Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
Data File : VL033701.D
Acq On : 17 May 2019 2:40
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: May 17 07:10:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 07:07:57 2019
QLast Update : Fri May 17 07:07:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1144129	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2757053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2794922	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2222882	9.70	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	505551	1.933	ppbv	97
3) Chlorodifluoromethane	3.01	51	304082	1.852	ppbv	94
4) Chloromethane	3.17	50	158014	1.850	ppbv	97
5) Vinyl Chloride	3.29	62	151451	1.821	ppbv	100
6) Bromomethane	3.51	94	97153	1.835	ppbv	98
7) Chloroethane	3.60	64	56021	1.851	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	405121	1.849	ppbv	99
9) Propene	3.03	41	117009	1.862	ppbv	98
10) Heptane	8.24	43	322115	2.068	ppbv	98
11) Trichlorofluoromethane	4.00	101	485975	1.930	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	349643	2.059	ppbv	100
13) Ethanol	3.65	45	20743	1.084	ppbv #	43
14) Bromoethene	3.79	108	129023	1.969	ppbv	99
15) Acetone	3.90	43	348940	2.037	ppbv	98
16) 1,3-Butadiene	3.36	39	133599	1.859	ppbv	100
17) tert-Butyl alcohol	4.36	59	277637	2.107	ppbv	99
18) 1,1-Dichloroethene	4.35	96	150620	2.060	ppbv	99
19) Isopropyl Alcohol	4.02	45	213815	1.999	ppbv #	98
20) Methylene Chloride	4.40	84	136486	2.107	ppbv	96
21) Allyl Chloride	4.47	41	218855	2.103	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	154177	2.126	ppbv	99
23) Vinyl Acetate	5.15	43	476530	2.158	ppbv	99
24) 1,1-Dichloroethane	5.08	63	349938	2.098	ppbv	99
25) Ethyl Acetate	5.76	43	589284	2.112	ppbv	100
26) Hexane	5.78	57	256582	2.139	ppbv	97
27) Carbon Disulfide	4.62	76	357661	2.172	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	457197	2.282	ppbv	100
29) Chloroform	5.84	83	443356	2.060	ppbv	94
30) Cyclohexane	7.24	84	210892	2.106	ppbv	86
31) cis-1,2-Dichloroethene	5.63	61	249945	2.120	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	447093	2.019	ppbv	99
34) 2-Butanone	5.33	43	382249	2.161	ppbv	99
35) Carbon Tetrachloride	7.13	117	471667	2.079	ppbv	97
36) Benzene	7.00	78	534913	2.147	ppbv	98
37) 1,2-Dichloroethane	6.41	62	338946	1.952	ppbv	100
38) Trichloroethene	7.96	130	209702	2.307	ppbv	94
39) 1,2-Dichloropropane	7.73	63	192522	2.073	ppbv	93
40) 1,4-Dioxane	7.96	88	81317	2.164	ppbv #	99
41) Tetrahydrofuran	6.15	42	209753	2.265	ppbv	99
42) Bromodichloromethane	7.91	83	462694	2.073	ppbv	95
43) Methyl Methacrylate	8.13	69	196622	2.103	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
Data File : VL033701.D
Acq On : 17 May 2019 2:40
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: May 17 07:10:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 07:07:57 2019
QLast Update : Fri May 17 07:07:57 2019
Response via : Initial Calibration

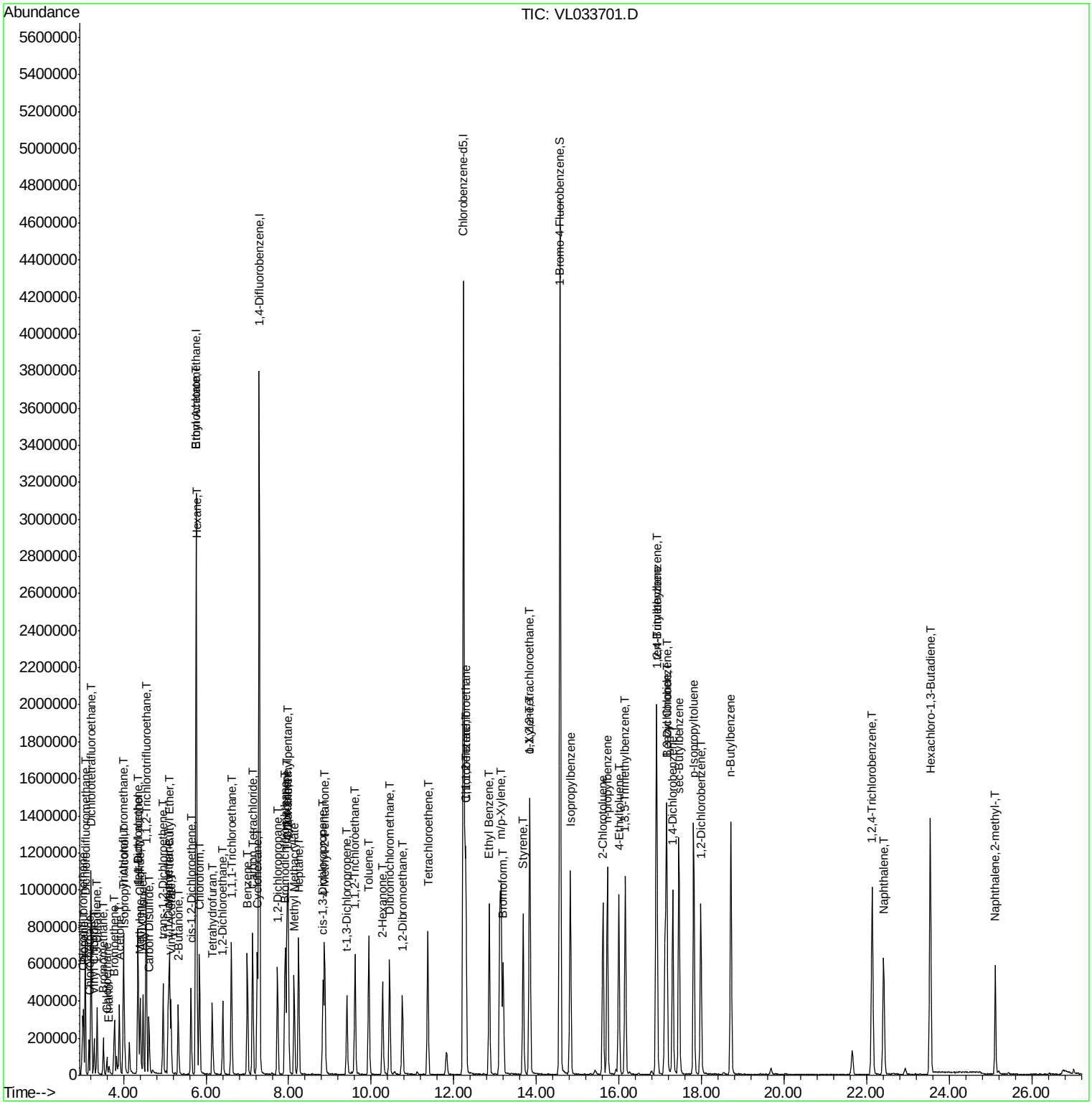
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	915005	2.151	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	241386	2.090	ppbv		93
46) cis-1,3-Dichloropropene	8.83	75	289161	2.014	ppbv		93
47) 1,1,2-Trichloroethane	9.61	97	220239	2.065	ppbv		98
48) Dibromochloromethane	10.44	129	376657	2.079	ppbv		99
49) Bromoform	13.20	173	322846	2.083	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	557454	2.078	ppbv		100
51) 2-Hexanone	10.27	43	437135	2.093	ppbv	#	98
52) Tetrachloroethene	11.37	164	190569	2.157	ppbv		97
53) Toluene	9.94	91	285445	1.057	ppbv	#	21
54) 1,2-Dibromoethane	10.75	107	338323	2.101	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.27	131	266880	2.053	ppbv	#	1
57) Chlorobenzene	12.30	112	474264	2.047	ppbv		99
58) Ethyl Benzene	12.86	91	793181	2.155	ppbv		99
59) m/p-Xylene	13.15	91	531420	1.639	ppbv	#	1
60) o-Xylene	13.84	91	694555	2.122	ppbv		99
61) Styrene	13.68	104	480361	2.198	ppbv		99
62) Isopropylbenzene	14.82	105	934436	2.087	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	495187	2.085	ppbv		98
64) n-propylbenzene	15.72	120	130546	1.130	ppbv	#	1
65) tert-Butylbenzene	16.90	119	893237	2.175	ppbv		98
66) Benzyl Chloride	17.15	91	396458	2.109	ppbv		100
67) sec-Butylbenzene	17.45	105	1233855	2.158	ppbv		99
69) p-Isopropyltoluene	17.81	119	1036328	2.198	ppbv		99
70) n-Butylbenzene	18.71	91	1103968	2.216	ppbv		99
71) 2-Chlorotoluene	15.61	91	711362	2.153	ppbv		100
72) 4-Ethyltoluene	16.00	105	803125	2.090	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	785424	2.116	ppbv		97
74) 1,2,4-Trimethylbenzene	16.92	105	851815	2.059	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	518331	2.081	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	491316	2.079	ppbv		98
77) 1,2-Dichlorobenzene	17.98	146	487518	2.109	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	366482	1.999	ppbv		100
79) Naphthalene	22.41	128	811919	2.148	ppbv		96
80) Naphthalene,2-methyl-	25.11	142	303145	2.100	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	471848	2.146	ppbv		99

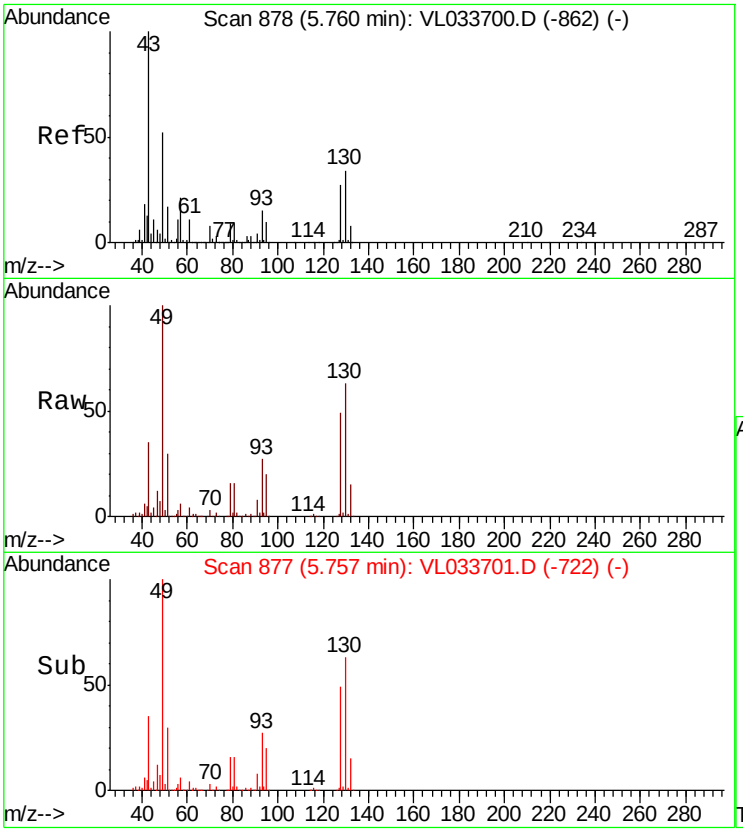
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\
Data File : VL033701.D
Acq On : 17 May 2019 2:40
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: May 17 07:10:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 07:07:57 2019
QLast Update : Fri May 17 07:07:57 2019
Response via : Initial Calibration



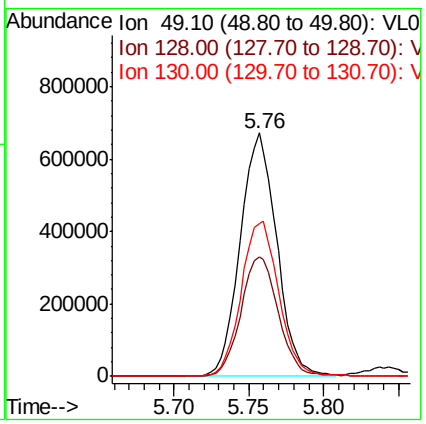


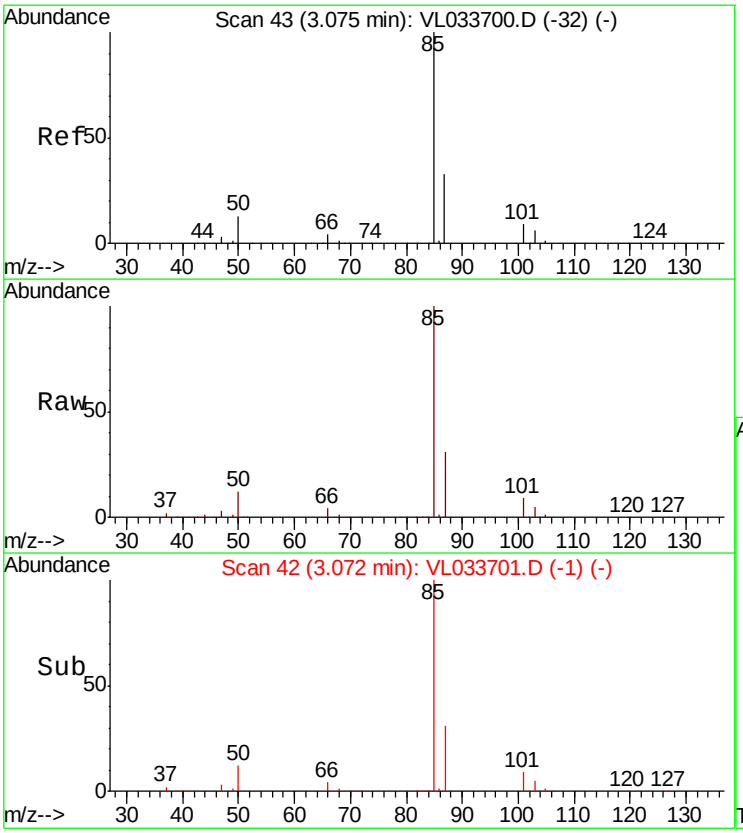
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1144129

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.2	75.6
130	65.6	32.5	97.5

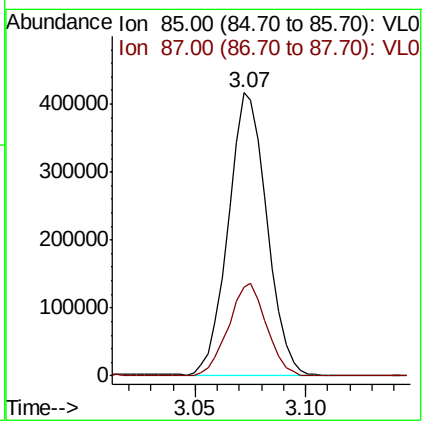


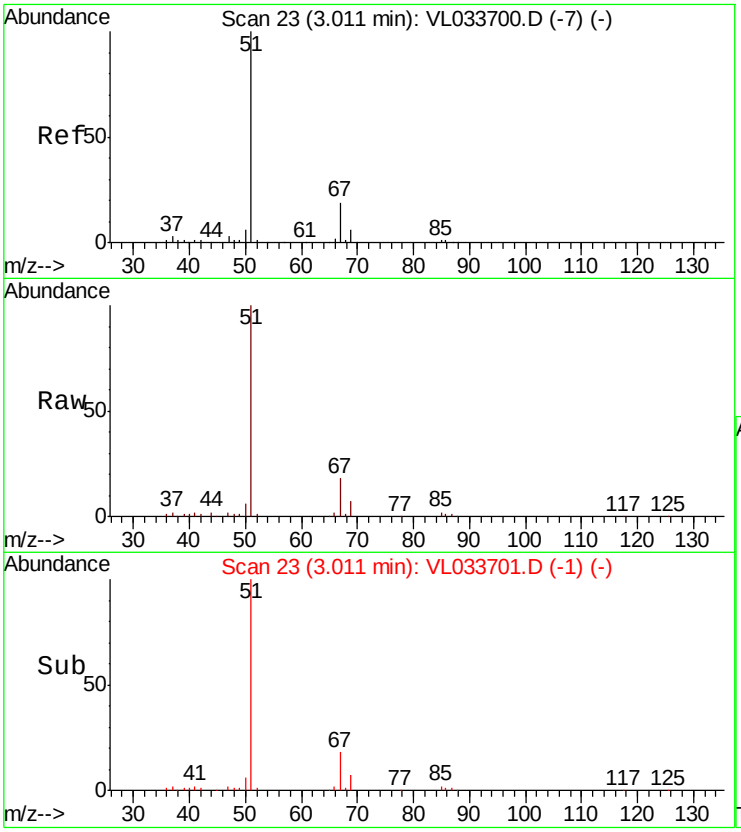


#2
Dichlorodifluoromethane
Concen: 1.933 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 85 Resp: 505551

Ion	Ratio	Lower	Upper
85	100		
87	31.2	26.3	39.5



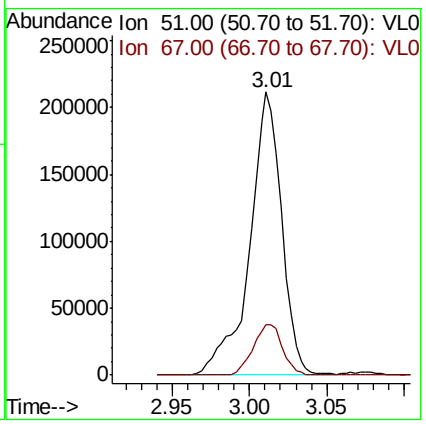


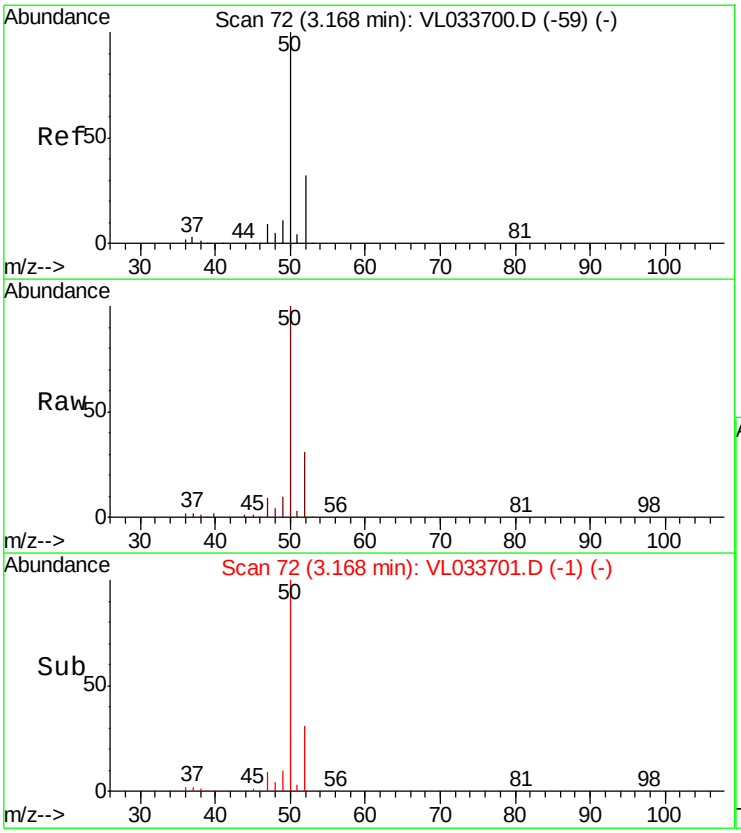
#3
Chlorodifluoromethane
Concen: 1.852 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 304082

Ion	Ratio	Lower	Upper
51	100		
67	16.7	15.6	23.4

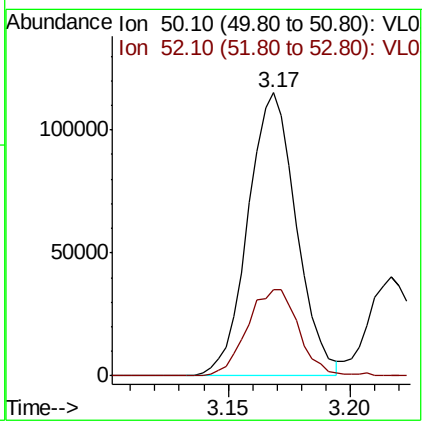


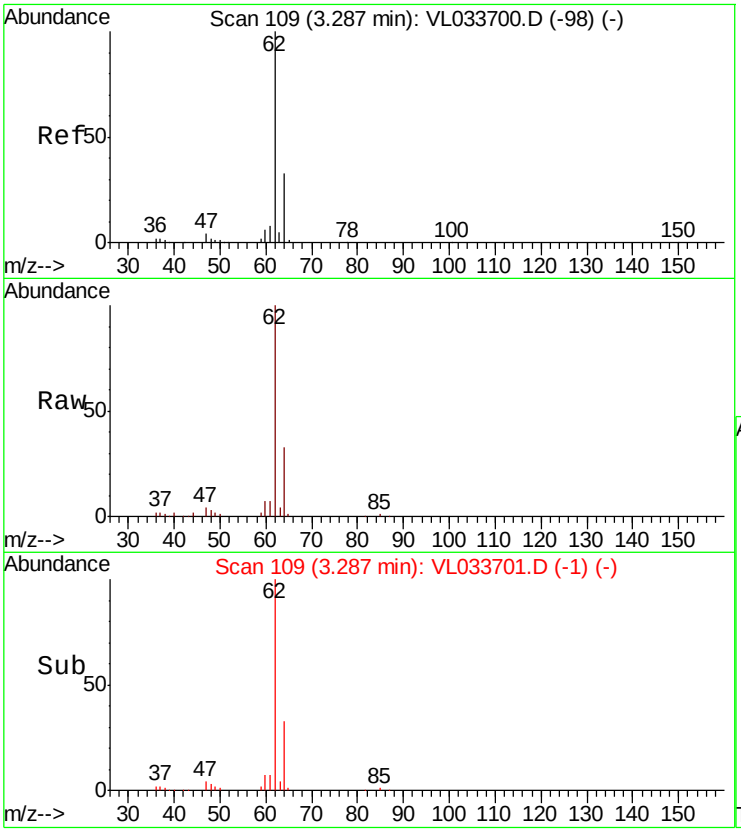


#4
Chloromethane
Concen: 1.850 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 50 Resp: 158014

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.7	38.5



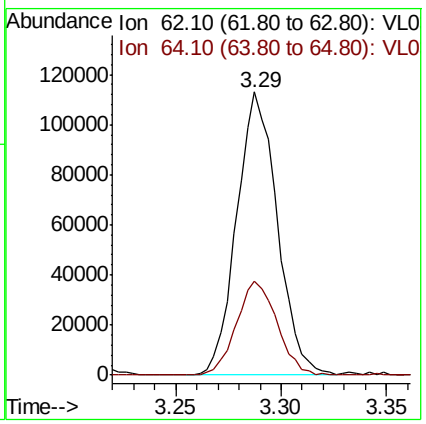


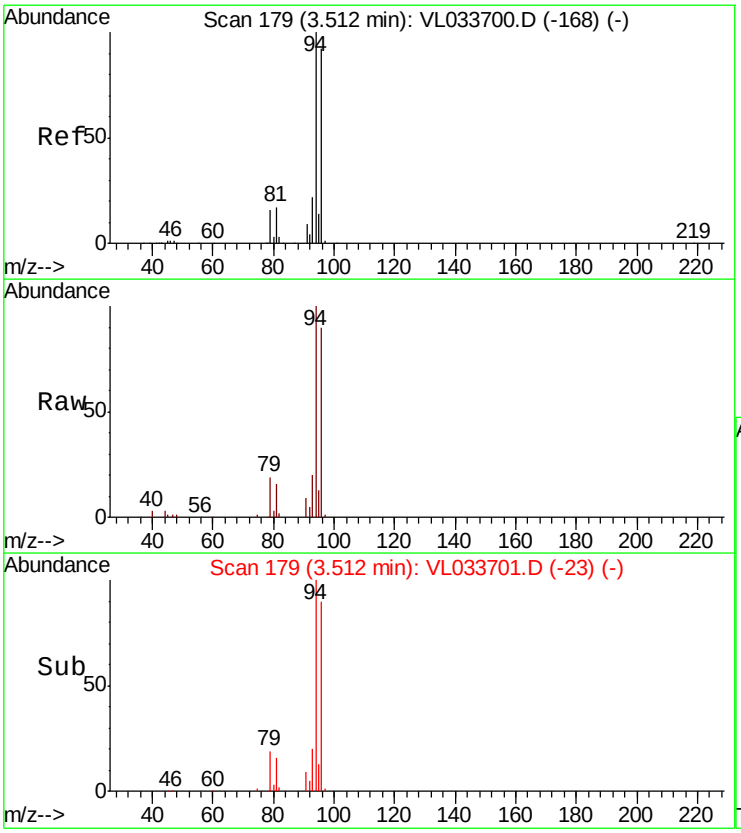
#5
Vinyl Chloride
Concen: 1.821 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 151451

Ion	Ratio	Lower	Upper
62	100		
64	33.1	26.4	39.6

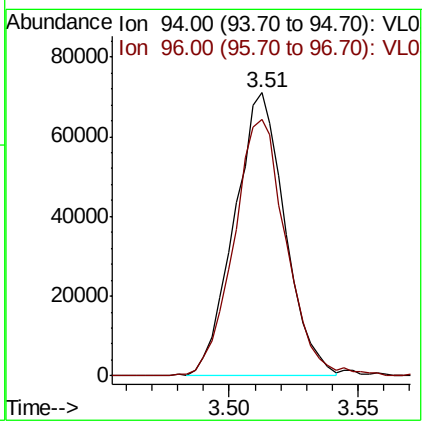


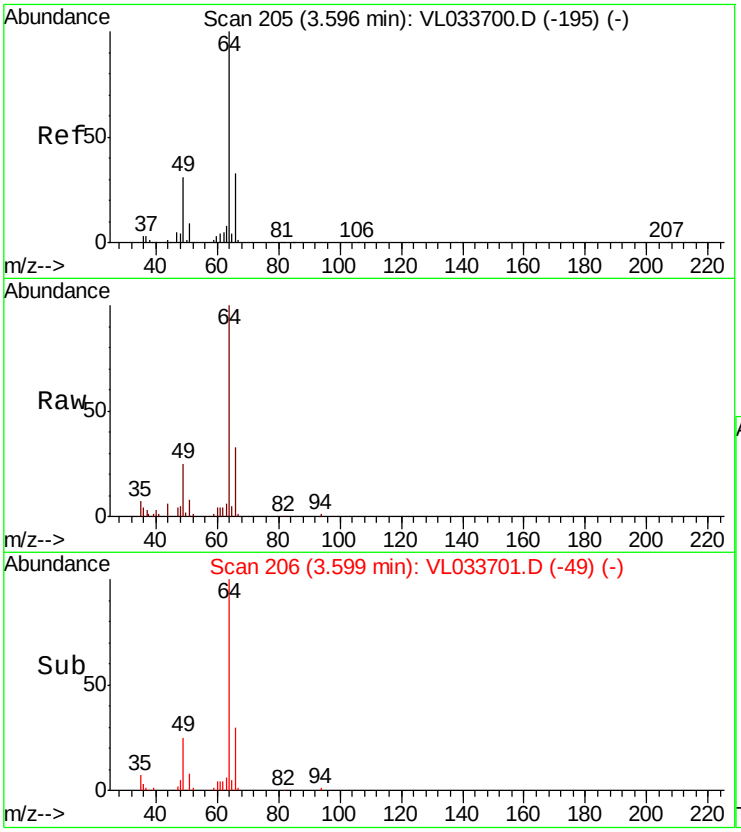


#6
Bromomethane
Concen: 1.835 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 94 Resp: 97153

Ion	Ratio	Lower	Upper
94	100		
96	90.0	73.6	110.4



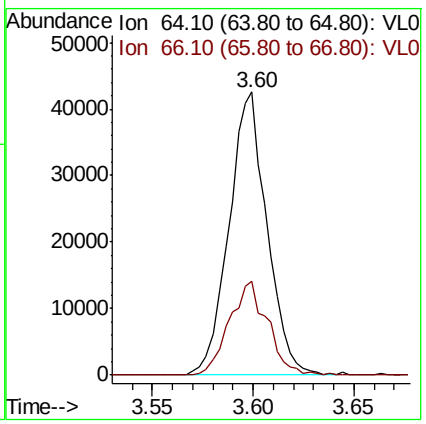


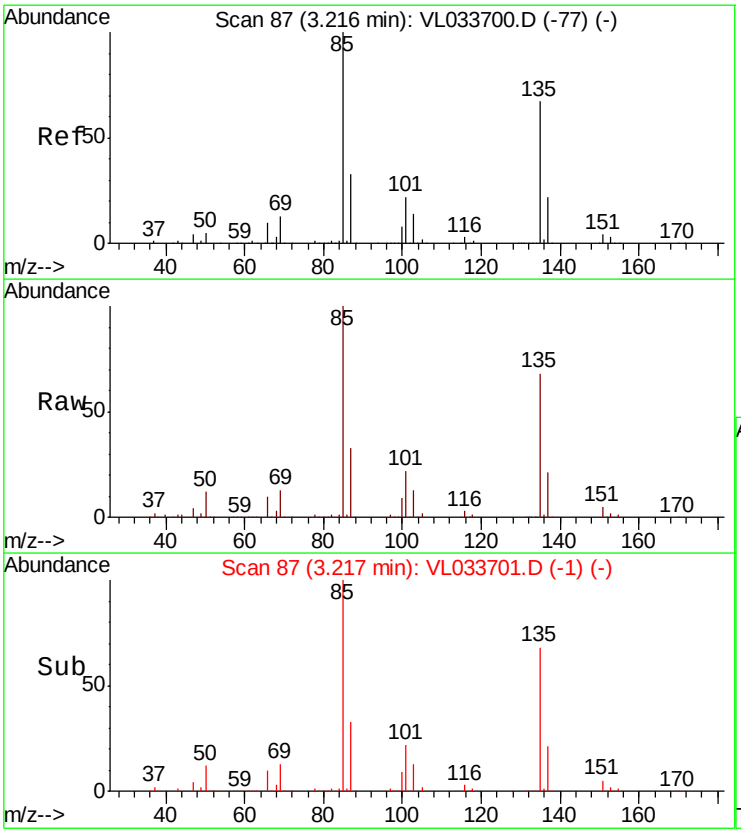
#7
Chloroethane
Concen: 1.851 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 56021

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	40.0

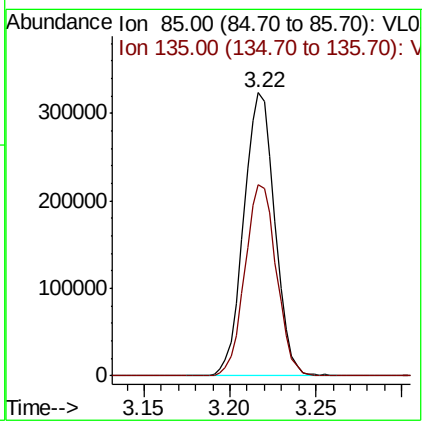


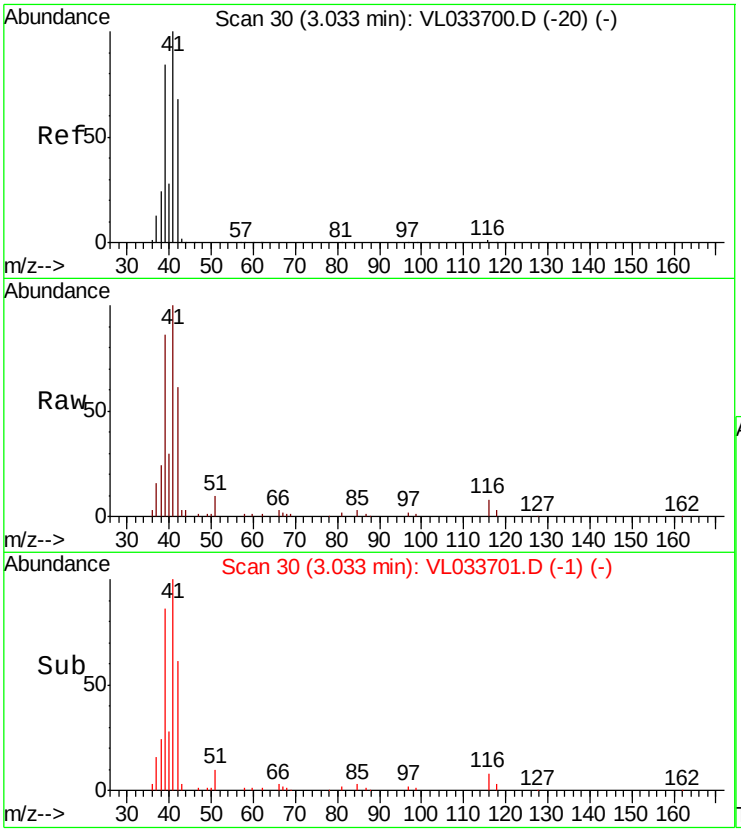


#8
Dichlorotetrafluoroethane
Concen: 1.849 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 85 Resp: 405121

Ion	Ratio	Lower	Upper
85	100		
135	68.5	54.5	81.7



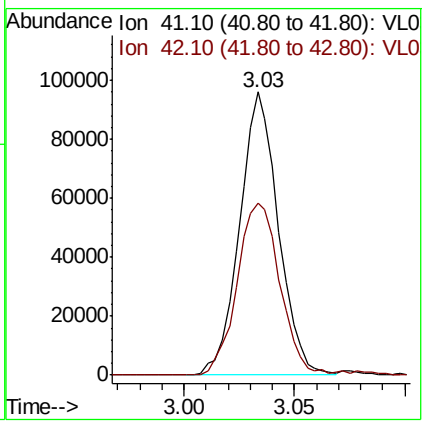


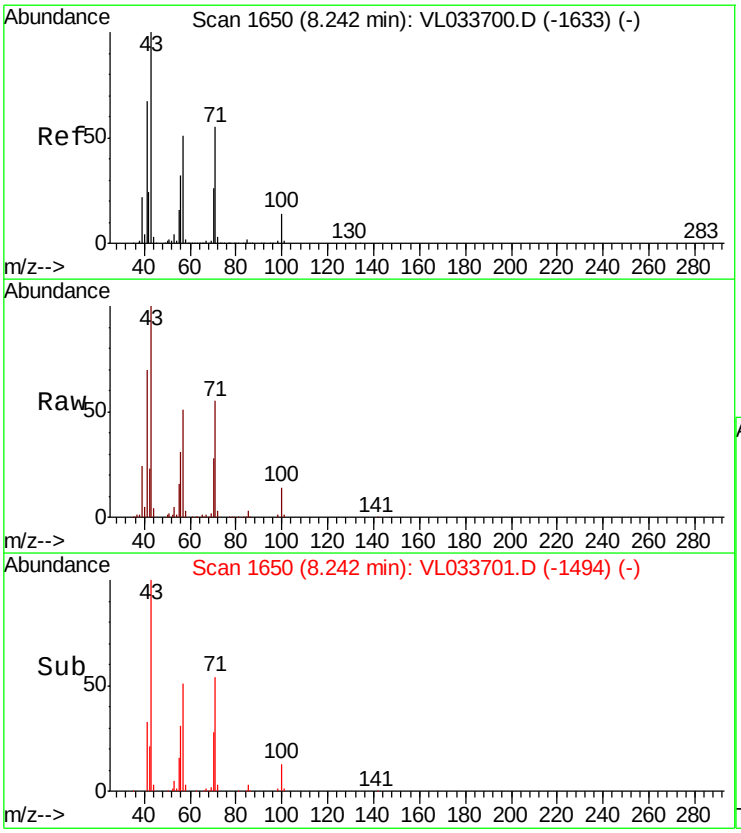
#9
Propene
Concen: 1.862 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 117009

Ion	Ratio	Lower	Upper
41	100		
42	68.7	56.1	84.1

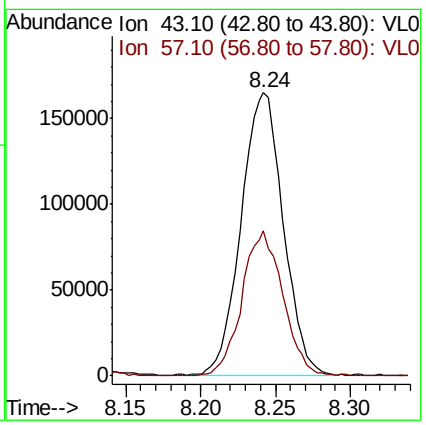


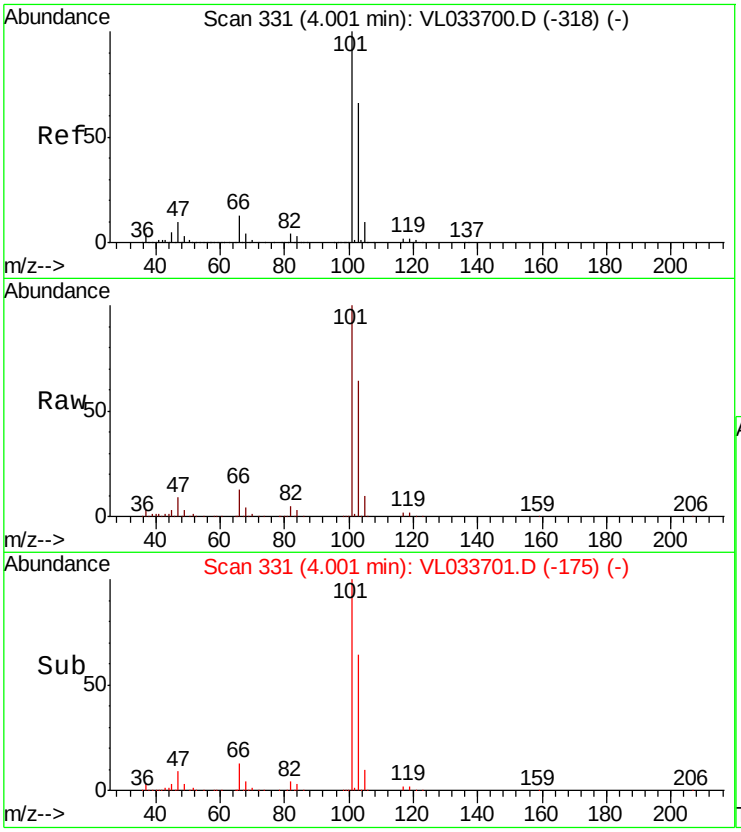


#10
Heptane
Concen: 2.068 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 43 Resp: 322115

Ion	Ratio	Lower	Upper
43	100		
57	50.1	41.4	62.0



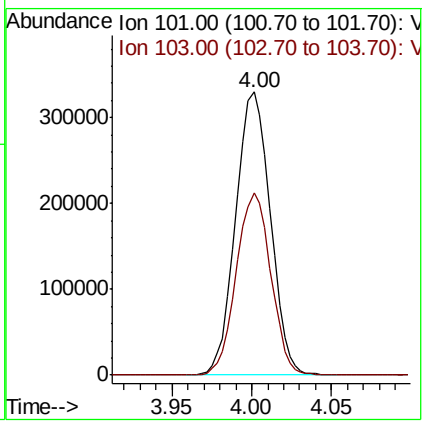


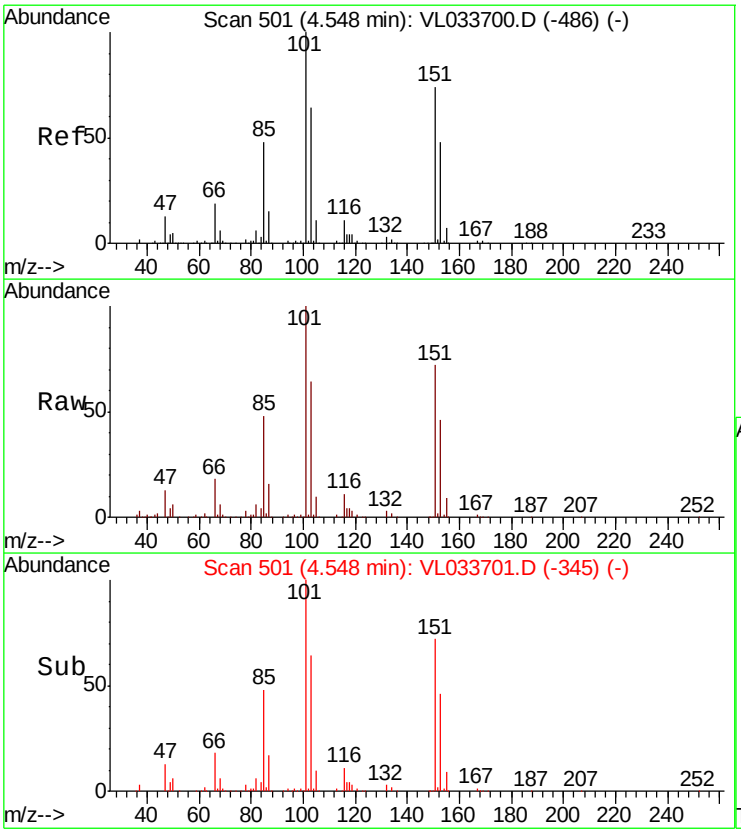
#11
Trichlorofluoromethane
Concen: 1.930 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 485975

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	78.8

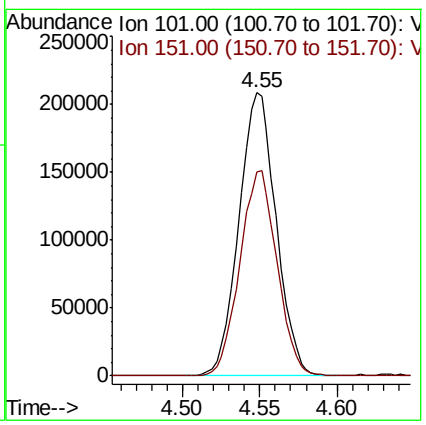


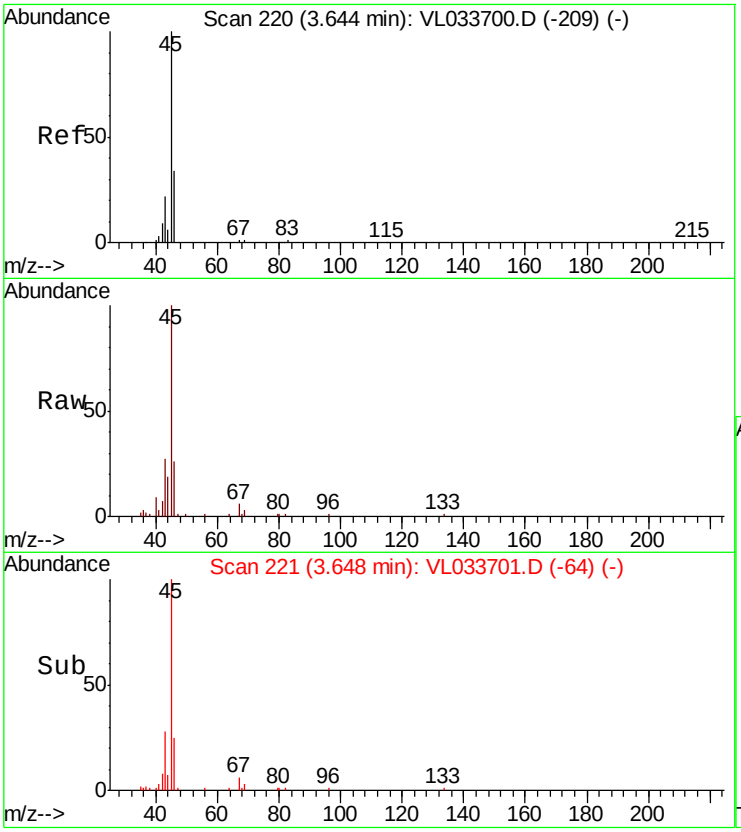


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.059 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:101 Resp: 349643

Ion	Ratio	Lower	Upper
101	100		
151	72.4	58.2	87.4



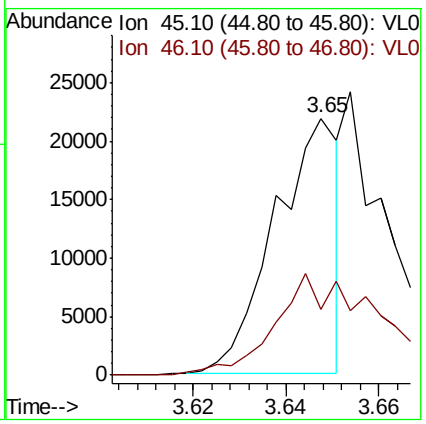


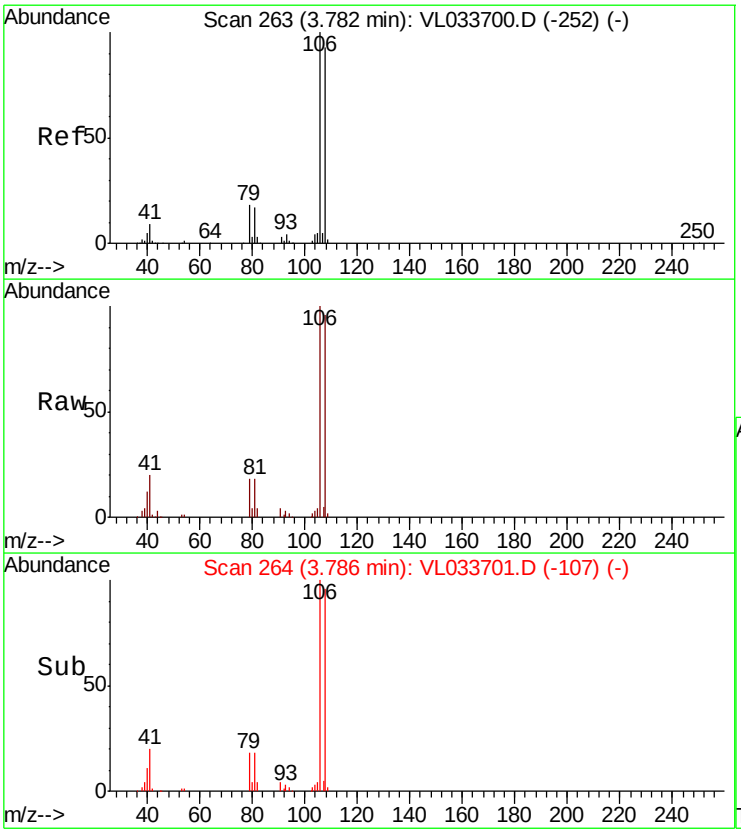
#13
Ethanol
Concen: 1.084 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 20743

Ion	Ratio	Lower	Upper
45	100		
46	71.0	14.8	59.0#

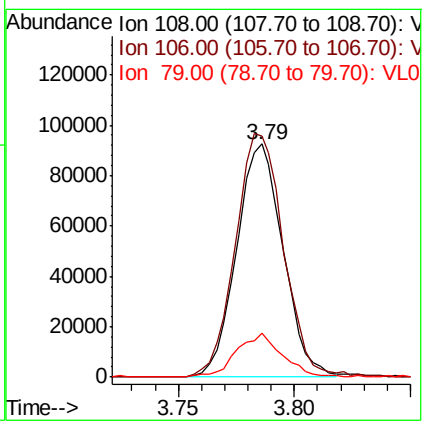


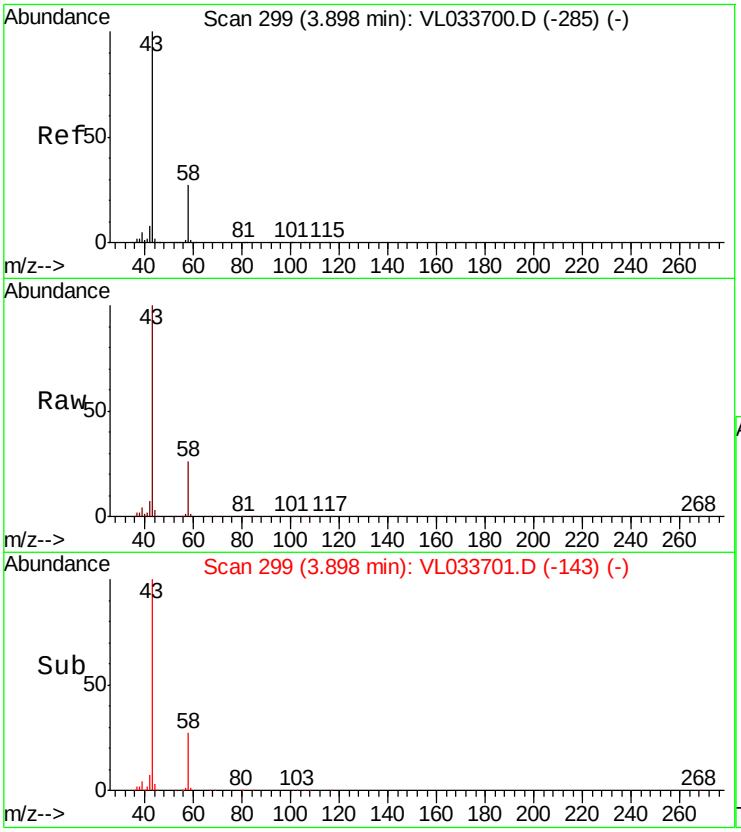


#14
Bromoethene
Concen: 1.969 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:108 Resp: 129023

Ion	Ratio	Lower	Upper
108	100		
106	108.9	86.5	129.7
79	18.9	15.1	22.7



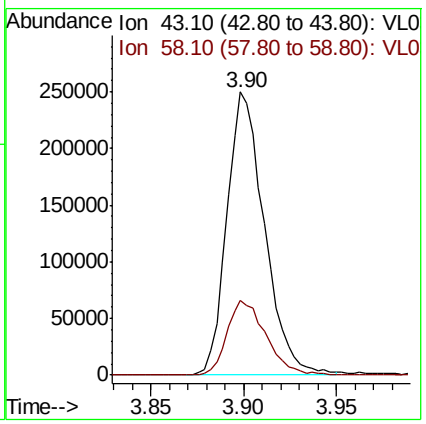


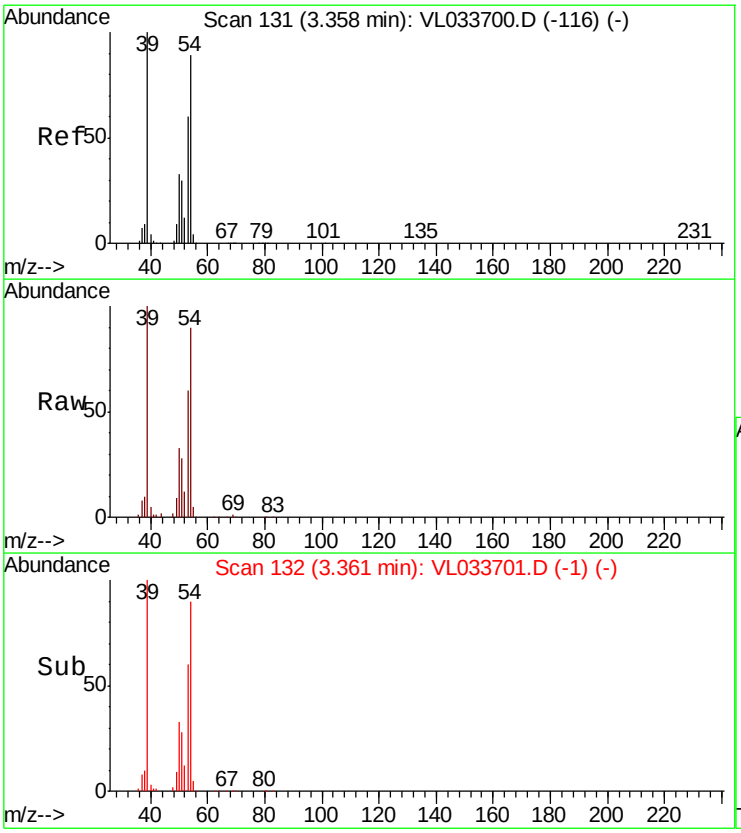
#15
Acetone
Concen: 2.037 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 348940

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.3	31.9

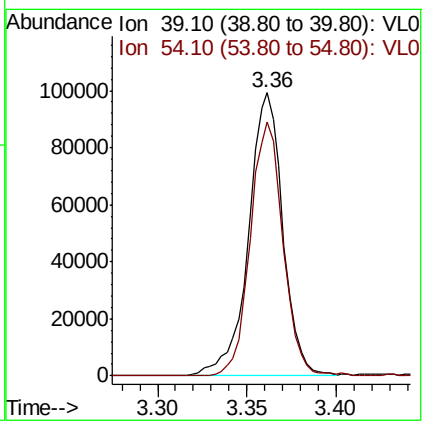


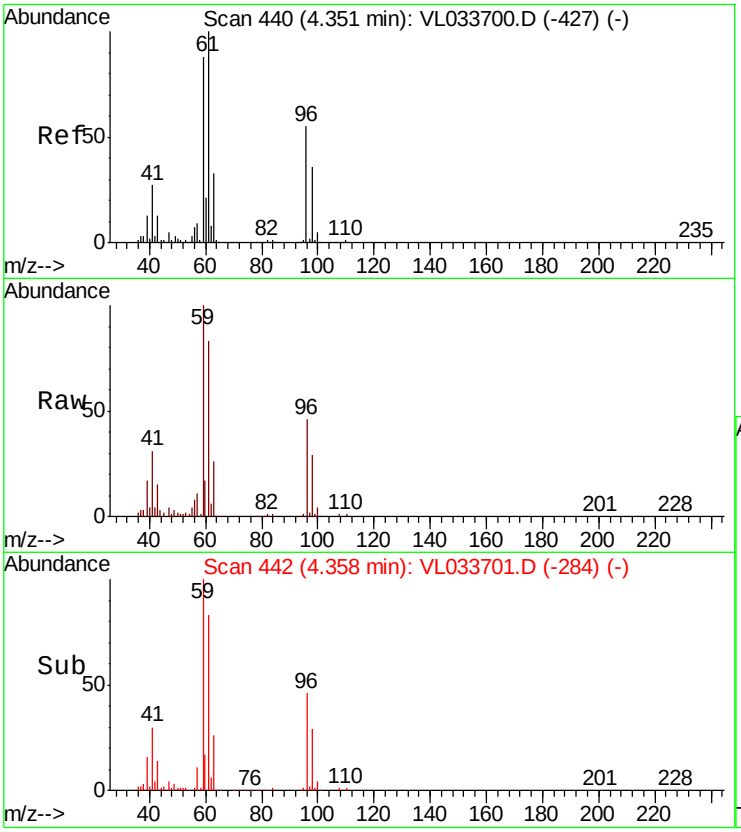


#16
1,3-Butadiene
Concen: 1.859 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 39 Resp: 133599

Ion	Ratio	Lower	Upper
39	100		
54	85.9	69.0	103.6



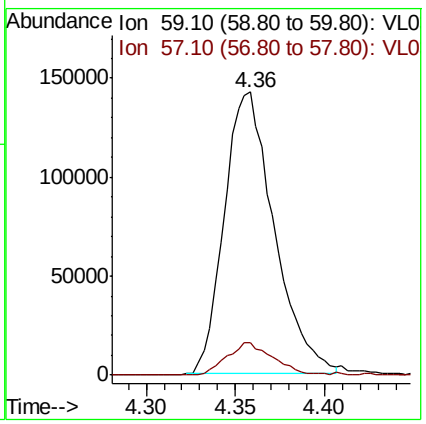


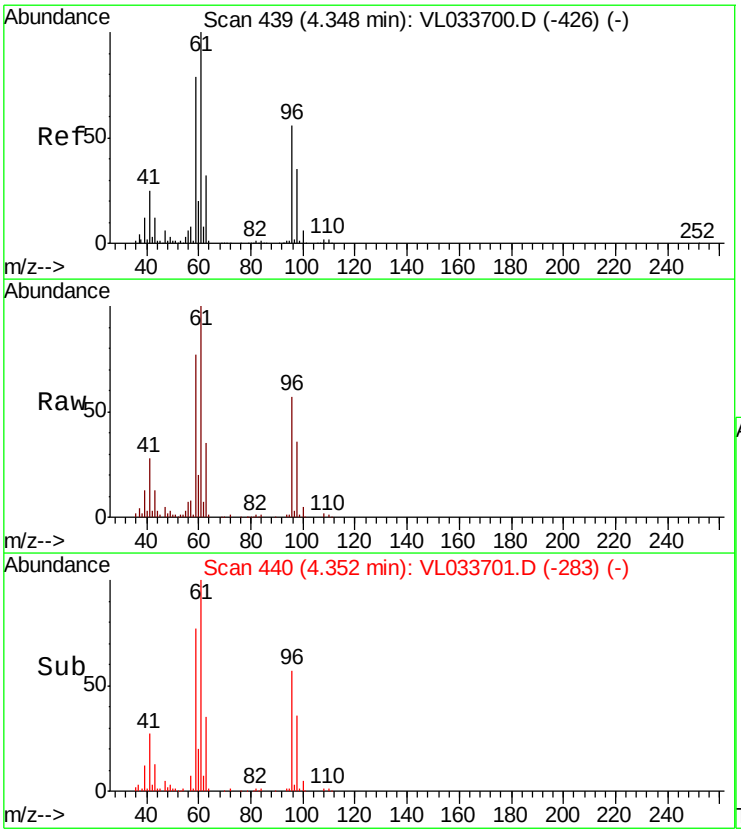
#17
tert-Butyl alcohol
Concen: 2.107 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 277637

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.4	12.6

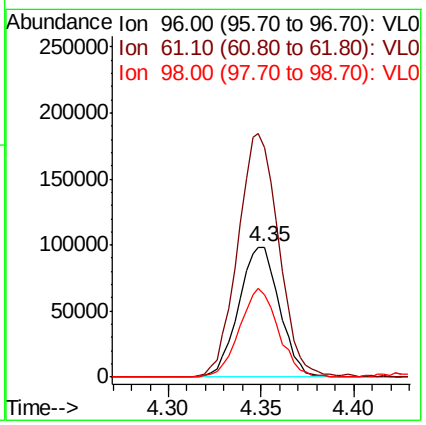


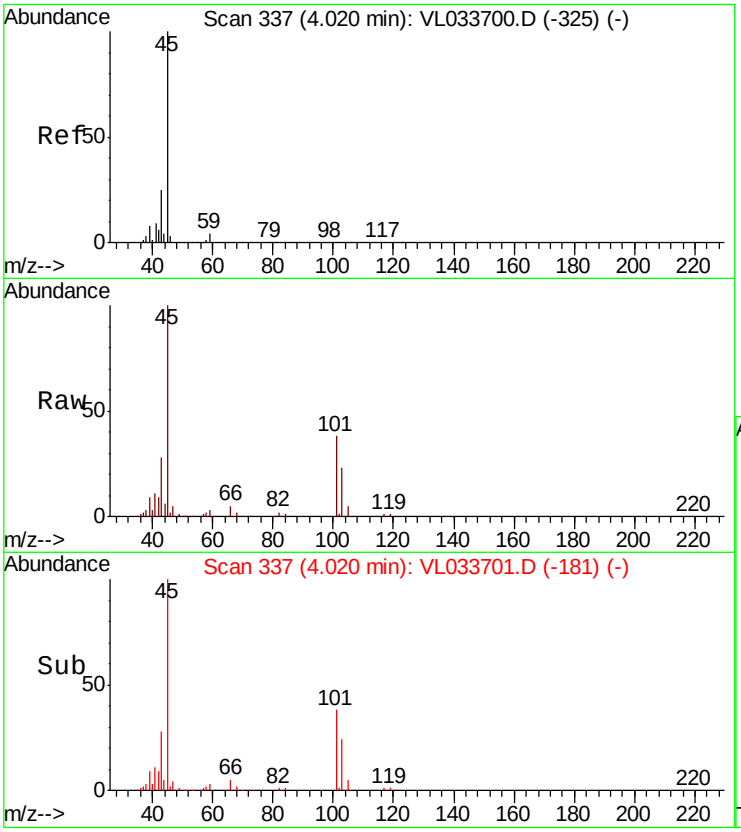


#18
1,1-Dichloroethene
Concen: 2.060 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 96 Resp: 150620

Ion	Ratio	Lower	Upper
96	100		
61	176.9	143.1	214.7
98	62.8	49.5	74.3



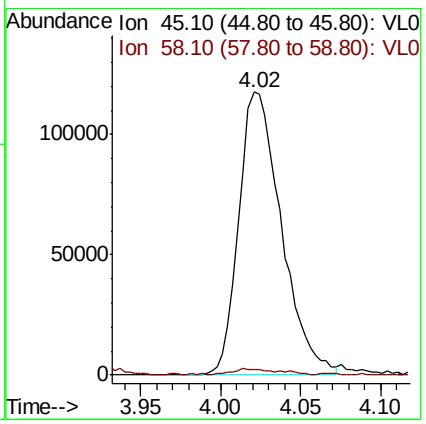


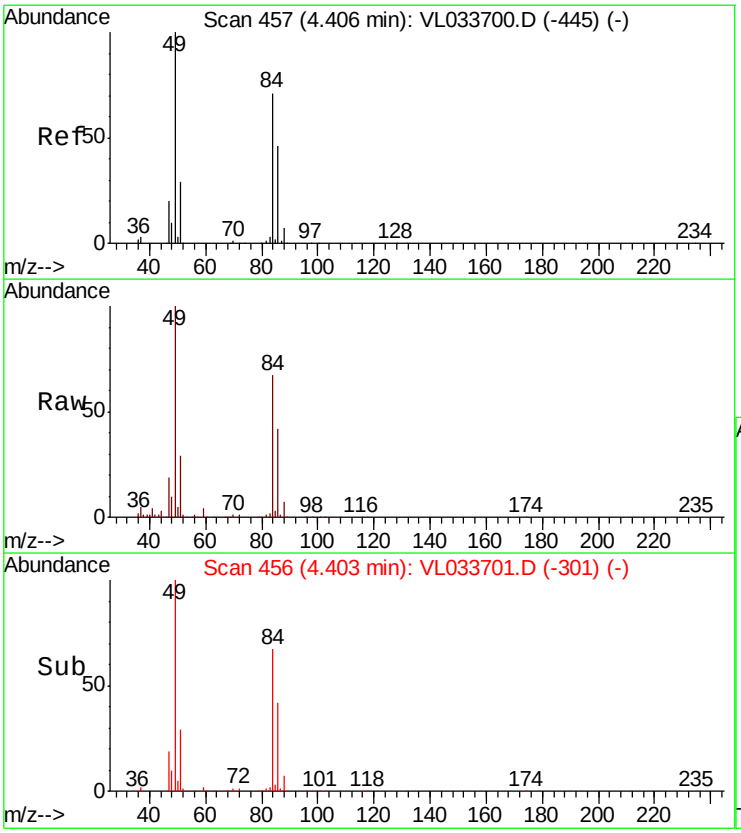
#19
Isopropyl Alcohol
Concen: 1.999 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 213815

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.6	2.4#

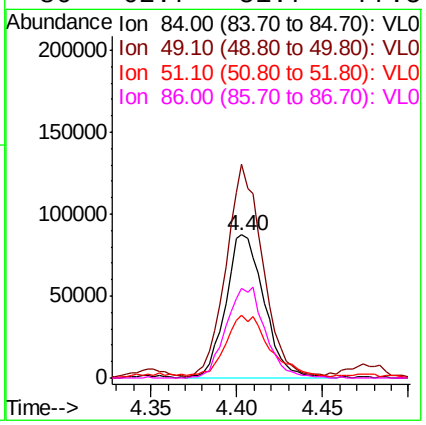


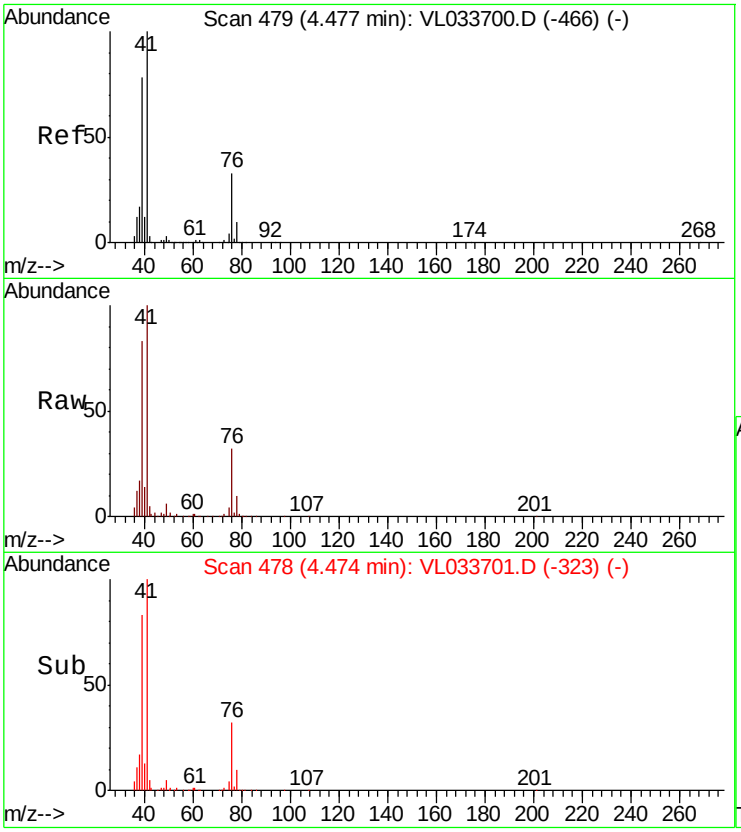


#20
Methylene Chloride
Concen: 2.107 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 84 Resp: 136486

Ion	Ratio	Lower	Upper
84	100		
49	148.3	112.8	169.2
51	42.5	33.4	50.0
86	62.7	51.7	77.5



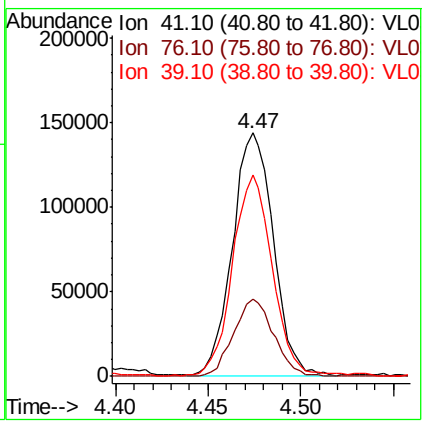


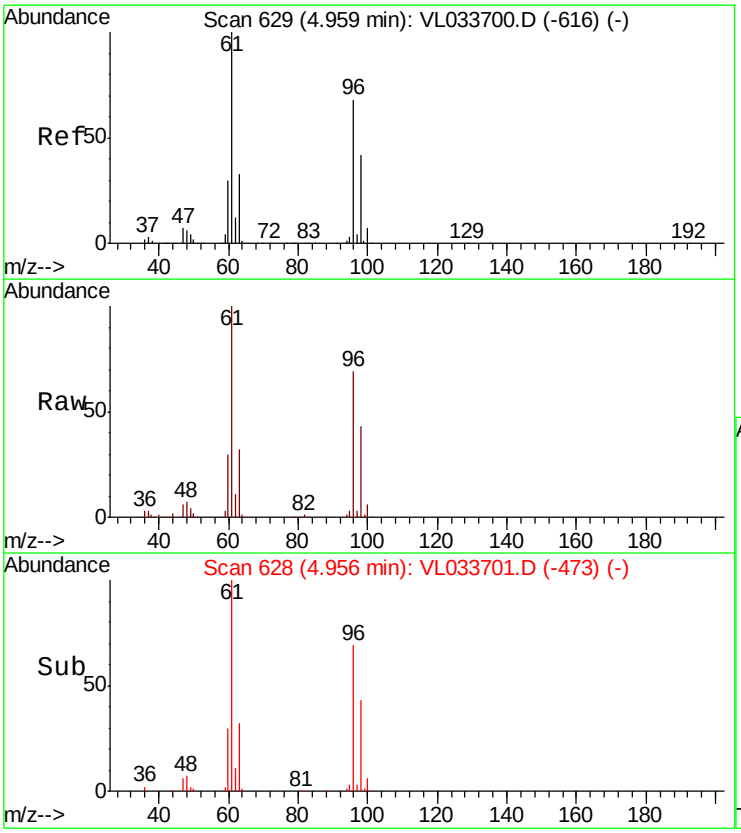
#21
Allyl Chloride
Concen: 2.103 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 218855

Ion	Ratio	Lower	Upper
41	100		
76	31.6	25.9	38.9
39	81.4	64.6	97.0

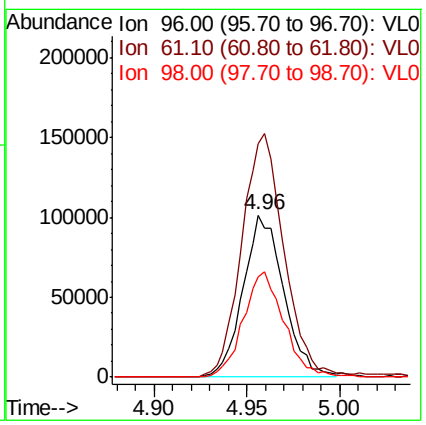


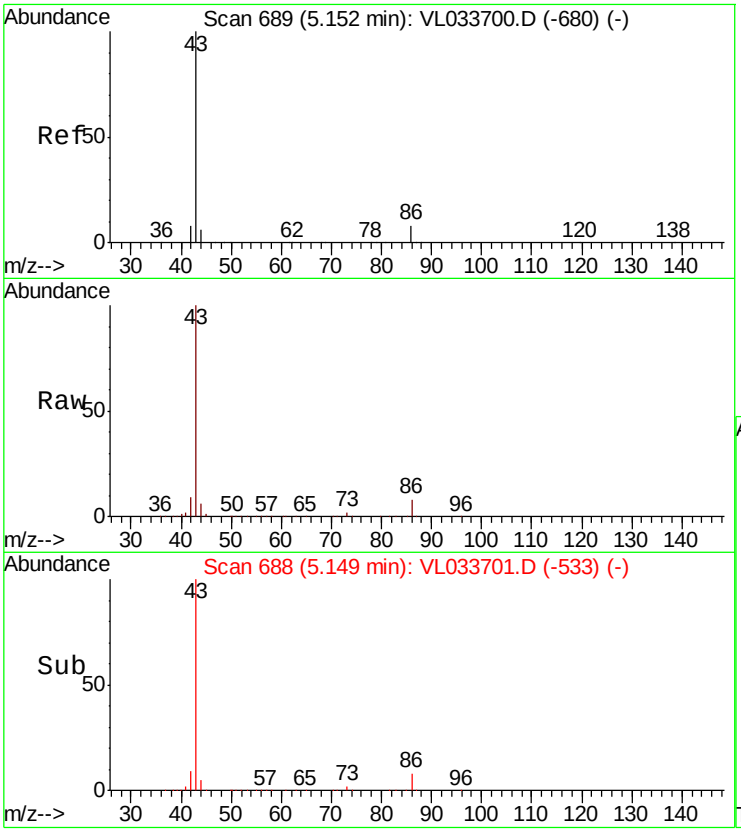


#22
trans-1,2-Dichloroethene
Concen: 2.126 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 96 Resp: 154177

Ion	Ratio	Lower	Upper
96	100		
61	144.1	116.8	175.2
98	61.6	49.4	74.0



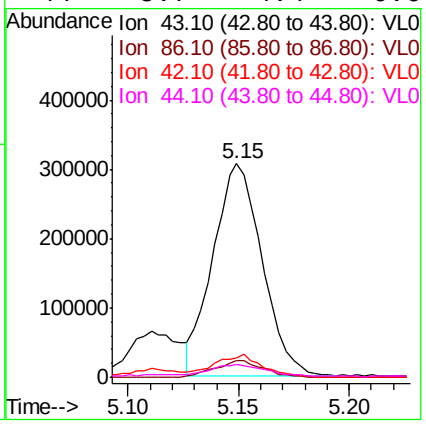


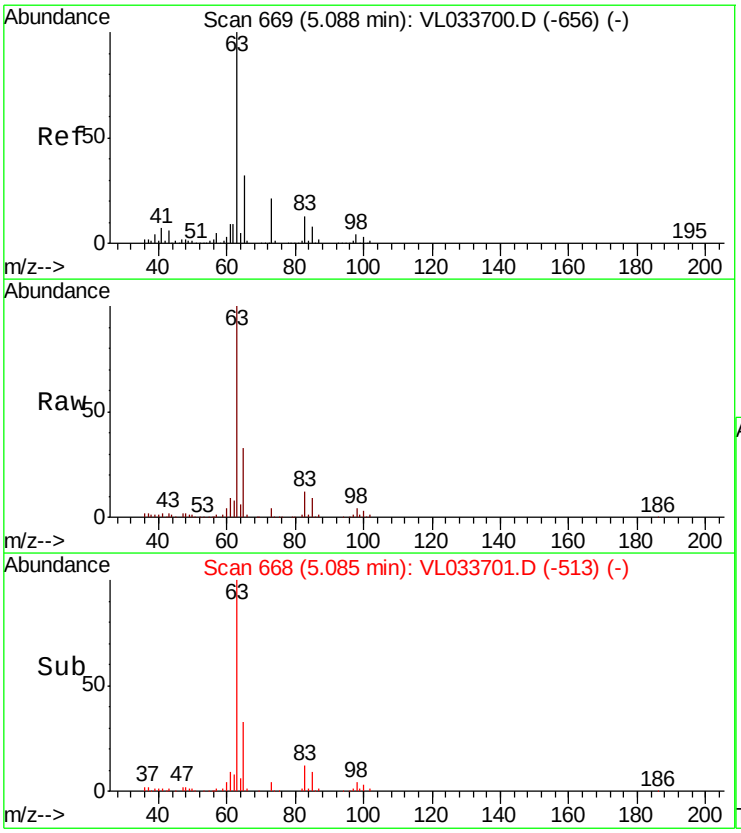
#23
Vinyl Acetate
Concen: 2.158 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 476530

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	9.1	7.5	11.3
44	5.7	4.4	6.6

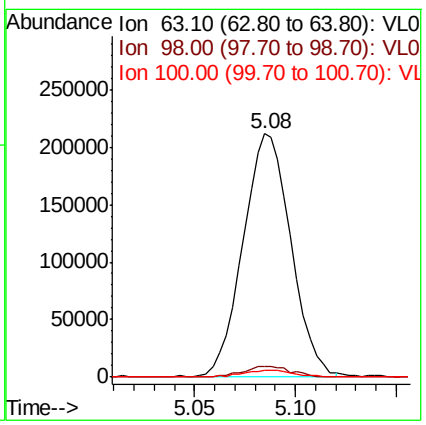


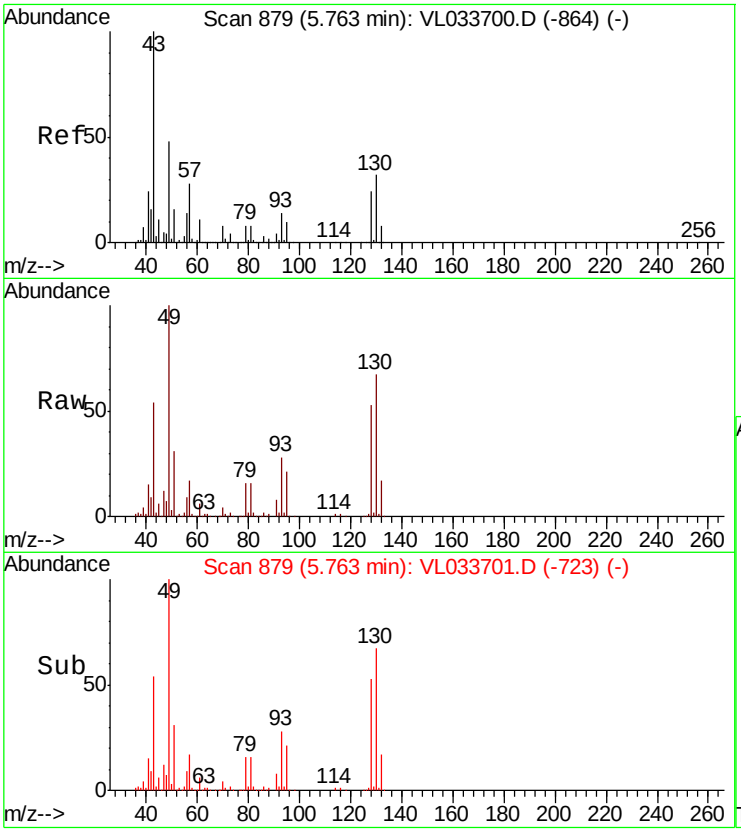


#24
1,1-Dichloroethane
Concen: 2.098 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 63 Resp: 349938

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.5
100	2.9	1.4	4.2



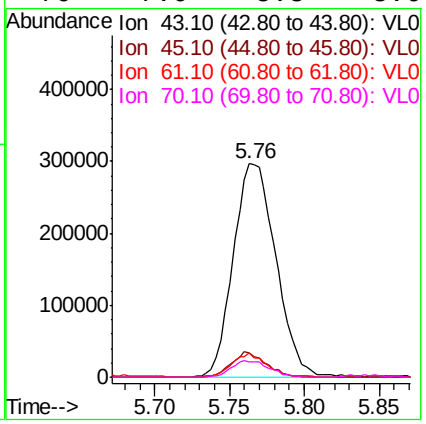


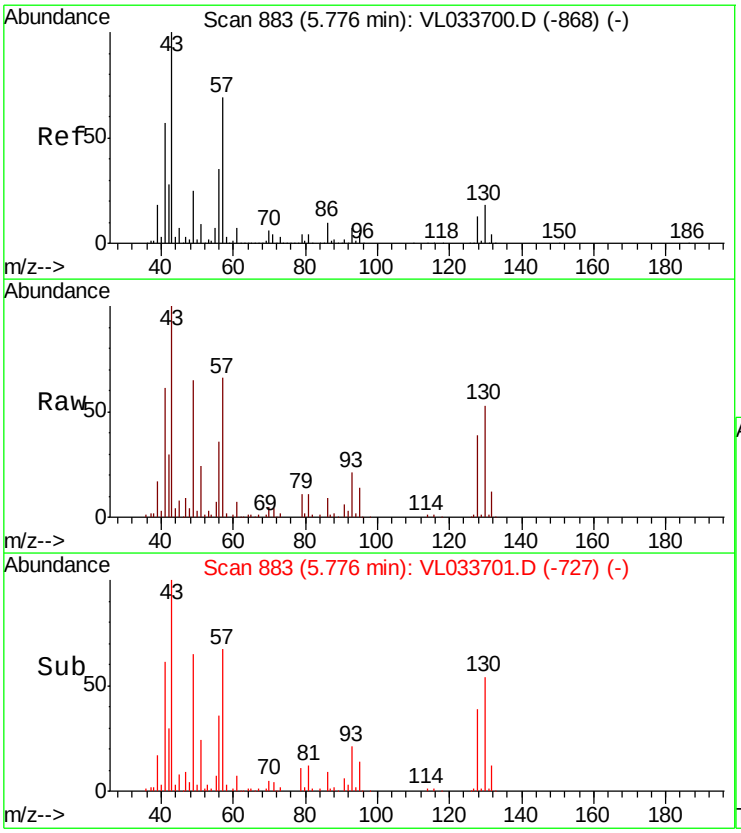
#25
Ethyl Acetate
Concen: 2.112 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 589284

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.6	7.7	11.5
70	7.0	5.8	8.6

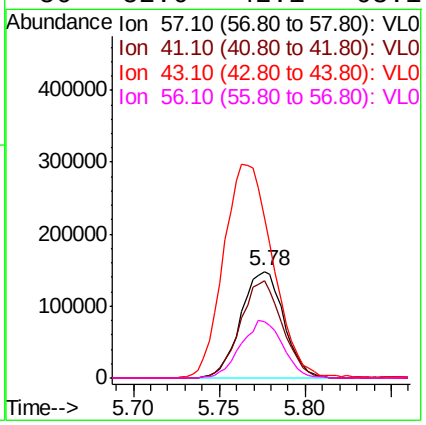


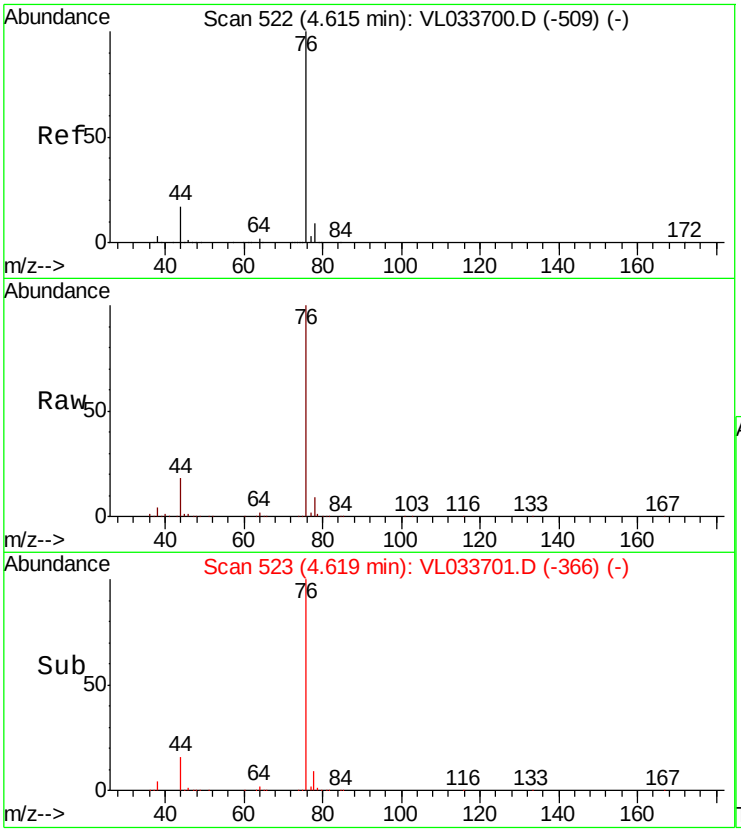


#26
Hexane
Concen: 2.139 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 57 Resp: 256582

Ion	Ratio	Lower	Upper
57	100		
41	90.2	69.8	104.6
43	232.6	181.8	272.6
56	52.6	42.1	63.1



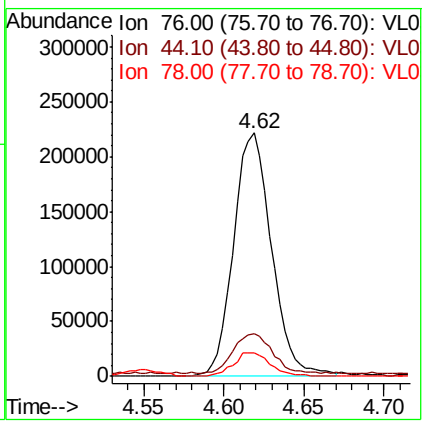


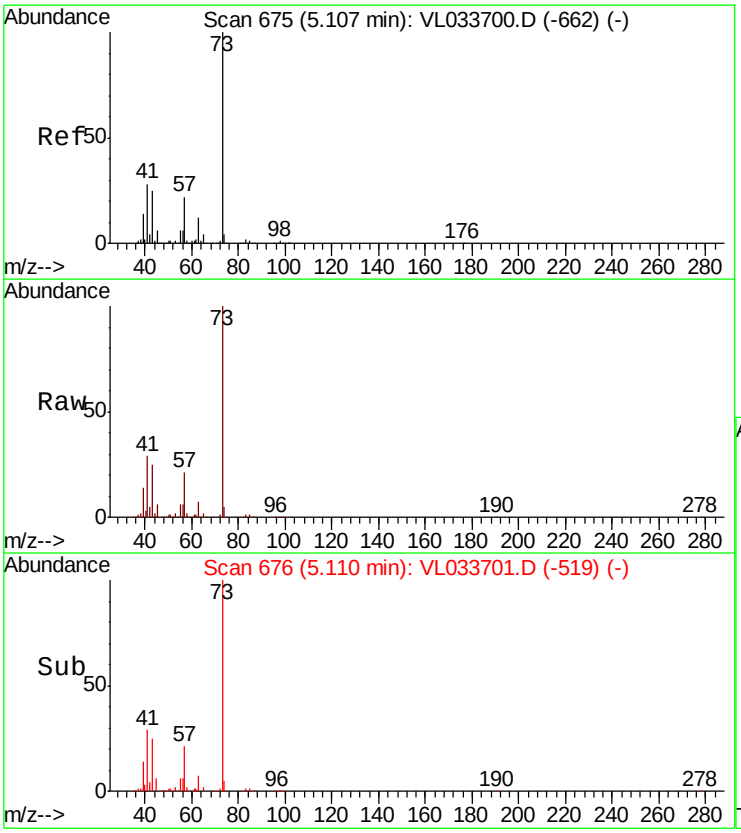
#27
Carbon Disulfide
Concen: 2.172 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 357661

Ion	Ratio	Lower	Upper
76	100		
44	17.1	13.8	20.8
78	9.8	7.4	11.0

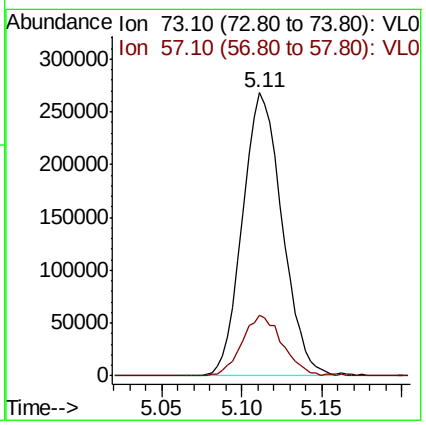


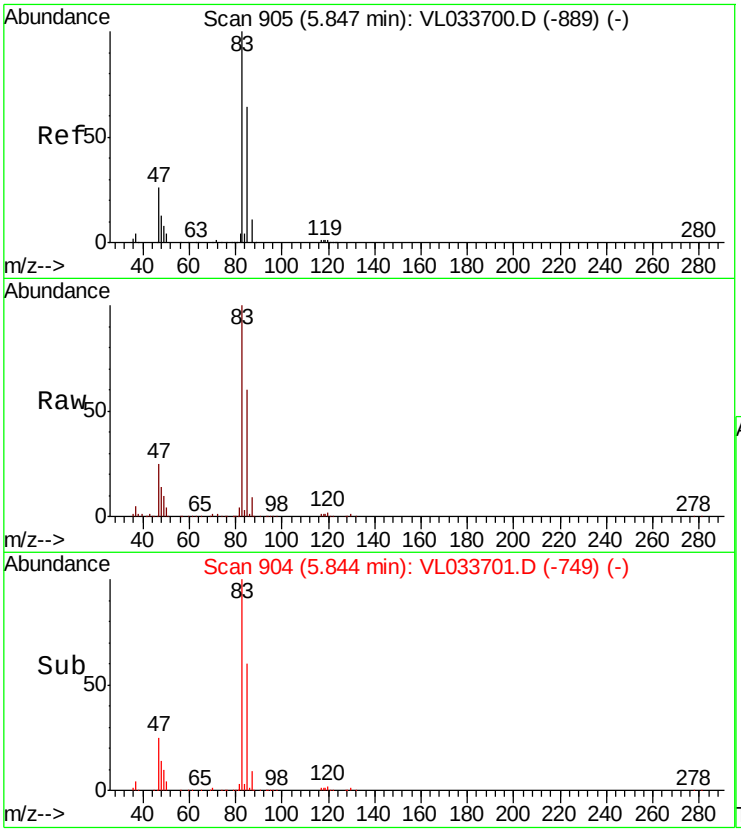


#28
Methyl tert-Butyl Ether
Concen: 2.282 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 73 Resp: 457197

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



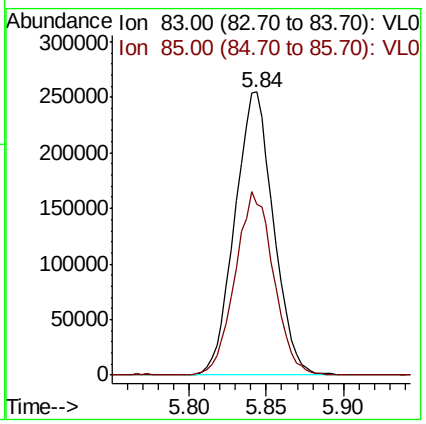


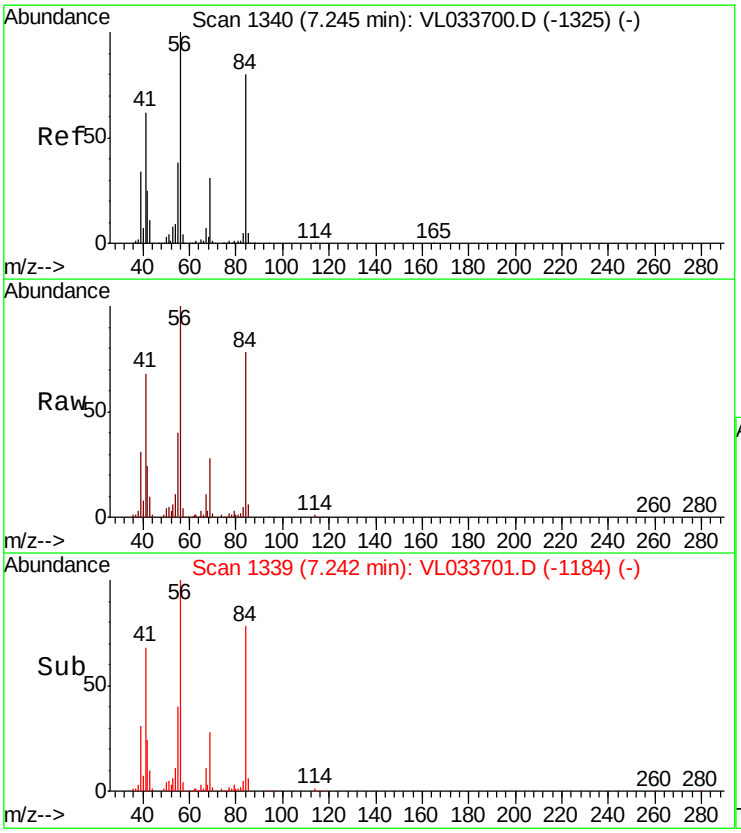
#29
Chloroform
Concen: 2.060 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 443356

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.5	77.3

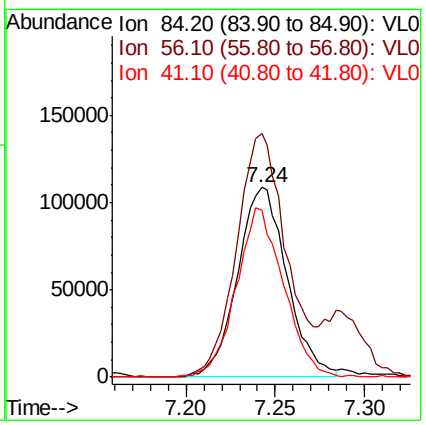


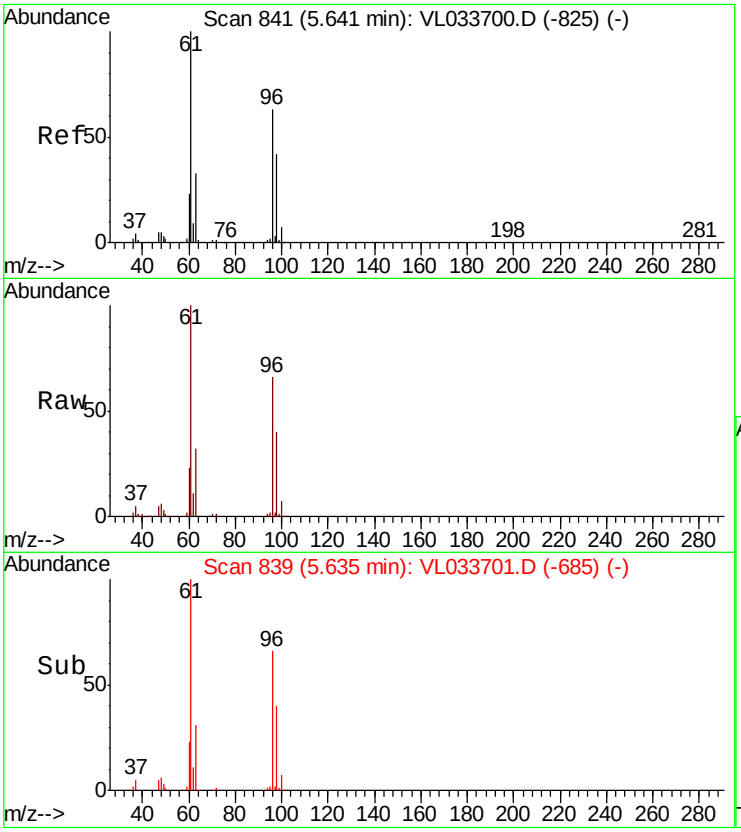


#30
Cyclohexane
Concen: 2.106 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 84 Resp: 210892

Ion	Ratio	Lower	Upper
84	100		
56	158.8	107.7	161.5
41	85.4	66.0	99.0



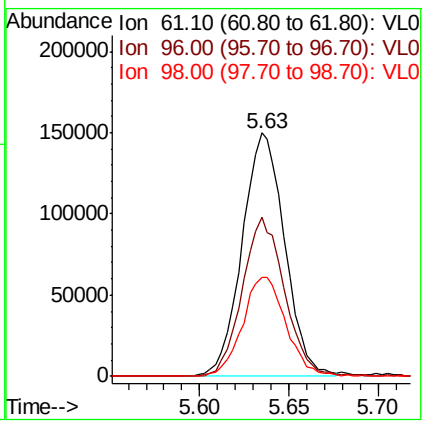


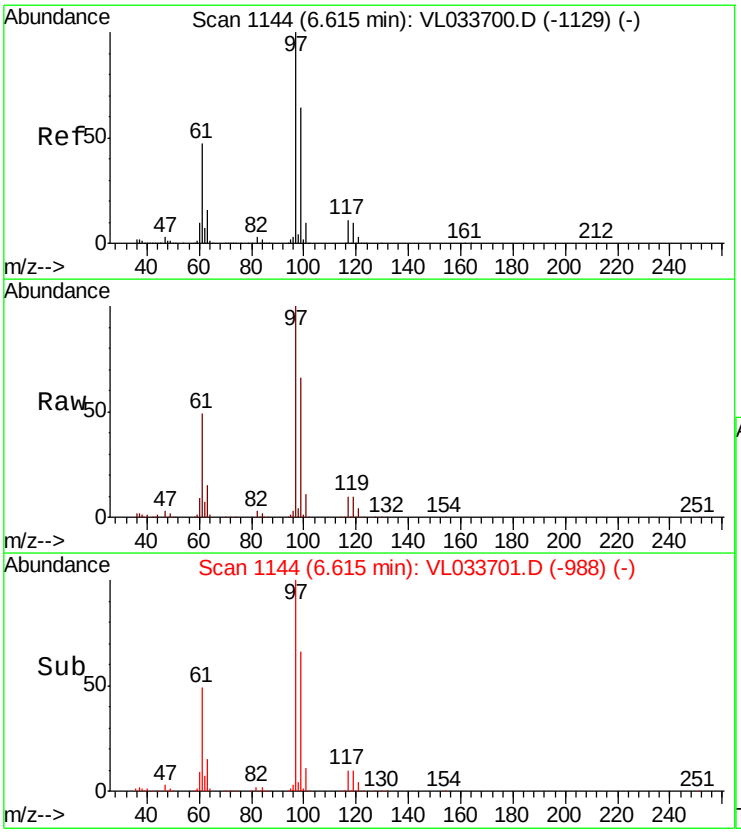
#31
cis-1,2-Dichloroethene
Concen: 2.120 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 249945

Ion	Ratio	Lower	Upper
61	100		
96	65.6	50.8	76.2
98	40.4	33.3	49.9

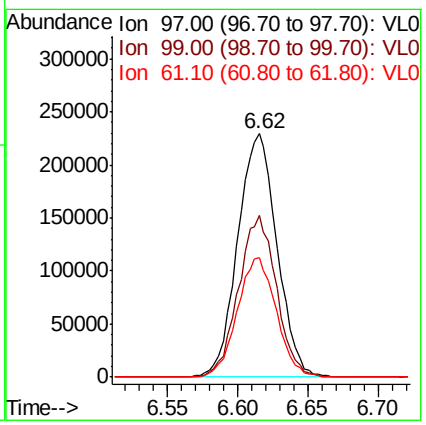


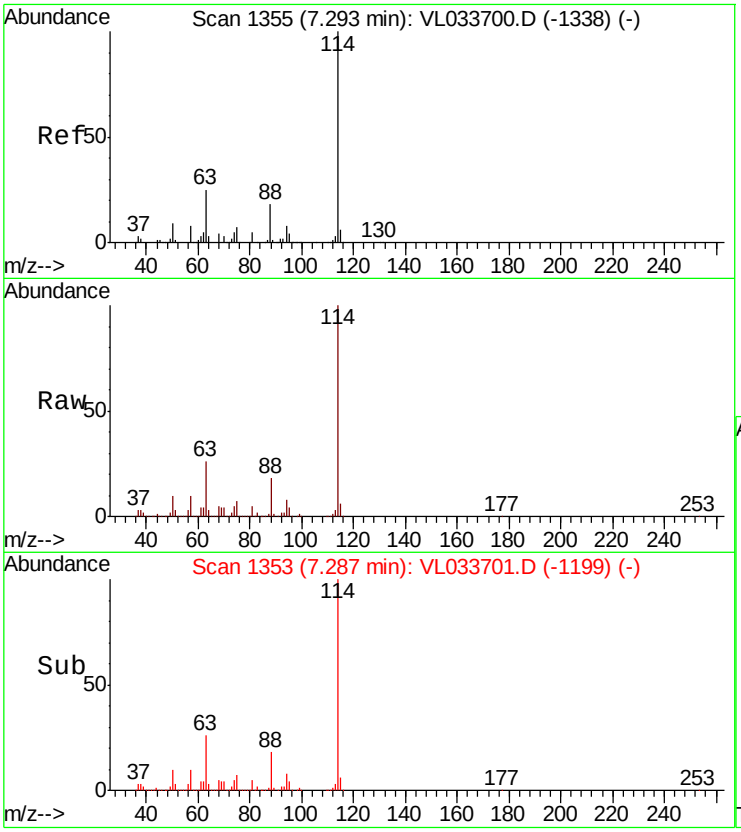


#32
1,1,1-Trichloroethane
Concen: 2.019 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 97 Resp: 447093

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.8	37.8	56.8



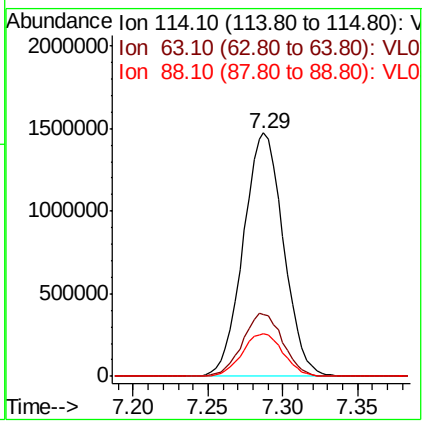


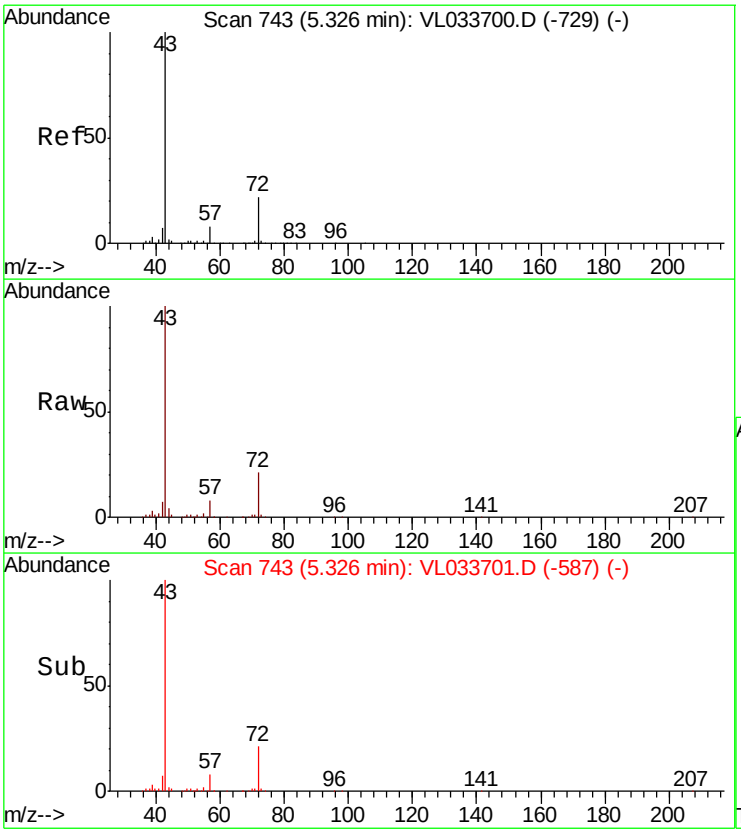
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 2757053

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.9	31.3
88	17.8	14.3	21.5

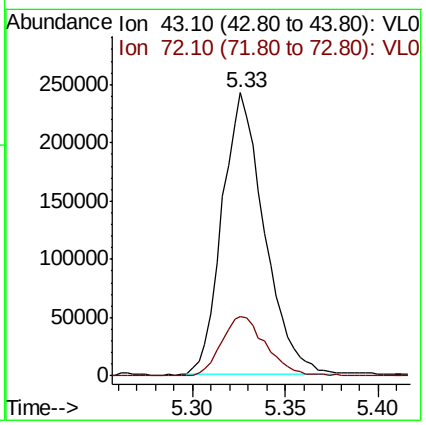


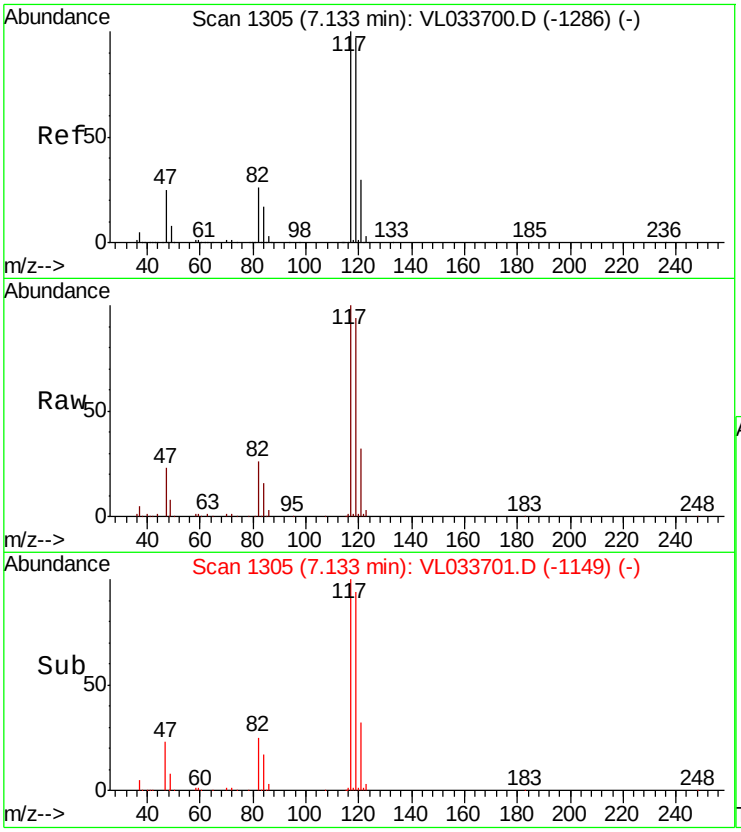


#34
2-Butanone
Concen: 2.161 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 43 Resp: 382249

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.6



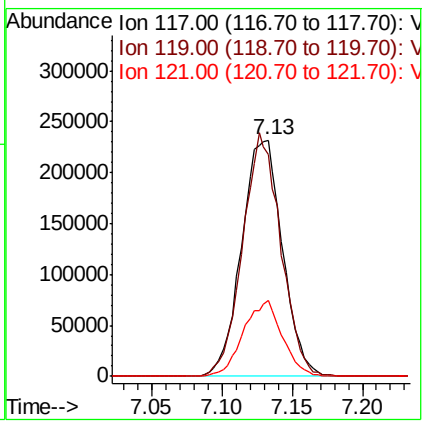


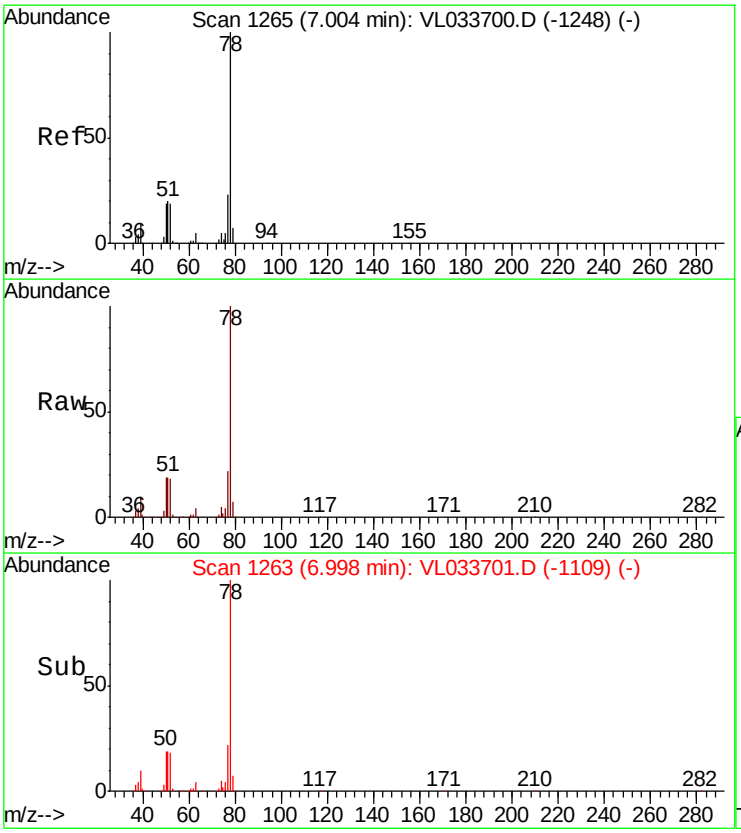
#35
Carbon Tetrachloride
Concen: 2.079 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 471667

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.2	115.8
121	32.1	24.1	36.1

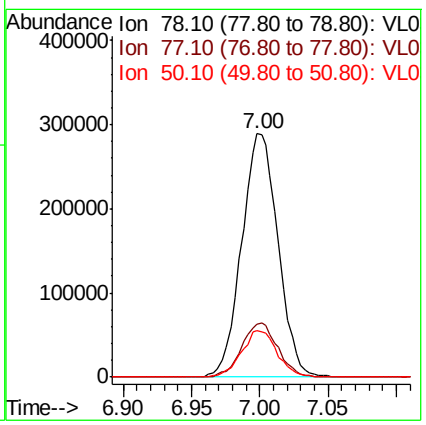


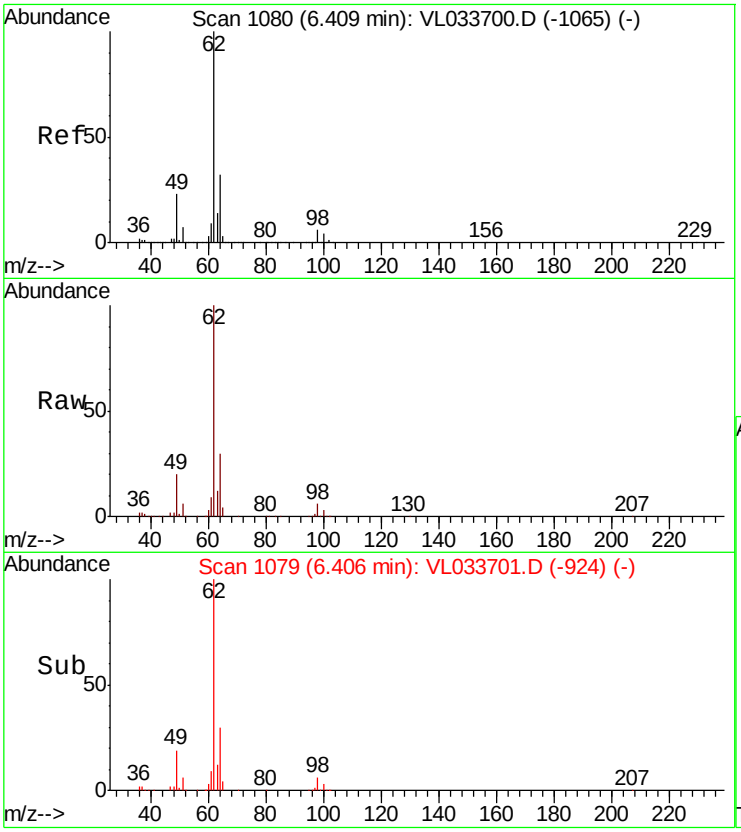


#36
Benzene
Concen: 2.147 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 78 Resp: 534913

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.4	27.6
50	19.1	15.5	23.3



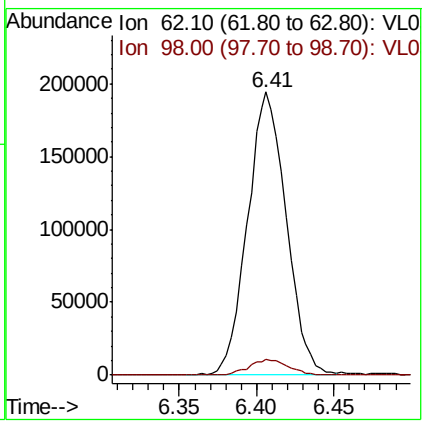


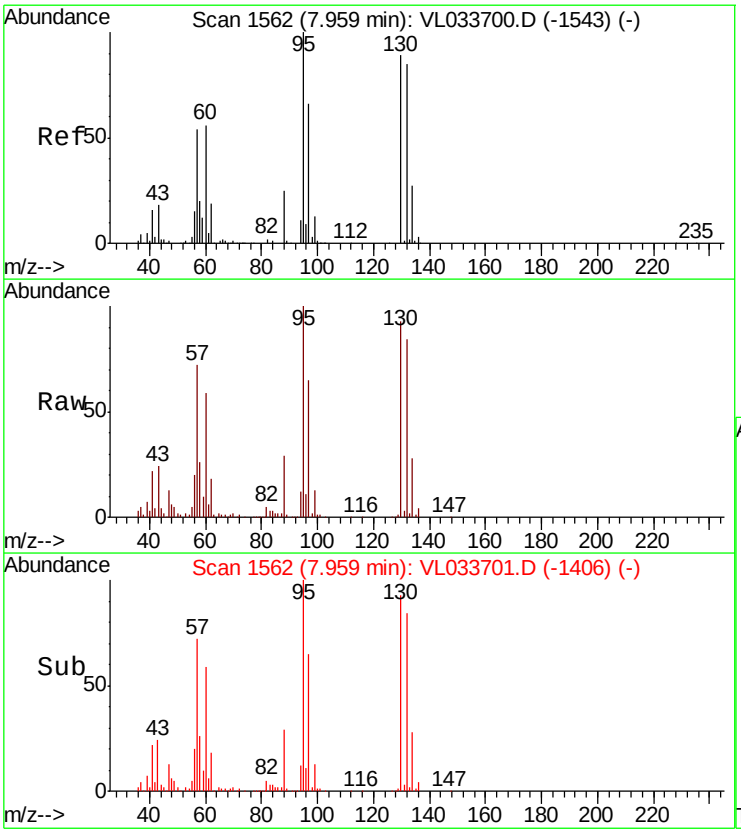
#37
1,2-Dichloroethane
Concen: 1.952 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 338946

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

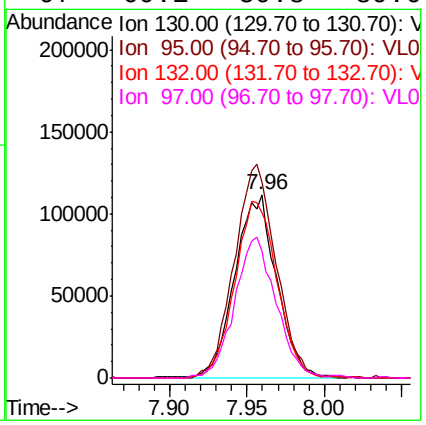


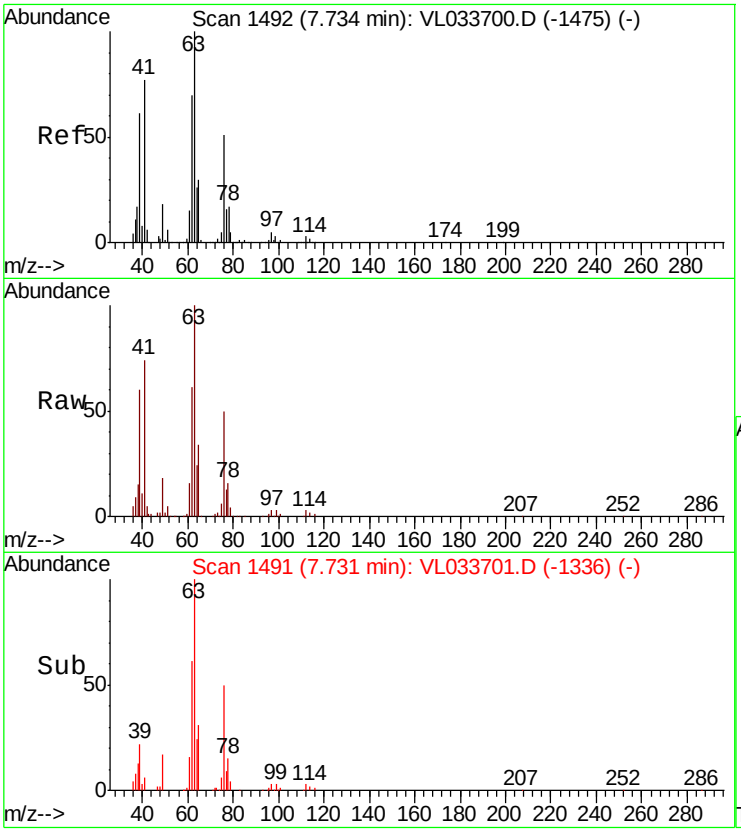


#38
Trichloroethene
Concen: 2.307 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:130 Resp: 209702

Ion	Ratio	Lower	Upper
130	100		
95	106.8	90.2	135.4
132	89.5	76.4	114.6
97	69.1	59.8	89.6



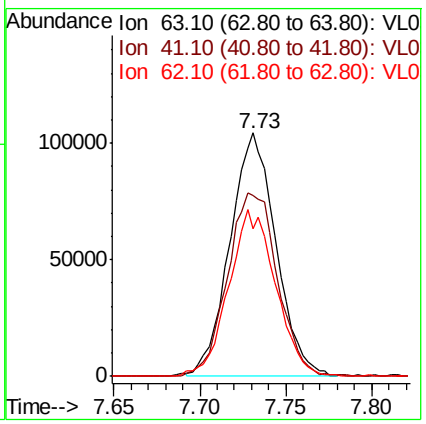


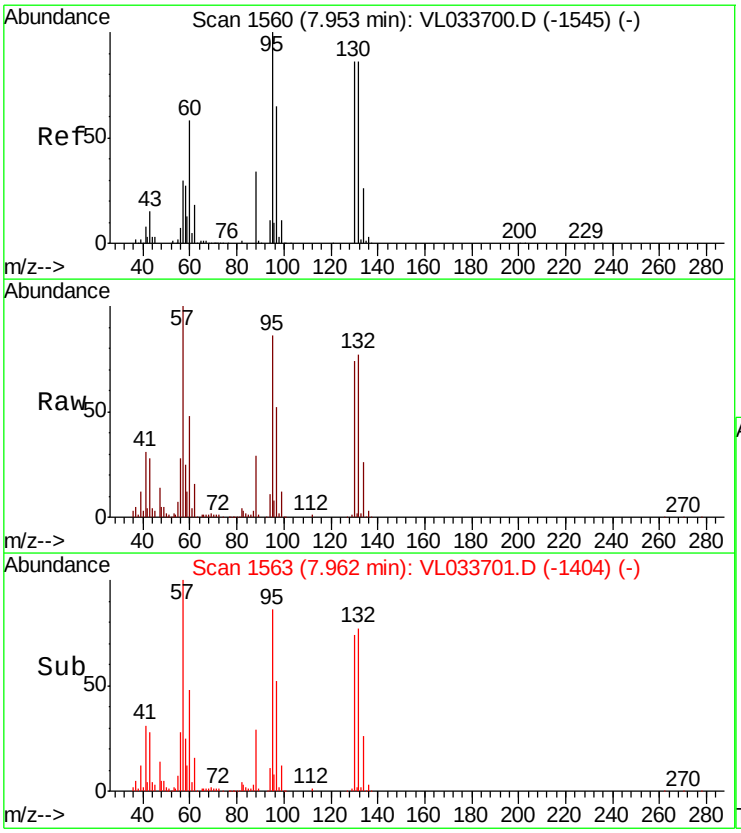
#39
1,2-Dichloropropane
Concen: 2.073 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 192522

Ion	Ratio	Lower	Upper
63	100		
41	74.0	61.5	92.3
62	60.6	56.2	84.4

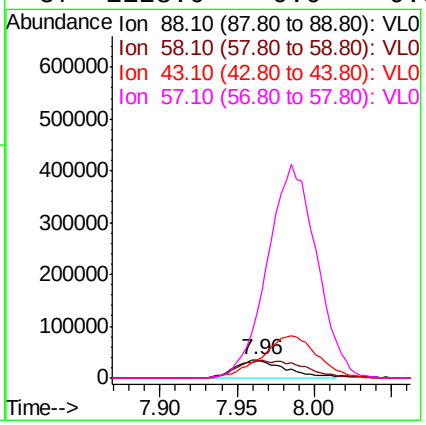


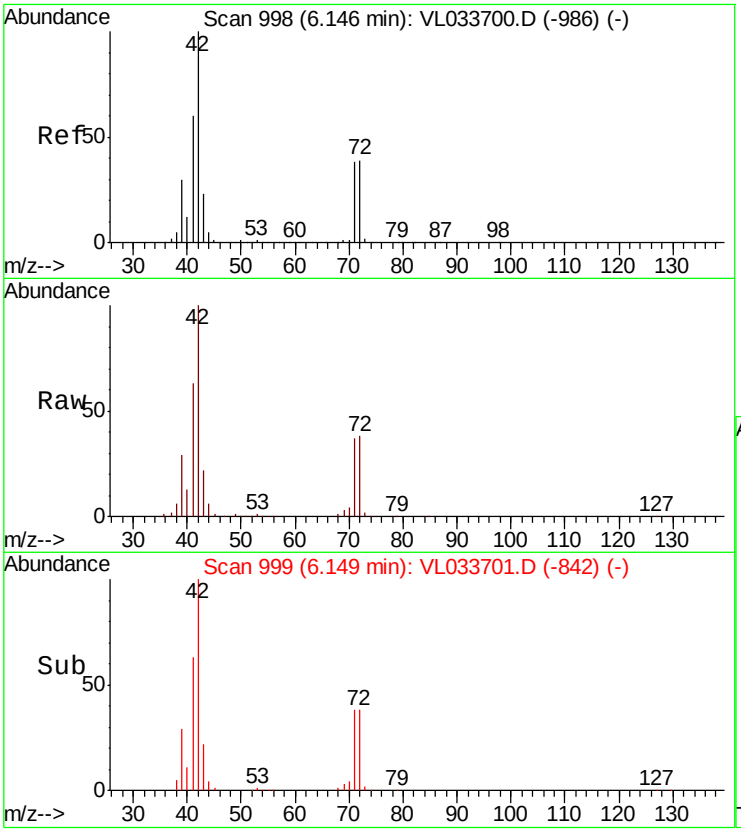


#40
1,4-Dioxane
Concen: 2.164 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 88 Resp: 81317

Ion	Ratio	Lower	Upper
88	100		
58	128.8	101.8	152.6
43	252.7	0.0	0.0#
57	1128.0	0.0	0.0#



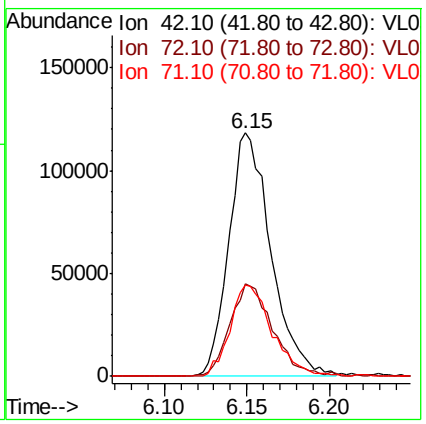


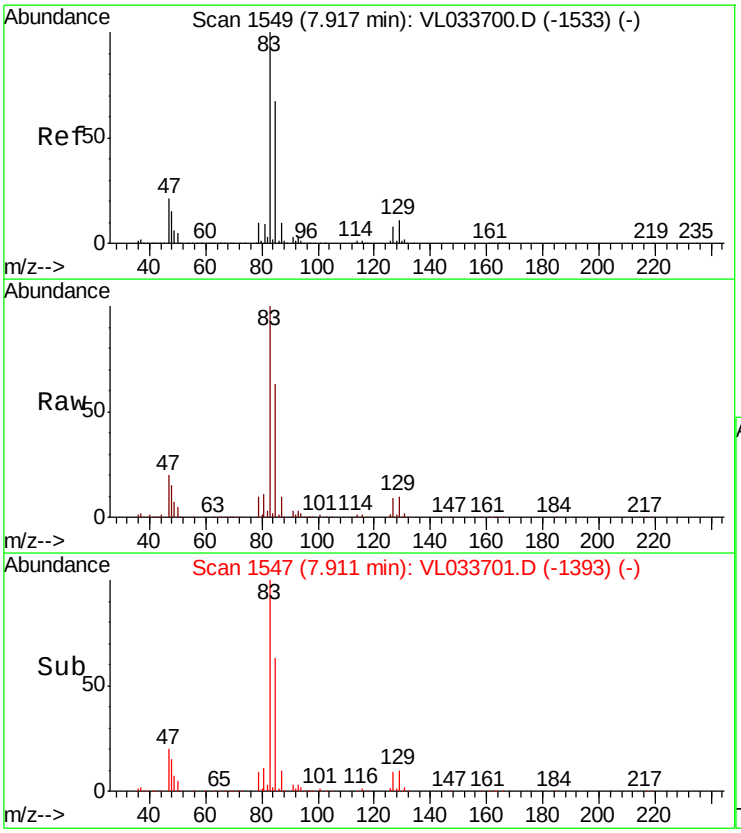
#41
Tetrahydrofuran
Concen: 2.265 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 209753

Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.0	48.0
71	37.5	30.4	45.6

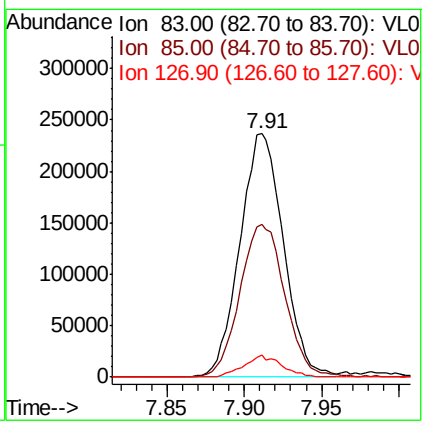


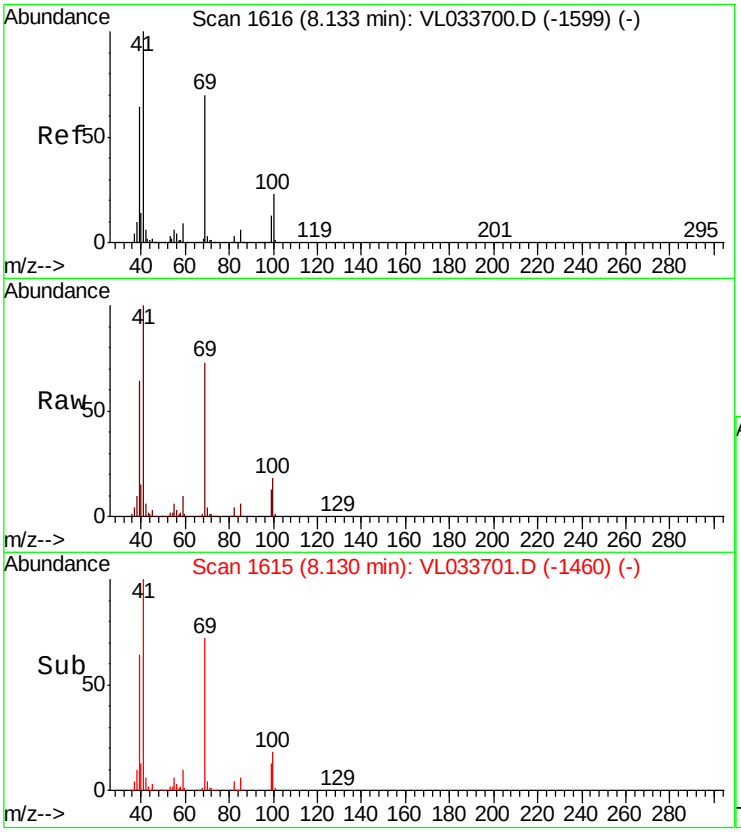


#42
Bromodichloromethane
Concen: 2.073 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 83 Resp: 462694

Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.3	79.9
127	8.9	6.5	9.7



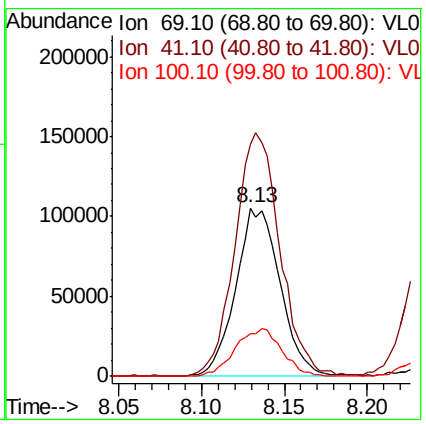


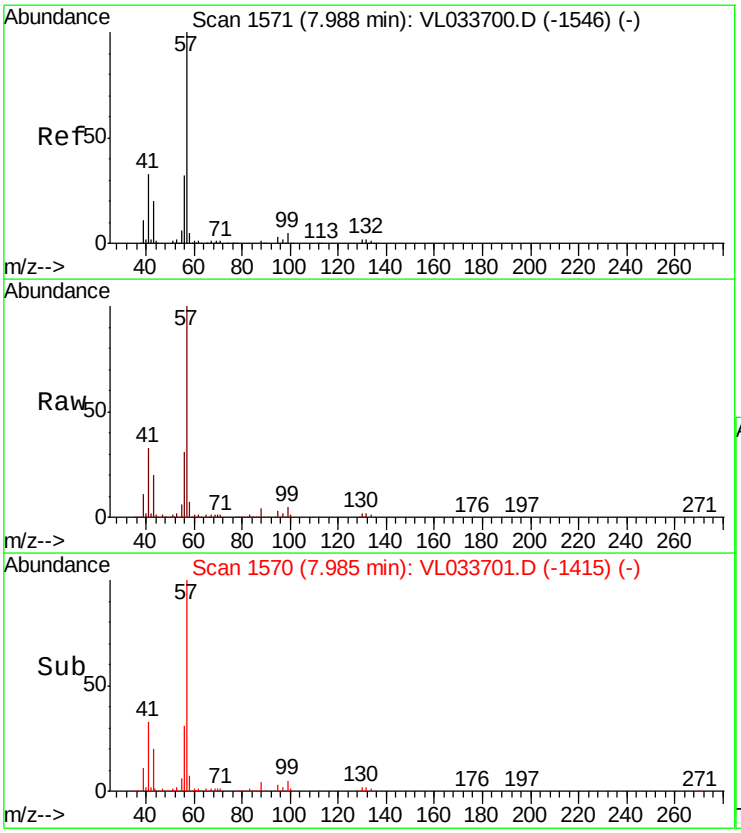
#43
Methyl Methacrylate
Concen: 2.103 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 196622

Ion	Ratio	Lower	Upper
69	100		
41	146.3	116.3	174.5
100	30.0	25.3	37.9

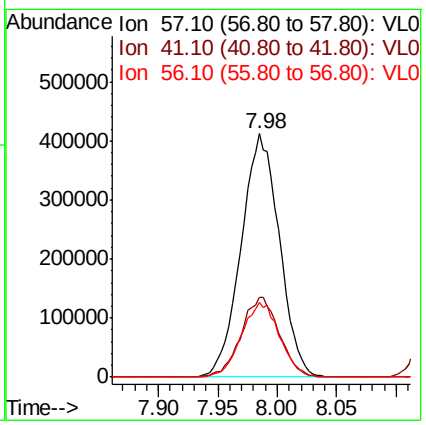


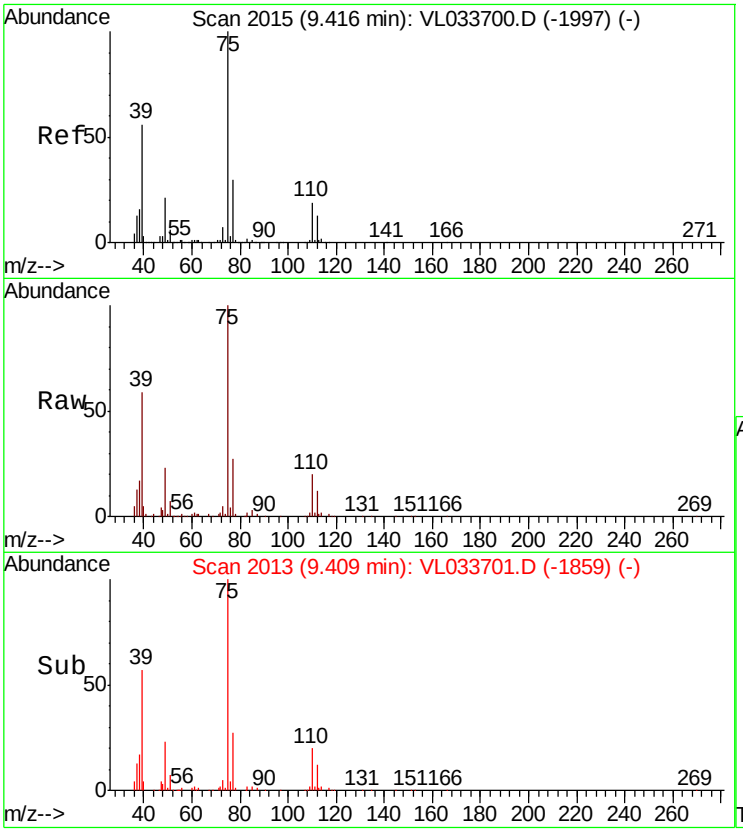


#44
2,2,4-Trimethylpentane
Concen: 2.151 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 57 Resp: 915005

Ion	Ratio	Lower	Upper
57	100		
41	32.9	25.4	38.0
56	30.7	24.7	37.1



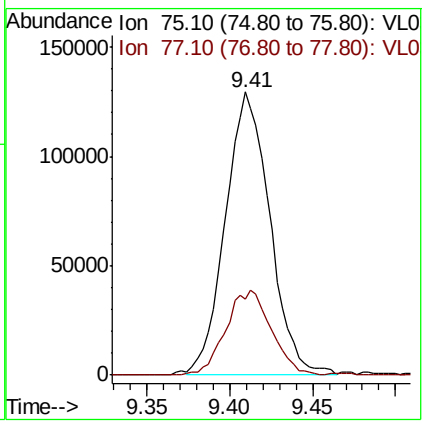


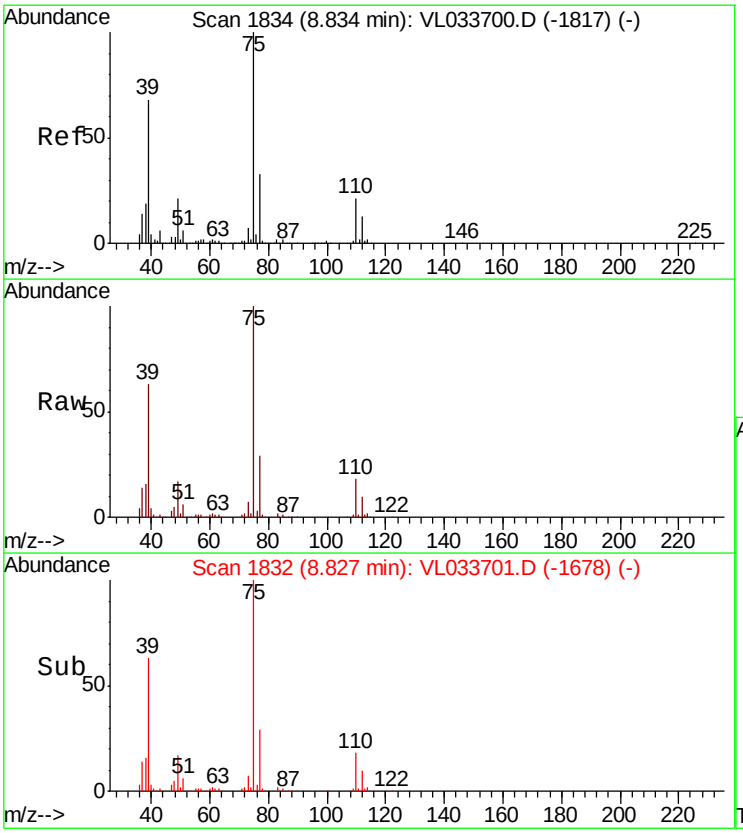
#45
t-1,3-Dichloropropene
Concen: 2.090 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 241386

Ion	Ratio	Lower	Upper
75	100		
77	26.9	24.4	36.6

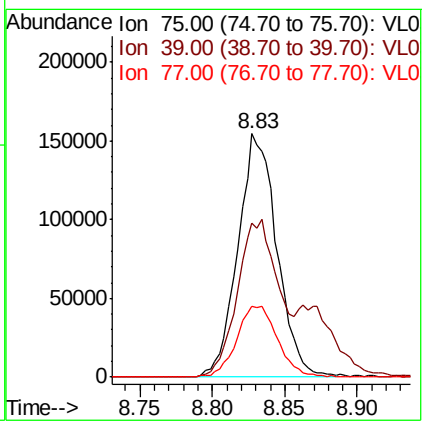


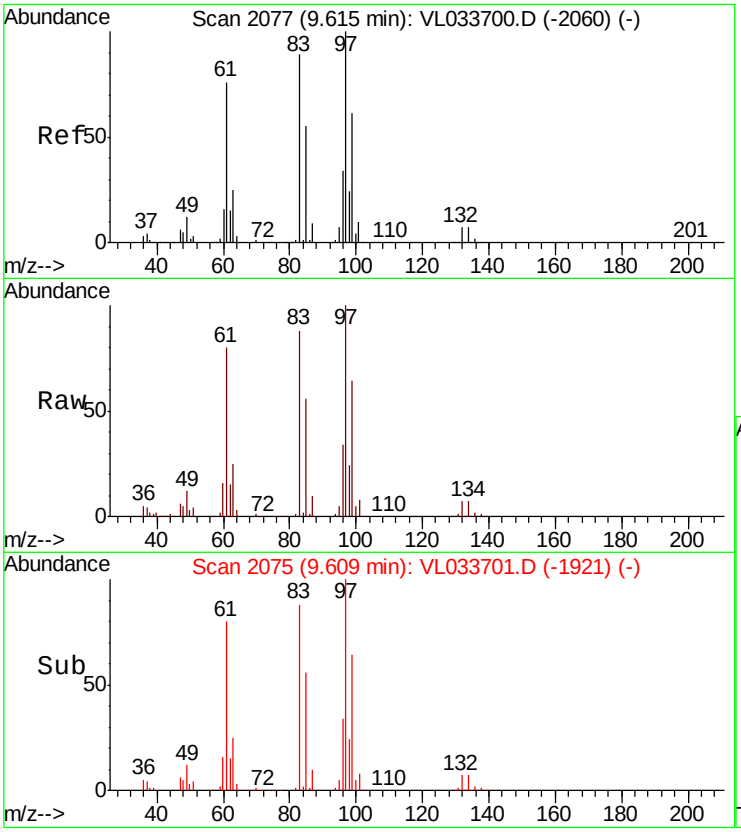


#46
cis-1,3-Dichloropropene
Concen: 2.014 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 75 Resp: 289161

Ion	Ratio	Lower	Upper
75	100		
39	62.9	54.4	81.6
77	28.9	26.6	39.8



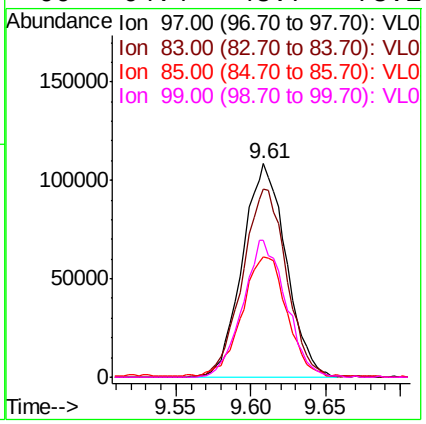


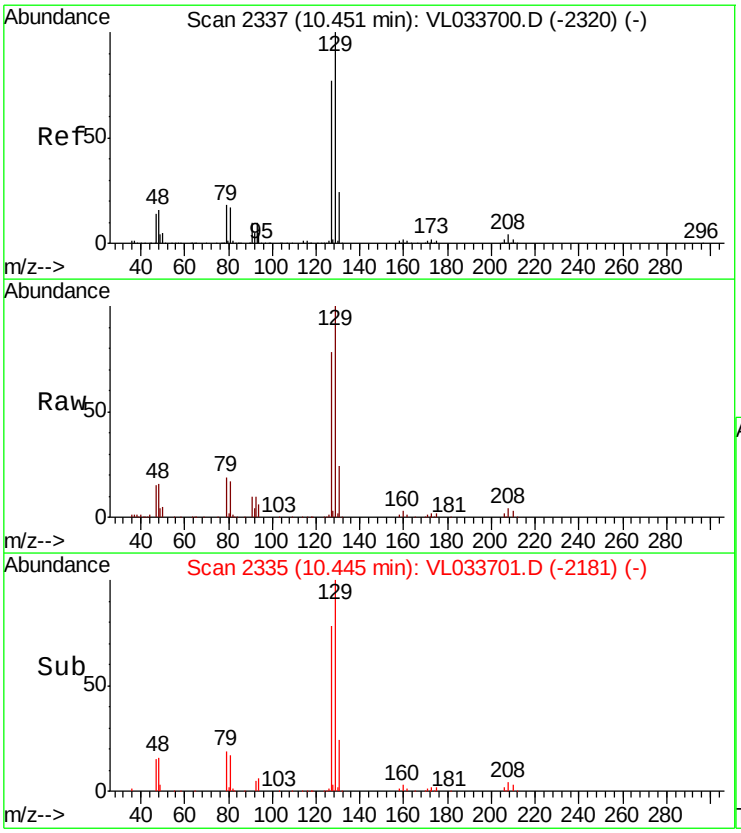
#47
1,1,2-Trichloroethane
Concen: 2.065 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 220239

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	55.4	43.7	65.5
99	64.4	48.7	73.1

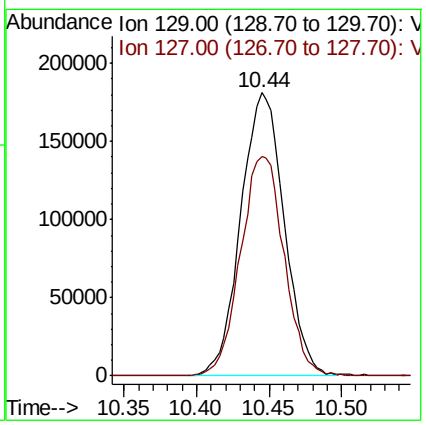


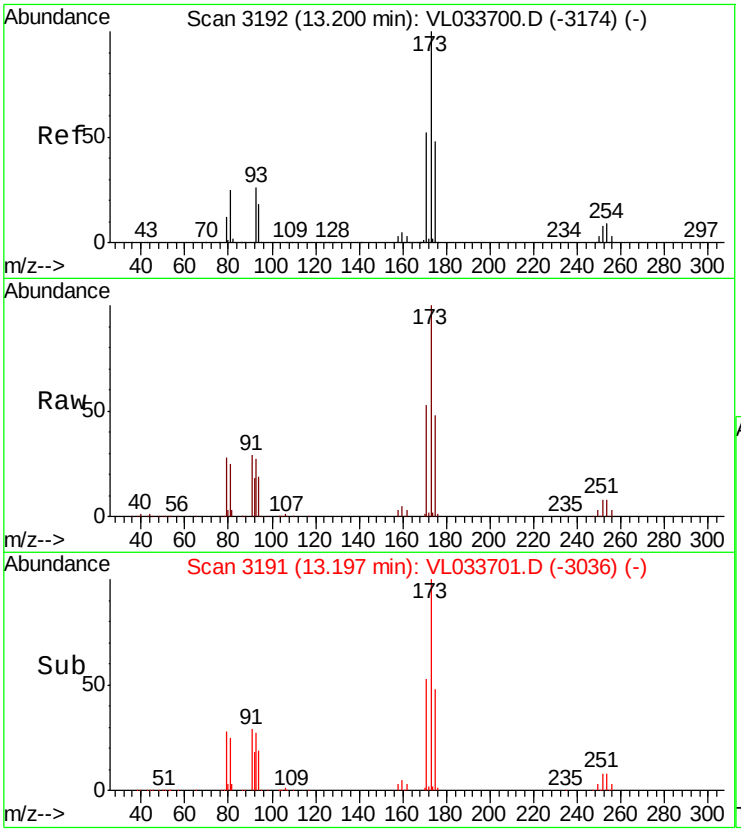


#48
Dibromochloromethane
Concen: 2.079 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:129 Resp: 376657

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	116.0



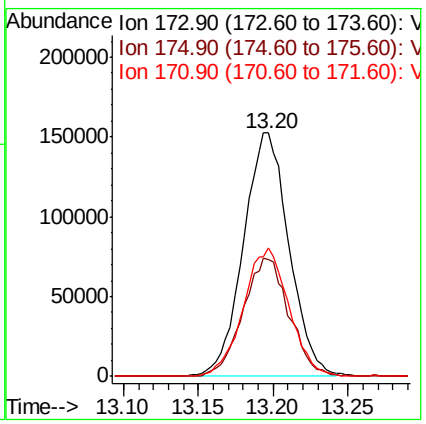


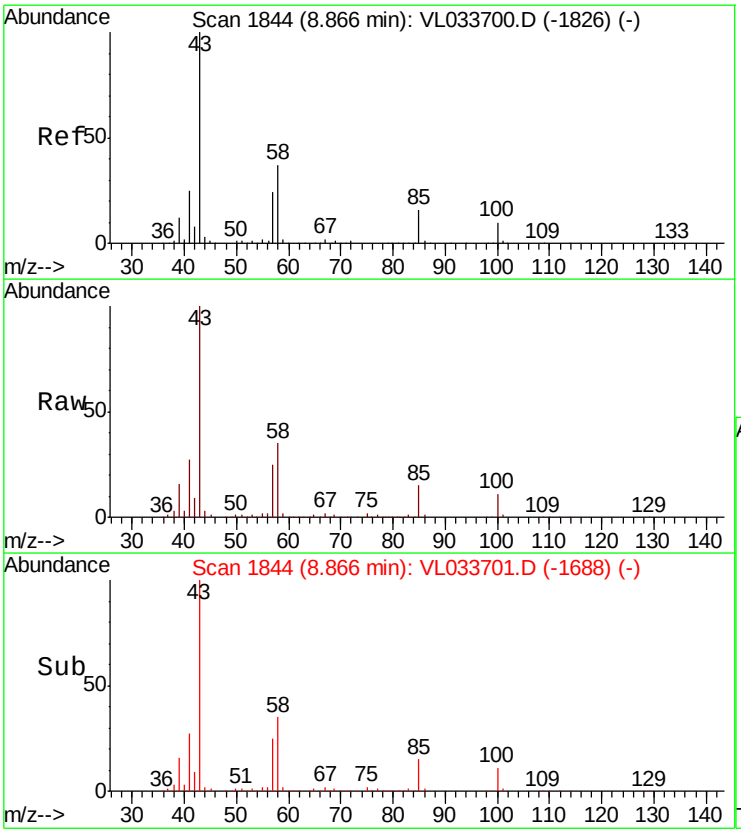
#49
Bromoform
Concen: 2.083 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 322846

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
171	52.6	41.5	62.3

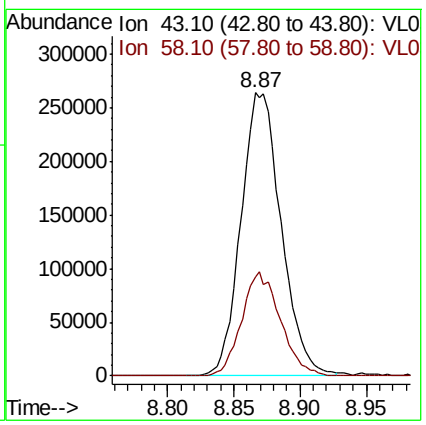


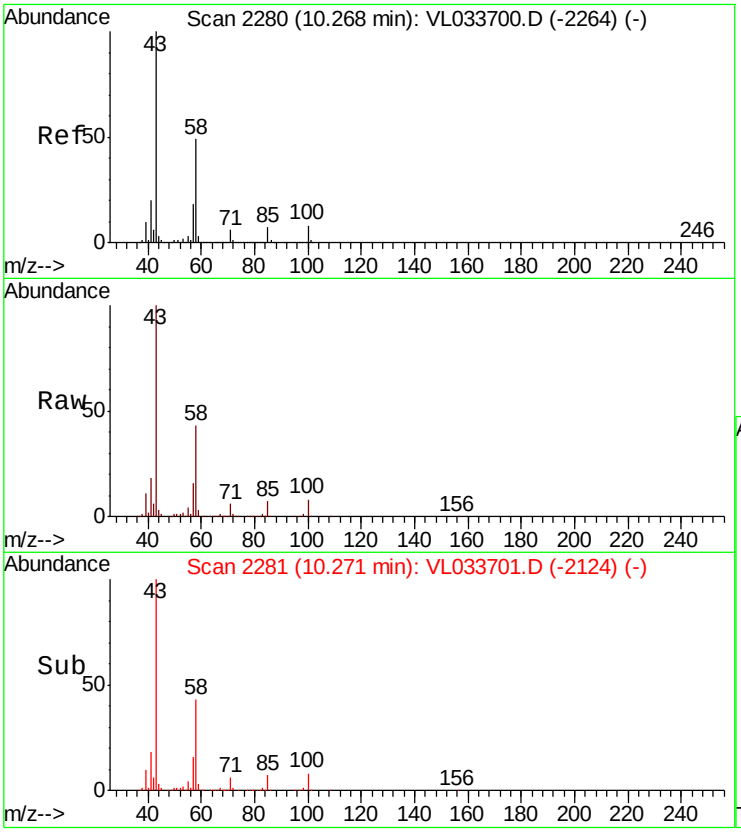


#50
4-Methyl-2-Pentanone
Concen: 2.078 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 43 Resp: 557454

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	43.0



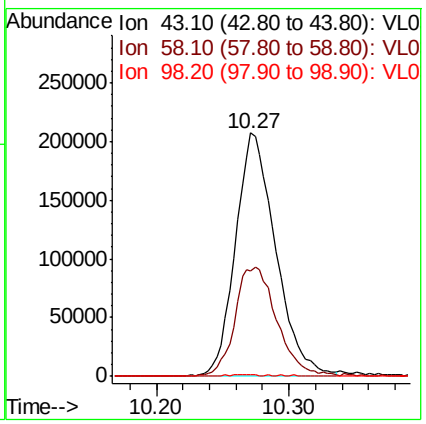


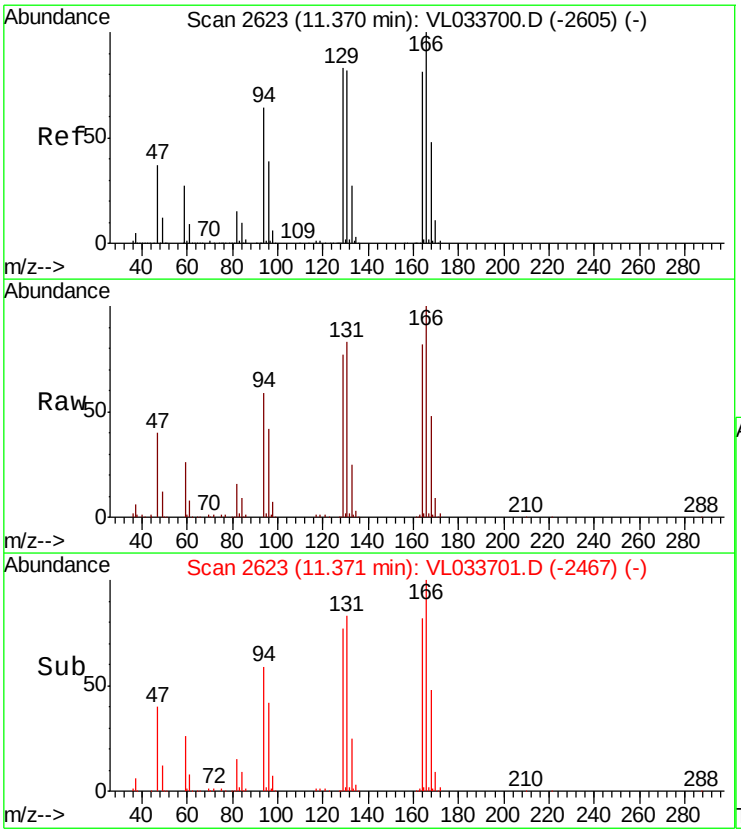
#51
2-Hexanone
Concen: 2.093 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 437135

Ion	Ratio	Lower	Upper
43	100		
58	46.9	38.7	58.1
98	0.7	0.2	0.4#

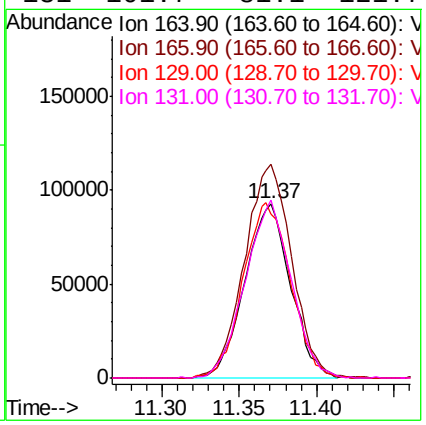


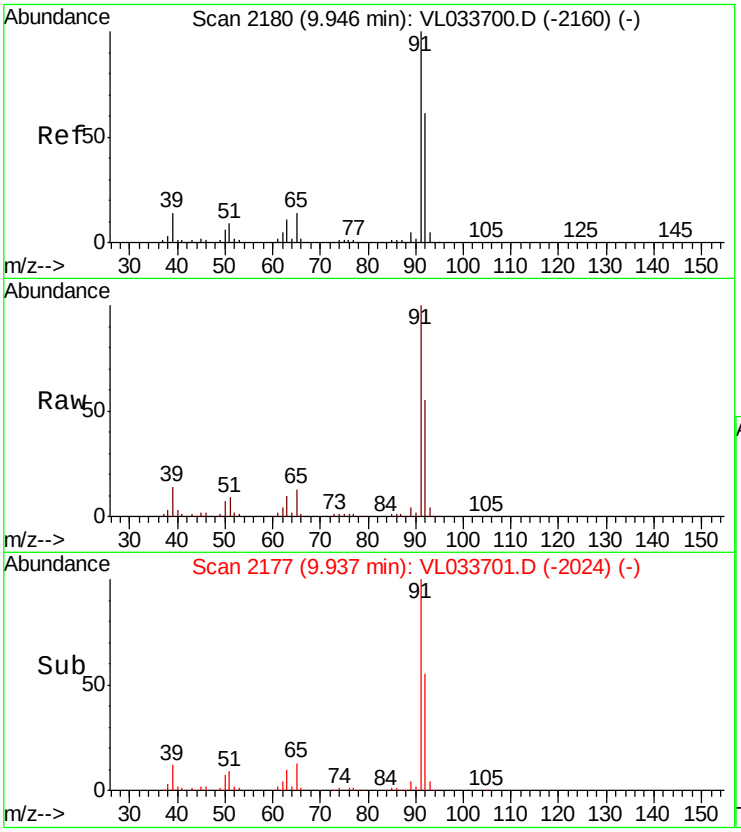


#52
Tetrachloroethene
Concen: 2.157 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:164 Resp: 190569

Ion	Ratio	Lower	Upper
164	100		
166	122.0	98.9	148.3
129	93.7	81.8	122.6
131	101.7	81.1	121.7



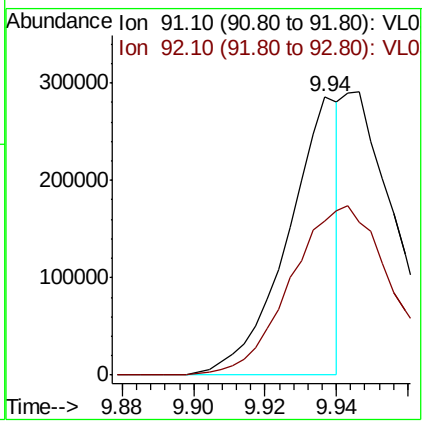


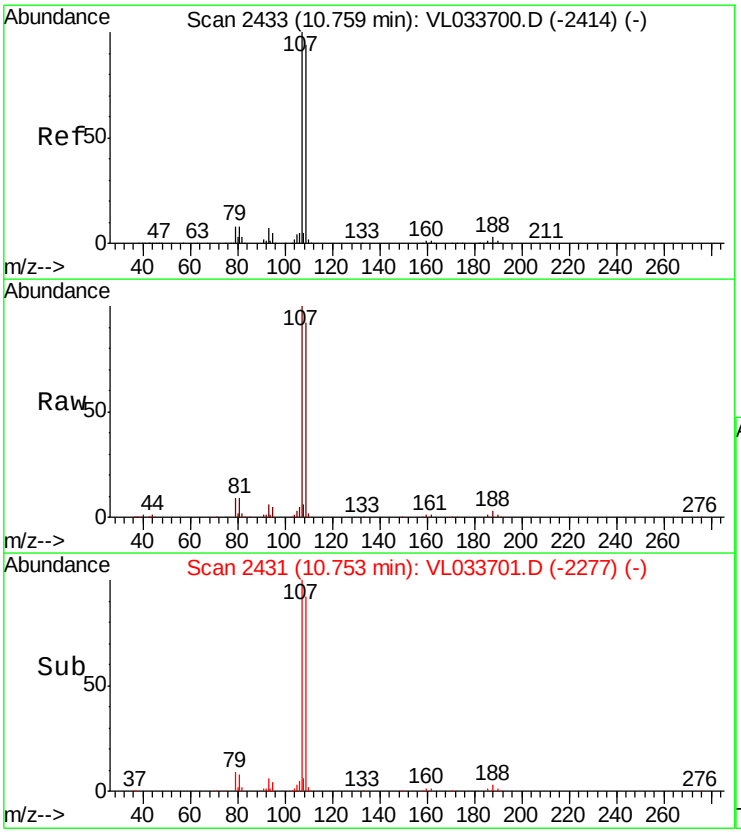
#53
Toluene
Concen: 1.057 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 285445

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.6	71.4#

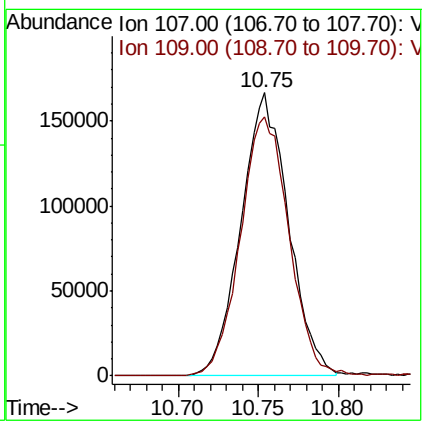


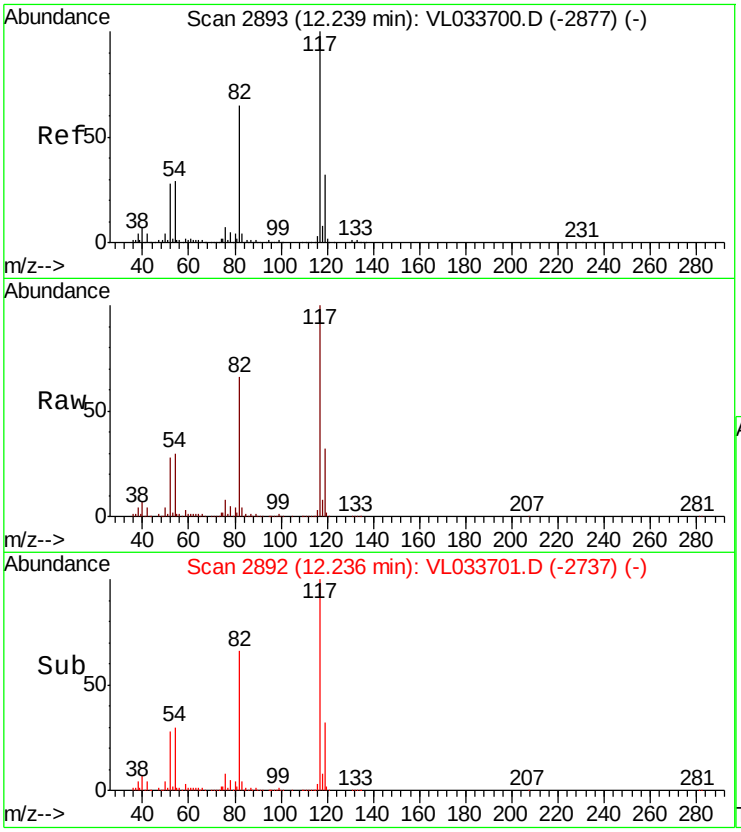


#54
1,2-Dibromoethane
Concen: 2.101 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:107 Resp: 338323

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.2	112.8



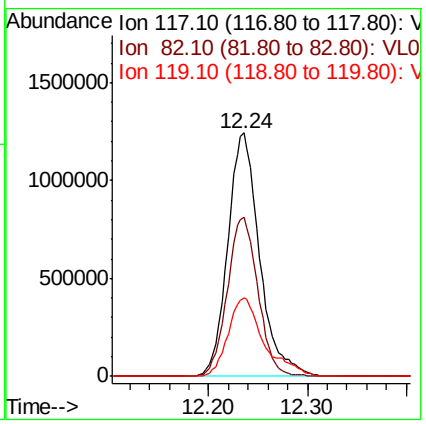


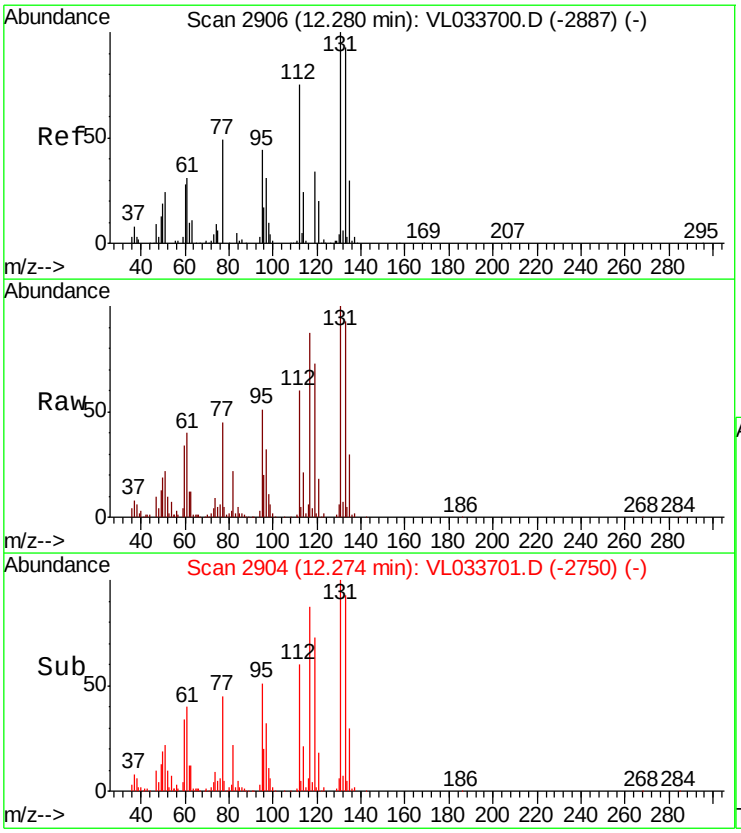
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 2794922

Ion	Ratio	Lower	Upper
117	100		
82	63.0	49.4	74.0
119	36.4	24.9	37.3

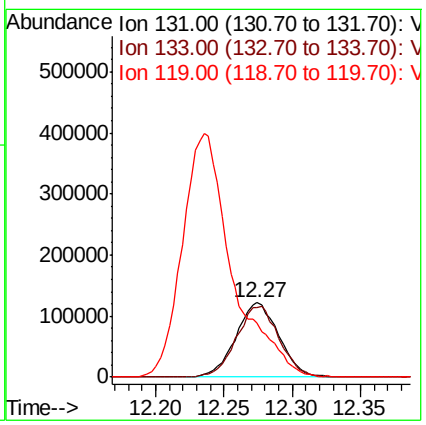


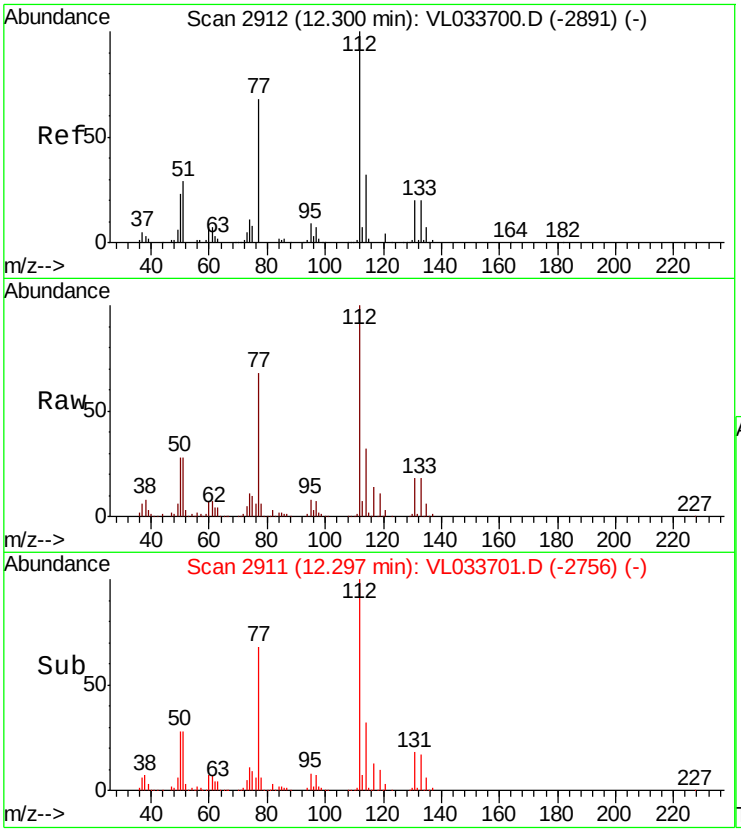


#56
1,1,1,2-Tetrachloroethane
Concen: 2.053 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:131 Resp: 266880

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.6	114.8
119	380.4	49.0	73.4#



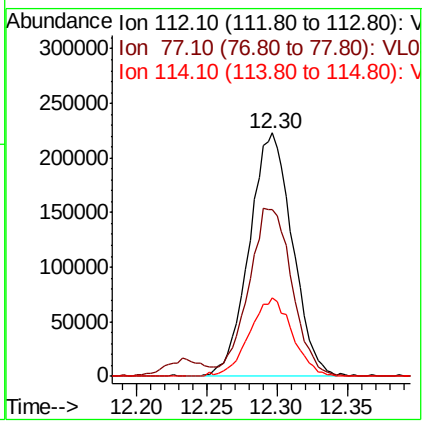


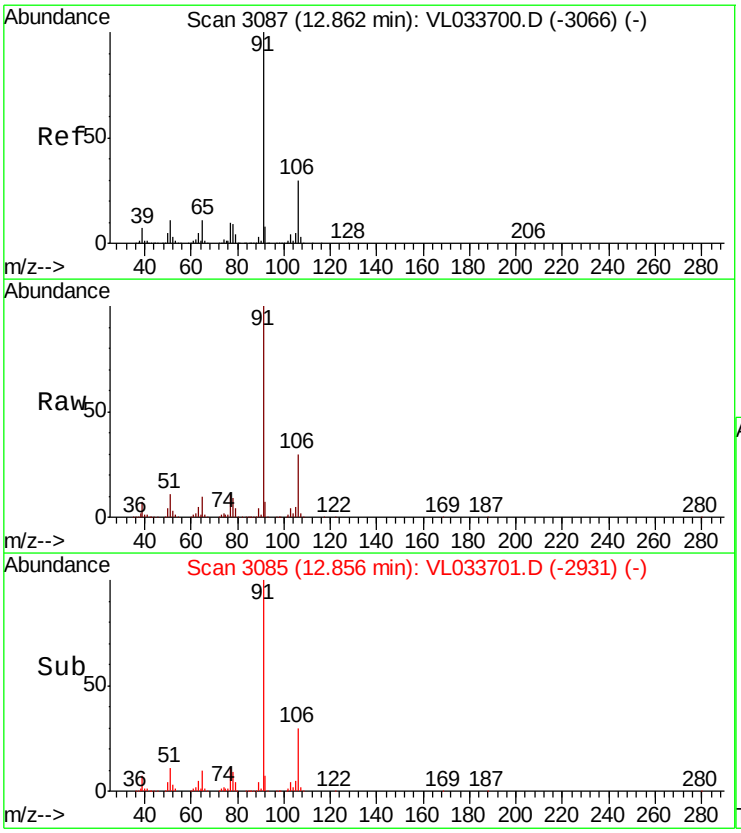
#57
Chlorobenzene
Concen: 2.047 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 474264

Ion	Ratio	Lower	Upper
112	100		
77	68.0	55.4	83.0
114	31.8	29.3	35.8

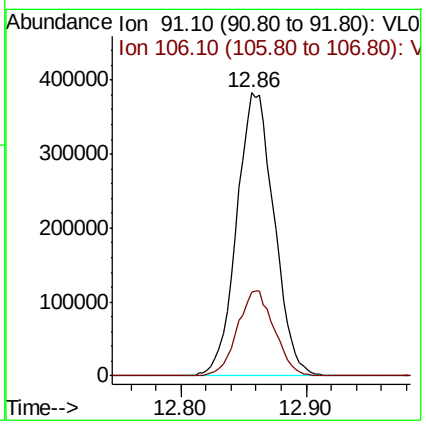


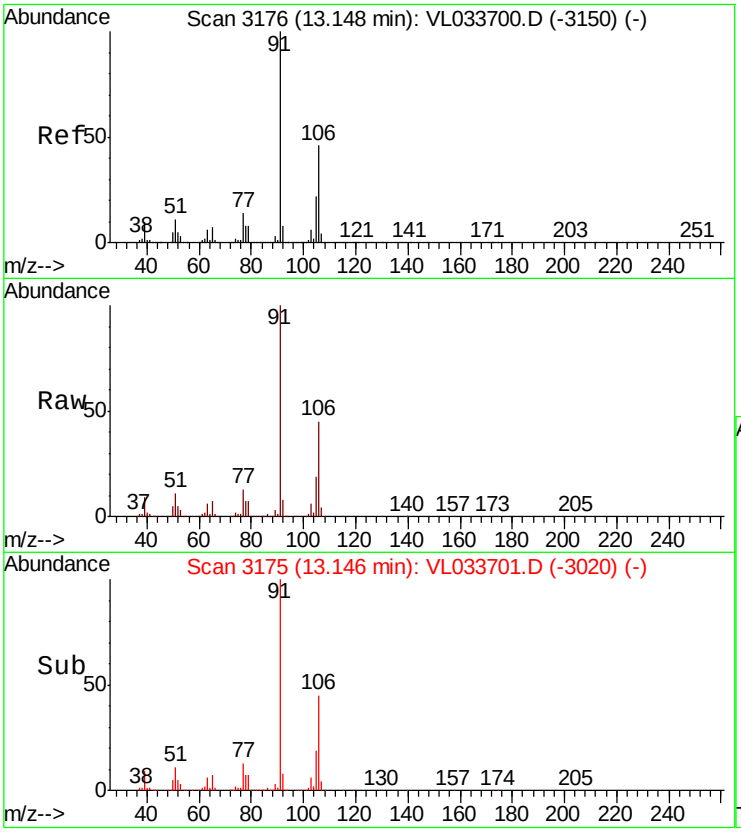


#58
Ethyl Benzene
Concen: 2.155 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 91 Resp: 793181

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.9	35.9



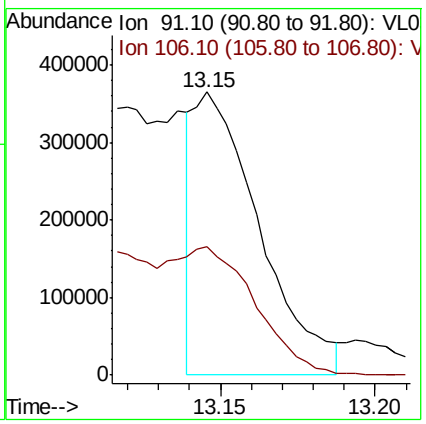


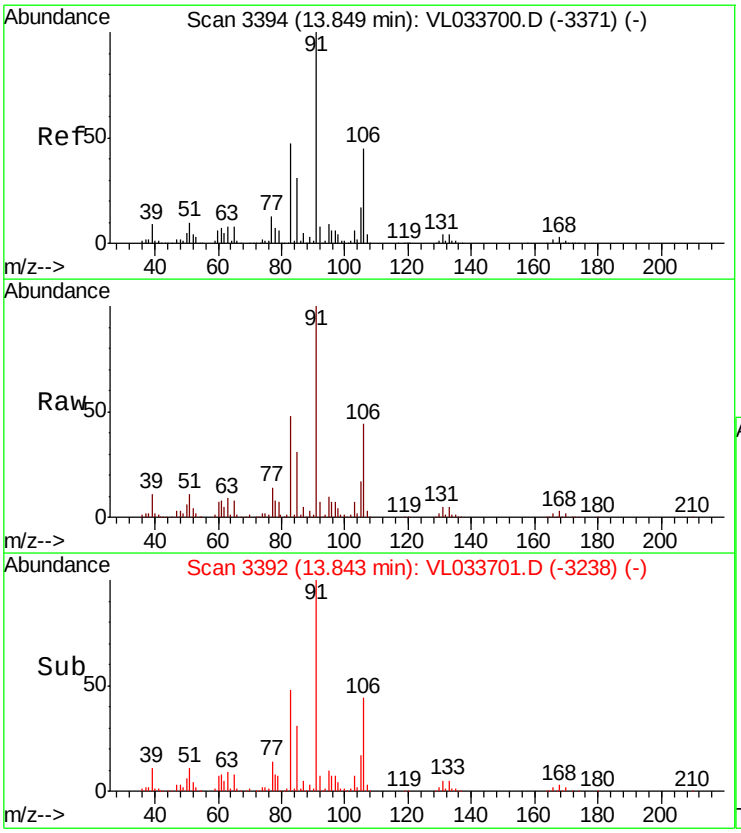
#59
m/p-Xylene
Concen: 1.639 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 531420

Ion	Ratio	Lower	Upper
91	100		
106	115.9	35.8	53.6#

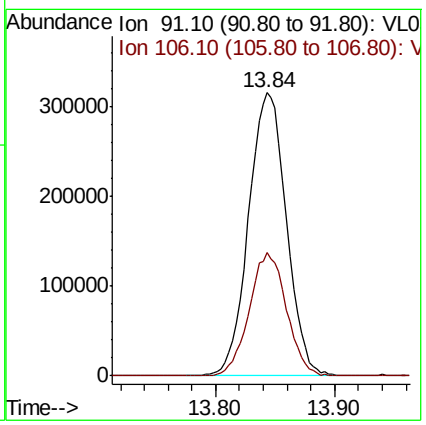


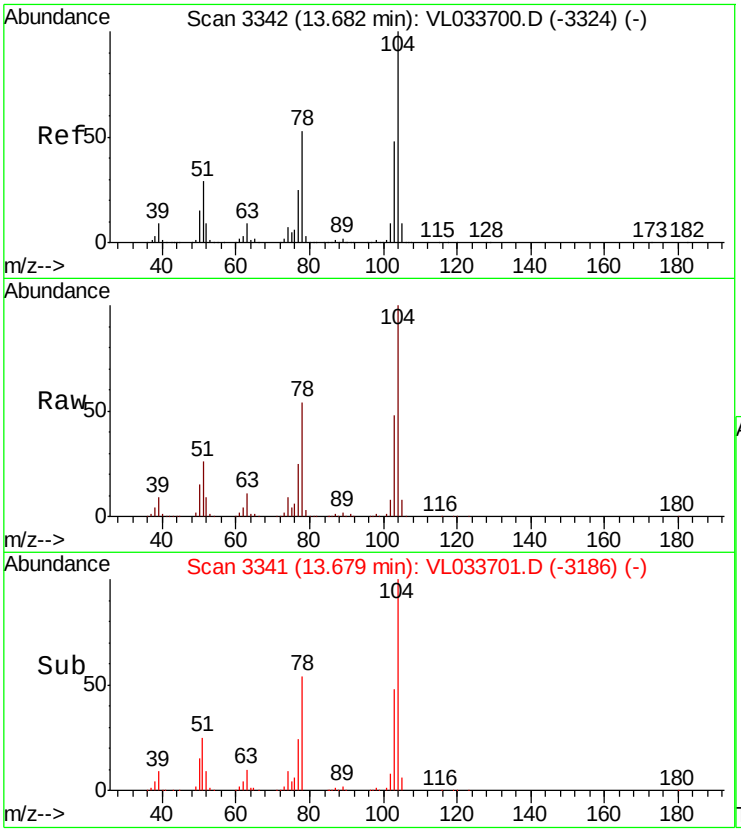


#60
o-Xylene
Concen: 2.122 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 91 Resp: 694555

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.6	64.8



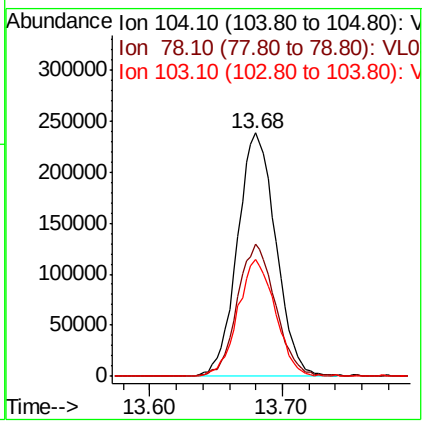


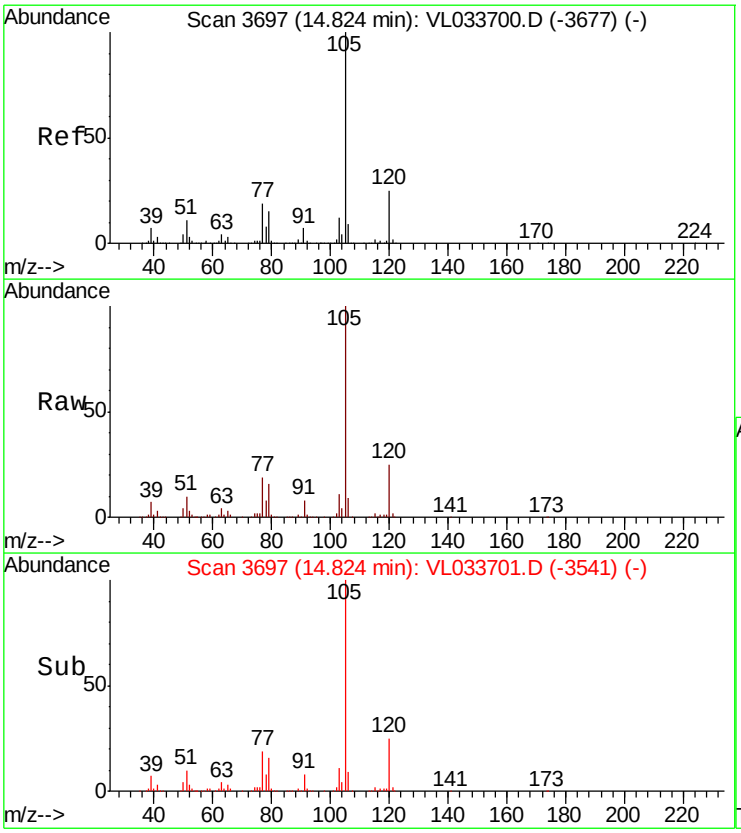
#61
Styrene
Concen: 2.198 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:104 Resp: 480361

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.6	64.0
103	47.0	37.8	56.6

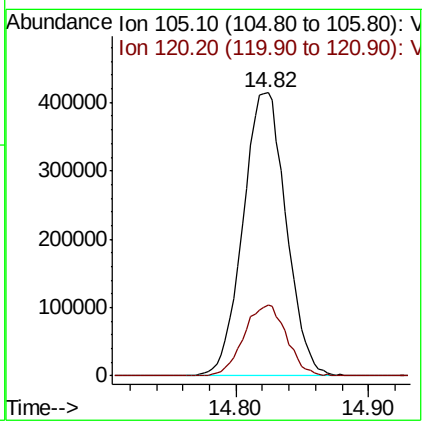


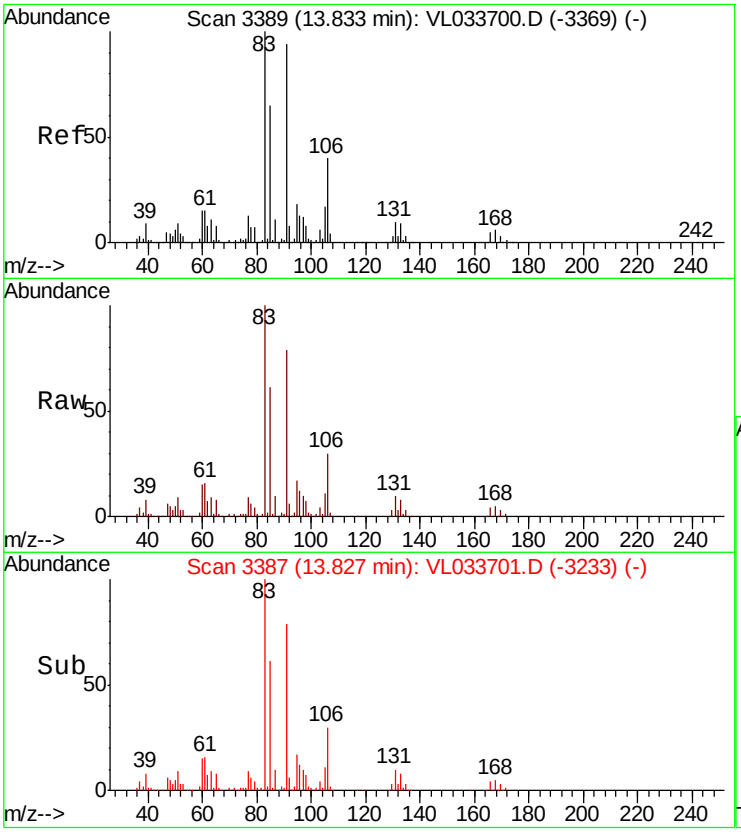


#62
Isopropylbenzene
Concen: 2.087 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:105 Resp: 934436

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.1	30.1



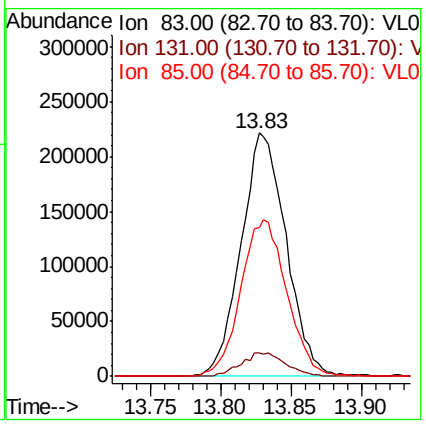


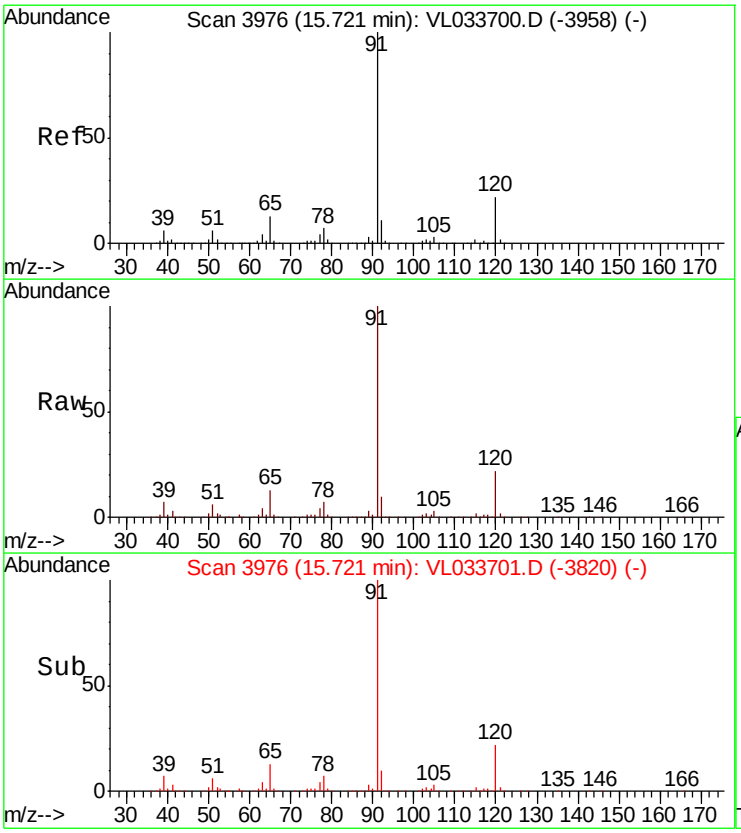
#63
1,1,2,2-Tetrachloroethane
Concen: 2.085 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 495187

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	66.1	32.3	96.9

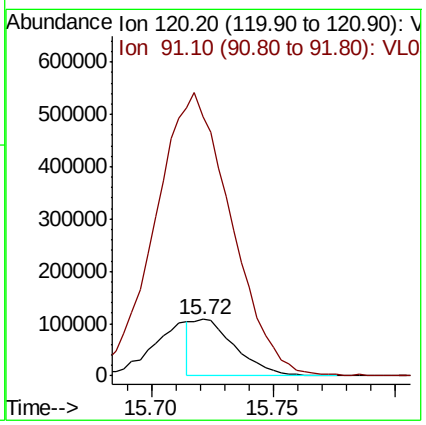


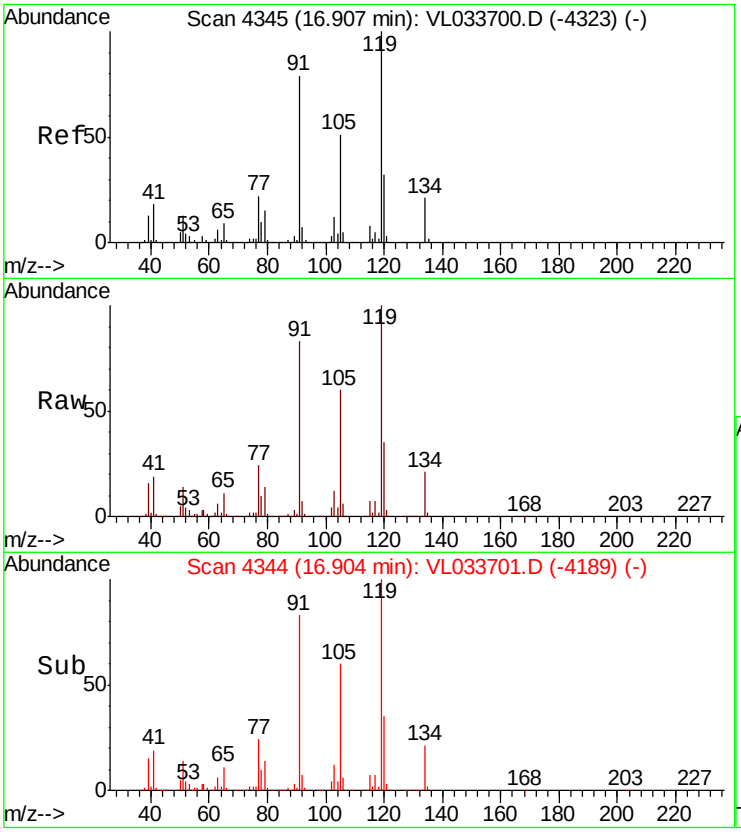


#64
n-propylbenzene
Concen: 1.130 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:120 Resp: 130546

Ion	Ratio	Lower	Upper
120	100		
91	905.8	379.1	568.7#



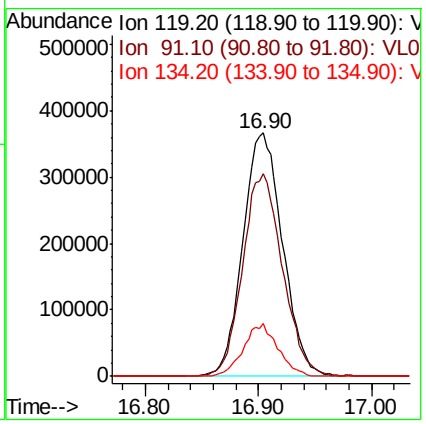


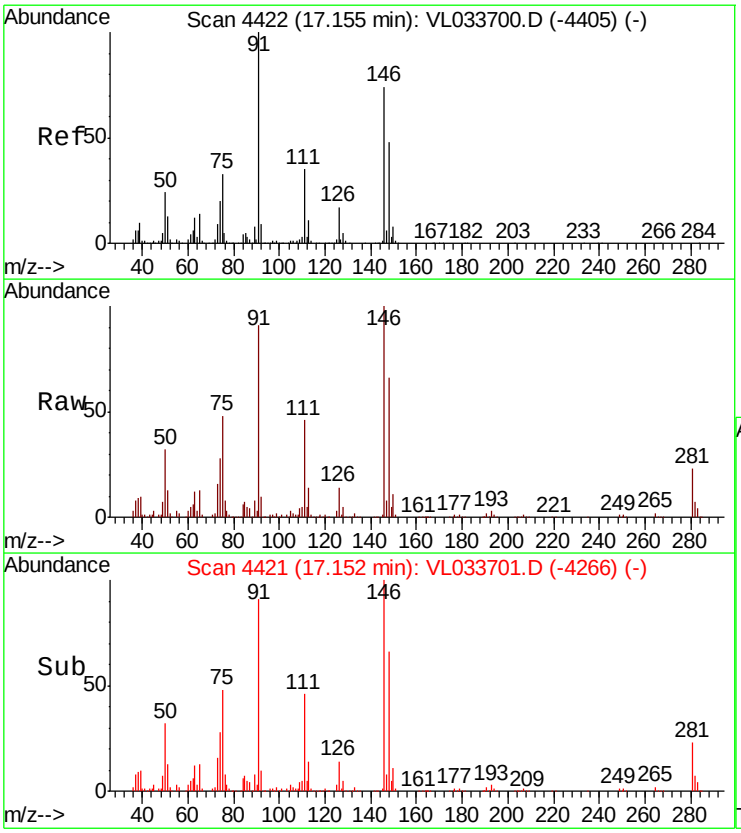
#65
tert-Butylbenzene
Concen: 2.175 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 893237

Ion	Ratio	Lower	Upper
119	100		
91	84.0	65.3	97.9
134	18.8	15.7	23.5

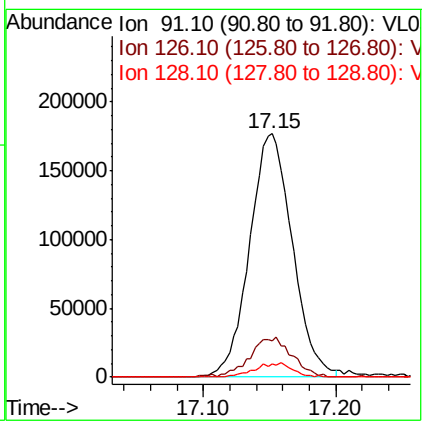


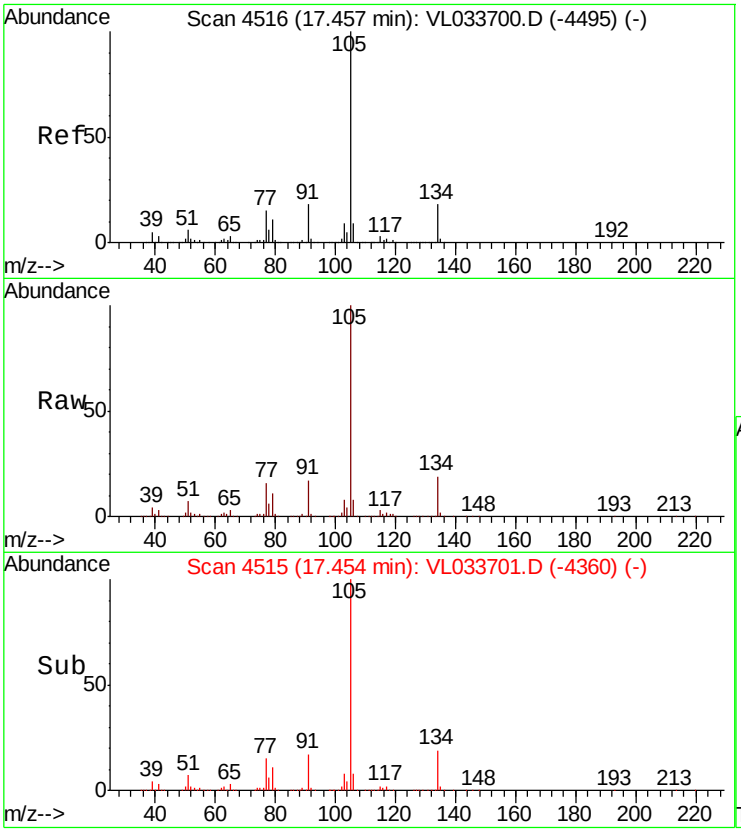


#66
Benzyl Chloride
Concen: 2.109 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 91 Resp: 396458

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.3	4.3	6.5



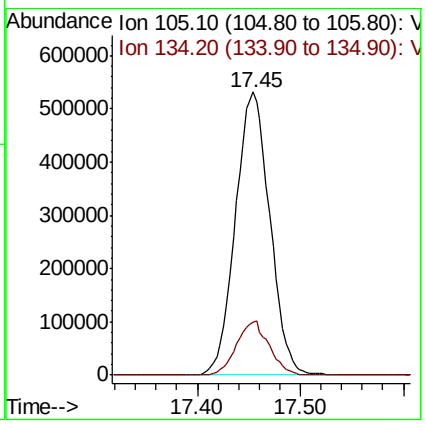


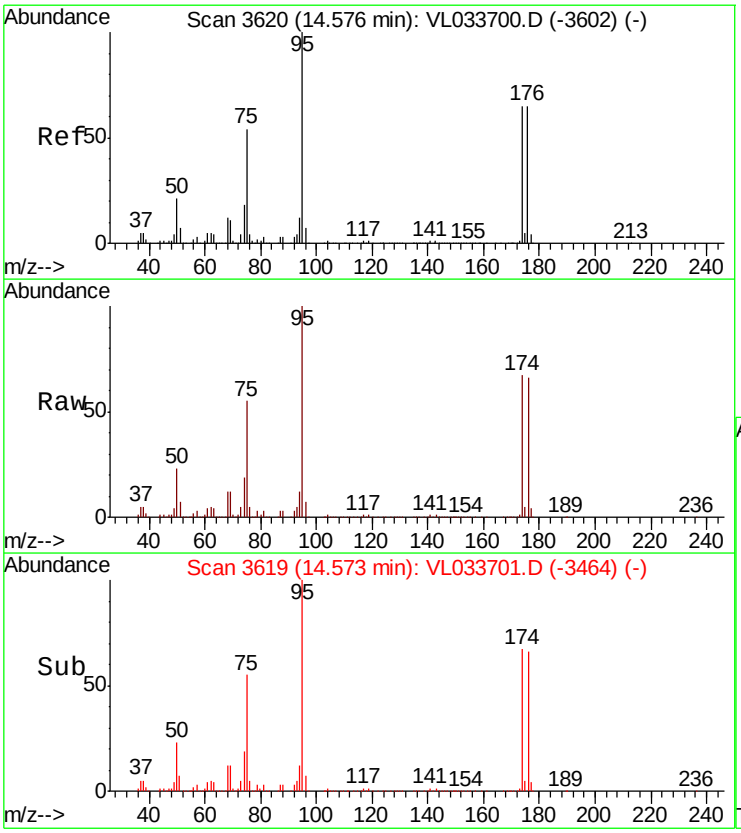
#67
sec-Butylbenzene
Concen: 2.158 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1233855

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

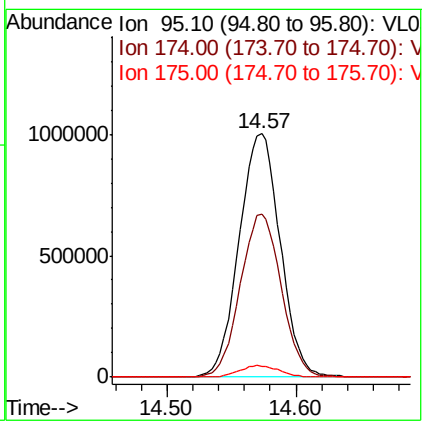


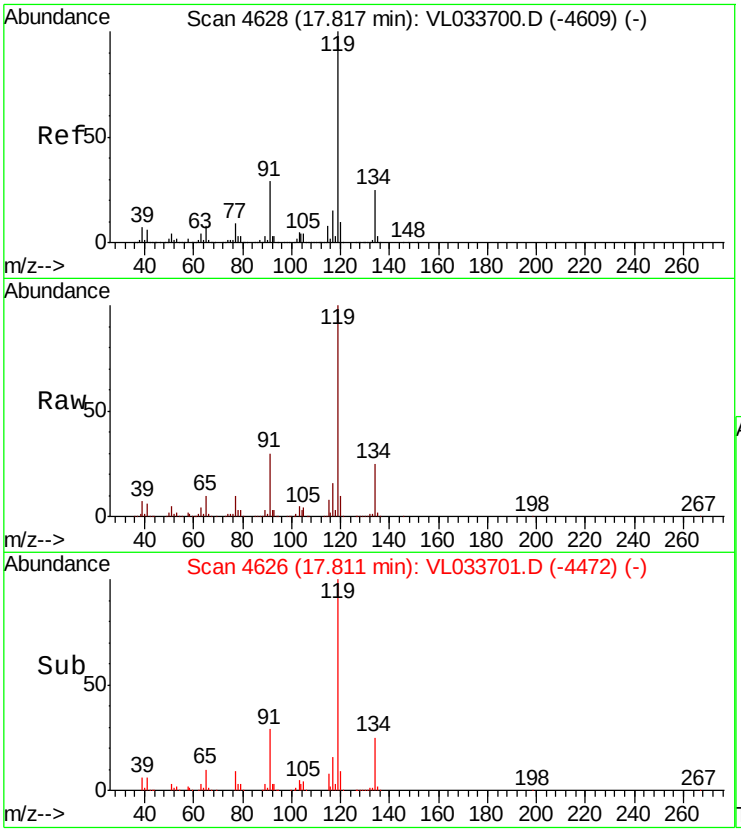


#68
1-Bromo-4-Fluorobenzene
Concen: 9.702 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 95 Resp: 2222882

Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.9	80.9
175	4.8	3.8	5.8



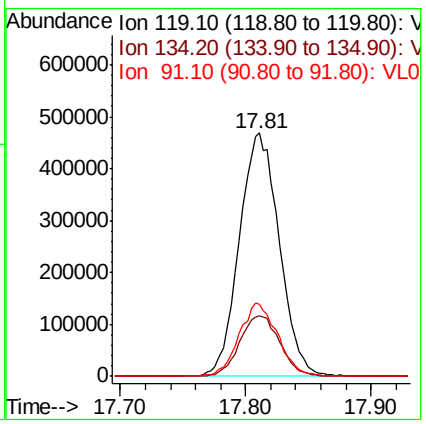


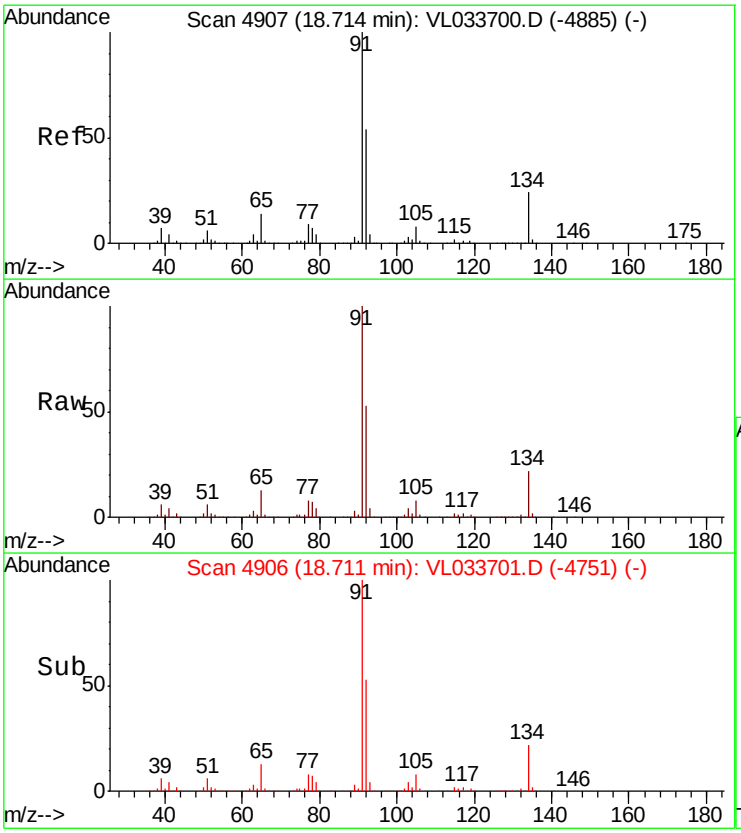
#69
p-Isopropyltoluene
Concen: 2.198 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1036328

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.4	23.1	34.7

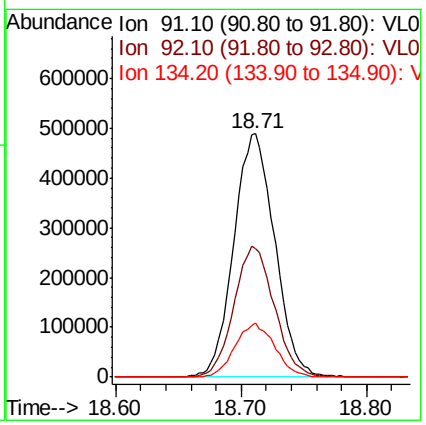


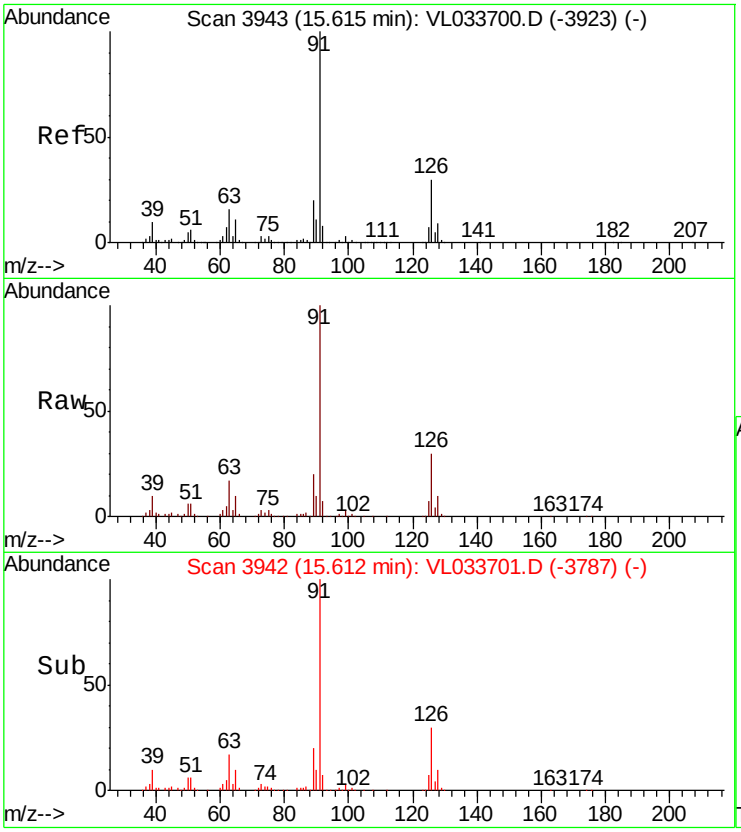


#70
n-Butylbenzene
Concen: 2.216 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion: 91 Resp: 1103968

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	21.6	18.1	27.1



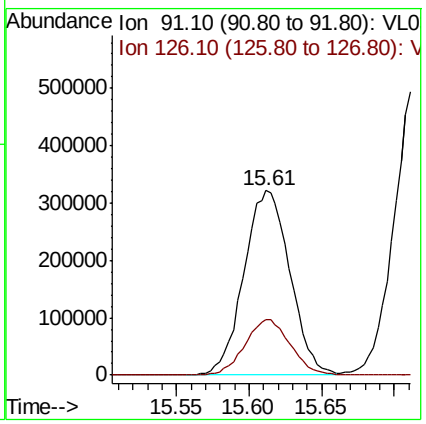


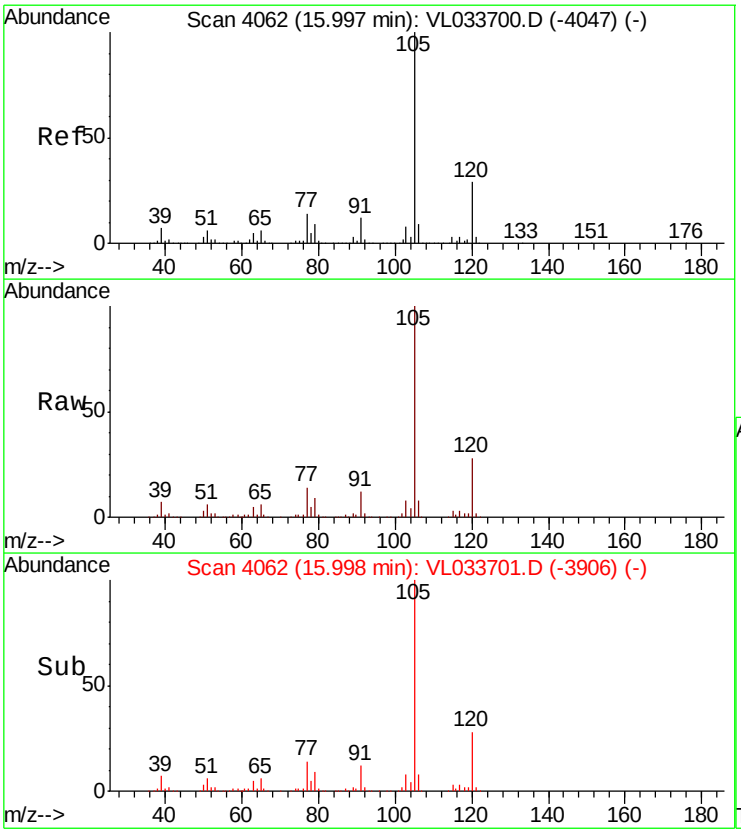
#71
2-Chlorotoluene
Concen: 2.153 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 711362

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	47.8

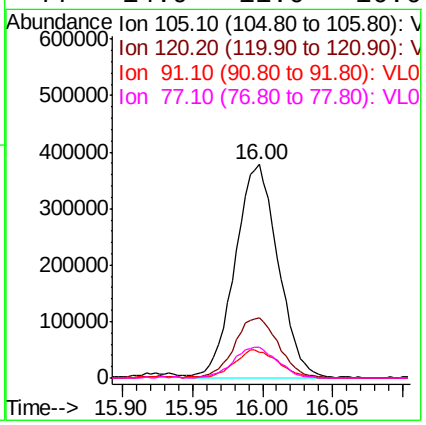


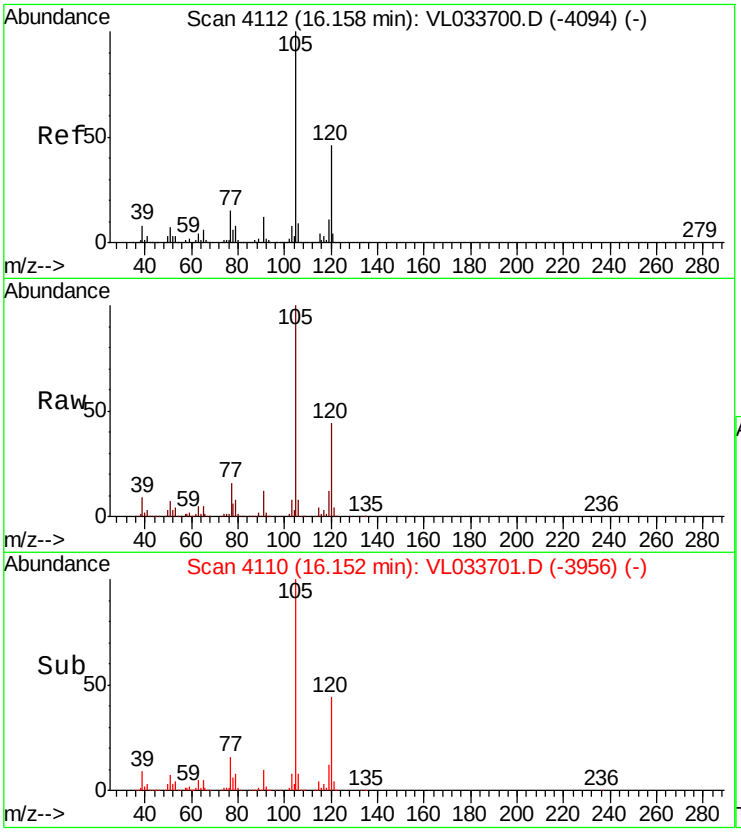


#72
4-Ethyltoluene
Concen: 2.090 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:105 Resp: 803125

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.1	34.7
91	13.6	10.4	15.6
77	14.9	11.0	16.6



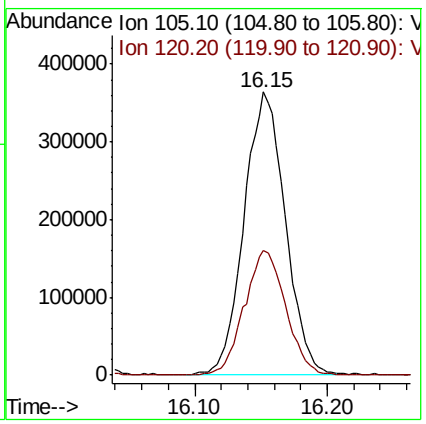


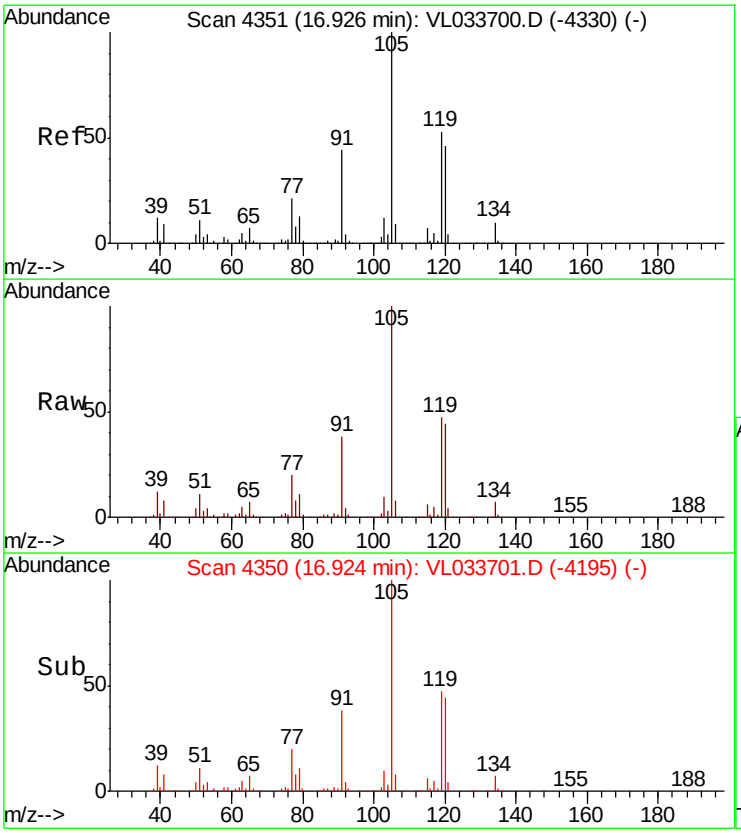
#73
1,3,5-Trimethylbenzene
Concen: 2.116 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 785424

Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.0	55.4

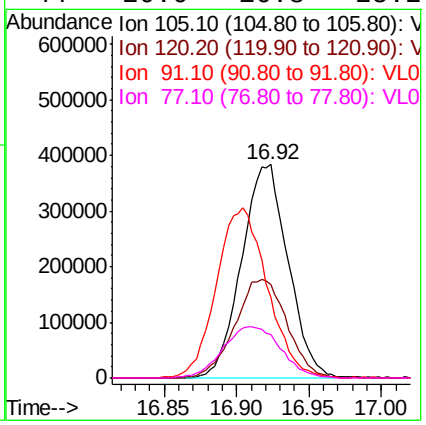


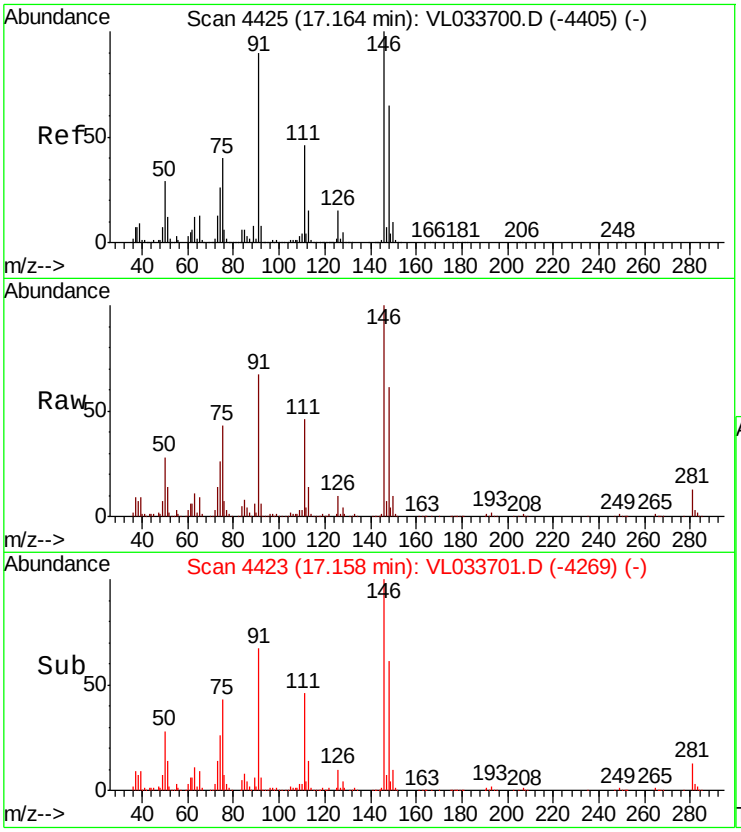


#74
1,2,4-Trimethylbenzene
Concen: 2.059 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:105 Resp: 851815

Ion	Ratio	Lower	Upper
105	100		
120	47.2	36.8	55.2
91	37.3	35.4	53.0
77	20.0	16.8	25.2



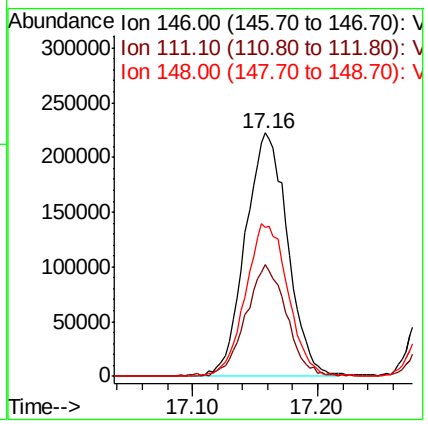


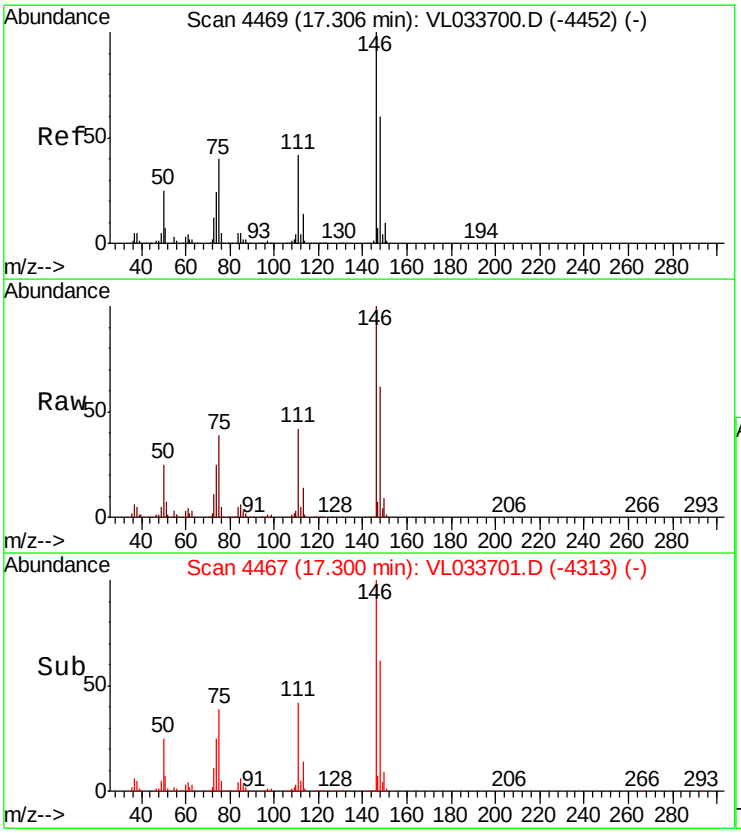
#75
1,3-Dichlorobenzene
Concen: 2.081 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 518331

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.8
148	63.7	32.0	96.2

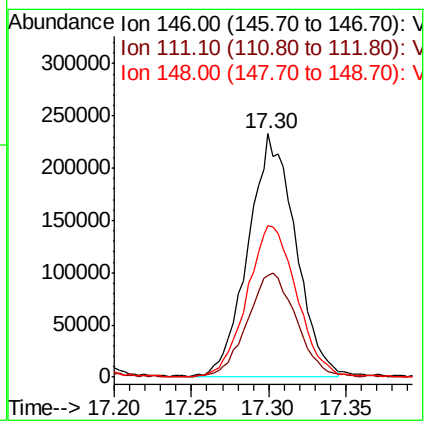


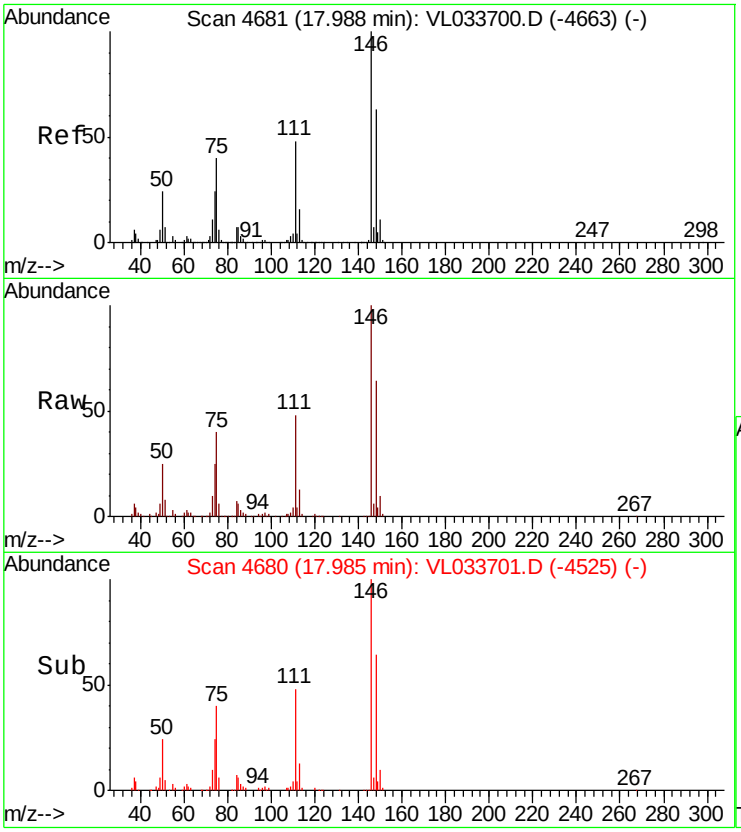


#76
1,4-Dichlorobenzene
Concen: 2.079 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:146 Resp: 491316

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.9	65.8
148	66.6	32.1	96.3



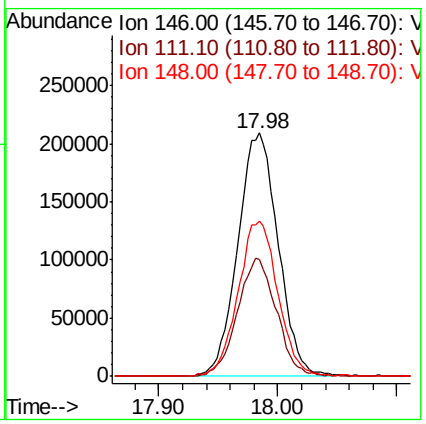


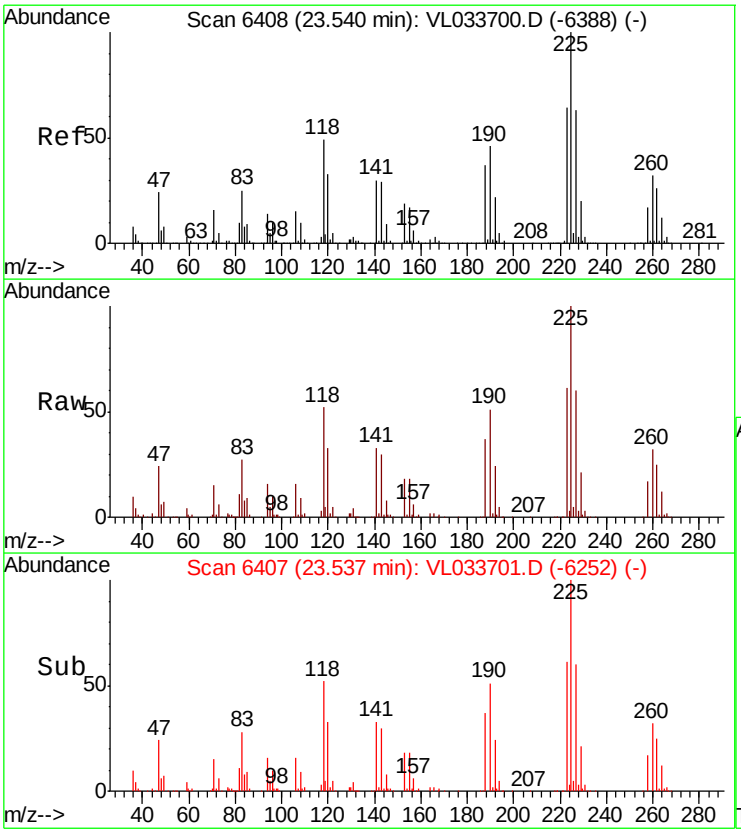
#77
1,2-Dichlorobenzene
Concen: 2.109 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 487518

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.5
148	63.6	32.1	96.3

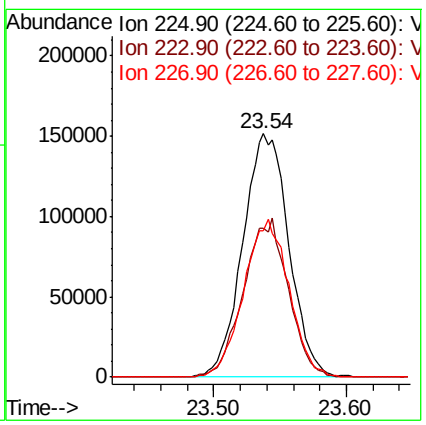


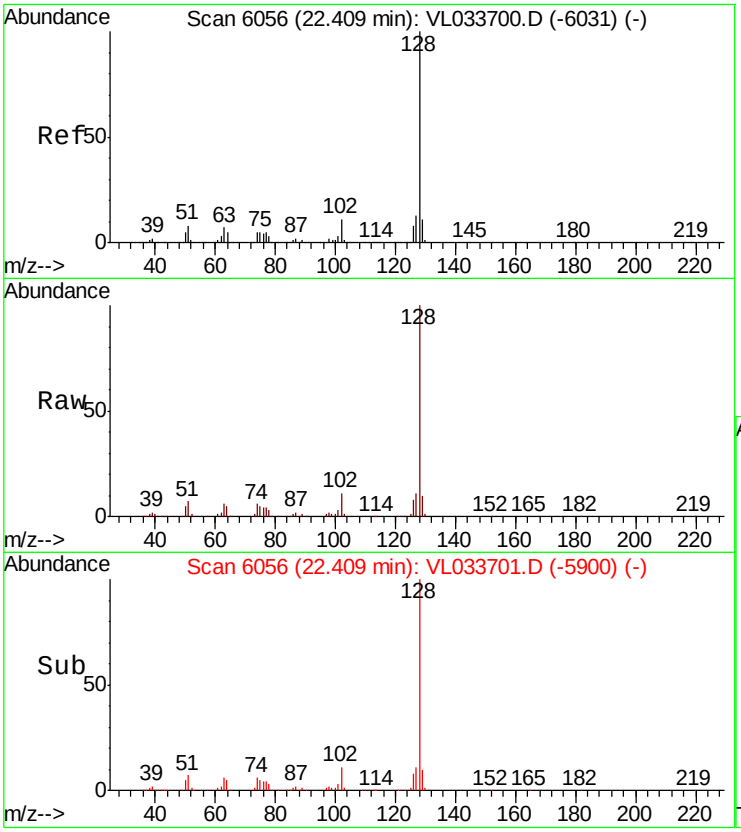


#78
Hexachloro-1,3-Butadiene
Concen: 1.999 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:225 Resp: 366482

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.4
227	63.7	50.7	76.1



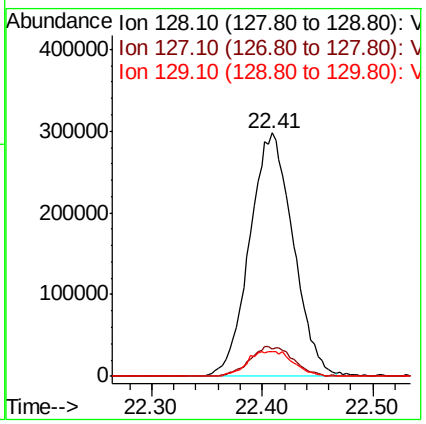


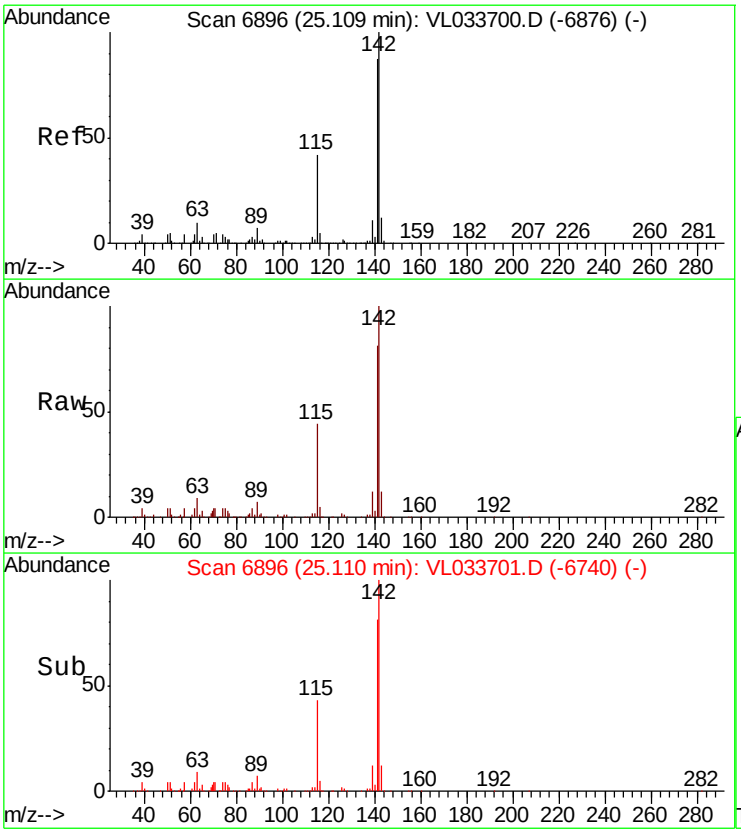
#79
Naphthalene
Concen: 2.148 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 811919

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.6	16.0
129	10.3	8.9	13.3

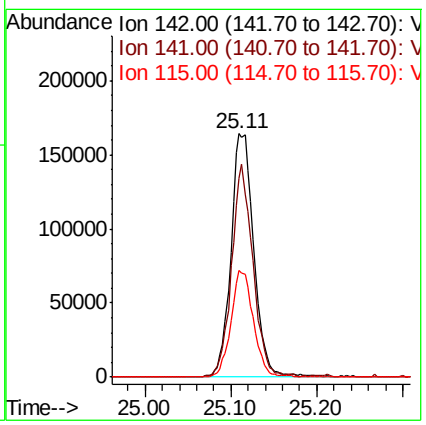


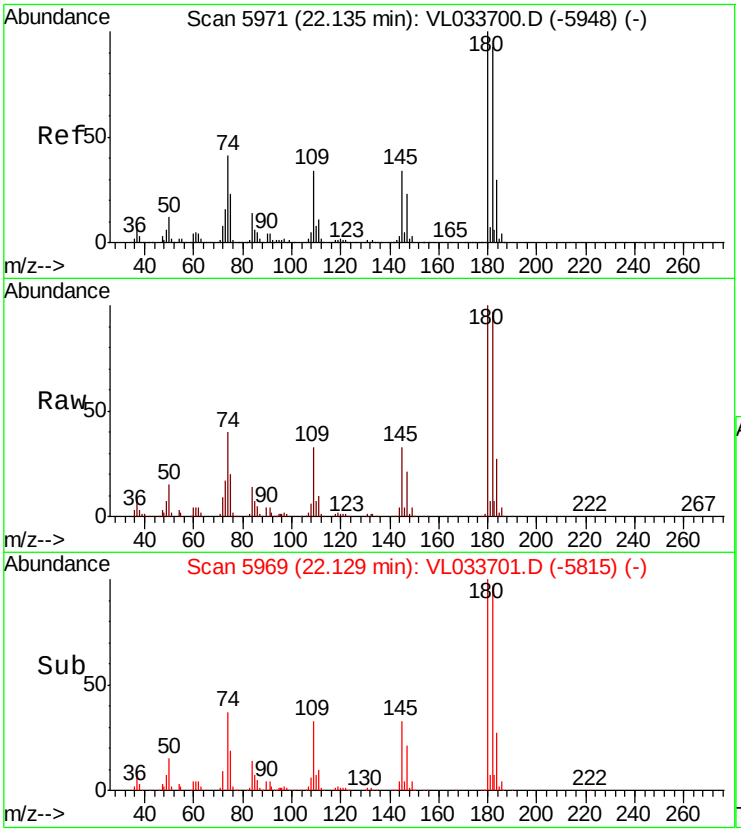


#80
Naphthalene,2-methyl-
Concen: 2.100 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Tgt Ion:142 Resp: 303145

Ion	Ratio	Lower	Upper
142	100		
141	81.5	67.2	100.8
115	43.0	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 2.146 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033701.D
Acq: 17 May 2019 2:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 471848

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.2	24.6	37.0