Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036165.D
Acq On : 16 Dec 2020 13:19
Operator : SY/AP
Sample : VL1216ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:39:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1207825	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2520625	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	3063260	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2169851	8.92	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1047038	7.439	ppbv	96
3) Chlorodifluoromethane	2.96	51	1475777	10.709	ppbv	99
4) Chloromethane	3.12	50	722277	10.676	ppbv	100
5) Vinyl Chloride	3.23	62	678969	9.021	ppbv	94
6) Bromomethane	3.45	94	368204	9.481	ppbv	91
7) Chloroethane	3.54	64	245174	9.562	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1559518	9.969	ppbv	89
9) Propene	2.99	41	668409	9.682	ppbv	99
10) Heptane	8.10	43	1774065	10.062	ppbv	100
11) Trichlorofluoromethane	3.93	101	1754009	10.599	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1102210	9.807	ppbv	93
13) Ethanol	3.58	45	101398	10.655	ppbv	90
14) Bromoethene	3.72	108	455913	9.888	ppbv	98
15) Acetone	3.83	43	1569491	10.812	ppbv	97
16) 1,3-Butadiene	3.30	39	736540	10.074	ppbv	97
17) tert-Butyl alcohol	4.27	59	1255647	8.930	ppbv	100
18) 1,1-Dichloroethene	4.27	96	482881	9.677	ppbv	96
19) Isopropyl Alcohol	3.94	45	836187	9.425	ppbv #	100
20) Methylene Chloride	4.32	84	459178	7.719	ppbv	98
21) Allyl Chloride	4.39	41	878368	9.100	ppbv	91
22) trans-1,2-Dichloroethene	4.86	96	468289	9.373	ppbv	93
23) Vinyl Acetate	5.05	43	1893633	9.798	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1304674	9.598	ppbv	98
25) Ethyl Acetate	5.65	43	2938535	10.133	ppbv	99
26) Hexane	5.66	57	1200887	9.201	ppbv	99
27) Carbon Disulfide	4.53	76	1247224	9.615	ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	1684319	9.077	ppbv	100
29) Chloroform	5.73	83	1842721	10.751	ppbv	97
30) Cyclohexane	7.10	84	914849	9.542	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1256731	10.593	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1801993	10.189	ppbv	97
34) 2-Butanone	5.22	43	1809726	10.824	ppbv	100
35) Carbon Tetrachloride	7.00	117	1742733	11.856	ppbv	98
36) Benzene	6.87	78	2357982	11.038	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1568201	12.669	ppbv	97
38) Trichloroethene	7.82	130	734549	9.199	ppbv	92
39) 1,2-Dichloropropane	7.59	63	986361	11.692	ppbv	97
40) 1,4-Dioxane	7.81	88	304091	11.461	ppbv #	1
41) Tetrahydrofuran	6.02	42	1108204	11.157	ppbv	100
42) Bromodichloromethane	7.77	83	2067603	12.535	ppbv	98
43) Methyl Methacrylate	7.99	69	1052514	11.485	ppbv	94

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036165.D
Acq On : 16 Dec 2020 13:19
Operator : SY/AP
Sample : VL1216ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:39:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4269044	11.035	ppbv		99
45) t-1,3-Dichloropropene	9.26	75	1154995	12.268	ppbv		97
46) cis-1,3-Dichloropropene	8.68	75	1395700	11.827	ppbv		95
47) 1,1,2-Trichloroethane	9.46	97	897794	11.062	ppbv		94
48) Dibromochloromethane	10.28	129	1449716	11.828	ppbv		99
49) Bromoform	13.02	173	1179543	12.228	ppbv		99
50) 4-Methyl-2-Pentanone	8.72	43	2908624	11.665	ppbv		99
51) 2-Hexanone	10.11	43	2376907	12.195	ppbv		97
52) Tetrachloroethene	11.20	164	696935	9.013	ppbv		92
53) Toluene	9.79	91	2634081	10.981	ppbv		100
54) 1,2-Dibromoethane	10.59	107	1360561	11.184	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1081141	8.512	ppbv		96
57) Chlorobenzene	12.13	112	1784554	8.298	ppbv		99
58) Ethyl Benzene	12.69	91	3640803	8.673	ppbv		99
59) m/p-Xylene	12.98	91	3255097	9.206	ppbv	#	47
60) o-Xylene	13.67	91	2922418	8.773	ppbv		94
61) Styrene	13.51	104	1933169	9.039	ppbv		95
62) Isopropylbenzene	14.65	105	4138097	8.380	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1986279	8.853	ppbv		99
64) n-propylbenzene	15.55	120	996857	8.391	ppbv		83
65) tert-Butylbenzene	16.73	119	3397090	8.405	ppbv		91
66) Benzyl Chloride	16.98	91	1153571	11.462	ppbv		95
67) sec-Butylbenzene	17.28	105	4949263	8.749	ppbv		97
69) p-Isopropyltoluene	17.64	119	3904804	8.678	ppbv		96
70) n-Butylbenzene	18.54	91	4368029	9.822	ppbv		98
71) 2-Chlorotoluene	15.44	91	3405956	9.125	ppbv		95
72) 4-Ethyltoluene	15.82	105	3212338	8.902	ppbv		97
73) 1,3,5-Trimethylbenzene	15.98	105	3057754	8.872	ppbv		96
74) 1,2,4-Trimethylbenzene	16.74	105	3078374	8.898	ppbv	#	90
75) 1,3-Dichlorobenzene	16.98	146	1502333	8.675	ppbv		98
76) 1,4-Dichlorobenzene	17.12	146	1491285	8.458	ppbv		96
77) 1,2-Dichlorobenzene	17.80	146	1454330	8.795	ppbv		97
78) Hexachloro-1,3-Butadiene	23.36	225	880296	6.643	ppbv		100
79) Naphthalene	22.18	128	1548069	8.803	ppbv		98
80) Naphthalene,2-methyl-	24.97	142	638116	16.227	ppbv		95
81) 1,2,4-Trichlorobenzene	21.91	180	907651	7.725	ppbv	#	100

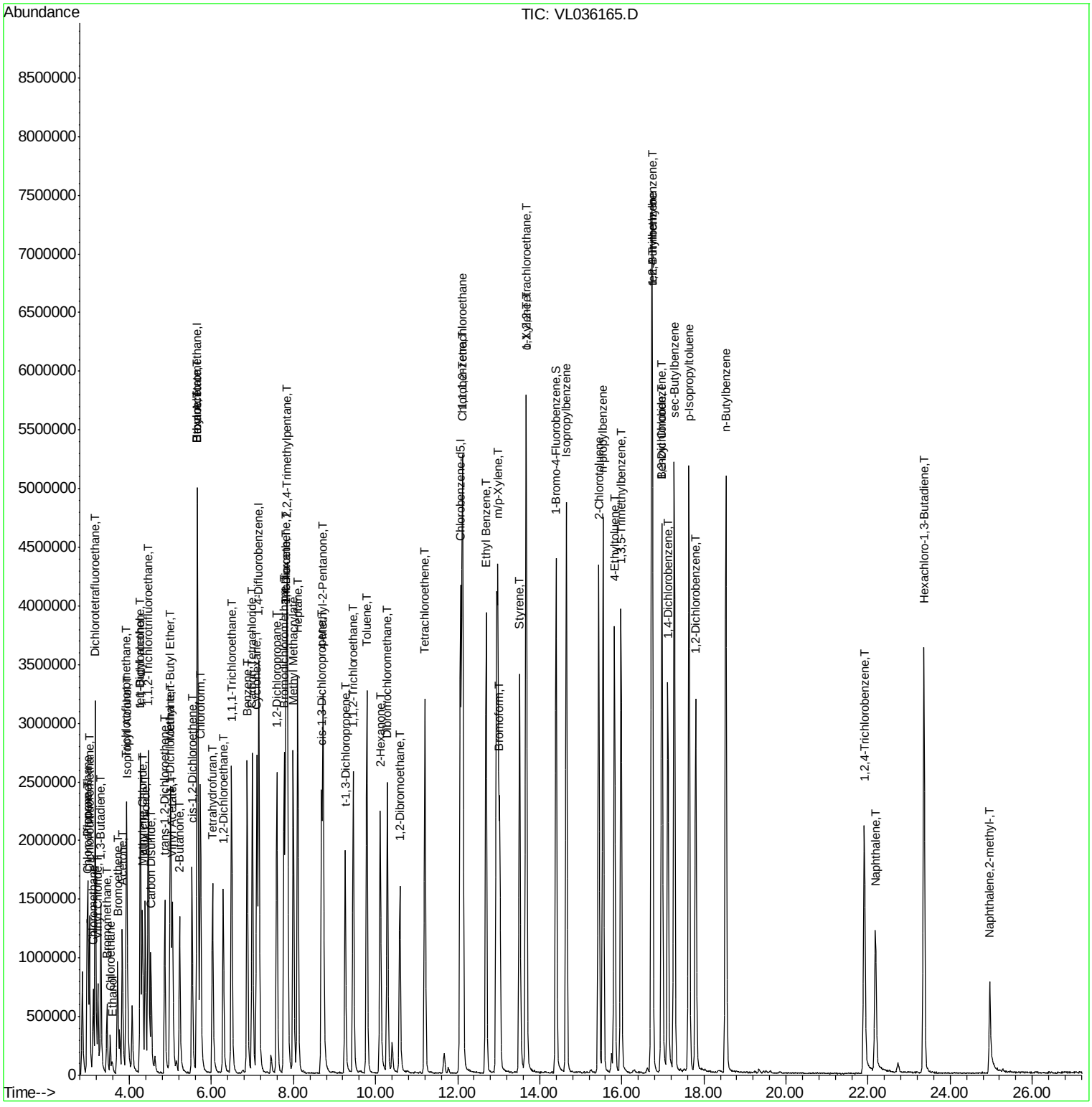
(#) = qualifier out of range (m) = manual integration (+) = signals summed

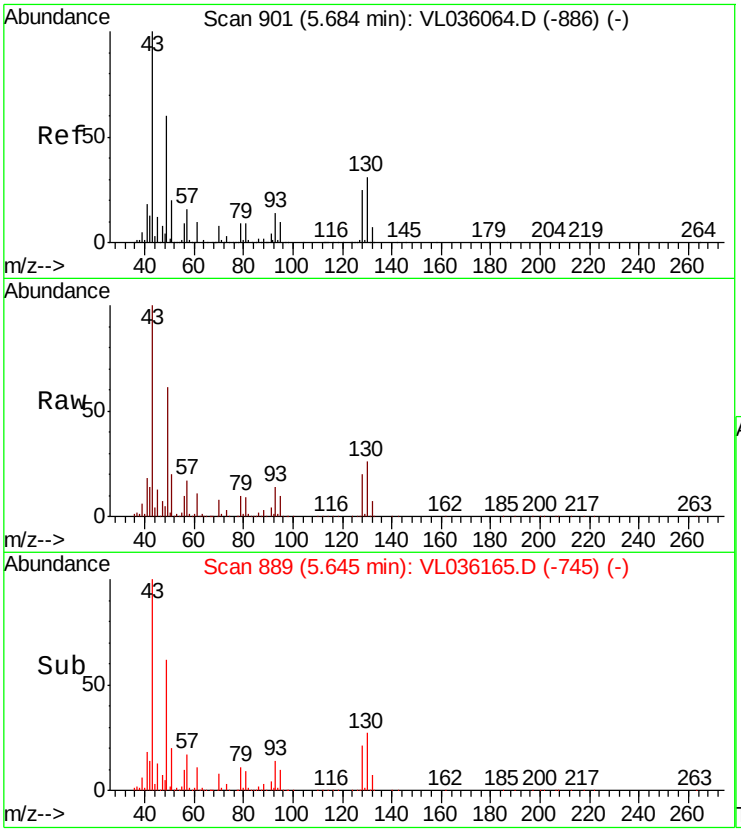
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036165.D
Acq On : 16 Dec 2020 13:19
Operator : SY/AP
Sample : VL1216ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:39:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



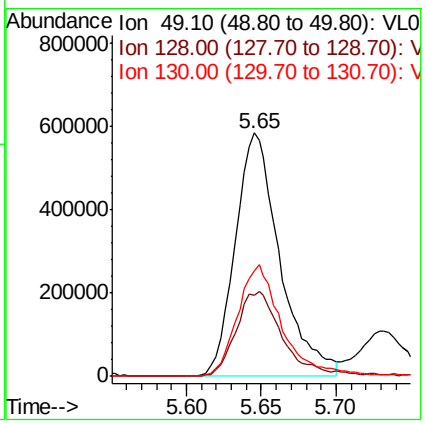


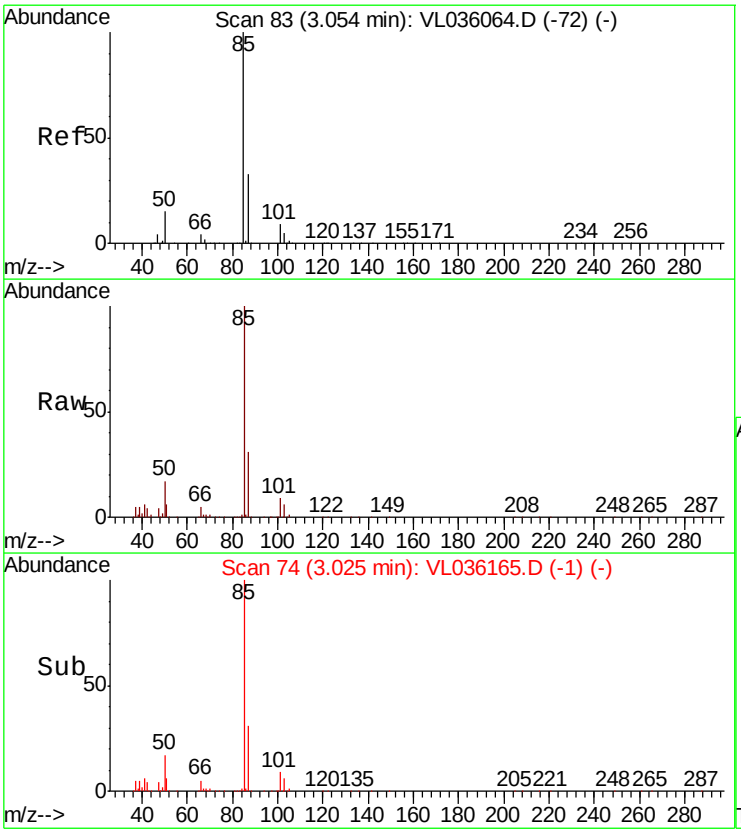
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1207825

Ion	Ratio	Lower	Upper
49	100		
128	37.3	21.1	63.1
130	46.4	27.1	81.3

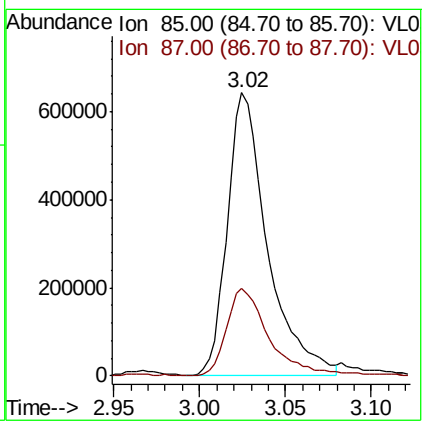


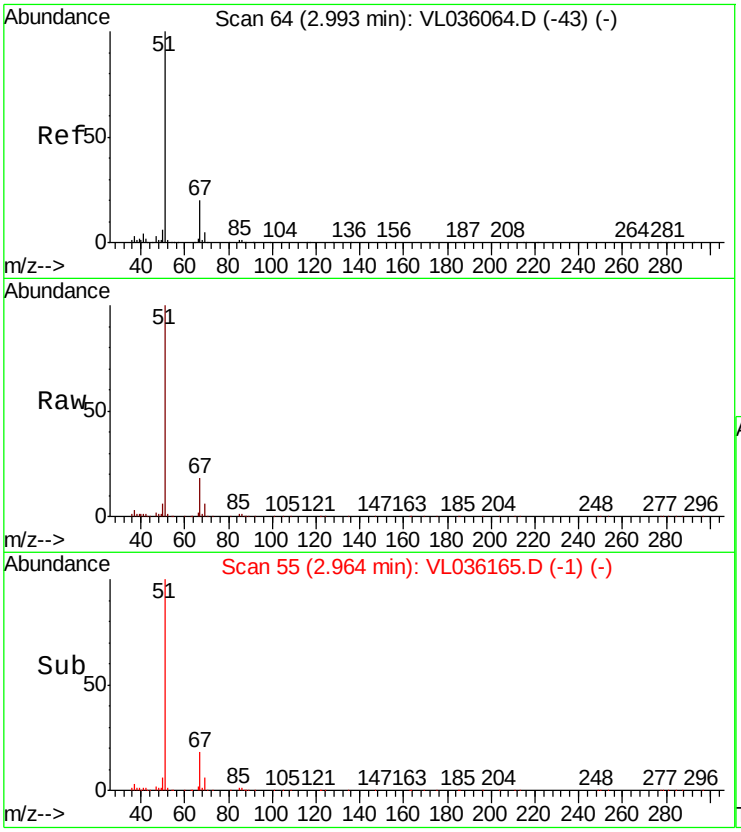


#2
Dichlorodifluoromethane
Concen: 7.439 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 85 Resp: 1047038

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.5	39.7



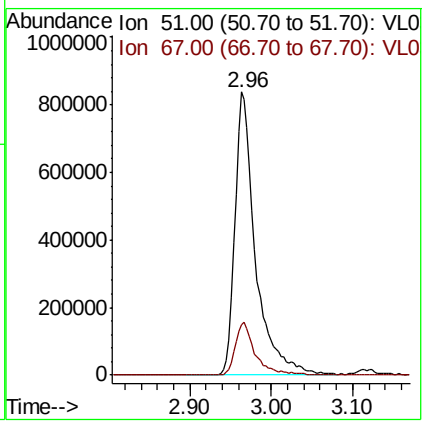


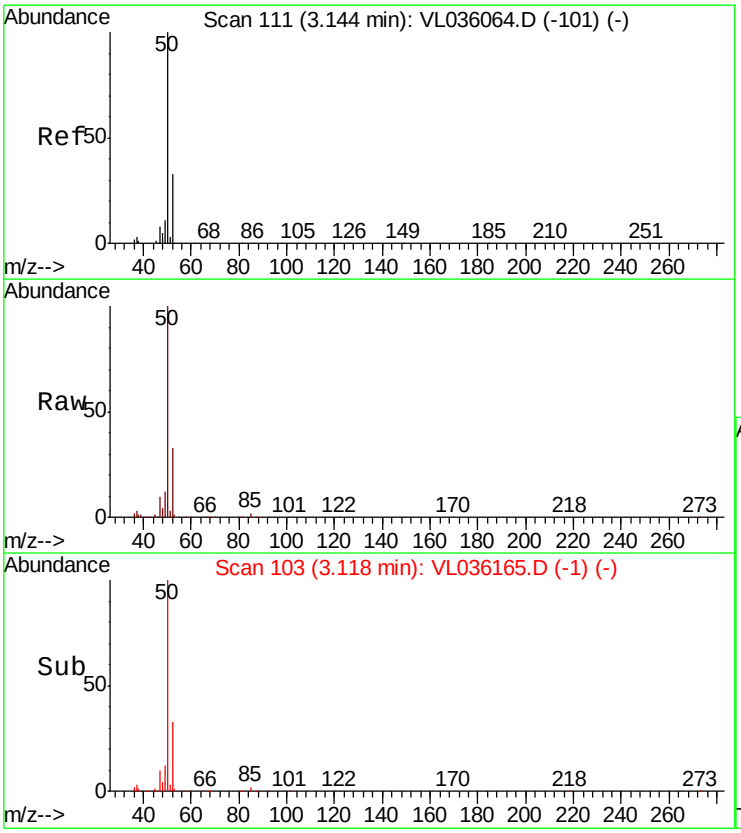
#3
Chlorodifluoromethane
Concen: 10.709 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1475777

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.3	21.5

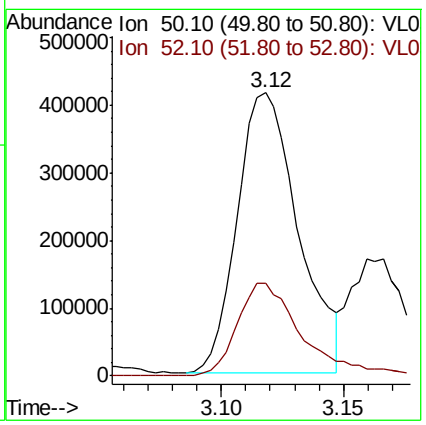


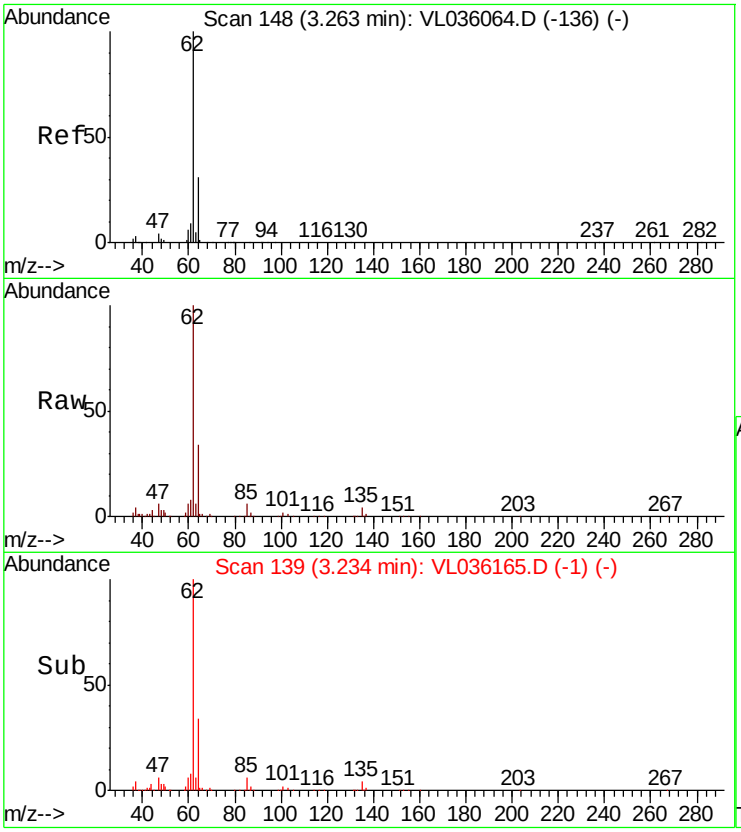


#4
Chloromethane
Concen: 10.676 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 50 Resp: 722277

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.1	39.1



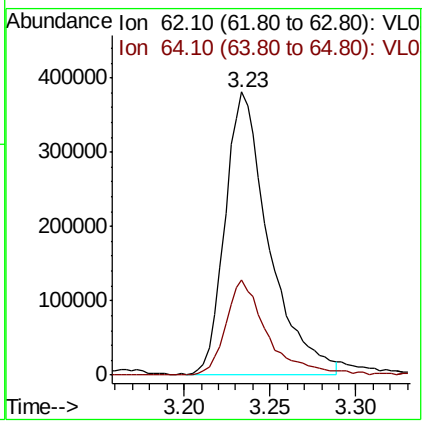


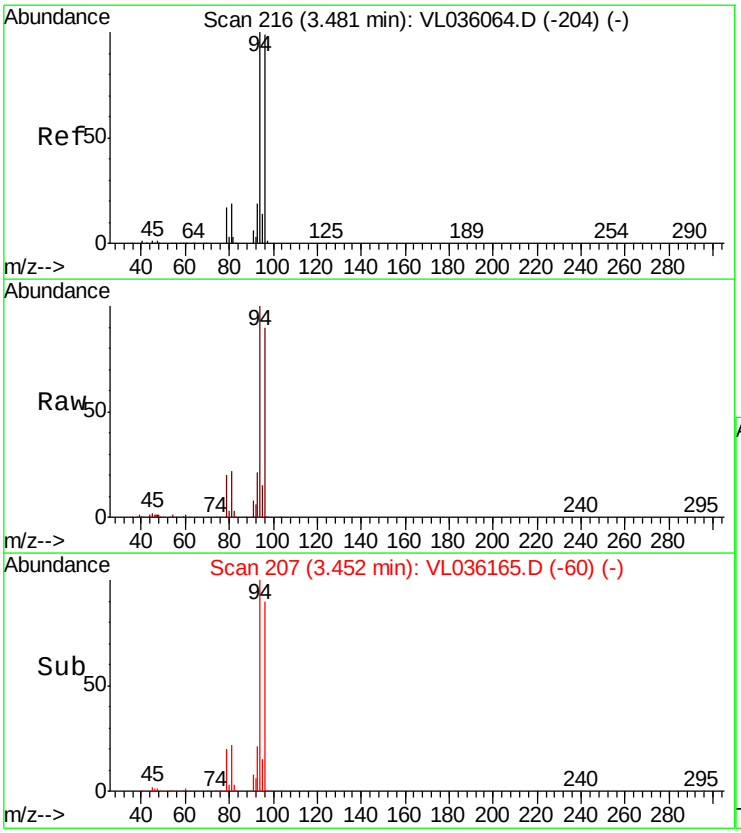
#5
Vinyl Chloride
Concen: 9.021 ppbv
RT: 3.23 min Scan# 139
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 678969

Ion	Ratio	Lower	Upper
62	100		
64	33.8	24.5	36.7

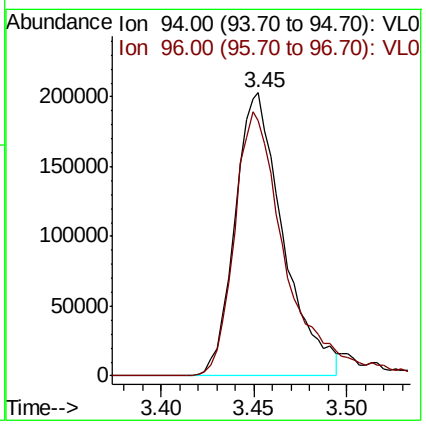


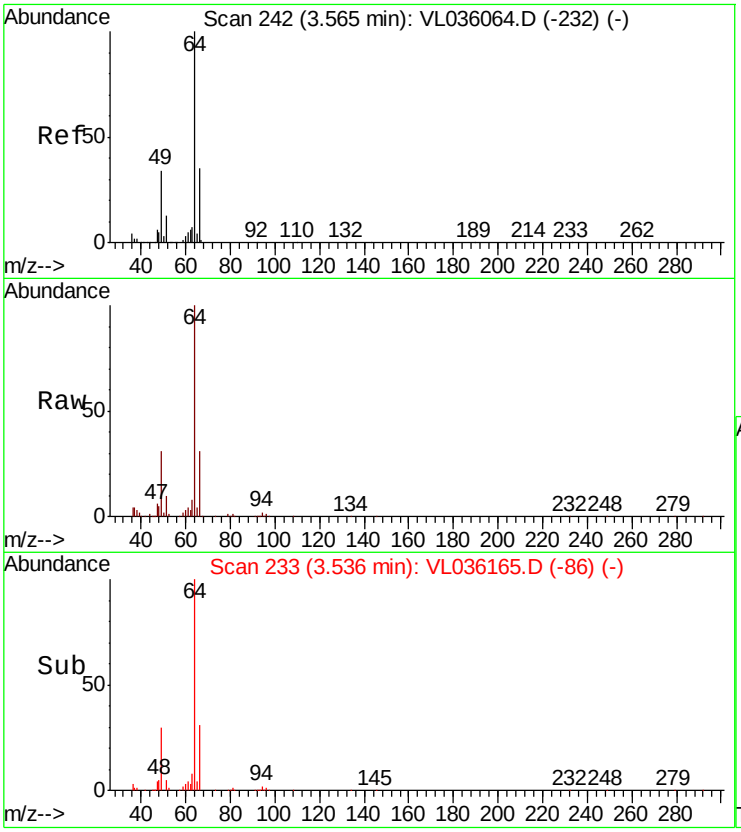


#6
Bromomethane
Concen: 9.481 ppbv
RT: 3.45 min Scan# 207
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 94 Resp: 368204

Ion	Ratio	Lower	Upper
94	100		
96	90.1	79.4	119.0



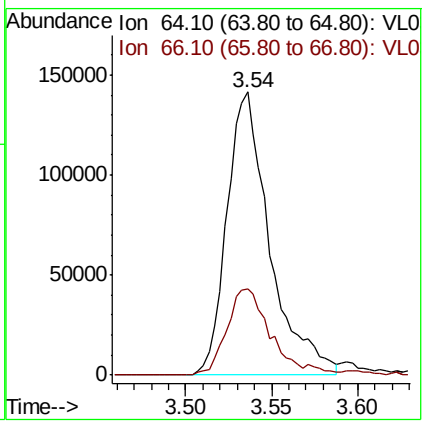


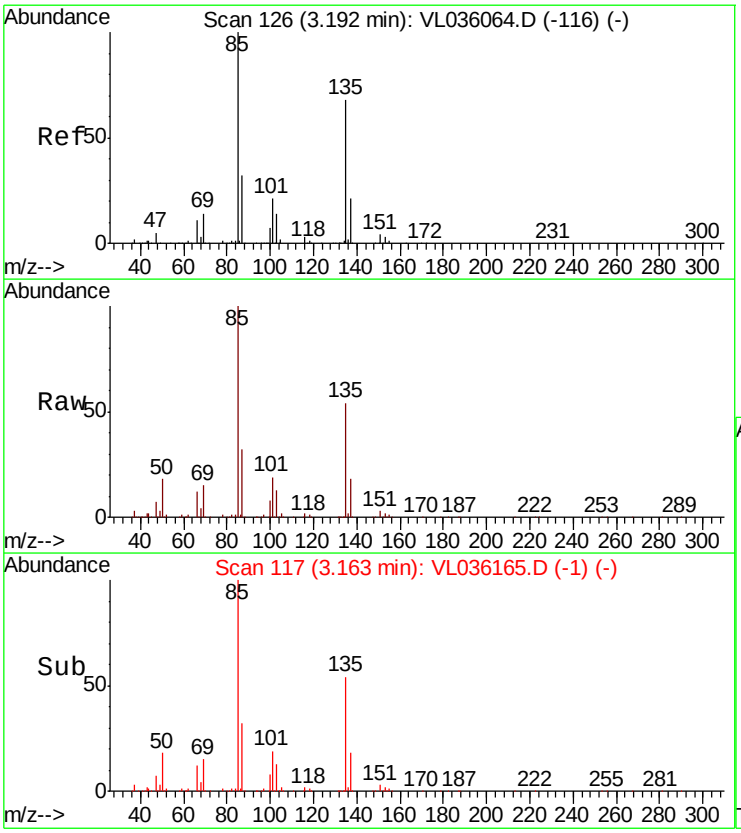
#7
Chloroethane
Concen: 9.562 ppbv
RT: 3.54 min Scan# 233
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 245174

Ion	Ratio	Lower	Upper
64	100		
66	30.6	27.7	41.5

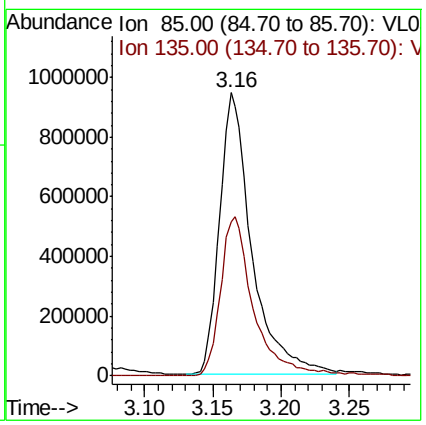


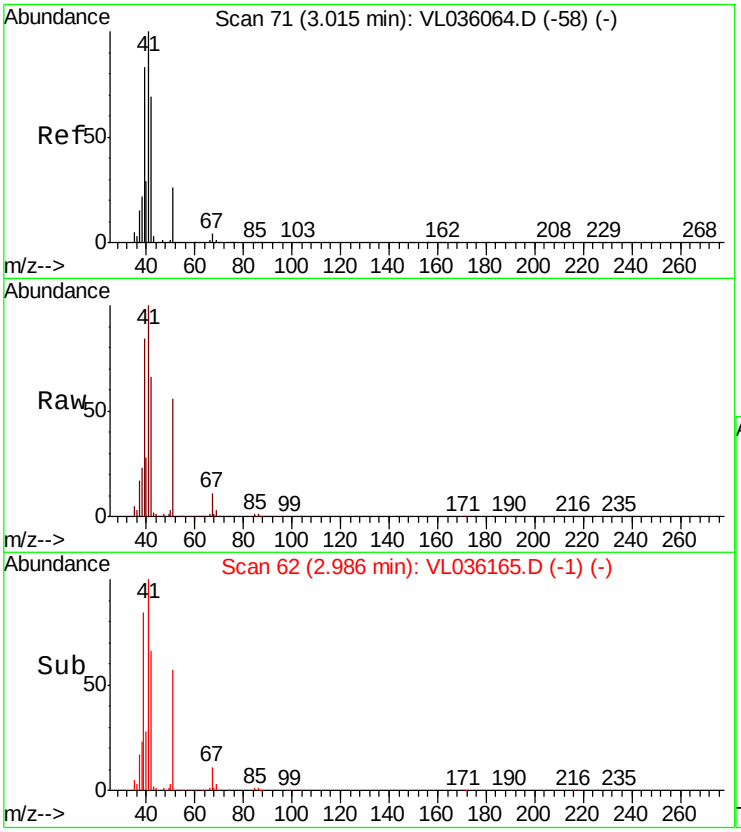


#8
Dichlorotetrafluoroethane
Concen: 9.969 ppbv
RT: 3.16 min Scan# 117
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 85 Resp: 1559518

Ion	Ratio	Lower	Upper
85	100		
135	58.8	53.8	80.8



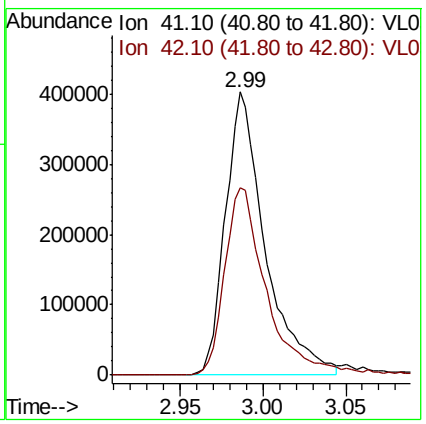


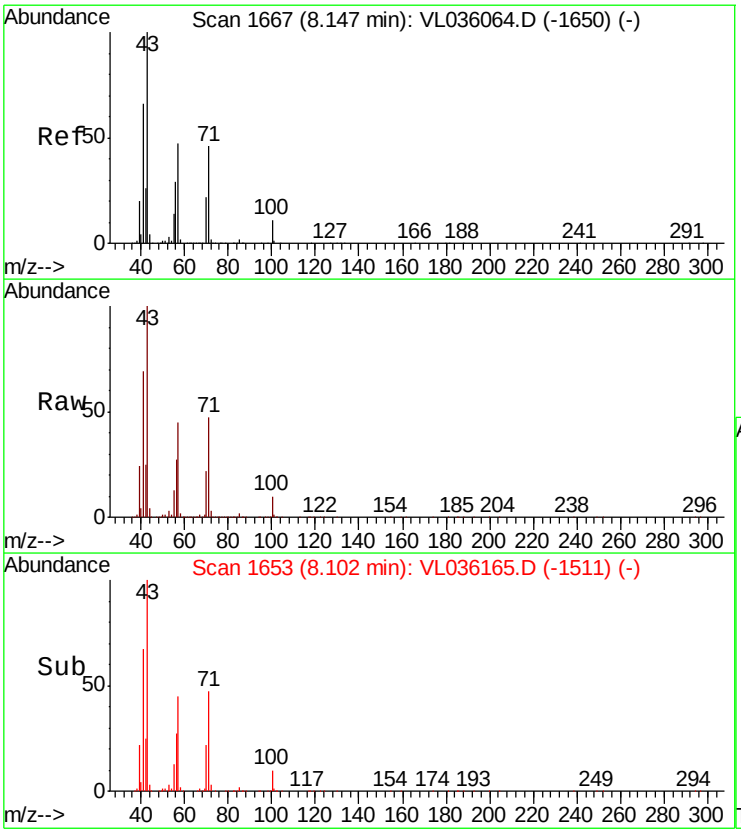
#9
Propene
Concen: 9.682 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 668409

Ion	Ratio	Lower	Upper
41	100		
42	70.8	57.0	85.6

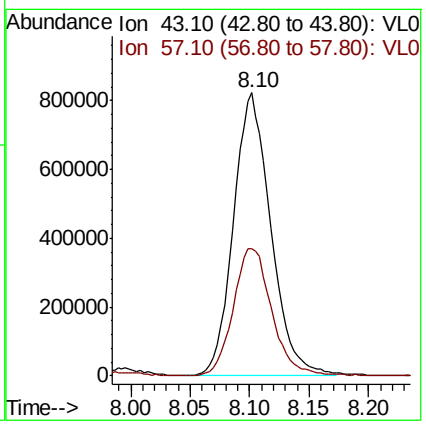


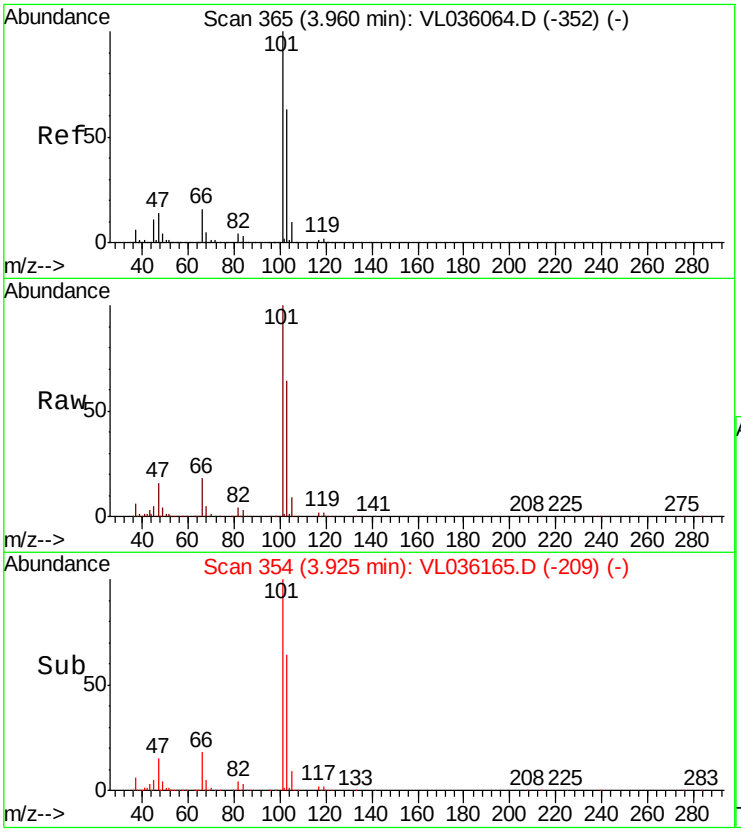


#10
Heptane
Concen: 10.062 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 43 Resp: 1774065

Ion	Ratio	Lower	Upper
43	100		
57	47.1	37.9	56.9



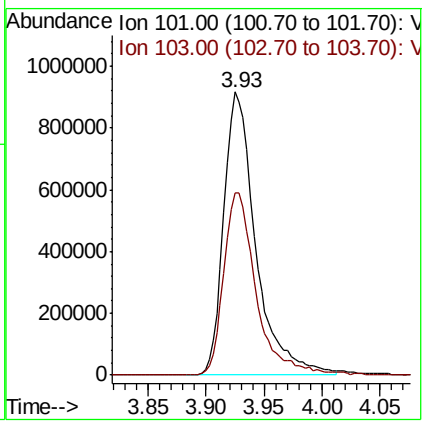


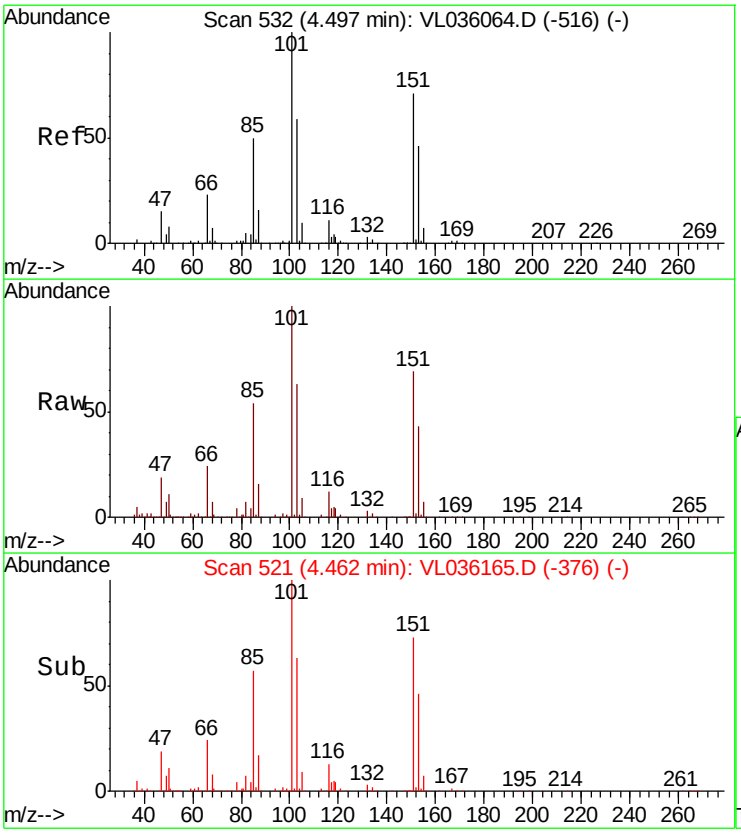
#11
Trichlorofluoromethane
Concen: 10.599 ppbv
RT: 3.93 min Scan# 354
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1754009

Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.3	75.5

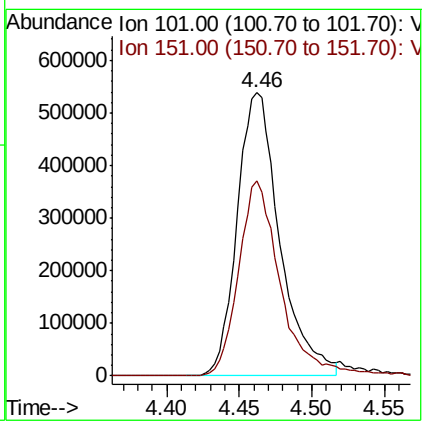


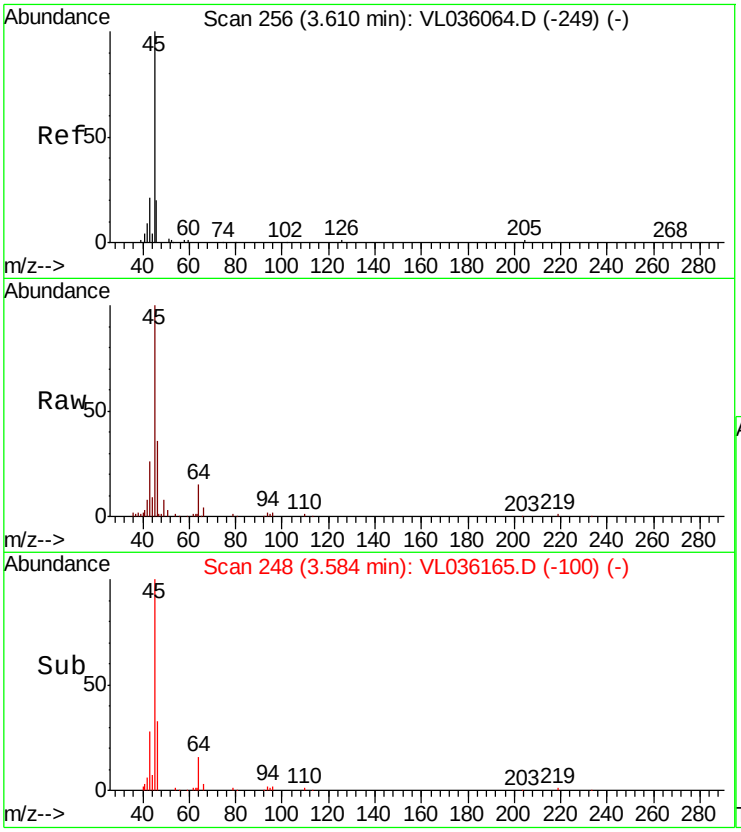


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.807 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:101 Resp: 1102210

Ion	Ratio	Lower	Upper
101	100		
151	68.4	59.3	88.9



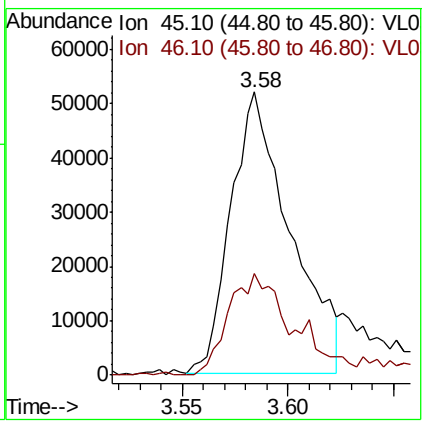


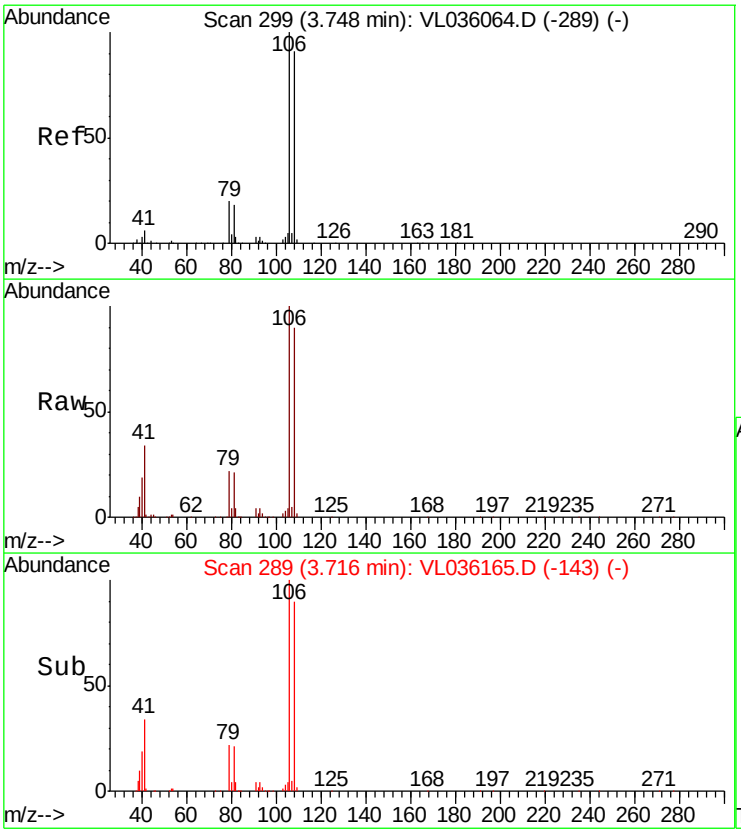
#13
Ethanol
Concen: 10.655 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 101398

Ion	Ratio	Lower	Upper
45	100		
46	40.6	19.0	75.8

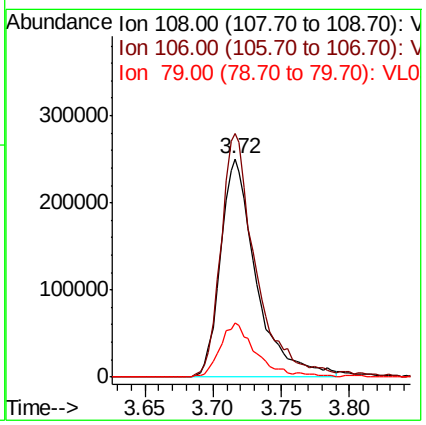


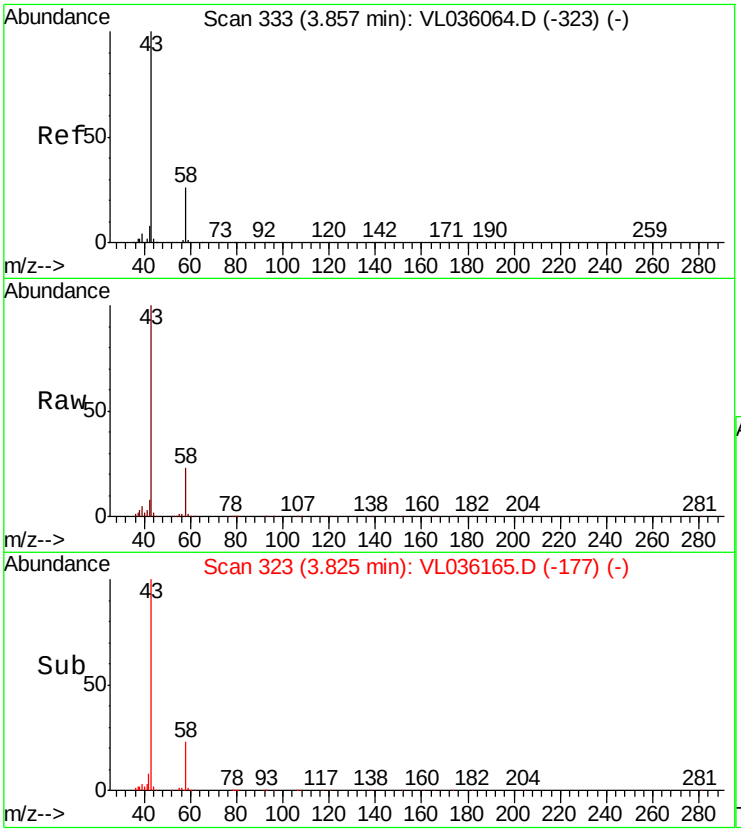


#14
Bromoethene
Concen: 9.888 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:108 Resp: 455913

Ion	Ratio	Lower	Upper
108	100		
106	111.8	91.0	136.4
79	25.7	19.3	28.9



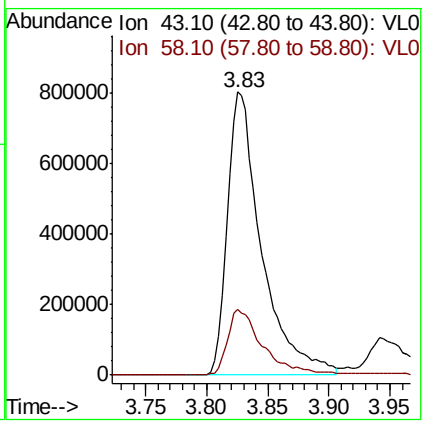


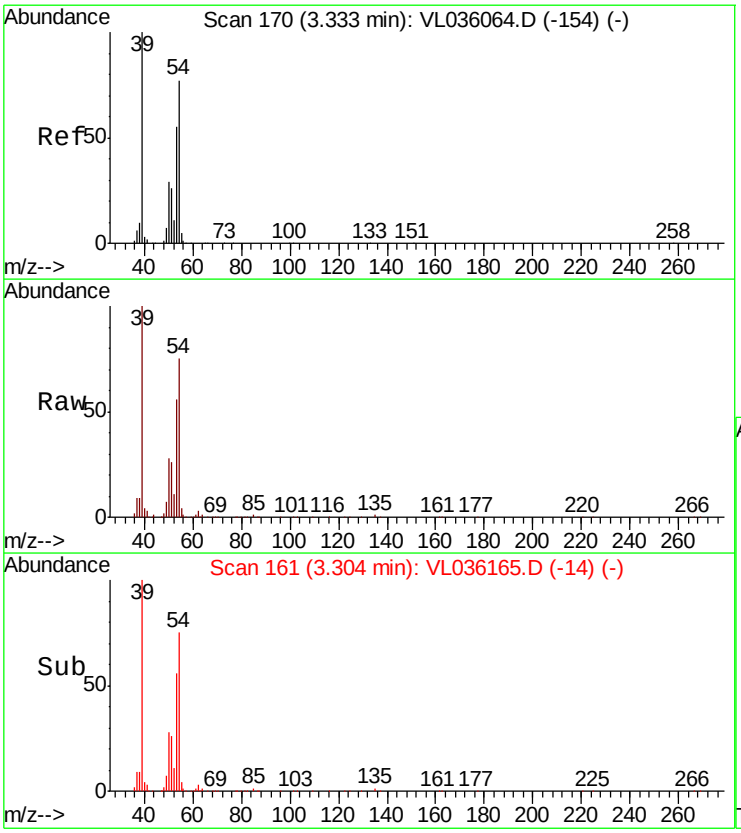
#15
Acetone
Concen: 10.812 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1569491

Ion	Ratio	Lower	Upper
43	100		
58	24.4	20.9	31.3

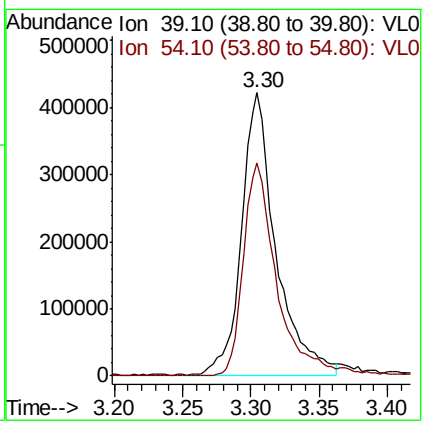


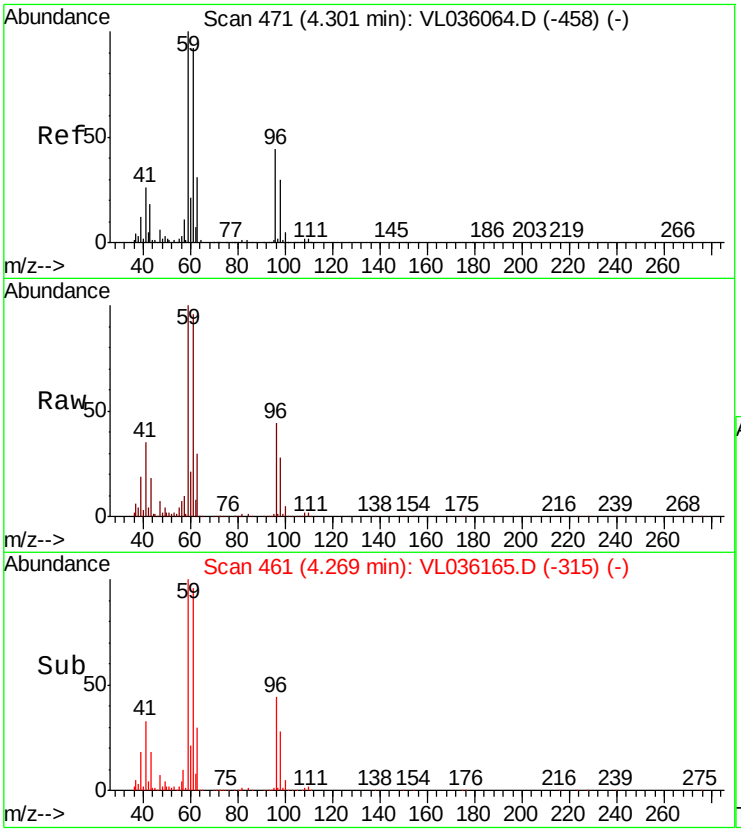


#16
1,3-Butadiene
Concen: 10.074 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 39 Resp: 736540

Ion	Ratio	Lower	Upper
39	100		
54	74.7	62.1	93.1



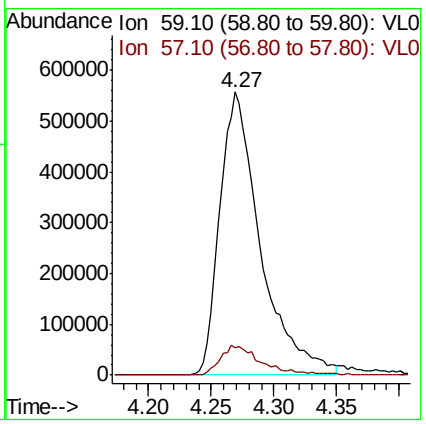


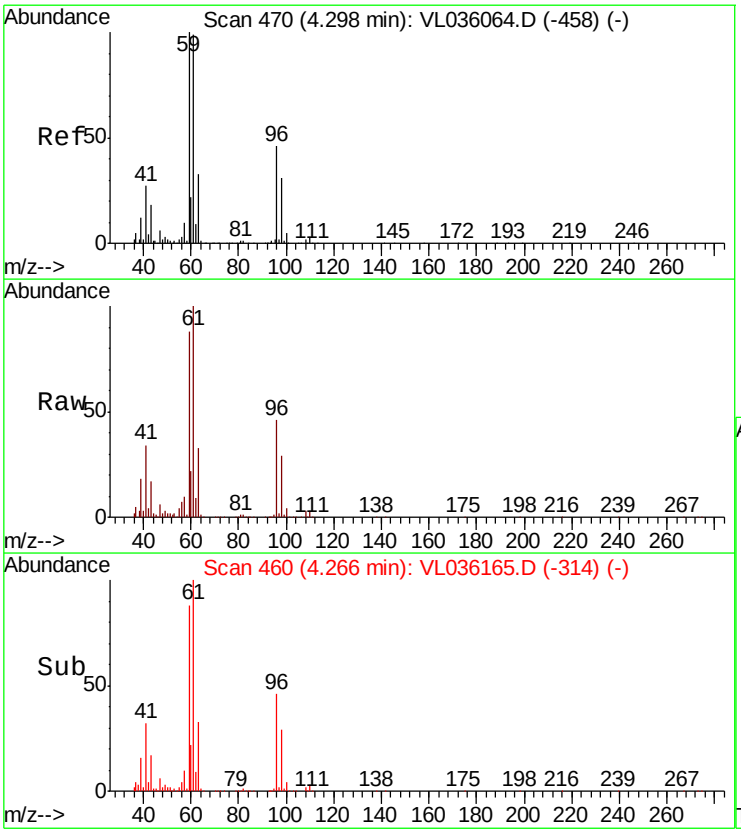
#17
tert-Butyl alcohol
Concen: 8.930 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1255647

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.7	13.1

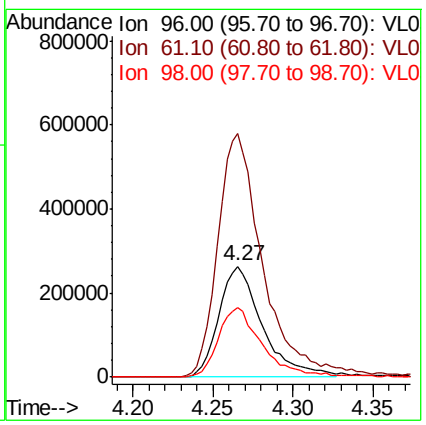


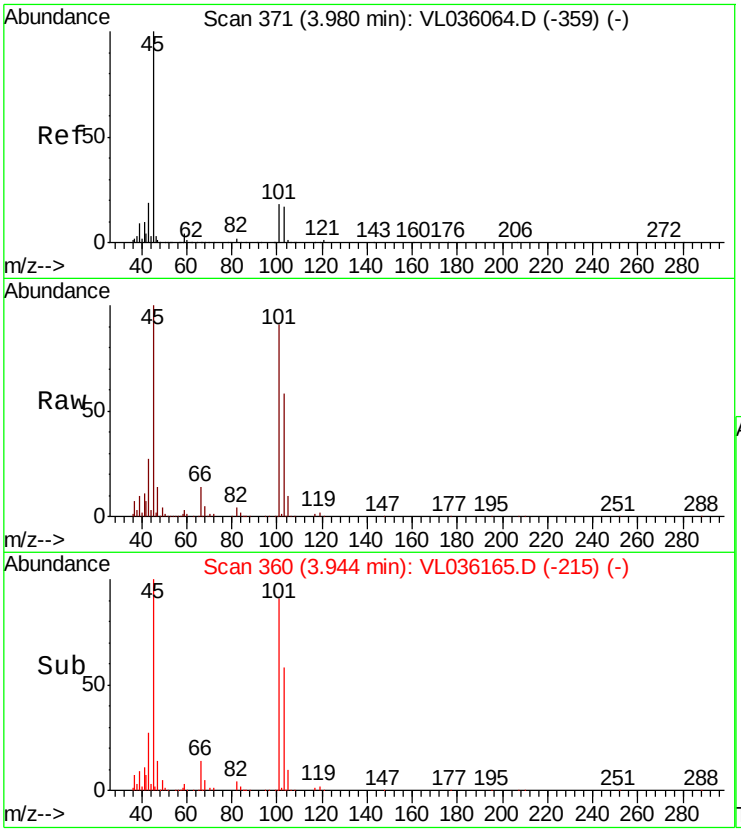


#18
1,1-Dichloroethene
Concen: 9.677 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 96 Resp: 482881

Ion	Ratio	Lower	Upper
96	100		
61	218.7	171.4	257.2
98	62.8	54.2	81.2



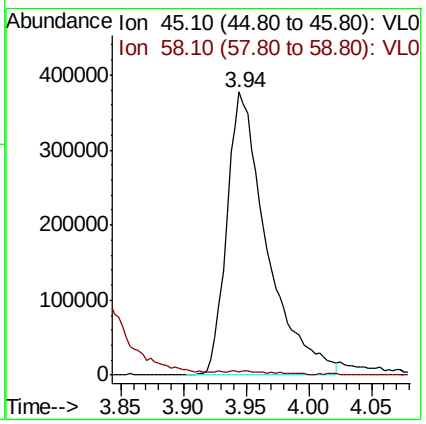


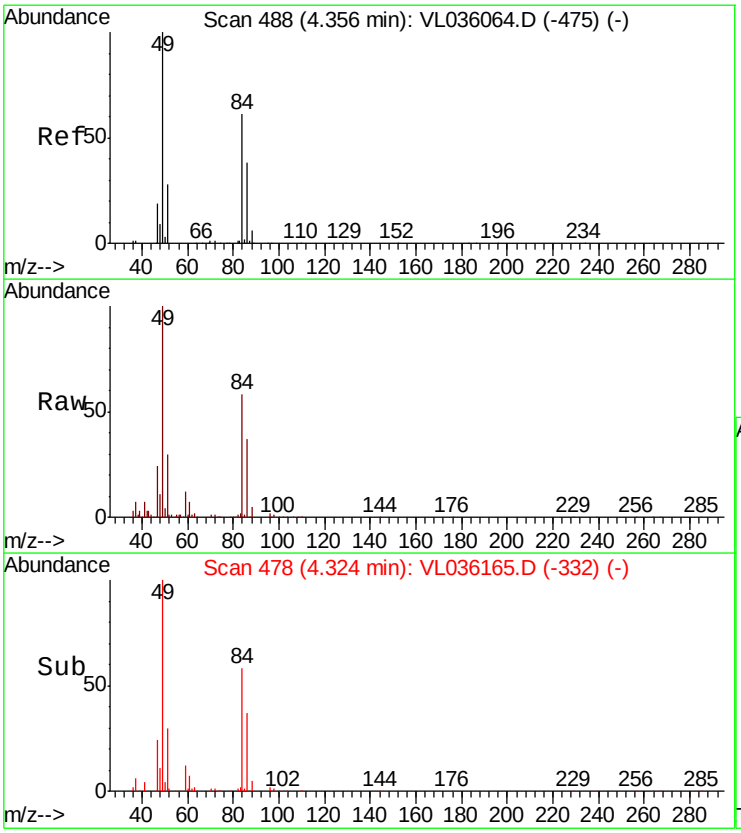
#19
Isopropyl Alcohol
Concen: 9.425 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 836187

Ion	Ratio	Lower	Upper
45	100		
58	2.6	0.0	0.0#

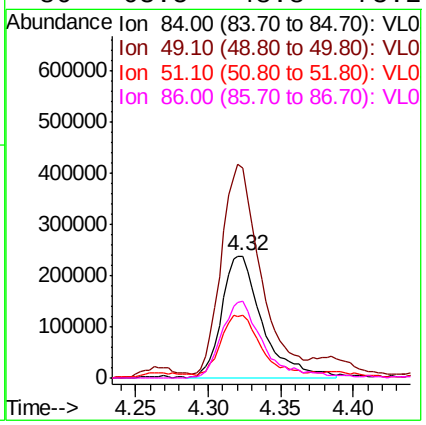


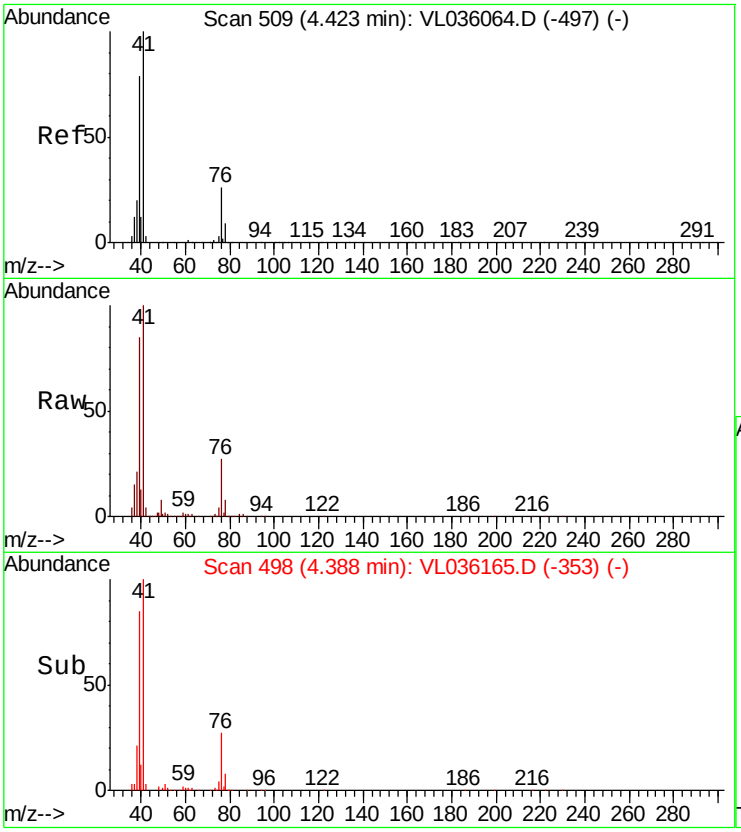


#20
Methylene Chloride
Concen: 7.719 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 84 Resp: 459178

Ion	Ratio	Lower	Upper
84	100		
49	169.0	133.0	199.4
51	49.1	38.9	58.3
86	63.5	48.8	73.2



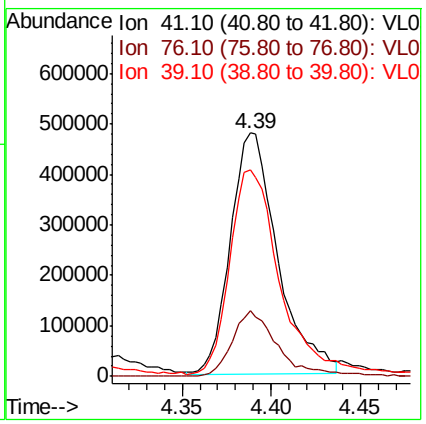


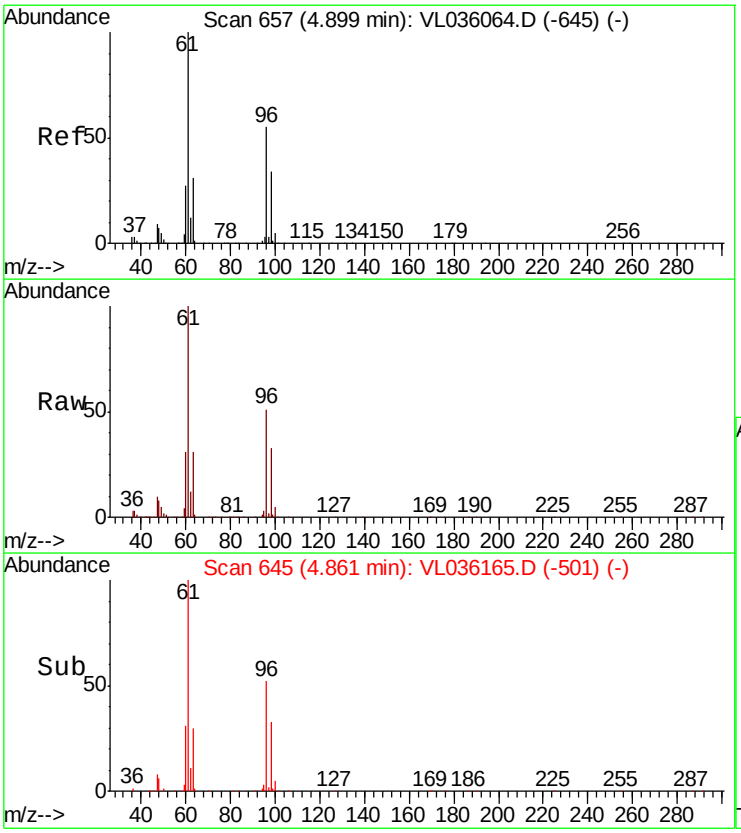
#21
Allyl Chloride
Concen: 9.100 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 878368

Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.0	31.4
39	93.1	66.0	99.0

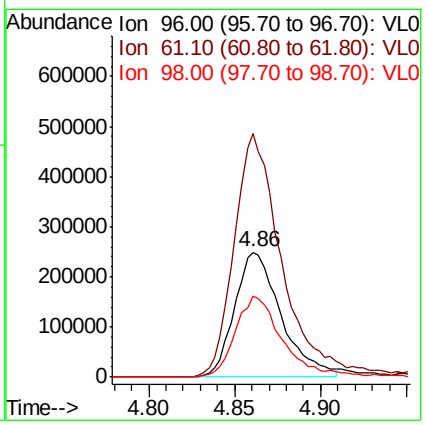


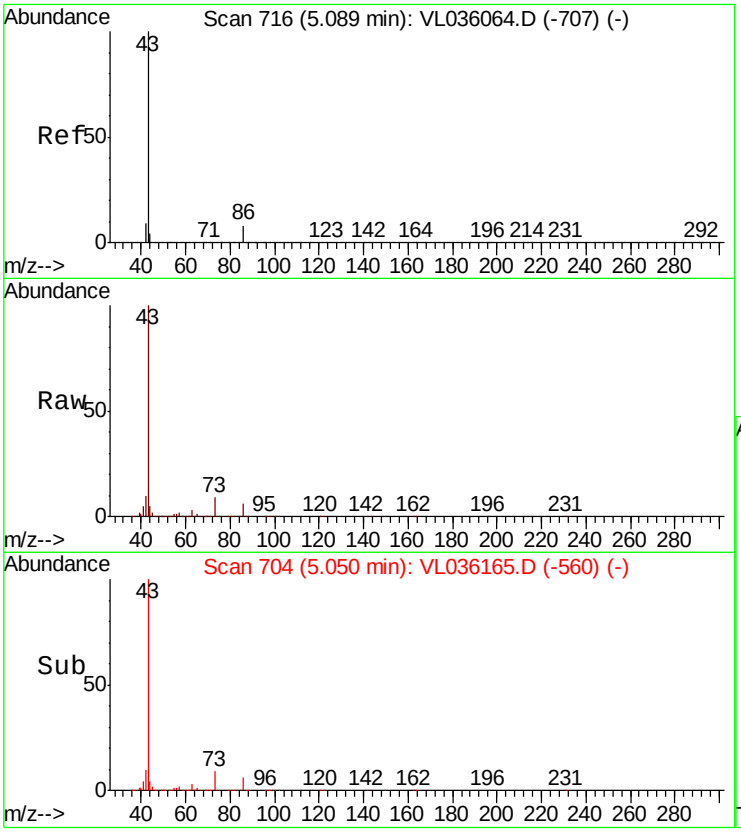


#22
trans-1,2-Dichloroethene
Concen: 9.373 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 96 Resp: 468289

Ion	Ratio	Lower	Upper
96	100		
61	194.4	145.7	218.5
98	64.6	49.2	73.8



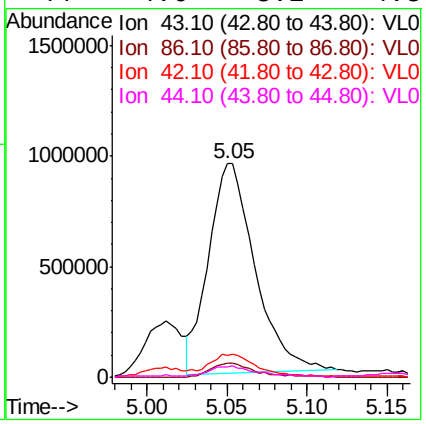


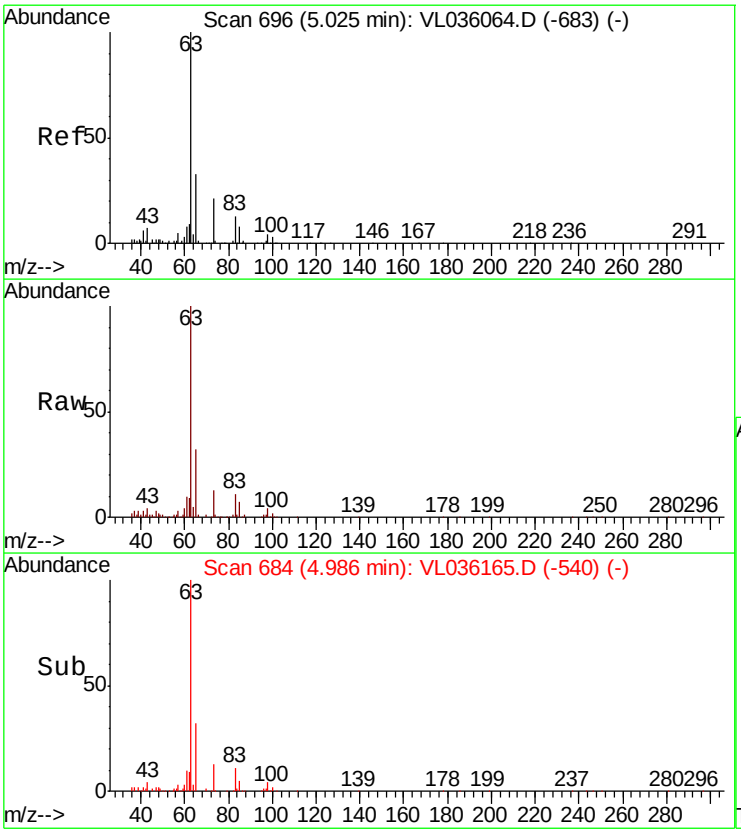
#23
Vinyl Acetate
Concen: 9.798 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1893633

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.0	7.4
42	10.1	7.8	11.6
44	4.6	3.2	4.8

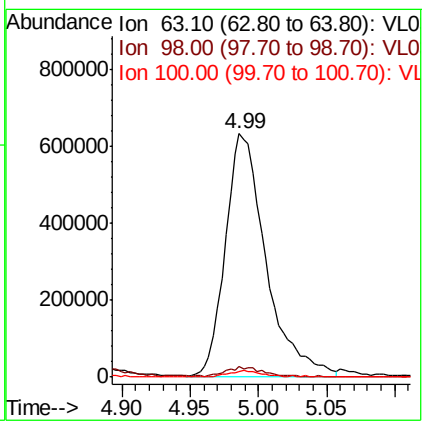


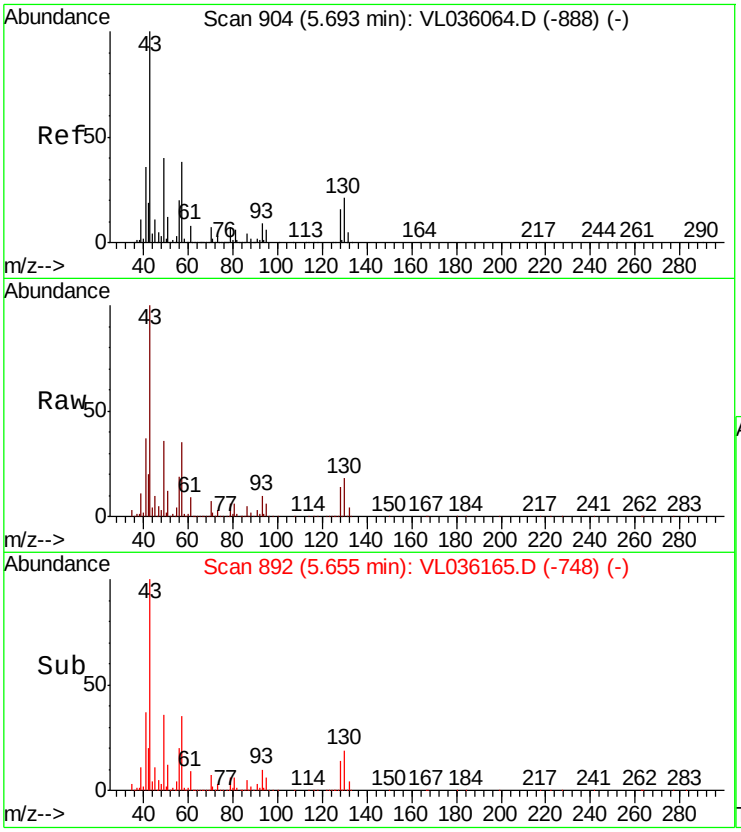


#24
1,1-Dichloroethane
Concen: 9.598 ppbv
RT: 4.99 min Scan# 684
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 63 Resp: 1304674

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	2.1	1.5	4.4



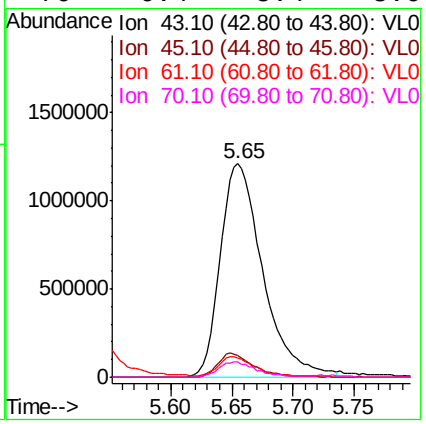


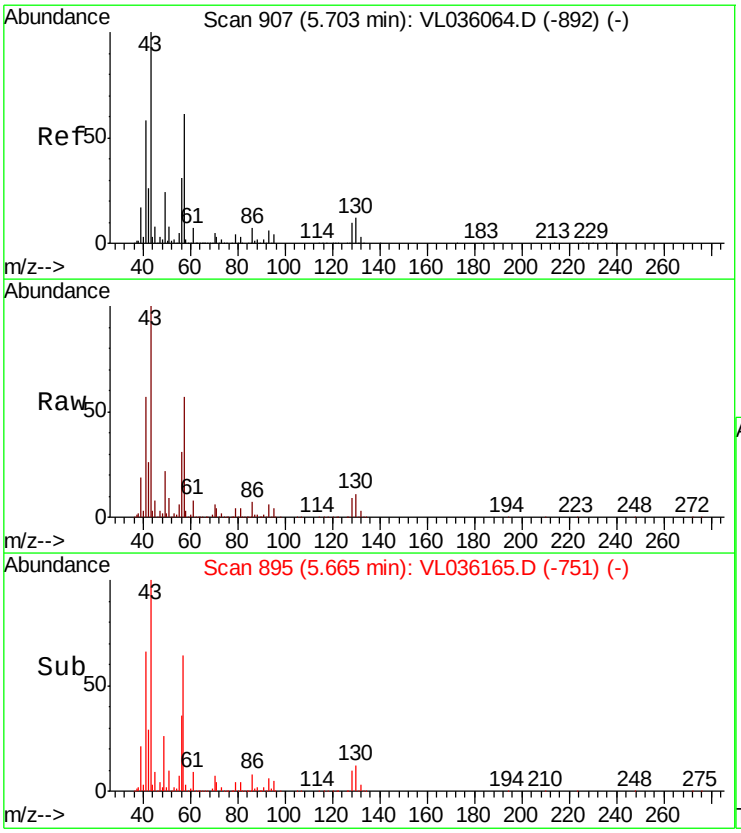
#25
Ethyl Acetate
Concen: 10.133 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2938535

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	8.7	7.4	11.2
70	6.4	5.4	8.0

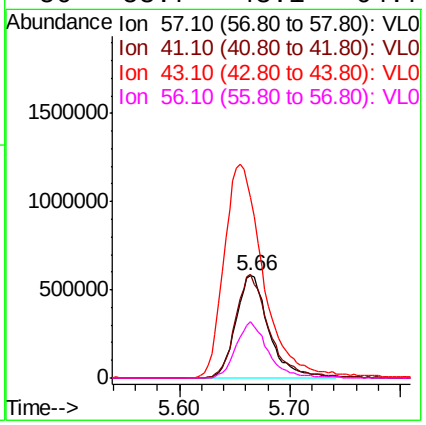


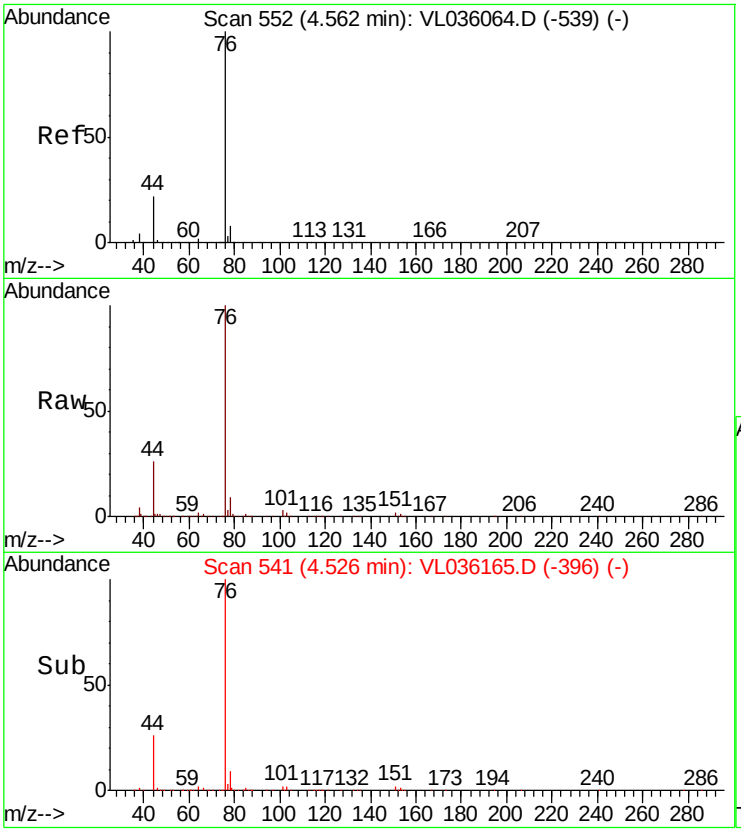


#26
Hexane
Concen: 9.201 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 57 Resp: 1200887

Ion	Ratio	Lower	Upper
57	100		
41	104.6	82.9	124.3
43	249.0	199.9	299.9
56	53.7	43.1	64.7



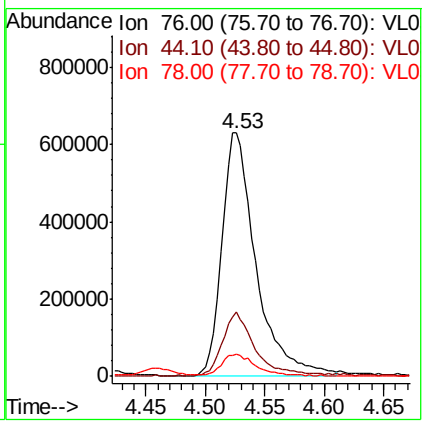


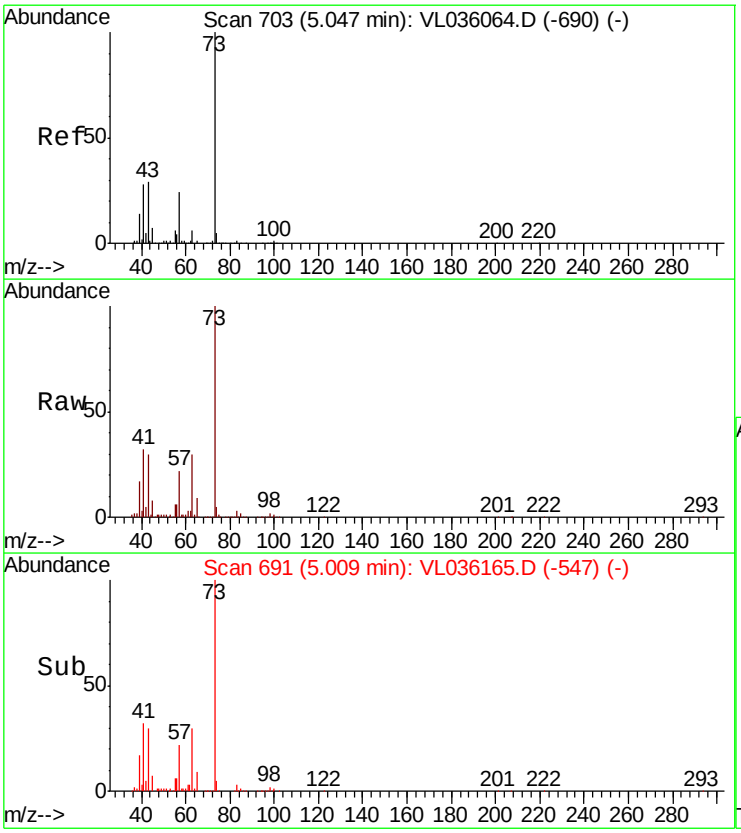
#27
Carbon Disulfide
Concen: 9.615 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1247224

Ion	Ratio	Lower	Upper
76	100		
44	25.1	17.9	26.9
78	9.6	7.8	11.8

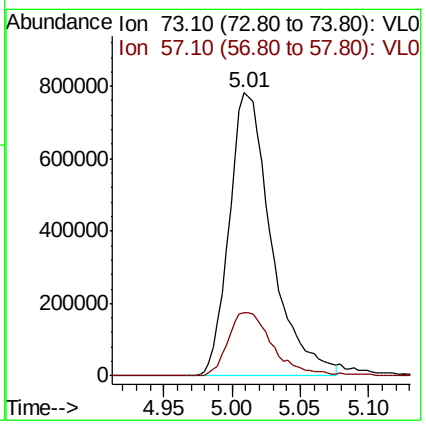


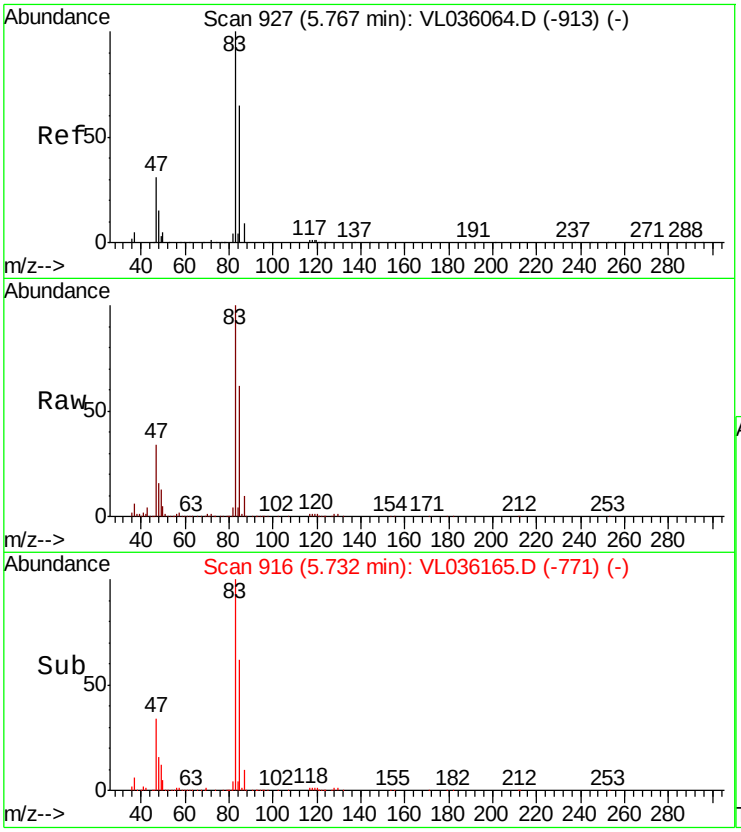


#28
Methyl tert-Butyl Ether
Concen: 9.077 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 73 Resp: 1684319

Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.2	28.8



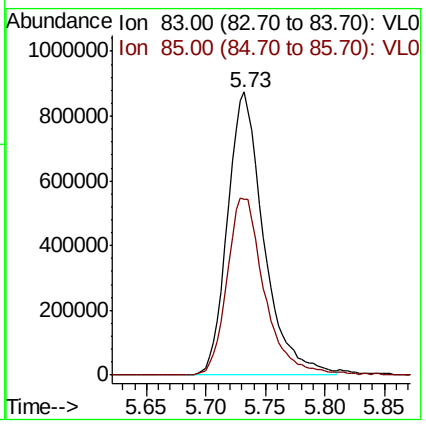


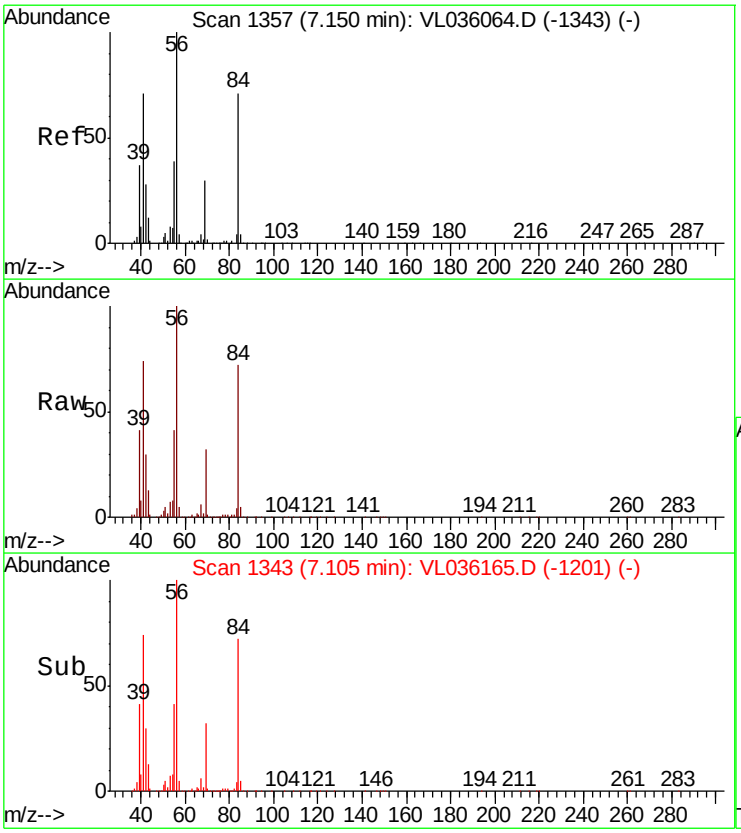
#29
Chloroform
Concen: 10.751 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1842721

Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6

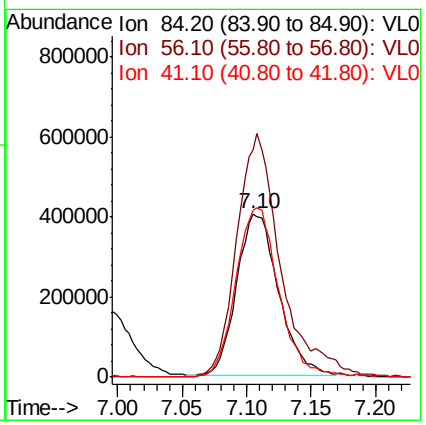


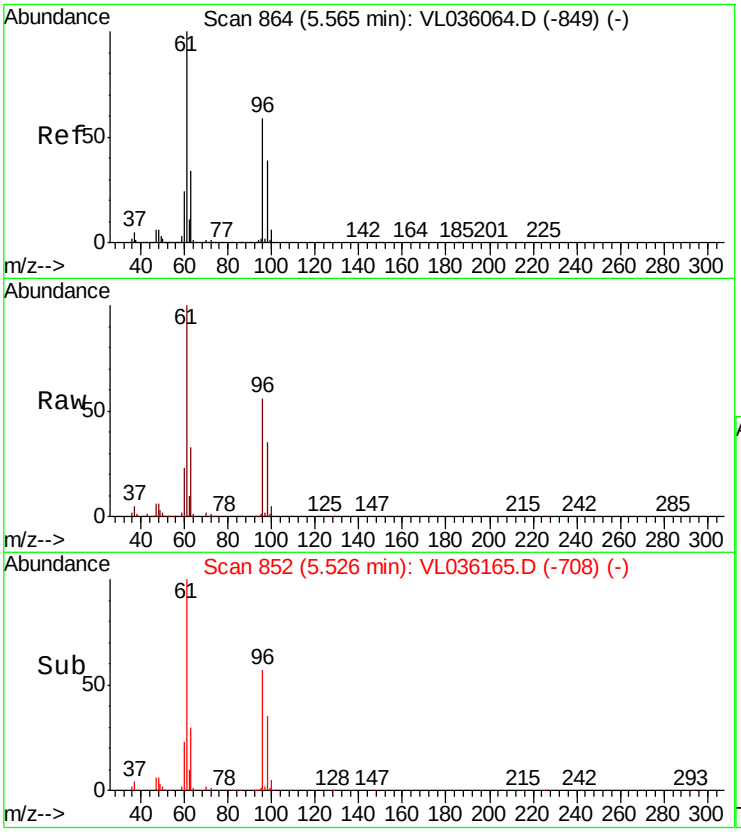


#30
Cyclohexane
Concen: 9.542 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 84 Resp: 914849

Ion	Ratio	Lower	Upper
84	100		
56	159.2	128.0	192.0
41	108.2	81.3	121.9



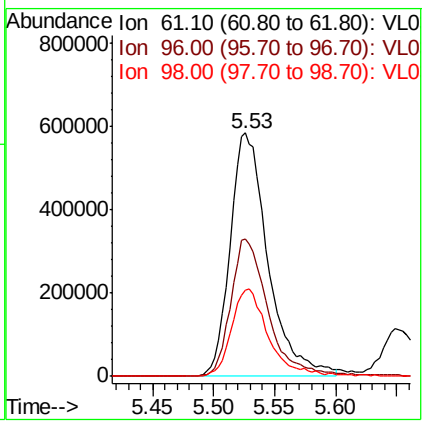


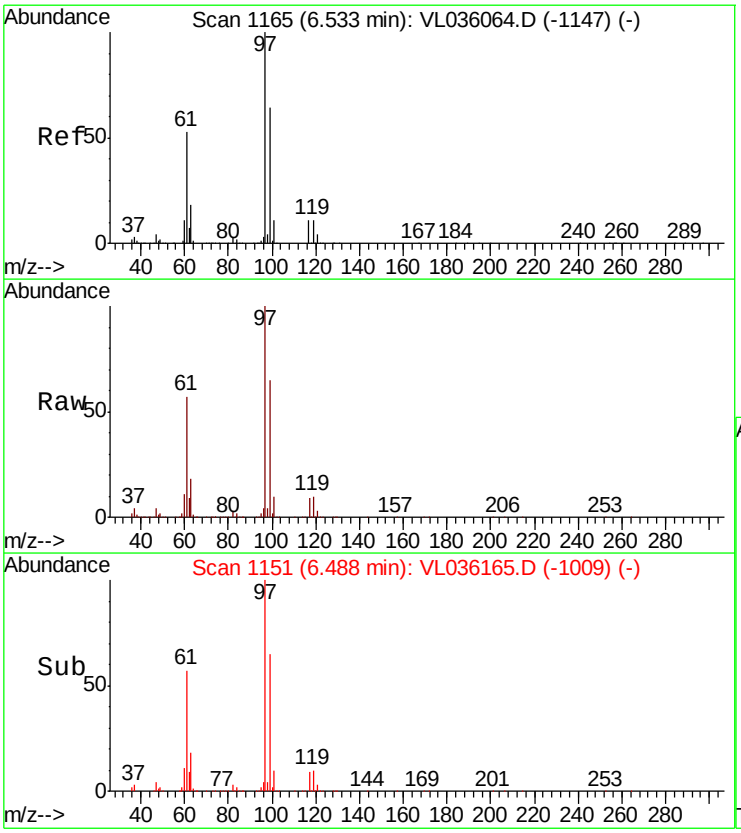
#31
cis-1,2-Dichloroethene
Concen: 10.593 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1256731

Ion	Ratio	Lower	Upper
61	100		
96	56.3	47.3	70.9
98	35.3	31.4	47.0

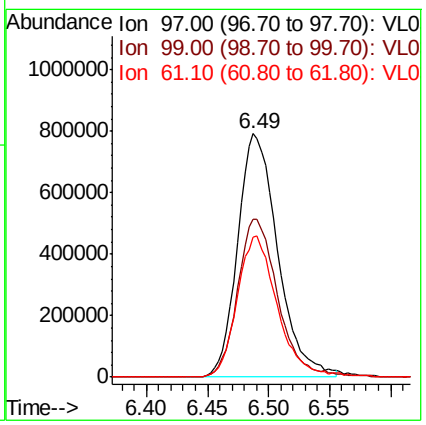


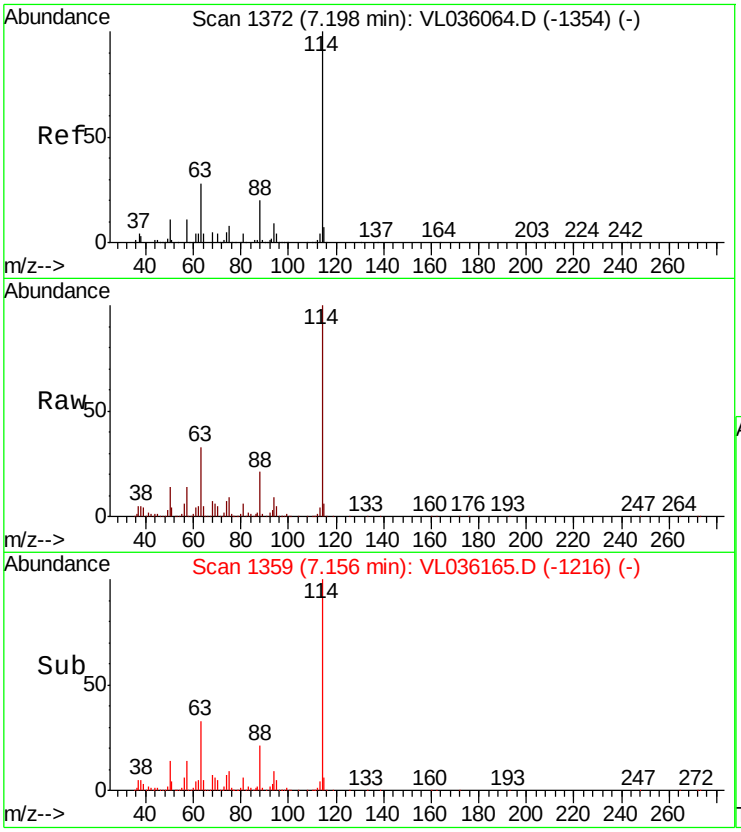


#32
1,1,1-Trichloroethane
Concen: 10.189 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 97 Resp: 1801993

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.4	78.6
61	58.0	43.4	65.0



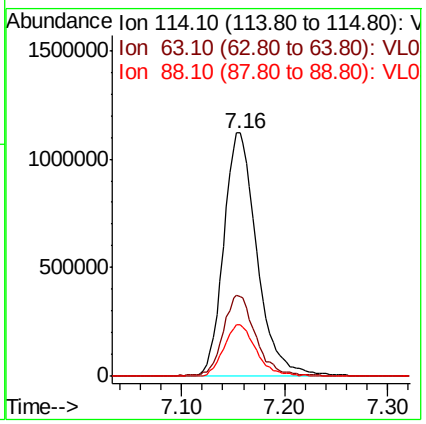


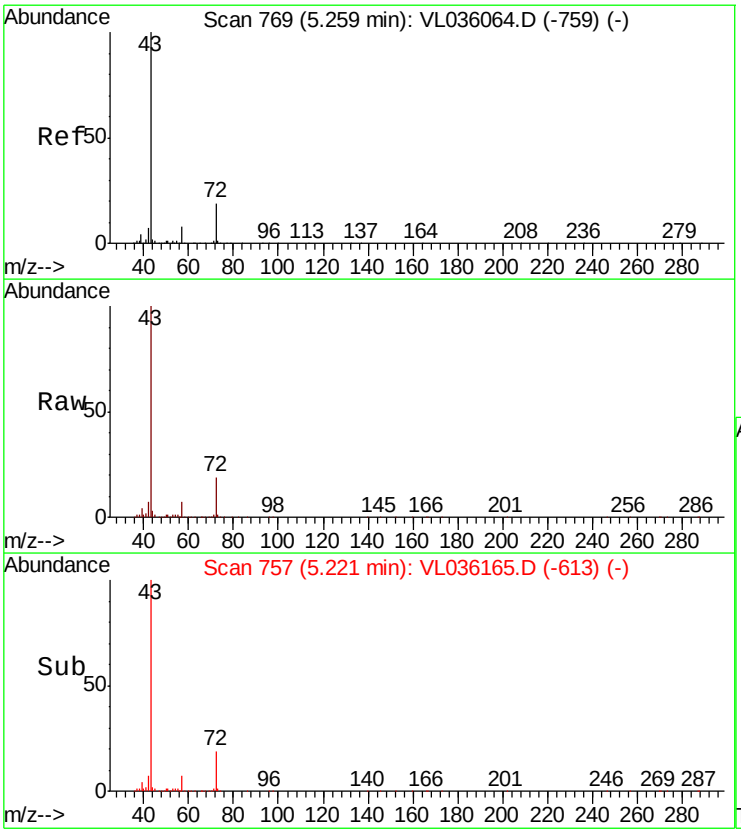
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2520625

Ion	Ratio	Lower	Upper
114	100		
63	33.3	23.6	35.4
88	21.0	15.8	23.6

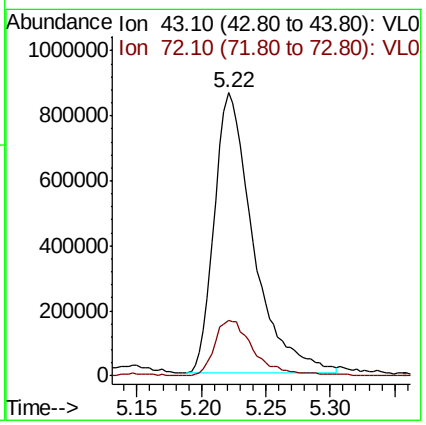


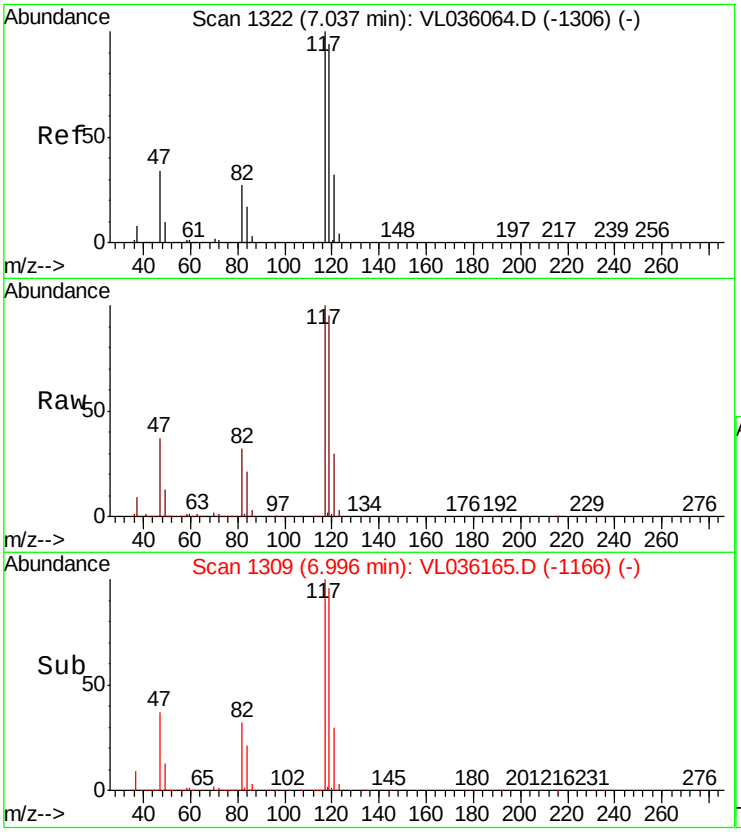


#34
2-Butanone
Concen: 10.824 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 43 Resp: 1809726

Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.5	24.7



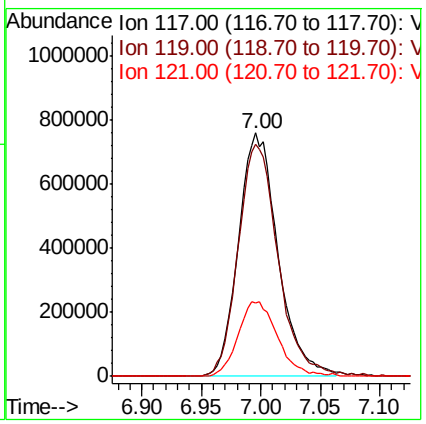


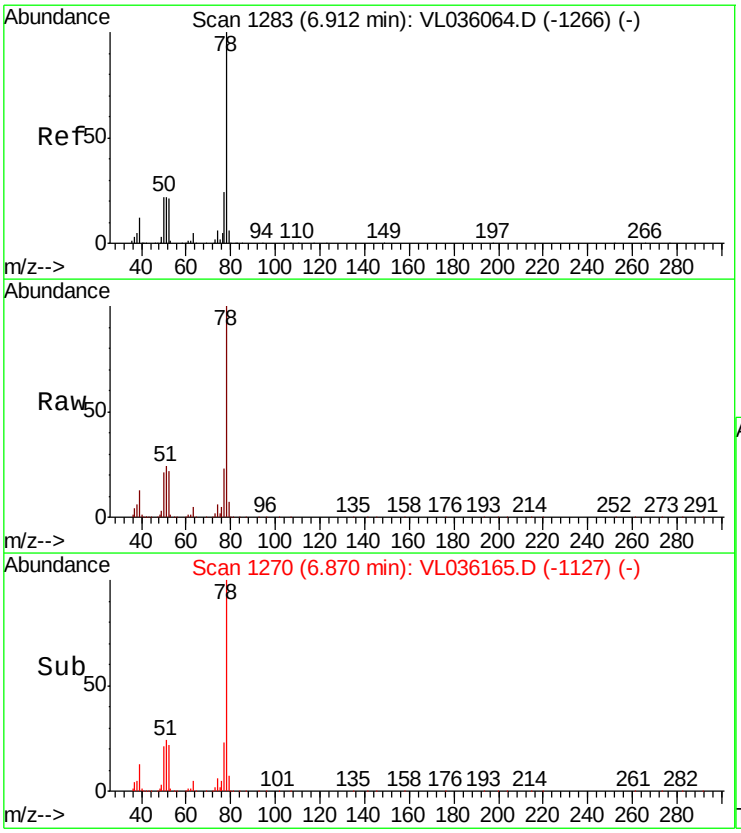
#35
Carbon Tetrachloride
Concen: 11.856 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1742733

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
121	30.1	25.6	38.4

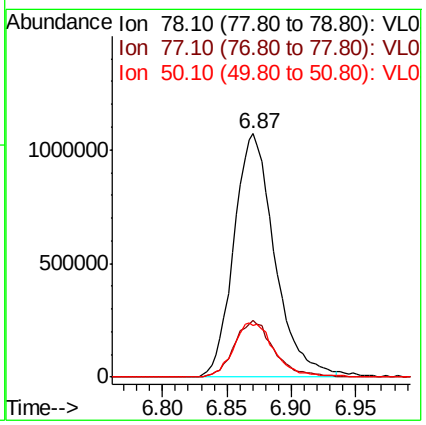


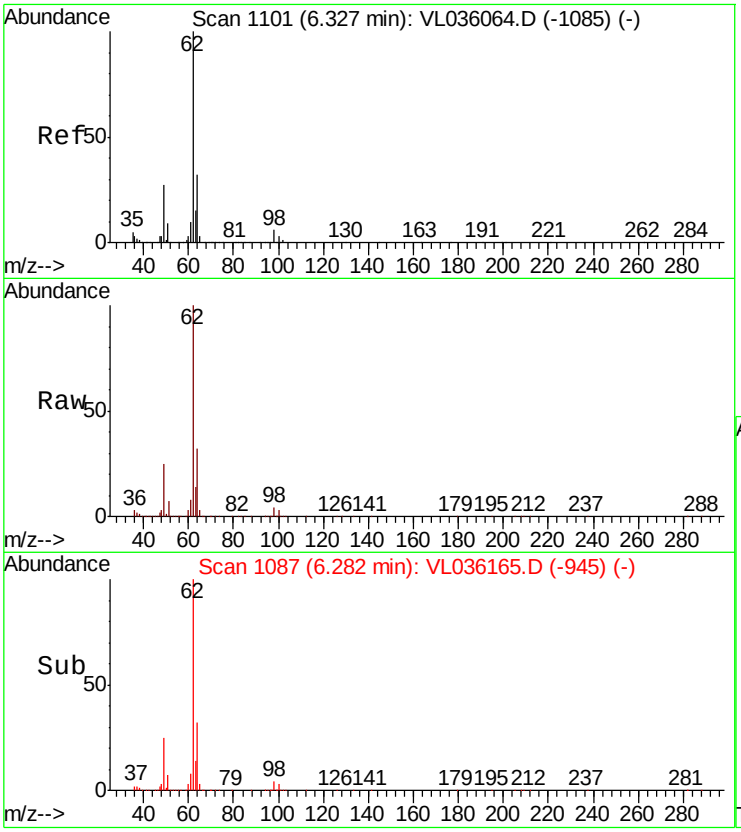


#36
Benzene
Concen: 11.038 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 78 Resp: 2357982

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.2
50	21.4	17.8	26.8



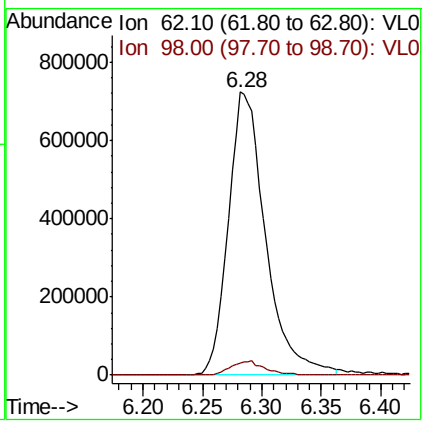


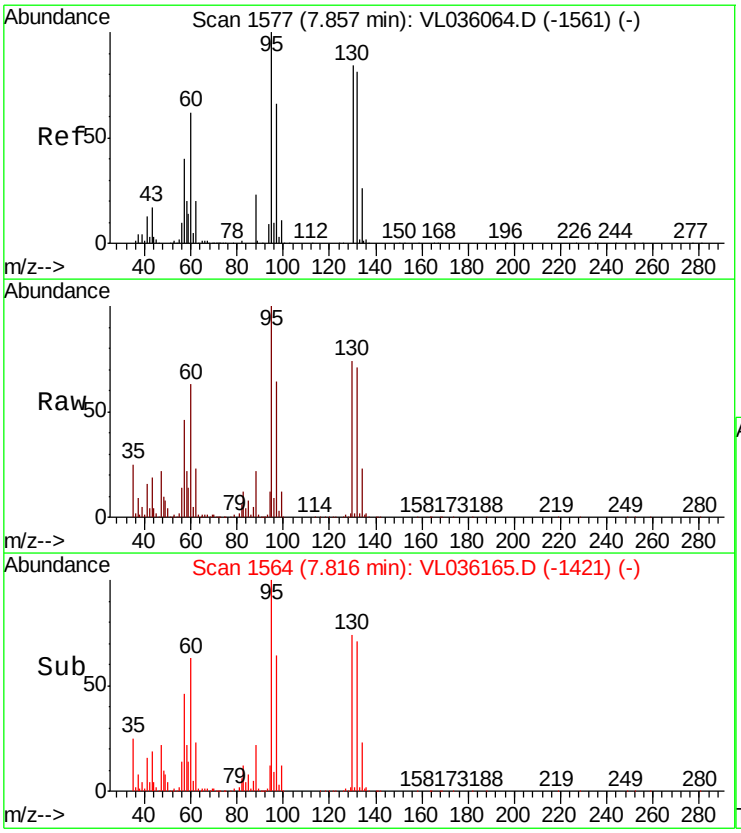
#37
1,2-Dichloroethane
Concen: 12.669 ppbv
RT: 6.28 min Scan# 1087
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1568201

Ion	Ratio	Lower	Upper
62	100		
98	4.8	4.6	7.0

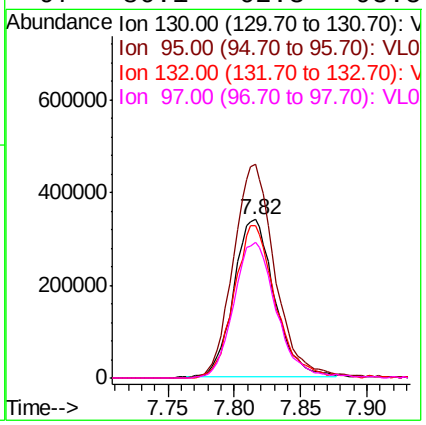


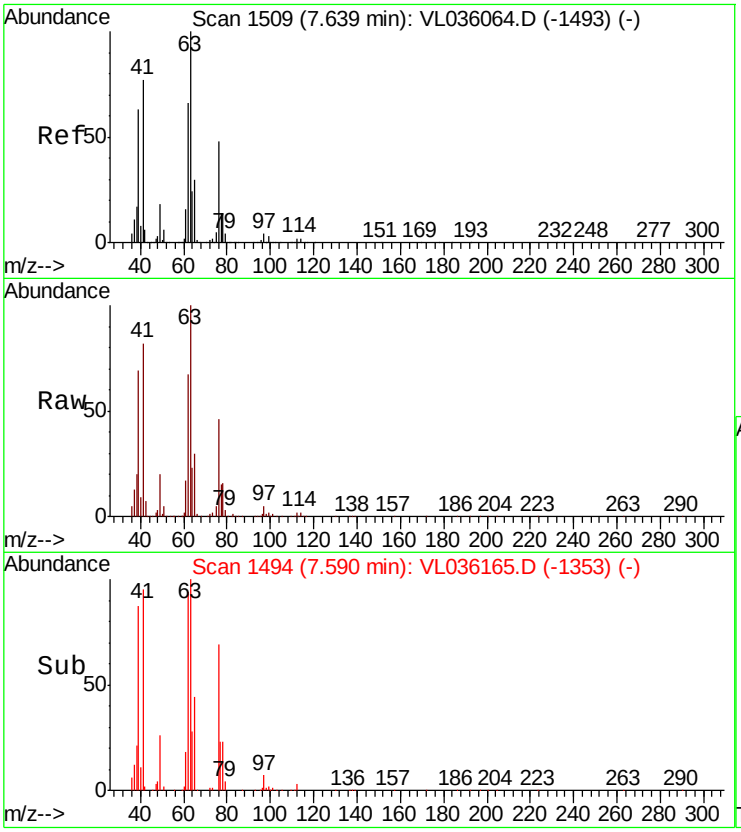


#38
Trichloroethene
Concen: 9.199 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:130 Resp: 734549

Ion	Ratio	Lower	Upper
130	100		
95	135.2	95.2	142.8
132	96.1	76.9	115.3
97	86.1	62.3	93.5



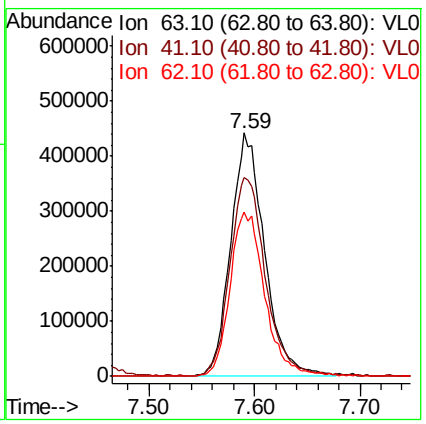


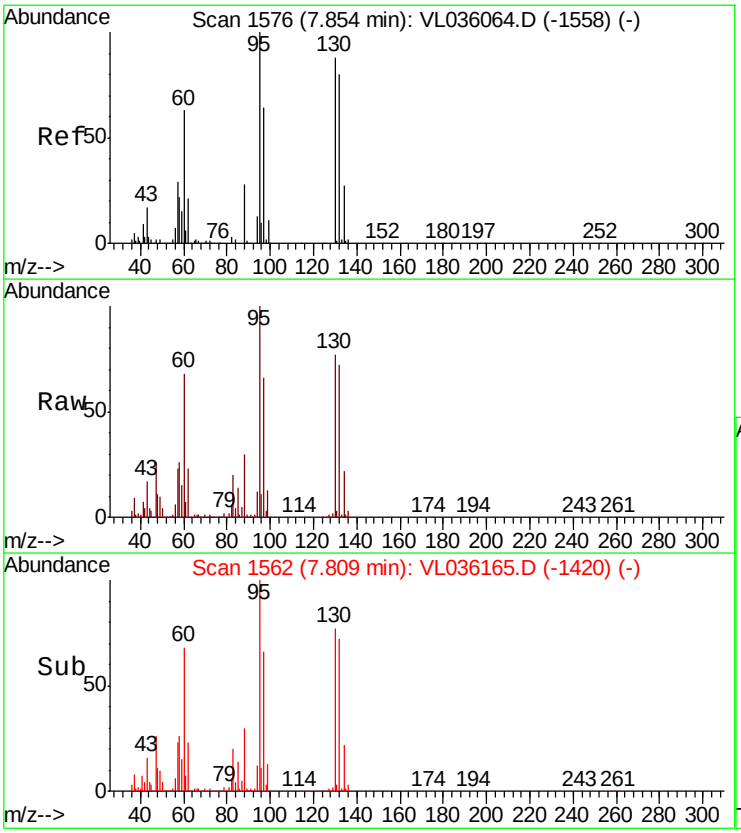
#39
1,2-Dichloropropane
Concen: 11.692 ppbv
RT: 7.59 min Scan# 1494
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 986361

Ion	Ratio	Lower	Upper
63	100		
41	81.3	61.9	92.9
62	67.3	52.5	78.7

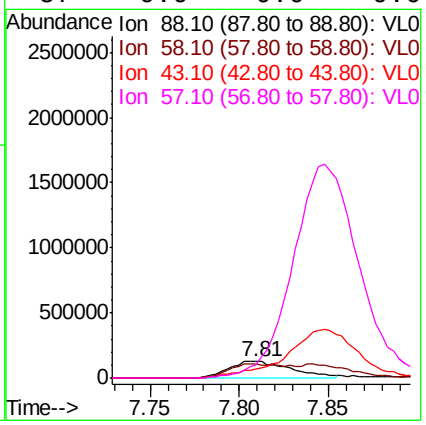


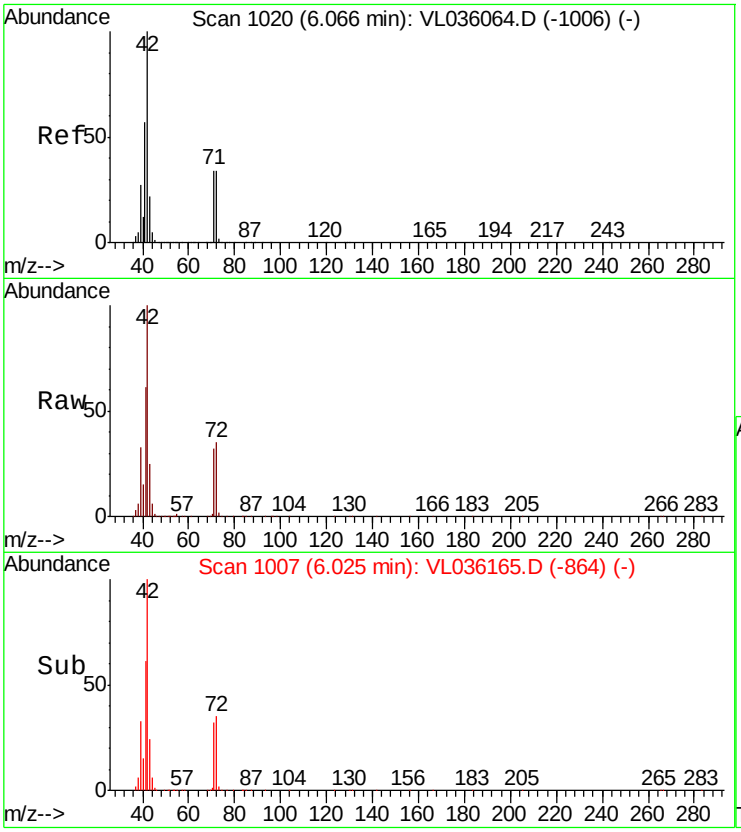


#40
1,4-Dioxane
Concen: 11.461 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 88 Resp: 304091

Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



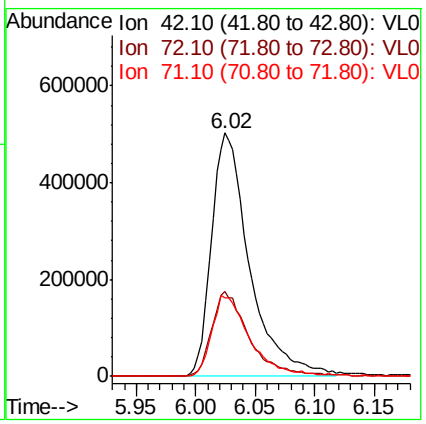


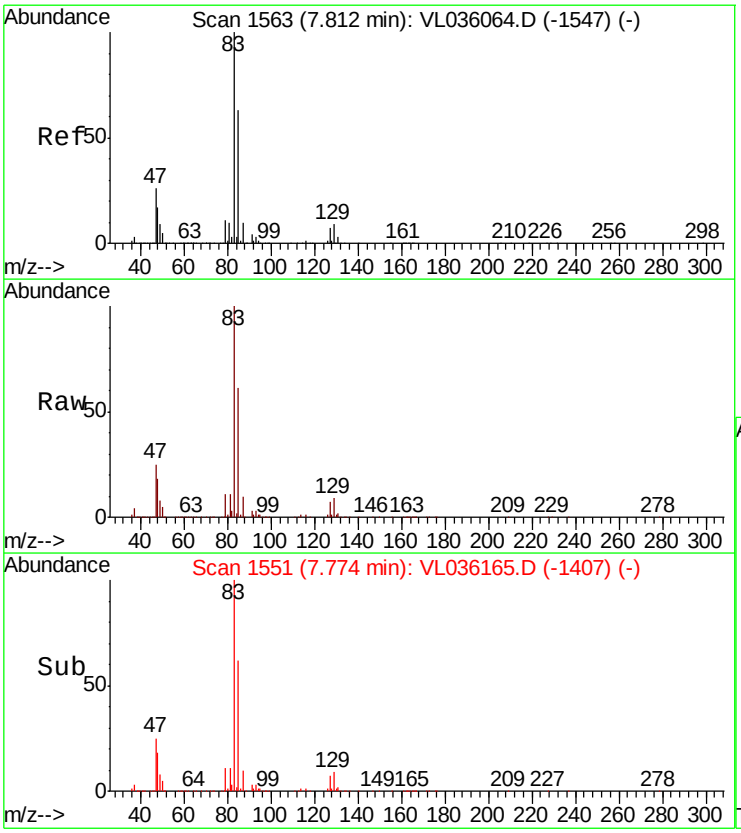
#41
Tetrahydrofuran
Concen: 11.157 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1108204

Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.3	42.5
71	33.9	27.3	40.9

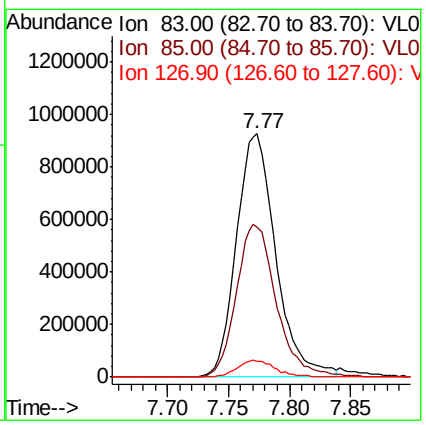


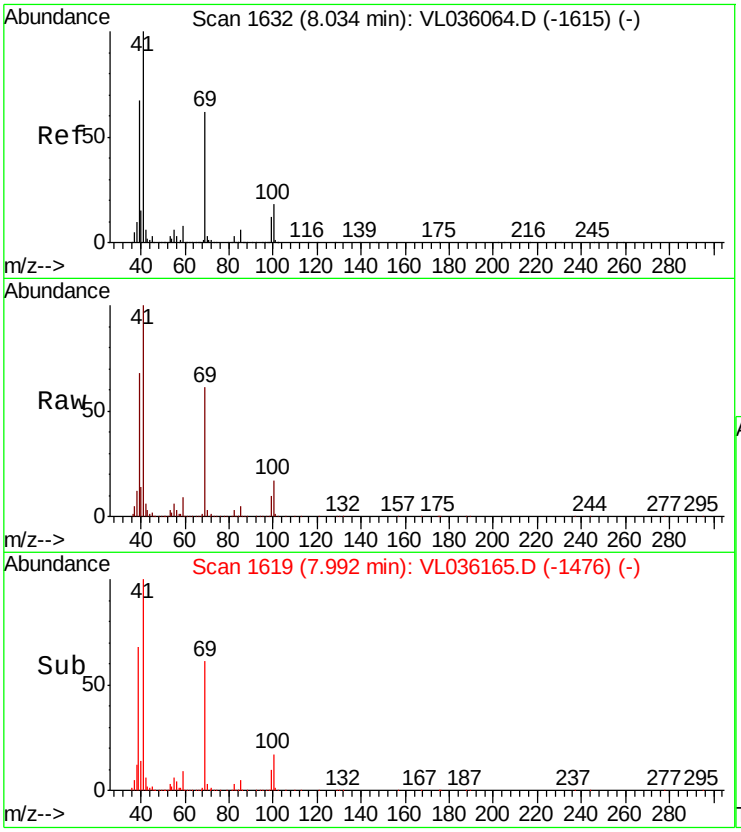


#42
Bromodichloromethane
Concen: 12.535 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 83 Resp: 2067603

Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.2
127	6.6	5.5	8.3



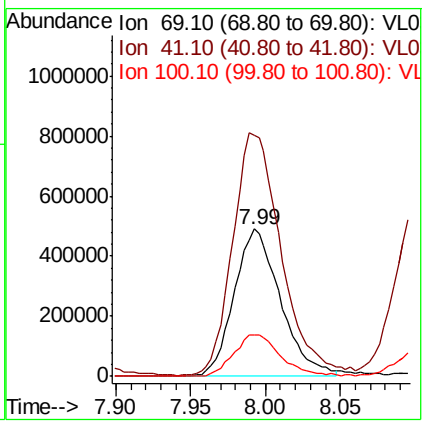


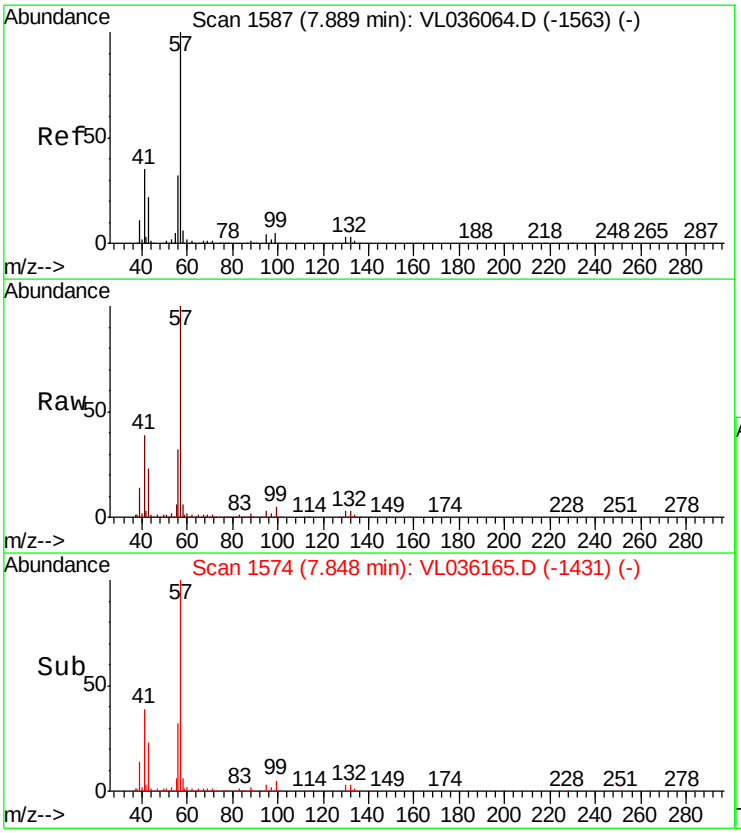
#43
Methyl Methacrylate
Concen: 11.485 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1052514

Ion	Ratio	Lower	Upper
69	100		
41	174.0	133.0	199.6
100	29.1	25.4	38.0

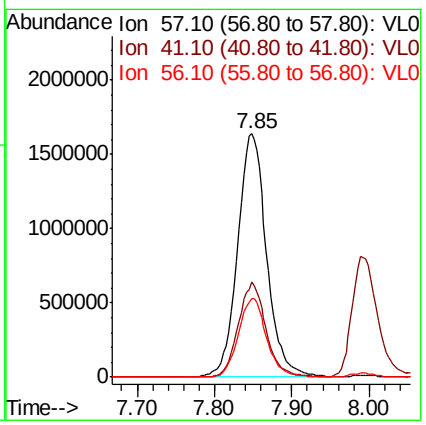


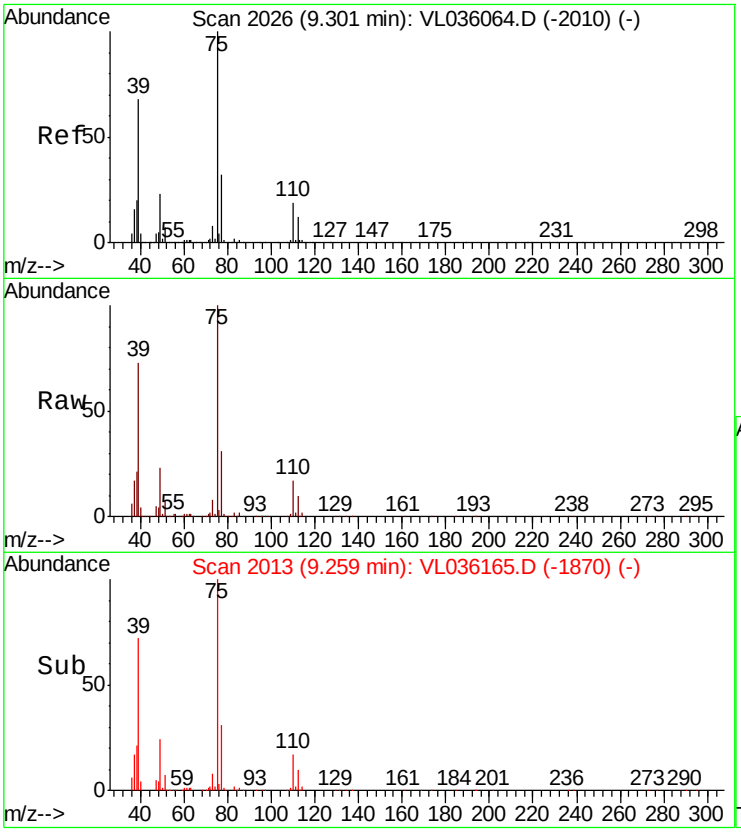


#44
2,2,4-Trimethylpentane
Concen: 11.035 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 57 Resp: 4269044

Ion	Ratio	Lower	Upper
57	100		
41	36.9	28.9	43.3
56	31.4	25.3	37.9



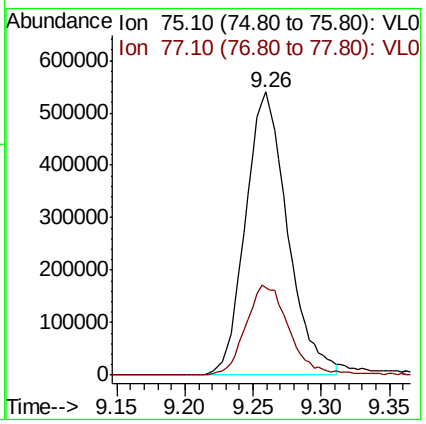


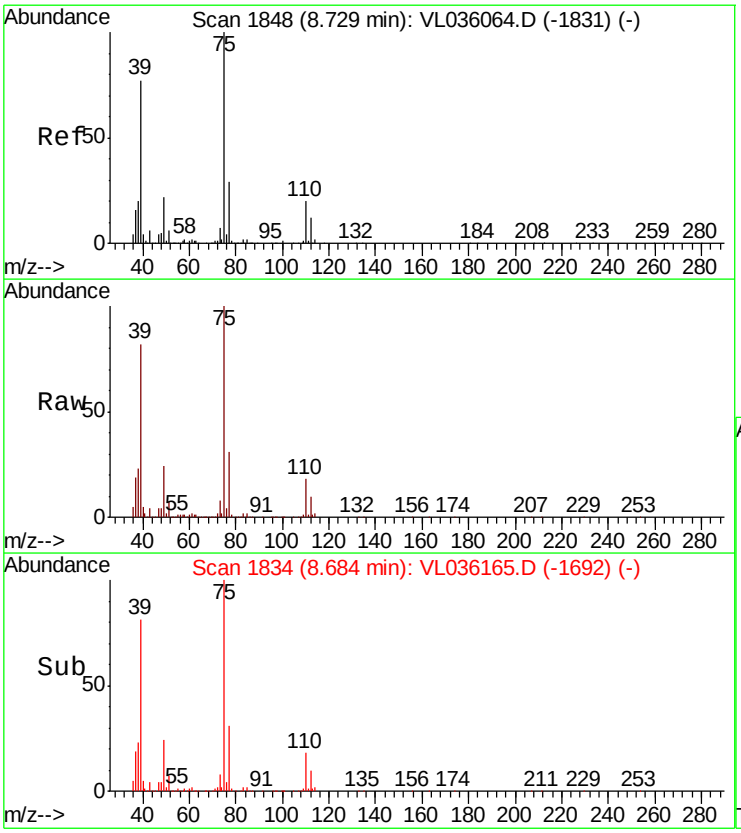
#45
t-1,3-Dichloropropene
Concen: 12.268 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1154995

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0

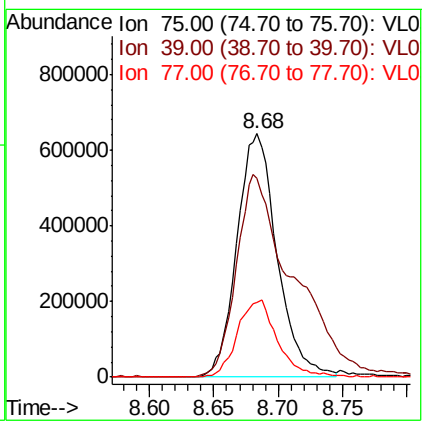


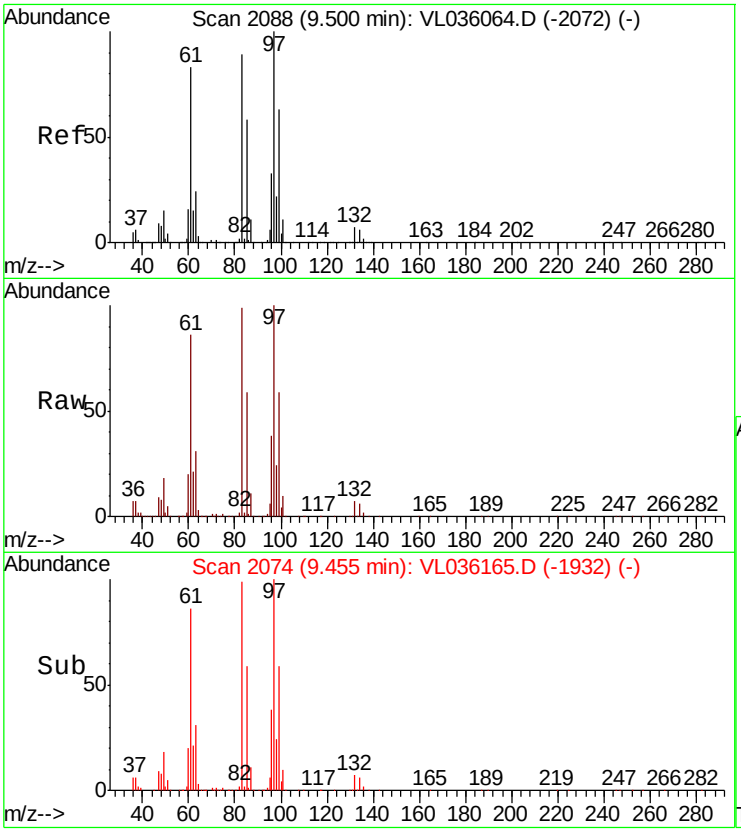


#46
cis-1,3-Dichloropropene
Concen: 11.827 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 75 Resp: 1395700

Ion	Ratio	Lower	Upper
75	100		
39	81.5	61.6	92.4
77	30.9	23.0	34.6



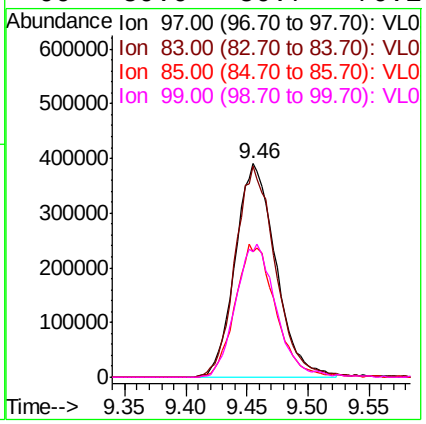


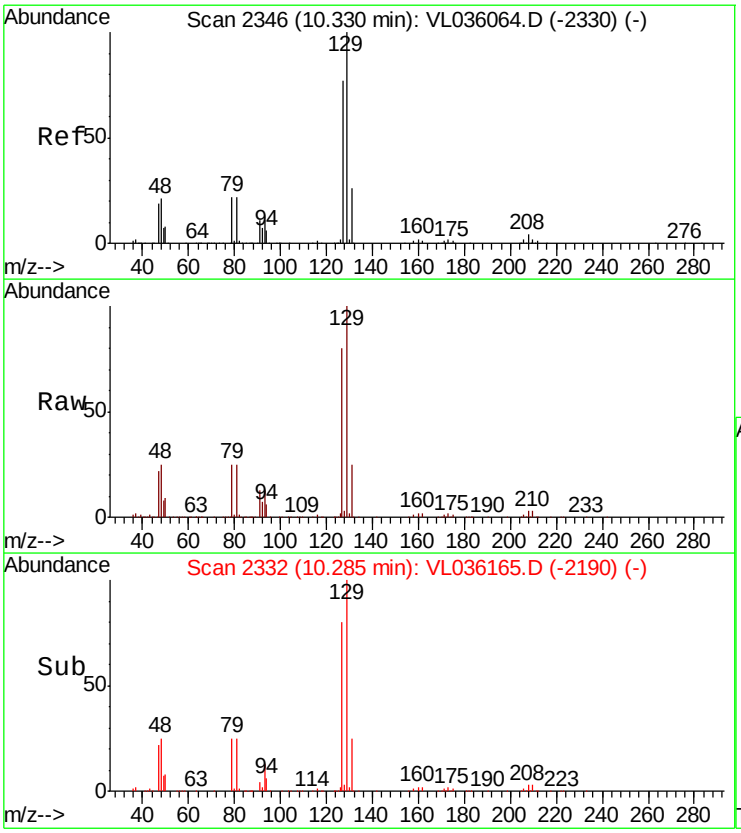
#47
1,1,2-Trichloroethane
Concen: 11.062 ppbv
RT: 9.46 min Scan# 2074
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 897794

Ion	Ratio	Lower	Upper
97	100		
83	98.9	71.4	107.2
85	58.8	46.6	70.0
99	59.0	50.7	76.1

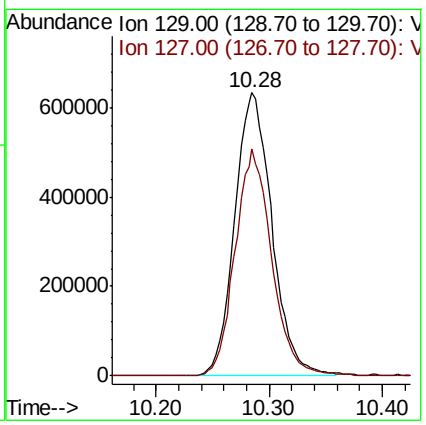


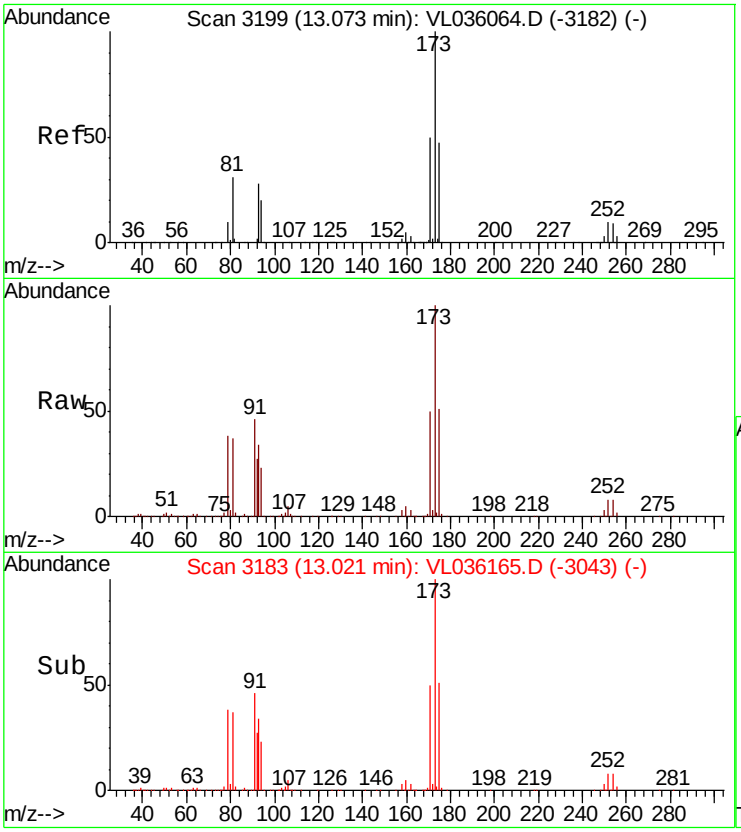


#48
Dibromochloromethane
Concen: 11.828 ppbv
RT: 10.28 min Scan# 2332
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:129 Resp: 1449716

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.0	117.0



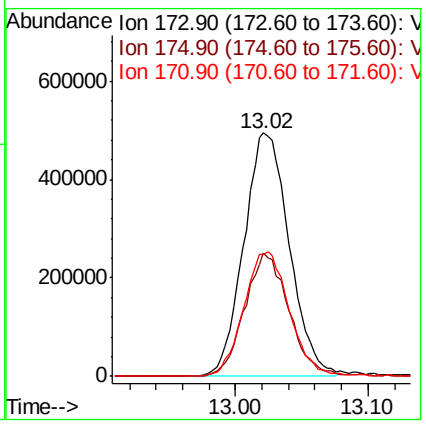


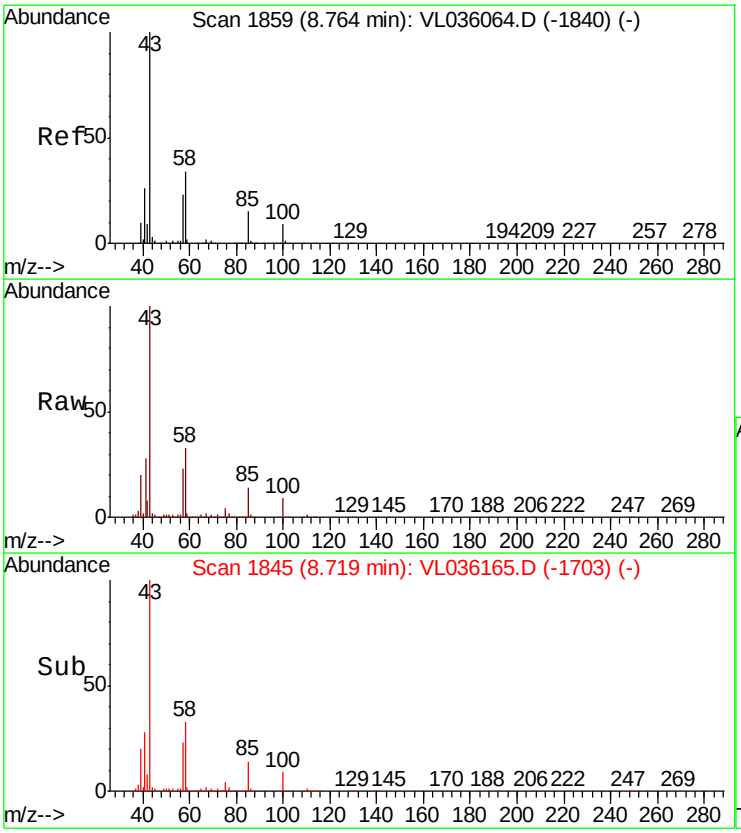
#49
Bromoform
Concen: 12.228 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1179543

Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.8	59.6
171	51.8	42.5	63.7

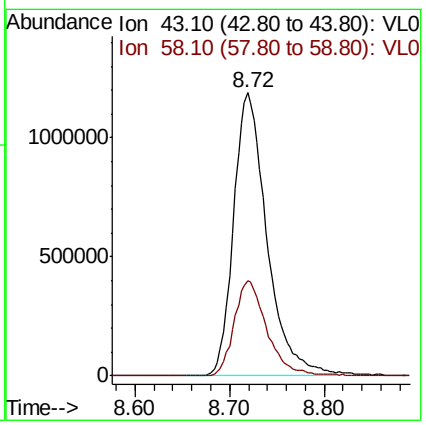


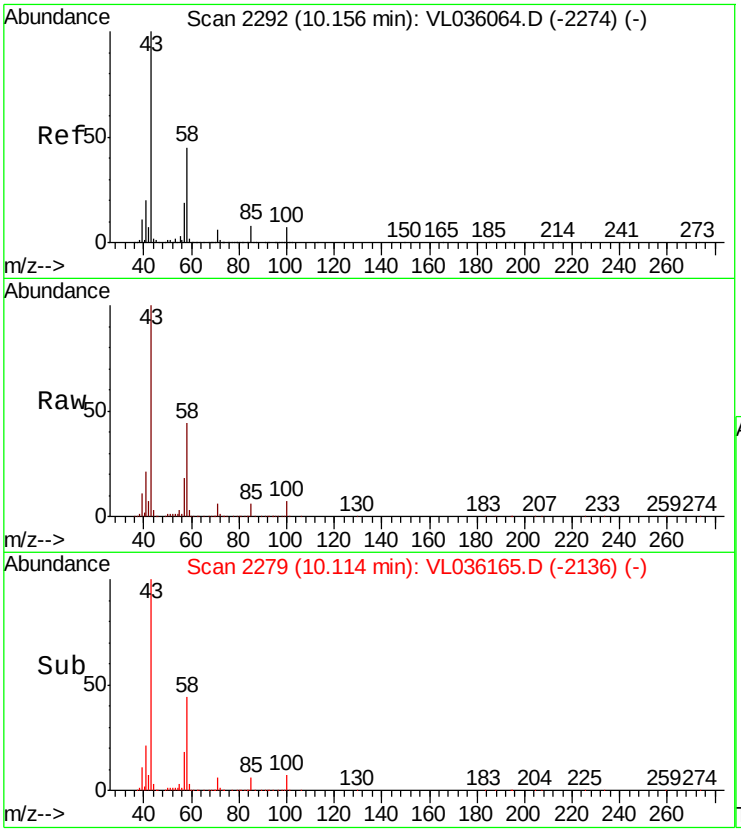


#50
4-Methyl-2-Pentanone
Concen: 11.665 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 43 Resp: 2908624

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.4	41.2



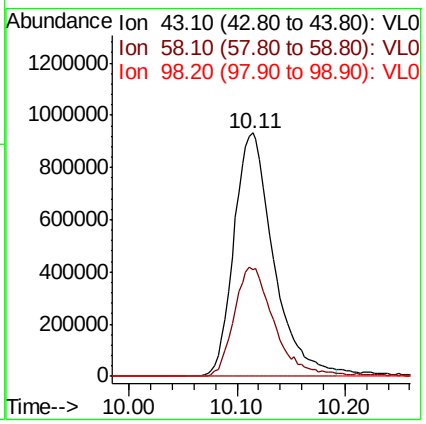


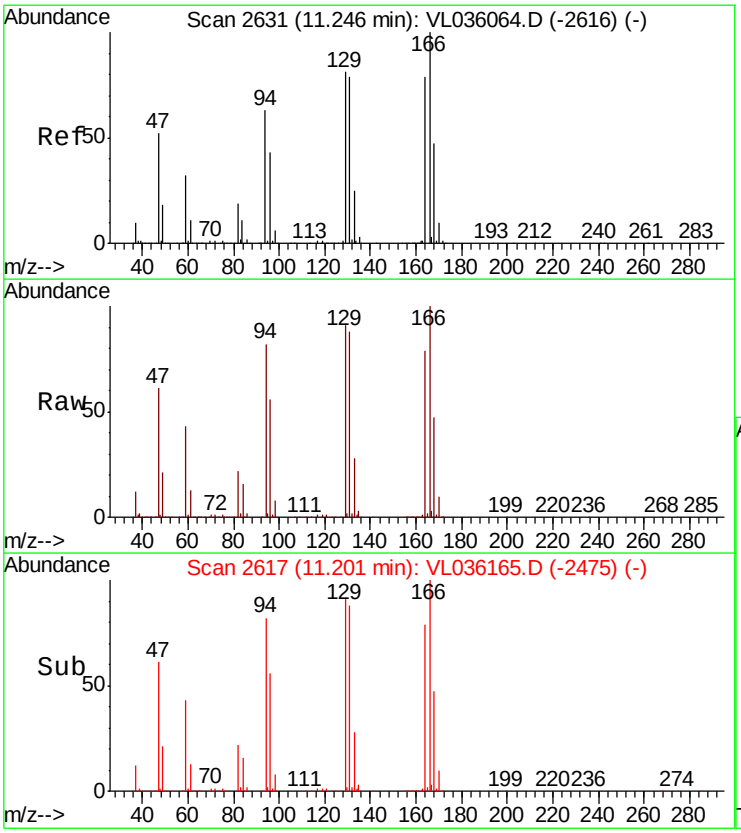
#51
2-Hexanone
Concen: 12.195 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2376907

Ion	Ratio	Lower	Upper
43	100		
58	46.3	38.7	58.1
98	0.1	0.1	0.1

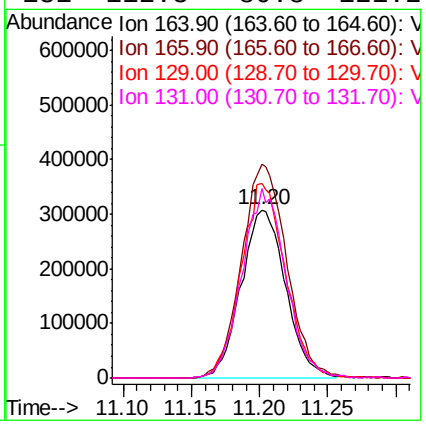


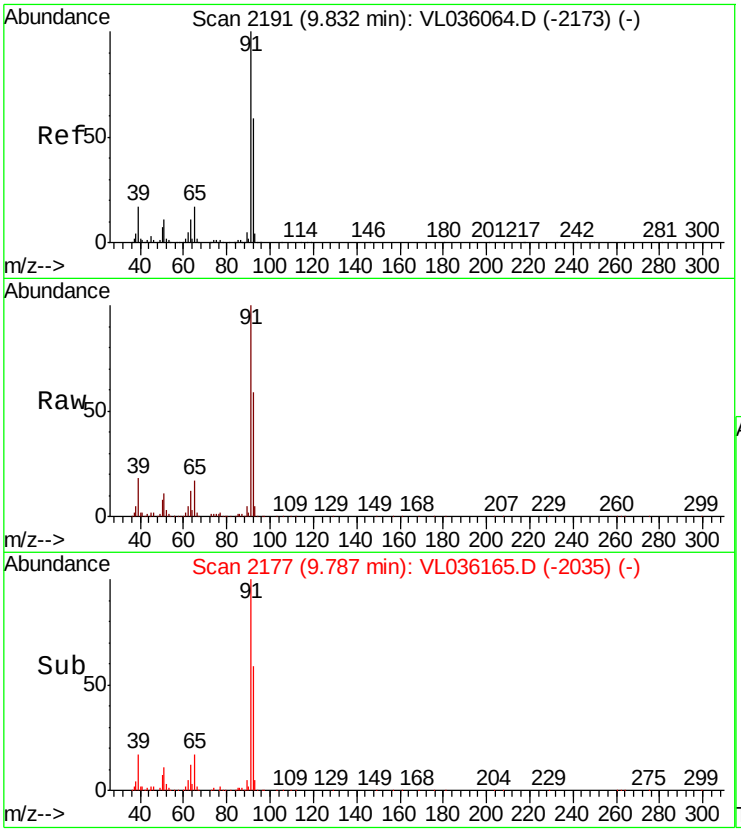


#52
Tetrachloroethene
Concen: 9.013 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:164 Resp: 696935

Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.9	152.9
129	115.8	82.1	123.1
131	112.3	80.8	121.2

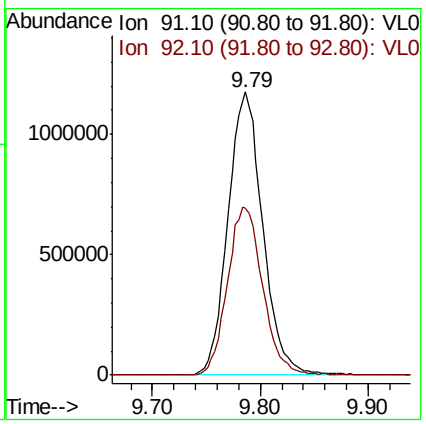




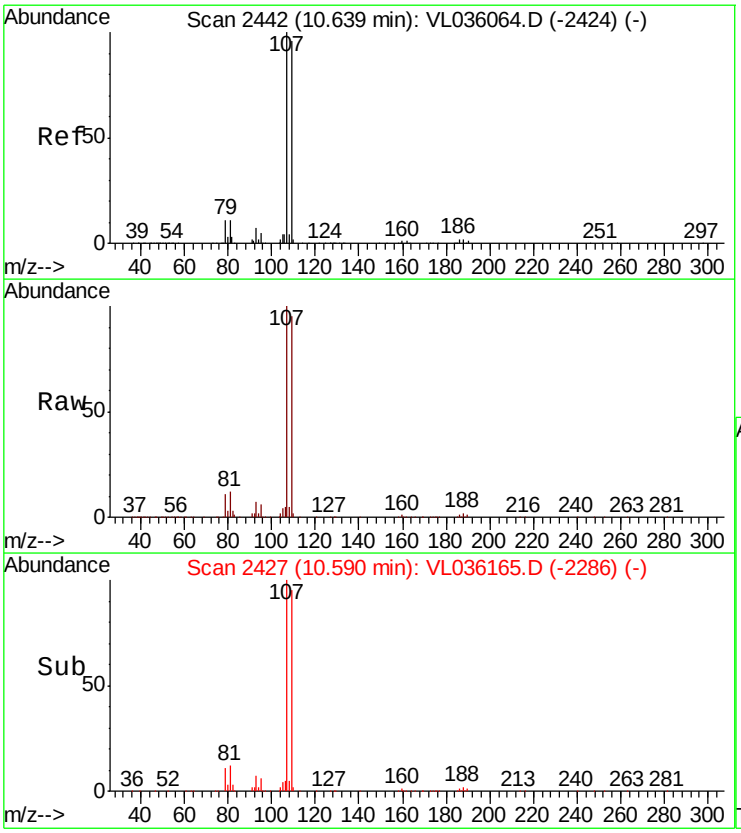
#53
Toluene
Concen: 10.981 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 2634081

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.2	72.2



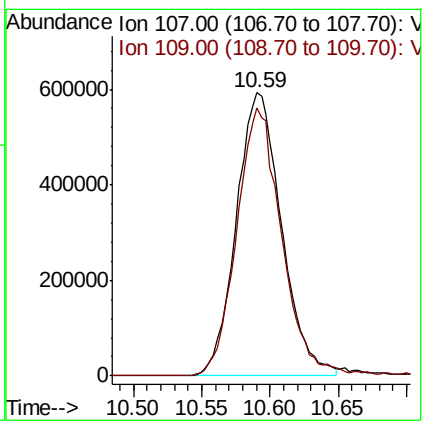
Instrument :
MSVOA_L
ClientSampleId :

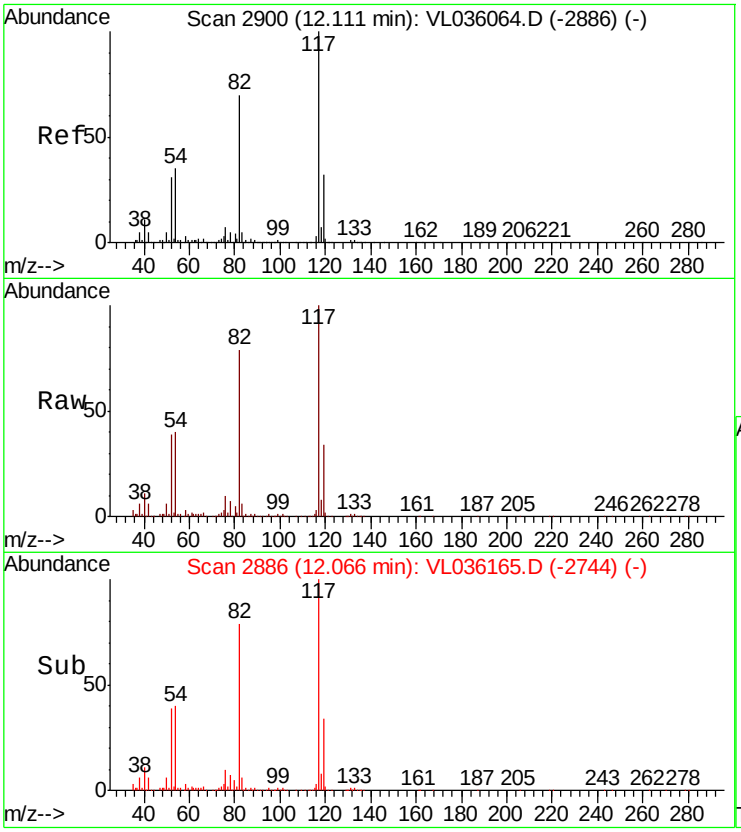


#54
1,2-Dibromoethane
Concen: 11.184 ppbv
RT: 10.59 min Scan# 2427
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:107 Resp: 1360561

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.6	115.0



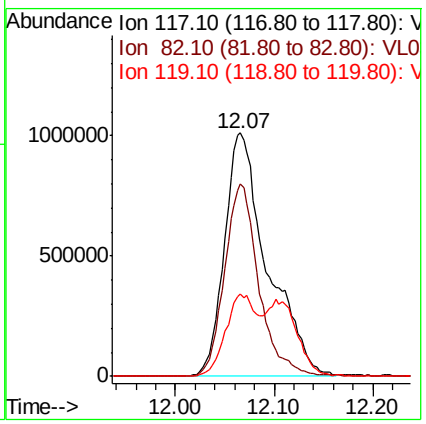


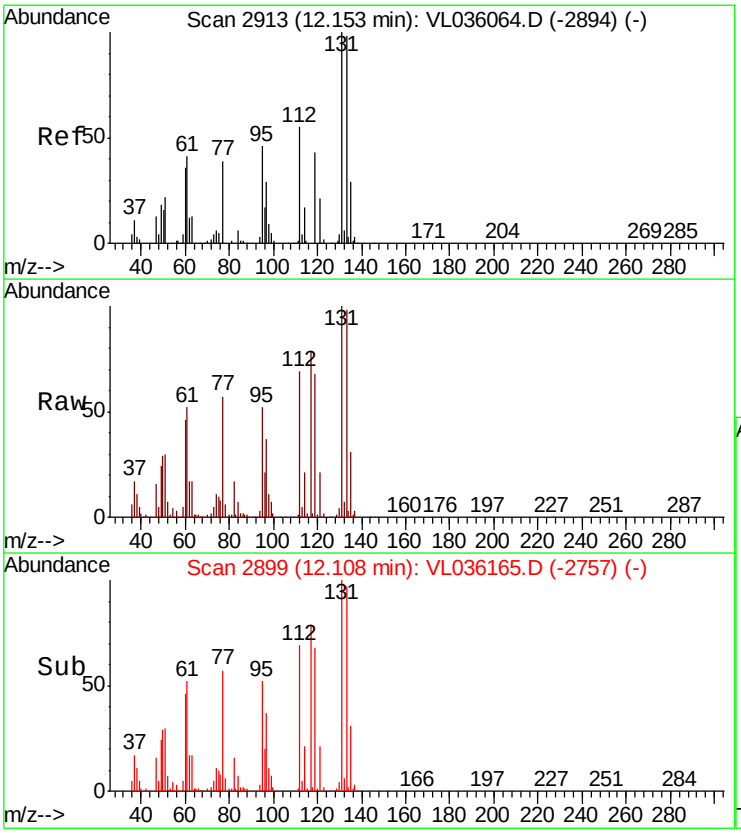
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3063260

Ion	Ratio	Lower	Upper
117	100		
82	63.5	0.0	0.0#
119	24.1	0.0	0.0#

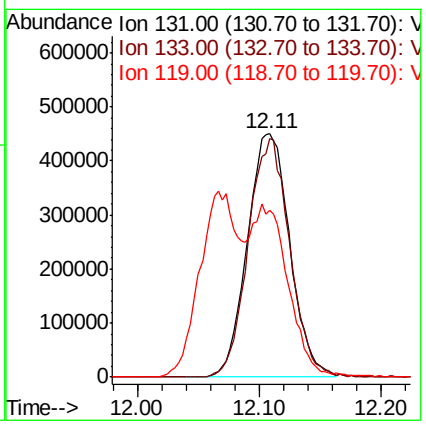


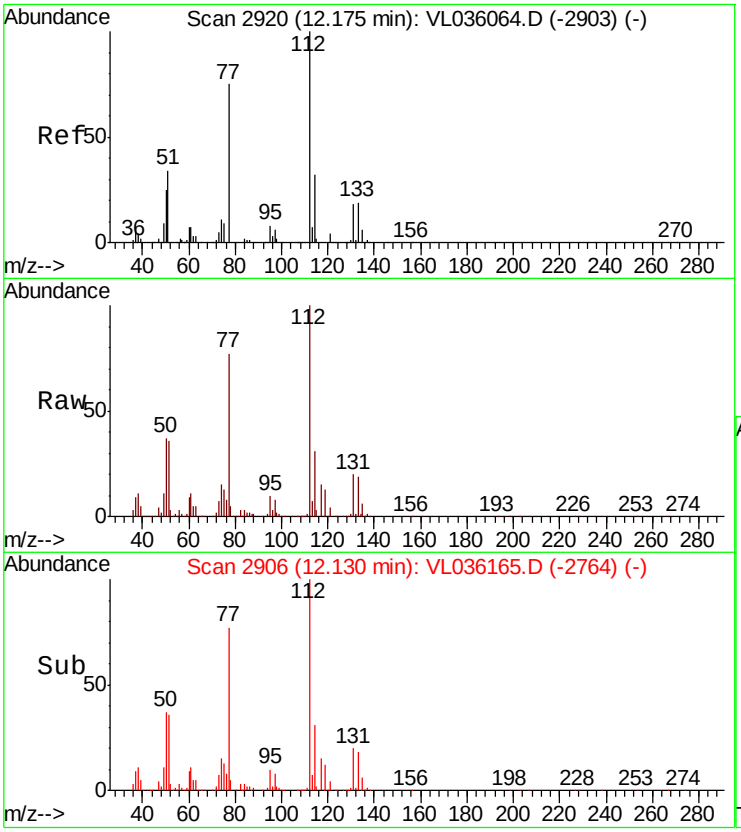


#56
1,1,1,2-Tetrachloroethane
Concen: 8.512 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:131 Resp: 1081141

Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.7	116.5
119	57.7	51.6	77.4



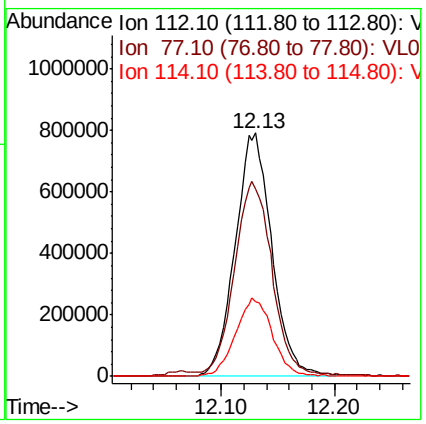


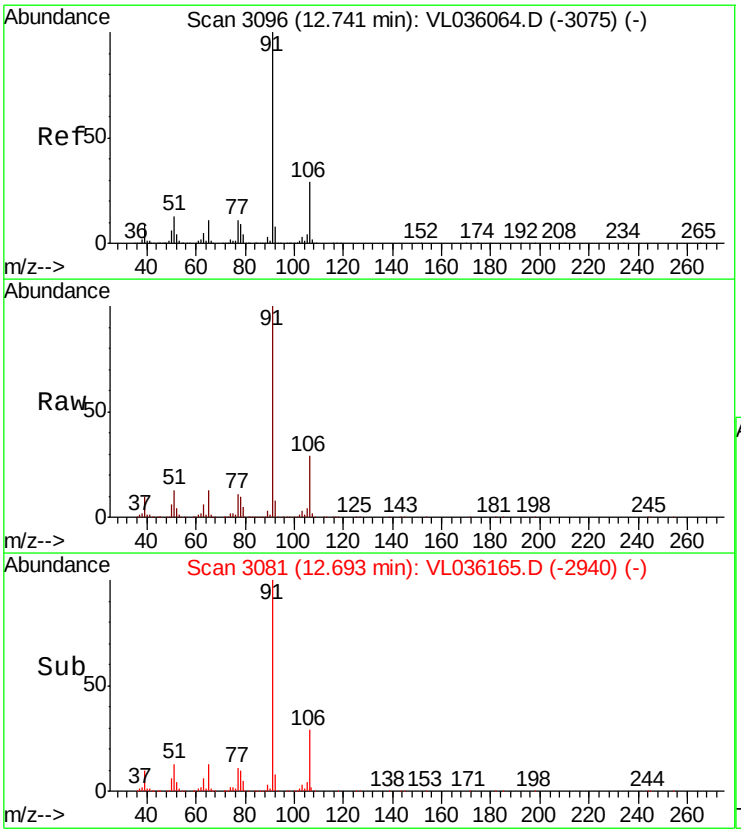
#57
Chlorobenzene
Concen: 8.298 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1784554

Ion	Ratio	Lower	Upper
112	100		
77	75.9	60.5	90.7
114	30.7	29.2	35.6

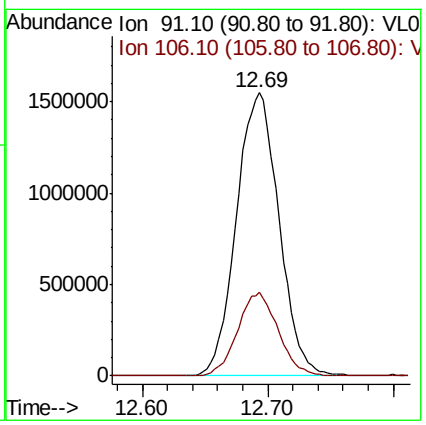


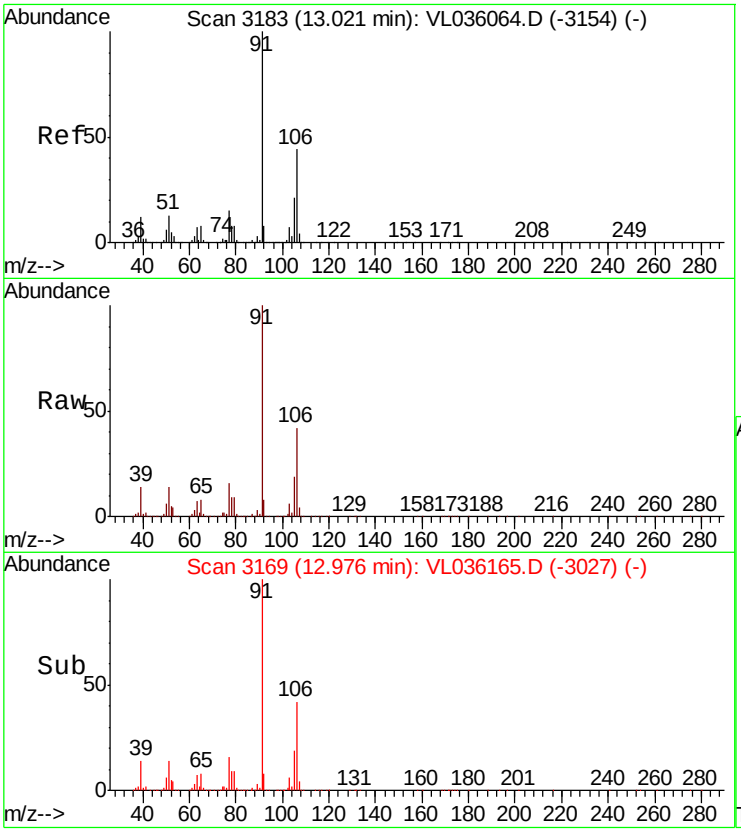


#58
Ethyl Benzene
Concen: 8.673 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 3640803

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.0	34.4



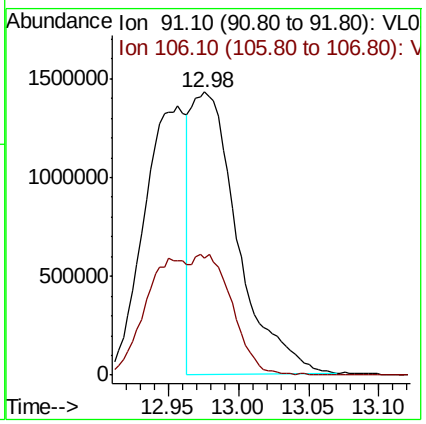


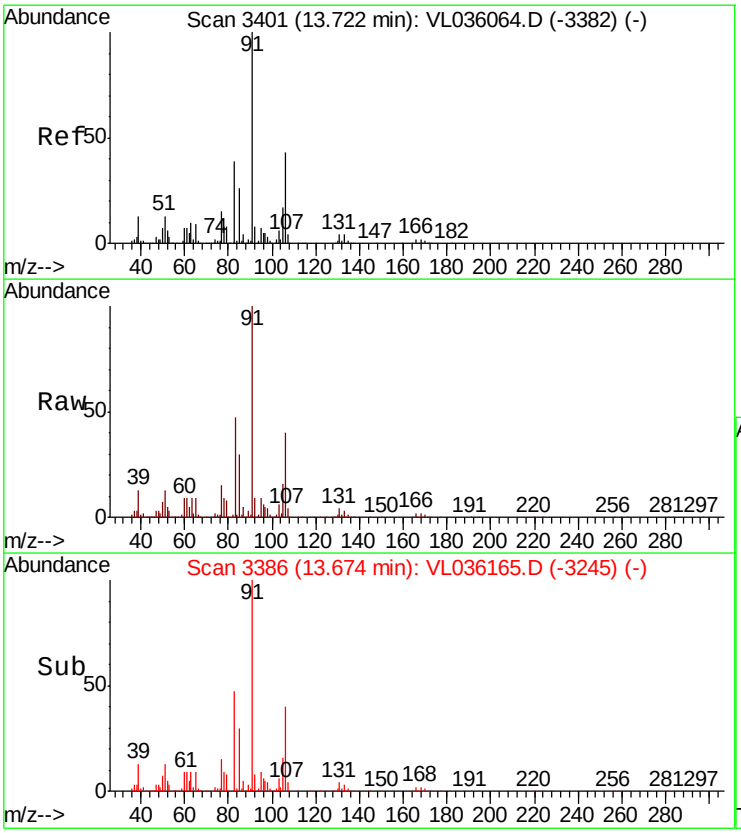
#59
m/p-Xylene
Concen: 9.206 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3255097

Ion	Ratio	Lower	Upper
91	100		
106	75.6	33.6	50.4#

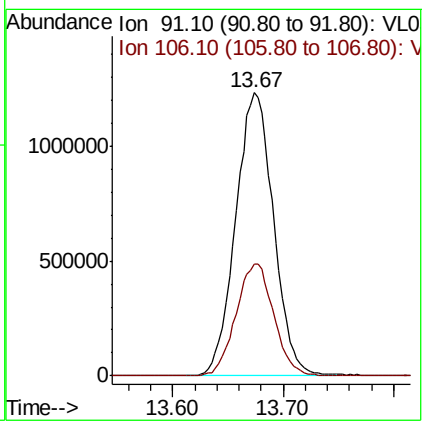


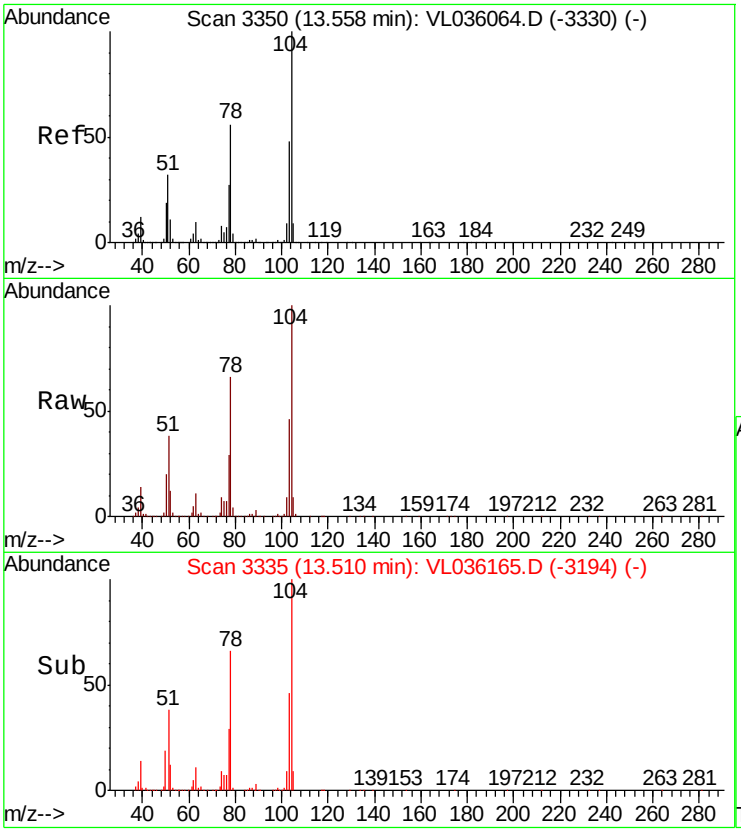


#60
o-Xylene
Concen: 8.773 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 2922418

Ion	Ratio	Lower	Upper
91	100		
106	39.5	21.6	64.6



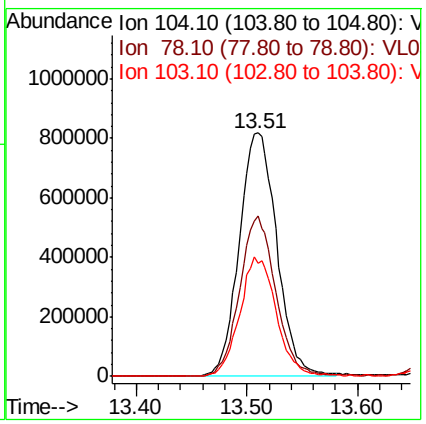


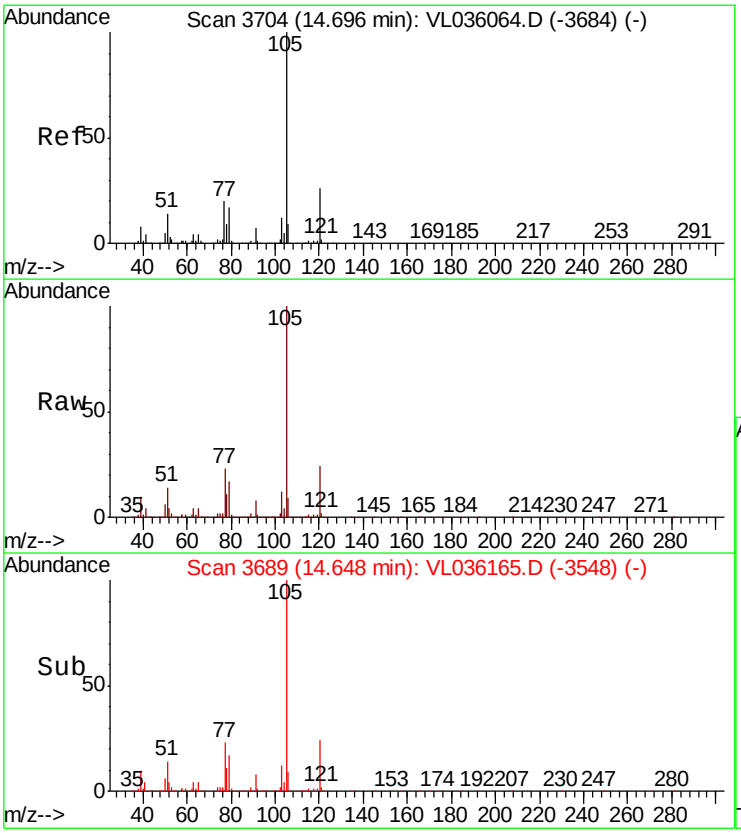
#61
Stvrene
Concen: 9.039 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1933169

Ion	Ratio	Lower	Upper
104	100		
78	63.7	45.8	68.8
103	47.7	38.6	57.8

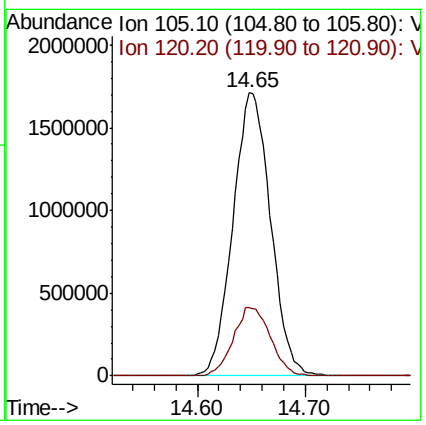


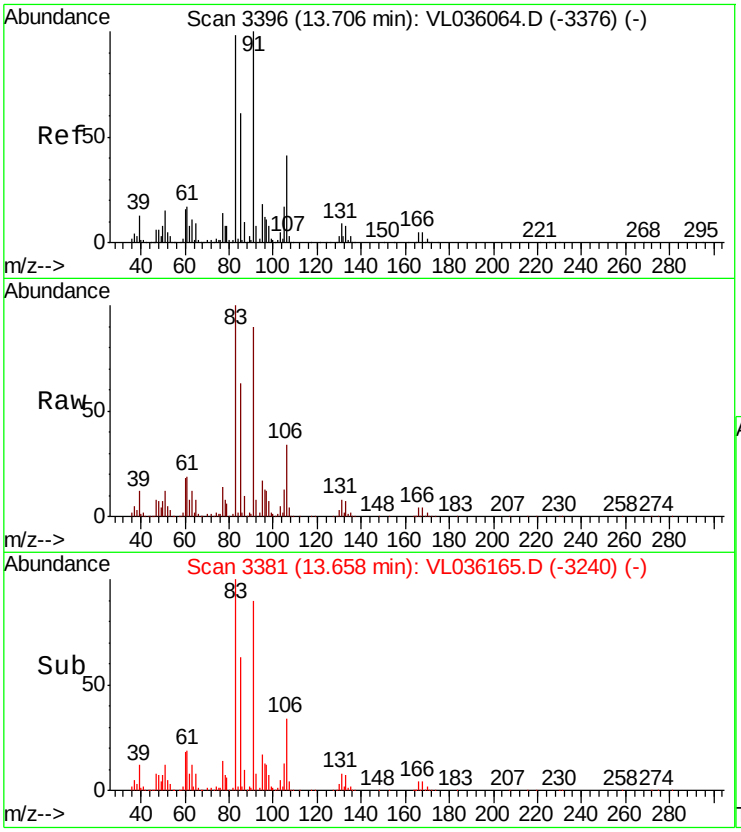


#62
Isopropylbenzene
Concen: 8.380 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:105 Resp: 4138097

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.1	30.1



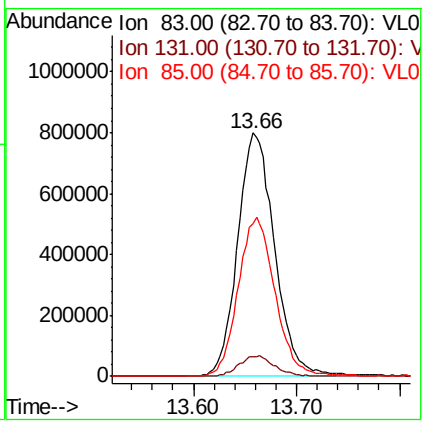


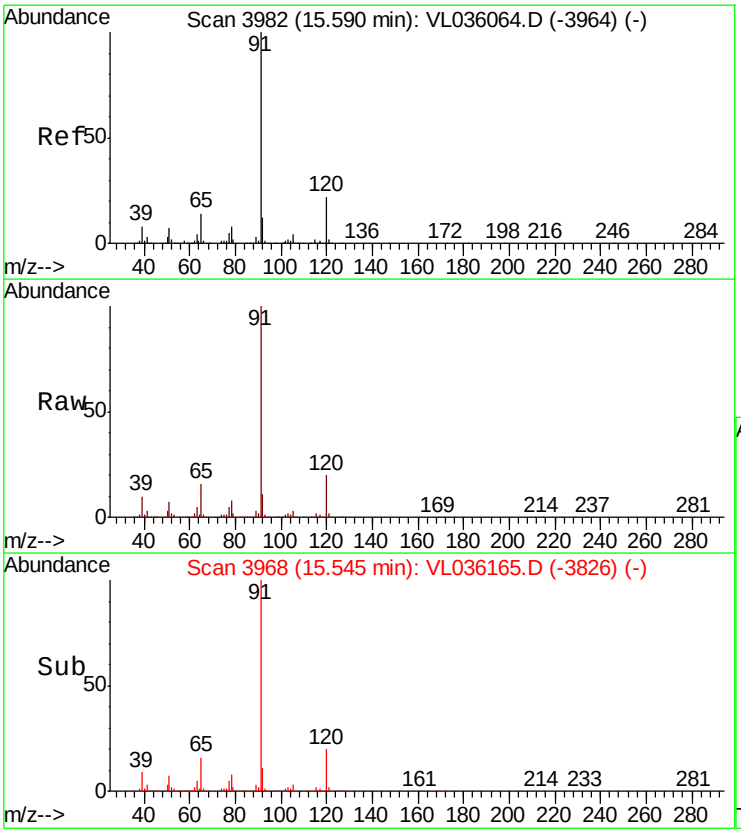
#63
1,1,2,2-Tetrachloroethane
Concen: 8.853 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1986279

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.6	13.8
85	65.7	32.5	97.5

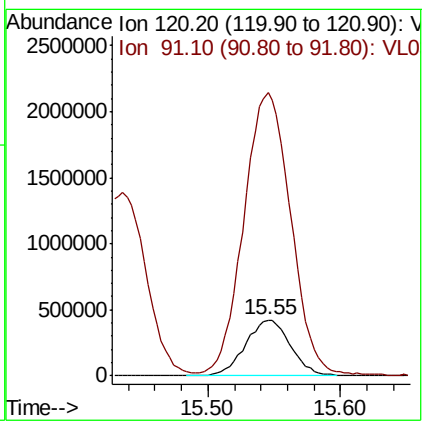


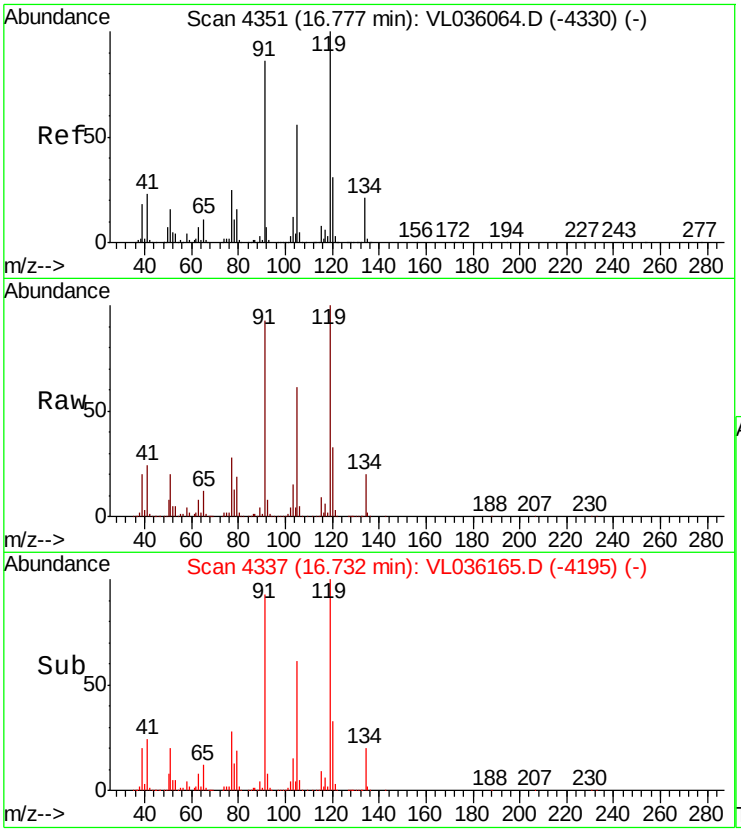


#64
n-propylbenzene
Concen: 8.391 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:120 Resp: 996857

Ion	Ratio	Lower	Upper
120	100		
91	532.5	388.9	583.3



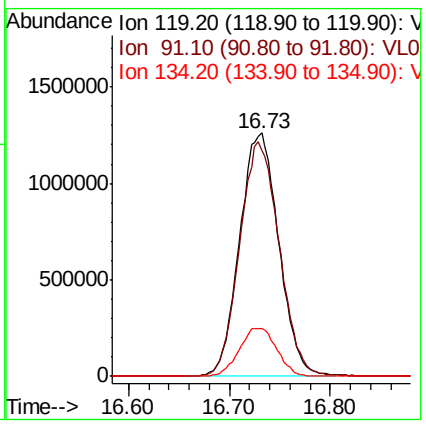


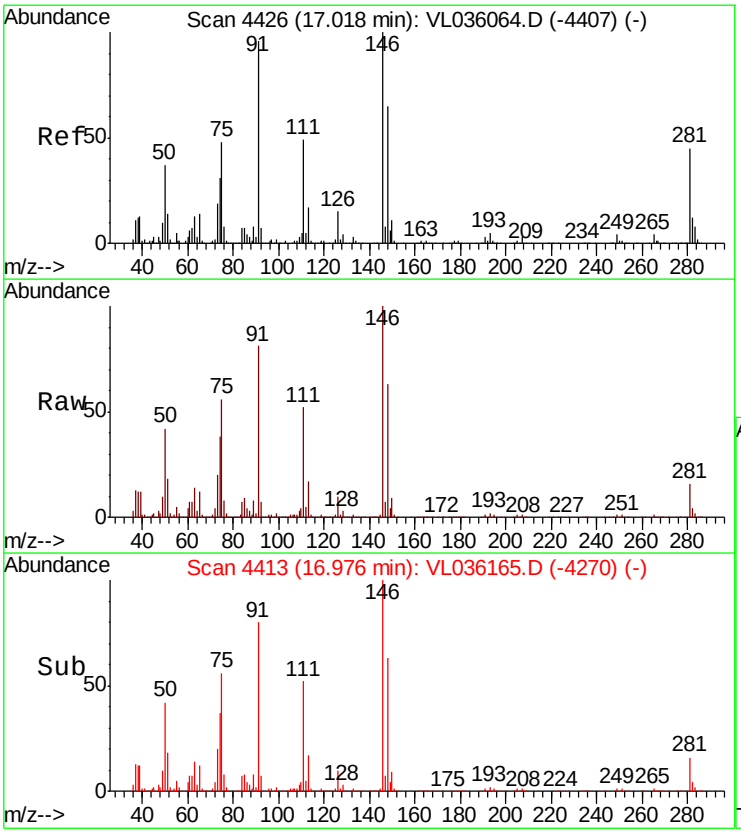
#65
tert-Butylbenzene
Concen: 8.405 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3397090

Ion	Ratio	Lower	Upper
119	100		
91	97.4	70.2	105.2
134	19.1	15.8	23.6

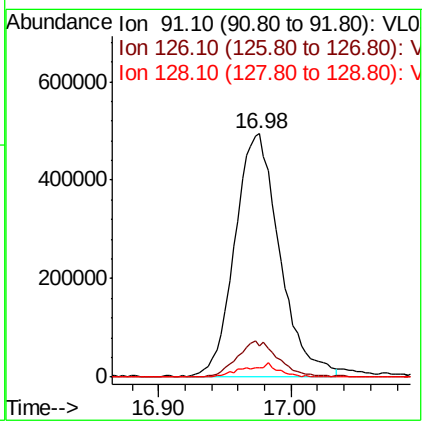


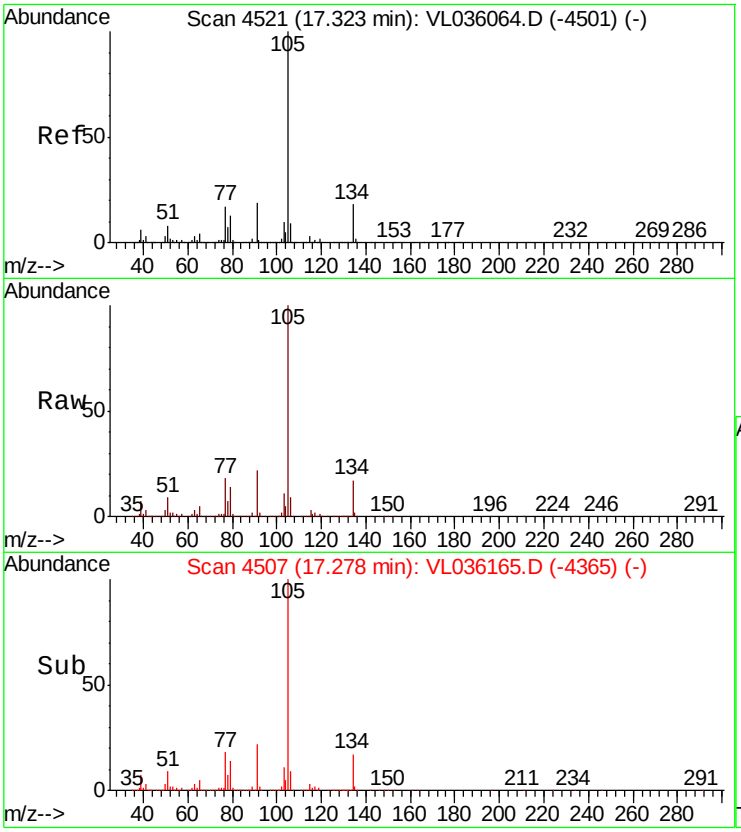


#66
Benzyl Chloride
Concen: 11.462 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 1153571

Ion	Ratio	Lower	Upper
91	100		
126	14.4	13.5	20.3
128	4.8	4.4	6.6



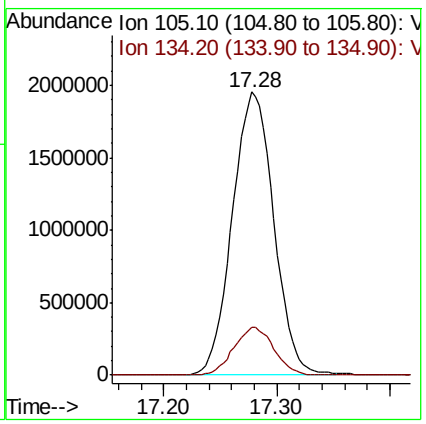


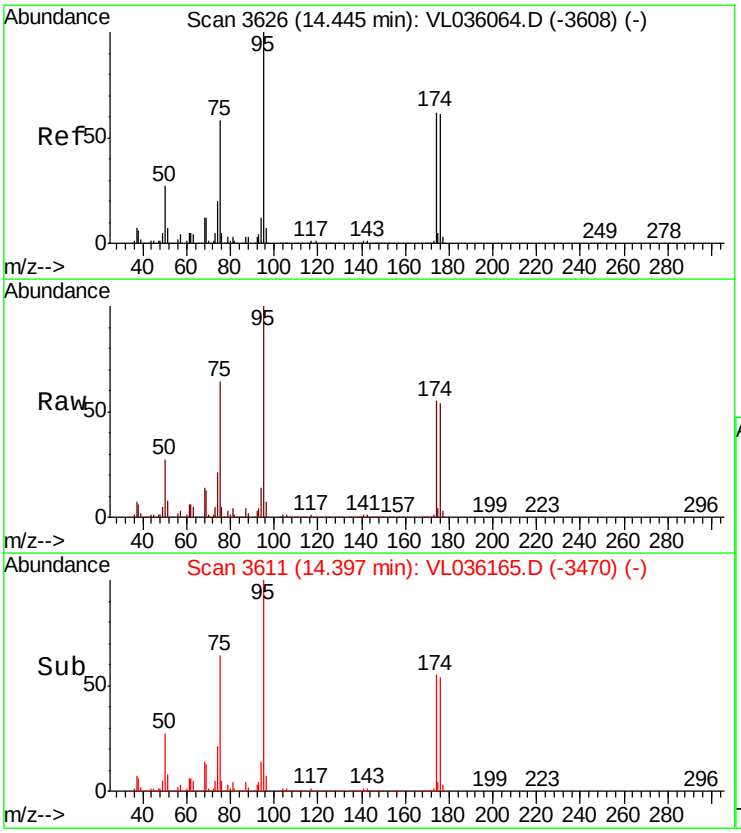
#67
sec-Butylbenzene
Concen: 8.749 ppbv
RT: 17.28 min Scan# 4507
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4949263

Ion	Ratio	Lower	Upper
105	100		
134	16.5	14.2	21.4

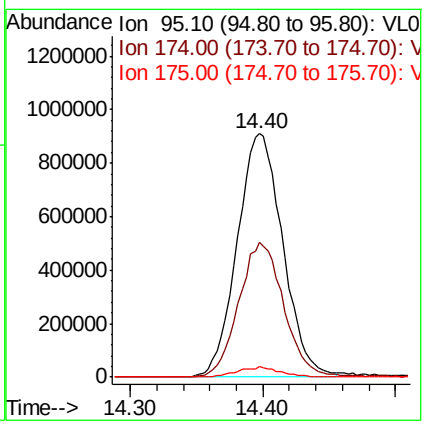


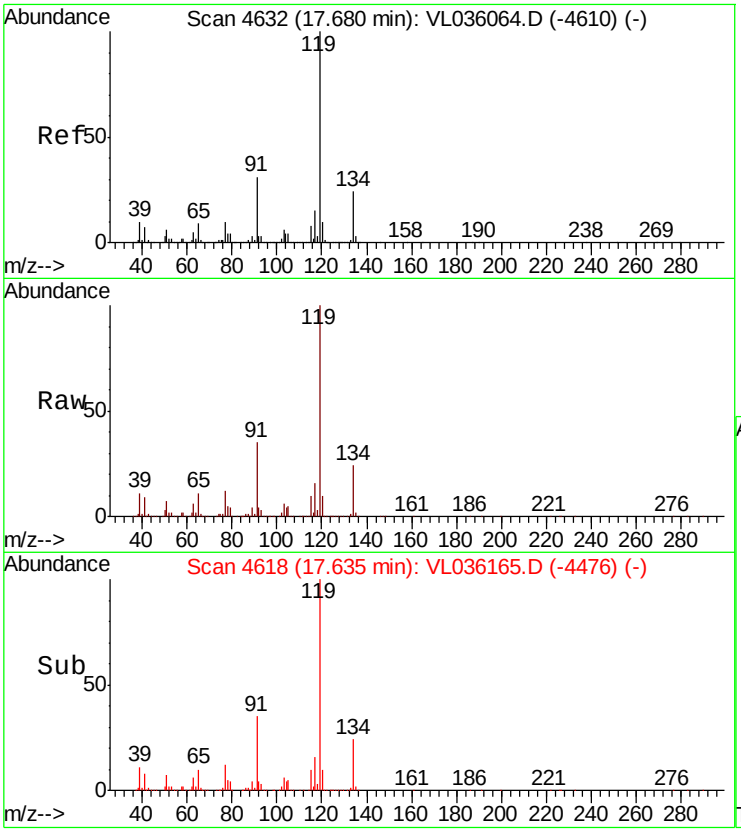


#68
1-Bromo-4-Fluorobenzene
Concen: 8.921 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 95 Resp: 2169851

Ion	Ratio	Lower	Upper
95	100		
174	54.8	50.7	76.1
175	4.0	4.0	6.0#



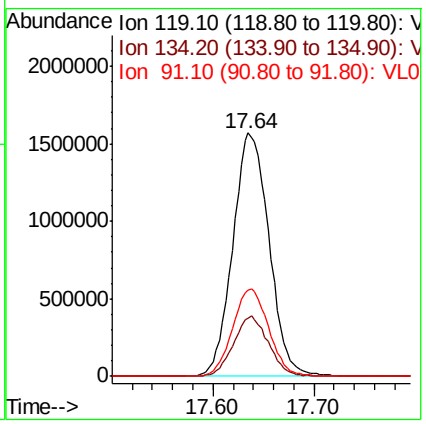


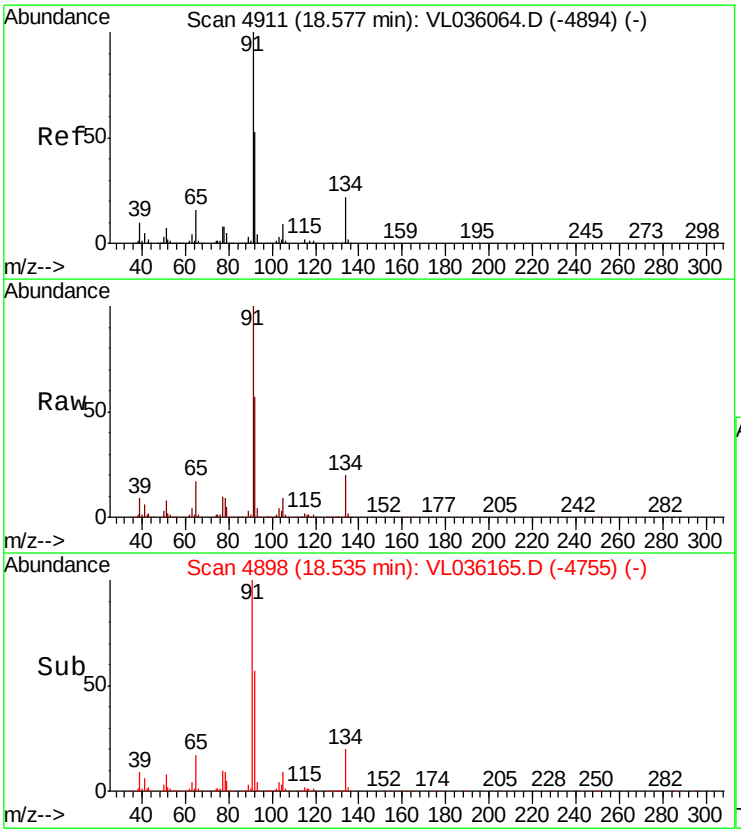
#69
p-Isopropyltoluene
Concen: 8.678 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3904804

Ion	Ratio	Lower	Upper
119	100		
134	24.0	19.8	29.6
91	35.7	25.8	38.6

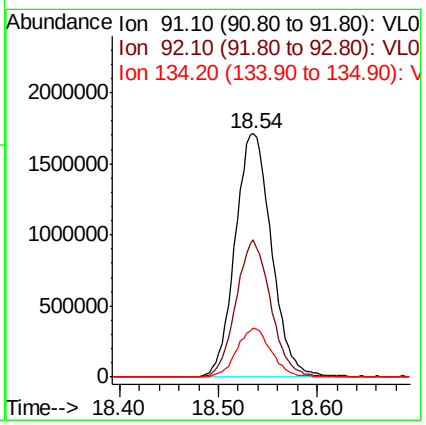


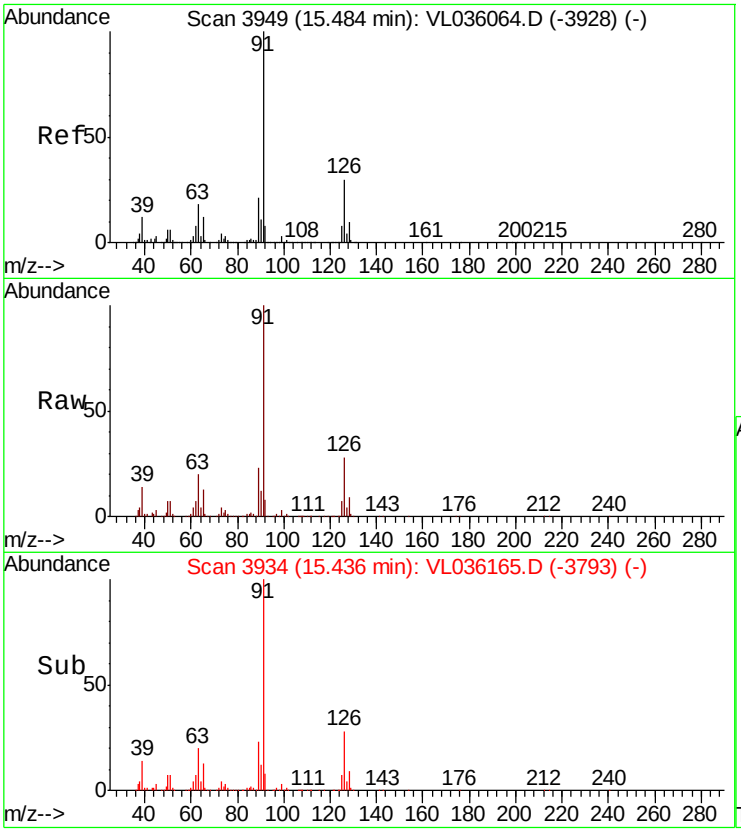


#70
n-Butylbenzene
Concen: 9.822 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion: 91 Resp: 4368029

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.3	64.9
134	19.2	17.1	25.7



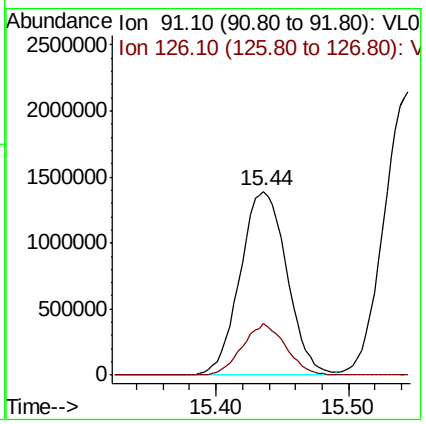


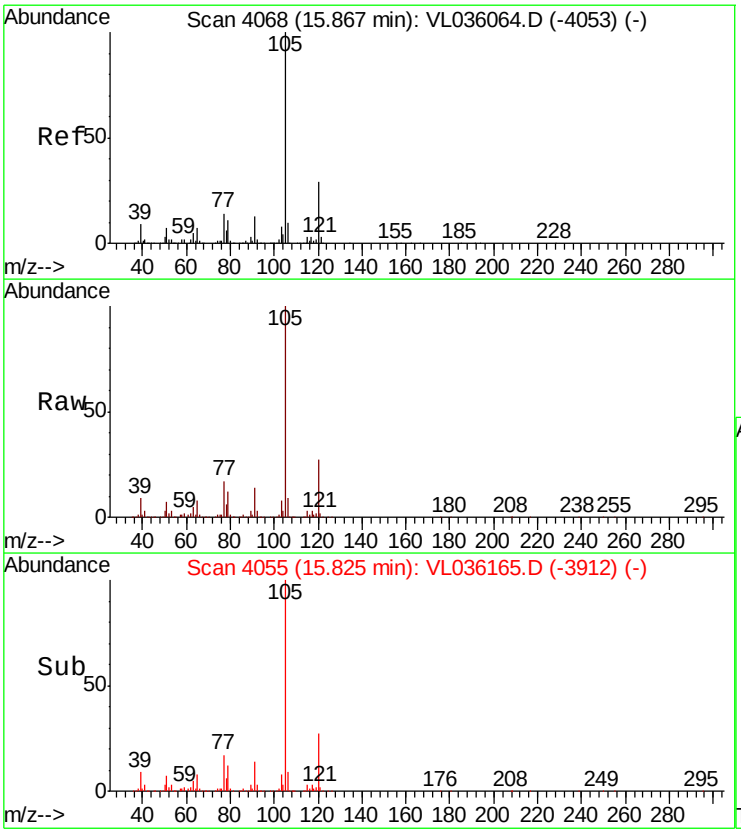
#71
2-Chlorotoluene
Concen: 9.125 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3405956

Ion	Ratio	Lower	Upper
91	100		
126	26.3	11.6	46.4

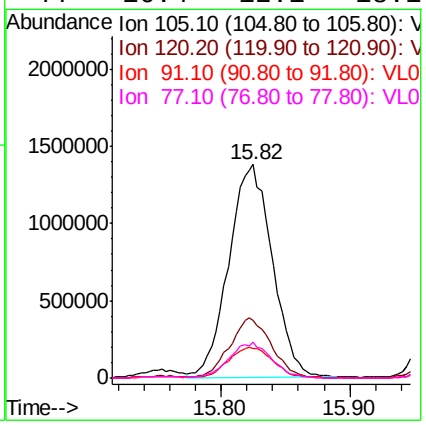


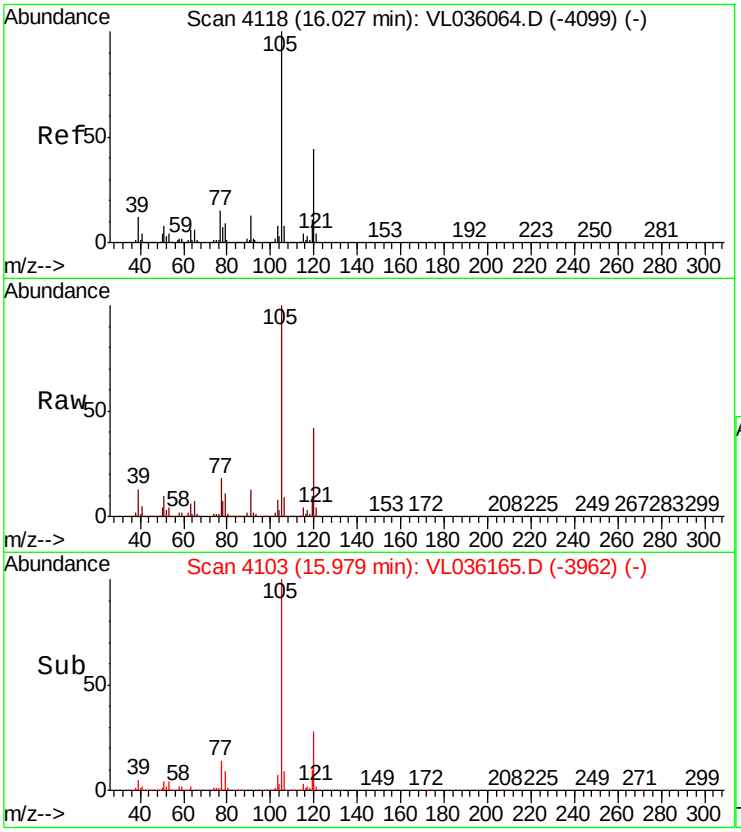


#72
4-Ethyltoluene
Concen: 8.902 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:105 Resp: 3212338

Ion	Ratio	Lower	Upper
105	100		
120	27.3	23.6	35.4
91	14.7	11.4	17.0
77	16.4	12.1	18.1



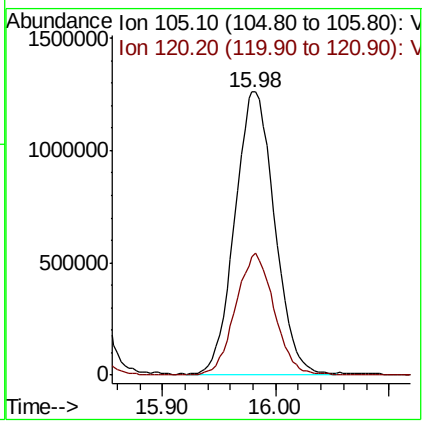


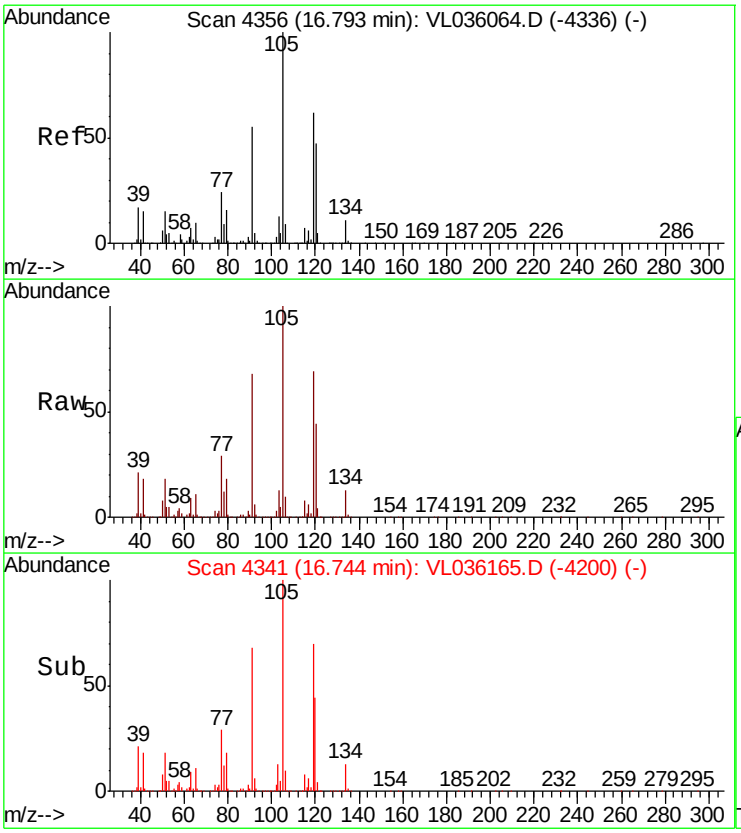
#73
1,3,5-Trimethylbenzene
Concen: 8.872 ppbv
RT: 15.98 min Scan# 4103
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3057754

Ion	Ratio	Lower	Upper
105	100		
120	41.9	35.4	53.2

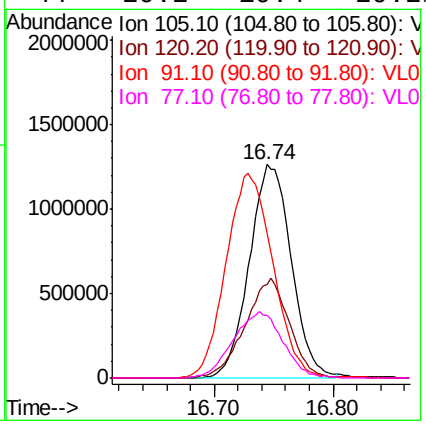


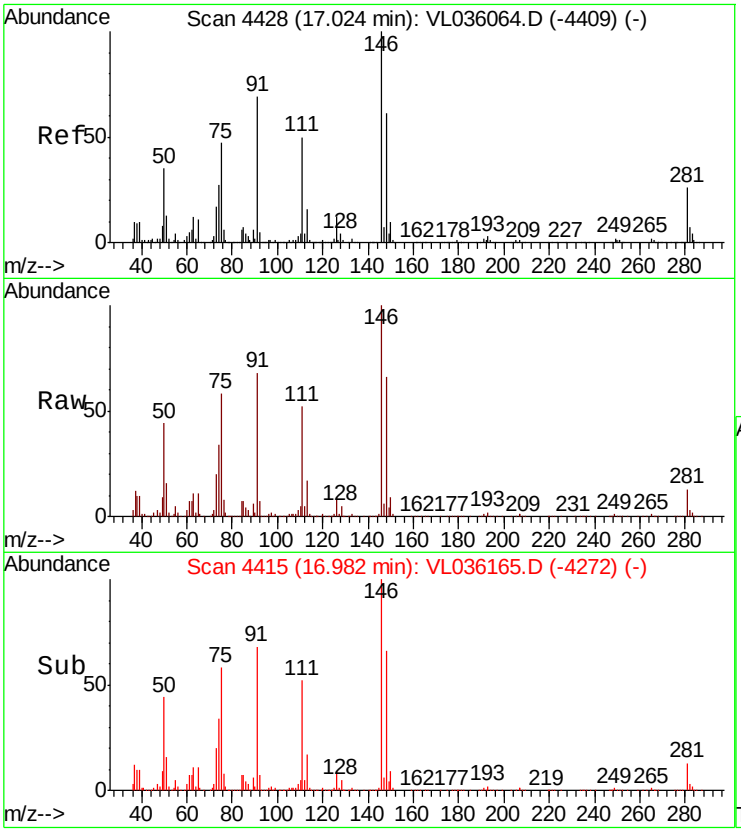


#74
1,2,4-Trimethylbenzene
Concen: 8.898 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:105 Resp: 3078374

Ion	Ratio	Lower	Upper
105	100		
120	43.3	37.4	56.0
91	67.1	45.6	68.4
77	29.2	19.4	29.2#



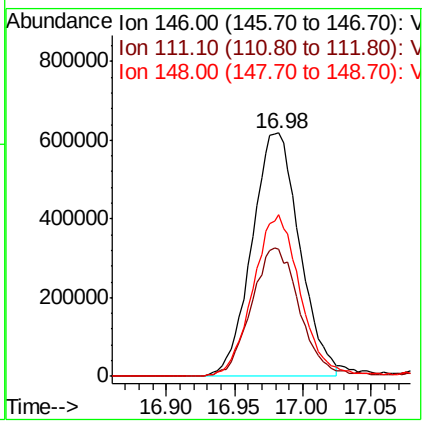


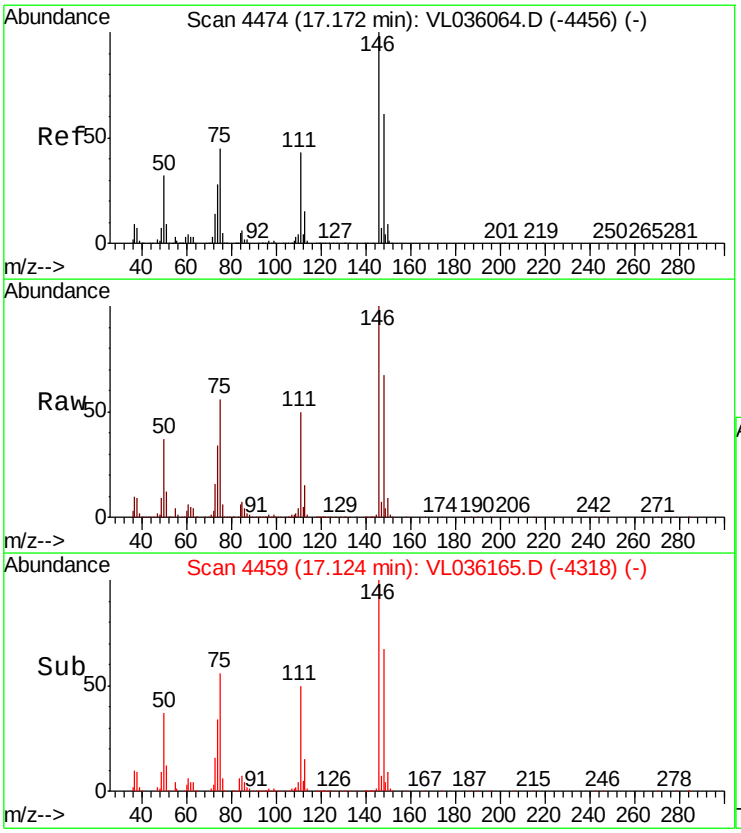
#75
1,3-Dichlorobenzene
Concen: 8.675 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1502333

Ion	Ratio	Lower	Upper
146	100		
111	53.7	25.1	75.3
148	65.7	32.9	98.6

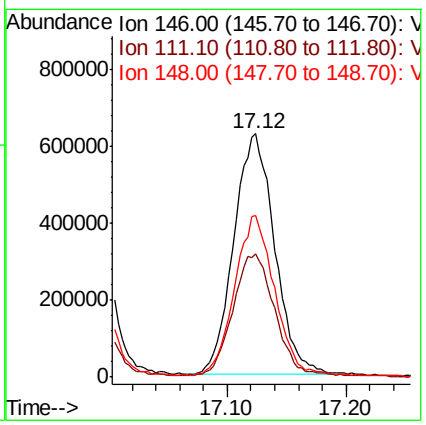


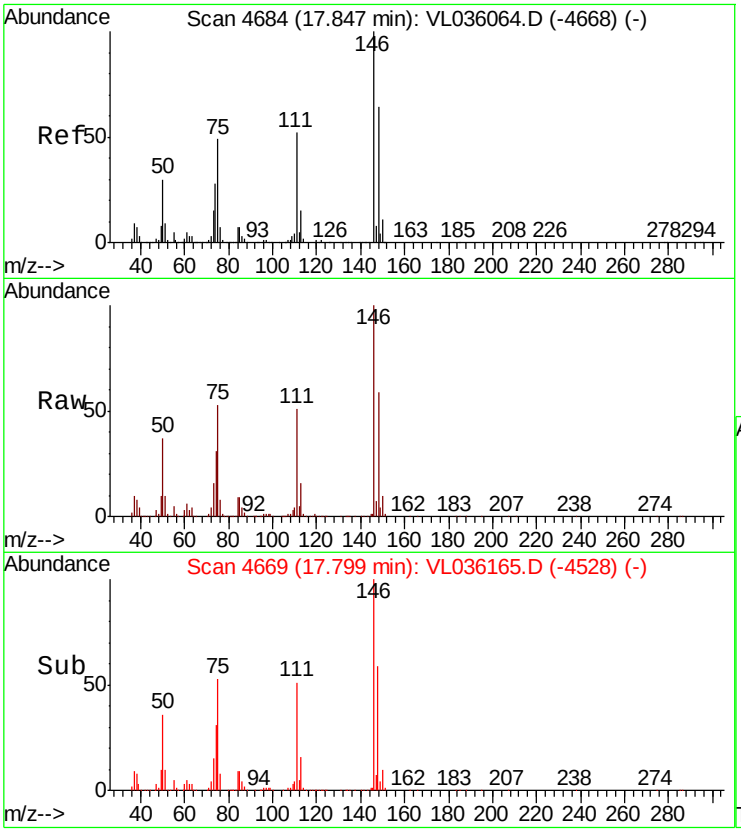


#76
1,4-Dichlorobenzene
Concen: 8.458 ppbv
RT: 17.12 min Scan# 4459
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:146 Resp: 1491285

Ion	Ratio	Lower	Upper
146	100		
111	52.5	24.3	72.8
148	67.5	32.8	98.3



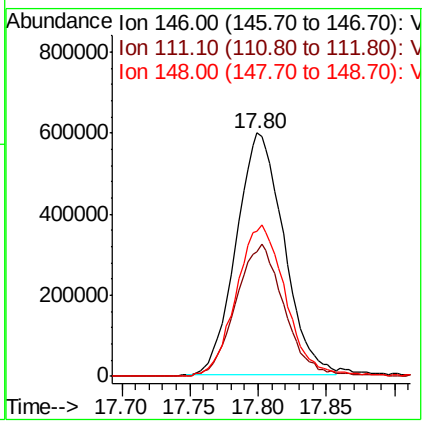


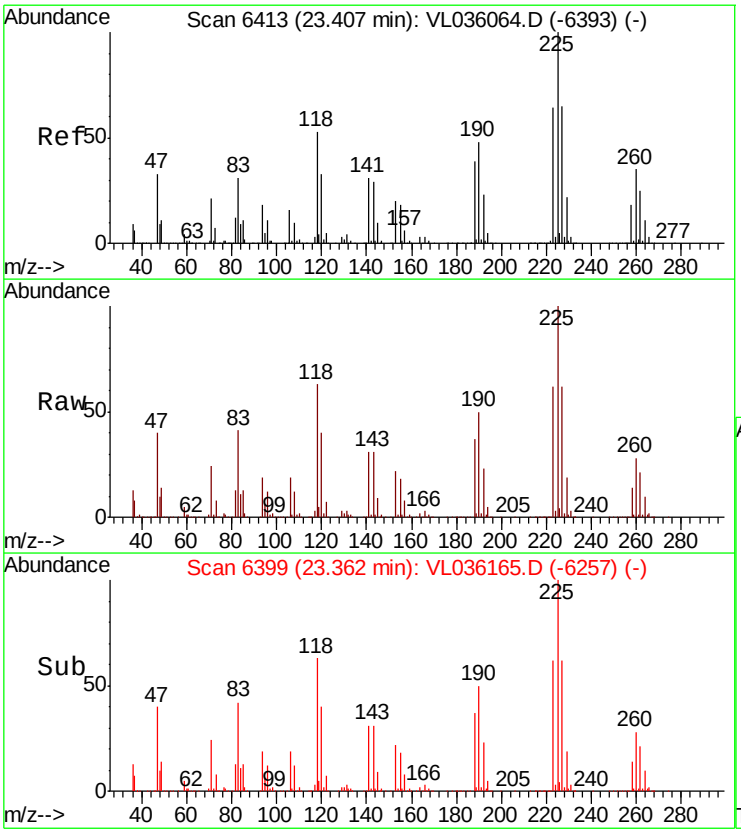
#77
1,2-Dichlorobenzene
Concen: 8.795 ppbv
RT: 17.80 min Scan# 4669
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1454330

Ion	Ratio	Lower	Upper
146	100		
111	55.1	26.1	78.2
148	64.6	33.1	99.5

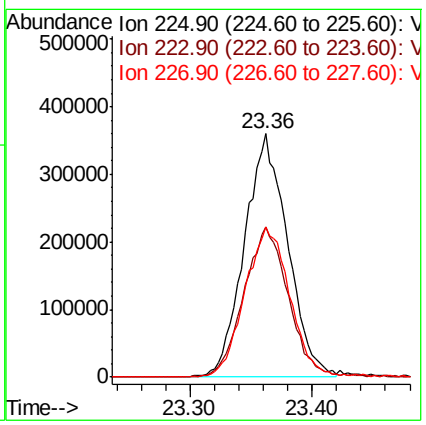


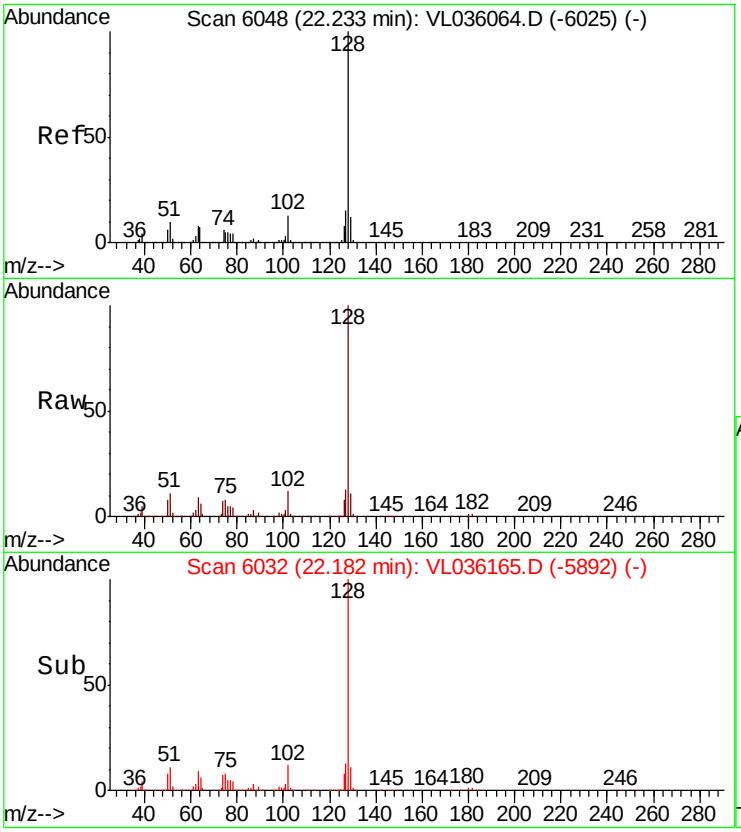


#78
Hexachloro-1,3-Butadiene
Concen: 6.643 ppbv
RT: 23.36 min Scan# 6399
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:225 Resp: 880296

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.1	76.7
227	64.8	51.7	77.5



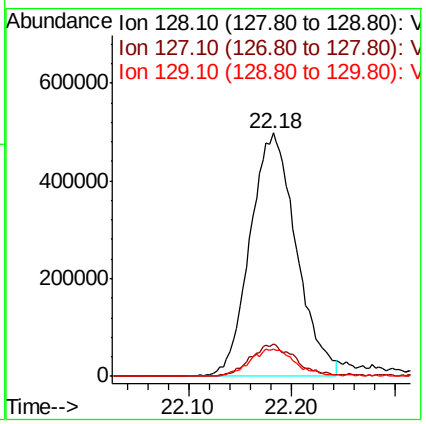


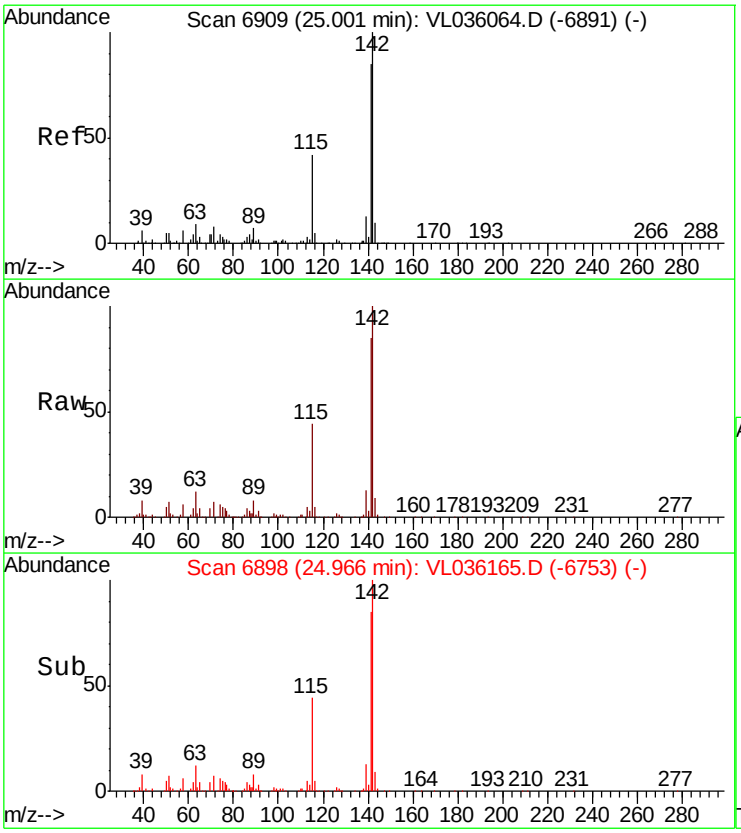
#79
Naphthalene
Concen: 8.803 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 1548069

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.7	17.5
129	11.4	9.3	13.9

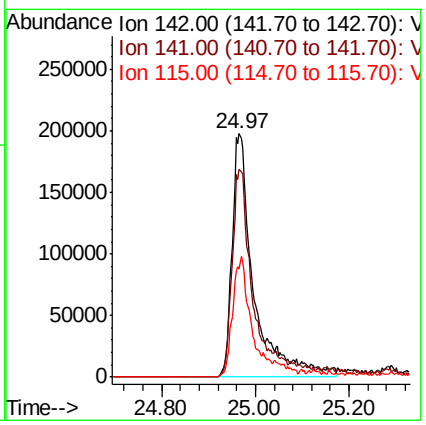


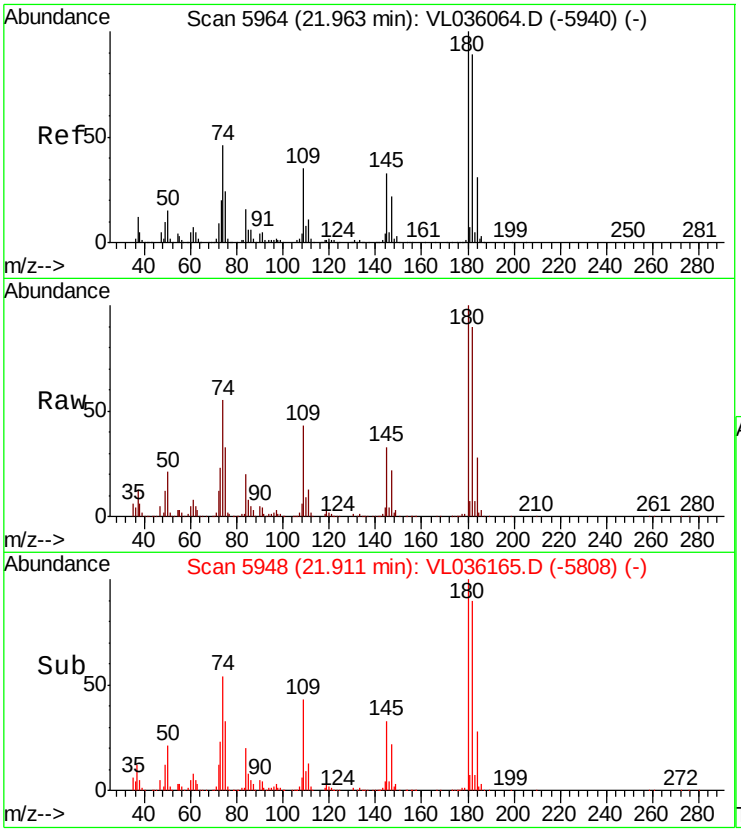


#80
Naphthalene,2-methyl-
Concen: 16.227 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.04 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Tgt Ion:142 Resp: 638116

Ion	Ratio	Lower	Upper
142	100		
141	84.0	64.3	96.5
115	46.4	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 7.725 ppbv
RT: 21.91 min Scan# 5948
Delta R.T. -0.05 min
Lab File: VL036165.D
Acq: 16 Dec 2020 13:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 907651

Ion	Ratio	Lower	Upper
180	100		
182	99.2	0.0	0.0#
184	29.9	0.0	0.0#