Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071719\
Data File : VL034035.D
Acq On : 17 Jul 2019 15:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 18 04:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1238530	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.25	114	3203495	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.20	117	3909942	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.53	95	2451968	7.35	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 73.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1971197	7.712	ppbv	98
3) Chlorodifluoromethane	2.99	51	1352347	8.842	ppbv	97
4) Chloromethane	3.15	50	807554	9.183	ppbv	99
5) Vinyl Chloride	3.27	62	874738	8.846	ppbv	96
6) Bromomethane	3.49	94	535328	9.180	ppbv	97
7) Chloroethane	3.57	64	330561	9.353	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2134552	8.566	ppbv	100
9) Propene	3.01	41	577896	10.271	ppbv	96
10) Heptane	8.21	43	1519994	10.790	ppbv	99
11) Trichlorofluoromethane	3.98	101	2270655	7.901	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1608318	7.906	ppbv	98
13) Ethanol	3.62	45	152085	8.701	ppbv	94
14) Bromoethene	3.76	108	719242	9.468	ppbv	98
15) Acetone	3.87	43	1604417	7.705	ppbv	98
16) 1,3-Butadiene	3.34	39	733810	9.980	ppbv	100
17) tert-Butyl alcohol	4.33	59	1584982	9.547	ppbv	100
18) 1,1-Dichloroethene	4.32	96	759951	8.388	ppbv	98
19) Isopropyl Alcohol	4.00	45	1249844	8.942	ppbv	99
20) Methylene Chloride	4.38	84	665101	7.323	ppbv	98
21) Allyl Chloride	4.45	41	1164656	8.970	ppbv	98
22) trans-1,2-Dichloroethene	4.93	96	765420	8.866	ppbv	93
23) Vinyl Acetate	5.12	43	2210160	10.634	ppbv	98
24) 1,1-Dichloroethane	5.06	63	1710051	9.284	ppbv	100
25) Ethyl Acetate	5.73	43	2824360	9.917	ppbv	100
26) Hexane	5.74	57	1283892	9.851	ppbv	99
27) Carbon Disulfide	4.59	76	1980998	8.941	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	2293209	10.390	ppbv	99
29) Chloroform	5.81	83	2156017	8.802	ppbv	99
30) Cyclohexane	7.21	84	1075483	10.685	ppbv	99
31) cis-1,2-Dichloroethene	5.61	61	1307165	10.381	ppbv	99
32) 1,1,1-Trichloroethane	6.58	97	2120592	8.542	ppbv	98
34) 2-Butanone	5.30	43	1757232	10.365	ppbv	100
35) Carbon Tetrachloride	7.10	117	2217844	8.745	ppbv	97
36) Benzene	6.97	78	2638567	10.526	ppbv	98
37) 1,2-Dichloroethane	6.37	62	1622466	8.786	ppbv	99
38) Trichloroethene	7.92	130	1119487	10.037	ppbv	95
39) 1,2-Dichloropropane	7.70	63	955551	10.252	ppbv	95
40) 1,4-Dioxane	7.91	88	209527	4.869	ppbv #	1
41) Tetrahydrofuran	6.11	42	931210	11.200	ppbv	99
42) Bromodichloromethane	7.88	83	2333501	9.418	ppbv	100
43) Methyl Methacrylate	8.10	69	1065895	11.207	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071719\
Data File : VL034035.D
Acq On : 17 Jul 2019 15:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 18 04:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4430253	10.239	ppbv		99
45) t-1,3-Dichloropropene	9.37	75	1453359	11.686	ppbv		100
46) cis-1,3-Dichloropropene	8.80	75	1637758	11.371	ppbv		96
47) 1,1,2-Trichloroethane	9.57	97	1106670	9.443	ppbv		97
48) Dibromochloromethane	10.41	129	1957947	8.756	ppbv		98
49) Bromoform	13.16	173	1744995	9.134	ppbv		99
50) 4-Methyl-2-Pentanone	8.83	43	2598593	10.329	ppbv		99
51) 2-Hexanone	10.23	43	2100137	10.351	ppbv	#	100
52) Tetrachloroethene	11.33	164	1030797	9.555	ppbv		98
53) Toluene	9.90	91	3123514	10.886	ppbv		99
54) 1,2-Dibromoethane	10.71	107	1697693	9.816	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.23	131	1325715	7.586	ppbv		98
57) Chlorobenzene	12.26	112	2344974	7.533	ppbv		99
58) Ethyl Benzene	12.82	91	4184955	8.901	ppbv		100
59) m/p-Xylene	13.11	91	3835751	9.010	ppbv	#	45
60) o-Xylene	13.80	91	3386827	7.952	ppbv		98
61) Styrene	13.64	104	2557509	9.074	ppbv		99
62) Isopropylbenzene	14.78	105	4440665	6.783	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.79	83	2282642	6.924	ppbv		99
64) n-propylbenzene	15.68	120	1147224	6.757	ppbv		97
65) tert-Butylbenzene	16.86	119	3989710	7.166	ppbv		100
66) Benzyl Chloride	17.11	91	2212699	7.768	ppbv		99
67) sec-Butylbenzene	17.42	105	5668466	7.253	ppbv		100
69) p-Isopropyltoluene	17.77	119	4760278	7.388	ppbv		100
70) n-Butylbenzene	18.67	91	5011428	7.404	ppbv		99
71) 2-Chlorotoluene	15.57	91	3382172	7.059	ppbv		99
72) 4-Ethyltoluene	15.96	105	3921352	7.170	ppbv		99
73) 1,3,5-Trimethylbenzene	16.11	105	3812630	7.492	ppbv		100
74) 1,2,4-Trimethylbenzene	16.88	105	3917626	6.950	ppbv		96
75) 1,3-Dichlorobenzene	17.12	146	2313963	6.463	ppbv		98
76) 1,4-Dichlorobenzene	17.26	146	2298882	6.817	ppbv		99
77) 1,2-Dichlorobenzene	17.94	146	2250453	6.788	ppbv		98
78) Hexachloro-1,3-Butadiene	23.50	225	1942414	6.885	ppbv		99
79) Naphthalene	22.35	128	4379452	9.242	ppbv		98
80) Naphthalene,2-methyl-	25.07	142	1097165	6.362	ppbv		99
81) 1,2,4-Trichlorobenzene	22.08	180	2485986	8.168	ppbv		100

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071719\
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Acq On : 17 Jul 2019 15:13
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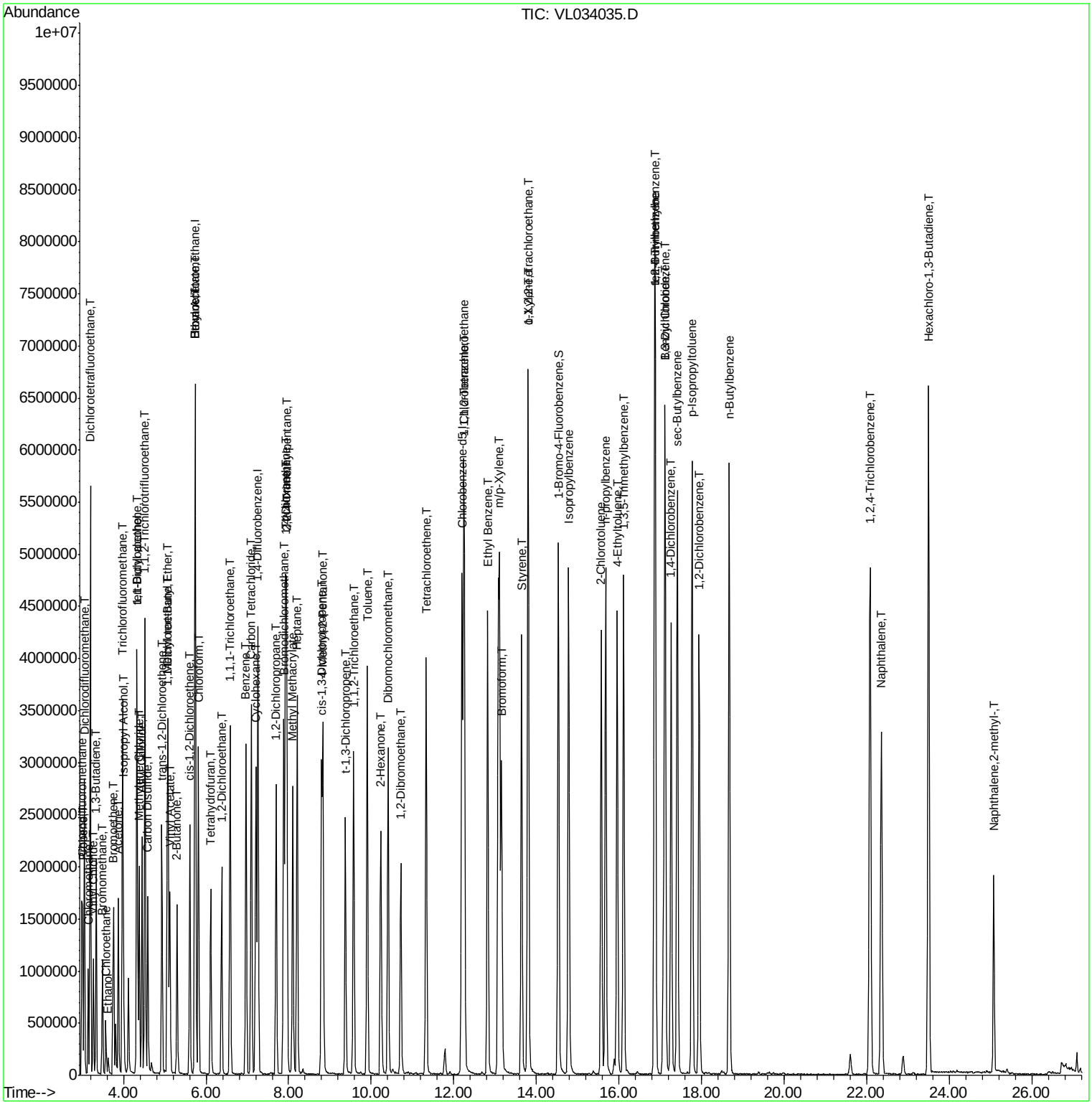
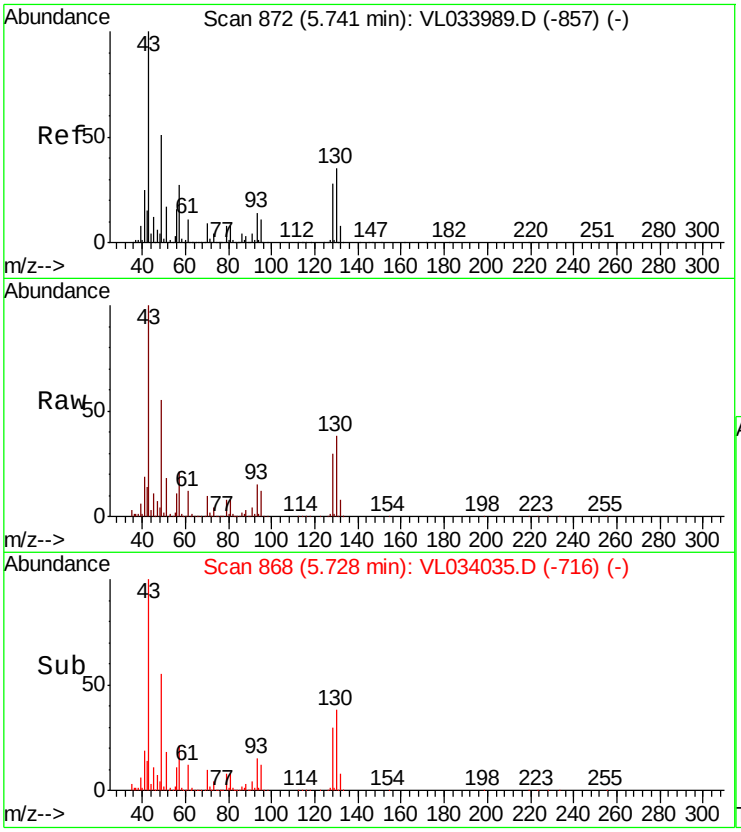
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 18 04:38:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



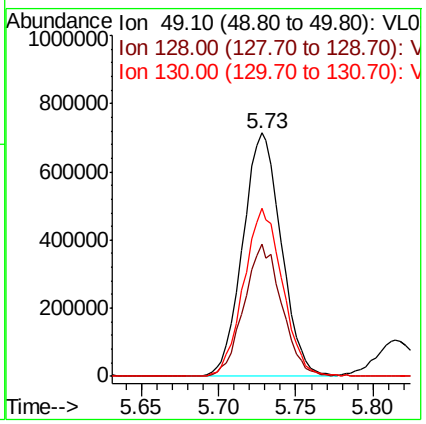


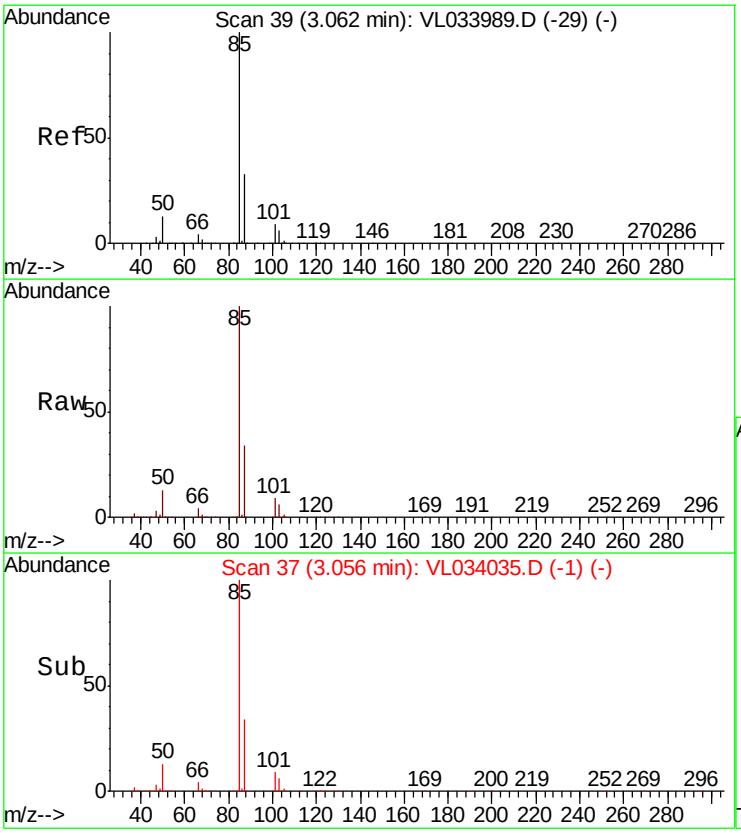
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1238530

Ion	Ratio	Lower	Upper
49	100		
128	53.2	27.9	83.6
130	69.4	35.8	107.4

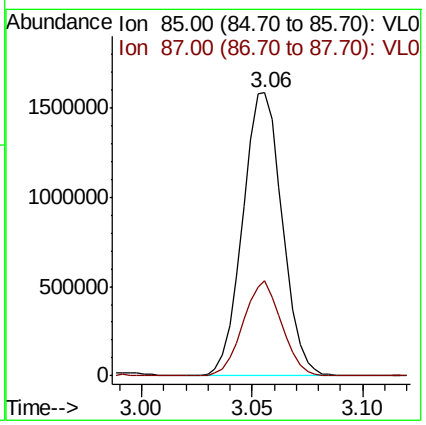


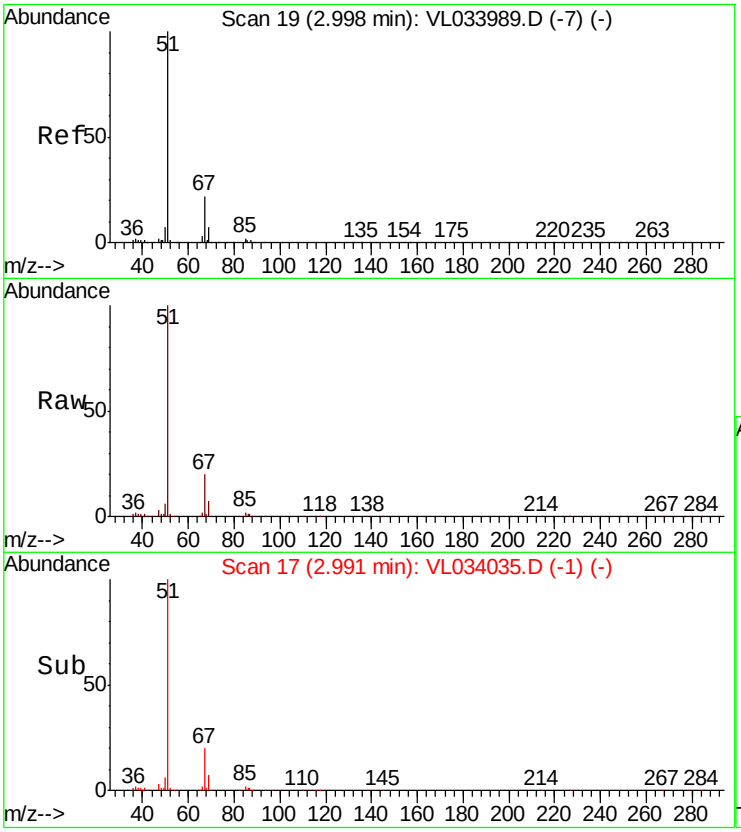


#2
Dichlorodifluoromethane
Concen: 7.712 ppbv
RT: 3.06 min Scan# 37
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 85 Resp: 1971197

Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.0	39.0



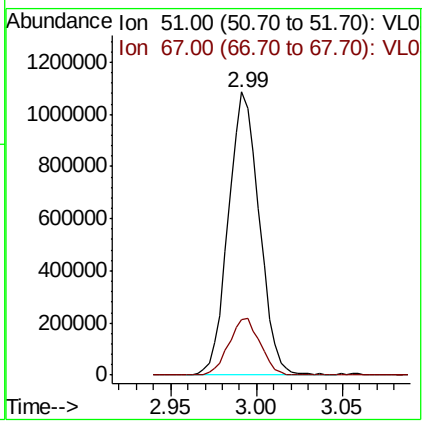


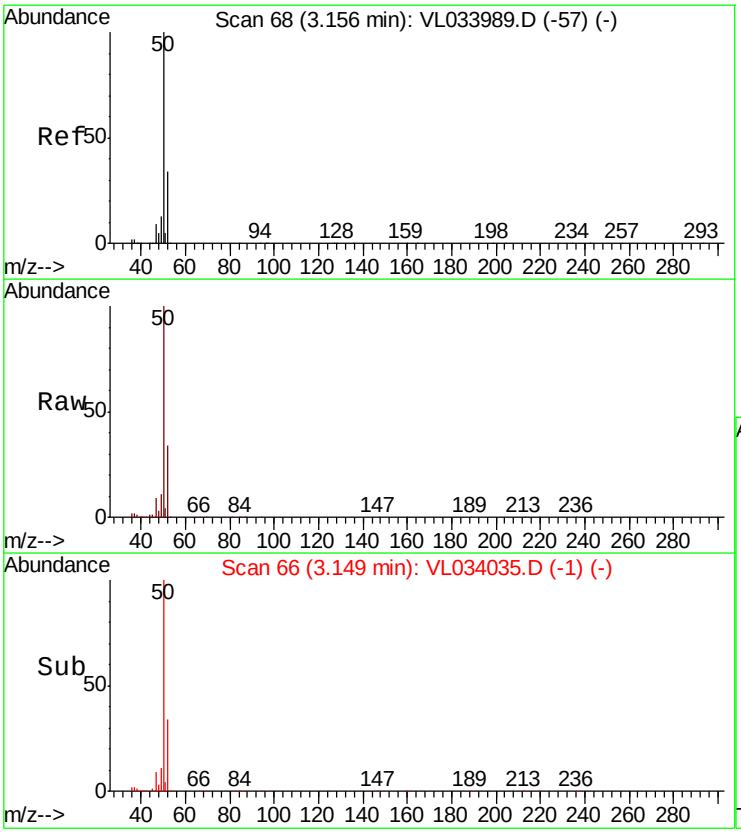
#3
Chlorodifluoromethane
Concen: 8.842 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1352347

Ion	Ratio	Lower	Upper
51	100		
67	20.3	17.3	25.9

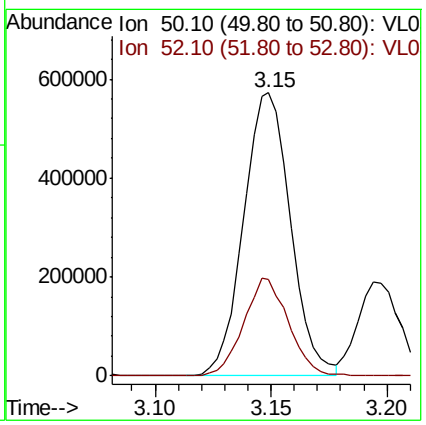


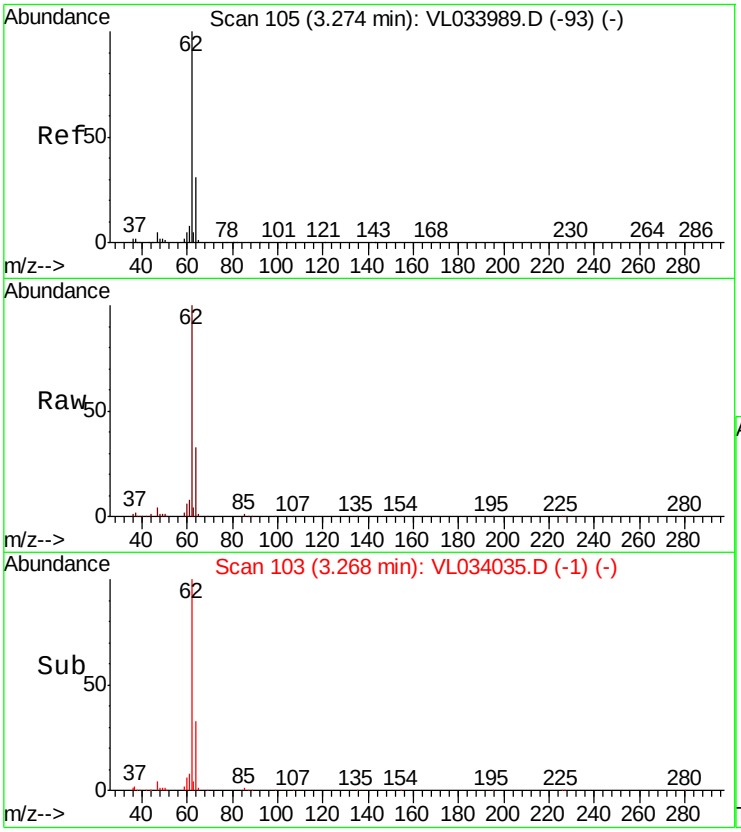


#4
Chloromethane
Concen: 9.183 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 50 Resp: 807554

Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.4	41.0



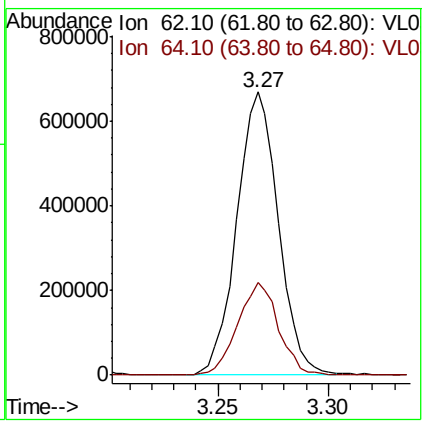


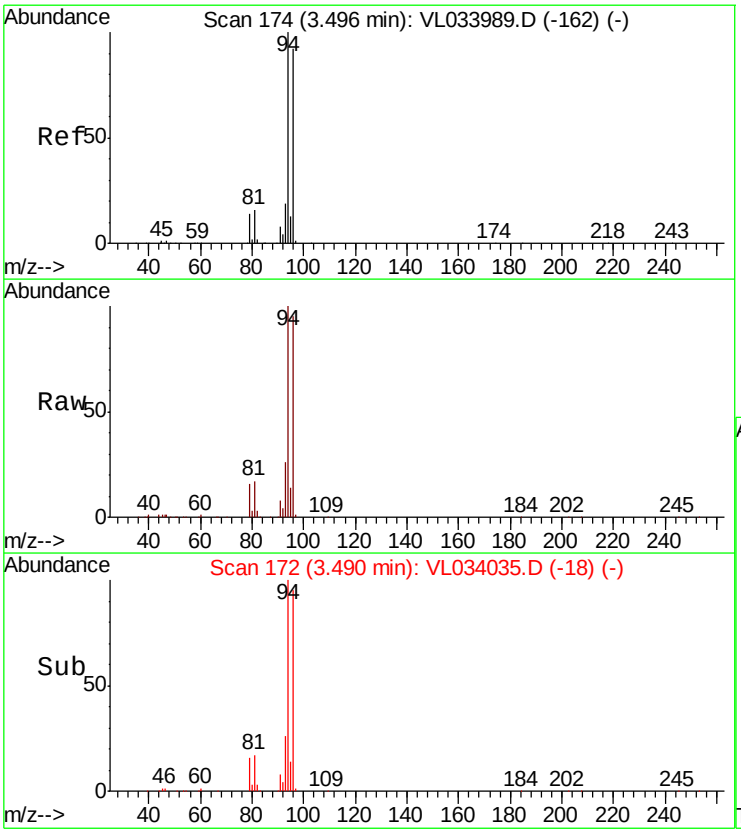
#5
Vinyl Chloride
Concen: 8.846 ppbv
RT: 3.27 min Scan# 103
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 874738

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.4	36.6

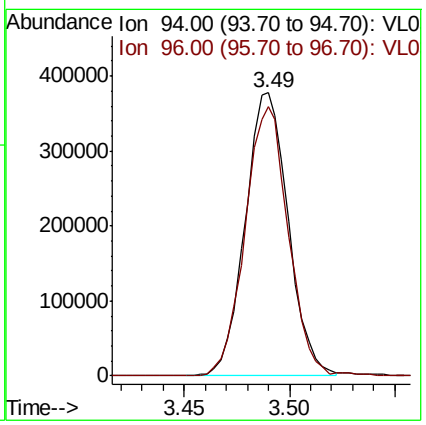


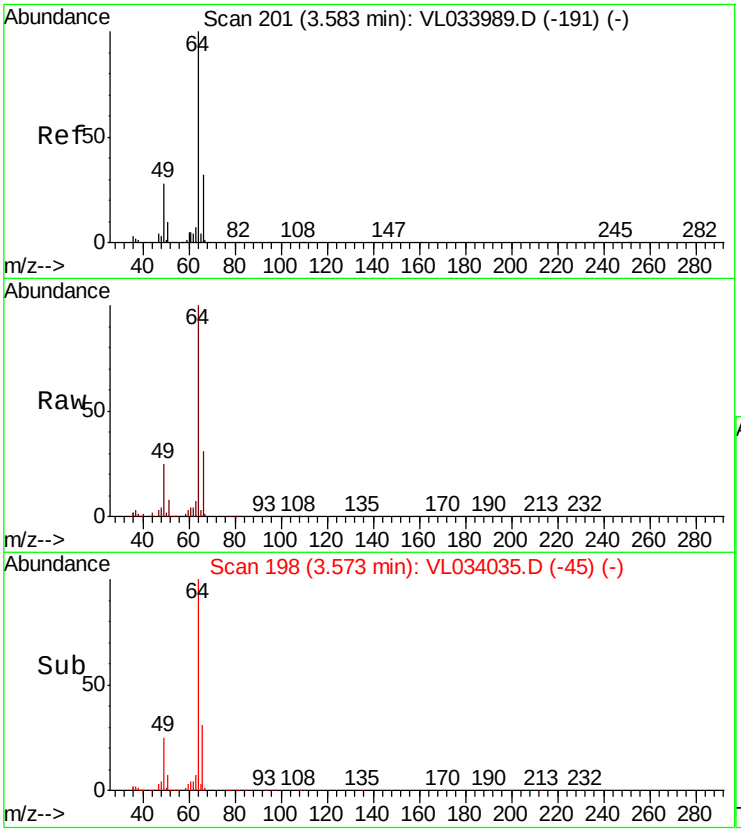


#6
Bromomethane
Concen: 9.180 ppbv
RT: 3.49 min Scan# 172
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 94 Resp: 535328

Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.8	110.8



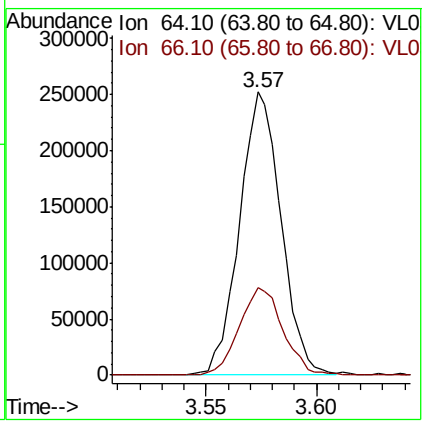


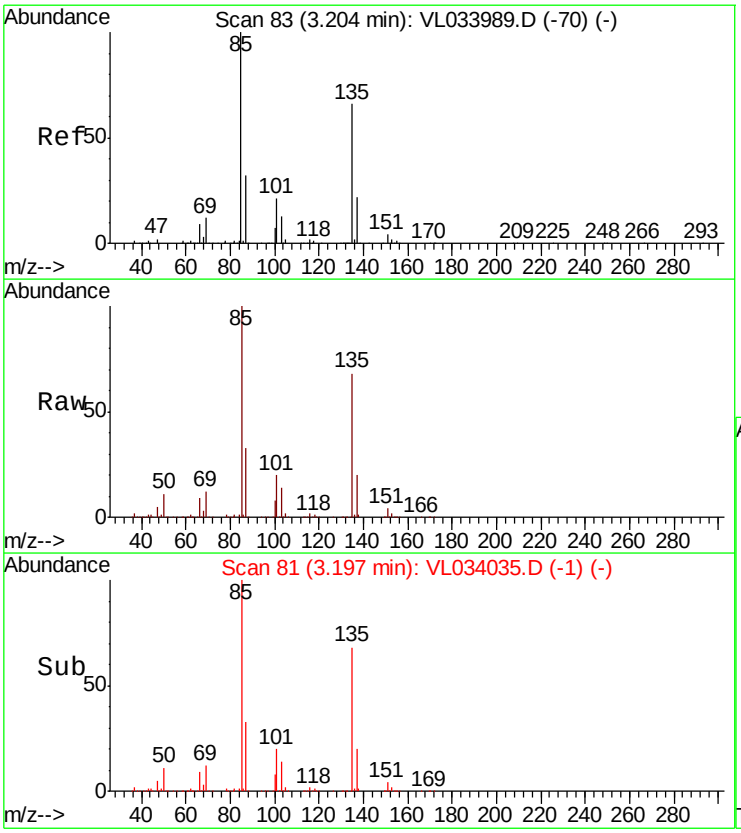
#7
Chloroethane
Concen: 9.353 ppbv
RT: 3.57 min Scan# 198
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 330561

Ion	Ratio	Lower	Upper
64	100		
66	31.0	25.3	37.9

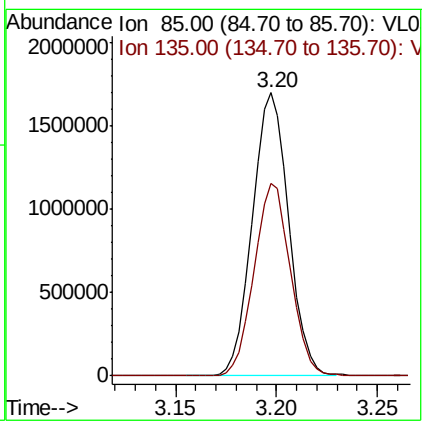


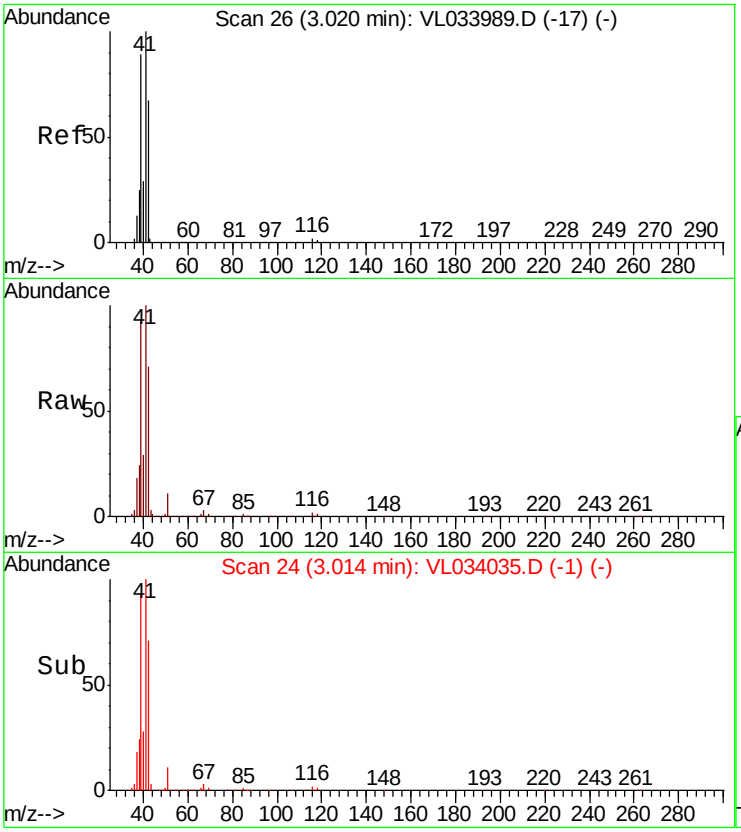


#8
Dichlorotetrafluoroethane
Concen: 8.566 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 85 Resp: 2134552

Ion	Ratio	Lower	Upper
85	100		
135	68.3	55.0	82.4



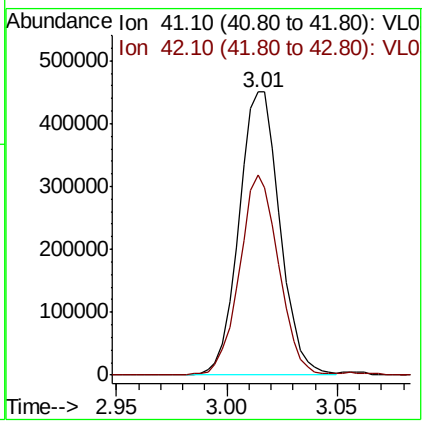


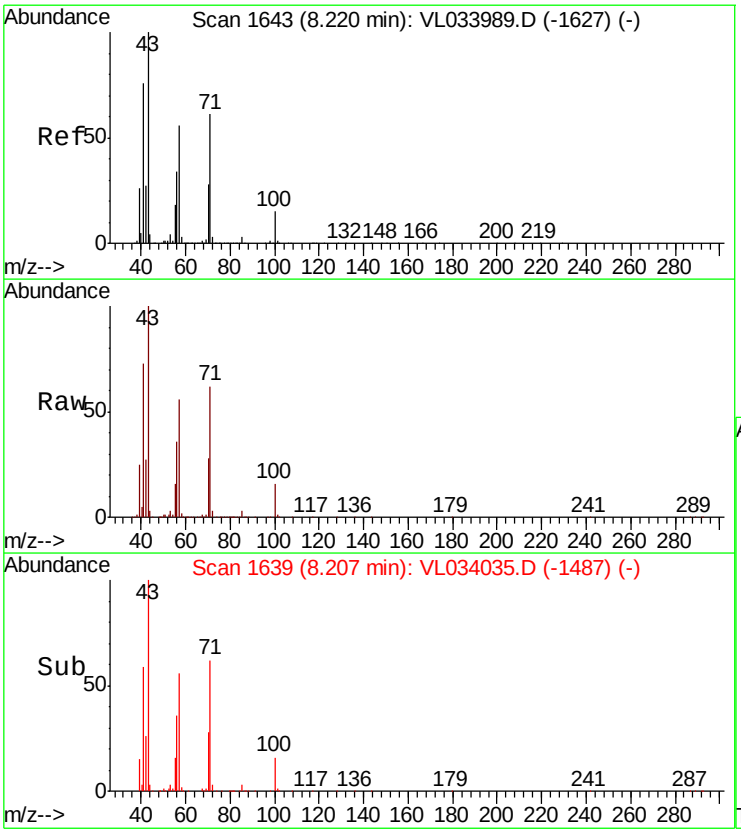
#9
Propene
Concen: 10.271 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 577896

Ion	Ratio	Lower	Upper
41	100		
42	68.5	57.1	85.7

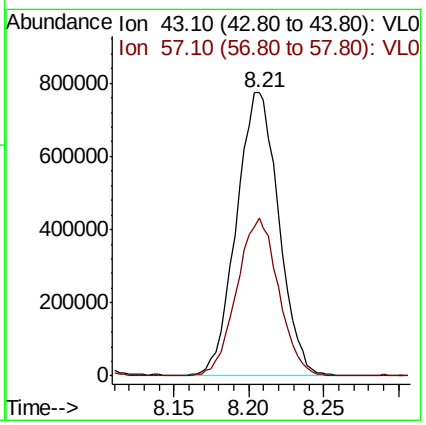


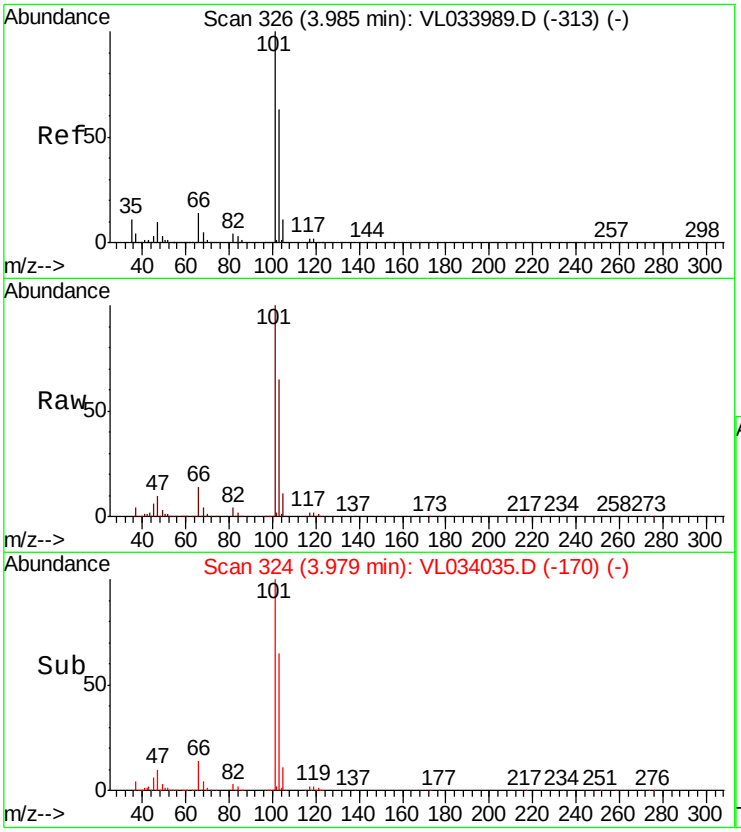


#10
Heptane
Concen: 10.790 ppbv
RT: 8.21 min Scan# 1639
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 43 Resp: 1519994

Ion	Ratio	Lower	Upper
43	100		
57	55.1	44.6	66.8



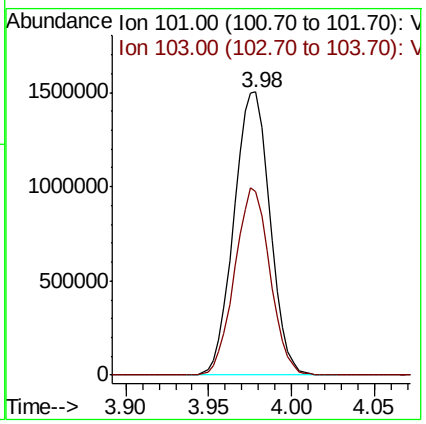


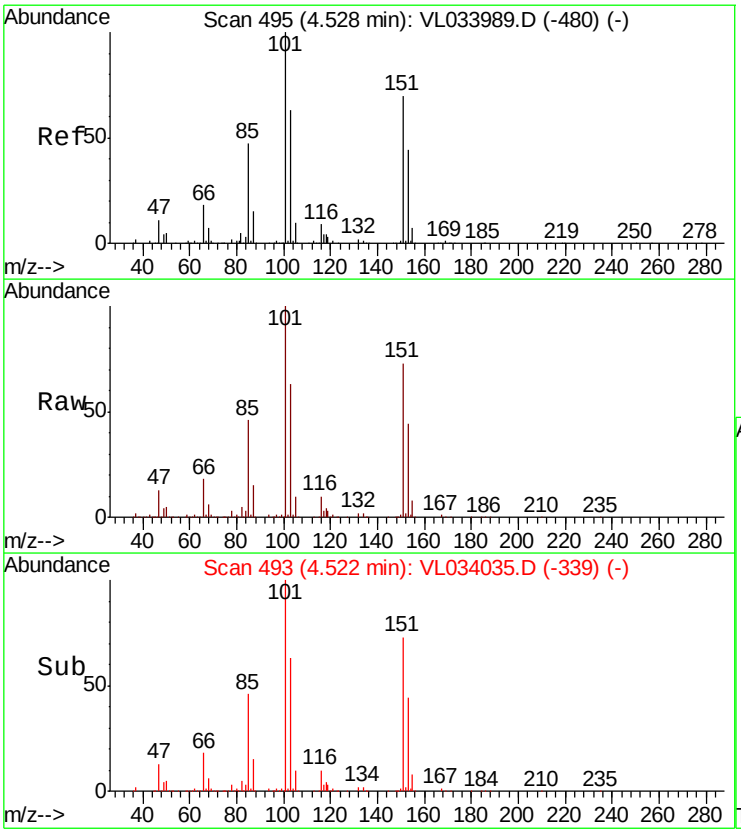
#11
Trichlorofluoromethane
Concen: 7.901 ppbv
RT: 3.98 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2270655

Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.8	76.2

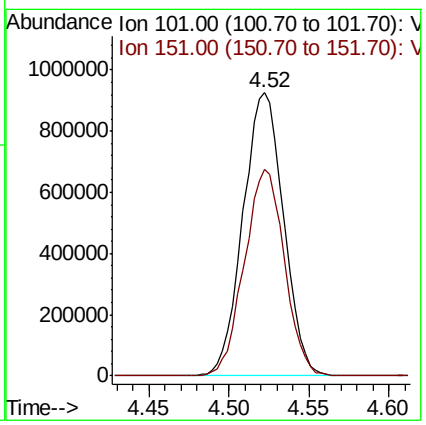


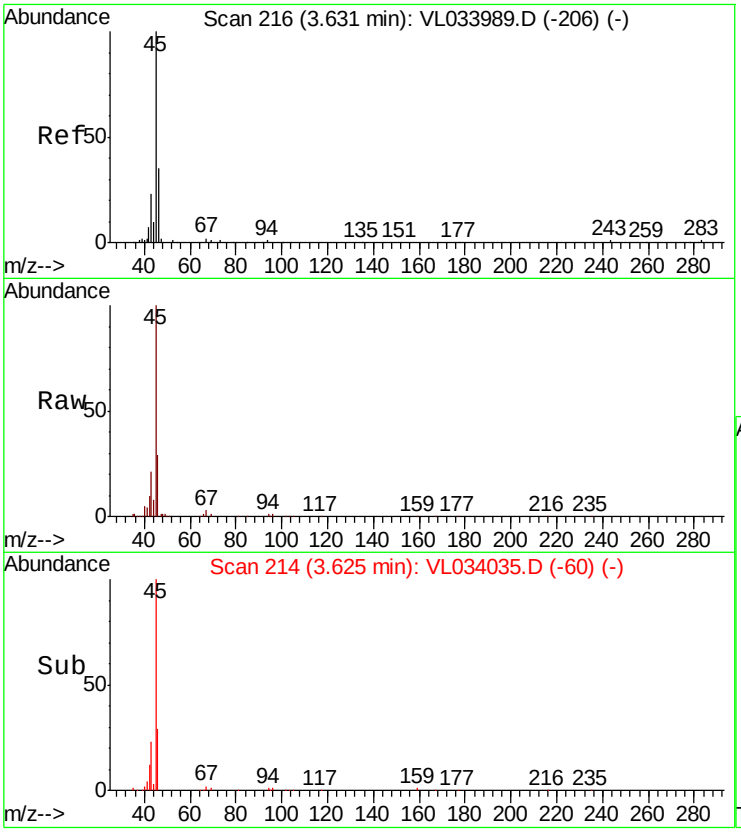


#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.906 ppbv
RT: 4.52 min Scan# 493
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:101 Resp: 1608318

Ion	Ratio	Lower	Upper
101	100		
151	72.2	59.0	88.4



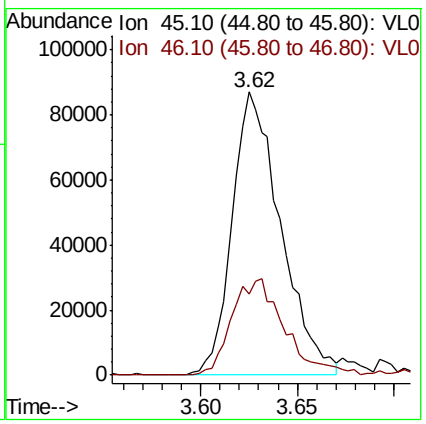


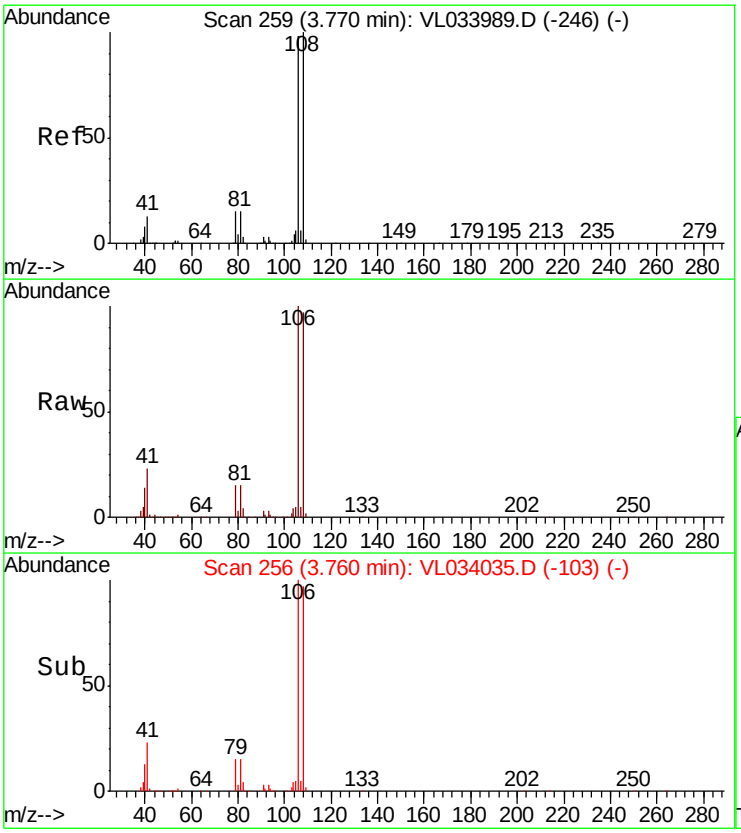
#13
Ethanol
Concen: 8.701 ppbv
RT: 3.62 min Scan# 214
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 152085

Ion	Ratio	Lower	Upper
45	100		
46	36.8	16.2	64.6

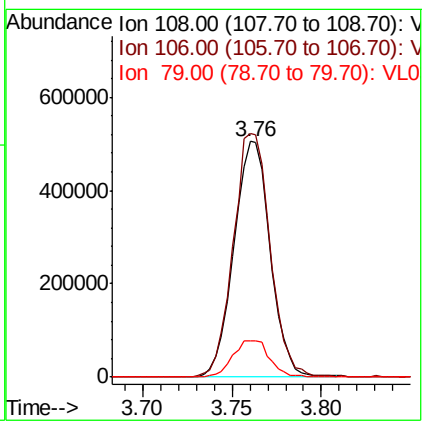


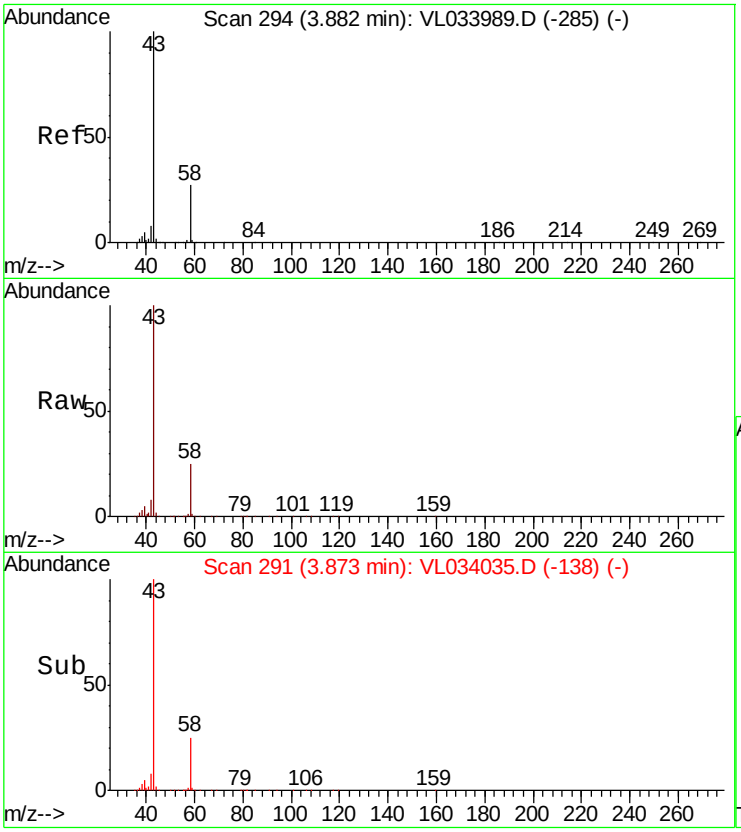


#14
Bromoethene
Concen: 9.468 ppbv
RT: 3.76 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:108 Resp: 719242

Ion	Ratio	Lower	Upper
108	100		
106	105.1	85.6	128.4
79	16.0	14.0	21.0



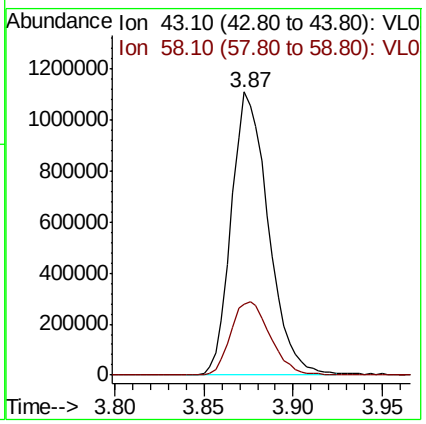


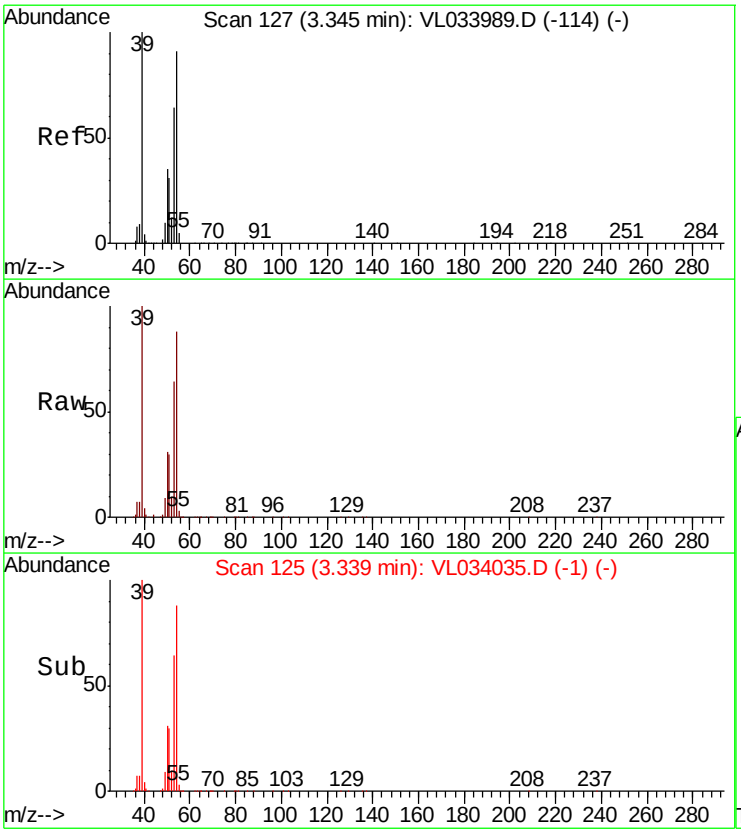
#15
Acetone
Concen: 7.705 ppbv
RT: 3.87 min Scan# 291
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1604417

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.4	32.0

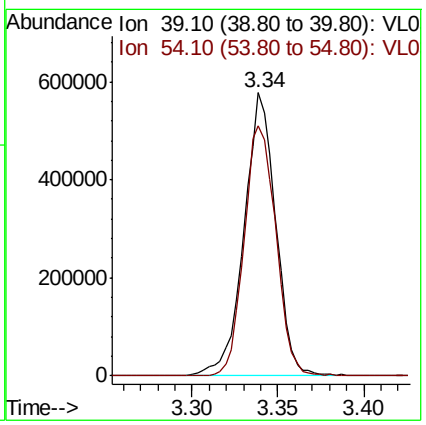


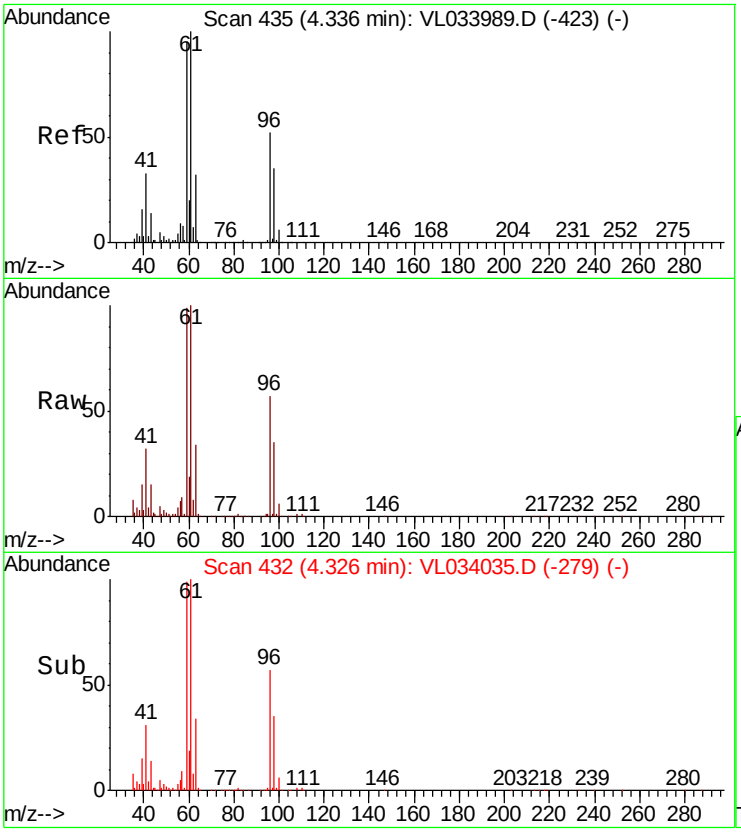


#16
1,3-Butadiene
Concen: 9.980 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 39 Resp: 733810

Ion	Ratio	Lower	Upper
39	100		
54	89.3	71.4	107.2



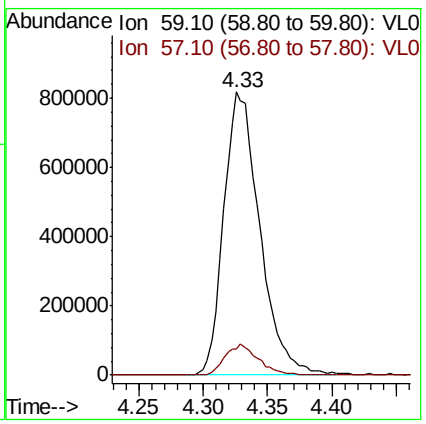


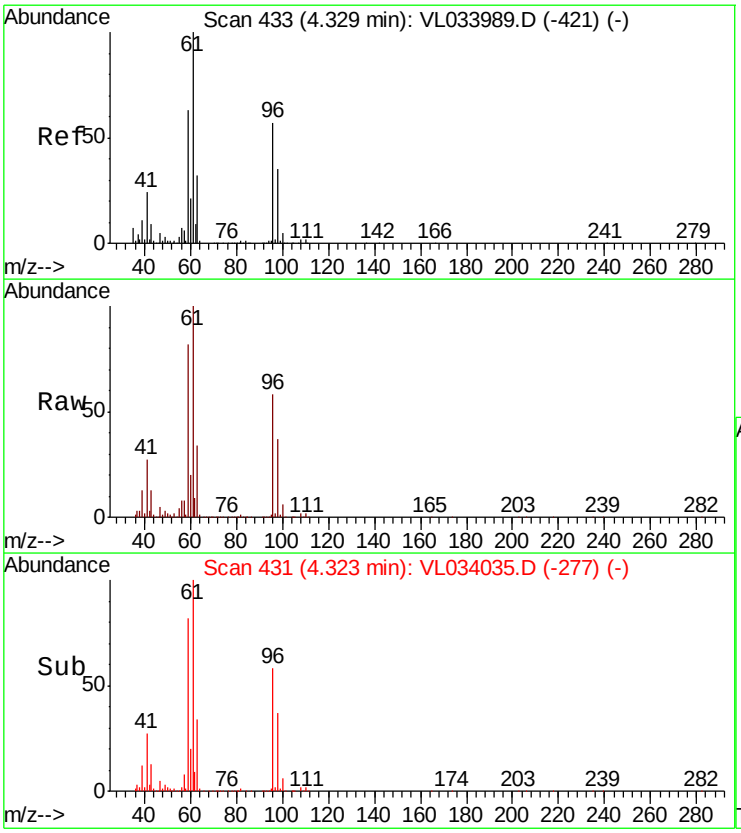
#17
tert-Butyl alcohol
Concen: 9.547 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1584982

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

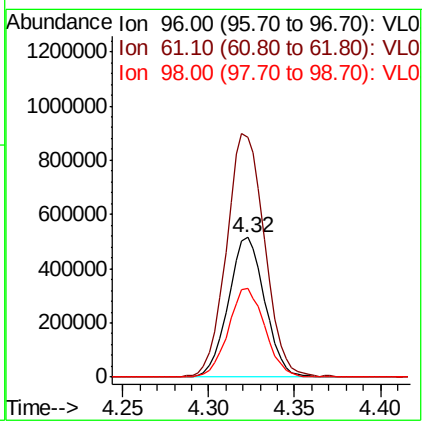


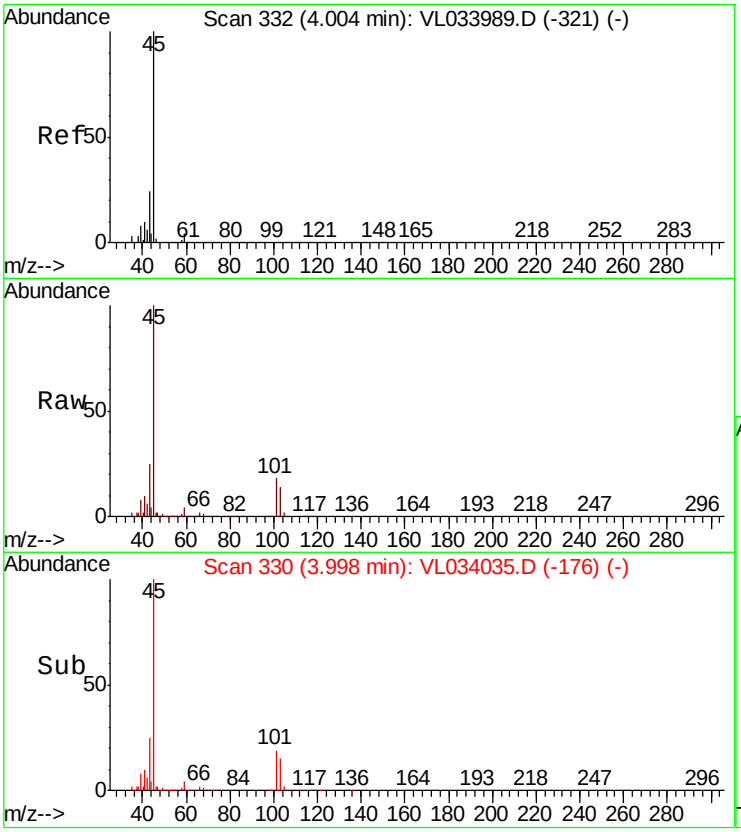


#18
1,1-Dichloroethene
Concen: 8.388 ppbv
RT: 4.32 min Scan# 431
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 96 Resp: 759951

Ion	Ratio	Lower	Upper
96	100		
61	171.2	139.4	209.0
98	63.0	49.4	74.0



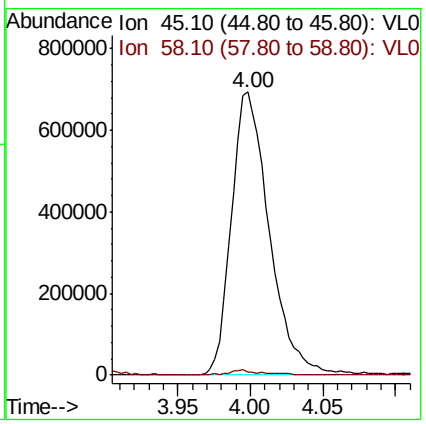


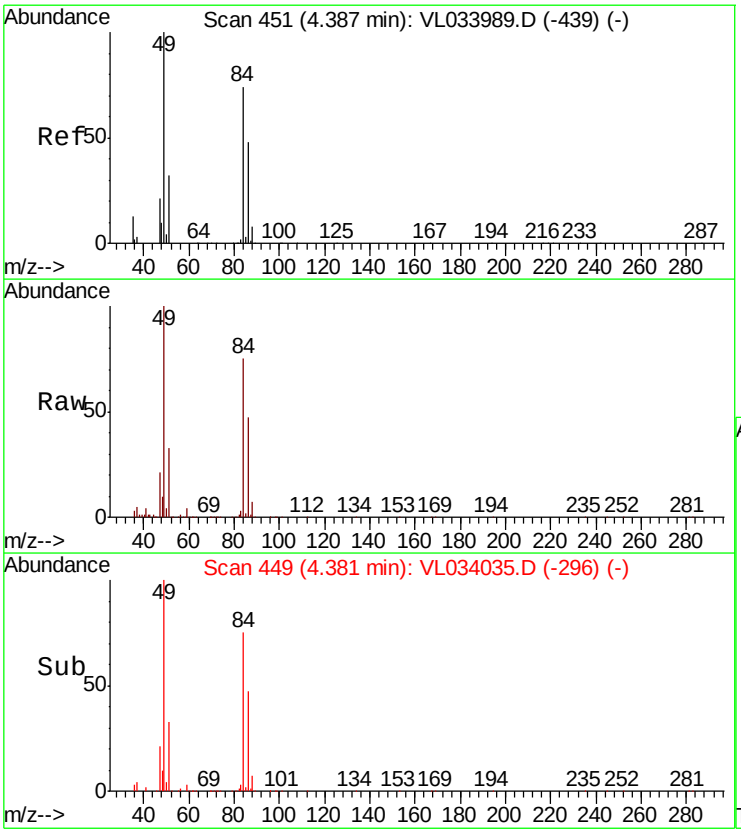
#19
Isopropyl Alcohol
Concen: 8.942 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1249844

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.7	2.5

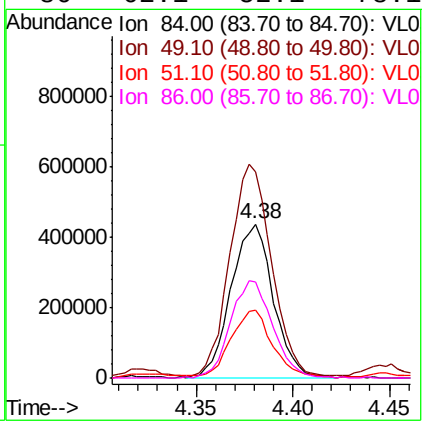


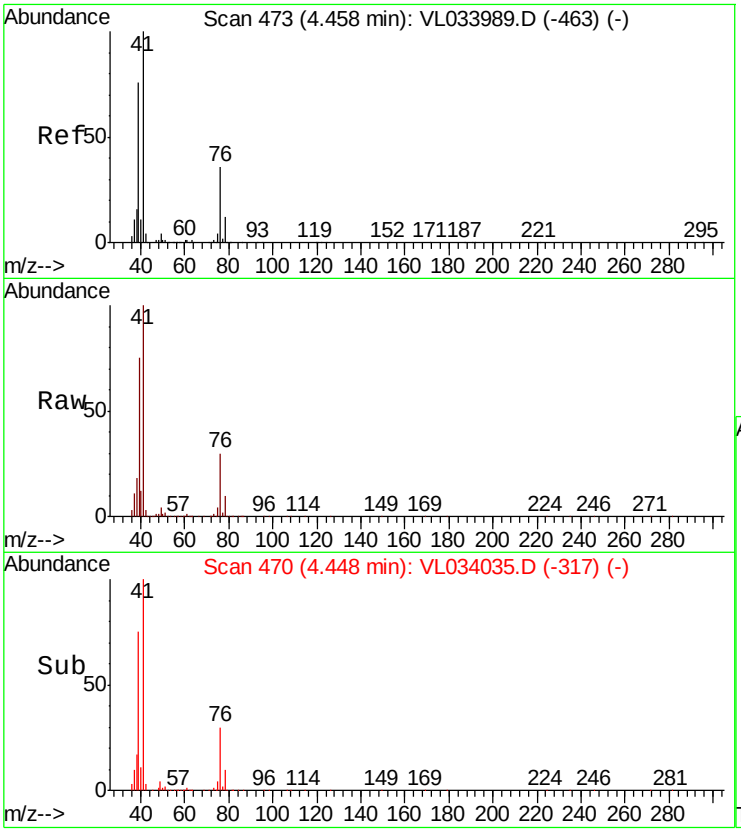


#20
Methylene Chloride
Concen: 7.323 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 84 Resp: 665101

Ion	Ratio	Lower	Upper
84	100		
49	132.4	107.6	161.4
51	43.9	35.0	52.6
86	62.1	52.1	78.1



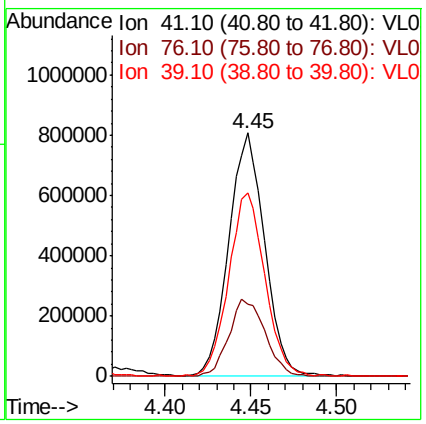


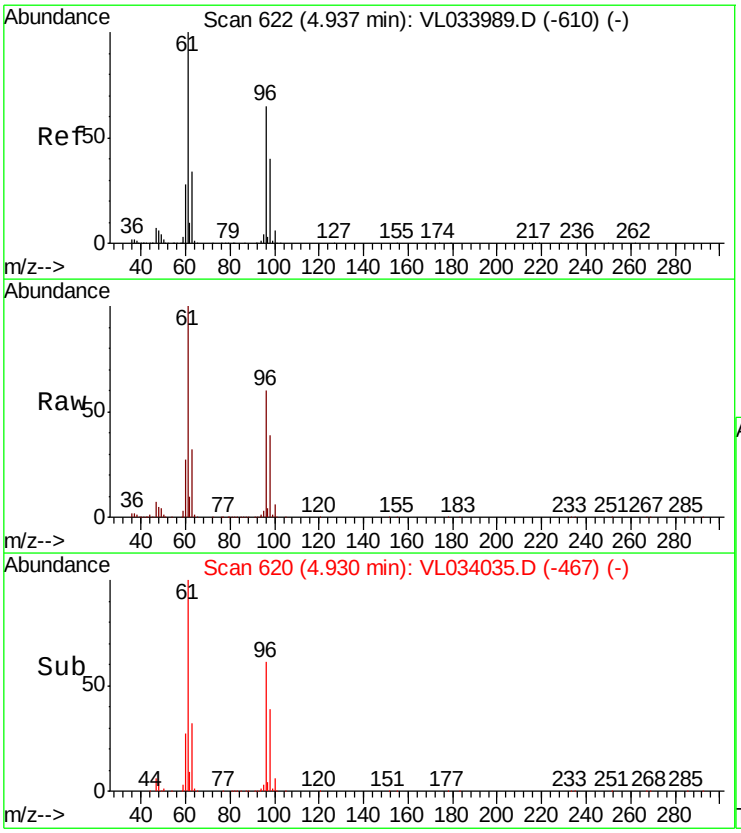
#21
Allyl Chloride
Concen: 8.970 ppbv
RT: 4.45 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1164656

Ion	Ratio	Lower	Upper
41	100		
76	32.3	26.8	40.2
39	76.9	63.1	94.7

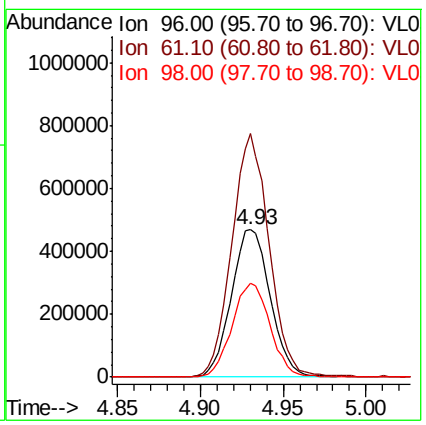


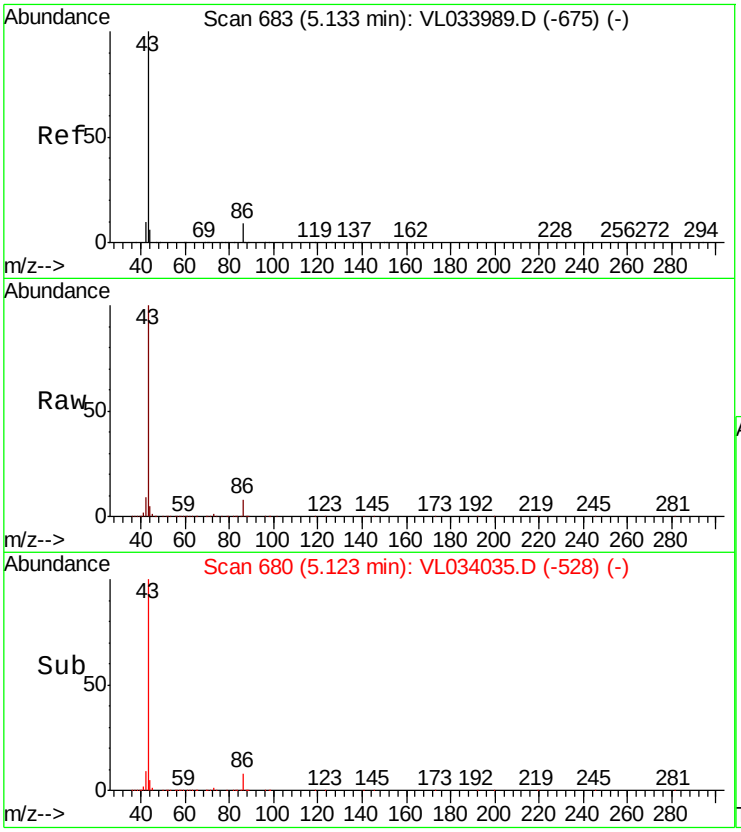


#22
trans-1,2-Dichloroethene
Concen: 8.866 ppbv
RT: 4.93 min Scan# 620
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 96 Resp: 765420

Ion	Ratio	Lower	Upper
96	100		
61	165.5	122.9	184.3
98	63.7	49.6	74.4



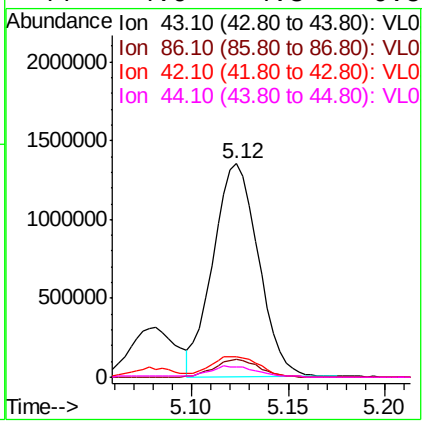


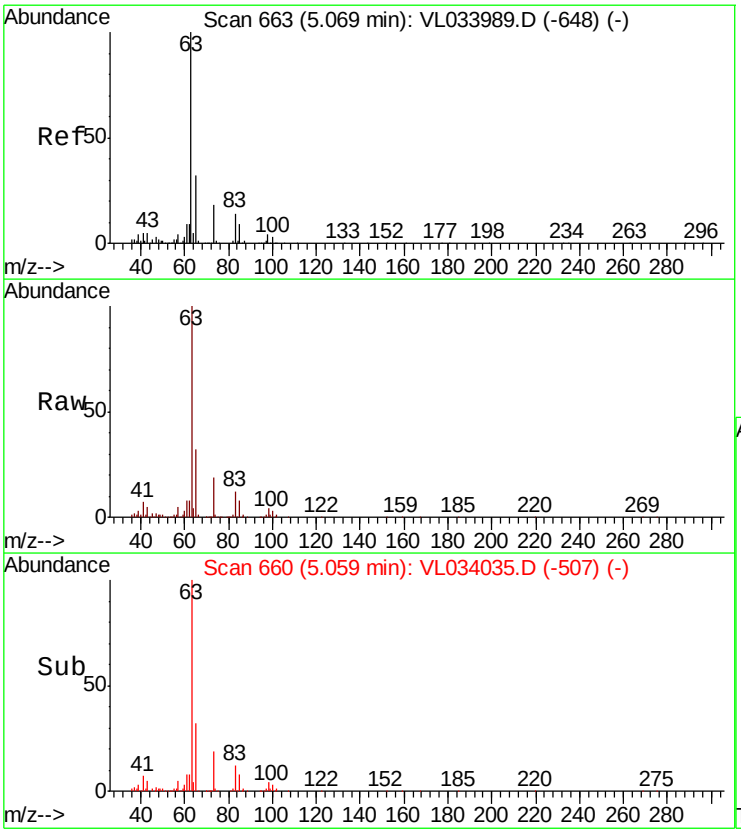
#23
Vinyl Acetate
Concen: 10.634 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2210160

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	9.4	8.3	12.5
44	4.9	4.3	6.5

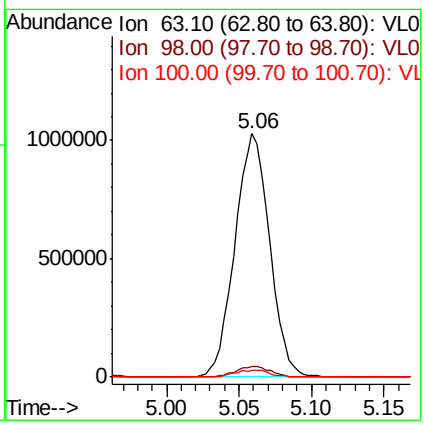


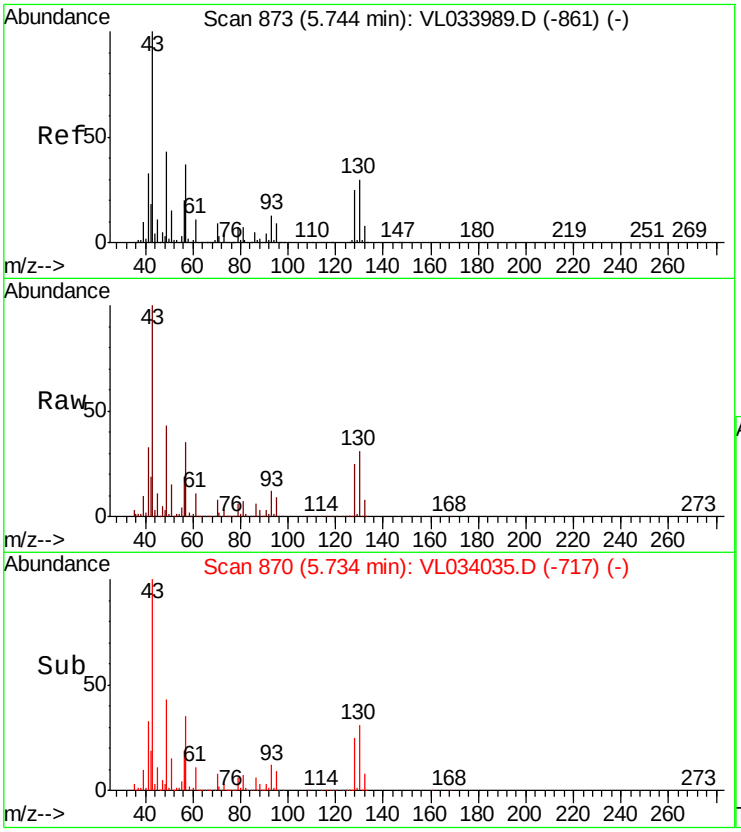


#24
1,1-Dichloroethane
Concen: 9.284 ppbv
RT: 5.06 min Scan# 660
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 63 Resp: 1710051

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.2	6.6
100	2.9	1.4	4.2



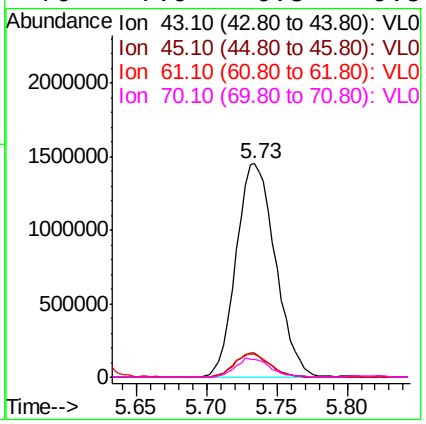


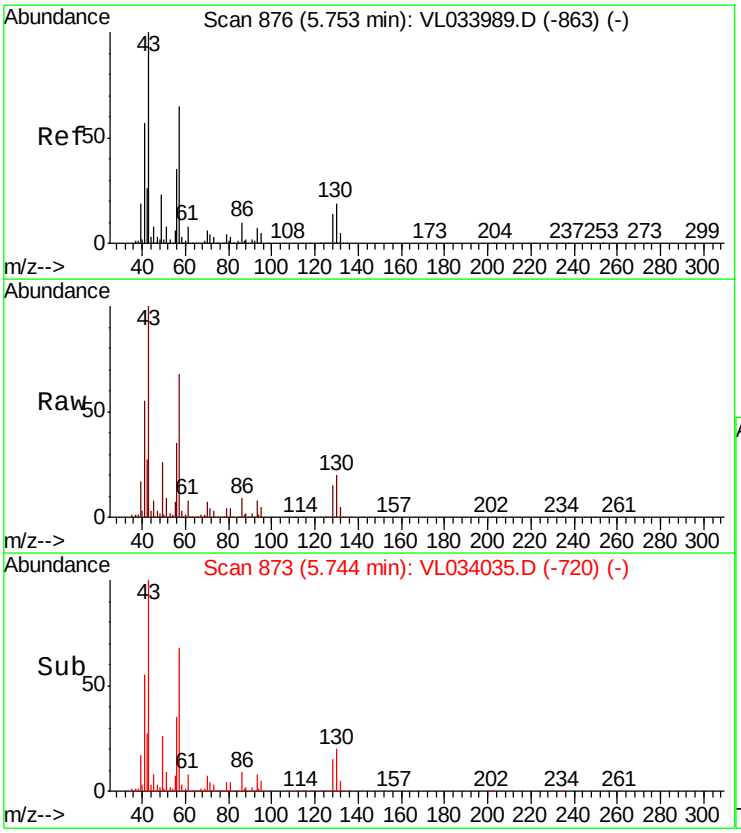
#25
Ethyl Acetate
Concen: 9.917 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2824360

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	10.1	8.1	12.1
70	7.9	6.3	9.5

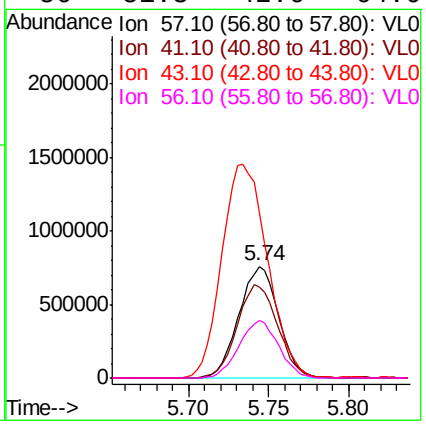


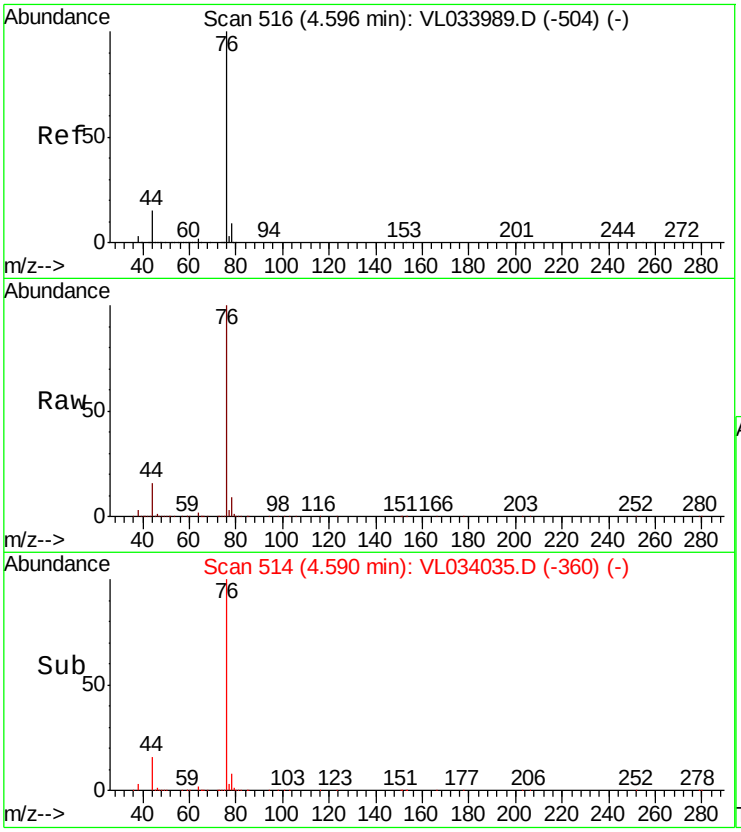


#26
Hexane
Concen: 9.851 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 57 Resp: 1283892

Ion	Ratio	Lower	Upper
57	100		
41	85.3	70.6	105.8
43	221.7	177.6	266.4
56	51.3	42.6	64.0



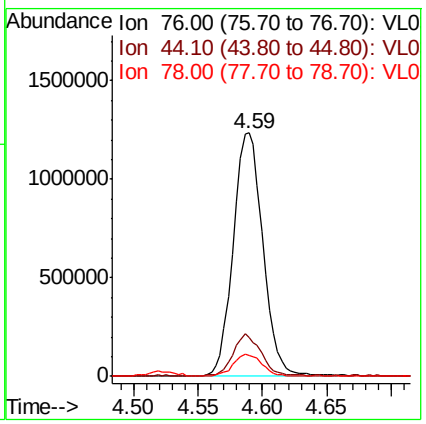


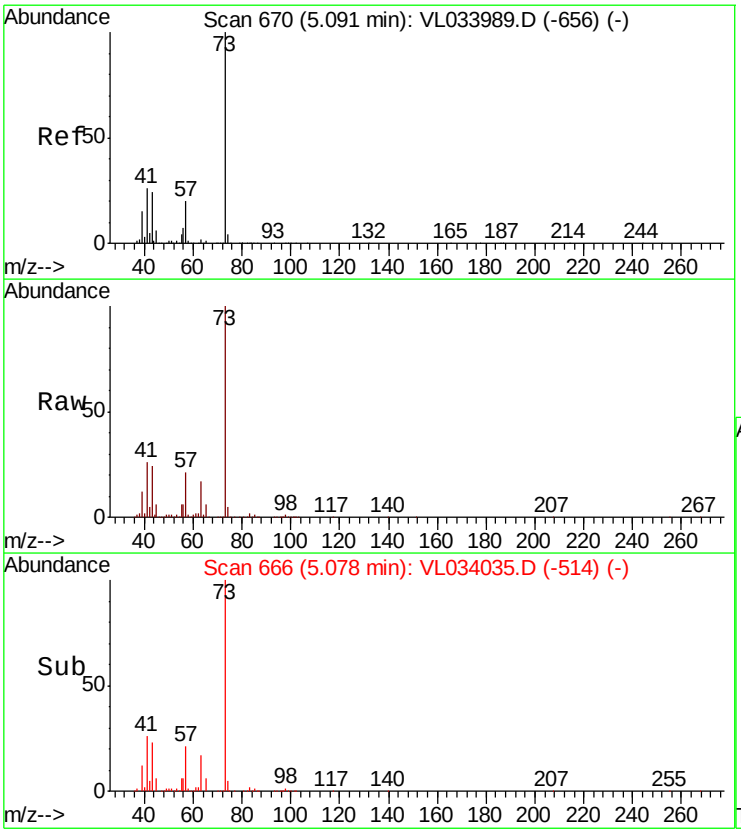
#27
Carbon Disulfide
Concen: 8.941 ppbv
RT: 4.59 min Scan# 514
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1980998

Ion	Ratio	Lower	Upper
76	100		
44	15.9	12.6	18.8
78	8.8	7.2	10.8

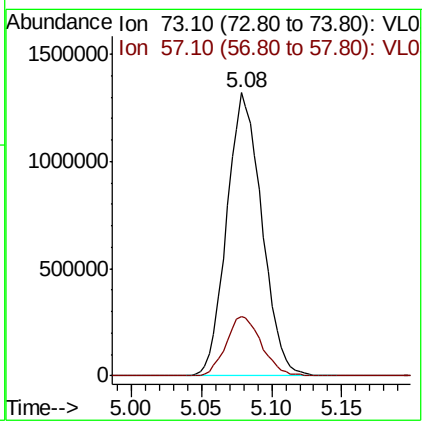


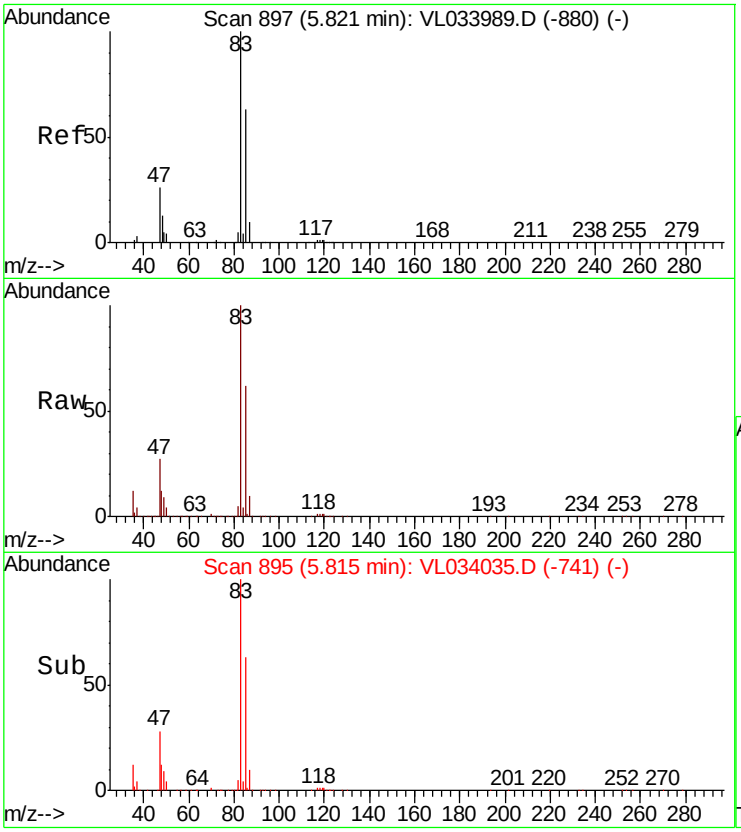


#28
Methyl tert-Butyl Ether
Concen: 10.390 ppbv
RT: 5.08 min Scan# 666
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 73 Resp: 2293209

Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.9	25.3



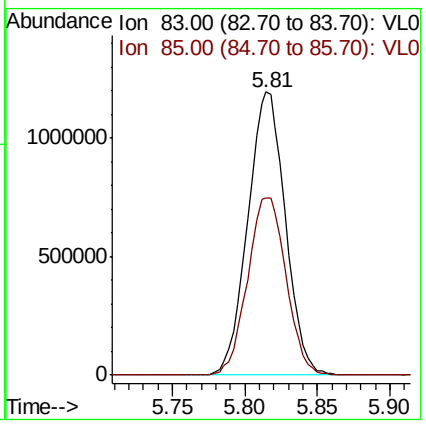


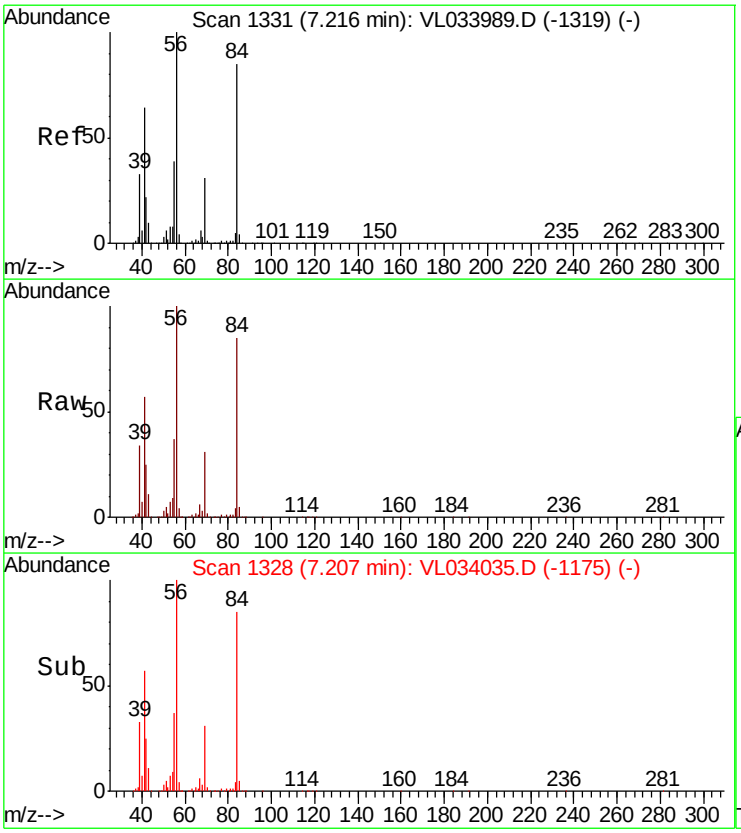
#29
Chloroform
Concen: 8.802 ppbv
RT: 5.81 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2156017

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	75.8

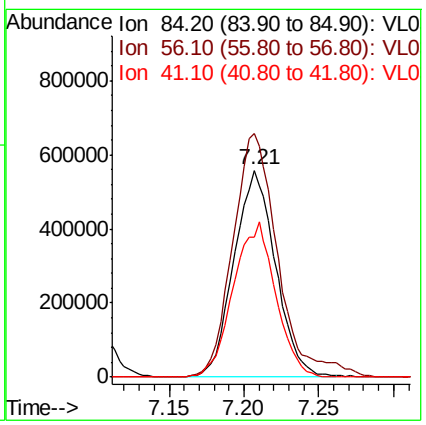


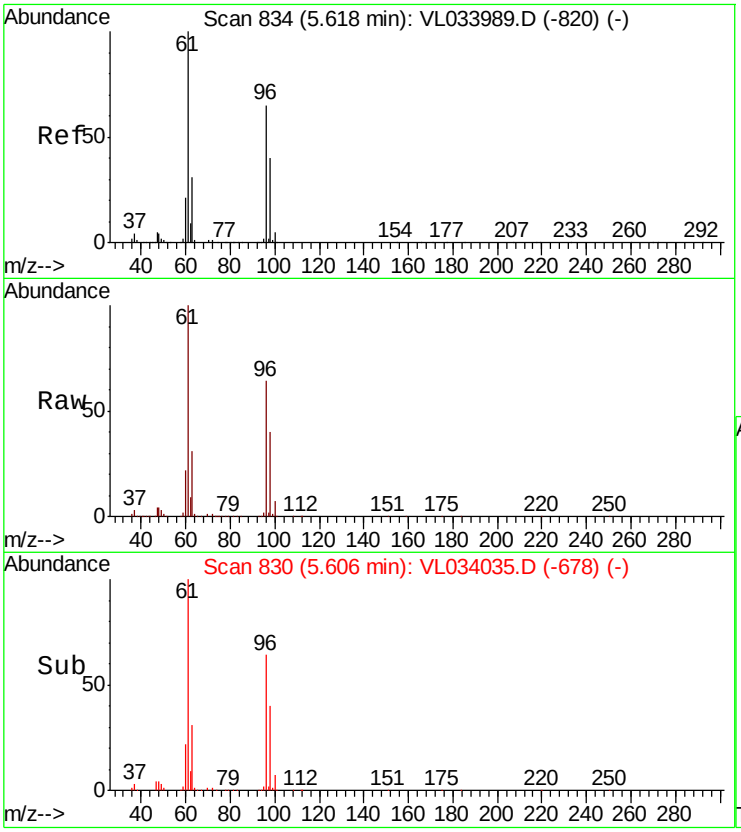


#30
Cyclohexane
Concen: 10.685 ppbv
RT: 7.21 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 84 Resp: 1075483

Ion	Ratio	Lower	Upper
84	100		
56	128.4	103.7	155.5
41	76.8	62.6	94.0



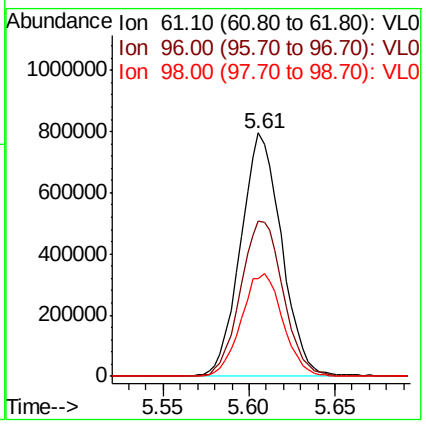


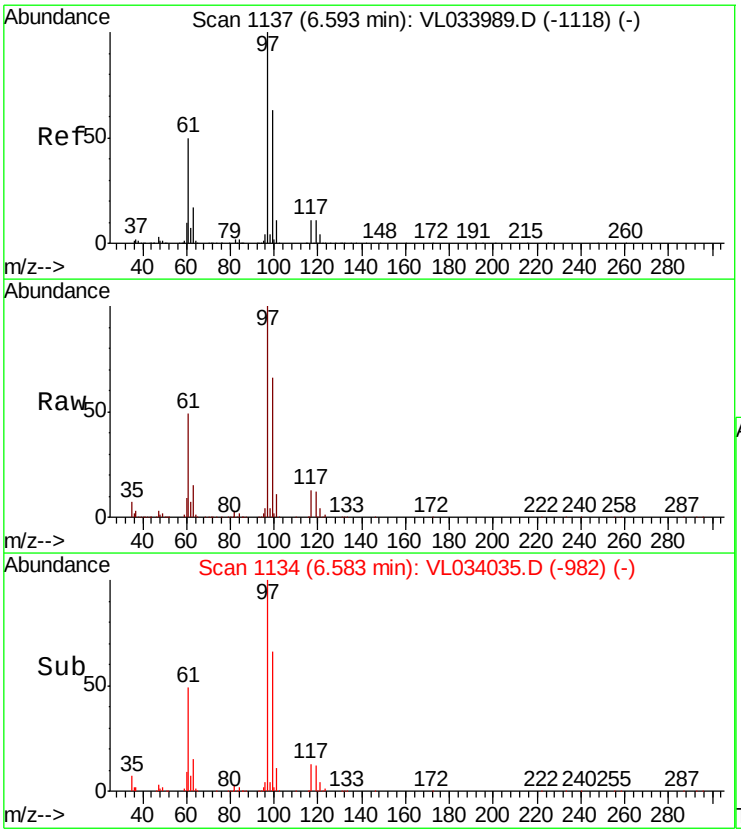
#31
cis-1,2-Dichloroethene
Concen: 10.381 ppbv
RT: 5.61 min Scan# 830
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1307165

Ion	Ratio	Lower	Upper
61	100		
96	64.0	51.8	77.6
98	39.9	32.1	48.1

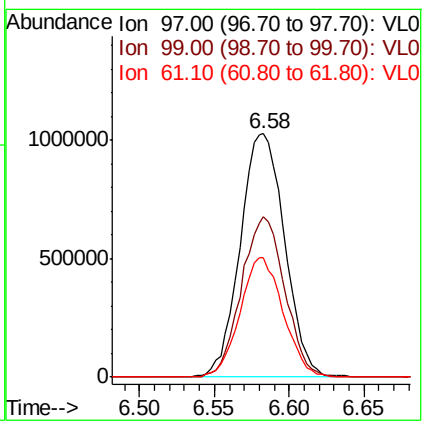


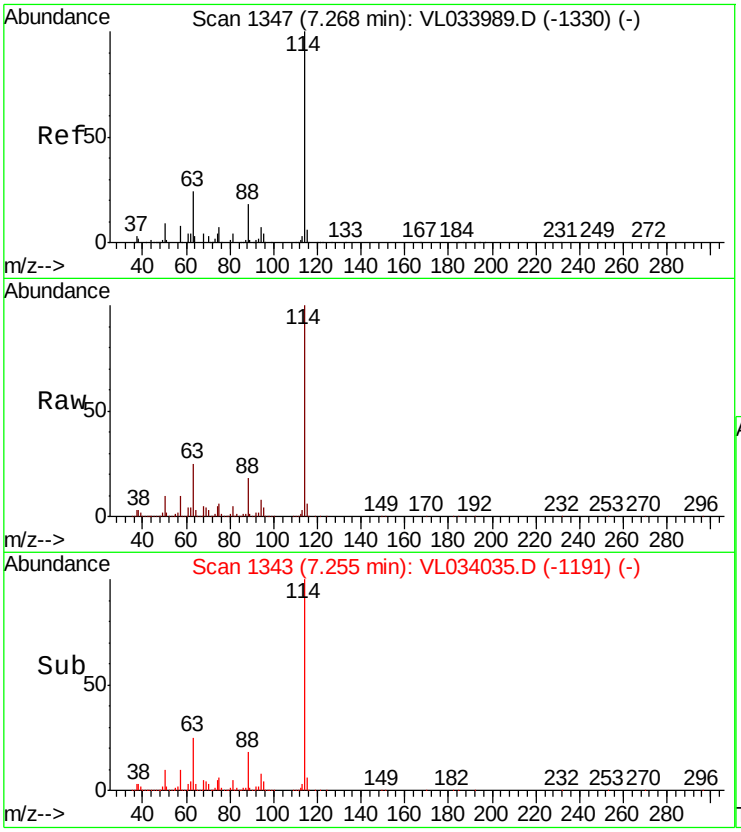


#32
1,1,1-Trichloroethane
Concen: 8.542 ppbv
RT: 6.58 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 97 Resp: 2120592

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	47.9	39.8	59.8



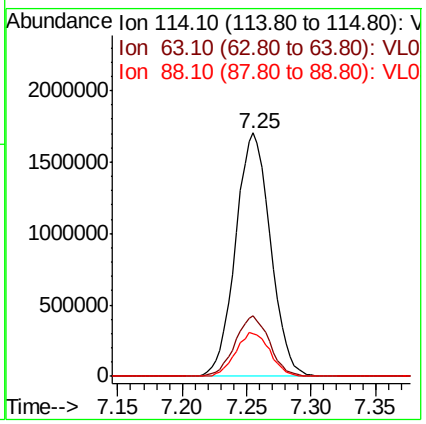


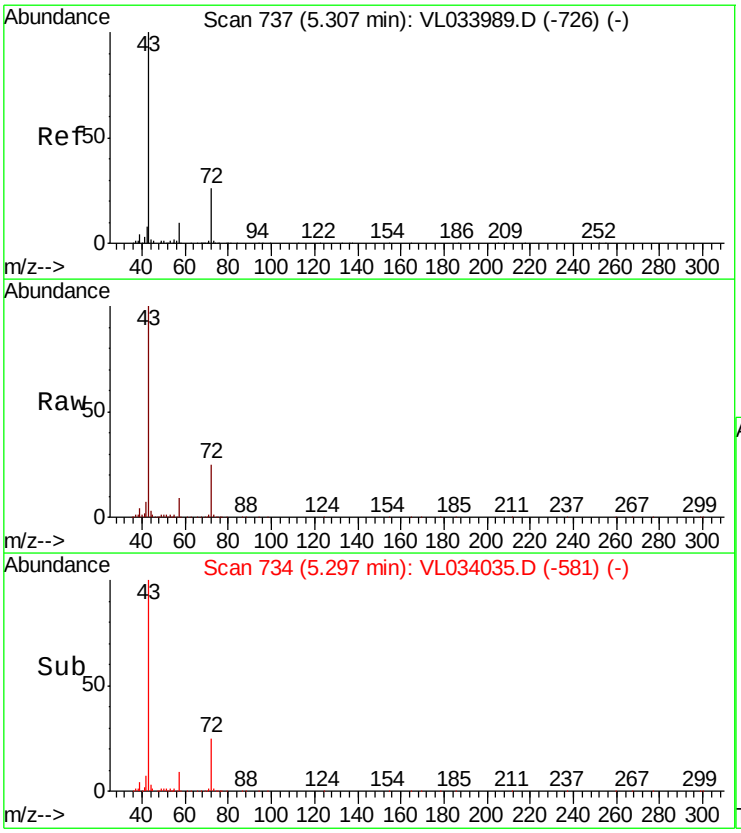
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3203495

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.2
88	17.9	14.1	21.1

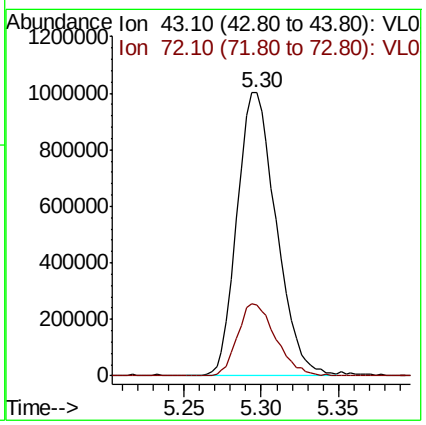


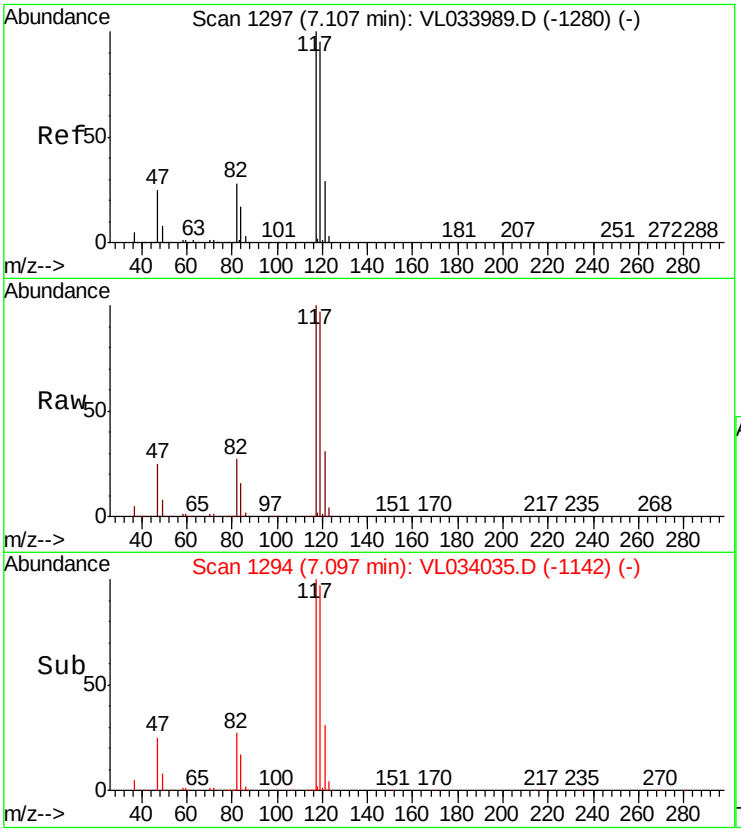


#34
2-Butanone
Concen: 10.365 ppbv
RT: 5.30 min Scan# 734
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 43 Resp: 1757232

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.9	29.9



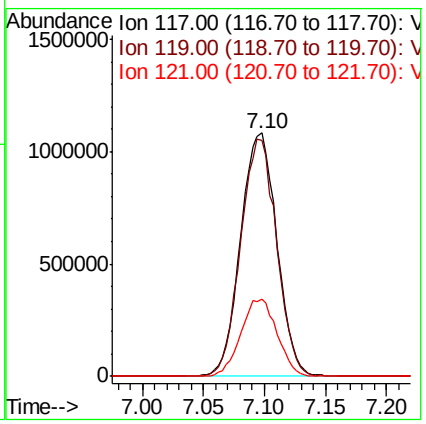


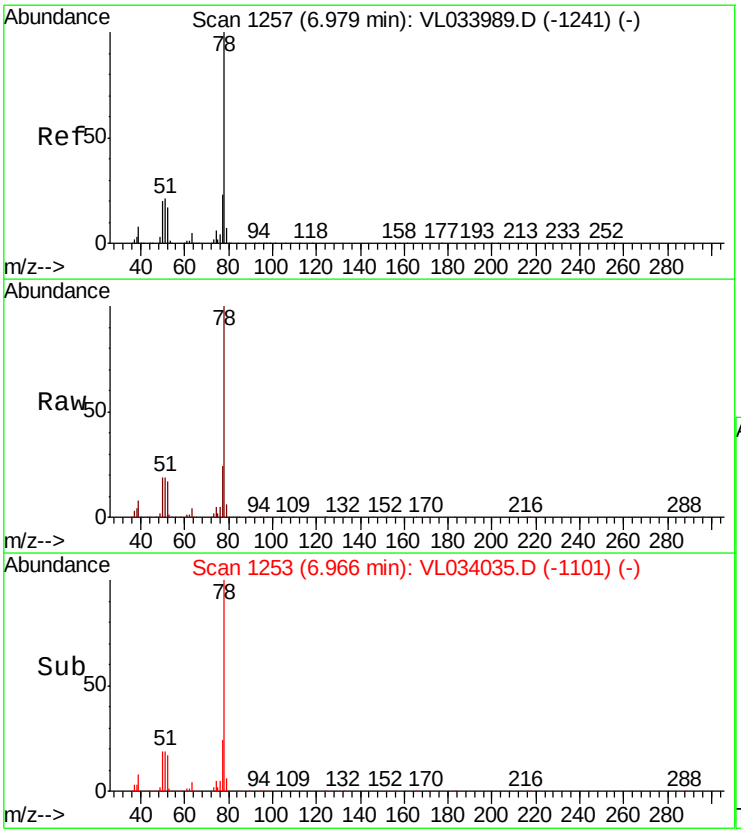
#35
Carbon Tetrachloride
Concen: 8.745 ppbv
RT: 7.10 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2217844

Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.6
121	31.5	23.4	35.2

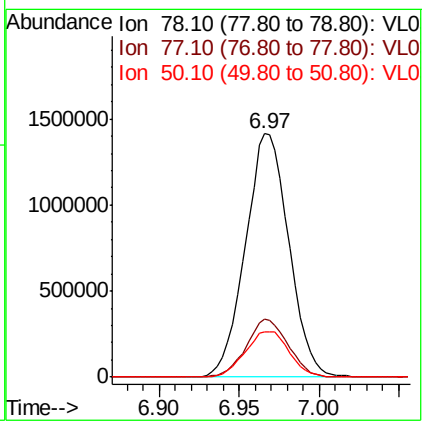


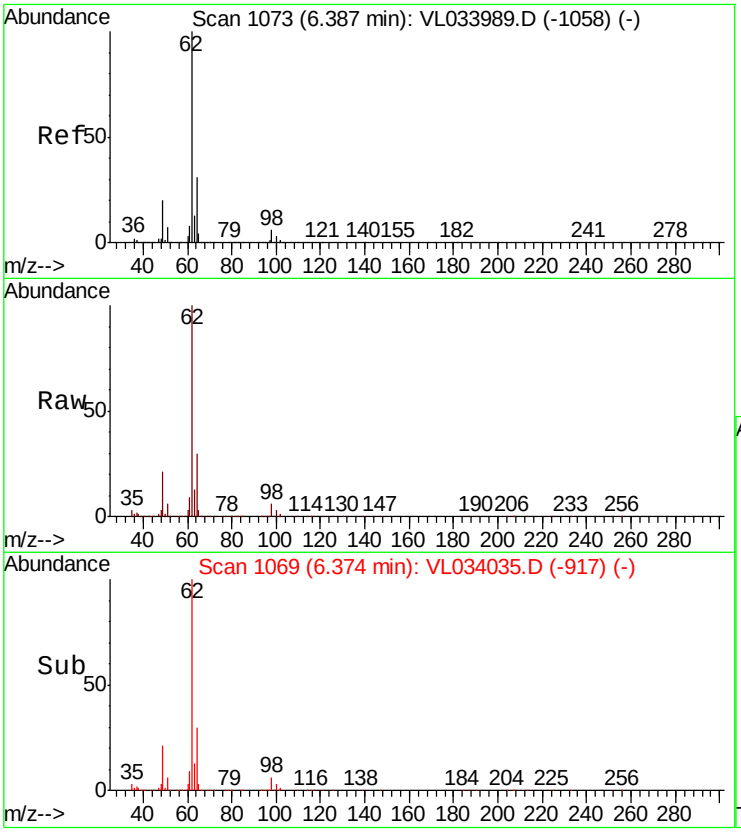


#36
Benzene
Concen: 10.526 ppbv
RT: 6.97 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 78 Resp: 2638567

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1
50	18.7	16.2	24.2



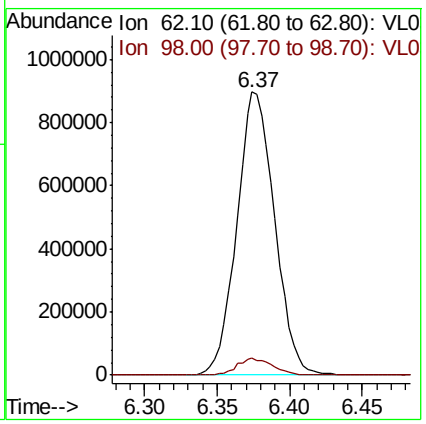


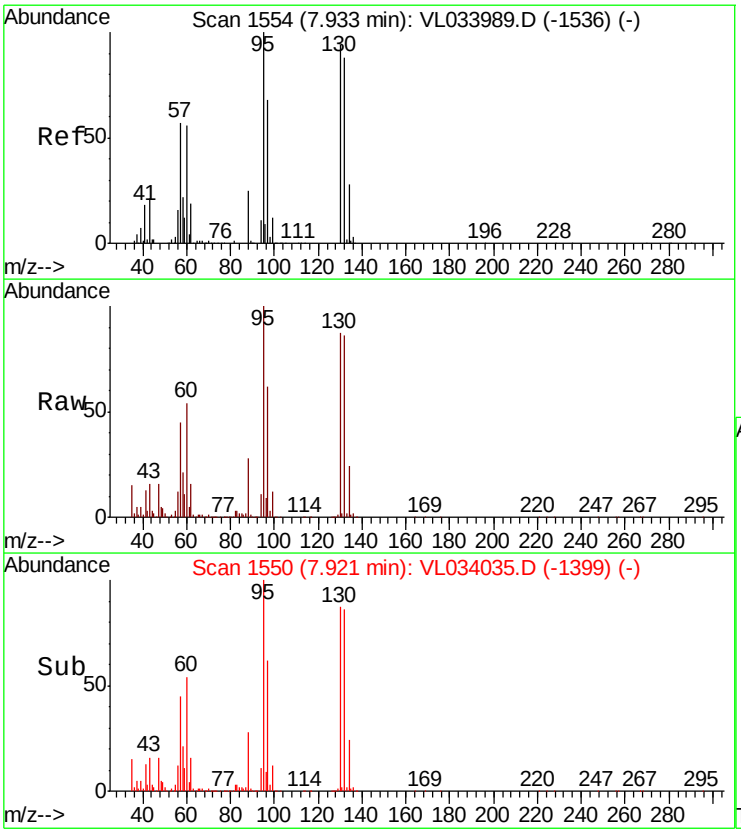
#37
1,2-Dichloroethane
Concen: 8.786 ppbv
RT: 6.37 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1622466

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.4	6.6

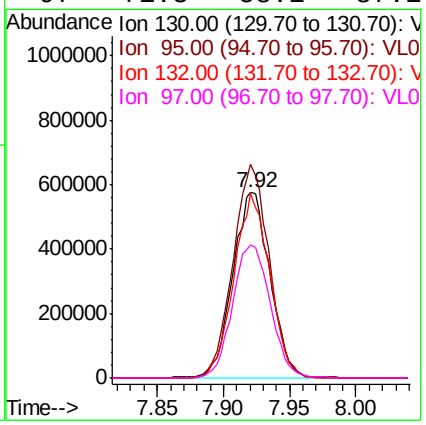


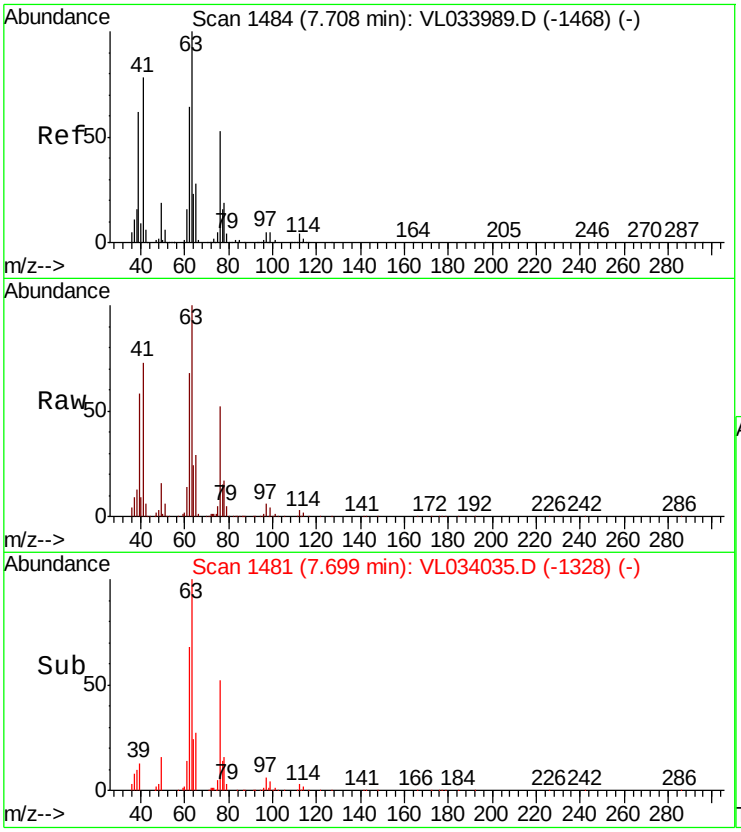


#38
Trichloroethene
Concen: 10.037 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:130 Resp: 1119487

Ion	Ratio	Lower	Upper
130	100		
95	115.0	85.5	128.3
132	99.4	75.1	112.7
97	71.3	58.1	87.1



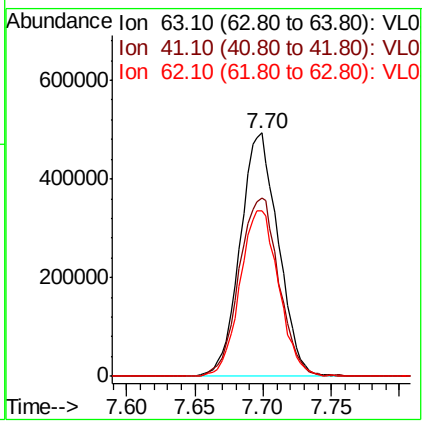


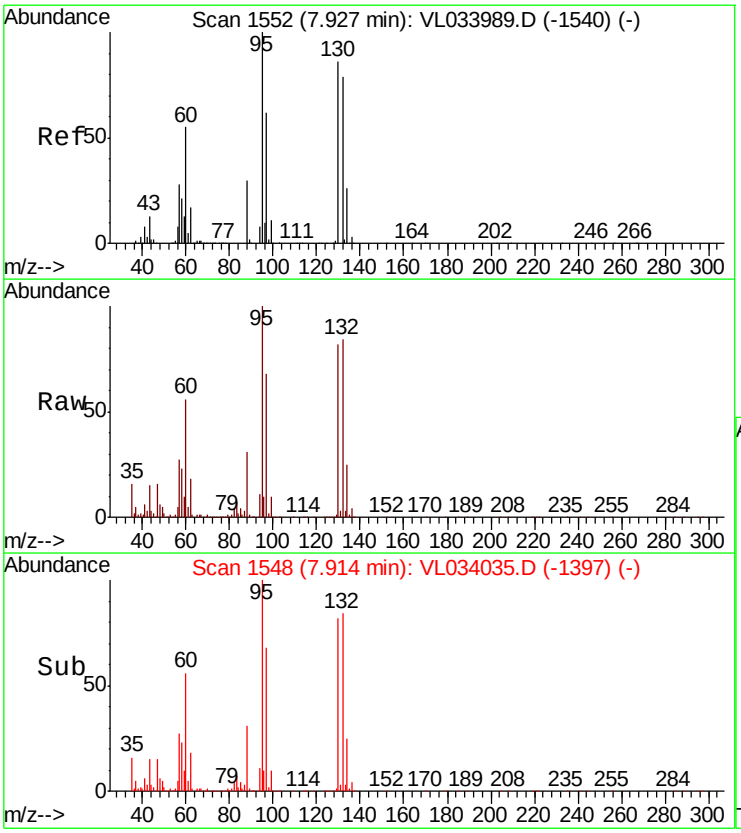
#39
1,2-Dichloropropane
Concen: 10.252 ppbv
RT: 7.70 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 955551

Ion	Ratio	Lower	Upper
63	100		
41	73.1	62.3	93.5
62	68.1	51.4	77.2

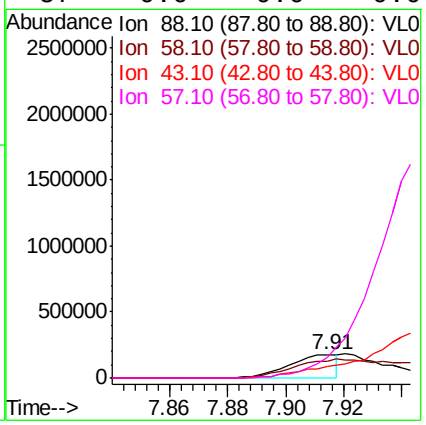


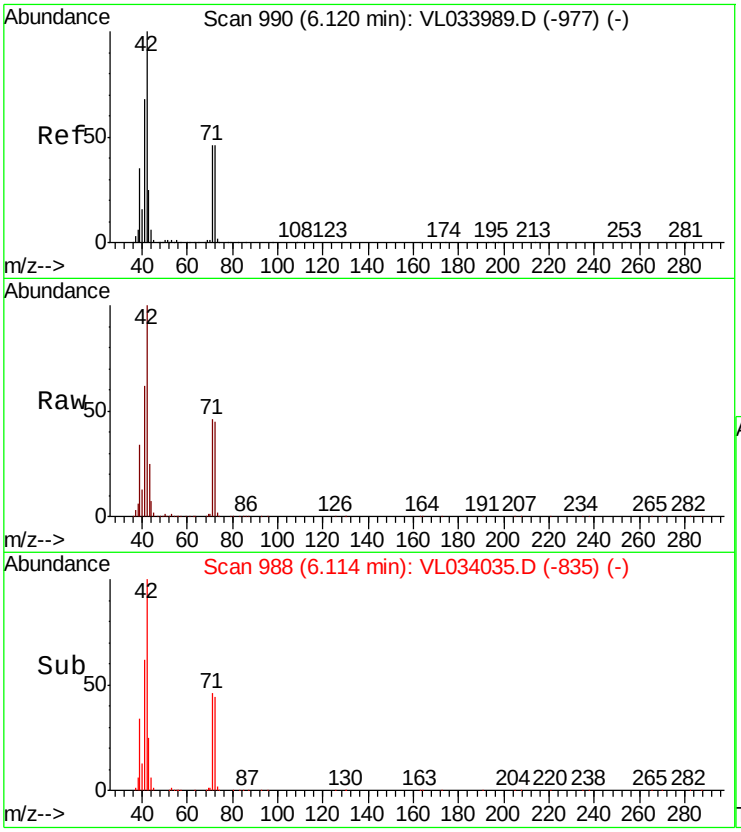


#40
1,4-Dioxane
Concen: 4.869 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 88 Resp: 209527

Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.1	148.7#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



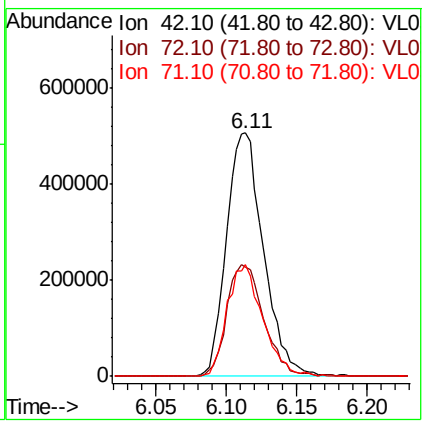


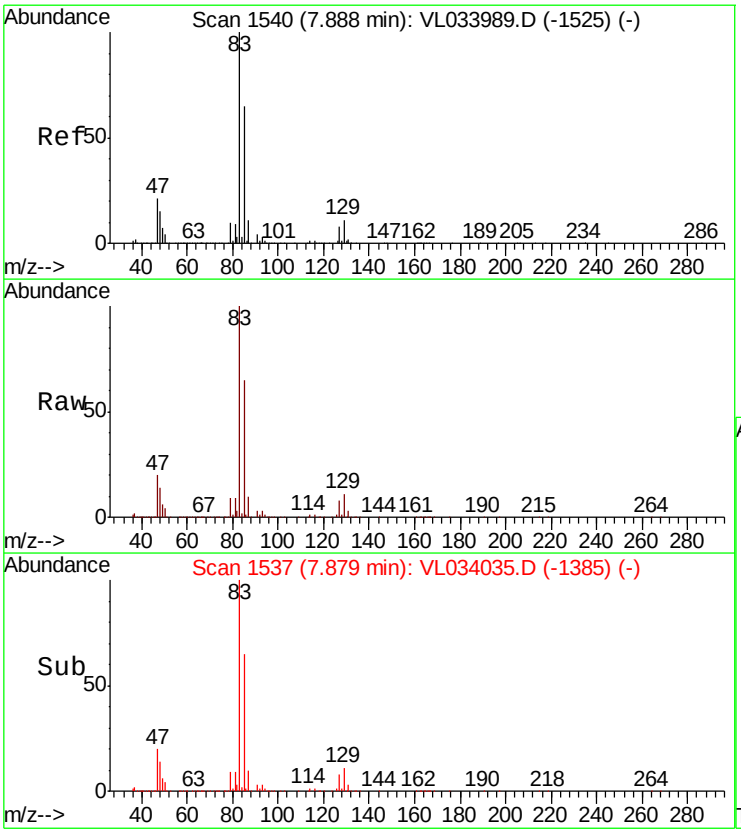
#41
Tetrahydrofuran
Concen: 11.200 ppbv
RT: 6.11 min Scan# 988
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 931210

Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.3	55.9
71	44.5	36.2	54.2

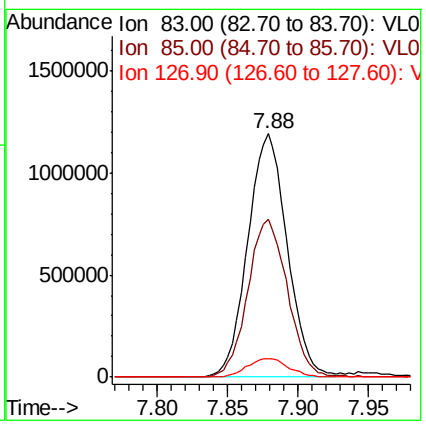


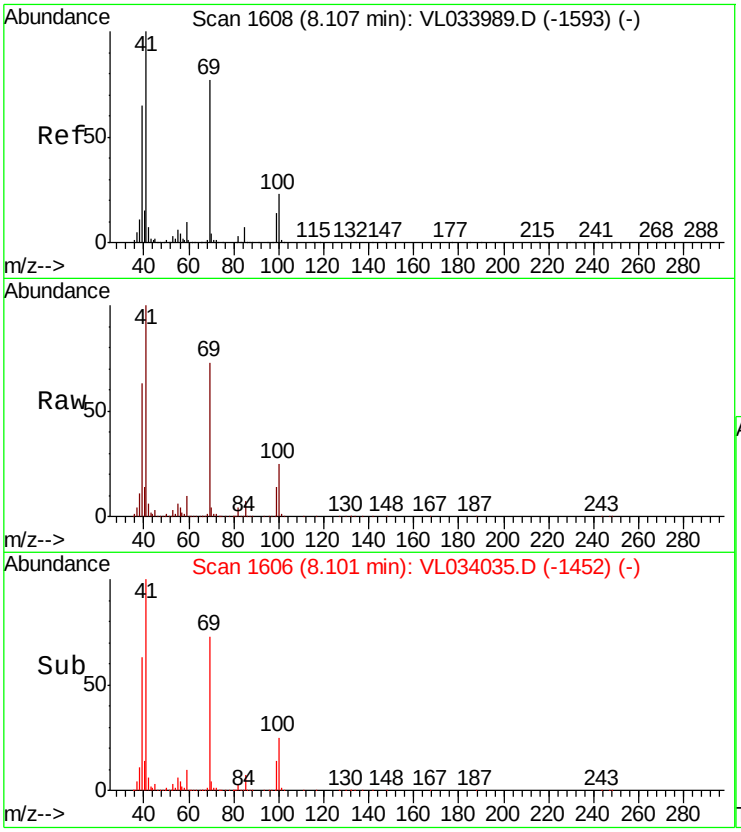


#42
Bromodichloromethane
Concen: 9.418 ppbv
RT: 7.88 min Scan# 1537
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 83 Resp: 2333501

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	7.8	6.5	9.7



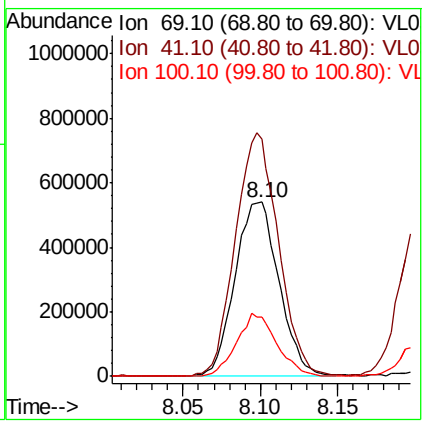


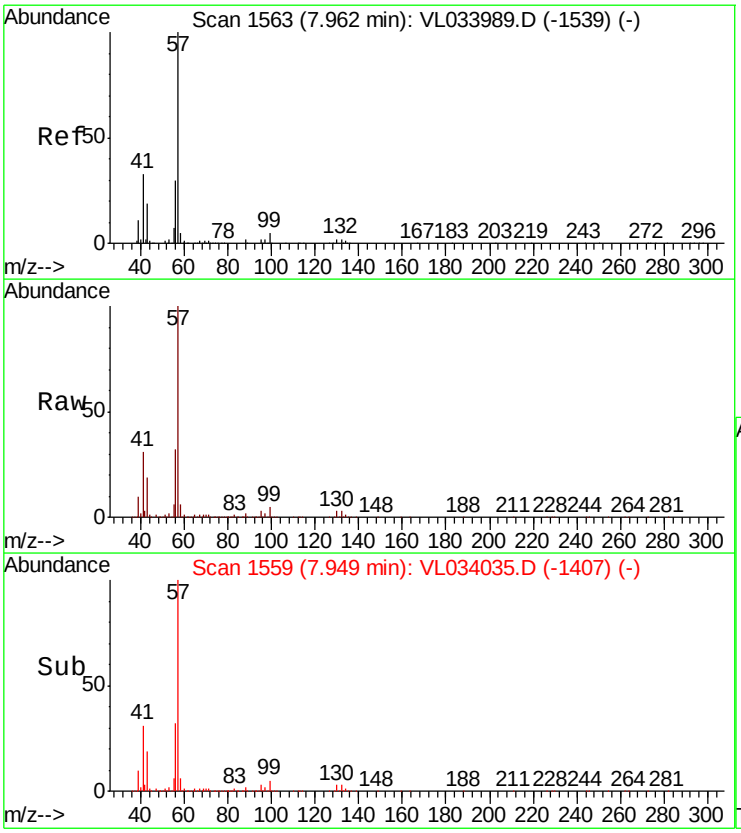
#43
Methyl Methacrylate
Concen: 11.207 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1065895

Ion	Ratio	Lower	Upper
69	100		
41	136.7	109.1	163.7
100	33.1	25.3	37.9

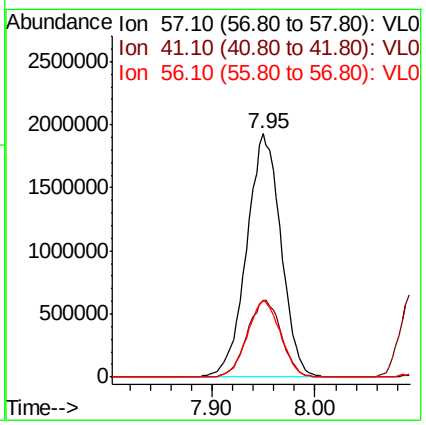


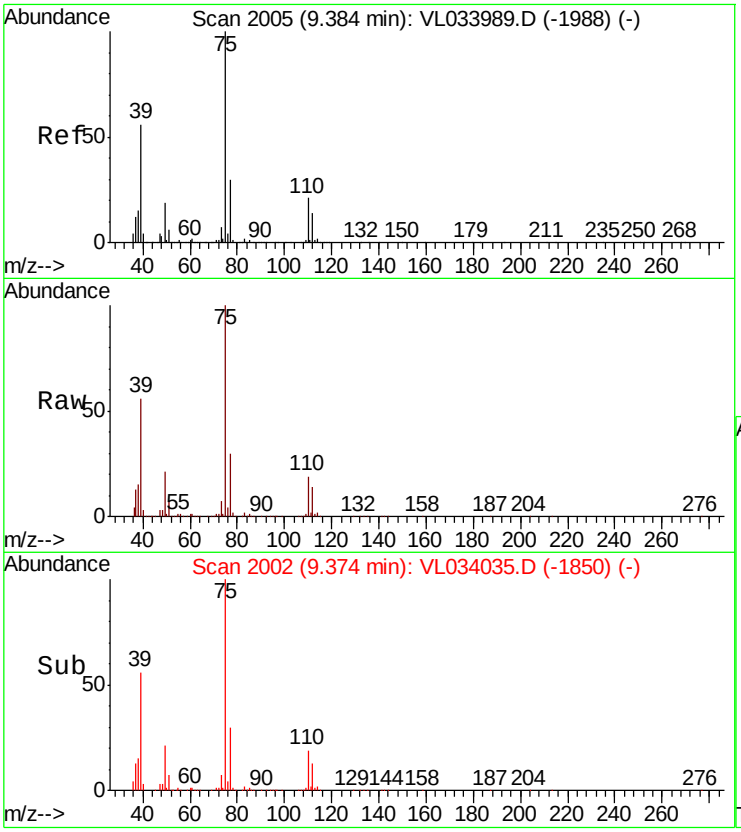


#44
2,2,4-Trimethylpentane
Concen: 10.239 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 57 Resp: 4430253

Ion	Ratio	Lower	Upper
57	100		
41	31.5	26.1	39.1
56	30.5	24.4	36.6



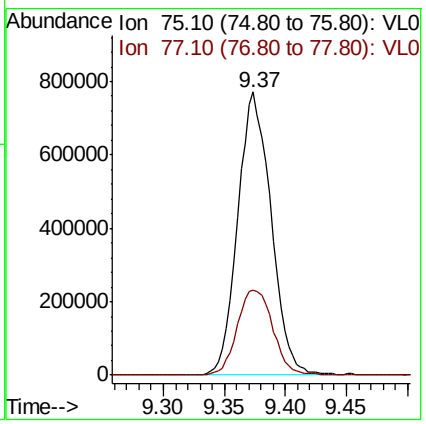


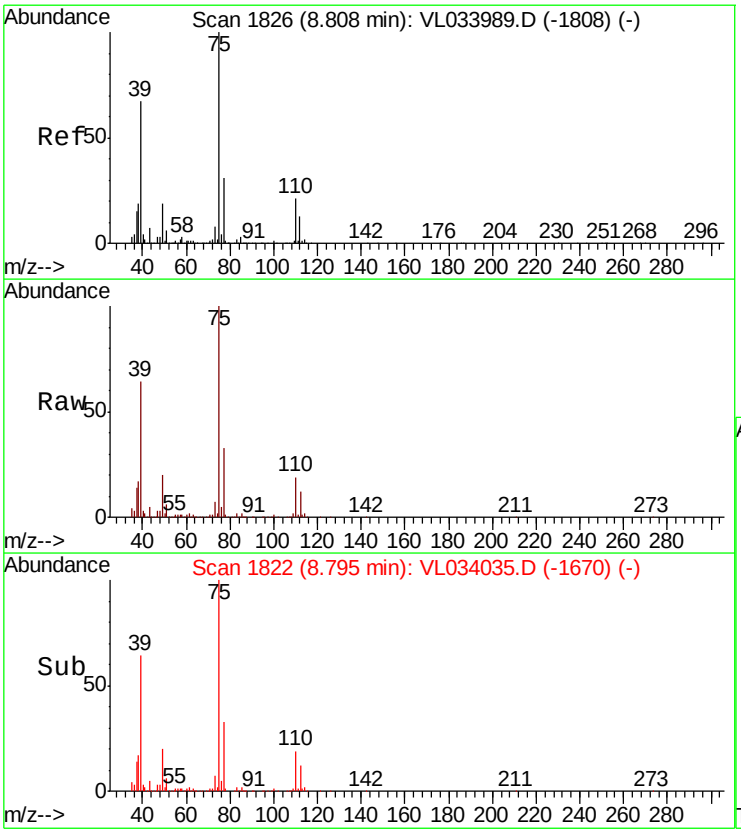
#45
t-1,3-Dichloropropene
Concen: 11.686 ppbv
RT: 9.37 min Scan# 2002
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1453359

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.3	36.5

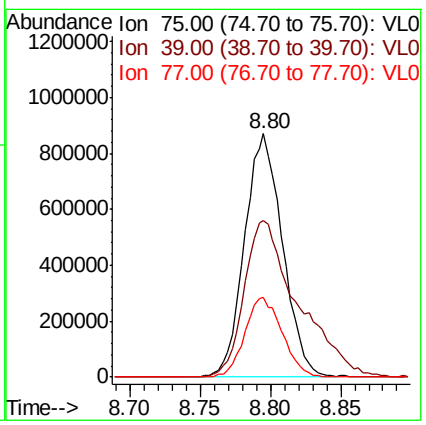


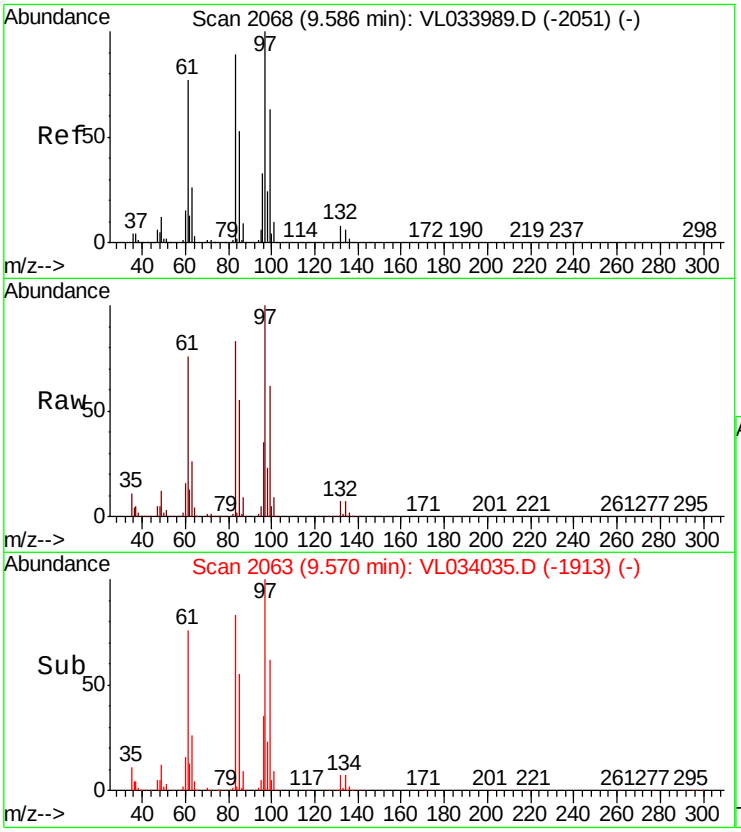


#46
cis-1,3-Dichloropropene
Concen: 11.371 ppbv
RT: 8.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 75 Resp: 1637758

Ion	Ratio	Lower	Upper
75	100		
39	64.2	53.8	80.6
77	33.0	24.5	36.7



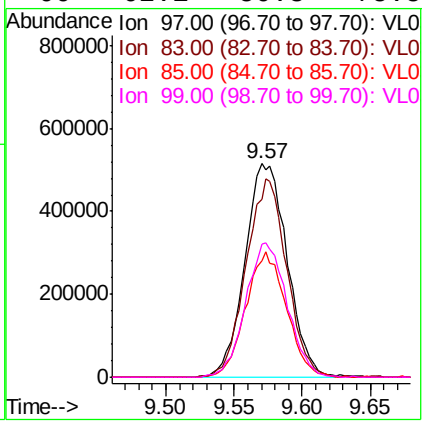


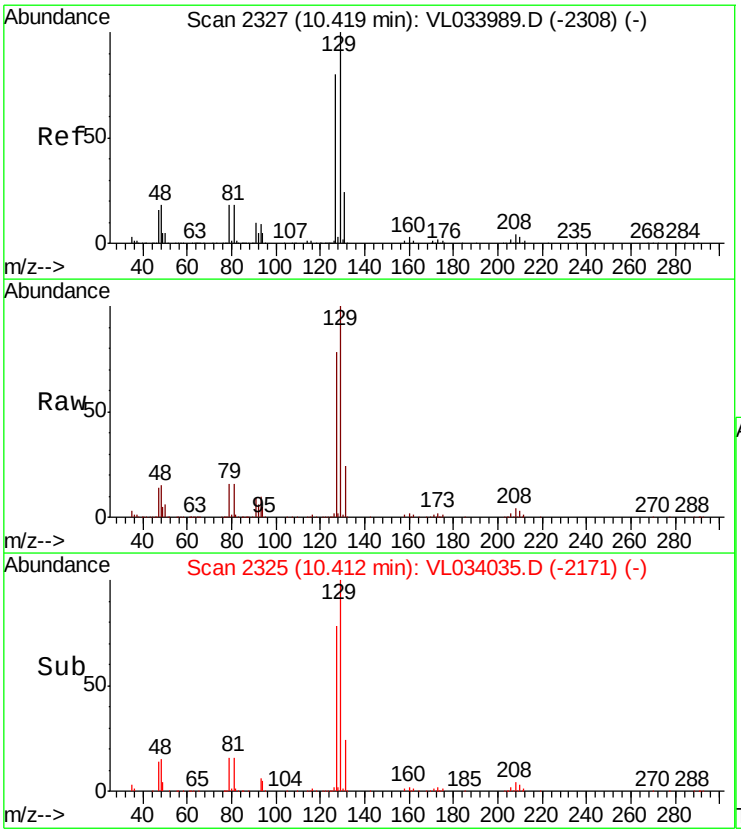
#47
1,1,2-Trichloroethane
Concen: 9.443 ppbv
RT: 9.57 min Scan# 2063
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1106670

Ion	Ratio	Lower	Upper
97	100		
83	83.1	71.1	106.7
85	54.6	42.6	64.0
99	62.1	50.3	75.5

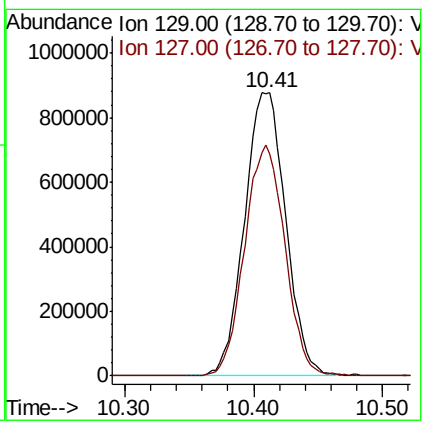


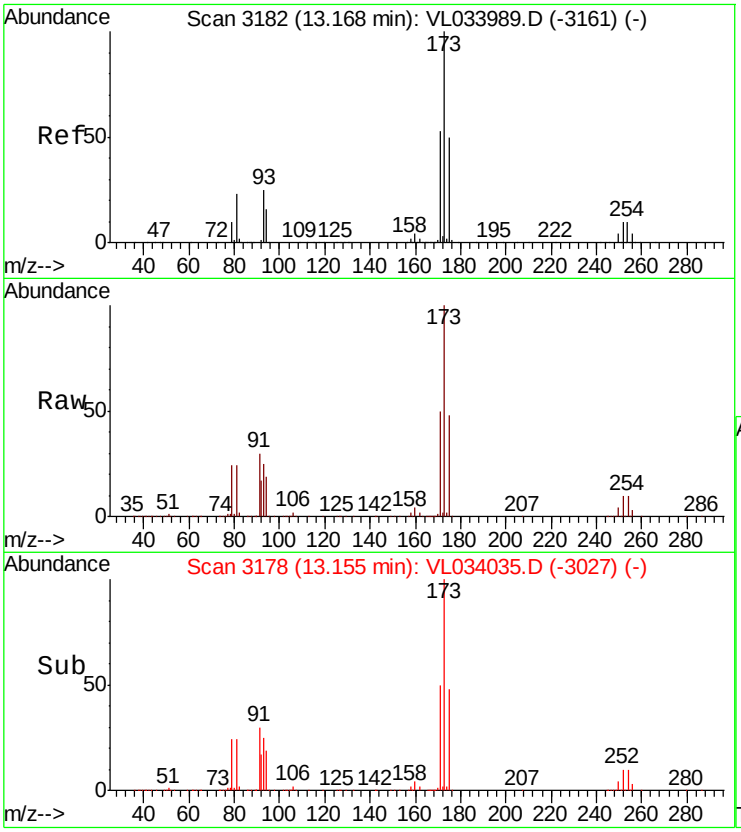


#48
Dibromochloromethane
Concen: 8.756 ppbv
RT: 10.41 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:129 Resp: 1957947

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.1	117.3



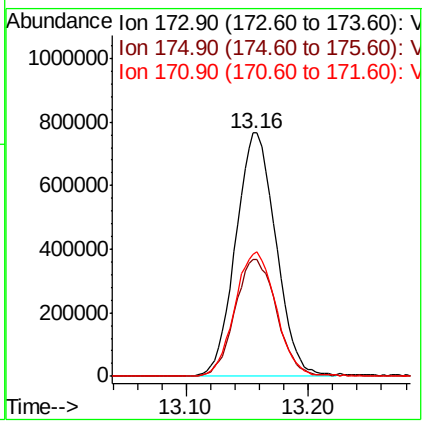


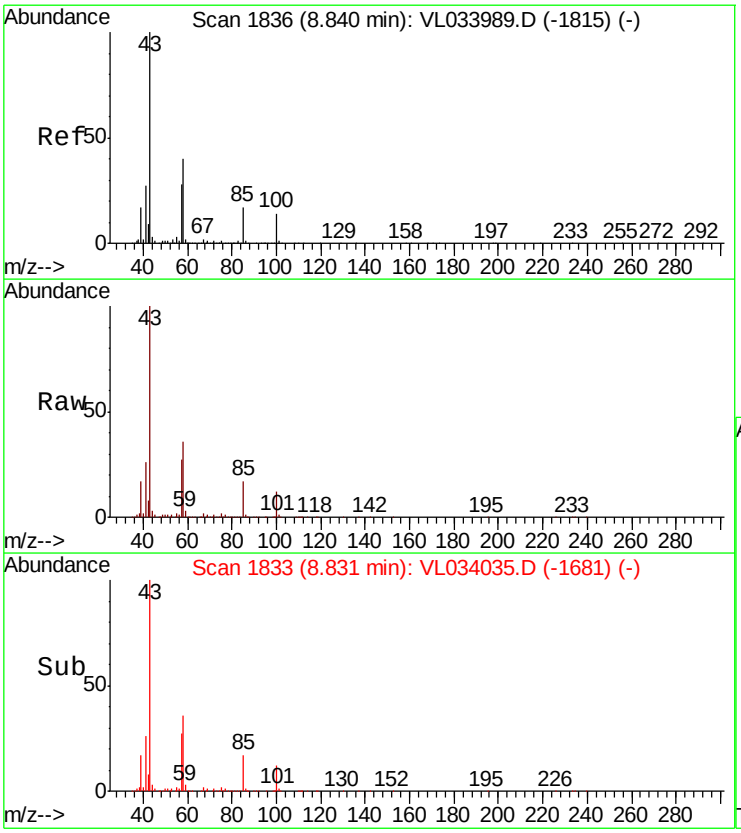
#49
Bromoform
Concen: 9.134 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1744995

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.3	58.9
171	52.5	41.4	62.0

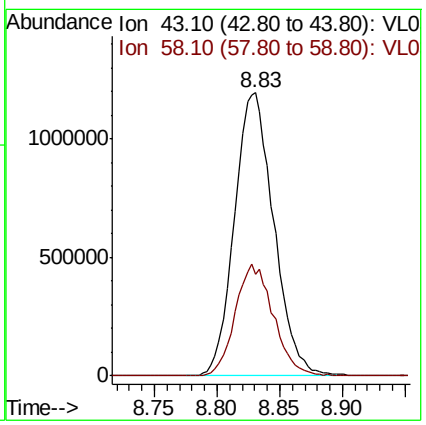


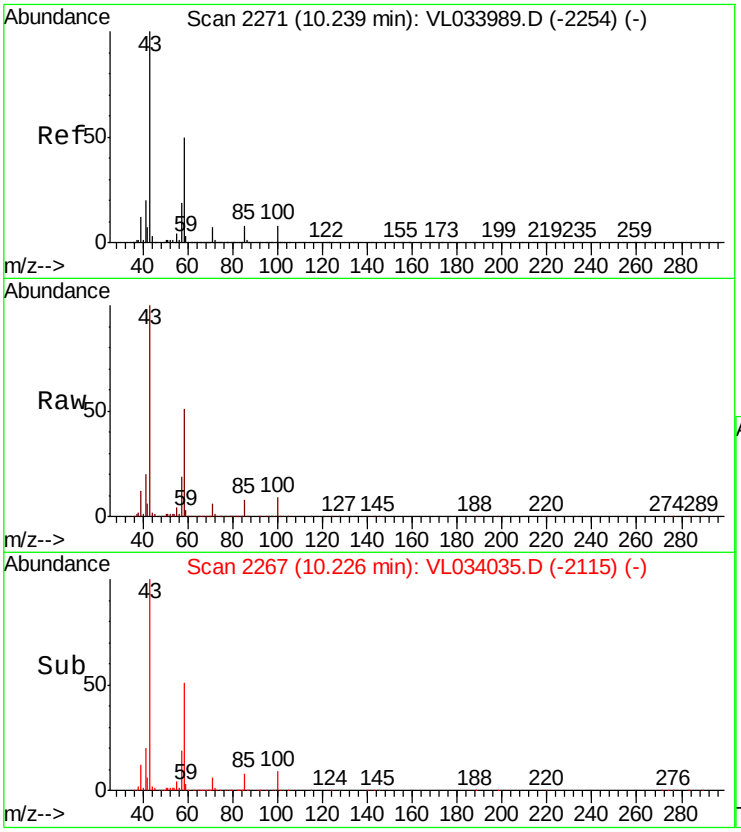


#50
4-Methyl-2-Pentanone
Concen: 10.329 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 43 Resp: 2598593

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.3	45.5



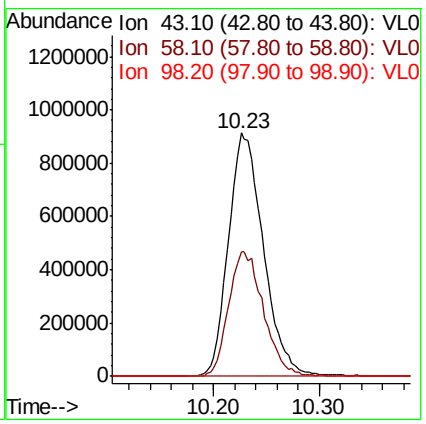


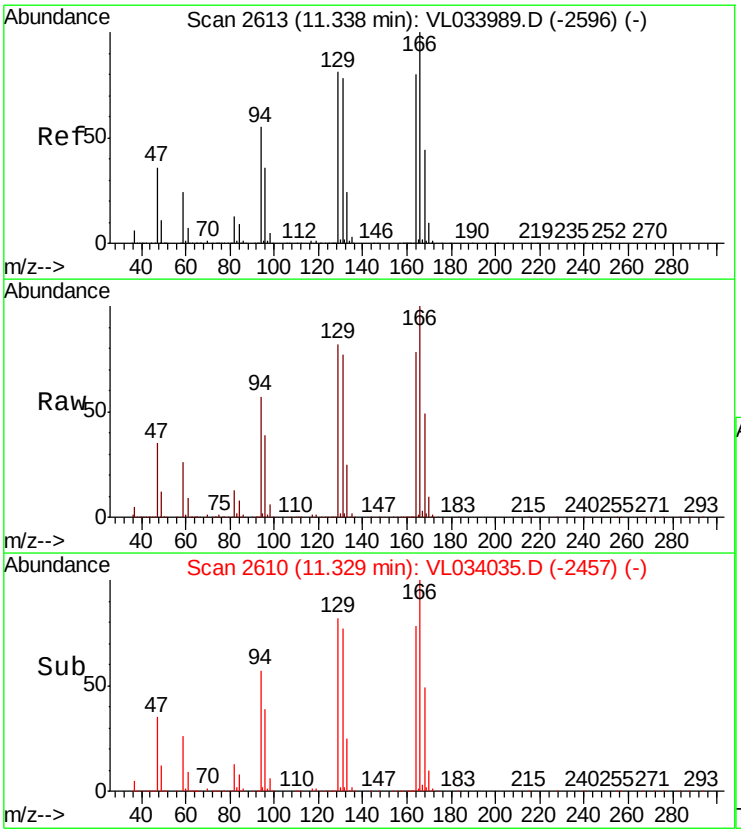
#51
2-Hexanone
Concen: 10.351 ppbv
RT: 10.23 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2100137

Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.0	61.4
98	0.1	0.2	0.2#

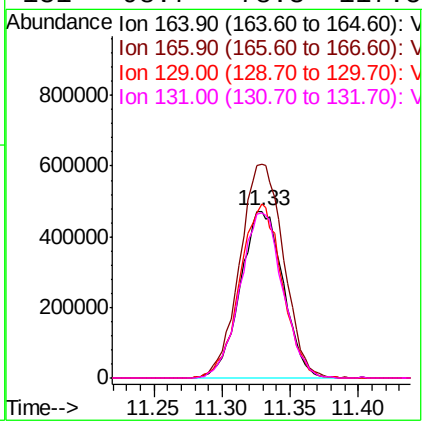


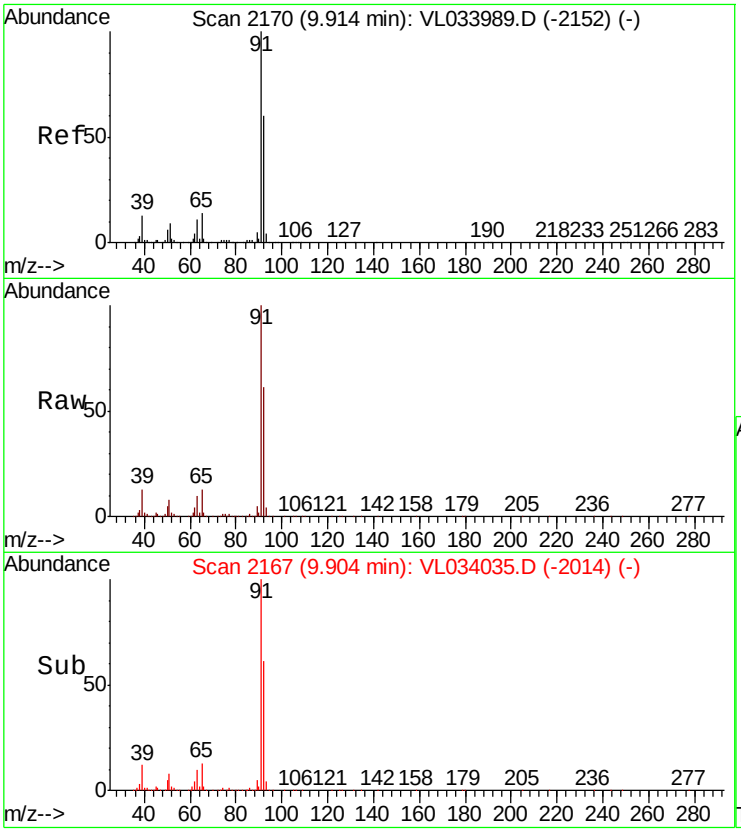


#52
Tetrachloroethene
Concen: 9.555 ppbv
RT: 11.33 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:164 Resp: 1030797

Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.2	150.2
129	104.4	81.0	121.6
131	98.7	78.3	117.5

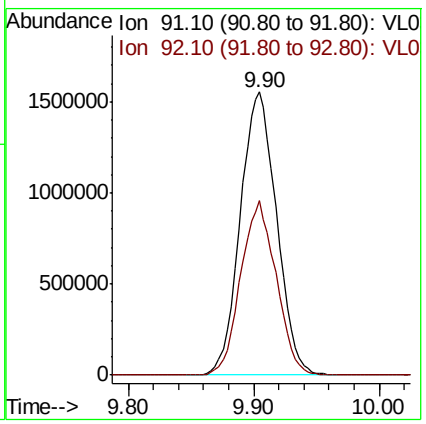




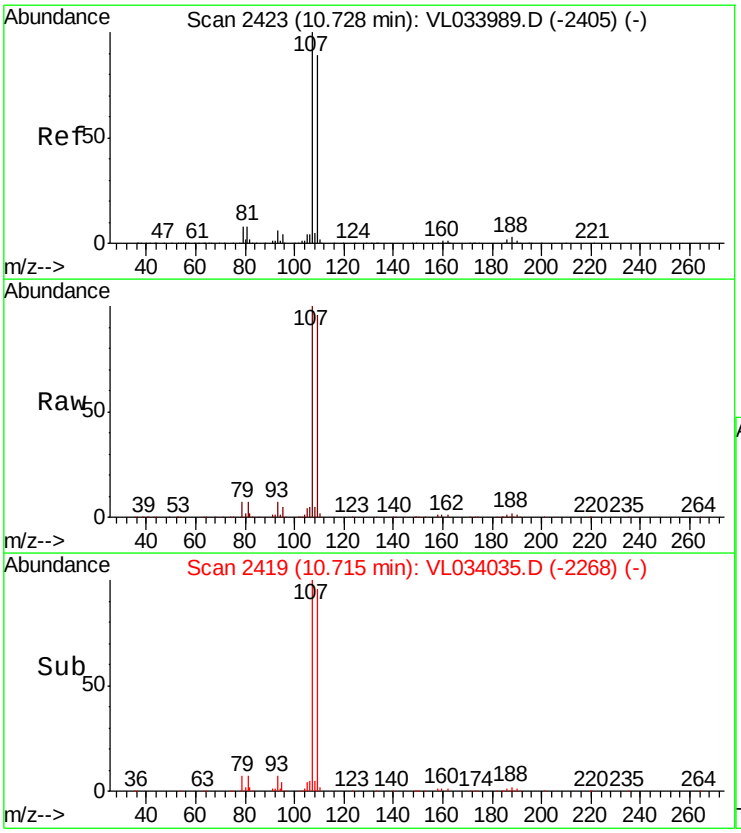
#53
Toluene
Concen: 10.886 ppbv
RT: 9.90 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 91 Resp: 3123514

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.7	71.5



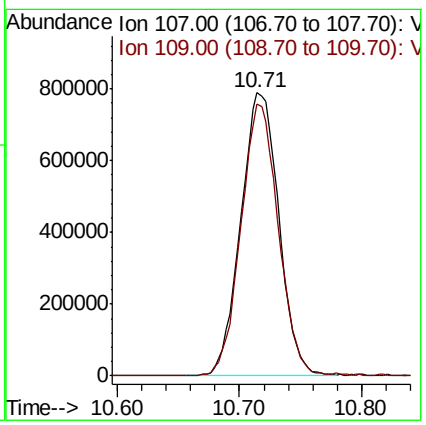
Instrument :
MSVOA_L
ClientSampleId :

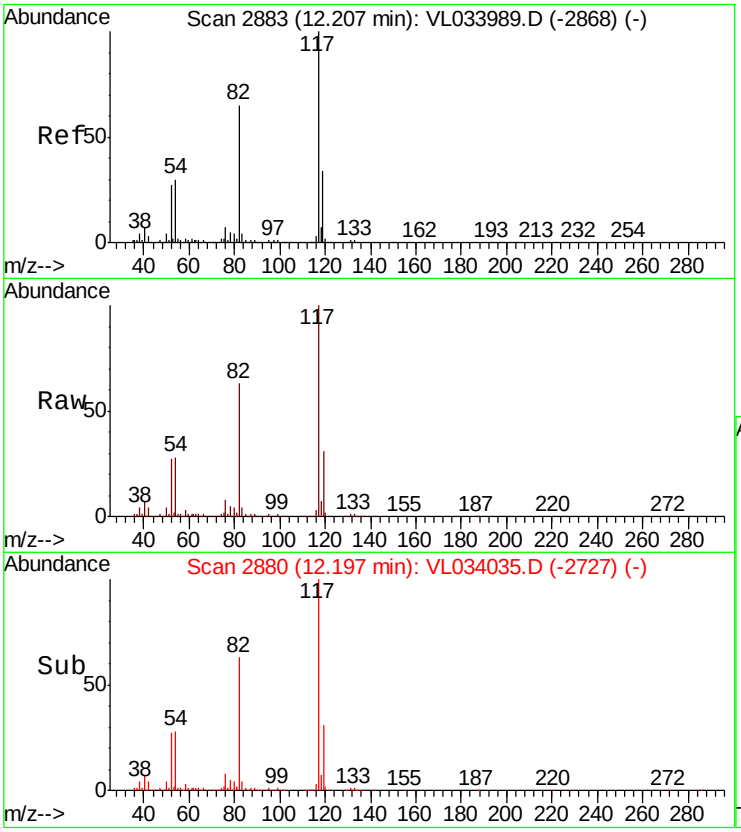


#54
1,2-Dibromoethane
Concen: 9.816 ppbv
RT: 10.71 min Scan# 2419
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:107 Resp: 1697693

Ion	Ratio	Lower	Upper
107	100		
109	96.0	71.5	107.3



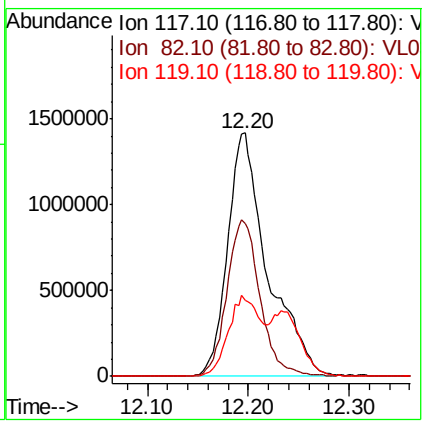


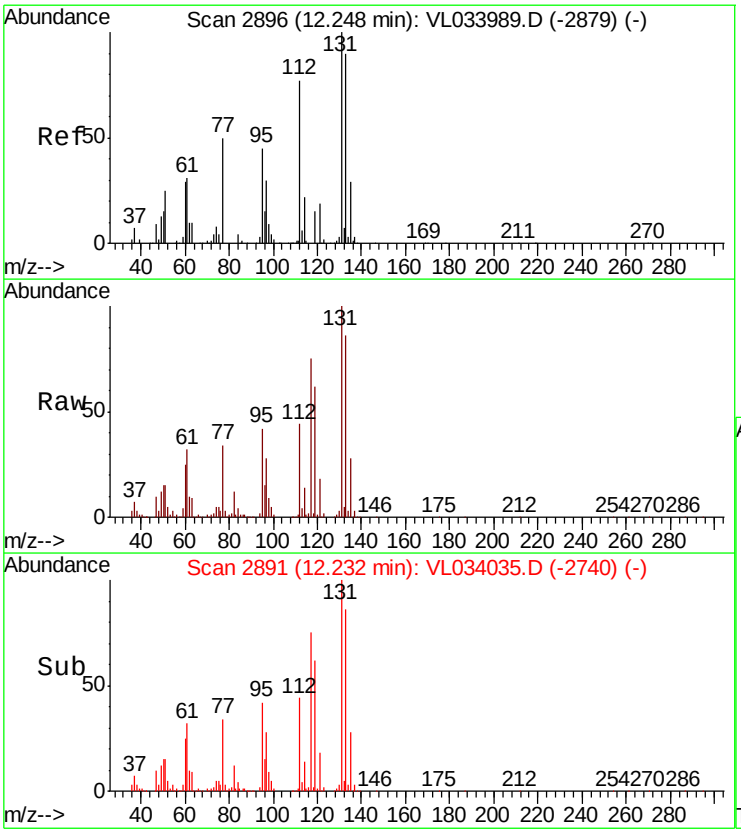
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2880
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3909942

Ion	Ratio	Lower	Upper
117	100		
82	53.6	50.8	76.2
119	25.6	24.0	36.0

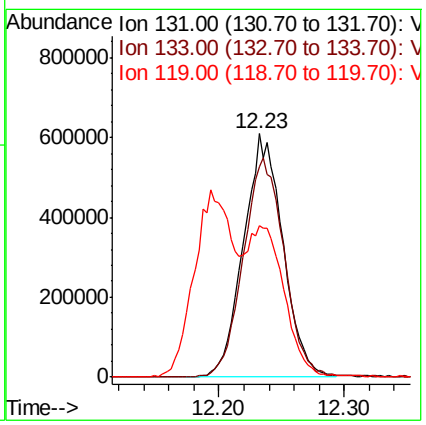


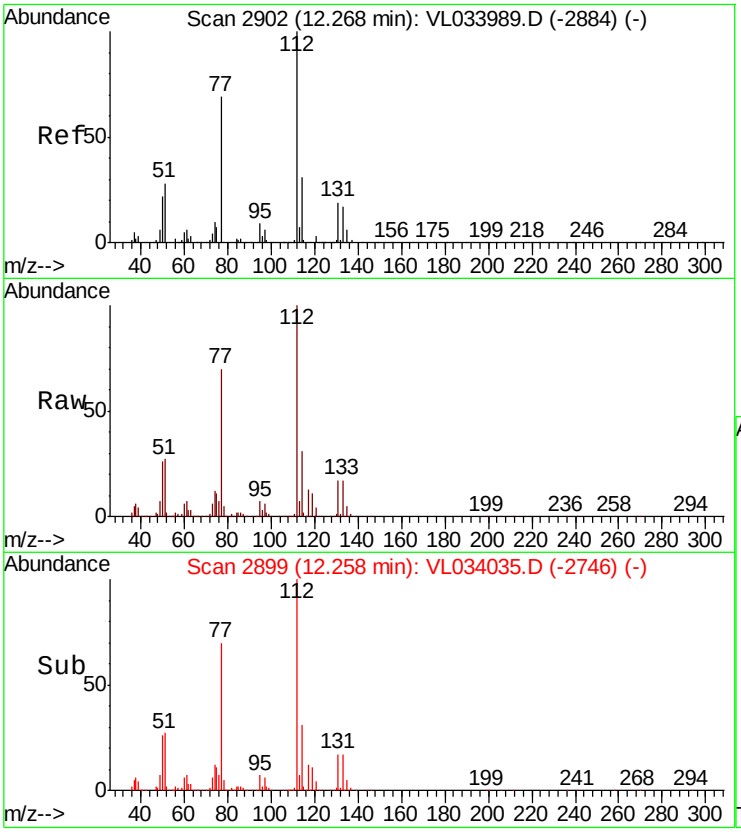


#56
1,1,1,2-Tetrachloroethane
Concen: 7.586 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:131 Resp: 1325715

Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.2	114.2
119	52.4	43.1	64.7



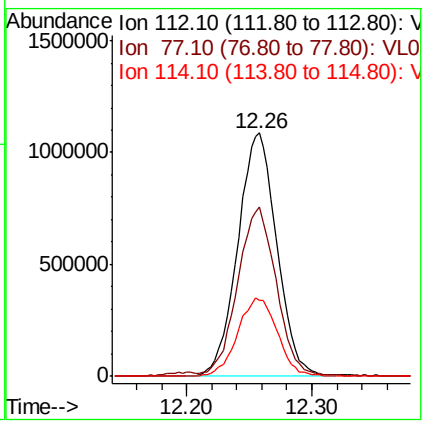


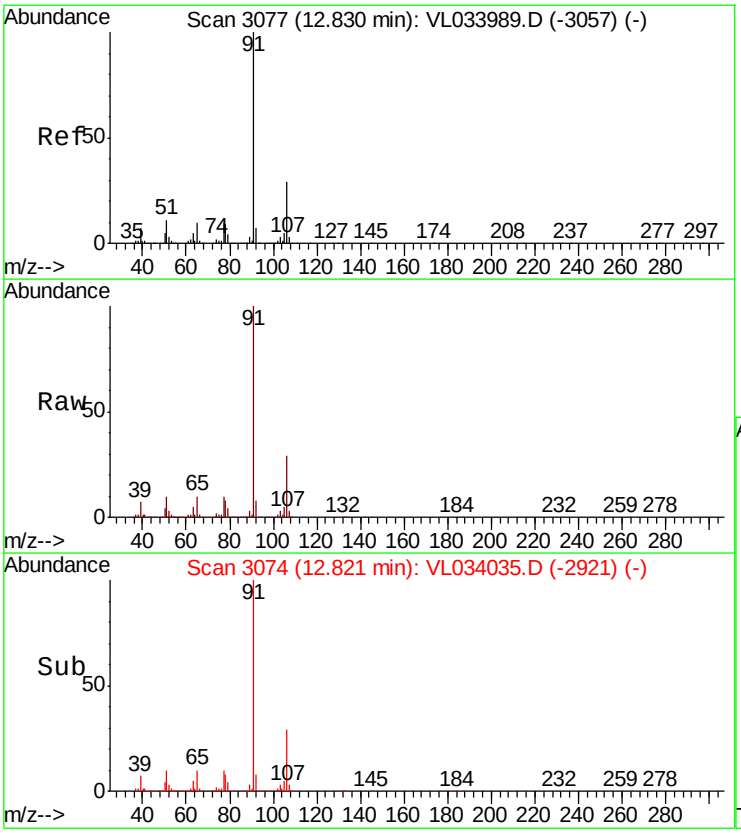
#57
Chlorobenzene
Concen: 7.533 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2344974

Ion	Ratio	Lower	Upper
112	100		
77	69.3	55.9	83.9
114	30.8	27.6	33.8

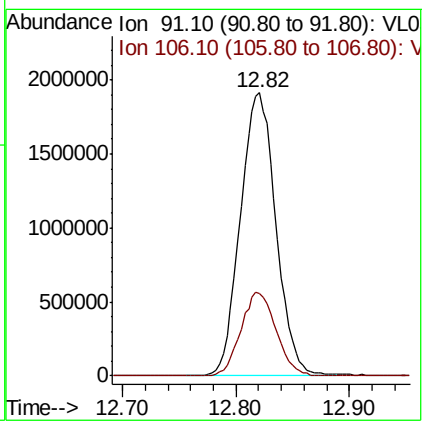


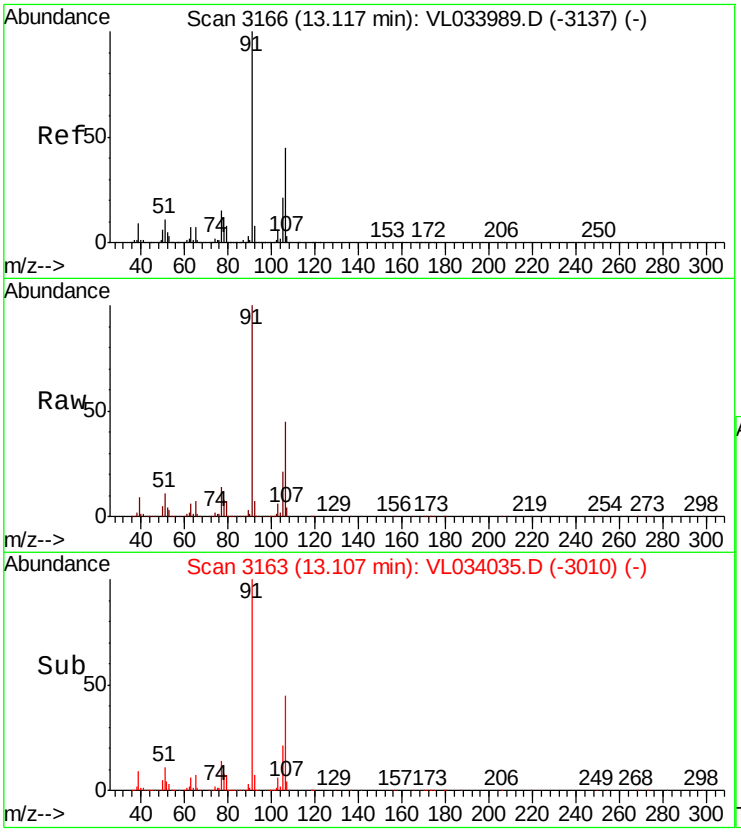


#58
Ethyl Benzene
Concen: 8.901 ppbv
RT: 12.82 min Scan# 3074
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 91 Resp: 4184955

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.3	34.9



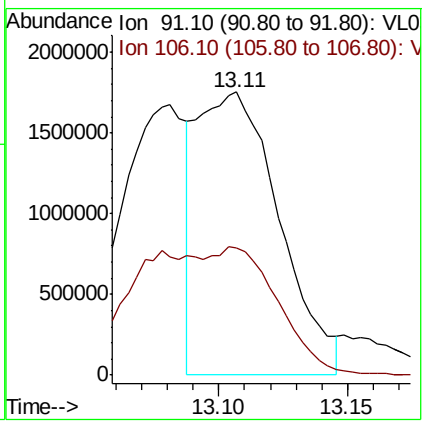


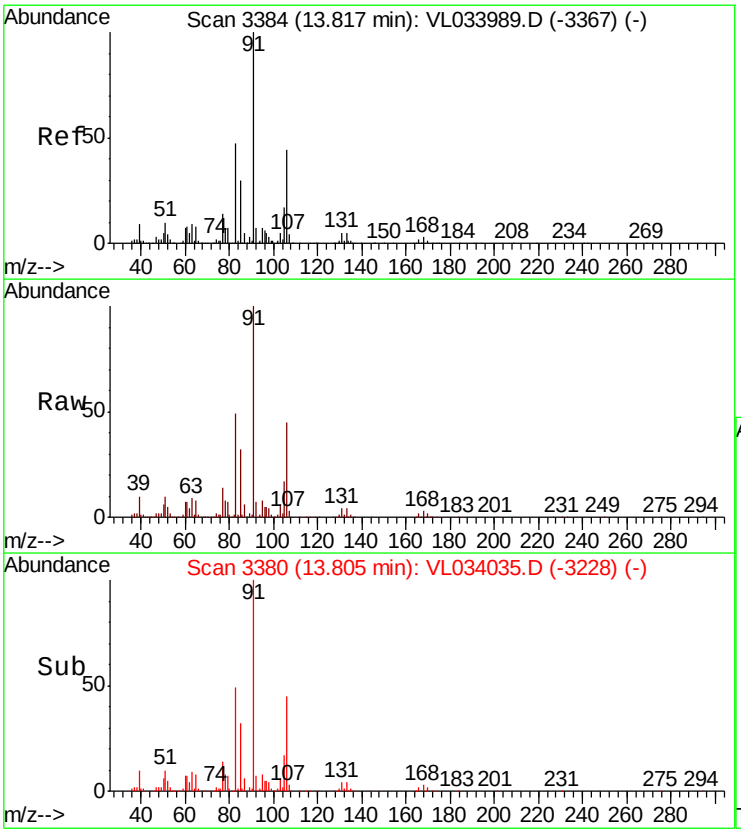
#59
m/p-Xylene
Concen: 9.010 ppbv
RT: 13.11 min Scan# 3163
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3835751

Ion	Ratio	Lower	Upper
91	100		
106	80.3	35.7	53.5#

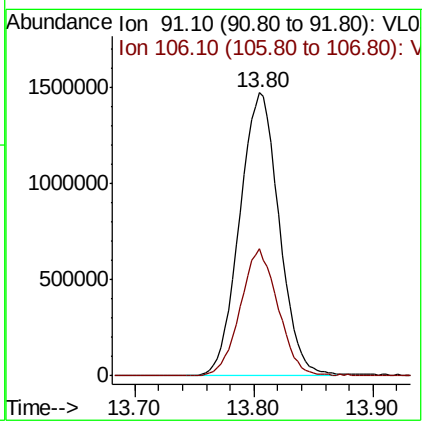


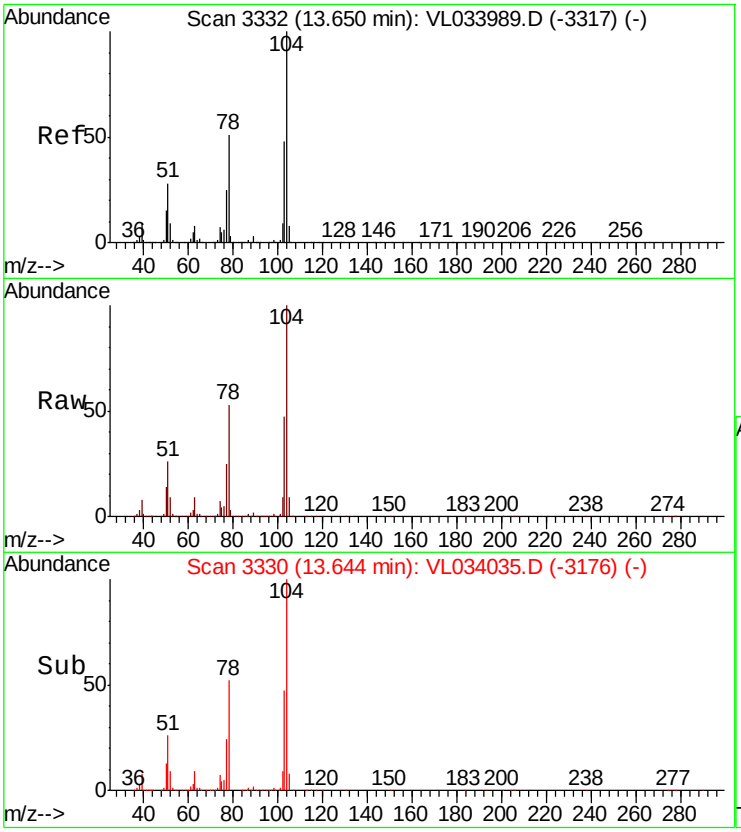


#60
o-Xylene
Concen: 7.952 ppbv
RT: 13.80 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 91 Resp: 3386827

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.9	65.7



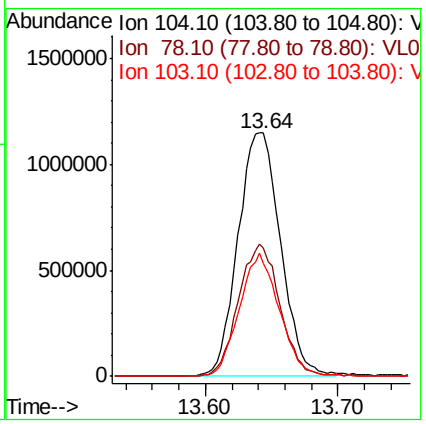


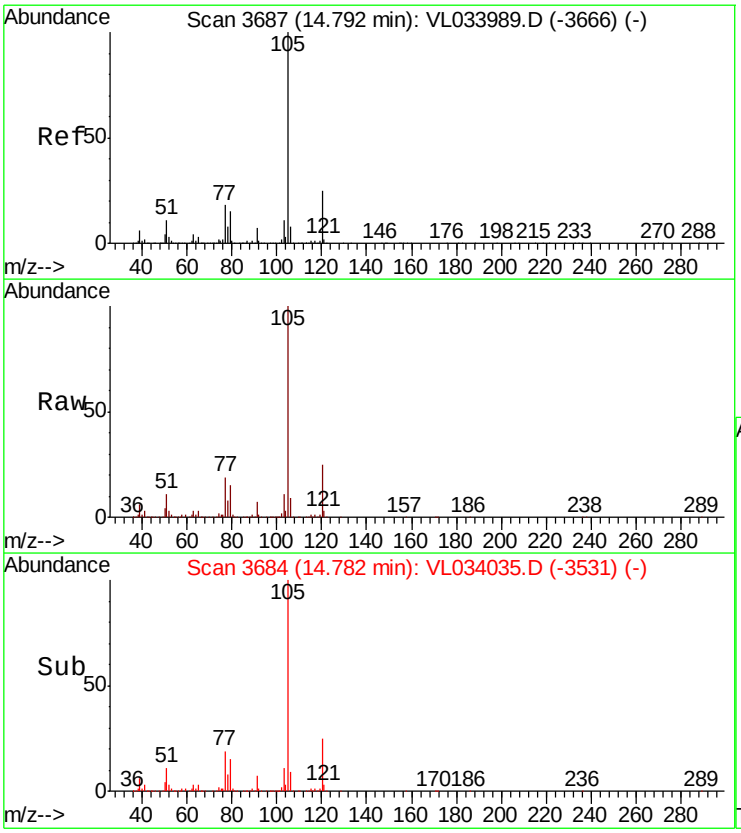
#61
Stvrene
Concen: 9.074 ppbv
RT: 13.64 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2557509

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.9	65.9
103	47.9	38.1	57.1

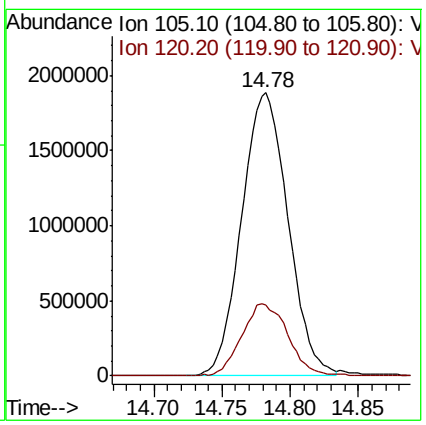


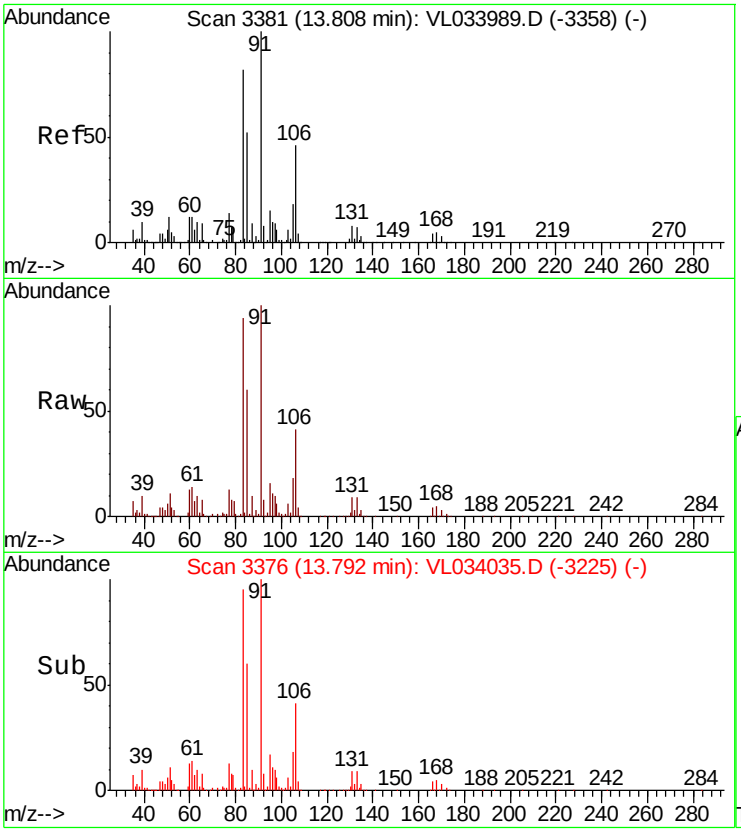


#62
Isopropylbenzene
Concen: 6.783 ppbv
RT: 14.78 min Scan# 3684
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:105 Resp: 4440665

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.4	30.6



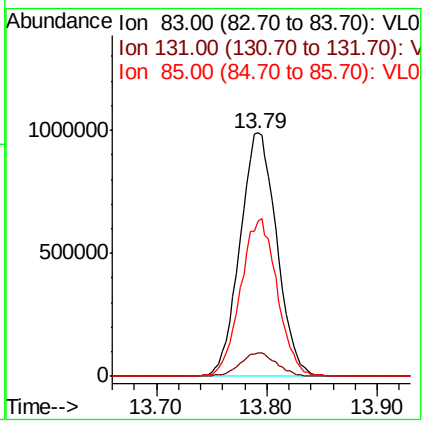


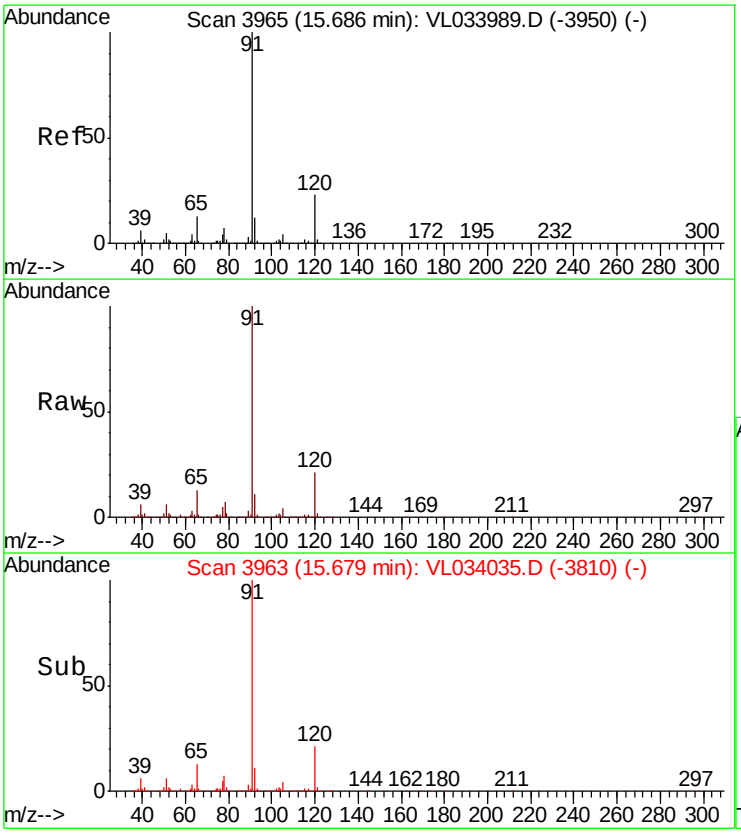
#63
1,1,2,2-Tetrachloroethane
Concen: 6.924 ppbv
RT: 13.79 min Scan# 3376
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2282642

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.6	32.8	98.3

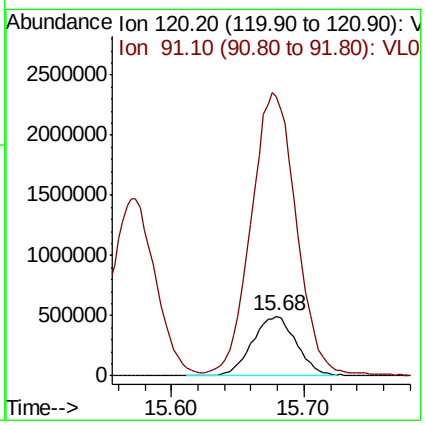


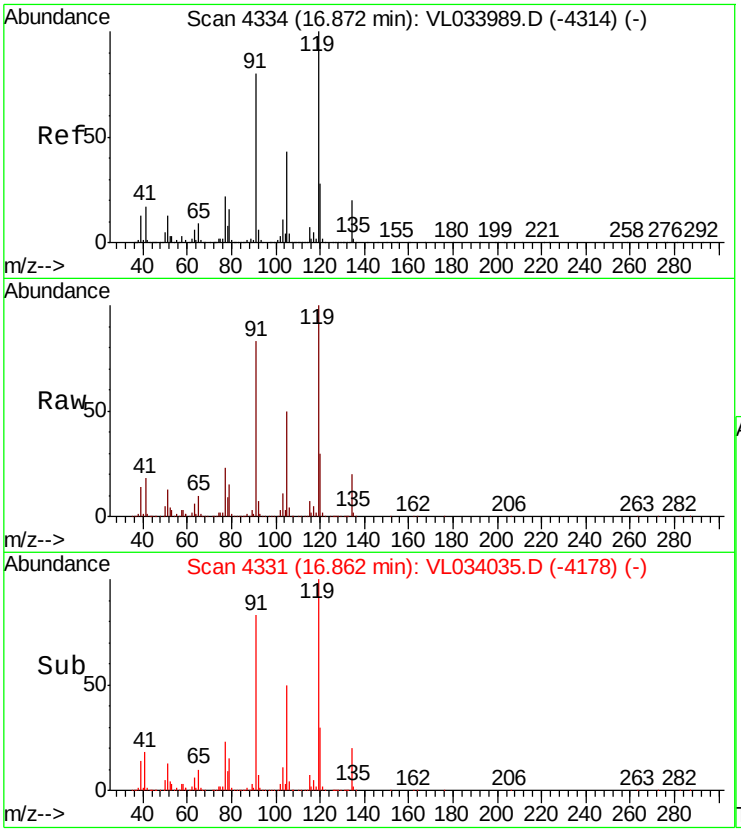


#64
n-propylbenzene
Concen: 6.757 ppbv
RT: 15.68 min Scan# 3963
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:120 Resp: 1147224

Ion	Ratio	Lower	Upper
120	100		
91	490.8	386.6	579.8



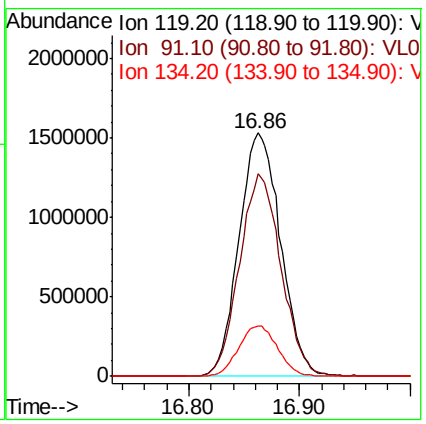


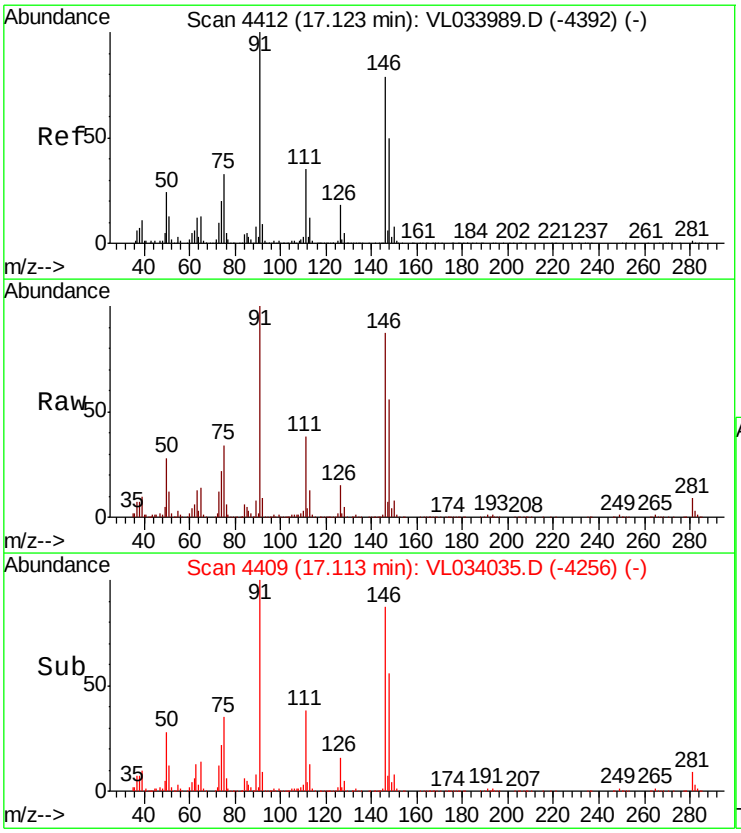
#65
tert-Butylbenzene
Concen: 7.166 ppbv
RT: 16.86 min Scan# 4331
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3989710

Ion	Ratio	Lower	Upper
119	100		
91	83.3	67.0	100.6
134	19.7	15.8	23.6

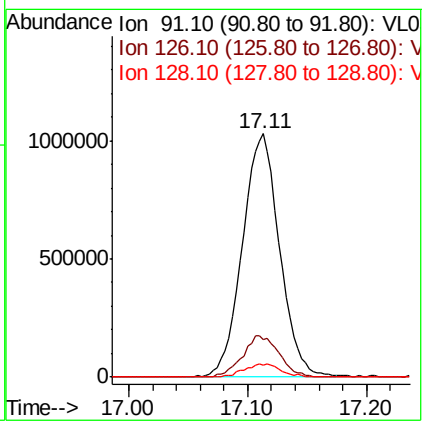


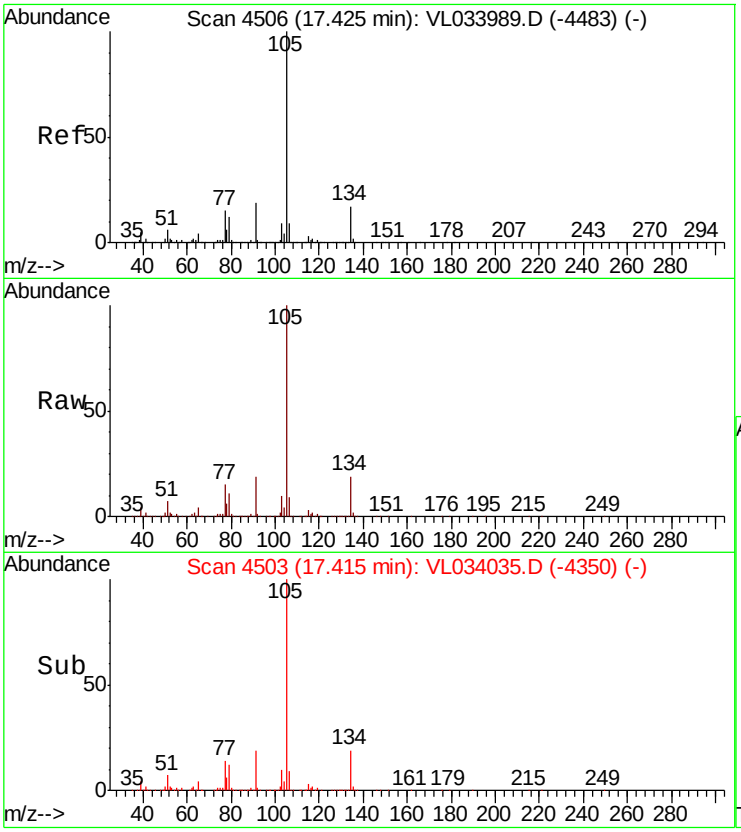


#66
Benzyl Chloride
Concen: 7.768 ppbv
RT: 17.11 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 91 Resp: 2212699

Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.9	20.9
128	5.5	4.6	7.0



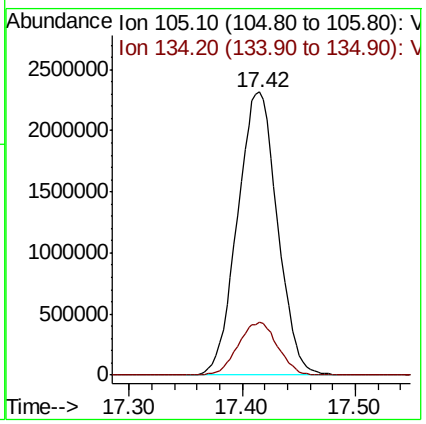


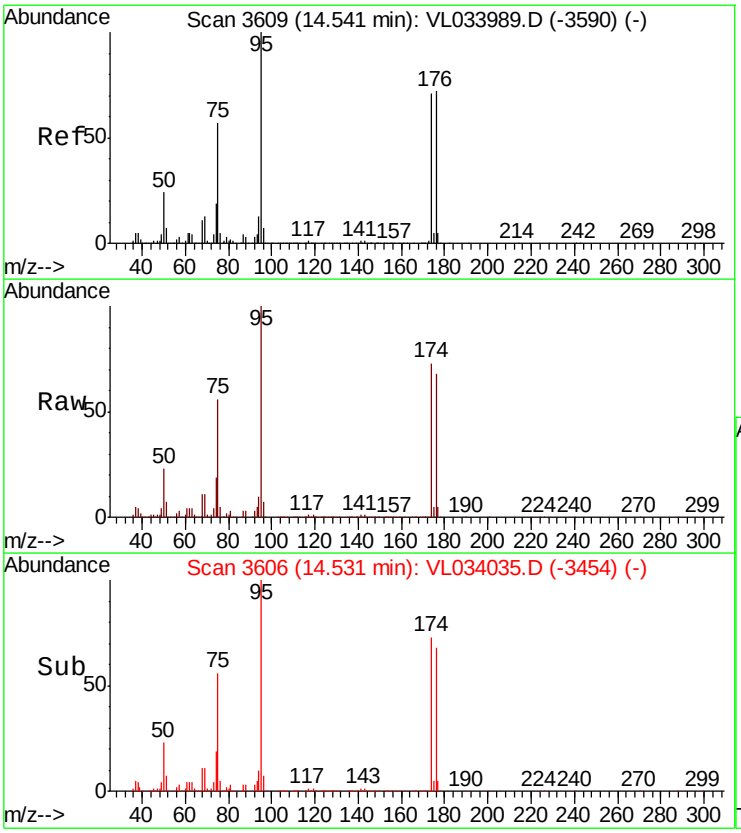
#67
sec-Butylbenzene
Concen: 7.253 ppbv
RT: 17.42 min Scan# 4503
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5668466

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.7	22.1

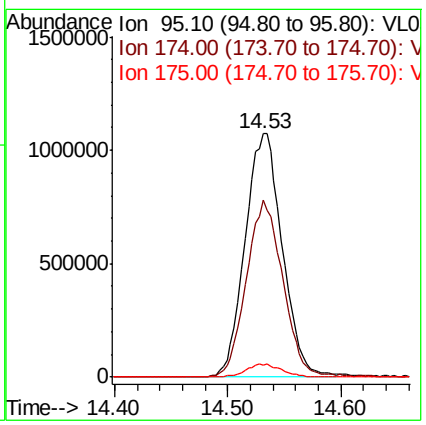


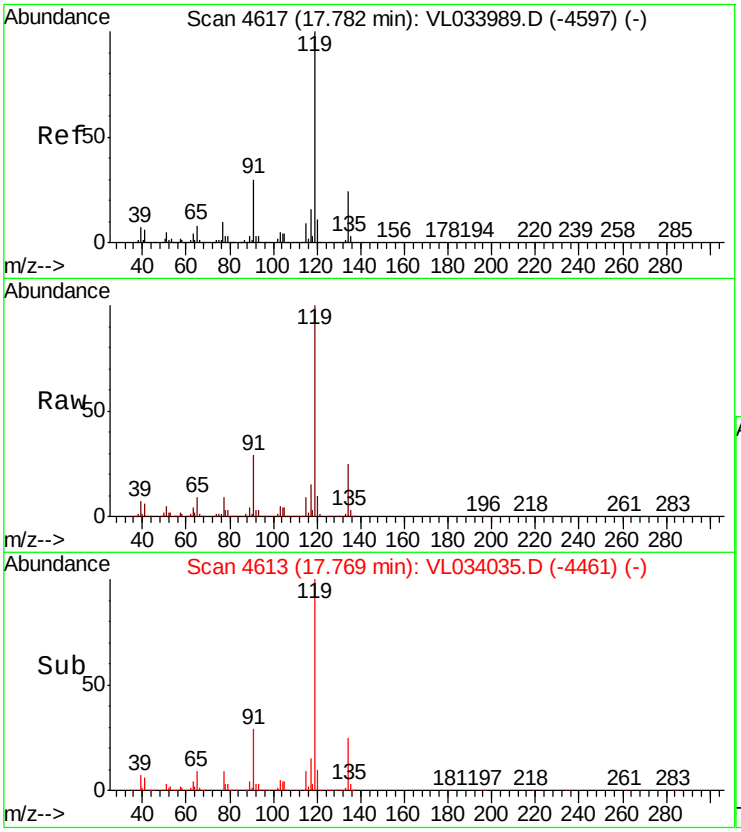


#68
1-Bromo-4-Fluorobenzene
Concen: 7.353 ppbv
RT: 14.53 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 95 Resp: 2451968

Ion	Ratio	Lower	Upper
95	100		
174	71.9	60.5	90.7
175	5.2	4.0	6.0



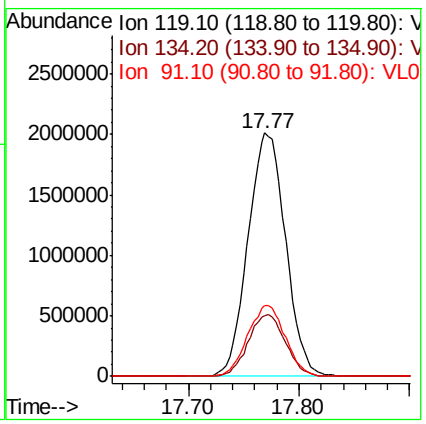


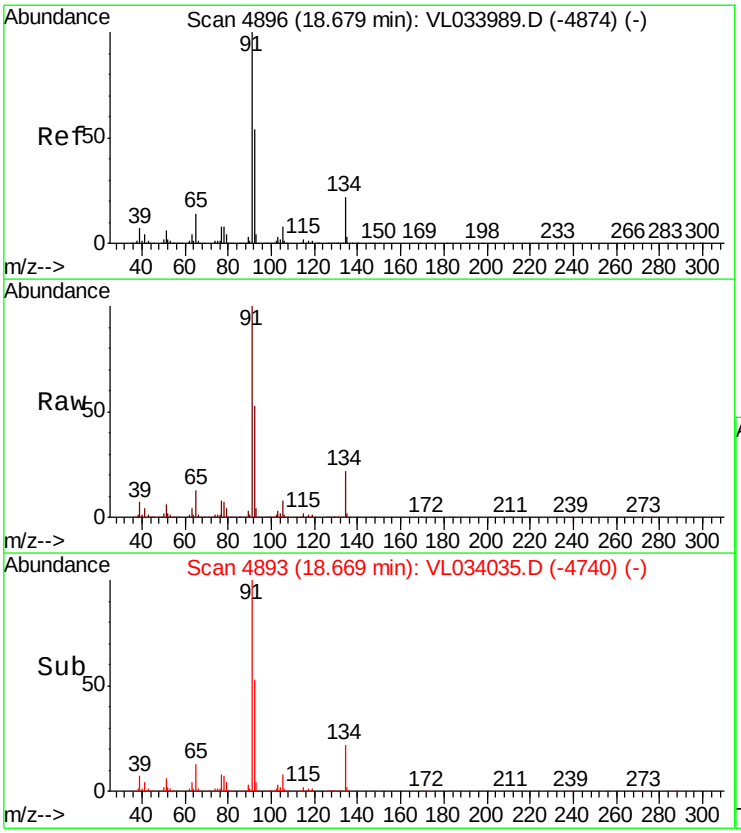
#69
p-Isopropyltoluene
Concen: 7.388 ppbv
RT: 17.77 min Scan# 4613
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4760278

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	29.1	23.6	35.4

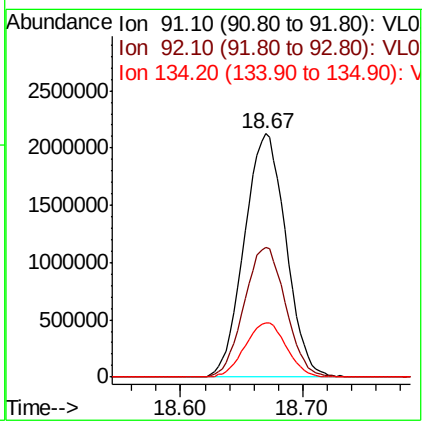


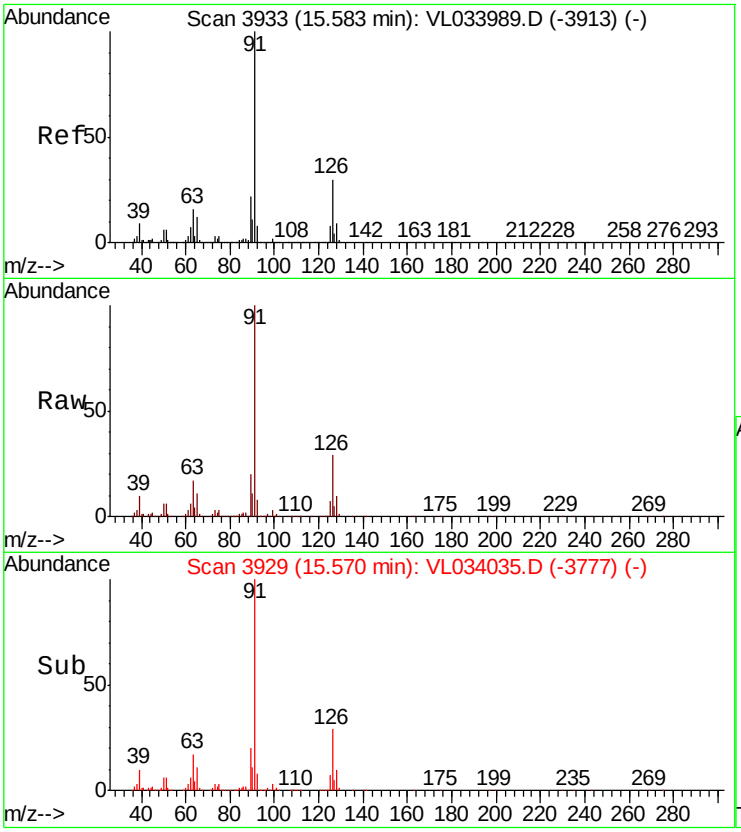


#70
n-Butylbenzene
Concen: 7.404 ppbv
RT: 18.67 min Scan# 4893
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion: 91 Resp: 5011428

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.0	63.0
134	22.4	17.9	26.9



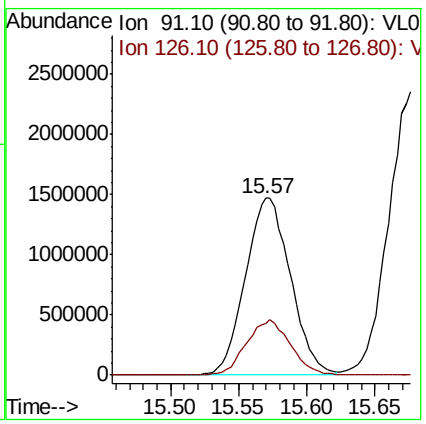


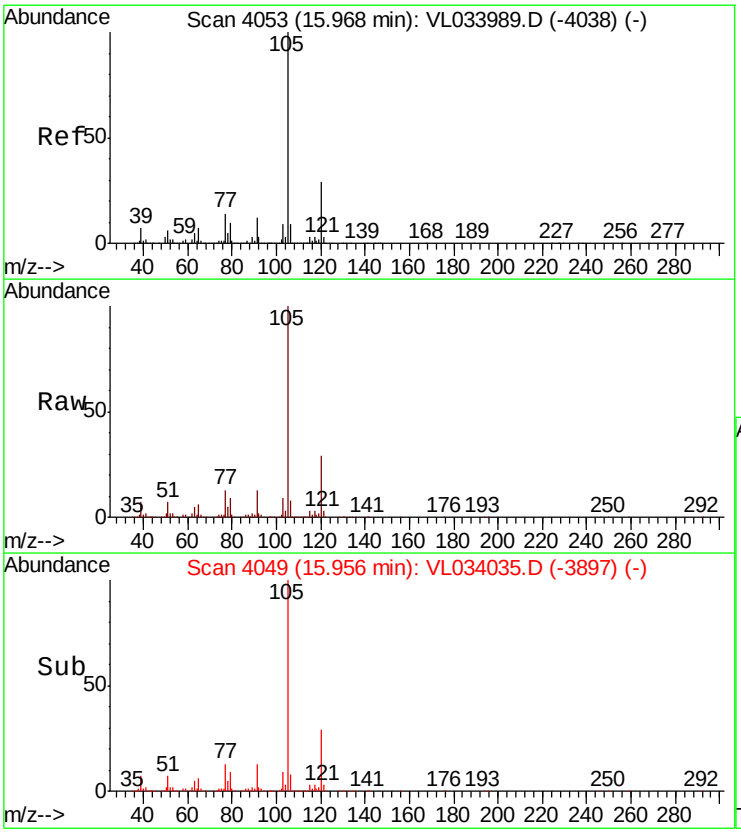
#71
2-Chlorotoluene
Concen: 7.059 ppbv
RT: 15.57 min Scan# 3929
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3382172

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.3	49.3

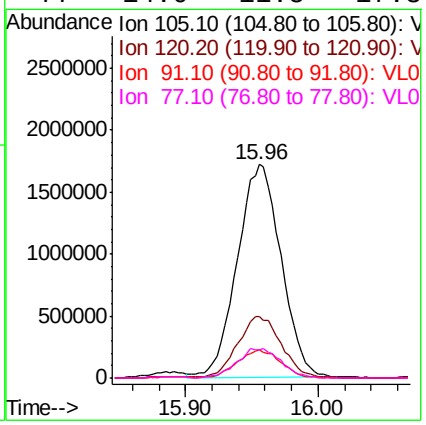


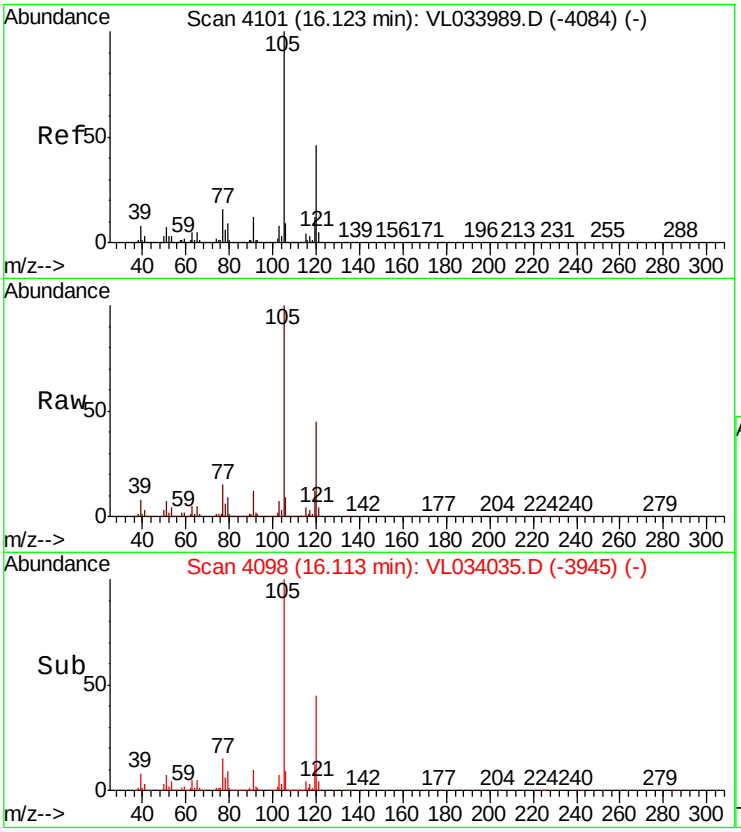


#72
4-Ethyltoluene
Concen: 7.170 ppbv
RT: 15.96 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:105 Resp: 3921352

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.1	36.1
91	13.0	10.6	16.0
77	14.0	11.5	17.3



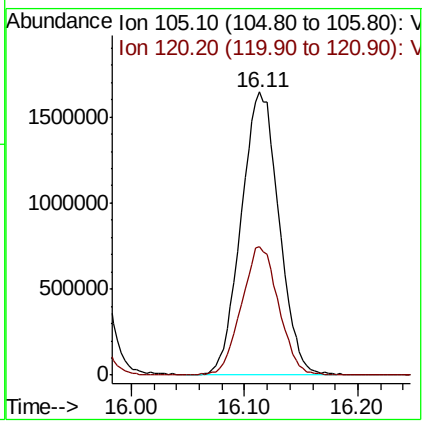


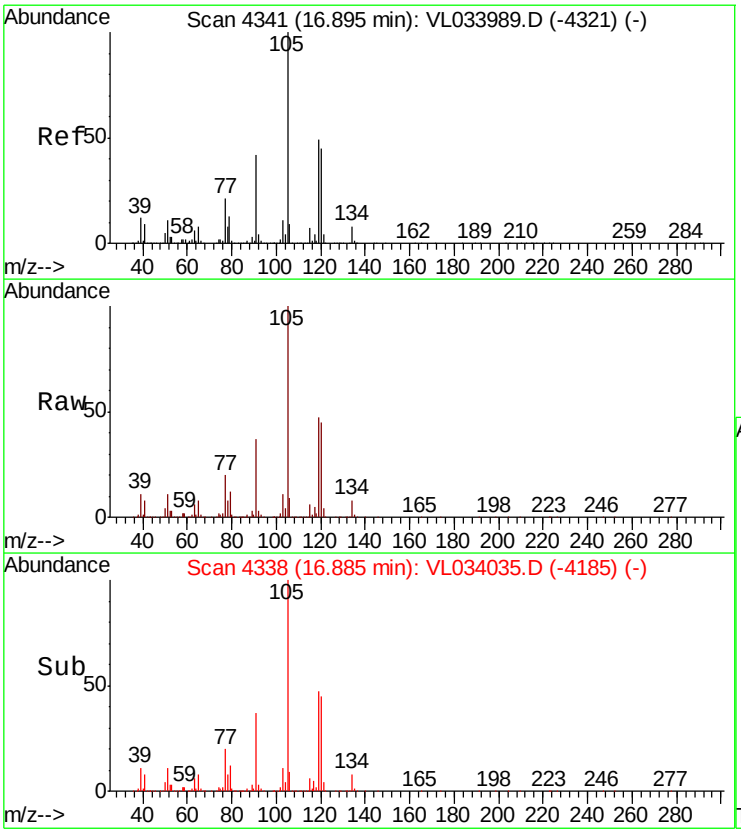
#73
1,3,5-Trimethylbenzene
Concen: 7.492 ppbv
RT: 16.11 min Scan# 4098
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3812630

Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.4	54.6

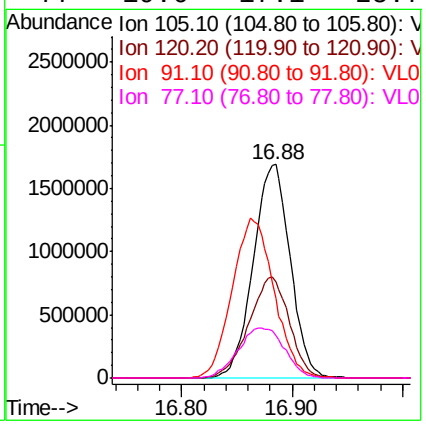


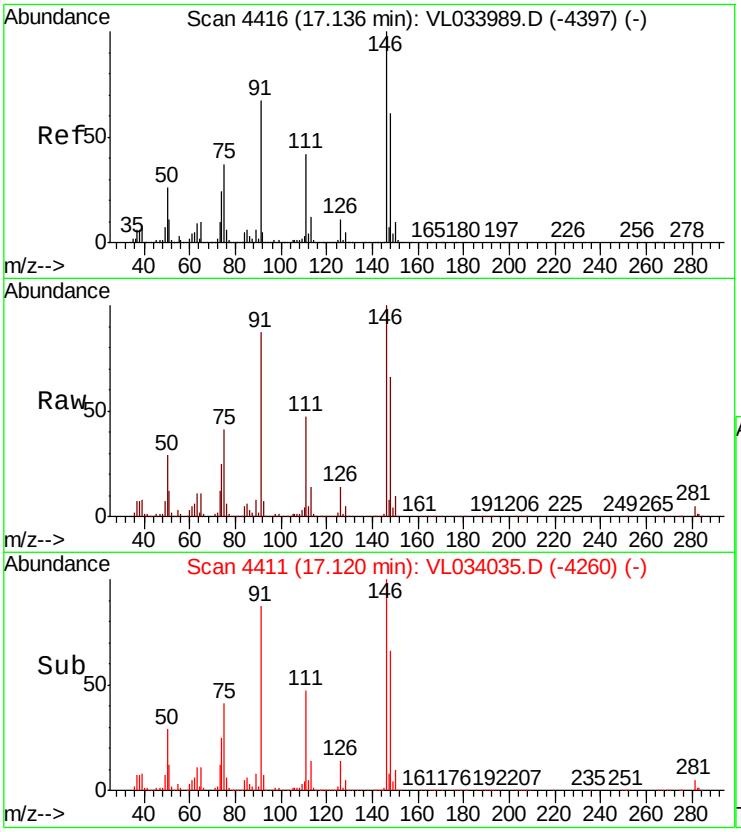


#74
1,2,4-Trimethylbenzene
Concen: 6.950 ppbv
RT: 16.88 min Scan# 4338
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:105 Resp: 3917626

Ion	Ratio	Lower	Upper
105	100		
120	45.0	36.2	54.2
91	37.1	34.3	51.5
77	19.6	17.1	25.7



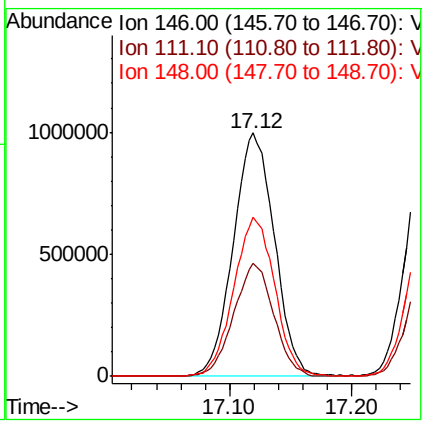


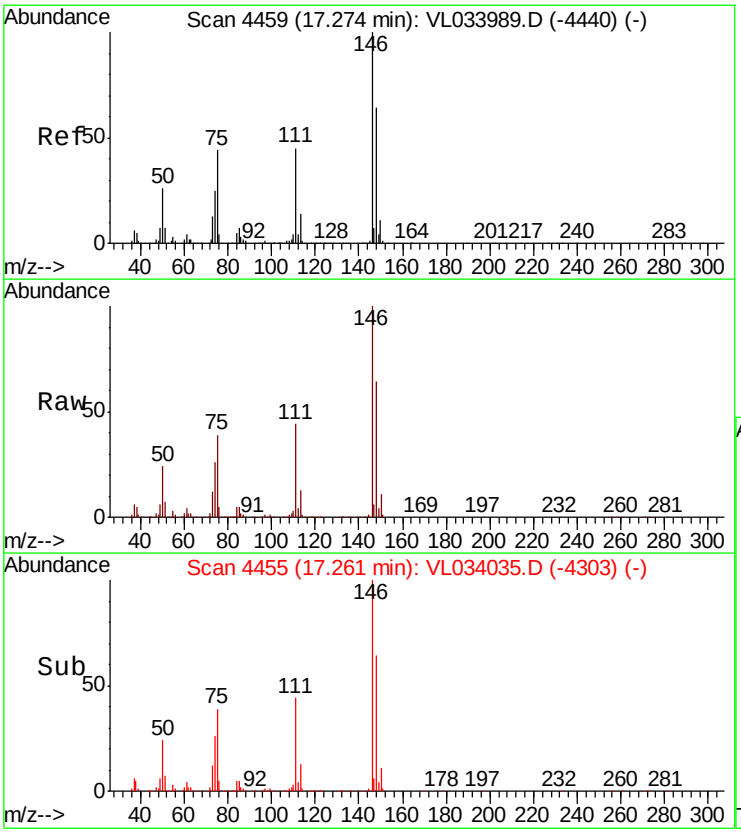
#75
1,3-Dichlorobenzene
Concen: 6.463 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2313963

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.3	66.9
148	65.6	32.0	96.2

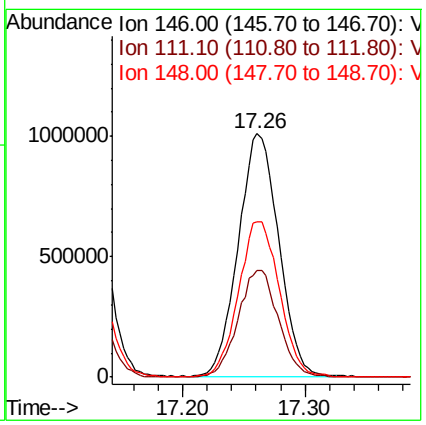


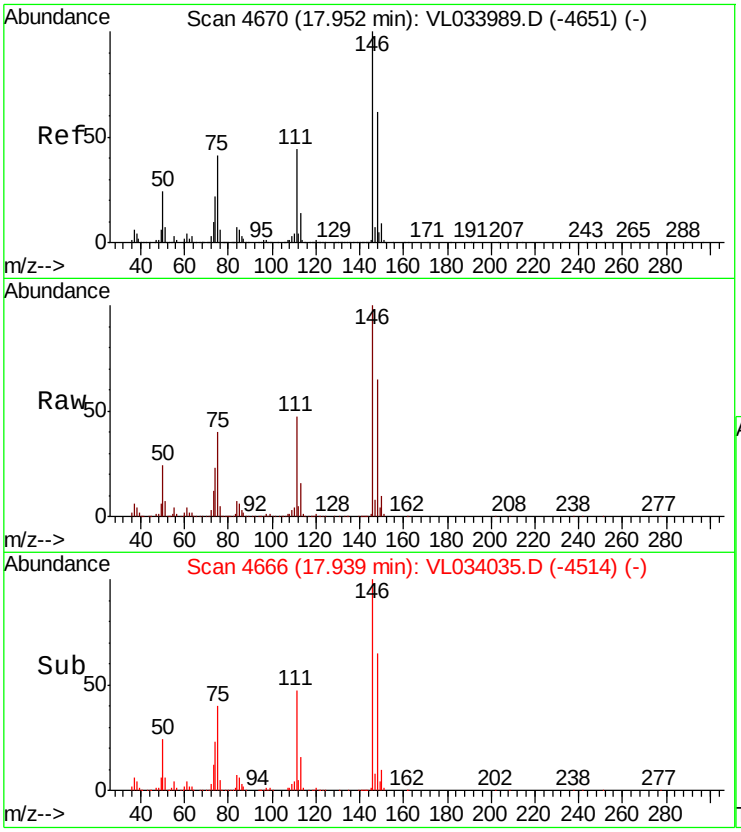


#76
1,4-Dichlorobenzene
Concen: 6.817 ppbv
RT: 17.26 min Scan# 4455
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:146 Resp: 2298882

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.5
148	65.4	32.5	97.5



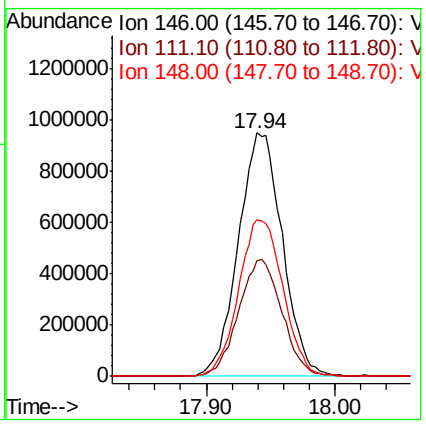


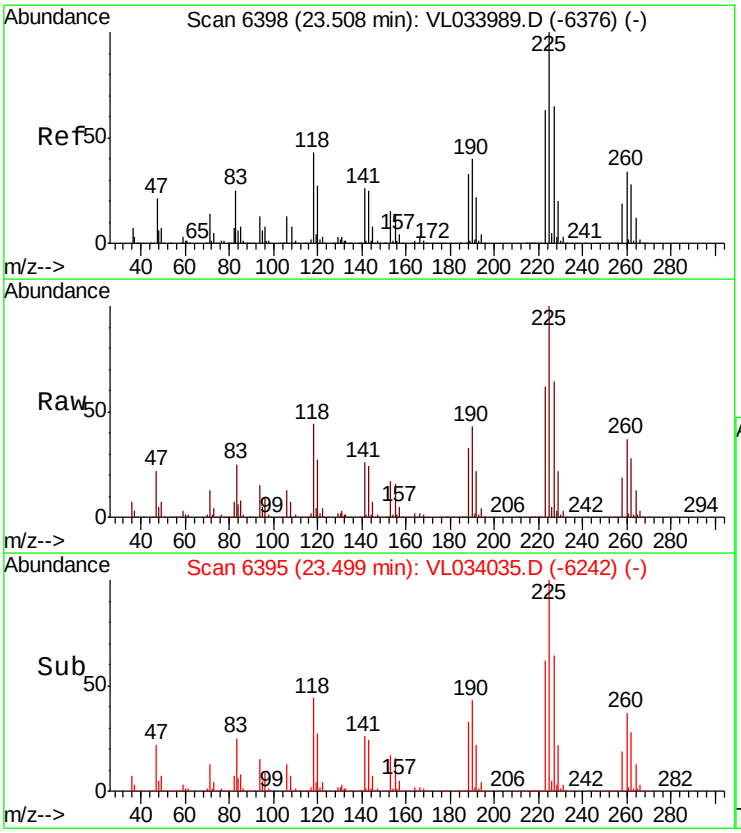
#77
1,2-Dichlorobenzene
Concen: 6.788 ppbv
RT: 17.94 min Scan# 4666
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2250453

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.7	68.1
148	65.1	32.1	96.3

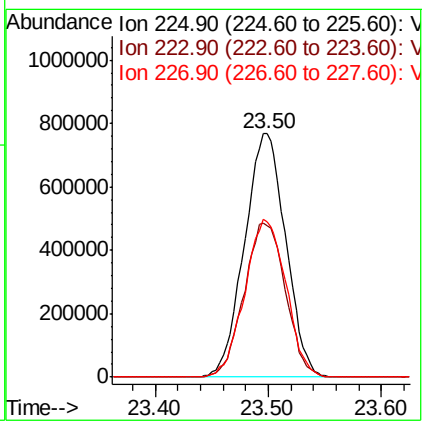


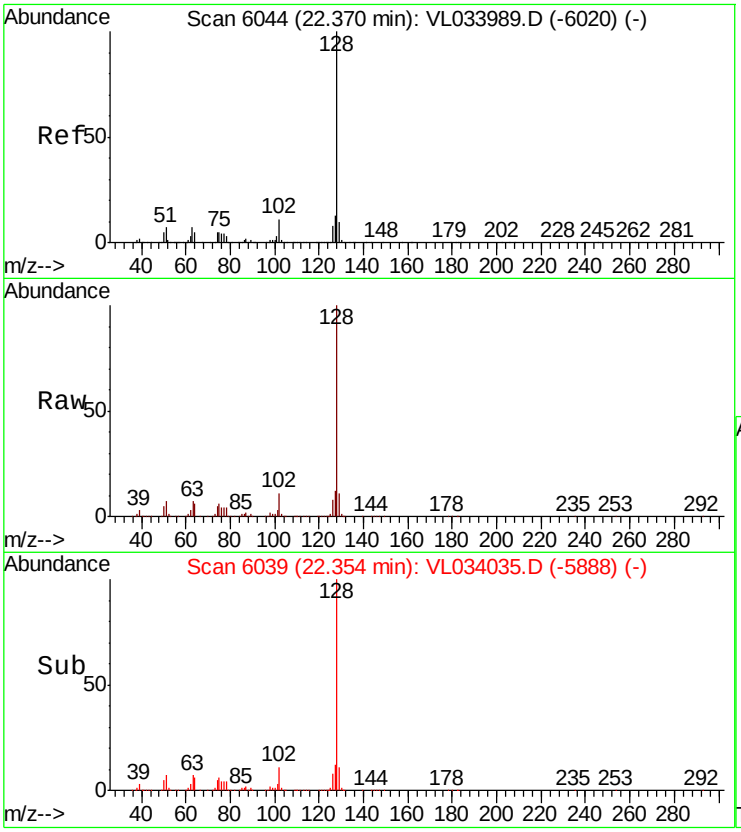


#78
Hexachloro-1,3-Butadiene
Concen: 6.885 ppbv
RT: 23.50 min Scan# 6395
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:225 Resp: 1942414

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.5	77.3
227	64.7	52.1	78.1



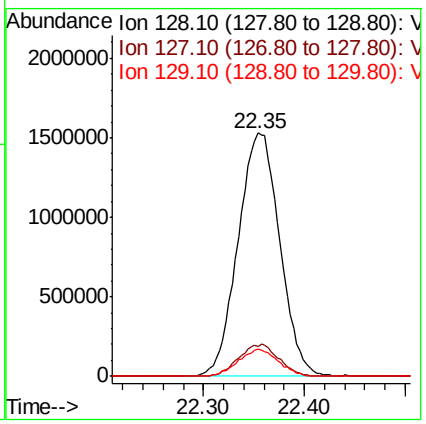


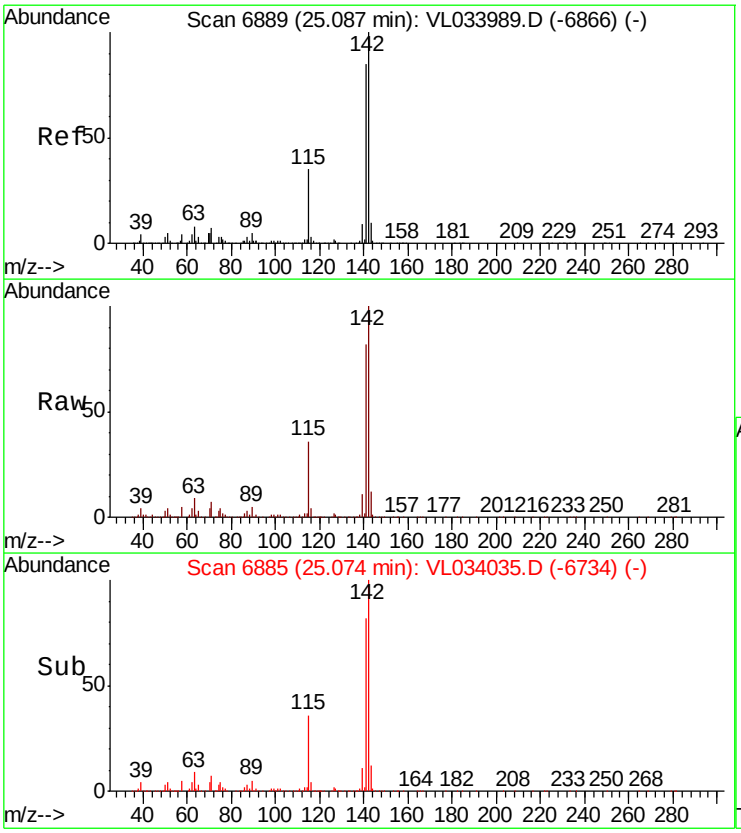
#79
Naphthalene
Concen: 9.242 ppbv
RT: 22.35 min Scan# 6039
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 4379452

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	11.0	8.3	12.5

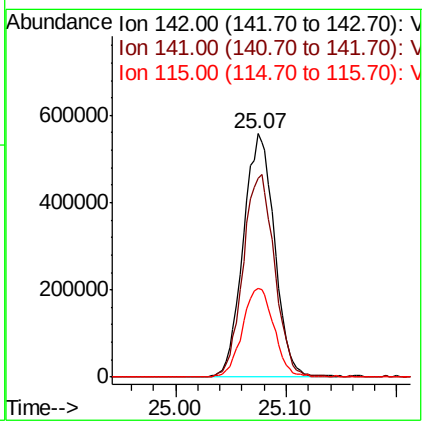


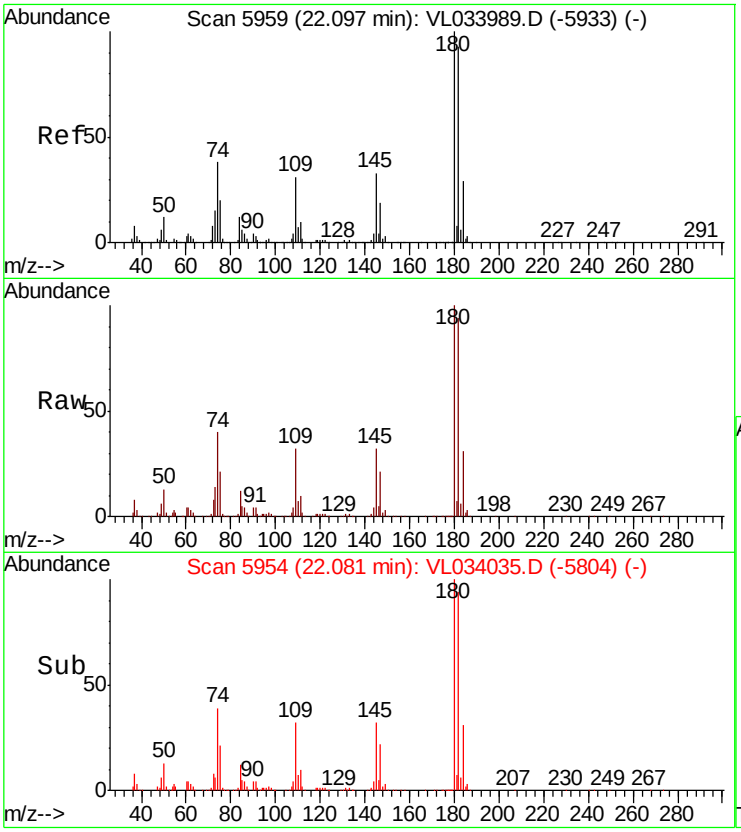


#80
Naphthalene,2-methyl-
Concen: 6.362 ppbv
RT: 25.07 min Scan# 6885
Delta R.T. -0.01 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Tgt Ion:142 Resp: 1097165

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.2	102.2
115	37.4	29.9	44.9





#81
1,2,4-Trichlorobenzene
Concen: 8.168 ppbv
RT: 22.08 min Scan# 5954
Delta R.T. -0.02 min
Lab File: VL034035.D
Acq: 17 Jul 2019 15:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 2485986

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
184	30.7	24.6	36.8