Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

Quantitation Report (Not Reviewed)

Data File : VL034181.D
Acq On : 17 Sep 2019 12:52
Operator : SY/AP
Sample : VL0917ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Quant Time: Sep 19 07:26:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1203472	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2108746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2255059	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1899766	9.70	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1620263	9.115	ppbv	97
3) Chlorodifluoromethane	2.97	51	1335363	9.463	ppbv	100
4) Chloromethane	3.13	50	745032	8.985	ppbv	99
5) Vinyl Chloride	3.25	62	652158	8.606	ppbv	97
6) Bromomethane	3.47	94	344201	9.735	ppbv	92
7) Chloroethane	3.55	64	239674	9.049	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1386899	8.840	ppbv	99
9) Propene	3.00	41	621103	8.921	ppbv	99
10) Heptane	8.18	43	1643431	9.058	ppbv	100
11) Trichlorofluoromethane	3.95	101	1459443	9.019	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	963342	9.097	ppbv	99
13) Ethanol	3.61	45	169655	10.064	ppbv	93
14) Bromoethene	3.74	108	401199	9.266	ppbv	98
15) Acetone	3.85	43	1385081	8.587	ppbv	99
16) 1,3-Butadiene	3.32	39	659325	9.366	ppbv	98
17) tert-Butyl alcohol	4.30	59	1097043	10.734	ppbv	98
18) 1,1-Dichloroethene	4.29	96	442360	9.577	ppbv	94
19) Isopropyl Alcohol	3.97	45	1037402	10.459	ppbv	100
20) Methylene Chloride	4.36	84	404201	8.691	ppbv	97
21) Allyl Chloride	4.42	41	879865	9.658	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	434115	9.394	ppbv	97
23) Vinyl Acetate	5.10	43	2277662	9.583	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1425774	8.909	ppbv	100
25) Ethyl Acetate	5.71	43	2585653	8.477	ppbv	100
26) Hexane	5.72	57	1115401	8.791	ppbv	98
27) Carbon Disulfide	4.56	76	1195645	10.218	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1720406	9.130	ppbv	100
29) Chloroform	5.79	83	1632133	9.002	ppbv	100
30) Cyclohexane	7.18	84	846136	9.237	ppbv	99
31) cis-1,2-Dichloroethene	5.58	61	1202008	9.293	ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1562414	8.935	ppbv	99
34) 2-Butanone	5.27	43	1860682	8.642	ppbv	99
35) Carbon Tetrachloride	7.07	117	1552131	8.860	ppbv	99
36) Benzene	6.94	78	2031721	8.724	ppbv	100
37) 1,2-Dichloroethane	6.35	62	1474533	8.901	ppbv	100
38) Trichloroethene	7.89	130	686783	8.253	ppbv	98
39) 1,2-Dichloropropane	7.67	63	912295	8.718	ppbv	97
40) 1,4-Dioxane	7.89	88	316975	9.360	ppbv #	91
41) Tetrahydrofuran	6.08	42	1098755	9.060	ppbv	99
42) Bromodichloromethane	7.85	83	1809413	9.101	ppbv	99
43) Methyl Methacrylate	8.07	69	925209	9.617	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

Quantitation Report (Not Reviewed)

Data File : VL034181.D
Acq On : 17 Sep 2019 12:52
Operator : SY/AP
Sample : VL0917ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Quant Time: Sep 19 07:26:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3785606	8.443	ppbv		99
45) t-1,3-Dichloropropene	9.34	75	1153717	10.142	ppbv		99
46) cis-1,3-Dichloropropene	8.76	75	1327470	9.701	ppbv		95
47) 1,1,2-Trichloroethane	9.55	97	837309	8.911	ppbv		96
48) Dibromochloromethane	10.38	129	1361527	9.142	ppbv		99
49) Bromoform	13.12	173	1169022	9.700	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	2725820	8.699	ppbv		99
51) 2-Hexanone	10.20	43	2387170	9.077	ppbv		100
52) Tetrachloroethene	11.30	164	629887	8.186	ppbv		96
53) Toluene	9.87	91	2279265	8.955	ppbv		99
54) 1,2-Dibromoethane	10.68	107	1284222	9.190	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.20	131	911172	9.060	ppbv	#	58
57) Chlorobenzene	12.23	112	1639041	8.348	ppbv		97
58) Ethyl Benzene	12.79	91	3132801	8.610	ppbv		99
59) m/p-Xylene	13.08	91	2309492	7.663	ppbv	#	20
60) o-Xylene	13.78	91	2551772	8.468	ppbv		99
61) Styrene	13.61	104	1929274	8.938	ppbv		99
62) Isopropylbenzene	14.75	105	3317202	8.503	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1885339	7.630	ppbv		100
64) n-propylbenzene	15.65	120	860212	8.716	ppbv		94
65) tert-Butylbenzene	16.83	119	2850908	8.364	ppbv		100
66) Benzyl Chloride	17.09	91	1424083	11.809	ppbv		99
67) sec-Butylbenzene	17.38	105	4103262	8.418	ppbv		99
69) p-Isopropyltoluene	17.74	119	3352040	8.493	ppbv		100
70) n-Butylbenzene	18.64	91	3861164	8.402	ppbv		99
71) 2-Chlorotoluene	15.55	91	2775485	8.708	ppbv		99
72) 4-Ethyltoluene	15.93	105	2936599	8.625	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	2811230	8.547	ppbv		99
74) 1,2,4-Trimethylbenzene	16.86	105	2872670	8.225	ppbv		93
75) 1,3-Dichlorobenzene	17.09	146	1565509	8.355	ppbv		99
76) 1,4-Dichlorobenzene	17.23	146	1605026	8.364	ppbv		99
77) 1,2-Dichlorobenzene	17.91	146	1577030	8.315	ppbv		100
78) Hexachloro-1,3-Butadiene	23.47	225	616262	4.906	ppbv	#	18
79) Naphthalene	22.32	128	2907426	9.456	ppbv		98
80) Naphthalene,2-methyl-	25.05	142	1230275	8.604	ppbv		99
81) 1,2,4-Trichlorobenzene	22.04	180	1427767	8.383	ppbv		100

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

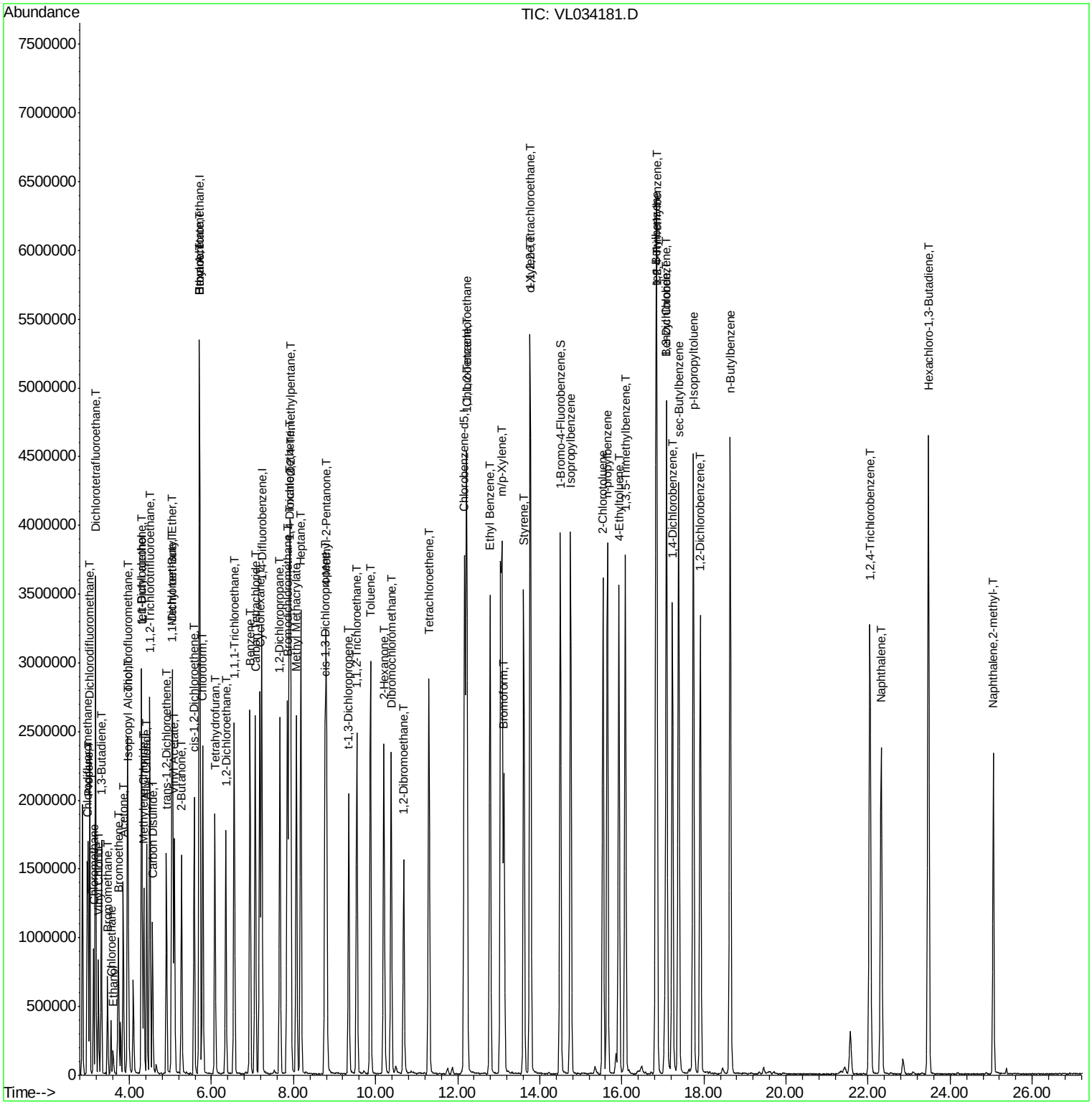
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

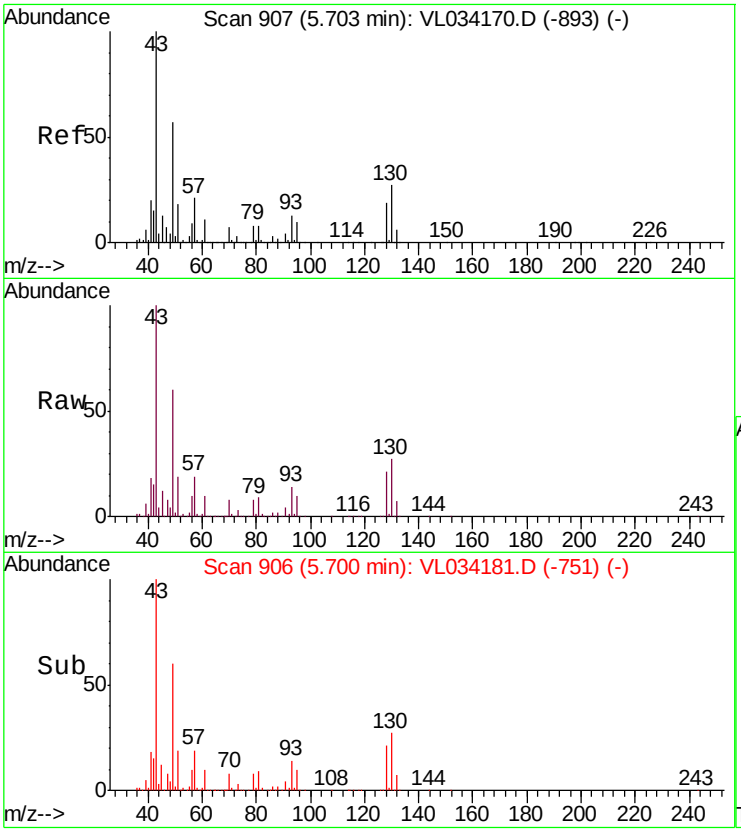
Quantitation Report (Not Reviewed)

Data File : VL034181.D
Acq On : 17 Sep 2019 12:52
Operator : SY/AP
Sample : VL0917ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Quant Time: Sep 19 07:26:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



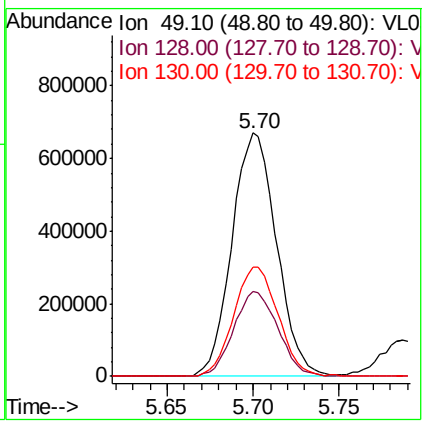


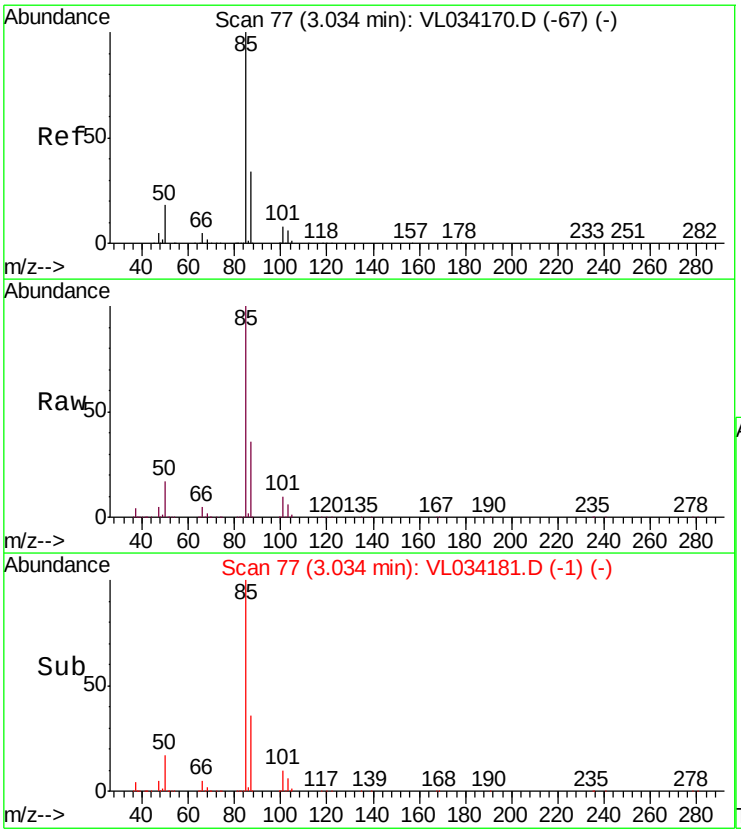
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 49 Resp: 1203472

Ion	Ratio	Lower	Upper
49	100		
128	35.0	17.6	52.9
130	45.0	22.3	66.9

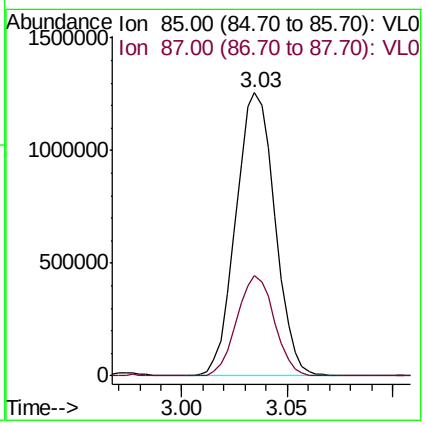


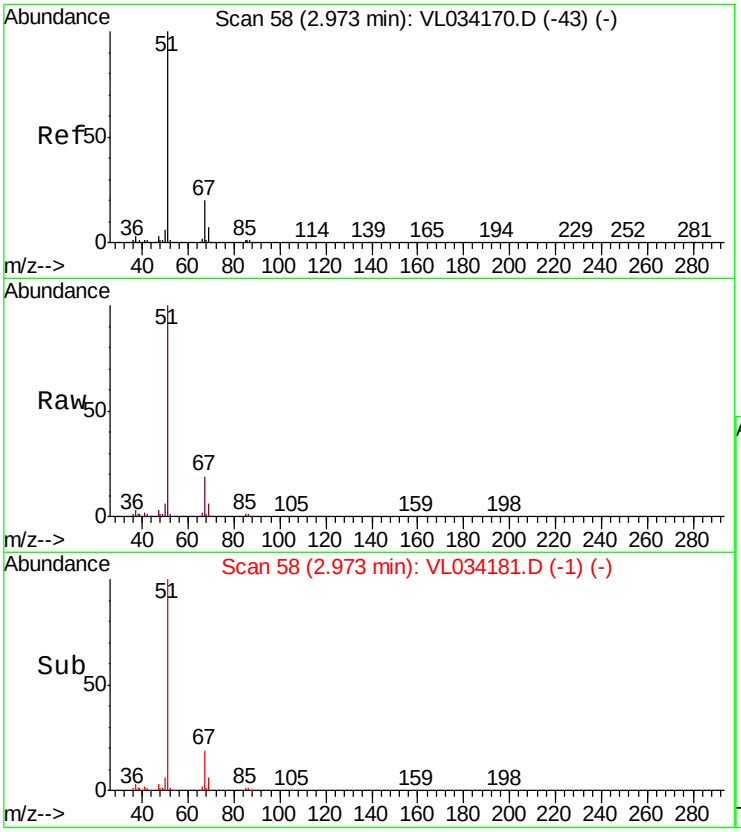


#2
Dichlorodifluoromethane
Concen: 9.115 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 85 Resp: 1620263

Ion	Ratio	Lower	Upper
85	100		
87	35.6	27.2	40.8



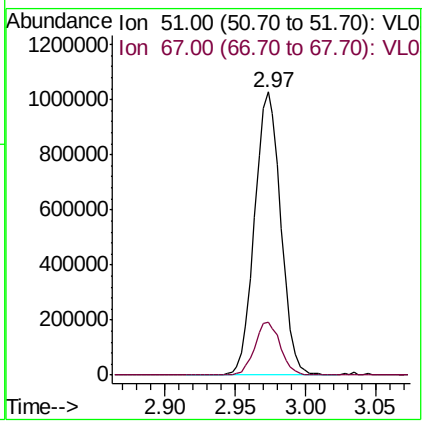


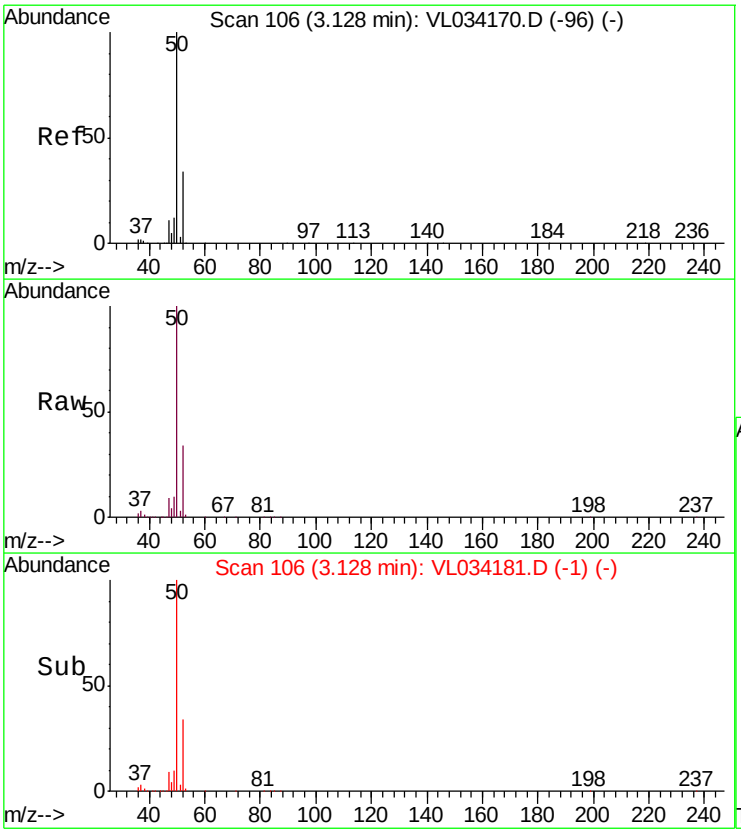
#3
Chlorodifluoromethane
Concen: 9.463 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 51 Resp: 1335363

Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.8	22.2

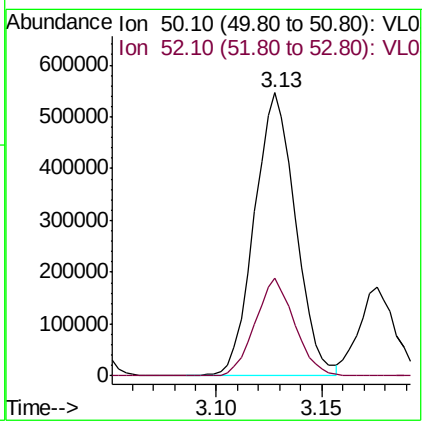


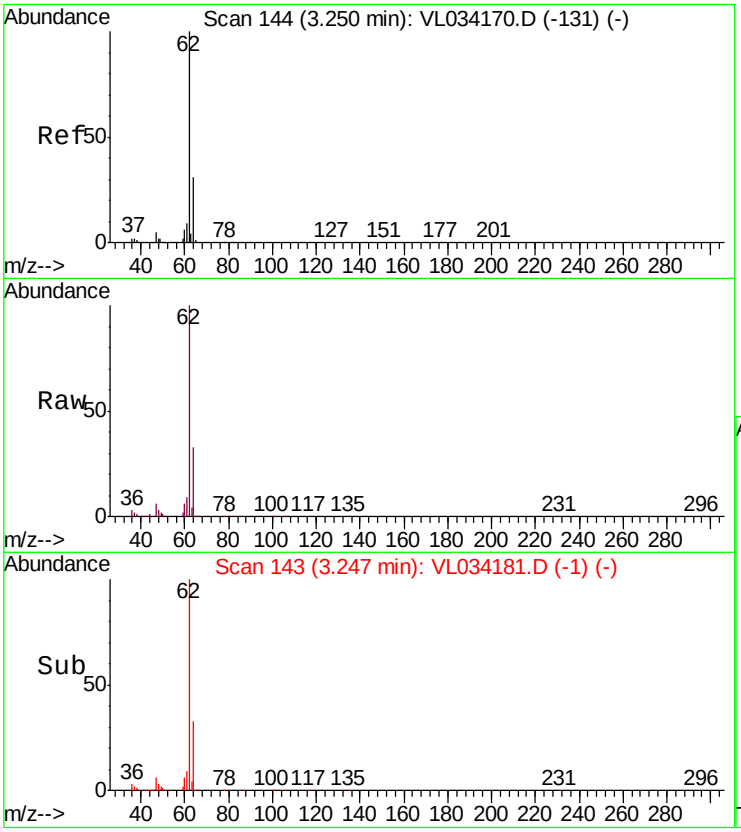


#4
Chloromethane
Concen: 8.985 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 50 Resp: 745032

Ion	Ratio	Lower	Upper
50	100		
52	34.4	27.1	40.7



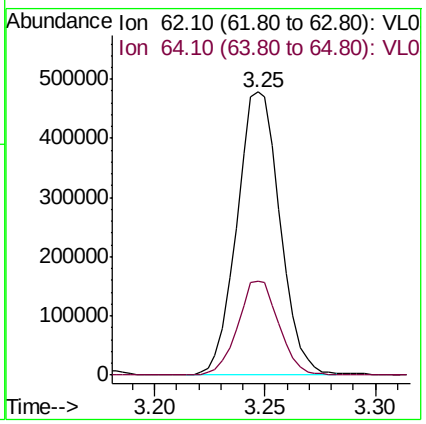


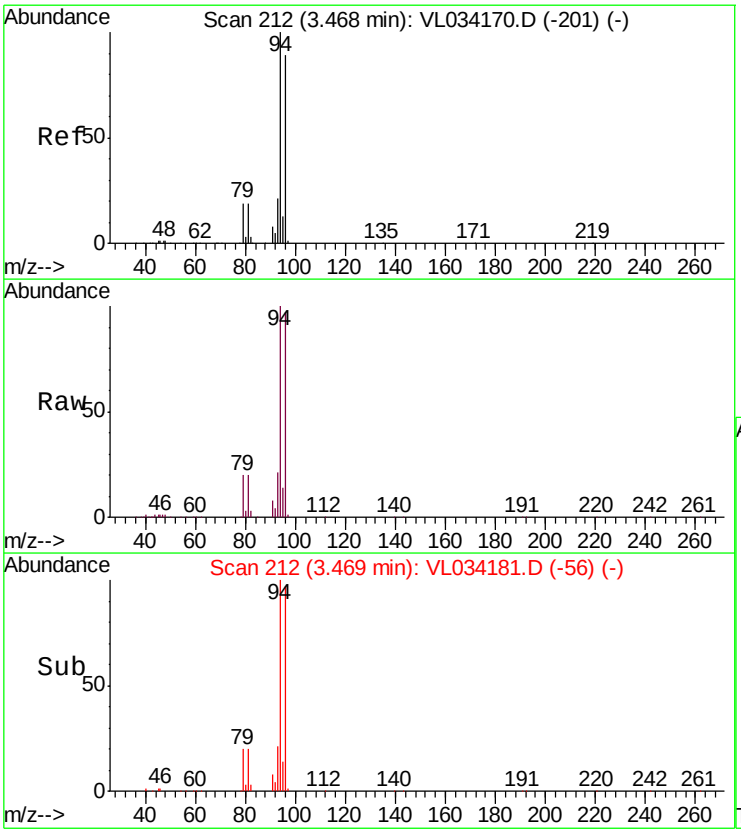
#5
Vinyl Chloride
Concen: 8.606 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 62 Resp: 652158

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.2	37.8

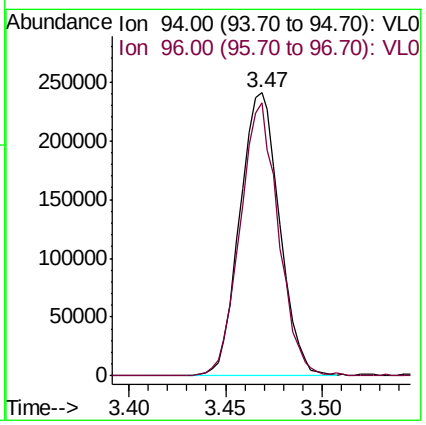


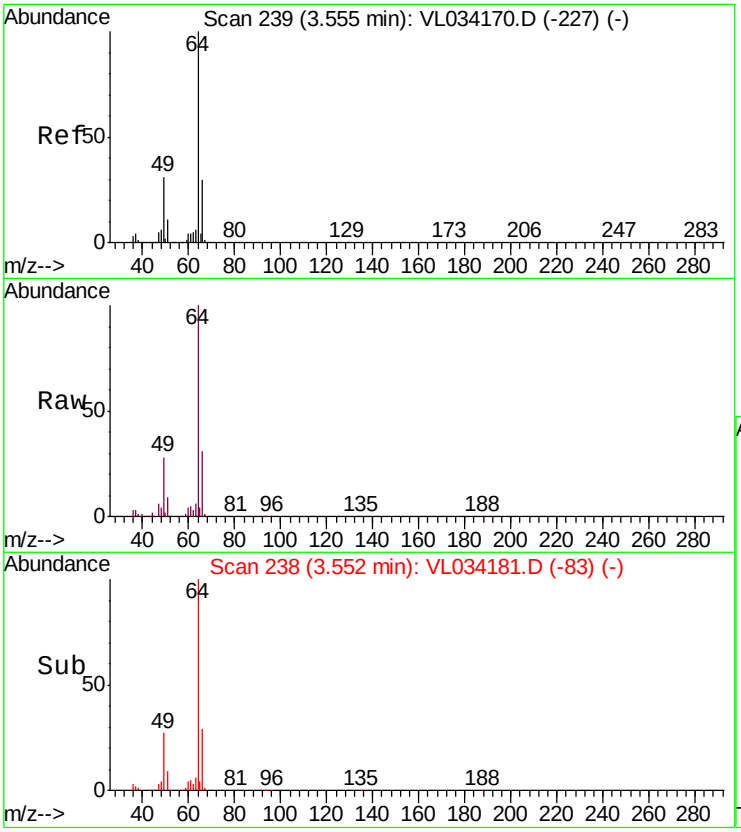


#6
Bromomethane
Concen: 9.735 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 94 Resp: 344201

Ion	Ratio	Lower	Upper
94	100		
96	96.7	71.3	106.9



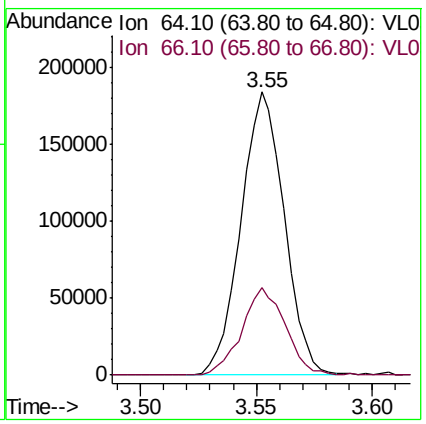


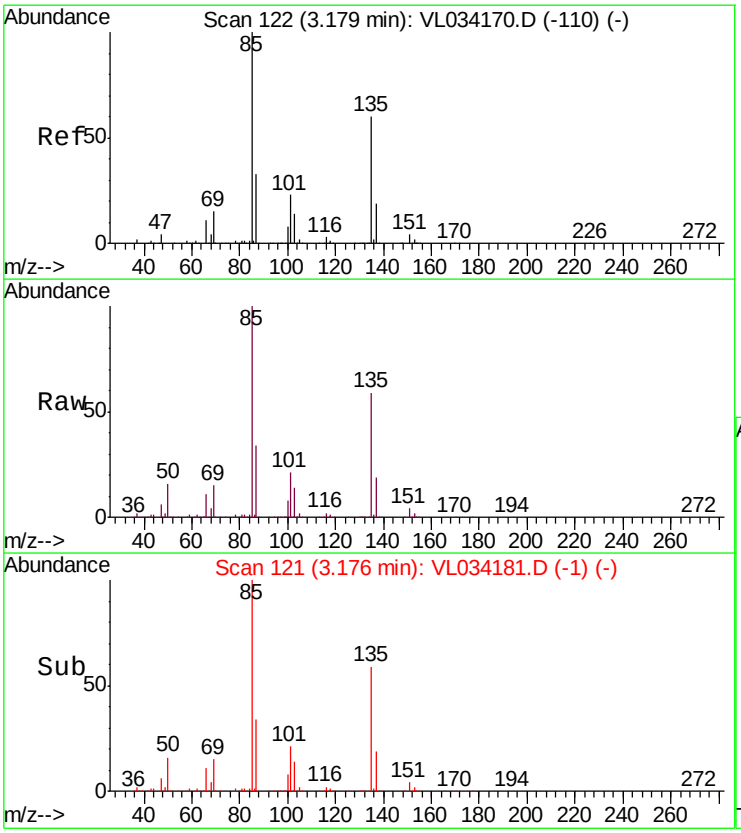
#7
Chloroethane
Concen: 9.049 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 64 Resp: 239674

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.2	36.4

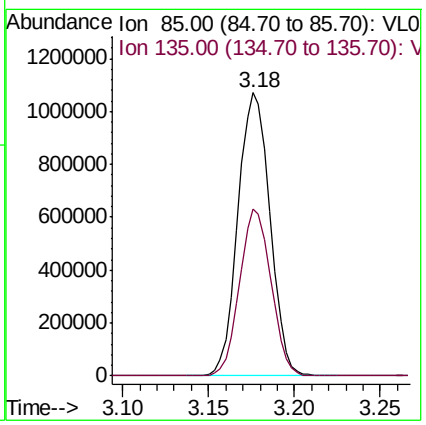


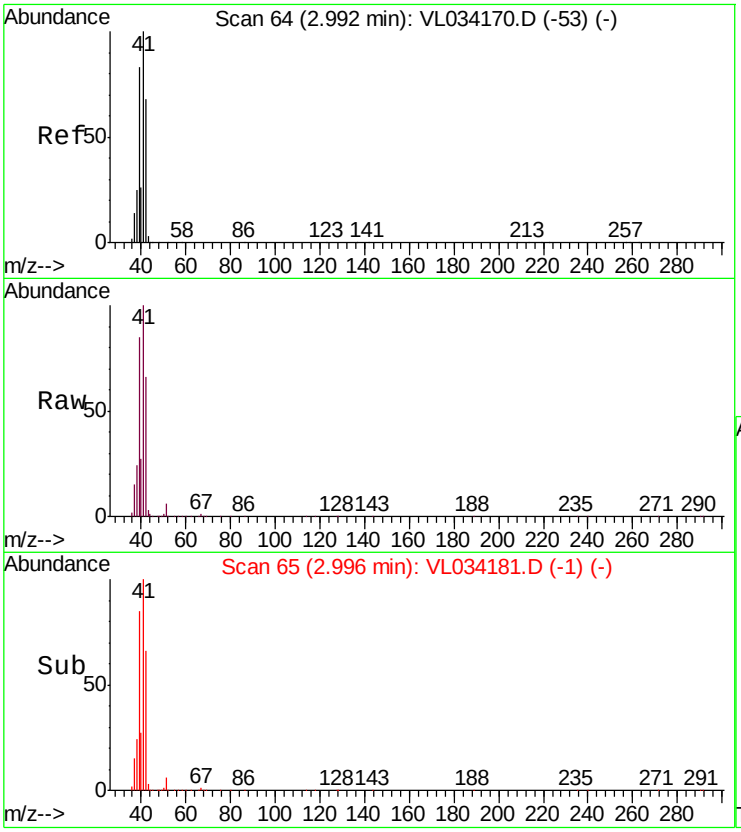


#8
Dichlorotetrafluoroethane
Concen: 8.840 ppbv
RT: 3.18 min Scan# 121
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 85 Resp: 1386899

Ion	Ratio	Lower	Upper
85	100		
135	58.0	47.3	70.9



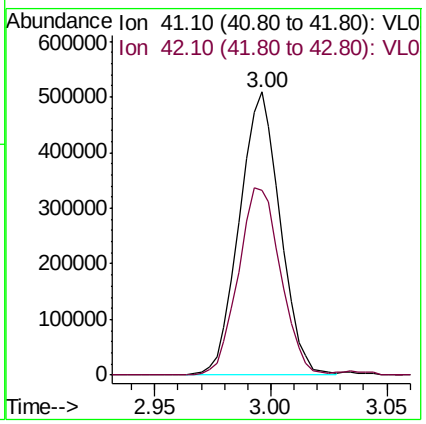


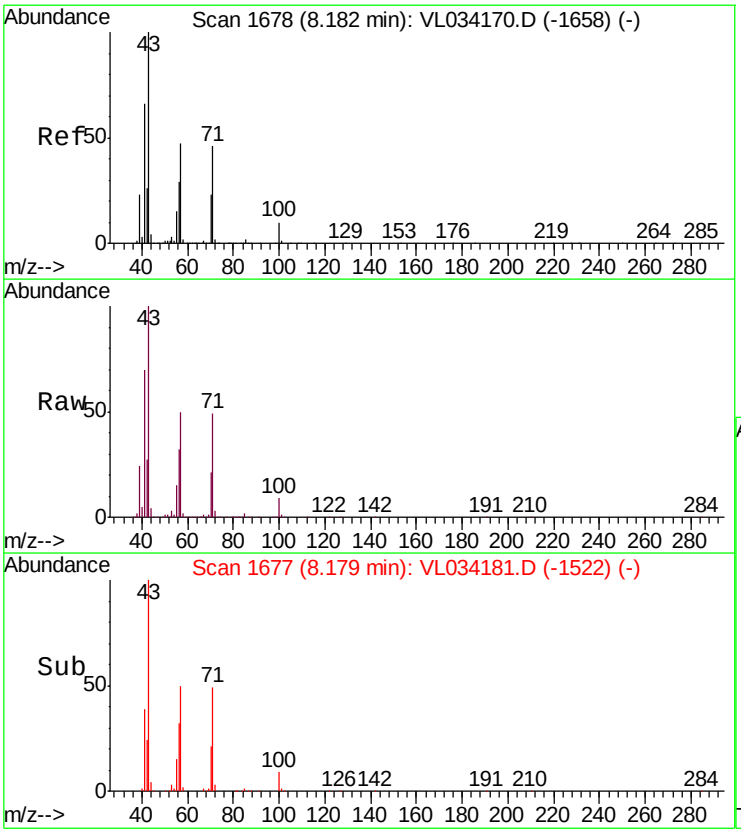
#9
Propene
Concen: 8.921 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 41 Resp: 621103

Ion	Ratio	Lower	Upper
41	100		
42	70.5	55.8	83.6

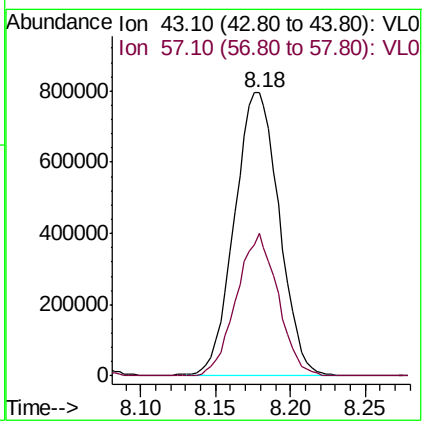


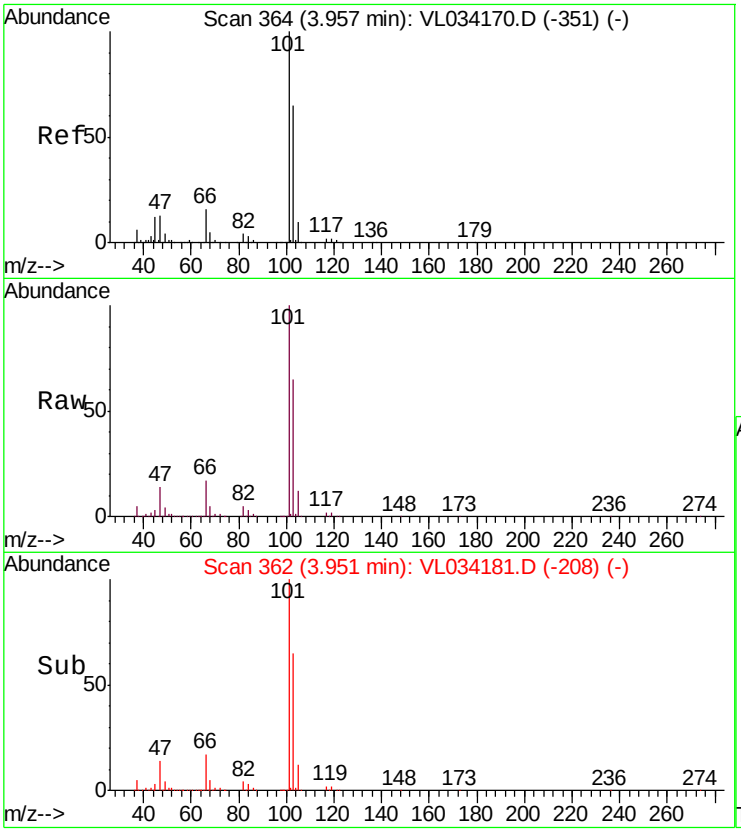


#10
Heptane
Concen: 9.058 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 43 Resp: 1643431

Ion	Ratio	Lower	Upper
43	100		
57	46.9	37.5	56.3



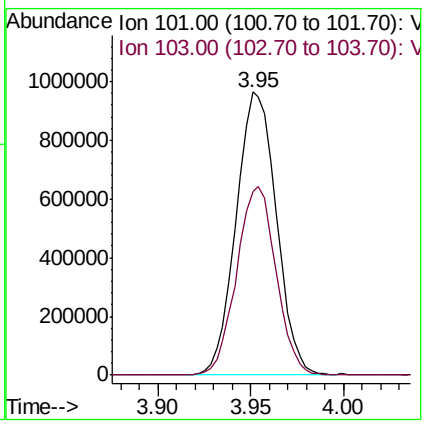


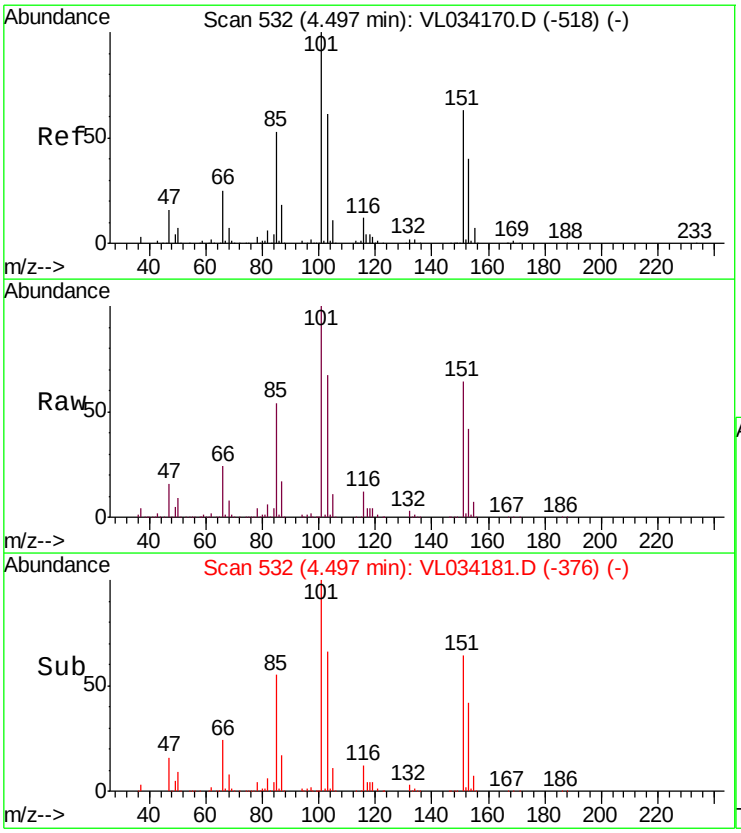
#11
Trichlorofluoromethane
Concen: 9.019 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion:101 Resp: 1459443

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

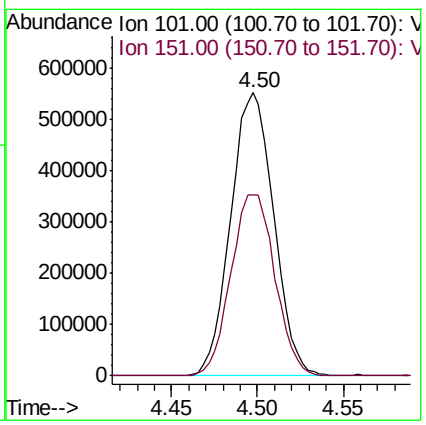


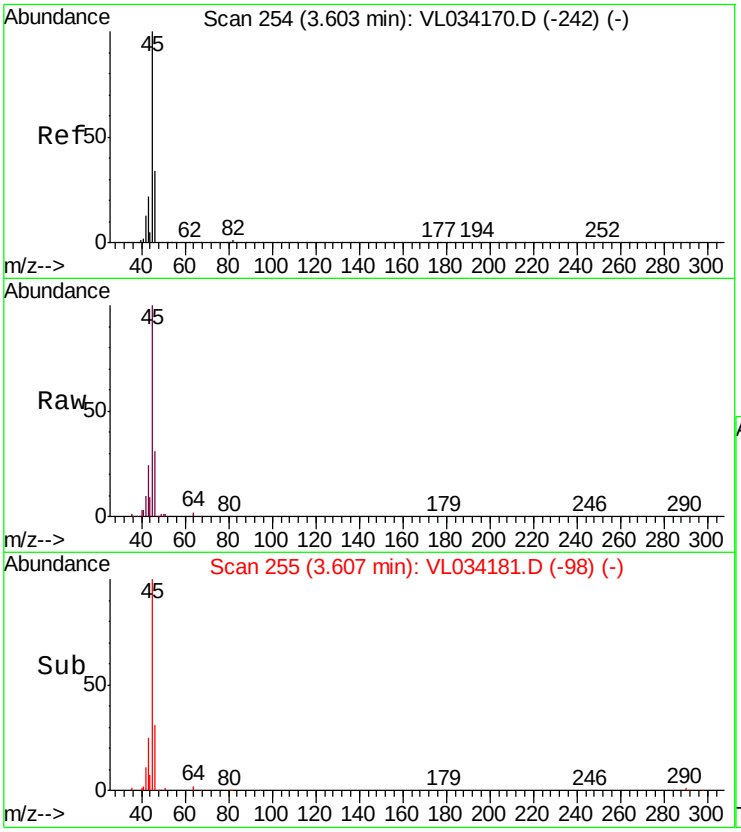


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.097 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:101 Resp: 963342

Ion	Ratio	Lower	Upper
101	100		
151	65.6	51.8	77.8



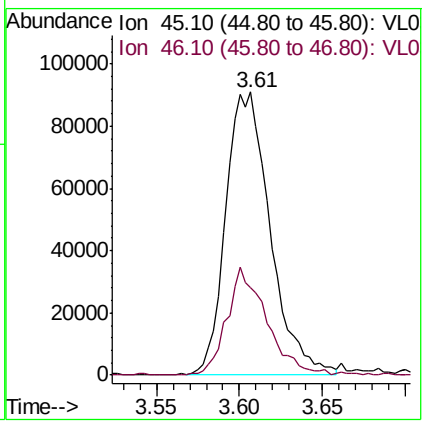


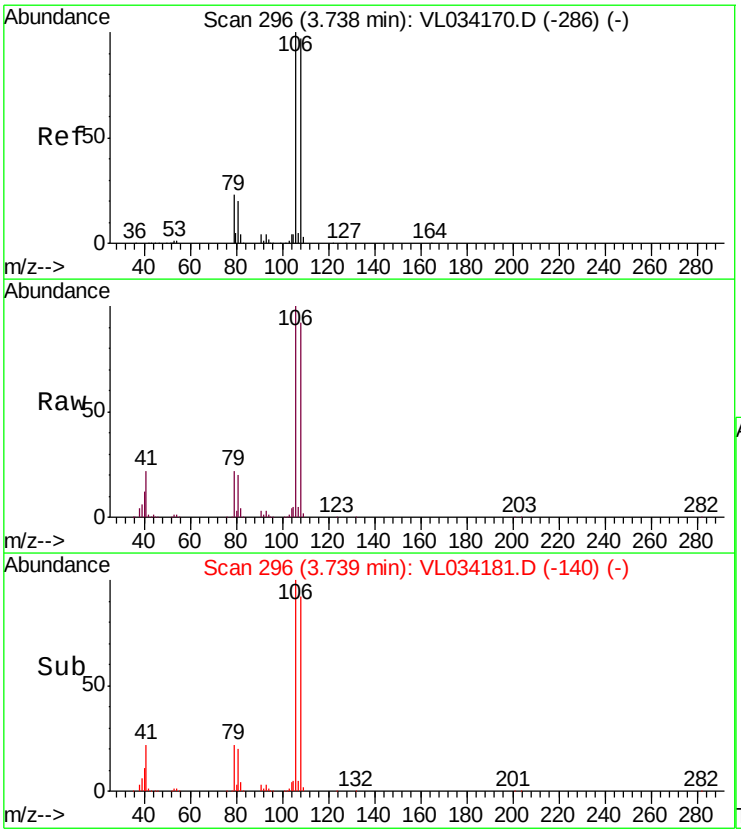
#13
Ethanol
Concen: 10.064 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 45 Resp: 169655

Ion	Ratio	Lower	Upper
45	100		
46	34.6	15.5	61.9

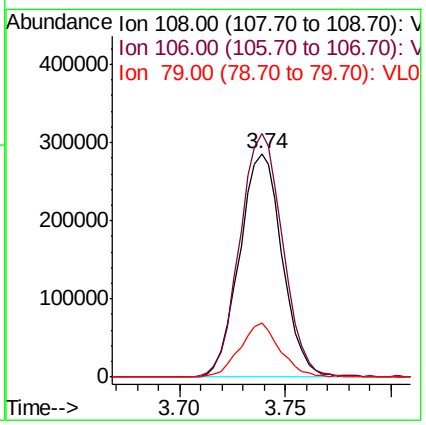


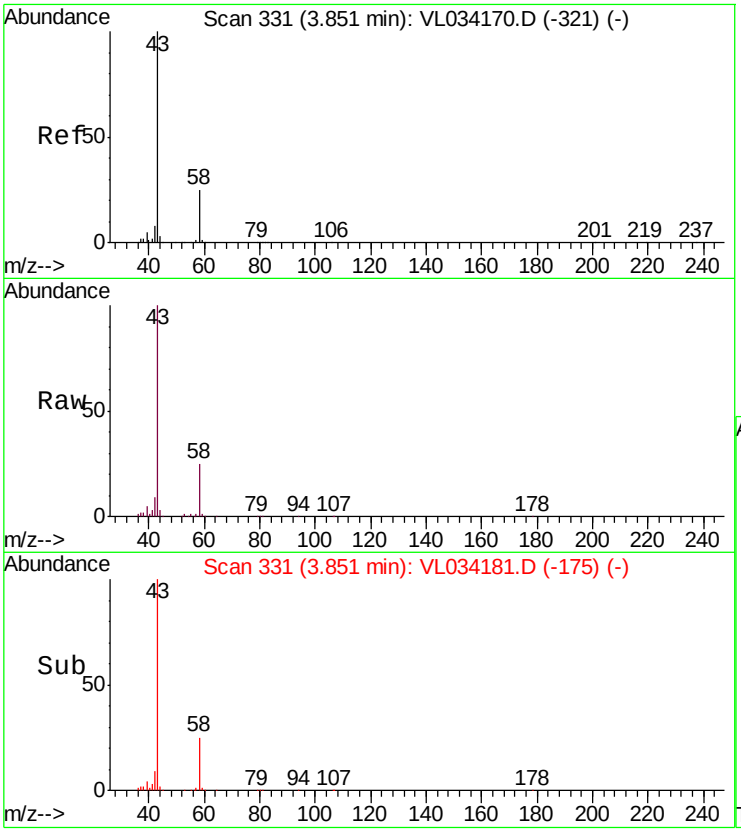


#14
Bromoethene
Concen: 9.266 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:108 Resp: 401199

Ion	Ratio	Lower	Upper
108	100		
106	110.7	86.2	129.4
79	23.1	18.6	27.8



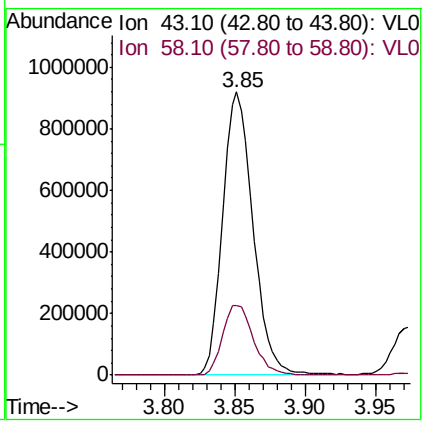


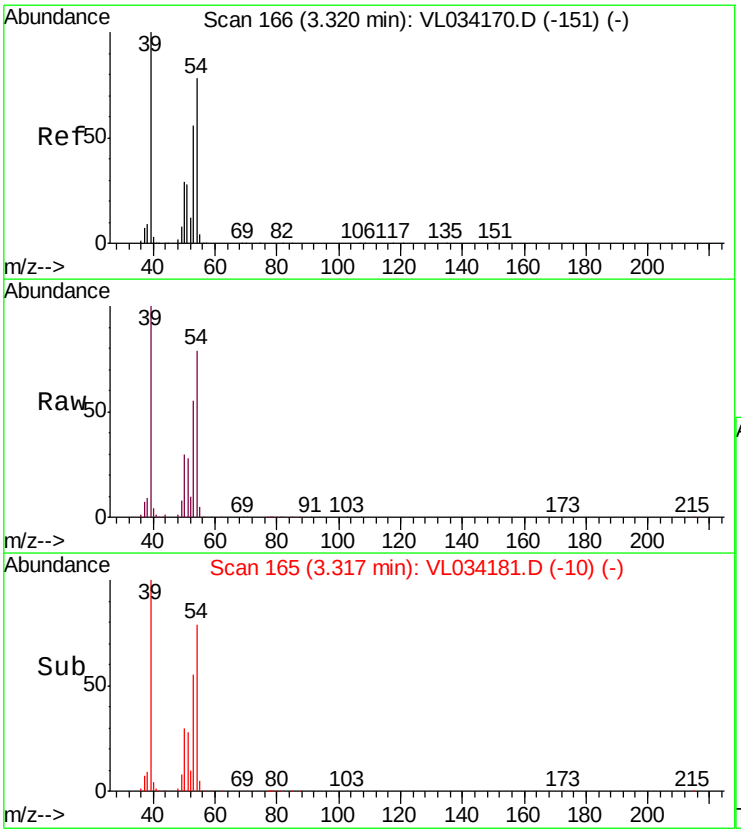
#15
Acetone
Concen: 8.587 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 43 Resp: 1385081

Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.5	30.7

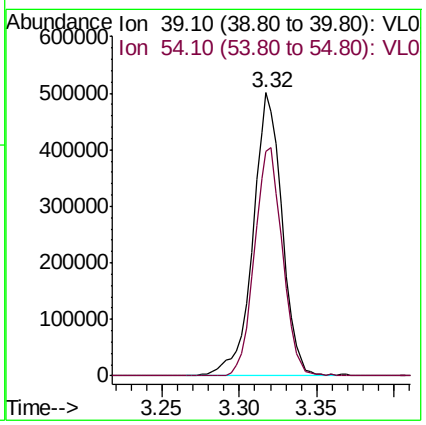


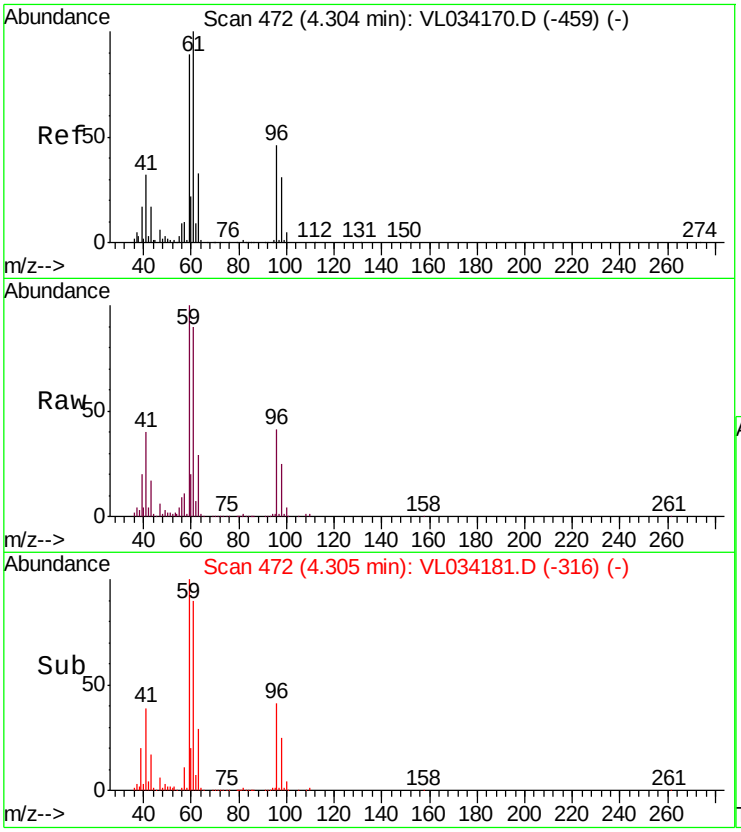


#16
1,3-Butadiene
Concen: 9.366 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 39 Resp: 659325

Ion	Ratio	Lower	Upper
39	100		
54	77.6	63.4	95.0



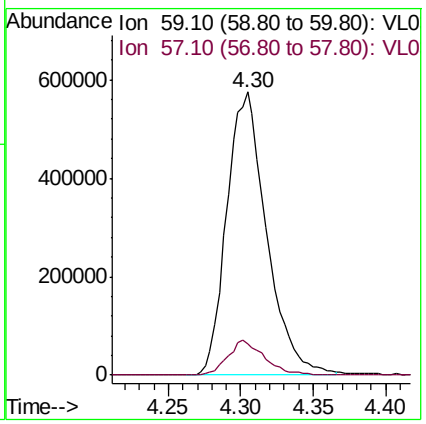


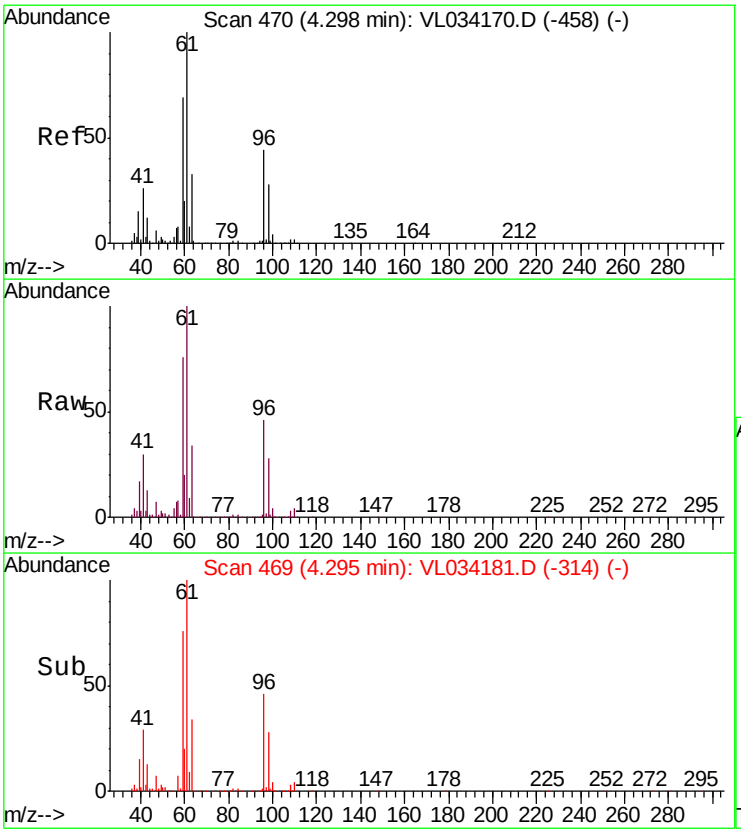
#17
tert-Butyl alcohol
Concen: 10.734 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 59 Resp: 1097043

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.7	13.1

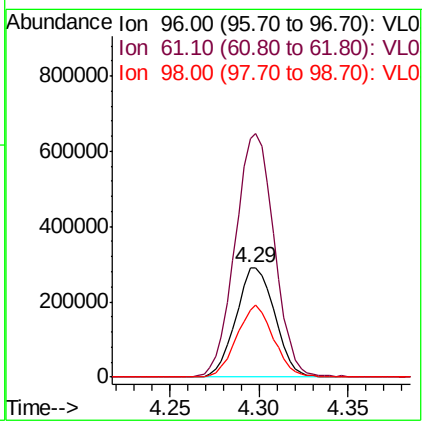


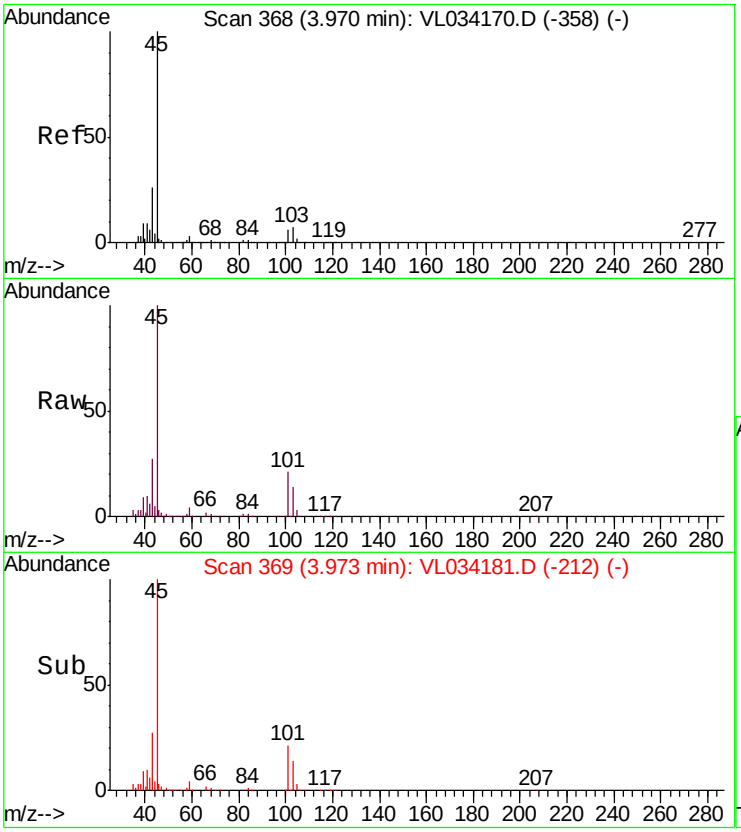


#18
1,1-Dichloroethene
Concen: 9.577 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 96 Resp: 442360

Ion	Ratio	Lower	Upper
96	100		
61	217.7	183.3	274.9
98	61.5	51.4	77.2



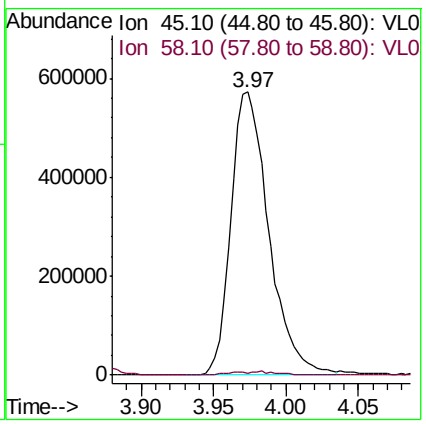


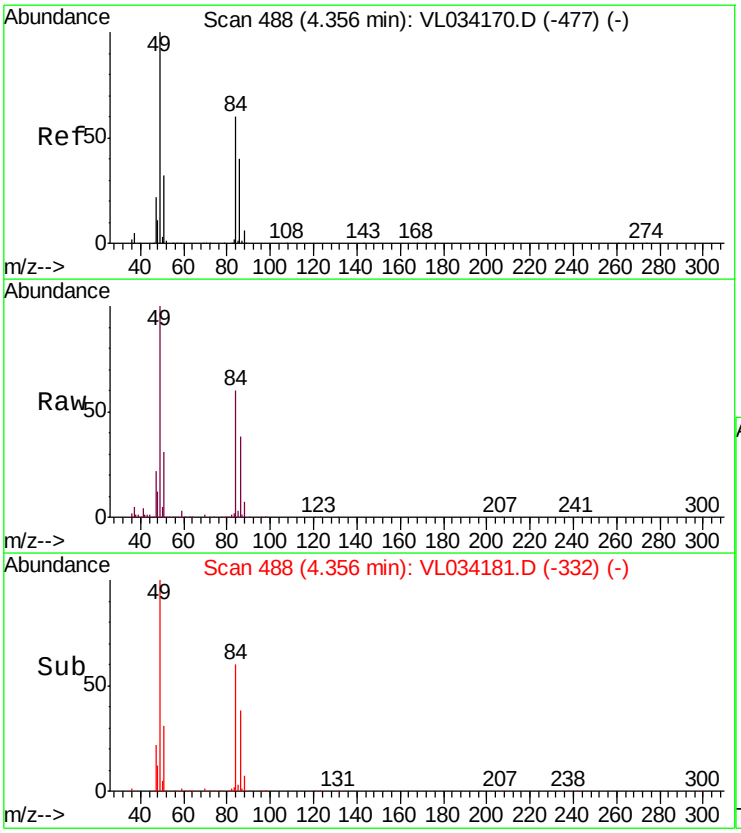
#19
Isopropyl Alcohol
Concen: 10.459 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 45 Resp: 1037402

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.4	2.0

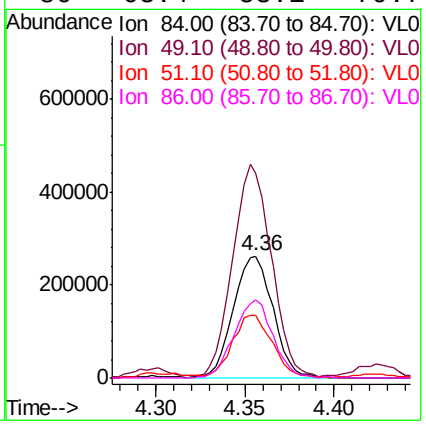


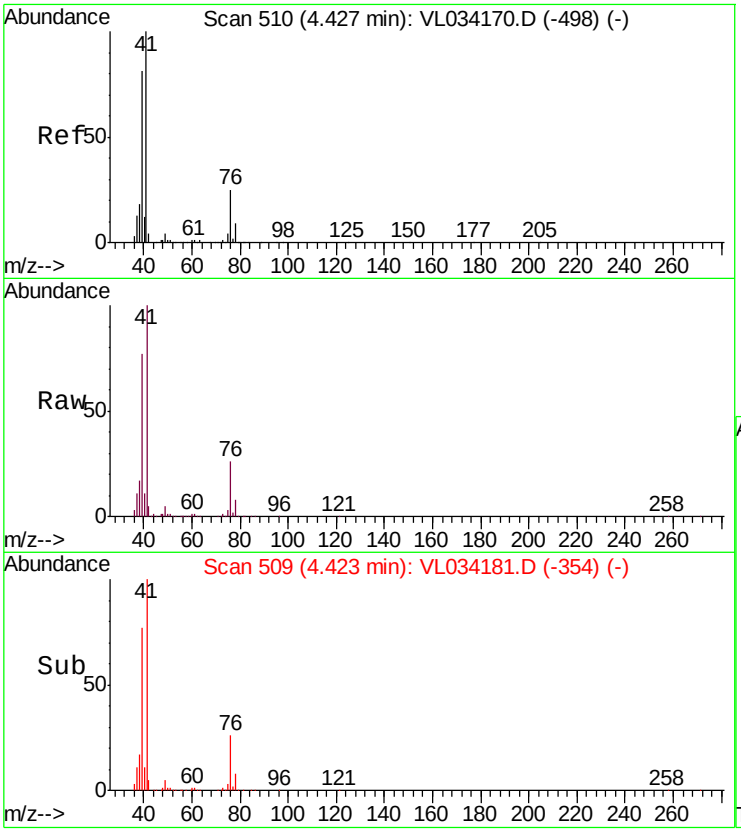


#20
Methylene Chloride
Concen: 8.691 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 84 Resp: 404201

Ion	Ratio	Lower	Upper
84	100		
49	165.8	133.8	200.8
51	49.9	43.6	65.4
86	63.4	53.1	79.7



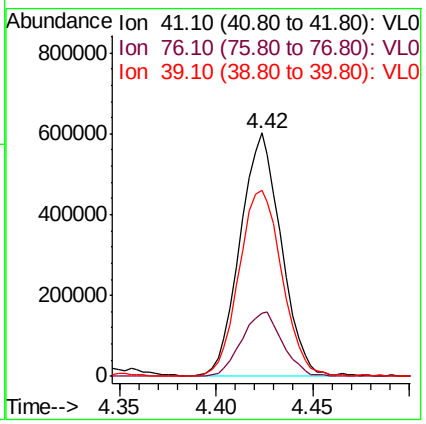


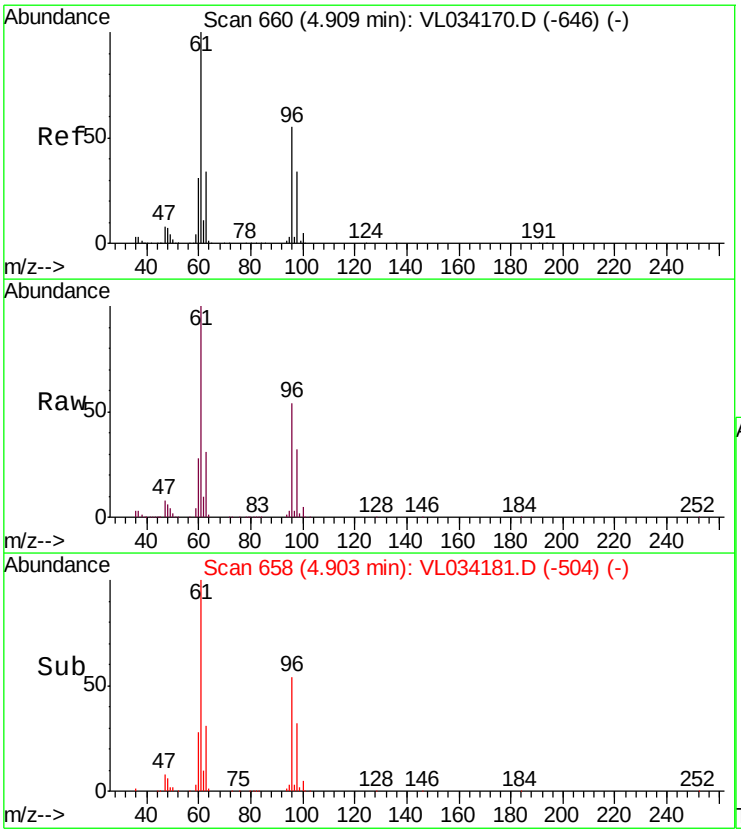
#21
Allyl Chloride
Concen: 9.658 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 41 Resp: 879865

Ion	Ratio	Lower	Upper
41	100		
76	26.7	21.8	32.6
39	81.2	64.8	97.2

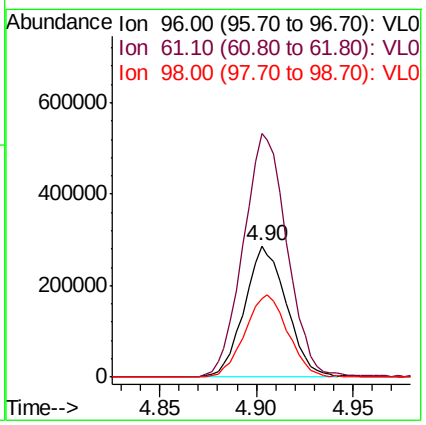


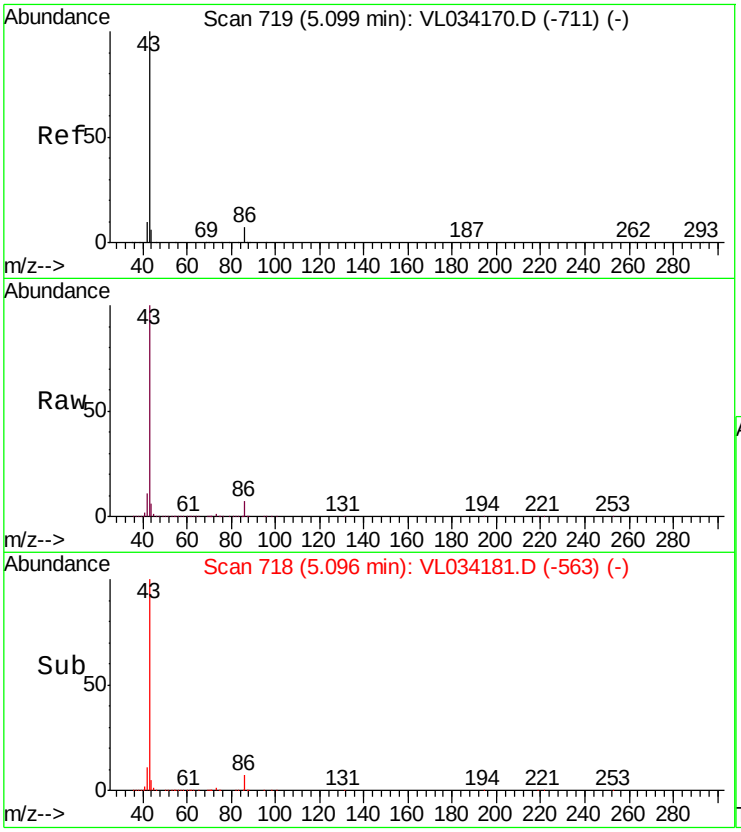


#22
trans-1,2-Dichloroethene
Concen: 9.394 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 96 Resp: 434115

Ion	Ratio	Lower	Upper
96	100		
61	185.9	145.5	218.3
98	60.0	49.9	74.9



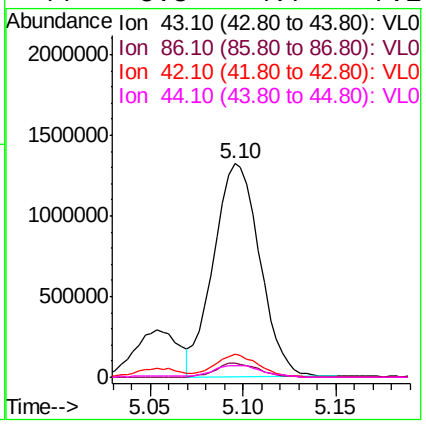


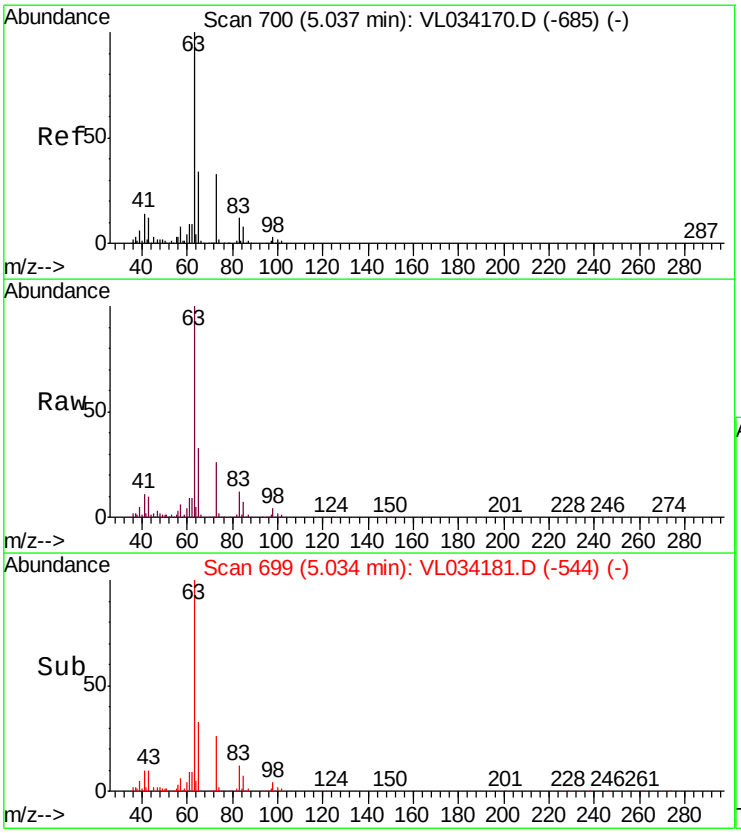
#23
Vinyl Acetate
Concen: 9.583 ppbv
RT: 5.10 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 43 Resp: 2277662

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.1	7.7
42	10.9	8.6	12.8
44	5.3	4.7	7.1

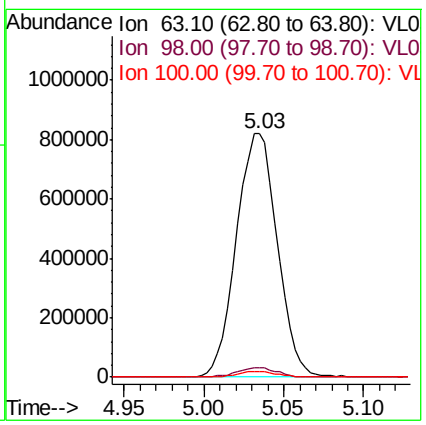


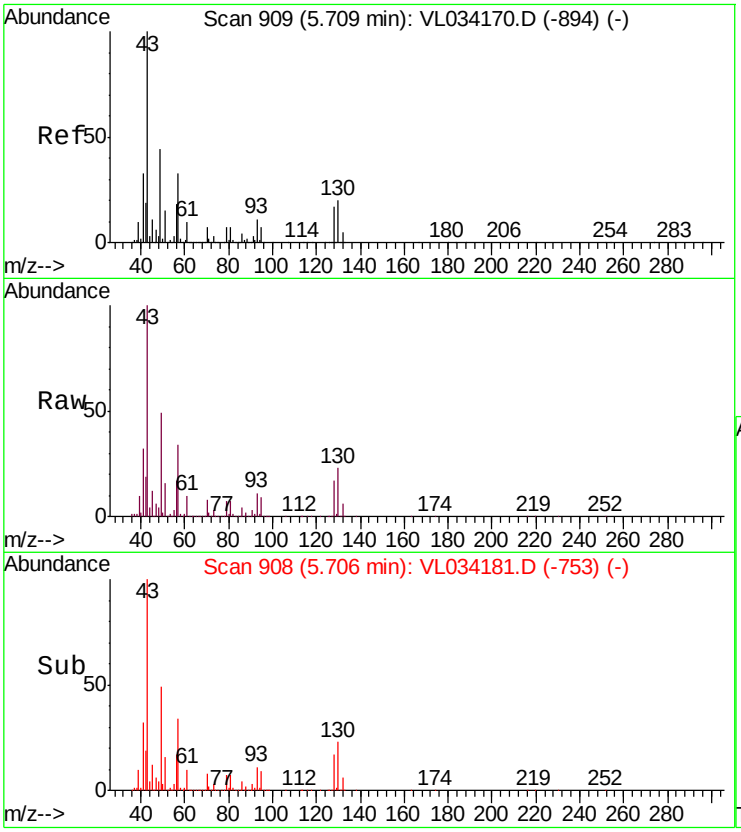


#24
1,1-Dichloroethane
Concen: 8.909 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 63 Resp: 1425774

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.8	5.3
100	2.0	1.0	3.0



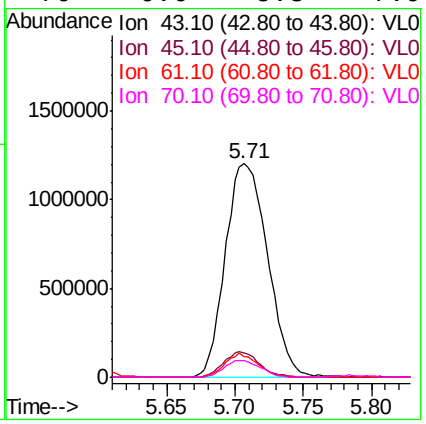


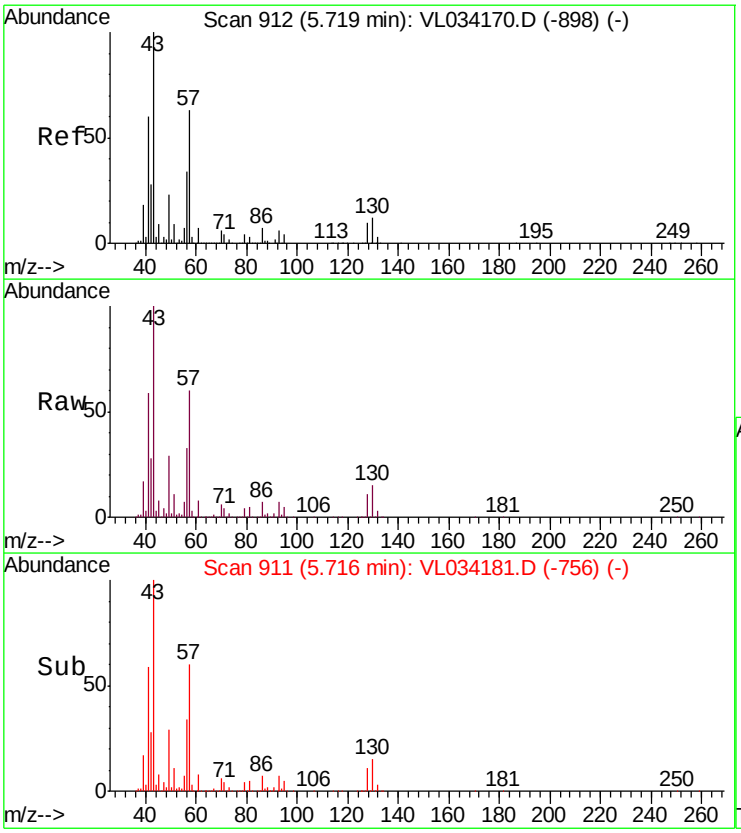
#25
Ethyl Acetate
Concen: 8.477 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 43 Resp: 2585653

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	8.9	7.2	10.8
70	6.6	5.3	7.9

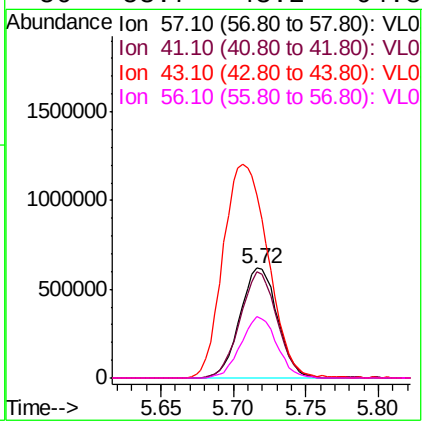


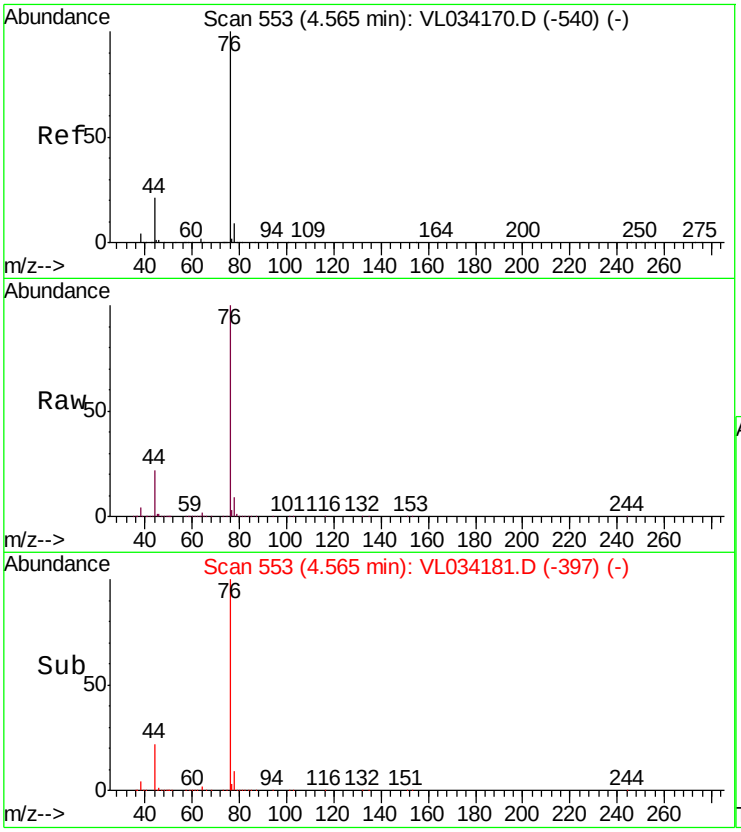


#26
Hexane
Concen: 8.791 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 57 Resp: 1115401

Ion	Ratio	Lower	Upper
57	100		
41	95.2	78.5	117.7
43	233.5	189.5	284.3
56	53.7	43.2	64.8



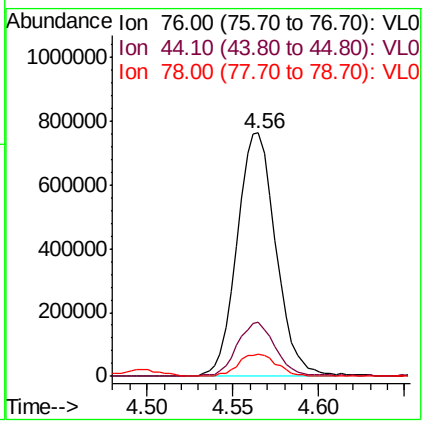


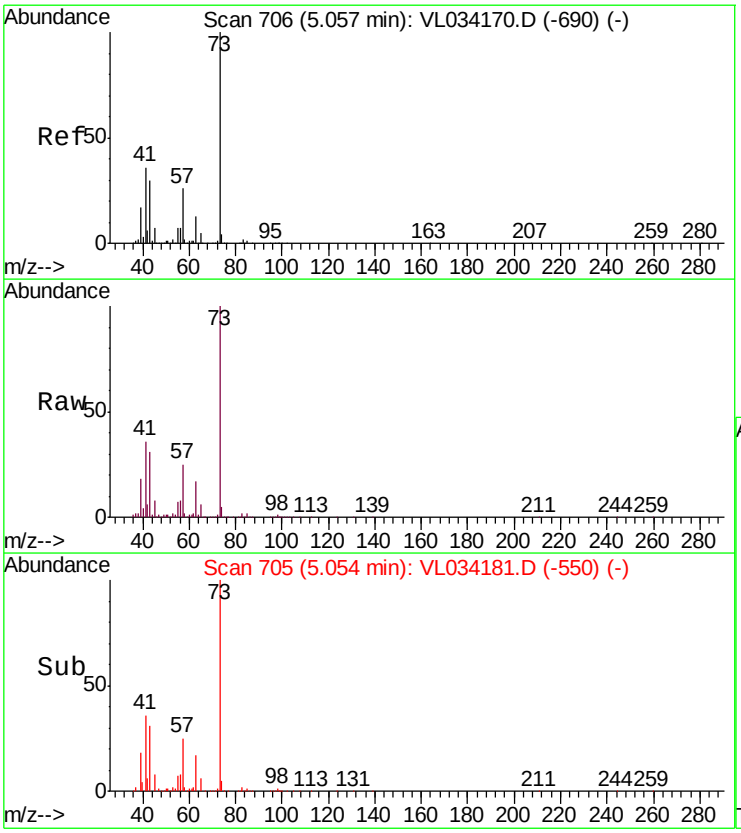
#27
Carbon Disulfide
Concen: 10.218 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 76 Resp: 1195645

Ion	Ratio	Lower	Upper
76	100		
44	22.1	17.6	26.4
78	9.1	7.6	11.4

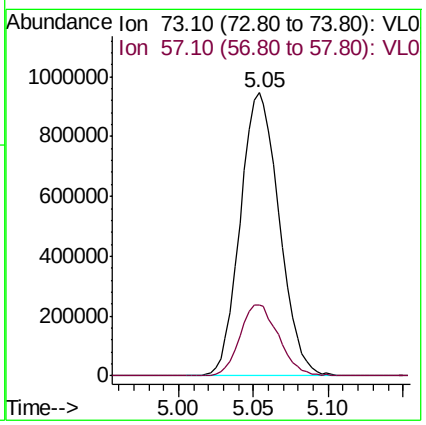


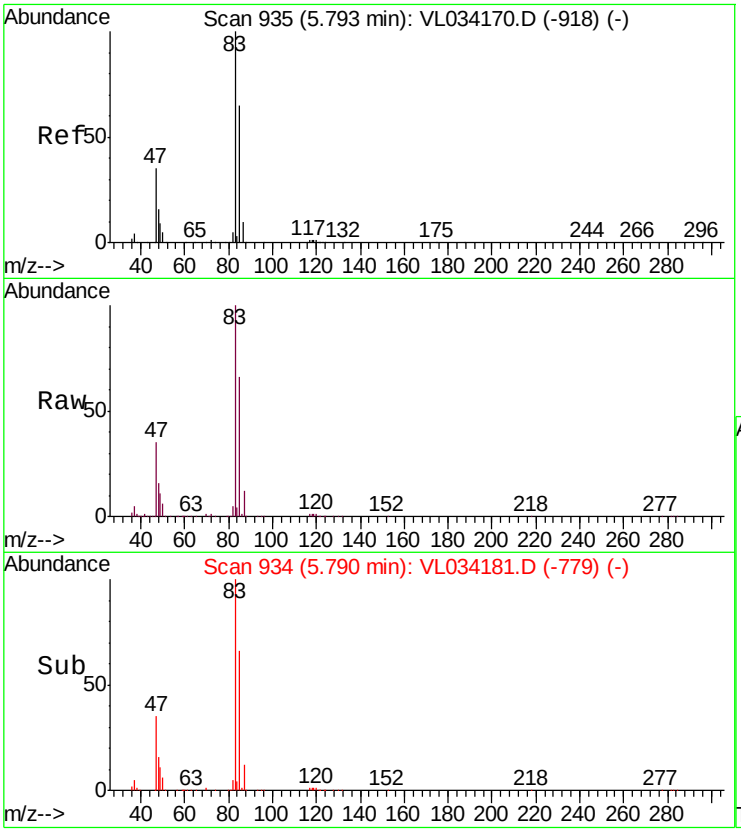


#28
Methyl tert-Butyl Ether
Concen: 9.130 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 73 Resp: 1720406

Ion	Ratio	Lower	Upper
73	100		
57	25.1	20.2	30.2



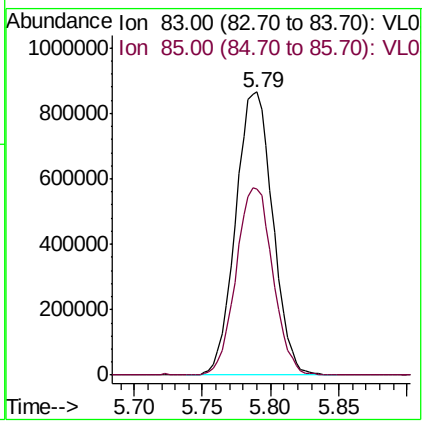


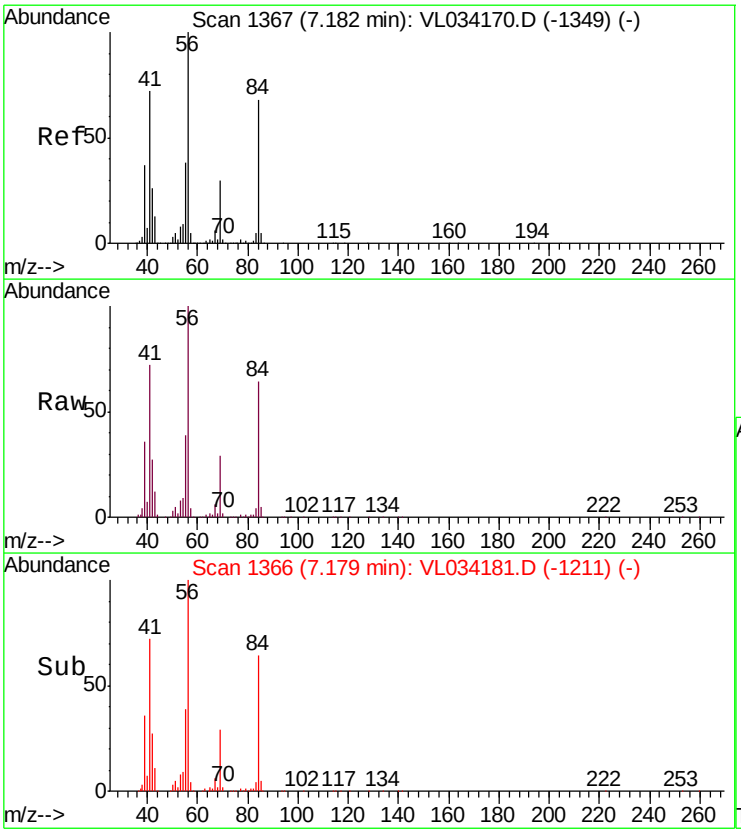
#29
Chloroform
Concen: 9.002 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 83 Resp: 1632133

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.3	78.5

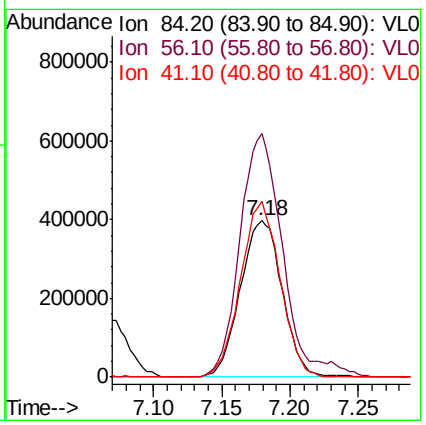


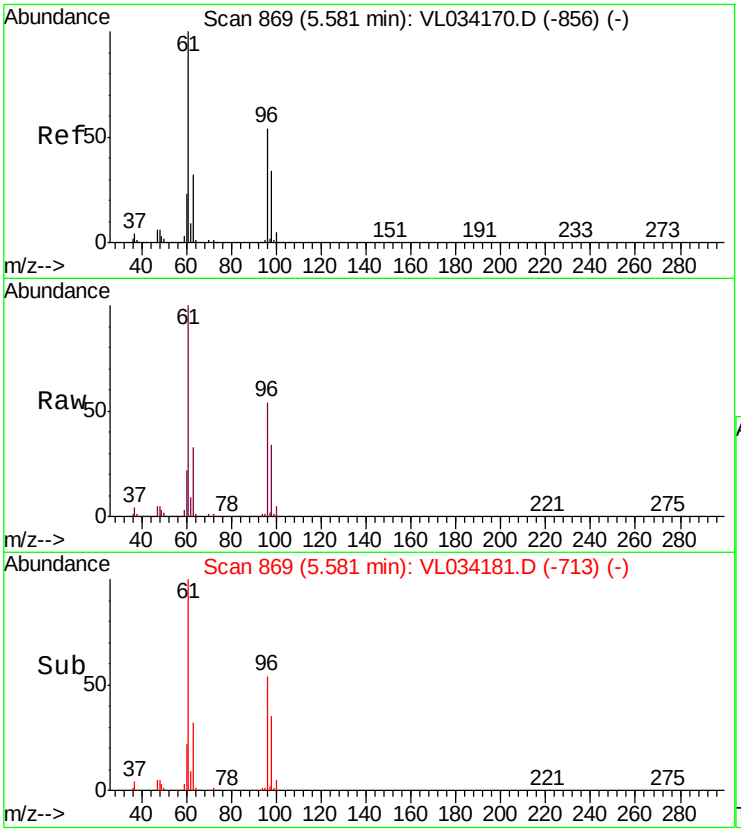


#30
Cyclohexane
Concen: 9.237 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 84 Resp: 846136

Ion	Ratio	Lower	Upper
84	100		
56	160.0	126.2	189.2
41	106.4	85.8	128.8



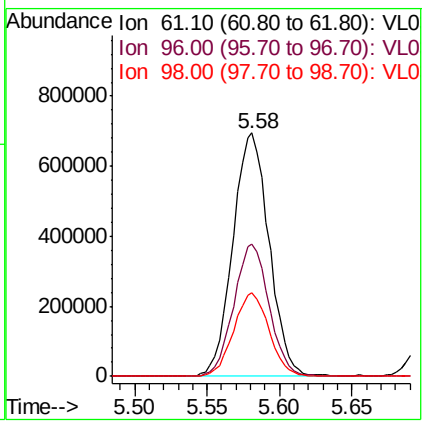


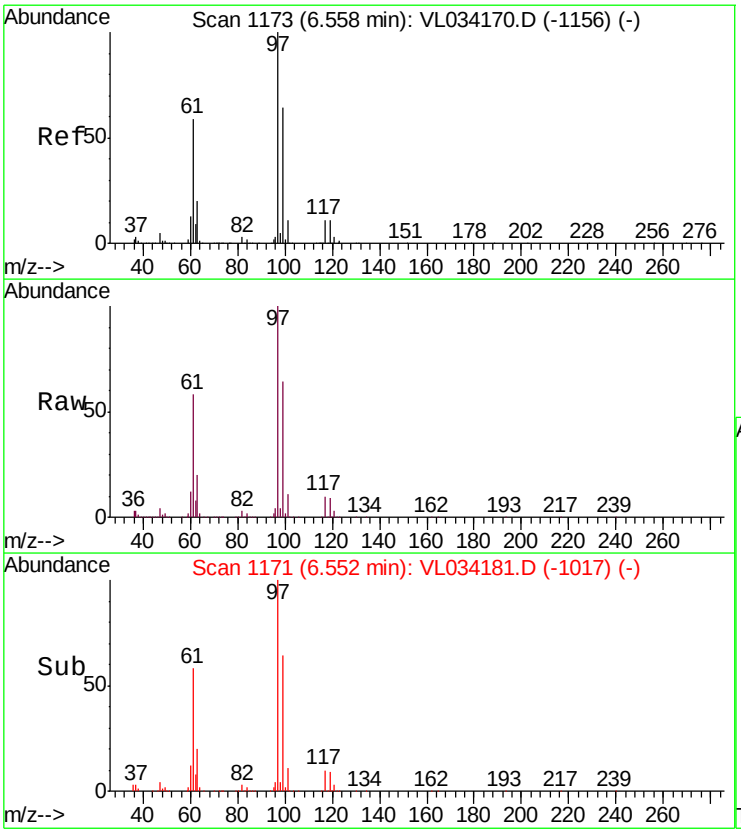
#31
cis-1,2-Dichloroethene
Concen: 9.293 ppbv
RT: 5.58 min Scan# 869
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 61 Resp: 1202008

Ion	Ratio	Lower	Upper
61	100		
96	54.3	43.0	64.4
98	34.5	27.2	40.8

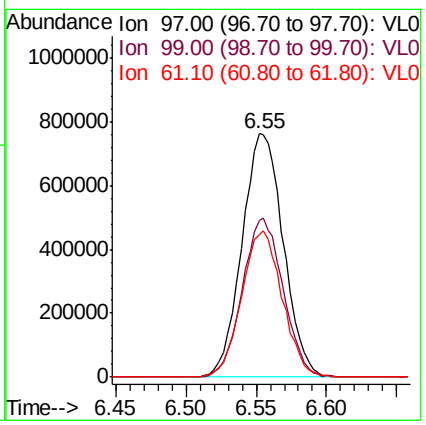


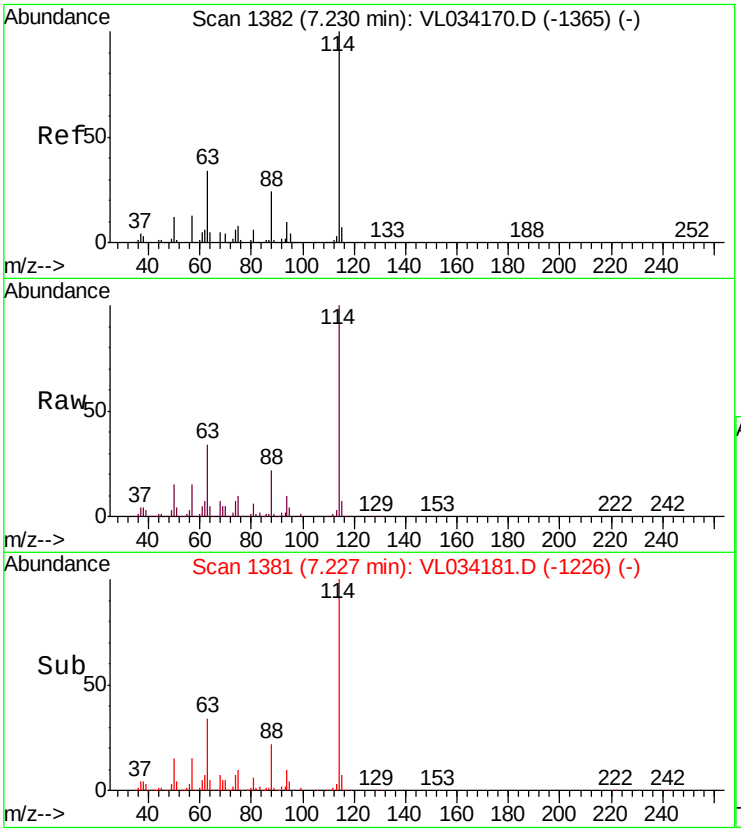


#32
1,1,1-Trichloroethane
Concen: 8.935 ppbv
RT: 6.55 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 97 Resp: 1562414

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.2
61	59.2	48.4	72.6



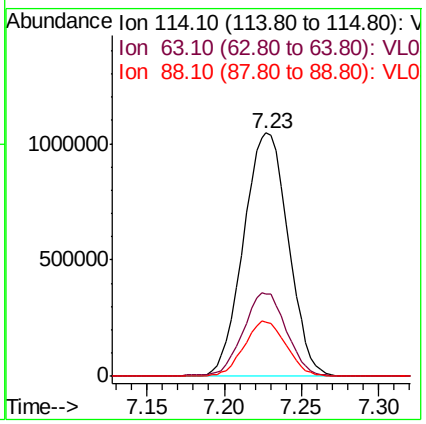


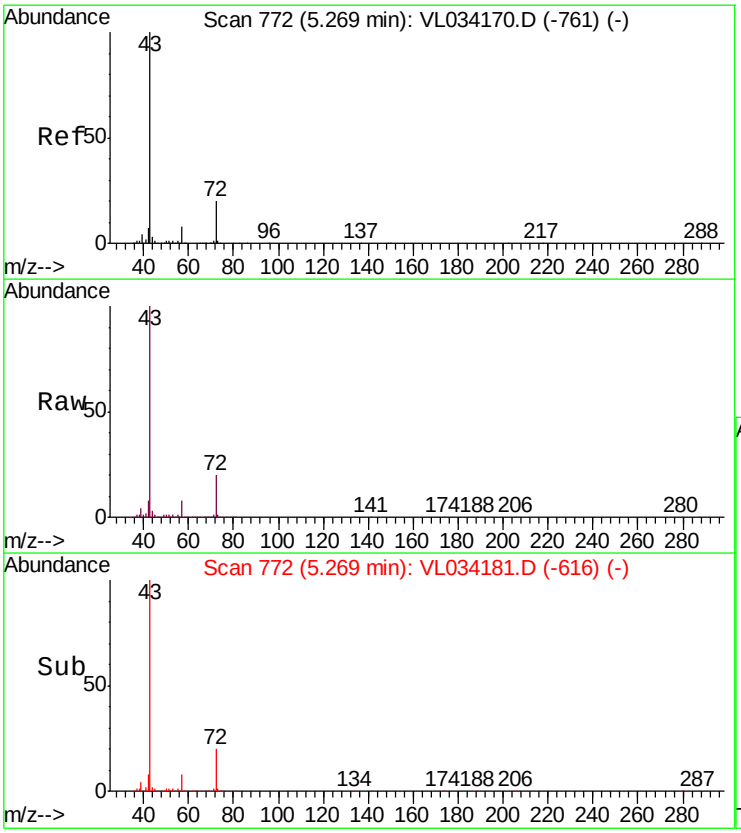
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:114 Resp: 2108746

Ion	Ratio	Lower	Upper
114	100		
63	33.5	27.8	41.6
88	21.3	17.1	25.7

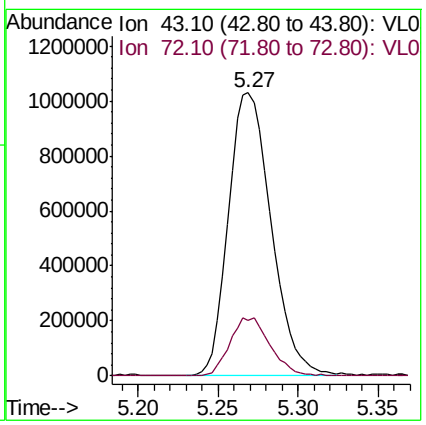


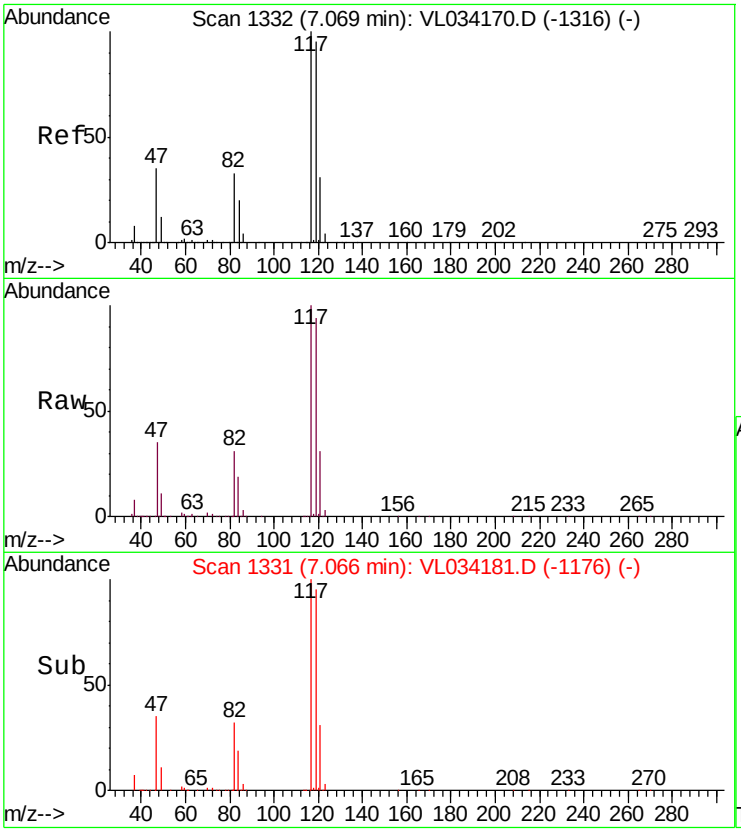


#34
2-Butanone
Concen: 8.642 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 43 Resp: 1860682

Ion	Ratio	Lower	Upper
43	100		
72	19.4	15.0	22.6

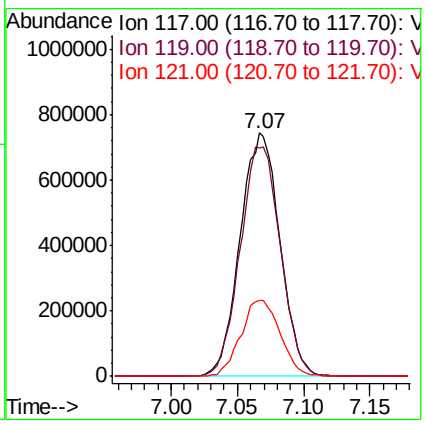




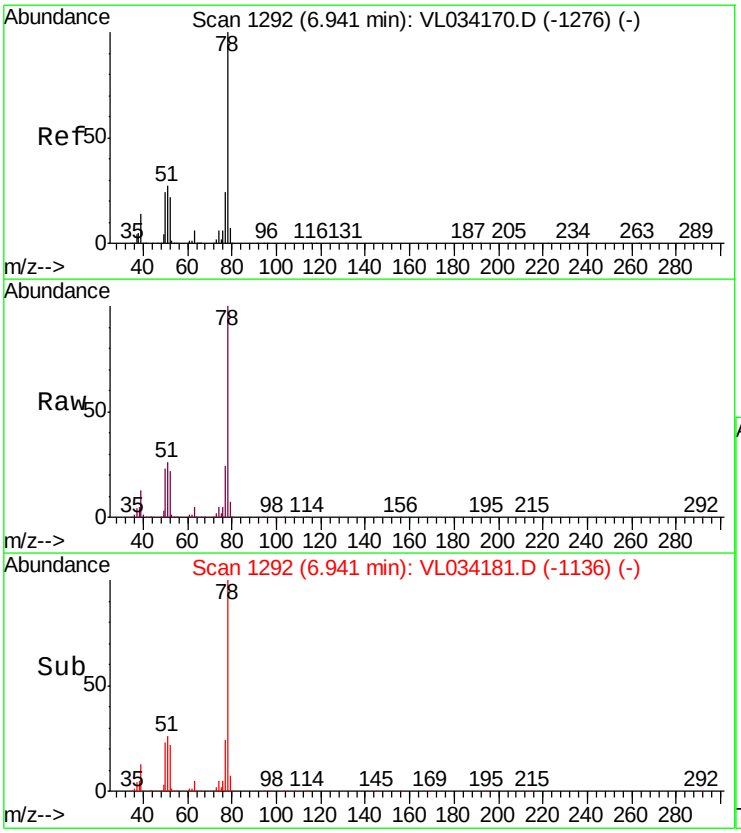
#35
Carbon Tetrachloride
Concen: 8.860 ppbv
RT: 7.07 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:117 Resp: 1552131

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.8	113.6
121	31.3	25.0	37.6



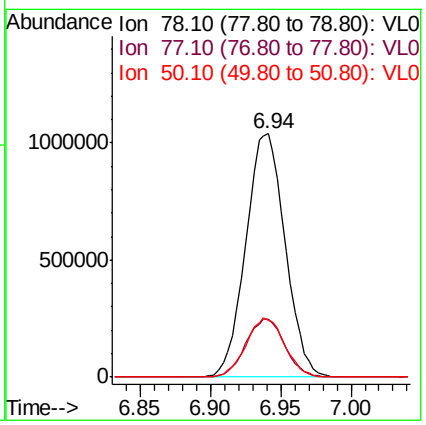
Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

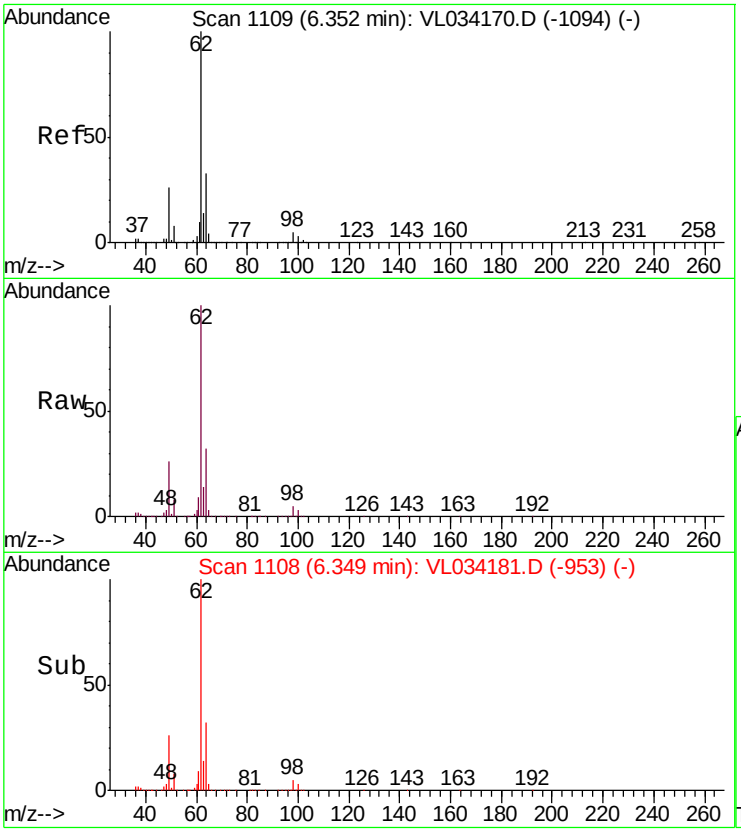


#36
Benzene
Concen: 8.724 ppbv
RT: 6.94 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 78 Resp: 2031721

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	23.4	18.9	28.3



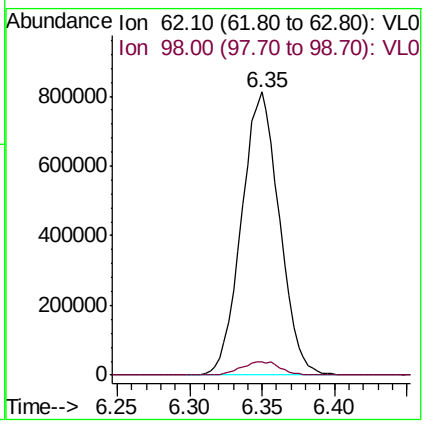


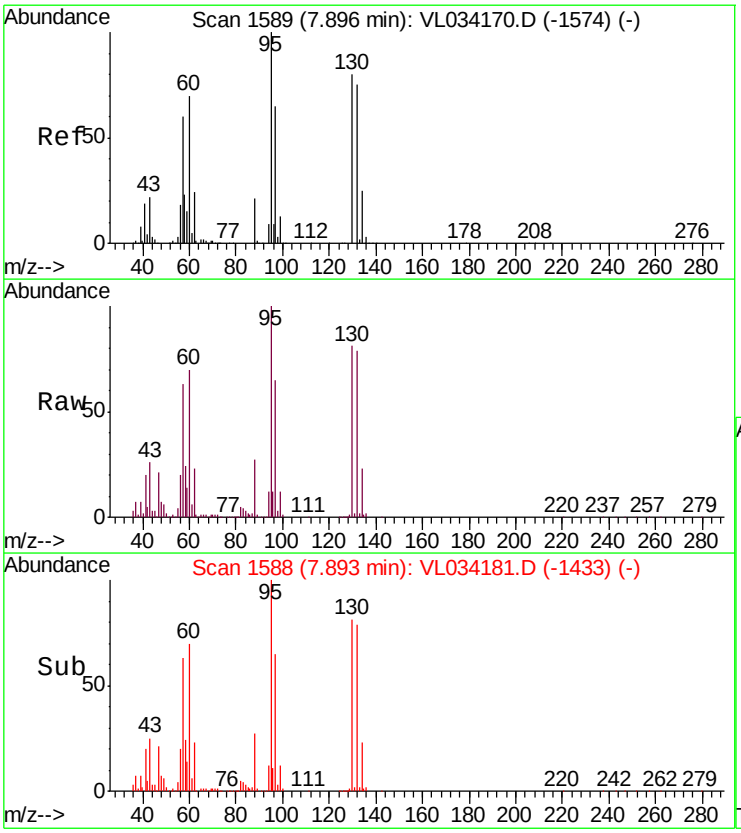
#37
1,2-Dichloroethane
Concen: 8.901 ppbv
RT: 6.35 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 62 Resp: 1474533

Ion	Ratio	Lower	Upper
62	100		
98	4.9	3.8	5.8

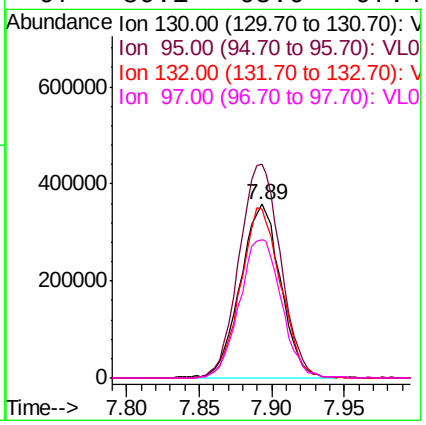


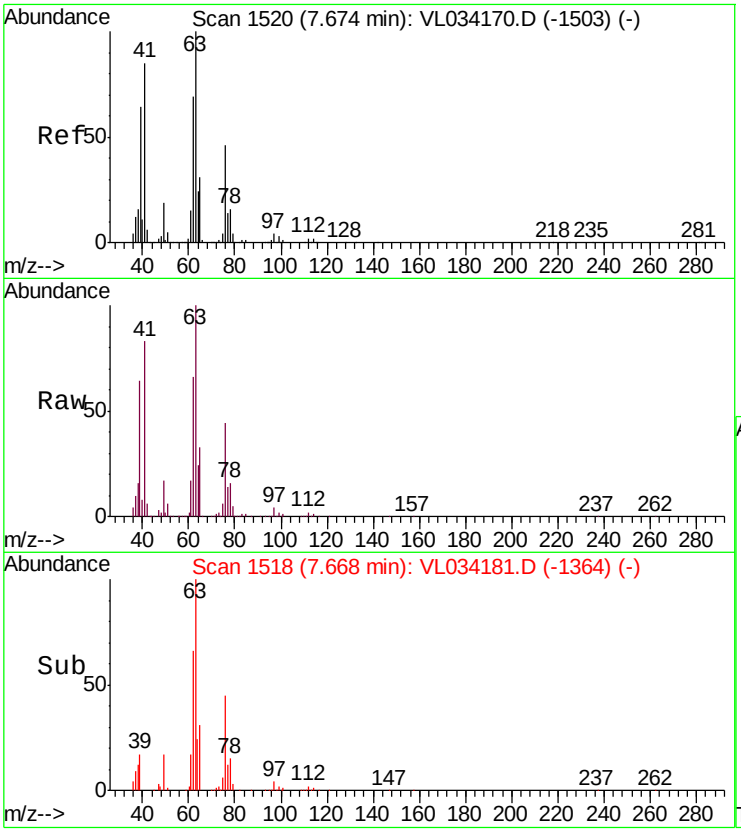


#38
Trichloroethene
Concen: 8.253 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:130 Resp: 686783

Ion	Ratio	Lower	Upper
130	100		
95	123.2	99.8	149.6
132	97.6	75.2	112.8
97	80.1	65.0	97.4



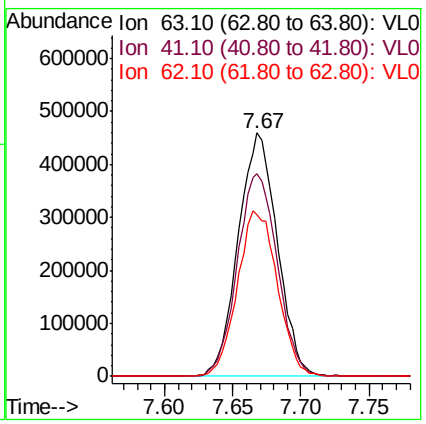


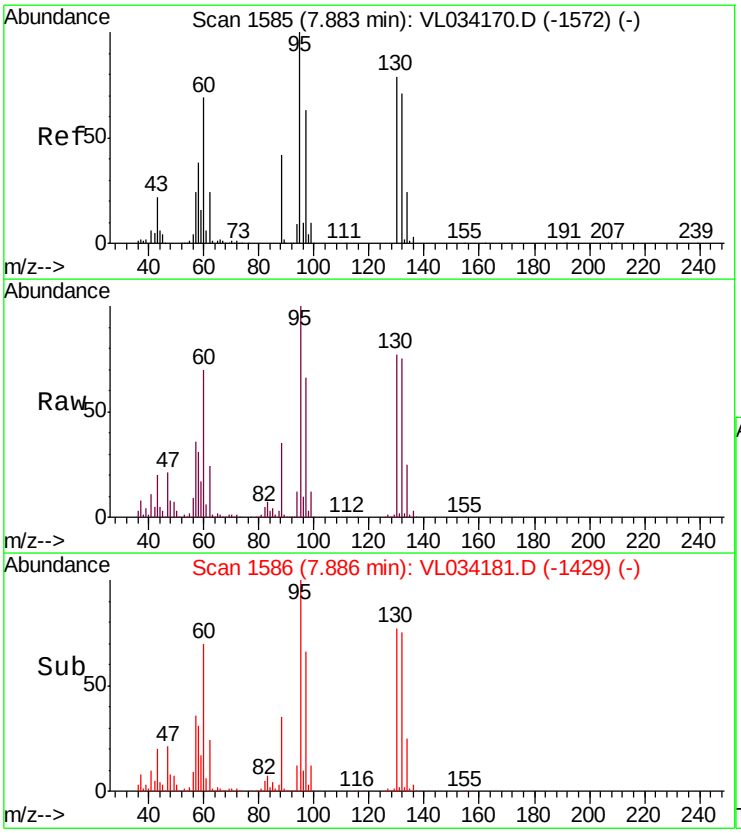
#39
1,2-Dichloropropane
Concen: 8.718 ppbv
RT: 7.67 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 63 Resp: 912295

Ion	Ratio	Lower	Upper
63	100		
41	83.3	68.4	102.6
62	66.3	55.4	83.2

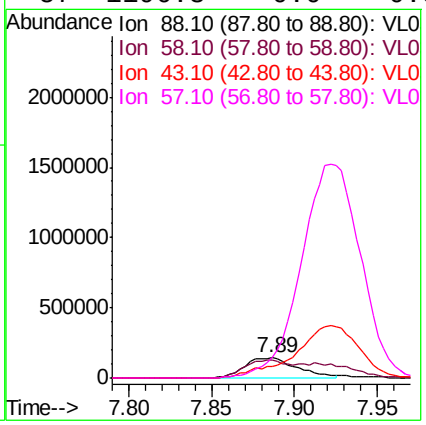


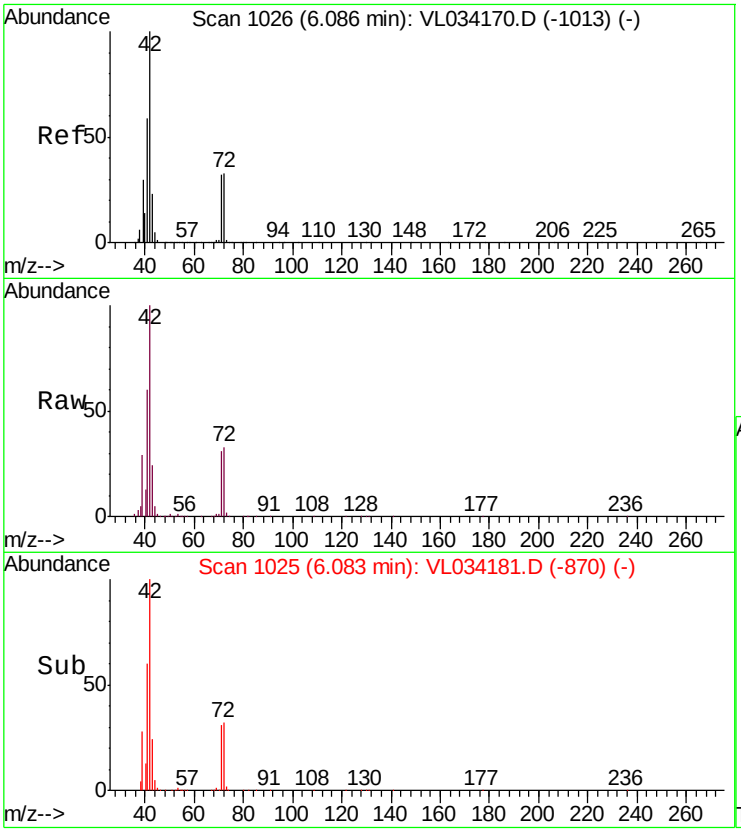


#40
1,4-Dioxane
Concen: 9.360 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 88 Resp: 316975

Ion	Ratio	Lower	Upper
88	100		
58	152.3	131.8	197.6
43	317.8	0.0	0.0#
57	1196.3	0.0	0.0#



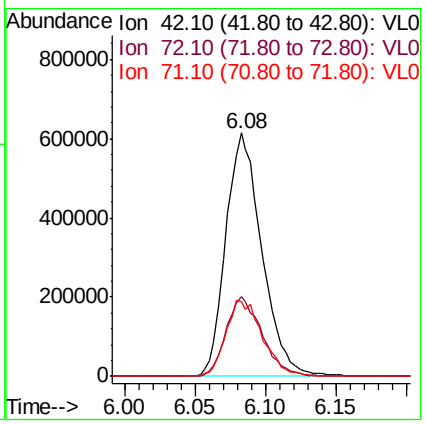


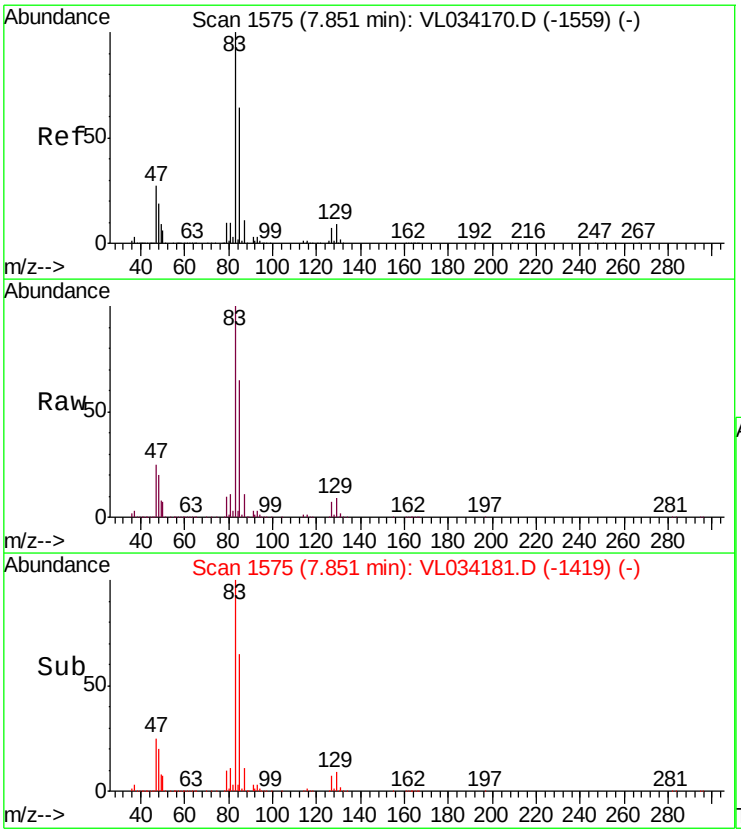
#41
Tetrahydrofuran
Concen: 9.060 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 42 Resp: 1098755

Ion	Ratio	Lower	Upper
42	100		
72	32.8	26.6	40.0
71	32.0	25.1	37.7

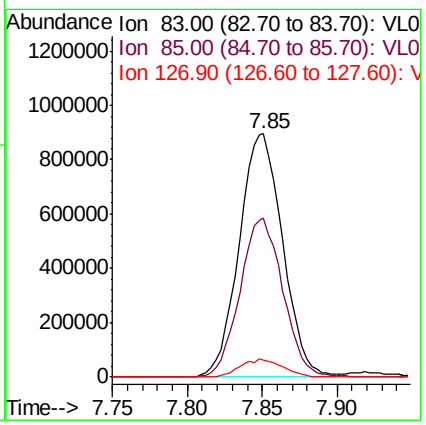


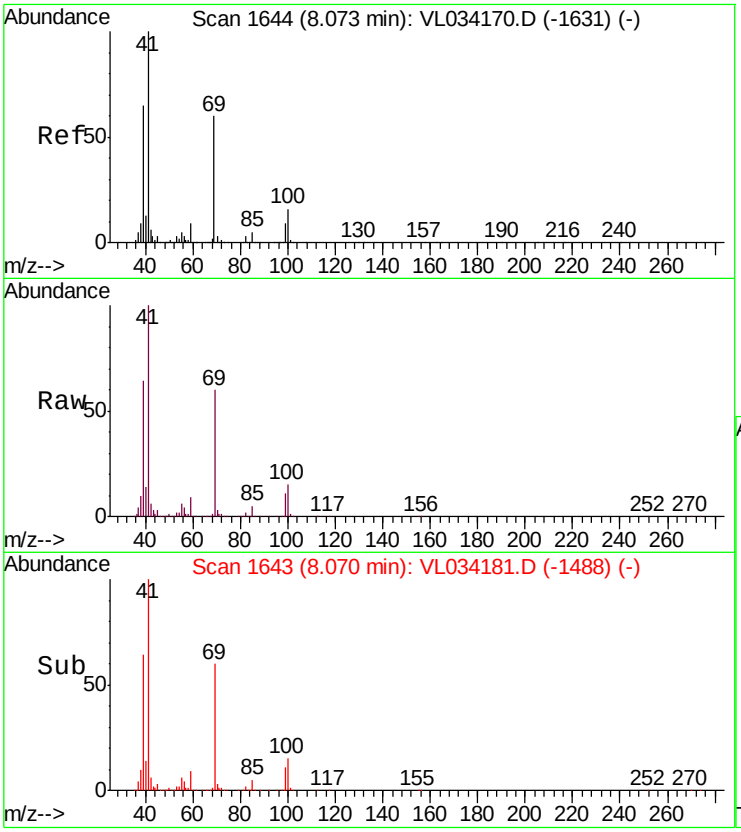


#42
Bromodichloromethane
Concen: 9.101 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 83 Resp: 1809413

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0
127	7.2	5.5	8.3



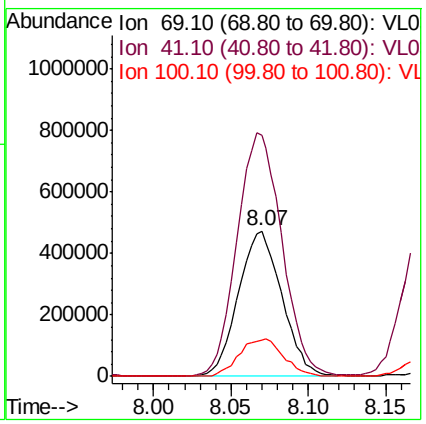


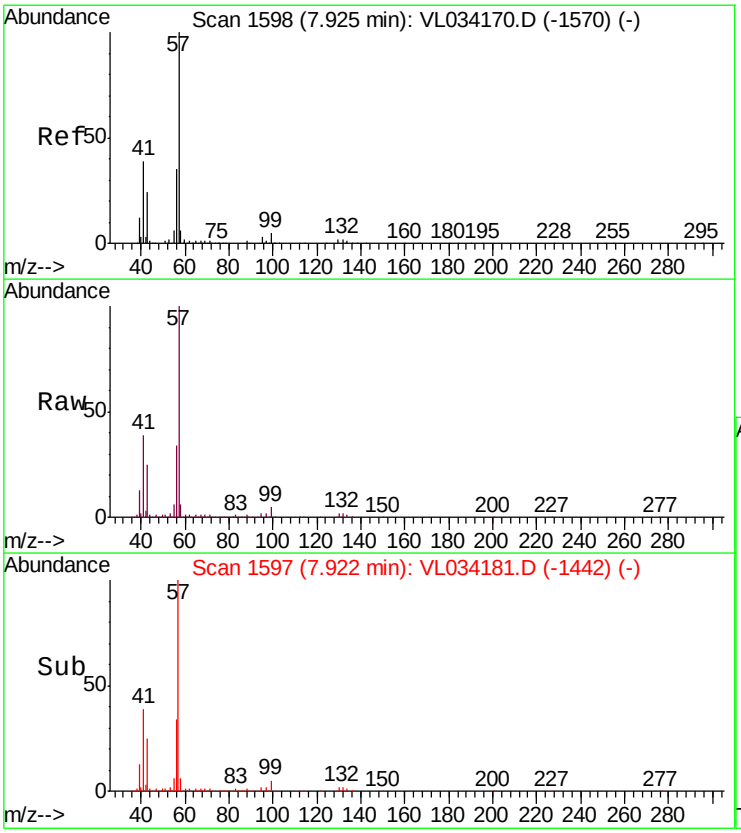
#43
Methyl Methacrylate
Concen: 9.617 ppbv
RT: 8.07 min Scan# 1643
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 69 Resp: 925209

Ion	Ratio	Lower	Upper
69	100		
41	172.7	140.4	210.6
100	26.4	21.9	32.9

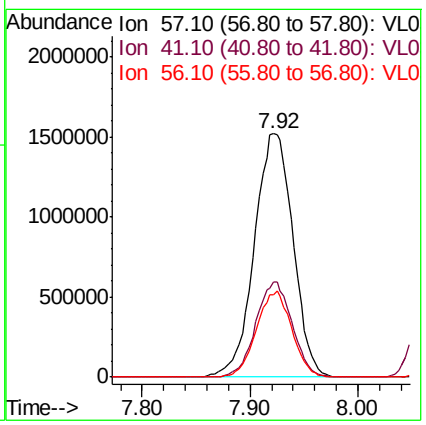


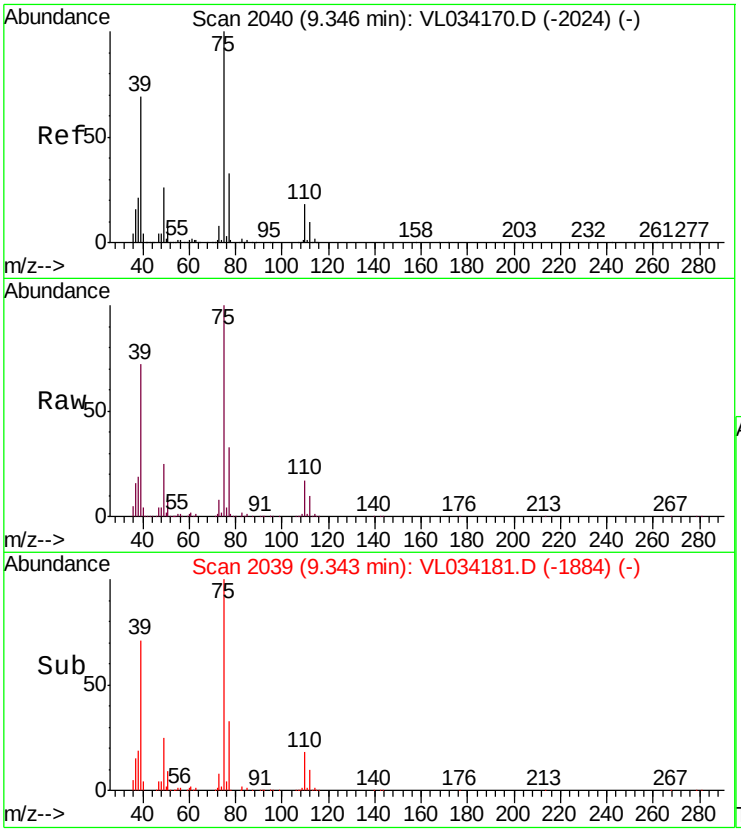


#44
2,2,4-Trimethylpentane
Concen: 8.443 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 57 Resp: 3785606

Ion	Ratio	Lower	Upper
57	100		
41	36.6	29.8	44.6
56	32.4	25.9	38.9



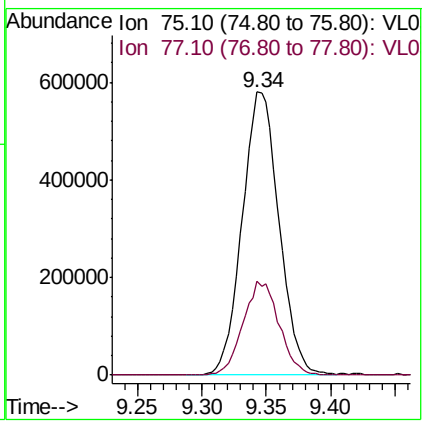


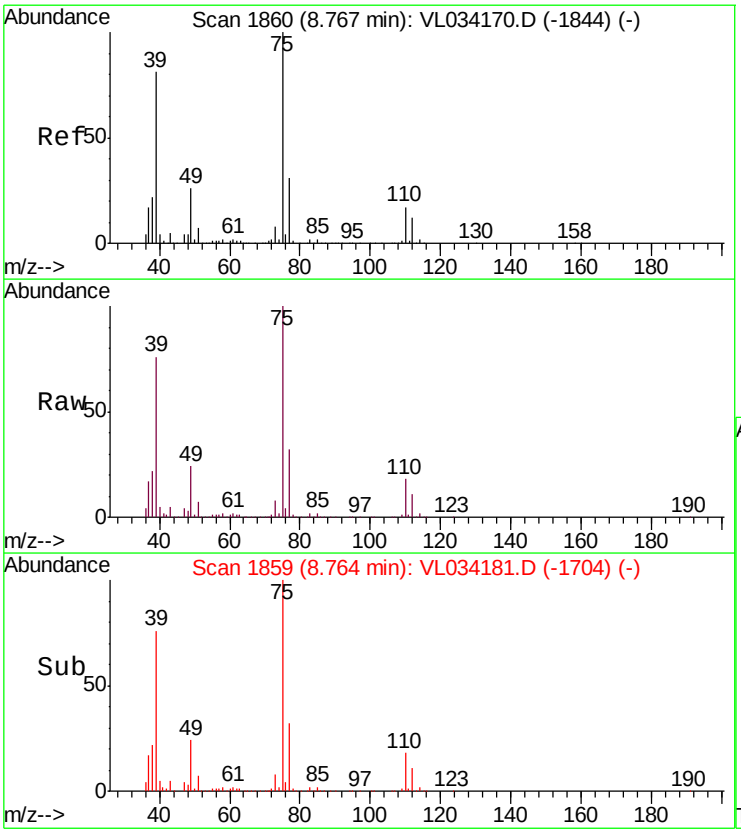
#45
t-1,3-Dichloropropene
Concen: 10.142 ppbv
RT: 9.34 min Scan# 2039
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 75 Resp: 1153717

Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.2	39.2

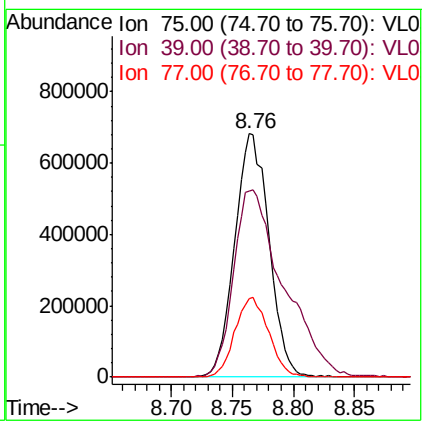


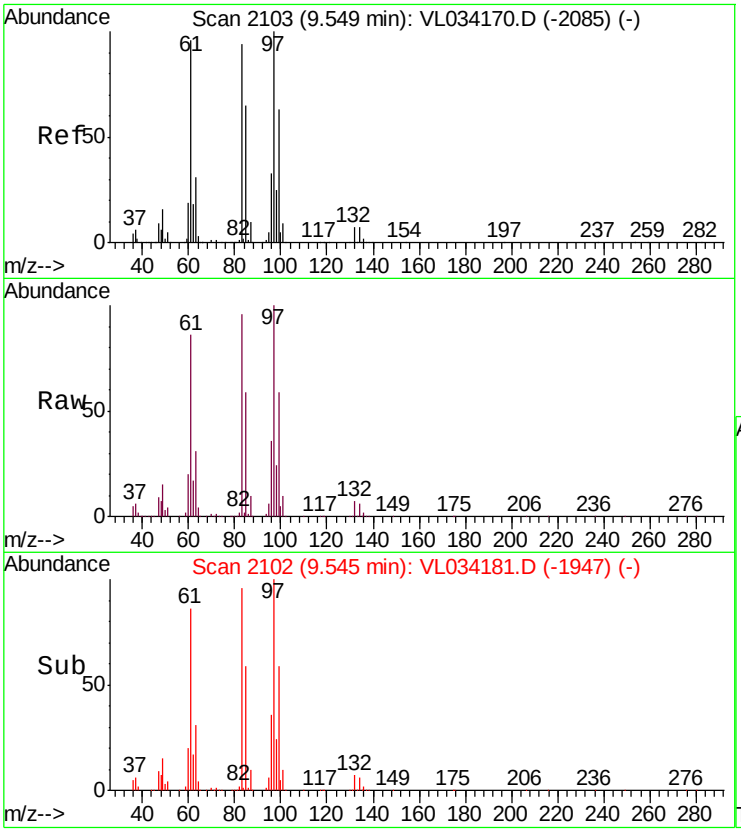


#46
cis-1,3-Dichloropropene
Concen: 9.701 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 75 Resp: 1327470

Ion	Ratio	Lower	Upper
75	100		
39	76.3	65.0	97.4
77	32.0	24.5	36.7



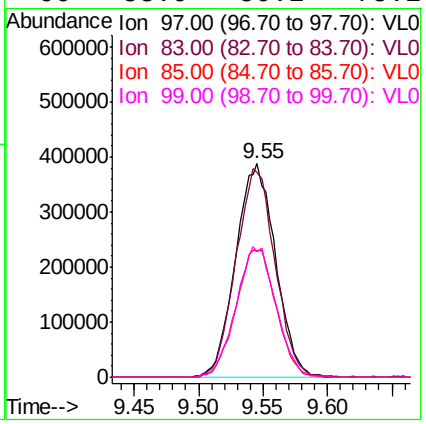


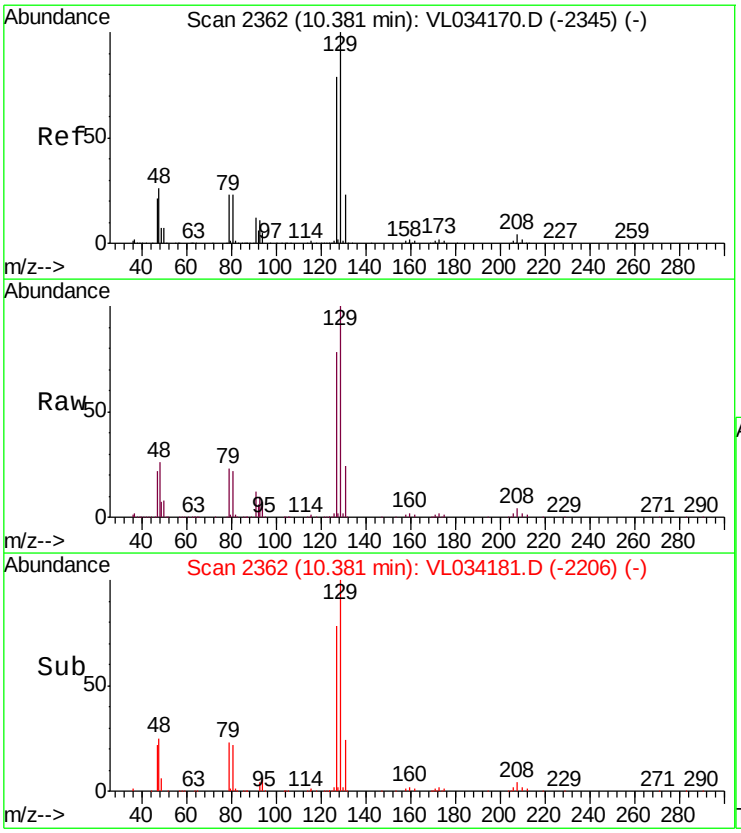
#47
1,1,2-Trichloroethane
Concen: 8.911 ppbv
RT: 9.55 min Scan# 2102
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 97 Resp: 837309

Ion	Ratio	Lower	Upper
97	100		
83	95.5	75.3	112.9
85	59.1	52.1	78.1
99	58.9	50.2	75.2

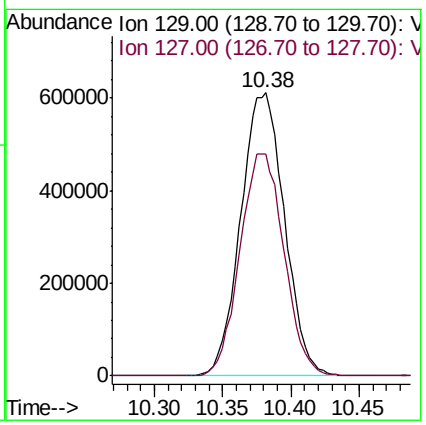


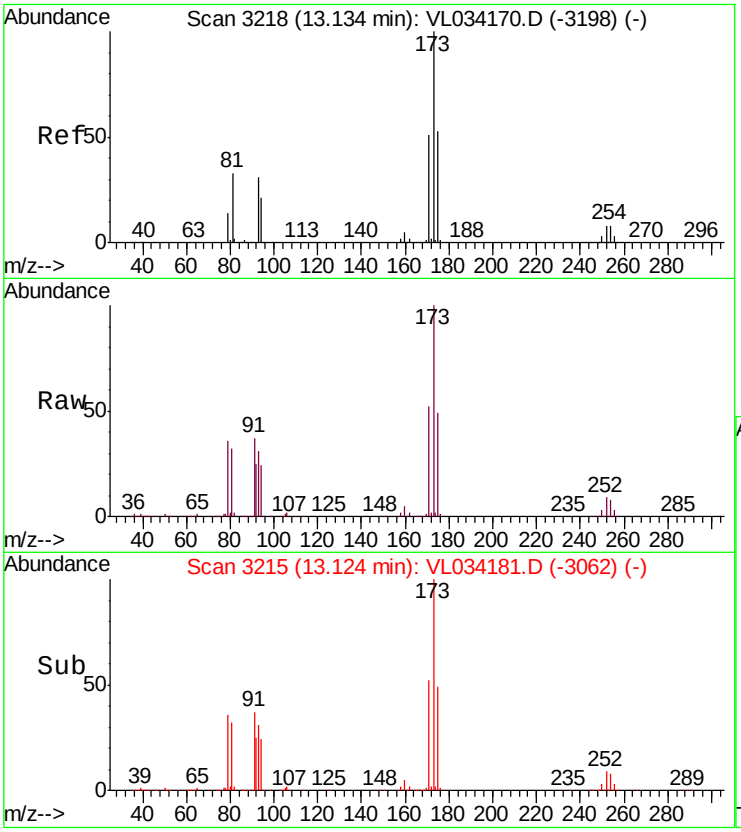


#48
Dibromochloromethane
Concen: 9.142 ppbv
RT: 10.38 min Scan# 2362
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:129 Resp: 1361527

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.2	117.6



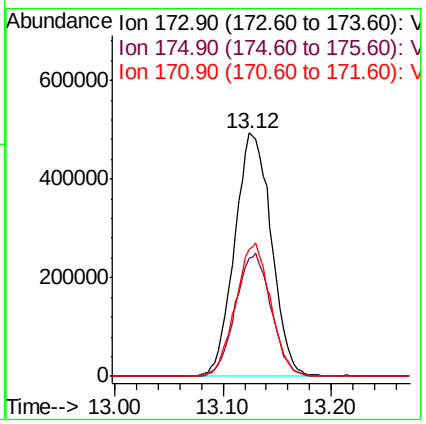


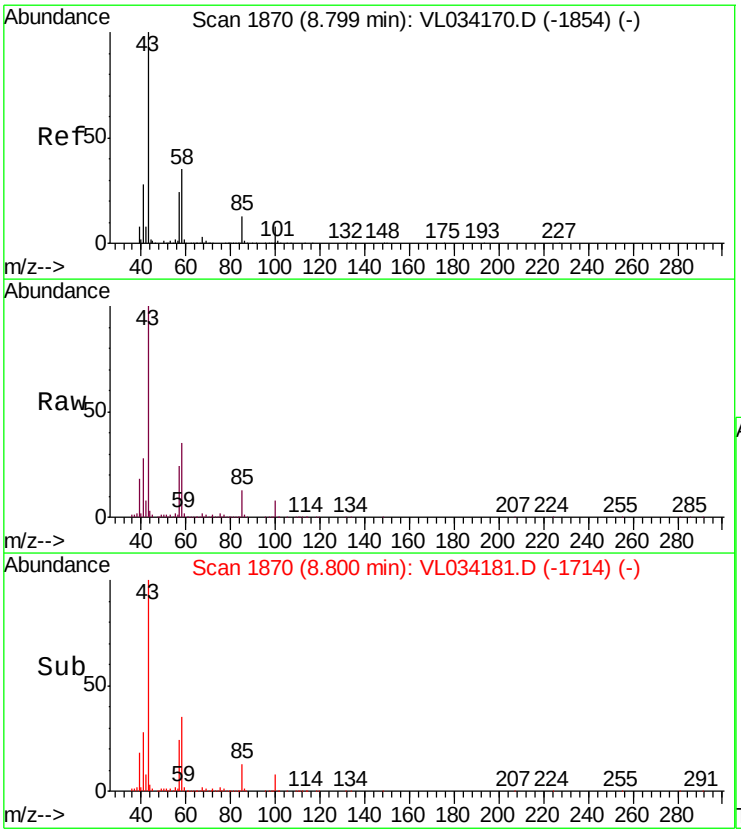
#49
Bromoform
Concen: 9.700 ppbv
RT: 13.12 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:173 Resp: 1169022

Ion	Ratio	Lower	Upper
173	100		
175	49.3	40.3	60.5
171	52.2	42.0	63.0

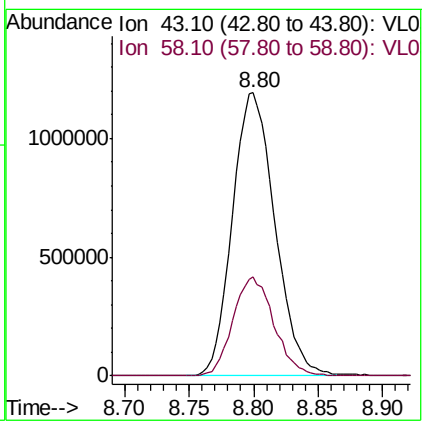


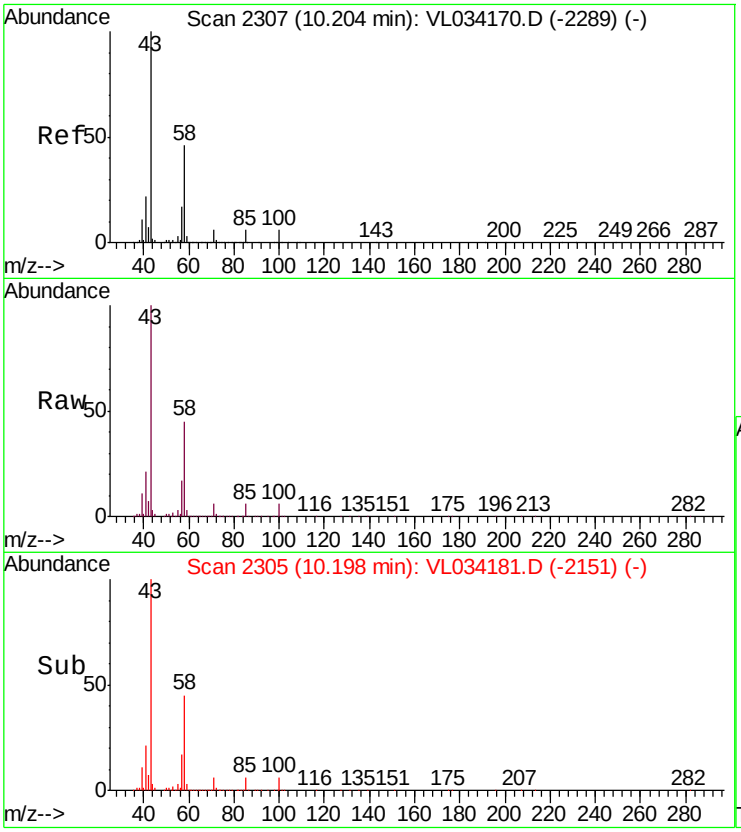


#50
4-Methyl-2-Pentanone
Concen: 8.699 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 43 Resp: 2725820

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.6	41.4



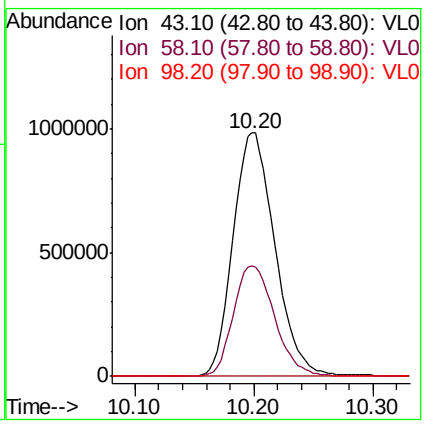


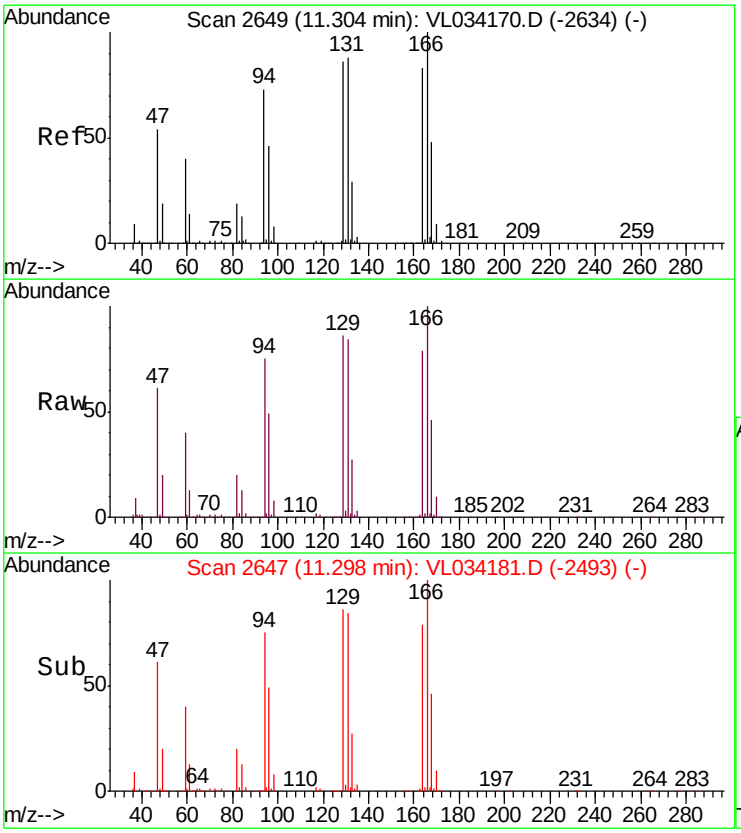
#51
2-Hexanone
Concen: 9.077 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 43 Resp: 2387170

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.2	54.4
98	0.2	0.2	0.2

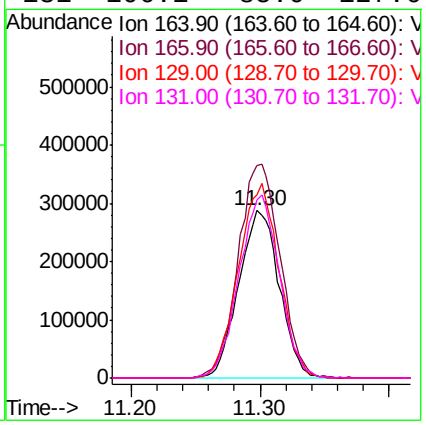


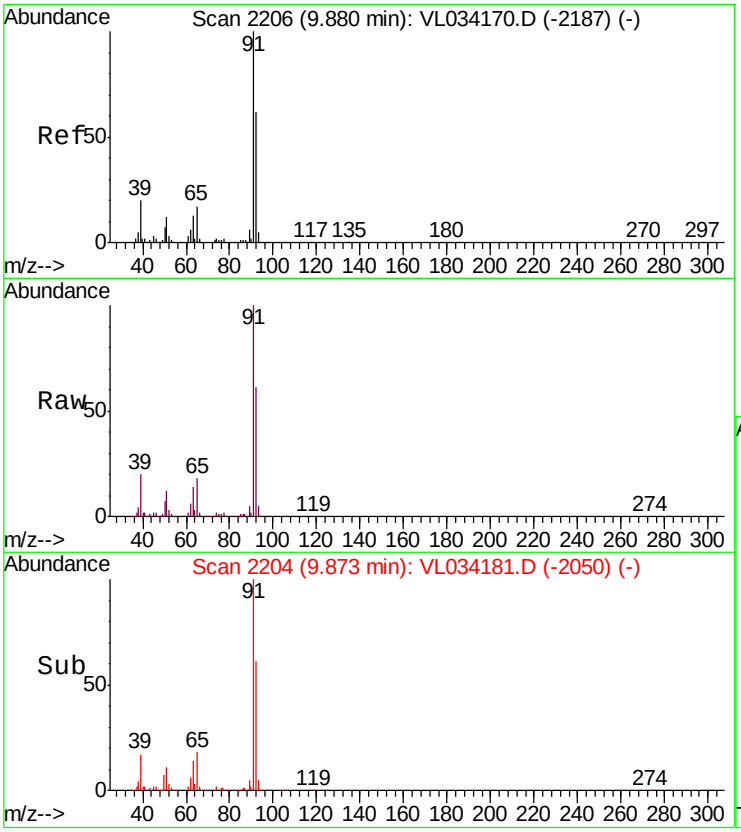


#52
Tetrachloroethene
Concen: 8.186 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:164 Resp: 629887

Ion	Ratio	Lower	Upper
164	100		
166	127.0	96.7	145.1
129	109.6	82.8	124.2
131	106.1	85.0	127.6



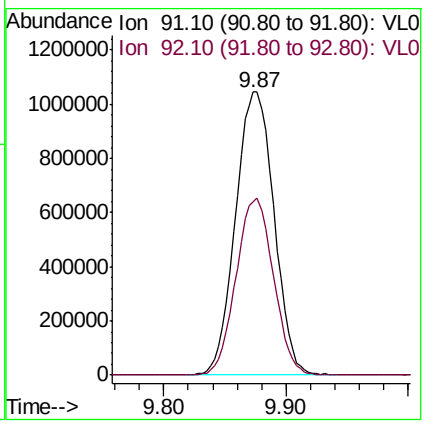


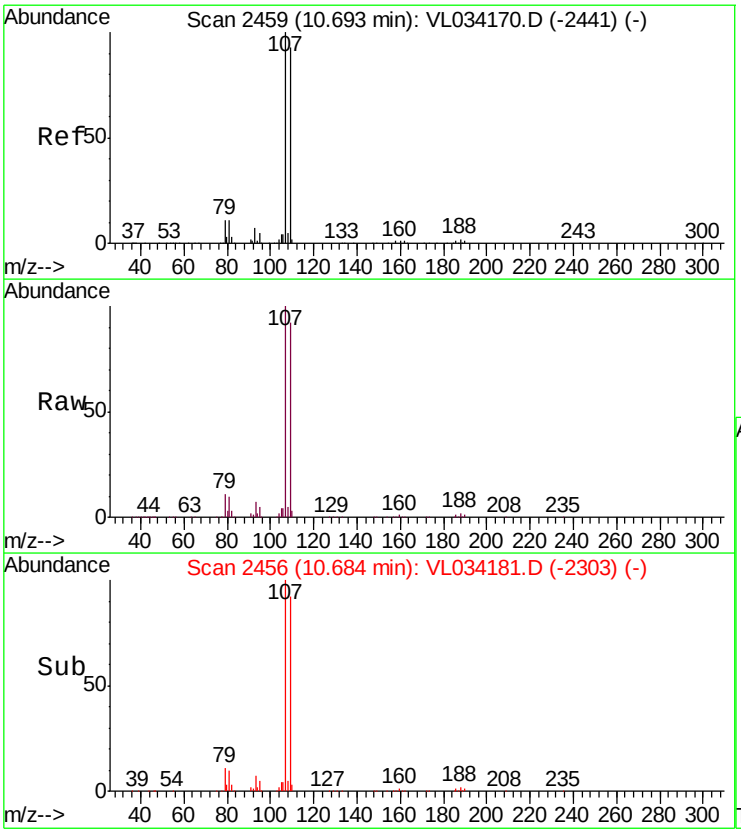
#53
Toluene
Concen: 8.955 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion: 91 Resp: 2279265

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.0	73.6

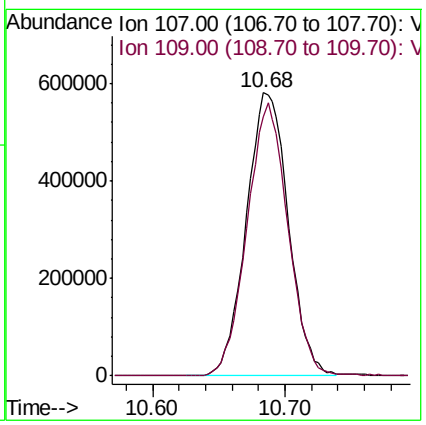


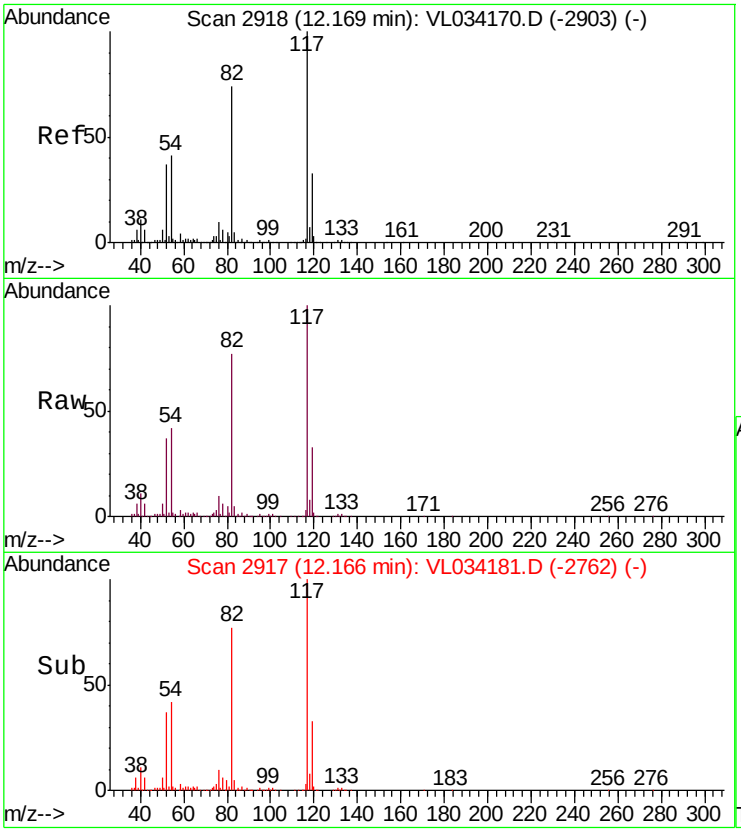


#54
1,2-Dibromoethane
Concen: 9.190 ppbv
RT: 10.68 min Scan# 2456
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:107 Resp: 1284222

Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.5	111.7



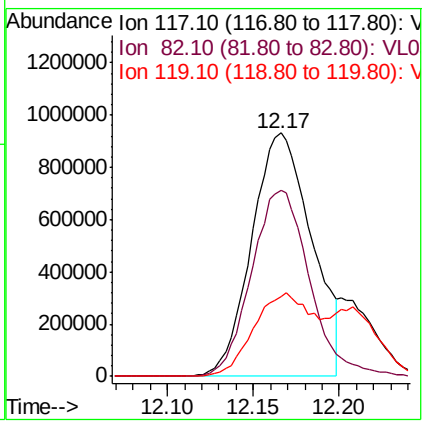


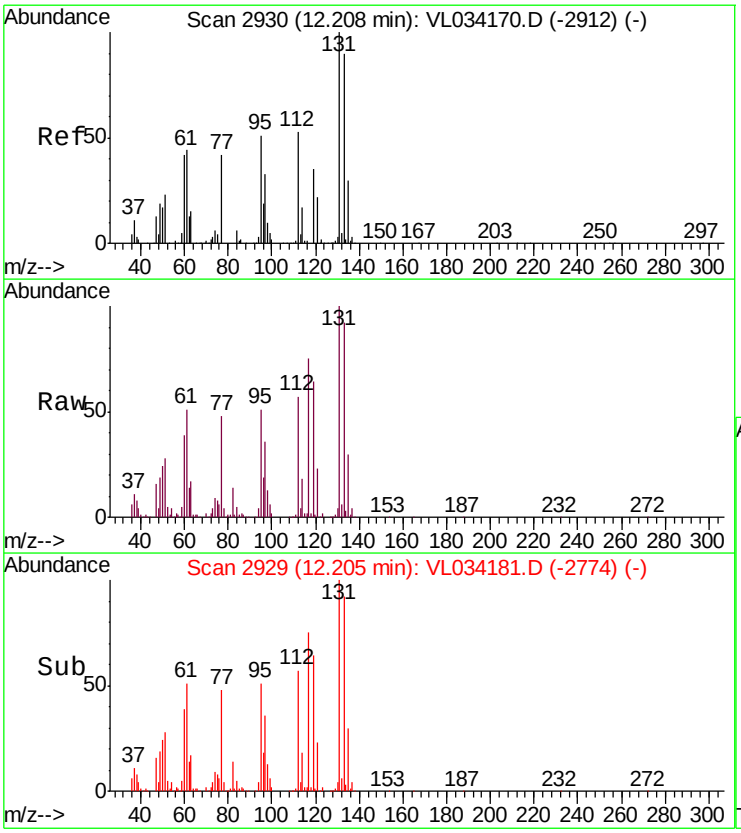
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:117 Resp: 2255059

Ion	Ratio	Lower	Upper
117	100		
82	74.5	58.2	87.4
119	56.8	23.7	35.5#

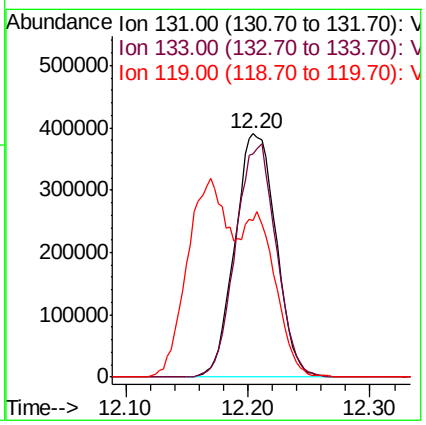


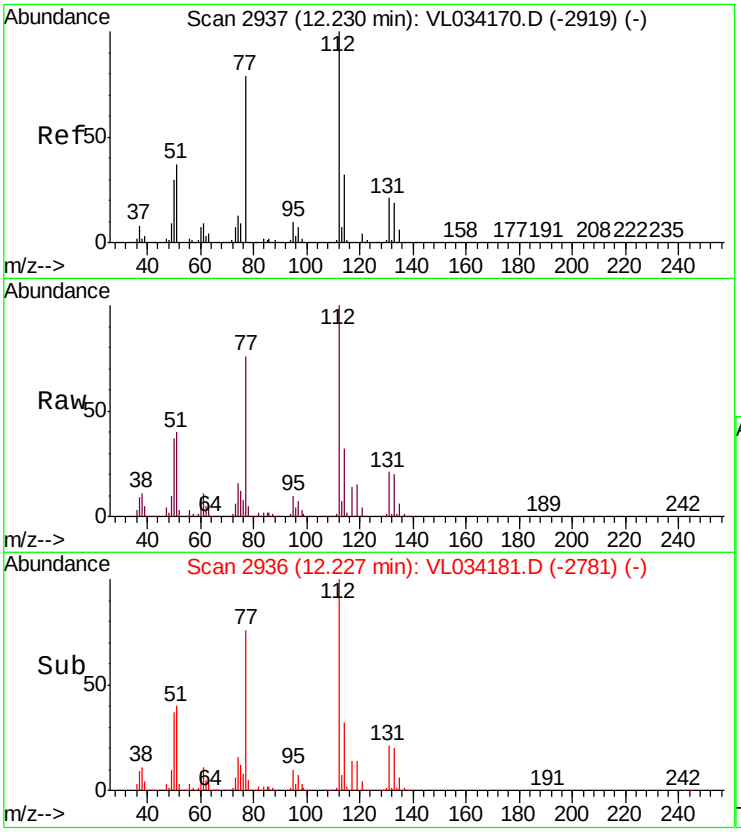


#56
1,1,1,2-Tetrachloroethane
Concen: 9.060 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:131 Resp: 911172

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.1	112.7
119	140.5	47.4	71.0#



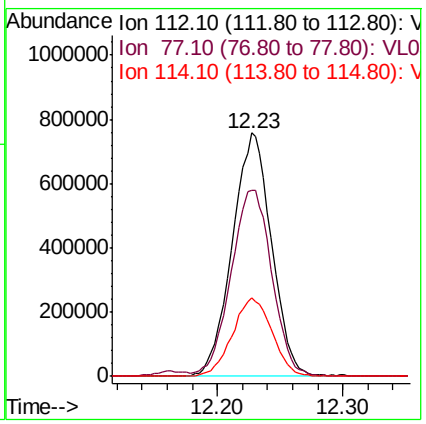


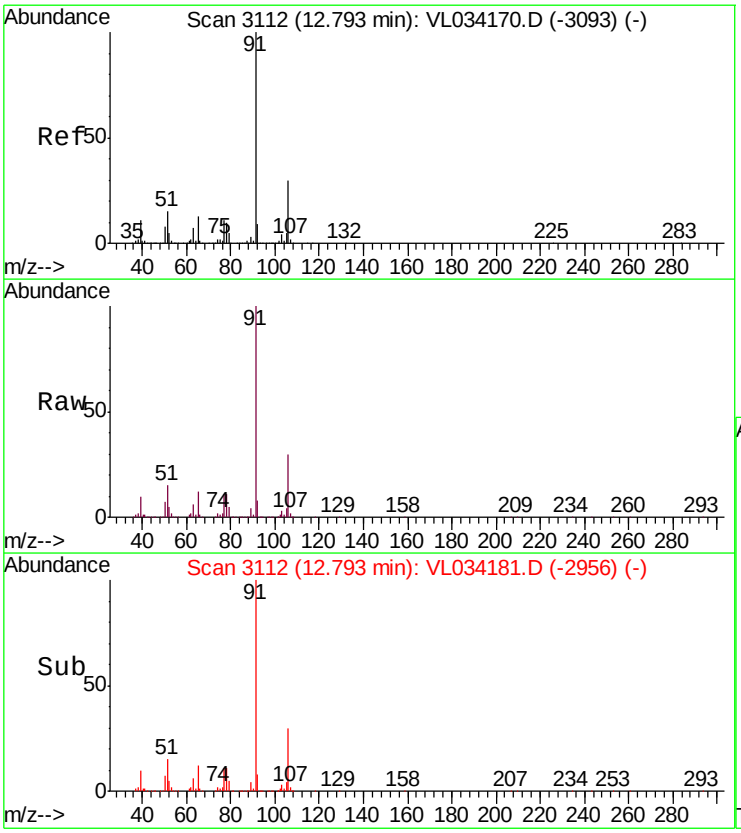
#57
Chlorobenzene
Concen: 8.348 ppbv
RT: 12.23 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:112 Resp: 1639041

Ion	Ratio	Lower	Upper
112	100		
77	76.1	64.3	96.5
114	32.1	28.9	35.3

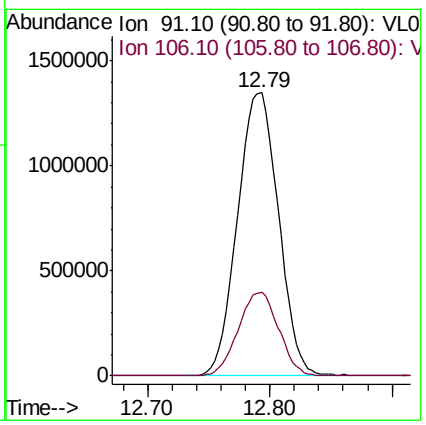


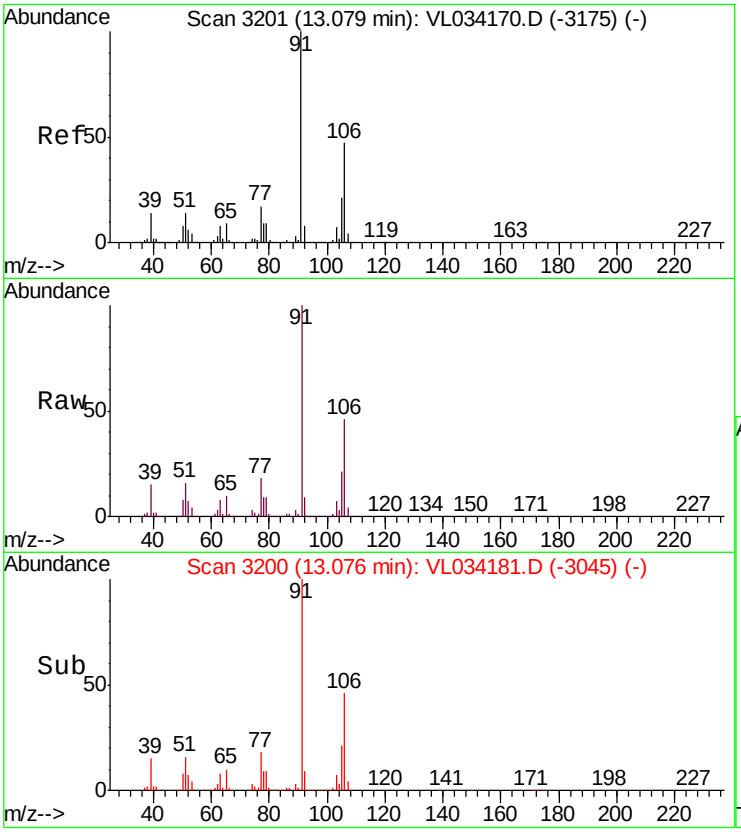


#58
Ethyl Benzene
Concen: 8.610 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 91 Resp: 3132801

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.2	36.4



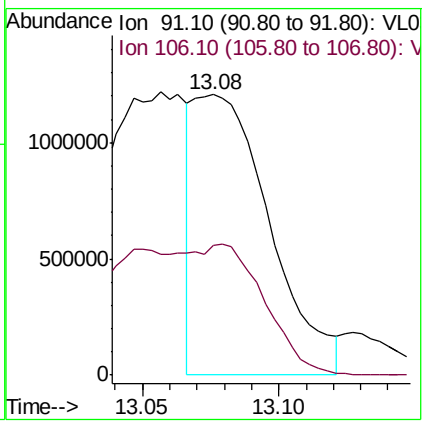


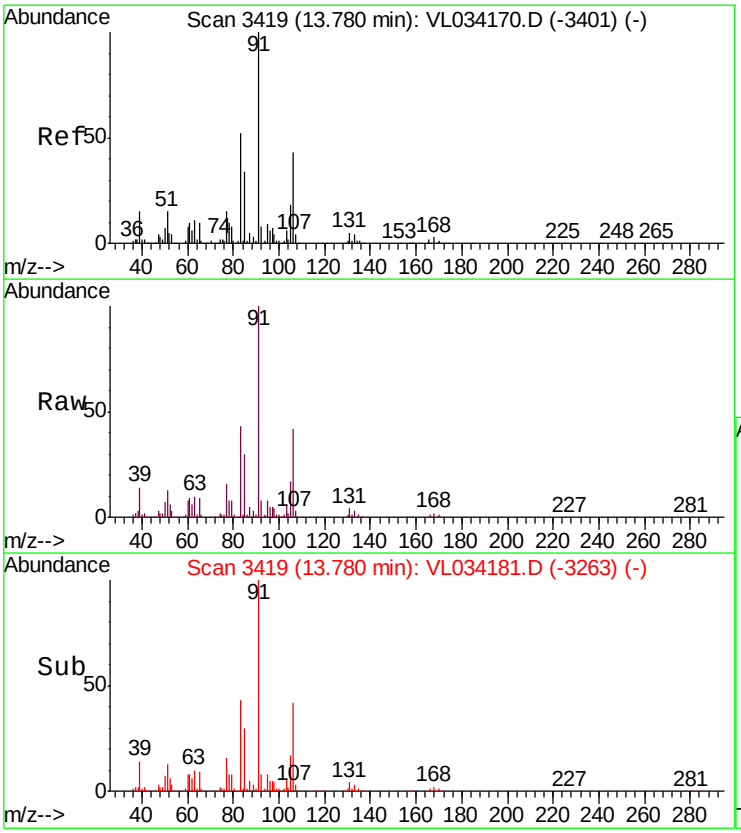
#59
m/p-Xylene
Concen: 7.663 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 91 Resp: 2309492

Ion	Ratio	Lower	Upper
91	100		
106	96.3	35.5	53.3#

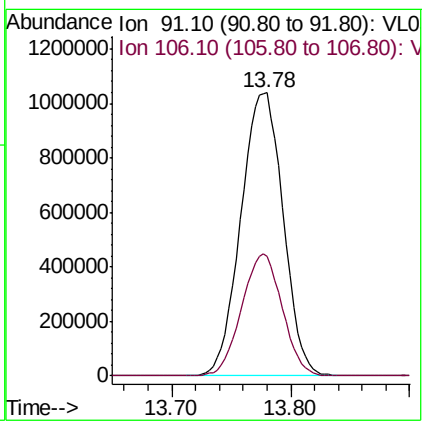


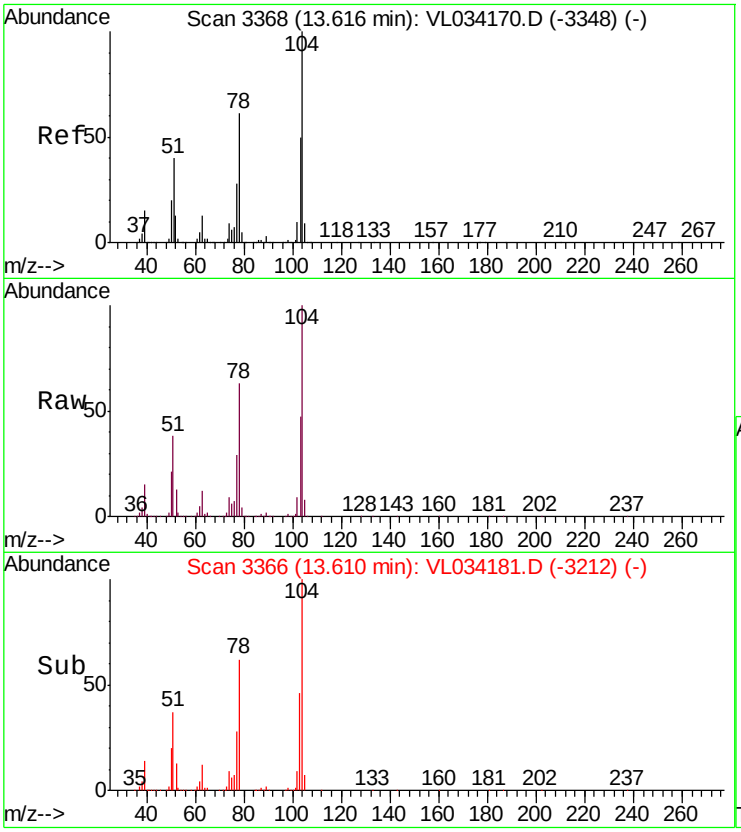


#60
o-Xylene
Concen: 8.468 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 91 Resp: 2551772

Ion	Ratio	Lower	Upper
91	100		
106	41.5	21.2	63.6



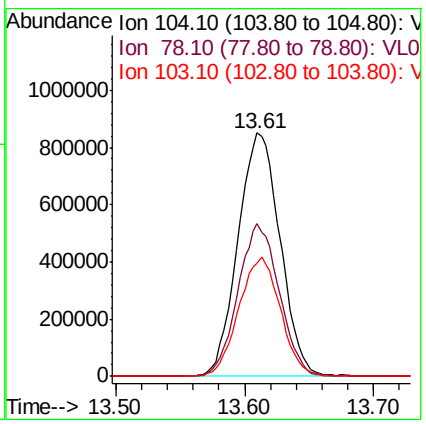


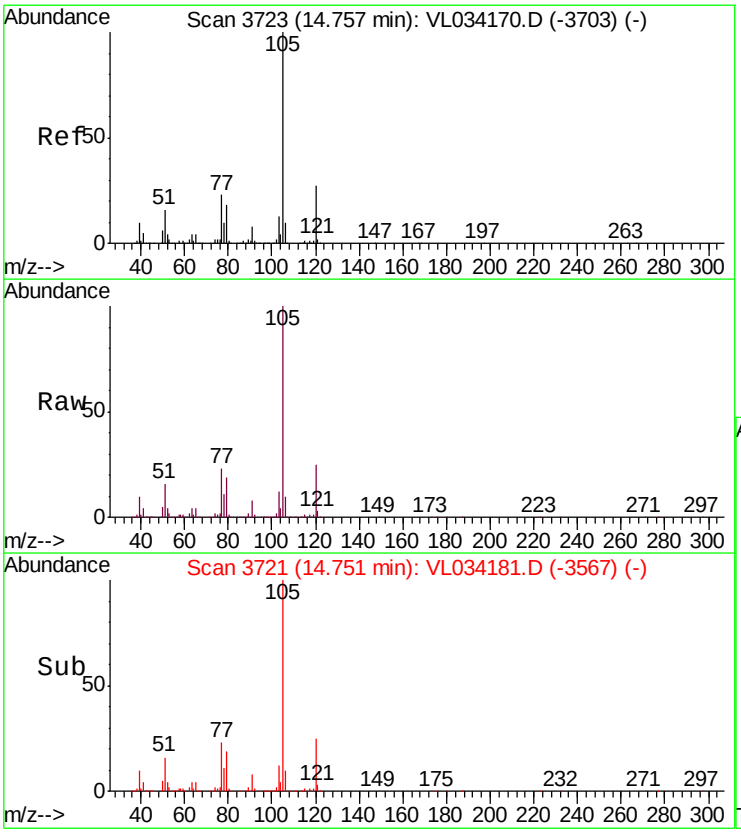
#61
Styrene
Concen: 8.938 ppbv
RT: 13.61 min Scan# 3366
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:104 Resp: 1929274

Ion	Ratio	Lower	Upper
104	100		
78	61.5	49.7	74.5
103	48.3	38.4	57.6

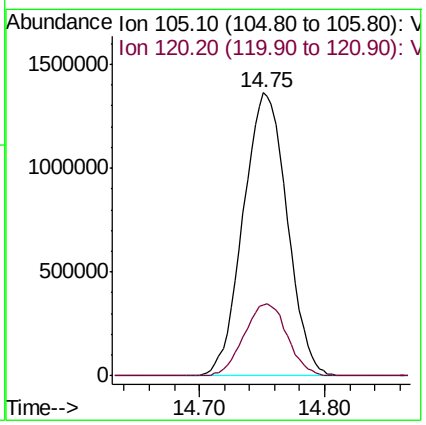


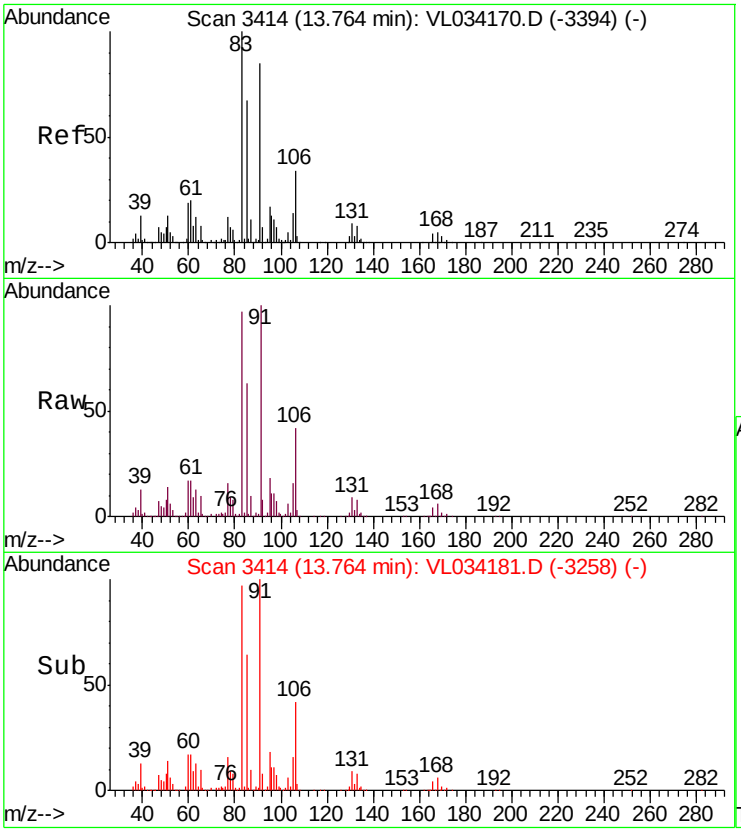


#62
Isopropylbenzene
Concen: 8.503 ppbv
RT: 14.75 min Scan# 3721
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:105 Resp: 3317202

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.7	31.1



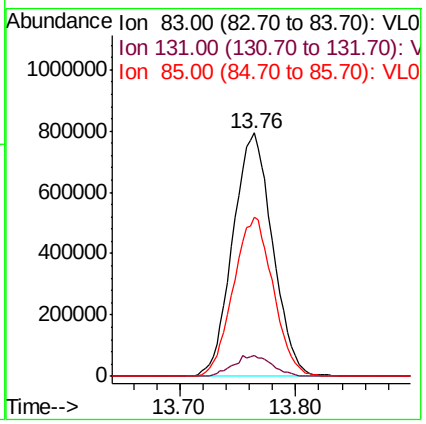


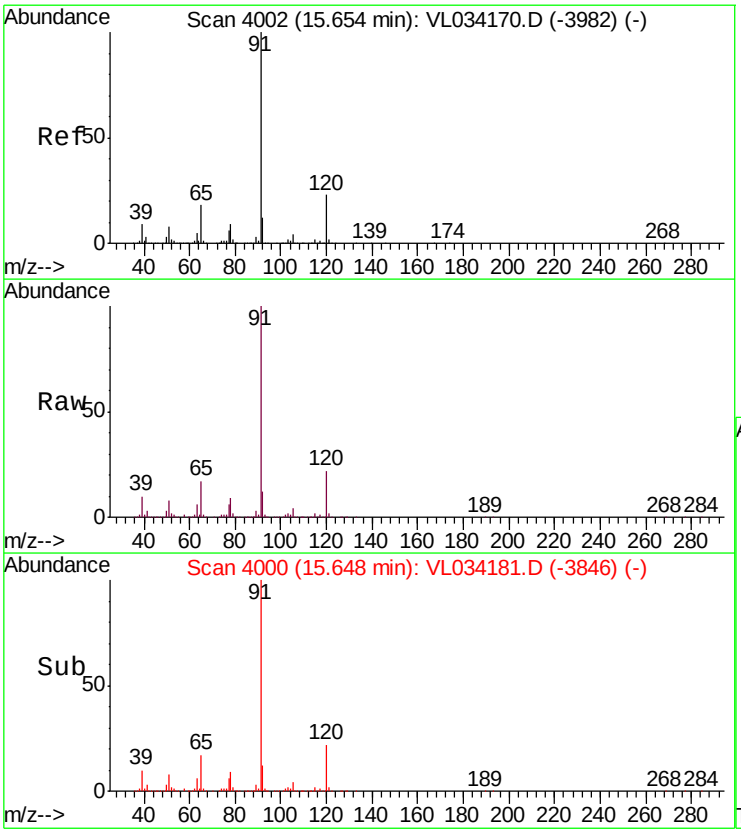
#63
1,1,2,2-Tetrachloroethane
Concen: 7.630 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 83 Resp: 1885339

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	65.5	32.8	98.4

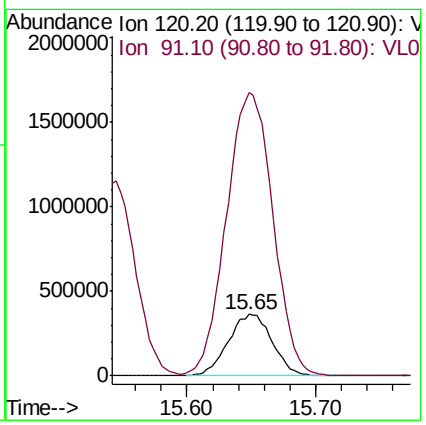


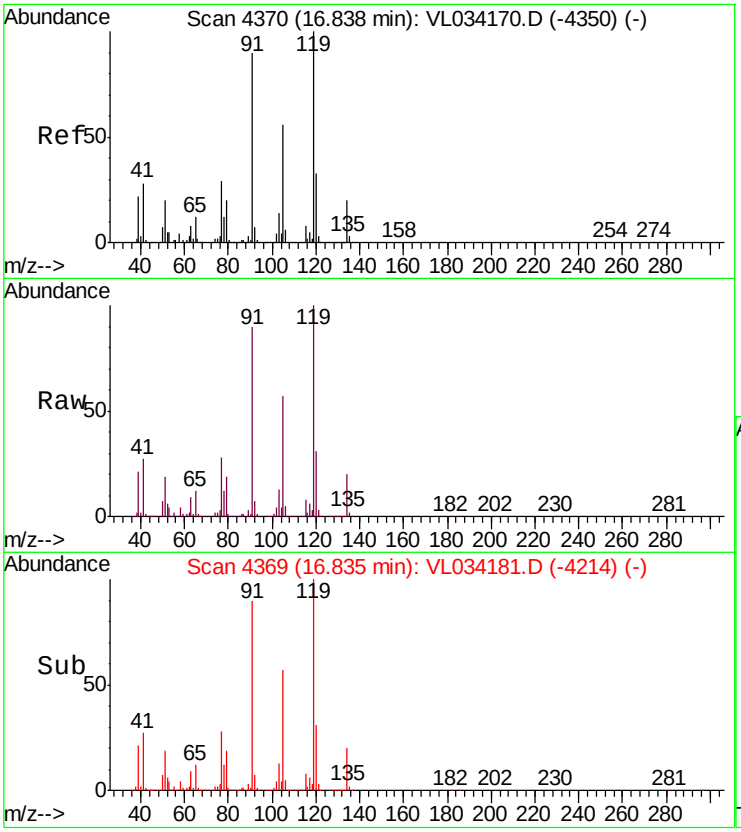


#64
n-propylbenzene
Concen: 8.716 ppbv
RT: 15.65 min Scan# 4000
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:120 Resp: 860212

Ion	Ratio	Lower	Upper
120	100		
91	487.8	378.2	567.2



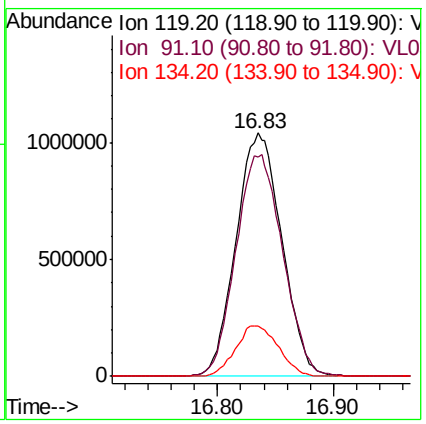


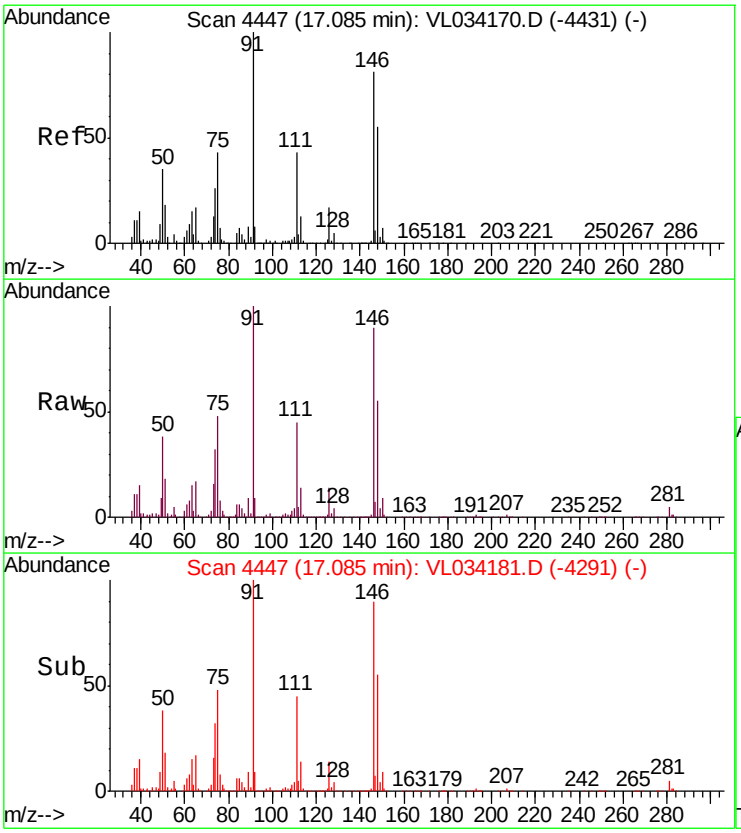
#65
tert-Butylbenzene
Concen: 8.364 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:119 Resp: 2850908

Ion	Ratio	Lower	Upper
119	100		
91	93.5	74.9	112.3
134	19.6	15.8	23.6

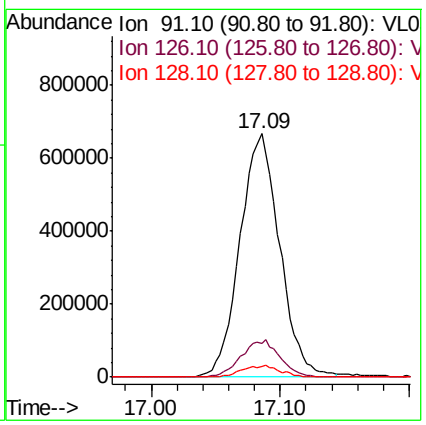


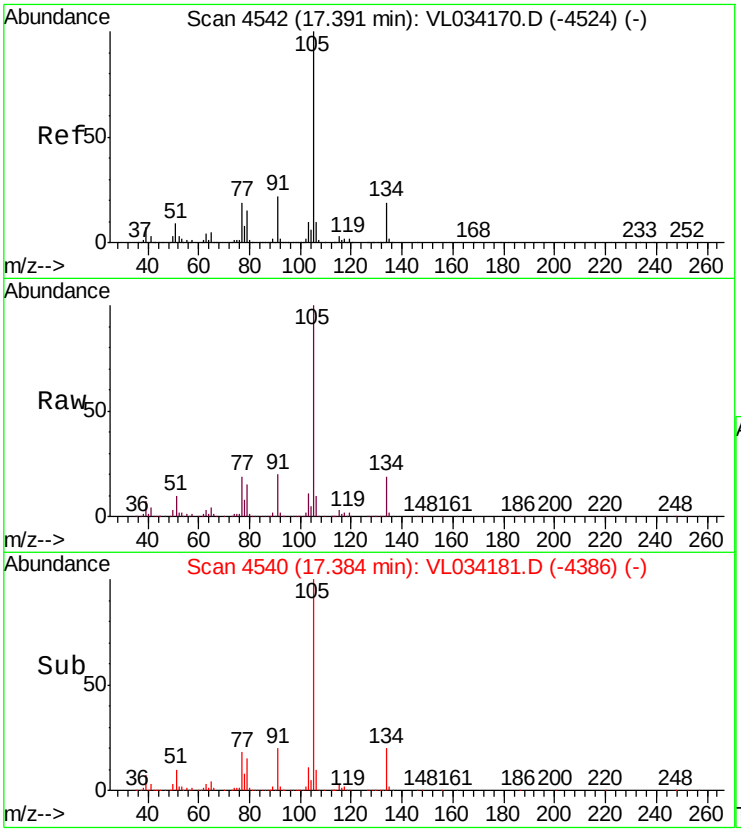


#66
Benzyl Chloride
Concen: 11.809 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 91 Resp: 1424083

Ion	Ratio	Lower	Upper
91	100		
126	15.1	12.6	19.0
128	4.8	4.0	6.0



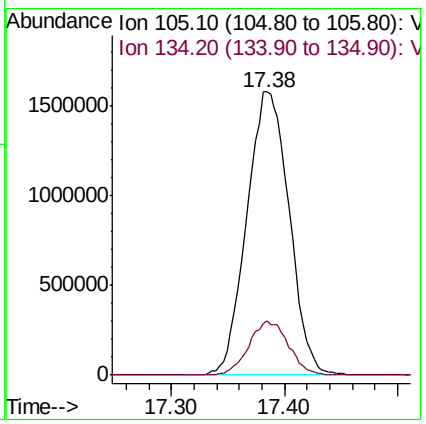


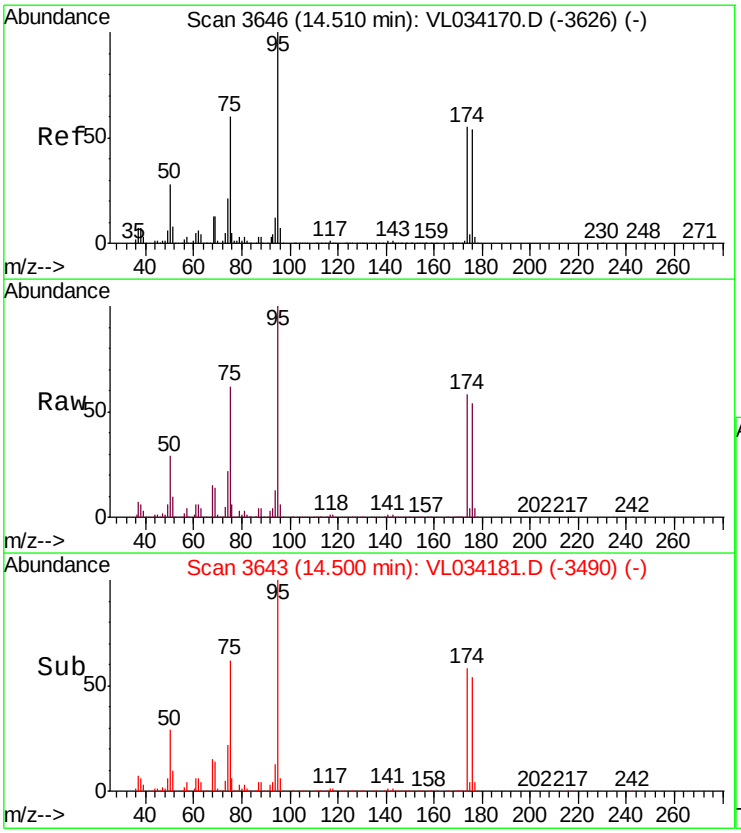
#67
sec-Butylbenzene
Concen: 8.418 ppbv
RT: 17.38 min Scan# 4540
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion:105 Resp: 4103262

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	22.0

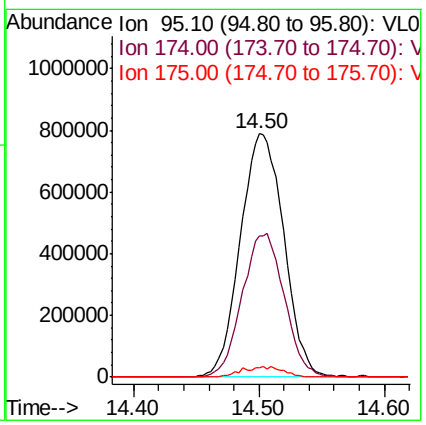


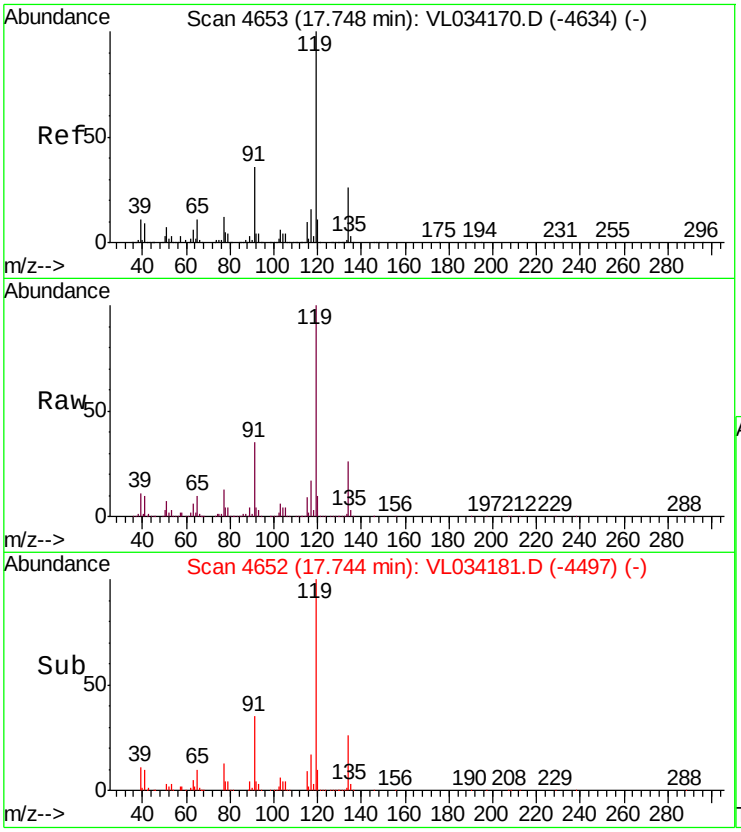


#68
1-Bromo-4-Fluorobenzene
Concen: 9.695 ppbv
RT: 14.50 min Scan# 3643
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 95 Resp: 1899766

Ion	Ratio	Lower	Upper
95	100		
174	57.3	45.1	67.7
175	4.2	3.3	4.9



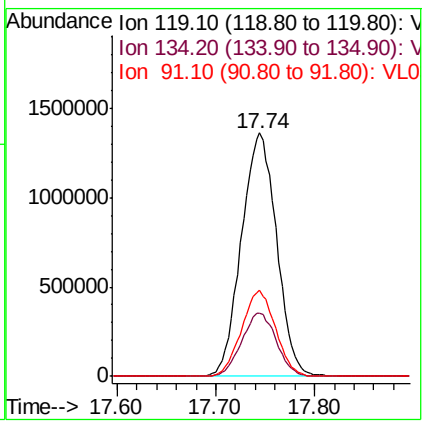


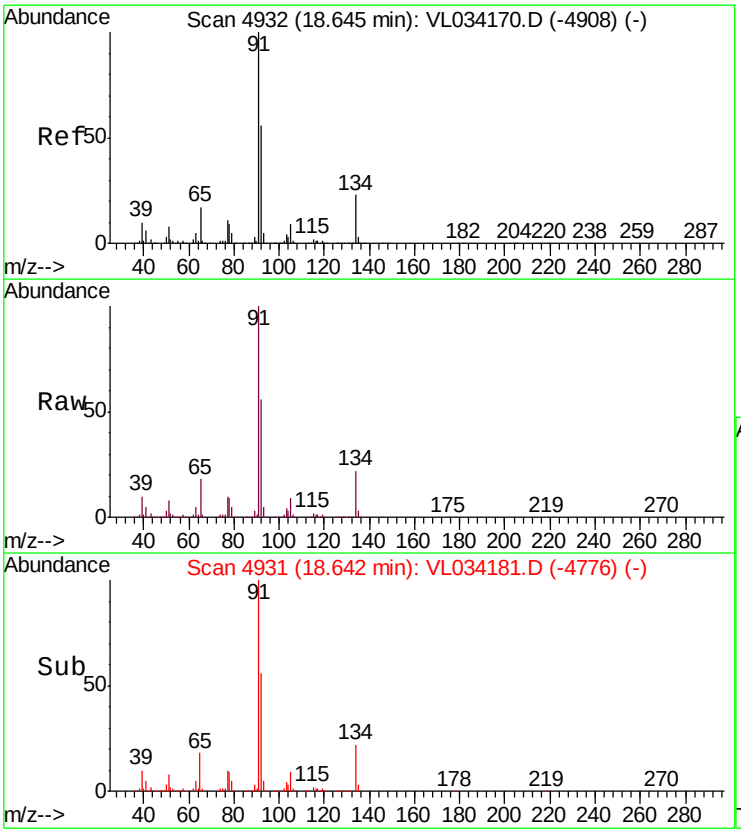
#69
p-Isopropyltoluene
Concen: 8.493 ppbv
RT: 17.74 min Scan# 4652
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:119 Resp: 3352040

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	34.2	27.6	41.4

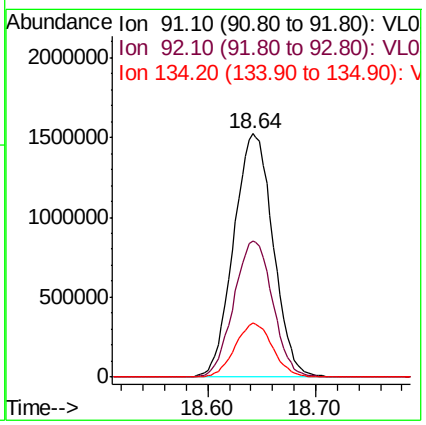


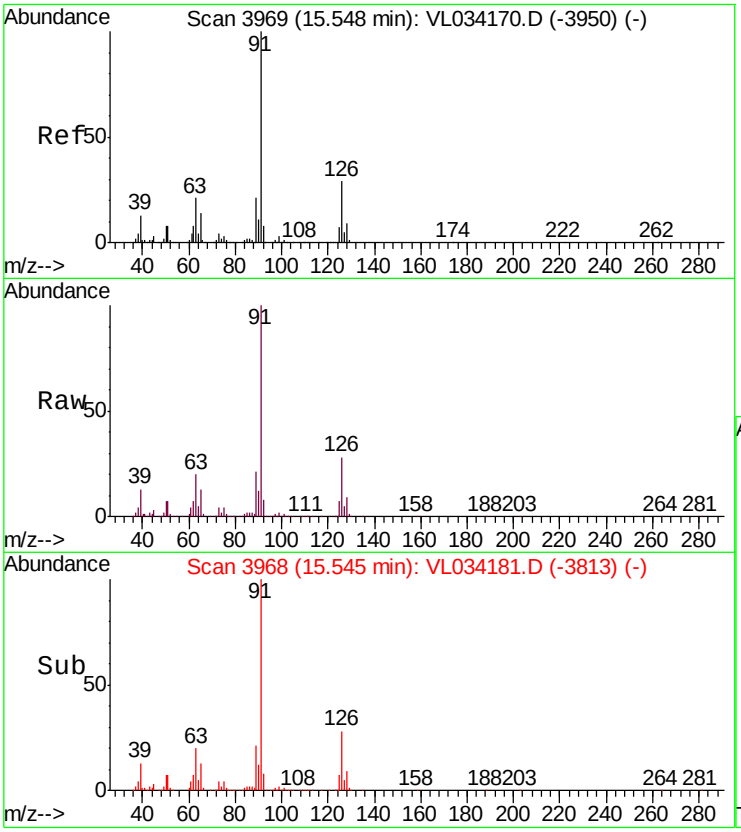


#70
n-Butylbenzene
Concen: 8.402 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion: 91 Resp: 3861164

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.8	67.2
134	21.2	17.3	25.9



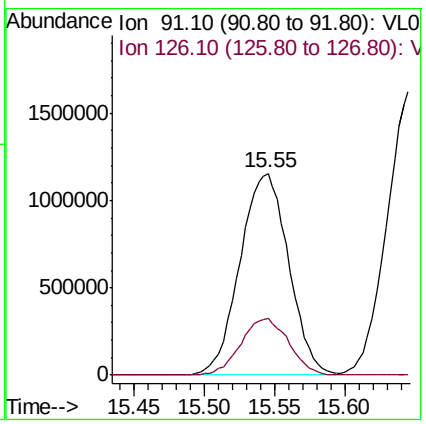


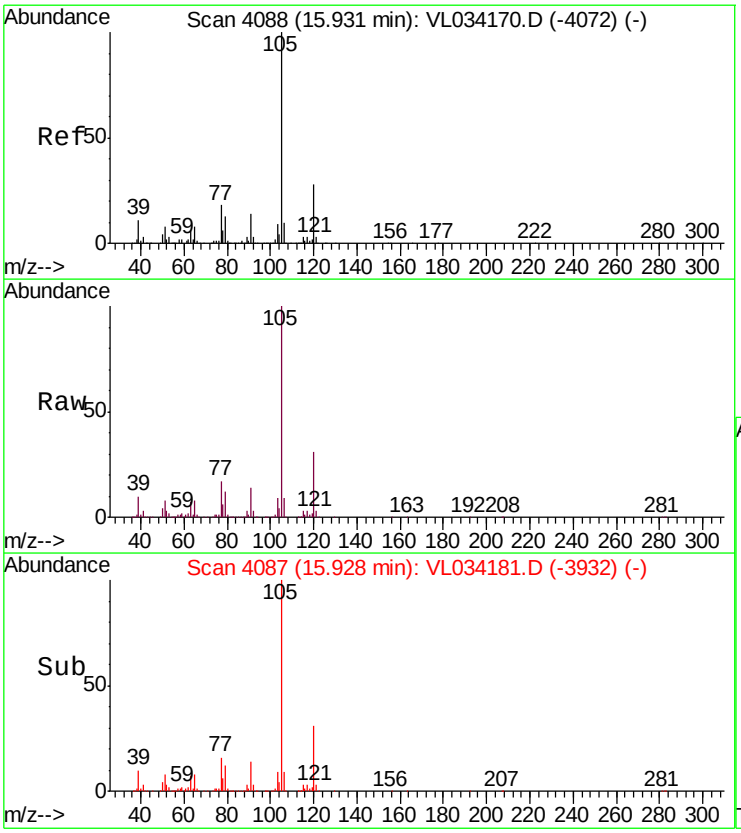
#71
2-Chlorotoluene
Concen: 8.708 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion: 91 Resp: 2775485

Ion	Ratio	Lower	Upper
91	100		
126	27.7	11.2	45.0

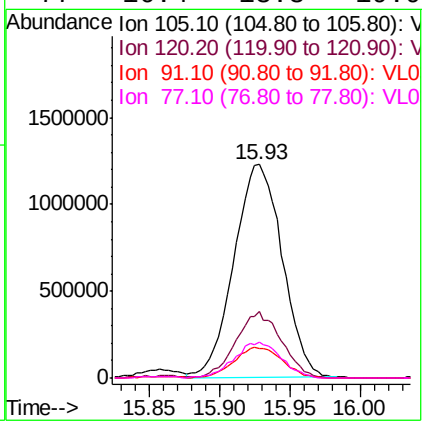


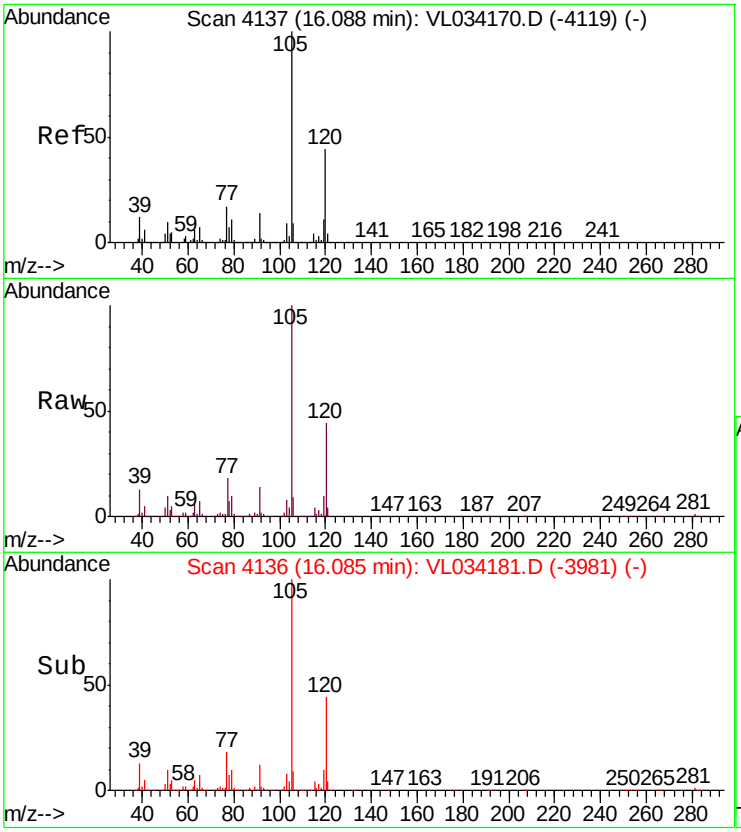


#72
4-Ethyltoluene
Concen: 8.625 ppbv
RT: 15.93 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:105 Resp: 2936599

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.3	34.9
91	14.4	11.4	17.2
77	16.4	13.3	19.9



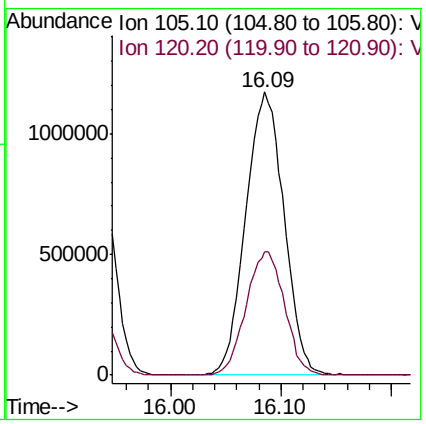


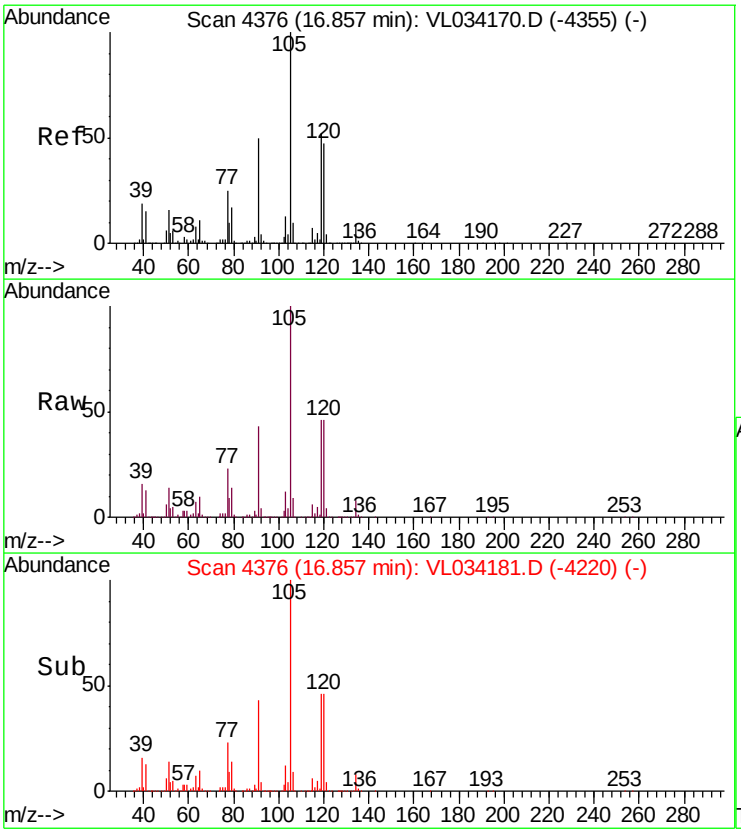
#73
1,3,5-Trimethylbenzene
Concen: 8.547 ppbv
RT: 16.09 min Scan# 4136
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion:105 Resp: 2811230

Ion	Ratio	Lower	Upper
105	100		
120	43.6	35.6	53.4

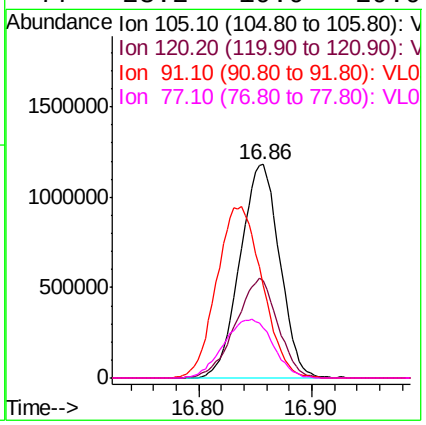


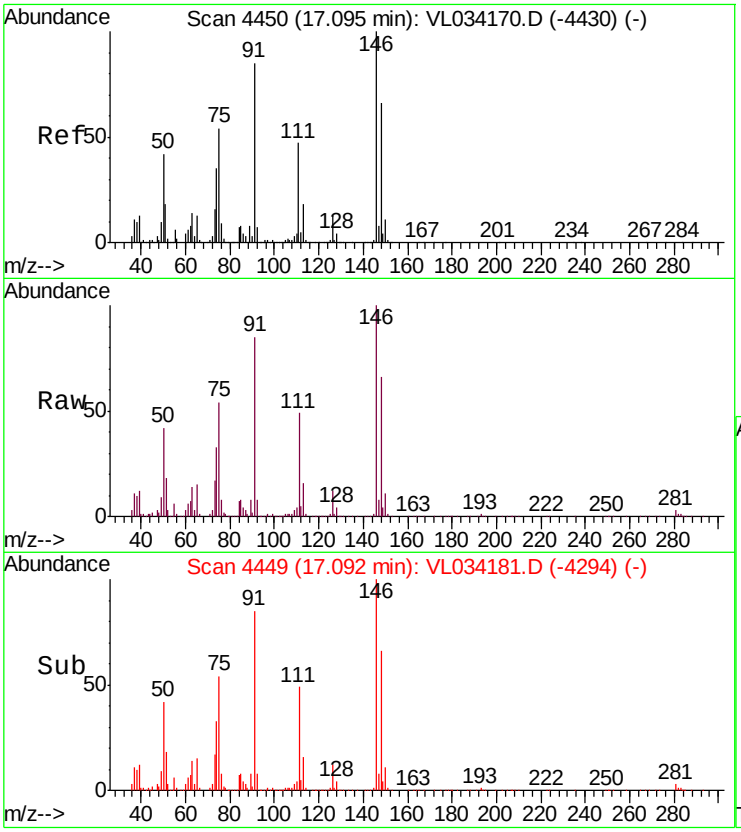


#74
1,2,4-Trimethylbenzene
Concen: 8.225 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. 0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:105 Resp: 2872670

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.5	56.3
91	42.8	41.1	61.7
77	23.2	19.9	29.9



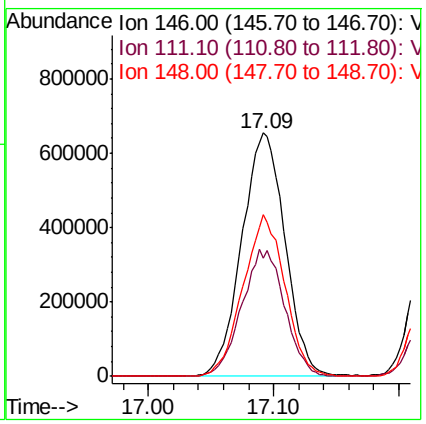


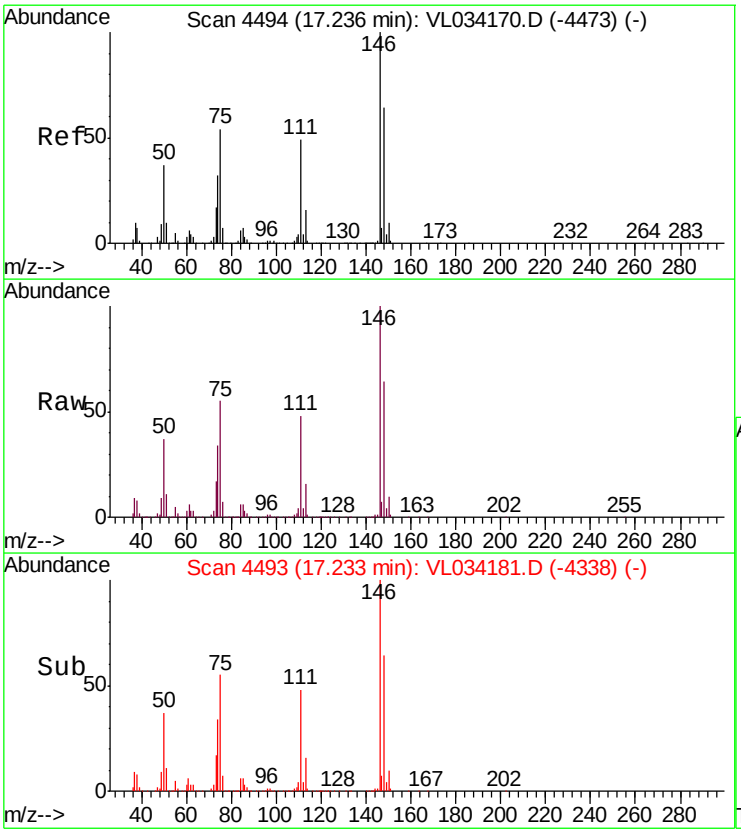
#75
1,3-Dichlorobenzene
Concen: 8.355 ppbv
RT: 17.09 min Scan# 4449
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:146 Resp: 1565509

Ion	Ratio	Lower	Upper
146	100		
111	51.7	25.9	77.8
148	64.4	32.6	97.7

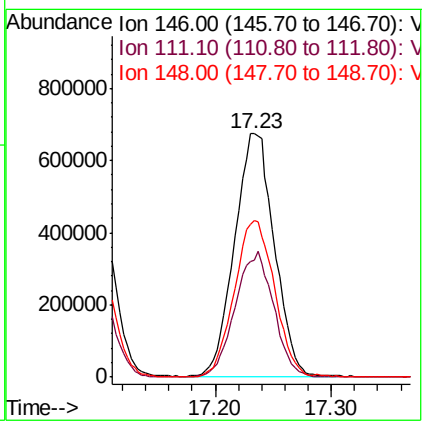


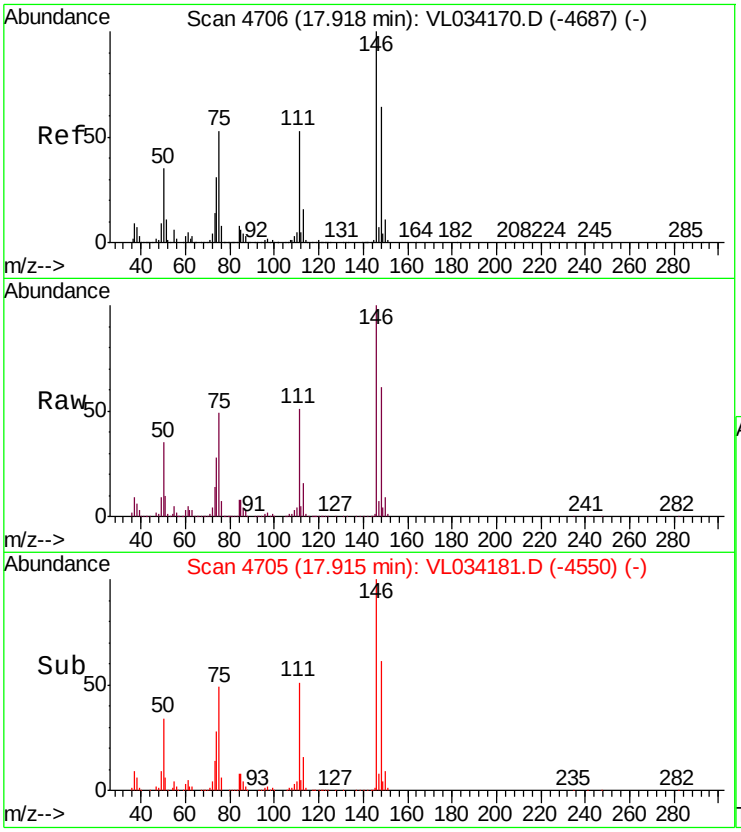


#76
1,4-Dichlorobenzene
Concen: 8.364 ppbv
RT: 17.23 min Scan# 4493
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:146 Resp: 1605026

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.6	74.0
148	65.2	32.4	97.0



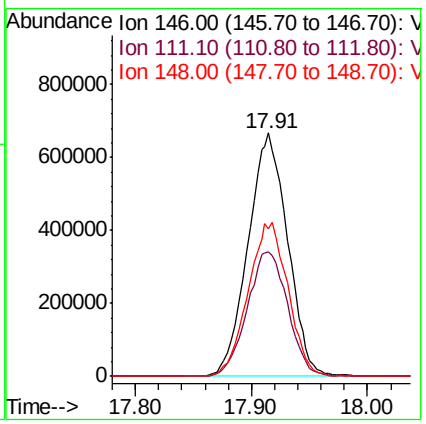


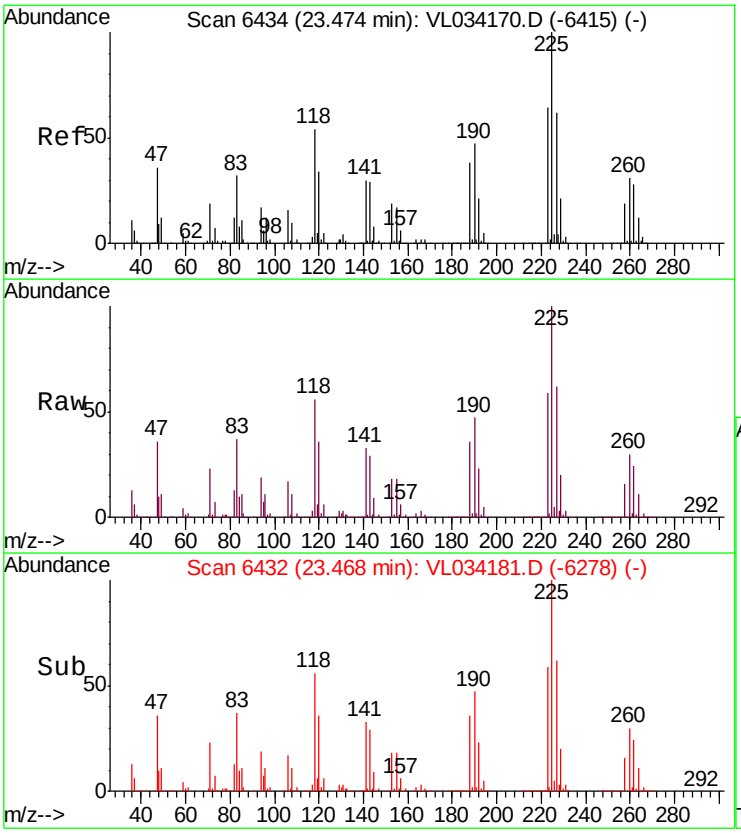
#77
1,2-Dichlorobenzene
Concen: 8.315 ppbv
RT: 17.91 min Scan# 4705
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument : MSVOA_L
ClientSampleId : VL0917ABS01

Tgt Ion:146 Resp: 1577030

Ion	Ratio	Lower	Upper
146	100		
111	52.7	26.1	78.3
148	63.9	31.9	95.9

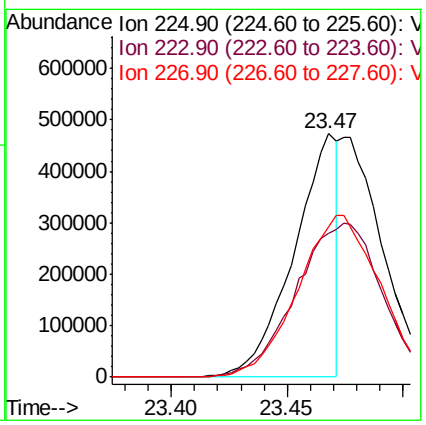


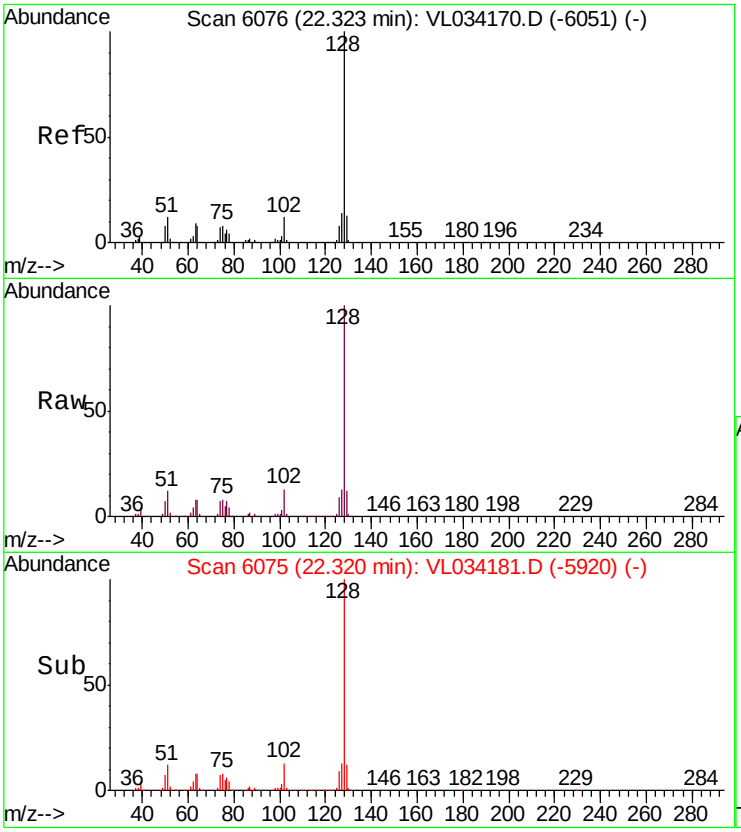


#78
Hexachloro-1,3-Butadiene
Concen: 4.906 ppbv
RT: 23.47 min Scan# 6432
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:225 Resp: 616262

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.7	77.5#
227	0.0	52.1	78.1#



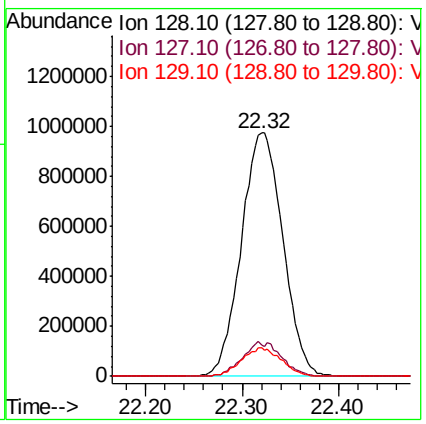


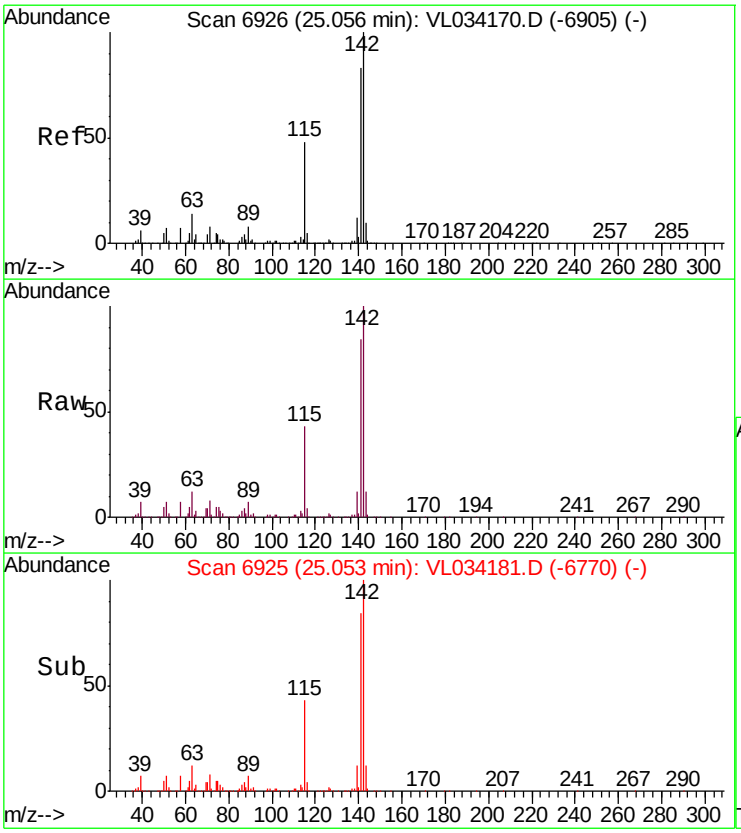
#79
Naphthalene
Concen: 9.456 ppbv
RT: 22.32 min Scan# 6075
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion:128 Resp: 2907426

Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.1	16.7
129	11.9	10.2	15.4

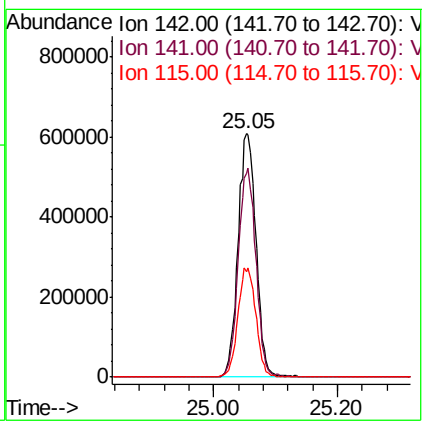


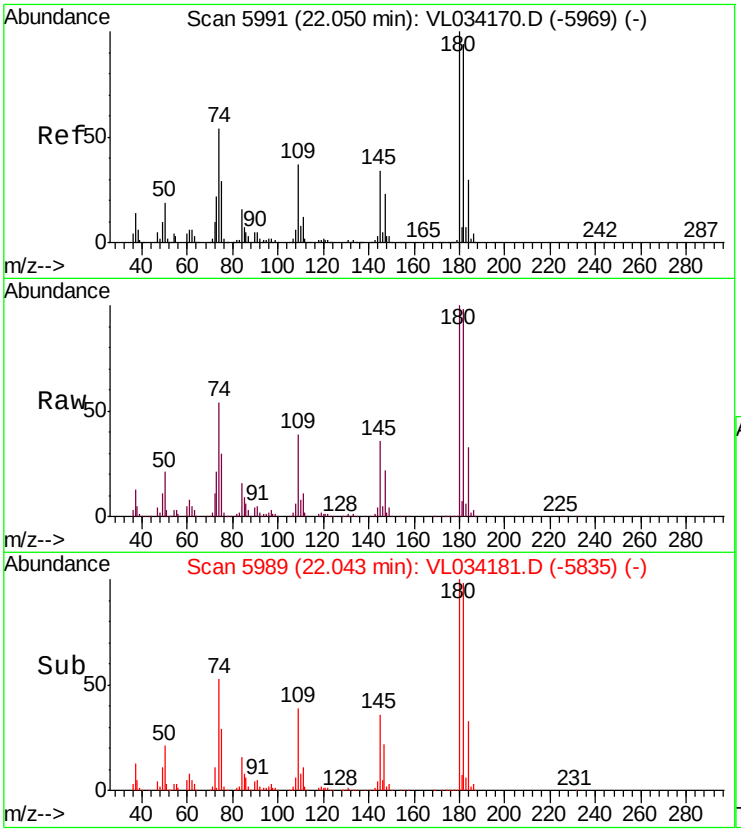


#80
Naphthalene,2-methyl-
Concen: 8.604 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.00 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Tgt Ion:142 Resp: 1230275

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	44.9	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 8.383 ppbv
RT: 22.04 min Scan# 5989
Delta R.T. -0.01 min
Lab File: VL034181.D
Acq: 17 Sep 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VL0917ABS01

Tgt Ion:180 Resp: 1427767

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.4	116.2
184	31.2	25.0	37.4