Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034495.D
Acq On : 17 Dec 2019 15:55
Operator : SY/AP
Sample : VL1217ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Quant Time: Dec 18 04:21:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	962235	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.20	114	1939772	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.14	117	2491716	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1702687	8.12	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	1411576	8.109	ppbv		96
3) Chlorodifluoromethane	2.96	51	1099676	9.160	ppbv		98
4) Chloromethane	3.11	50	589485	8.324	ppbv		96
5) Vinyl Chloride	3.23	62	571826	8.619	ppbv		95
6) Bromomethane	3.45	94	324925	9.733	ppbv		93
7) Chloroethane	3.54	64	216334	8.983	ppbv		92
8) Dichlorotetrafluoroethane	3.16	85	1374811	8.795	ppbv		99
9) Propene	2.98	41	427899	8.028	ppbv		99
10) Heptane	8.15	43	1177601	8.561	ppbv		99
11) Trichlorofluoromethane	3.94	101	1583143	9.138	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1038781	9.029	ppbv		99
13) Ethanol	3.59	45	111238	7.492	ppbv		89
14) Bromoethene	3.72	108	415863	8.890	ppbv		99
15) Acetone	3.83	43	1128347	8.189	ppbv		99
16) 1,3-Butadiene	3.30	39	523369	8.720	ppbv		97
17) tert-Butyl alcohol	4.29	59	1148860	9.919	ppbv		99
18) 1,1-Dichloroethene	4.28	96	463669	9.213	ppbv		95
19) Isopropyl Alcohol	3.96	45	897781	10.165	ppbv	#	99
20) Methylene Chloride	4.34	84	398193	8.150	ppbv		94
21) Allyl Chloride	4.41	41	757311	9.172	ppbv		98
22) trans-1,2-Dichloroethene	4.89	96	451306	8.896	ppbv		99
23) Vinyl Acetate	5.08	43	1627847	9.044	ppbv		99
24) 1,1-Dichloroethane	5.01	63	1188909	8.599	ppbv		100
25) Ethyl Acetate	5.69	43	2005099	8.155	ppbv		99
26) Hexane	5.70	57	874324	8.275	ppbv		98
27) Carbon Disulfide	4.55	76	1165620	10.129	ppbv		99
28) Methyl tert-Butyl Ether	5.03	73	1521436	8.684	ppbv		99
29) Chloroform	5.77	83	1459535	8.531	ppbv		98
30) Cyclohexane	7.16	84	702853	8.800	ppbv		100
31) cis-1,2-Dichloroethene	5.56	61	923948	8.463	ppbv		97
32) 1,1,1-Trichloroethane	6.53	97	1510767	9.418	ppbv		99
34) 2-Butanone	5.25	43	1335145	8.362	ppbv		99
35) Carbon Tetrachloride	7.04	117	1602782	9.610	ppbv		97
36) Benzene	6.92	78	1661434	8.568	ppbv		97
37) 1,2-Dichloroethane	6.33	62	1274147	8.845	ppbv		100
38) Trichloroethene	7.87	130	670247	8.423	ppbv		98
39) 1,2-Dichloropropane	7.65	63	684694	9.165	ppbv		96
40) 1,4-Dioxane	7.86	88	253601	7.771	ppbv	#	98
41) Tetrahydrofuran	6.06	42	744442	8.313	ppbv		99
42) Bromodichloromethane	7.83	83	1617667	8.979	ppbv		99
43) Methyl Methacrylate	8.04	69	709129	8.817	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034495.D
Acq On : 17 Dec 2019 15:55
Operator : SY/AP
Sample : VL1217ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Quant Time: Dec 18 04:21:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3015327	8.509	ppbv		99
45) t-1,3-Dichloropropene	9.32	75	936051	9.075	ppbv		98
46) cis-1,3-Dichloropropene	8.74	75	1053290	9.091	ppbv		98
47) 1,1,2-Trichloroethane	9.52	97	721687	8.684	ppbv		96
48) Dibromochloromethane	10.35	129	1371199	9.610	ppbv		100
49) Bromoform	13.10	173	1219511	9.575	ppbv		99
50) 4-Methyl-2-Pentanone	8.78	43	2013144	8.714	ppbv		99
51) 2-Hexanone	10.18	43	1683273	8.699	ppbv		97
52) Tetrachloroethene	11.28	164	621876	7.412	ppbv		98
53) Toluene	9.85	91	1929413	8.760	ppbv		100
54) 1,2-Dibromoethane	10.66	107	1137155	8.926	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	919241	7.542	ppbv		97
57) Chlorobenzene	12.20	112	1515941	6.730	ppbv		99
58) Ethyl Benzene	12.76	91	2705277	6.996	ppbv		98
59) m/p-Xylene	13.05	91	2453667	7.341	ppbv	#	40
60) o-Xylene	13.75	91	2283705	6.910	ppbv		100
61) Styrene	13.58	104	1623288	6.811	ppbv		100
62) Isopropylbenzene	14.73	105	3042742	6.962	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1663823	6.698	ppbv		100
64) n-propylbenzene	15.62	120	792880	6.985	ppbv		97
65) tert-Butylbenzene	16.81	119	2761212	7.033	ppbv		100
66) Benzyl Chloride	17.05	91	1321354	8.748	ppbv		100
67) sec-Butylbenzene	17.36	105	3844096	7.000	ppbv		100
69) p-Isopropyltoluene	17.72	119	3202336	7.026	ppbv		100
70) n-Butylbenzene	18.62	91	3403943	6.941	ppbv		99
71) 2-Chlorotoluene	15.52	91	2393168	6.867	ppbv		99
72) 4-Ethyltoluene	15.90	105	2618550	6.857	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2548841	6.819	ppbv		97
74) 1,2,4-Trimethylbenzene	16.83	105	2666106	6.715	ppbv	#	88
75) 1,3-Dichlorobenzene	17.07	146	658974	2.887	ppbv	#	14
76) 1,4-Dichlorobenzene	17.21	146	1482541	6.690	ppbv		99
77) 1,2-Dichlorobenzene	17.89	146	1469907	6.668	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	1208824	6.383	ppbv		100
79) Naphthalene	22.29	128	2266113	6.584	ppbv		99
80) Naphthalene,2-methyl-	25.04	142	413065	2.658	ppbv		96
81) 1,2,4-Trichlorobenzene	22.02	180	1287149	6.087	ppbv		100

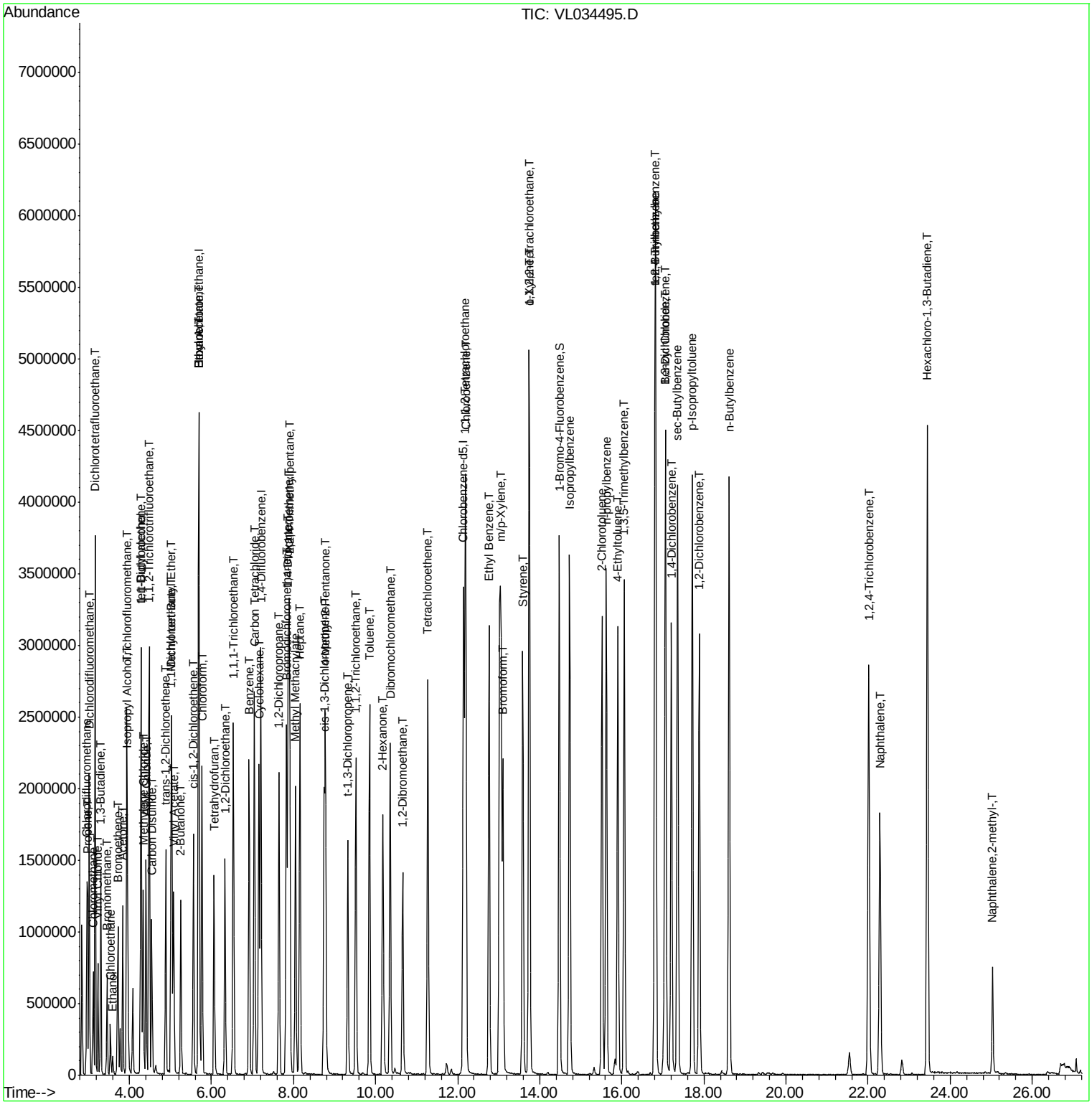
(#) = qualifier out of range (m) = manual integration (+) = signals summed

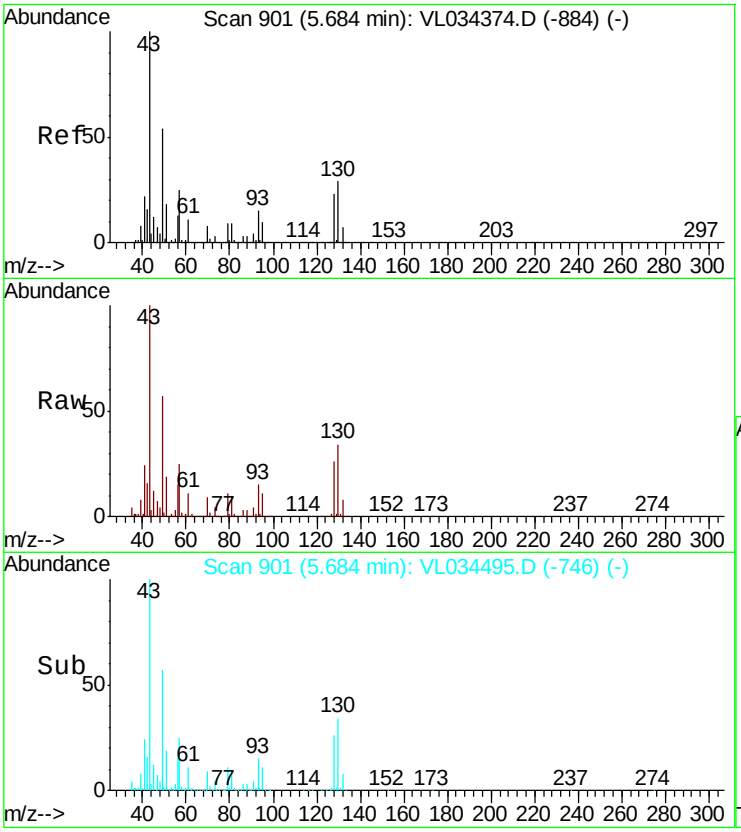
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121719\
Data File : VL034495.D
Acq On : 17 Dec 2019 15:55
Operator : SY/AP
Sample : VL1217ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Quant Time: Dec 18 04:21:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



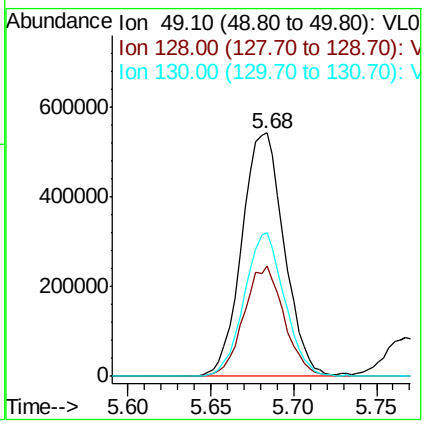


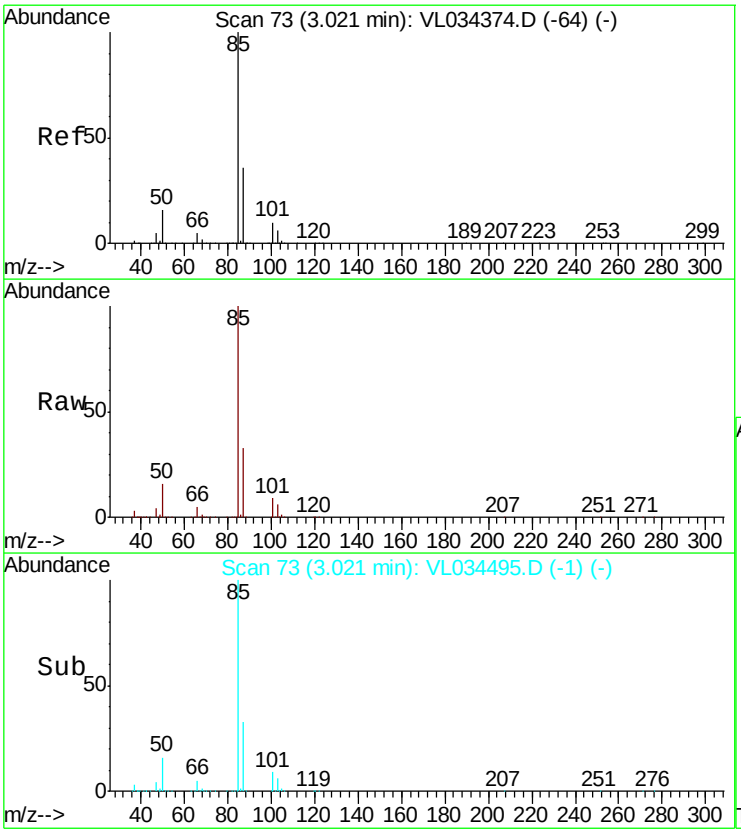
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 49 Resp: 962235

Ion	Ratio	Lower	Upper
49	100		
128	43.4	21.8	65.3
130	56.2	28.0	84.0

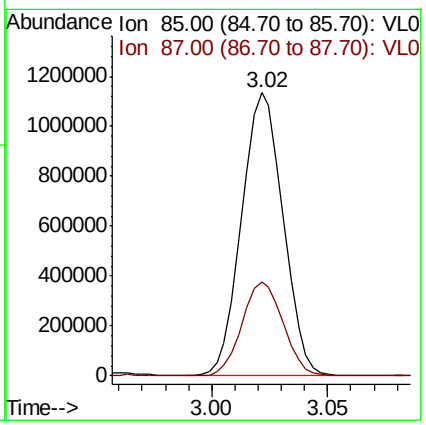


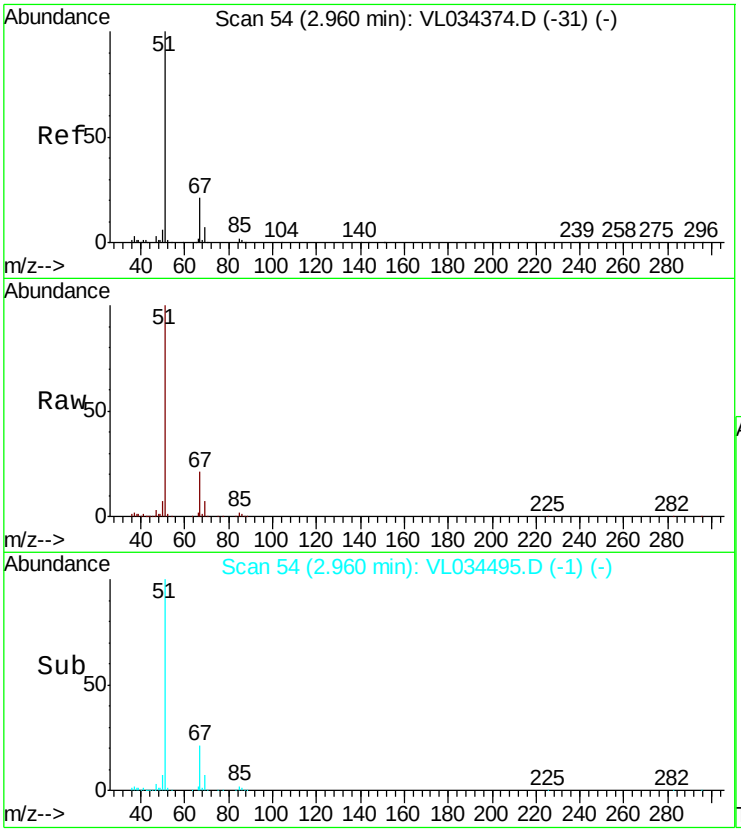


#2
Dichlorodifluoromethane
Concen: 8.109 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 85 Resp: 1411576

Ion	Ratio	Lower	Upper
85	100		
87	33.3	28.5	42.7



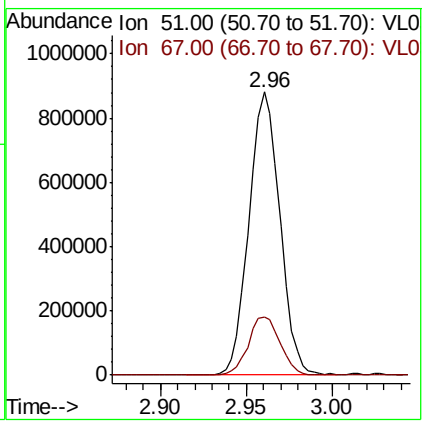


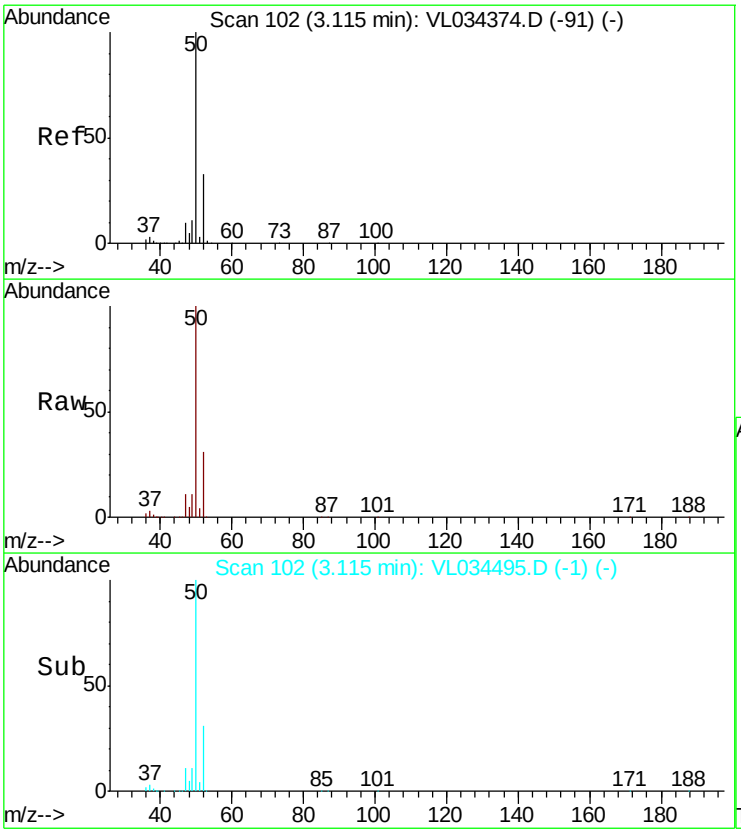
#3
Chlorodifluoromethane
Concen: 9.160 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 51 Resp: 1099676

Ion	Ratio	Lower	Upper
51	100		
67	21.3	16.2	24.2

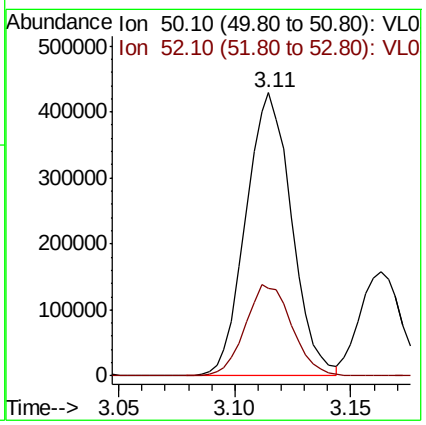


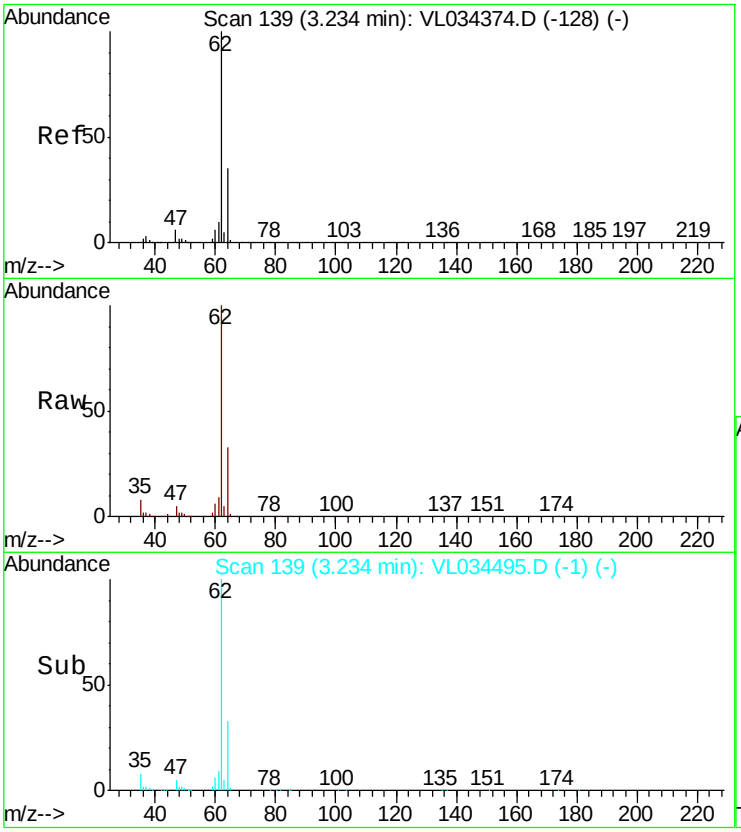


#4
Chloromethane
Concen: 8.324 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 50 Resp: 589485

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.8	40.2



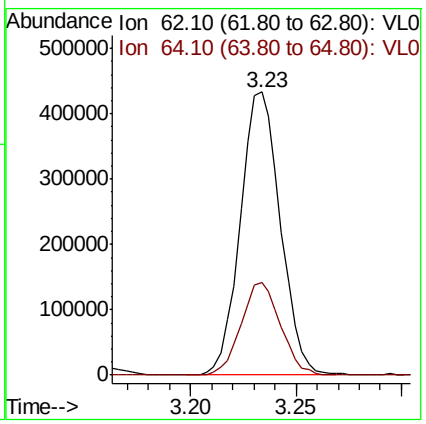


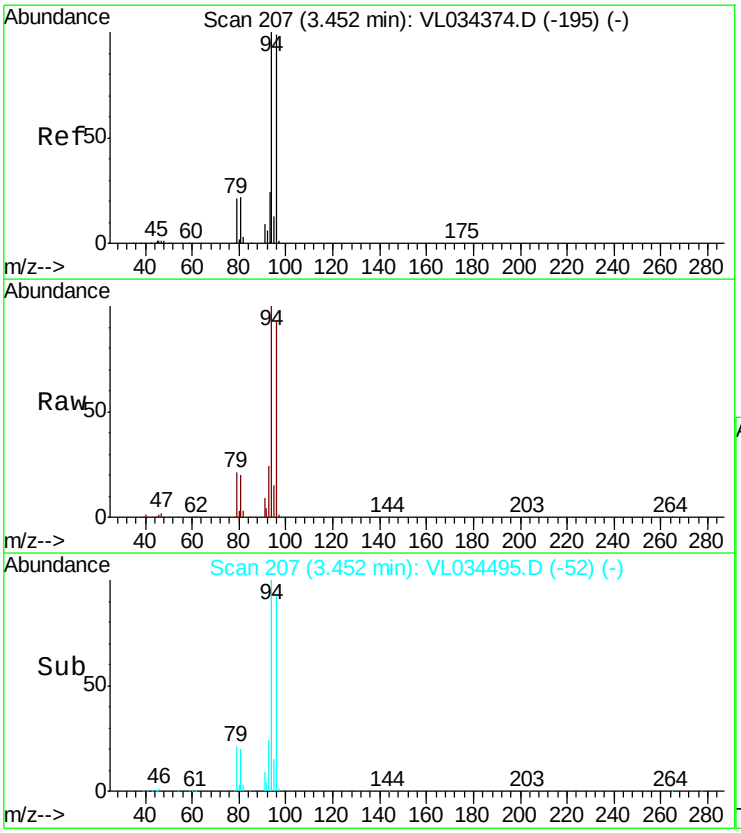
#5
Vinyl Chloride
Concen: 8.619 ppbv
RT: 3.23 min Scan# 139
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 62 Resp: 571826

Ion	Ratio	Lower	Upper
62	100		
64	32.8	28.4	42.6

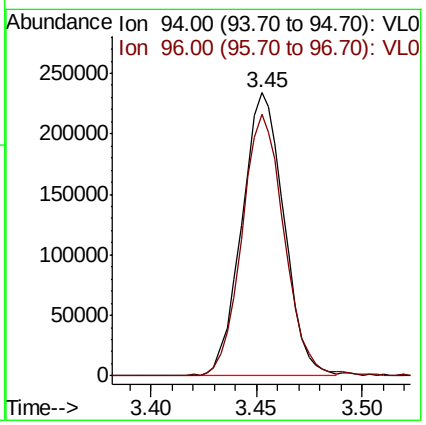


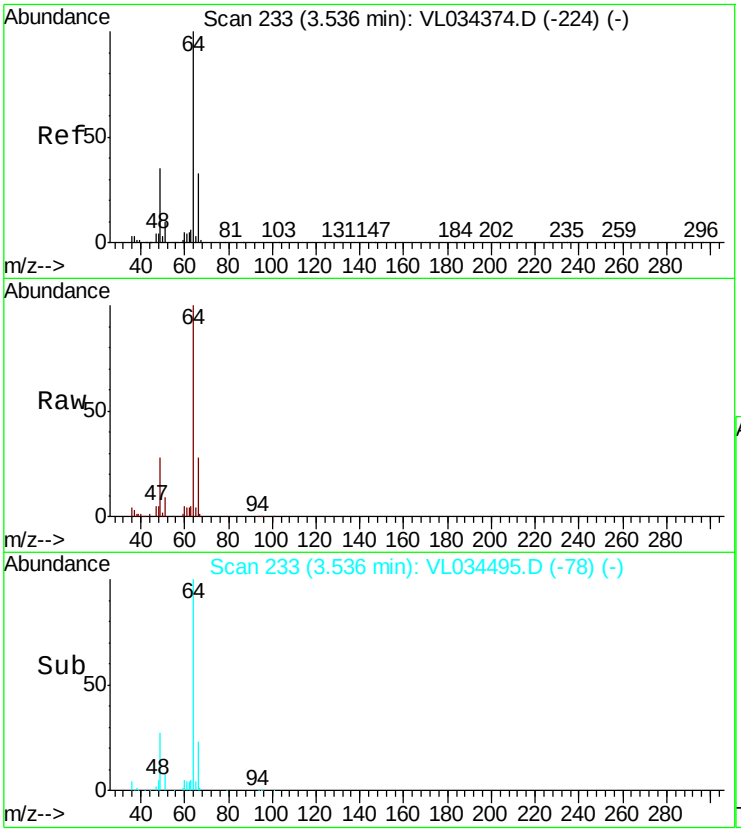


#6
Bromomethane
Concen: 9.733 ppbv
RT: 3.45 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 94 Resp: 324925

Ion	Ratio	Lower	Upper
94	100		
96	92.6	79.5	119.3



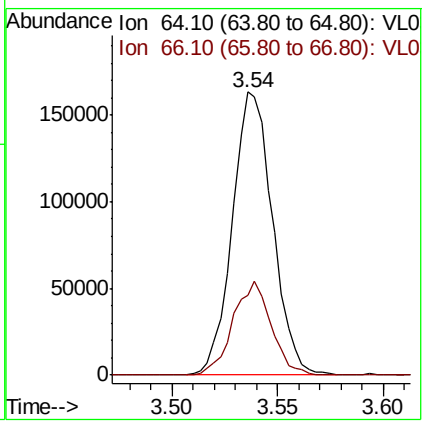


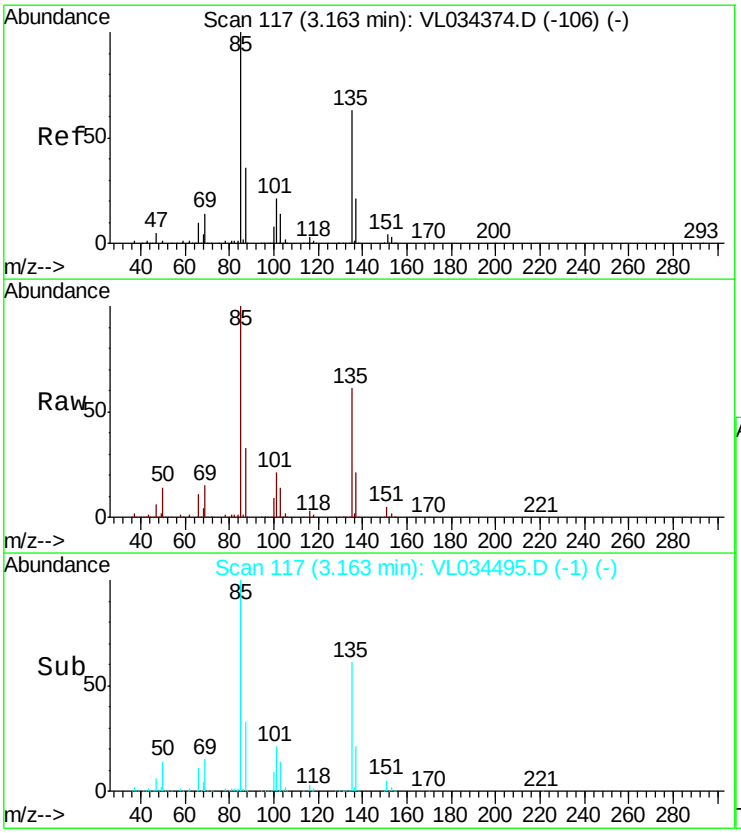
#7
Chloroethane
Concen: 8.983 ppbv
RT: 3.54 min Scan# 233
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 64 Resp: 216334

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.0	39.0

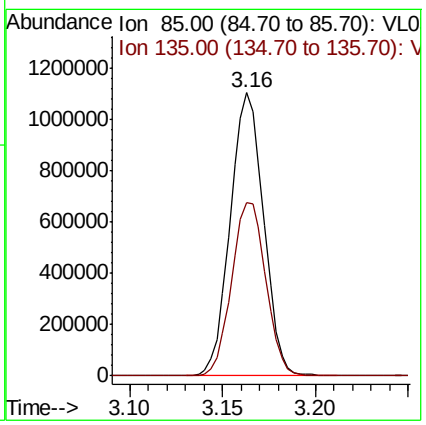


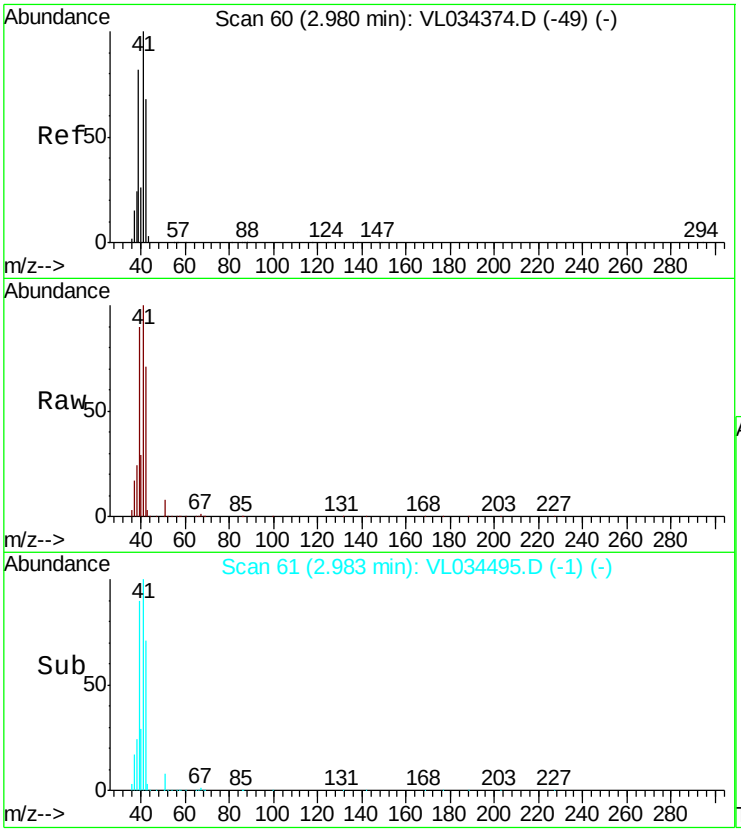


#8
Dichlorotetrafluoroethane
Concen: 8.795 ppbv
RT: 3.16 min Scan# 117
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 85 Resp: 1374811

Ion	Ratio	Lower	Upper
85	100		
135	63.3	51.1	76.7



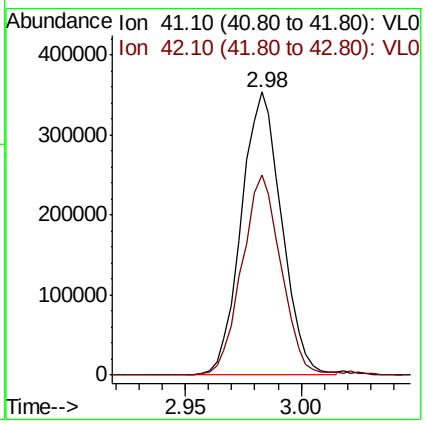


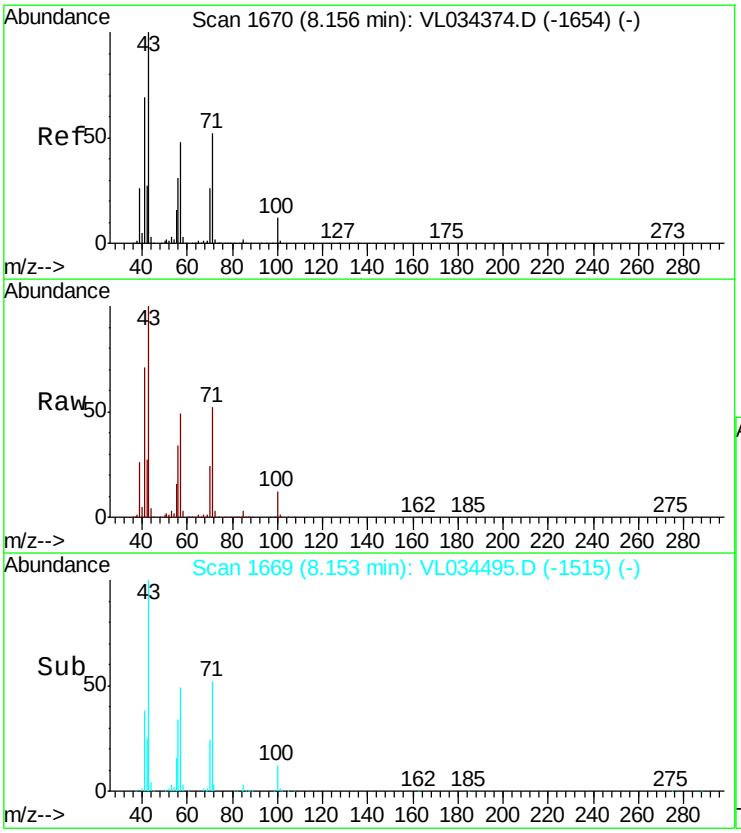
#9
Propene
Concen: 8.028 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 41 Resp: 427899

Ion	Ratio	Lower	Upper
41	100		
42	69.4	54.6	82.0

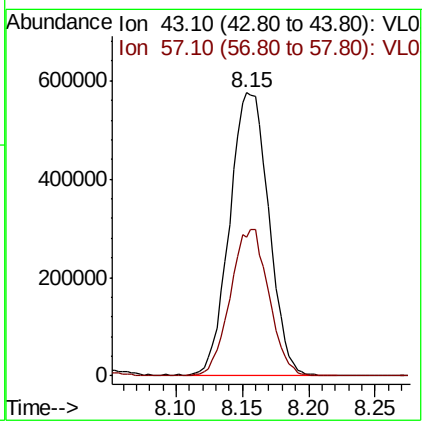


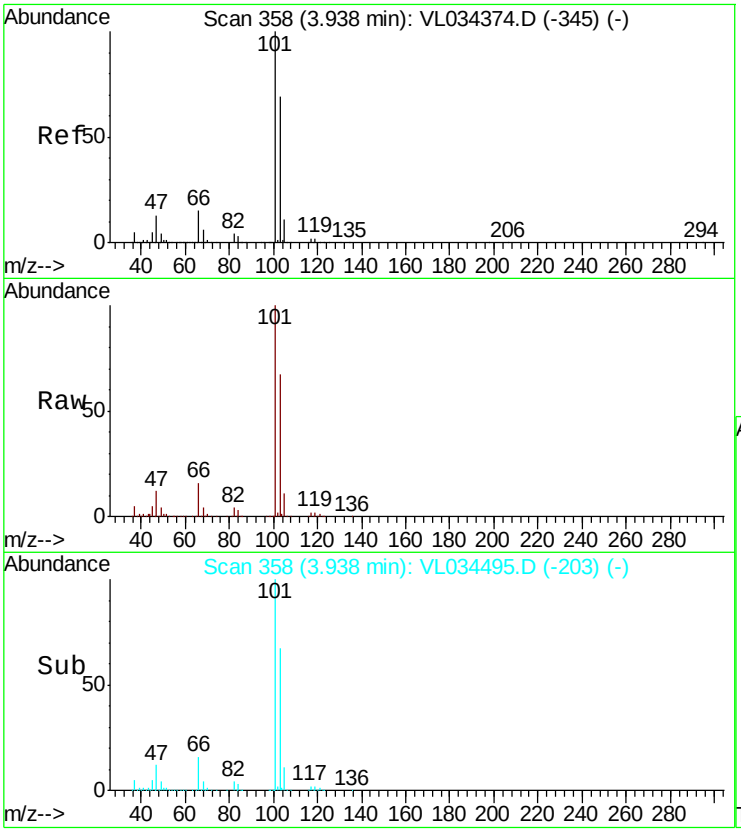


#10
Heptane
Concen: 8.561 ppbv
RT: 8.15 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 43 Resp: 1177601

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.2	60.2



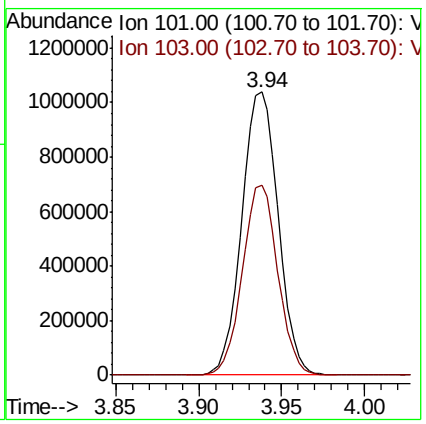


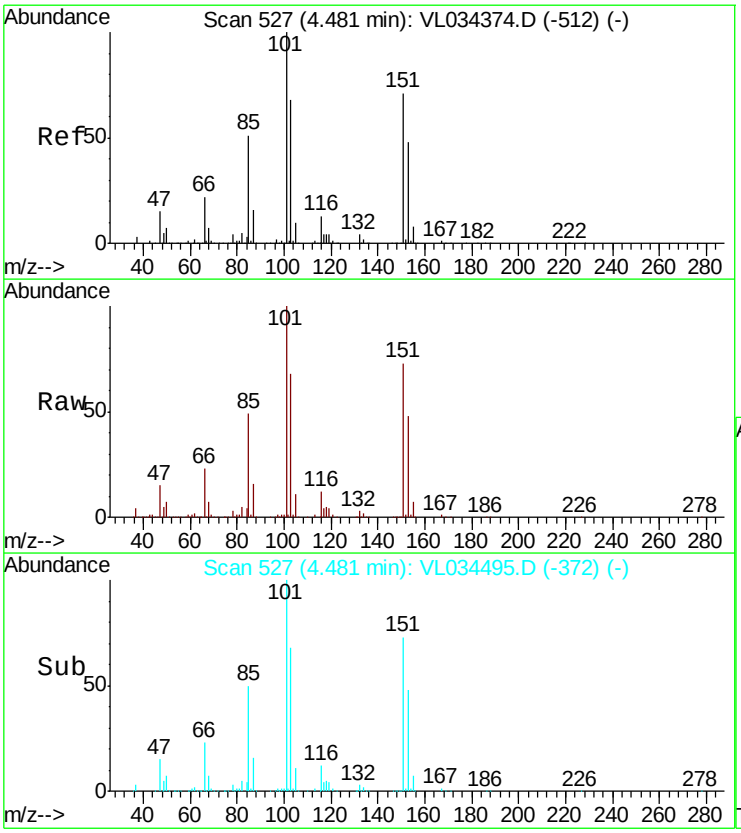
#11
Trichlorofluoromethane
Concen: 9.138 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:101 Resp: 1583143

Ion	Ratio	Lower	Upper
101	100		
103	67.3	55.4	83.0

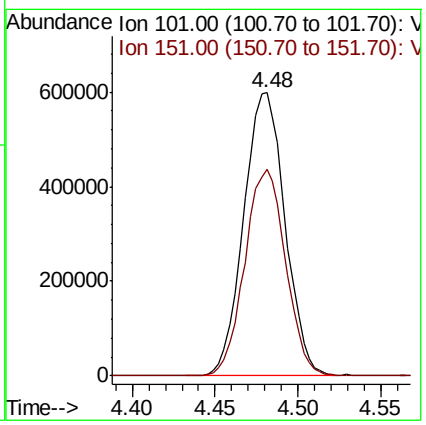


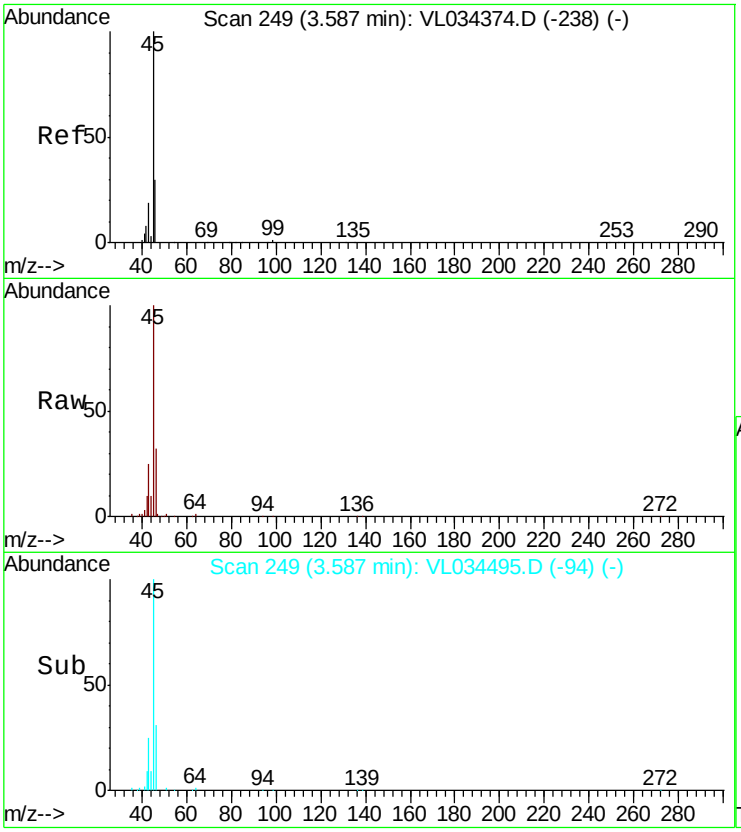


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.029 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:101 Resp: 1038781

Ion	Ratio	Lower	Upper
101	100		
151	72.3	57.4	86.2



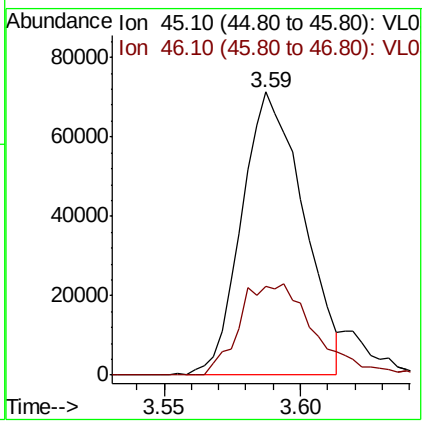


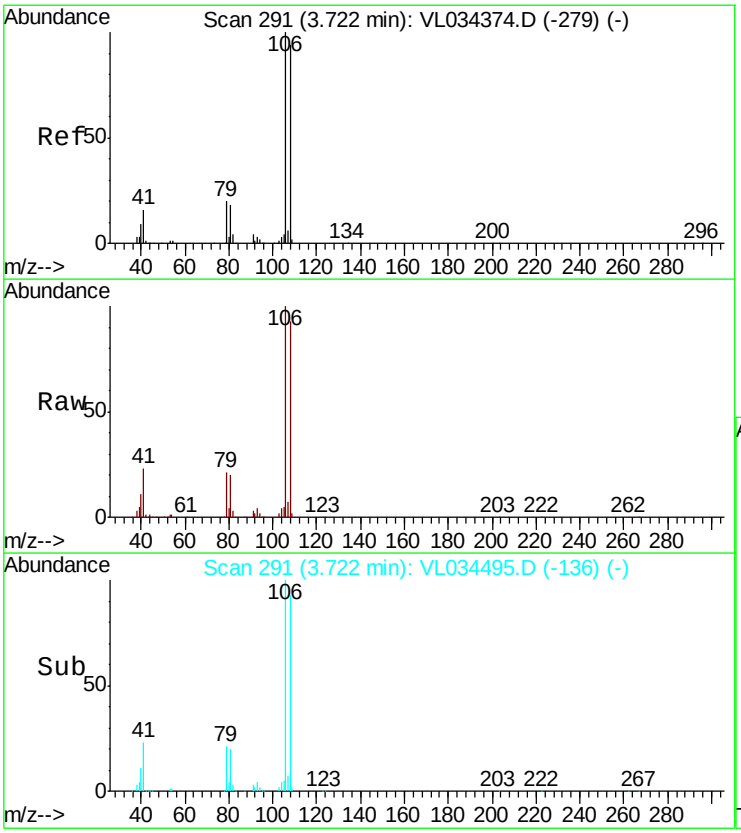
#13
Ethanol
Concen: 7.492 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 45 Resp: 111238

Ion	Ratio	Lower	Upper
45	100		
46	40.7	13.8	55.4

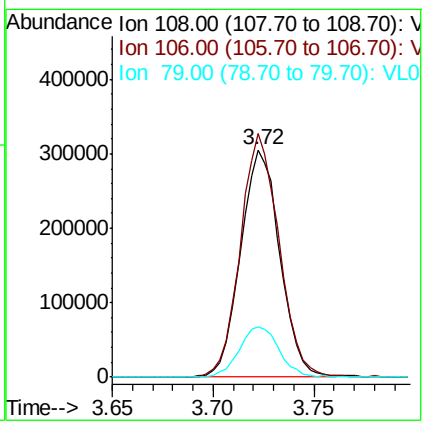


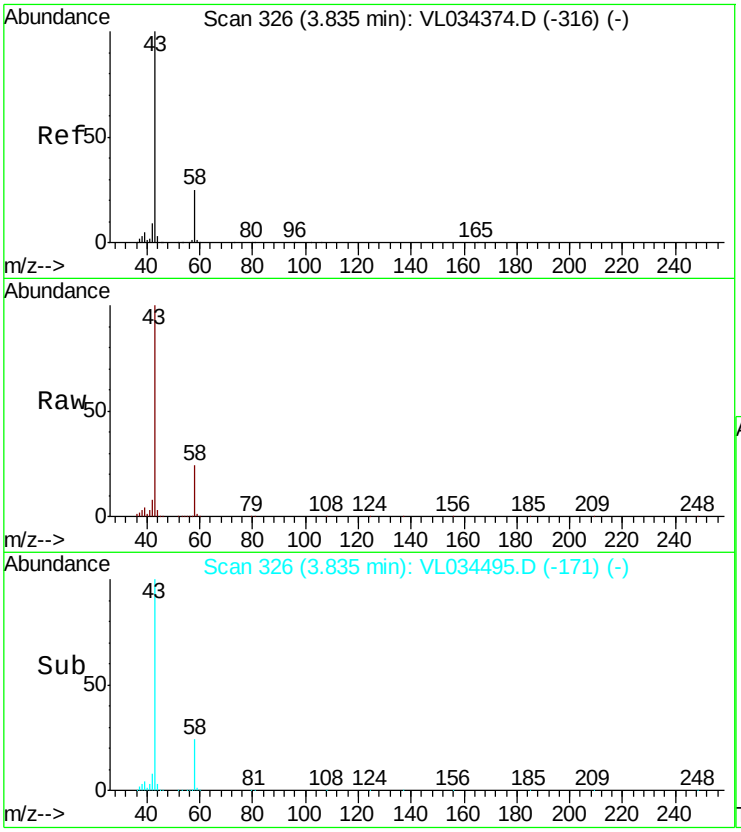


#14
Bromoethene
Concen: 8.890 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:108 Resp: 415863

Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.7	128.5
79	22.7	17.2	25.8



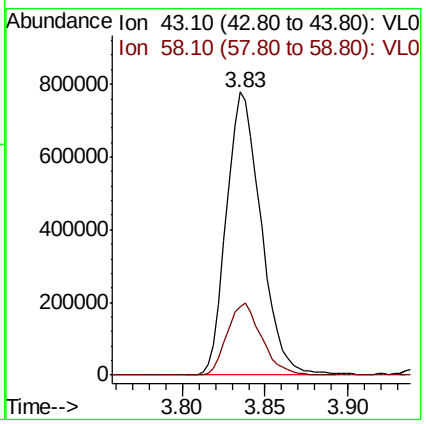


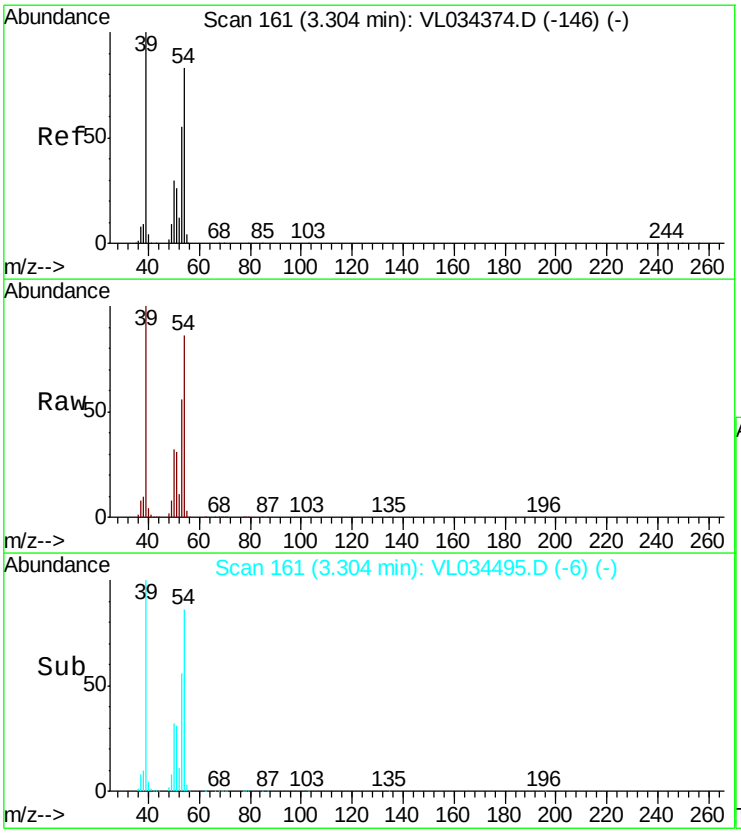
#15
Acetone
Concen: 8.189 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 43 Resp: 1128347

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.2	30.4

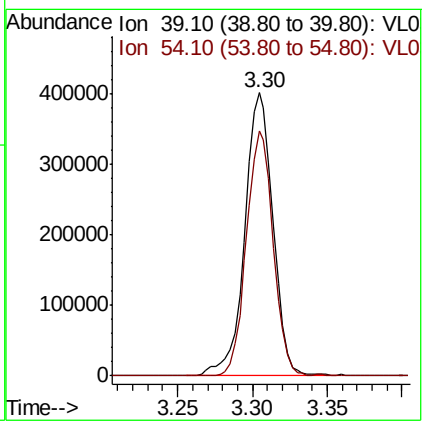


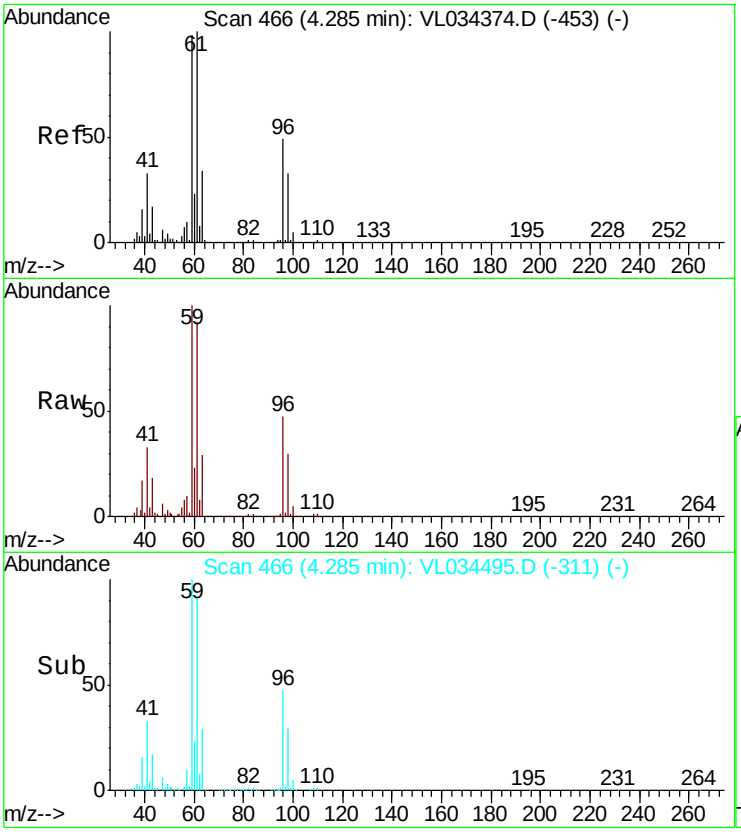


#16
1,3-Butadiene
Concen: 8.720 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 39 Resp: 523369

Ion	Ratio	Lower	Upper
39	100		
54	83.1	64.7	97.1



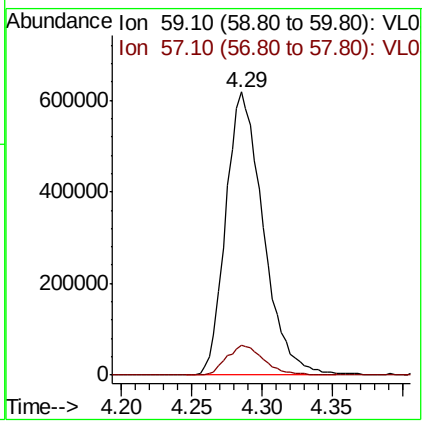


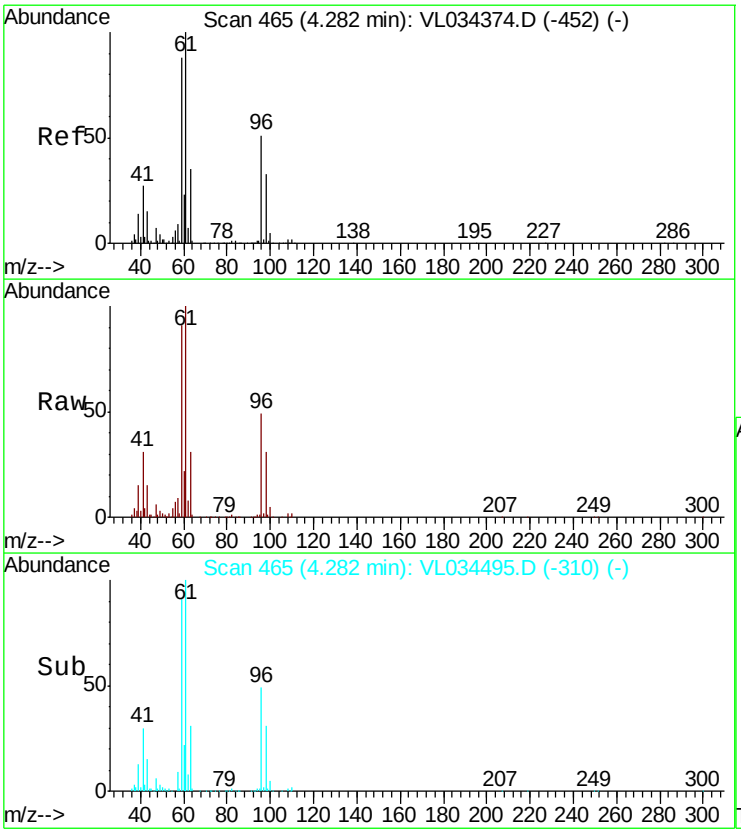
#17
tert-Butyl alcohol
Concen: 9.919 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 59 Resp: 1148860

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2

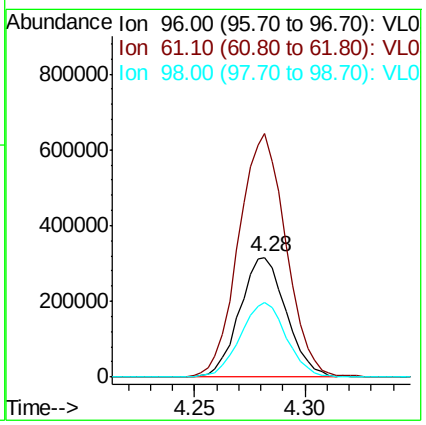


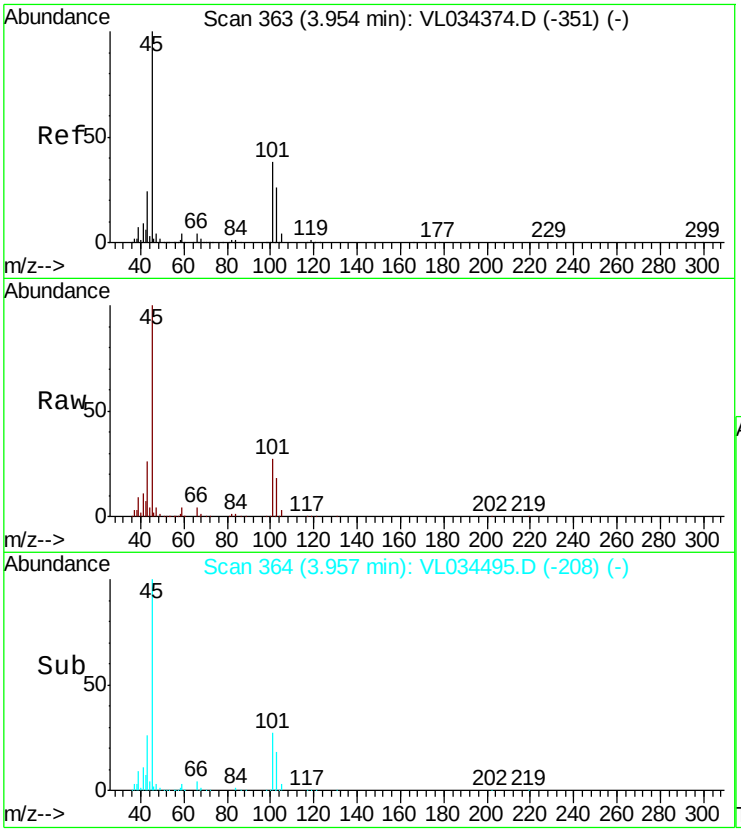


#18
1,1-Dichloroethene
Concen: 9.213 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 96 Resp: 463669

Ion	Ratio	Lower	Upper
96	100		
61	202.7	155.6	233.4
98	62.3	51.6	77.4



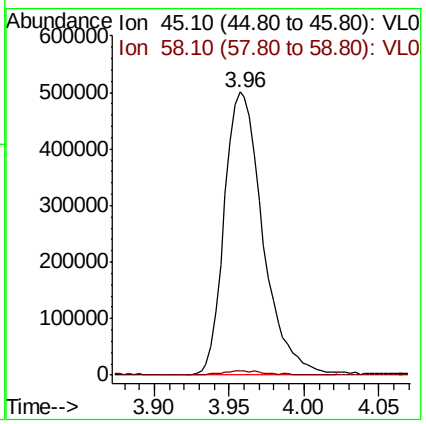


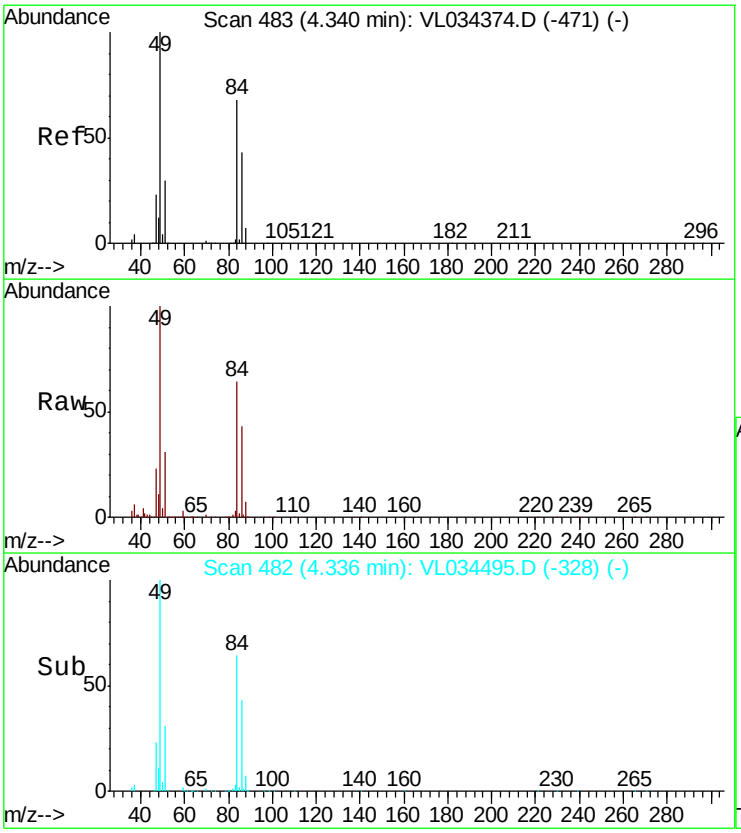
#19
Isopropyl Alcohol
Concen: 10.165 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 45 Resp: 897781

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.3	1.9#

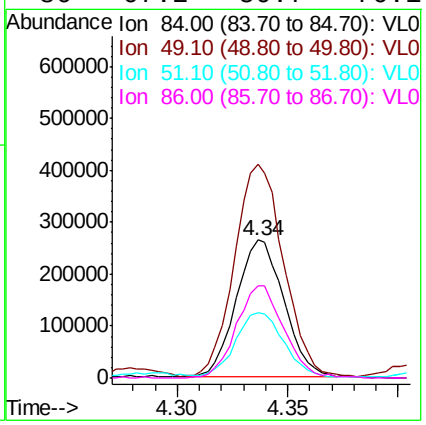


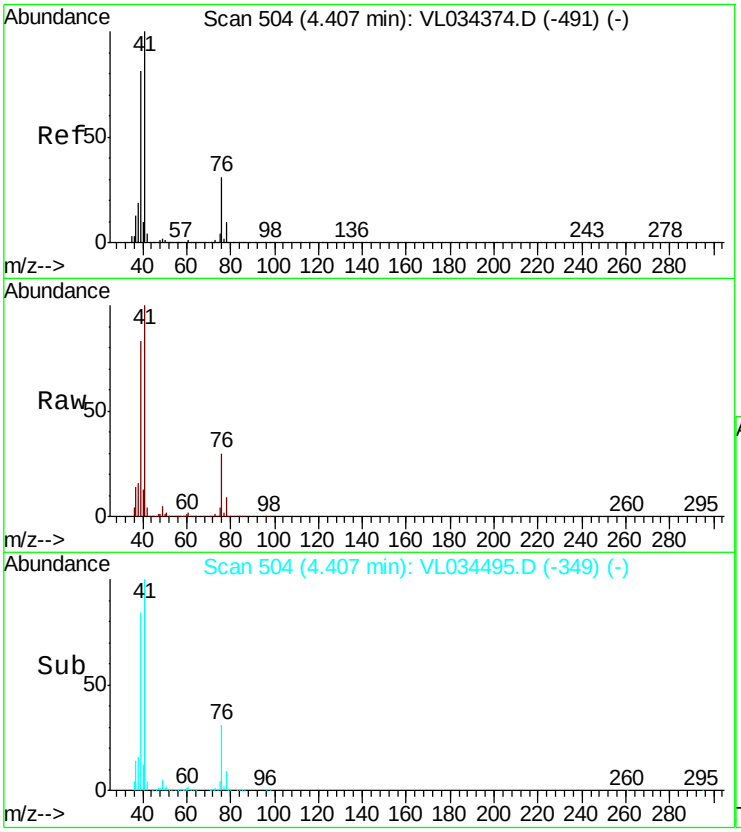


#20
Methylene Chloride
Concen: 8.150 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 84 Resp: 398193

Ion	Ratio	Lower	Upper
84	100		
49	154.1	116.8	175.2
51	46.8	35.6	53.4
86	67.2	50.7	76.1



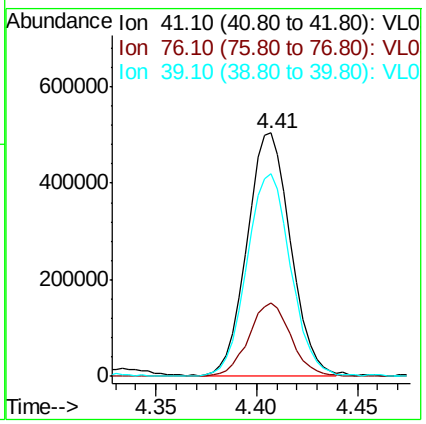


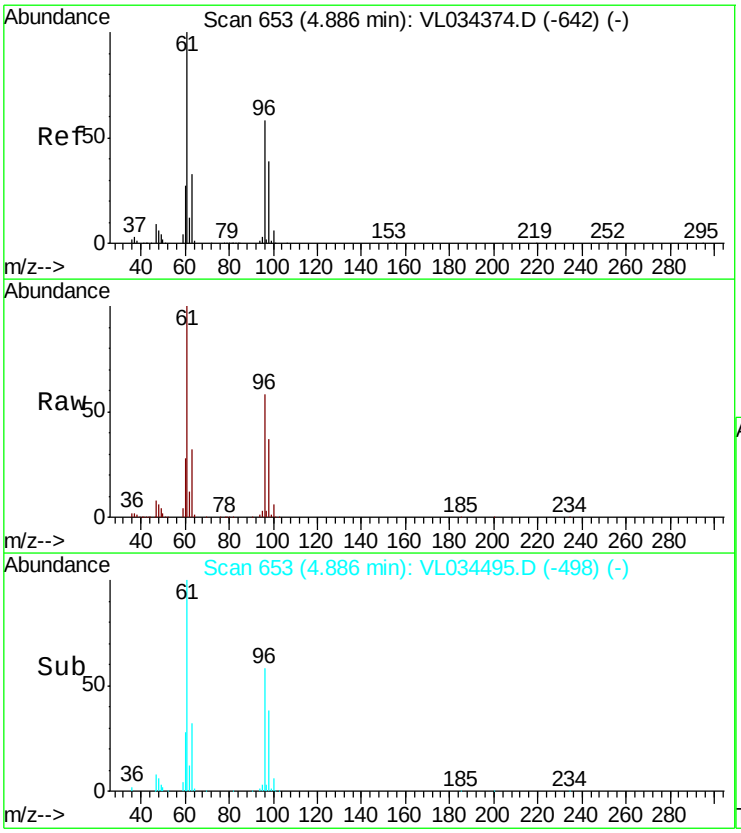
#21
Allyl Chloride
Concen: 9.172 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 41 Resp: 757311

Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.2	36.2
39	85.1	66.9	100.3

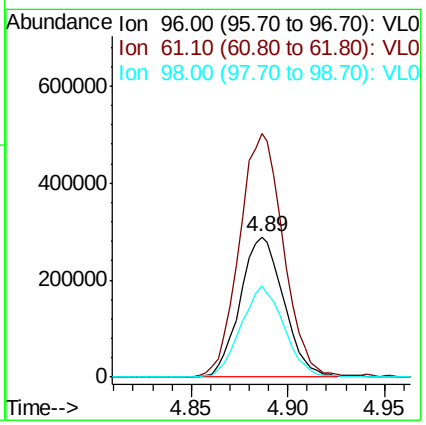


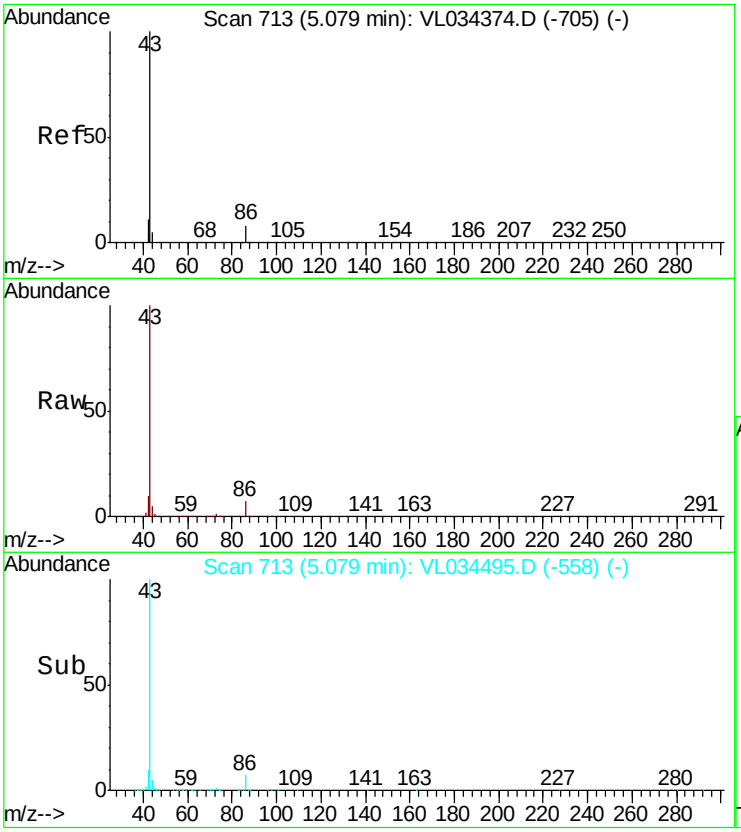


#22
trans-1,2-Dichloroethene
Concen: 8.896 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 96 Resp: 451306

Ion	Ratio	Lower	Upper
96	100		
61	173.1	137.9	206.9
98	64.9	53.5	80.3



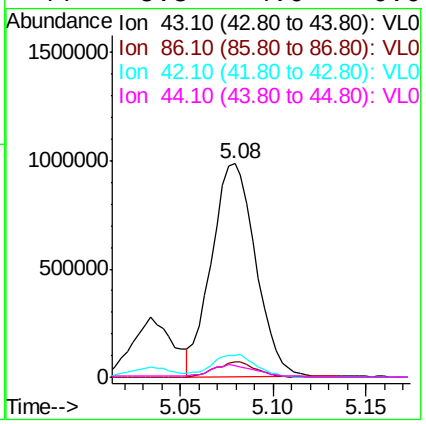


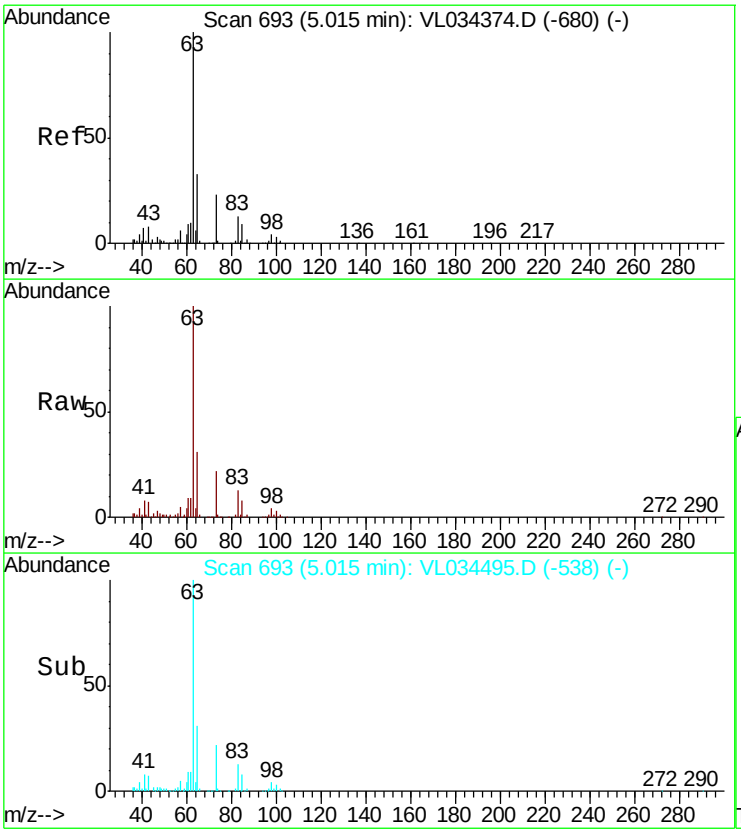
#23
Vinyl Acetate
Concen: 9.044 ppbv
RT: 5.08 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 43 Resp: 1627847

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.6
42	10.3	8.9	13.3
44	5.3	4.0	6.0

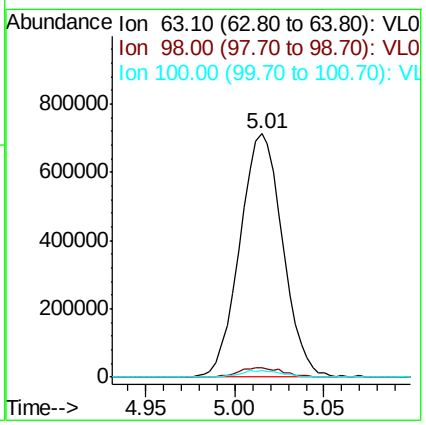


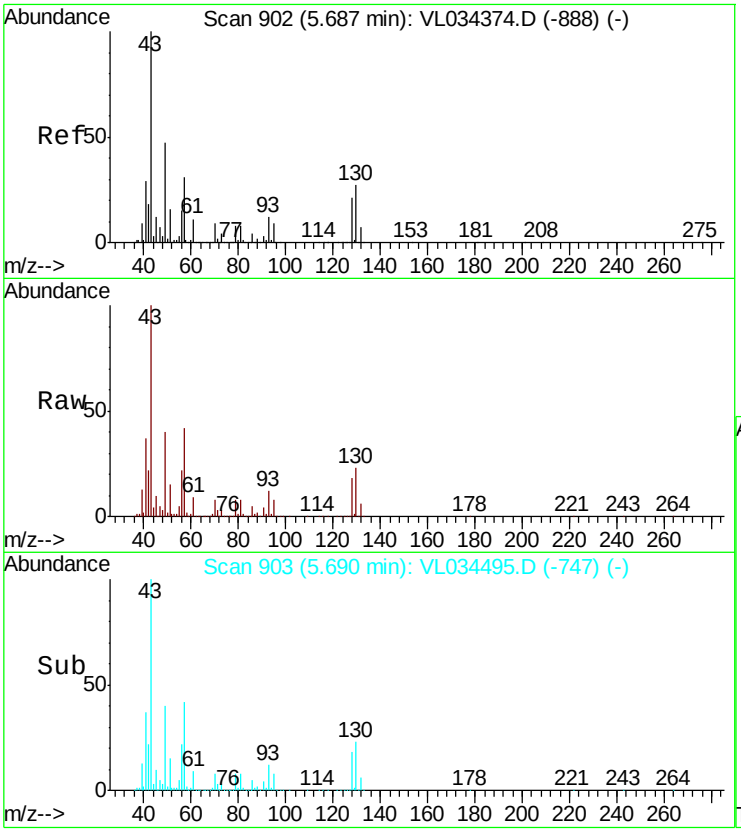


#24
1,1-Dichloroethane
Concen: 8.599 ppbv
RT: 5.01 min Scan# 693
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 63 Resp: 1188909

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.6	1.4	4.0



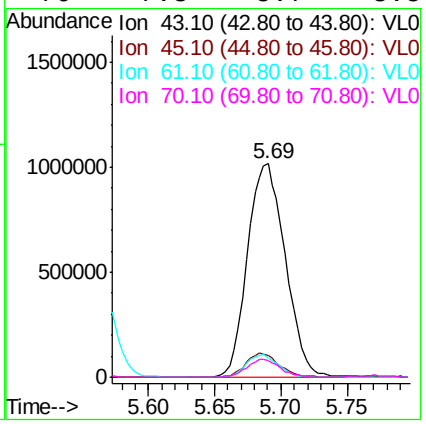


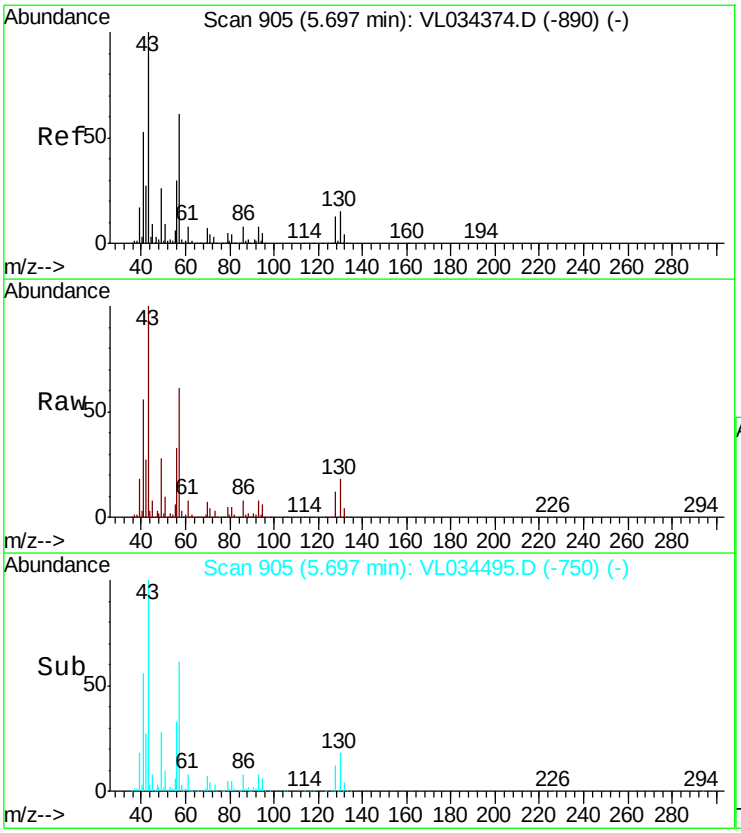
#25
Ethyl Acetate
Concen: 8.155 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 43 Resp: 2005099

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.2	7.5	11.3
70	7.3	5.7	8.5

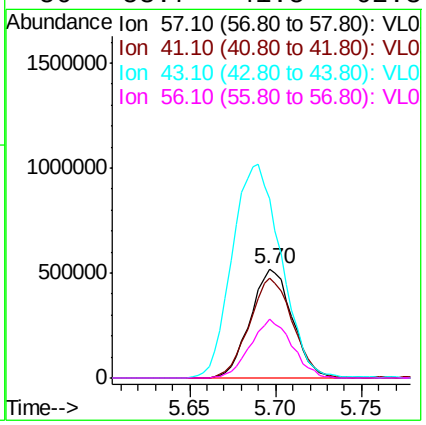


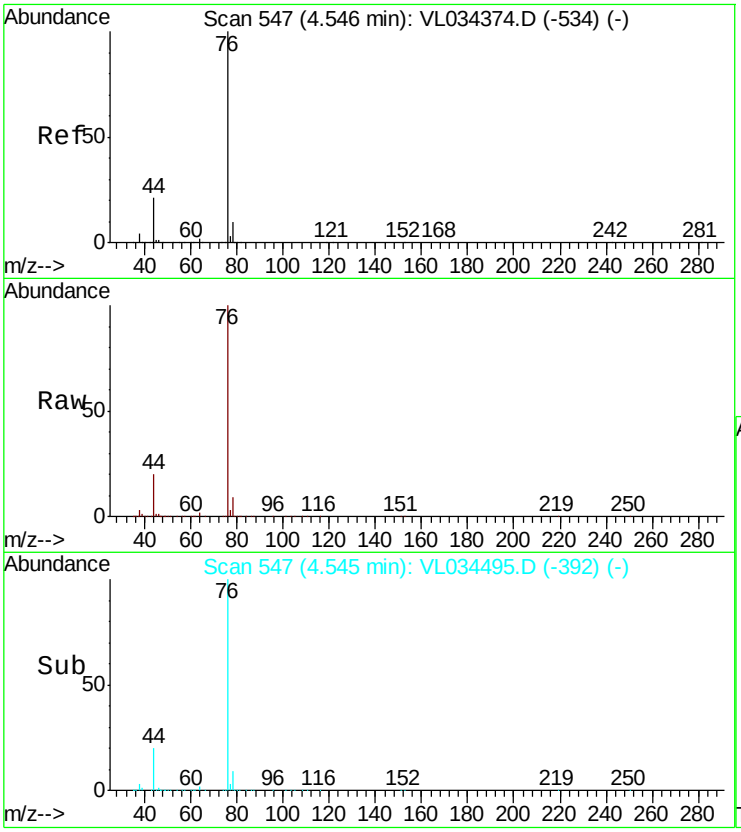


#26
Hexane
Concen: 8.275 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 57 Resp: 874324

Ion	Ratio	Lower	Upper
57	100		
41	95.7	75.0	112.4
43	231.1	186.6	279.8
56	53.7	41.5	62.3



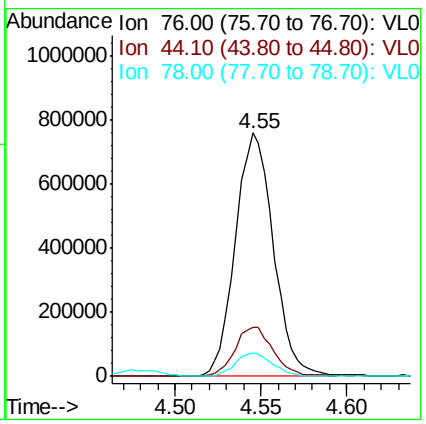


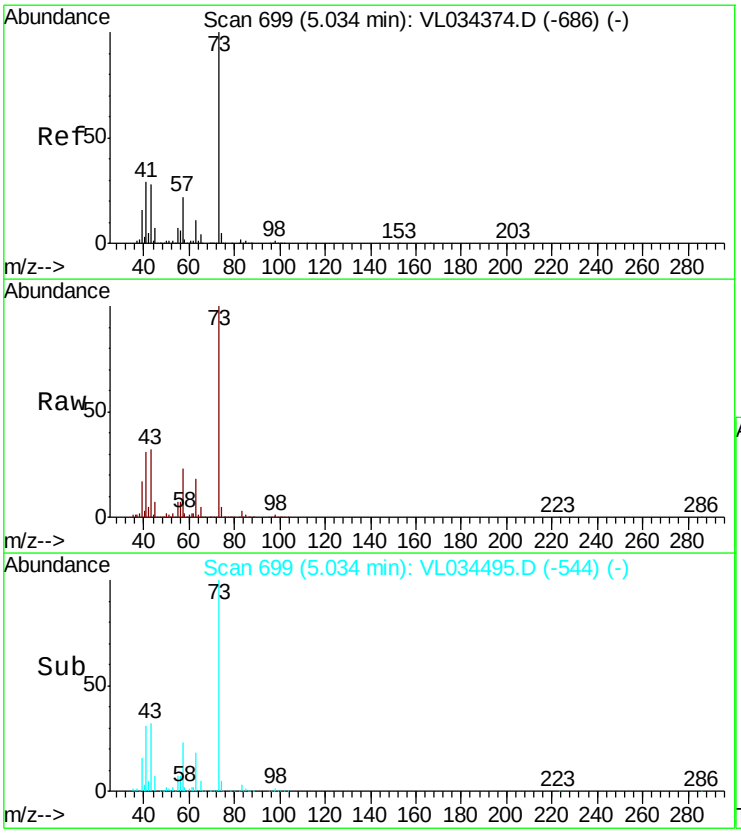
#27
Carbon Disulfide
Concen: 10.129 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 76 Resp: 1165620

Ion	Ratio	Lower	Upper
76	100		
44	20.7	17.0	25.4
78	9.4	7.6	11.4

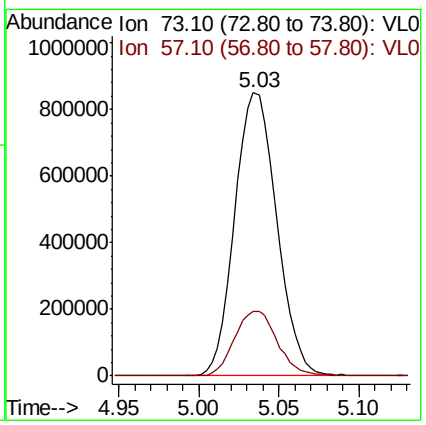


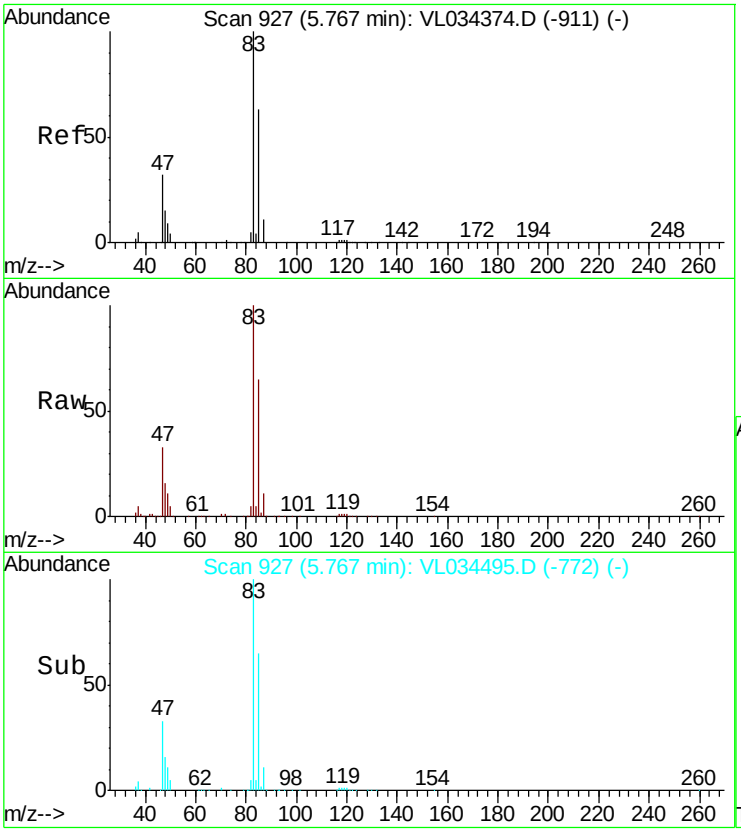


#28
Methyl tert-Butyl Ether
Concen: 8.684 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 73 Resp: 1521436

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.4	27.6



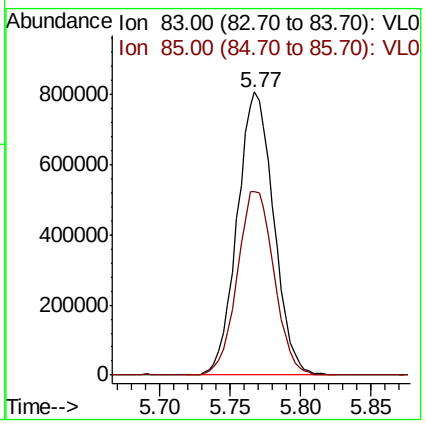


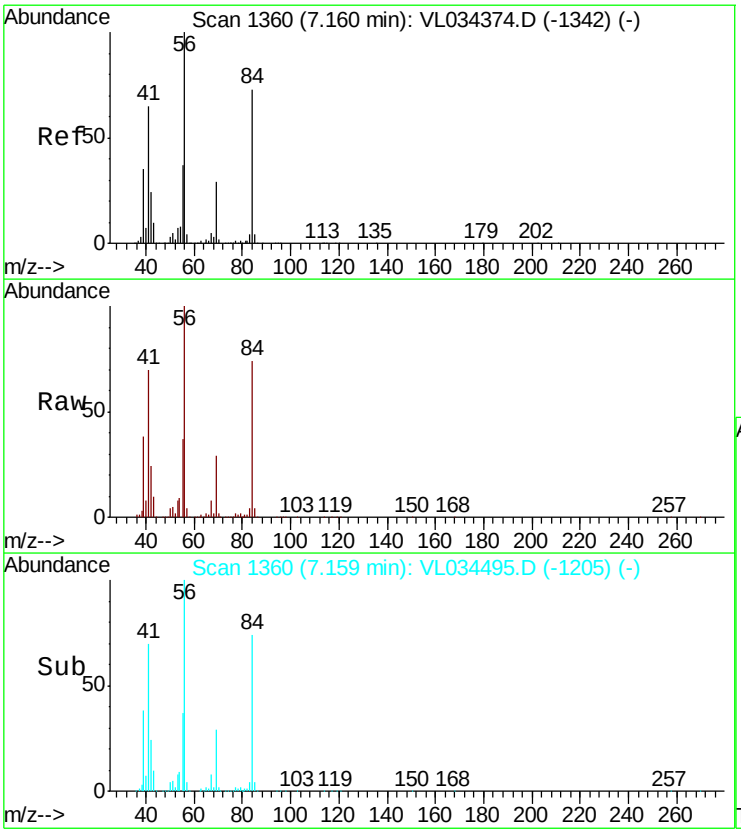
#29
Chloroform
Concen: 8.531 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 83 Resp: 1459535

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.4	75.6

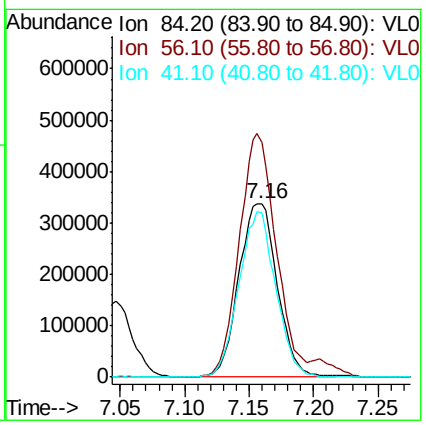


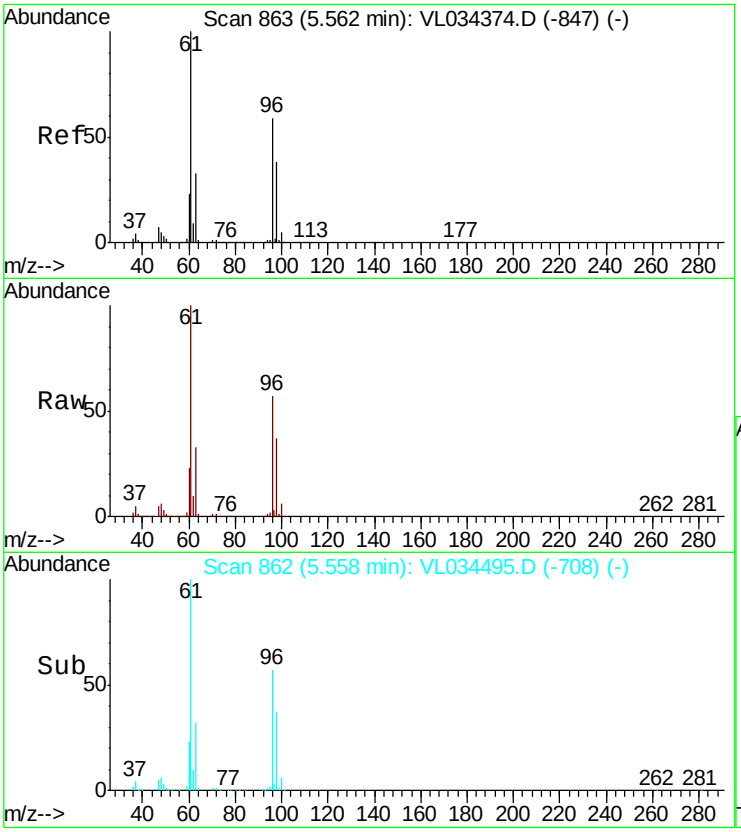


#30
Cyclohexane
Concen: 8.800 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 84 Resp: 702853

Ion	Ratio	Lower	Upper
84	100		
56	140.9	112.6	169.0
41	91.3	73.4	110.2



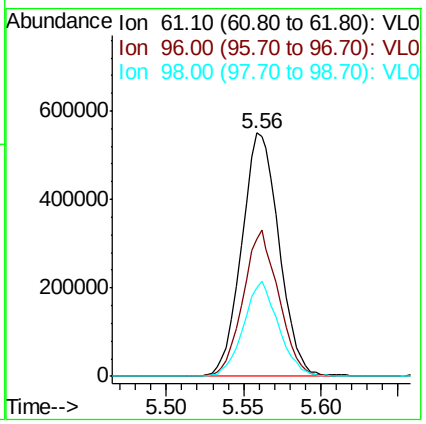


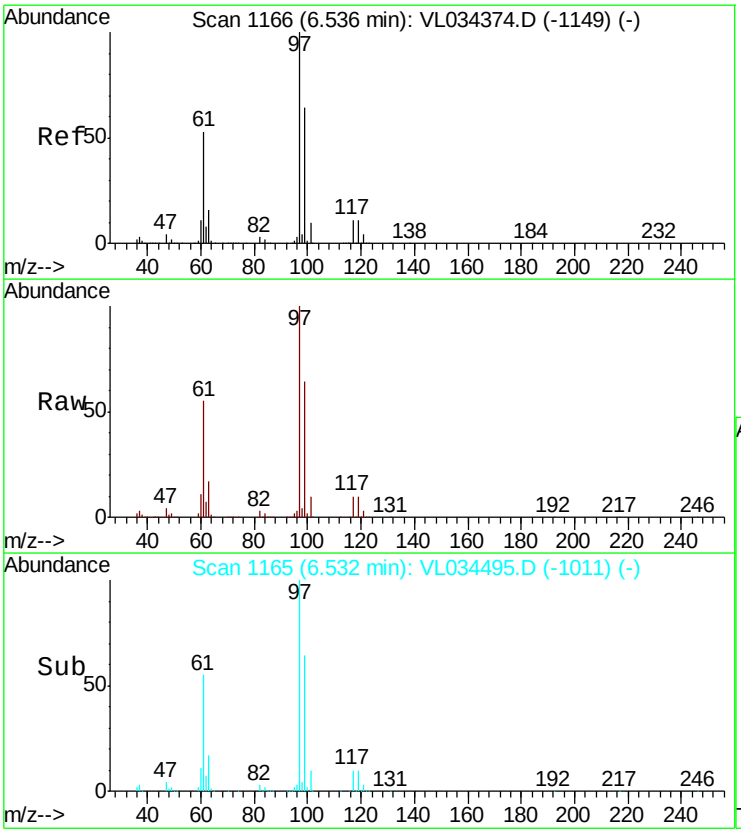
#31
cis-1,2-Dichloroethene
Concen: 8.463 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 61 Resp: 923948

Ion	Ratio	Lower	Upper
61	100		
96	56.6	47.4	71.2
98	36.6	30.6	45.8

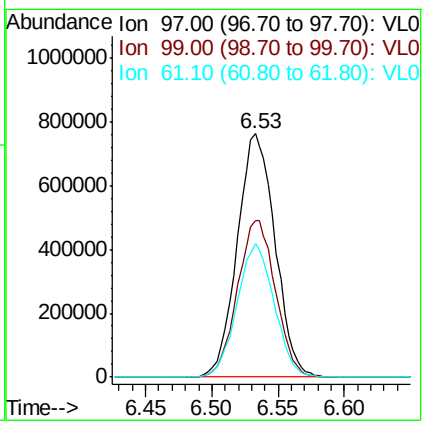


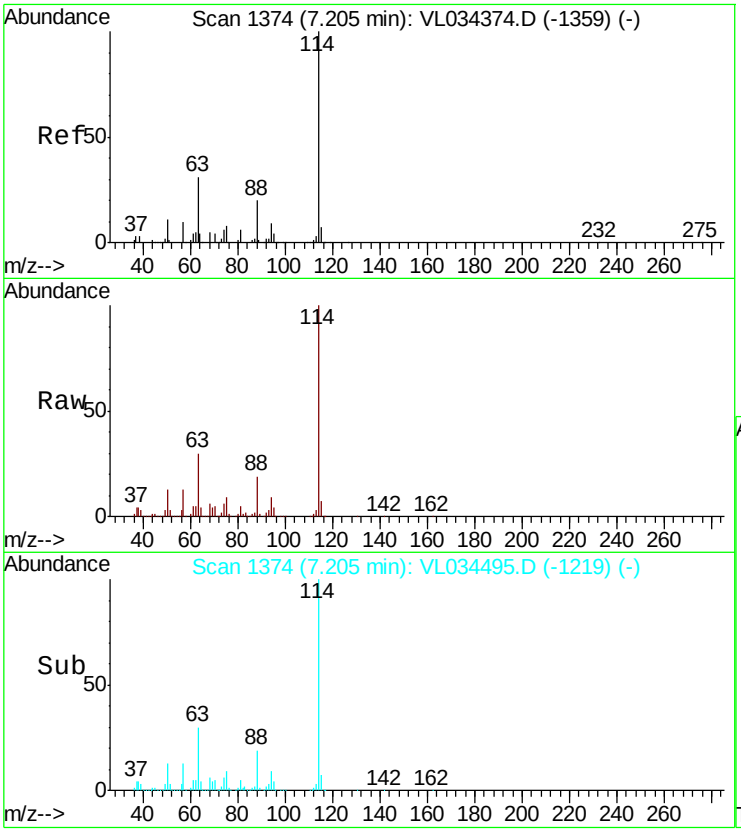


#32
1,1,1-Trichloroethane
Concen: 9.418 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 97 Resp: 1510767

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.3	78.5
61	54.1	43.7	65.5



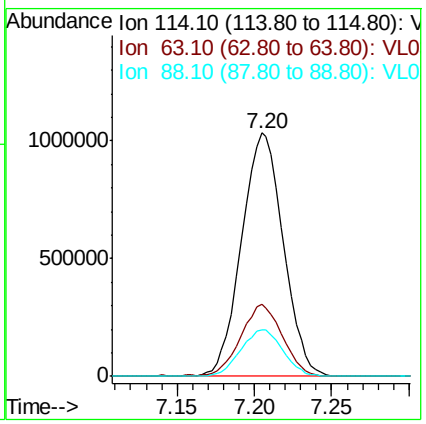


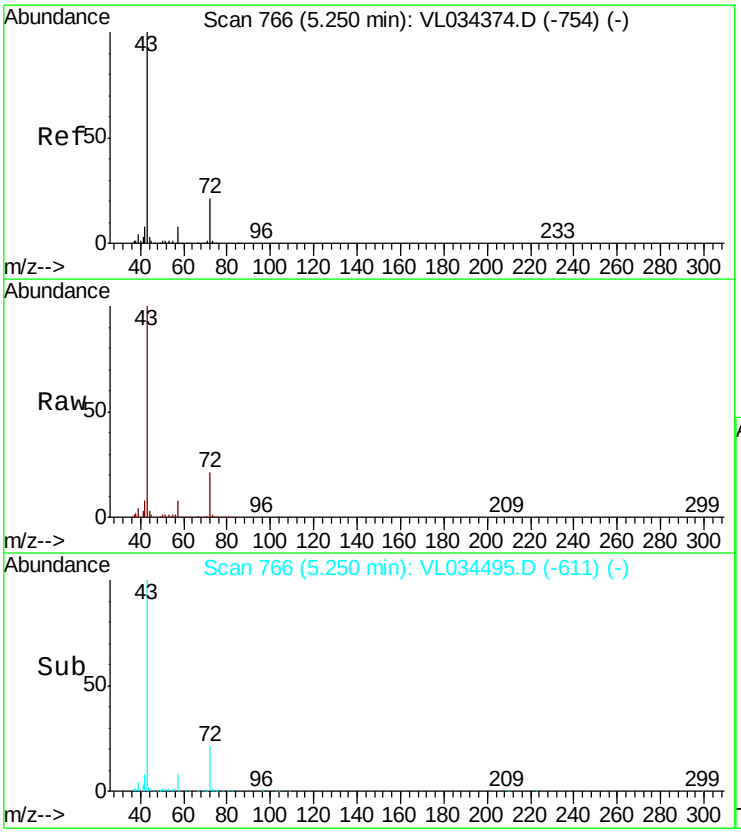
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:114 Resp: 1939772

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.4	15.9	23.9

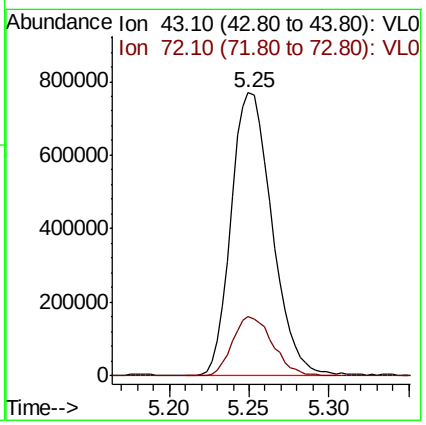


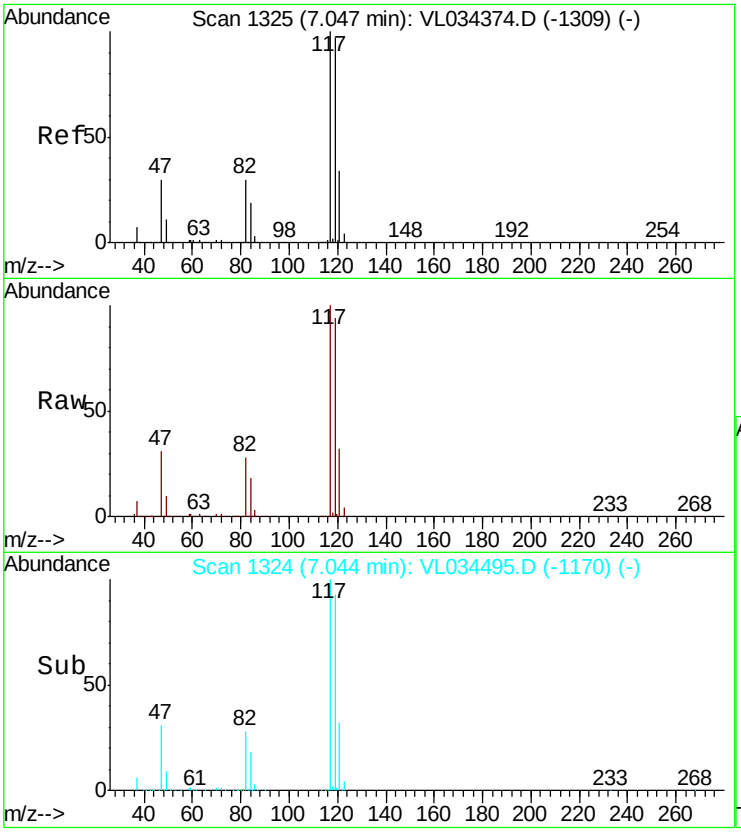


#34
2-Butanone
Concen: 8.362 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 43 Resp: 1335145

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.0	25.6



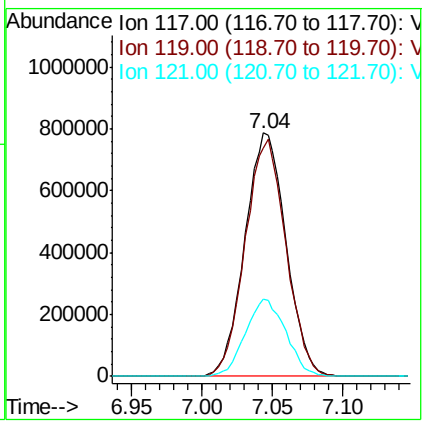


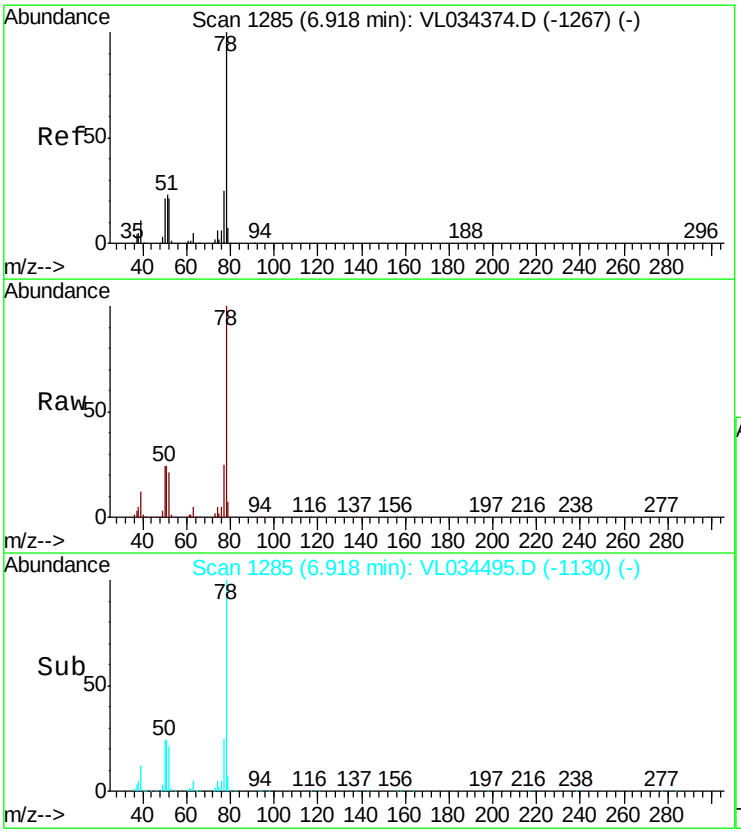
#35
Carbon Tetrachloride
Concen: 9.610 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:117 Resp: 1602782

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.3	115.9
121	31.8	27.4	41.2

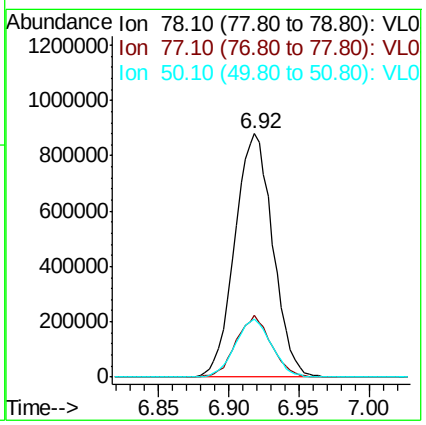


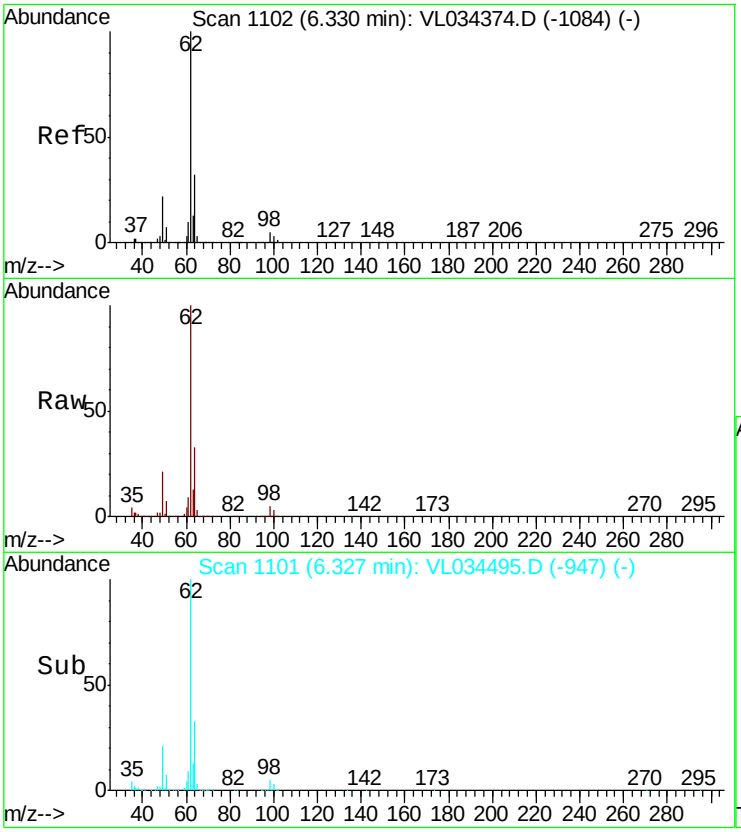


#36
Benzene
Concen: 8.568 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 78 Resp: 1661434

Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.2	30.4
50	24.0	17.1	25.7



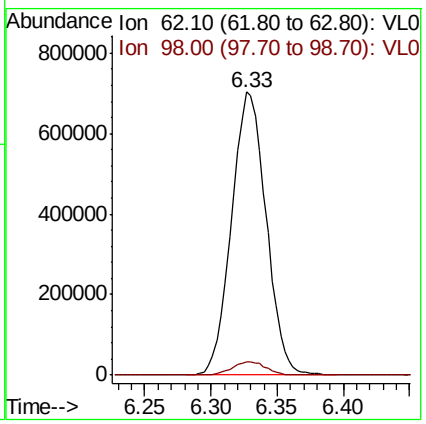


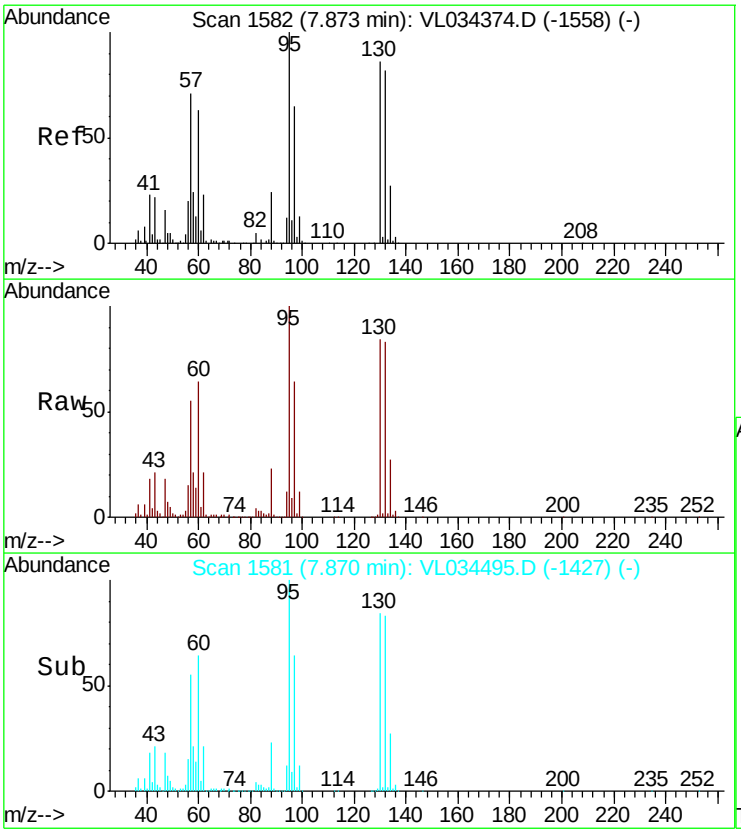
#37
1,2-Dichloroethane
Concen: 8.845 ppbv
RT: 6.33 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 62 Resp: 1274147

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.8

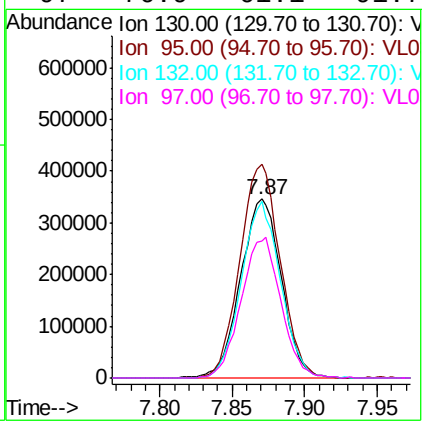


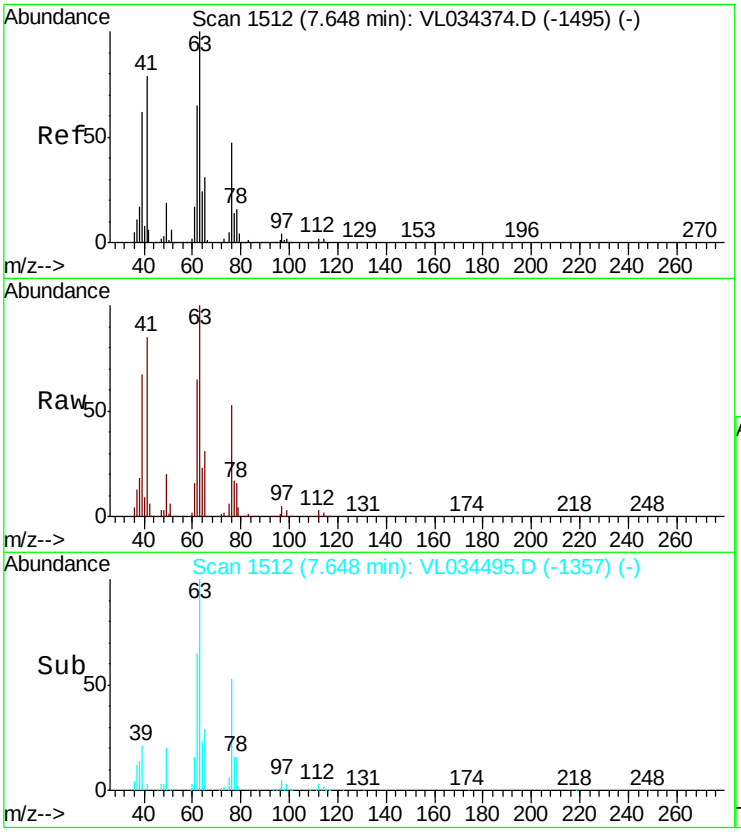


#38
Trichloroethene
Concen: 8.423 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:130 Resp: 670247

Ion	Ratio	Lower	Upper
130	100		
95	119.6	93.4	140.0
132	98.8	76.4	114.6
97	76.9	61.1	91.7



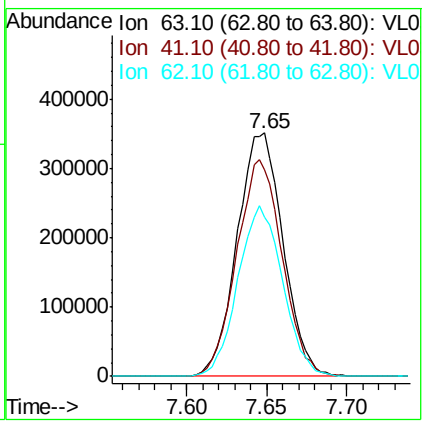


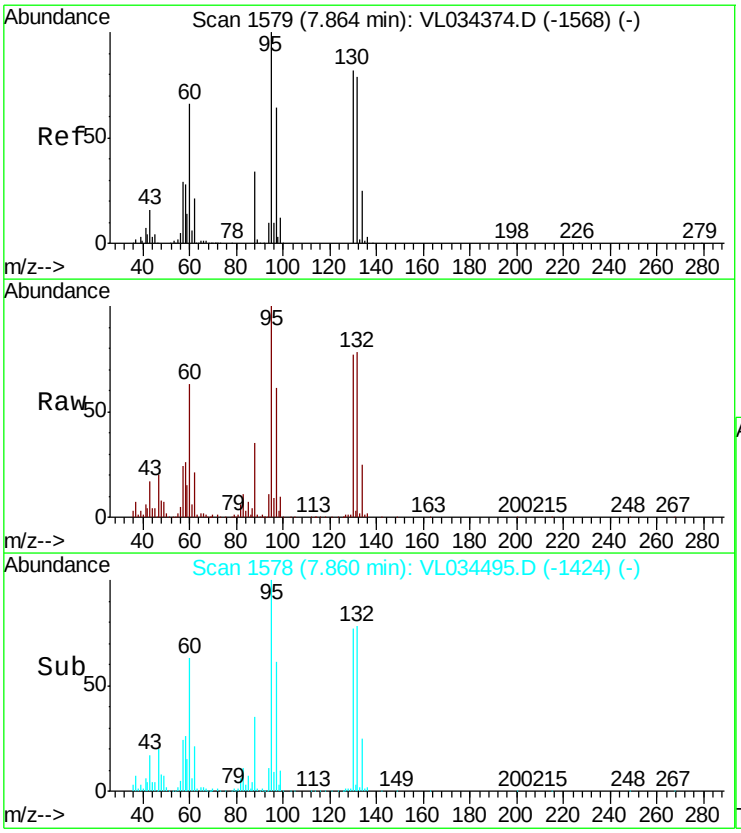
#39
1,2-Dichloropropane
Concen: 9.165 ppbv
RT: 7.65 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 63 Resp: 684694

Ion	Ratio	Lower	Upper
63	100		
41	84.6	63.1	94.7
62	65.1	52.3	78.5

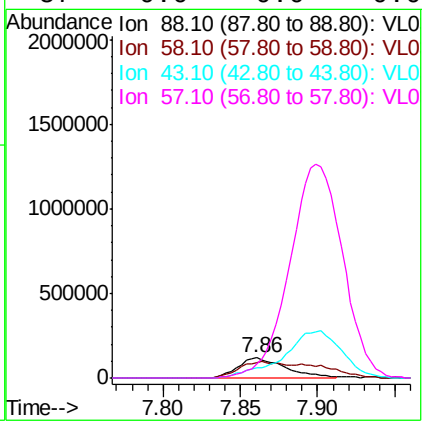


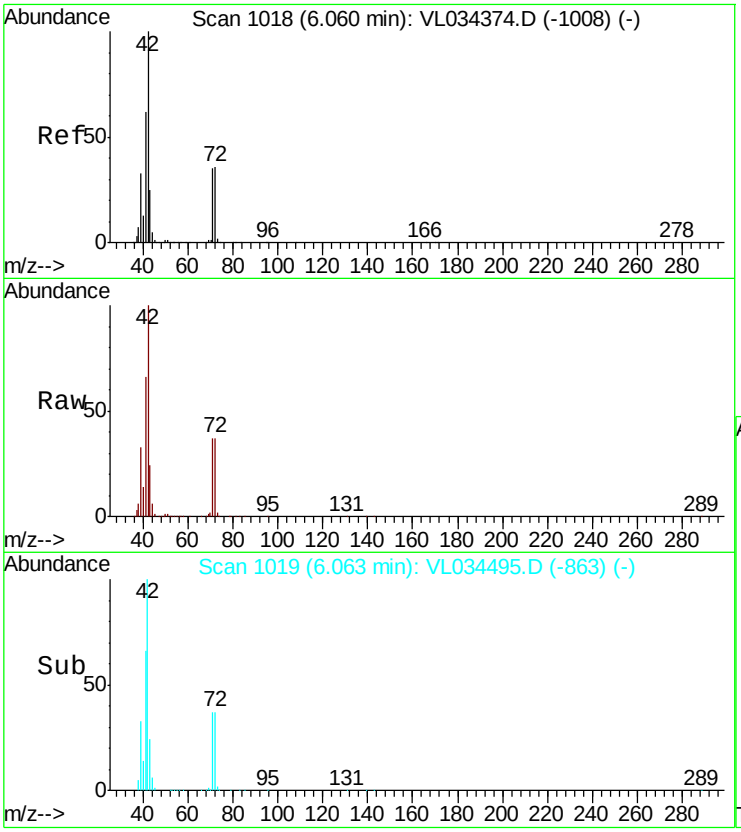


#40
1,4-Dioxane
Concen: 7.771 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 88 Resp: 253601

Ion	Ratio	Lower	Upper
88	100		
58	139.6	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0



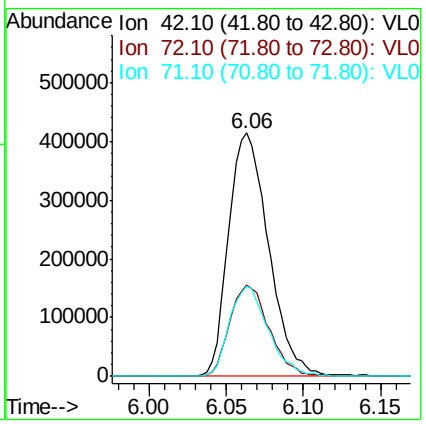


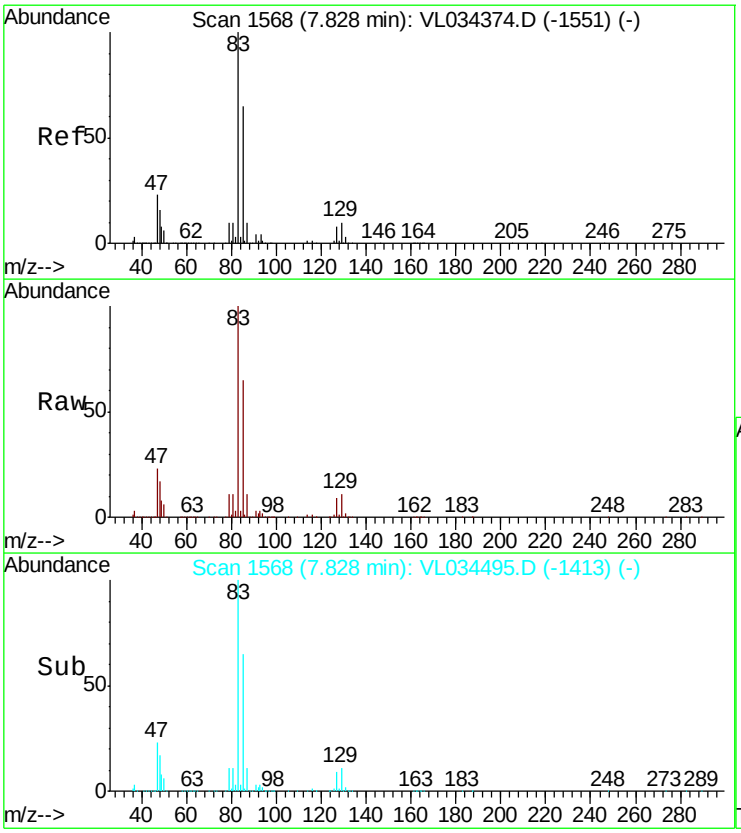
#41
Tetrahydrofuran
Concen: 8.313 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 42 Resp: 744442

Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.2	45.4
71	36.1	29.4	44.2

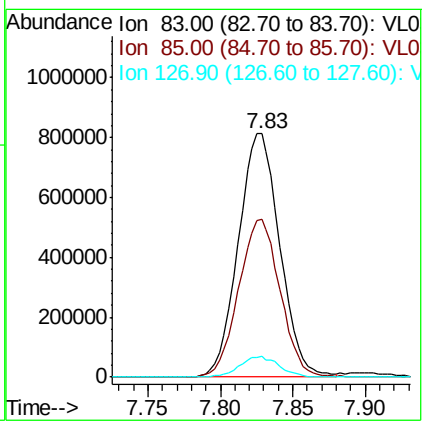


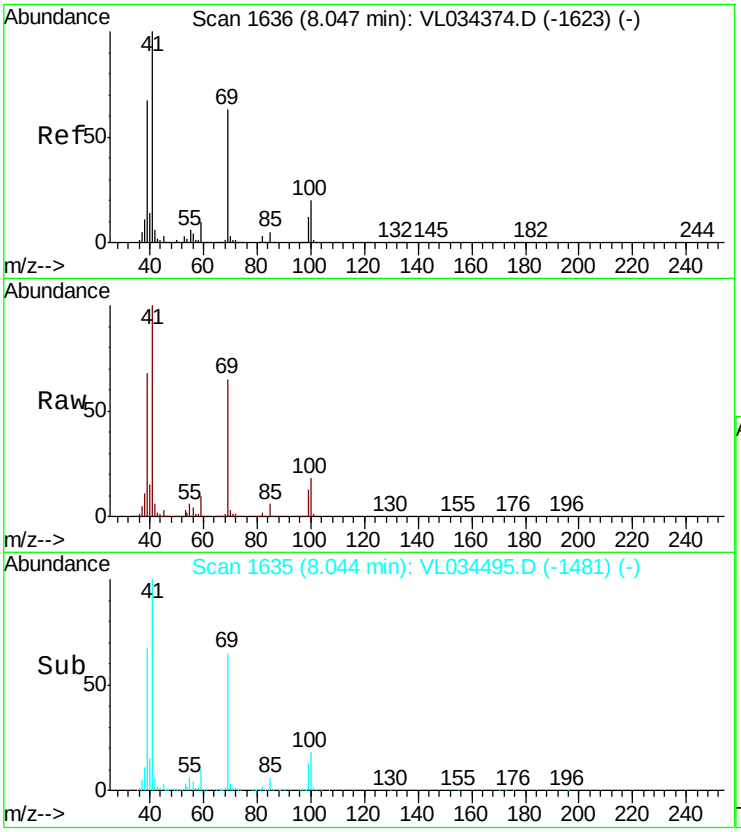


#42
Bromodichloromethane
Concen: 8.979 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 83 Resp: 1617667

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5
127	8.7	6.1	9.1



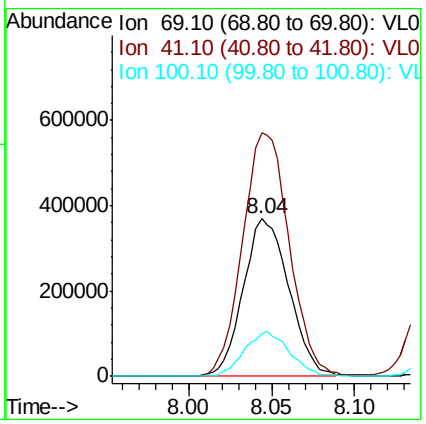


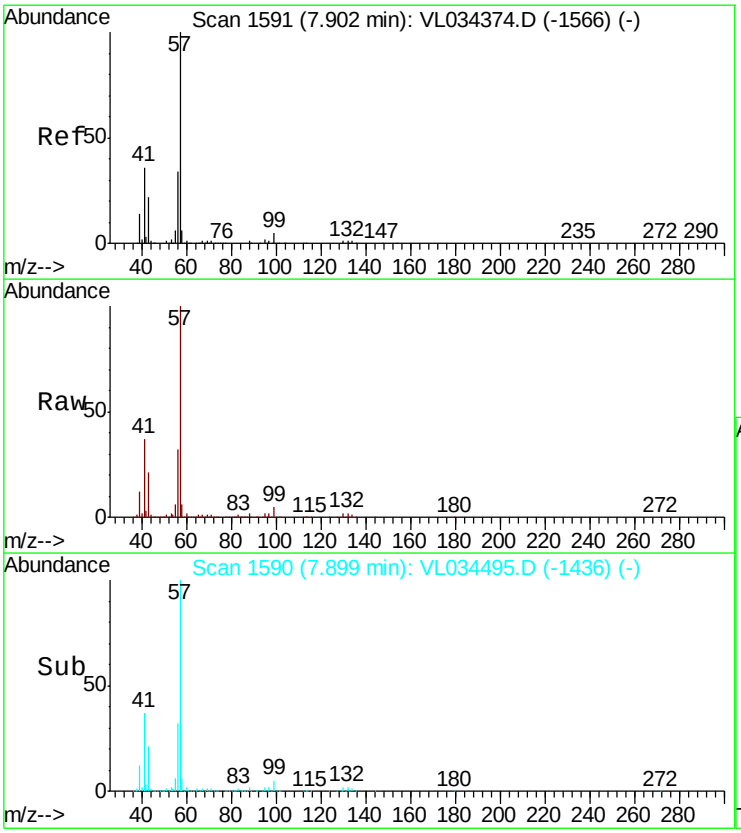
#43
Methyl Methacrylate
Concen: 8.817 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 69 Resp: 709129

Ion	Ratio	Lower	Upper
69	100		
41	157.9	127.4	191.2
100	28.4	24.2	36.4

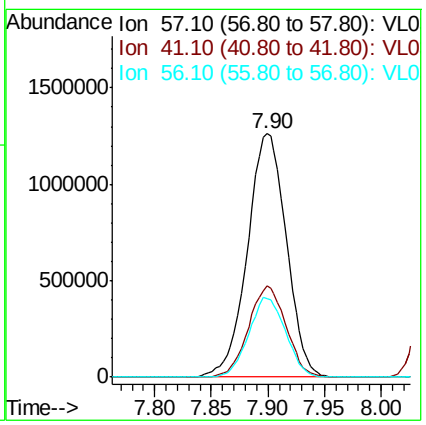


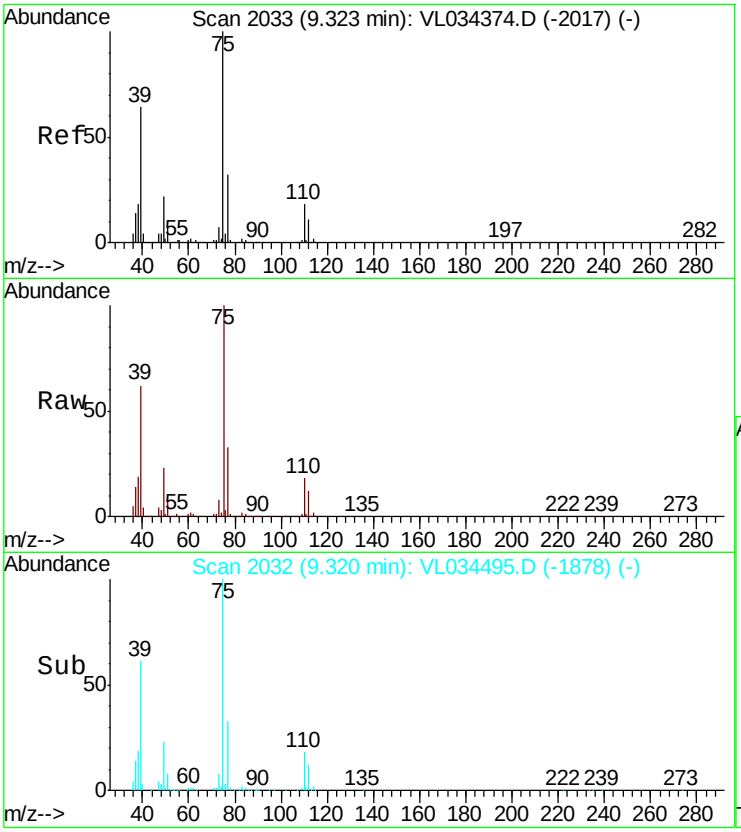


#44
2,2,4-Trimethylpentane
Concen: 8.509 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 57 Resp: 3015327

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.6	42.8
56	31.1	25.3	37.9



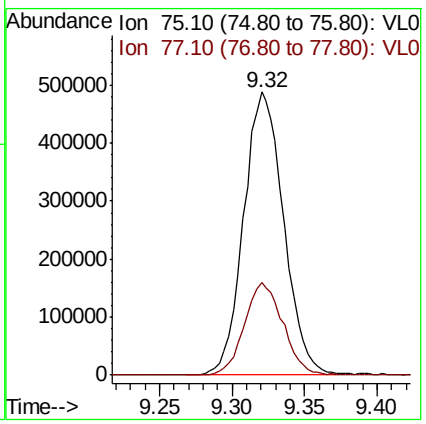


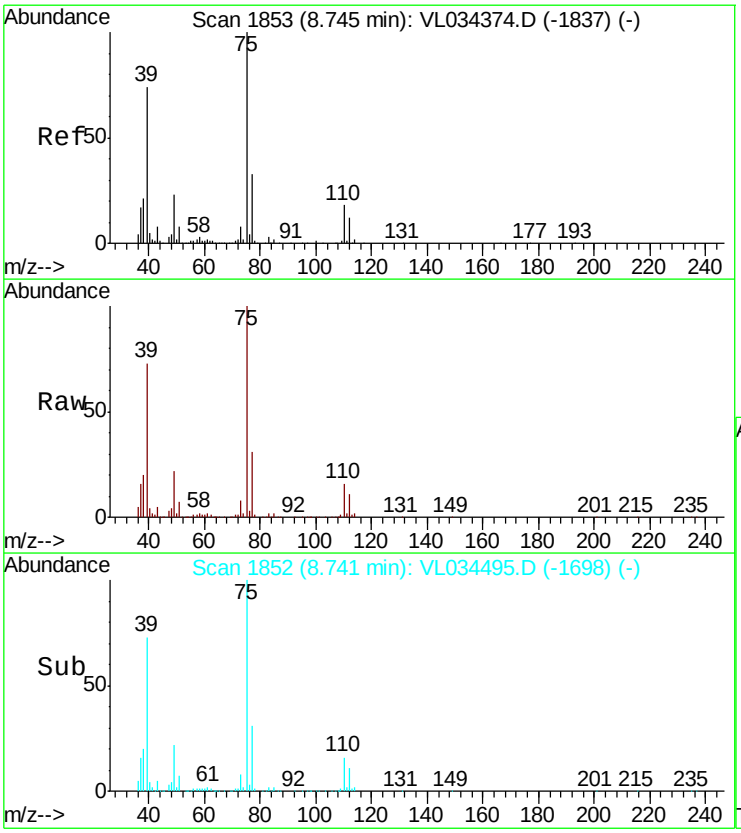
#45
t-1,3-Dichloropropene
Concen: 9.075 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion: 75 Resp: 936051

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.2

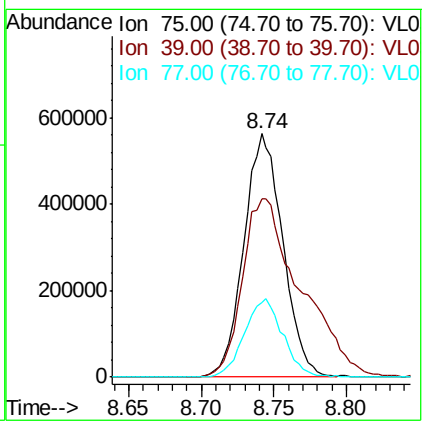


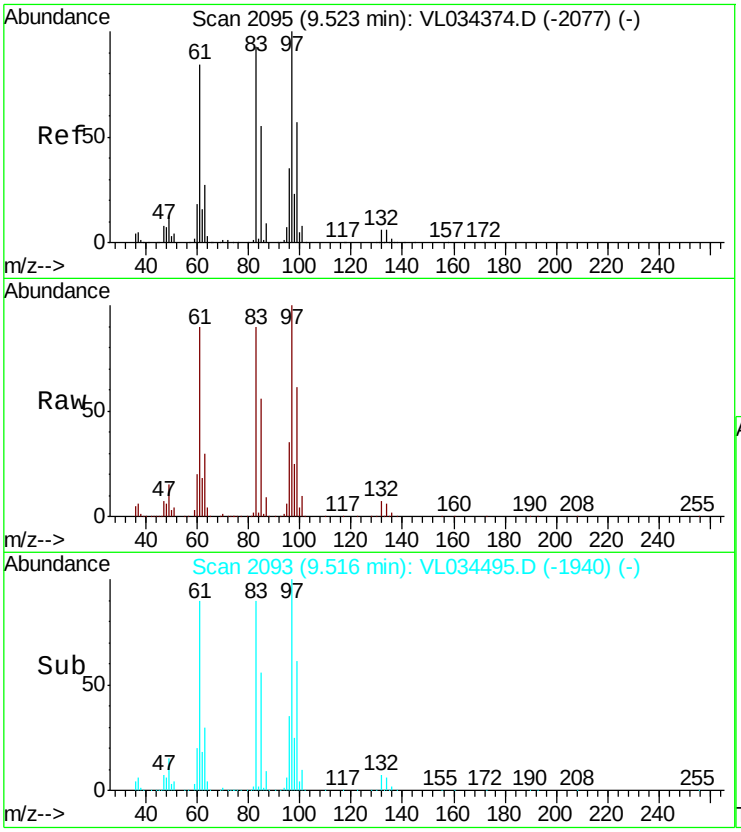


#46
cis-1,3-Dichloropropene
Concen: 9.091 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 75 Resp: 1053290

Ion	Ratio	Lower	Upper
75	100		
39	73.0	59.0	88.6
77	30.7	26.4	39.6



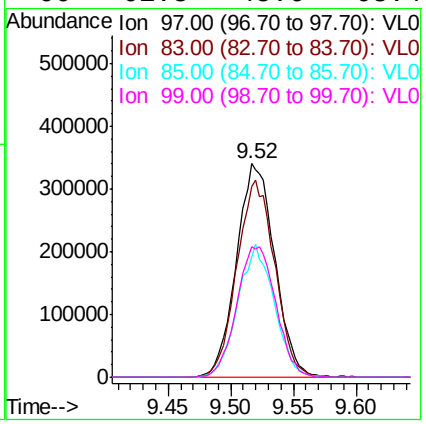


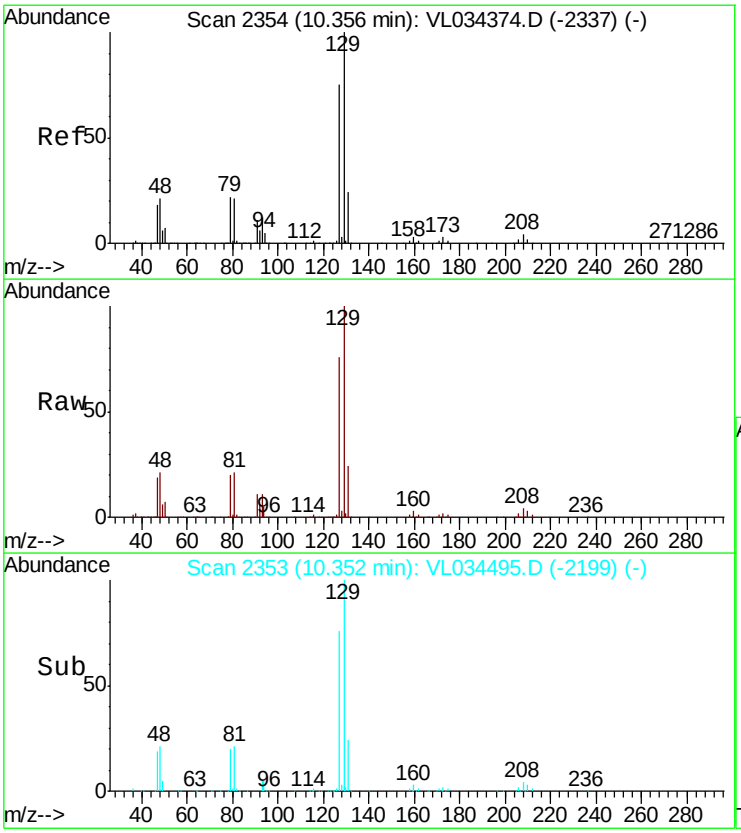
#47
1,1,2-Trichloroethane
Concen: 8.684 ppbv
RT: 9.52 min Scan# 2093
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 97 Resp: 721687

Ion	Ratio	Lower	Upper
97	100		
83	89.6	74.6	112.0
85	56.5	43.8	65.8
99	61.3	45.6	68.4

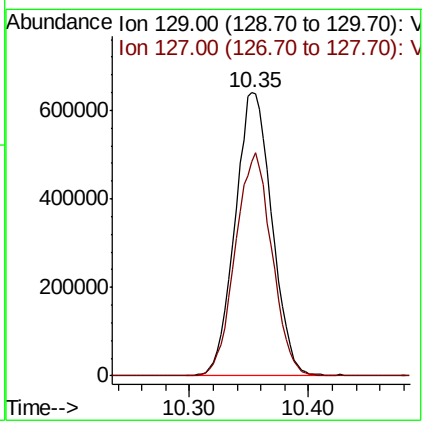


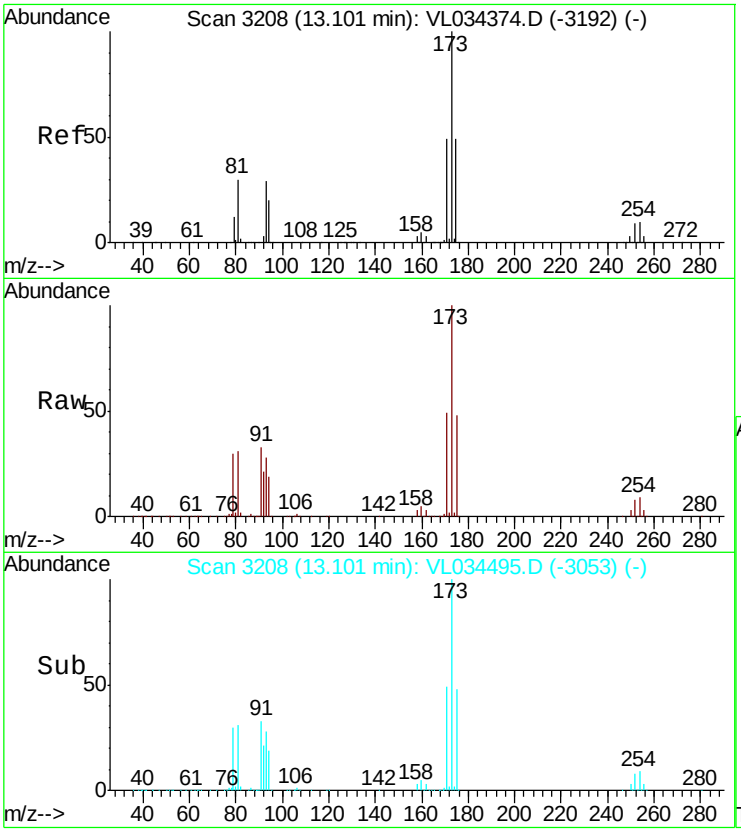


#48
Dibromochloromethane
Concen: 9.610 ppbv
RT: 10.35 min Scan# 2353
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:129 Resp: 1371199

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5



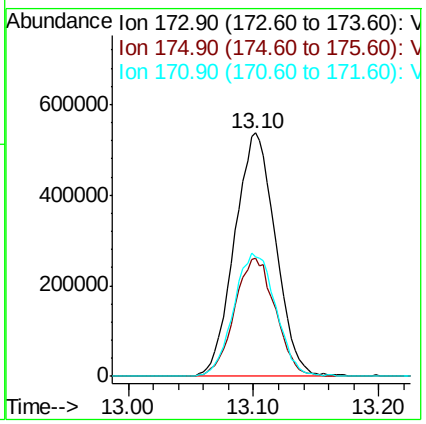


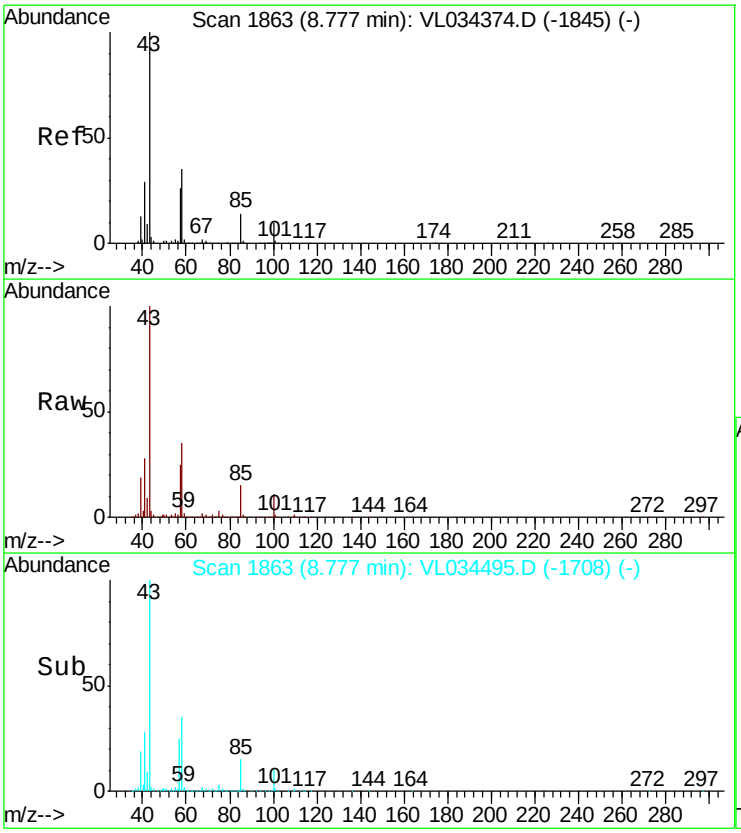
#49
Bromoform
Concen: 9.575 ppbv
RT: 13.10 min Scan# 3208
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:173 Resp: 1219511

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.3	58.9
171	51.9	42.4	63.6

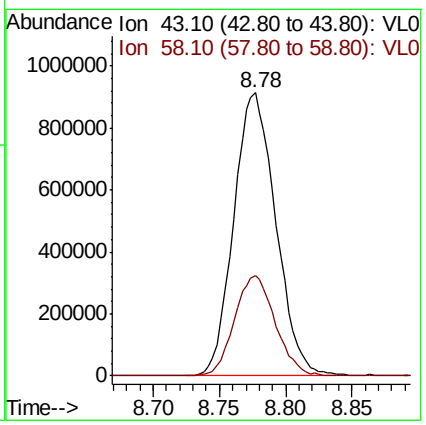


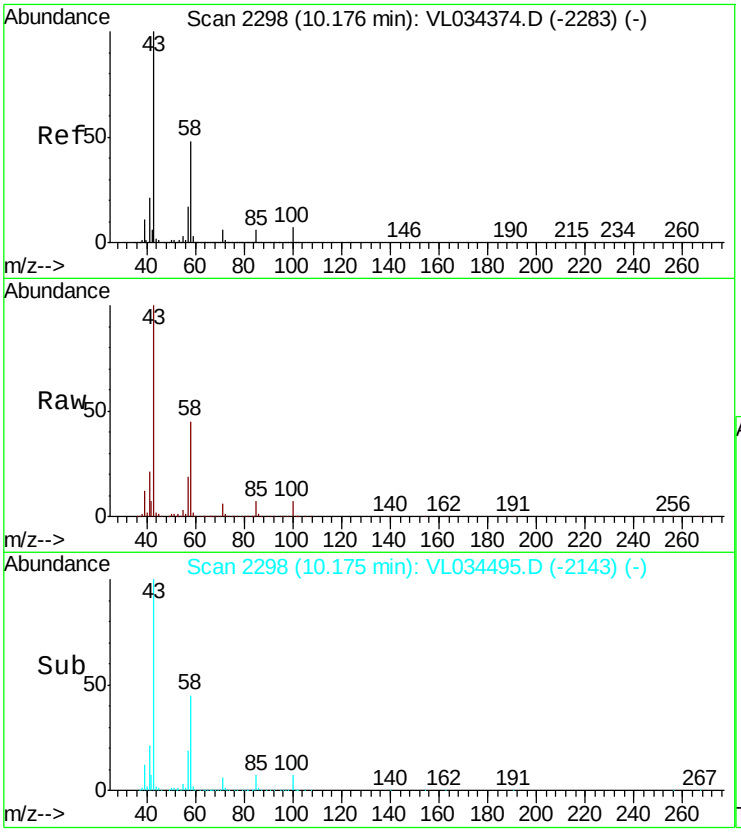


#50
4-Methyl-2-Pentanone
Concen: 8.714 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 43 Resp: 2013144

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.9	41.9



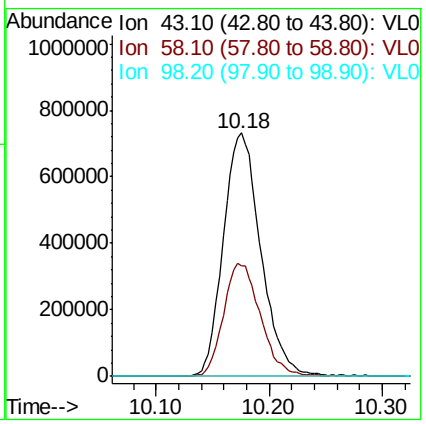


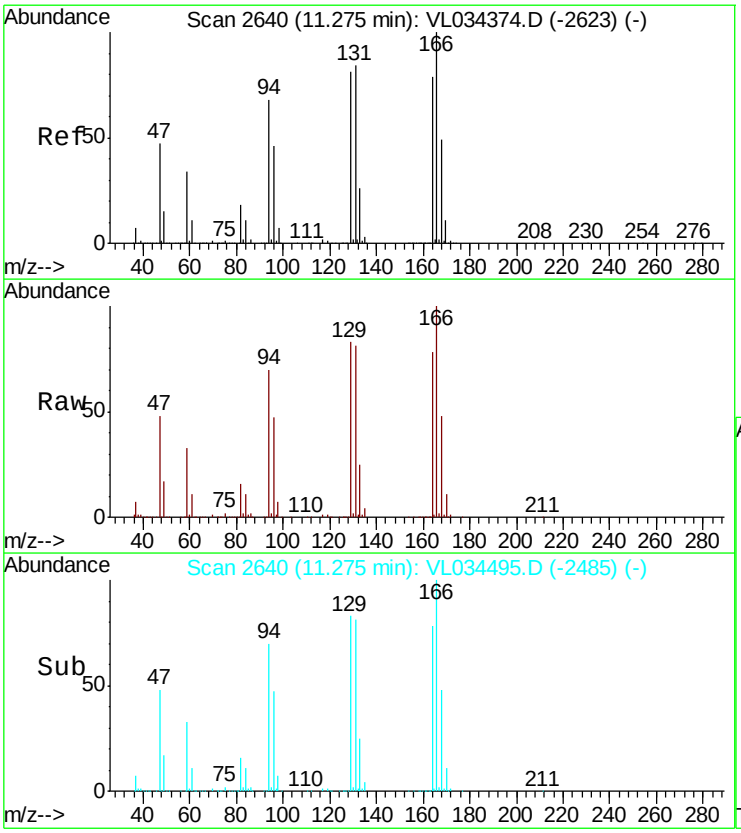
#51
2-Hexanone
Concen: 8.699 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 43 Resp: 1683273

Ion	Ratio	Lower	Upper
43	100		
58	45.9	38.2	57.4
98	0.2	0.2	0.2

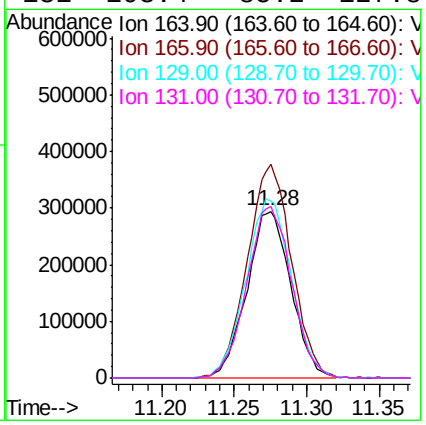


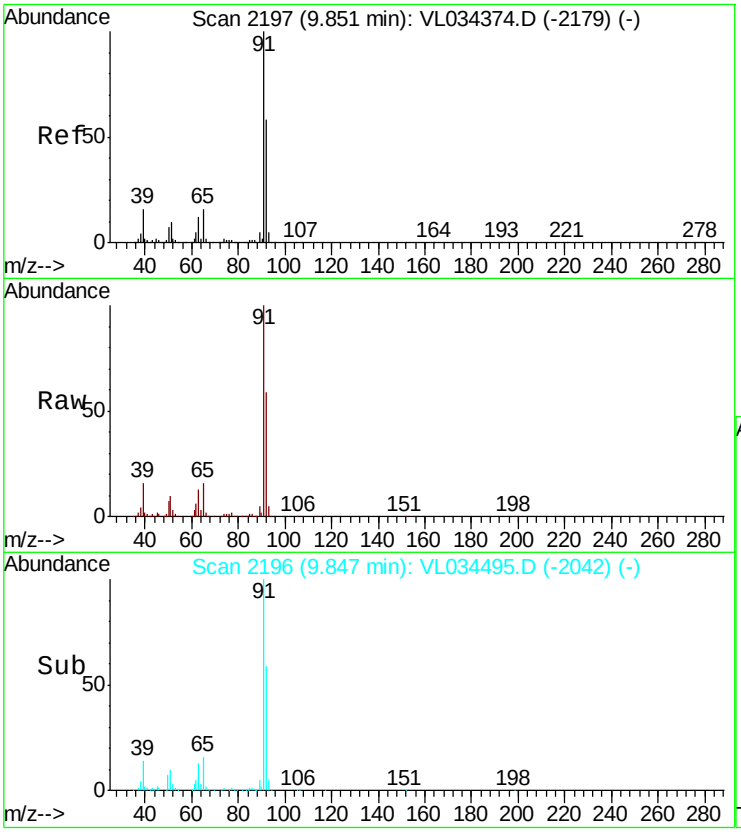


#52
Tetrachloroethene
Concen: 7.412 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:164 Resp: 621876

Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.7	152.5
129	106.1	82.6	123.8
131	103.4	85.2	127.8



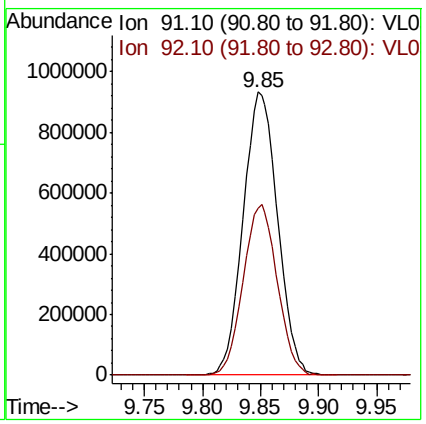


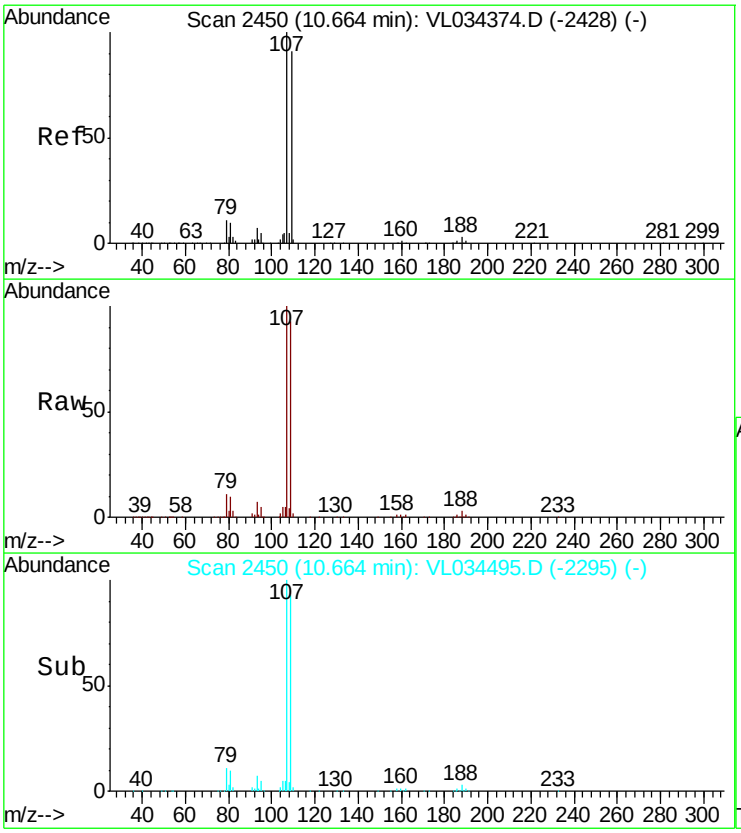
#53
Toluene
Concen: 8.760 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 91 Resp: 1929413

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.9	71.9

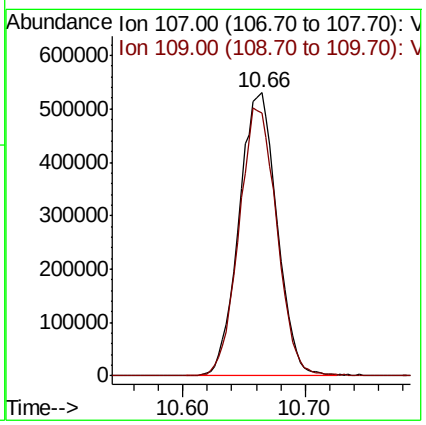


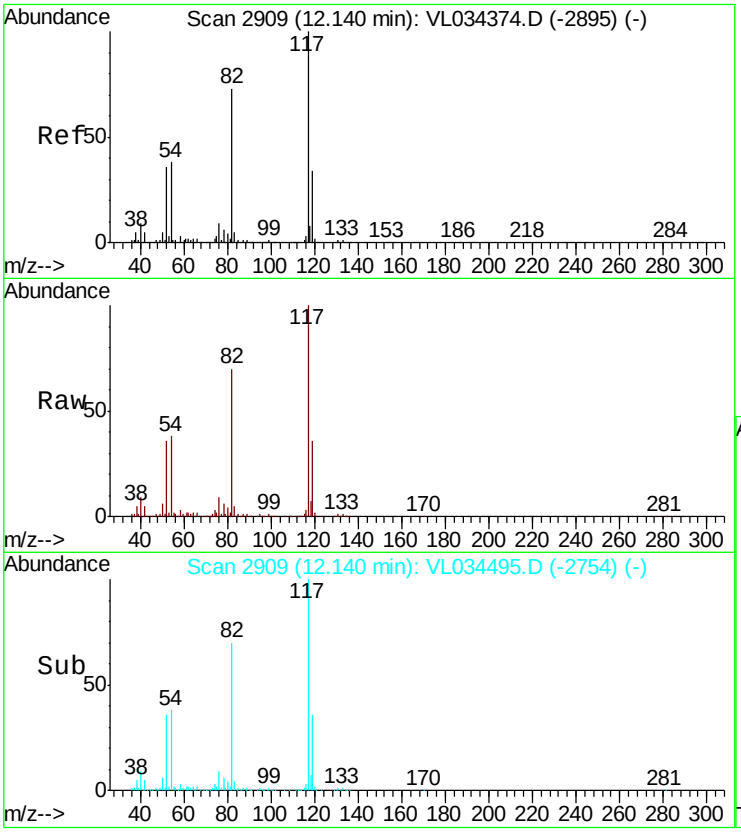


#54
1,2-Dibromoethane
Concen: 8.926 ppbv
RT: 10.66 min Scan# 2450
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:107 Resp: 1137155

Ion	Ratio	Lower	Upper
107	100		
109	93.0	73.0	109.4



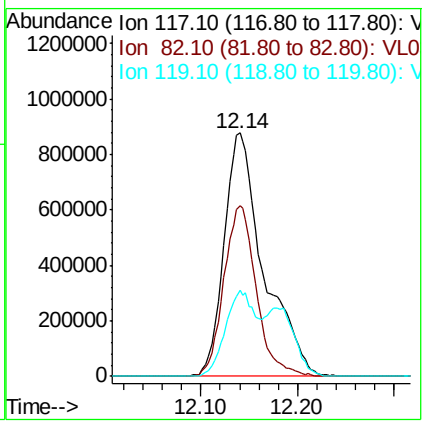


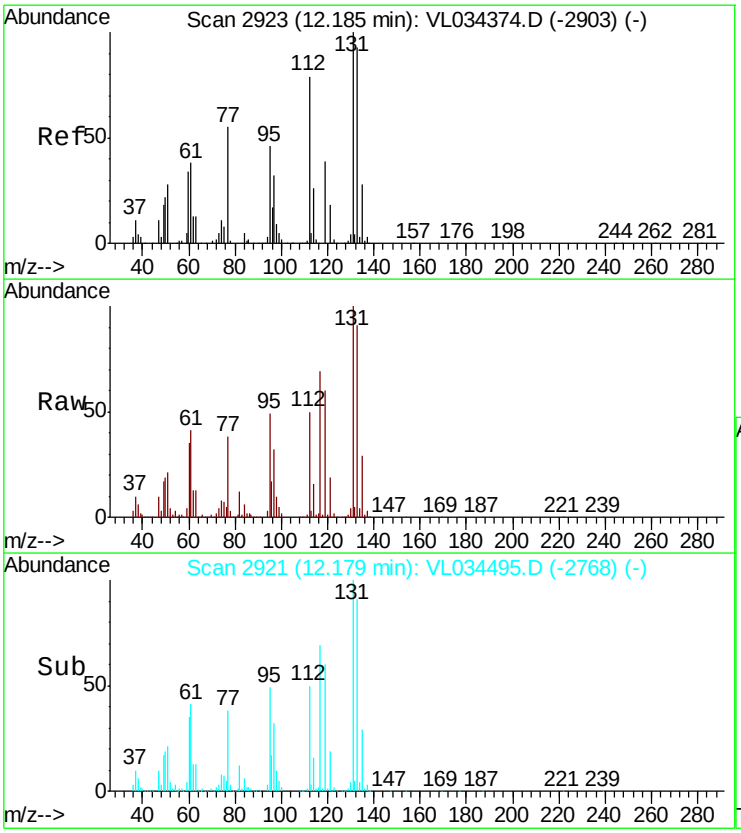
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:117 Resp: 2491716

Ion	Ratio	Lower	Upper
117	100		
82	57.6	57.5	86.3
119	25.8	25.4	38.2

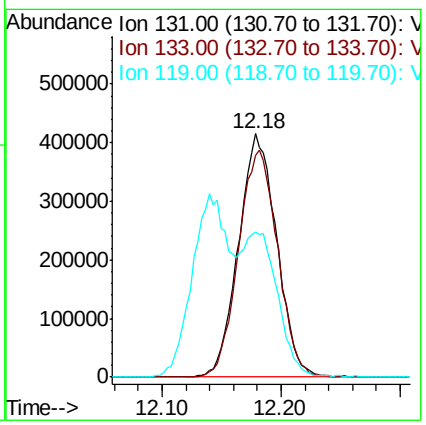


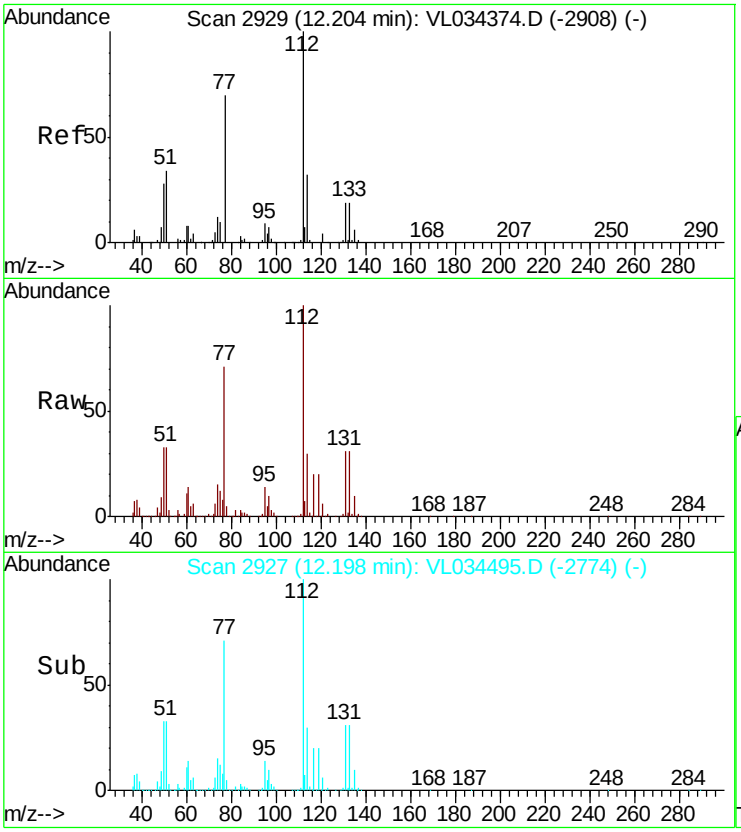


#56
1,1,1,2-Tetrachloroethane
Concen: 7.542 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:131 Resp: 919241

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.2	114.2
119	51.6	44.6	67.0



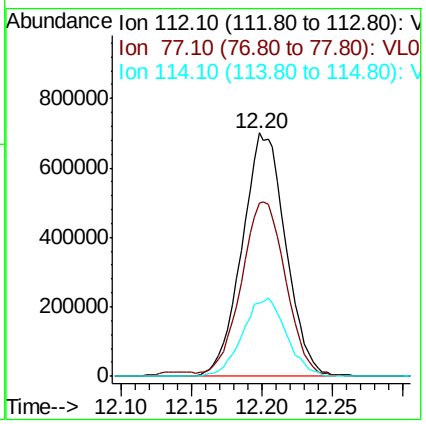


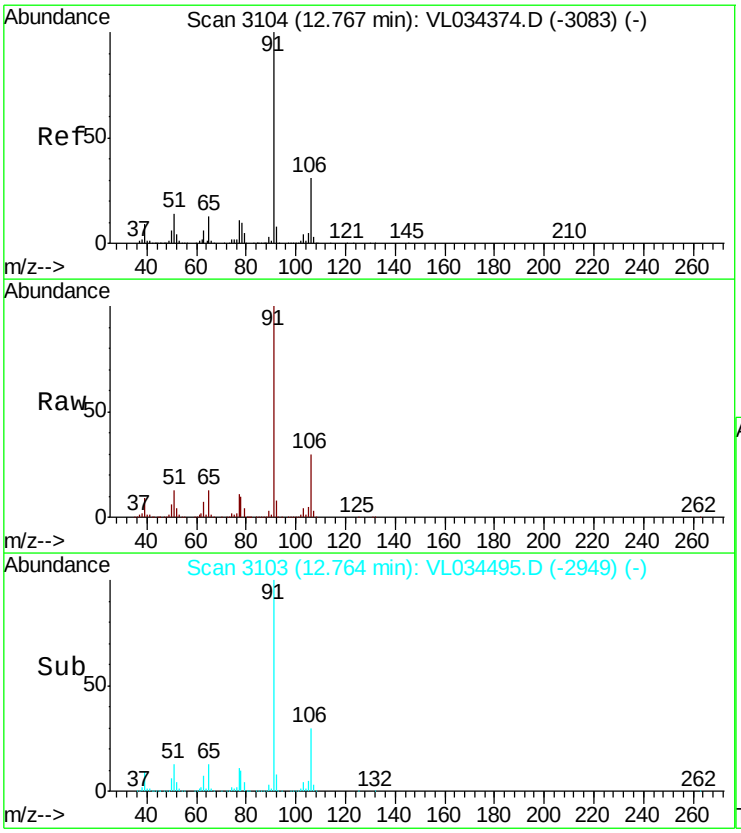
#57
Chlorobenzene
Concen: 6.730 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:112 Resp: 1515941

Ion	Ratio	Lower	Upper
112	100		
77	70.8	57.1	85.7
114	30.0	28.5	34.9

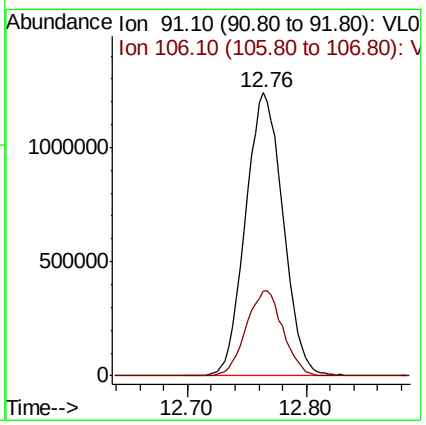


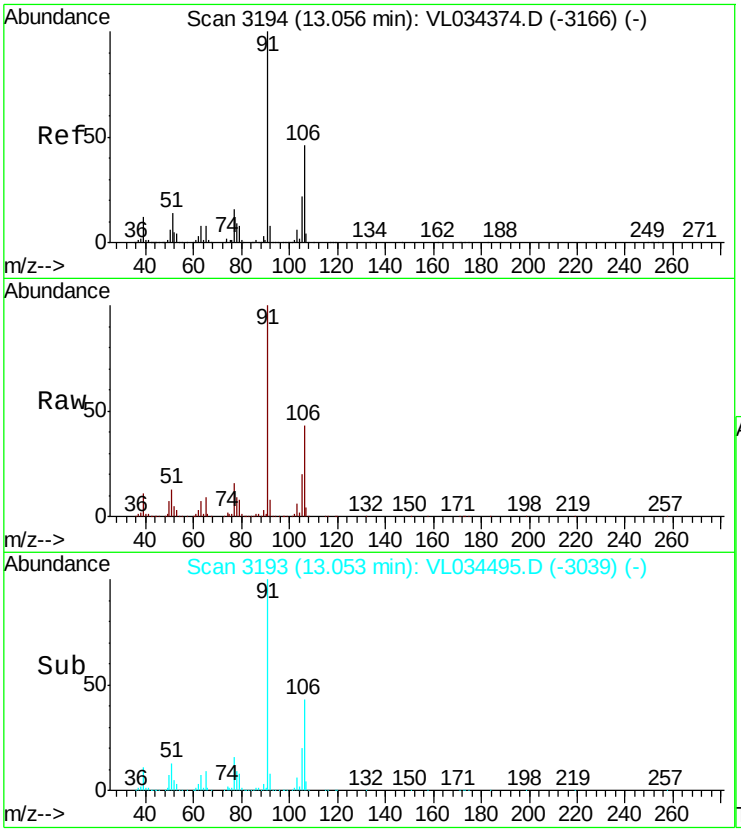


#58
Ethyl Benzene
Concen: 6.996 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 2705277

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.8	37.2



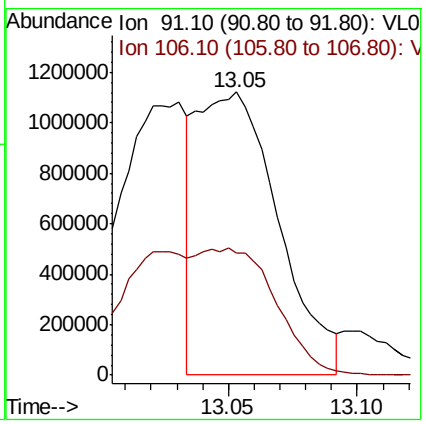


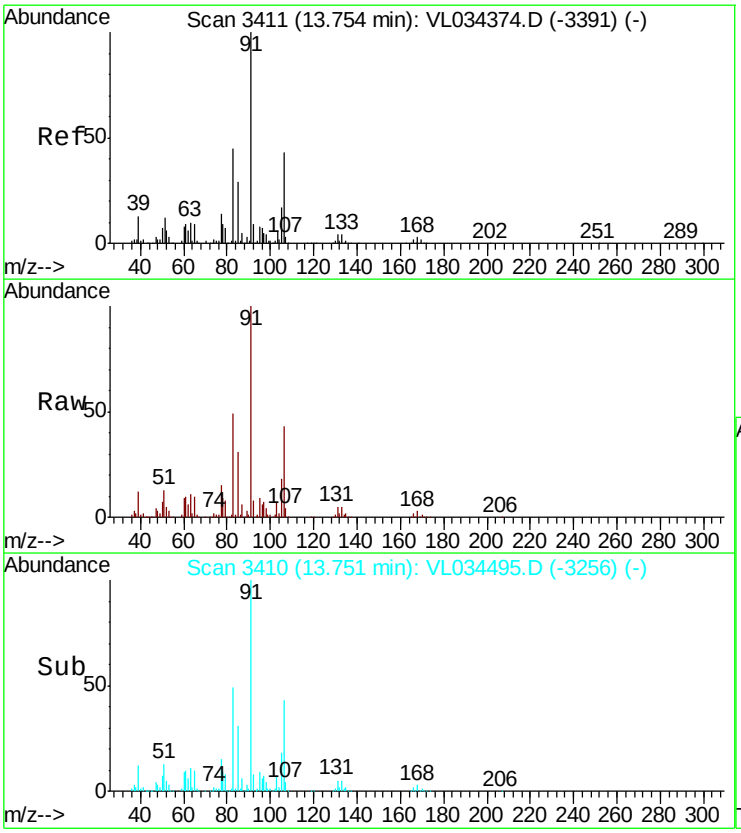
#59
m/p-Xylene
Concen: 7.341 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 91 Resp: 2453667

Ion	Ratio	Lower	Upper
91	100		
106	81.4	34.6	51.8#

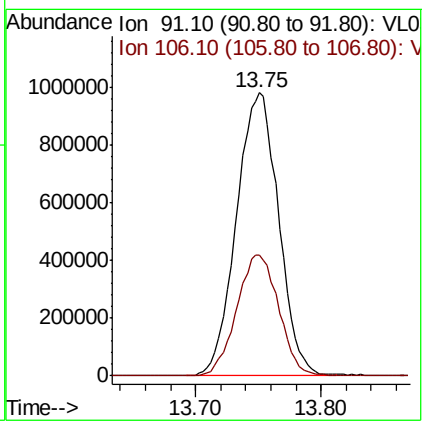


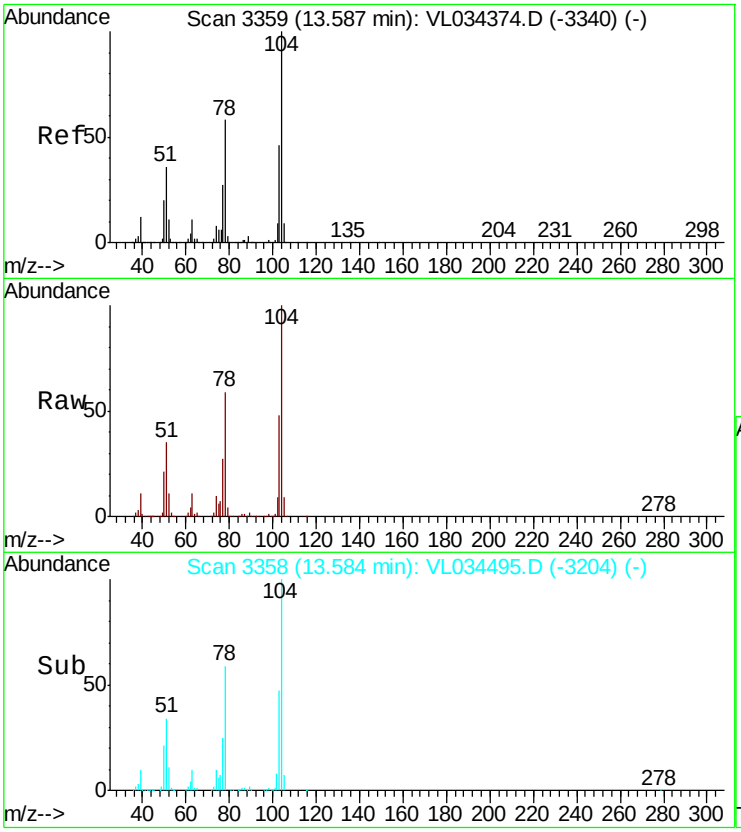


#60
o-Xylene
Concen: 6.910 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 2283705

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.3	64.0



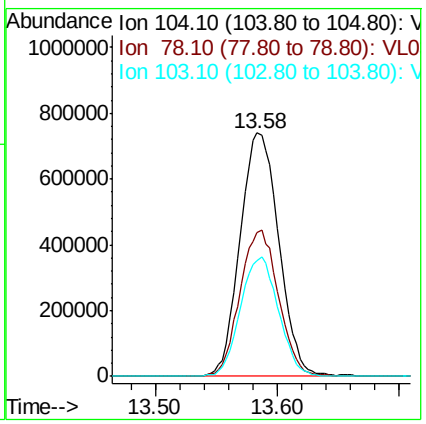


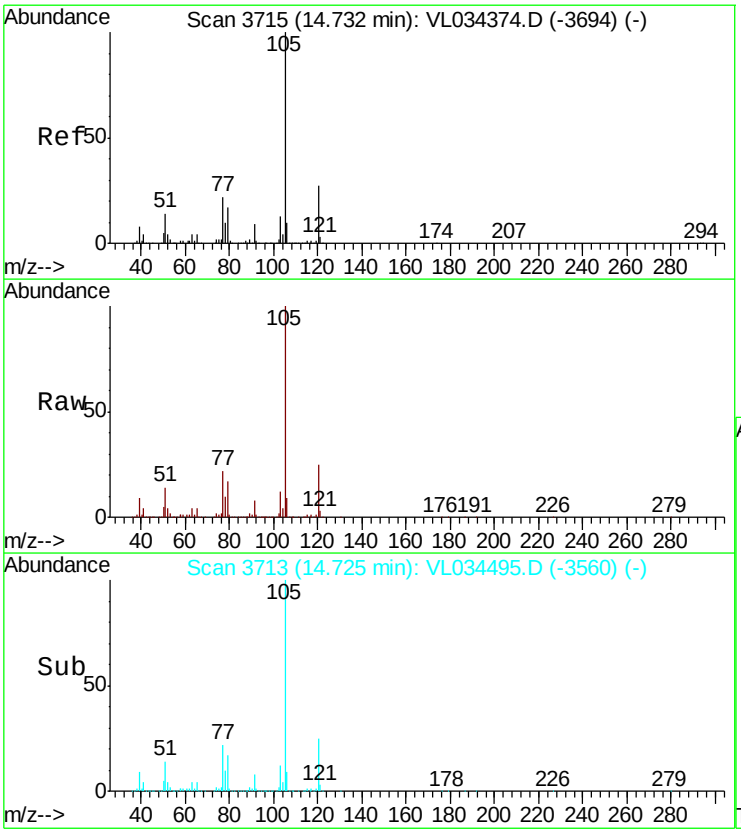
#61
Styrene
Concen: 6.811 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:104 Resp: 1623288

Ion	Ratio	Lower	Upper
104	100		
78	59.8	47.6	71.4
103	48.3	38.6	57.8

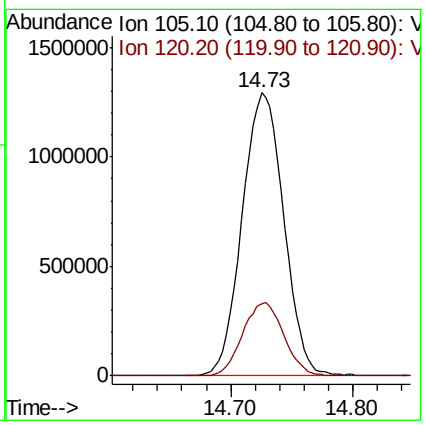


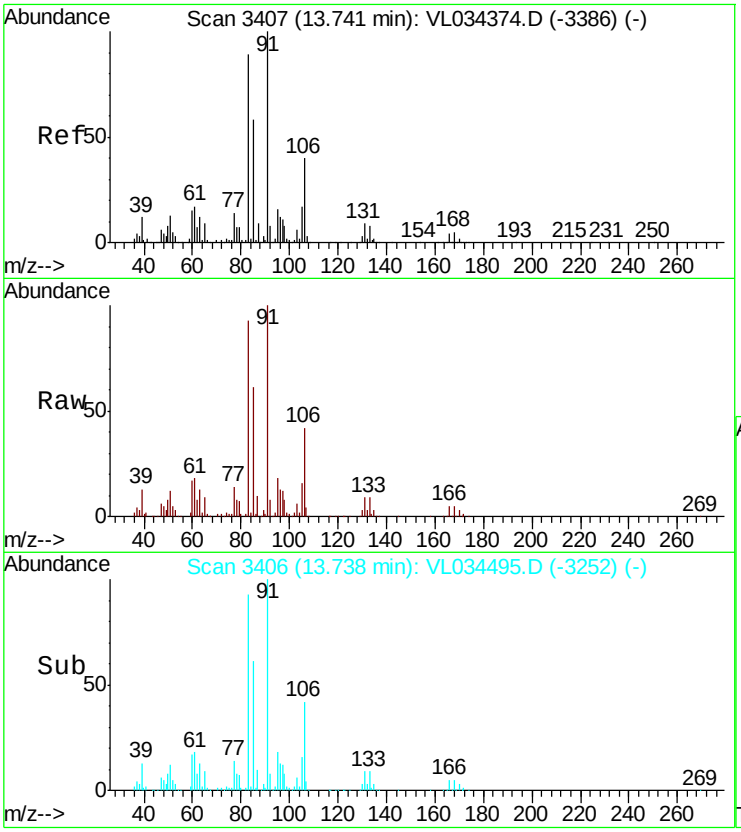


#62
Isopropylbenzene
Concen: 6.962 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:105 Resp: 3042742

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.2	30.4



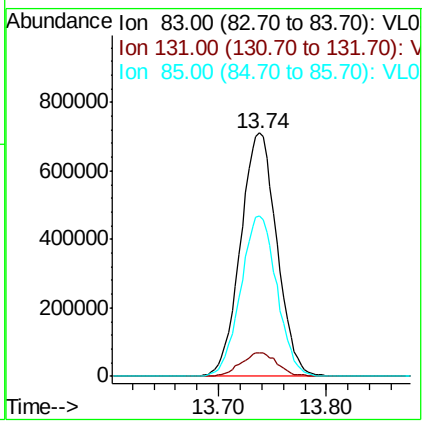


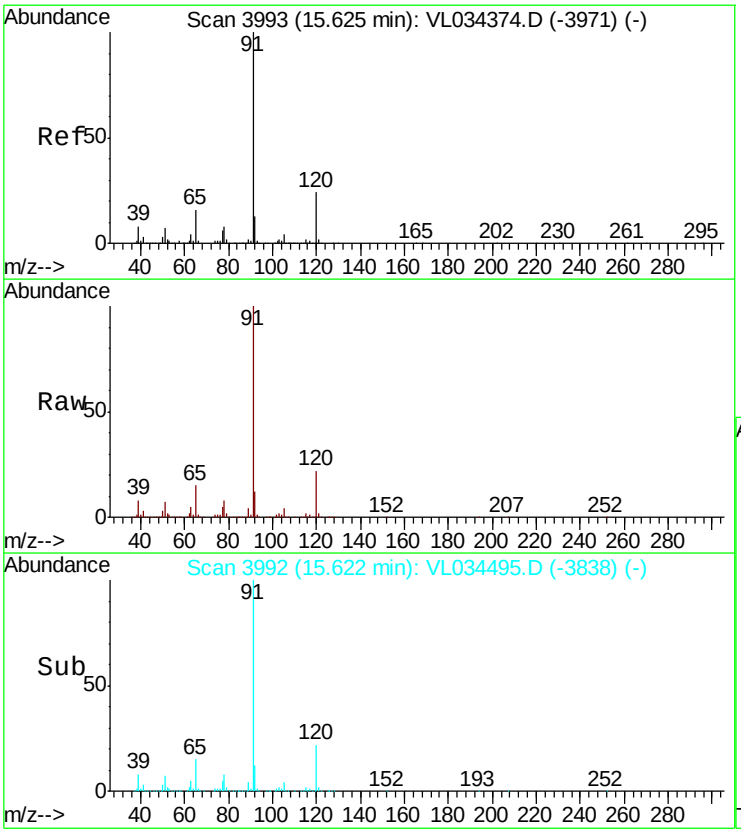
#63
1,1,2,2-Tetrachloroethane
Concen: 6.698 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 83 Resp: 1663823

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	65.5	32.6	97.8

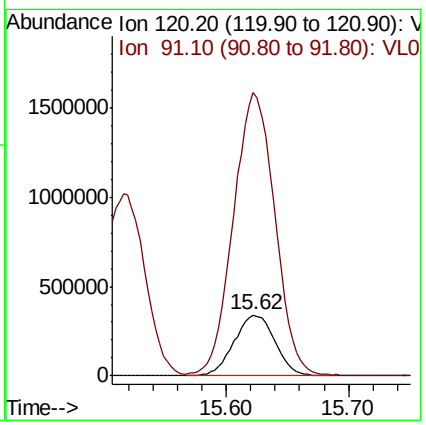


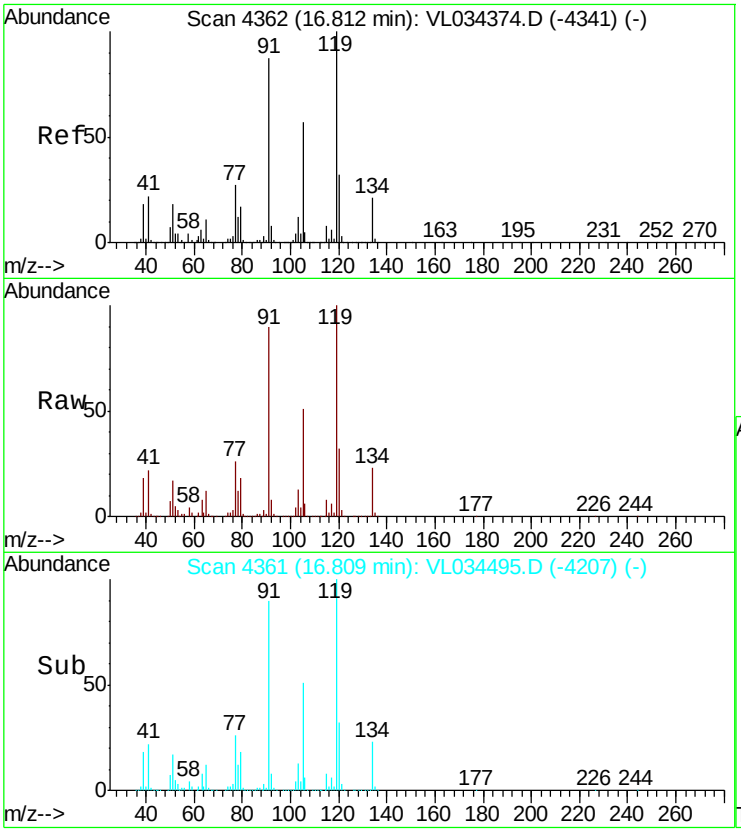


#64
n-propylbenzene
Concen: 6.985 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:120 Resp: 792880

Ion	Ratio	Lower	Upper
120	100		
91	472.3	370.9	556.3



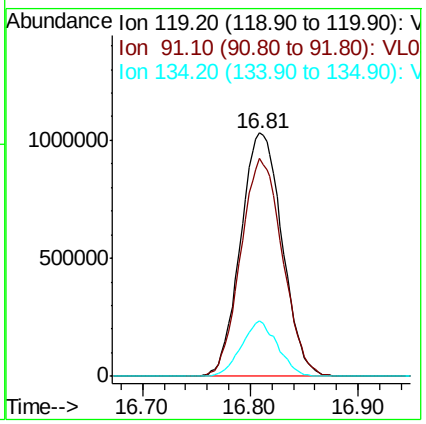


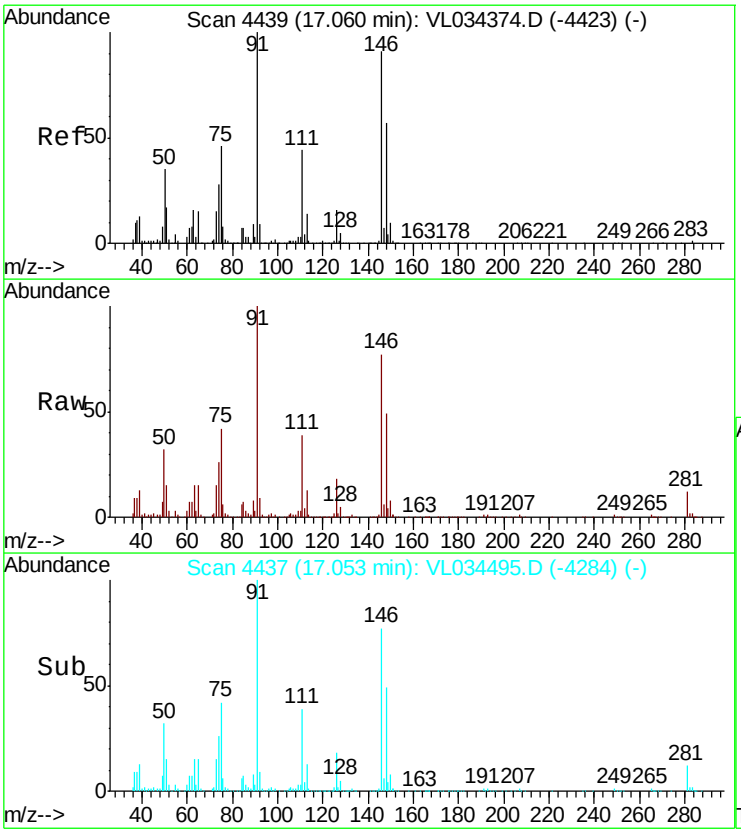
#65
tert-Butylbenzene
Concen: 7.033 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:119 Resp: 2761212

Ion	Ratio	Lower	Upper
119	100		
91	89.9	71.6	107.4
134	19.9	15.9	23.9

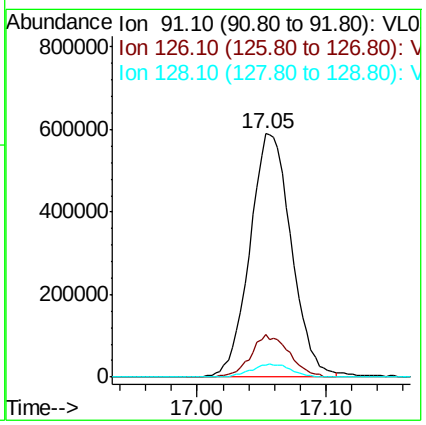


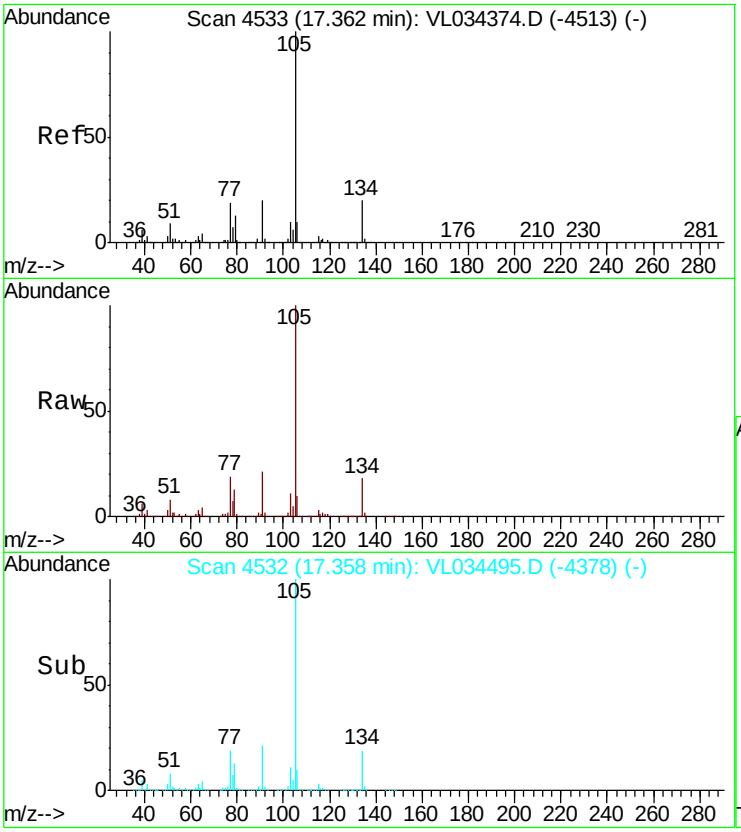


#66
Benzyl Chloride
Concen: 8.748 ppbv
RT: 17.05 min Scan# 4437
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 1321354

Ion	Ratio	Lower	Upper
91	100		
126	16.2	12.9	19.3
128	5.2	4.3	6.5



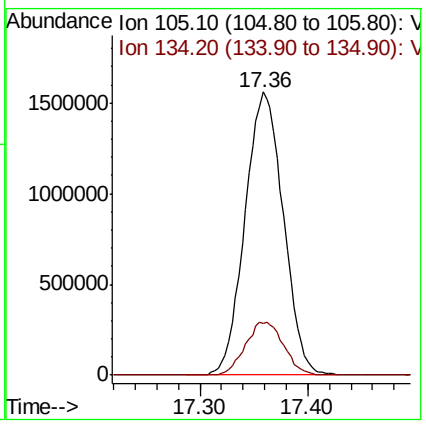


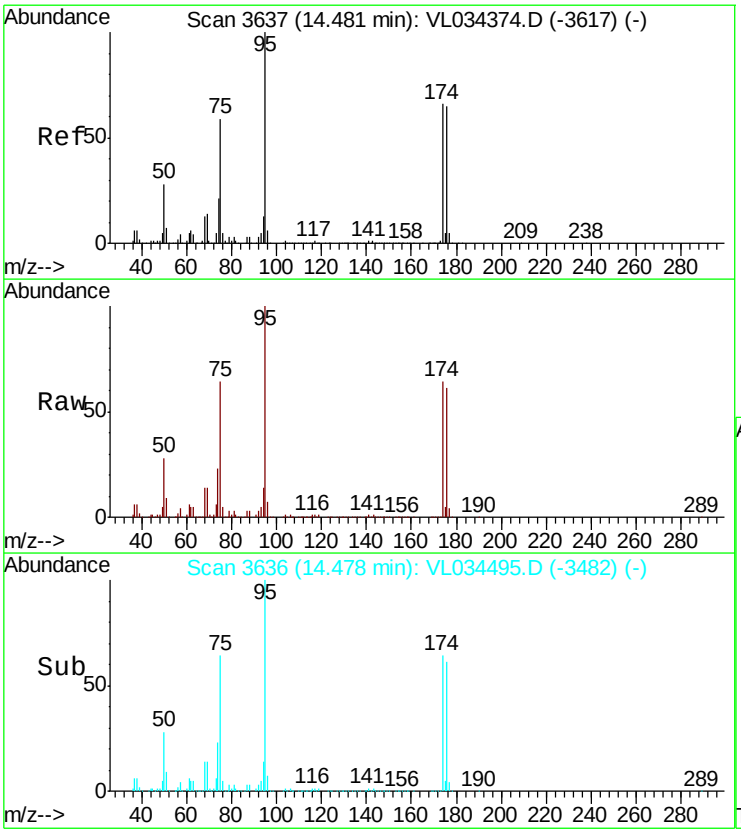
#67
sec-Butylbenzene
Concen: 7.000 ppbv
RT: 17.36 min Scan# 4532
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:105 Resp: 3844096

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.0	22.6

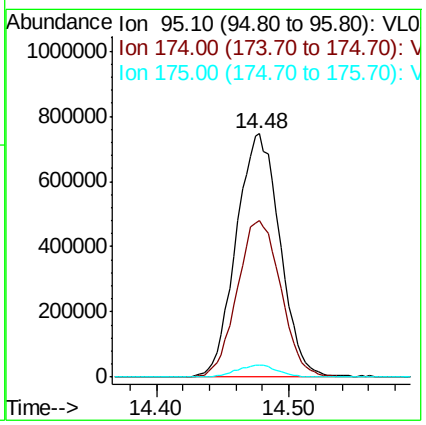


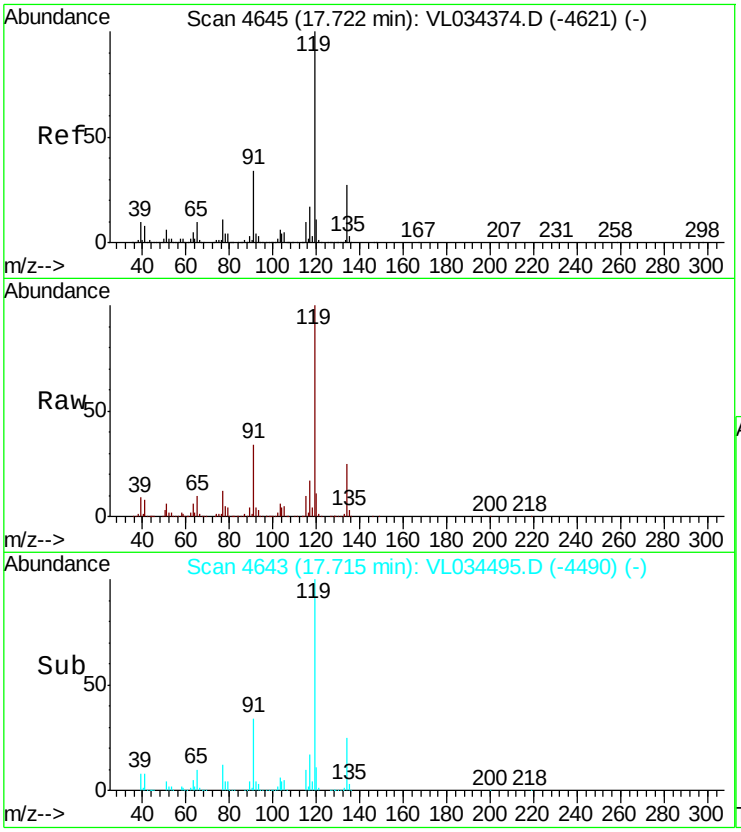


#68
1-Bromo-4-Fluorobenzene
Concen: 8.123 ppbv
RT: 14.48 min Scan# 3636
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 95 Resp: 1702687

Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.2	78.2
175	4.7	3.8	5.8



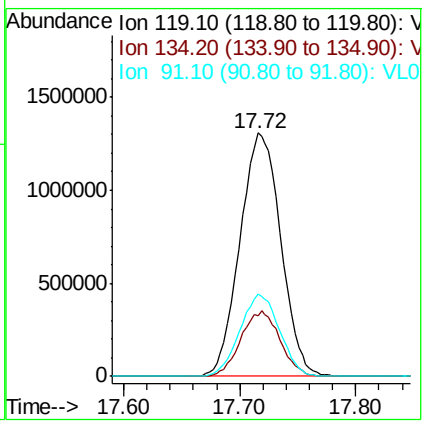


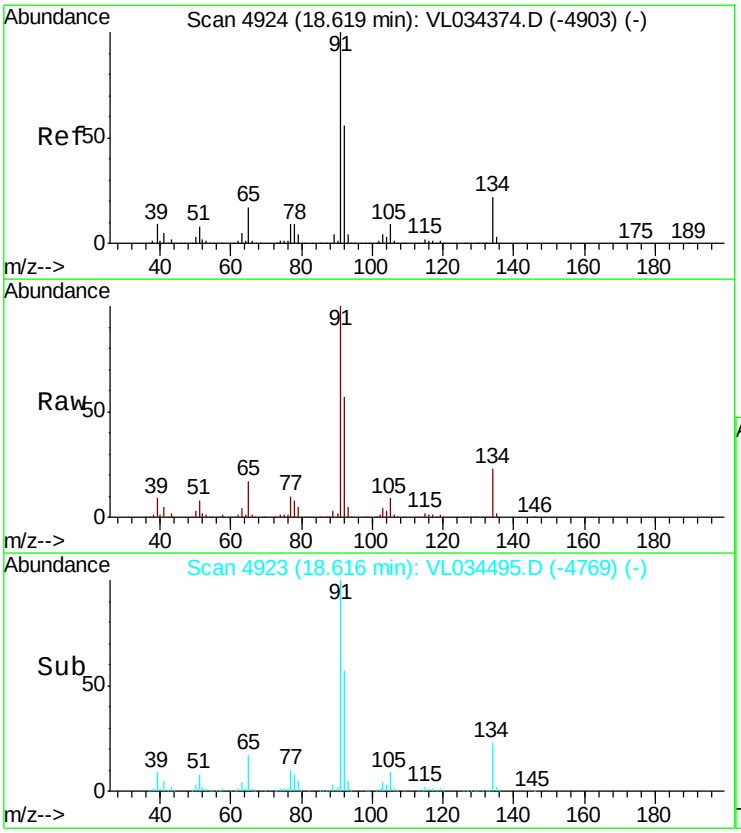
#69
p-Isopropyltoluene
Concen: 7.026 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:119 Resp: 3202336

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	33.0	26.3	39.5

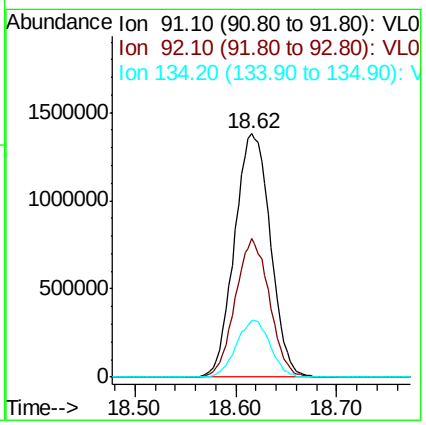


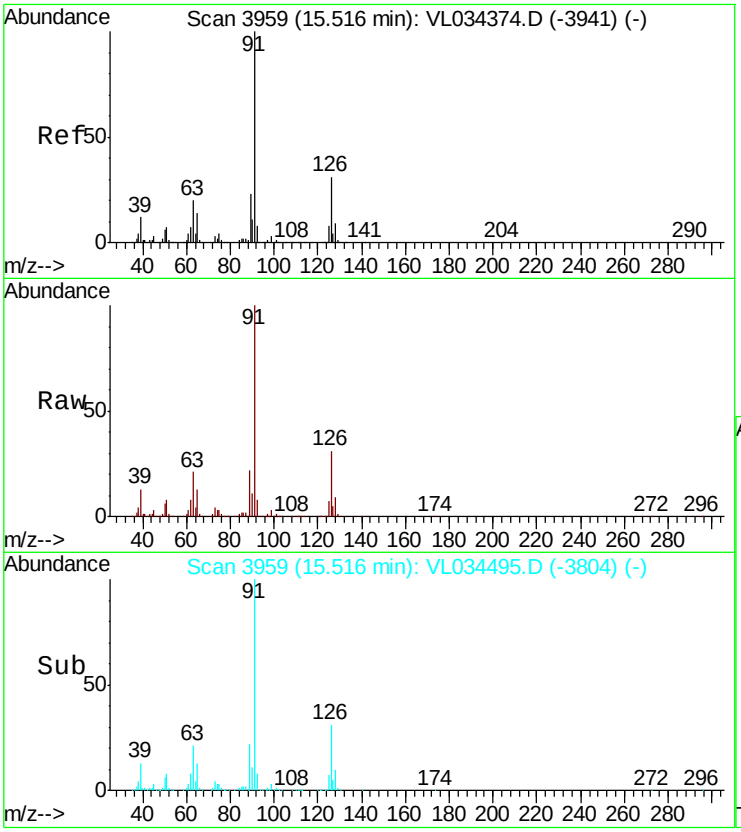


#70
n-Butylbenzene
Concen: 6.941 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 3403943

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.6
134	22.2	17.9	26.9



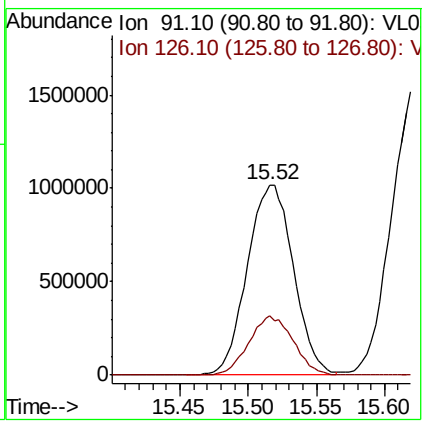


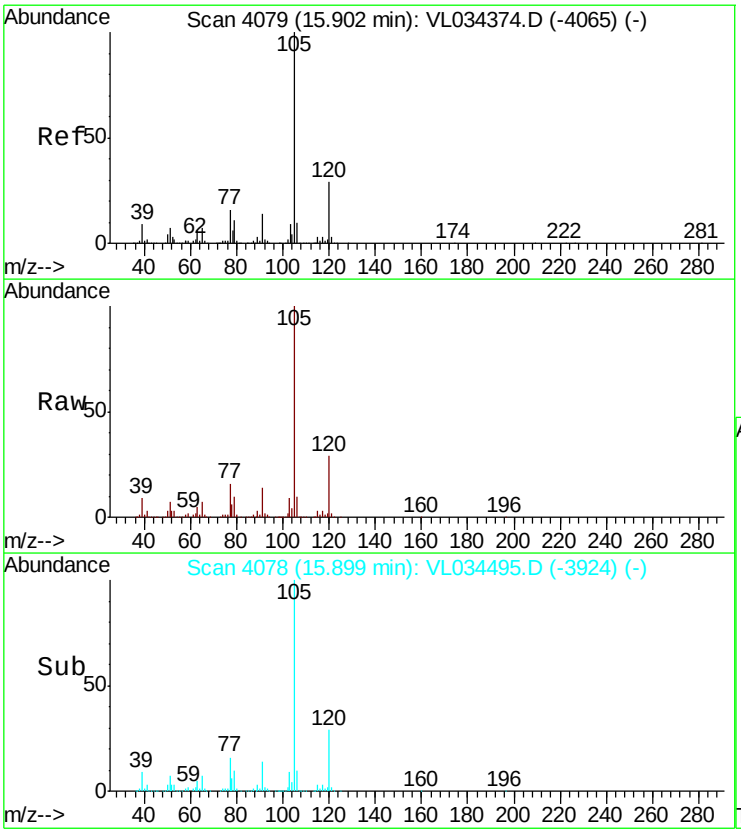
#71
2-Chlorotoluene
Concen: 6.867 ppbv
RT: 15.52 min Scan# 3959
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion: 91 Resp: 2393168

Ion	Ratio	Lower	Upper
91	100		
126	29.9	11.8	47.4

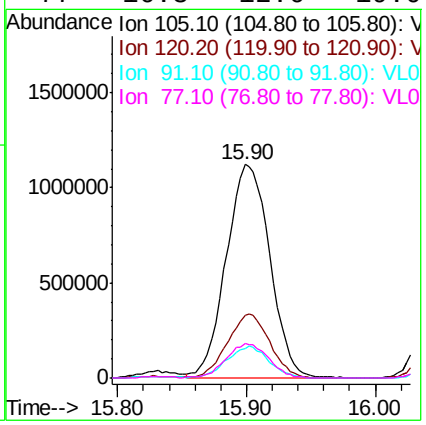


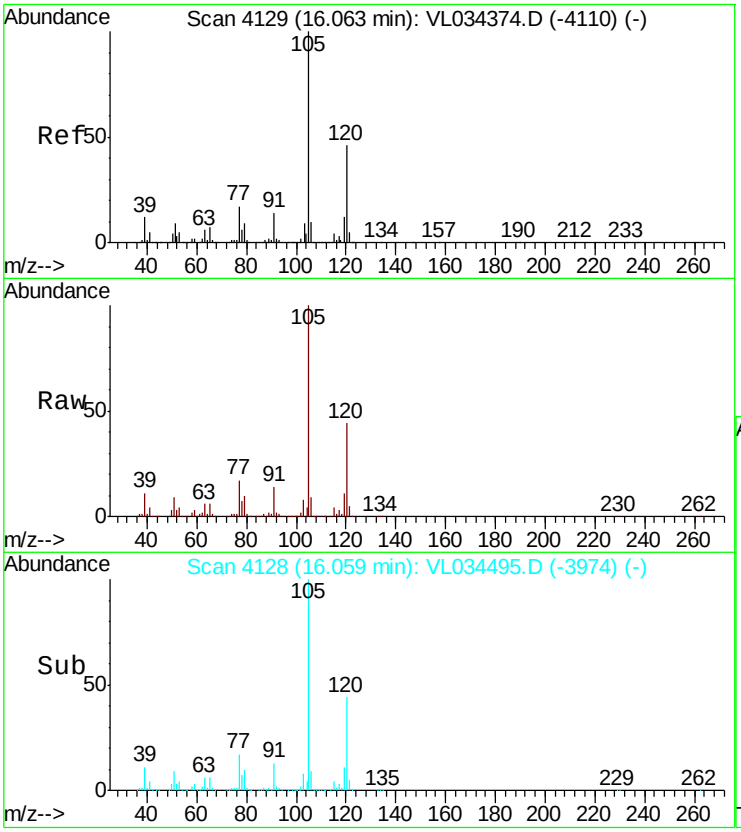


#72
4-Ethyltoluene
Concen: 6.857 ppbv
RT: 15.90 min Scan# 4078
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:105 Resp: 2618550

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.5	35.3
91	14.4	11.4	17.0
77	16.3	12.6	19.0



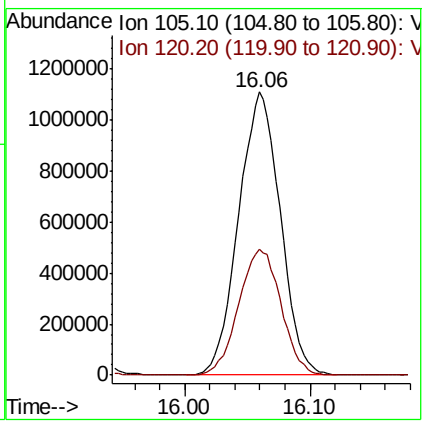


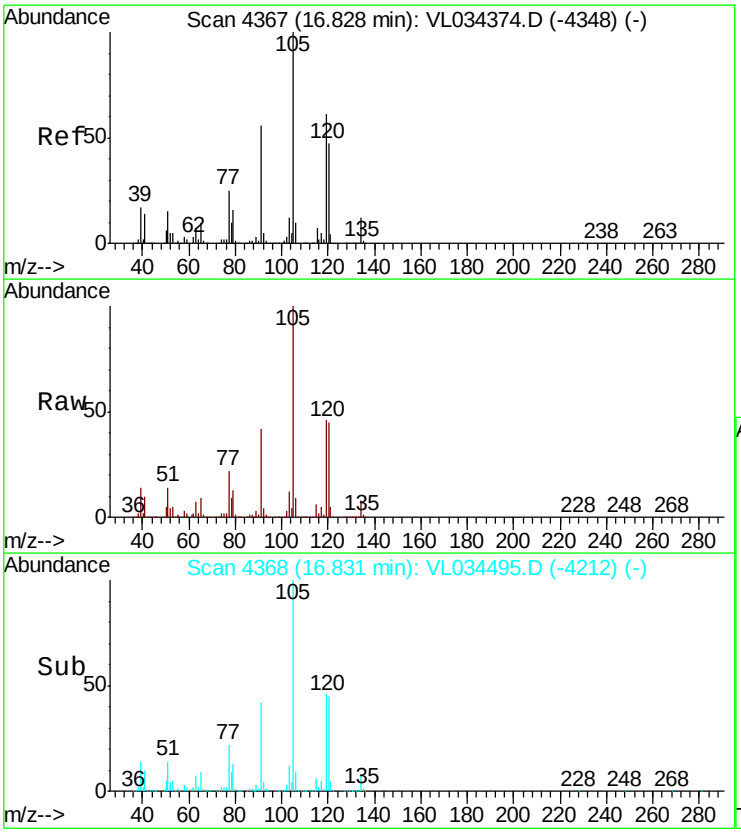
#73
1,3,5-Trimethylbenzene
Concen: 6.819 ppbv
RT: 16.06 min Scan# 4128
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:105 Resp: 2548841

Ion	Ratio	Lower	Upper
105	100		
120	44.5	37.1	55.7

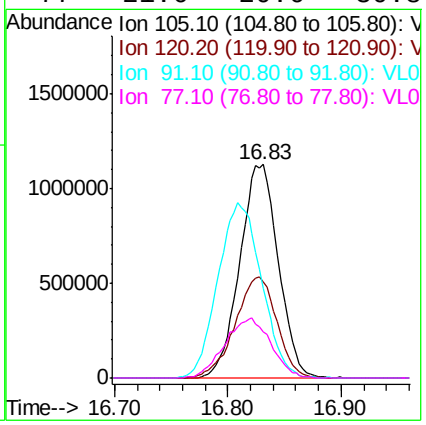


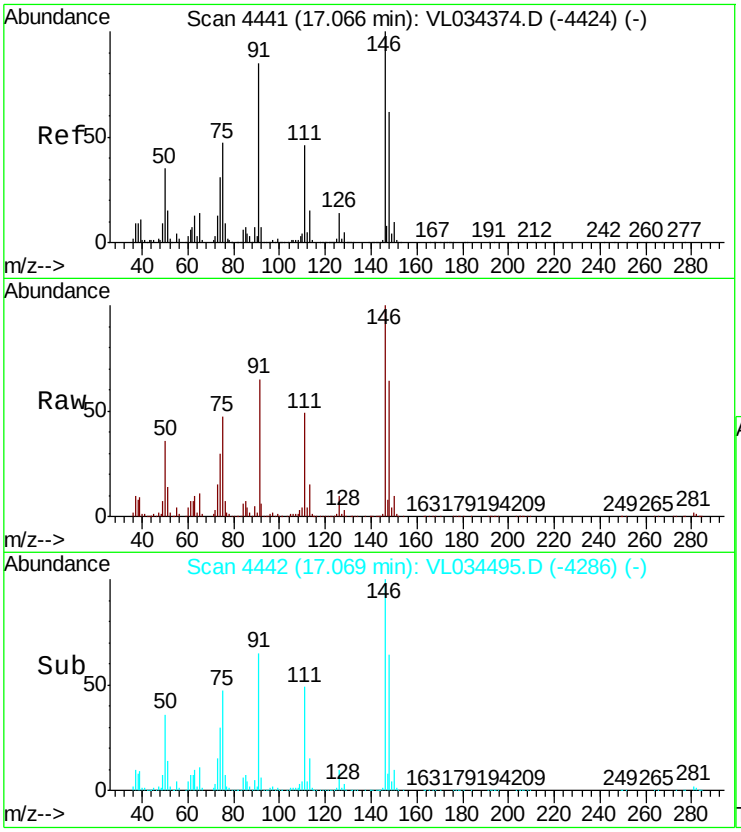


#74
1,2,4-Trimethylbenzene
Concen: 6.715 ppbv
RT: 16.83 min Scan# 4368
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:105 Resp: 2666106

Ion	Ratio	Lower	Upper
105	100		
120	44.6	37.4	56.0
91	41.6	46.3	69.5#
77	21.6	20.6	30.8



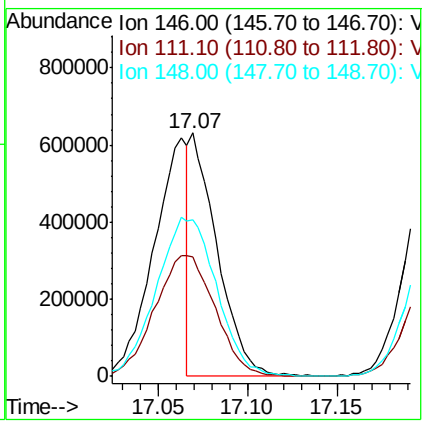


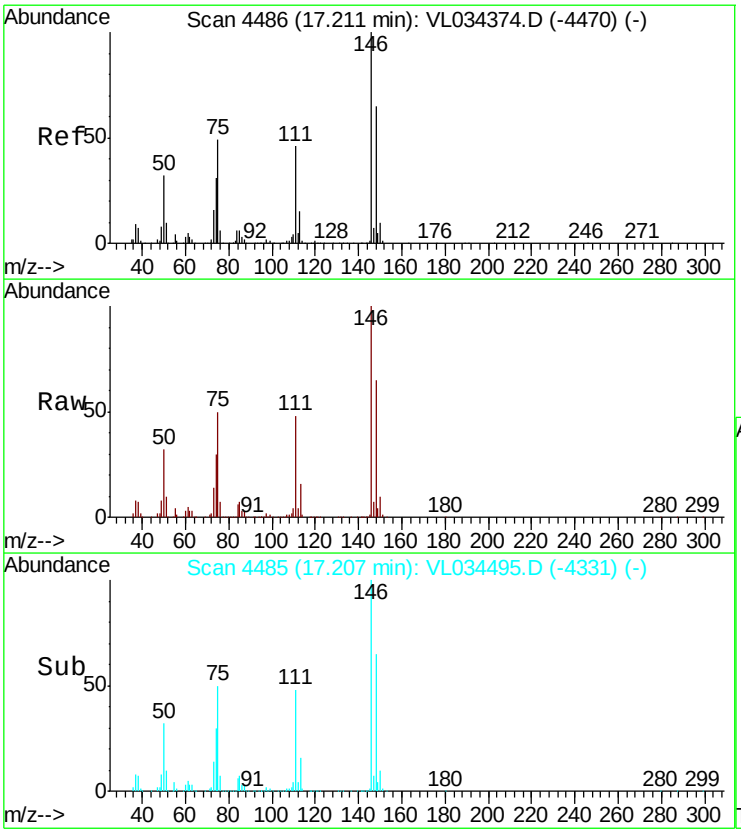
#75
1,3-Dichlorobenzene
Concen: 2.887 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument : MSVOA_L
ClientSampleId : VL1217ABS01

Tgt Ion:146 Resp: 658974

Ion	Ratio	Lower	Upper
146	100		
111	111.7	24.4	73.4#
148	0.0	32.4	97.0#

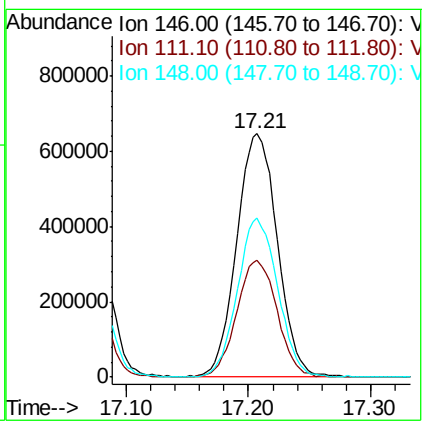


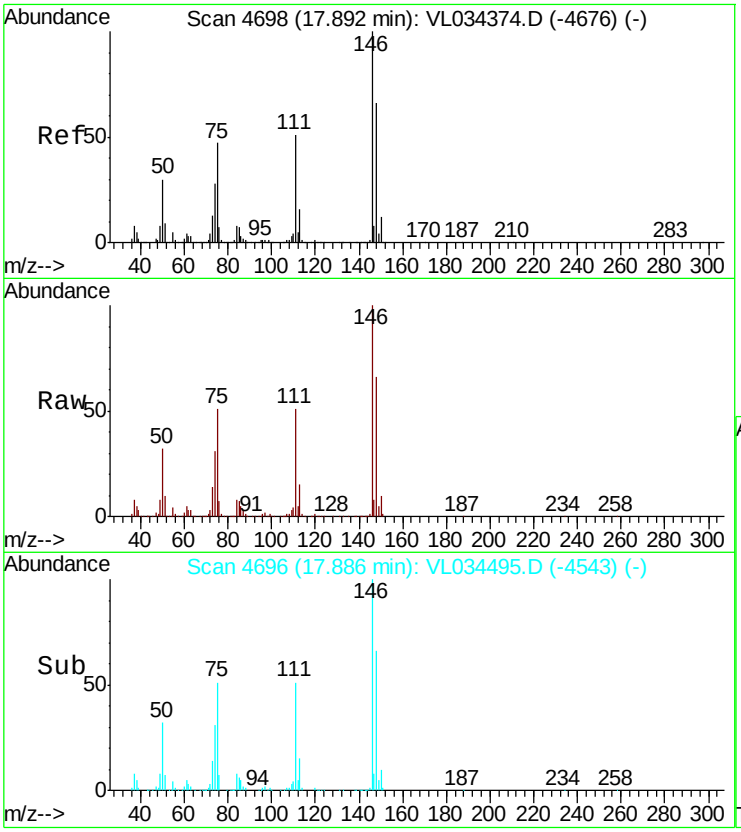


#76
1,4-Dichlorobenzene
Concen: 6.690 ppbv
RT: 17.21 min Scan# 4485
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:146 Resp: 1482541

Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.1	72.3
148	64.9	32.9	98.6



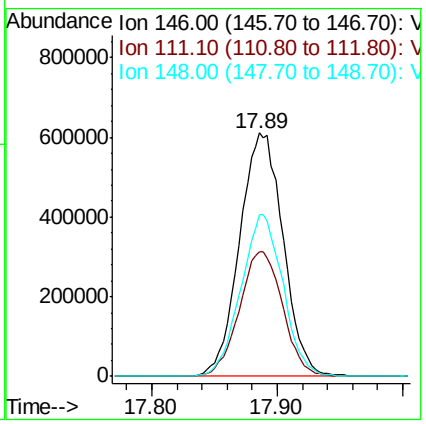


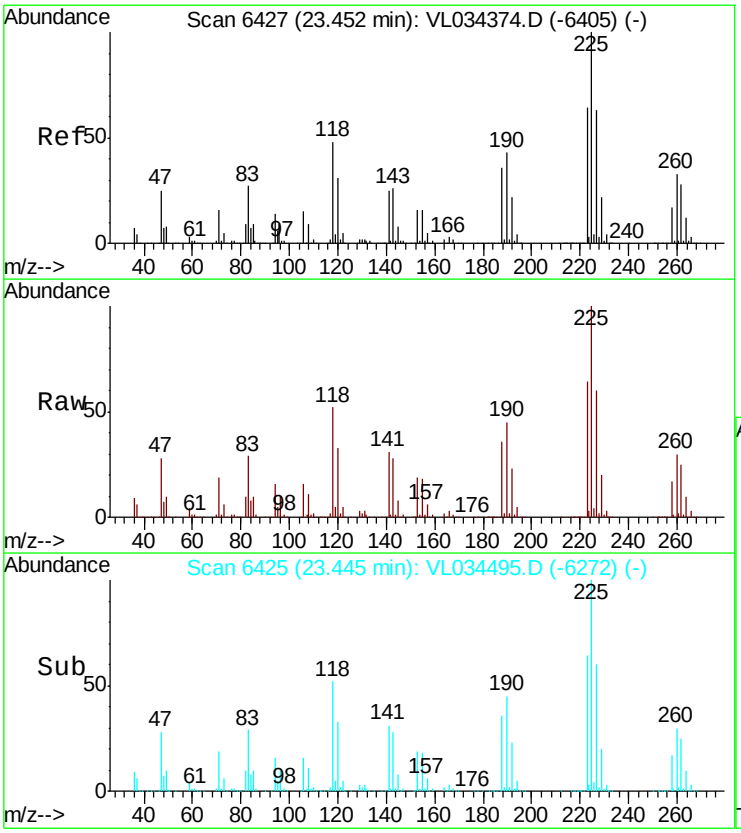
#77
1,2-Dichlorobenzene
Concen: 6.668 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:146 Resp: 1469907

Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.0	75.0
148	64.6	32.7	98.1

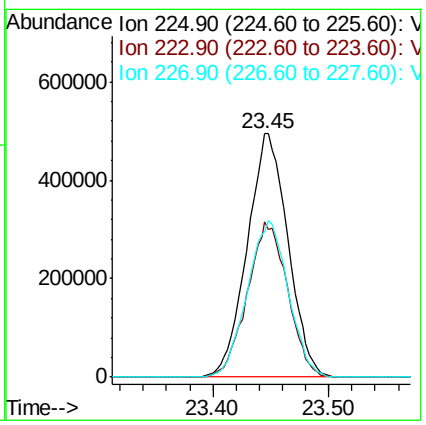


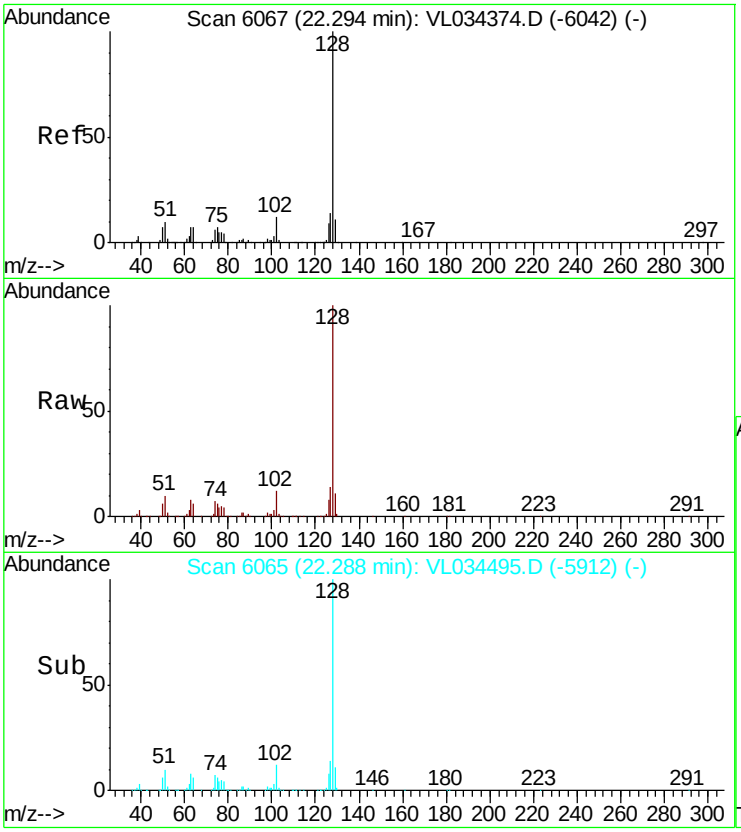


#78
Hexachloro-1,3-Butadiene
Concen: 6.383 ppbv
RT: 23.45 min Scan# 6425
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:225 Resp: 1208824

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.2
227	64.6	51.5	77.3



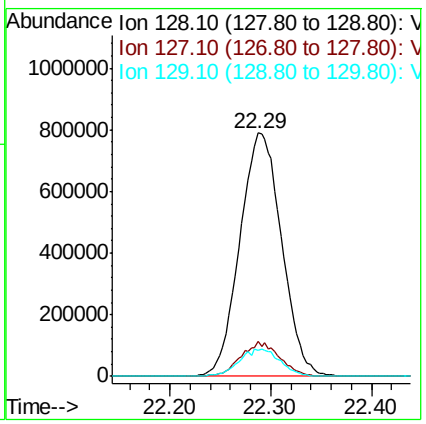


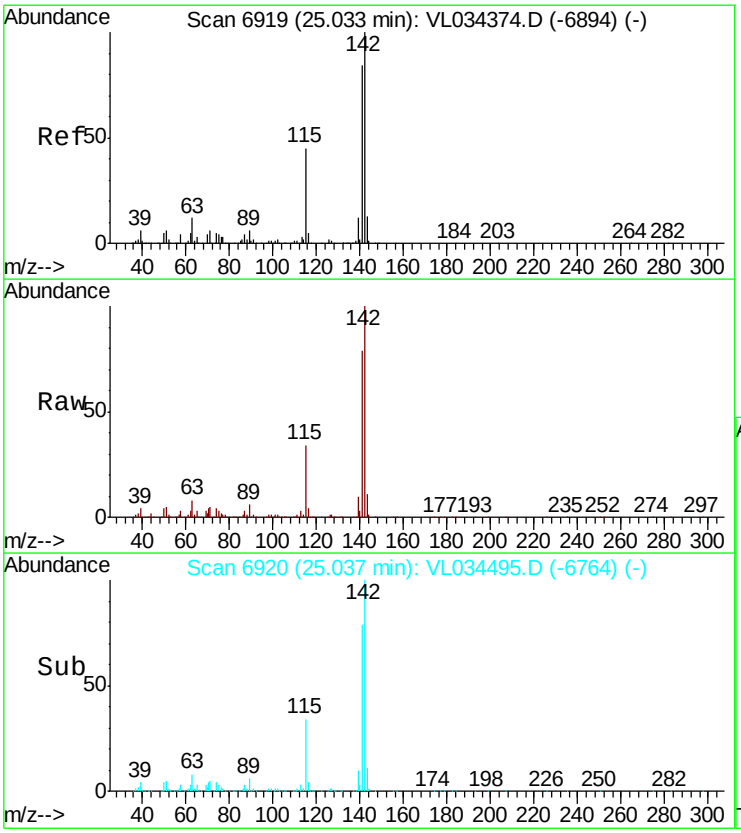
#79
Naphthalene
Concen: 6.584 ppbv
RT: 22.29 min Scan# 6065
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:128 Resp: 2266113

Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.6
129	10.8	8.9	13.3

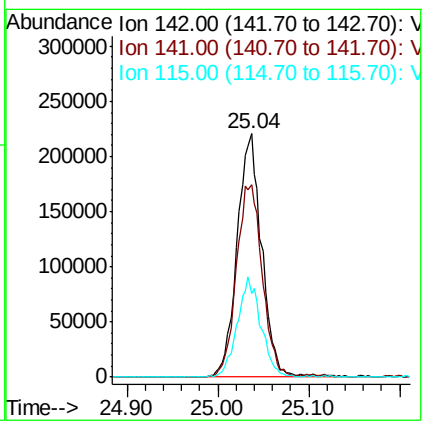


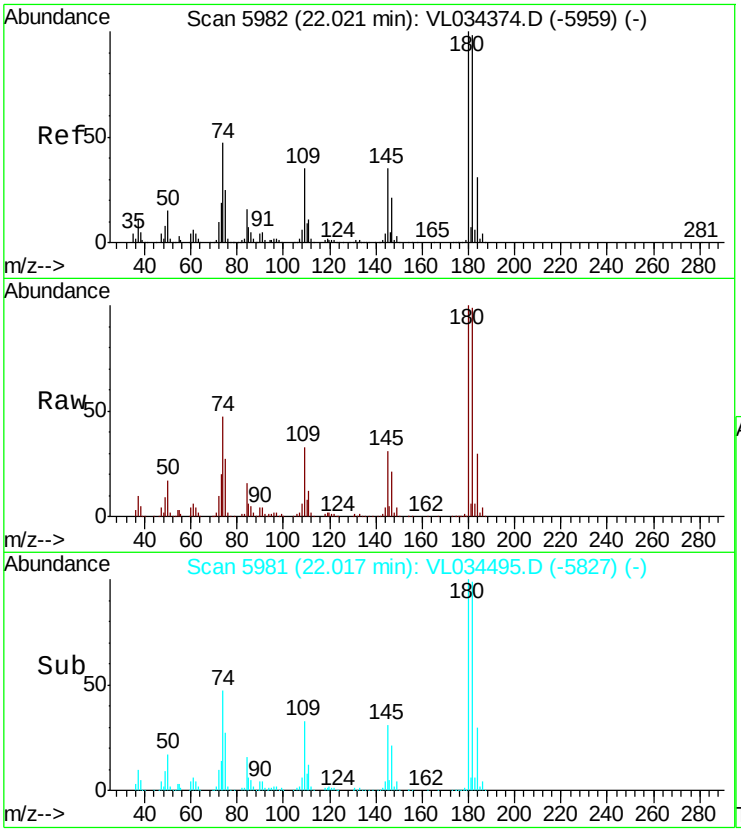


#80
Naphthalene,2-methyl-
Concen: 2.658 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion:142 Resp: 413065

Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.1	100.7
115	39.9	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 6.087 ppbv
RT: 22.02 min Scan# 5981
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tgt Ion:180 Resp: 1287149

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	30.9	24.9	37.3