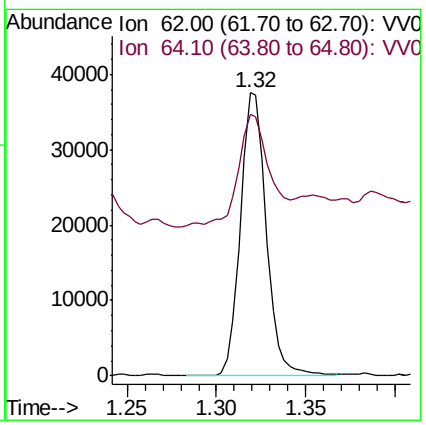


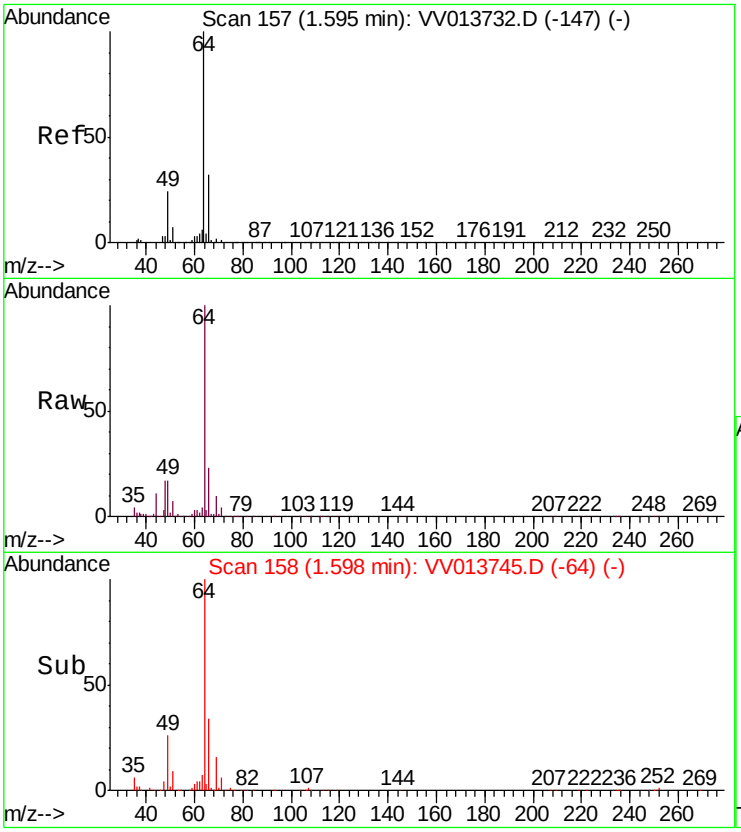


#5
Vinyl chloride
Concen: 1.862 ug/L
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 62 Resp: 37900

Ion	Ratio	Lower	Upper
62	100		
64	92.4	23.3	43.3#



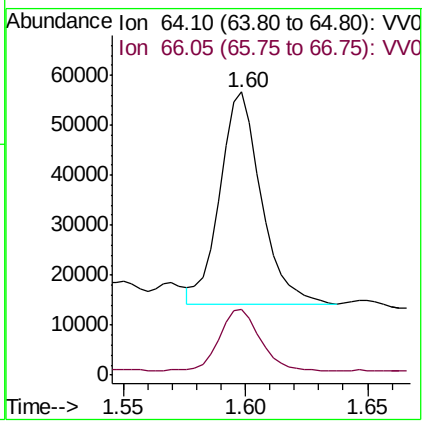


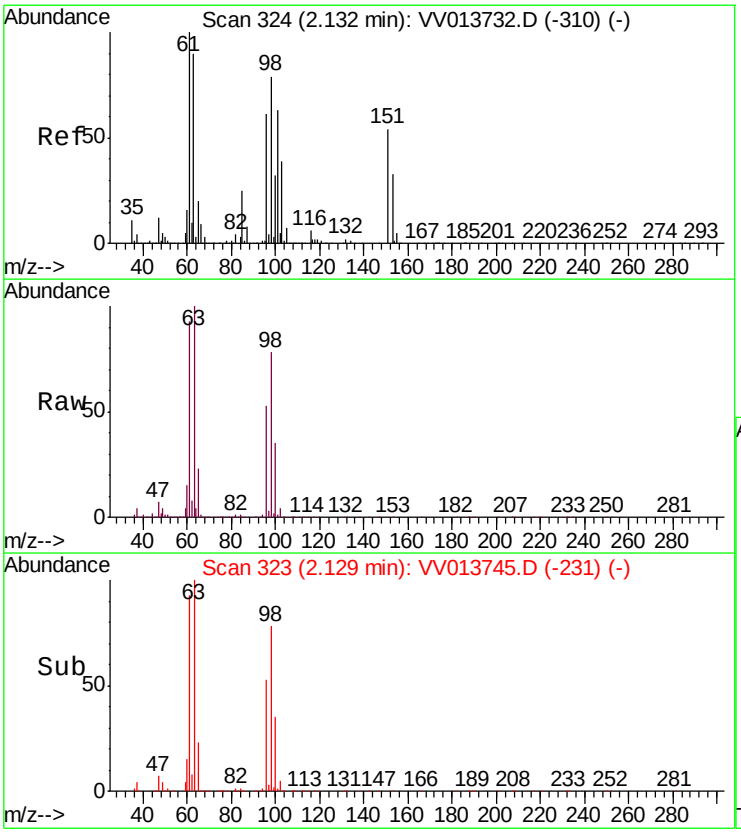
#8
Chloroethane
Concen: 4.097 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 64 Resp: 50259

Ion	Ratio	Lower	Upper
64	100		
66	23.3	22.6	42.0

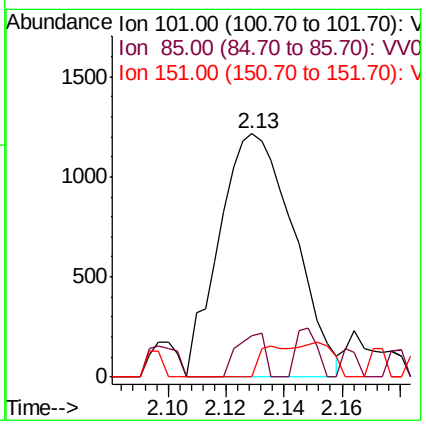


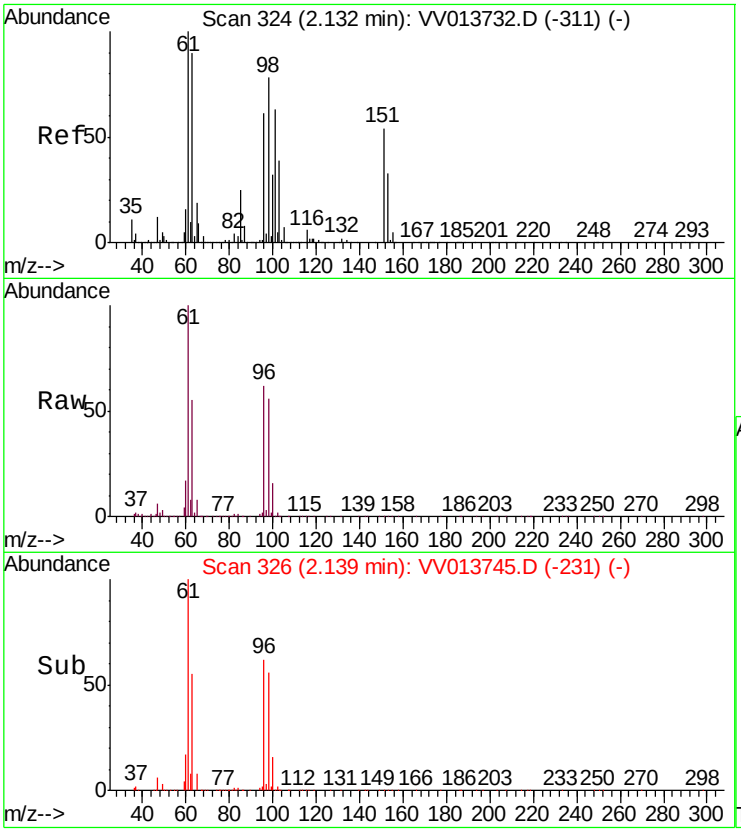


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.115 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion:101 Resp: 2166

Ion	Ratio	Lower	Upper
101	100		
85	6.6	33.4	50.0#
151	5.2	69.4	104.0#



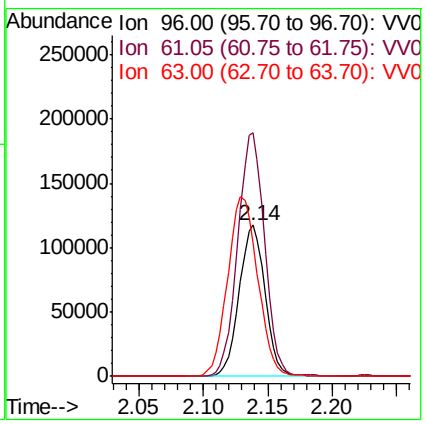


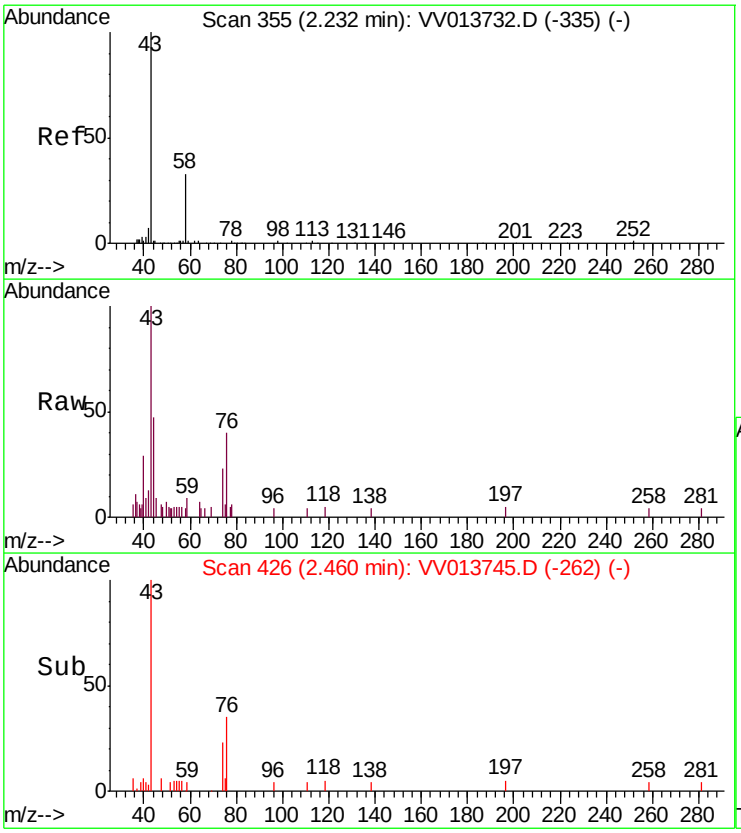
#12
1,1-Dichloroethene
Concen: 10.065 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 96 Resp: 164905

Ion	Ratio	Lower	Upper
96	100		
61	161.3	116.3	215.9
63	88.3	96.7	179.7#

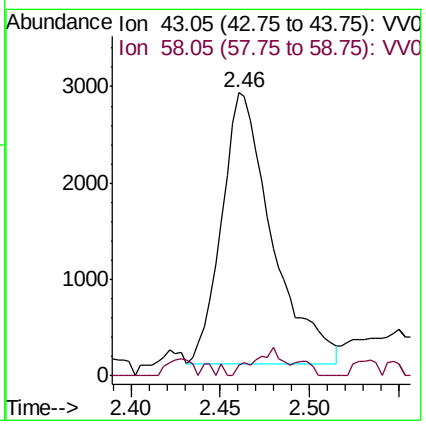


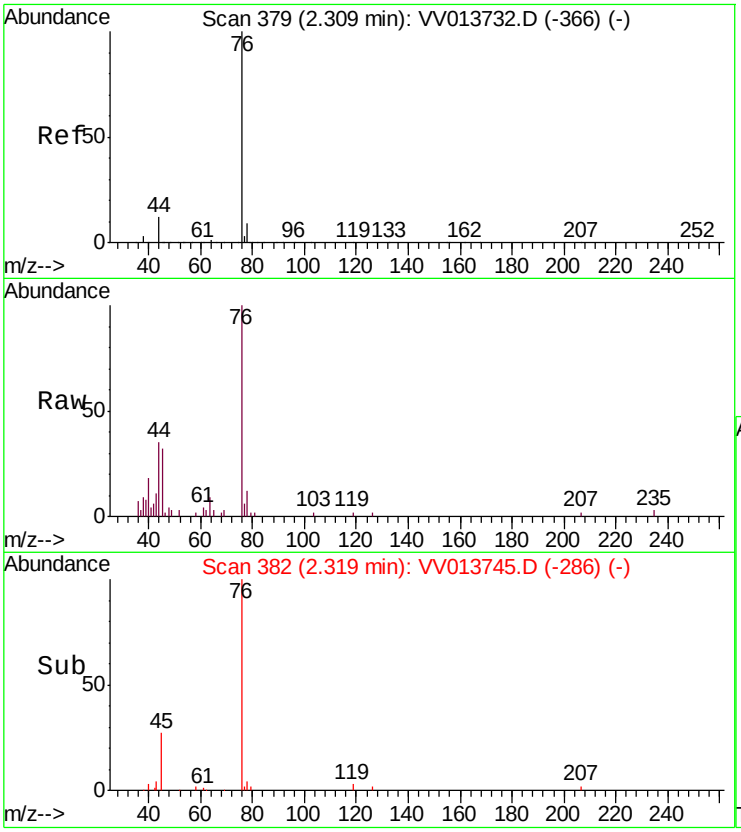


#13
Acetone
Concen: 1.793 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.23 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 43 Resp: 5499

Ion	Ratio	Lower	Upper
43	100		
58	5.9	0.0	27.2



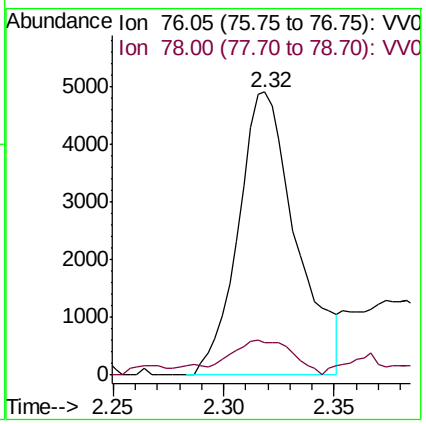


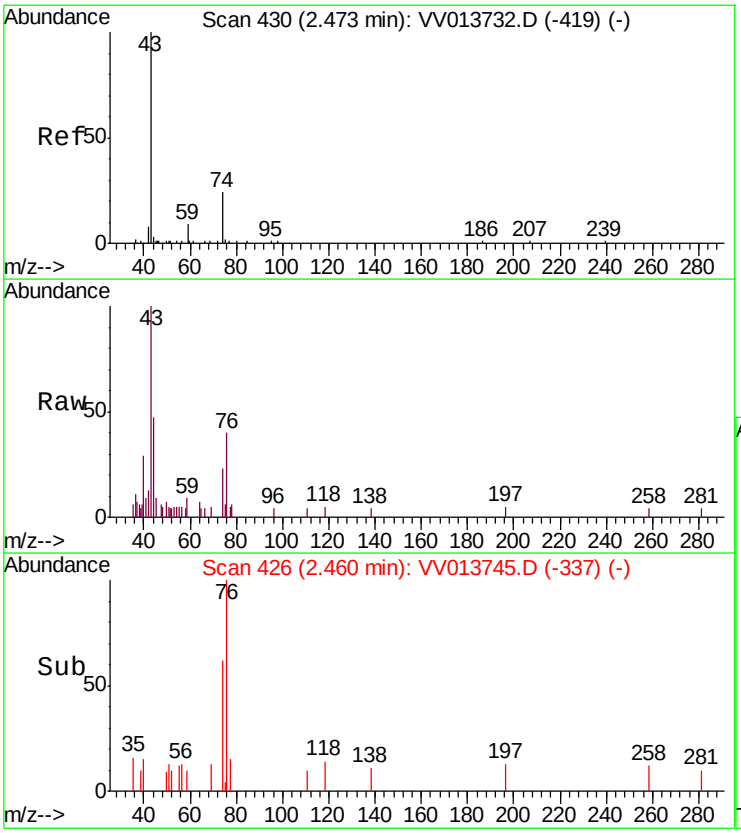
#14
Carbon disulfide
Concen: 0.236 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument : MSVOA_V
ClientSampleId : B0AD4

Tgt Ion: 76 Resp: 8922

Ion	Ratio	Lower	Upper
76	100		
78	11.5	7.5	11.3#

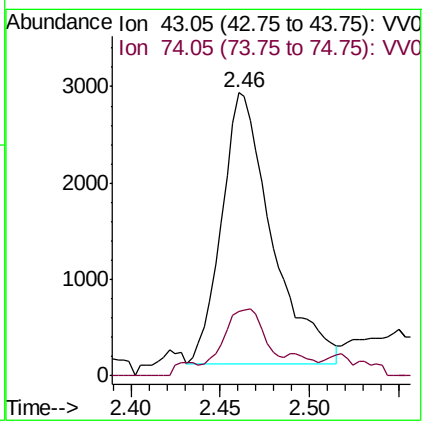


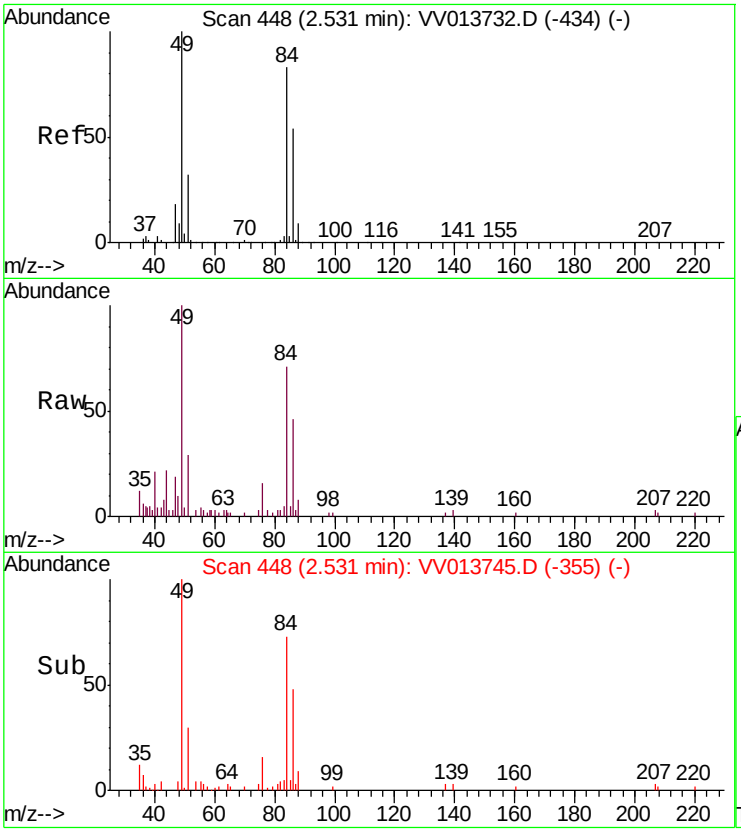


#15
Methyl Acetate
Concen: 0.801 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 43 Resp: 5499

Ion	Ratio	Lower	Upper
43	100		
74	19.0	20.5	30.7#



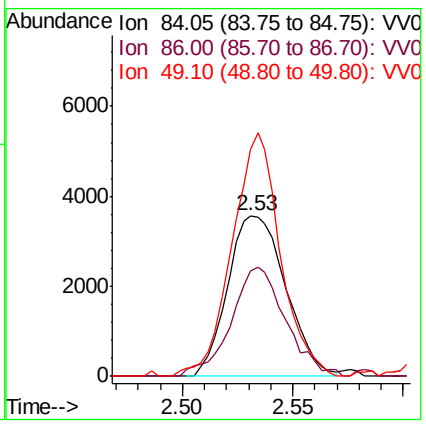


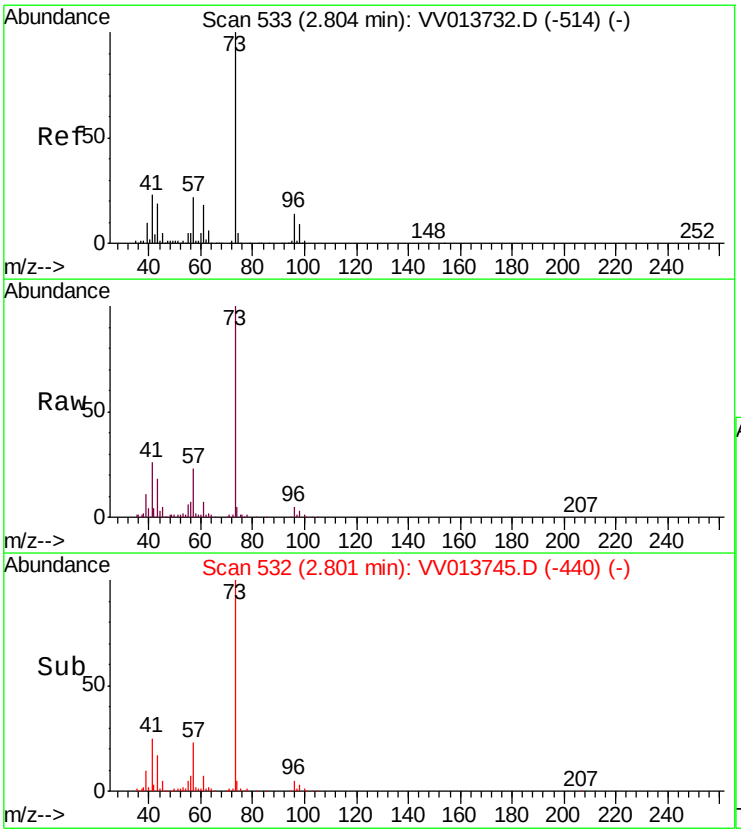
#16
Methylene chloride
Concen: 0.290 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 84 Resp: 6514

Ion	Ratio	Lower	Upper
84	100		
86	65.1	44.0	81.6
49	140.7	81.5	151.5

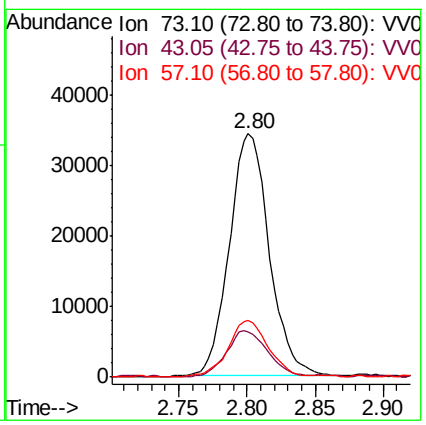


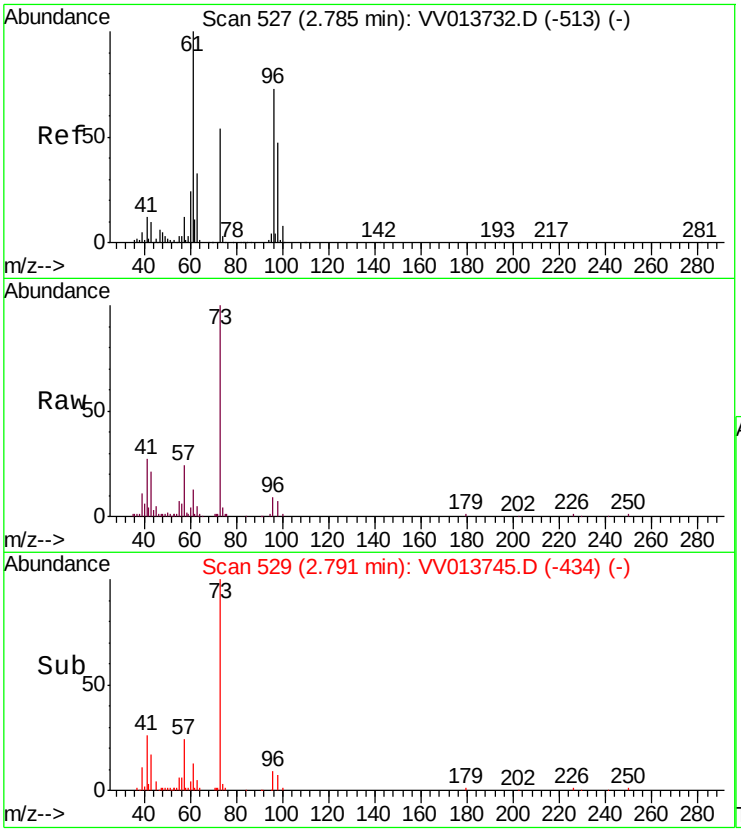


#17
Methyl tert-butyl Ether
Concen: 1.559 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 73 Resp: 69897

Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.5	23.3
57	23.9	17.5	26.3



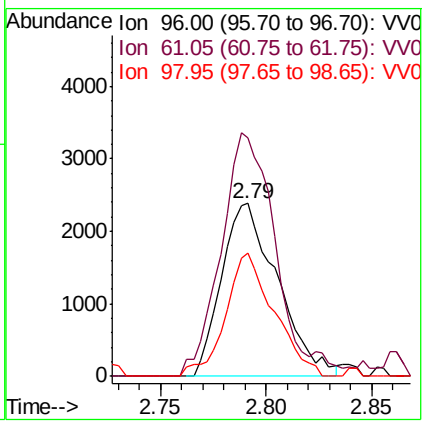


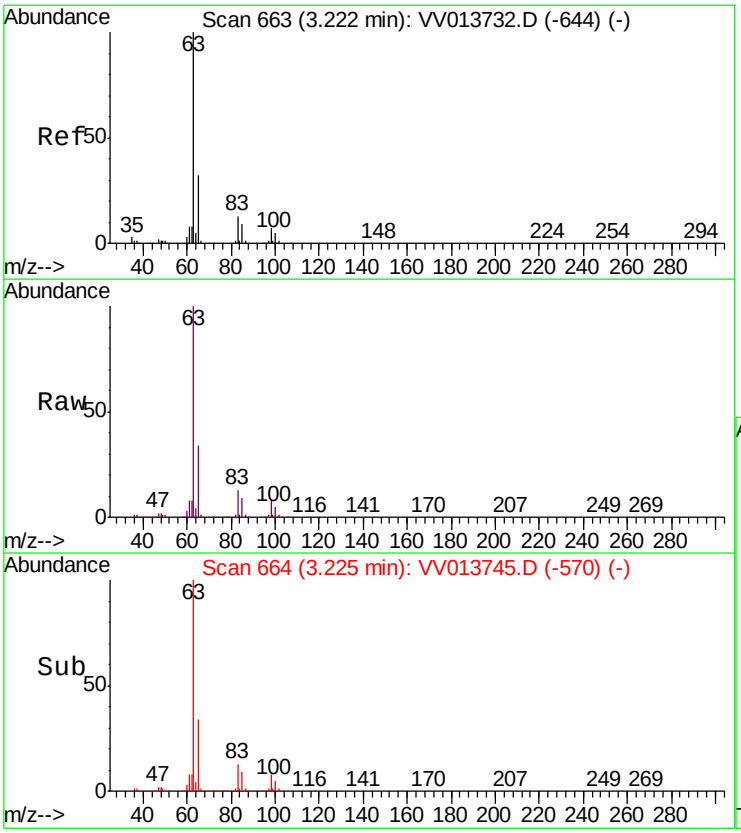
#18
trans-1,2-Dichloroethene
Concen: 0.238 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 96 Resp: 4401

Ion	Ratio	Lower	Upper
96	100		
61	138.1	95.1	176.7
98	71.8	46.5	86.3

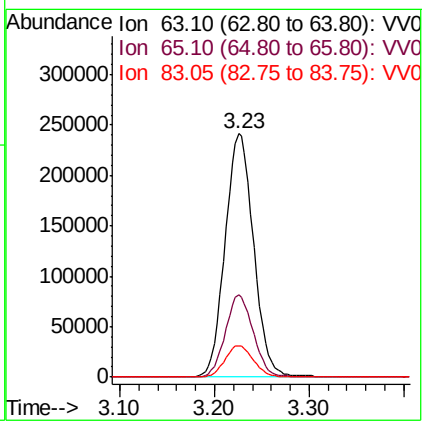


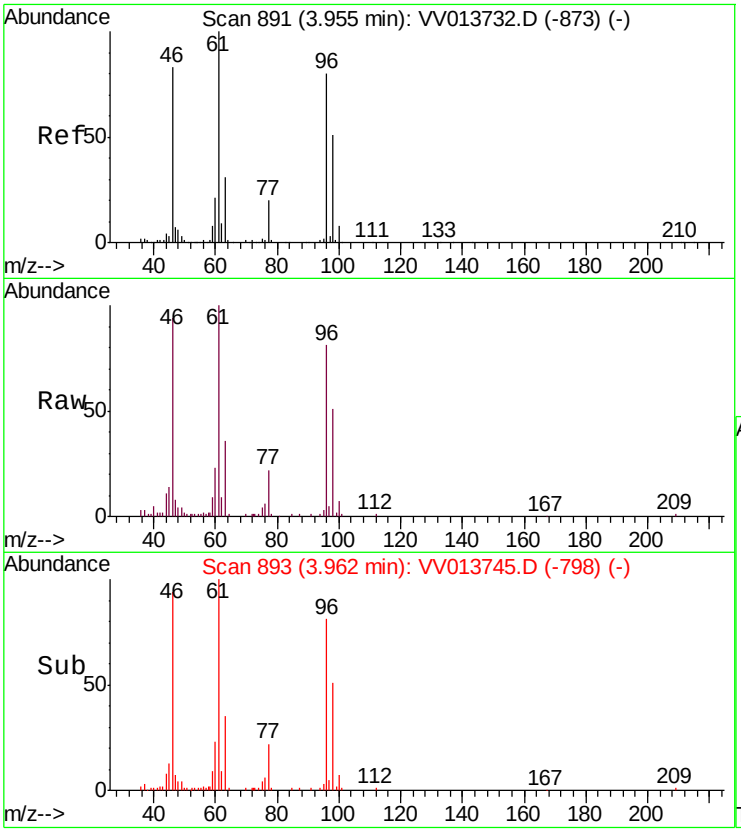


#19
1,1-Dichloroethane
Concen: 13.673 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 63 Resp: 505025

Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.7	42.1
83	13.0	9.2	17.2



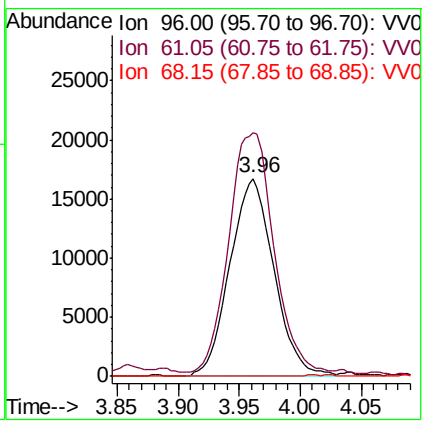


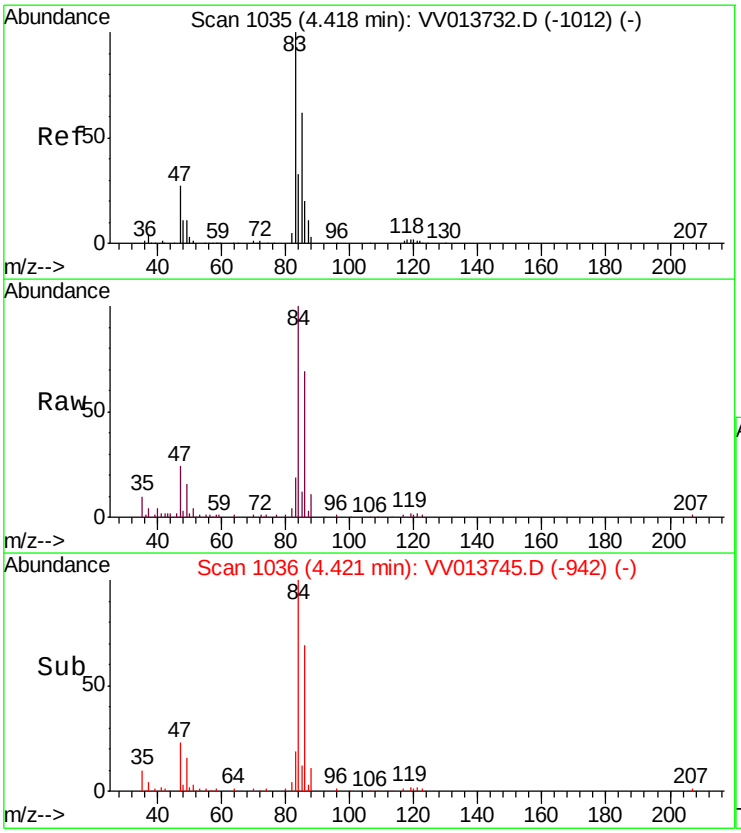
#22
cis-1,2-Dichloroethene
Concen: 1.928 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 96 Resp: 41838

Ion	Ratio	Lower	Upper
96	100		
61	123.2	86.1	159.9
68	0.0	0.0	0.0

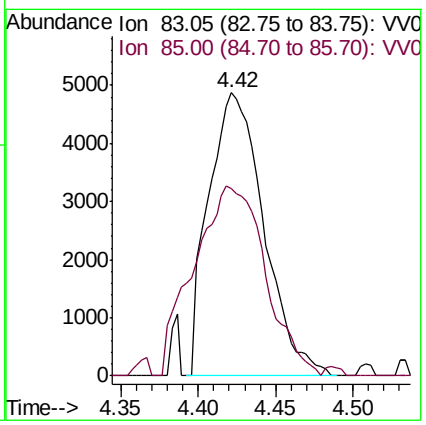


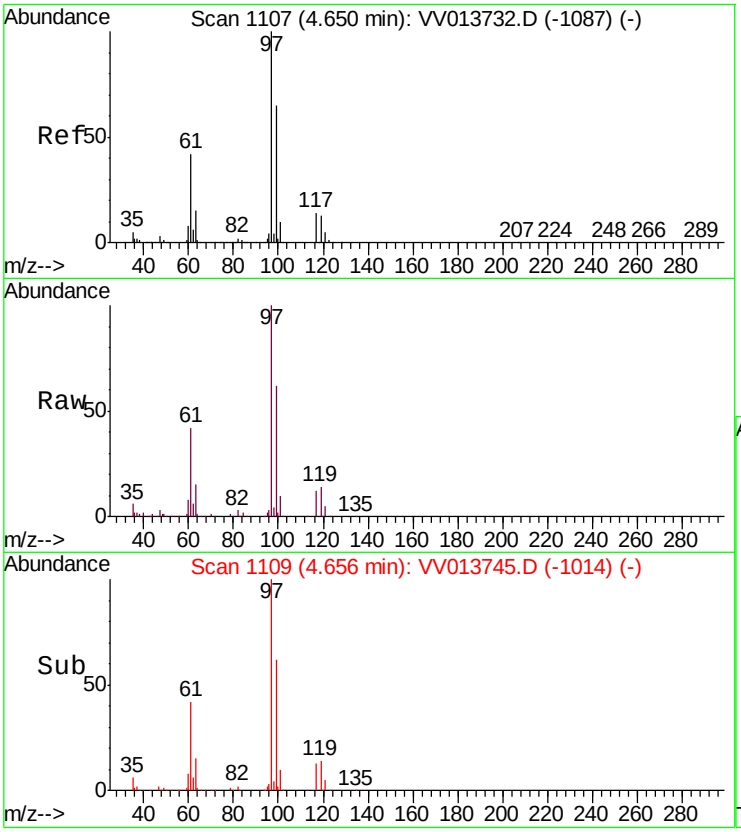


#25
Chloroform
Concen: 0.308 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 83 Resp: 12062

Ion	Ratio	Lower	Upper
83	100		
85	66.3	45.1	83.7



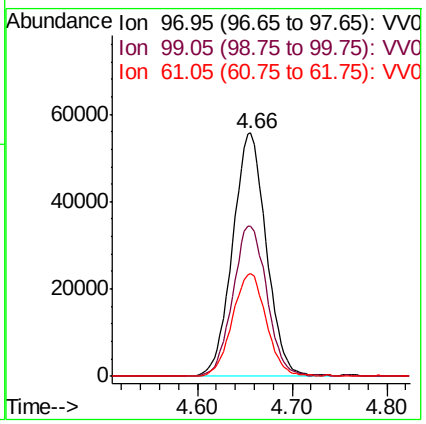


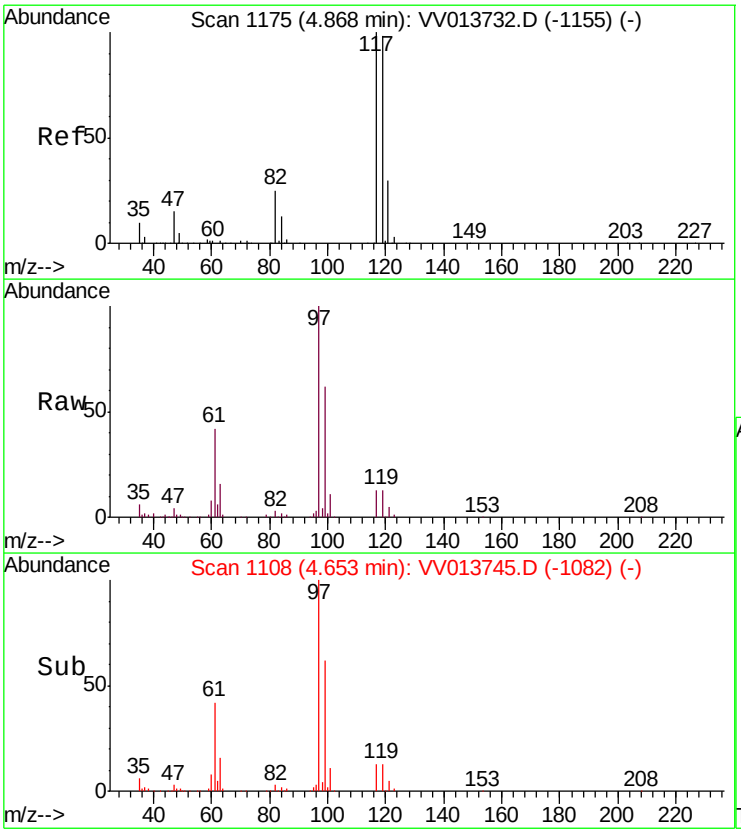
#29
1,1,1-Trichloroethane
Concen: 3.934 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 97 Resp: 137900

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.7	77.5
61	42.4	35.0	52.6

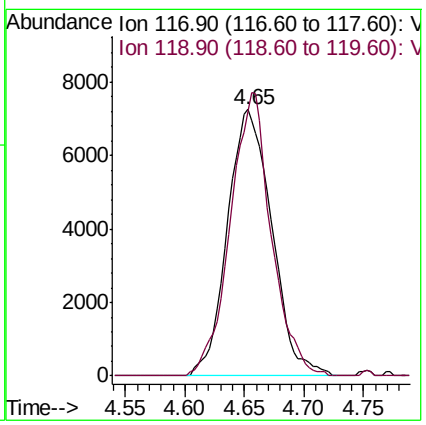


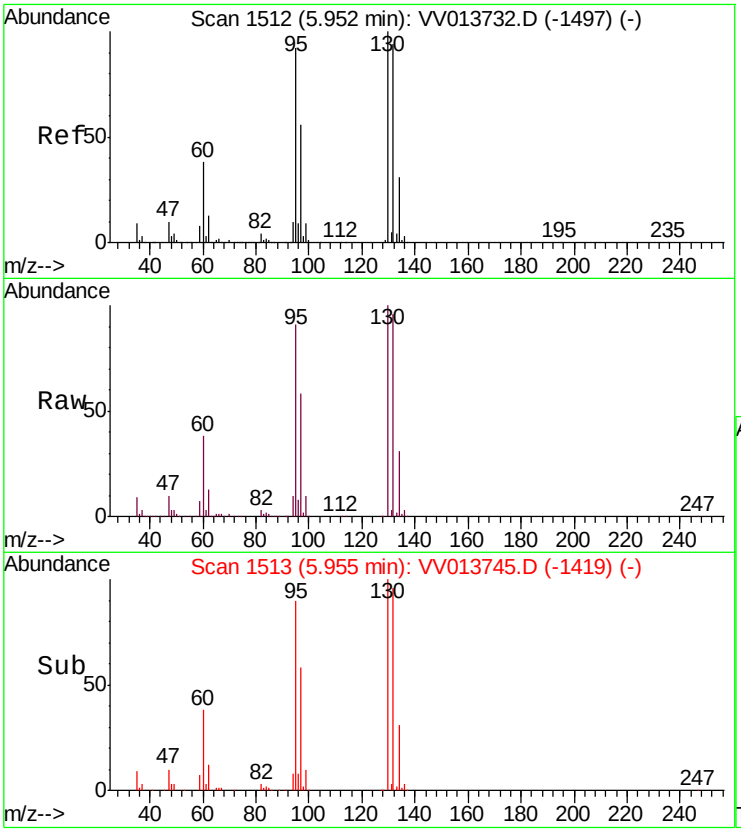


#31
Carbon tetrachloride
Concen: 0.607 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.22 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion:117 Resp: 18735

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.8	115.2



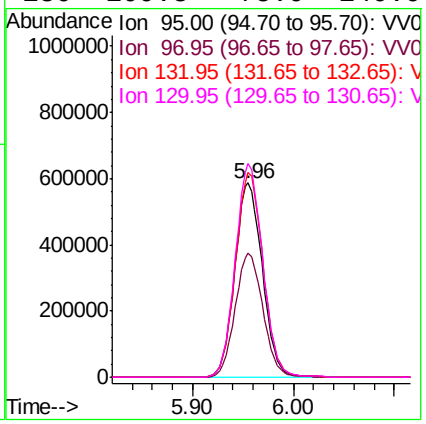


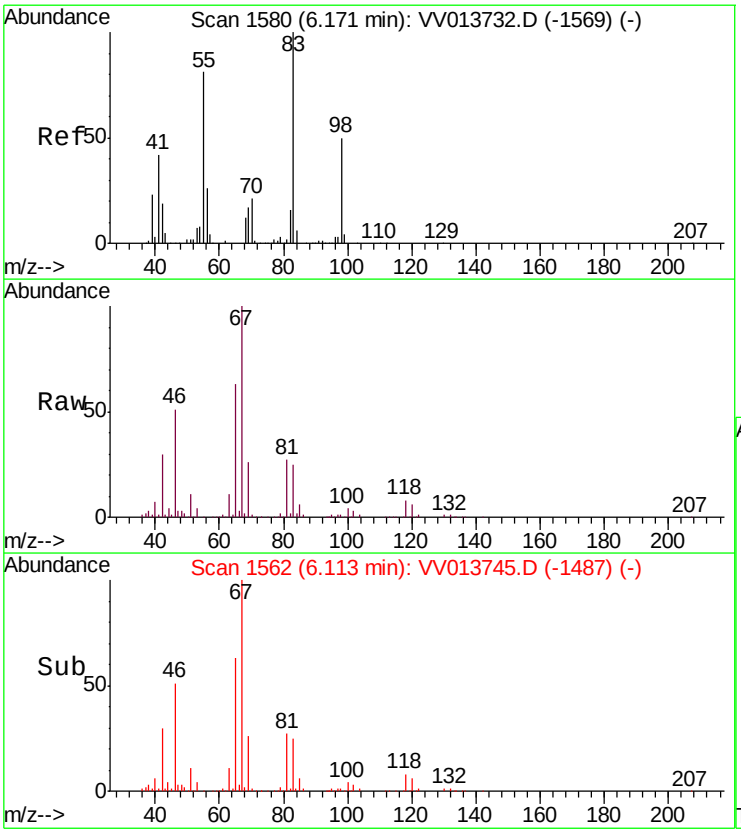
#34
Trichloroethene
Concen: 47.962 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 95 Resp: 1112170

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.6	84.8
132	105.0	70.5	130.9
130	109.8	75.9	140.9

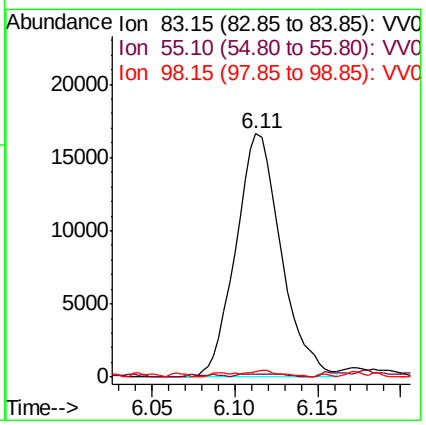


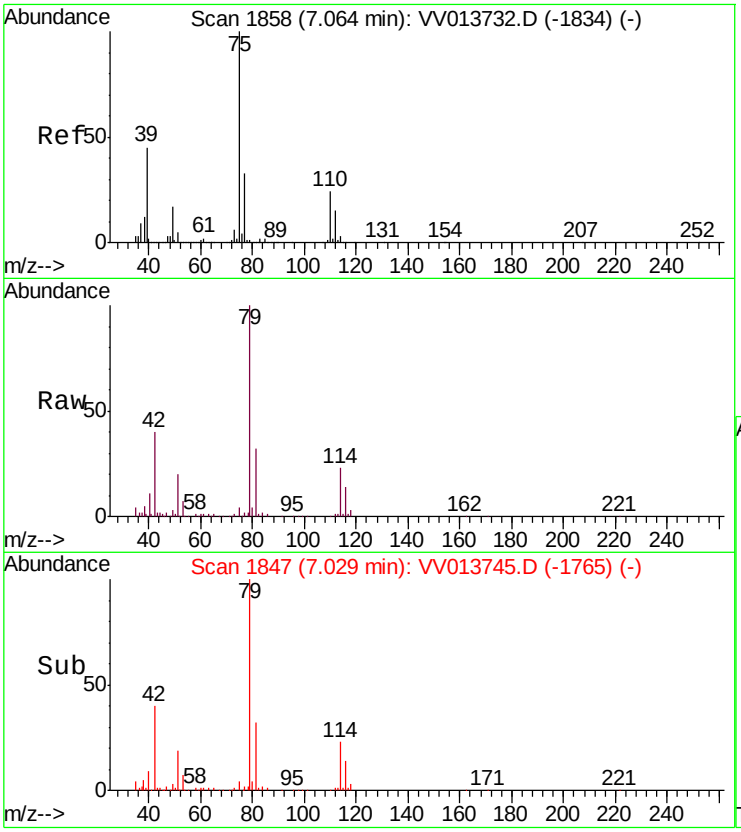


#35
Methylcyclohexane
Concen: 1.024 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 83 Resp: 31673

Ion	Ratio	Lower	Upper
83	100		
55	1.3	60.3	90.5#
98	0.0	38.1	57.1#



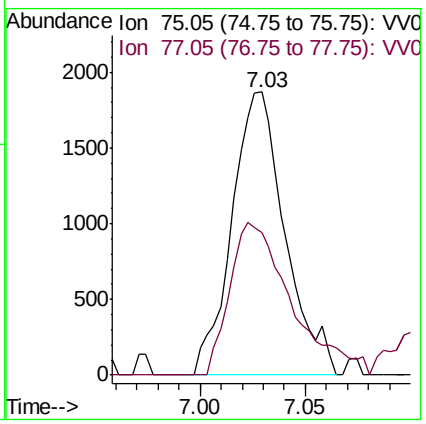


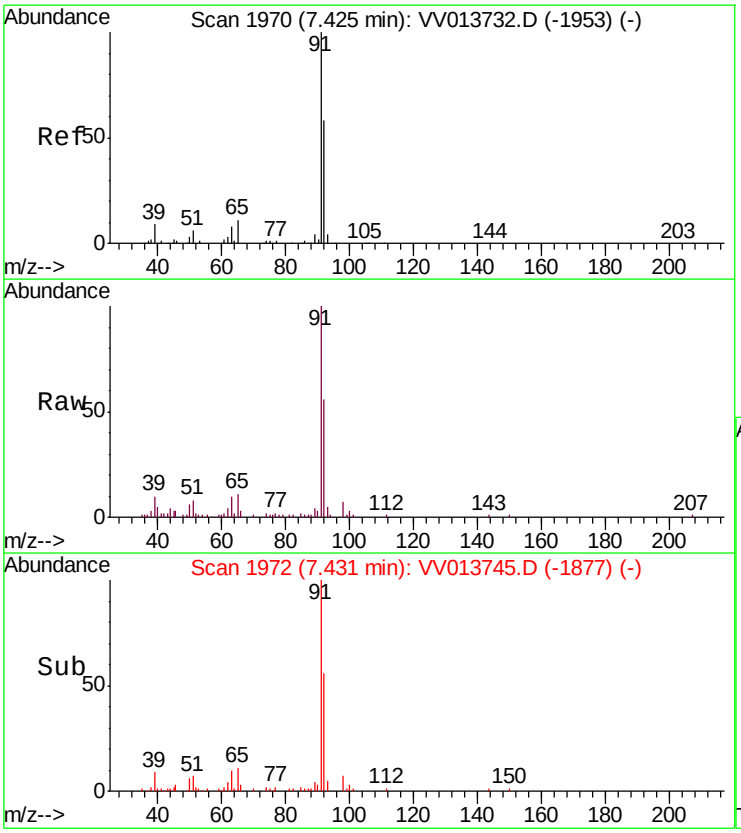
#39
cis-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 75 Resp: 3274

Ion	Ratio	Lower	Upper
75	100		
77	50.3	22.5	41.9#

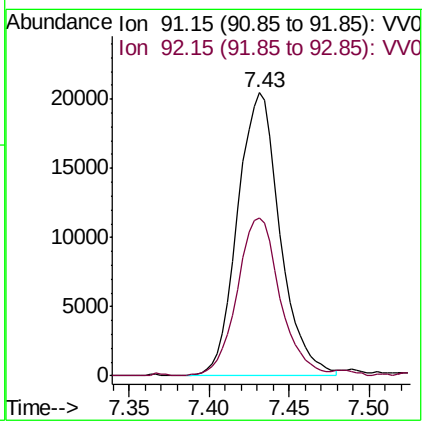


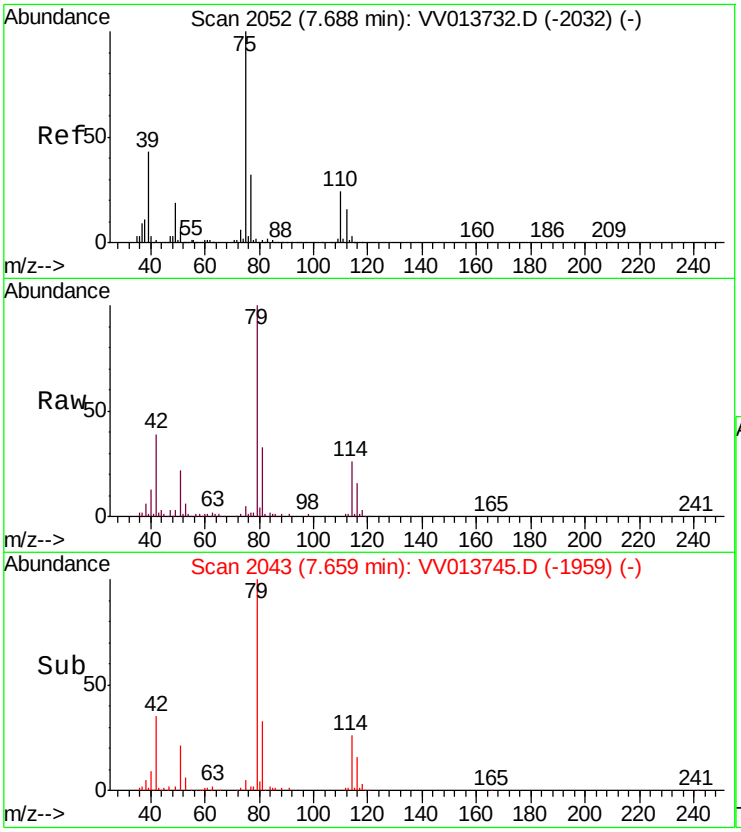


#42
Toluene
Concen: 0.413 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion: 91 Resp: 37220

Ion	Ratio	Lower	Upper
91	100		
92	55.8	41.1	76.3



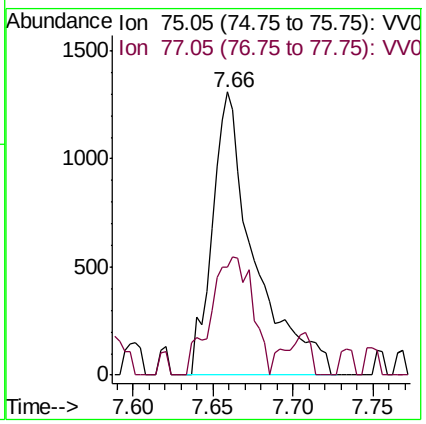


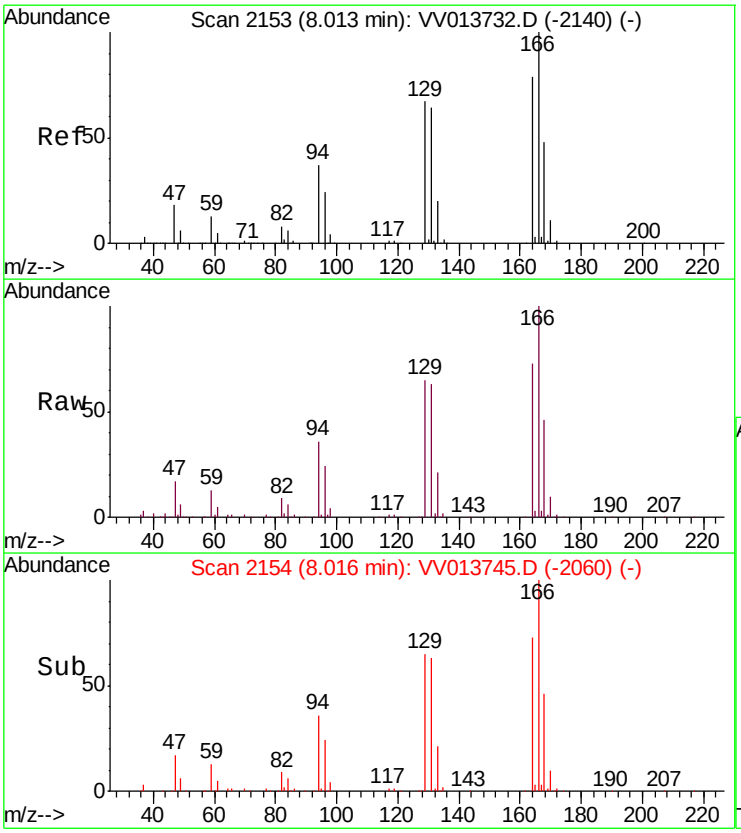
#44
trans-1,3-Dichloropropene
Concen: 0.098 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion: 75 Resp: 2363

Ion	Ratio	Lower	Upper
75	100		
77	38.3	23.0	42.8

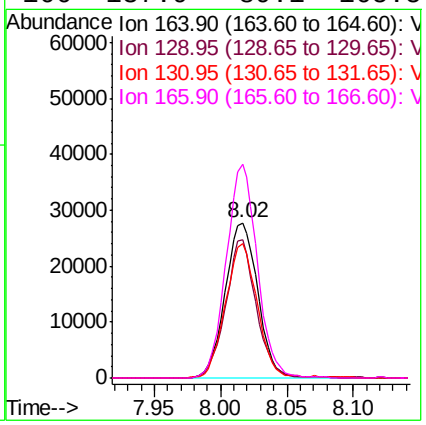


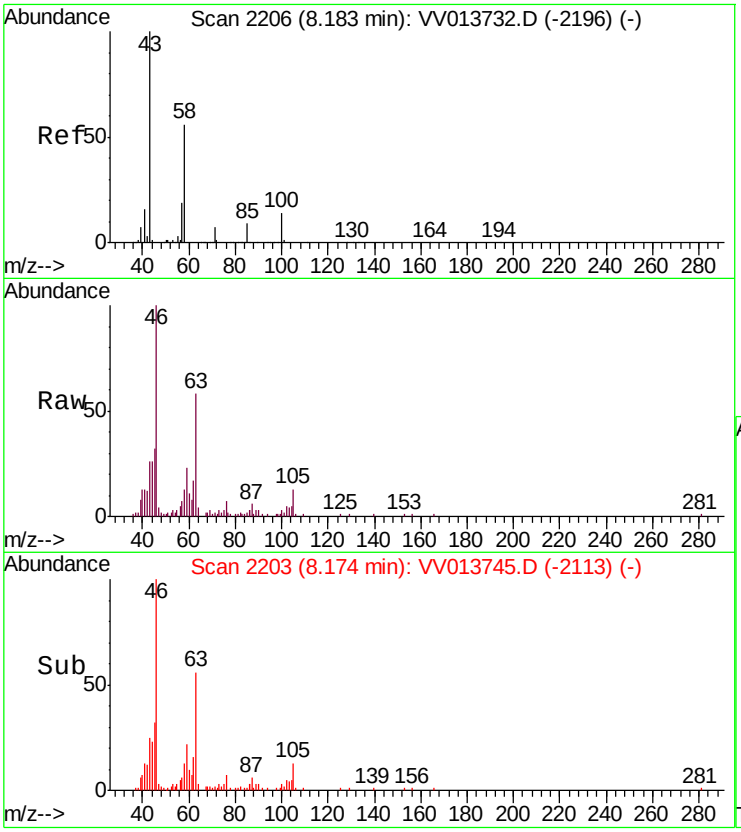


#47
Tetrachloroethene
Concen: 2.366 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion:164 Resp: 47639

Ion	Ratio	Lower	Upper
164	100		
129	89.2	60.3	112.1
131	87.1	59.9	111.3
166	137.9	89.1	165.5



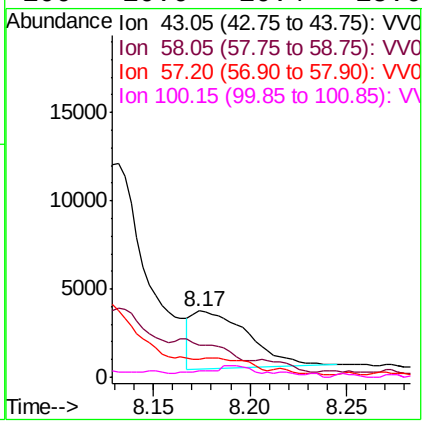


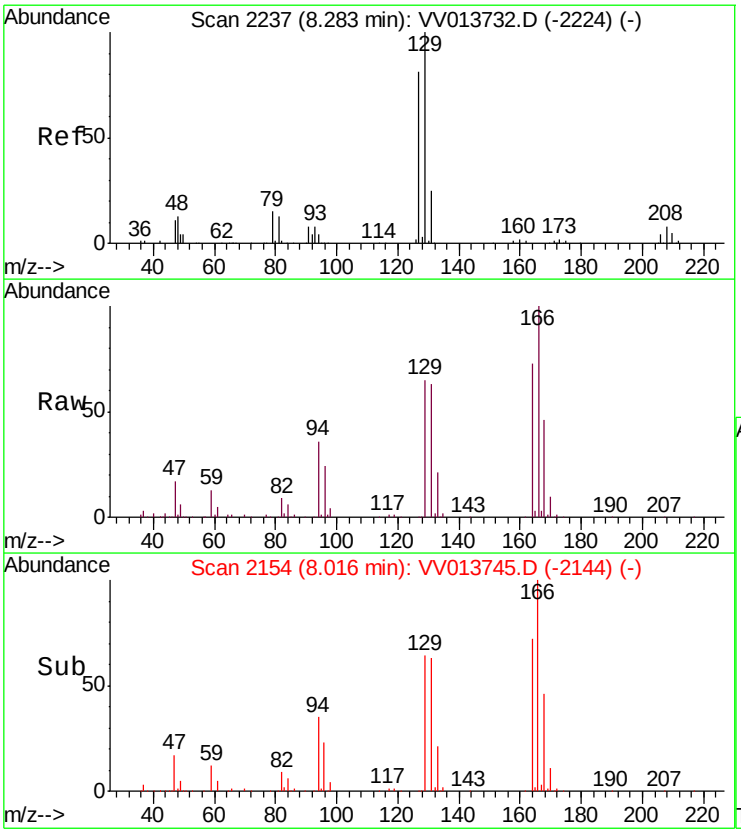
#48
2-Hexanone
Concen: 0.746 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument : MSVOA_V
ClientSampleId : B0AD4

Tgt Ion: 43 Resp: 6713

Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.2	64.8#
57	0.0	15.4	23.2#
100	10.6	10.4	15.6

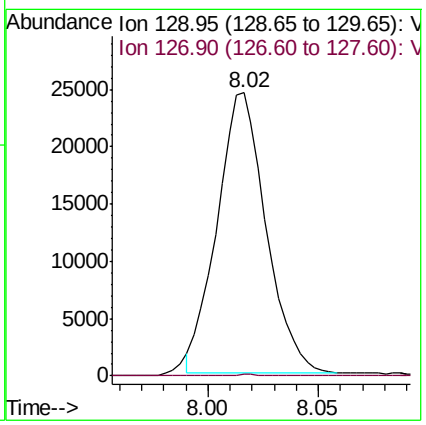


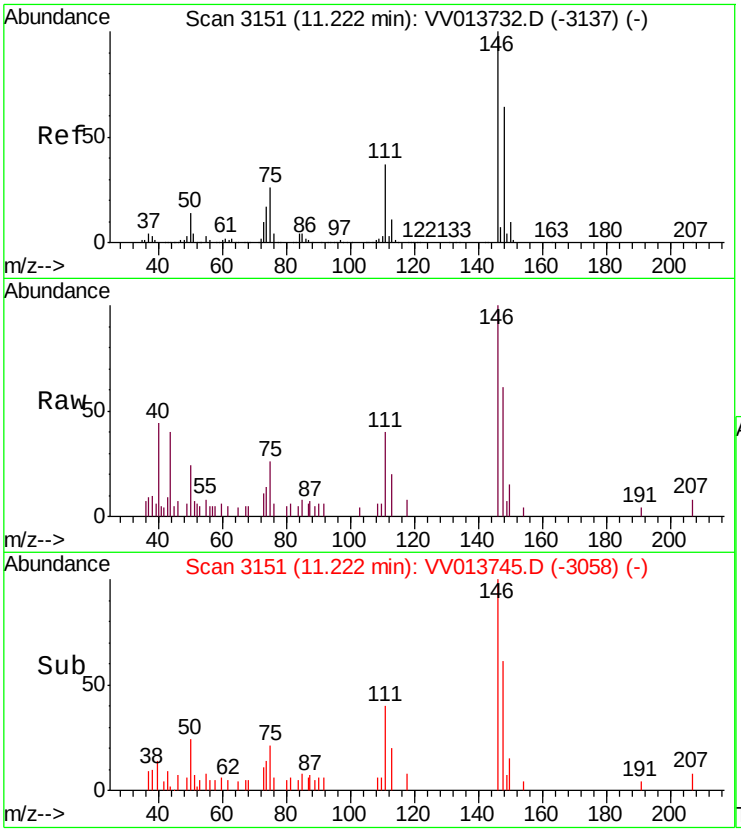


#49
Dibromochloromethane
Concen: 1.912 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion:129 Resp: 37752

Ion	Ratio	Lower	Upper
129	100		
127	0.6	55.7	103.5#



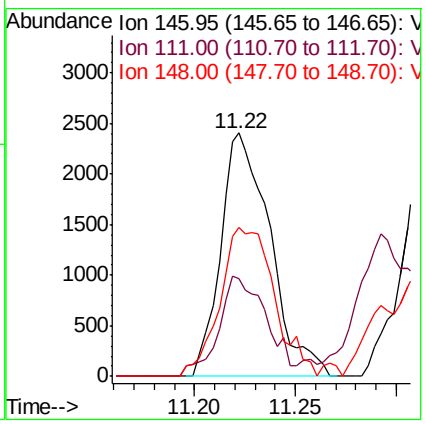


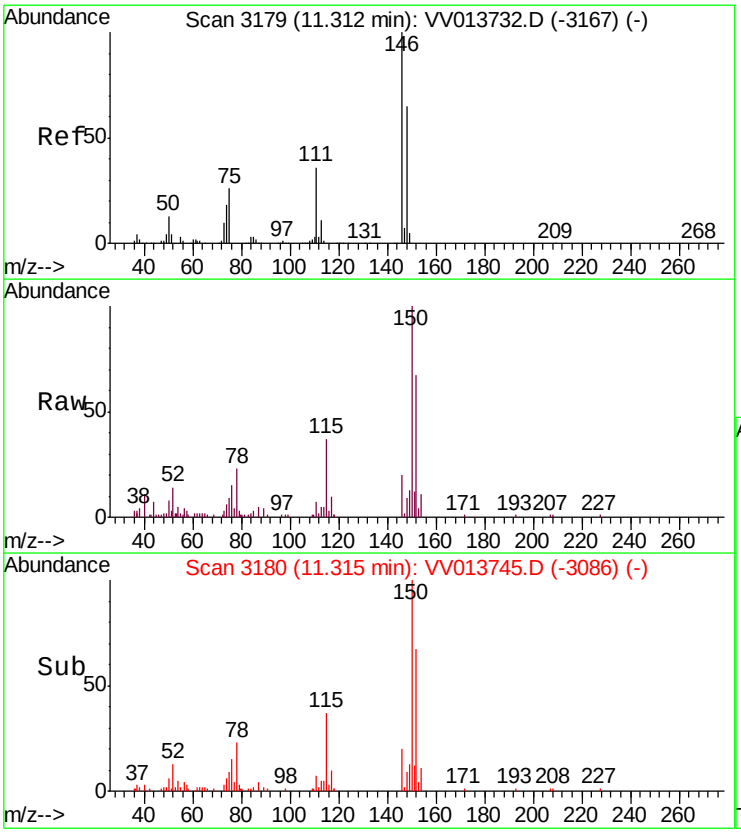
#62
1,3-Dichlorobenzene
Concen: 0.088 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument : MSVOA_V
ClientSampleId : B0AD4

Tgt Ion:146 Resp: 4108

Ion	Ratio	Lower	Upper
146	100		
111	40.3	25.6	47.6
148	61.4	44.7	82.9

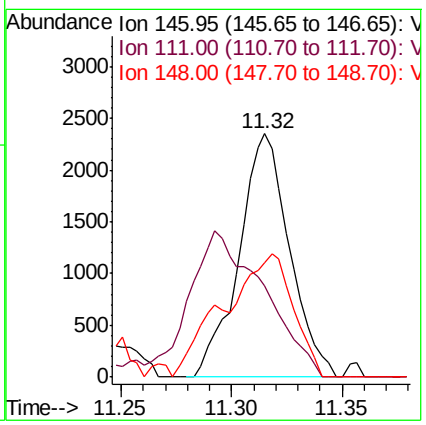


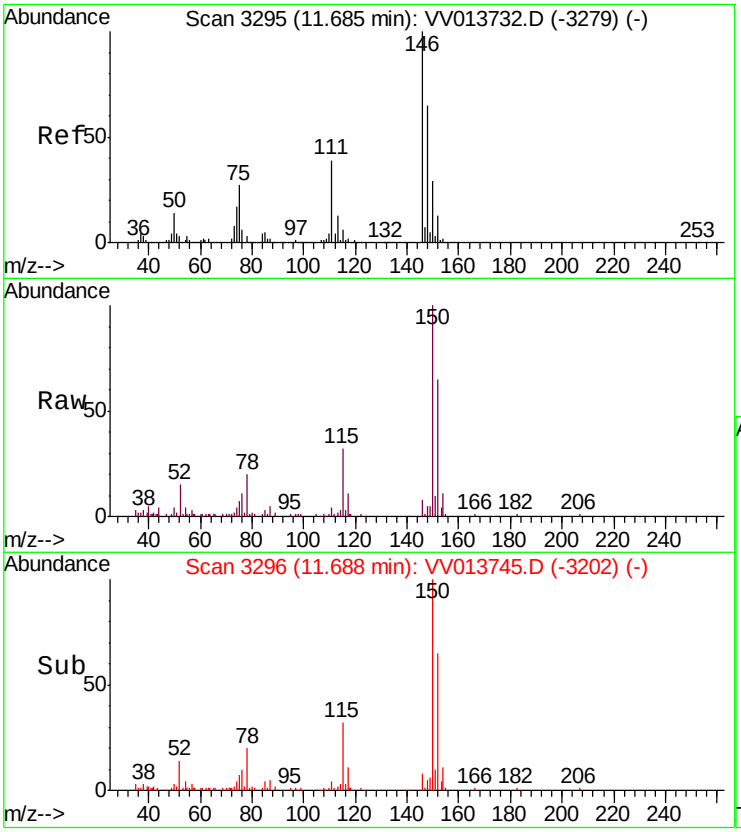


#63
1,4-Dichlorobenzene
Concen: 0.079 ug/L
RT: 11.32 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion:146 Resp: 3724

Ion	Ratio	Lower	Upper
146	100		
111	37.3	25.0	46.4
148	46.7	45.4	84.2





#65
1,2-Dichlorobenzene
Concen: 0.075 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tgt Ion:146 Resp: 3231

Ion	Ratio	Lower	Upper
146	100		
111	46.4	31.3	46.9
148	65.3	52.2	78.2