Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052019\

Quantitation Report (Not Reviewed)

Data File : VL033723.D
Acq On : 20 May 2019 13:33
Operator : SY/AP
Sample : VL0520ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Quant Time: May 21 01:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1098754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2628418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3301626	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2175416	8.13	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1503035	6.491	ppbv	99
3) Chlorodifluoromethane	3.01	51	1260344	10.014	ppbv	100
4) Chloromethane	3.17	50	653793	9.082	ppbv	99
5) Vinyl Chloride	3.29	62	665823	9.080	ppbv	98
6) Bromomethane	3.51	94	437301	9.774	ppbv	97
7) Chloroethane	3.59	64	253857	9.741	ppbv	92
8) Dichlorotetrafluoroethane	3.22	85	1710442	9.162	ppbv	99
9) Propene	3.03	41	505353	9.440	ppbv	99
10) Heptane	8.24	43	1331408	8.783	ppbv	99
11) Trichlorofluoromethane	4.00	101	2089861	9.456	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1378865	8.935	ppbv	100
13) Ethanol	3.64	45	143931	8.319	ppbv	97
14) Bromoethene	3.78	108	560418	9.878	ppbv	99
15) Acetone	3.90	43	1341603	8.800	ppbv	100
16) 1,3-Butadiene	3.36	39	599369	9.873	ppbv	99
17) tert-Butyl alcohol	4.35	59	1156203	9.379	ppbv	100
18) 1,1-Dichloroethene	4.35	96	604715	9.283	ppbv	94
19) Isopropyl Alcohol	4.02	45	898704	9.143	ppbv	99
20) Methylene Chloride	4.40	84	510607	8.699	ppbv	99
21) Allyl Chloride	4.47	41	903860	9.506	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	623114	9.332	ppbv	92
23) Vinyl Acetate	5.15	43	2008368	9.992	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1373205	8.987	ppbv	99
25) Ethyl Acetate	5.76	43	2344153	8.753	ppbv	100
26) Hexane	5.77	57	1021149	8.870	ppbv	98
27) Carbon Disulfide	4.62	76	1552301	9.828	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1784660	9.509	ppbv	100
29) Chloroform	5.85	83	1768485	8.339	ppbv	98
30) Cyclohexane	7.24	84	900296	9.302	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1079096	9.453	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1863137	8.799	ppbv	100
34) 2-Butanone	5.33	43	1553947	9.538	ppbv	99
35) Carbon Tetrachloride	7.13	117	1981187	9.410	ppbv	98
36) Benzene	7.00	78	2213239	9.257	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1367390	8.866	ppbv	100
38) Trichloroethene	7.96	130	871329	9.821	ppbv	97
39) 1,2-Dichloropropane	7.73	63	814018	9.132	ppbv	99
40) 1,4-Dioxane	7.95	88	320586	8.597	ppbv #	99
41) Tetrahydrofuran	6.14	42	852032	9.334	ppbv	99
42) Bromodichloromethane	7.91	83	1922479	9.105	ppbv	97
43) Methyl Methacrylate	8.13	69	878006	9.978	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052019\

Quantitation Report (Not Reviewed)

Data File : VL033723.D
Acq On : 20 May 2019 13:33
Operator : SY/AP
Sample : VL0520ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Quant Time: May 21 01:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3592726	8.891	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1213031	10.874	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1349456	10.331	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	904175	8.929	ppbv		97
48) Dibromochloromethane	10.45	129	1658994	9.455	ppbv		99
49) Bromoform	13.20	173	1478490	10.014	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	2337461	9.328	ppbv		100
51) 2-Hexanone	10.26	43	1934323	9.890	ppbv	#	99
52) Tetrachloroethene	11.37	164	825393	9.821	ppbv		97
53) Toluene	9.94	91	2542010	9.857	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1446070	9.357	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1133082	7.417	ppbv	#	62
57) Chlorobenzene	12.30	112	1972256	7.257	ppbv		100
58) Ethyl Benzene	12.86	91	3478916	7.957	ppbv		98
59) m/p-Xylene	13.15	91	3084203	8.070	ppbv	#	39
60) o-Xylene	13.84	91	2918815	7.576	ppbv		100
61) Styrene	13.68	104	2184454	8.421	ppbv		100
62) Isopropylbenzene	14.82	105	3958789	7.630	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2008503	7.169	ppbv		100
64) n-propylbenzene	15.72	120	1038910	7.741	ppbv		100
65) tert-Butylbenzene	16.90	119	3647263	7.699	ppbv		99
66) Benzyl Chloride	17.15	91	2146443	9.513	ppbv		100
67) sec-Butylbenzene	17.45	105	5090737	7.678	ppbv		100
69) p-Isopropyltoluene	17.81	119	4233307	7.725	ppbv		99
70) n-Butylbenzene	18.71	91	4440011	7.555	ppbv		100
71) 2-Chlorotoluene	15.61	91	3046004	7.913	ppbv		100
72) 4-Ethyltoluene	15.99	105	3488025	7.918	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3328049	7.743	ppbv		99
74) 1,2,4-Trimethylbenzene	16.92	105	3476780	7.433	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	2027371	7.073	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	2017815	7.407	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1940845	7.206	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1202097	5.903	ppbv		99
79) Naphthalene	22.41	128	3011667	6.932	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	965588	5.849	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	1650814	6.489	ppbv		99

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

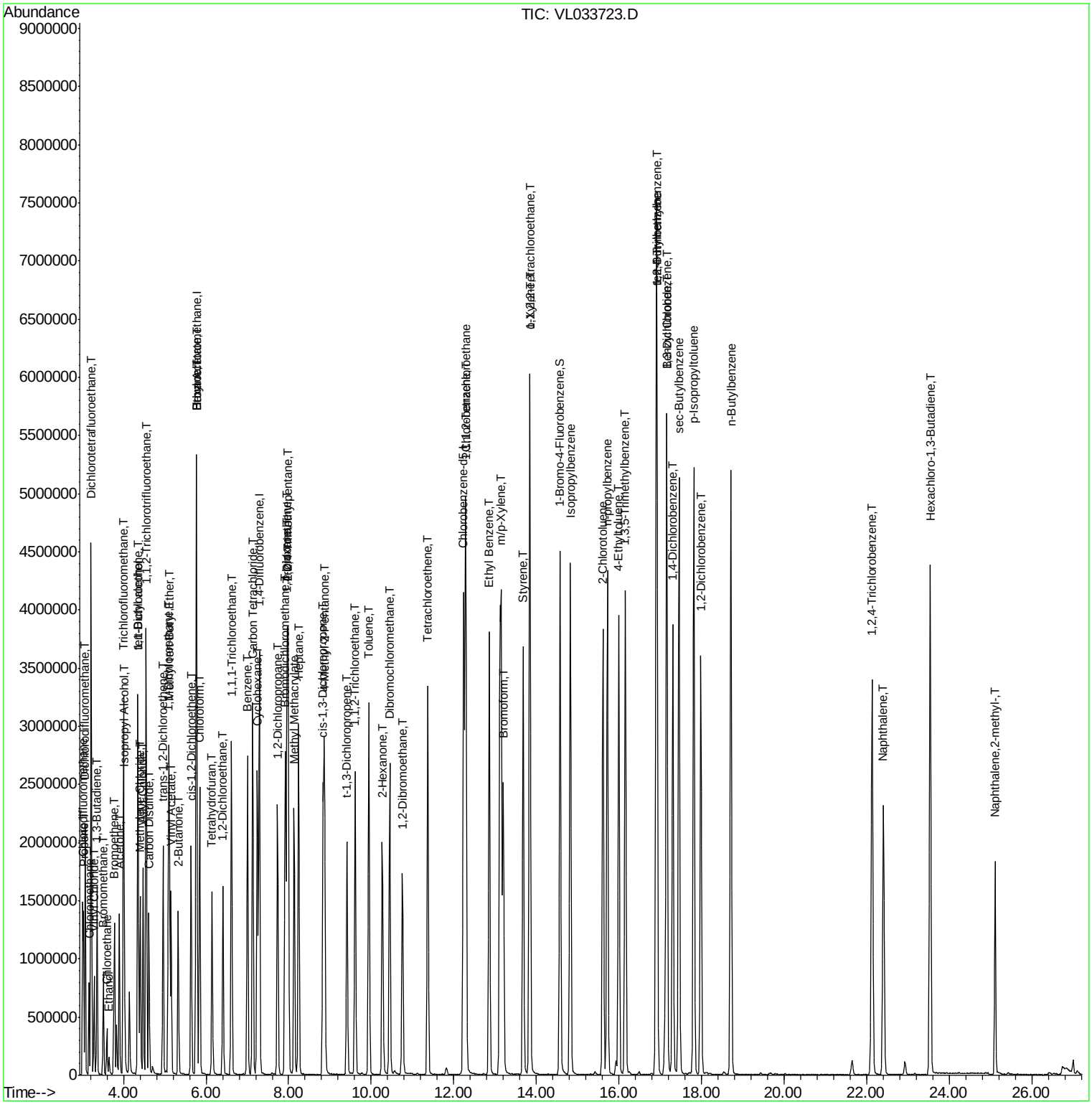
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052019\

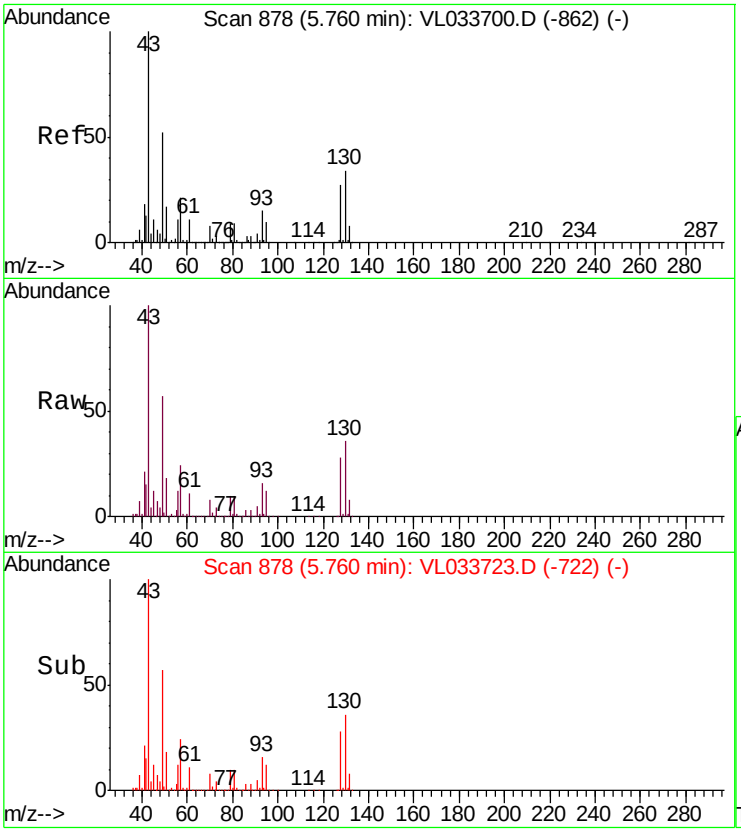
Quantitation Report (Not Reviewed)

Data File : VL033723.D
Acq On : 20 May 2019 13:33
Operator : SY/AP
Sample : VL0520ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Quant Time: May 21 01:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



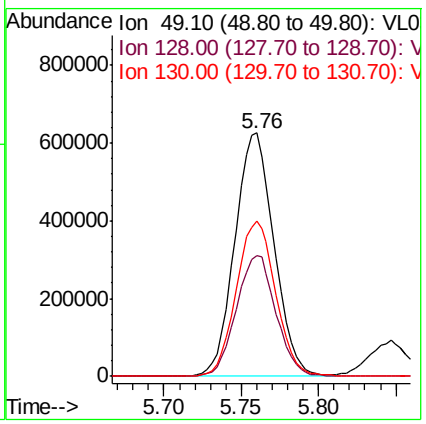


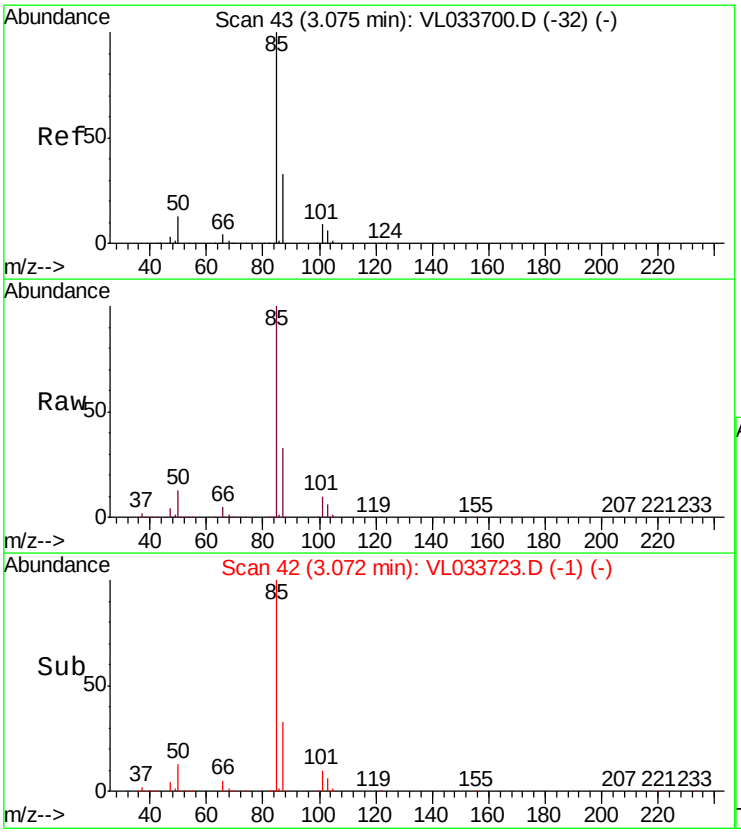
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 49 Resp: 1098754

Ion	Ratio	Lower	Upper
49	100		
128	50.4	25.2	75.6
130	64.4	32.5	97.5

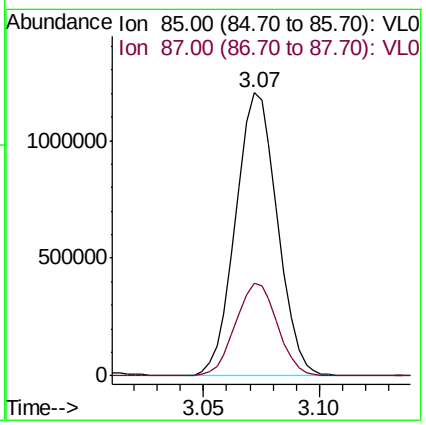


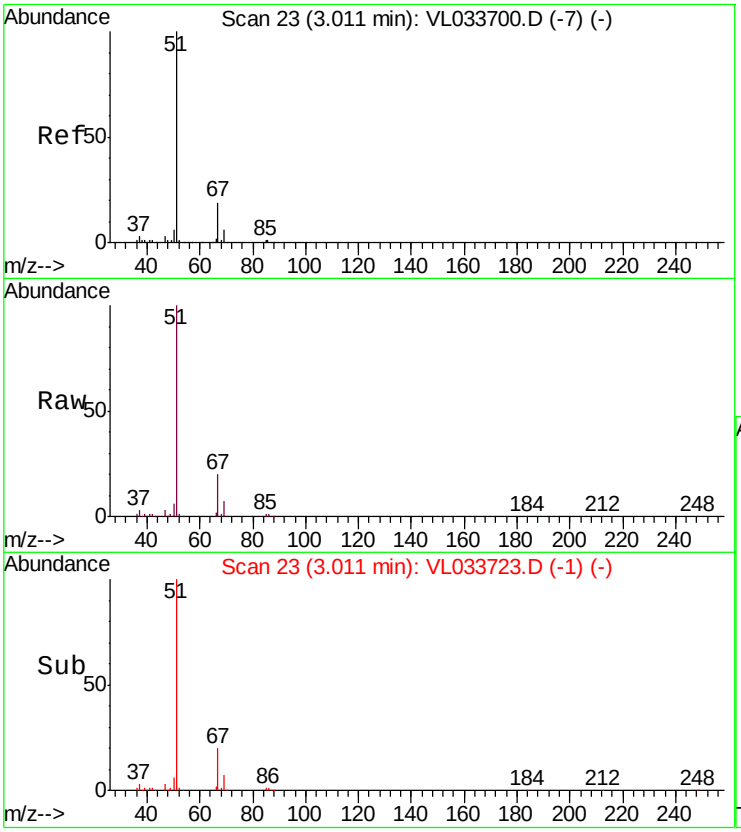


#2
Dichlorodifluoromethane
Concen: 6.491 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 85 Resp: 1503035

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.3	39.5



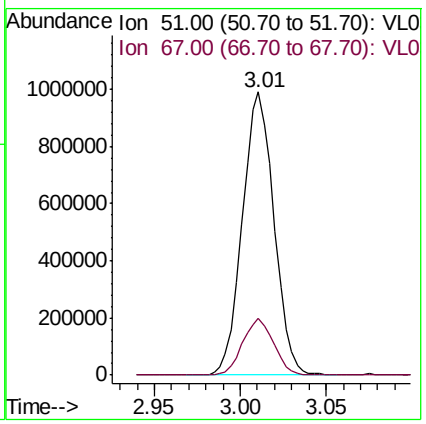


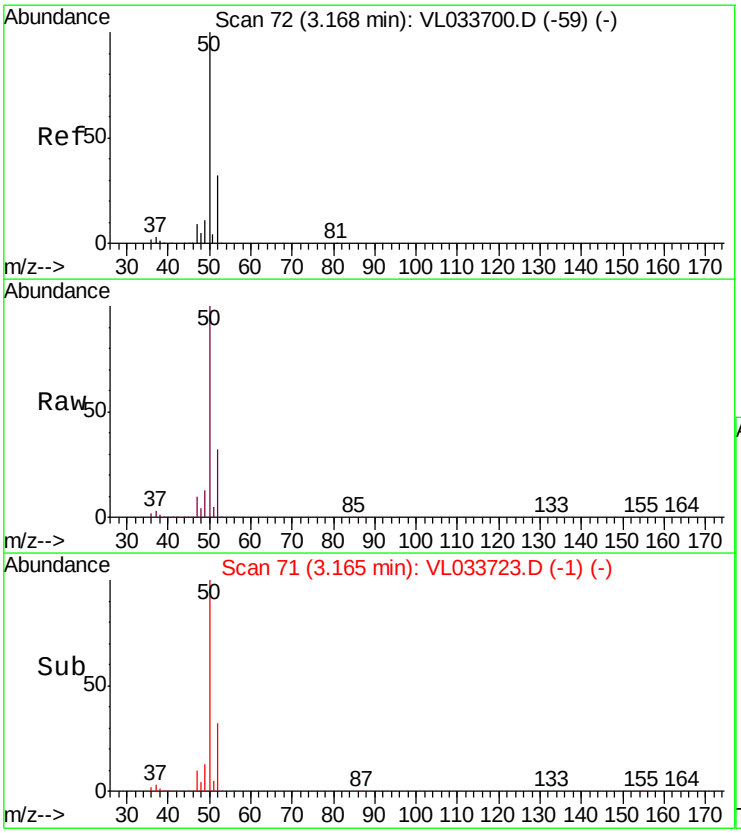
#3
Chlorodifluoromethane
Concen: 10.014 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 51 Resp: 1260344

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.6	23.4

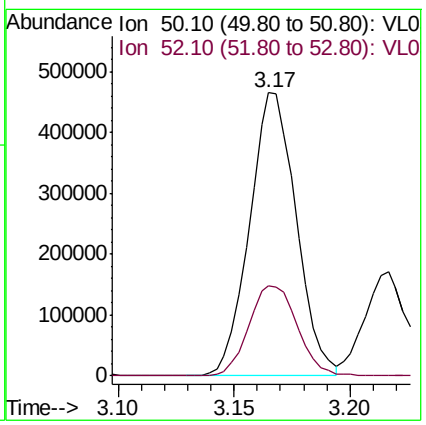


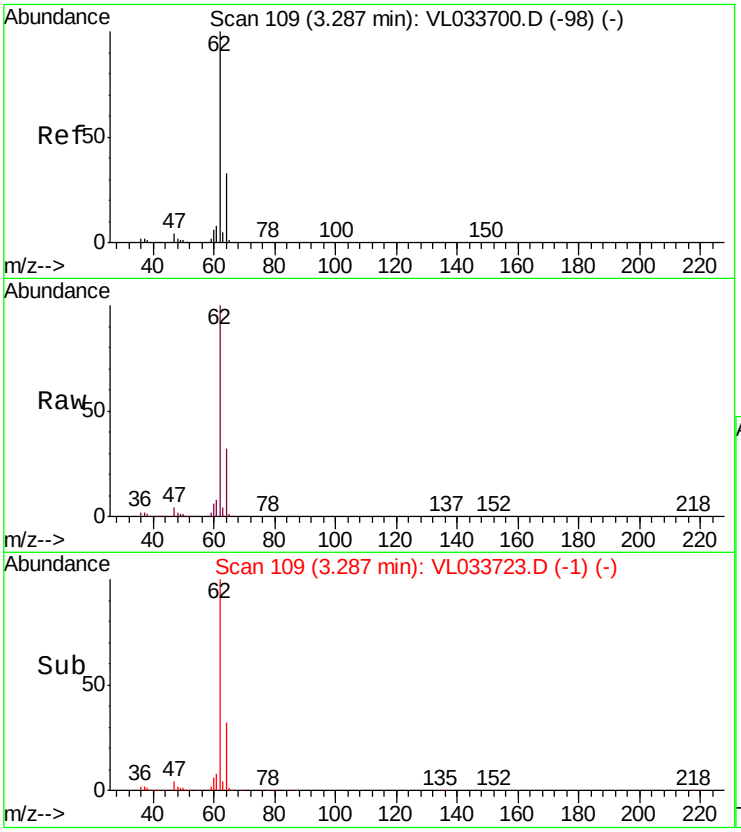


#4
Chloromethane
Concen: 9.082 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 50 Resp: 653793

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.7	38.5



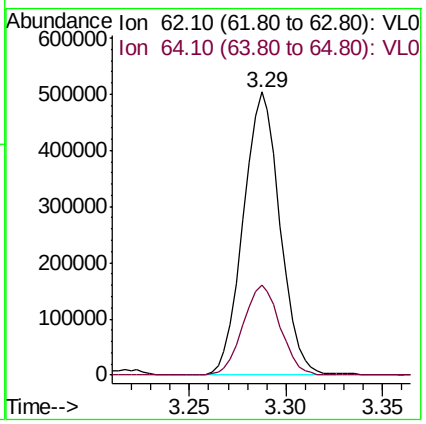


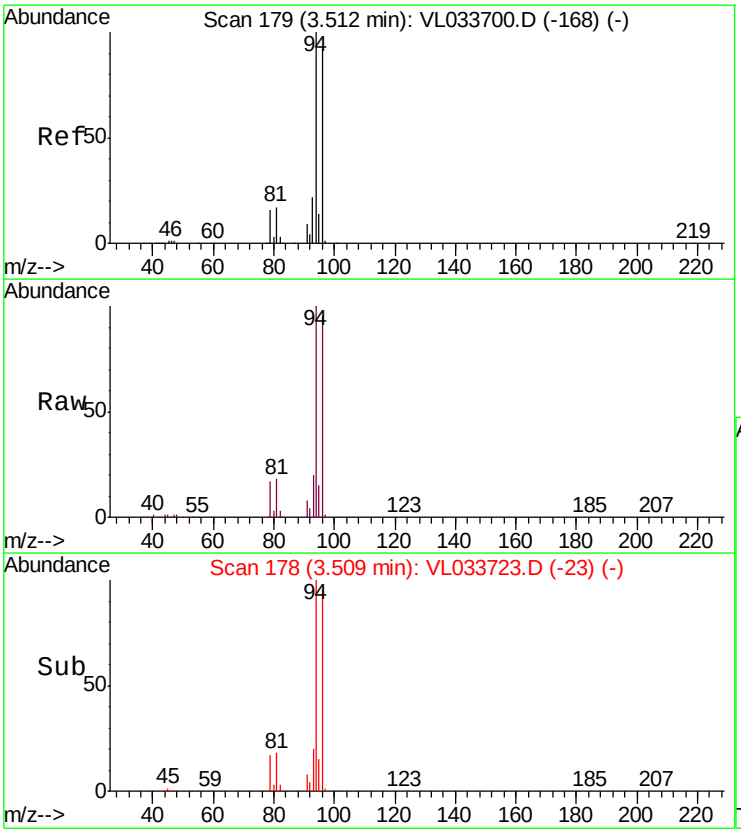
#5
Vinyl Chloride
Concen: 9.080 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 62 Resp: 665823

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.4	39.6

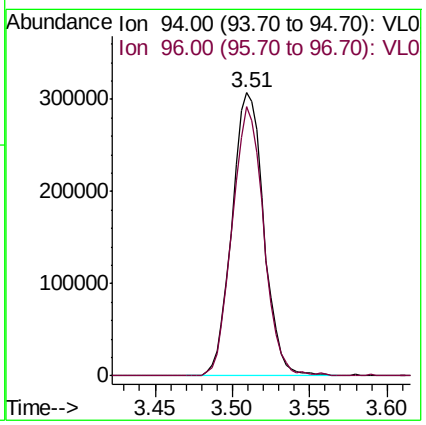


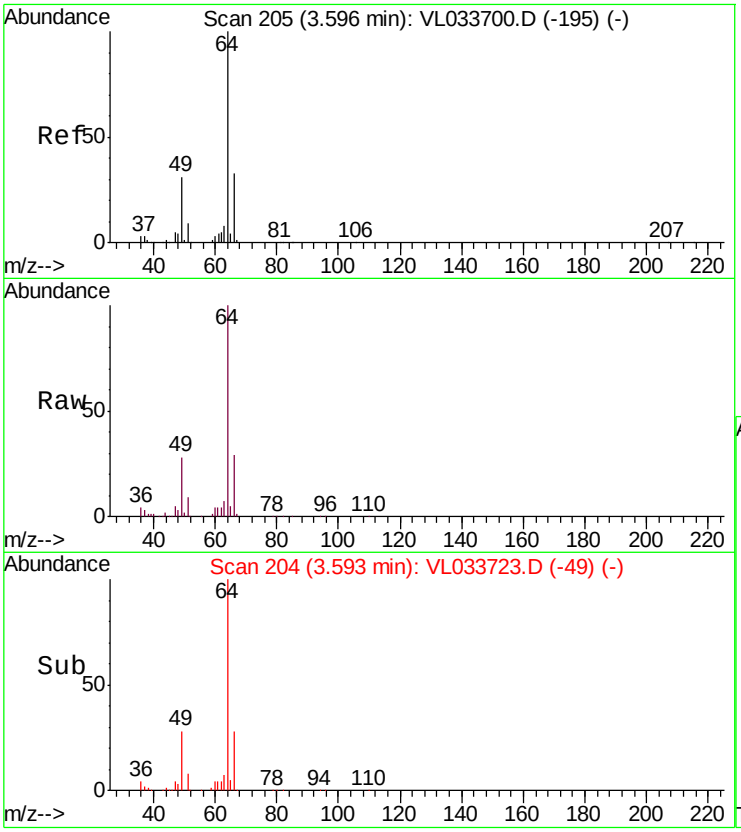


#6
Bromomethane
Concen: 9.774 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 94 Resp: 437301

Ion	Ratio	Lower	Upper
94	100		
96	95.0	73.6	110.4



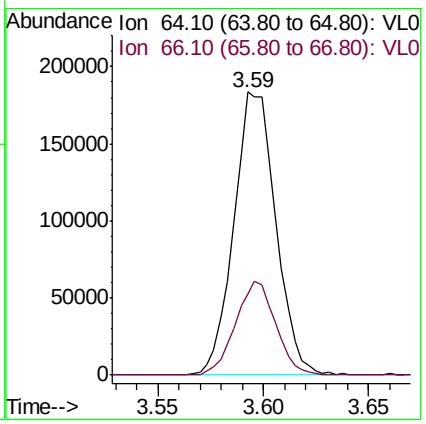


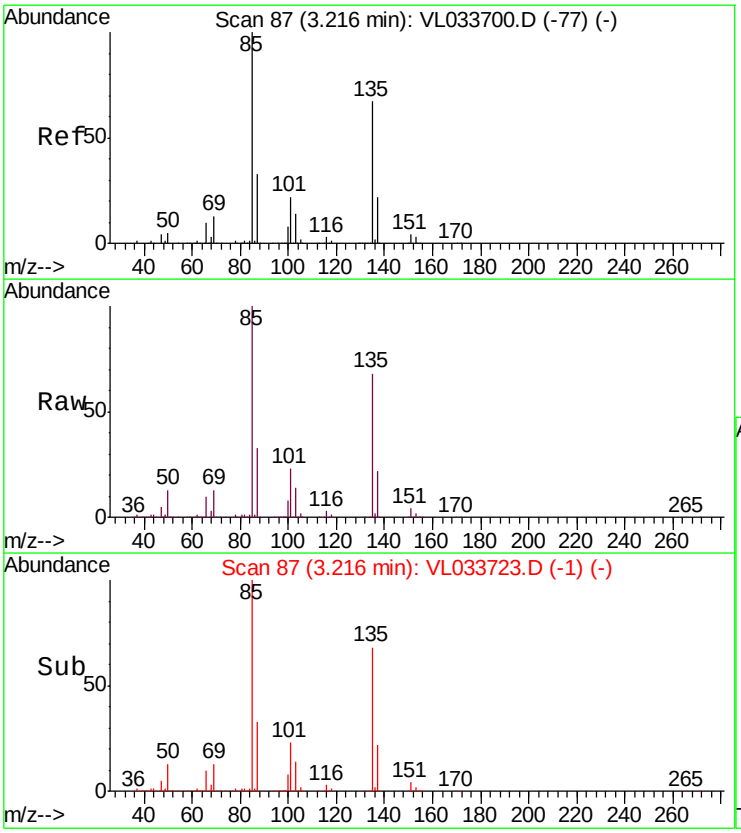
#7
Chloroethane
Concen: 9.741 ppbv
RT: 3.59 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 64 Resp: 253857

Ion	Ratio	Lower	Upper
64	100		
66	28.8	26.6	40.0

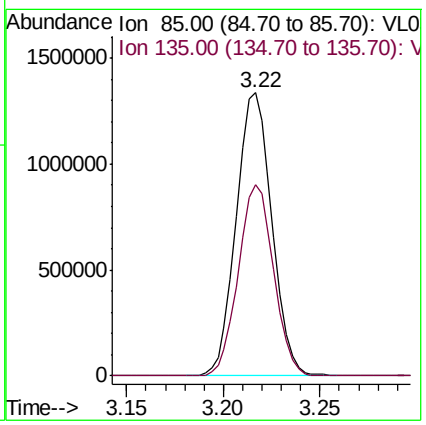


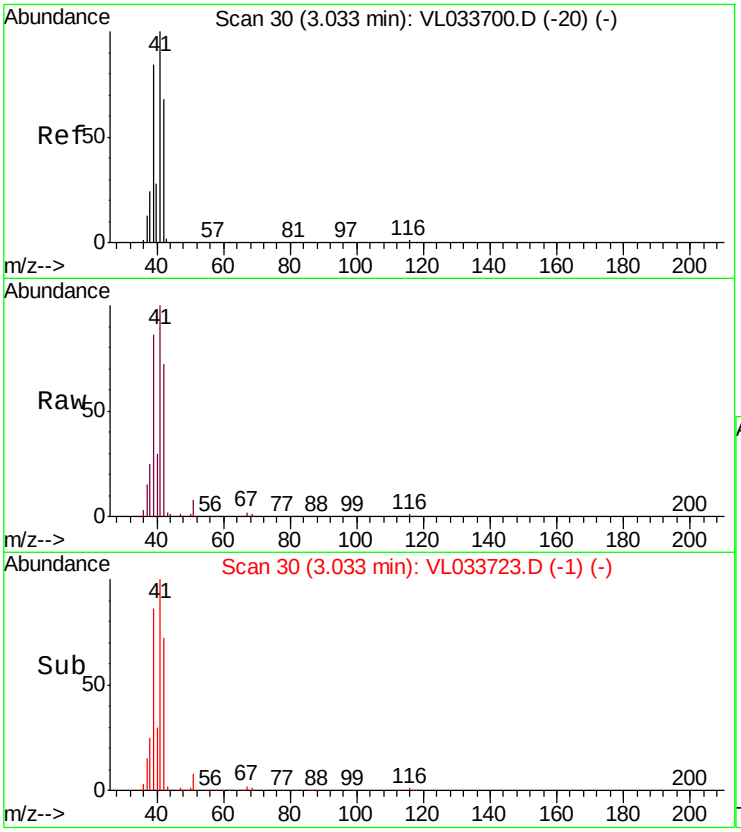


#8
Dichlorotetrafluoroethane
Concen: 9.162 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 85 Resp: 1710442

Ion	Ratio	Lower	Upper
85	100		
135	67.3	54.5	81.7



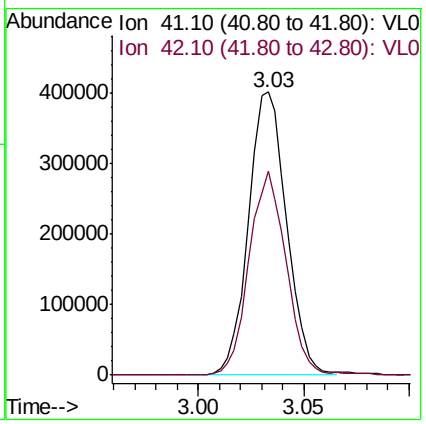


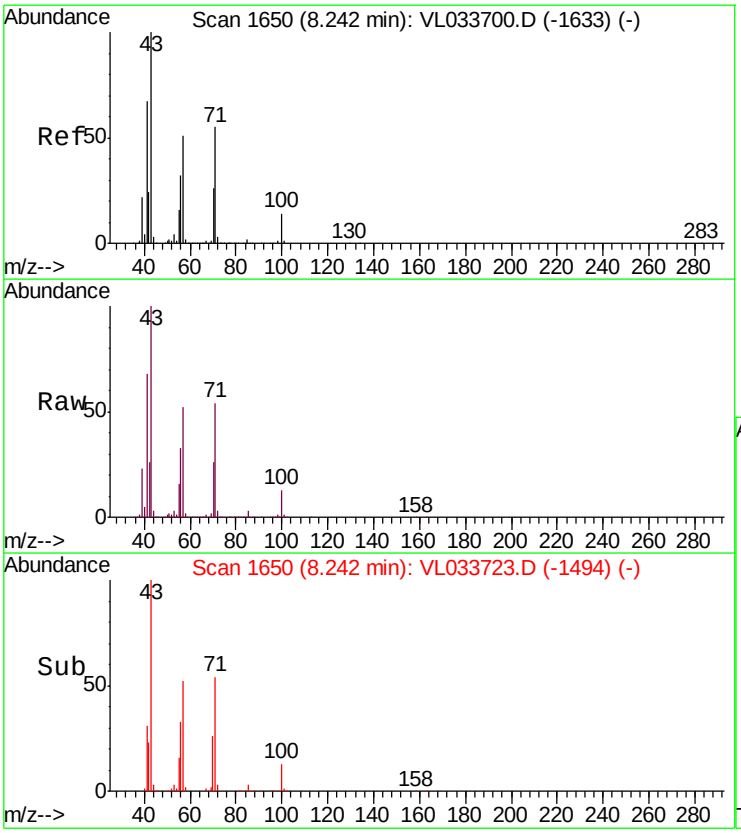
#9
Propene
Concen: 9.440 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 41 Resp: 505353

Ion	Ratio	Lower	Upper
41	100		
42	70.5	56.1	84.1

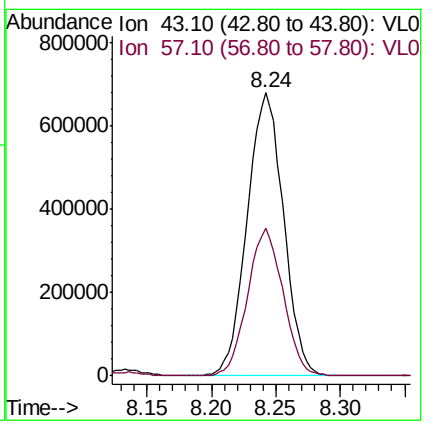


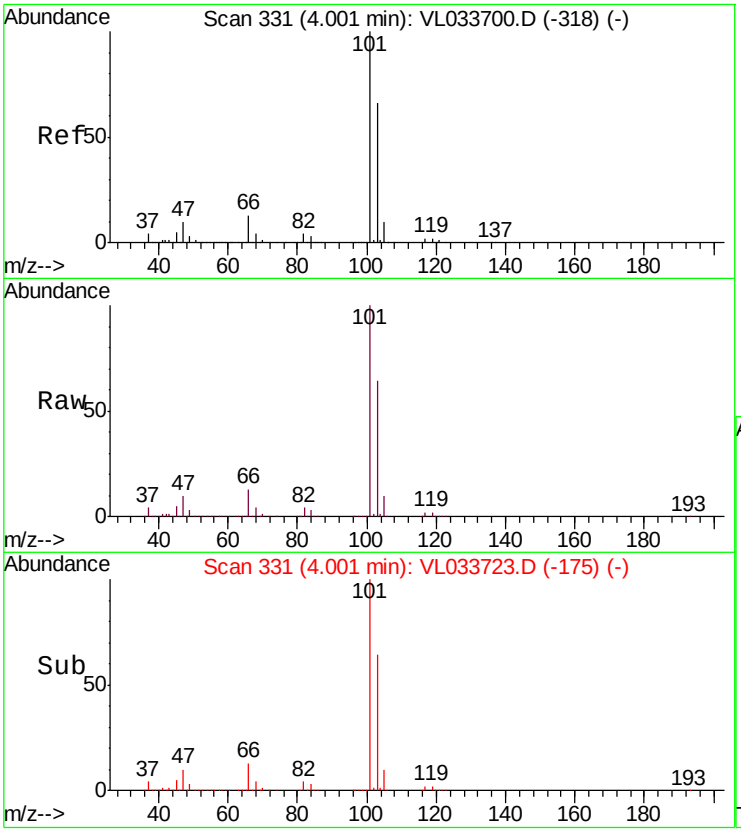


#10
Heptane
Concen: 8.783 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 43 Resp: 1331408

Ion	Ratio	Lower	Upper
43	100		
57	51.3	41.4	62.0



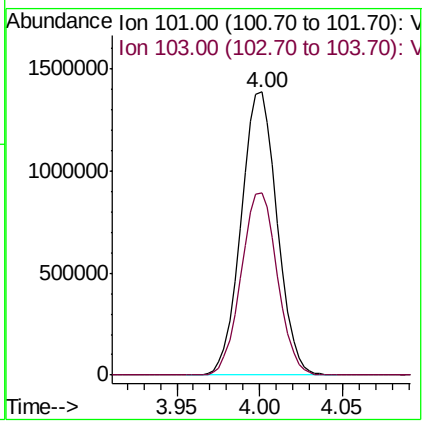


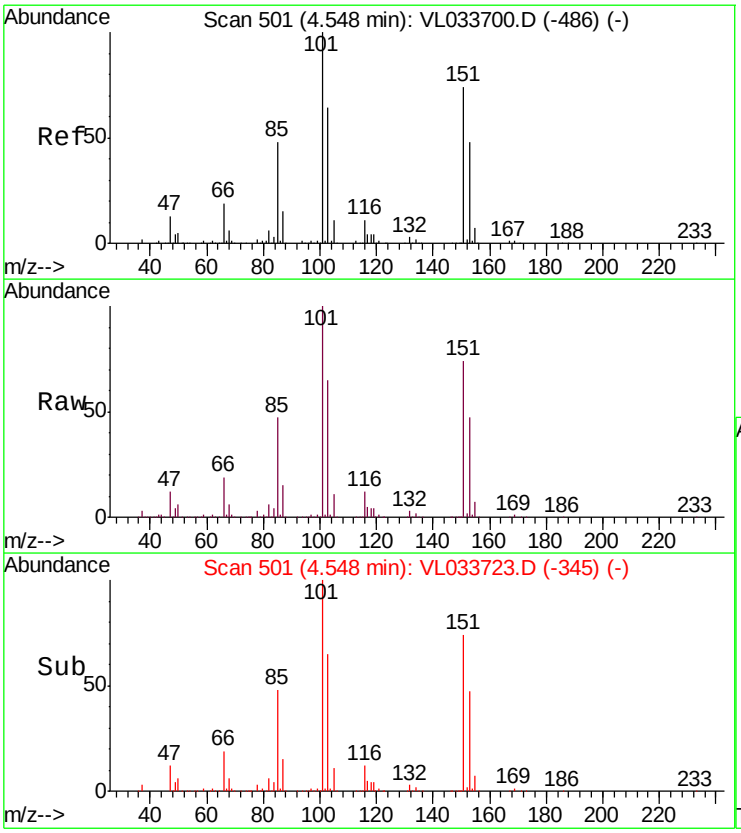
#11
Trichlorofluoromethane
Concen: 9.456 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:101 Resp: 2089861

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	78.8

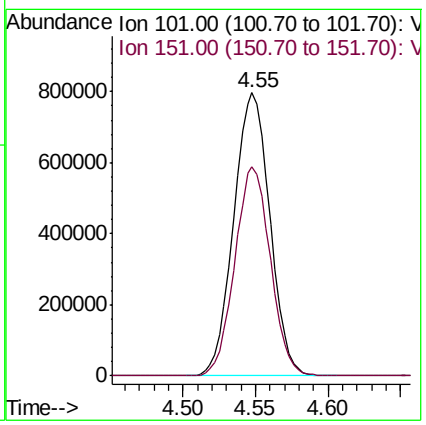


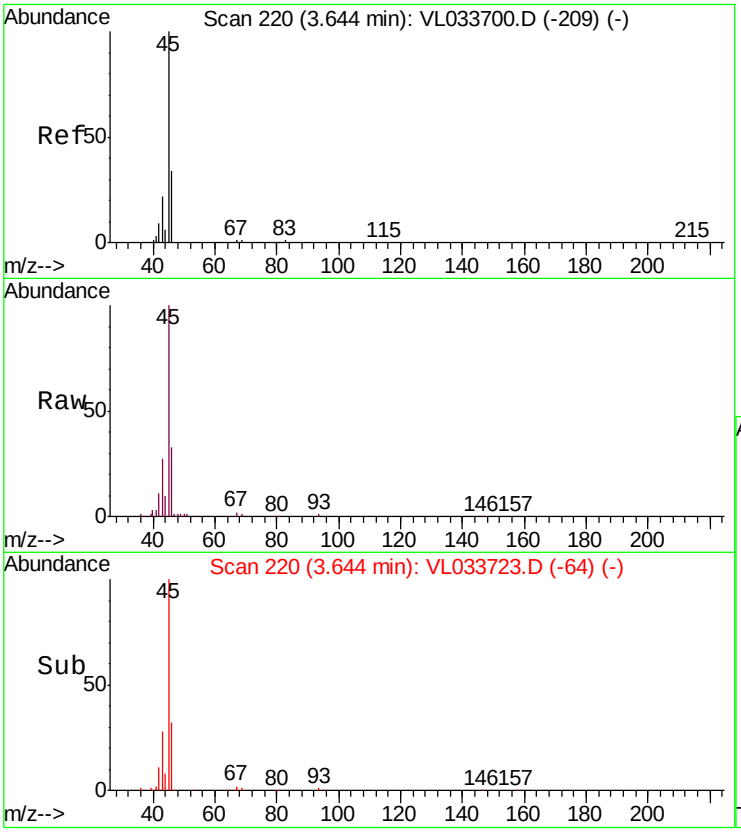


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.935 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:101 Resp: 1378865

Ion	Ratio	Lower	Upper
101	100		
151	73.0	58.2	87.4



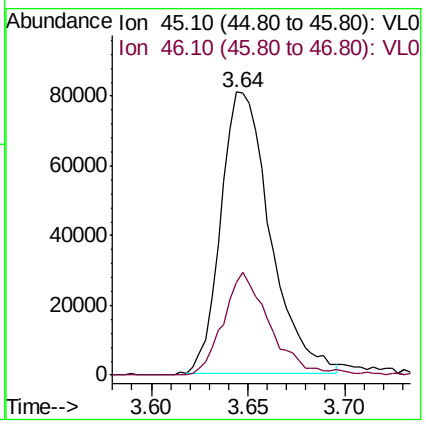


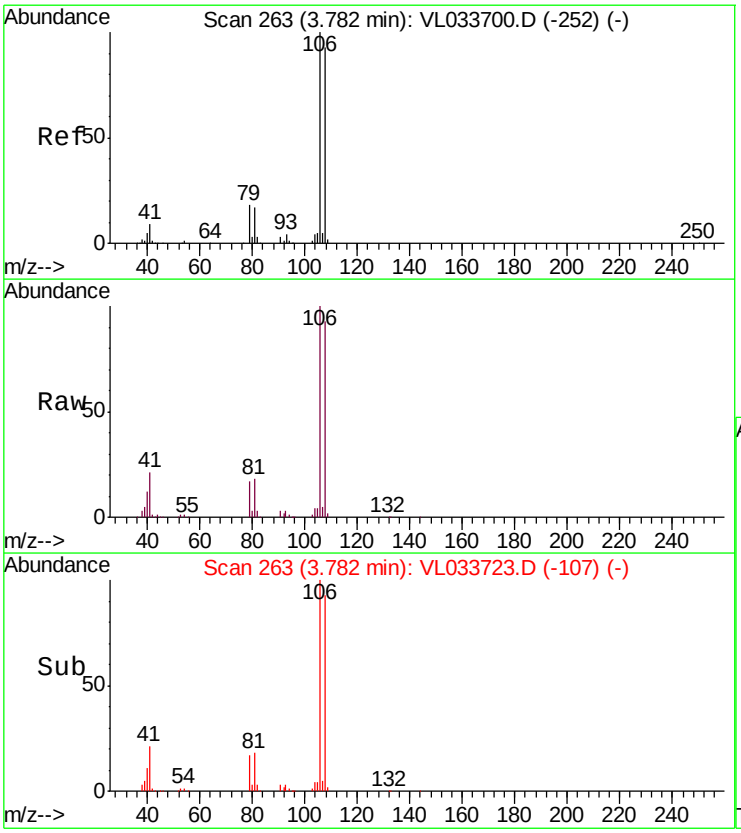
#13
Ethanol
Concen: 8.319 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 45 Resp: 143931

Ion	Ratio	Lower	Upper
45	100		
46	35.0	14.8	59.0

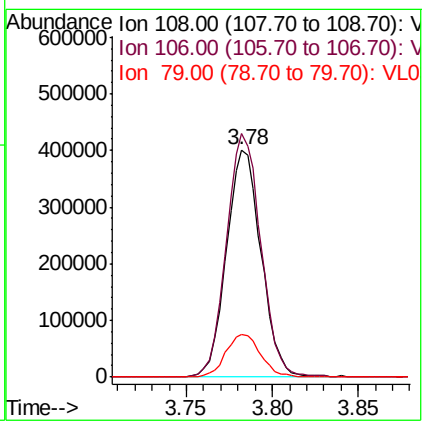


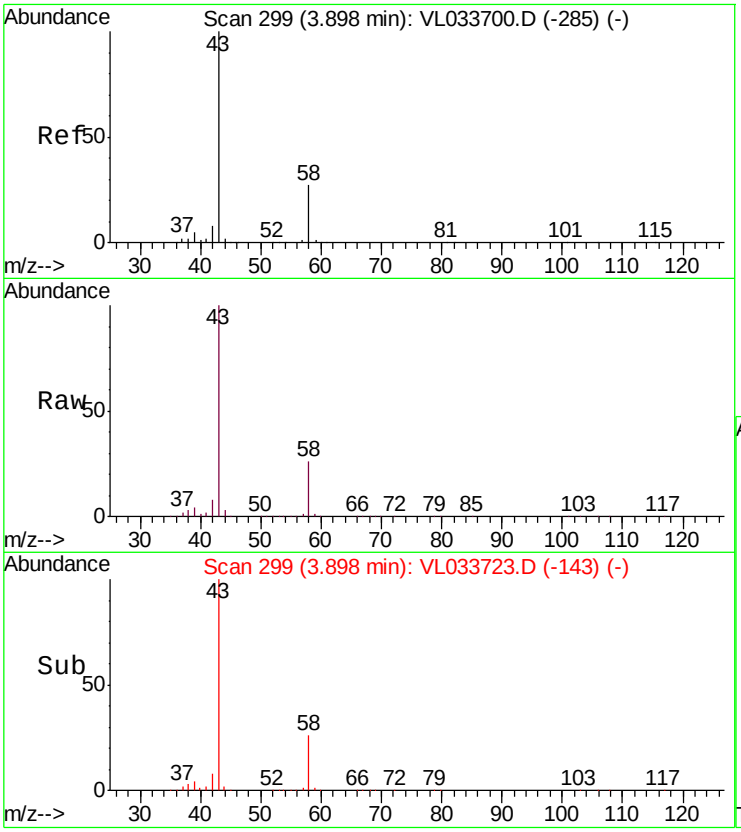


#14
Bromoethene
Concen: 9.878 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:108 Resp: 560418

Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.5	129.7
79	19.3	15.1	22.7



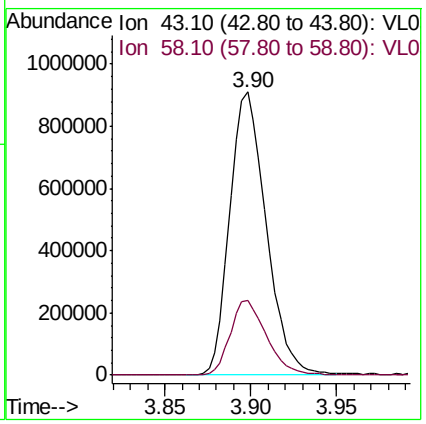


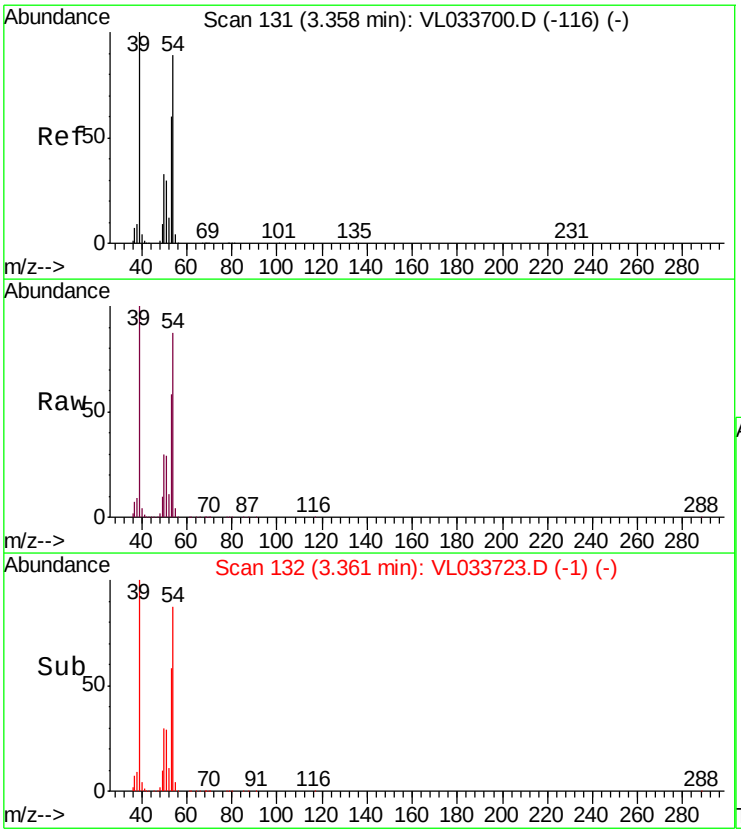
#15
Acetone
Concen: 8.800 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 43 Resp: 1341603

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.3	31.9

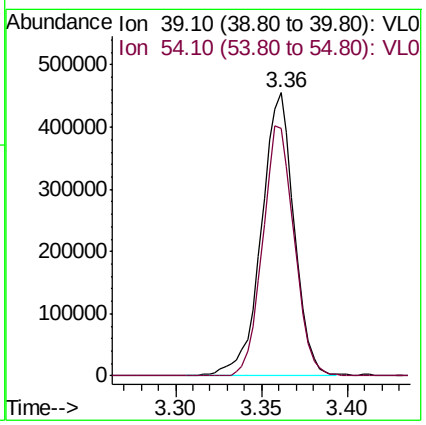


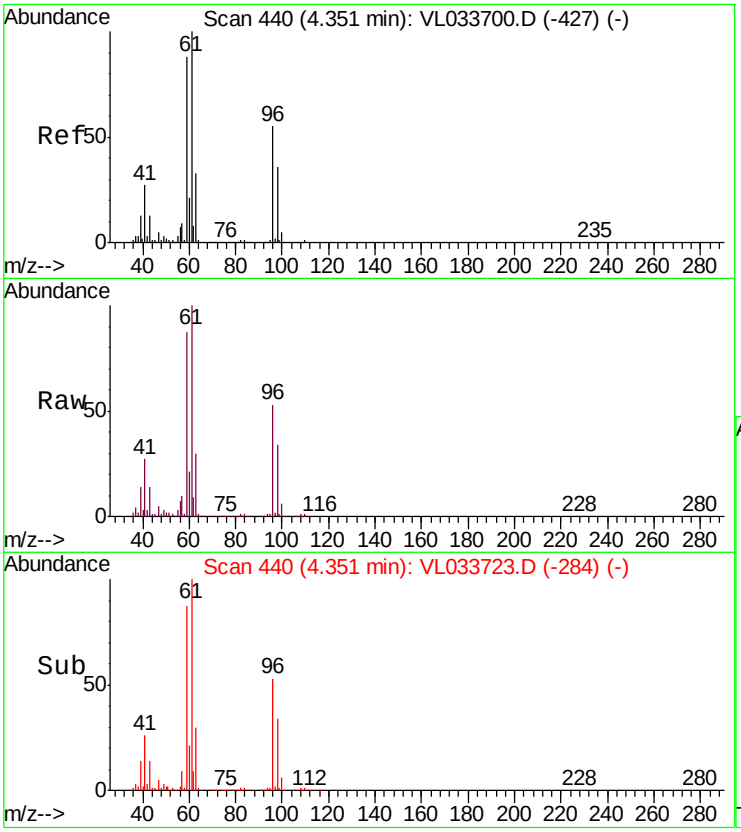


#16
1,3-Butadiene
Concen: 9.873 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 39 Resp: 599369

Ion	Ratio	Lower	Upper
39	100		
54	85.5	69.0	103.6



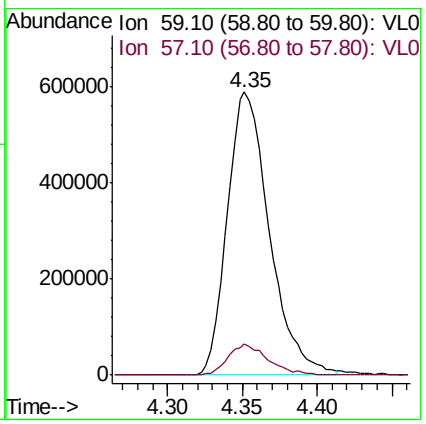


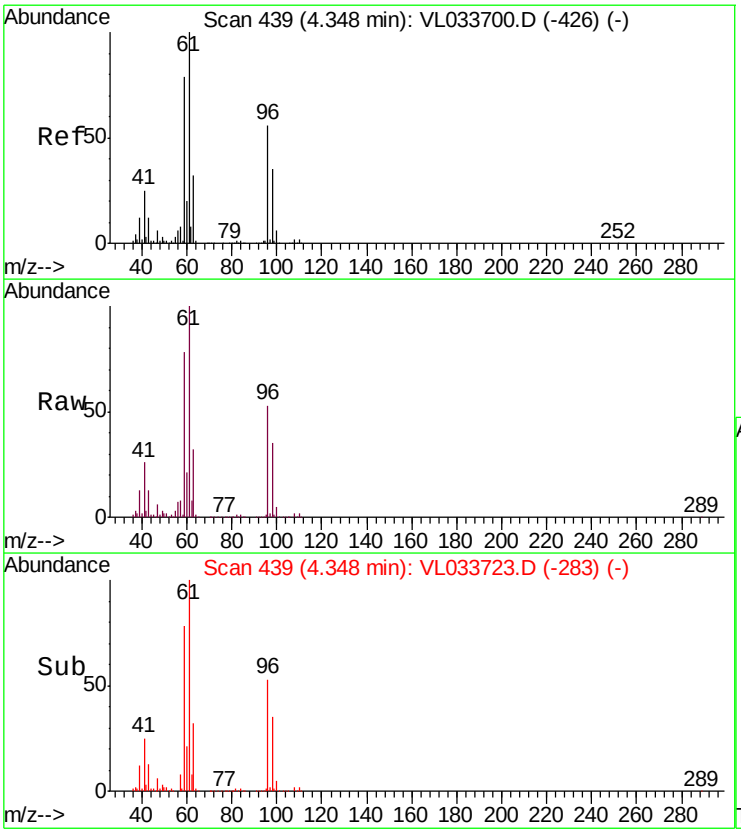
#17
tert-Butyl alcohol
Concen: 9.379 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 59 Resp: 1156203

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

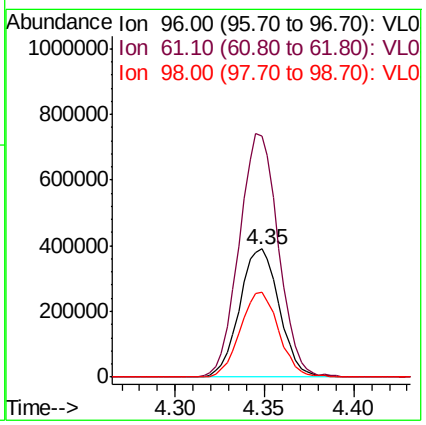


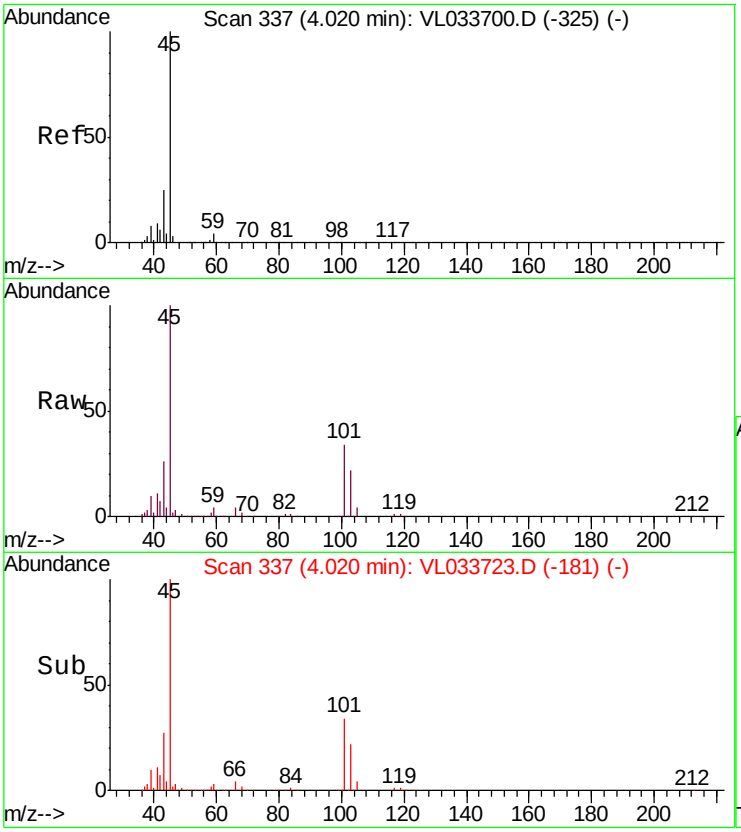


#18
1,1-Dichloroethene
Concen: 9.283 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 96 Resp: 604715

Ion	Ratio	Lower	Upper
96	100		
61	188.1	143.1	214.7
98	66.1	49.5	74.3



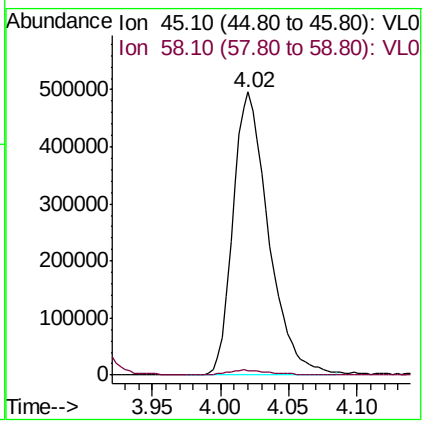


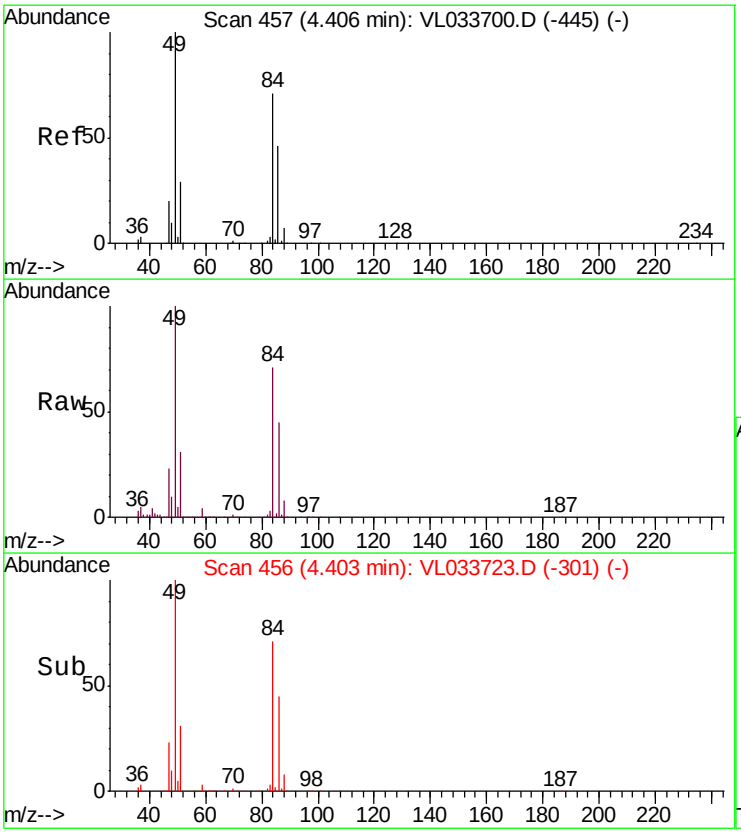
#19
Isopropyl Alcohol
Concen: 9.143 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 45 Resp: 898704

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.6	2.4

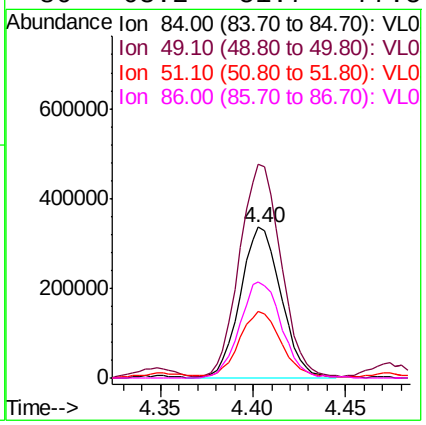


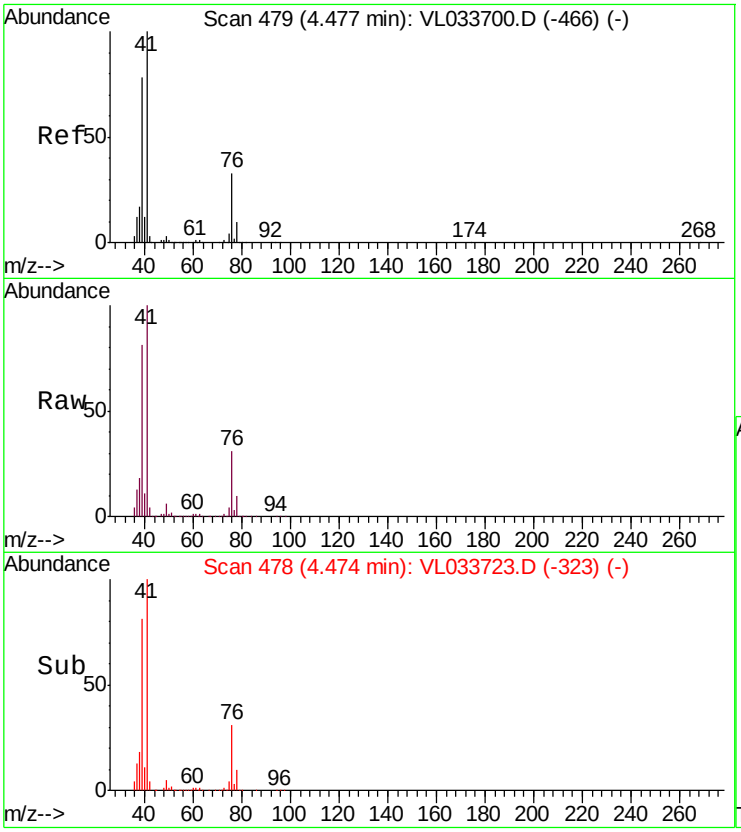


#20
Methylene Chloride
Concen: 8.699 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 84 Resp: 510607

Ion	Ratio	Lower	Upper
84	100		
49	140.1	112.8	169.2
51	42.8	33.4	50.0
86	63.2	51.7	77.5



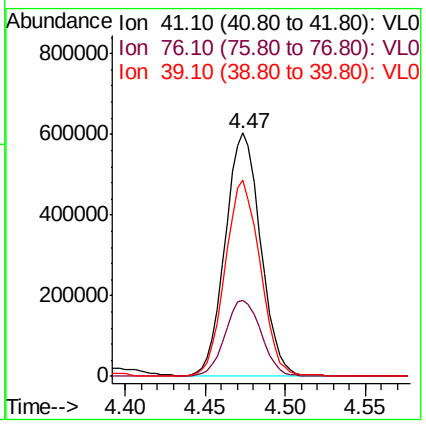


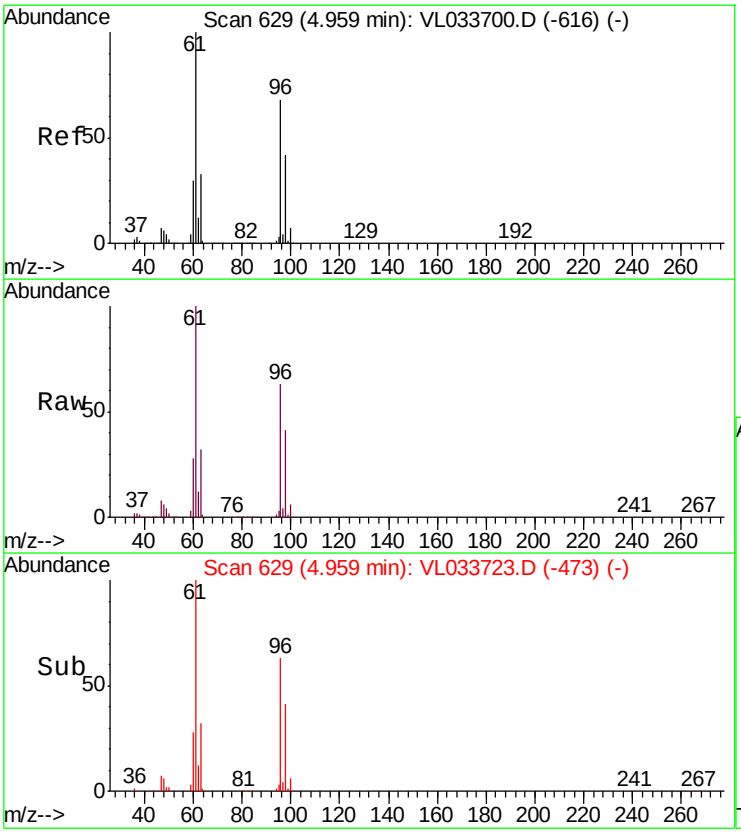
#21
Allyl Chloride
Concen: 9.506 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 41 Resp: 903860

Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	80.3	64.6	97.0

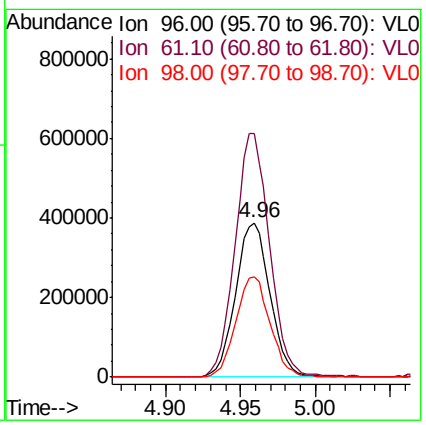


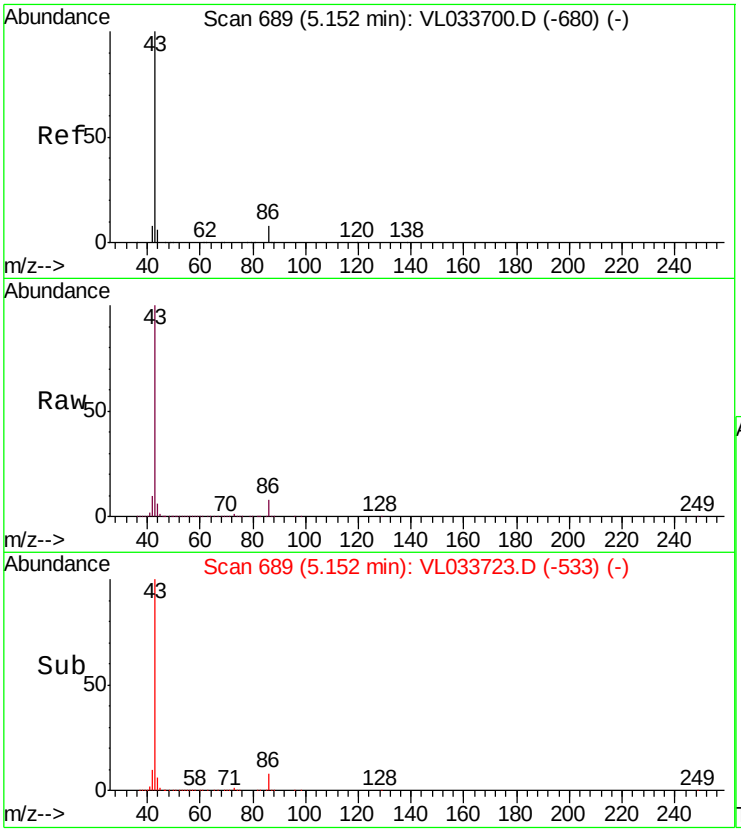


#22
trans-1,2-Dichloroethene
Concen: 9.332 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 96 Resp: 623114

Ion	Ratio	Lower	Upper
96	100		
61	158.0	116.8	175.2
98	64.9	49.4	74.0



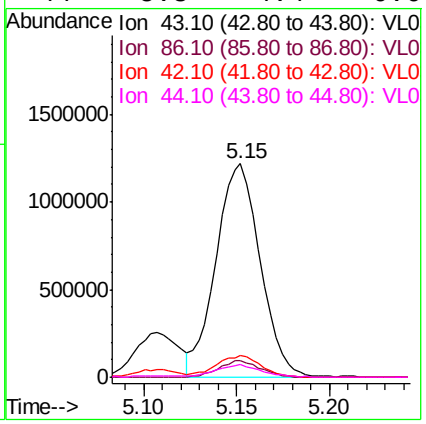


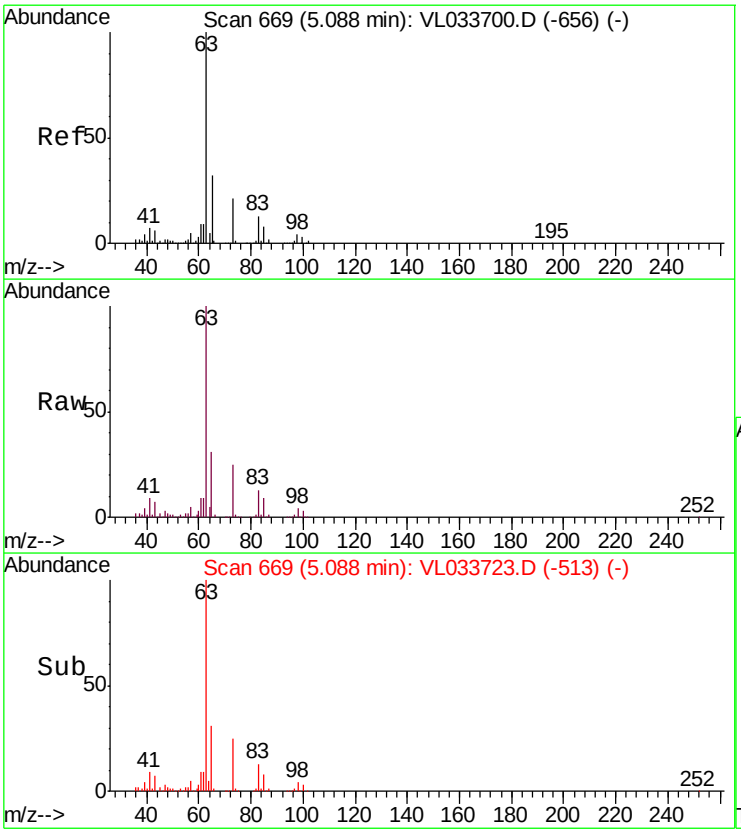
#23
Vinyl Acetate
Concen: 9.992 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 43 Resp: 2008368

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	10.2	7.5	11.3
44	5.8	4.4	6.6

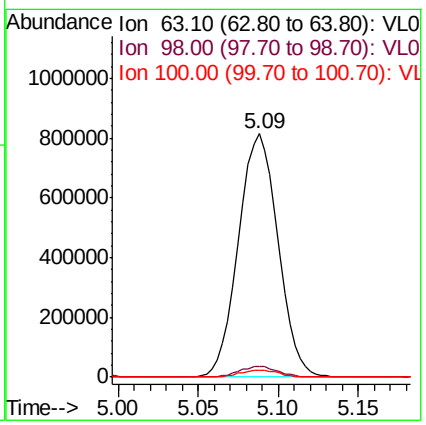


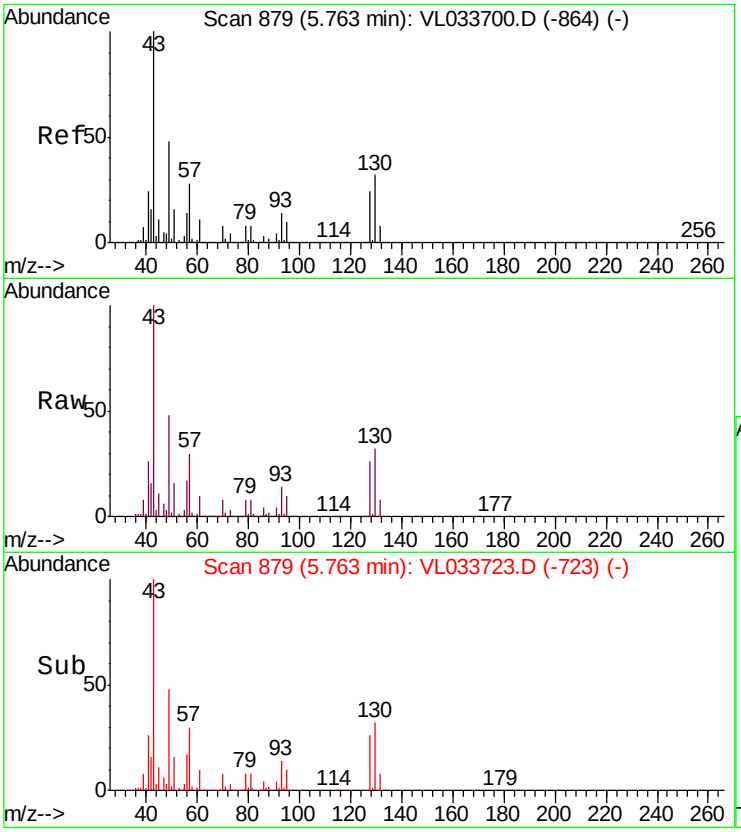


#24
1,1-Dichloroethane
Concen: 8.987 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 63 Resp: 1373205

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	2.8	1.4	4.2



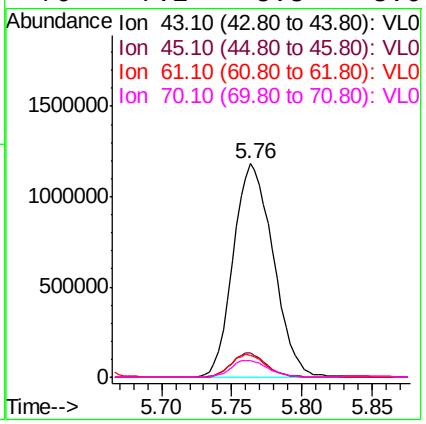


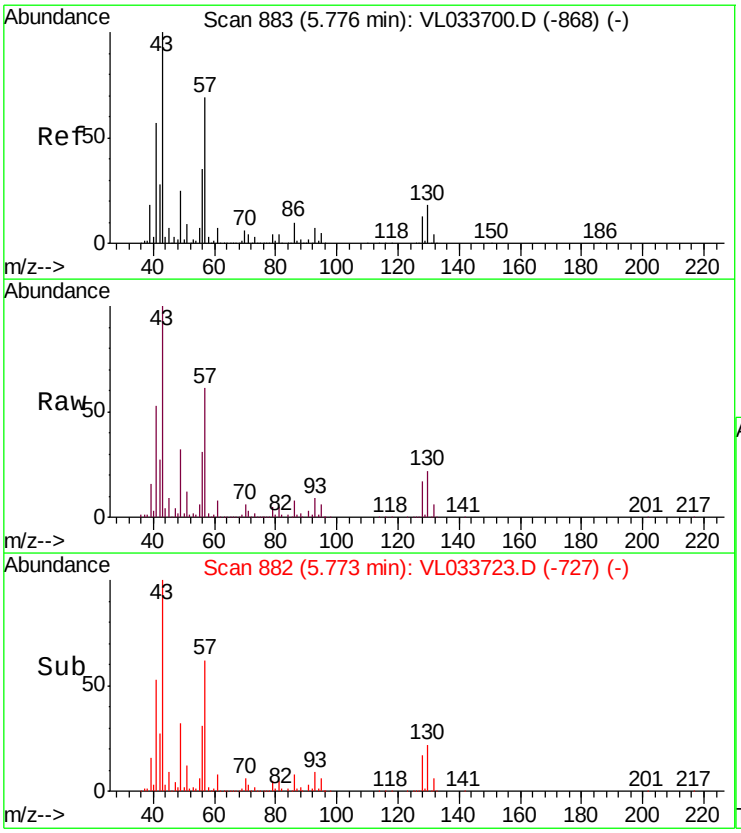
#25
Ethyl Acetate
Concen: 8.753 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 43 Resp: 2344153

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.7	11.5
70	7.2	5.8	8.6

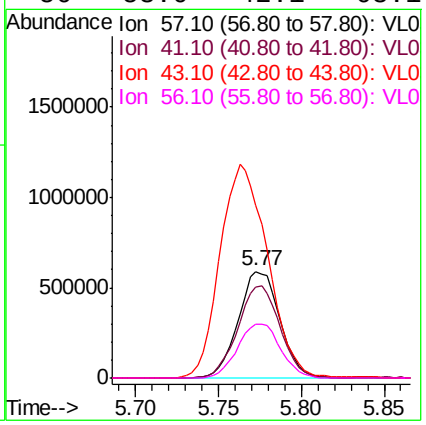


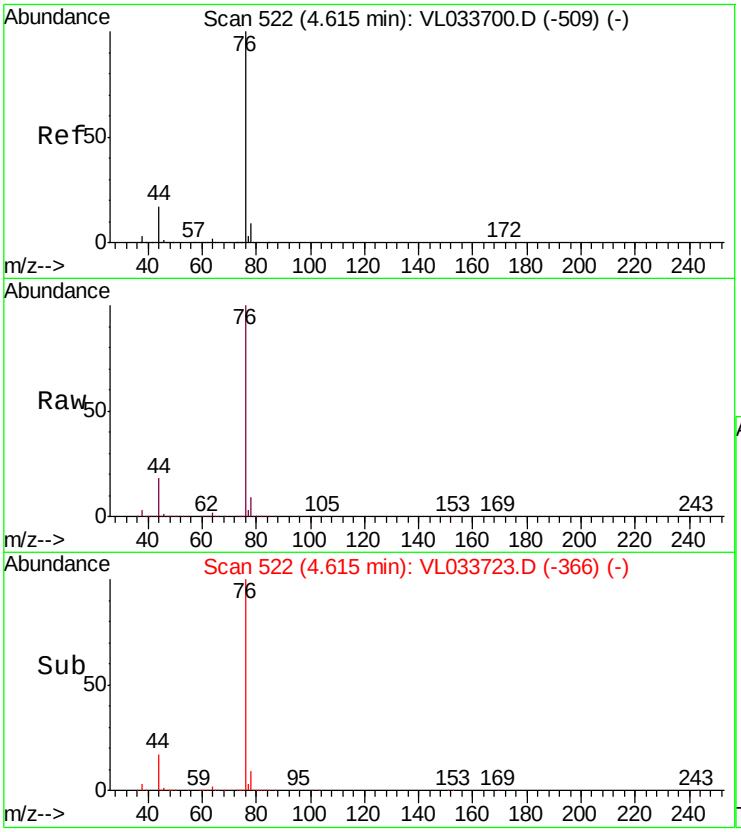


#26
Hexane
Concen: 8.870 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 57 Resp: 1021149

Ion	Ratio	Lower	Upper
57	100		
41	88.4	69.8	104.6
43	231.0	181.8	272.6
56	53.0	42.1	63.1



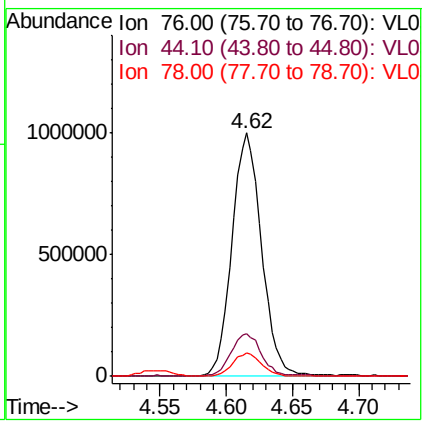


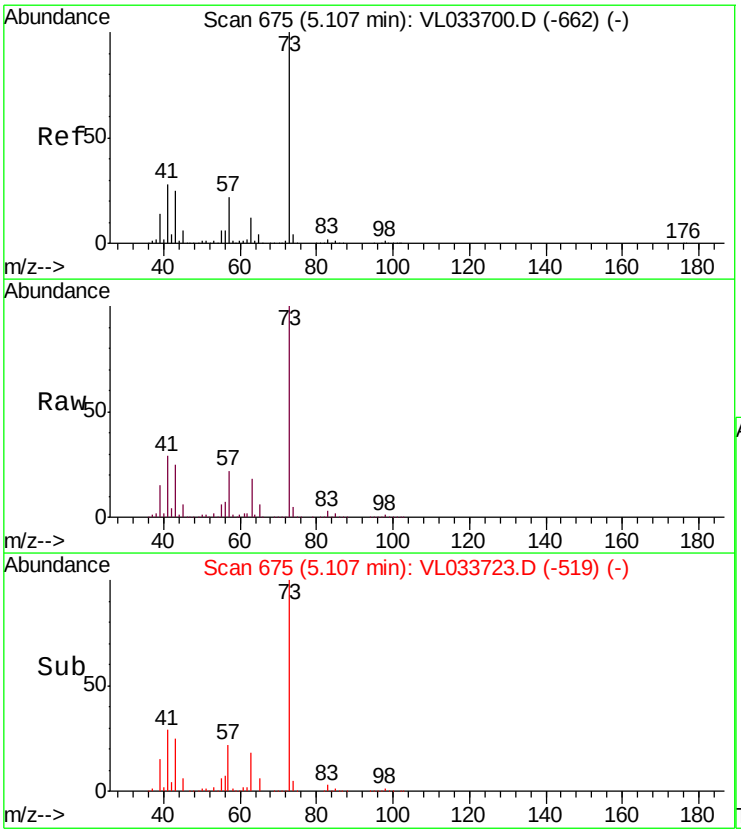
#27
Carbon Disulfide
Concen: 9.828 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 76 Resp: 1552301

Ion	Ratio	Lower	Upper
76	100		
44	18.1	13.8	20.8
78	9.4	7.4	11.0

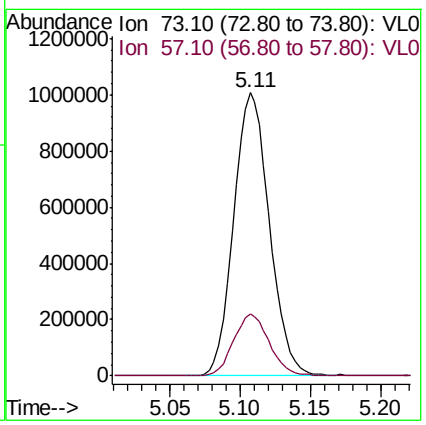


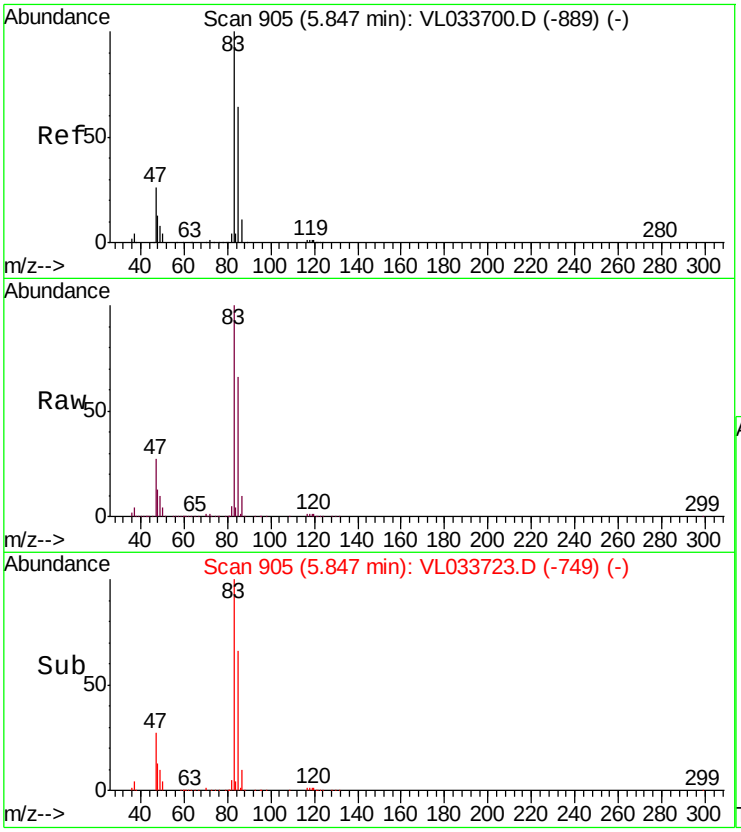


#28
Methyl tert-Butyl Ether
Concen: 9.509 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 73 Resp: 1784660

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2



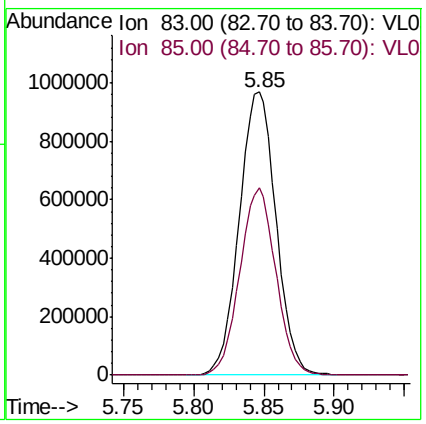


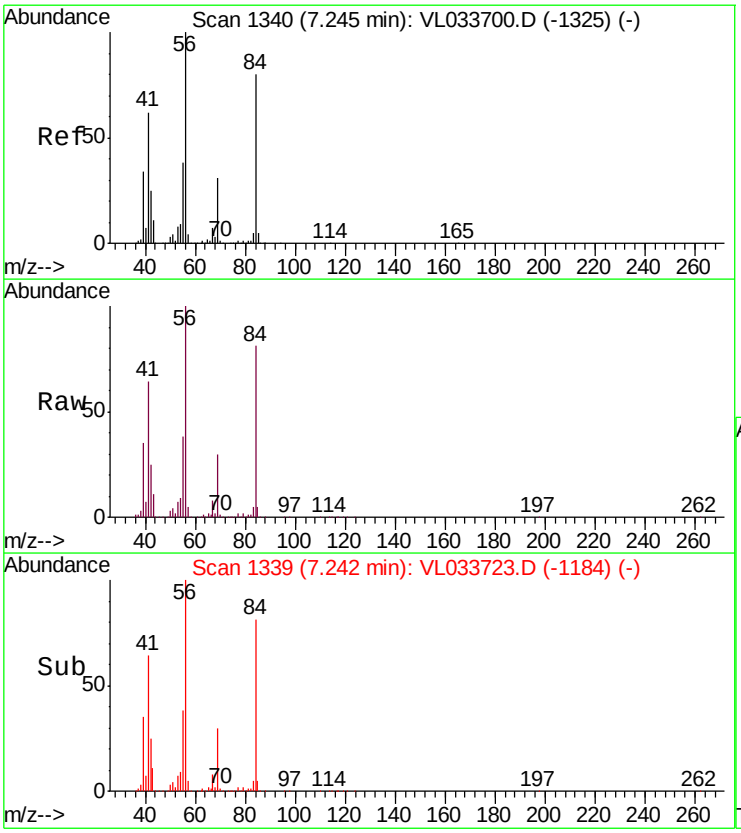
#29
Chloroform
Concen: 8.339 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 83 Resp: 1768485

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3

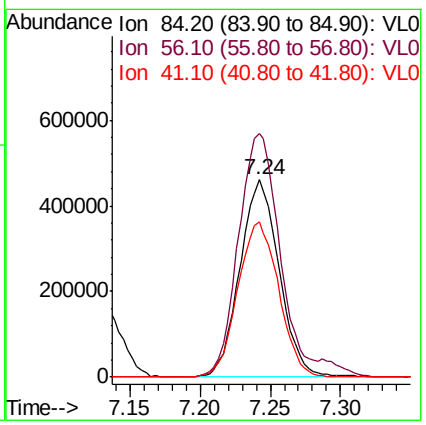


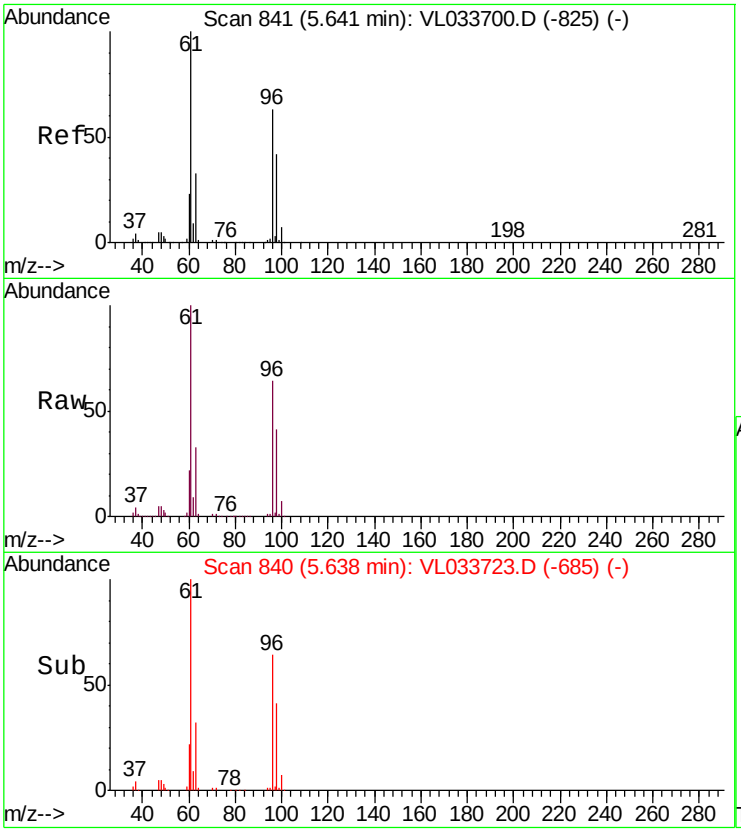


#30
Cyclohexane
Concen: 9.302 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 84 Resp: 900296

Ion	Ratio	Lower	Upper
84	100		
56	134.1	107.7	161.5
41	81.7	66.0	99.0



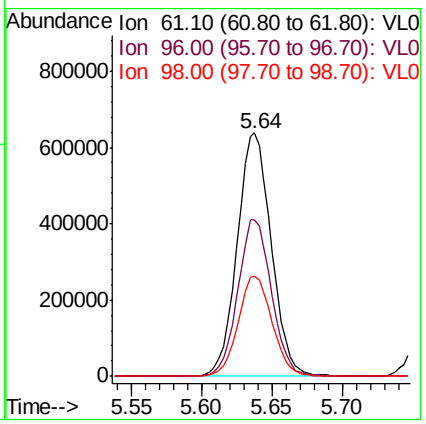


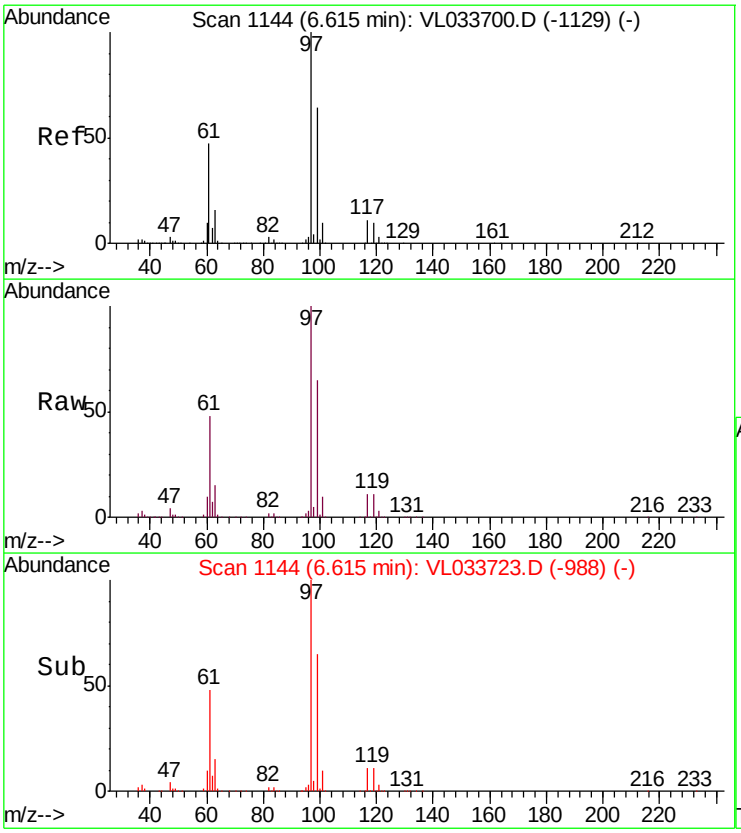
#31
cis-1,2-Dichloroethene
Concen: 9.453 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 61 Resp: 1079096

Ion	Ratio	Lower	Upper
61	100		
96	64.1	50.8	76.2
98	41.4	33.3	49.9

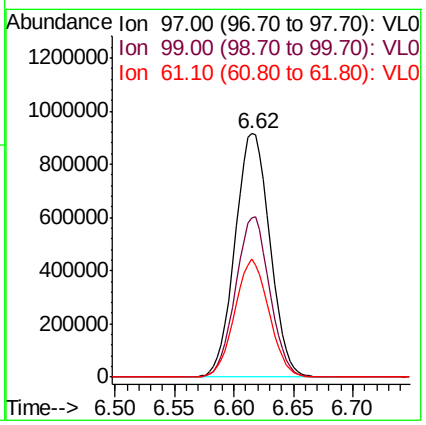


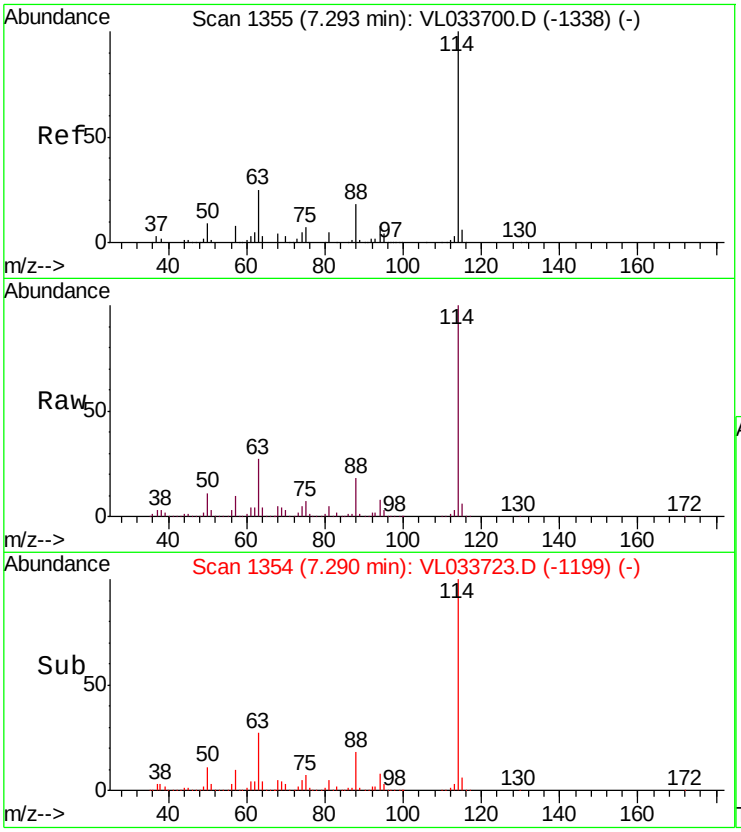


#32
1,1,1-Trichloroethane
Concen: 8.799 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 97 Resp: 1863137

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	47.4	37.8	56.8



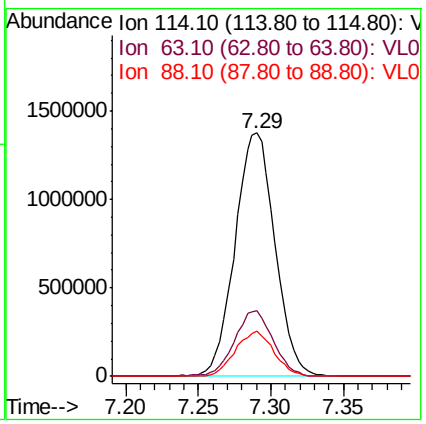


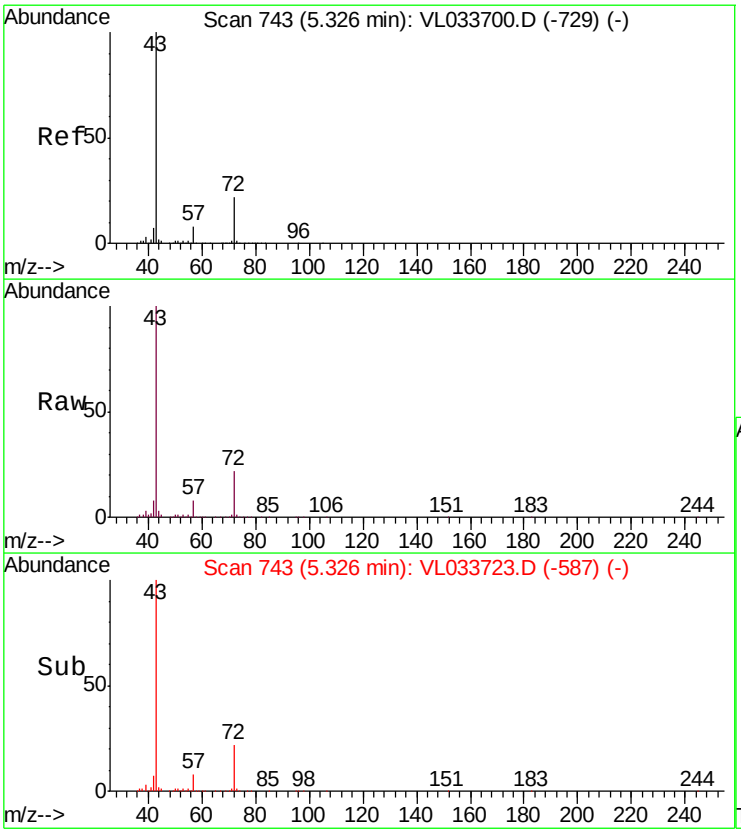
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:114 Resp: 2628418

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.9	31.3
88	18.0	14.3	21.5

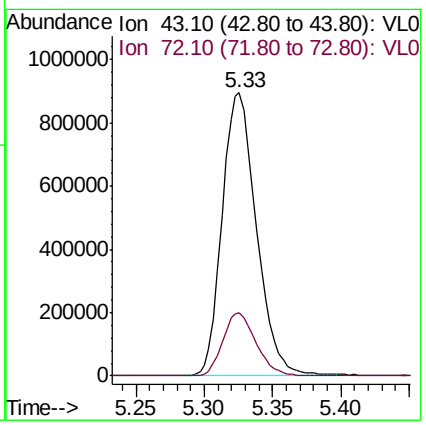


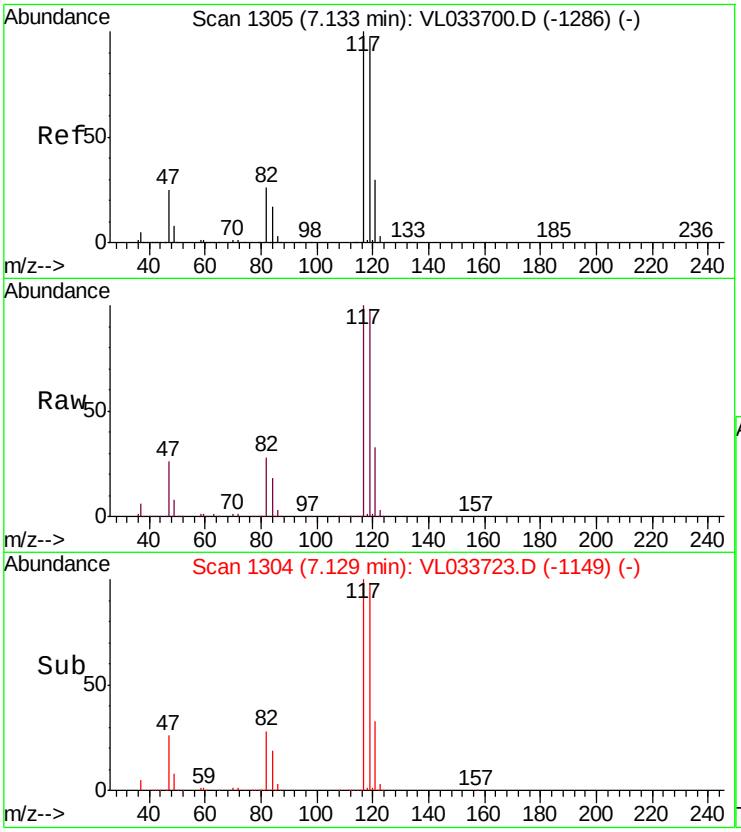


#34
2-Butanone
Concen: 9.538 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 43 Resp: 1553947

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6



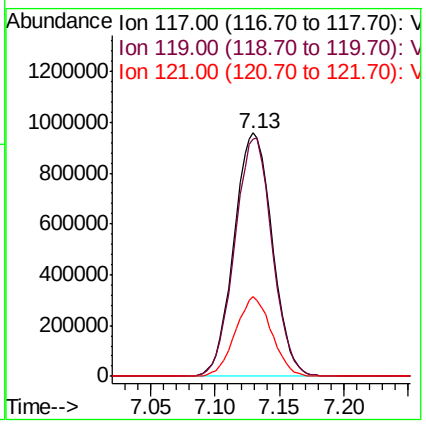


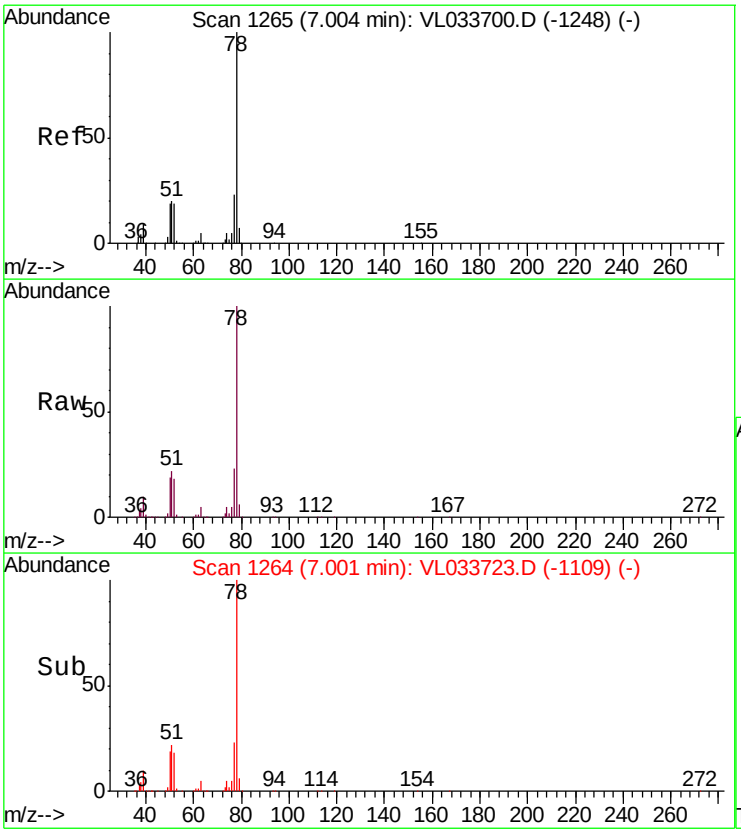
#35
Carbon Tetrachloride
Concen: 9.410 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:117 Resp: 1981187

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.2	115.8
121	32.7	24.1	36.1

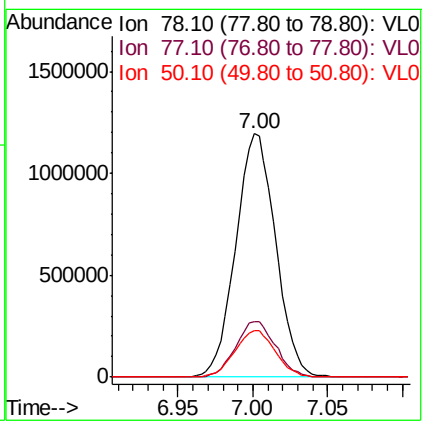


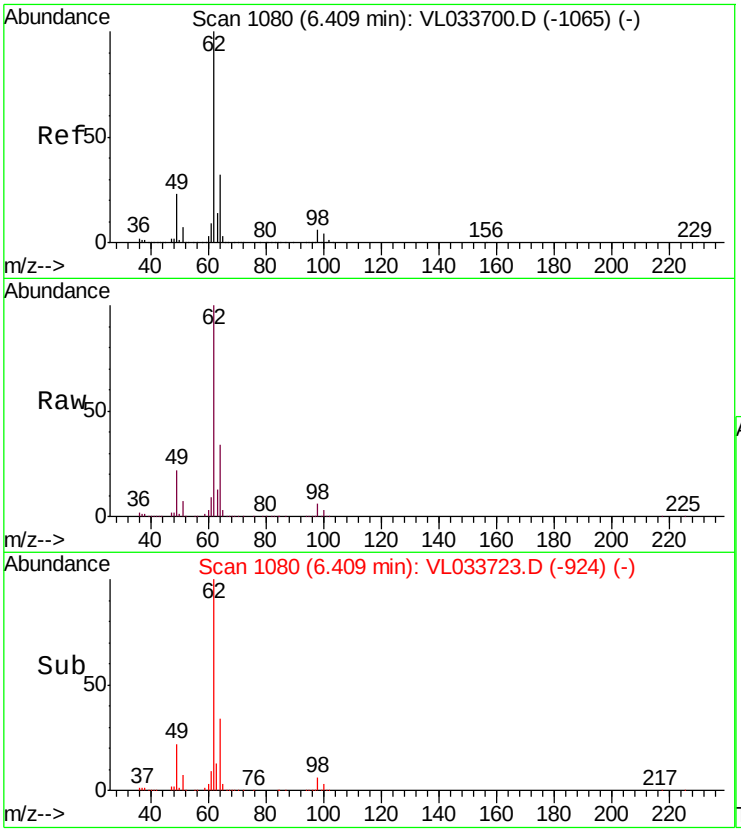


#36
Benzene
Concen: 9.257 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 78 Resp: 2213239

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6
50	19.2	15.5	23.3



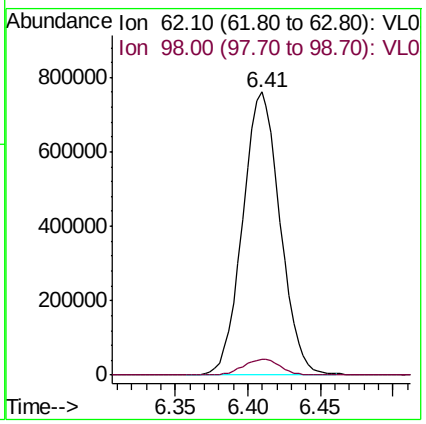


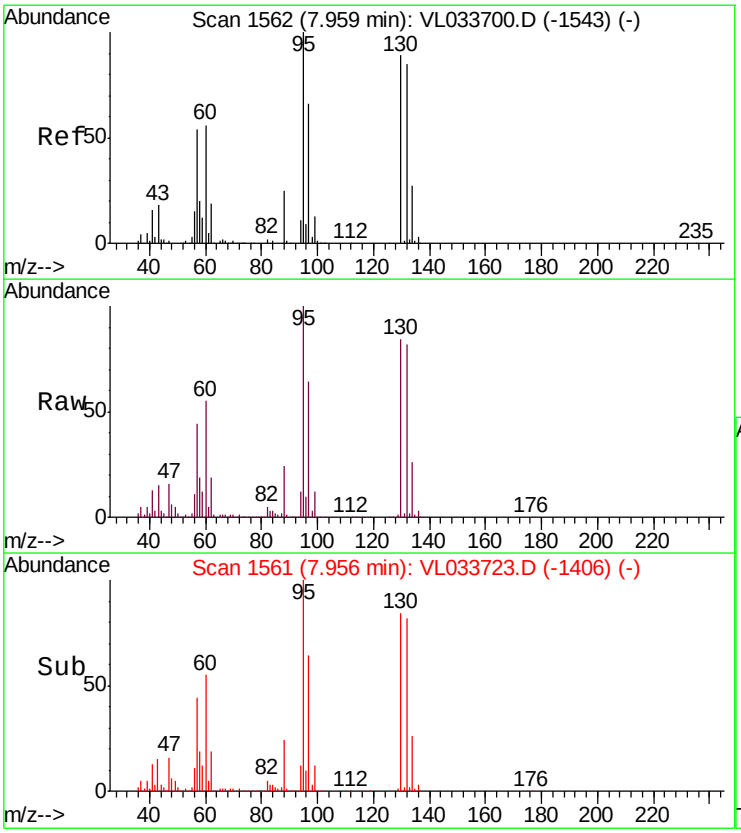
#37
1,2-Dichloroethane
Concen: 8.866 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 62 Resp: 1367390

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

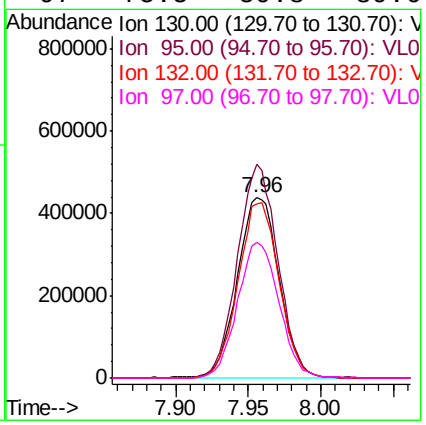


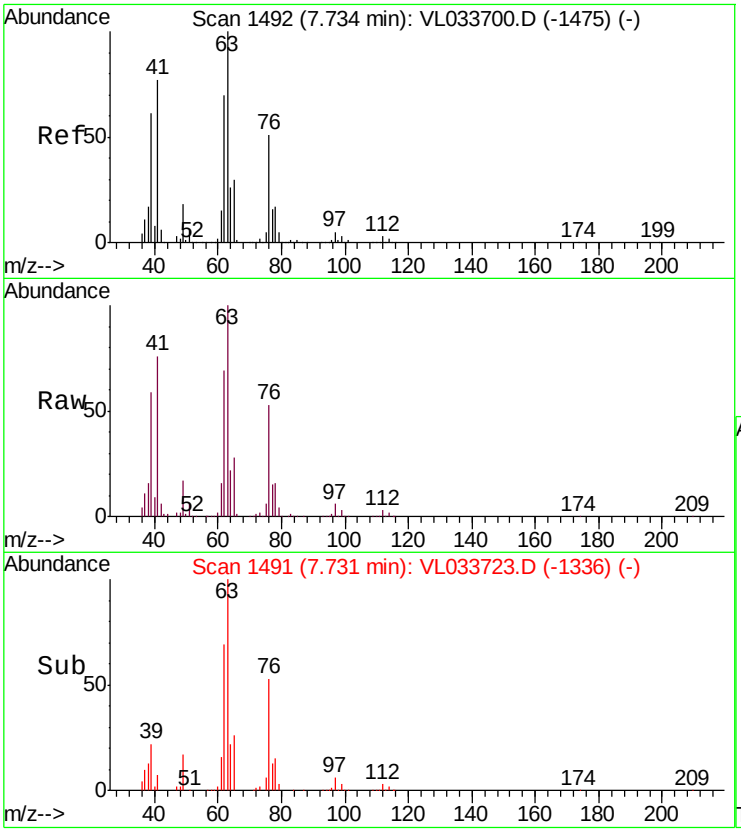


#38
Trichloroethene
Concen: 9.821 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:130 Resp: 871329

Ion	Ratio	Lower	Upper
130	100		
95	118.7	90.2	135.4
132	96.9	76.4	114.6
97	75.5	59.8	89.6



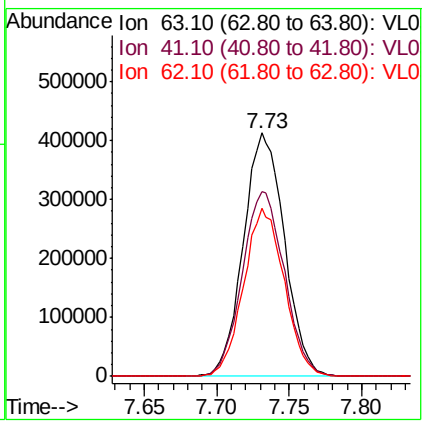


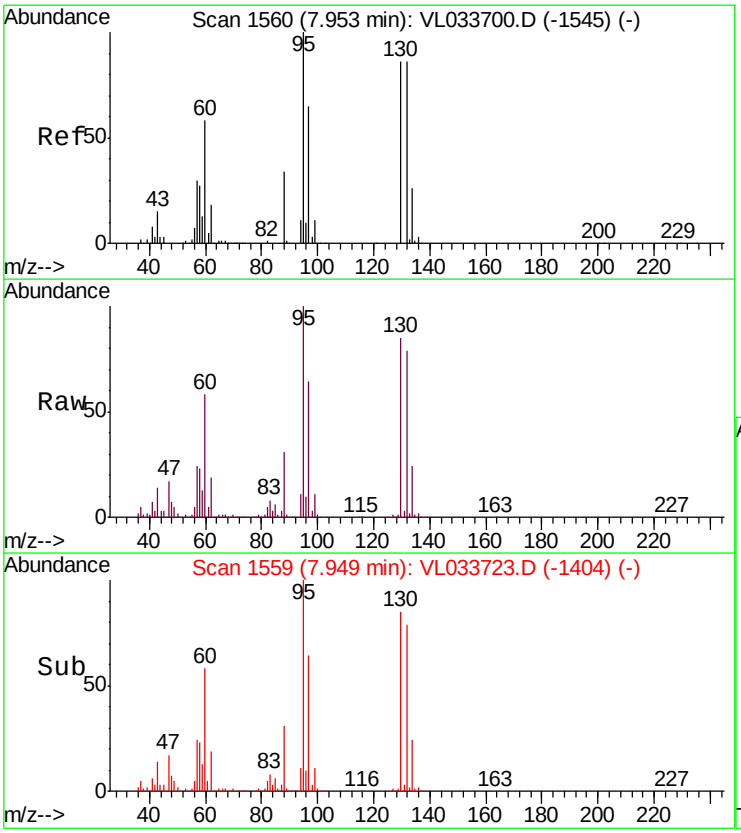
#39
1,2-Dichloropropane
Concen: 9.132 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 63 Resp: 814018

Ion	Ratio	Lower	Upper
63	100		
41	75.8	61.5	92.3
62	69.0	56.2	84.4

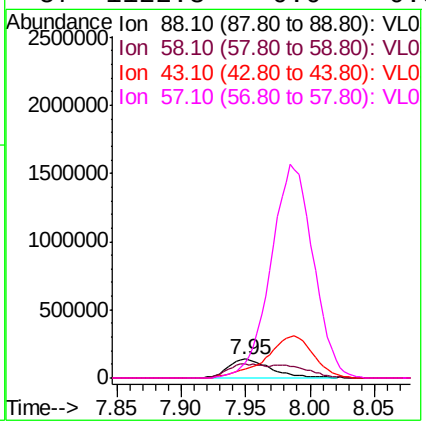


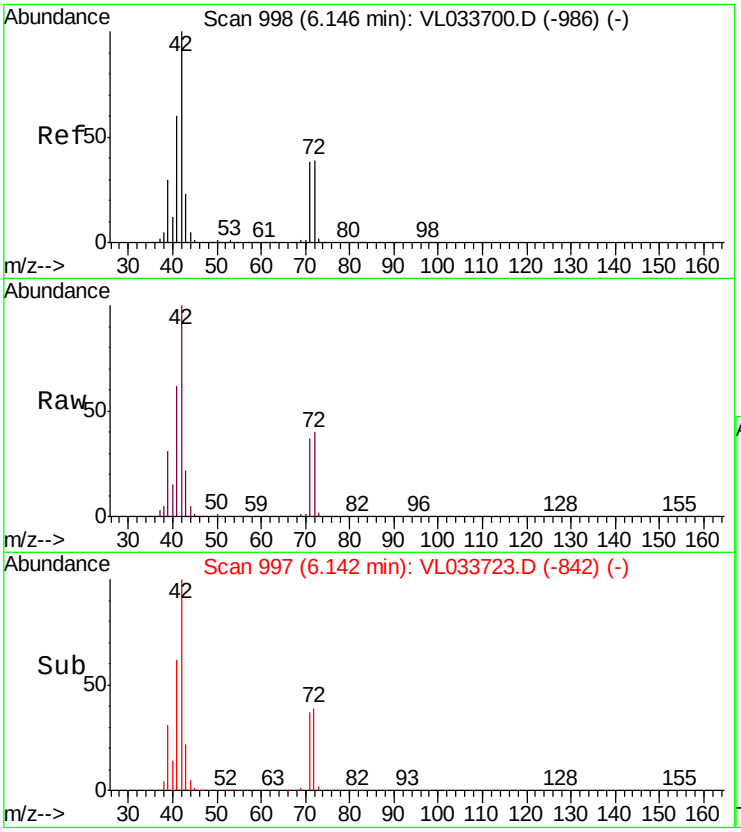


#40
1,4-Dioxane
Concen: 8.597 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 88 Resp: 320586

Ion	Ratio	Lower	Upper
88	100		
58	125.8	101.8	152.6
43	249.6	0.0	0.0#
57	1122.3	0.0	0.0#



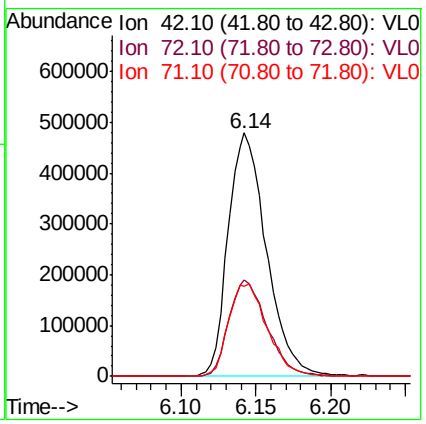


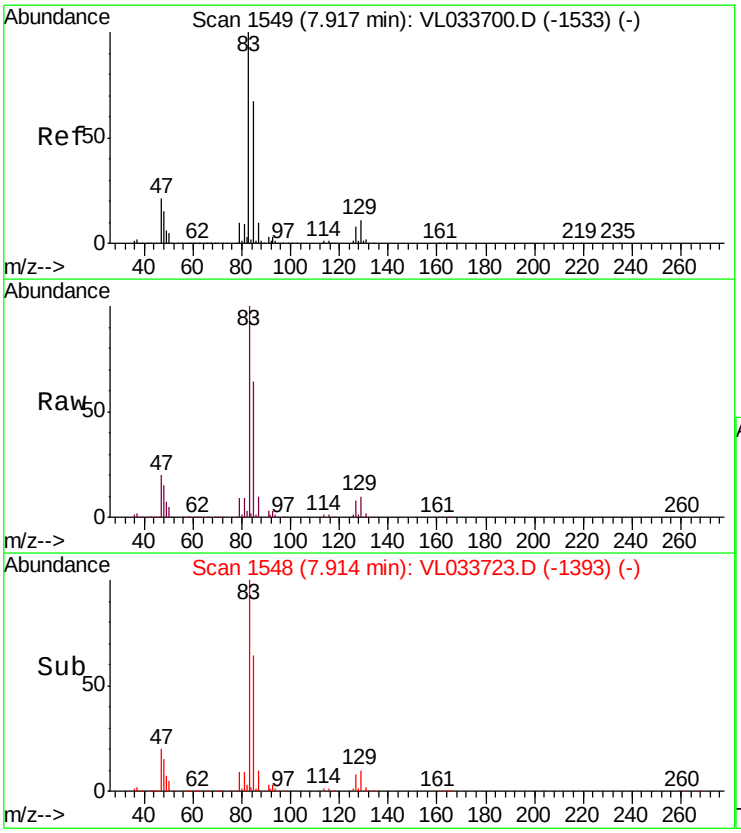
#41
Tetrahydrofuran
Concen: 9.334 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 42 Resp: 852032

Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.0	48.0
71	38.9	30.4	45.6

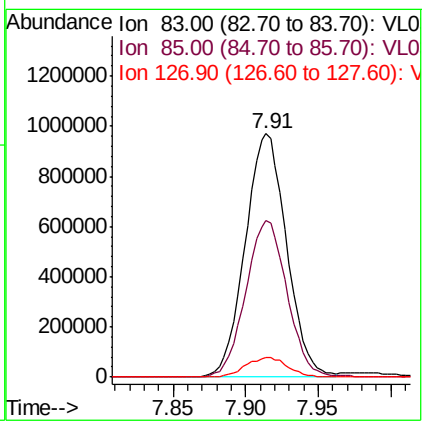


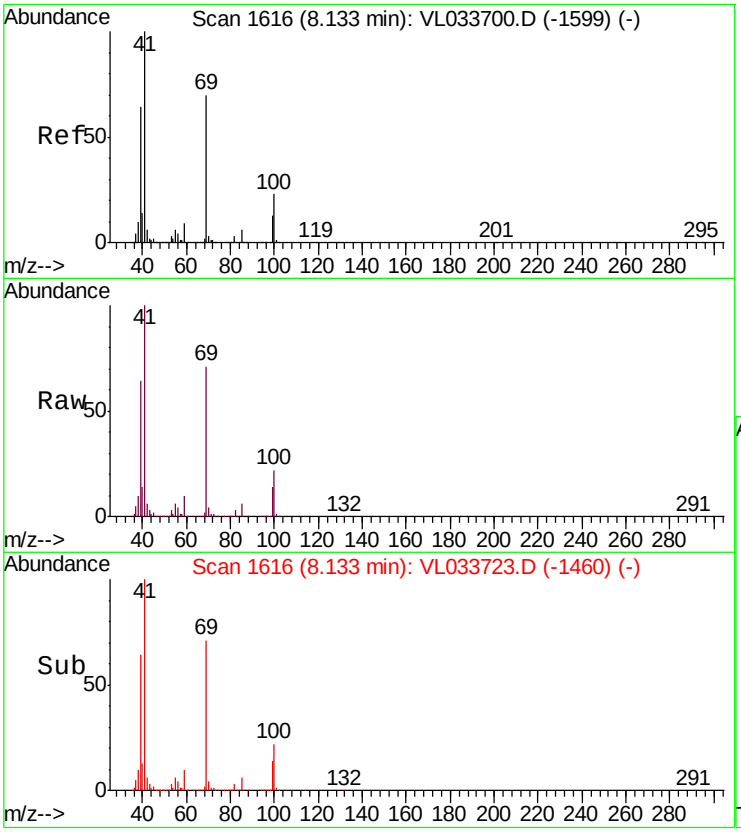


#42
Bromodichloromethane
Concen: 9.105 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 83 Resp: 1922479

Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.3	79.9
127	7.8	6.5	9.7



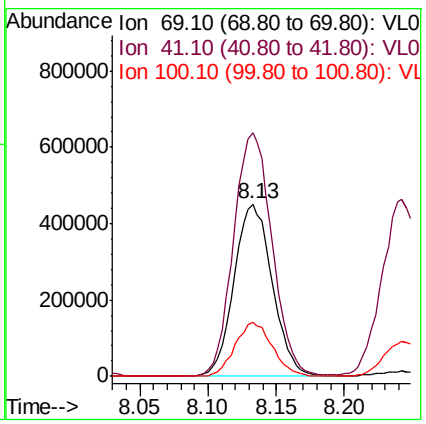


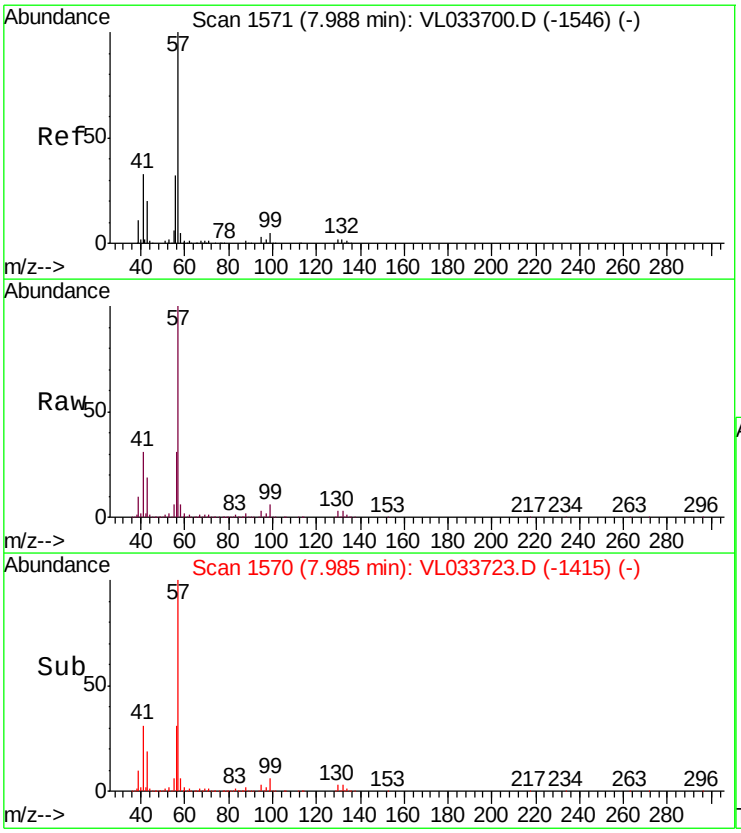
#43
Methyl Methacrylate
Concen: 9.978 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 69 Resp: 878006

Ion	Ratio	Lower	Upper
69	100		
41	142.4	116.3	174.5
100	30.6	25.3	37.9

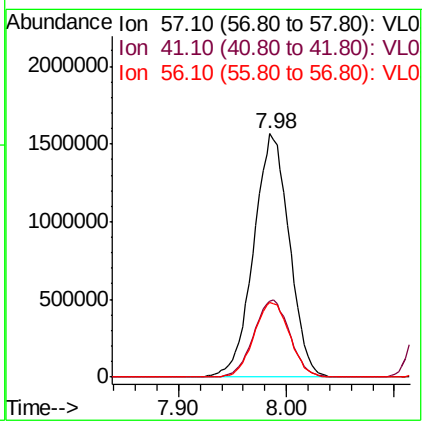


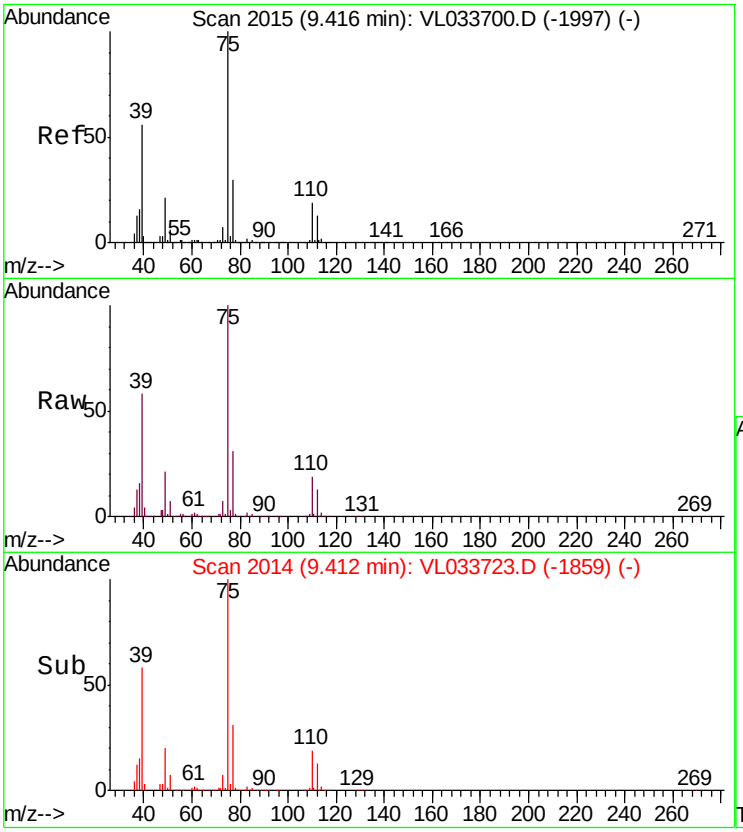


#44
2,2,4-Trimethylpentane
Concen: 8.891 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 57 Resp: 3592726

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.4	38.0
56	30.9	24.7	37.1



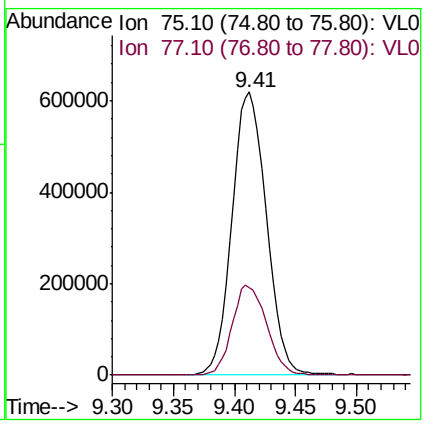


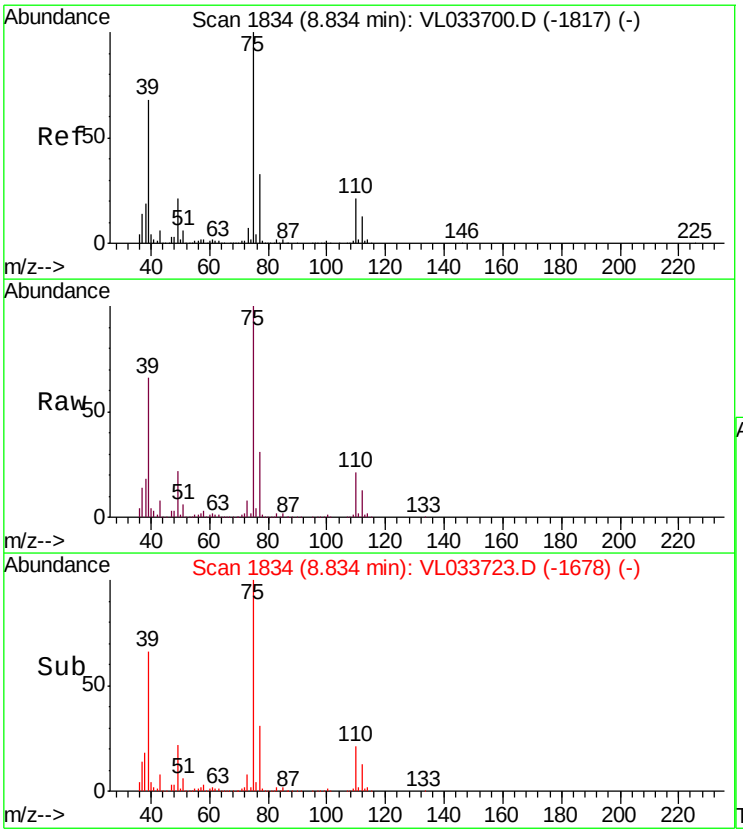
#45
t-1,3-Dichloropropene
Concen: 10.874 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 75 Resp: 1213031

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6

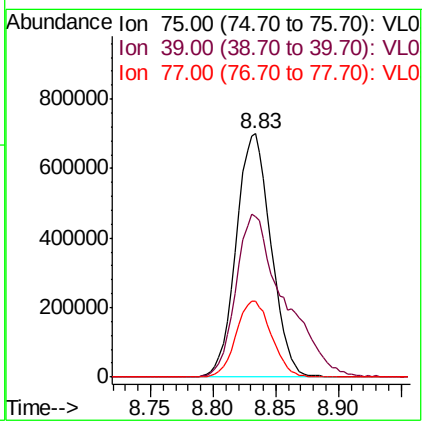


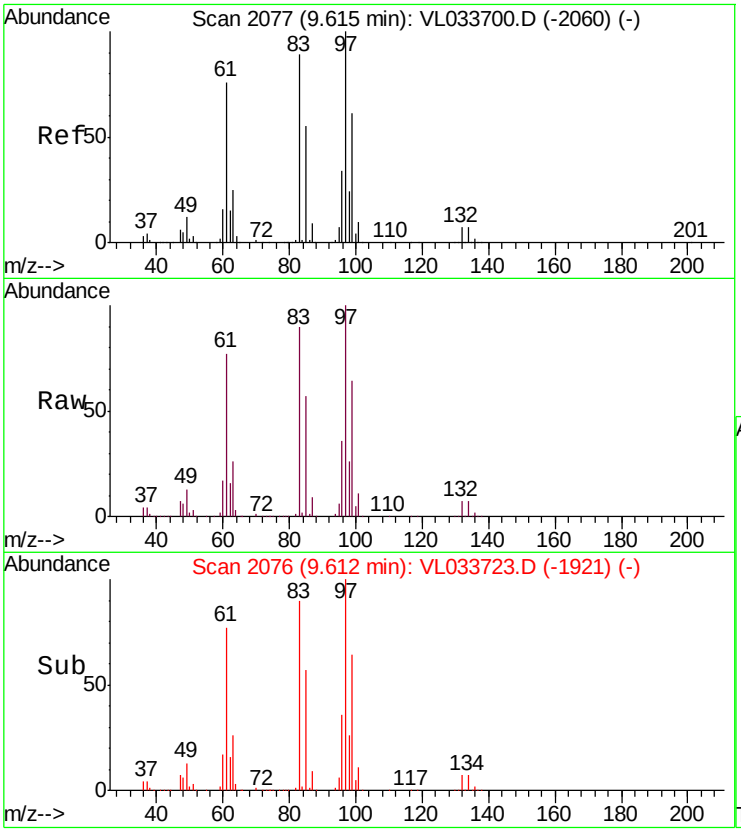


#46
cis-1,3-Dichloropropene
Concen: 10.331 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 75 Resp: 1349456

Ion	Ratio	Lower	Upper
75	100		
39	65.9	54.4	81.6
77	31.0	26.6	39.8



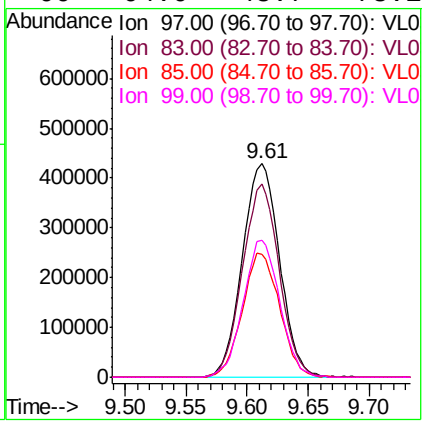


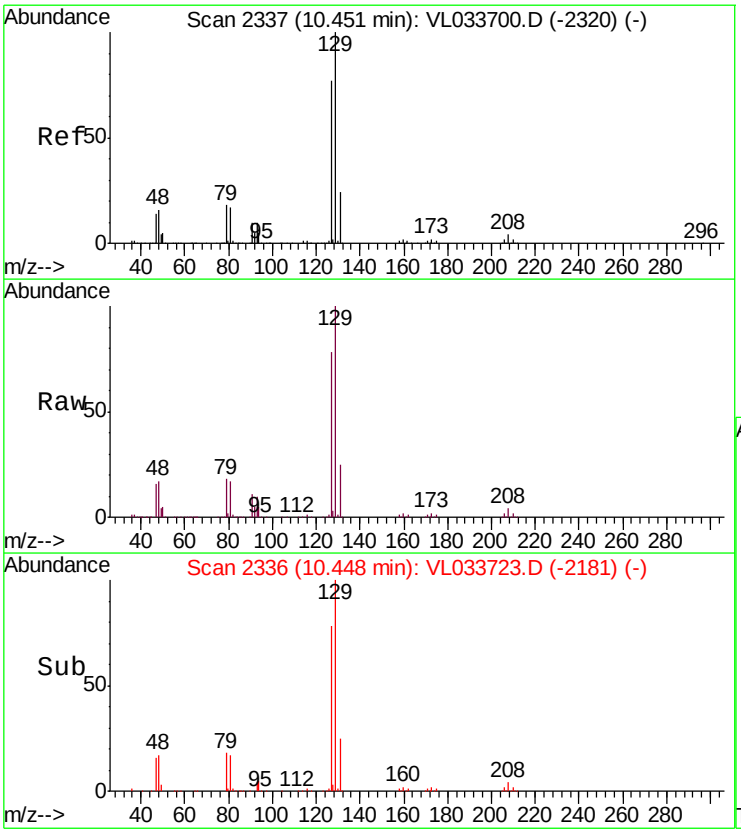
#47
1,1,2-Trichloroethane
Concen: 8.929 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 97 Resp: 904175

Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.8	106.2
85	57.2	43.7	65.5
99	64.0	48.7	73.1

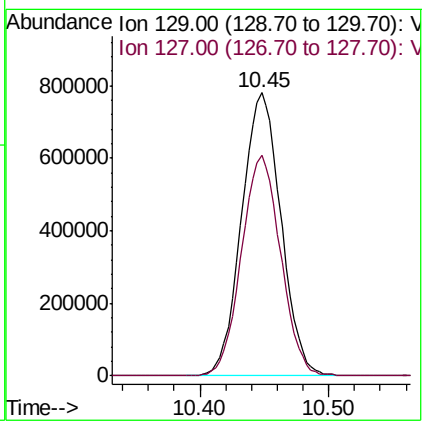


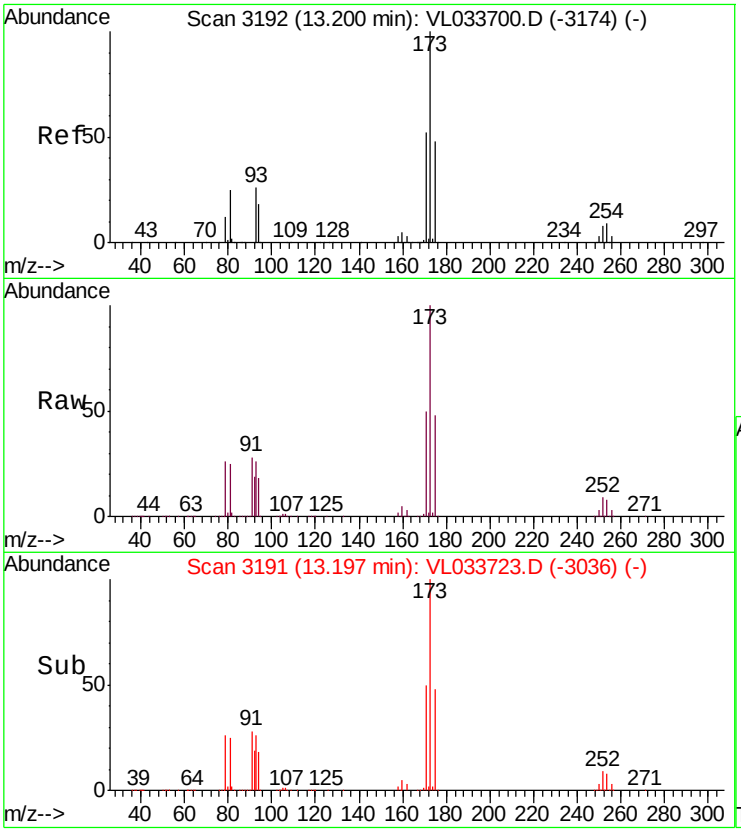


#48
Dibromochloromethane
Concen: 9.455 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:129 Resp: 1658994

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



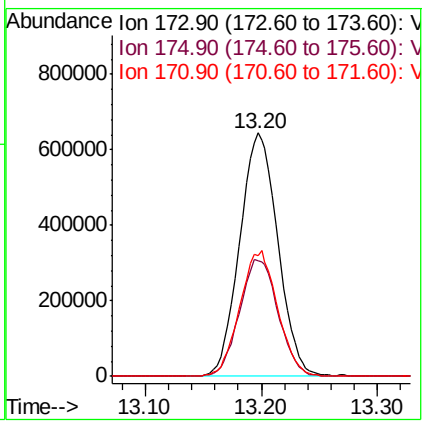


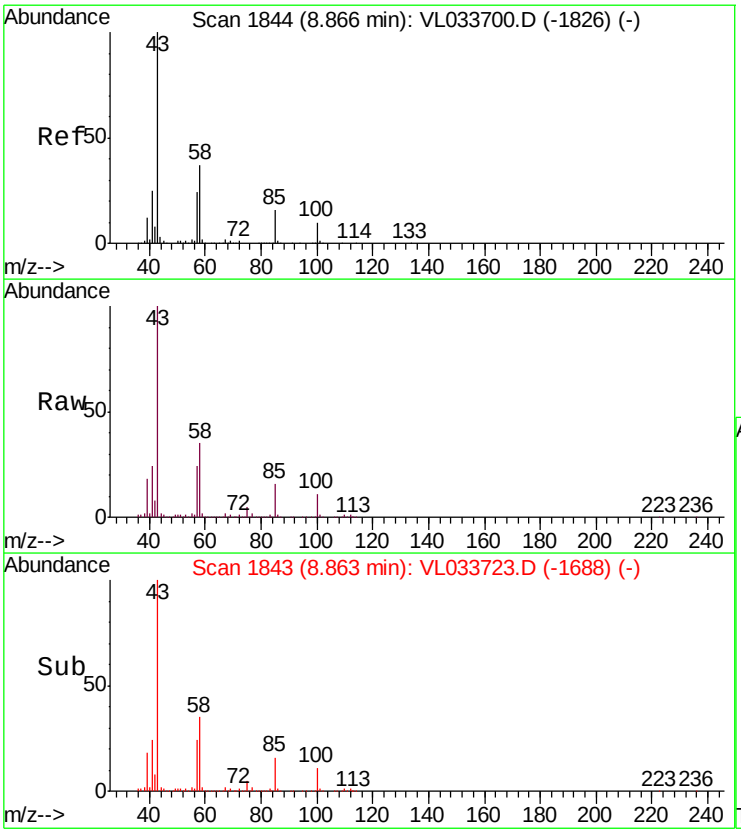
#49
Bromoform
Concen: 10.014 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:173 Resp: 1478490

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	51.0	41.5	62.3

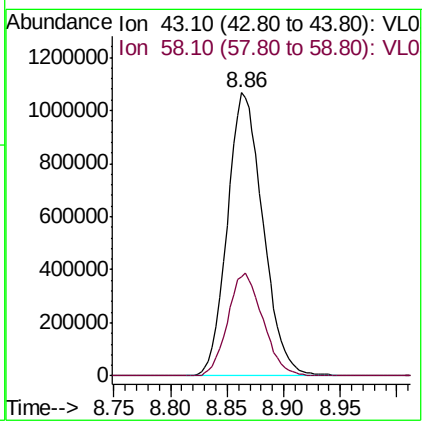


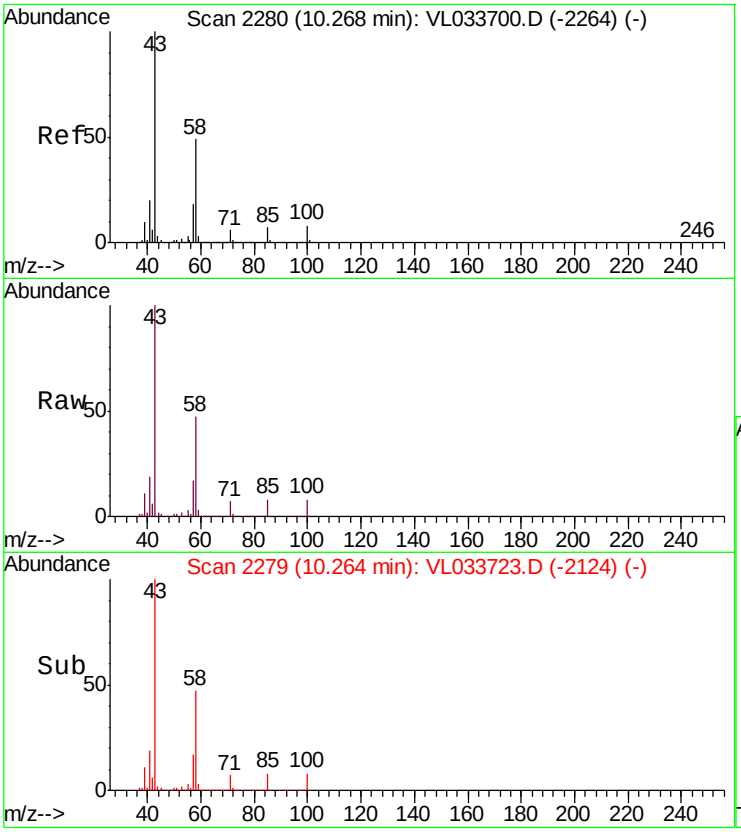


#50
4-Methyl-2-Pentanone
Concen: 9.328 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 43 Resp: 2337461

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	43.0



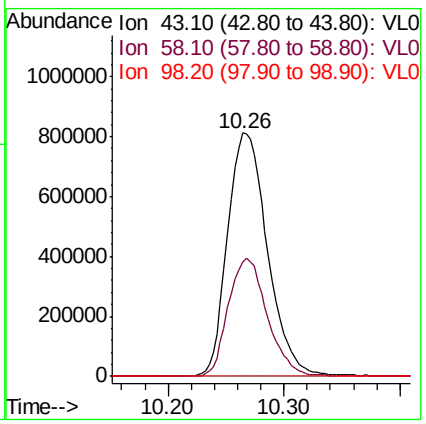


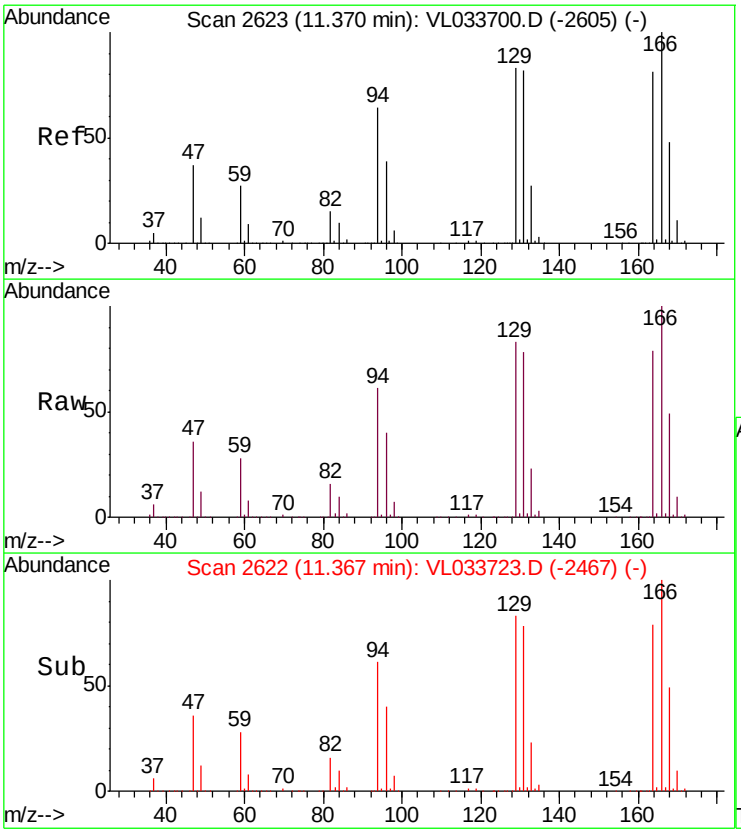
#51
2-Hexanone
Concen: 9.890 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 43 Resp: 1934323

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.7	58.1
98	0.4	0.2	0.4#

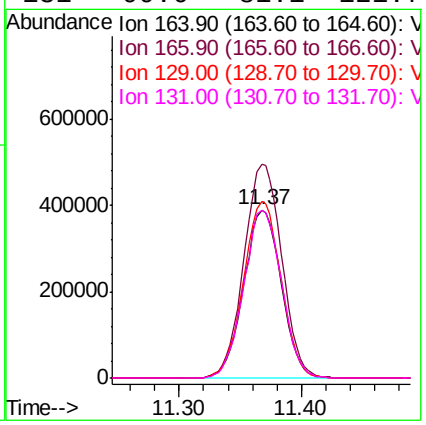


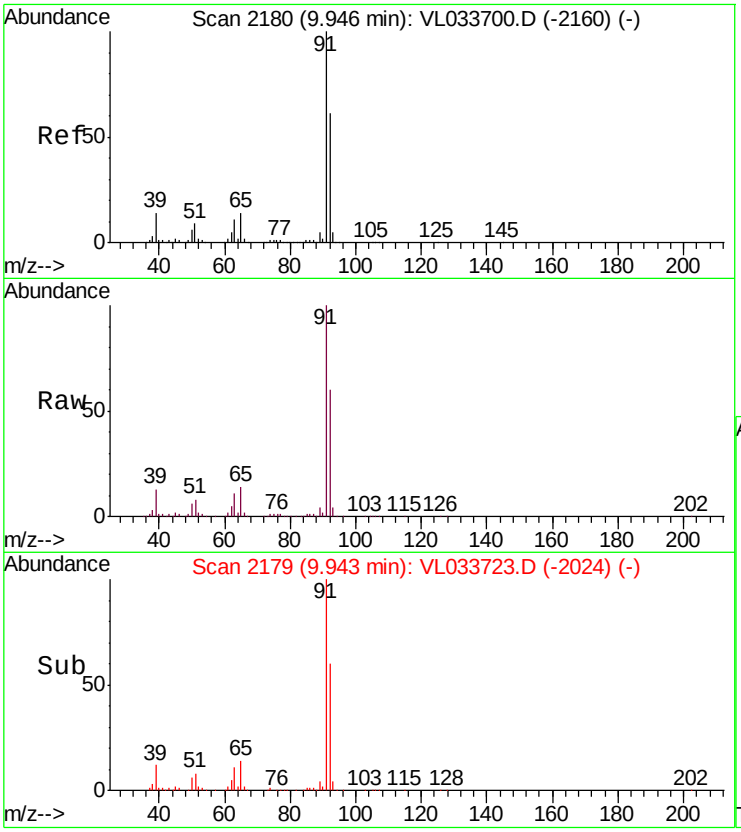


#52
Tetrachloroethene
Concen: 9.821 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:164 Resp: 825393

Ion	Ratio	Lower	Upper
164	100		
166	126.9	98.9	148.3
129	105.2	81.8	122.6
131	99.6	81.1	121.7



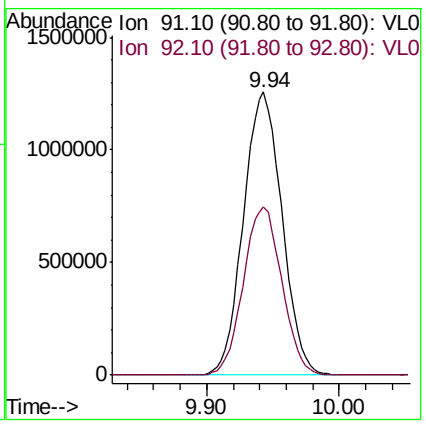


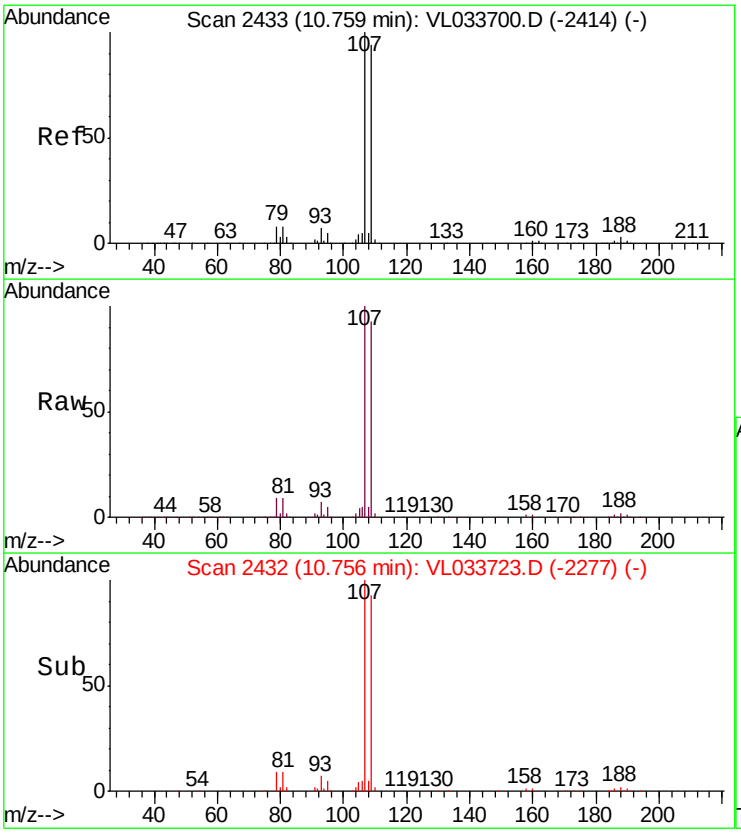
#53
Toluene
Concen: 9.857 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 91 Resp: 2542010

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.6	71.4

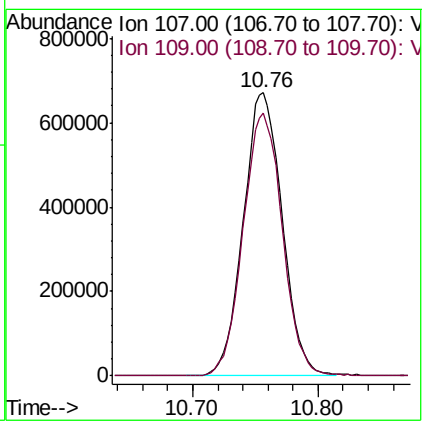


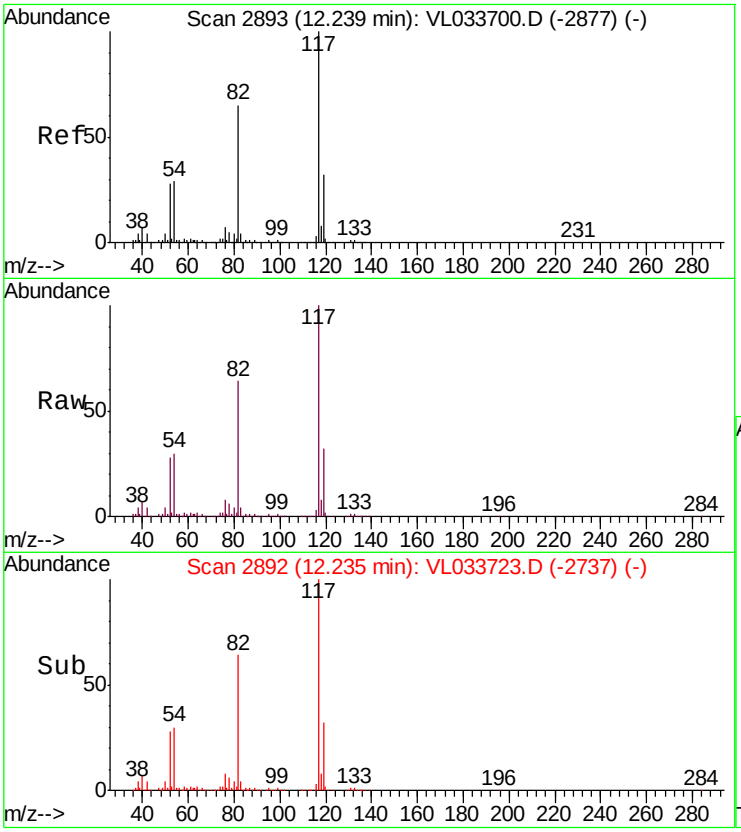


#54
1,2-Dibromoethane
Concen: 9.357 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:107 Resp: 1446070

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.2	112.8



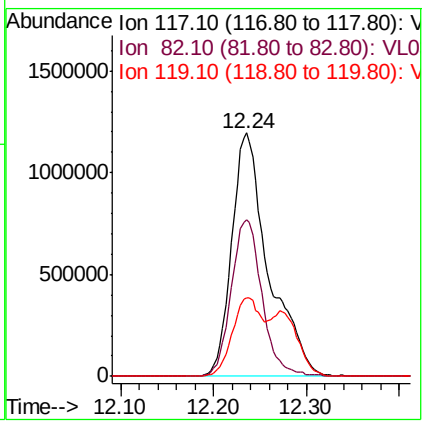


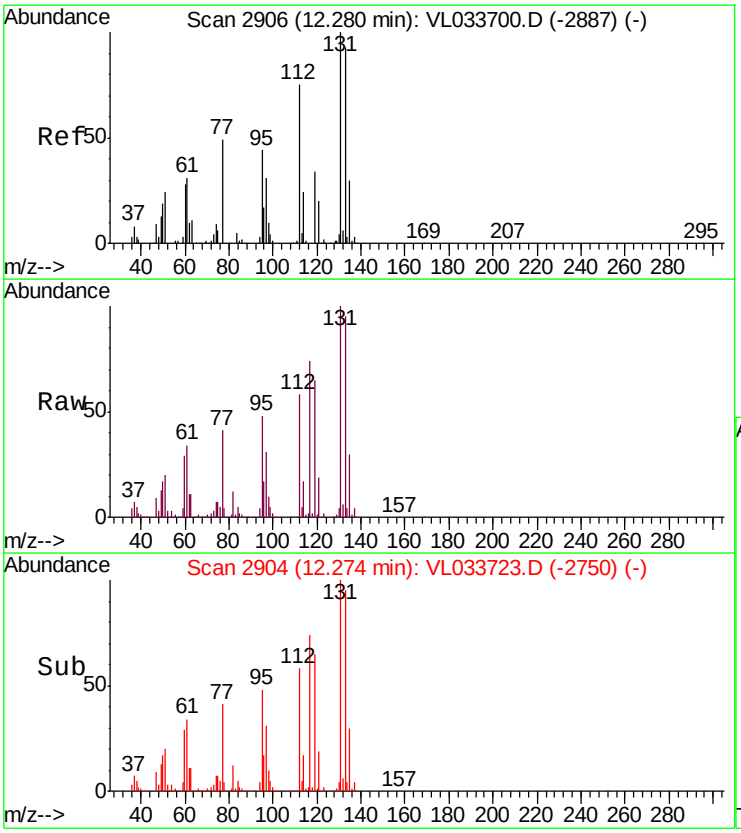
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:117 Resp: 3301626

Ion	Ratio	Lower	Upper
117	100		
82	53.9	49.4	74.0
119	25.0	24.9	37.3

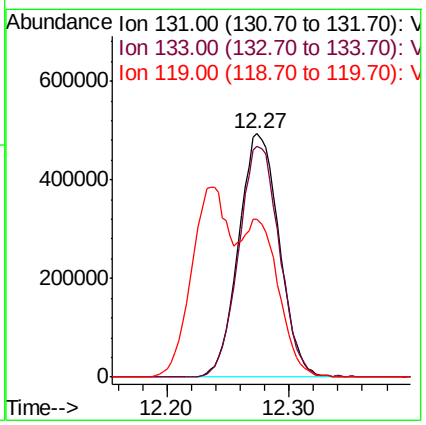


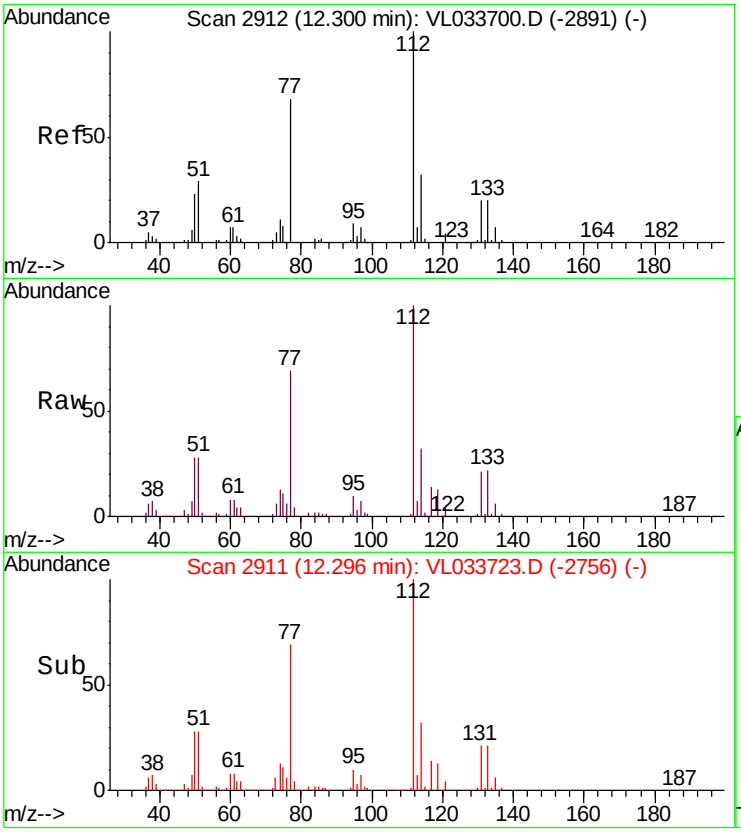


#56
1,1,1,2-Tetrachloroethane
Concen: 7.417 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:131 Resp: 1133082

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.6	114.8
119	135.1	49.0	73.4#



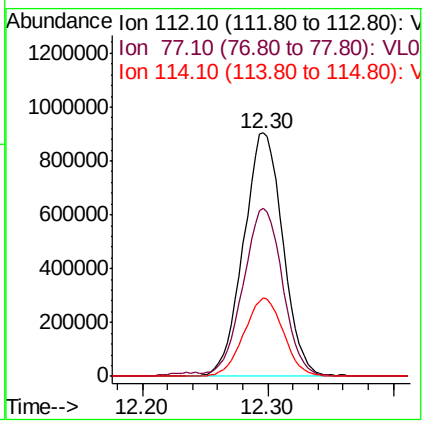


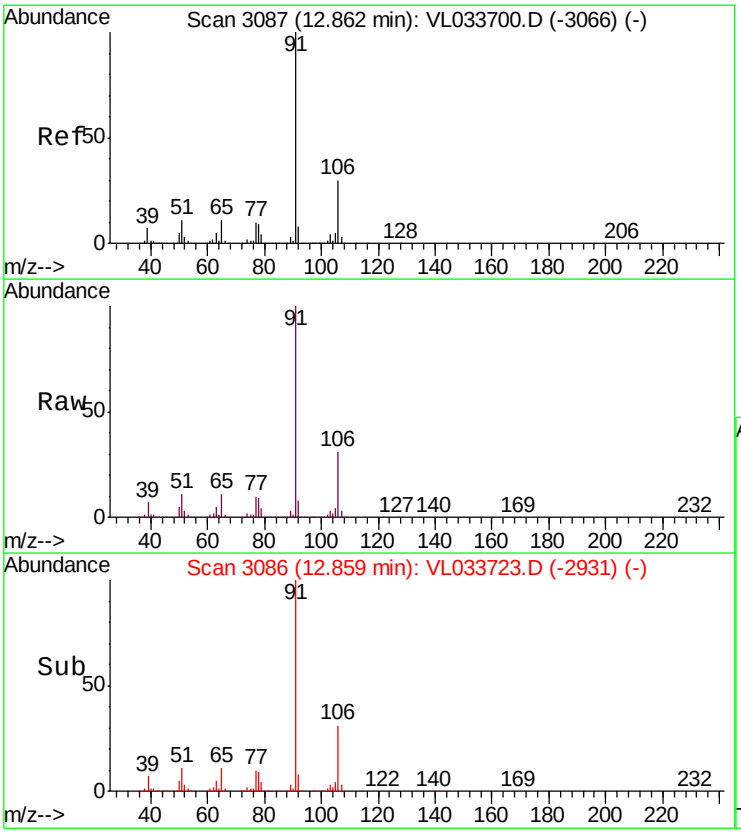
#57
Chlorobenzene
Concen: 7.257 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:112 Resp: 1972256

Ion	Ratio	Lower	Upper
112	100		
77	68.9	55.4	83.0
114	32.4	29.3	35.8

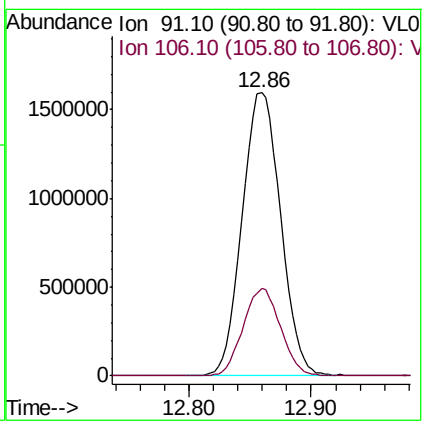


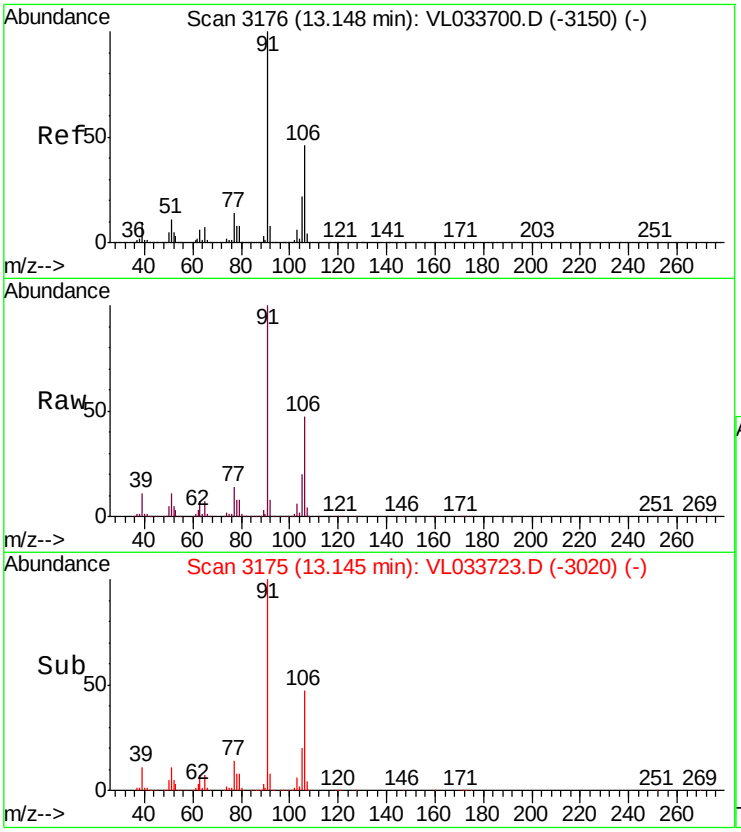


#58
Ethyl Benzene
Concen: 7.957 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 91 Resp: 3478916

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.9	35.9



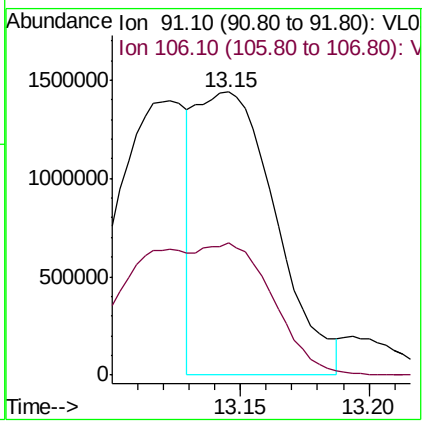


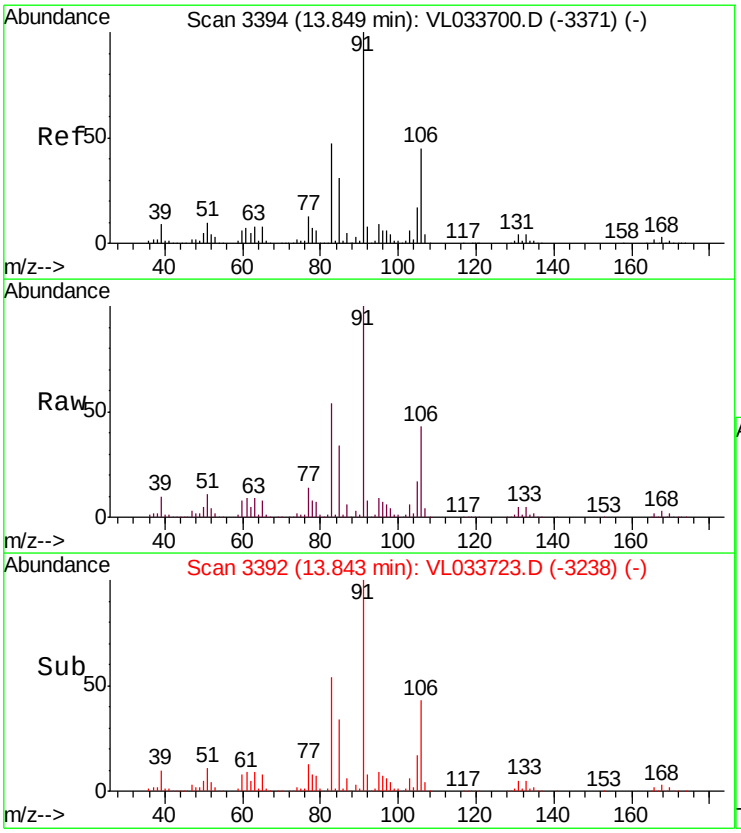
#59
m/p-Xylene
Concen: 8.070 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 91 Resp: 3084203

Ion	Ratio	Lower	Upper
91	100		
106	84.8	35.8	53.6#

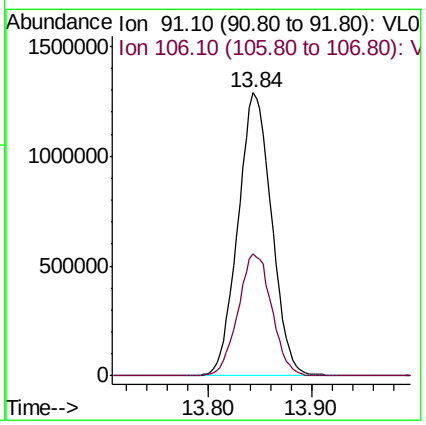


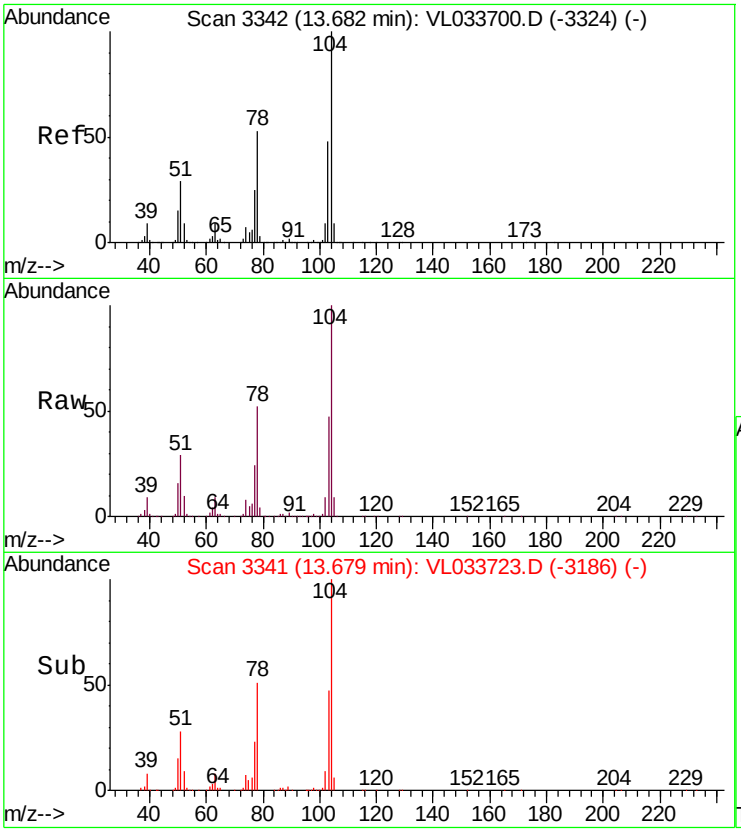


#60
o-Xylene
Concen: 7.576 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 91 Resp: 2918815

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.6	64.8



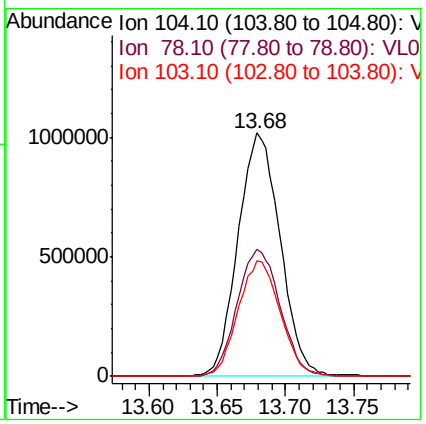


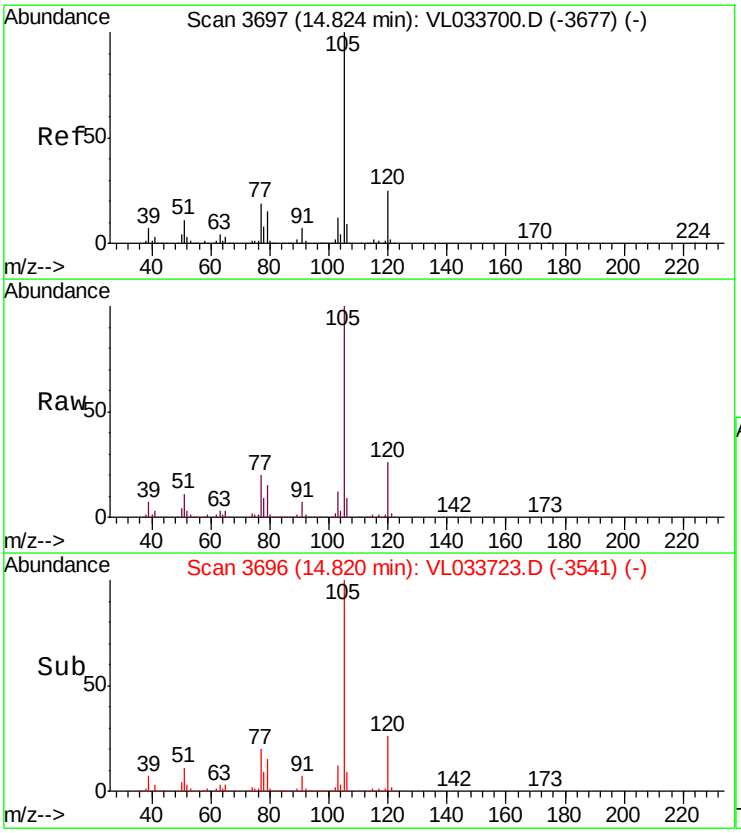
#61
Styrene
Concen: 8.421 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:104 Resp: 2184454

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.6	64.0
103	47.7	37.8	56.6

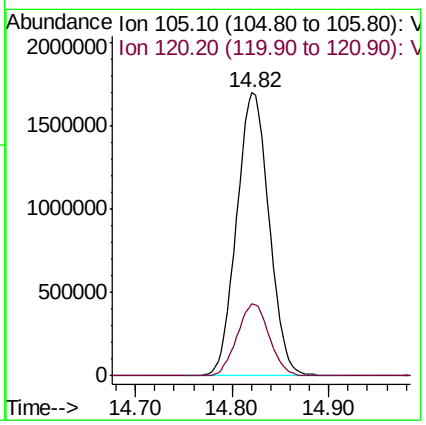


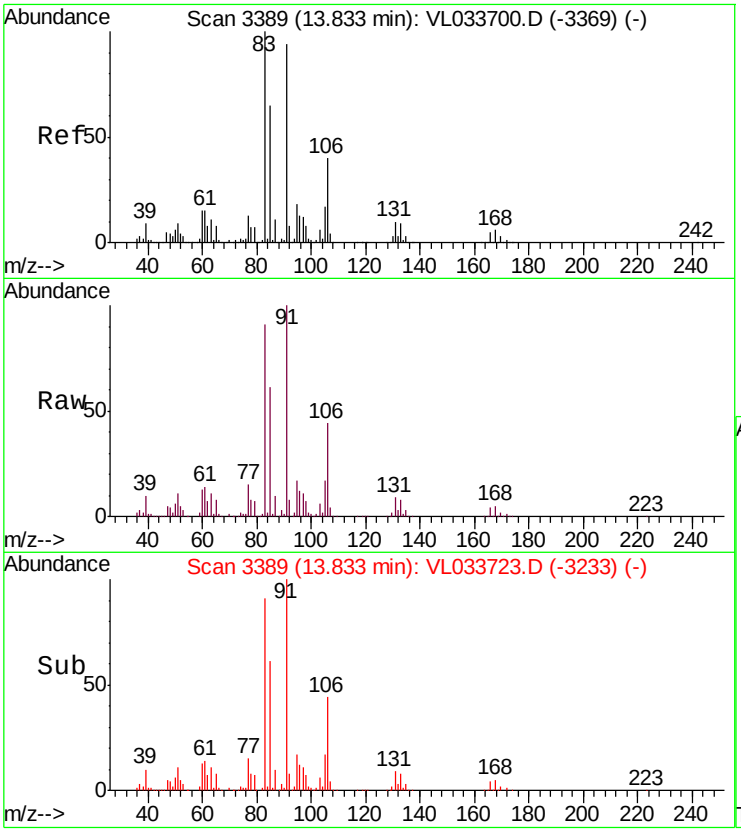


#62
Isopropylbenzene
Concen: 7.630 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:105 Resp: 3958789

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



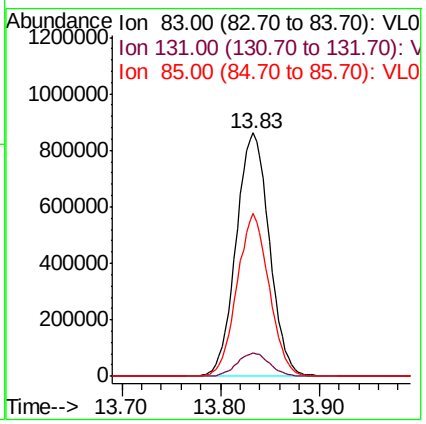


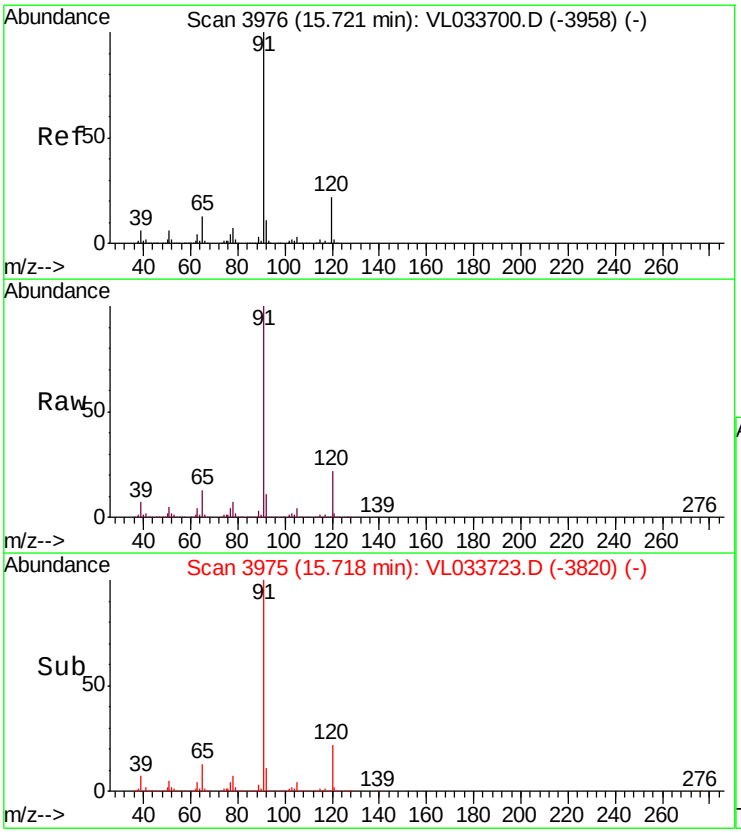
#63
1,1,2,2-Tetrachloroethane
Concen: 7.169 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion: 83 Resp: 2008503

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	64.9	32.3	96.9

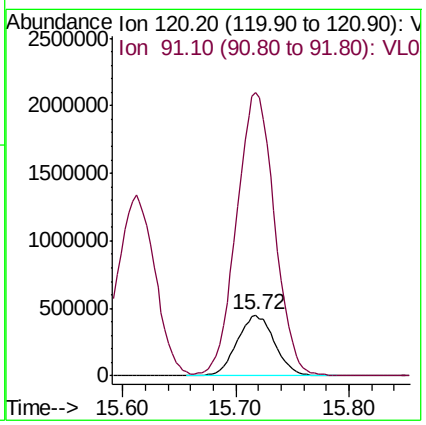


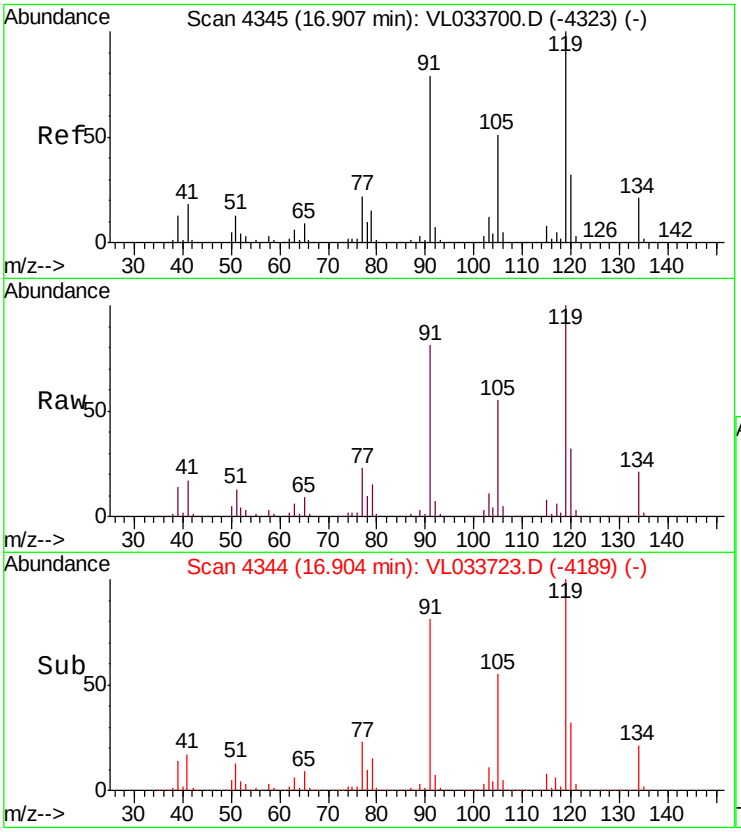


#64
n-propylbenzene
Concen: 7.741 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:120 Resp: 1038910

Ion	Ratio	Lower	Upper
120	100		
91	473.8	379.1	568.7



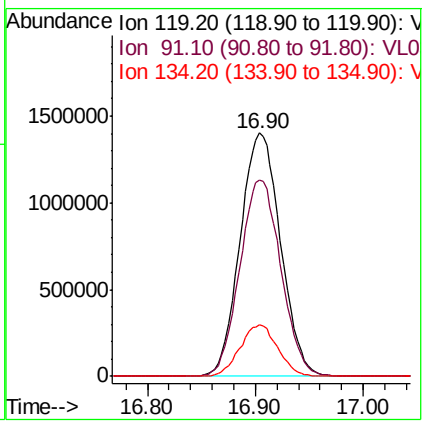


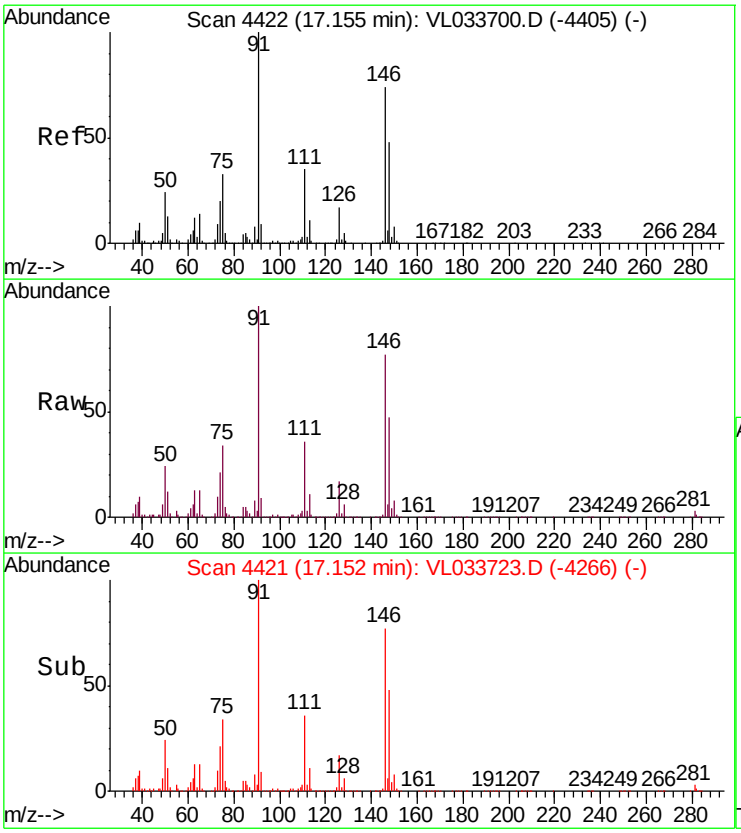
#65
tert-Butylbenzene
Concen: 7.699 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:119 Resp: 3647263

Ion	Ratio	Lower	Upper
119	100		
91	82.3	65.3	97.9
134	19.7	15.7	23.5

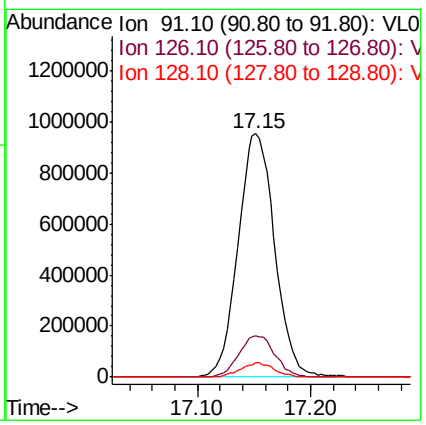


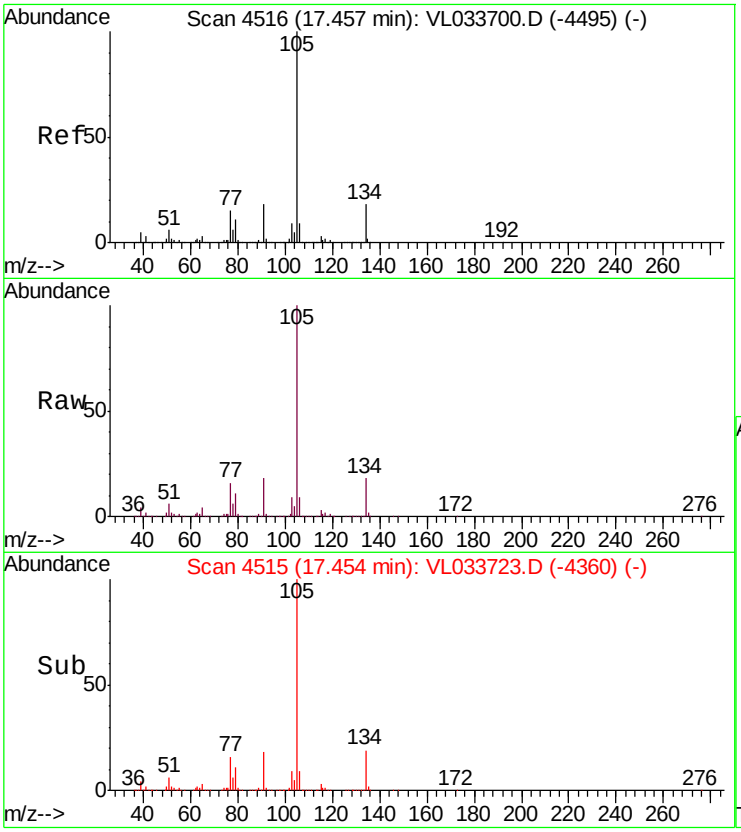


#66
Benzyl Chloride
Concen: 9.513 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 91 Resp: 2146443

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.5	4.3	6.5



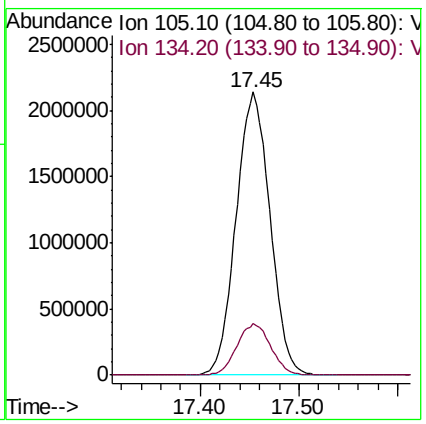


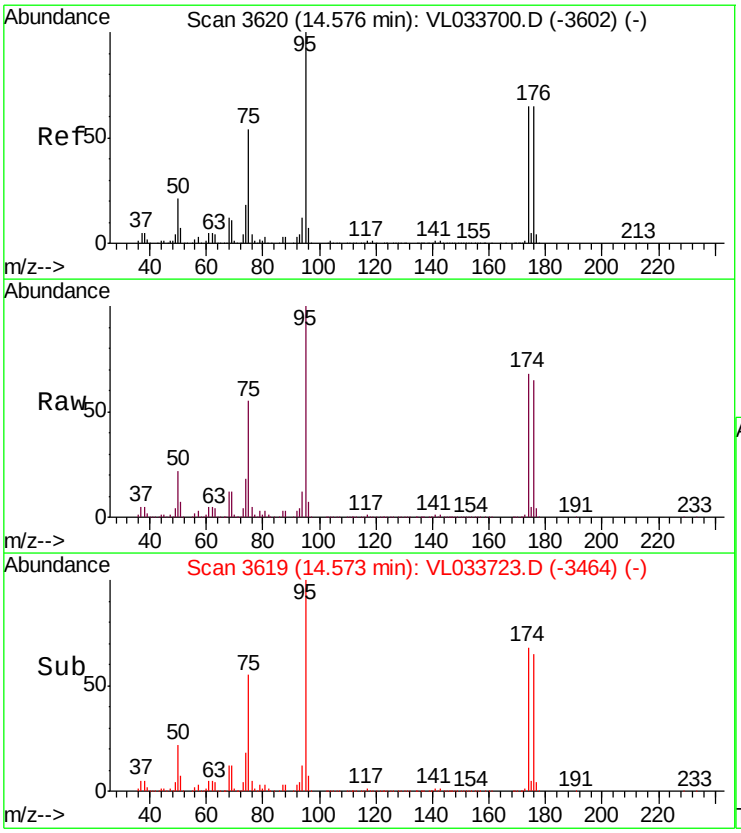
#67
sec-Butylbenzene
Concen: 7.678 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:105 Resp: 5090737

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

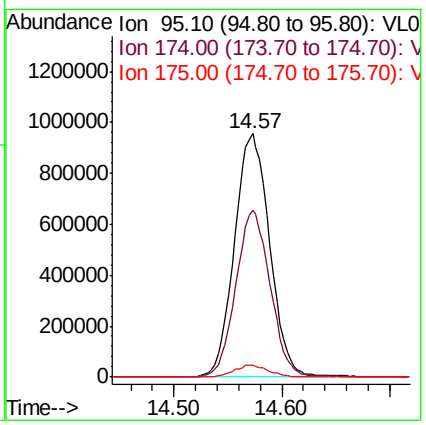


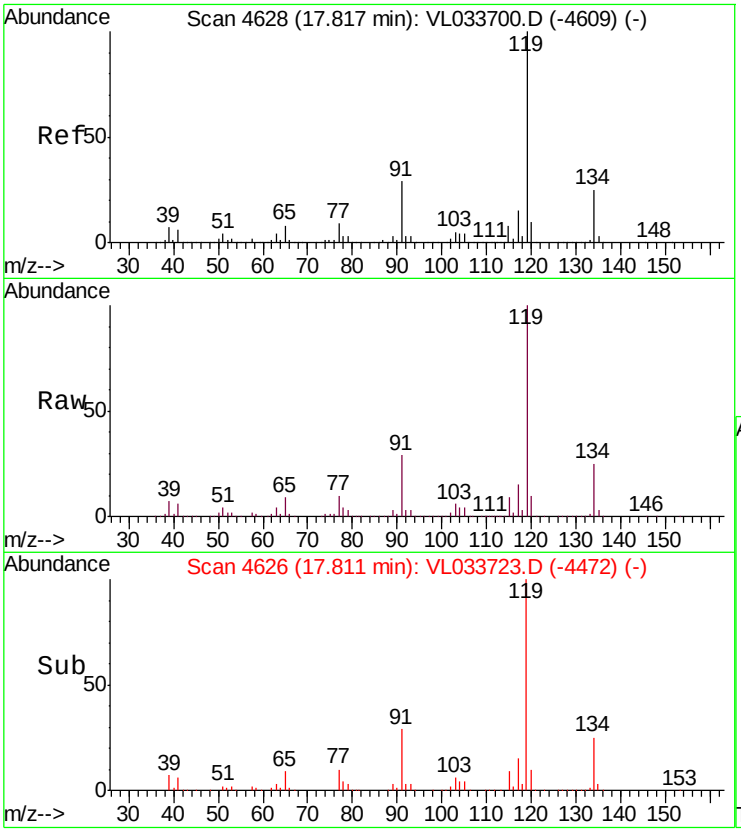


#68
1-Bromo-4-Fluorobenzene
Concen: 8.128 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 95 Resp: 2175416

Ion	Ratio	Lower	Upper
95	100		
174	67.3	53.9	80.9
175	4.8	3.8	5.8



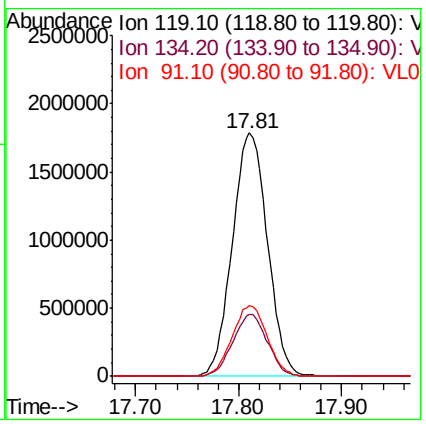


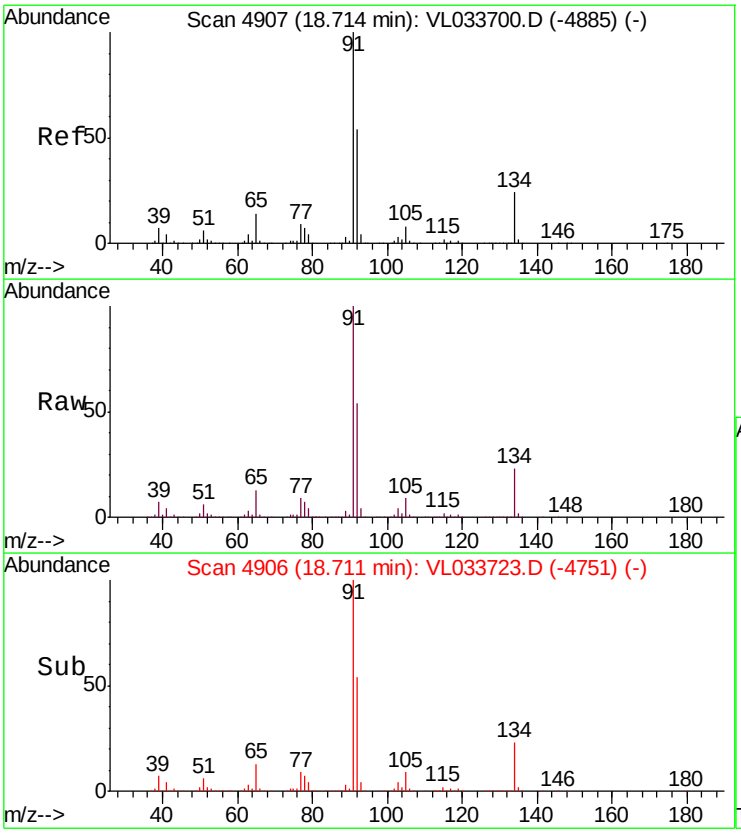
#69
p-Isopropyltoluene
Concen: 7.725 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:119 Resp: 4233307

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.3	23.1	34.7

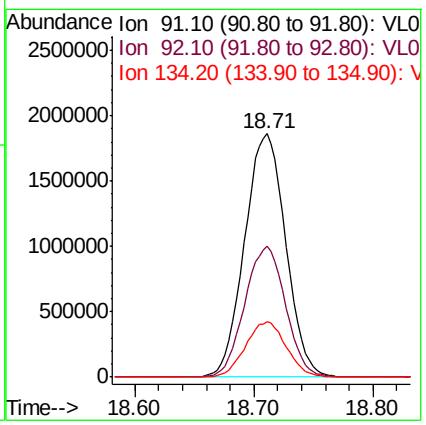


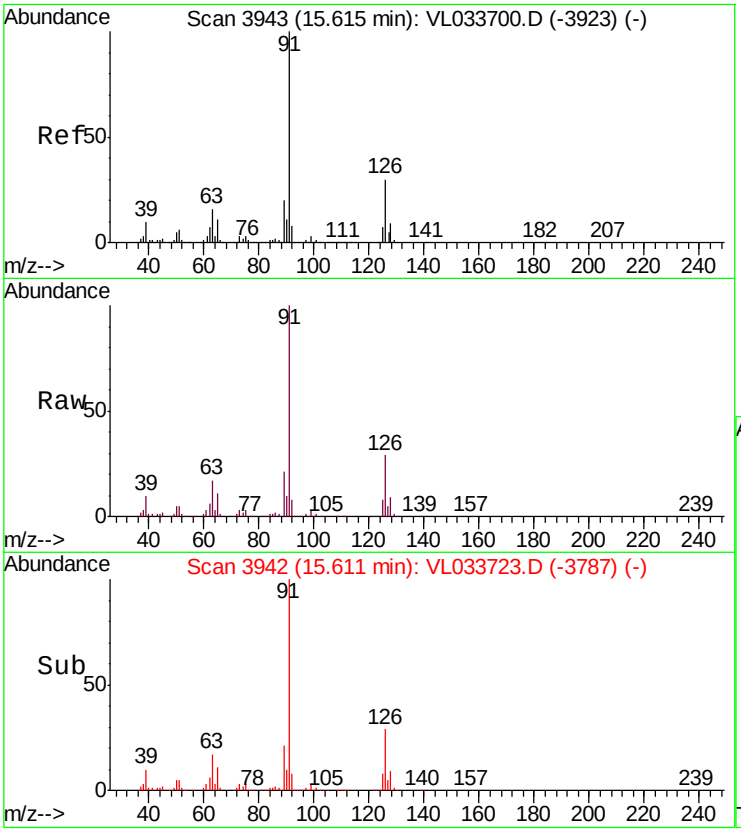


#70
n-Butylbenzene
Concen: 7.555 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion: 91 Resp: 4440011

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.6	63.8
134	22.6	18.1	27.1



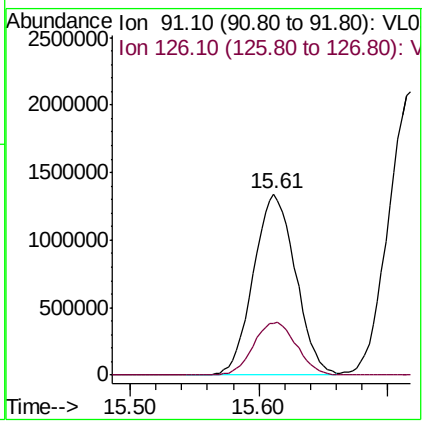


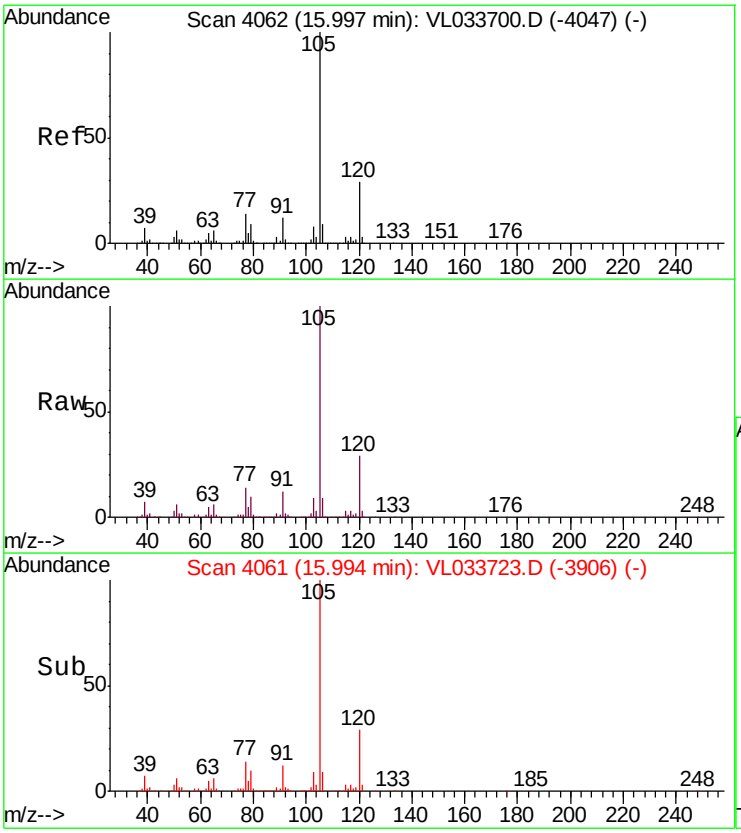
#71
2-Chlorotoluene
Concen: 7.913 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion: 91 Resp: 3046004

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

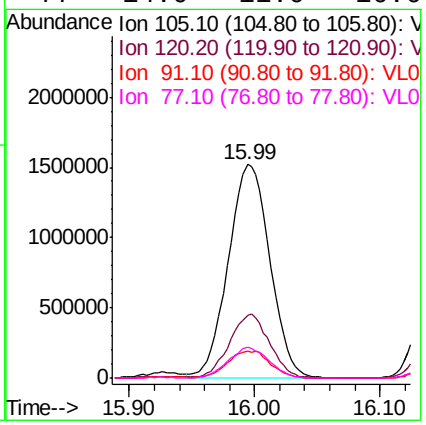


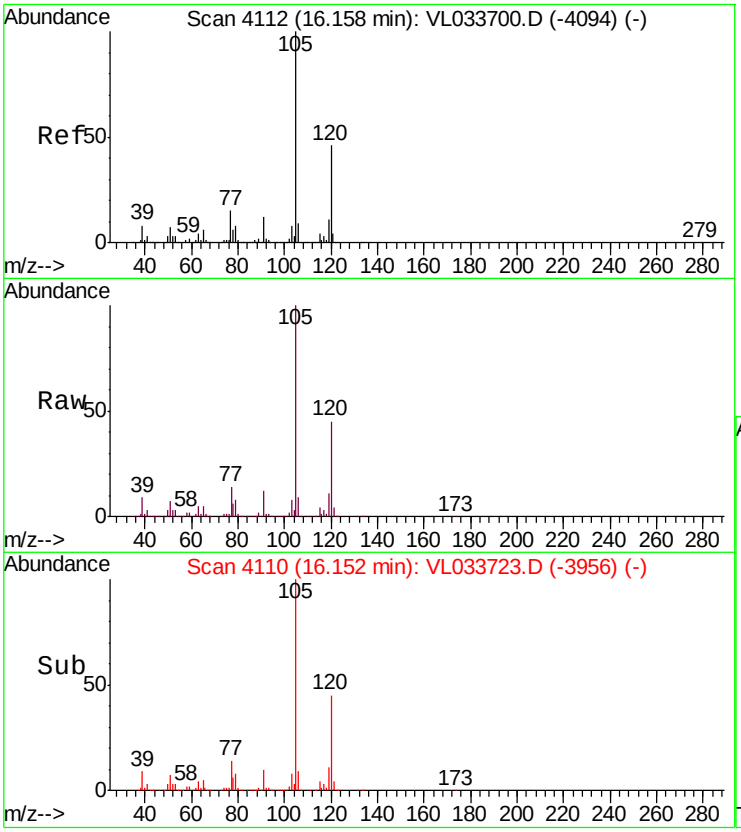


#72
4-Ethyltoluene
Concen: 7.918 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:105 Resp: 3488025

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.1	34.7
91	13.0	10.4	15.6
77	14.0	11.0	16.6



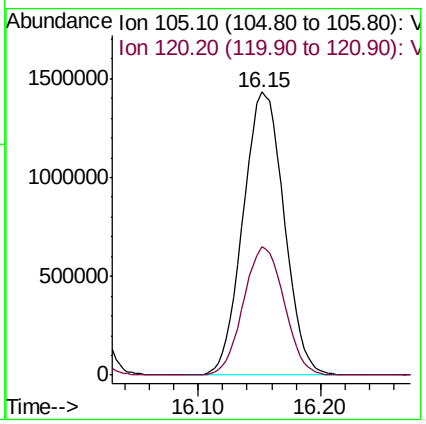


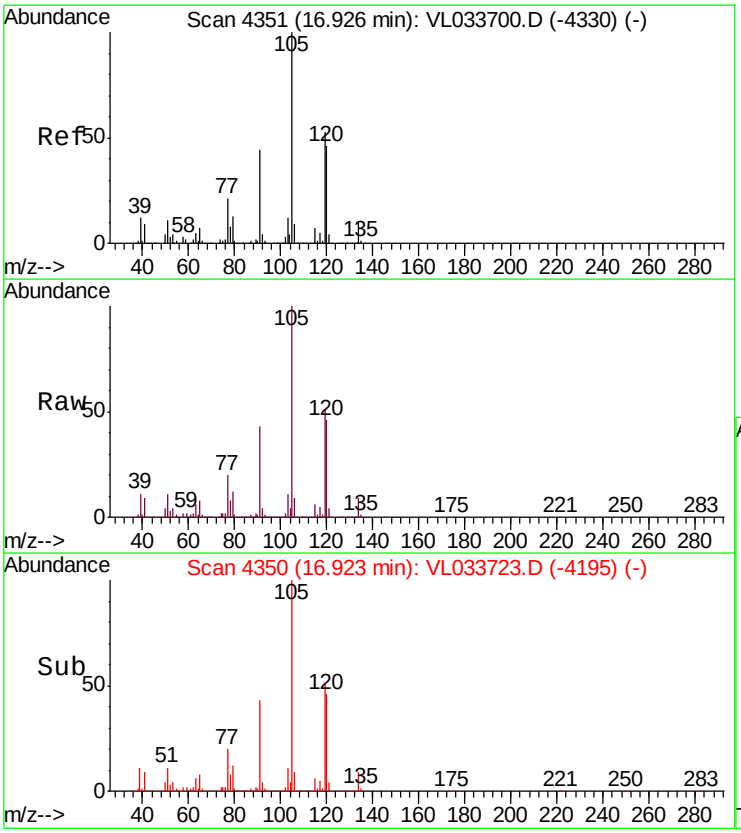
#73
1,3,5-Trimethylbenzene
Concen: 7.743 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:105 Resp: 3328049

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.0	55.4

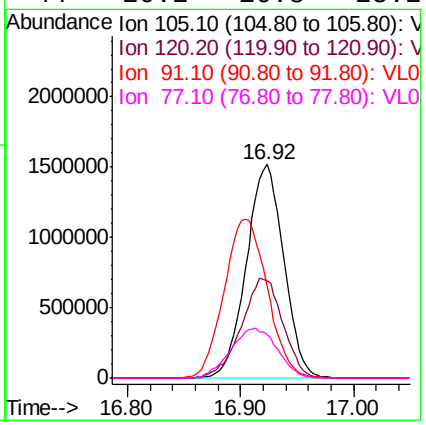


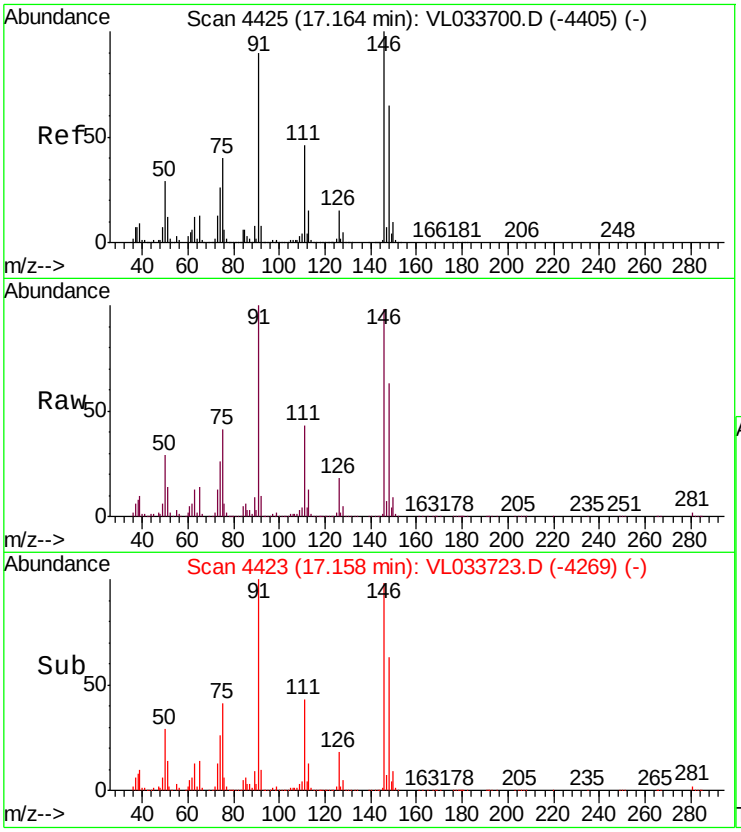


#74
1,2,4-Trimethylbenzene
Concen: 7.433 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:105 Resp: 3476780

Ion	Ratio	Lower	Upper
105	100		
120	45.6	36.8	55.2
91	42.9	35.4	53.0
77	20.2	16.8	25.2



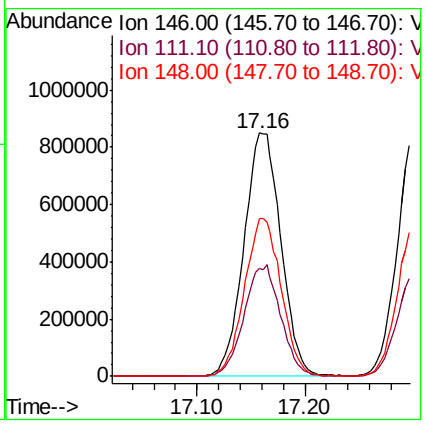


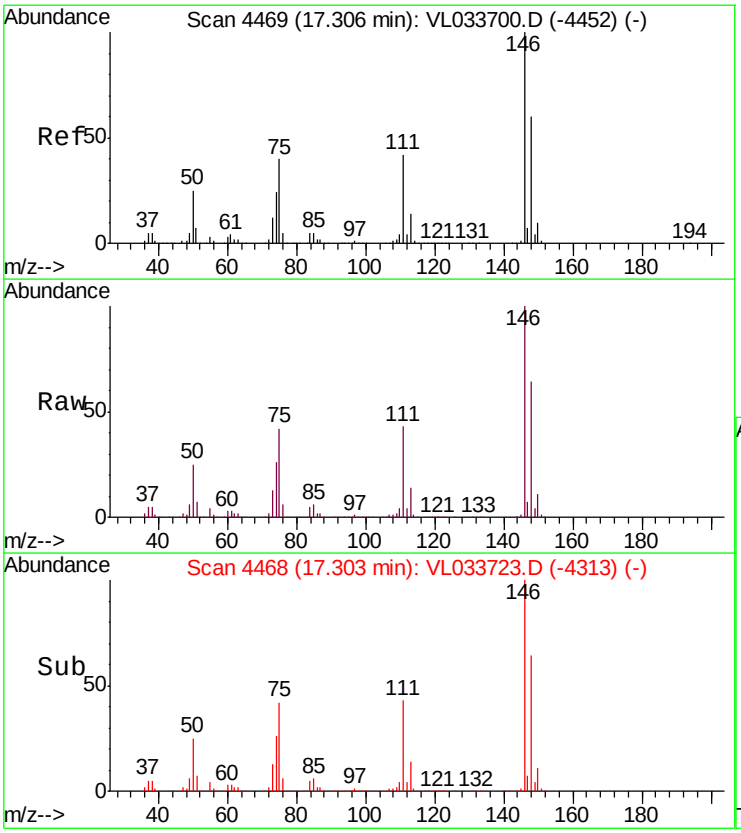
#75
1,3-Dichlorobenzene
Concen: 7.073 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:146 Resp: 2027371

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.8
148	64.2	32.0	96.2

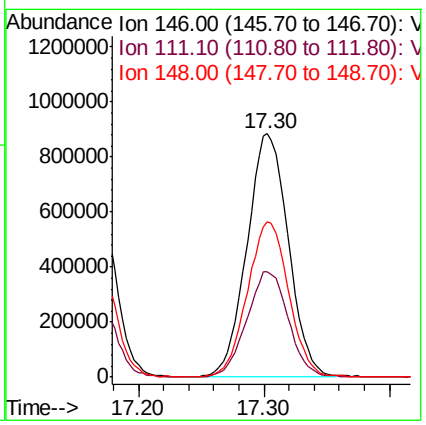


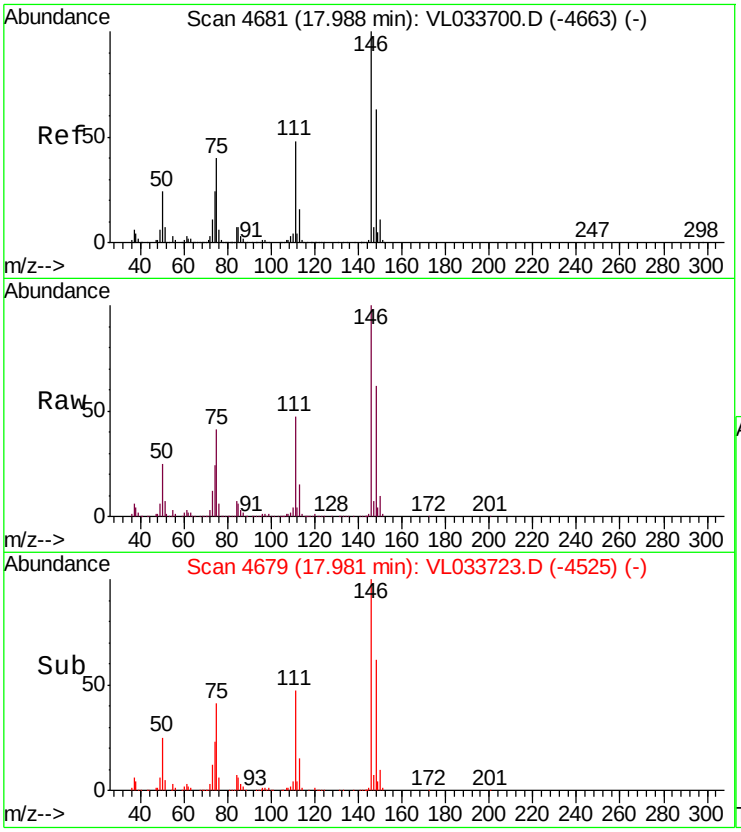


#76
1,4-Dichlorobenzene
Concen: 7.407 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:146 Resp: 2017815

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	64.2	32.1	96.3



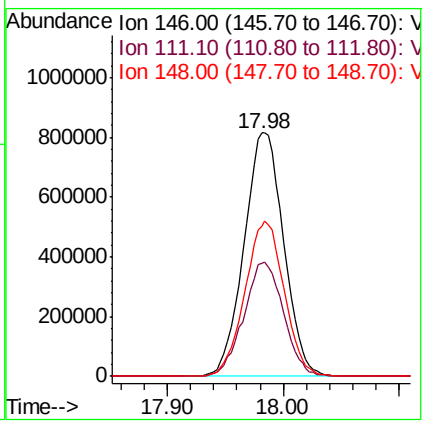


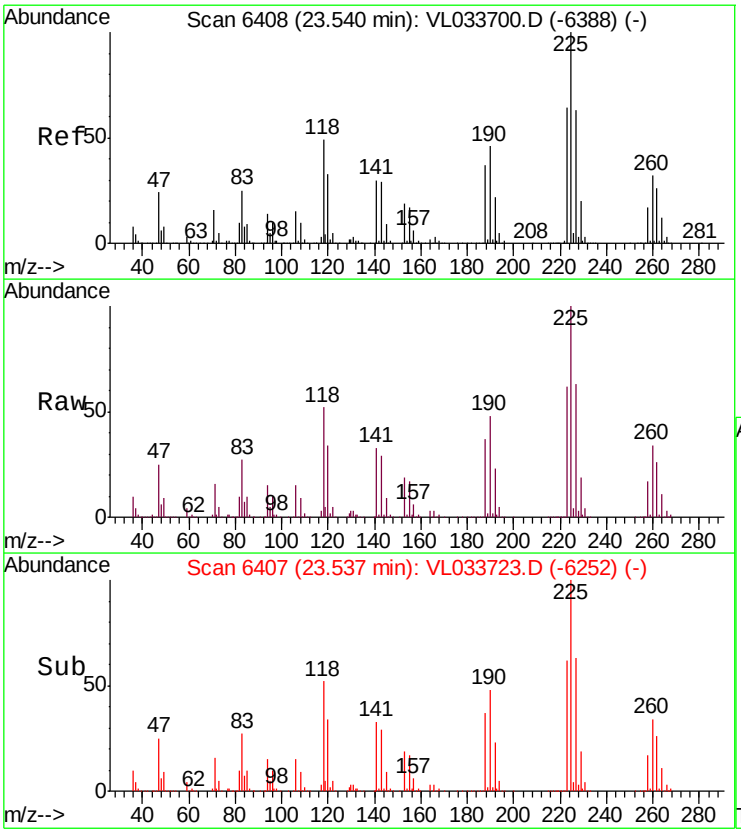
#77
1,2-Dichlorobenzene
Concen: 7.206 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VL0520ABS01

Tgt Ion:146 Resp: 1940845

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	63.2	32.1	96.3

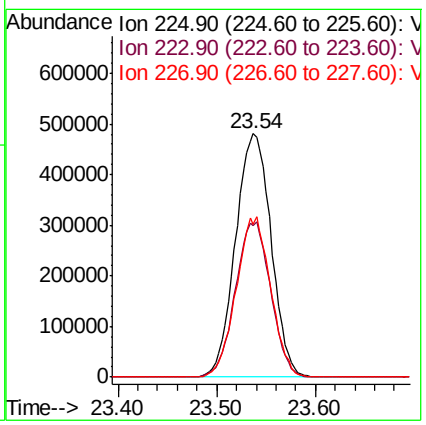


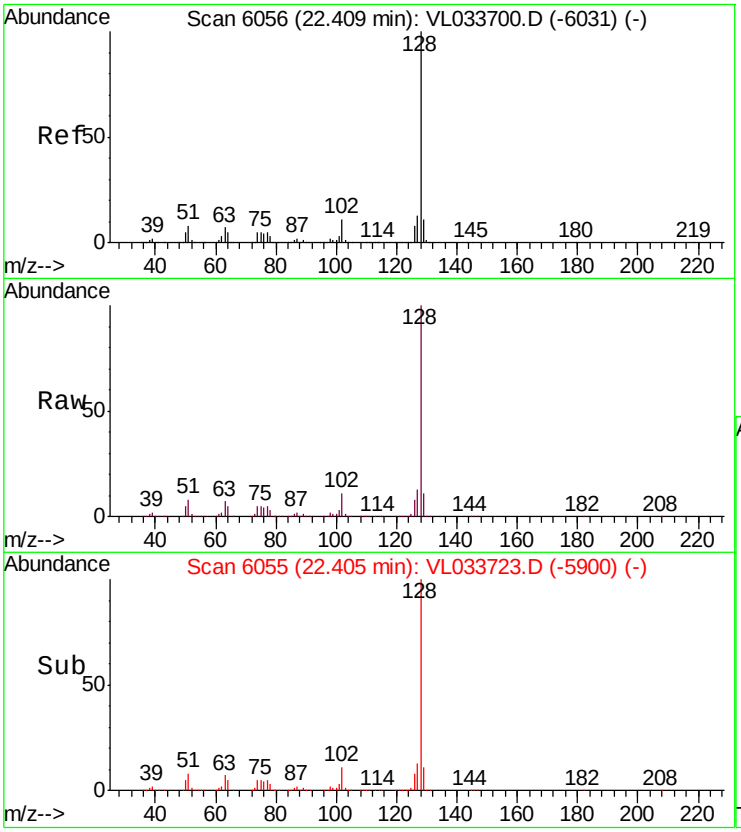


#78
Hexachloro-1,3-Butadiene
Concen: 5.903 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:225 Resp: 1202097

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.4
227	63.8	50.7	76.1



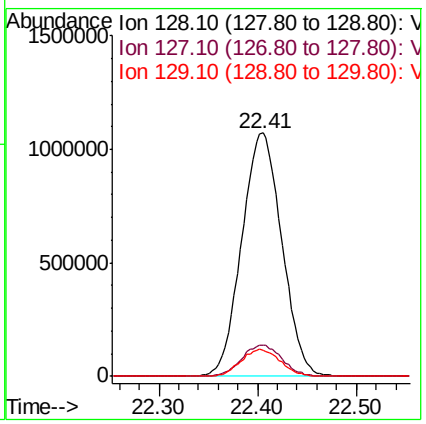


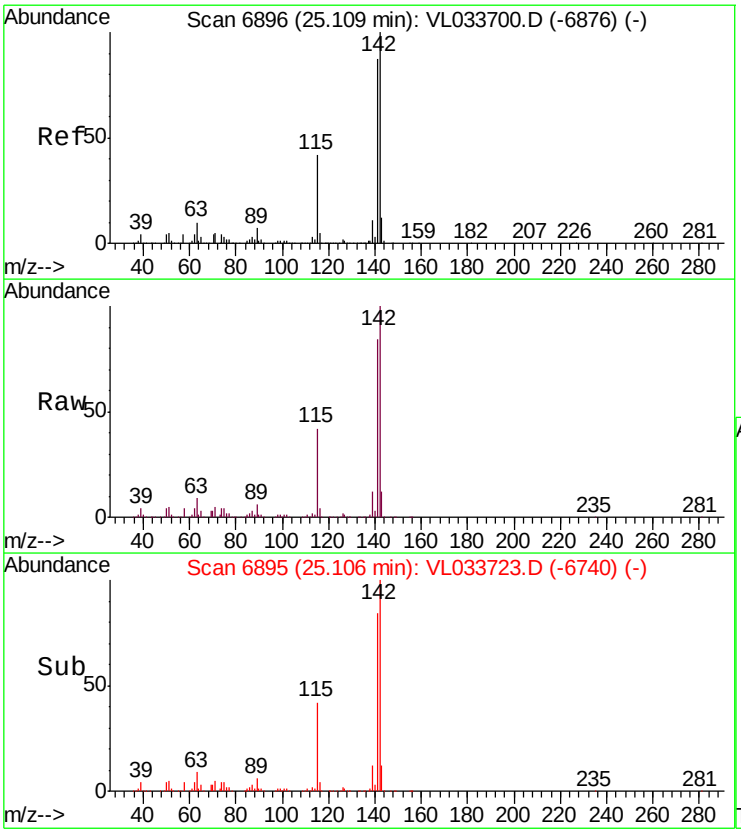
#79
Naphthalene
Concen: 6.932 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:128 Resp: 3011667

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.8	8.9	13.3

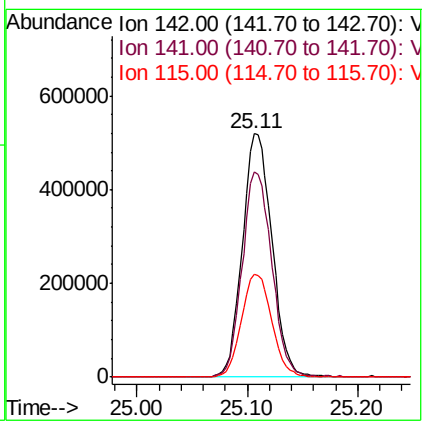


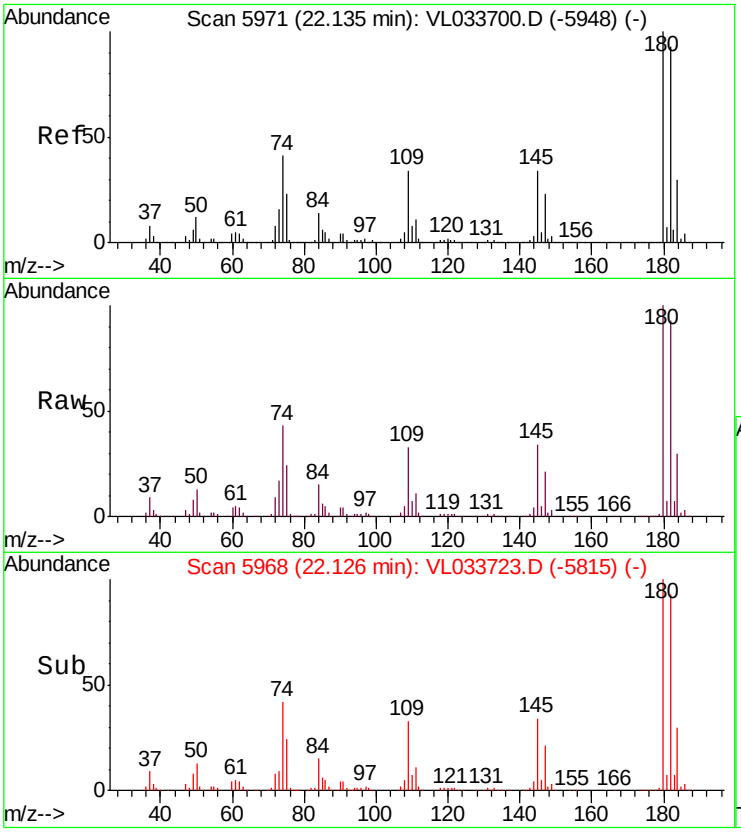


#80
Naphthalene,2-methyl-
Concen: 5.849 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Tgt Ion:142 Resp: 965588

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.2	100.8
115	43.3	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.489 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033723.D
Acq: 20 May 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tgt Ion:180 Resp: 1650814

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	31.2	24.6	37.0