Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032580.D
Acq On : 28 Sep 2018 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Sep 28 23:12:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1349639	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.33	114	3124931	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	3398546	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2413880	9.42	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1075693	8.617	ppbv		99
3) Chlorodifluoromethane	3.03	51	1077103	9.597	ppbv		99
4) Chloromethane	3.19	50	597573	9.131	ppbv		100
5) Vinyl Chloride	3.31	62	597138	9.030	ppbv		97
6) Bromomethane	3.53	94	353872	9.785	ppbv		99
7) Chloroethane	3.62	64	221027	9.381	ppbv		100
8) Dichlorotetrafluoroethane	3.24	85	1360806	9.977	ppbv		99
9) Propene	3.05	41	527524	10.833	ppbv		99
10) Heptane	8.28	43	1783640	9.986	ppbv		96
11) Trichlorofluoromethane	4.03	101	1474512	9.936	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1391347	11.470	ppbv		97
13) Ethanol	3.67	45	141947	9.698	ppbv		98
14) Bromoethene	3.81	108	442585	10.282	ppbv		99
15) Acetone	3.92	43	1217878	10.280	ppbv		100
16) 1,3-Butadiene	3.38	39	459639	9.567	ppbv		98
17) tert-Butyl alcohol	4.38	59	205642	13.814	ppbv	#	100
18) 1,1-Dichloroethene	4.38	96	661758	11.649	ppbv		97
19) Isopropyl Alcohol	4.04	45	820401	9.942	ppbv		99
20) Methylene Chloride	4.43	84	595962	10.388	ppbv		97
21) Allyl Chloride	4.50	41	1137972	11.753	ppbv		98
22) trans-1,2-Dichloroethene	4.99	96	588865	10.998	ppbv		96
23) Vinyl Acetate	5.18	43	1989839	9.505	ppbv		98
24) 1,1-Dichloroethane	5.12	63	1547832	8.879	ppbv		99
25) Ethyl Acetate	5.80	43	2751696	9.572	ppbv		100
26) Hexane	5.81	57	1300230	10.014	ppbv		99
27) Carbon Disulfide	4.64	76	1593152	11.413	ppbv		99
28) Methyl tert-Butyl Ether	5.14	73	1660386	10.265	ppbv		98
29) Chloroform	5.88	83	1992711	10.002	ppbv		99
30) Cyclohexane	7.28	84	1119426	10.588	ppbv		97
31) cis-1,2-Dichloroethene	5.67	61	1281545	10.363	ppbv		99
32) 1,1,1-Trichloroethane	6.65	97	2059458	9.700	ppbv		99
34) 2-Butanone	5.35	43	1849266	9.938	ppbv		99
35) Carbon Tetrachloride	7.17	117	2129859	9.809	ppbv		97
36) Benzene	7.04	78	2621859	10.382	ppbv		99
37) 1,2-Dichloroethane	6.44	62	1602792	10.531	ppbv		98
38) Trichloroethene	7.99	130	1019004	10.542	ppbv		99
39) 1,2-Dichloropropane	7.77	63	1100755	9.672	ppbv		97
40) 1,4-Dioxane	7.99	88	344772	9.880	ppbv	#	1
41) Tetrahydrofuran	6.18	42	1059739	10.482	ppbv		96
42) Bromodichloromethane	7.95	83	2317200	10.162	ppbv		99
43) Methyl Methacrylate	8.17	69	1129636	10.708	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032580.D
Acq On : 28 Sep 2018 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Sep 28 23:12:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	4868793	9.865	ppbv		99
45) t-1,3-Dichloropropene	9.45	75	1543490	11.762	ppbv		99
46) cis-1,3-Dichloropropene	8.87	75	1610038	10.460	ppbv		99
47) 1,1,2-Trichloroethane	9.65	97	1222343	9.670	ppbv		99
48) Dibromochloromethane	10.49	129	2053982	10.334	ppbv		100
49) Bromoform	13.24	173	1575734	10.375	ppbv		99
50) 4-Methyl-2-Pentanone	8.90	43	2767526	9.461	ppbv		99
51) 2-Hexanone	10.31	43	2512507	10.386	ppbv		100
52) Tetrachloroethene	11.41	164	859228	9.772	ppbv		99
53) Toluene	9.98	91	3385663	11.001	ppbv		100
54) 1,2-Dibromoethane	10.80	107	1848171	10.280	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.32	131	1374750	8.999	ppbv	#	61
57) Chlorobenzene	12.34	112	2374803	8.674	ppbv		97
58) Ethyl Benzene	12.90	91	4228551	10.257	ppbv		99
59) m/p-Xylene	13.18	91	3294177	8.981	ppbv	#	26
60) o-Xylene	13.89	91	3468612	9.713	ppbv		100
61) Styrene	13.72	104	2502030	10.711	ppbv		99
62) Isopropylbenzene	14.86	105	4822305	9.549	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2572504	8.109	ppbv		99
64) n-propylbenzene	15.76	120	1240147	9.558	ppbv		96
65) tert-Butylbenzene	16.95	119	4073597	9.411	ppbv		98
66) Benzyl Chloride	17.19	91	2456890	9.848	ppbv		100
67) sec-Butylbenzene	17.49	105	6012423	9.342	ppbv		99
69) p-Isopropyltoluene	17.85	119	2392902	4.814	ppbv	#	47
70) n-Butylbenzene	18.75	91	5168562	9.519	ppbv		99
71) 2-Chlorotoluene	15.65	91	3777739	9.821	ppbv		99
72) 4-Ethyltoluene	16.04	105	3929336	10.137	ppbv		99
73) 1,3,5-Trimethylbenzene	16.19	105	3736199	9.919	ppbv		99
74) 1,2,4-Trimethylbenzene	16.96	105	3782155	9.325	ppbv		99
75) 1,3-Dichlorobenzene	17.20	146	2075534	8.293	ppbv		100
76) 1,4-Dichlorobenzene	17.34	146	2040672	8.905	ppbv		99
77) 1,2-Dichlorobenzene	18.03	146	2049587	8.708	ppbv		100
78) Hexachloro-1,3-Butadiene	23.58	225	1186768	13.435	ppbv		99
79) Naphthalene	22.45	128	3033376	10.370	ppbv		99
80) Naphthalene,2-methyl-	25.14	142	916710	13.348	ppbv		98
81) 1,2,4-Trichlorobenzene	22.18	180	1446674	9.649	ppbv		100

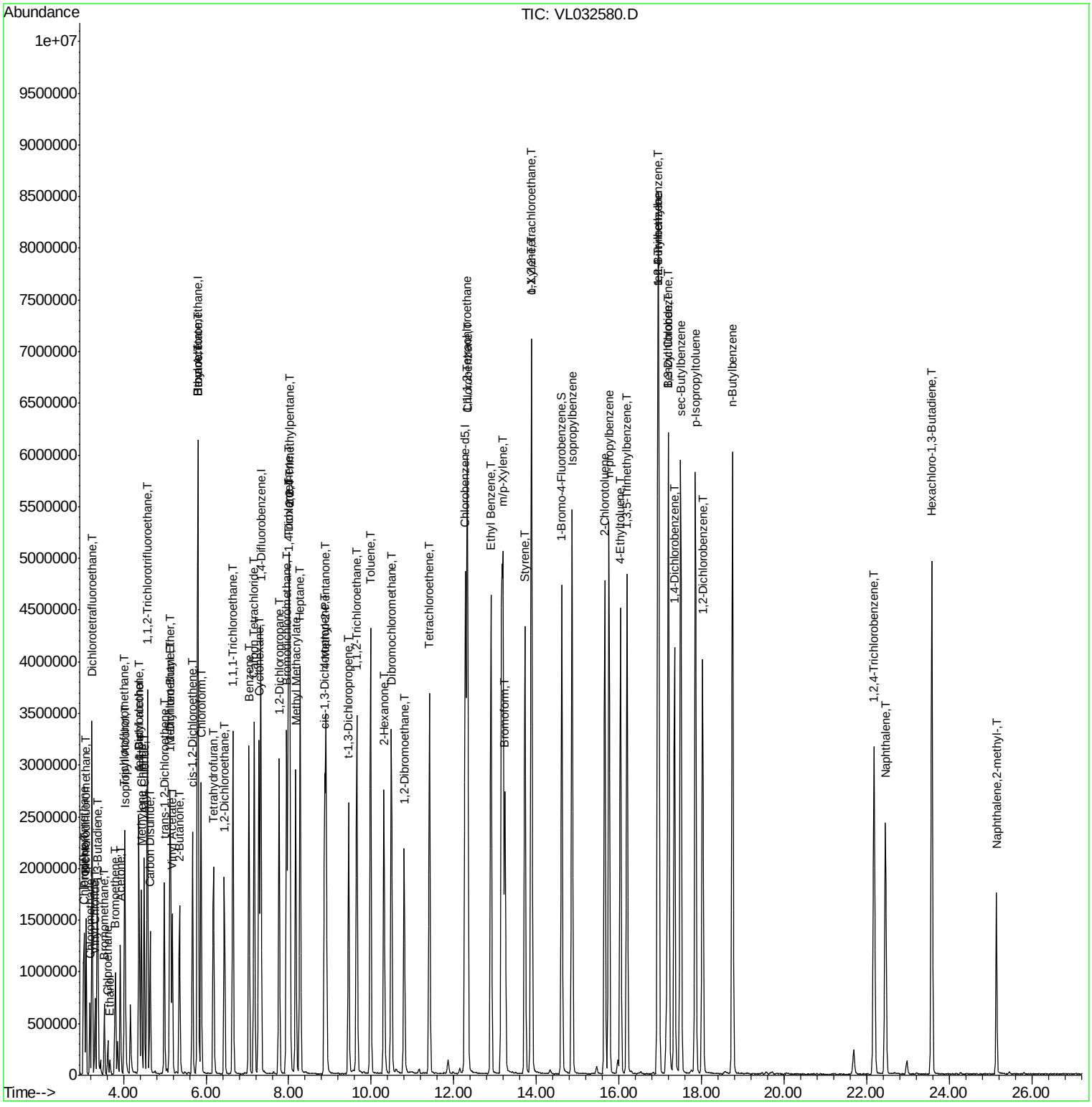
(#) = qualifier out of range (m) = manual integration (+) = signals summed

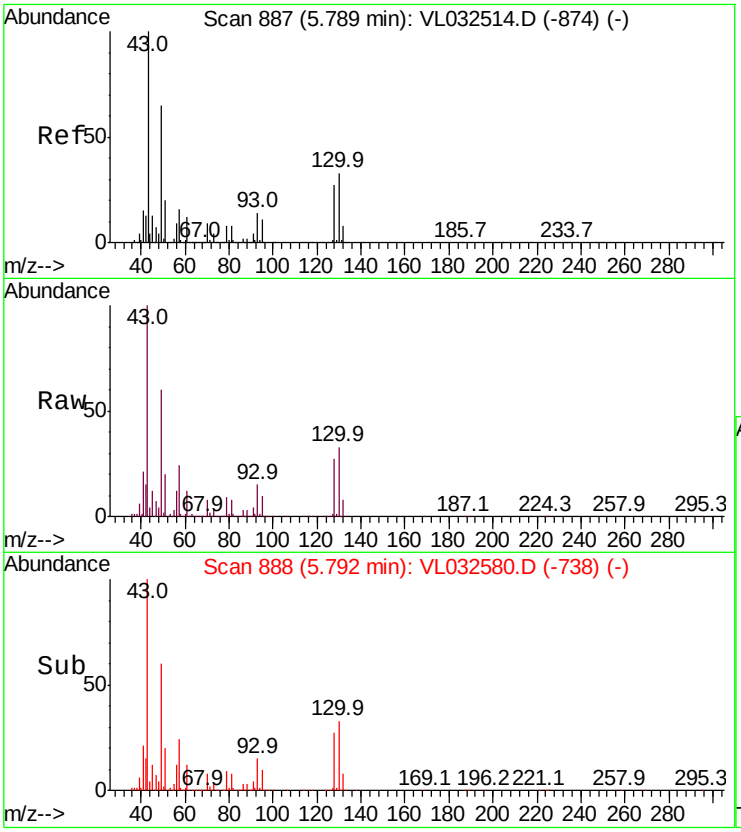
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032580.D
Acq On : 28 Sep 2018 12:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 28 23:12:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



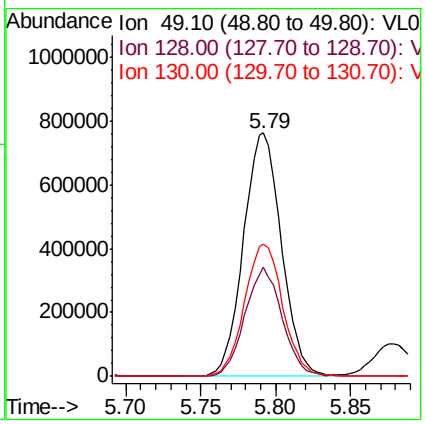


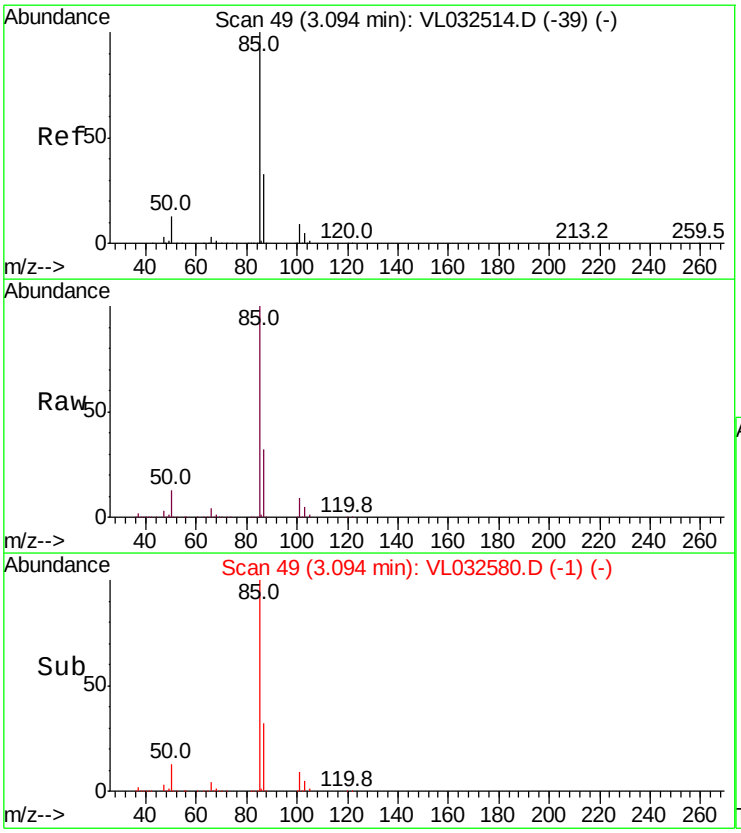
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1349639

Ion	Ratio	Lower	Upper
49	100		
128	44.0	20.7	62.1
130	55.3	26.6	79.7

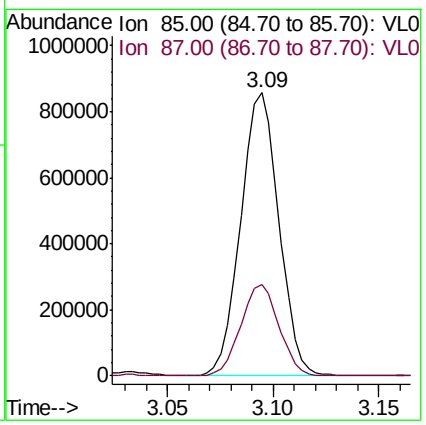


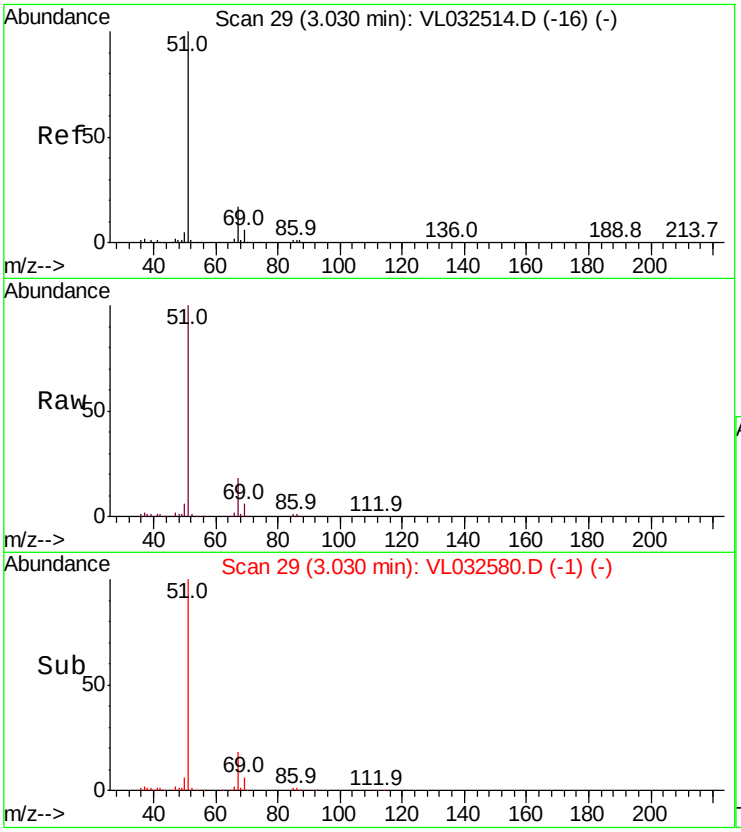


#2
Dichlorodifluoromethane
Concen: 8.617 ppbv
RT: 3.09 min Scan# 49
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 85 Resp: 1075693

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.2	39.4



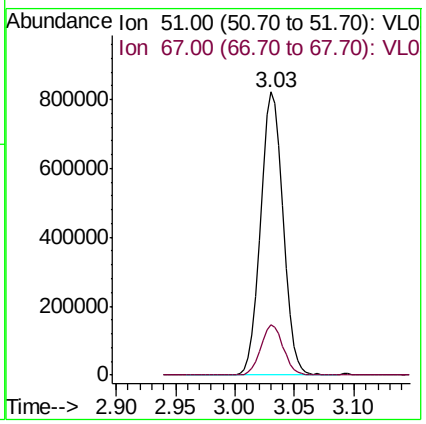


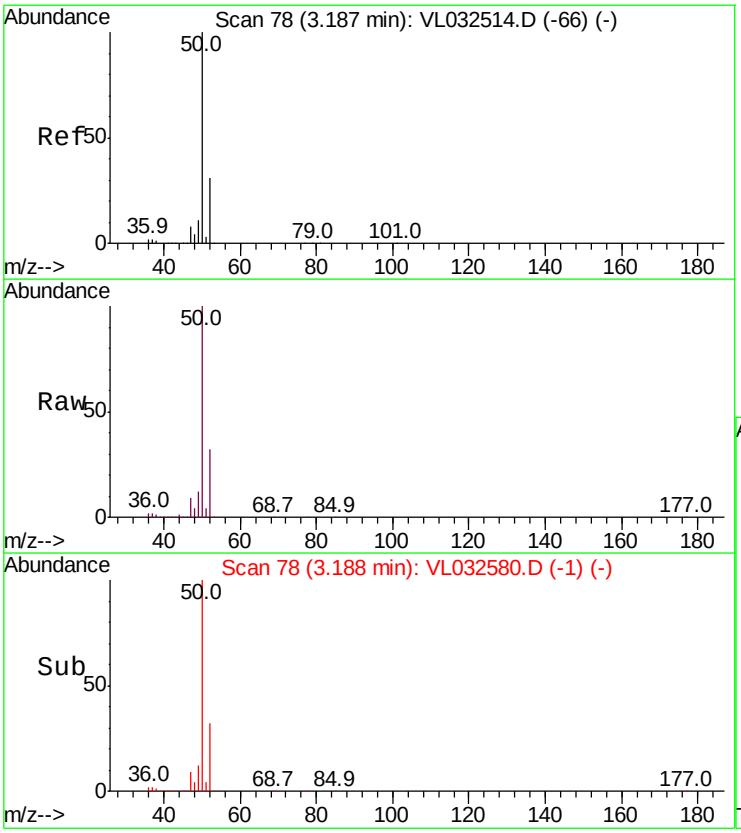
#3
Chlorodifluoromethane
Concen: 9.597 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1077103

Ion	Ratio	Lower	Upper
51	100		
67	17.9	13.8	20.8

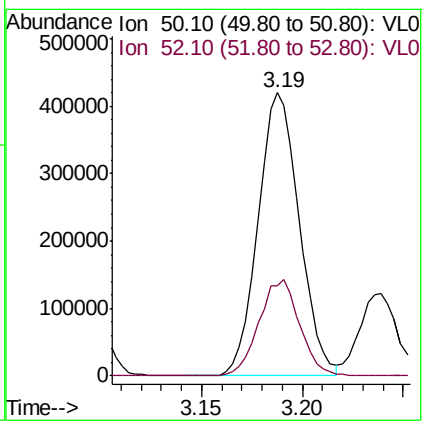


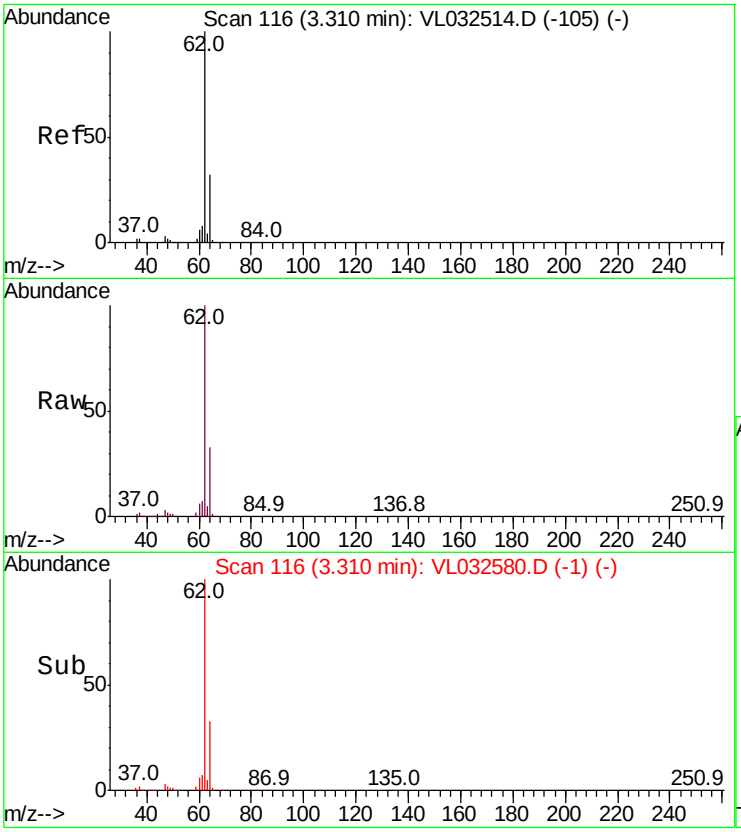


#4
Chloromethane
Concen: 9.131 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 50 Resp: 597573

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.6	38.4



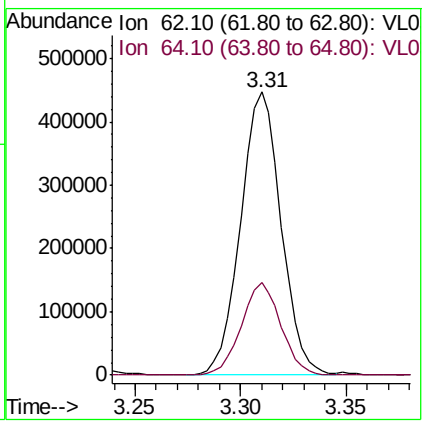


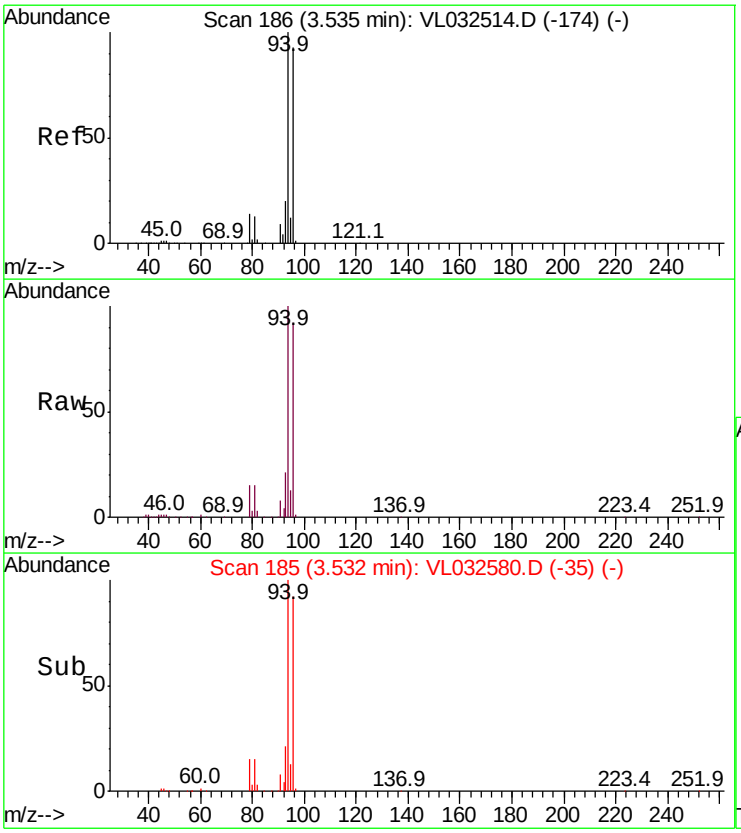
#5
Vinyl Chloride
Concen: 9.030 ppbv
RT: 3.31 min Scan# 116
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 597138

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.0	37.6

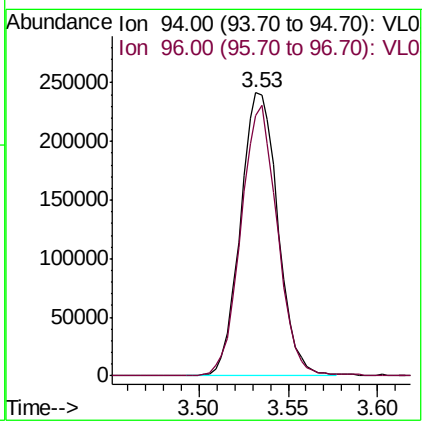


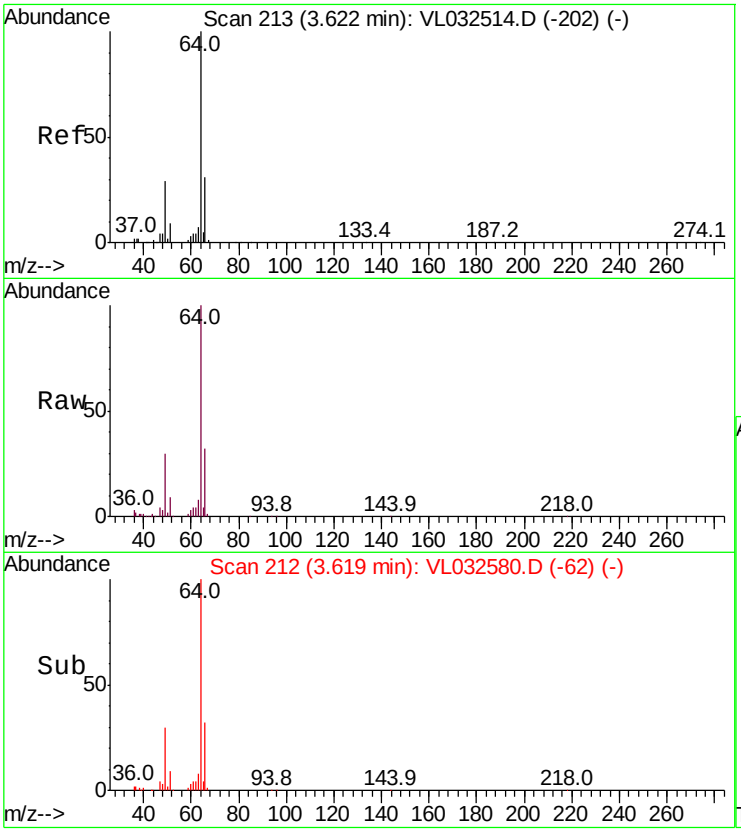


#6
Bromomethane
Concen: 9.785 ppbv
RT: 3.53 min Scan# 185
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 94 Resp: 353872

Ion	Ratio	Lower	Upper
94	100		
96	91.9	72.8	109.2



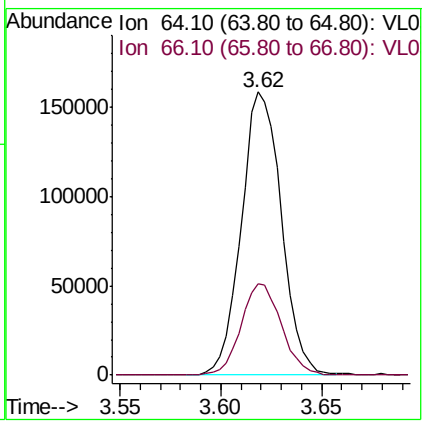


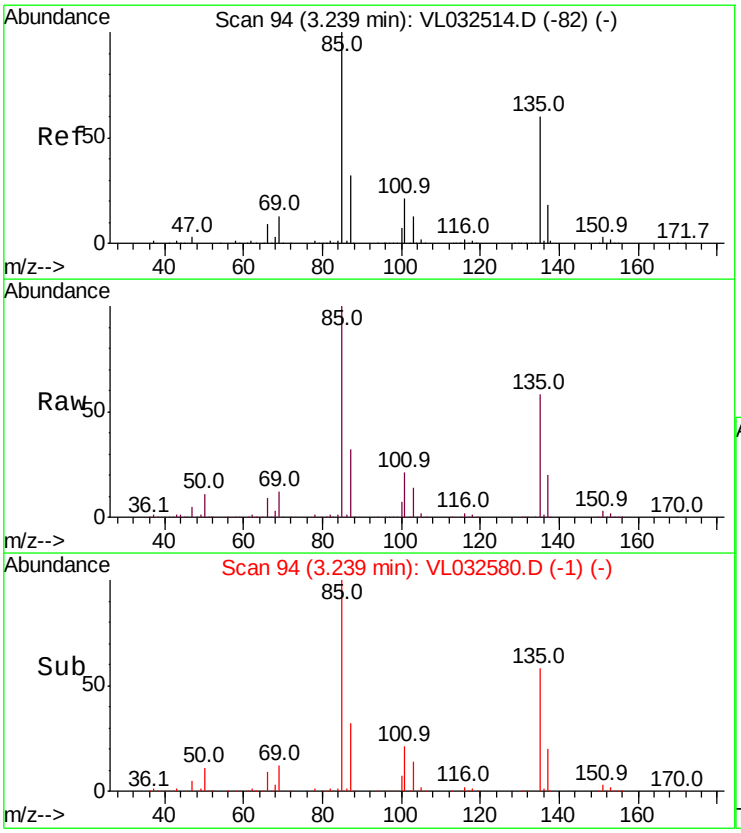
#7
Chloroethane
Concen: 9.381 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 221027

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.8	38.6

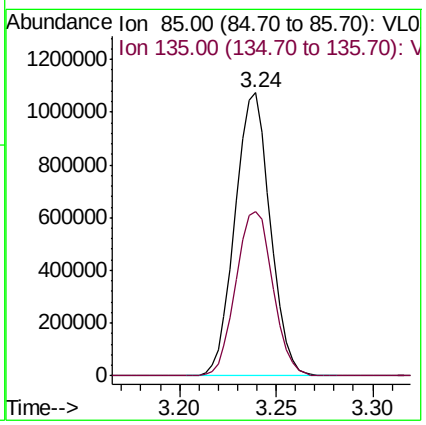


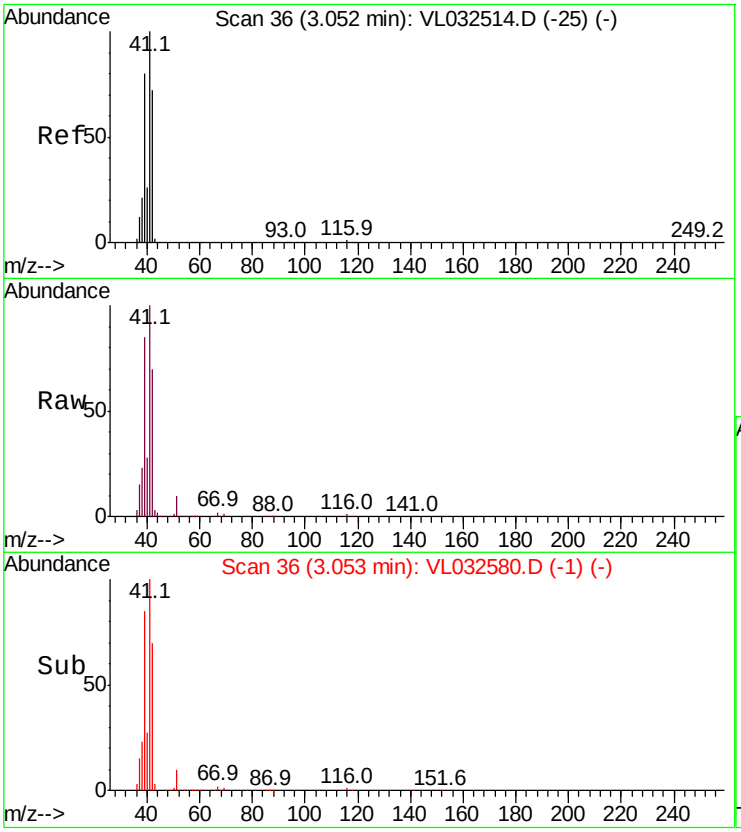


#8
Dichlorotetrafluoroethane
Concen: 9.977 ppbv
RT: 3.24 min Scan# 94
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 85 Resp: 1360806

Ion	Ratio	Lower	Upper
85	100		
135	61.3	48.6	72.8

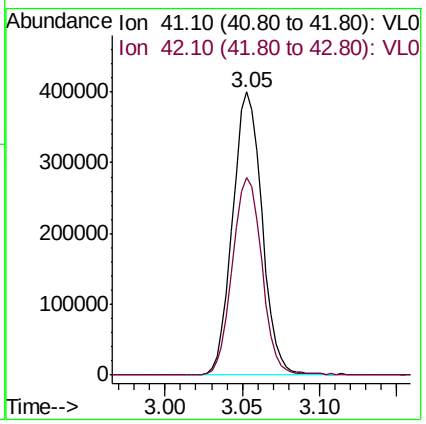




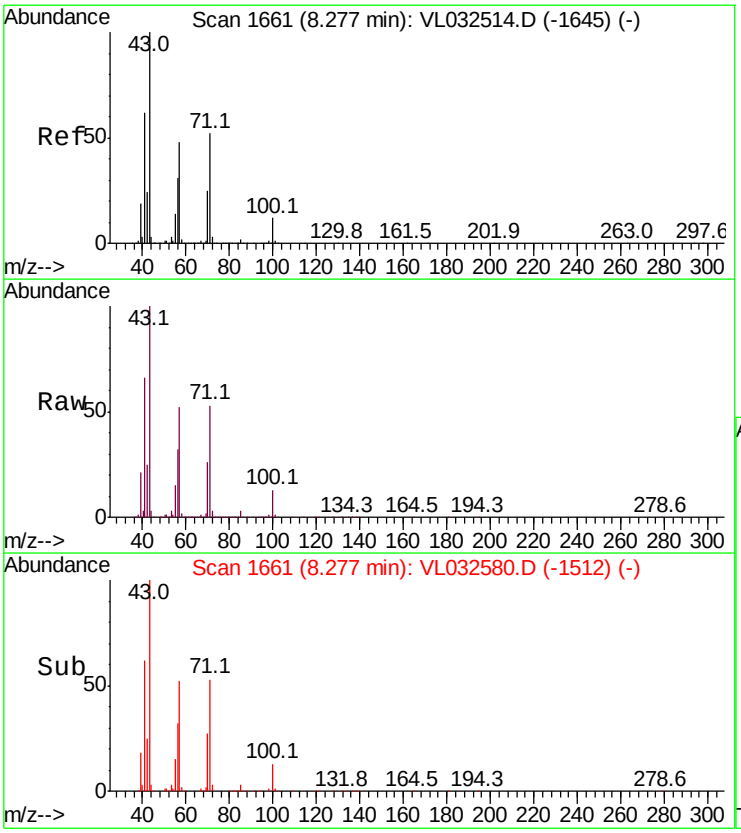
#9
Propene
Concen: 10.833 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 41 Resp: 527524

Ion	Ratio	Lower	Upper
41	100		
42	70.3	56.6	84.8



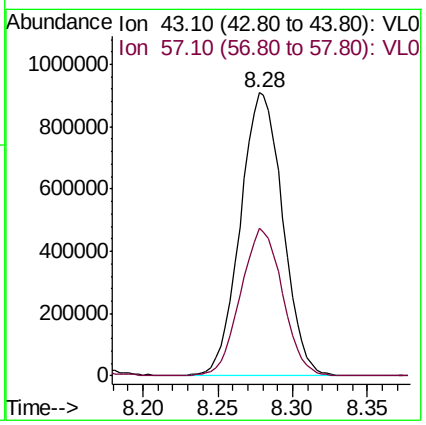
Instrument :
MSVOA_L
ClientSampleId :

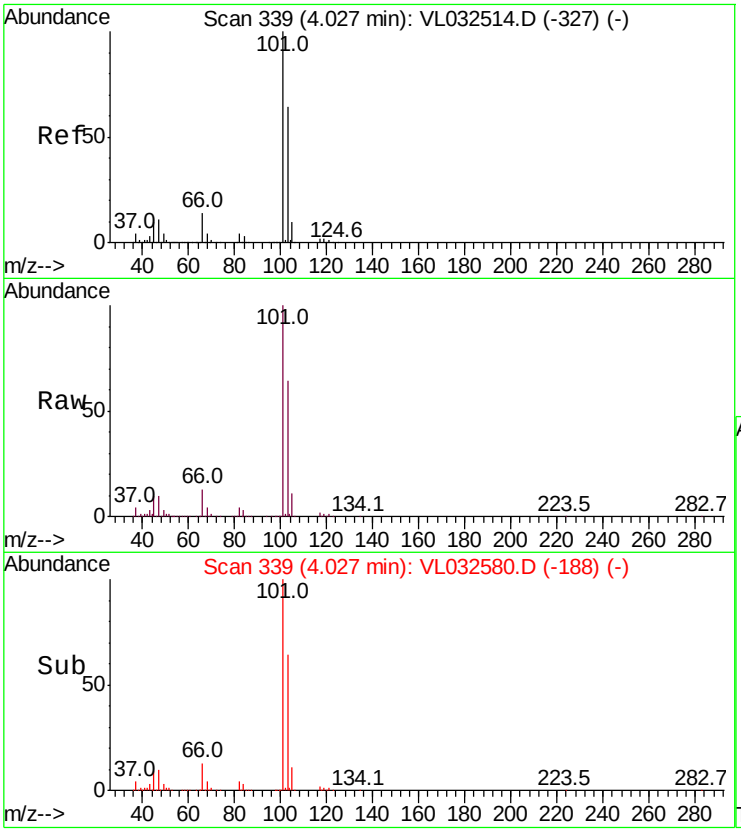


#10
Heptane
Concen: 9.986 ppbv
RT: 8.28 min Scan# 1661
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 43 Resp: 1783640

Ion	Ratio	Lower	Upper
43	100		
57	51.9	39.6	59.4



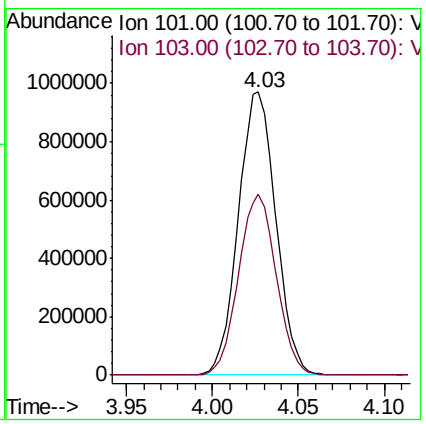


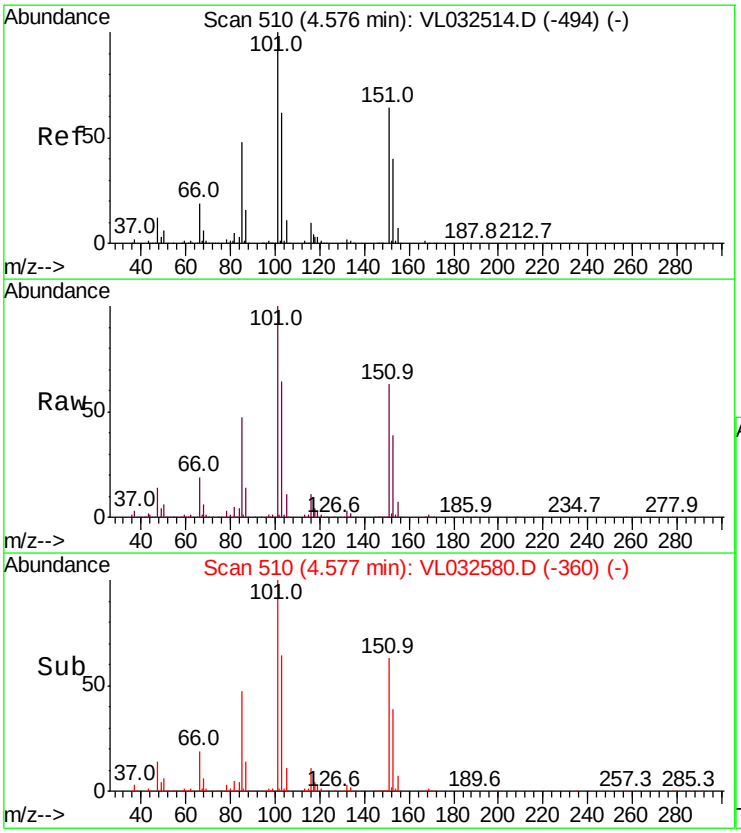
#11
Trichlorofluoromethane
Concen: 9.936 ppbv
RT: 4.03 min Scan# 339
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1474512

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

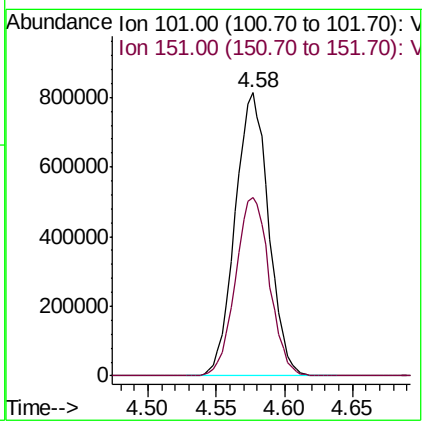


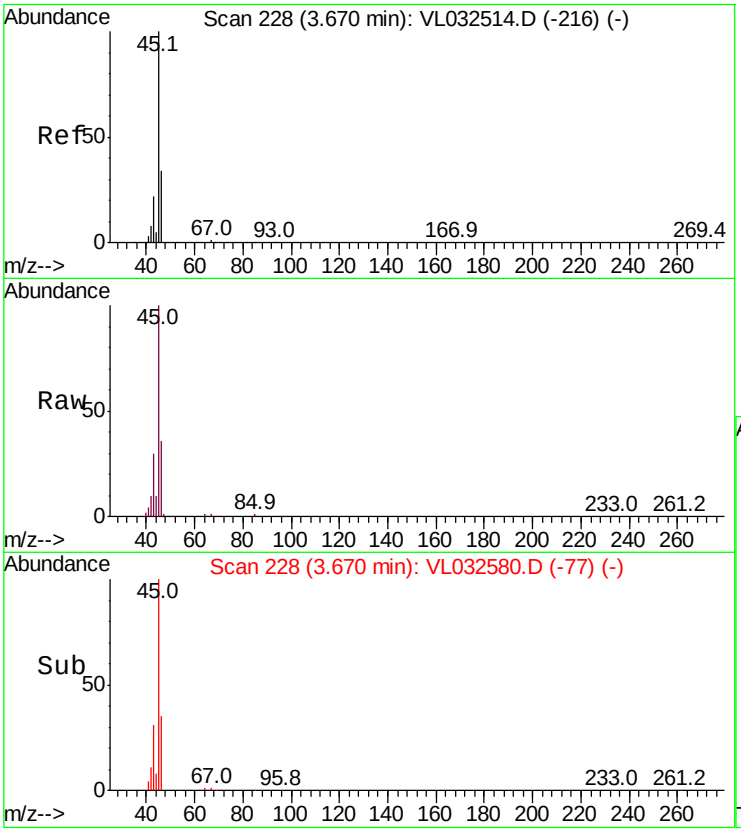


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.470 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:101 Resp: 1391347

Ion	Ratio	Lower	Upper
101	100		
151	63.6	52.6	78.8



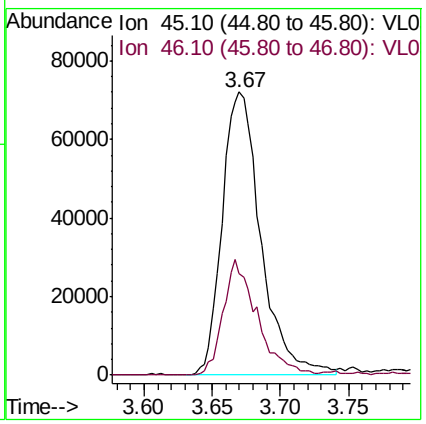


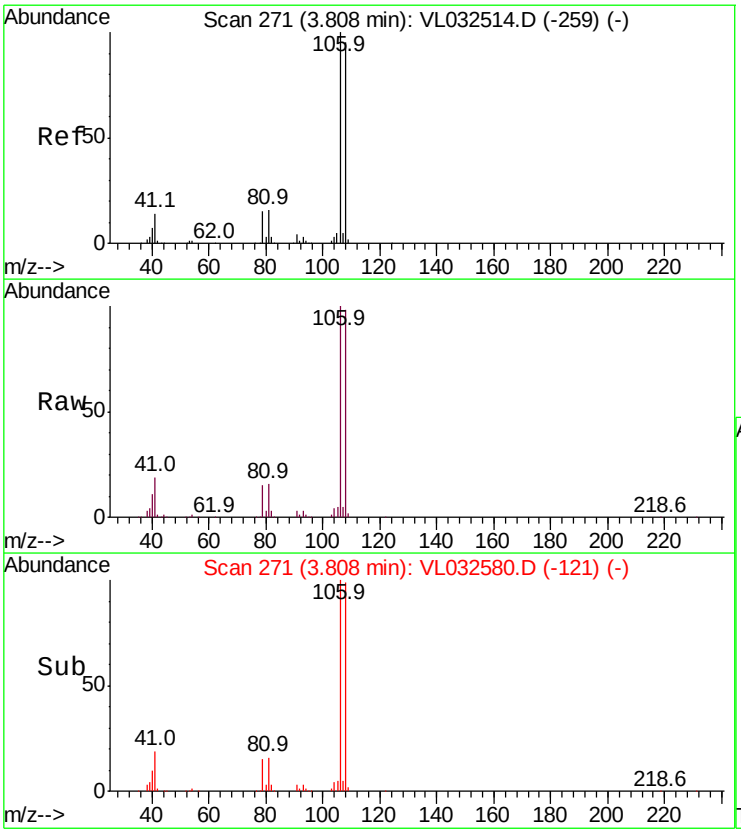
#13
Ethanol
Concen: 9.698 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 141947

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.2	56.8

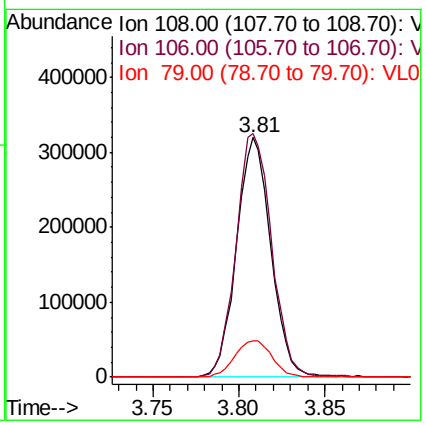


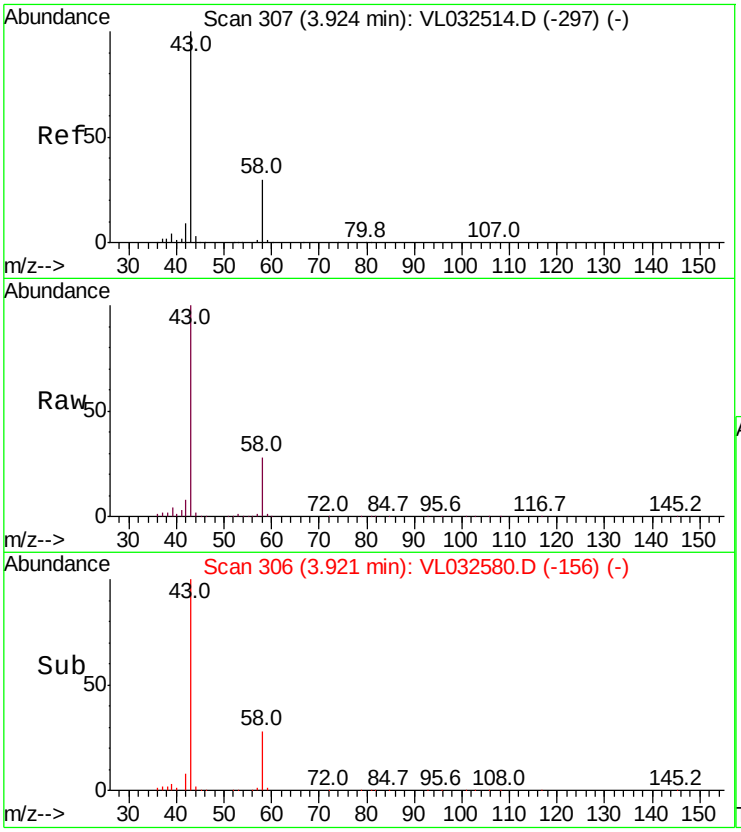


#14
Bromoethene
Concen: 10.282 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:108 Resp: 442585

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.5	128.3
79	16.6	13.0	19.6



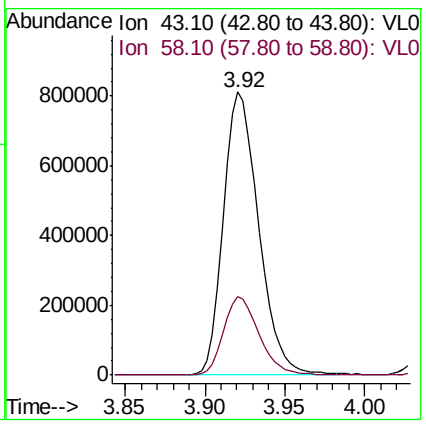


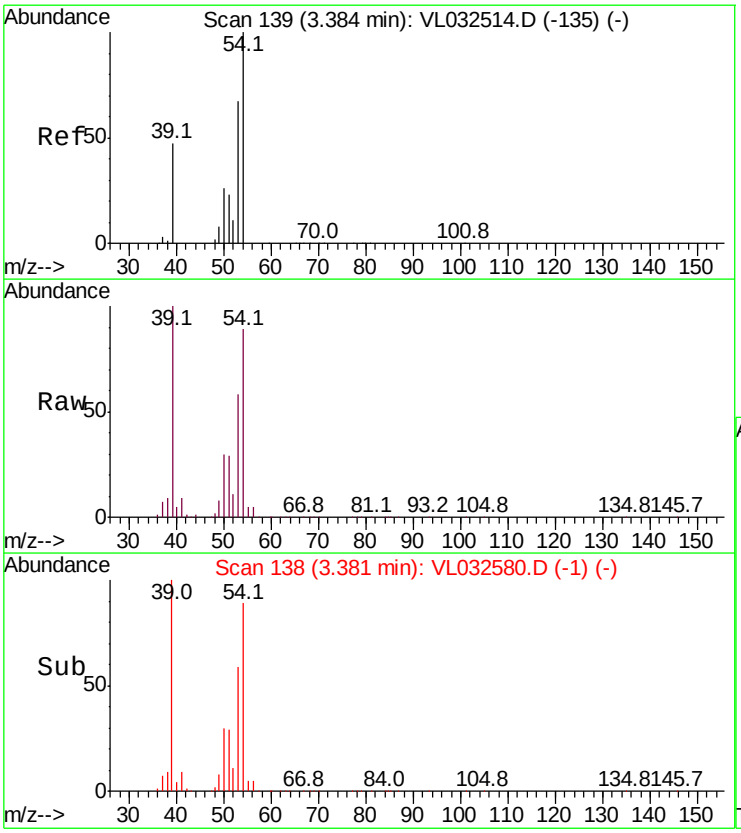
#15
Acetone
Concen: 10.280 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1217878

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	33.8

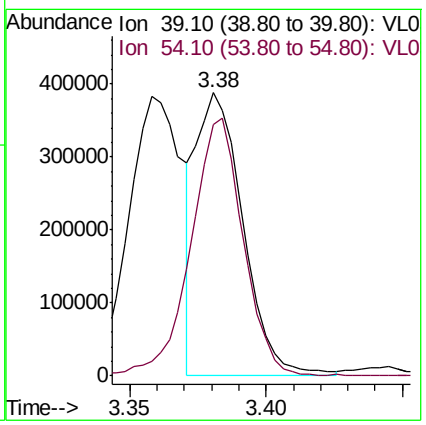


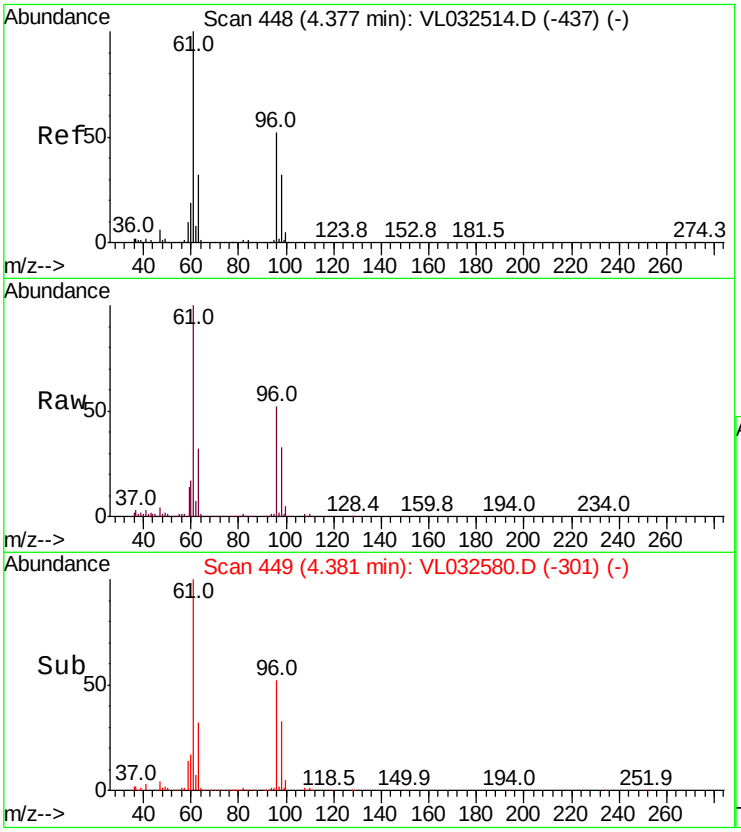


#16
1,3-Butadiene
Concen: 9.567 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 39 Resp: 459639

Ion	Ratio	Lower	Upper
39	100		
54	102.9	80.8	121.2



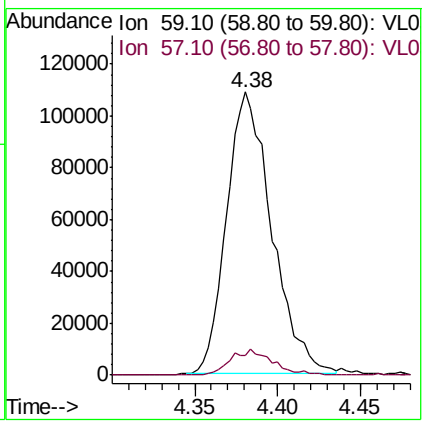


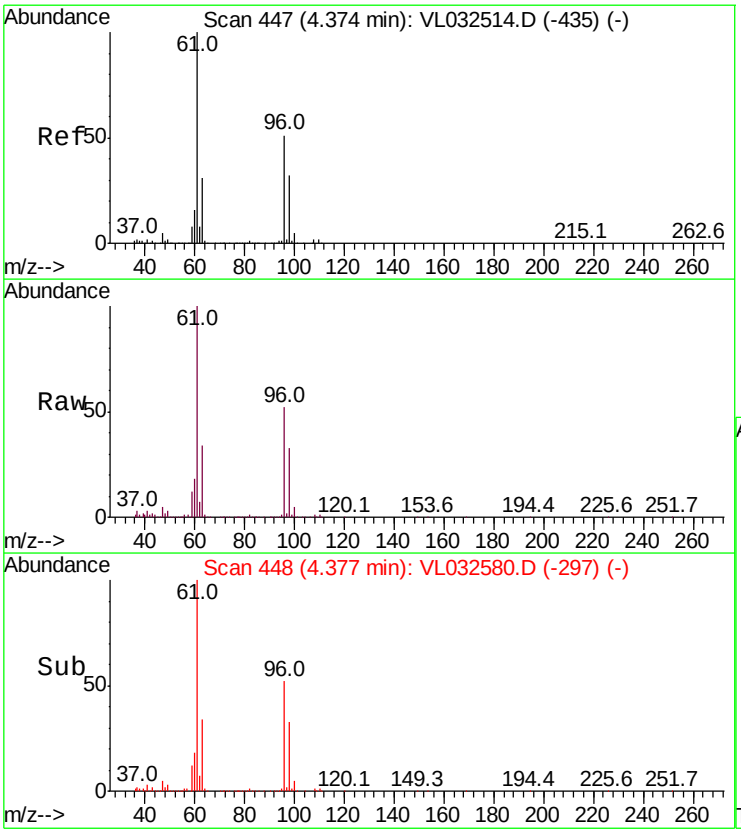
#17
tert-Butyl alcohol
Concen: 13.814 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 205642

Ion	Ratio	Lower	Upper
59	100		
57	8.8	0.0	0.0#

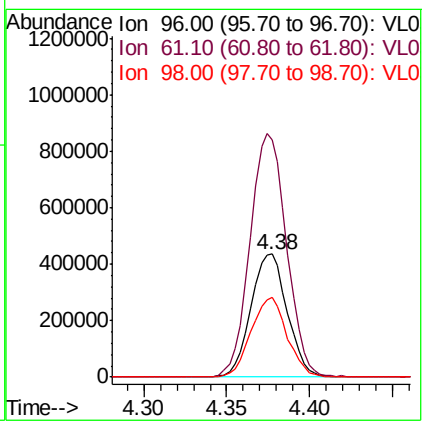


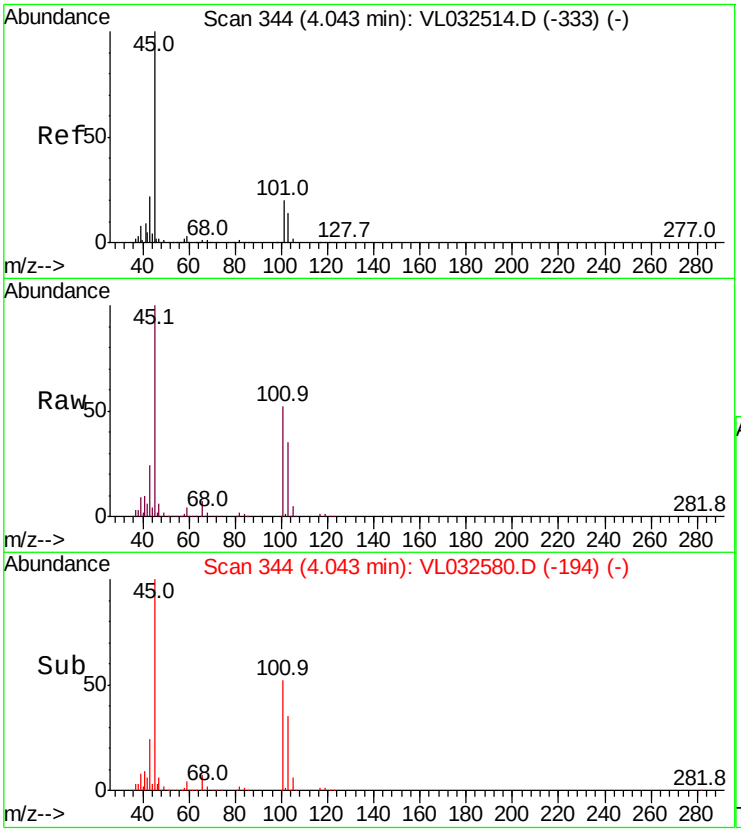


#18
1,1-Dichloroethene
Concen: 11.649 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 96 Resp: 661758

Ion	Ratio	Lower	Upper
96	100		
61	193.0	159.2	238.8
98	64.5	51.0	76.4



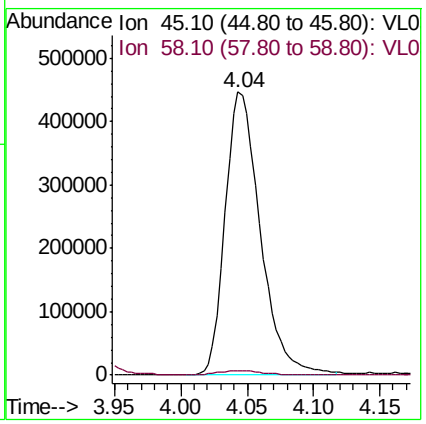


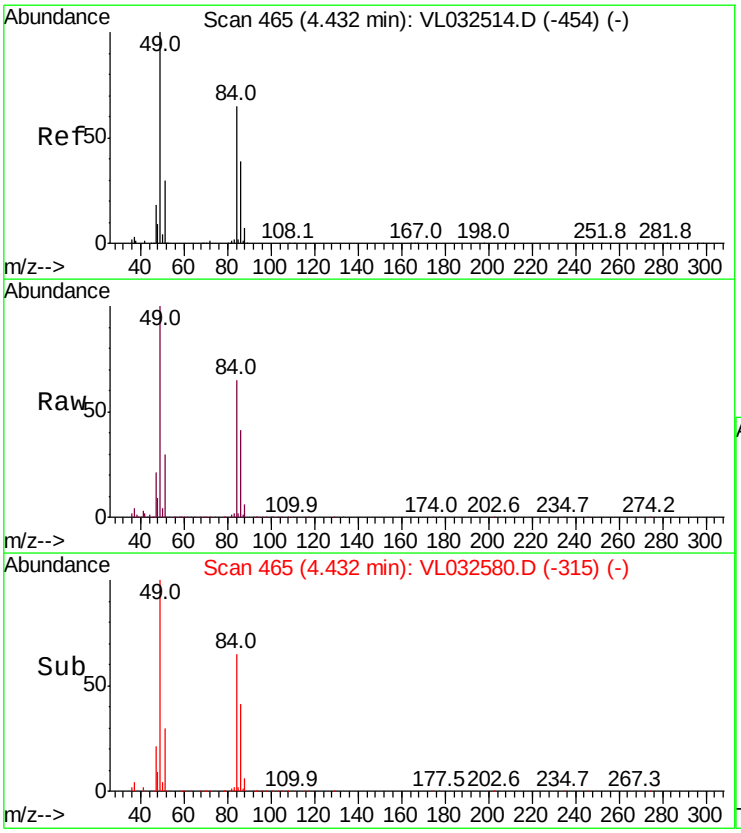
#19
Isopropyl Alcohol
Concen: 9.942 ppbv
RT: 4.04 min Scan# 344
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 820401

Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.0	3.0

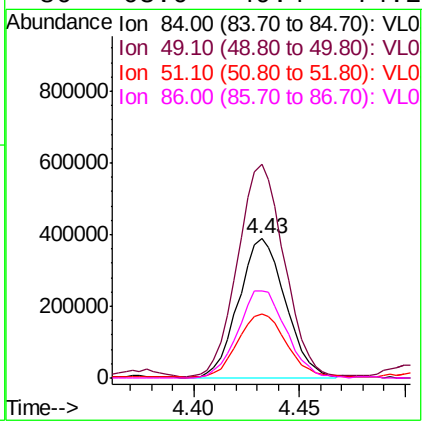


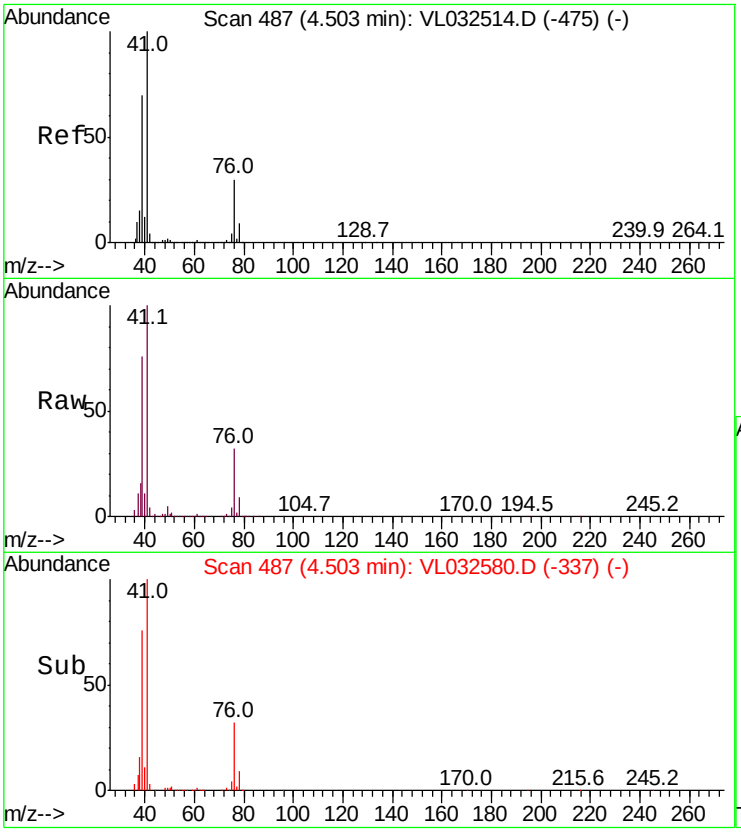


#20
Methylene Chloride
Concen: 10.388 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 84 Resp: 595962

Ion	Ratio	Lower	Upper
84	100		
49	153.0	119.1	178.7
51	45.8	35.2	52.8
86	63.0	49.4	74.2



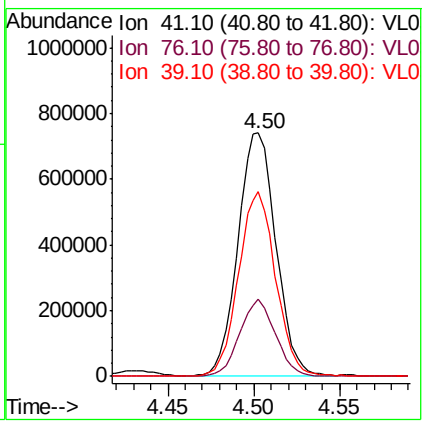


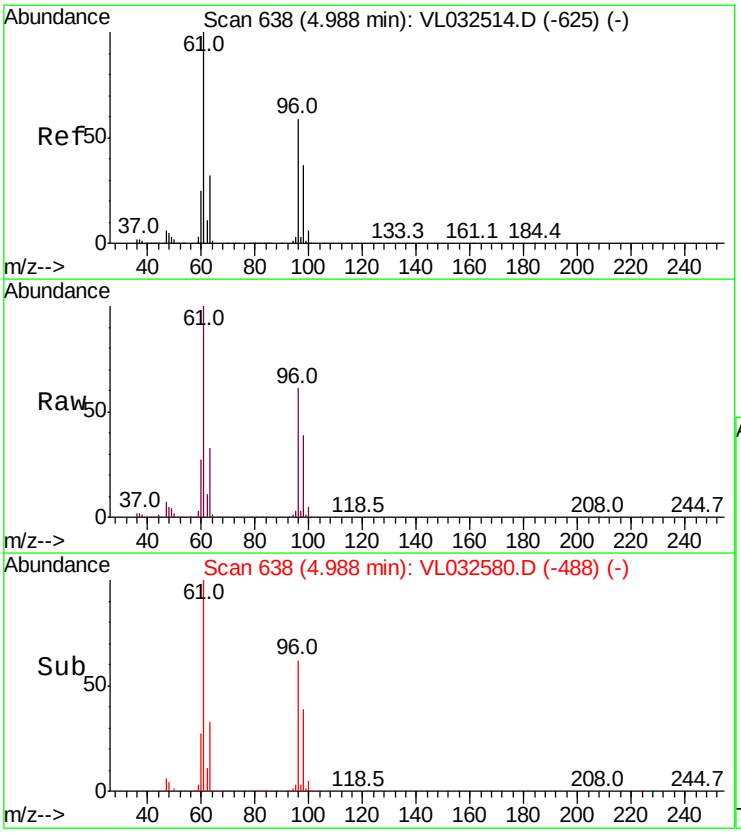
#21
Allvl Chloride
Concen: 11.753 ppbv
RT: 4.50 min Scan# 487
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1137972

Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.6	35.4
39	74.1	57.7	86.5

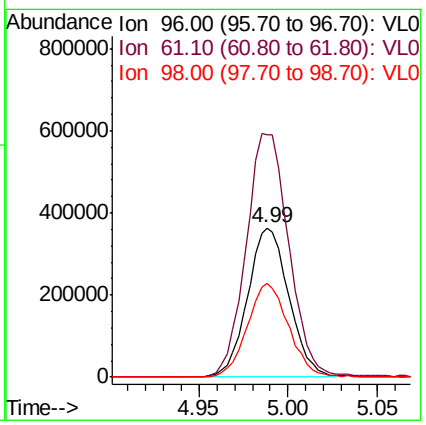


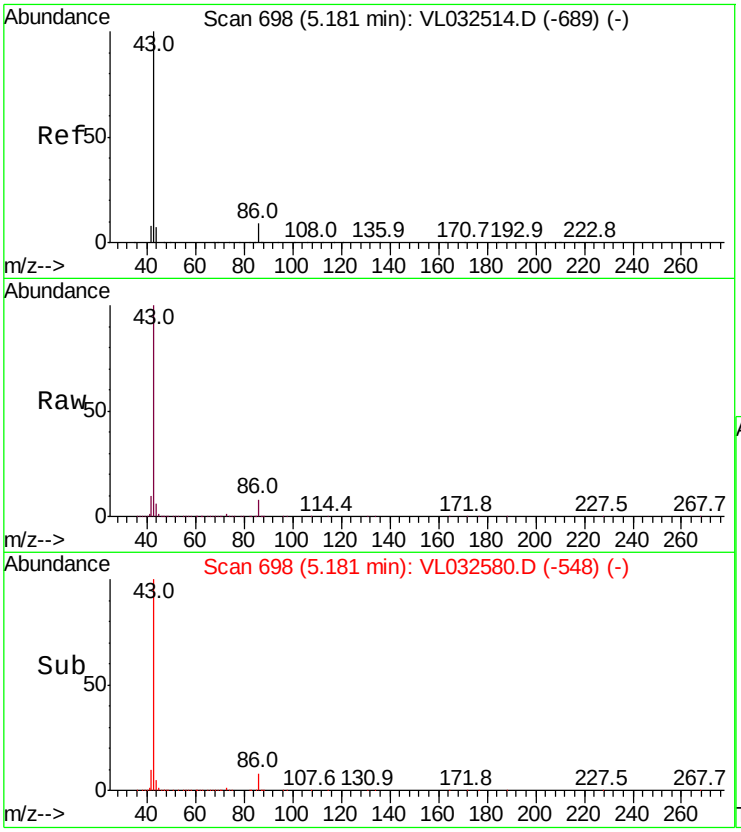


#22
trans-1,2-Dichloroethene
Concen: 10.998 ppbv
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 96 Resp: 588865

Ion	Ratio	Lower	Upper
96	100		
61	162.7	136.2	204.4
98	63.1	50.4	75.6



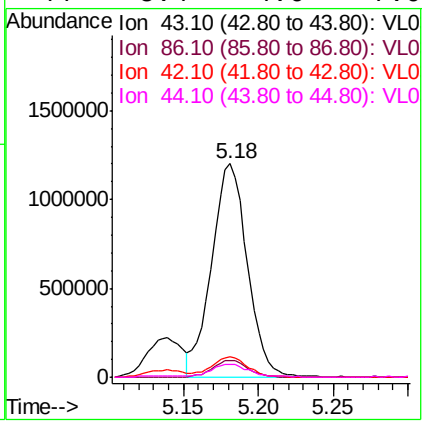


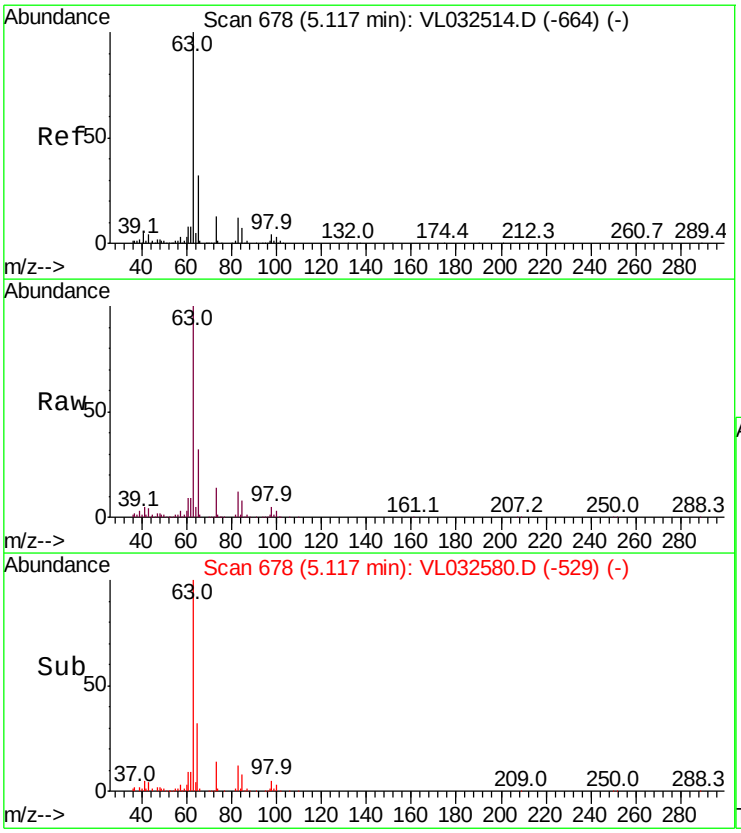
#23
Vinyl Acetate
Concen: 9.505 ppbv
RT: 5.18 min Scan# 698
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1989839

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9
42	9.6	6.9	10.3
44	5.4	4.6	7.0

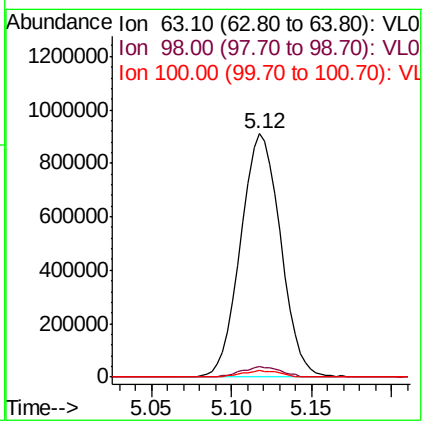


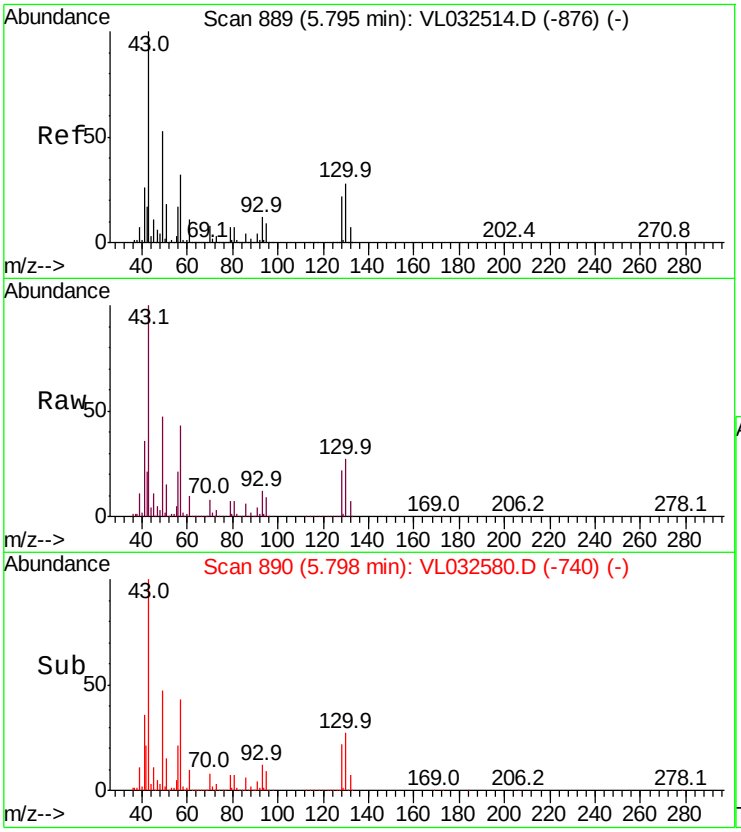


#24
1,1-Dichloroethane
Concen: 8.879 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 63 Resp: 1547832

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.6	1.5	4.4



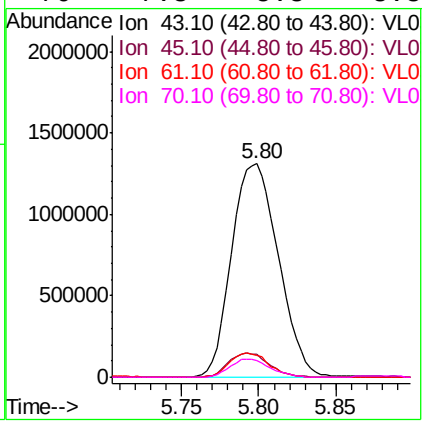


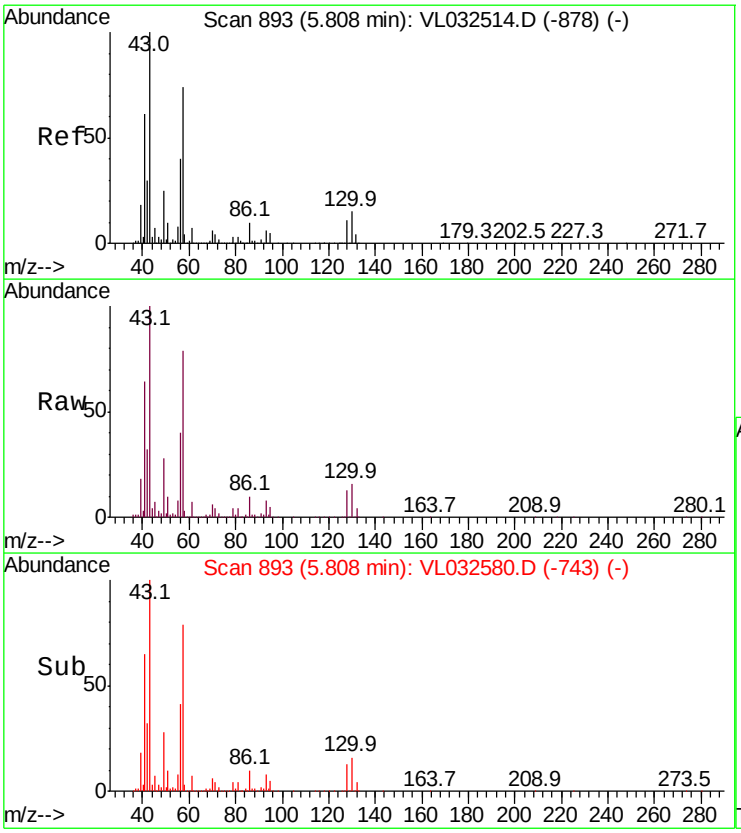
#25
Ethyl Acetate
Concen: 9.572 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2751696

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.9	7.6	11.4
70	7.3	5.8	8.8

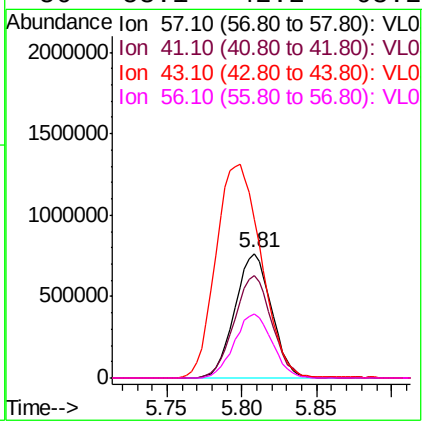


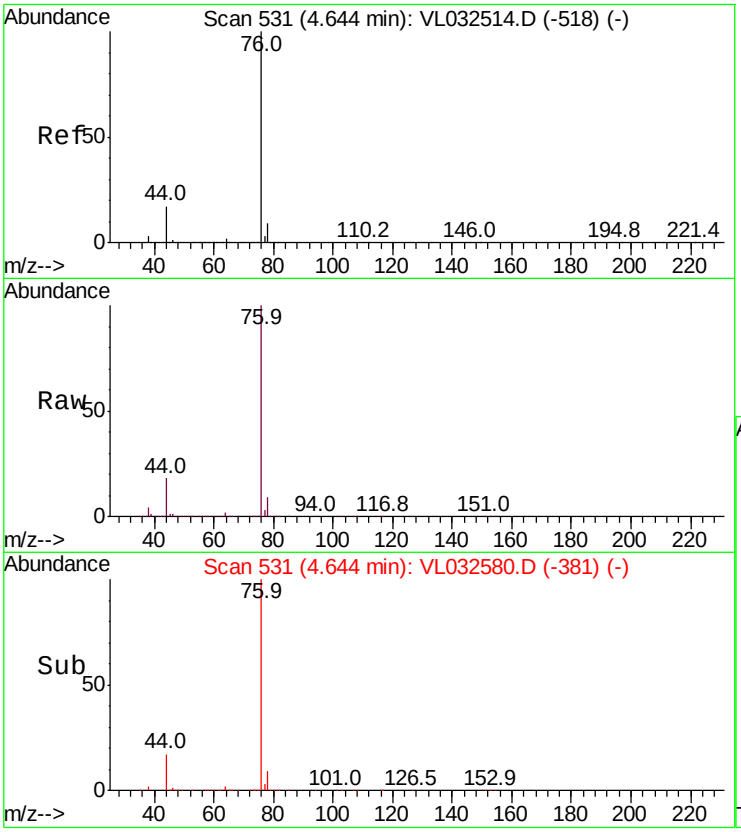


#26
Hexane
Concen: 10.014 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 57 Resp: 1300230

Ion	Ratio	Lower	Upper
57	100		
41	85.4	69.0	103.4
43	212.6	172.1	258.1
56	53.1	42.2	63.2



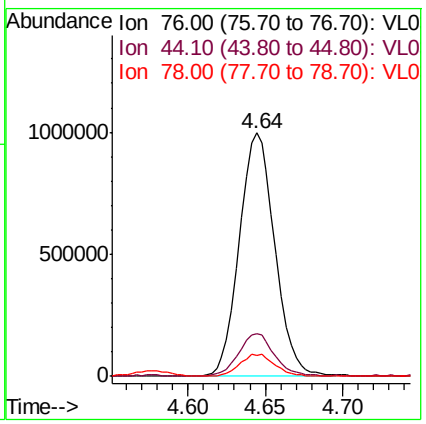


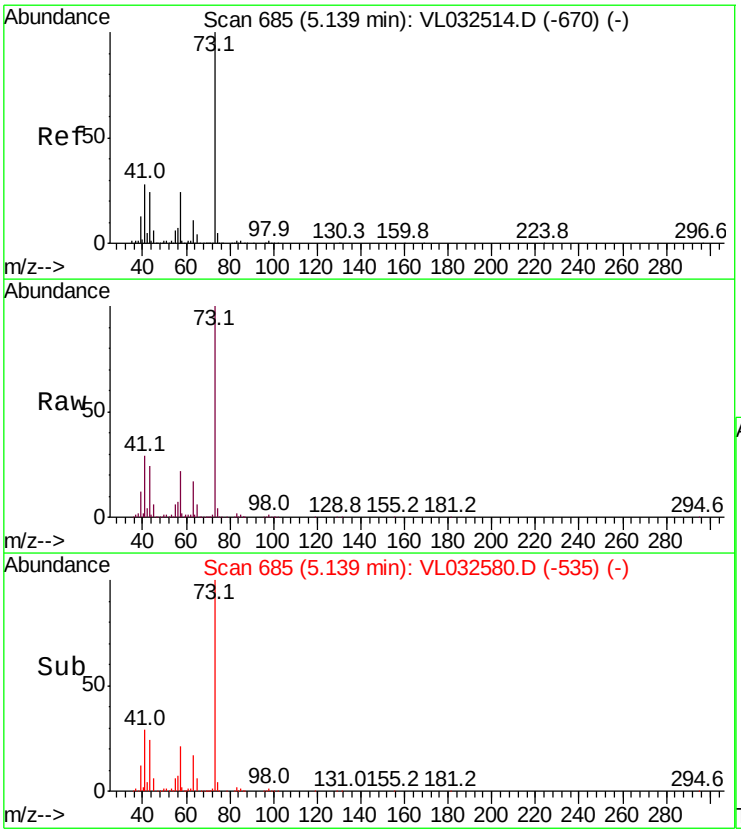
#27
Carbon Disulfide
Concen: 11.413 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1593152

Ion	Ratio	Lower	Upper
76	100		
44	17.2	14.0	21.0
78	8.9	7.5	11.3

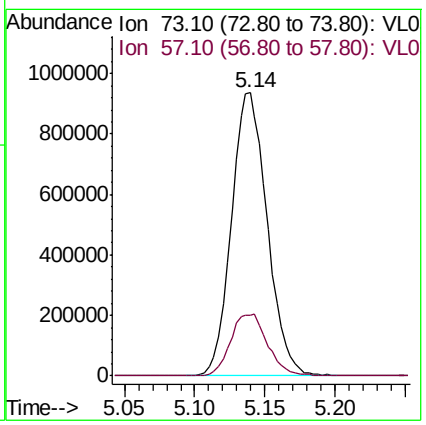


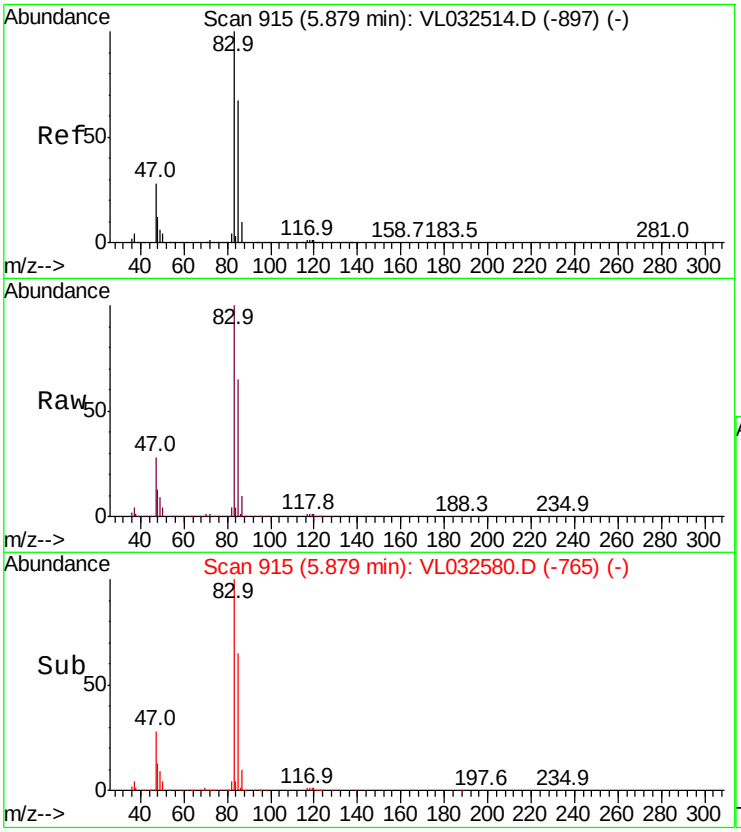


#28
Methyl tert-Butyl Ether
Concen: 10.265 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 73 Resp: 1660386

Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.3	28.9



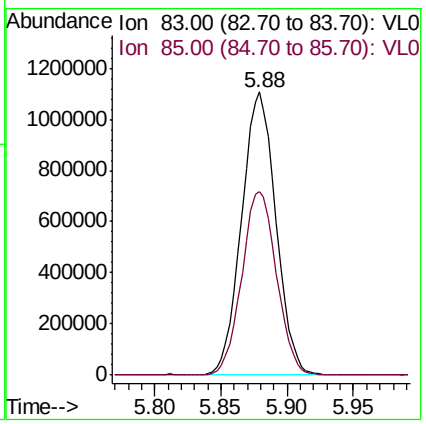


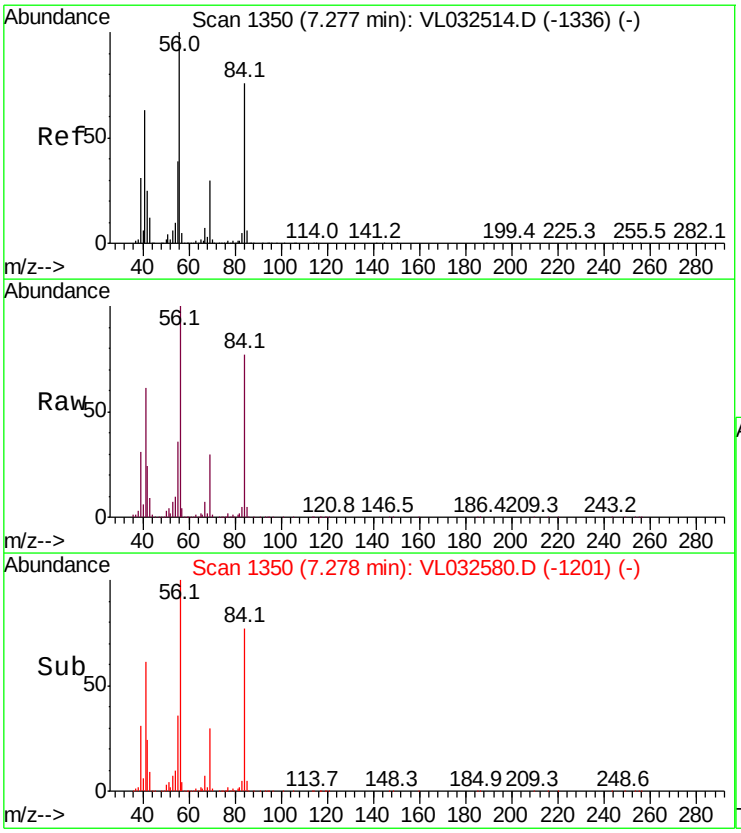
#29
Chloroform
Concen: 10.002 ppbv
RT: 5.88 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1992711

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.5	78.7

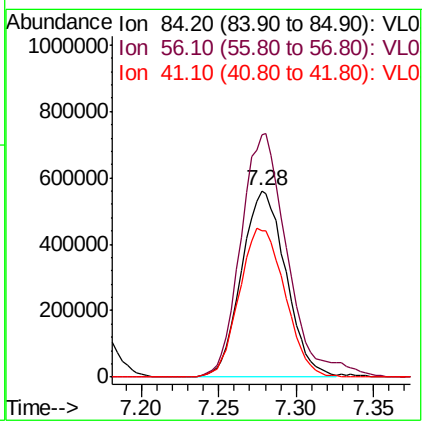


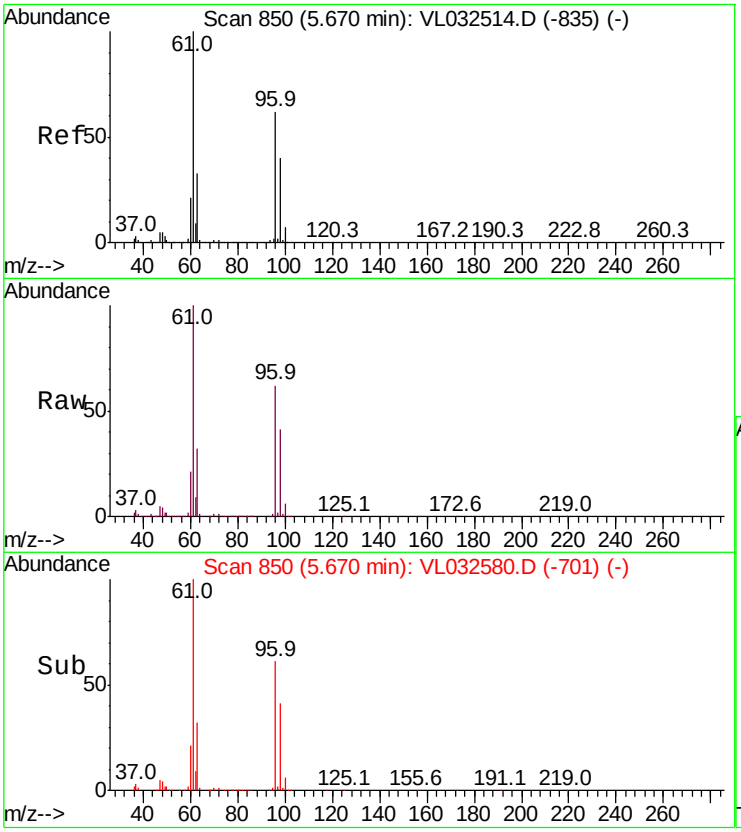


#30
Cyclohexane
Concen: 10.588 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 84 Resp: 1119426

Ion	Ratio	Lower	Upper
84	100		
56	137.4	113.5	170.3
41	82.4	68.1	102.1



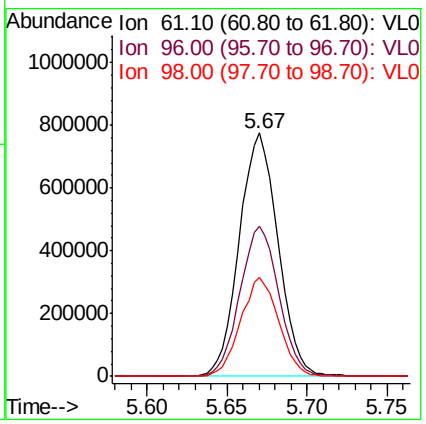


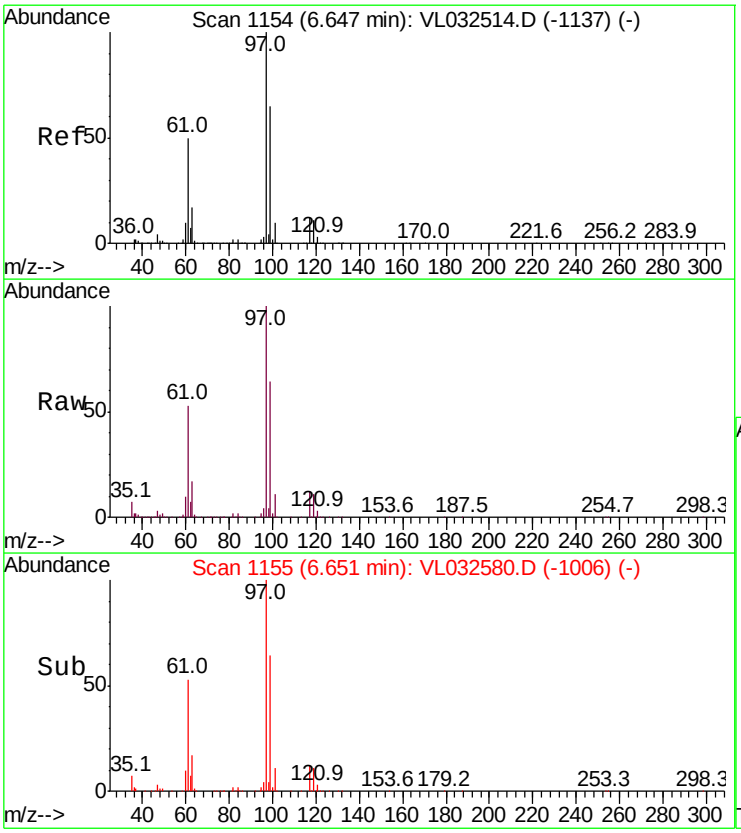
#31
cis-1,2-Dichloroethene
Concen: 10.363 ppbv
RT: 5.67 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1281545

Ion	Ratio	Lower	Upper
61	100		
96	61.5	49.2	73.8
98	40.6	30.7	46.1

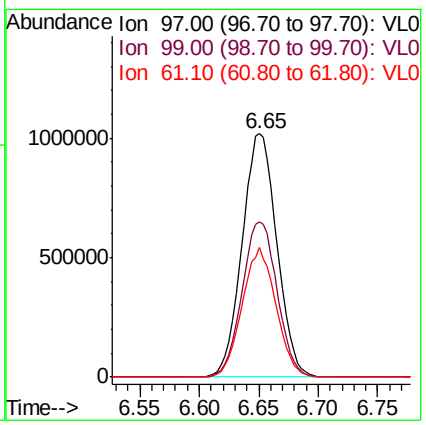


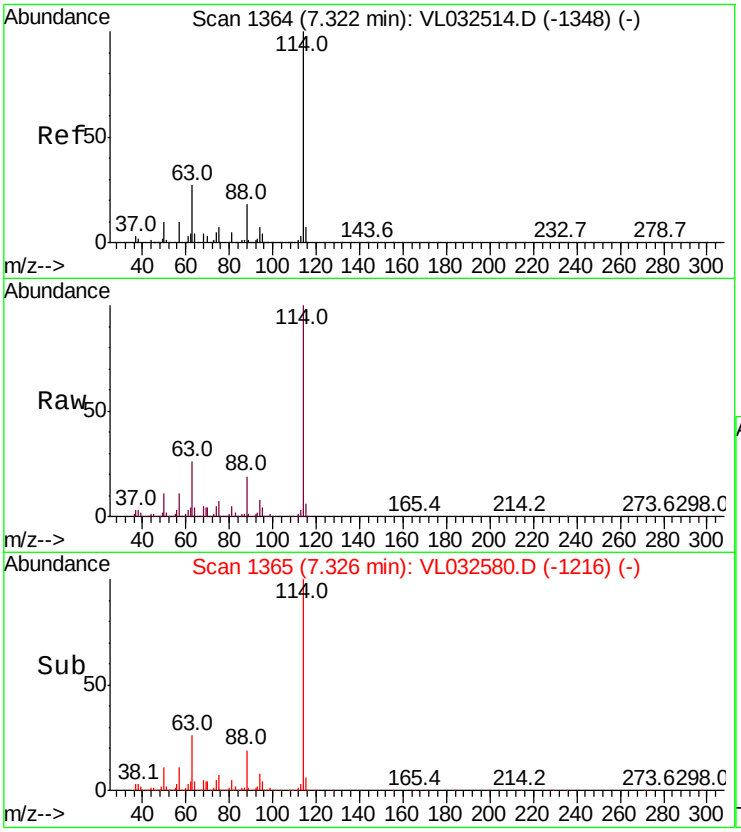


#32
1,1,1-Trichloroethane
Concen: 9.700 ppbv
RT: 6.65 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 97 Resp: 2059458

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	51.6	42.5	63.7



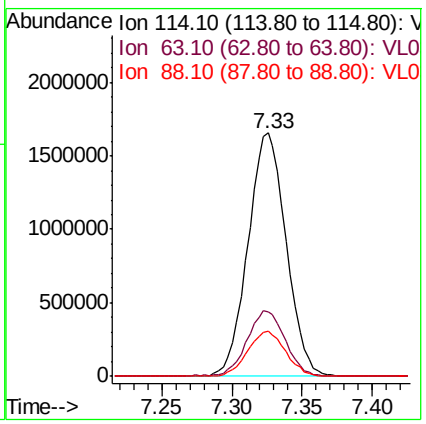


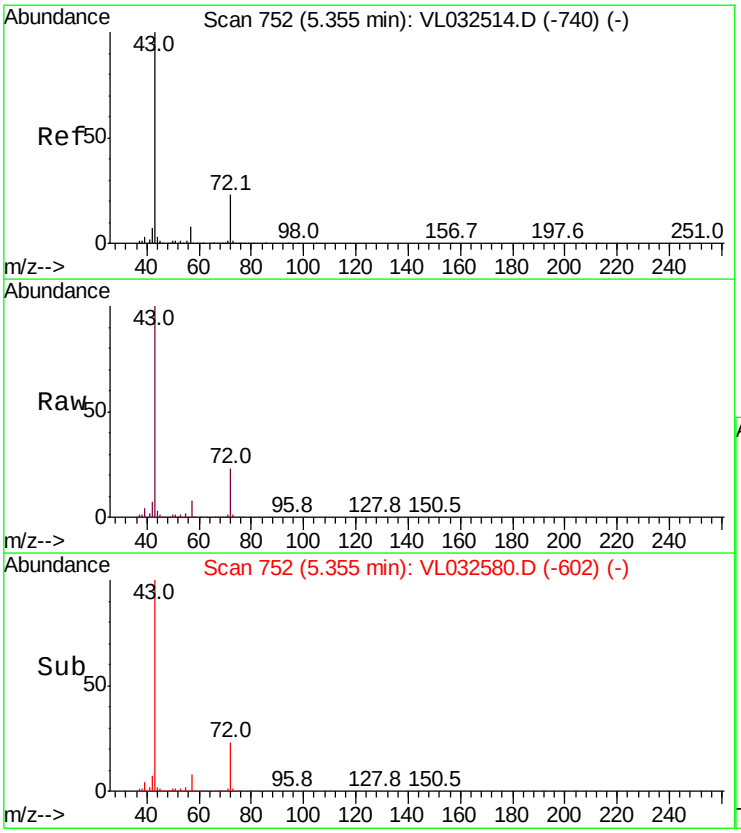
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.33 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3124931

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.5	15.0	22.4

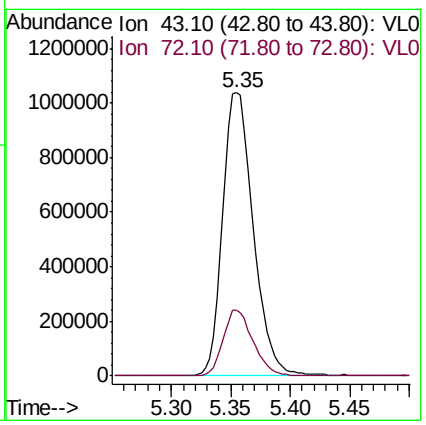


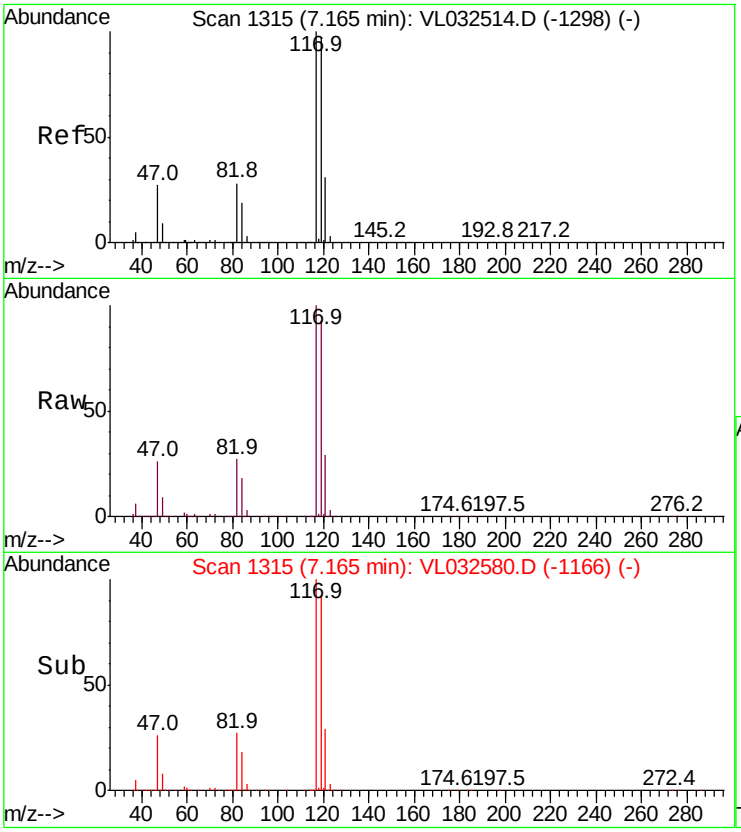


#34
2-Butanone
Concen: 9.938 ppbv
RT: 5.35 min Scan# 752
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 43 Resp: 1849266

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6



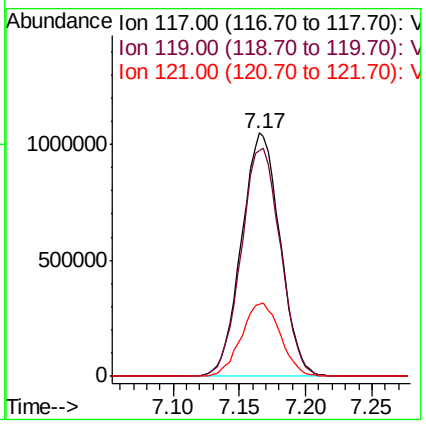


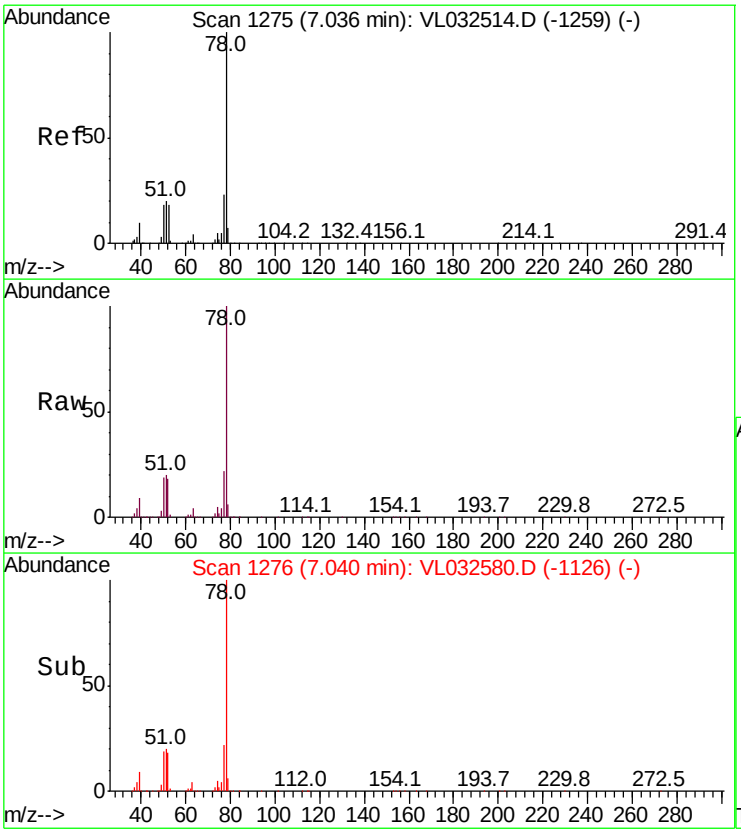
#35
Carbon Tetrachloride
Concen: 9.809 ppbv
RT: 7.17 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2129859

Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.6	115.0
121	29.4	24.6	36.8

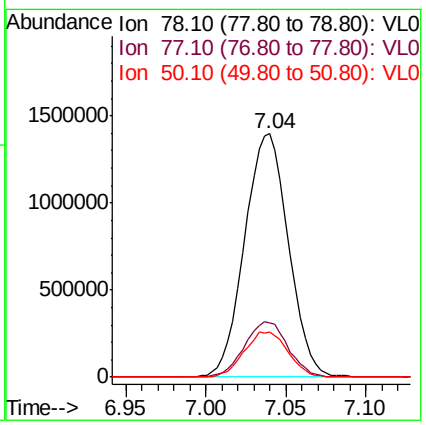


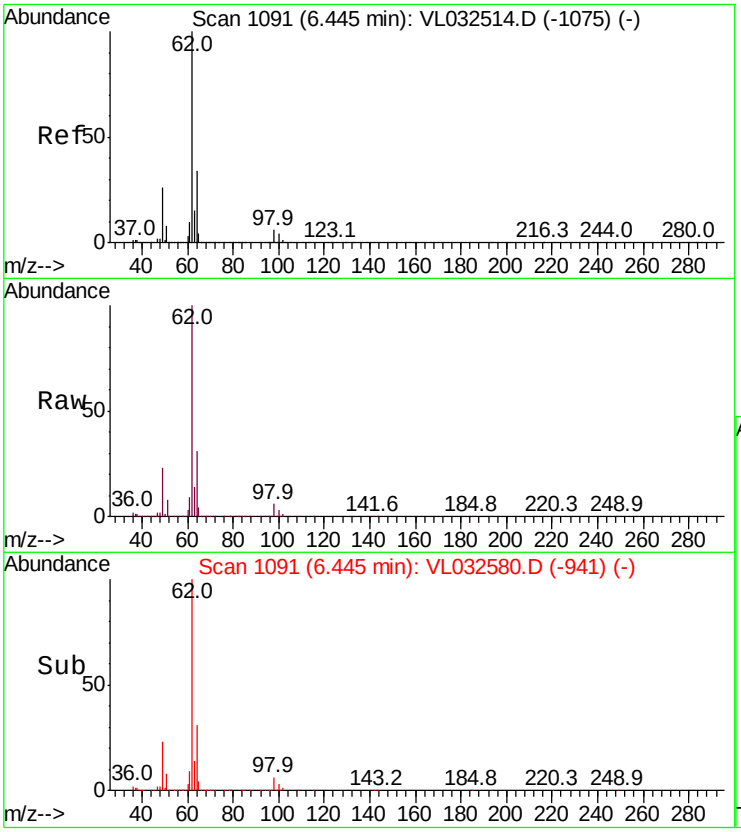


#36
Benzene
Concen: 10.382 ppbv
RT: 7.04 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 78 Resp: 2621859

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	18.6	14.4	21.6

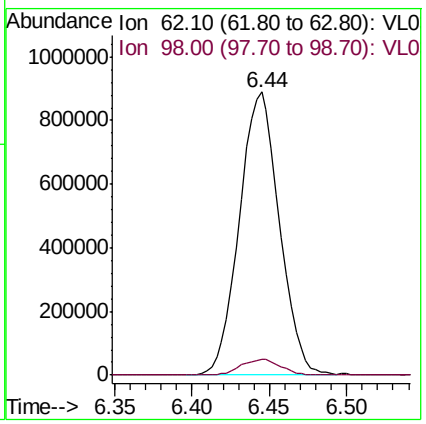




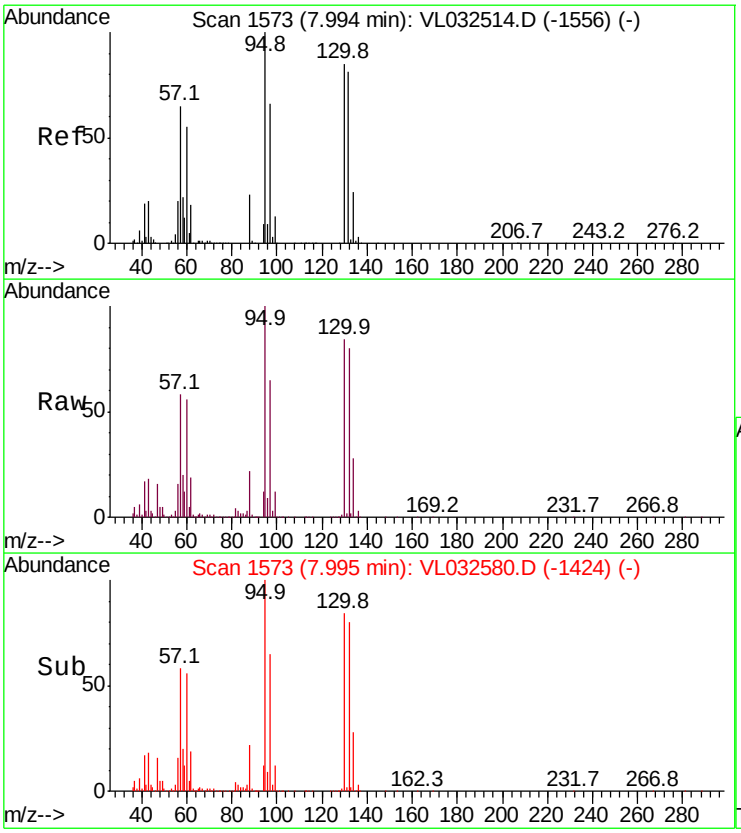
#37
1,2-Dichloroethane
Concen: 10.531 ppbv
RT: 6.44 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 62 Resp: 1602792

Ion	Ratio	Lower	Upper
62	100		
98	5.6	5.0	7.6



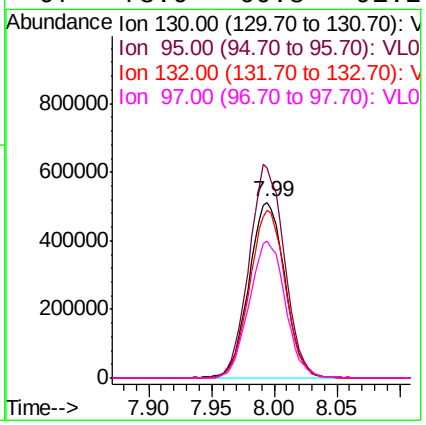
Instrument :
MSVOA_L
ClientSampleId :

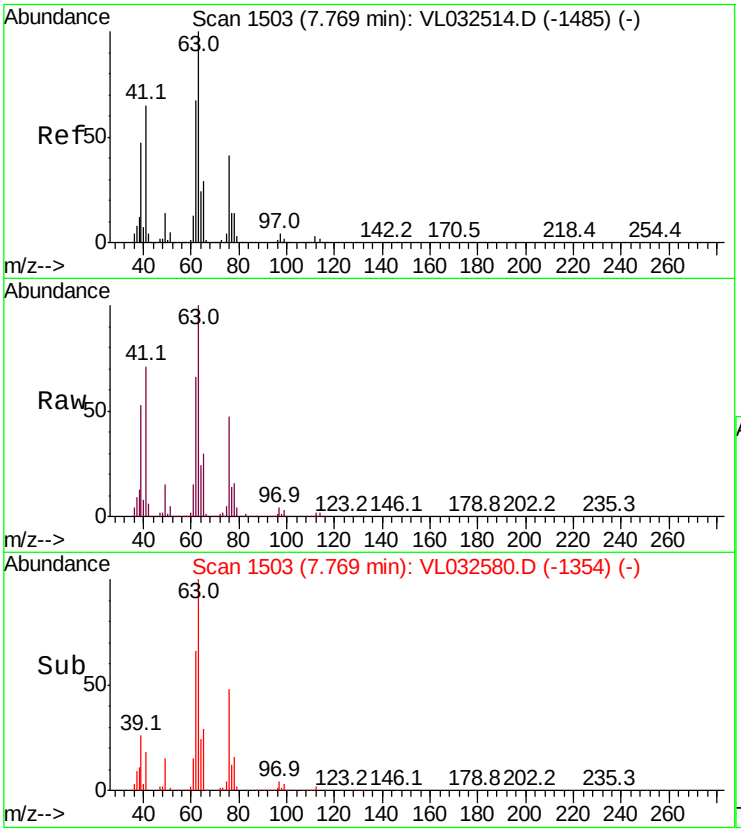


#38
Trichloroethene
Concen: 10.542 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:130 Resp: 1019004

Ion	Ratio	Lower	Upper
130	100		
95	119.7	94.2	141.4
132	95.4	76.2	114.4
97	78.0	60.8	91.2



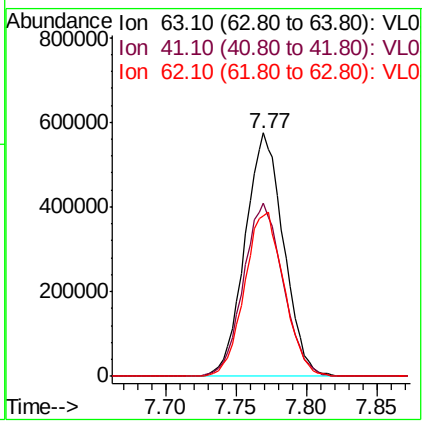


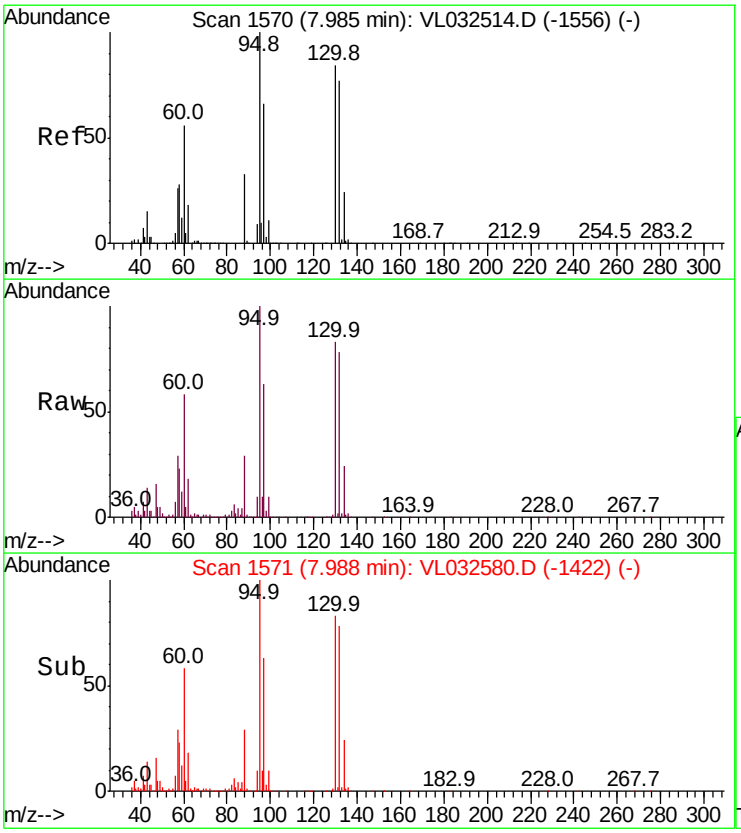
#39
1,2-Dichloropropane
Concen: 9.672 ppbv
RT: 7.77 min Scan# 1503
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1100755

Ion	Ratio	Lower	Upper
63	100		
41	70.8	55.4	83.0
62	65.6	55.4	83.0

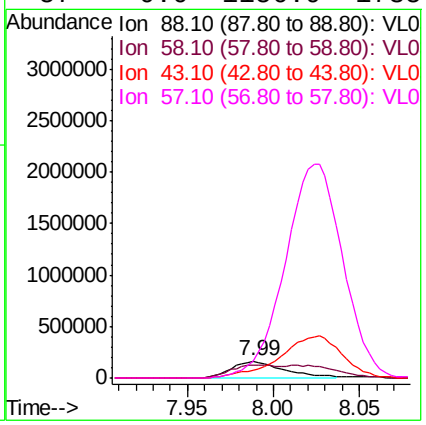


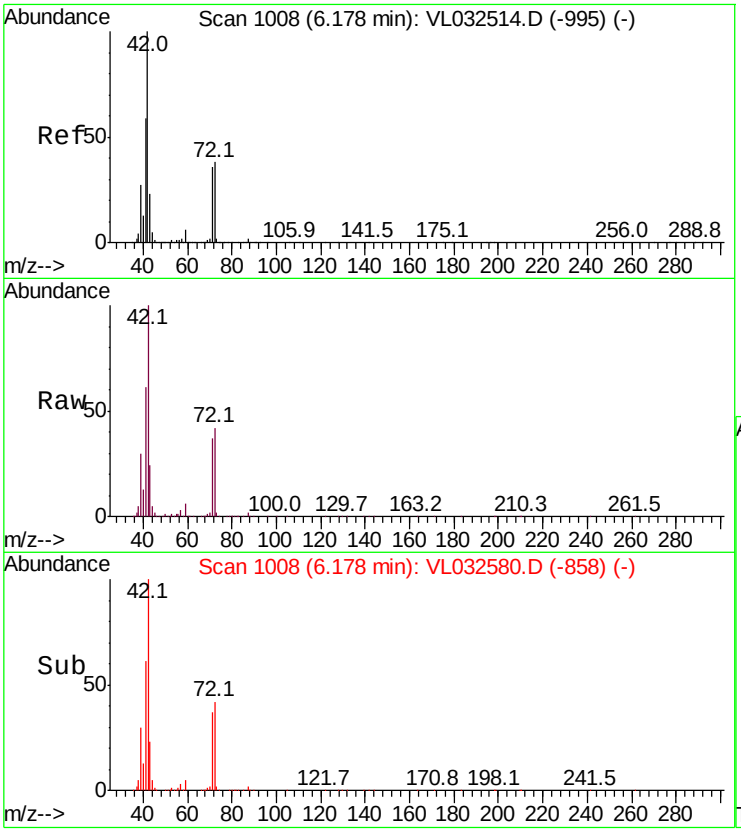


#40
1,4-Dioxane
Concen: 9.880 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 88 Resp: 344772

Ion	Ratio	Lower	Upper
88	100		
58	148.1	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#



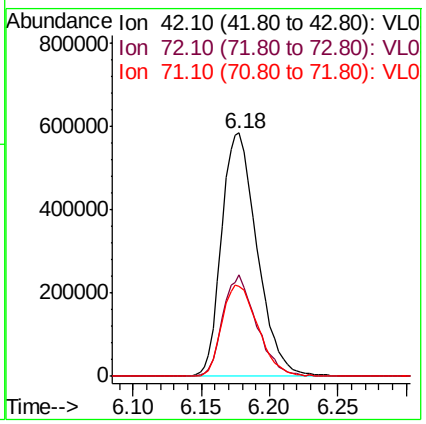


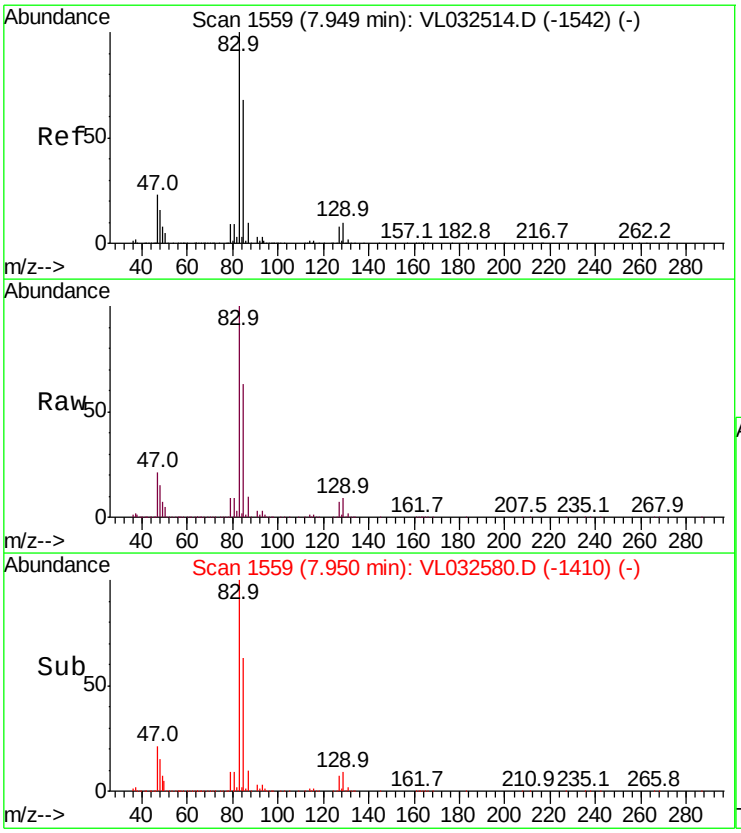
#41
Tetrahydrofuran
Concen: 10.482 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1059739

Ion	Ratio	Lower	Upper
42	100		
72	39.5	29.5	44.3
71	38.0	28.3	42.5

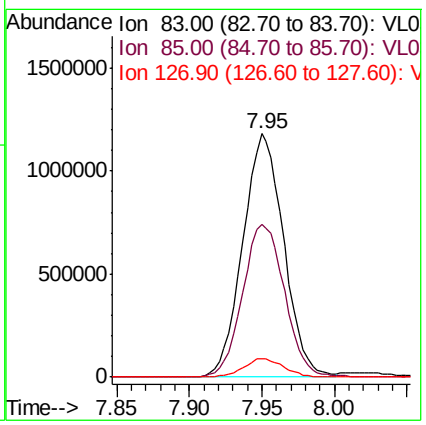


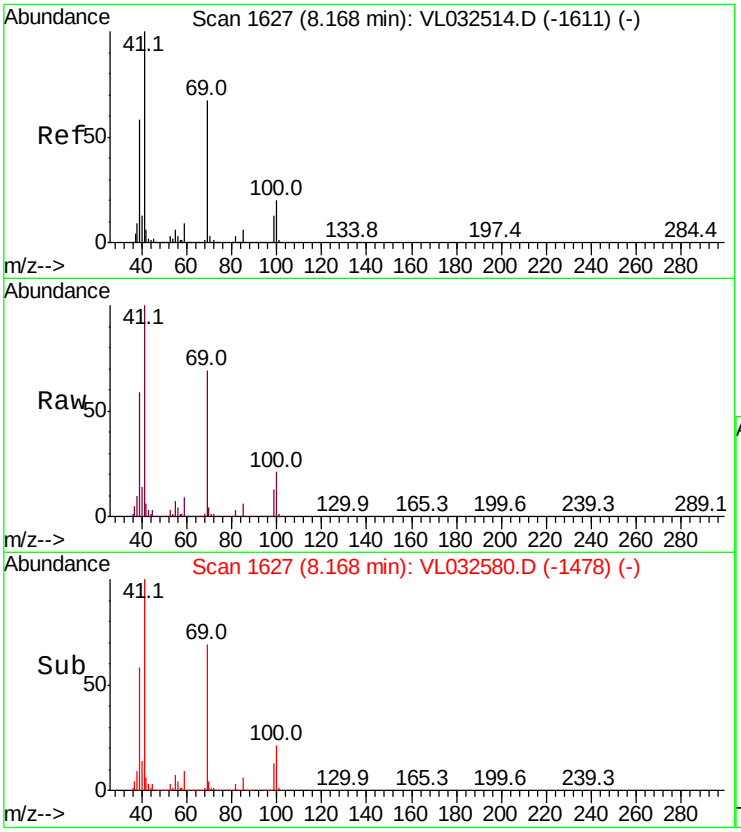


#42
Bromodichloromethane
Concen: 10.162 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 83 Resp: 2317200

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	7.4	5.8	8.8



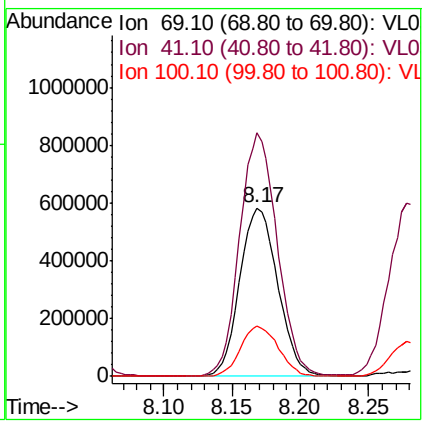


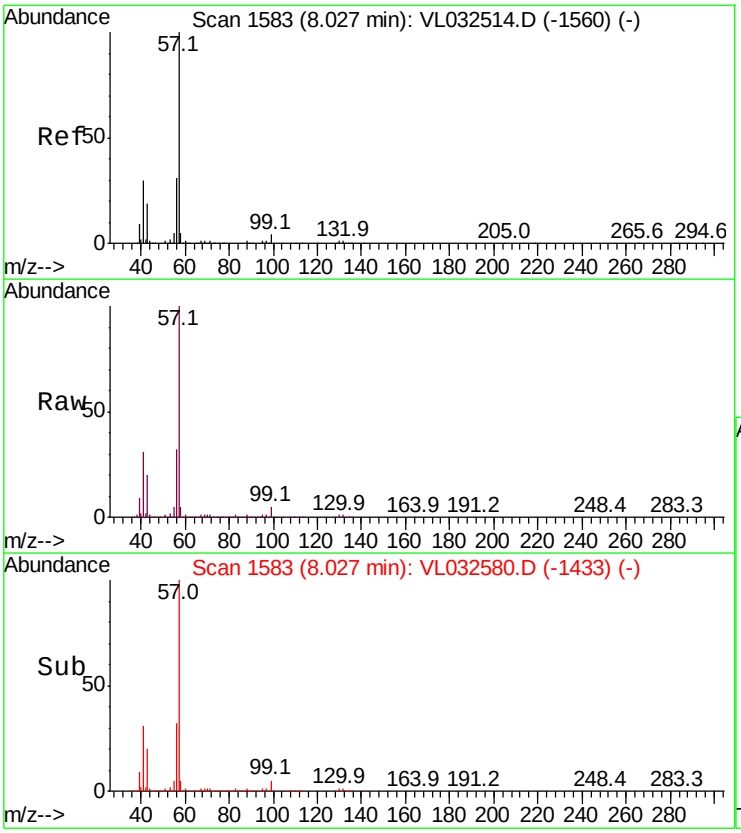
#43
Methyl Methacrylate
Concen: 10.708 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1129636

Ion	Ratio	Lower	Upper
69	100		
41	142.8	117.1	175.7
100	29.8	23.4	35.2

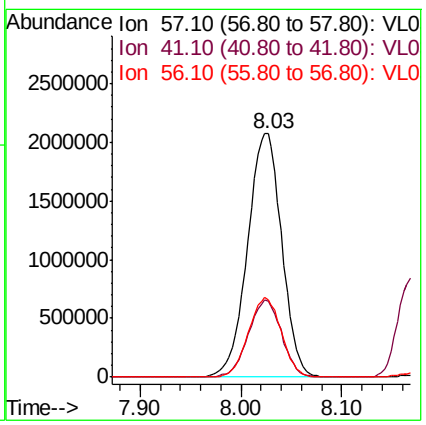


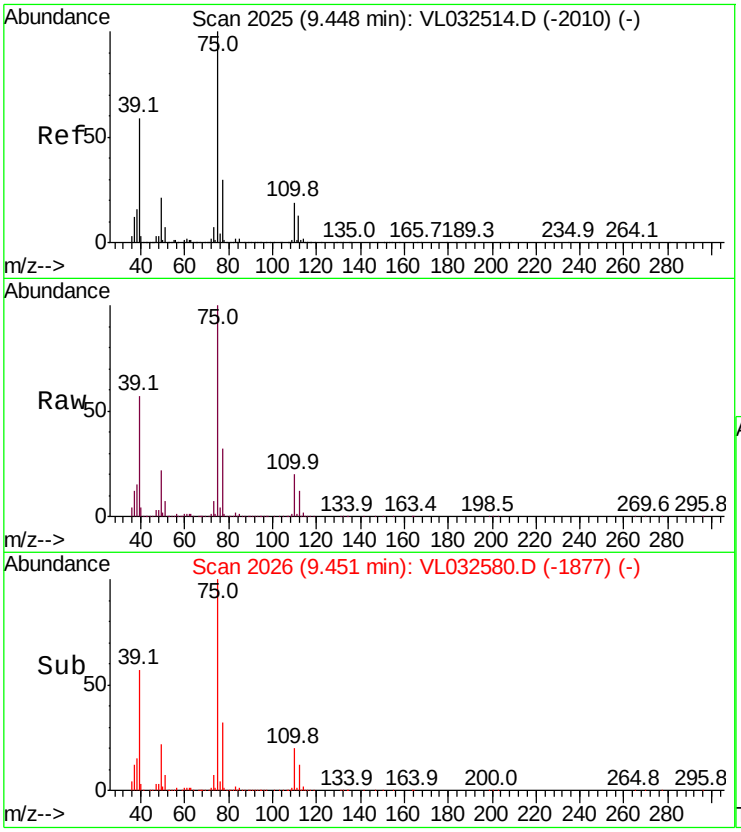


#44
2,2,4-Trimethylpentane
Concen: 9.865 ppbv
RT: 8.03 min Scan# 1583
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 57 Resp: 4868793

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.4	36.6
56	31.6	25.7	38.5



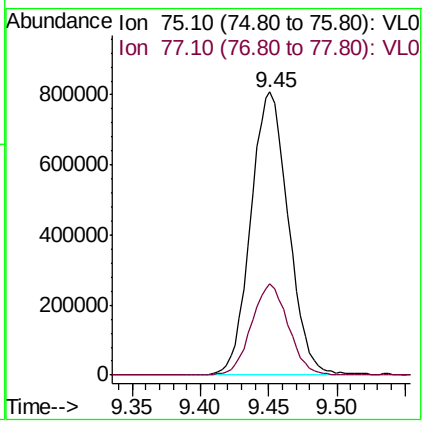


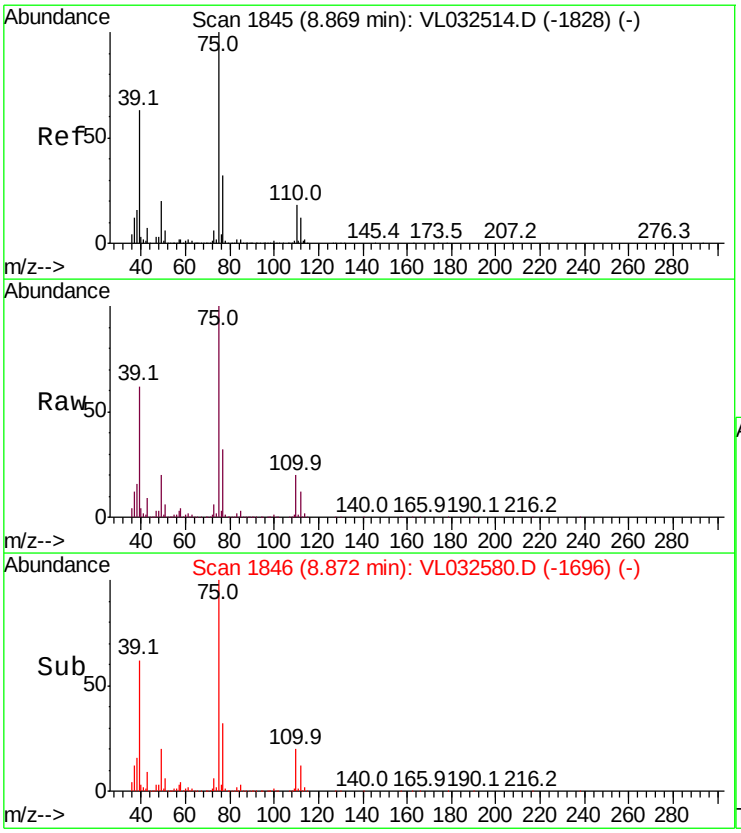
#45
t-1,3-Dichloropropene
Concen: 11.762 ppbv
RT: 9.45 min Scan# 2026
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1543490

Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.2

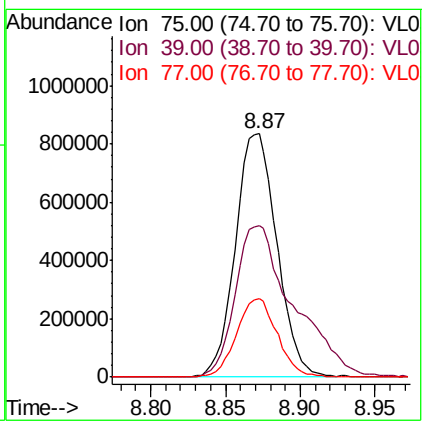


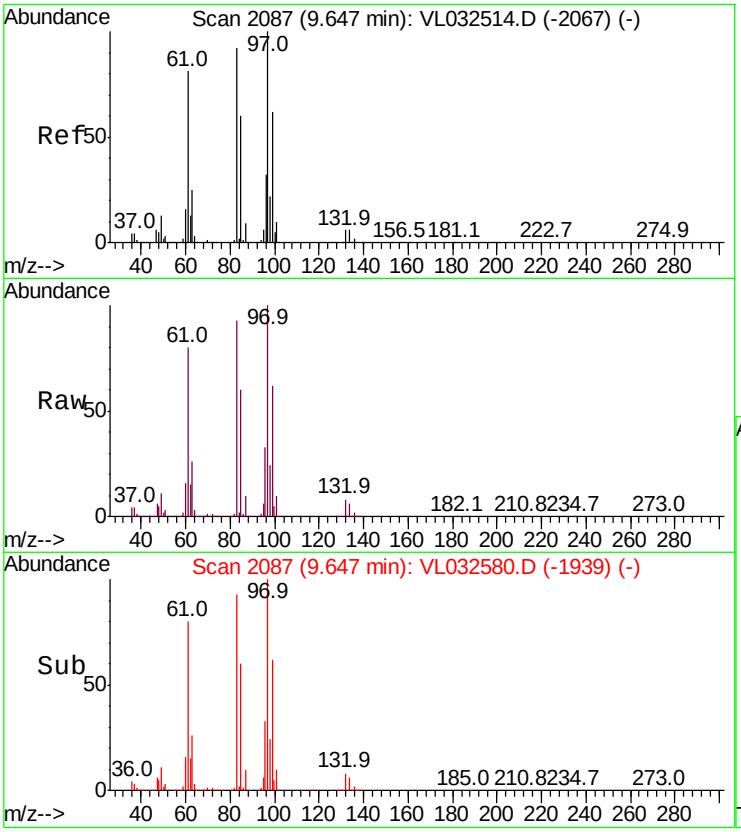


#46
cis-1,3-Dichloropropene
Concen: 10.460 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 75 Resp: 1610038

Ion	Ratio	Lower	Upper
75	100		
39	62.4	48.9	73.3
77	31.9	25.4	38.0



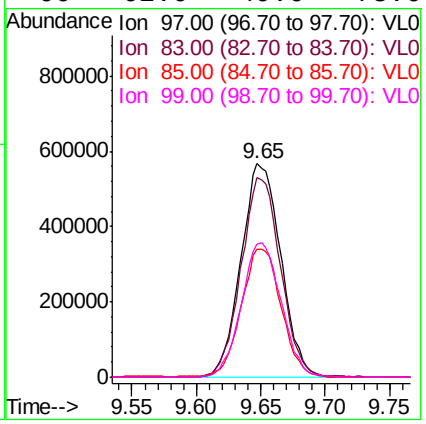


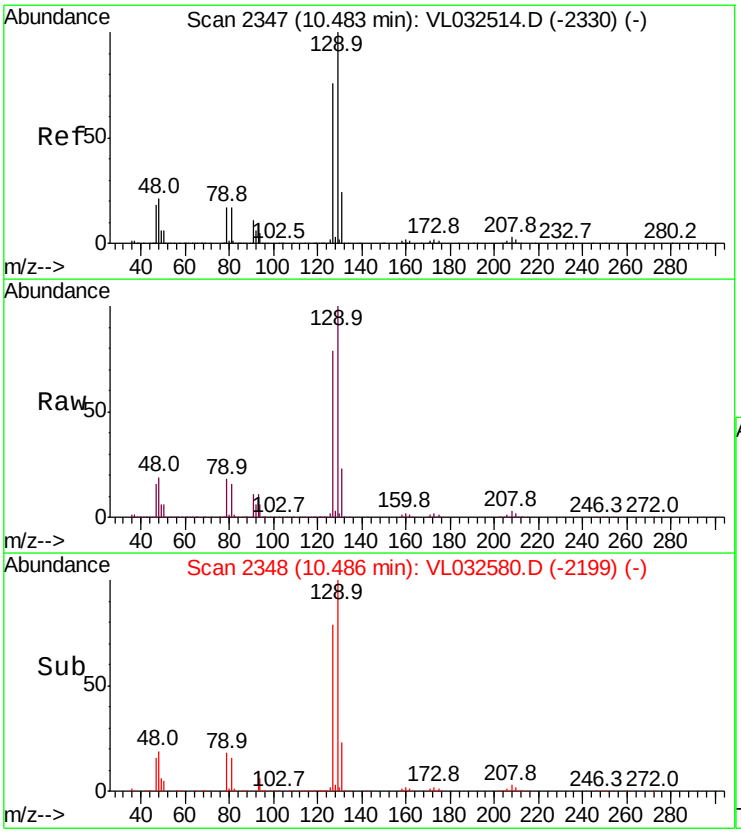
#47
1,1,2-Trichloroethane
Concen: 9.670 ppbv
RT: 9.65 min Scan# 2087
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1222343

Ion	Ratio	Lower	Upper
97	100		
83	93.2	75.0	112.4
85	59.6	47.5	71.3
99	62.0	49.0	73.6

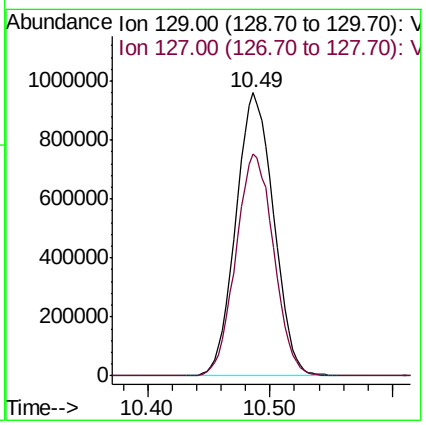


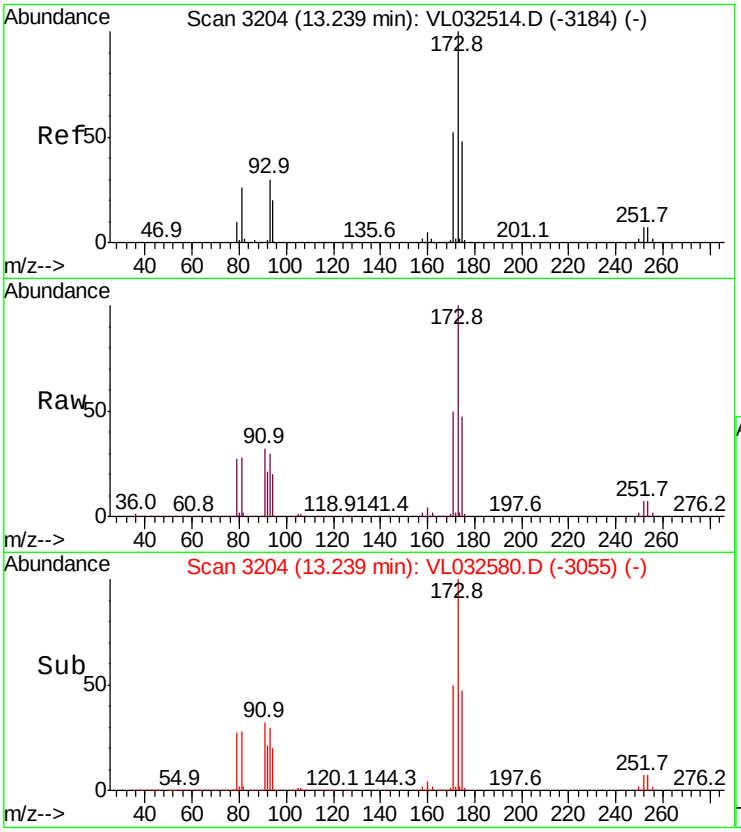


#48
Dibromochloromethane
Concen: 10.334 ppbv
RT: 10.49 min Scan# 2348
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:129 Resp: 2053982

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3



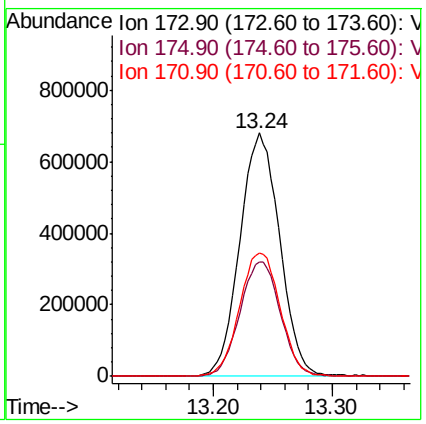


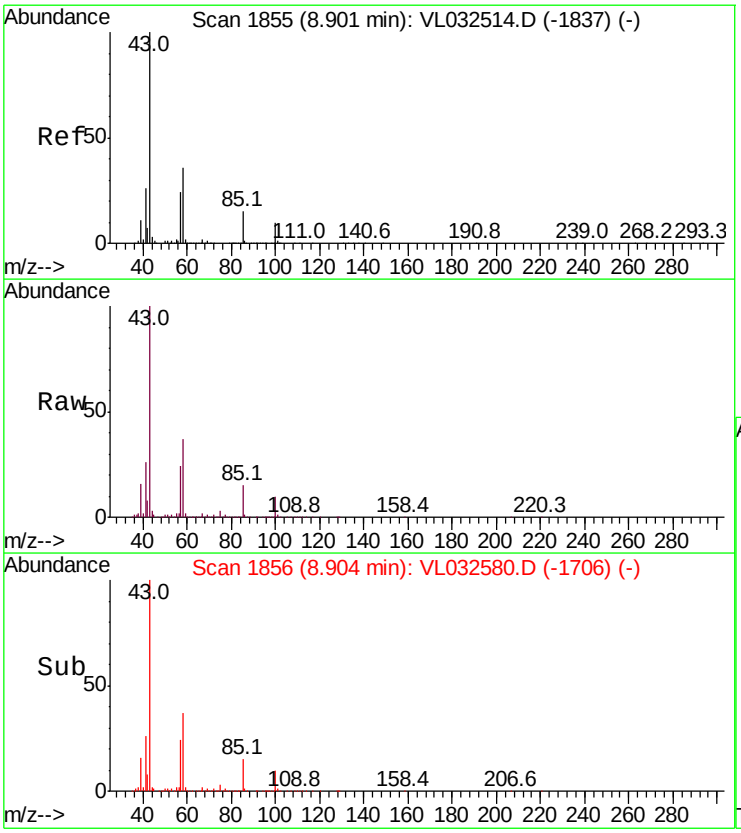
#49
Bromoform
Concen: 10.375 ppbv
RT: 13.24 min Scan# 3204
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1575734

Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.9	58.3
171	51.7	41.6	62.4

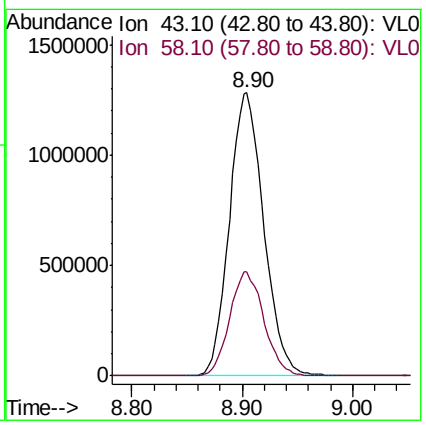


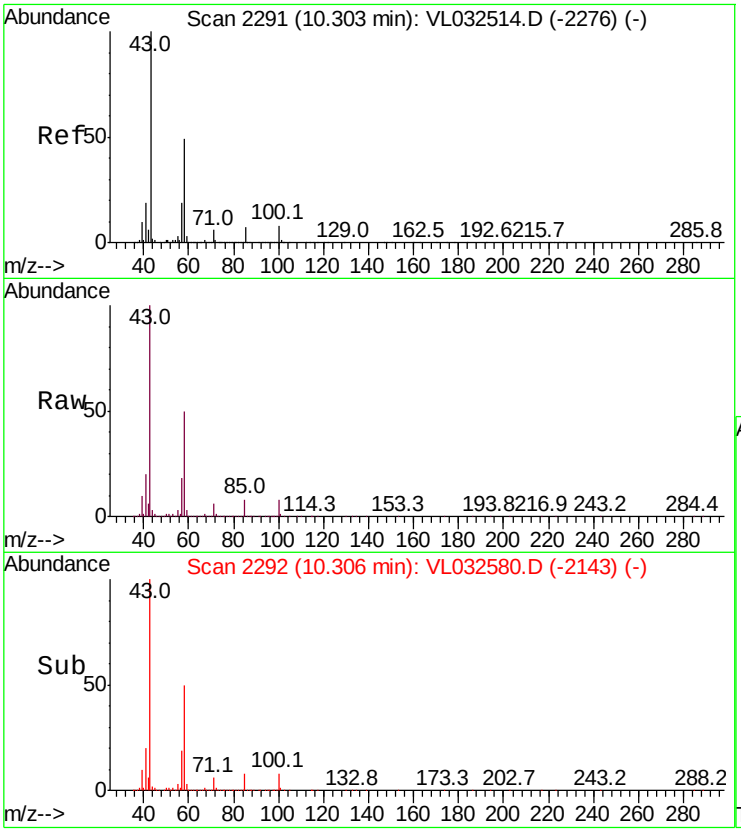


#50
4-Methyl-2-Pentanone
Concen: 9.461 ppbv
RT: 8.90 min Scan# 1856
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 43 Resp: 2767526

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.0	43.4



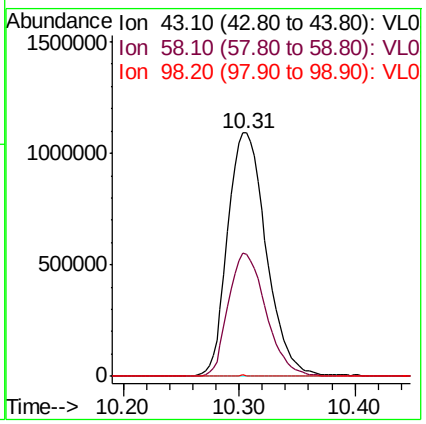


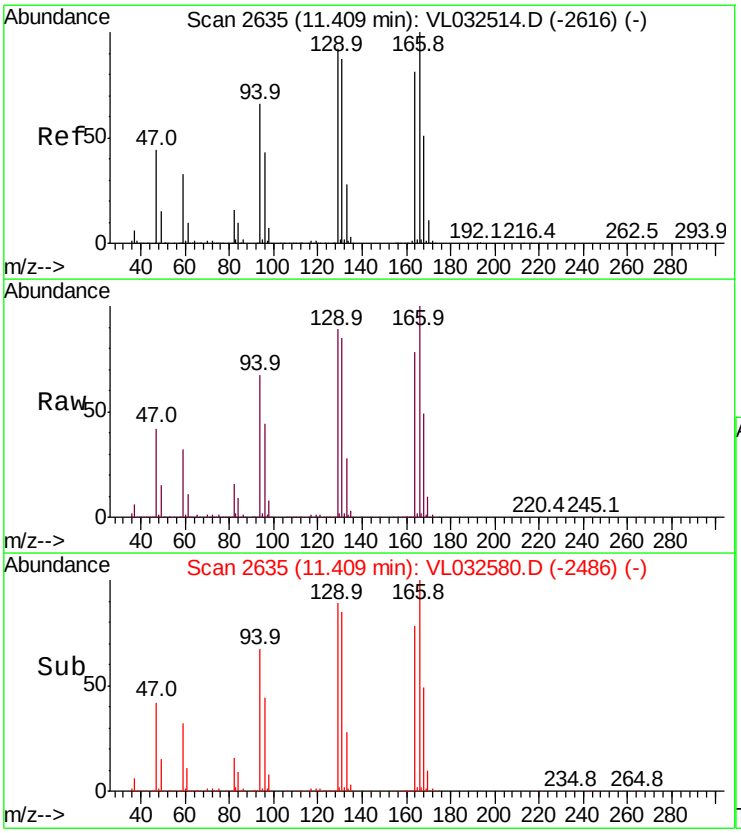
#51
2-Hexanone
Concen: 10.386 ppbv
RT: 10.31 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2512507

Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.2	58.8
98	0.6	0.4	0.6

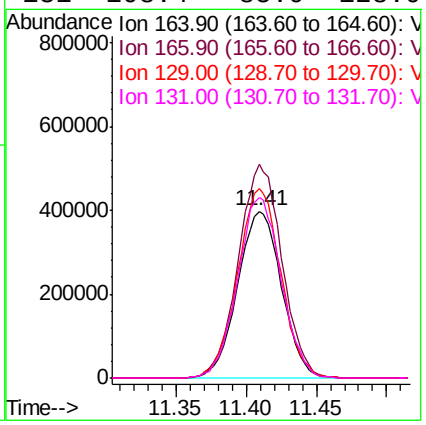


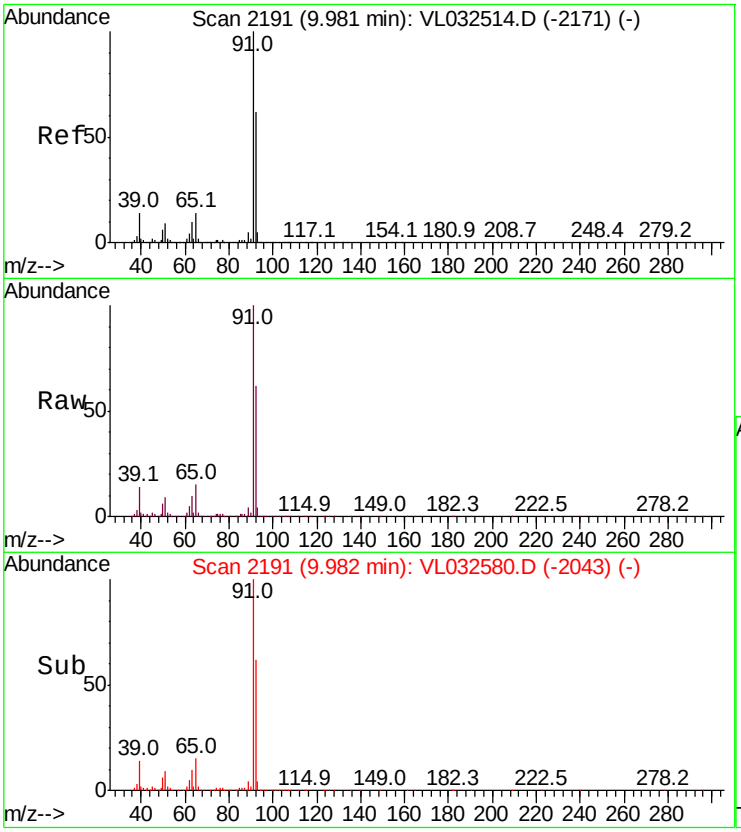


#52
Tetrachloroethene
Concen: 9.772 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:164 Resp: 859228

Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.6	150.8
129	113.9	89.9	134.9
131	108.4	85.9	128.9



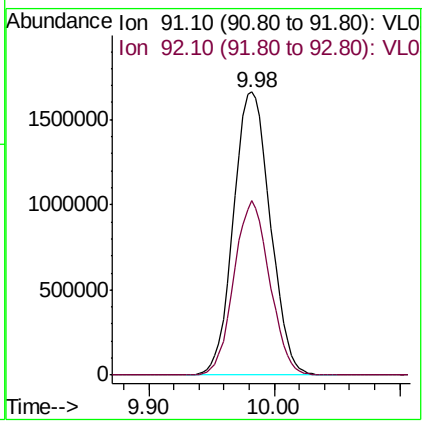


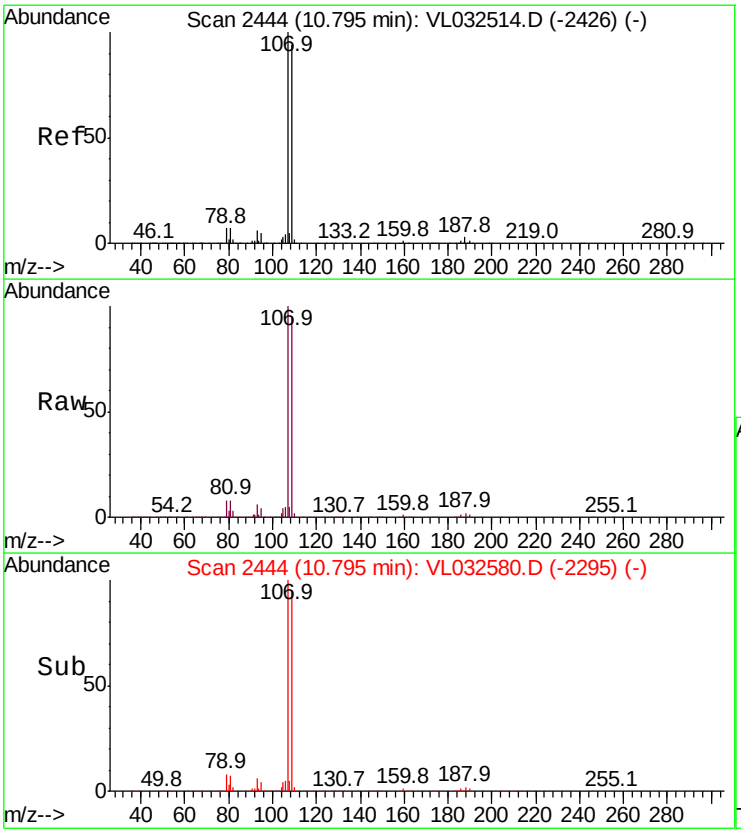
#53
Toluene
Concen: 11.001 ppbv
RT: 9.98 min Scan# 2191
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3385663

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.1	72.1

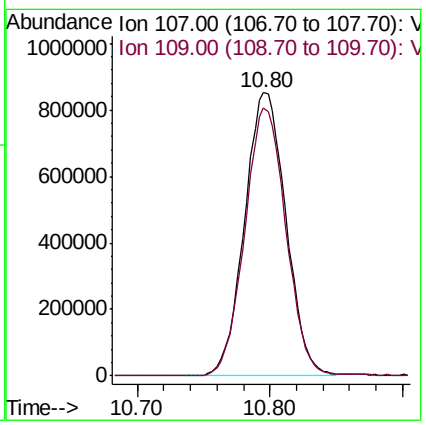


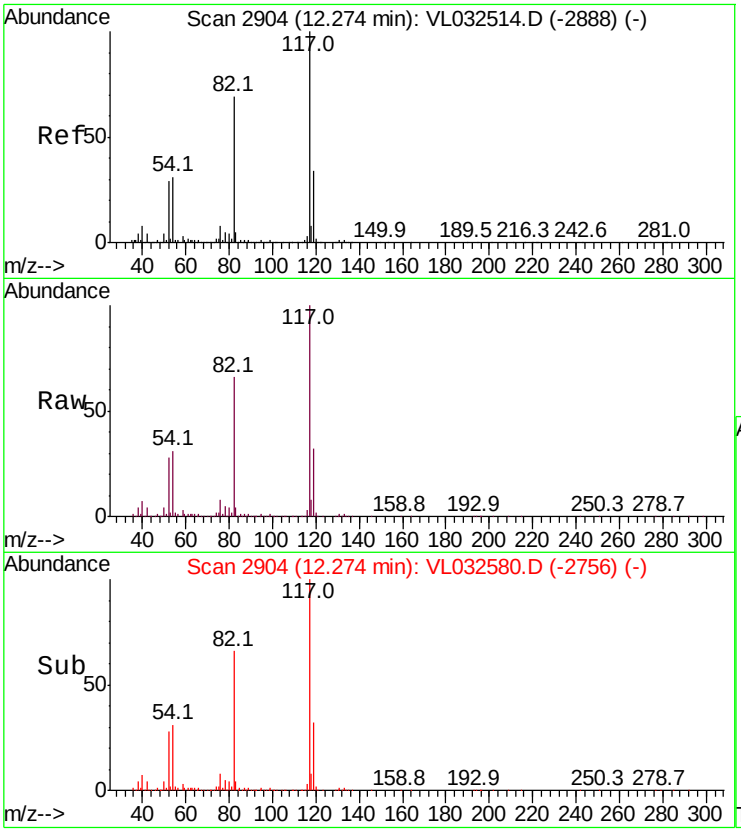


#54
1,2-Dibromoethane
Concen: 10.280 ppbv
RT: 10.80 min Scan# 2444
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:107 Resp: 1848171

Ion	Ratio	Lower	Upper
107	100		
109	94.7	73.9	110.9



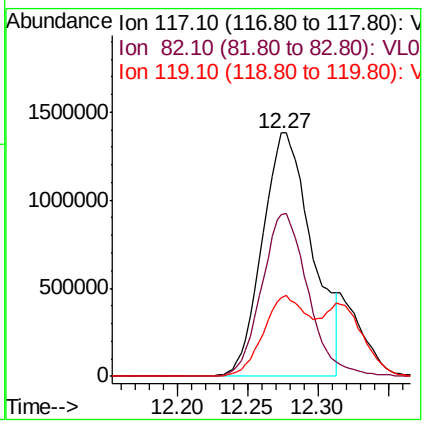


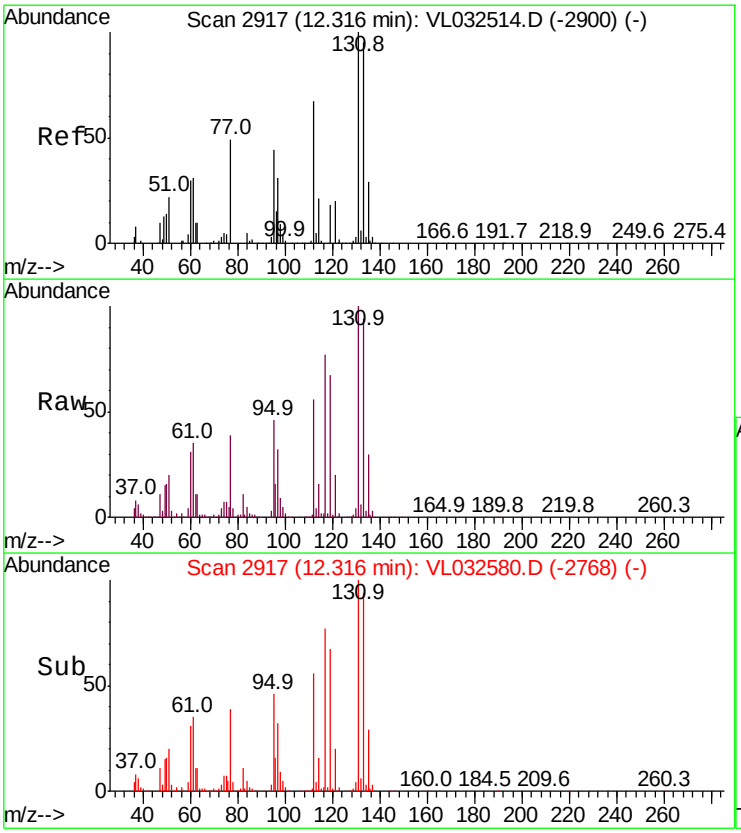
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3398546

Ion	Ratio	Lower	Upper
117	100		
82	62.4	53.0	79.6
119	33.0	45.9	68.9#

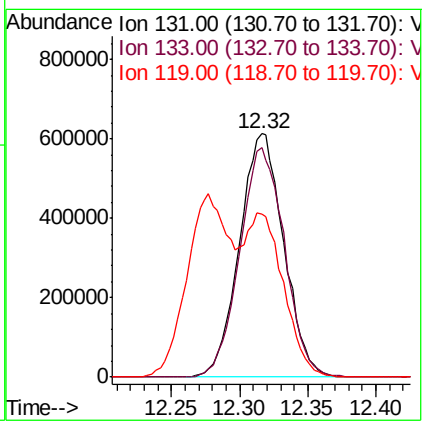


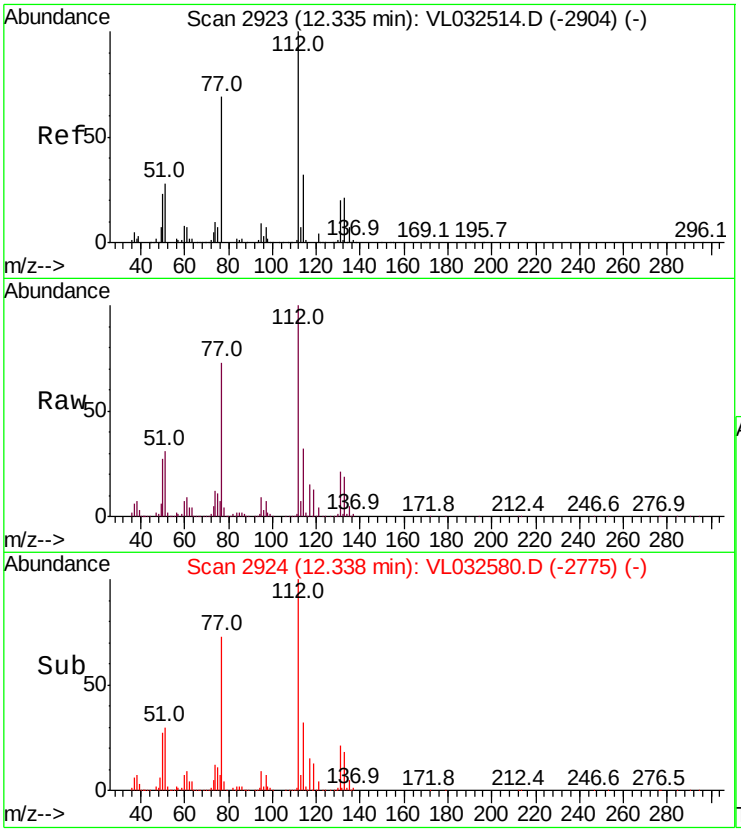


#56
1,1,1,2-Tetrachloroethane
Concen: 8.999 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:131 Resp: 1374750

Ion	Ratio	Lower	Upper
131	100		
133	95.6	77.0	115.4
119	63.0	114.2	171.2#



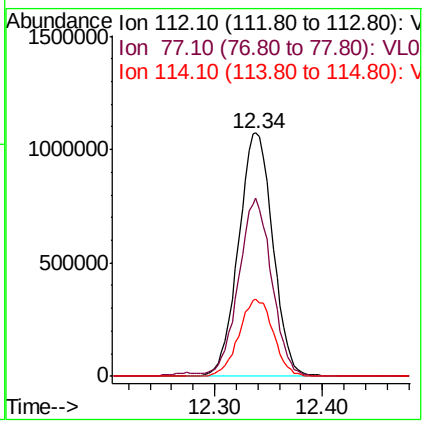


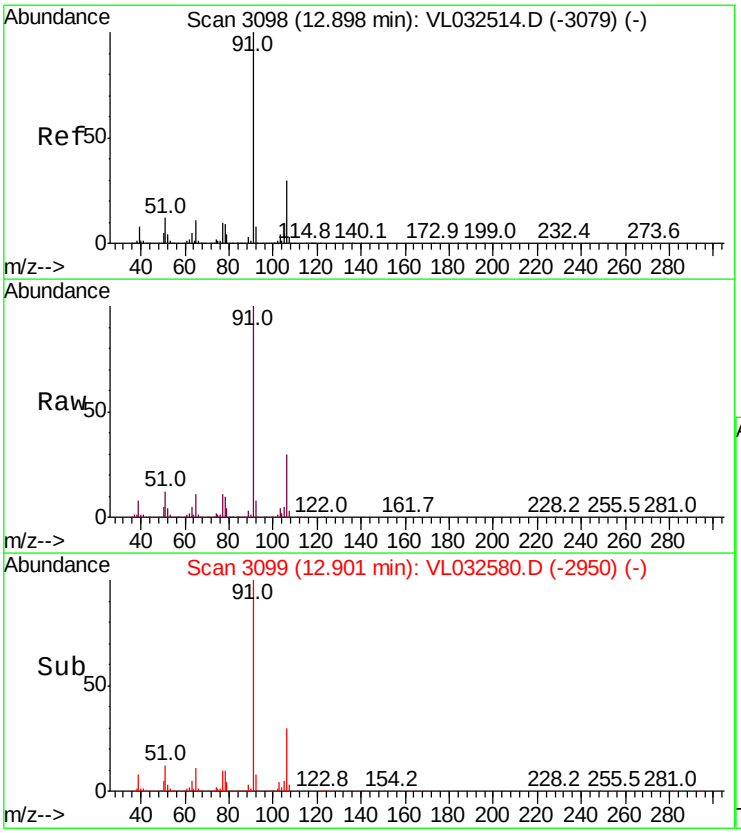
#57
Chlorobenzene
Concen: 8.674 ppbv
RT: 12.34 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2374803

Ion	Ratio	Lower	Upper
112	100		
77	73.0	56.1	84.1
114	31.5	27.8	34.0

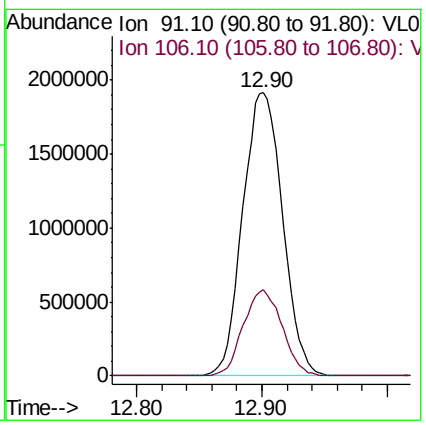


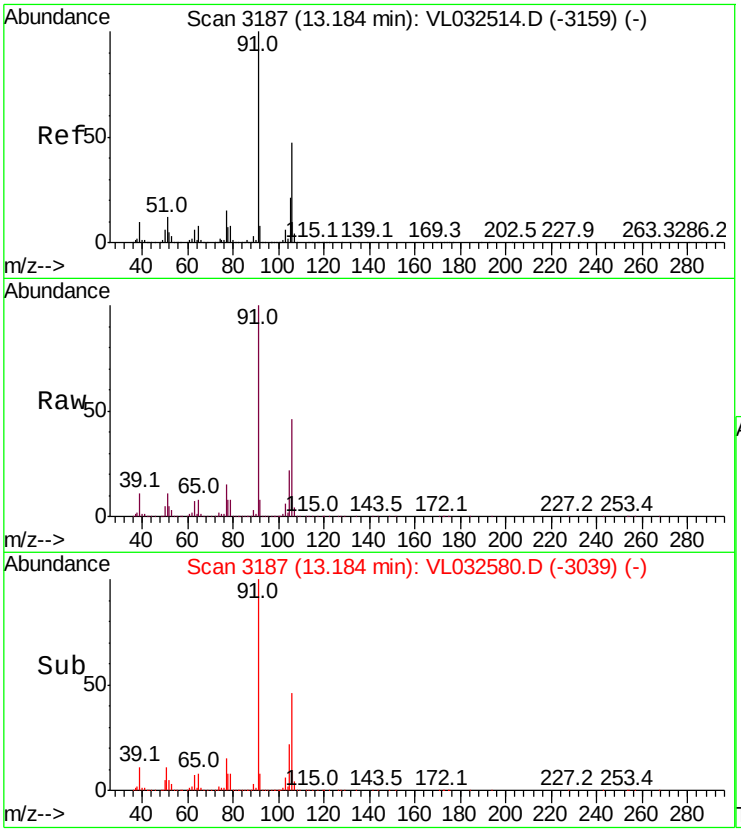


#58
Ethyl Benzene
Concen: 10.257 ppbv
RT: 12.90 min Scan# 3099
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 91 Resp: 4228551

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.8	37.2



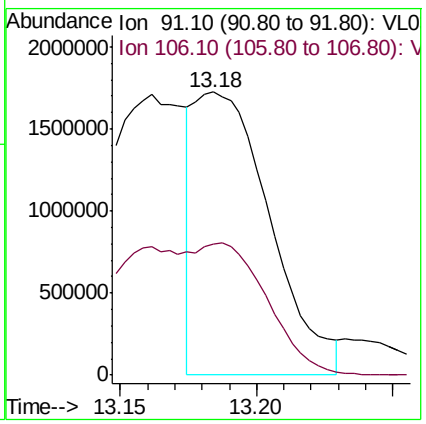


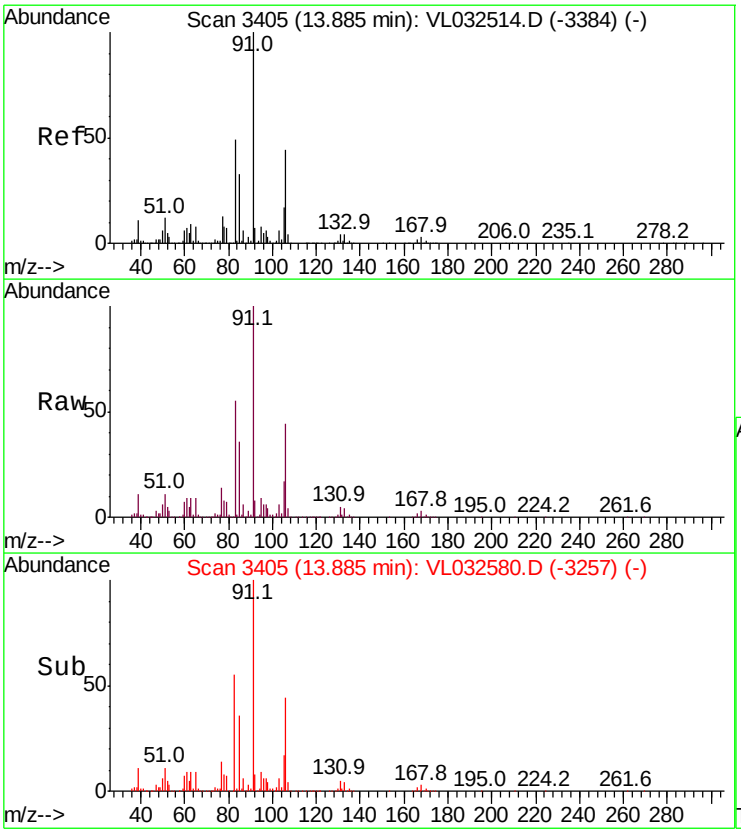
#59
m/p-Xylene
Concen: 8.981 ppbv
RT: 13.18 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3294177

Ion	Ratio	Lower	Upper
91	100		
106	94.8	36.6	55.0#

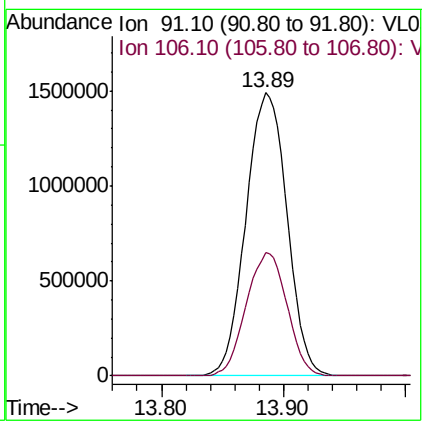


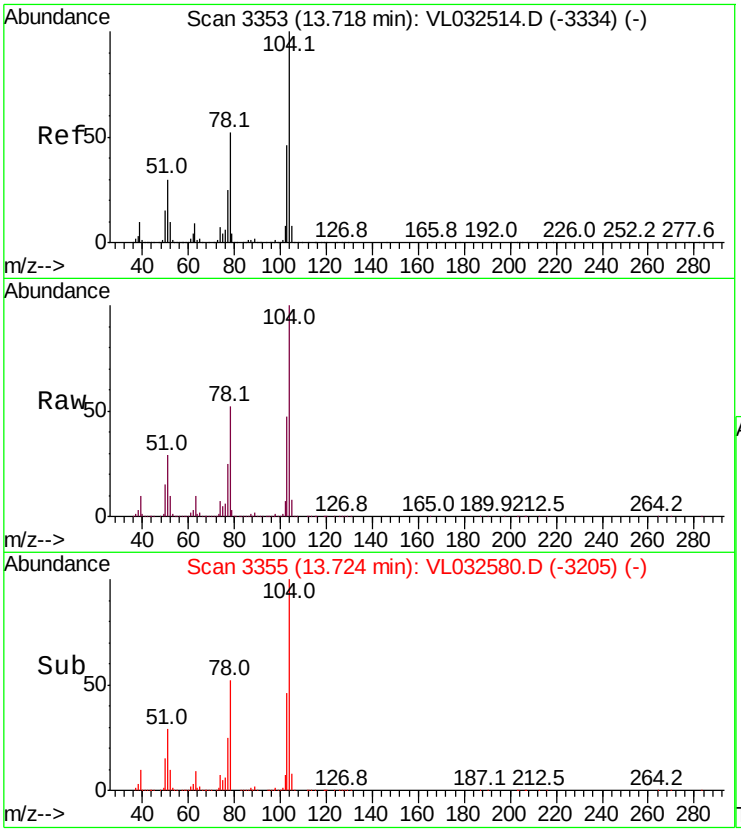


#60
o-Xylene
Concen: 9.713 ppbv
RT: 13.89 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 91 Resp: 3468612

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.9	65.7



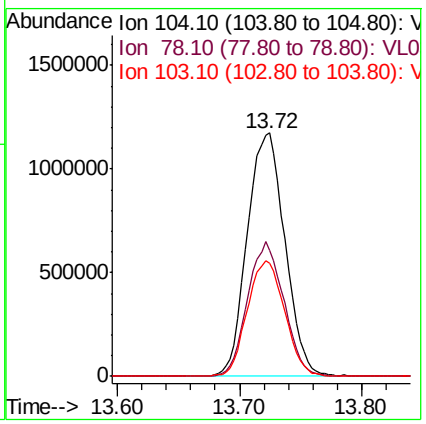


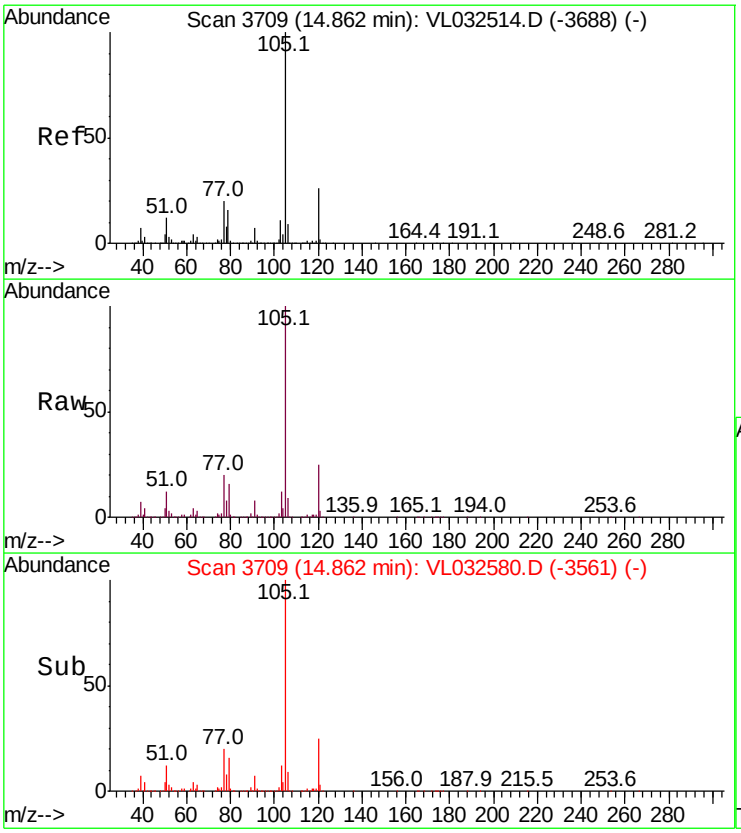
#61
Stvrene
Concen: 10.711 ppbv
RT: 13.72 min Scan# 3355
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2502030

Ion	Ratio	Lower	Upper
104	100		
78	53.4	41.8	62.8
103	47.3	38.0	57.0

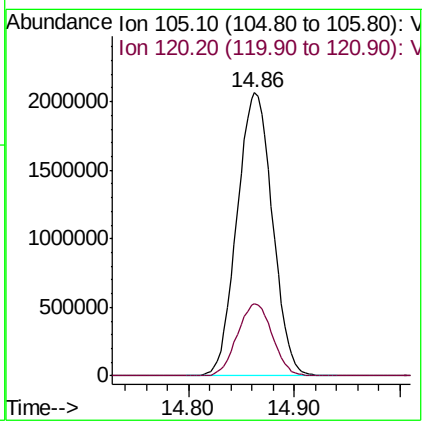


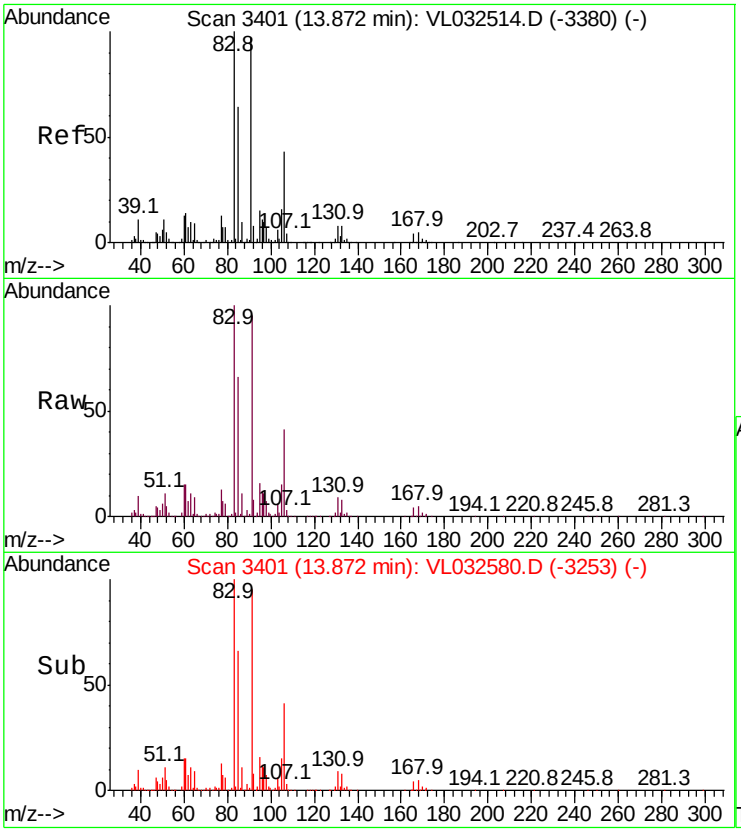


#62
Isopropylbenzene
Concen: 9.549 ppbv
RT: 14.86 min Scan# 3709
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:105 Resp: 4822305

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0



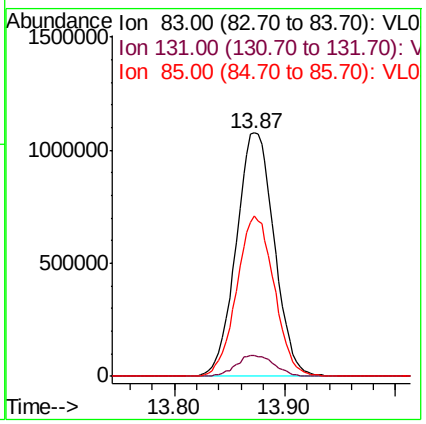


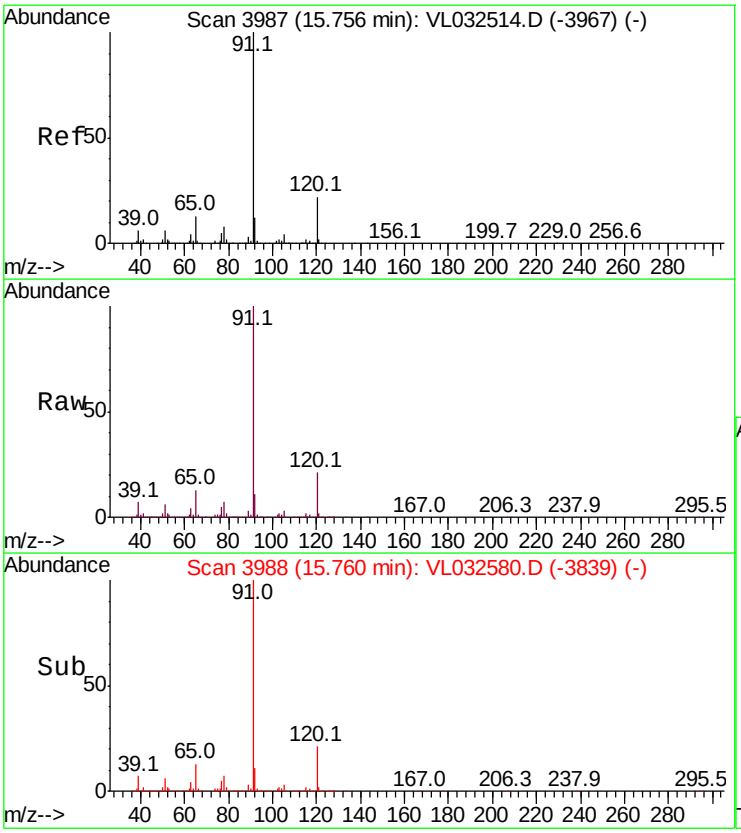
#63
1,1,2,2-Tetrachloroethane
Concen: 8.109 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2572504

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.8
85	65.2	32.3	96.8

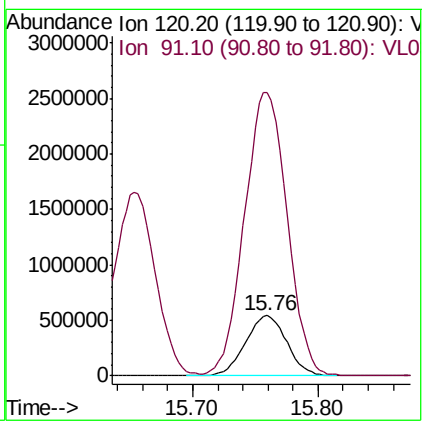


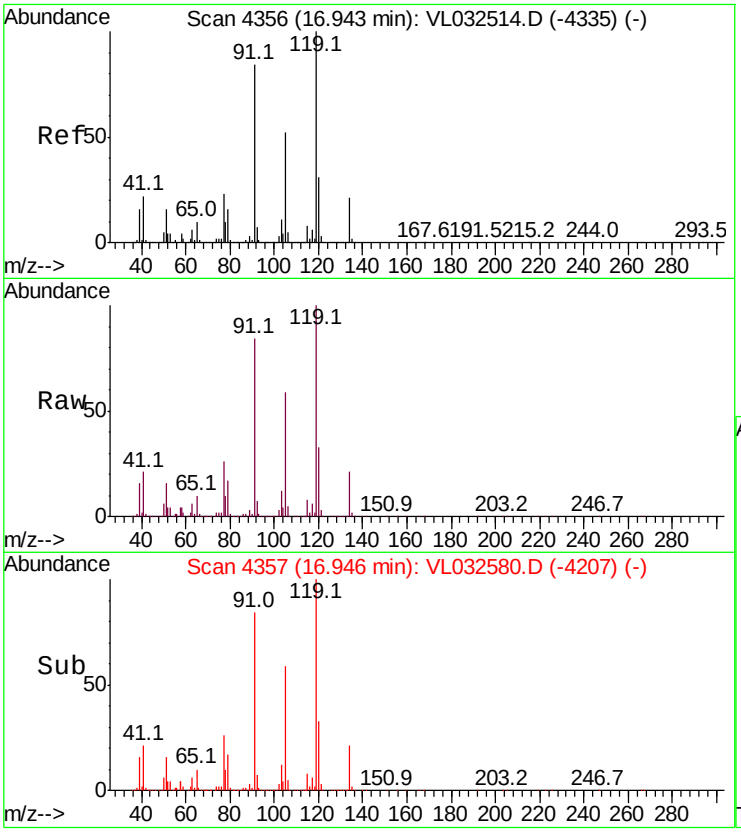


#64
n-propylbenzene
Concen: 9.558 ppbv
RT: 15.76 min Scan# 3988
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:120 Resp: 1240147

Ion	Ratio	Lower	Upper
120	100		
91	488.4	381.8	572.6



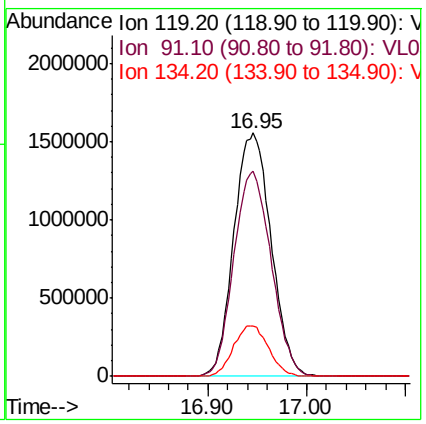


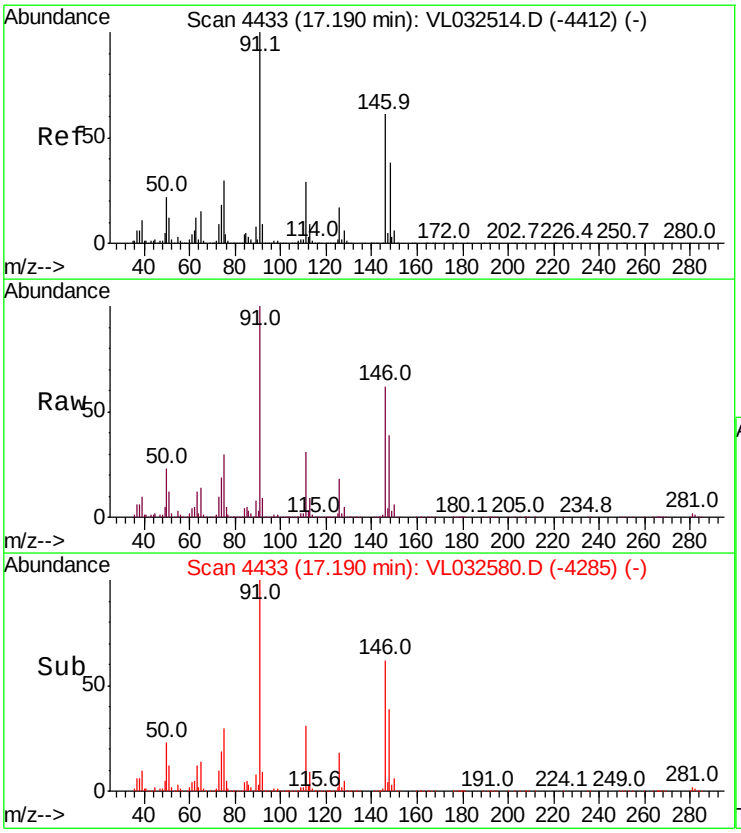
#65
tert-Butylbenzene
Concen: 9.411 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4073597

Ion	Ratio	Lower	Upper
119	100		
91	84.7	66.5	99.7
134	19.6	16.0	24.0

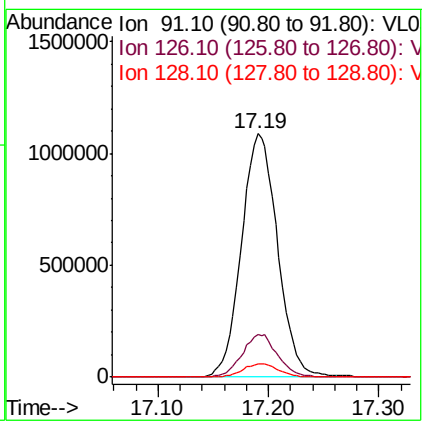


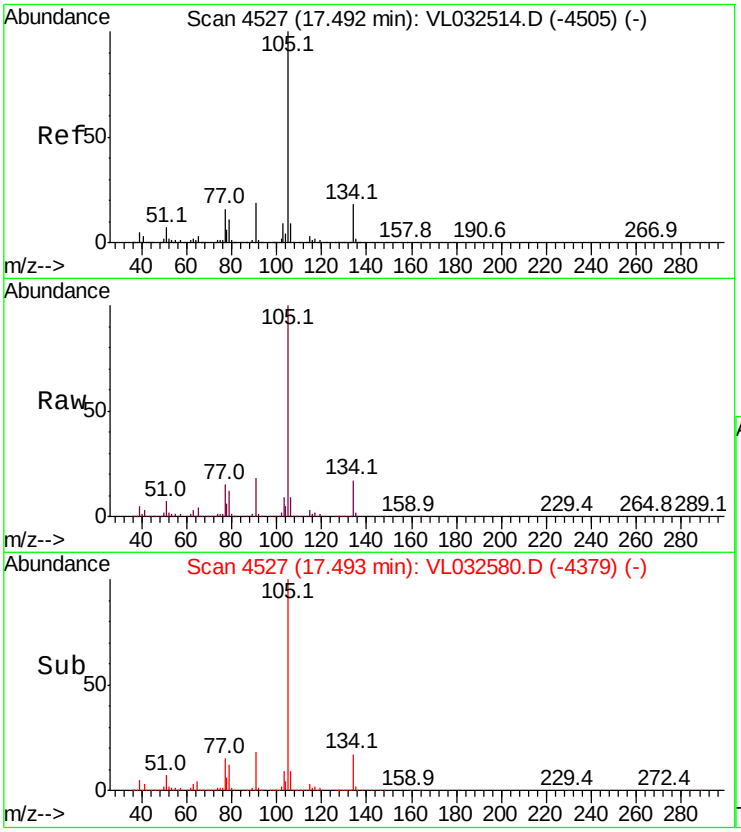


#66
Benzyl Chloride
Concen: 9.848 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 91 Resp: 2456890

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.8
128	5.5	4.4	6.6



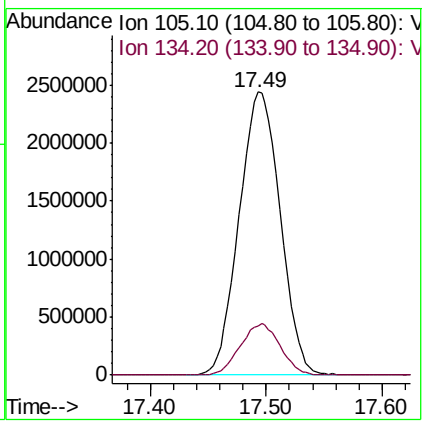


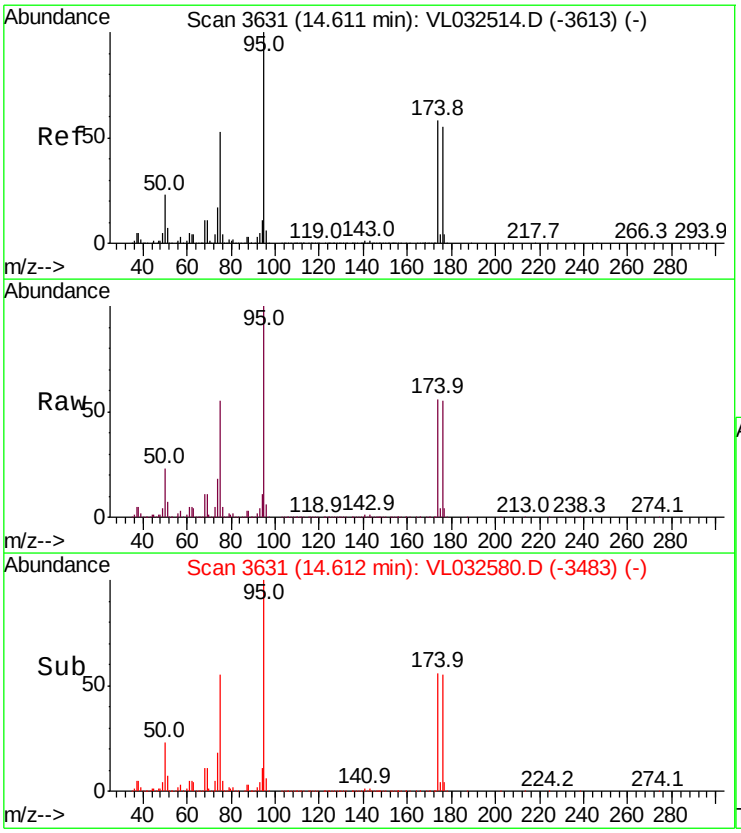
#67
sec-Butylbenzene
Concen: 9.342 ppbv
RT: 17.49 min Scan# 4527
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 6012423

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.4	21.6

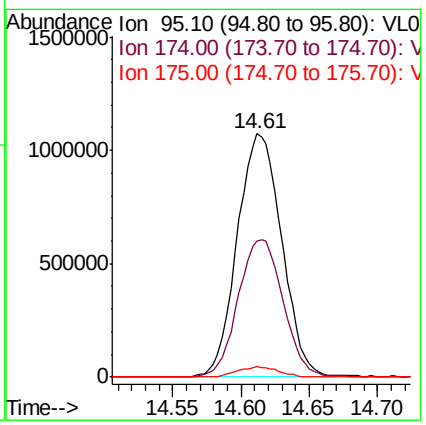


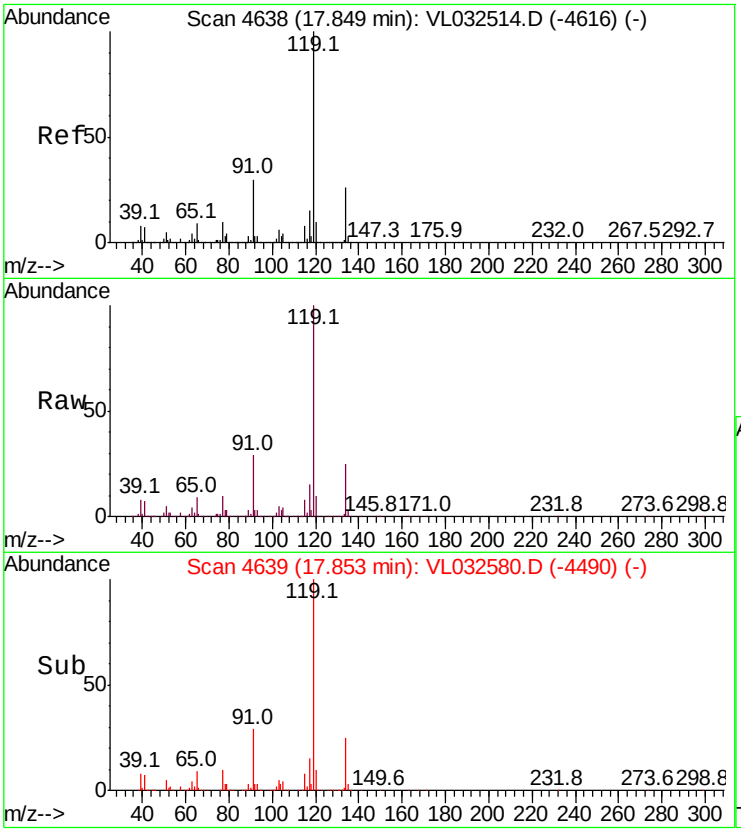


#68
1-Bromo-4-Fluorobenzene
Concen: 9.419 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 95 Resp: 2413880

Ion	Ratio	Lower	Upper
95	100		
174	57.8	46.3	69.5
175	4.1	3.4	5.0



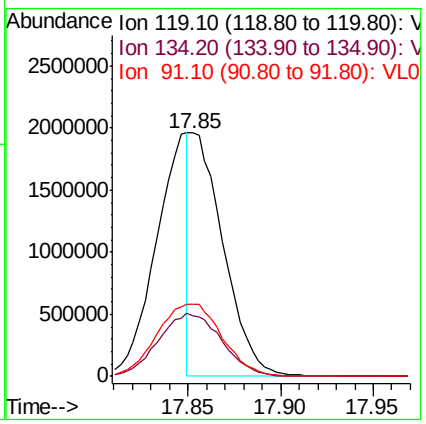


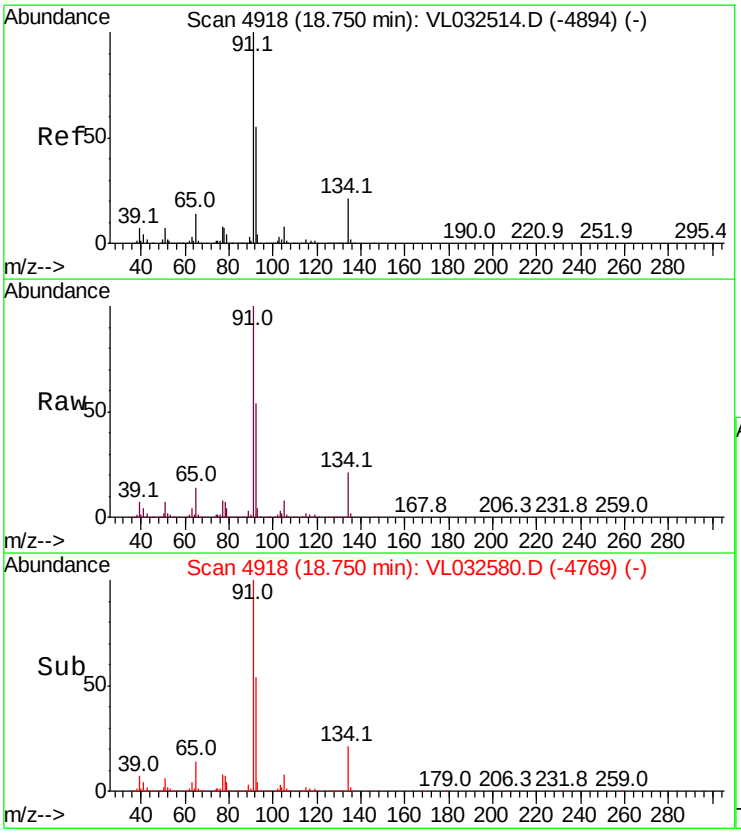
#69
p-Isopropyltoluene
Concen: 4.814 ppbv
RT: 17.85 min Scan# 4639
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 2392902

Ion	Ratio	Lower	Upper
119	100		
134	50.3	20.4	30.6#
91	59.3	23.4	35.2#

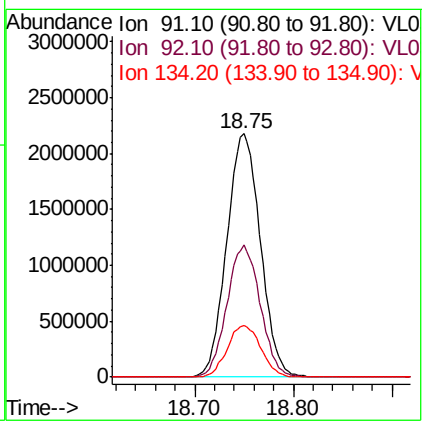


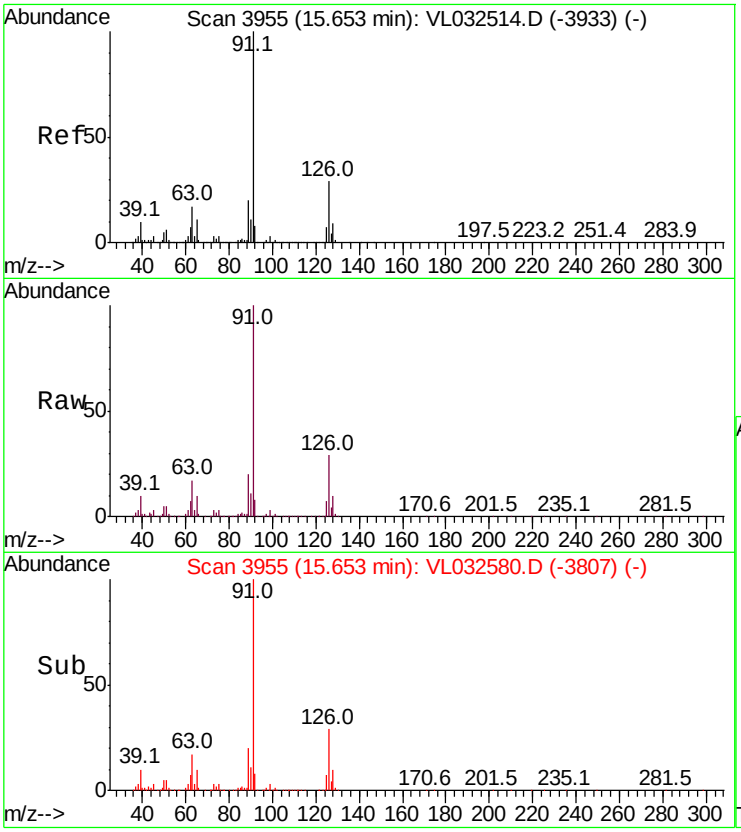


#70
n-Butylbenzene
Concen: 9.519 ppbv
RT: 18.75 min Scan# 4918
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion: 91 Resp: 5168562

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.8
134	21.3	17.4	26.0



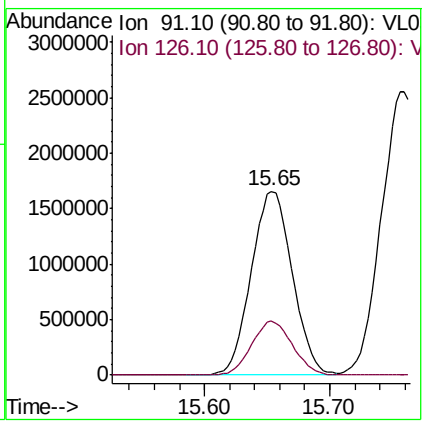


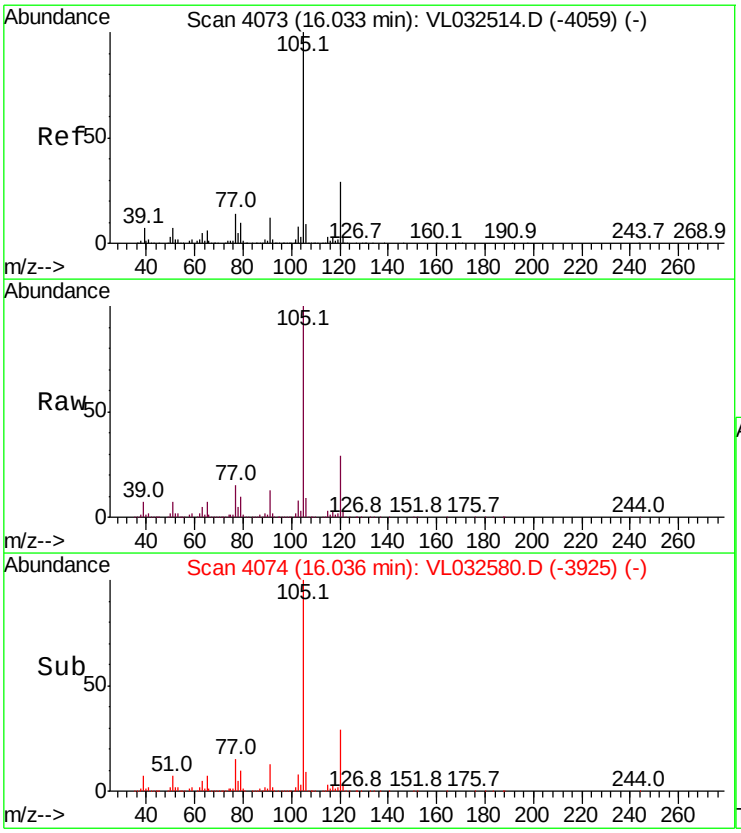
#71
2-Chlorotoluene
Concen: 9.821 ppbv
RT: 15.65 min Scan# 3955
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3777739

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.9	47.7

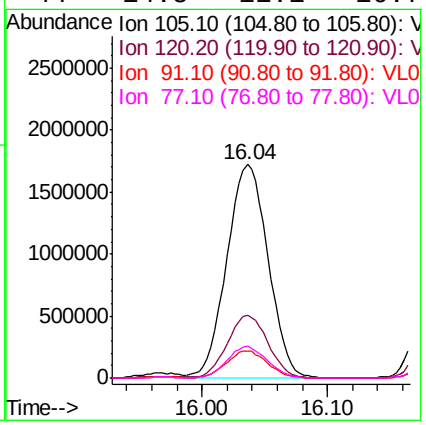


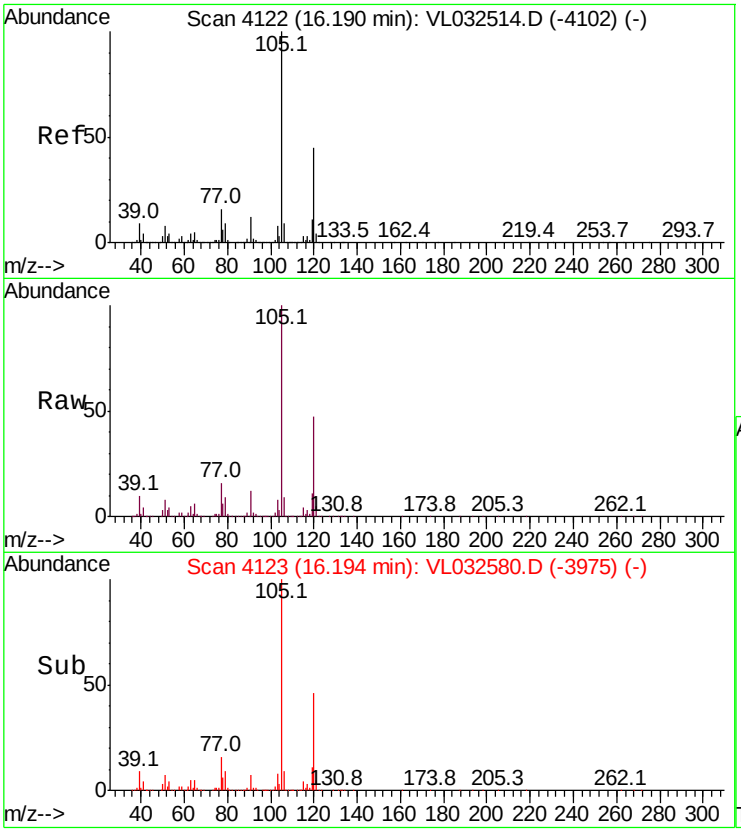


#72
4-Ethyltoluene
Concen: 10.137 ppbv
RT: 16.04 min Scan# 4074
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:105 Resp: 3929336

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.5	35.3
91	12.7	10.2	15.2
77	14.5	11.1	16.7



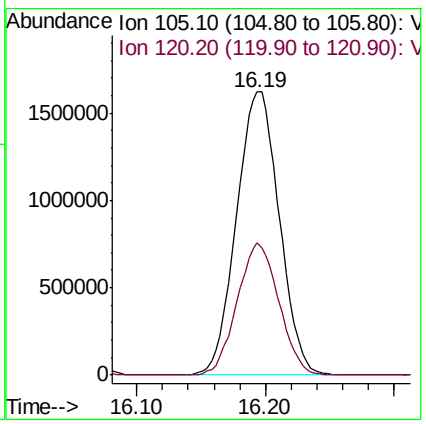


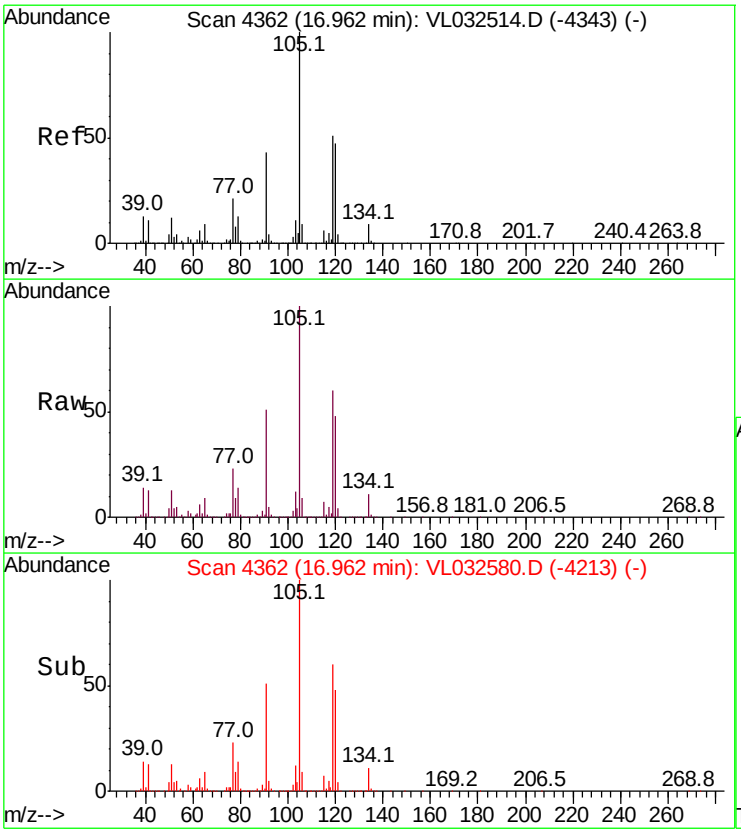
#73
1,3,5-Trimethylbenzene
Concen: 9.919 ppbv
RT: 16.19 min Scan# 4123
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3736199

Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.9	56.9

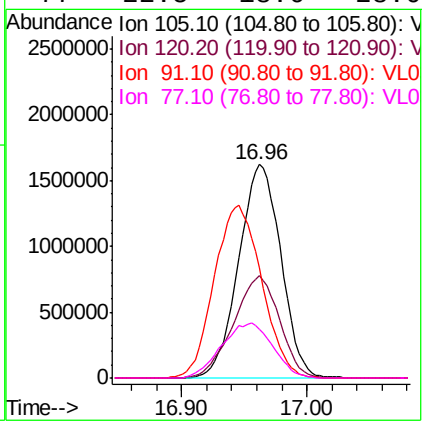


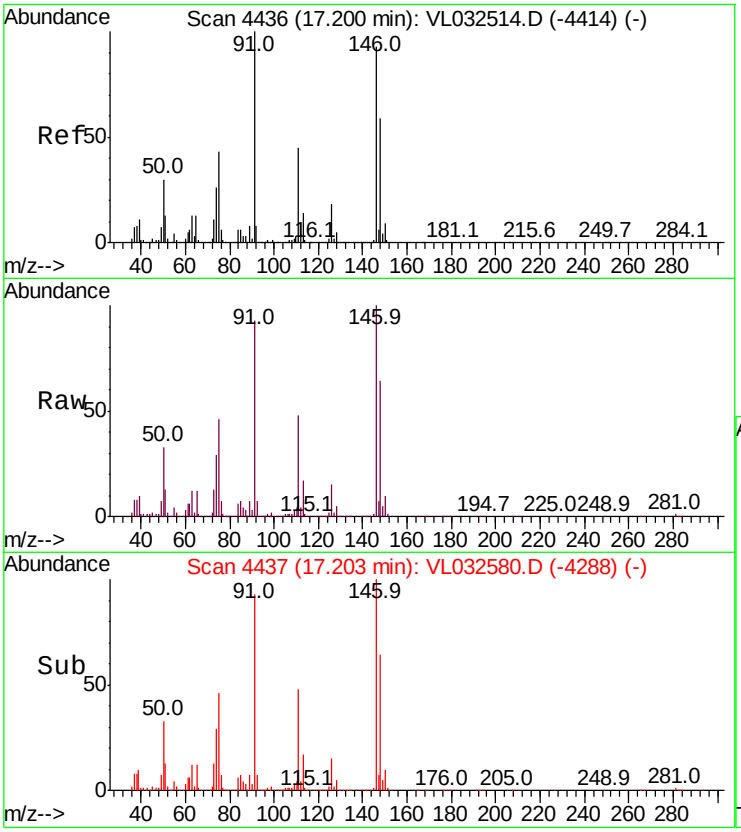


#74
1,2,4-Trimethylbenzene
Concen: 9.325 ppbv
RT: 16.96 min Scan# 4362
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:105 Resp: 3782155

Ion	Ratio	Lower	Upper
105	100		
120	48.0	37.8	56.8
91	51.2	41.4	62.0
77	22.5	18.6	28.0



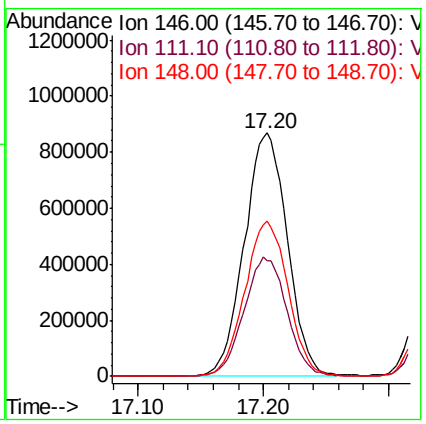


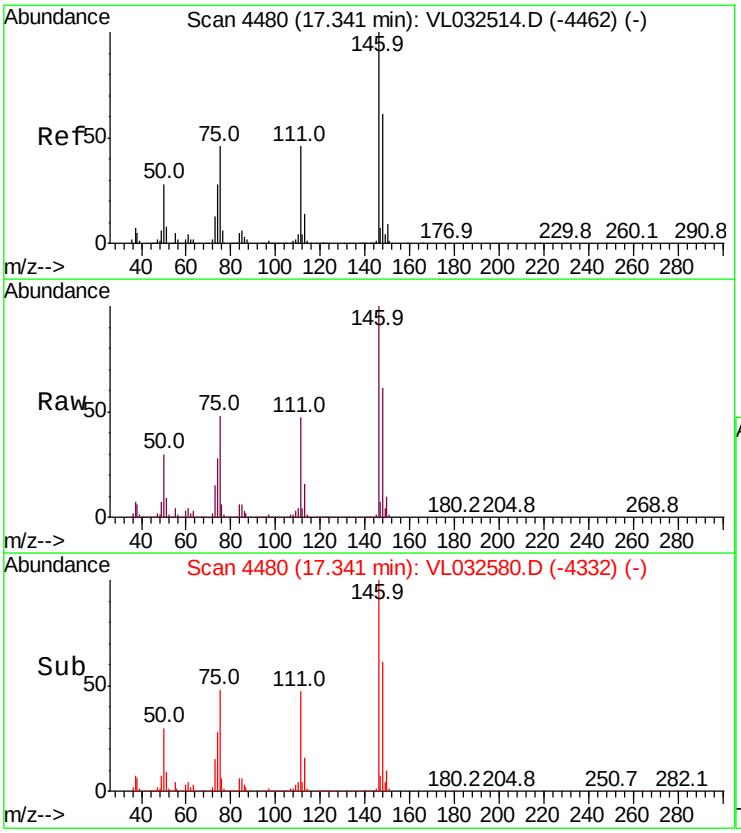
#75
1,3-Dichlorobenzene
Concen: 8.293 ppbv
RT: 17.20 min Scan# 4437
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2075534

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.5	73.5
148	64.1	32.0	96.2

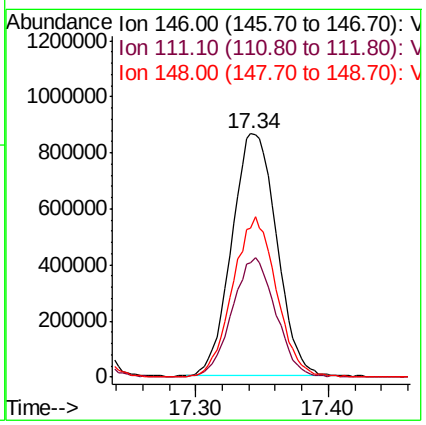


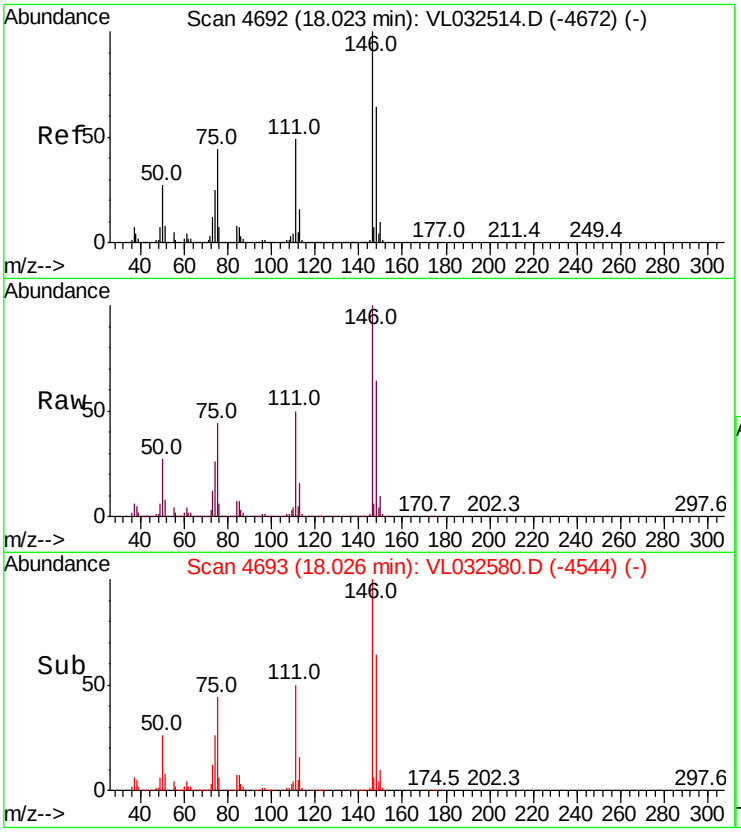


#76
1,4-Dichlorobenzene
Concen: 8.905 ppbv
RT: 17.34 min Scan# 4480
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:146 Resp: 2040672

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.4	70.2
148	64.2	32.0	96.2



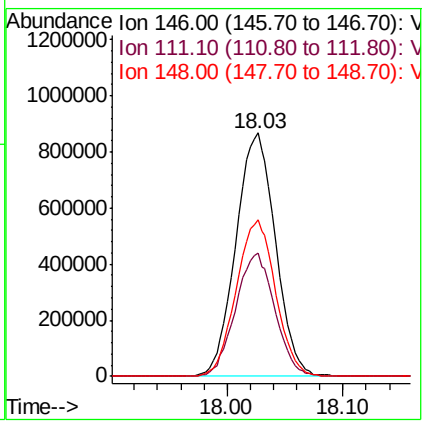


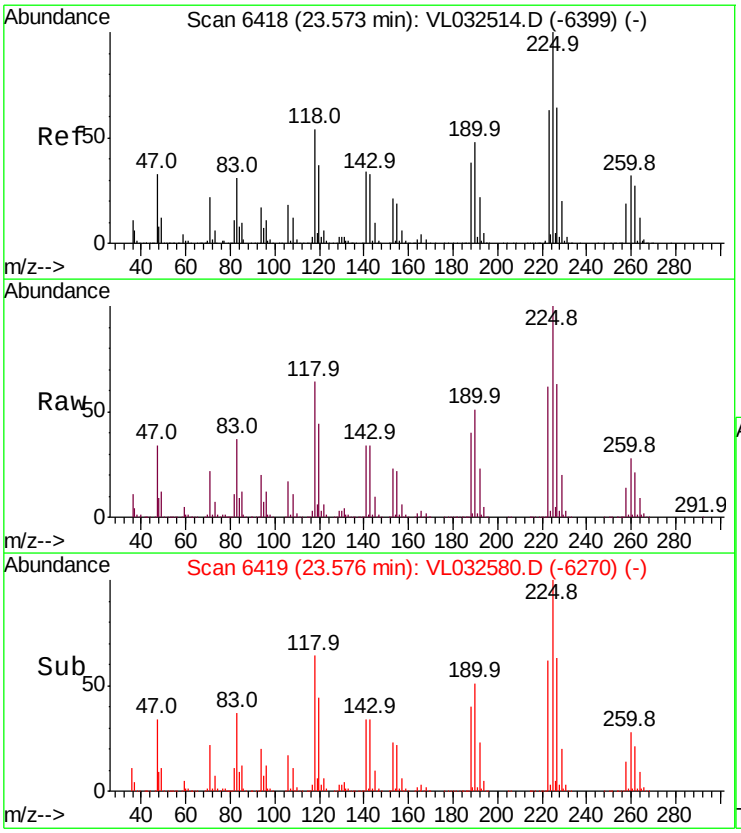
#77
1,2-Dichlorobenzene
Concen: 8.708 ppbv
RT: 18.03 min Scan# 4693
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2049587

Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.9	74.8
148	64.2	32.0	96.0

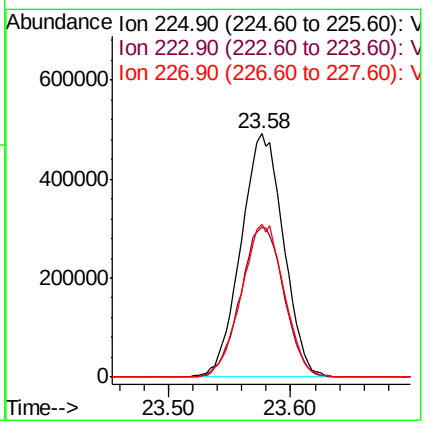


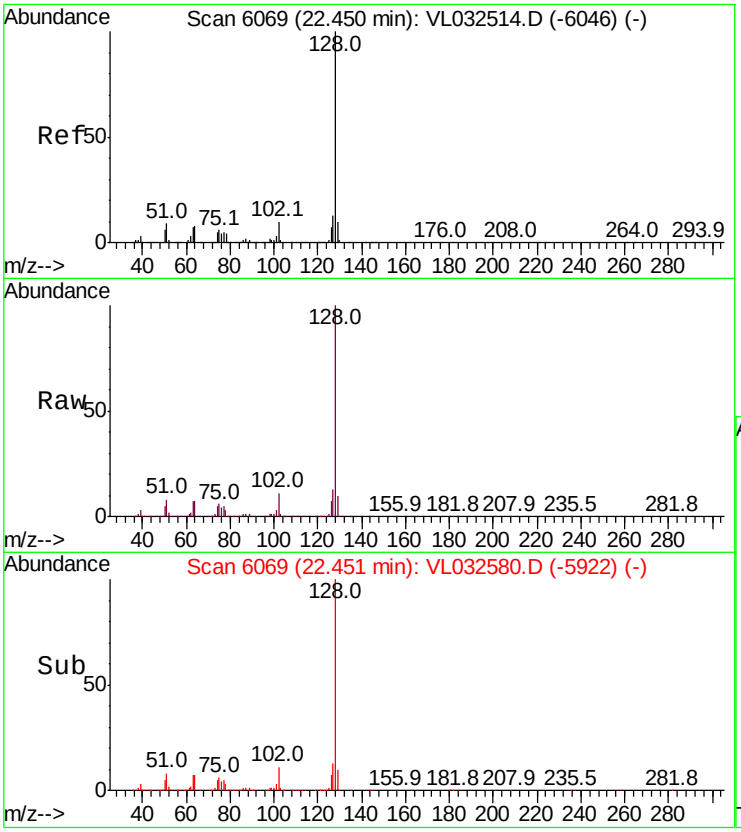


#78
Hexachloro-1,3-Butadiene
Concen: 13.435 ppbv
RT: 23.58 min Scan# 6419
Delta R.T. -0.02 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:225 Resp: 1186768

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	63.3	51.2	76.8



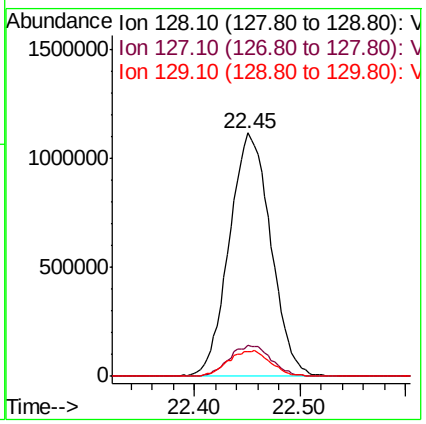


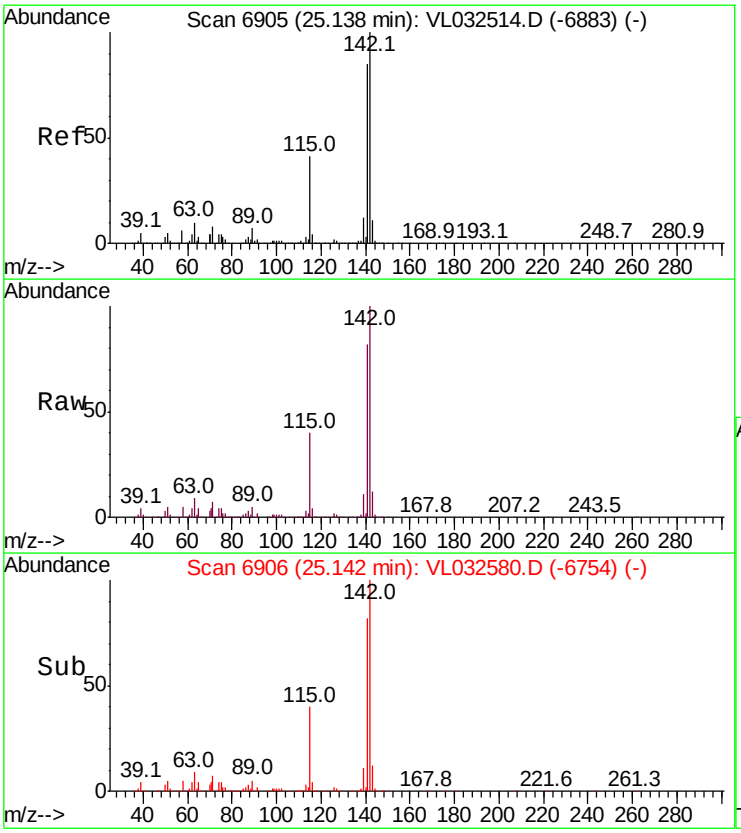
#79
Naphthalene
Concen: 10.370 ppbv
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3033376

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.5	12.7

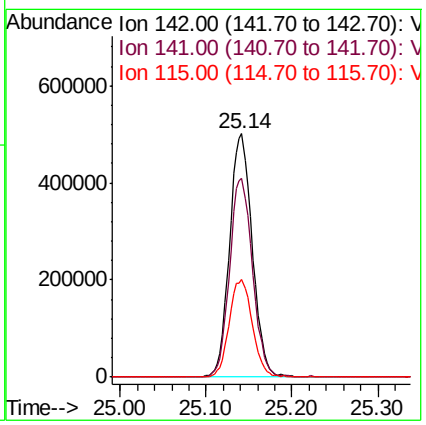


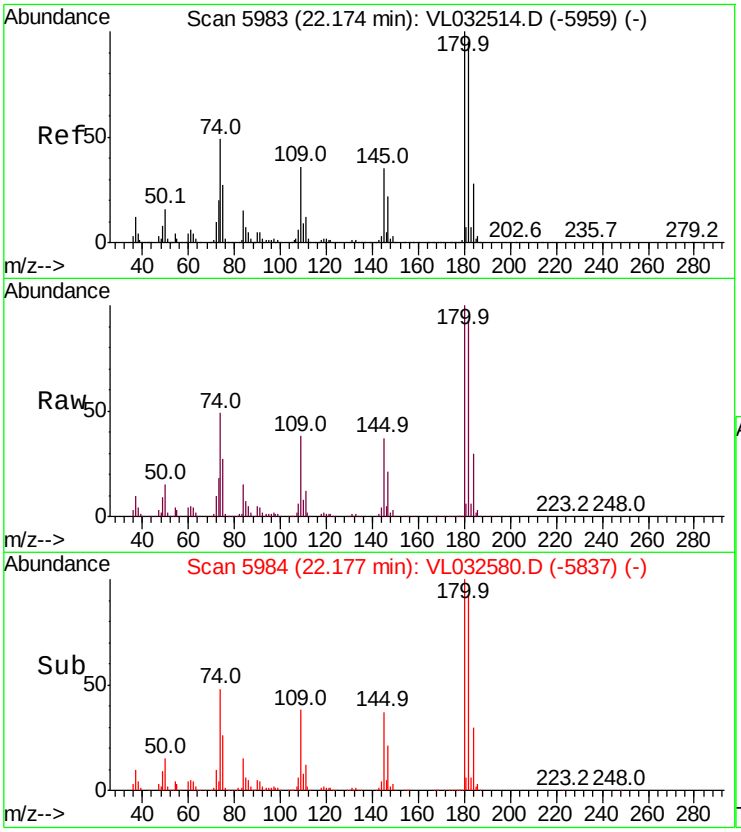


#80
Naphthalene,2-methyl-
Concen: 13.348 ppbv
RT: 25.14 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Tgt Ion:142 Resp: 916710

Ion	Ratio	Lower	Upper
142	100		
141	82.6	67.0	100.6
115	41.0	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 9.649 ppbv
RT: 22.18 min Scan# 5984
Delta R.T. -0.03 min
Lab File: VL032580.D
Acq: 28 Sep 2018 12:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1446674

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.2	23.8	35.8