Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034887.D
Acq On : 16 Mar 2020 12:45
Operator : SY/AP
Sample : VL0316ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:25:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	955153	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2096990	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2720672	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1747529	8.24	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	1729726	13.225	ppbv		99
3) Chlorodifluoromethane	2.94	51	1089710	10.213	ppbv		98
4) Chloromethane	3.10	50	629022	10.431	ppbv		97
5) Vinyl Chloride	3.22	62	609609	10.515	ppbv		94
6) Bromomethane	3.43	94	360902	10.694	ppbv		96
7) Chloroethane	3.52	64	217082	10.369	ppbv		99
8) Dichlorotetrafluoroethane	3.14	85	1376175	10.131	ppbv		96
9) Propene	2.97	41	496495	9.746	ppbv		99
10) Heptane	8.12	43	1331409	10.620	ppbv		100
11) Trichlorofluoromethane	3.92	101	1414597	10.166	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1005572	10.325	ppbv		95
13) Ethanol	3.57	45	114239	7.376	ppbv		96
14) Bromoethene	3.70	108	430202	10.228	ppbv		98
15) Acetone	3.82	43	1128687	9.117	ppbv		99
16) 1,3-Butadiene	3.29	39	564369	10.081	ppbv		100
17) tert-Butyl alcohol	4.26	59	842882	7.067	ppbv		99
18) 1,1-Dichloroethene	4.26	96	457306	10.603	ppbv		97
19) Isopropyl Alcohol	3.94	45	602190	7.703	ppbv	#	41
20) Methylene Chloride	4.31	84	405649	10.364	ppbv		97
21) Allyl Chloride	4.38	41	798786	10.047	ppbv		100
22) trans-1,2-Dichloroethene	4.86	96	465863	10.647	ppbv		97
23) Vinyl Acetate	5.05	43	1805908	9.875	ppbv		98
24) 1,1-Dichloroethane	4.99	63	1246116	10.165	ppbv		99
25) Ethyl Acetate	5.66	43	2187497	9.918	ppbv		100
26) Hexane	5.67	57	975124	10.267	ppbv		98
27) Carbon Disulfide	4.52	76	1164112	10.802	ppbv		99
28) Methyl tert-Butyl Ether	5.01	73	1509359	9.552	ppbv		100
29) Chloroform	5.74	83	1508334	10.409	ppbv		97
30) Cyclohexane	7.12	84	807200	10.186	ppbv		98
31) cis-1,2-Dichloroethene	5.53	61	993093	10.225	ppbv		98
32) 1,1,1-Trichloroethane	6.50	97	1470654	10.416	ppbv		98
34) 2-Butanone	5.22	43	1467891	10.533	ppbv		99
35) Carbon Tetrachloride	7.01	117	1489576	11.421	ppbv		96
36) Benzene	6.89	78	1963515	10.505	ppbv		97
37) 1,2-Dichloroethane	6.30	62	1174895	11.148	ppbv		98
38) Trichloroethene	7.83	130	735599	10.362	ppbv		98
39) 1,2-Dichloropropane	7.62	63	779218	10.522	ppbv		95
40) 1,4-Dioxane	7.83	88	258199	9.232	ppbv	#	93
41) Tetrahydrofuran	6.03	42	817203	10.838	ppbv		99
42) Bromodichloromethane	7.80	83	1603556	11.164	ppbv		100
43) Methyl Methacrylate	8.02	69	889421	11.295	ppbv		98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034887.D
Acq On : 16 Mar 2020 12:45
Operator : SY/AP
Sample : VL0316ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:25:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3400439	10.766	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	1016052	10.982	ppbv		99
46) cis-1,3-Dichloropropene	8.71	75	1206451	10.974	ppbv		95
47) 1,1,2-Trichloroethane	9.48	97	826279	10.872	ppbv		96
48) Dibromochloromethane	10.32	129	1339491	10.883	ppbv		99
49) Bromoform	13.07	173	1204745	10.978	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	2210769	11.021	ppbv		100
51) 2-Hexanone	10.14	43	1815190	11.134	ppbv	#	99
52) Tetrachloroethene	11.24	164	704217	9.523	ppbv		98
53) Toluene	9.82	91	2288631	10.603	ppbv		99
54) 1,2-Dibromoethane	10.63	107	1224735	10.706	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1020076	8.347	ppbv		96
57) Chlorobenzene	12.17	112	1740365	8.176	ppbv	#	96
58) Ethyl Benzene	12.73	91	3117016	8.460	ppbv		99
59) m/p-Xylene	13.01	91	2155595	6.983	ppbv	#	6
60) o-Xylene	13.71	91	2548584	8.456	ppbv		99
61) Styrene	13.55	104	1875467	8.867	ppbv		99
62) Isopropylbenzene	14.69	105	3755152	8.240	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1805631	8.825	ppbv		99
64) n-propylbenzene	15.59	120	993344	8.375	ppbv		93
65) tert-Butylbenzene	16.77	119	3263319	8.192	ppbv		98
66) Benzyl Chloride	17.02	91	1298293	7.816	ppbv		98
67) sec-Butylbenzene	17.32	105	4703573	8.515	ppbv		99
69) p-Isopropyltoluene	17.68	119	3913954	8.450	ppbv		98
70) n-Butylbenzene	18.58	91	4154473	8.791	ppbv		99
71) 2-Chlorotoluene	15.48	91	2923779	8.472	ppbv		98
72) 4-Ethyltoluene	15.86	105	3085808	8.670	ppbv		99
73) 1,3,5-Trimethylbenzene	16.02	105	2859596	8.583	ppbv		98
74) 1,2,4-Trimethylbenzene	16.79	105	2960233	8.624	ppbv		97
75) 1,3-Dichlorobenzene	17.03	146	1694834	8.188	ppbv		100
76) 1,4-Dichlorobenzene	17.17	146	1705180	8.256	ppbv		100
77) 1,2-Dichlorobenzene	17.85	146	1639808	8.173	ppbv		97
78) Hexachloro-1,3-Butadiene	23.41	225	1398602	8.346	ppbv		98
79) Naphthalene	22.24	128	2723187	10.173	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	813304	11.626	ppbv		99
81) 1,2,4-Trichlorobenzene	21.97	180	1571792	9.242	ppbv		100

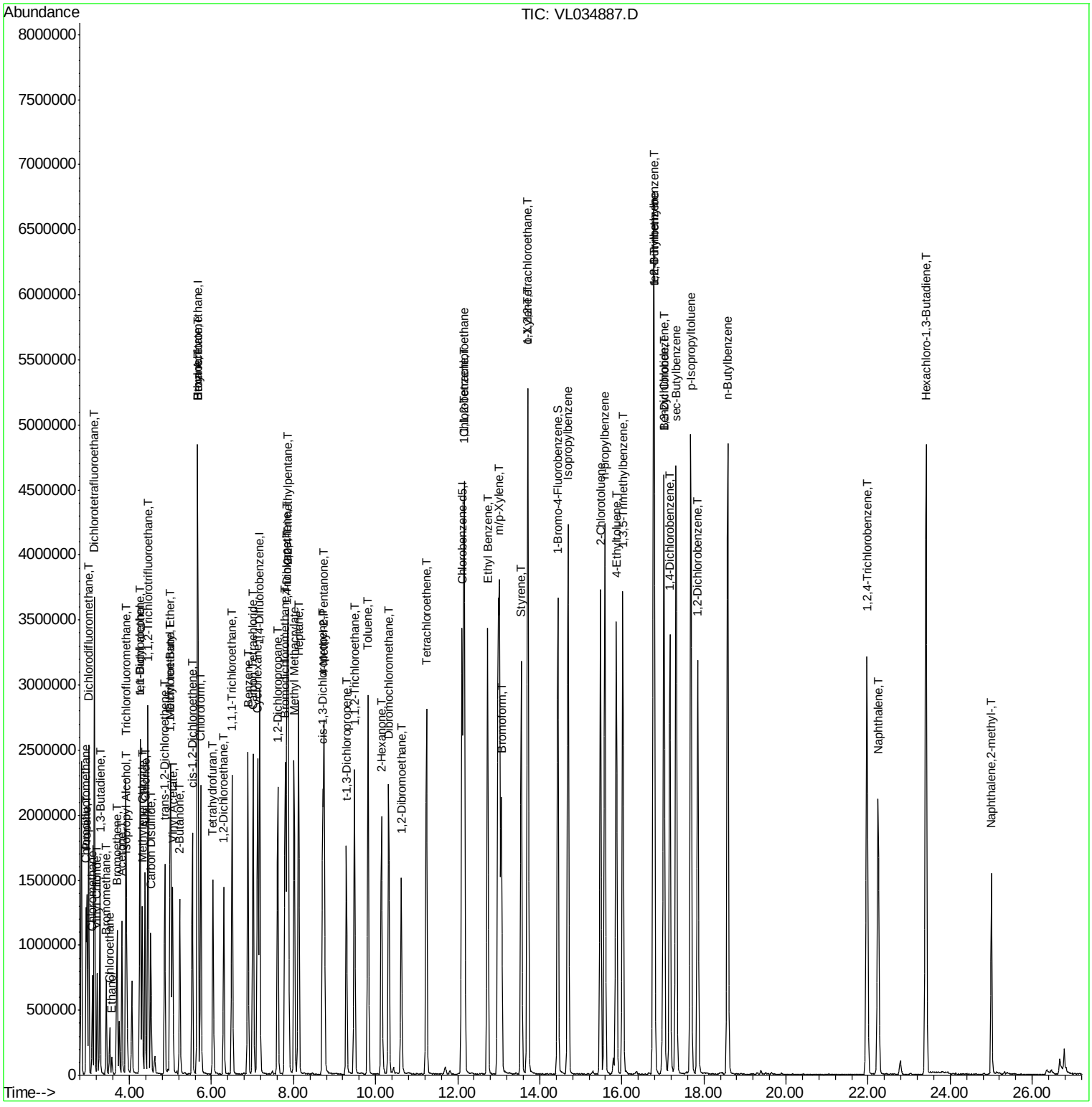
(#) = qualifier out of range (m) = manual integration (+) = signals summed

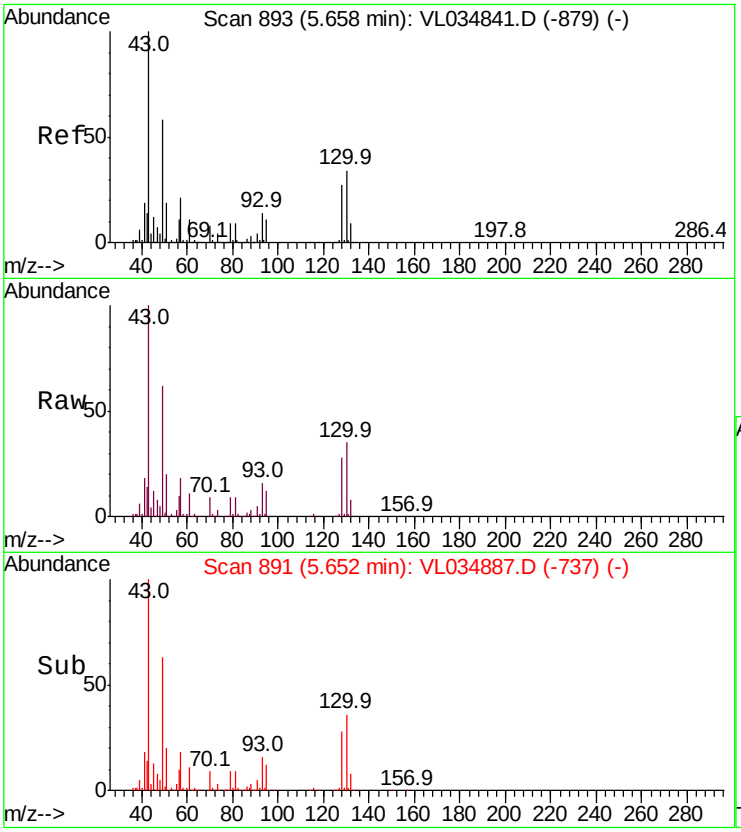
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031620\
Data File : VL034887.D
Acq On : 16 Mar 2020 12:45
Operator : SY/AP
Sample : VL0316ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 17 04:25:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



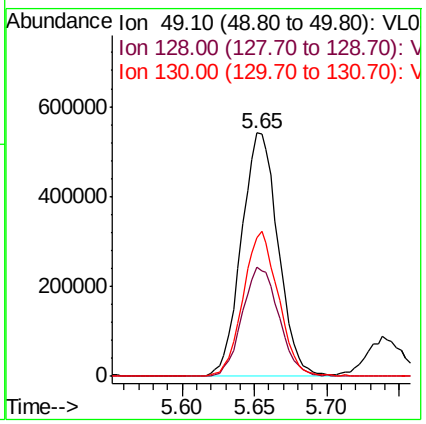


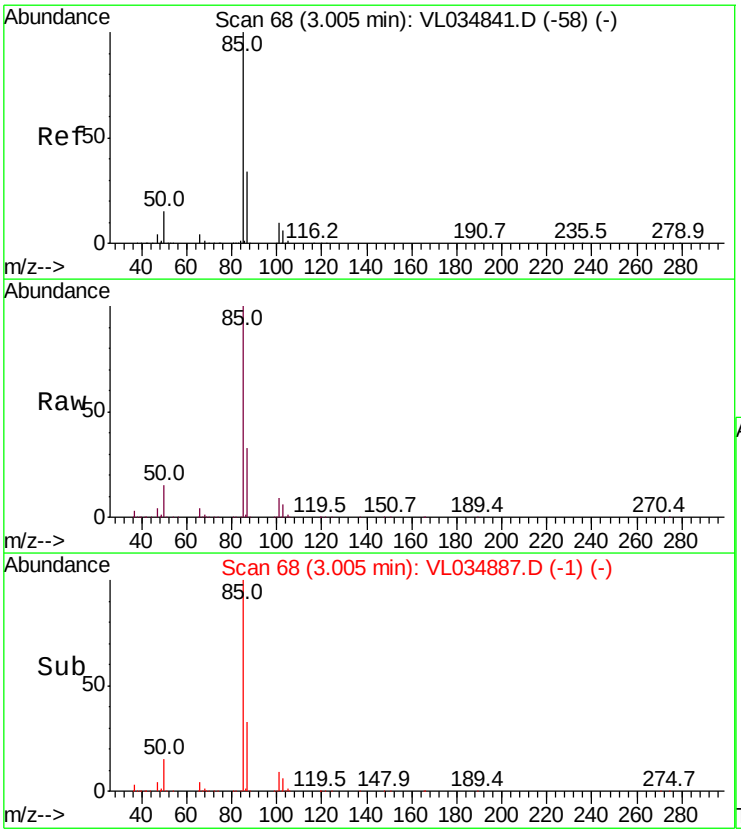
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 955153

Ion	Ratio	Lower	Upper
49	100		
128	44.9	23.4	70.3
130	57.3	30.0	90.0

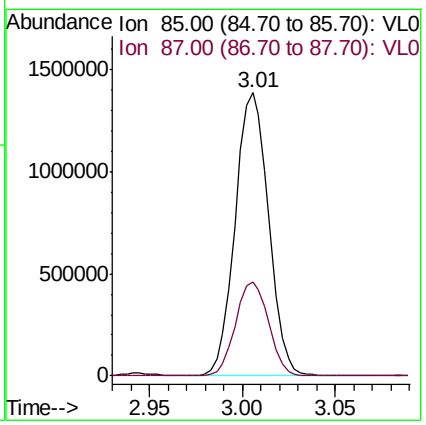


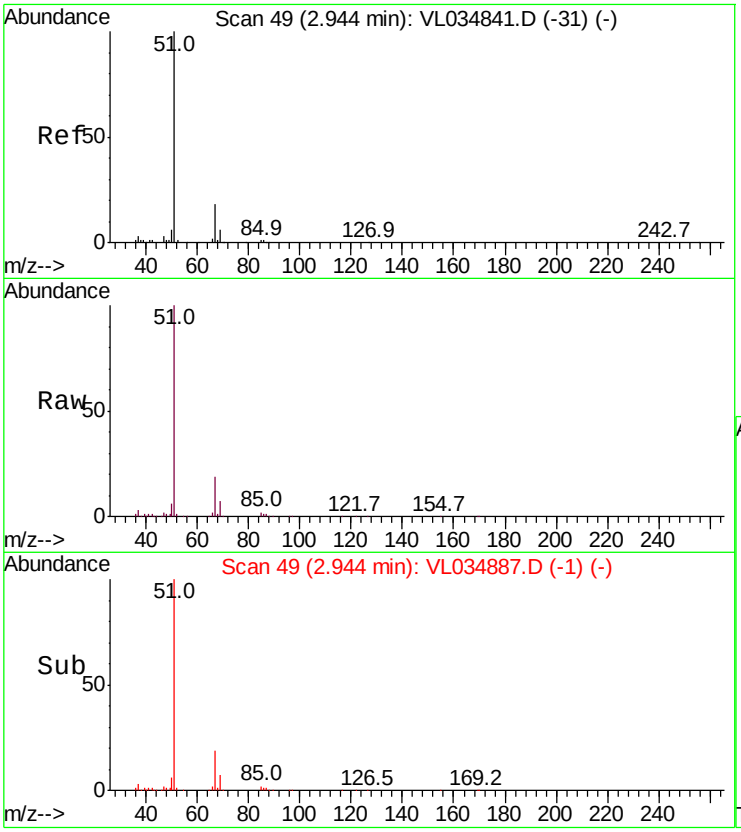


#2
Dichlorodifluoromethane
Concen: 13.225 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 85 Resp: 1729726

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.9	40.3



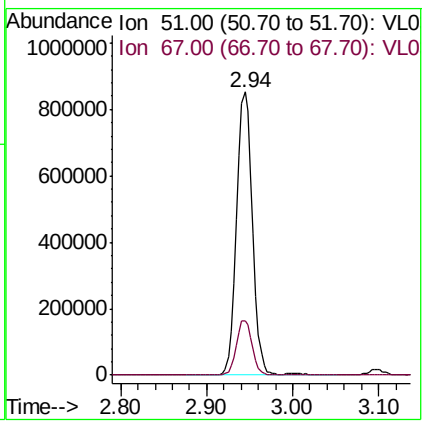


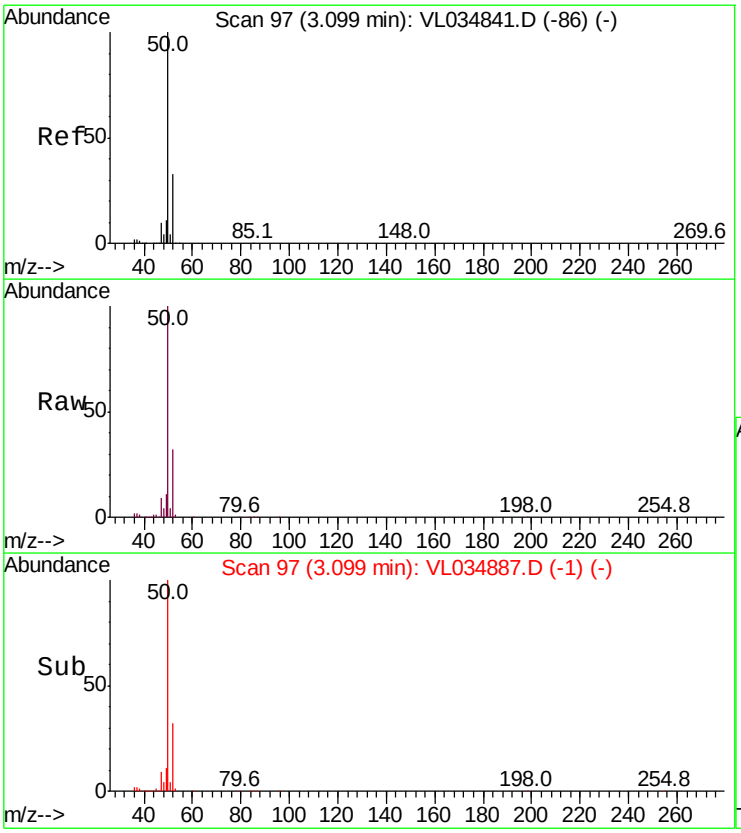
#3
Chlorodifluoromethane
Concen: 10.213 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1089710

Ion	Ratio	Lower	Upper
51	100		
67	18.8	14.3	21.5

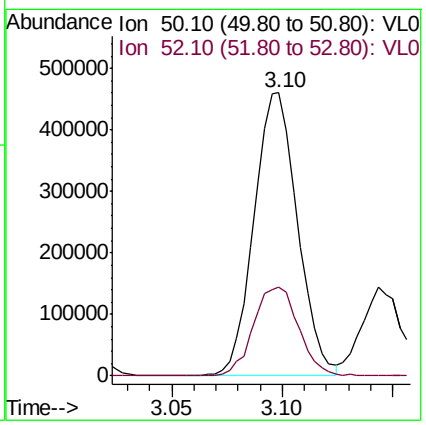


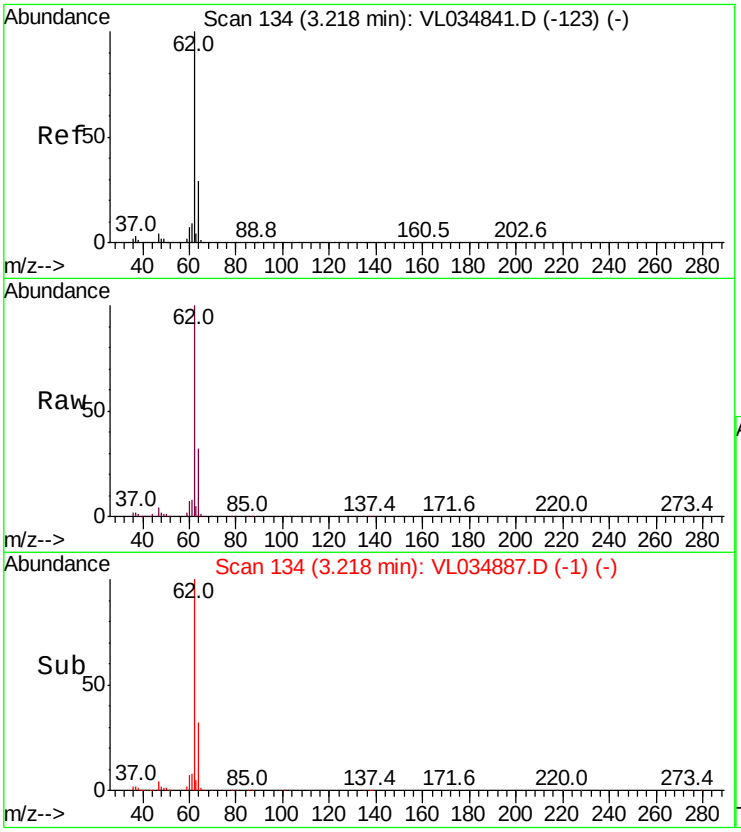


#4
Chloromethane
Concen: 10.431 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 50 Resp: 629022

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2



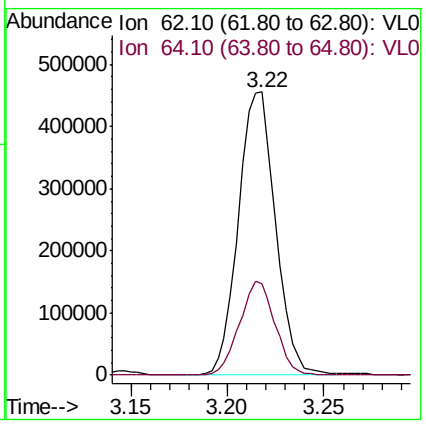


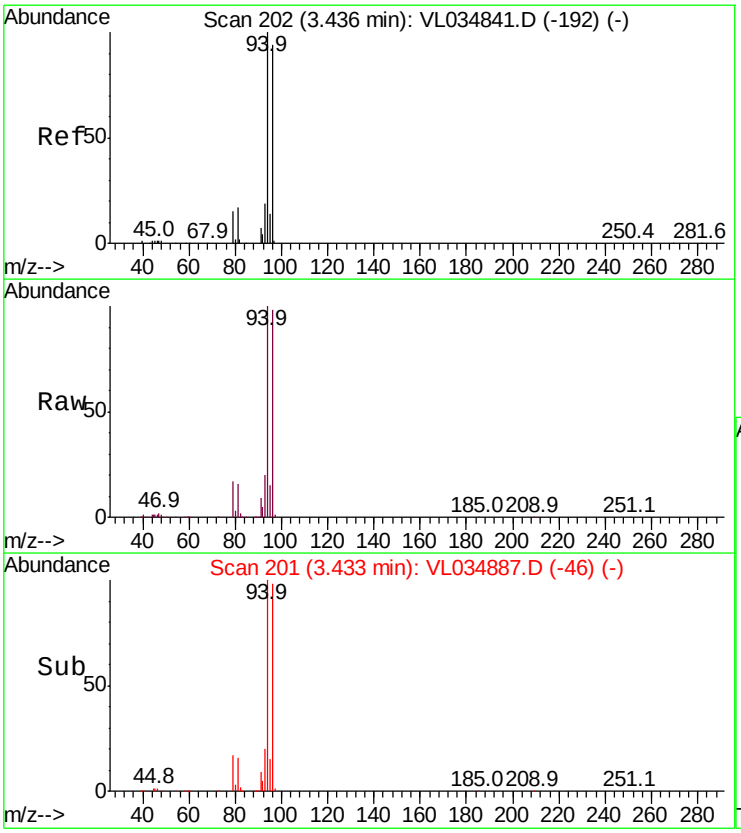
#5
Vinyl Chloride
Concen: 10.515 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 609609

Ion	Ratio	Lower	Upper
62	100		
64	32.1	23.0	34.4

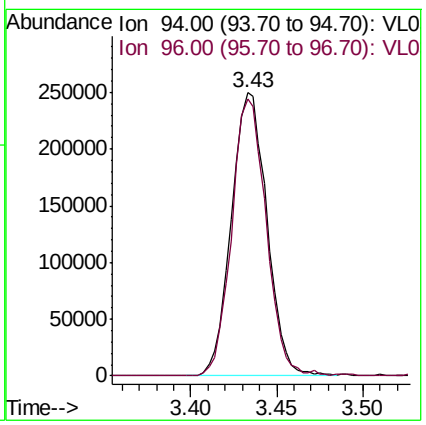


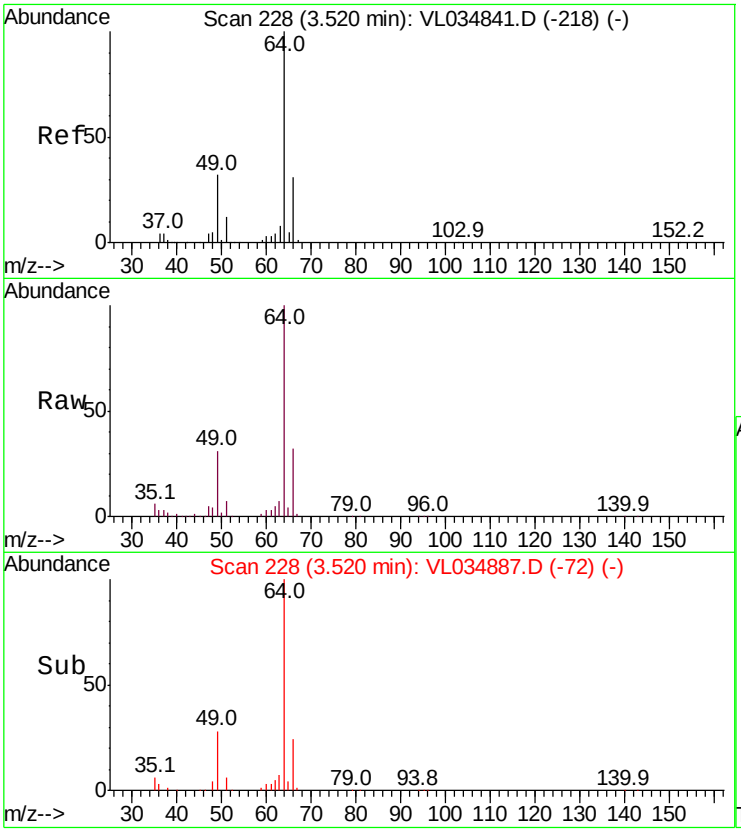


#6
Bromomethane
Concen: 10.694 ppbv
RT: 3.43 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 94 Resp: 360902

Ion	Ratio	Lower	Upper
94	100		
96	97.9	75.5	113.3



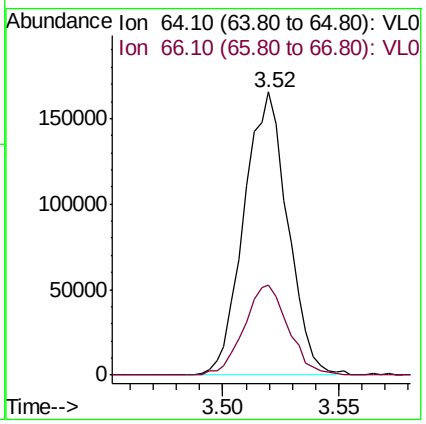


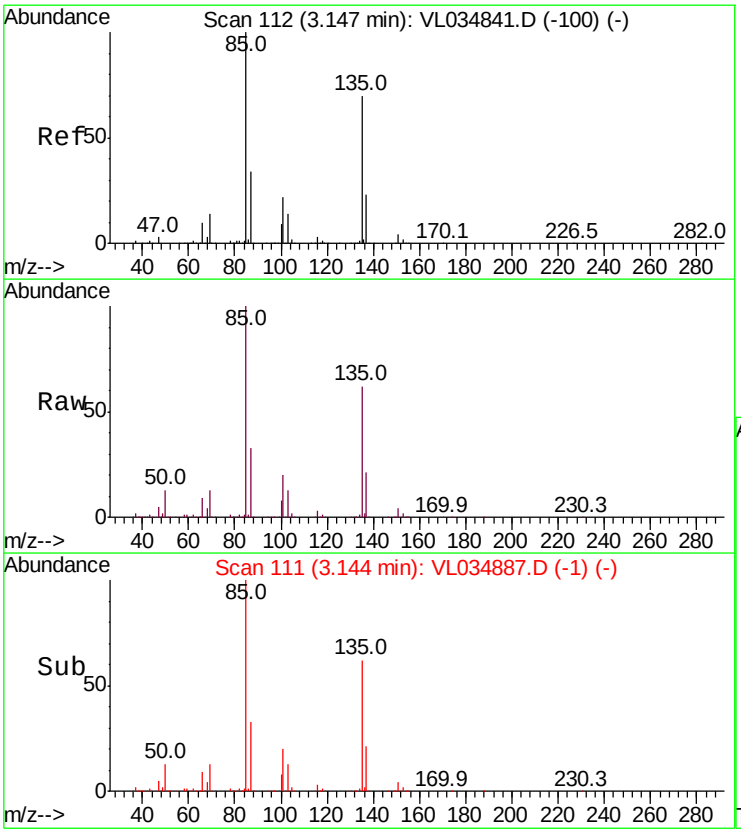
#7
Chloroethane
Concen: 10.369 ppbv
RT: 3.52 min Scan# 228
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 217082

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.8	37.2

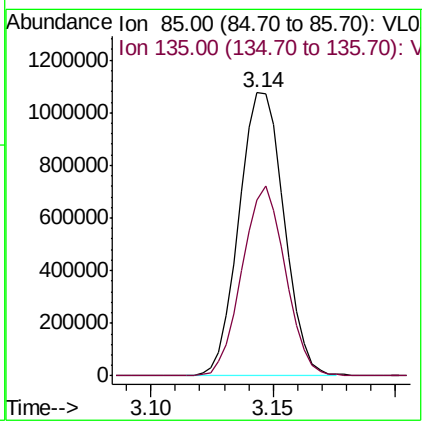


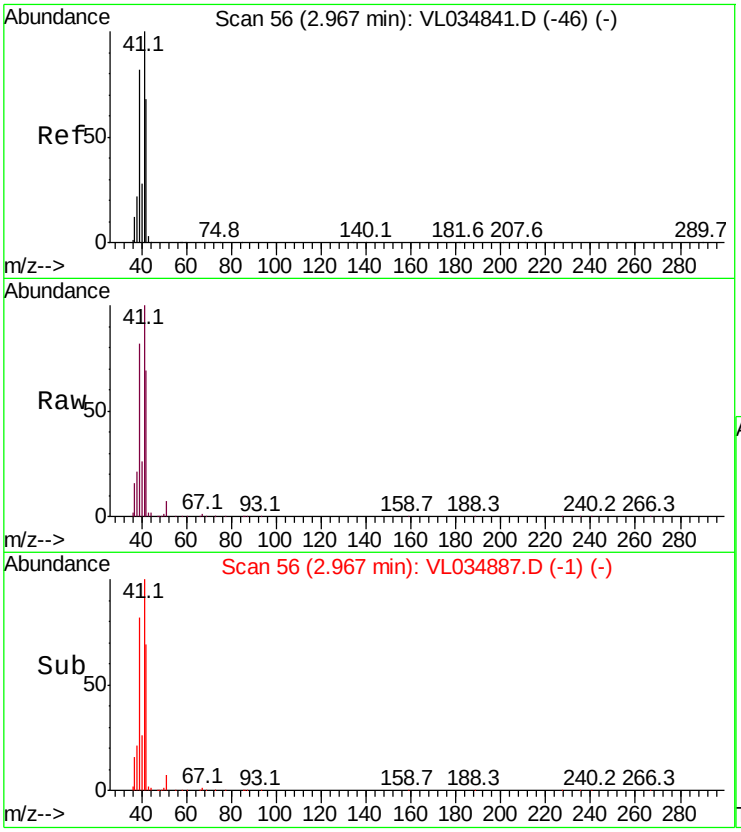


#8
Dichlorotetrafluoroethane
Concen: 10.131 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 85 Resp: 1376175

Ion	Ratio	Lower	Upper
85	100		
135	64.4	54.3	81.5

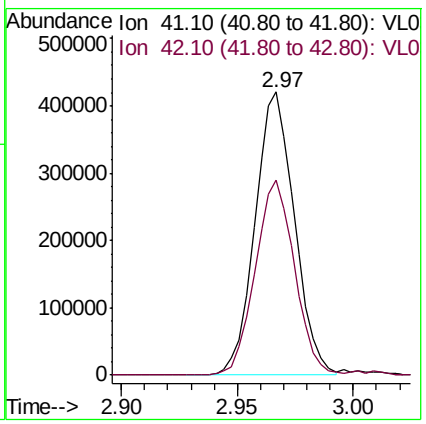




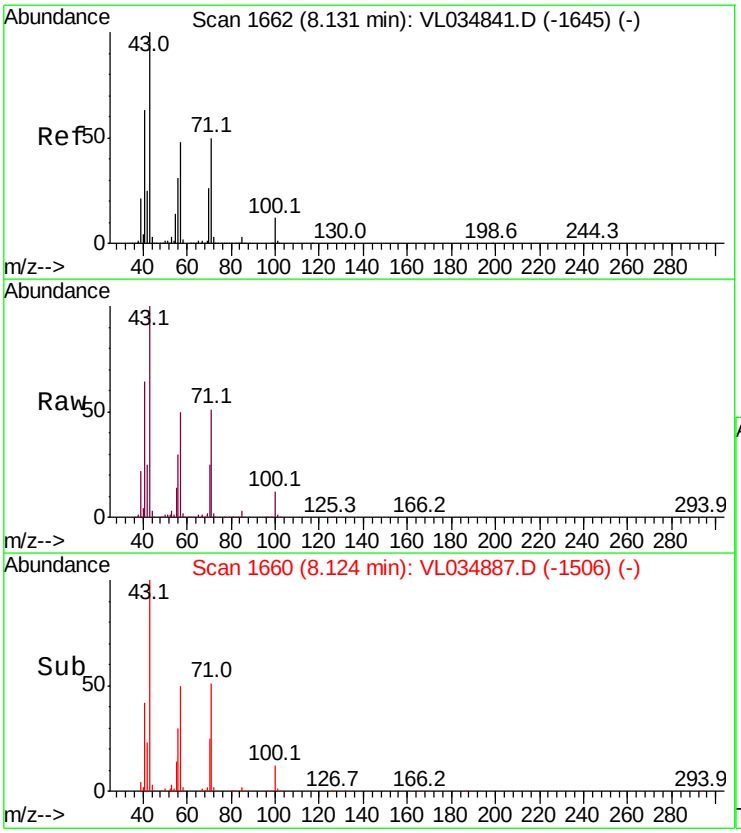
#9
Propene
Concen: 9.746 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 41 Resp: 496495

Ion	Ratio	Lower	Upper
41	100		
42	70.1	55.2	82.8



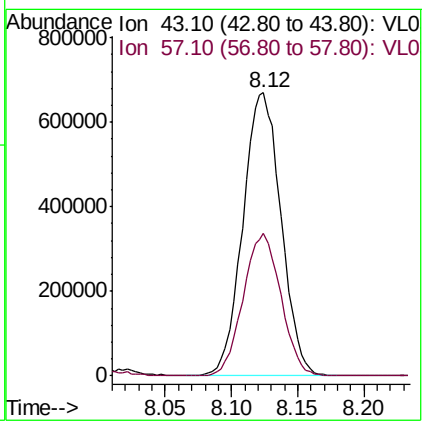
Instrument :
MSVOA_L
ClientSampleId :

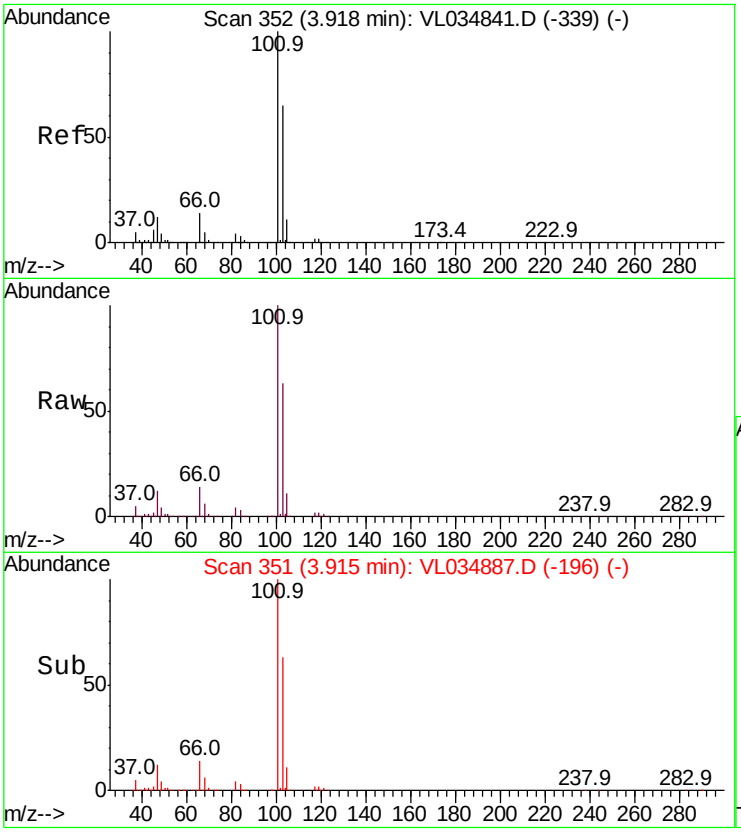


#10
Heptane
Concen: 10.620 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 43 Resp: 1331409

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.7	59.5



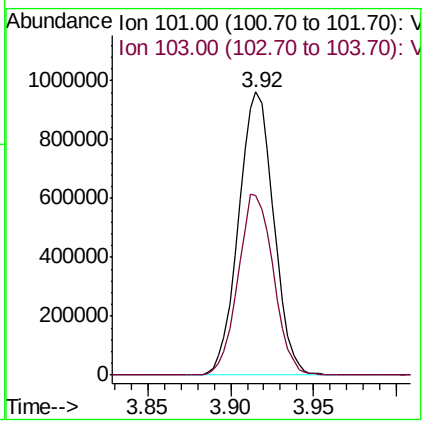


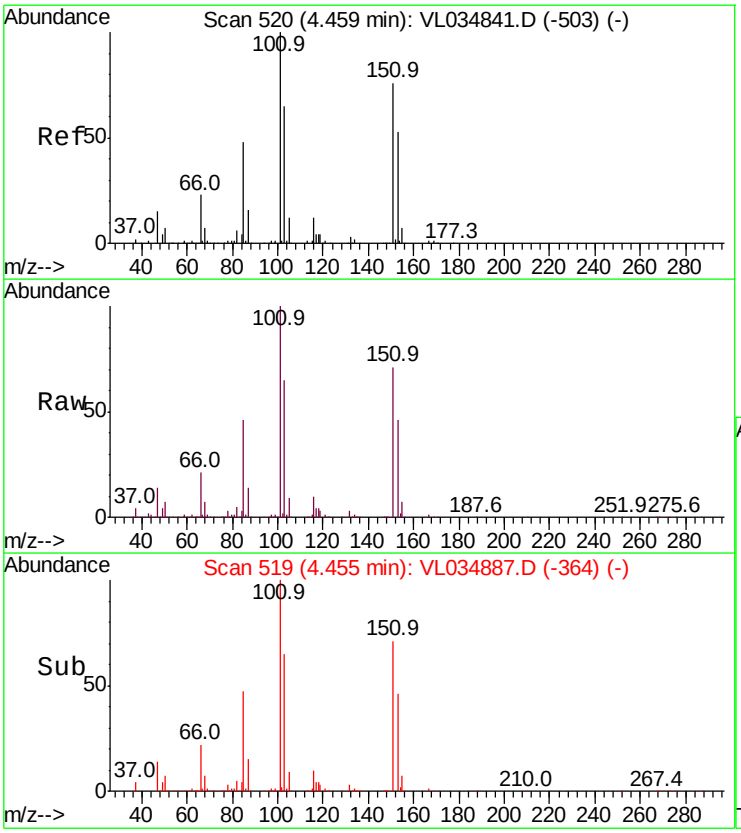
#11
Trichlorofluoromethane
Concen: 10.166 ppbv
RT: 3.92 min Scan# 351
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1414597

Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.8

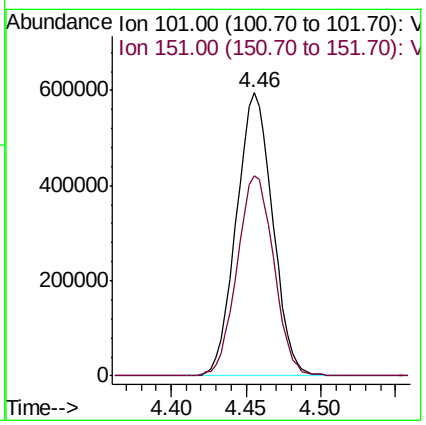


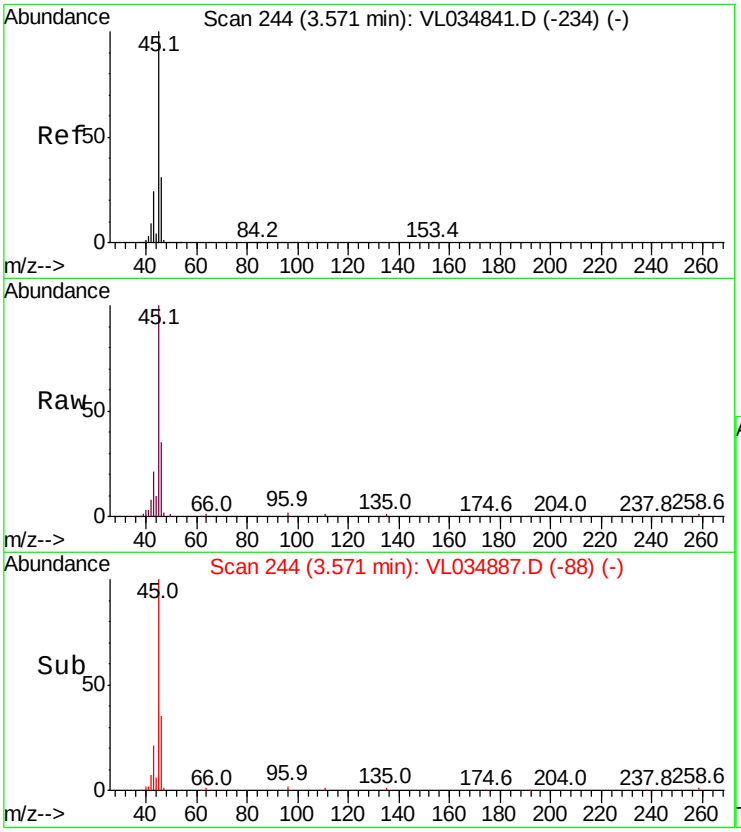


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.325 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:101 Resp: 1005572

Ion	Ratio	Lower	Upper
101	100		
151	71.7	60.8	91.2



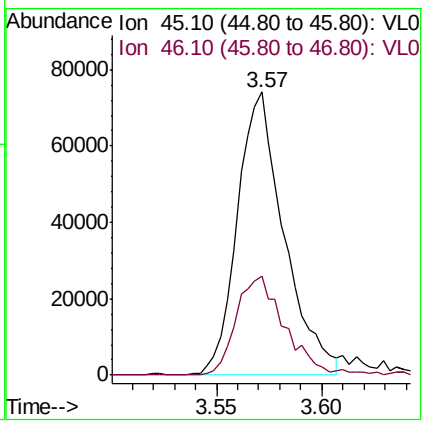


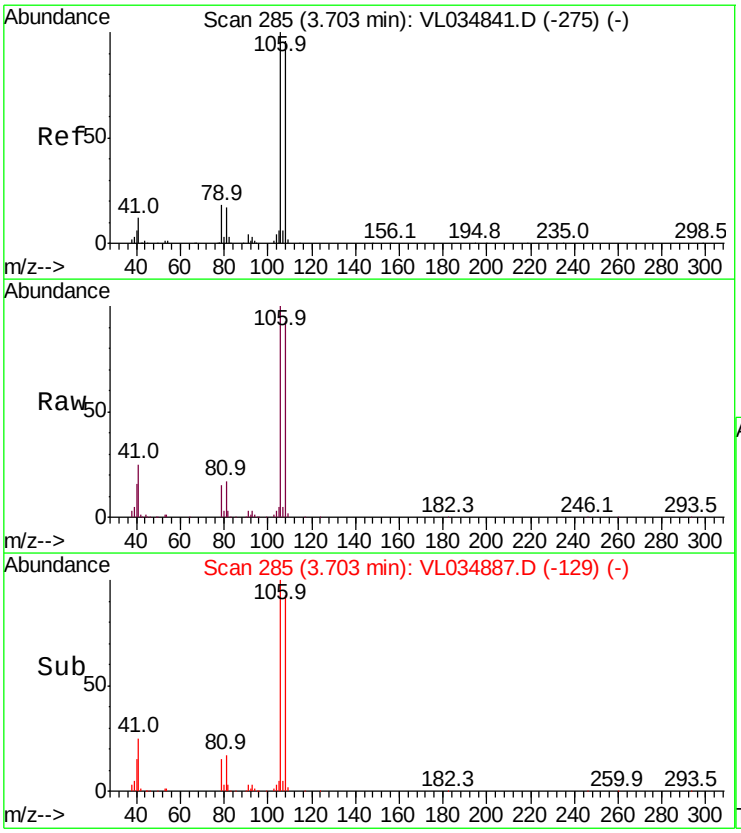
#13
Ethanol
Concen: 7.376 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 114239

Ion	Ratio	Lower	Upper
45	100		
46	37.4	16.0	64.0

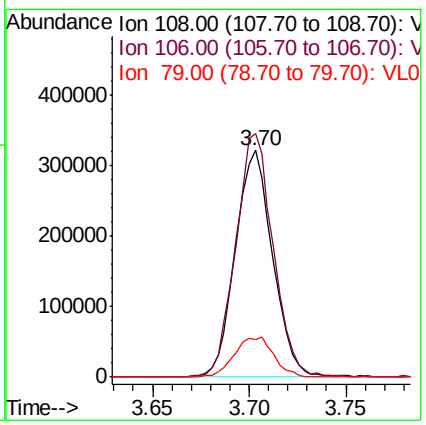


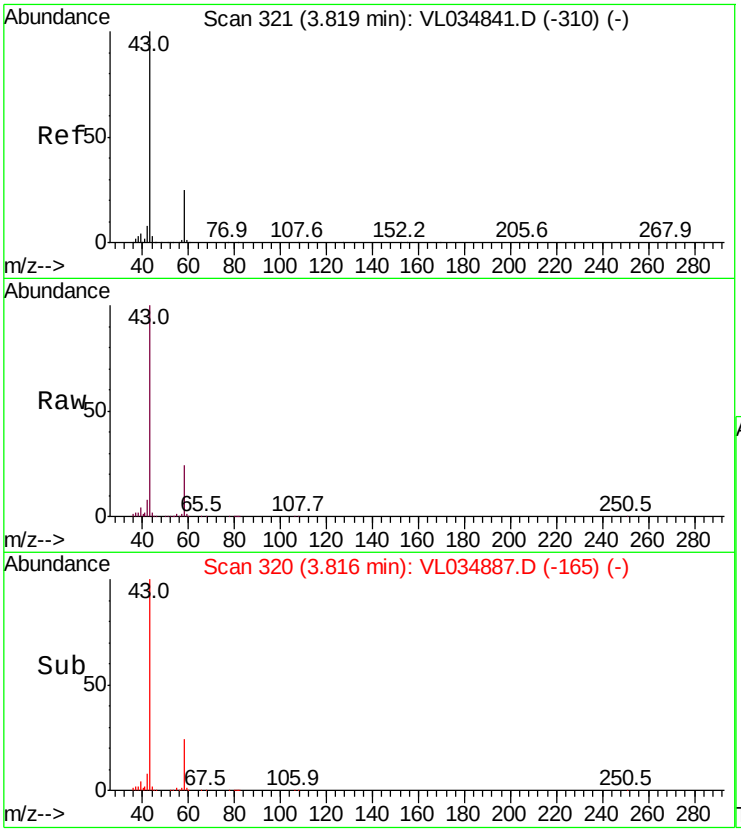


#14
Bromoethene
Concen: 10.228 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:108 Resp: 430202

Ion	Ratio	Lower	Upper
108	100		
106	108.2	85.1	127.7
79	18.7	14.7	22.1



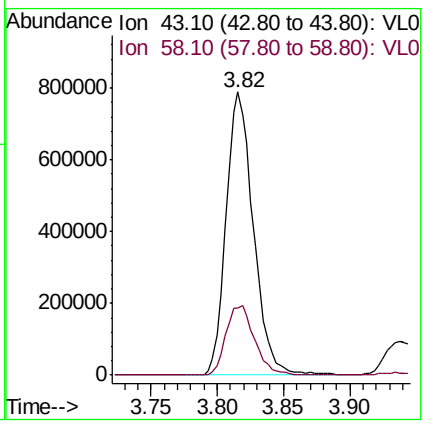


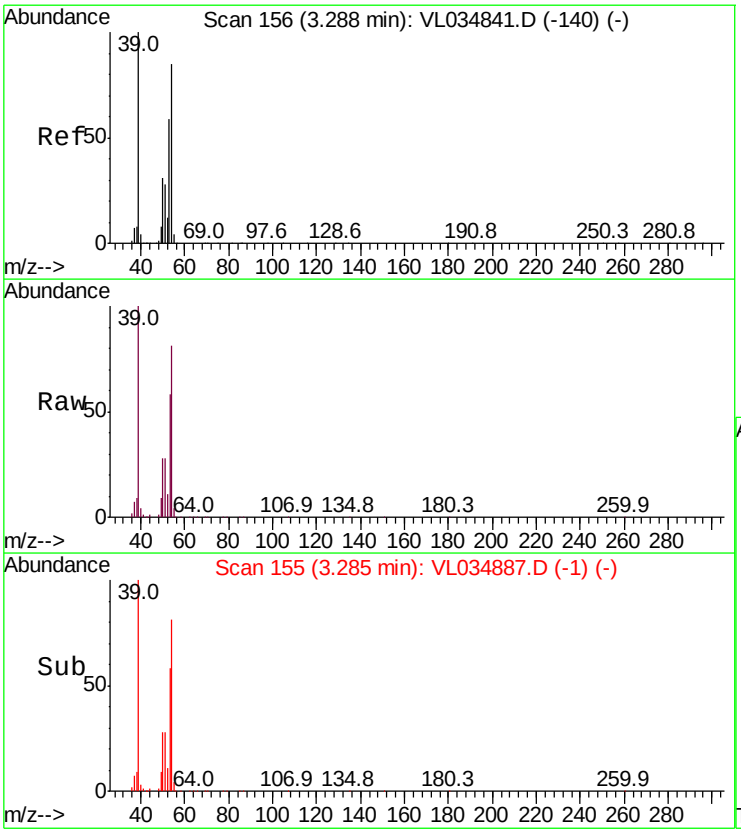
#15
Acetone
Concen: 9.117 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1128687

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.0	31.6

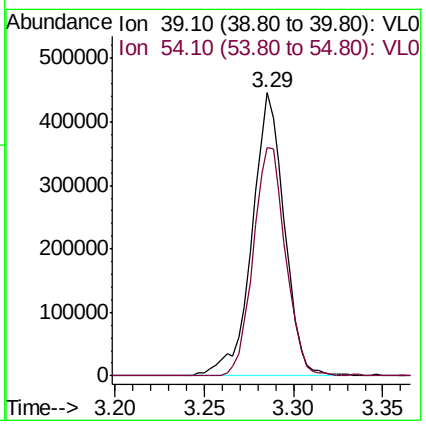


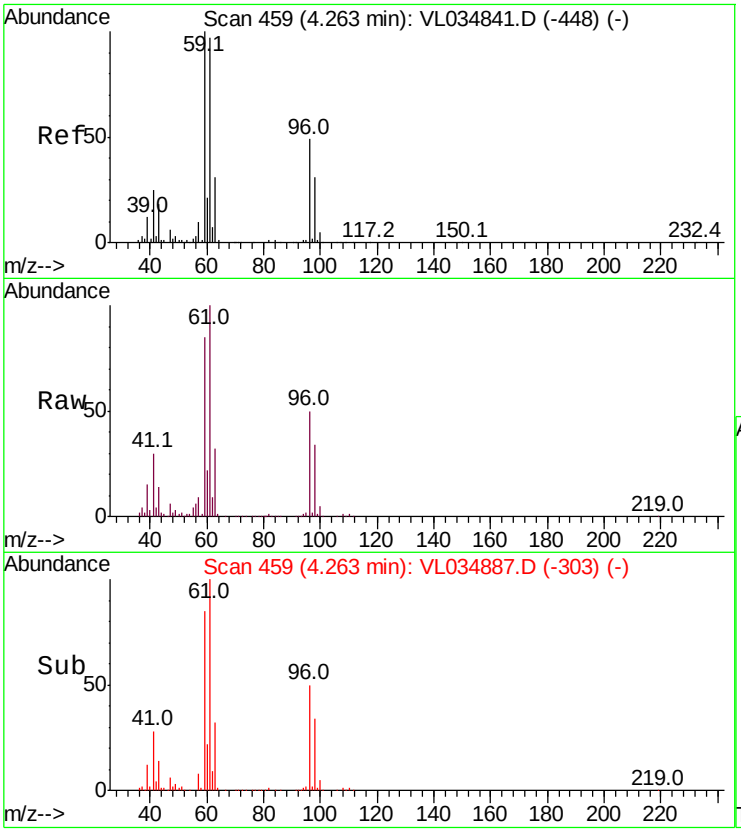


#16
1,3-Butadiene
Concen: 10.081 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 39 Resp: 564369

Ion	Ratio	Lower	Upper
39	100		
54	81.6	65.0	97.6



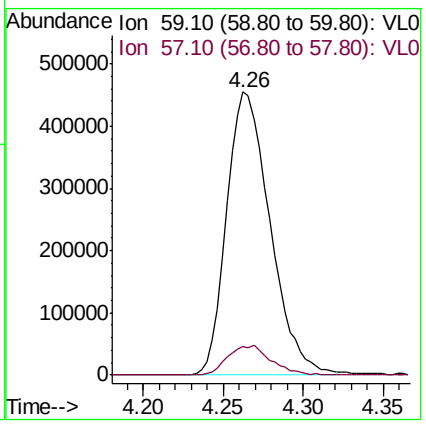


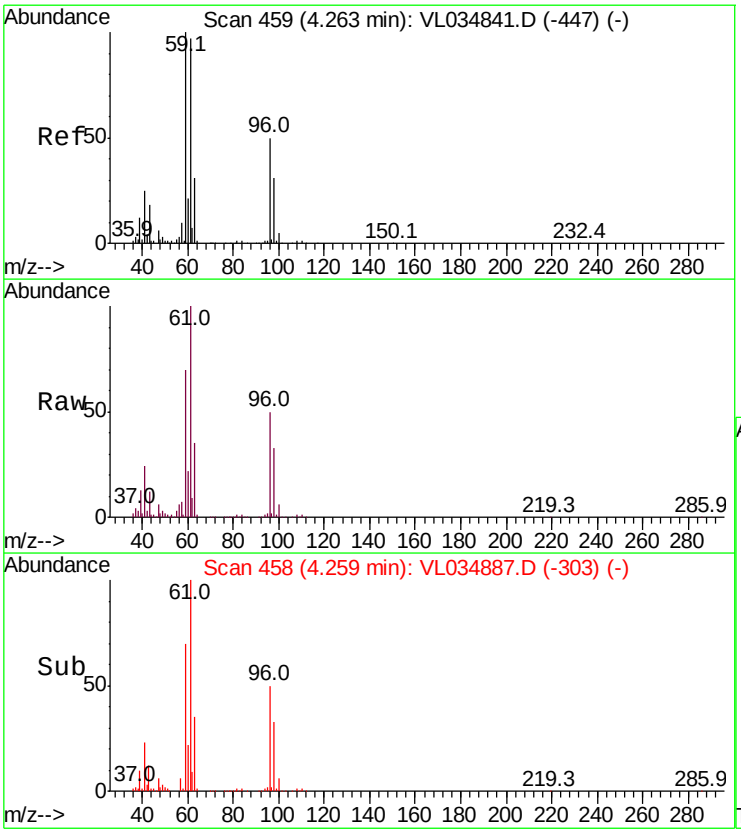
#17
tert-Butyl alcohol
Concen: 7.067 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 842882

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

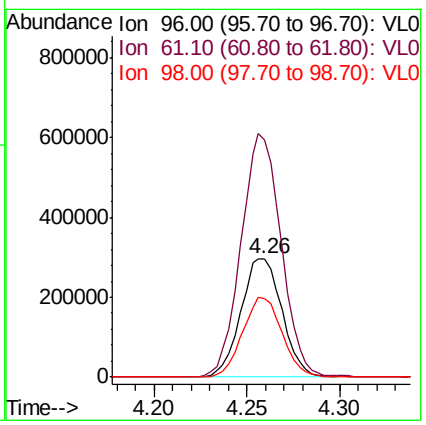


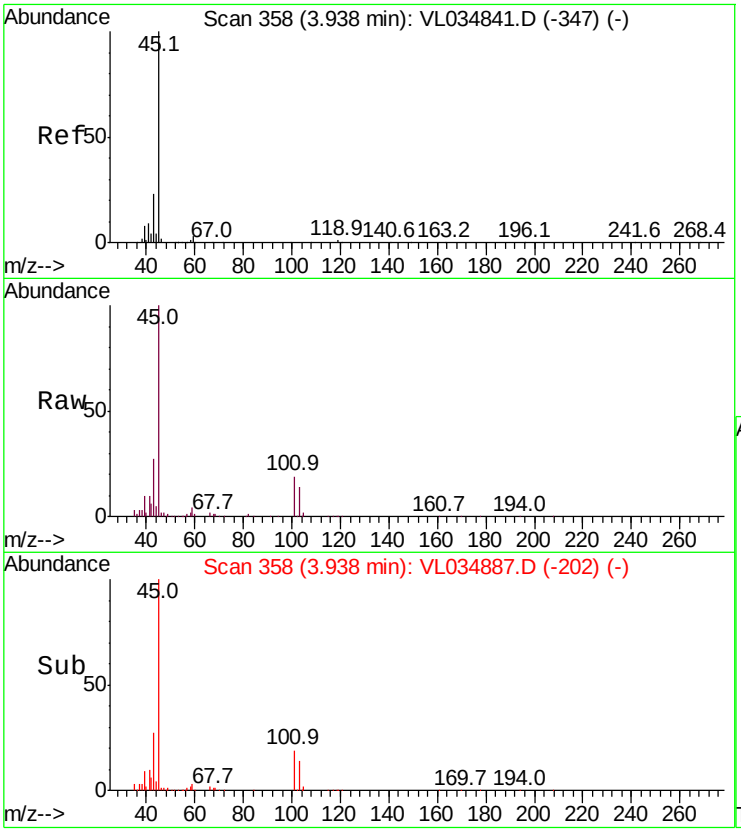


#18
1,1-Dichloroethene
Concen: 10.603 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 96 Resp: 457306

Ion	Ratio	Lower	Upper
96	100		
61	200.8	157.3	235.9
98	66.6	50.2	75.4



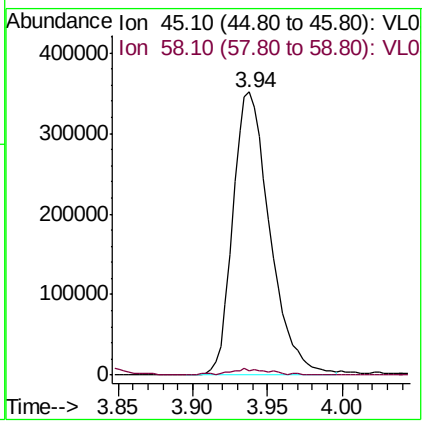


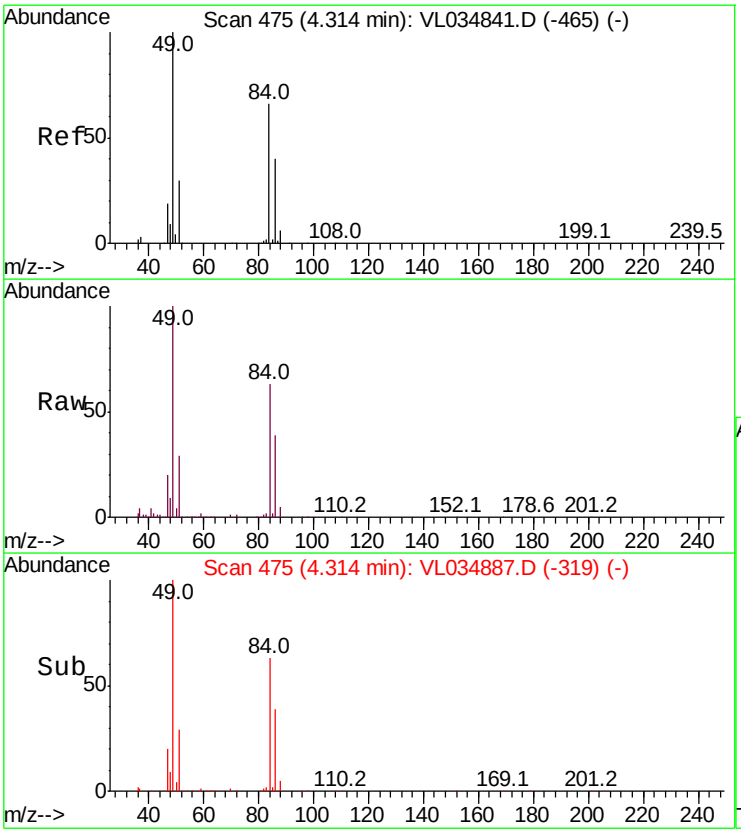
#19
Isopropyl Alcohol
Concen: 7.703 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 602190

Ion	Ratio	Lower	Upper
45	100		
58	2.5	30.5	45.7#

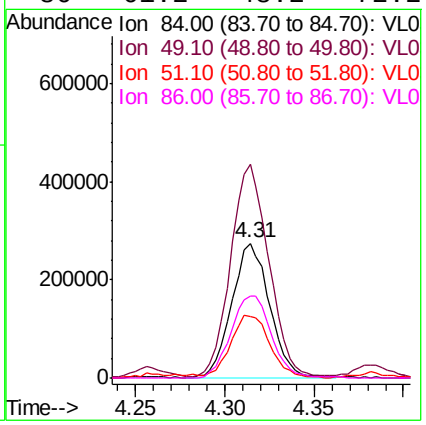


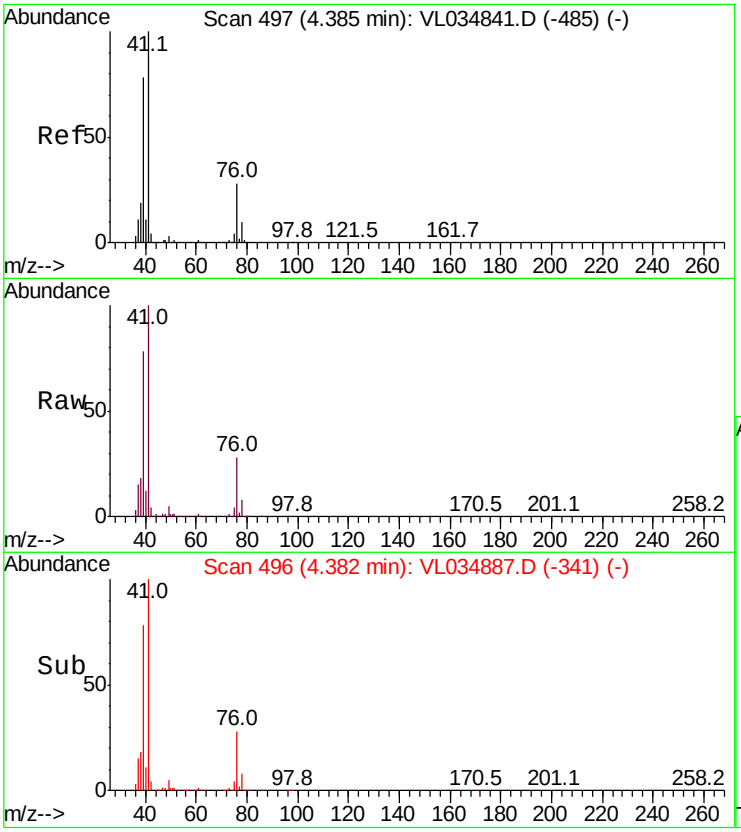


#20
Methylene Chloride
Concen: 10.364 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 84 Resp: 405649

Ion	Ratio	Lower	Upper
84	100		
49	157.8	121.5	182.3
51	45.3	36.6	55.0
86	61.2	48.2	72.2



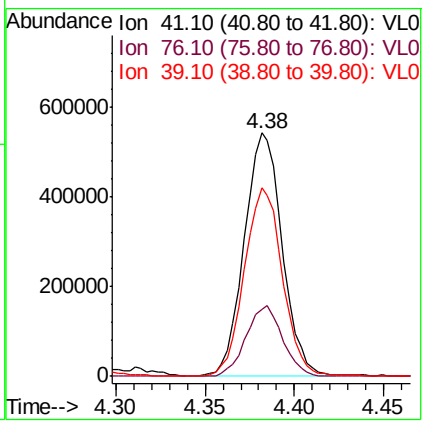


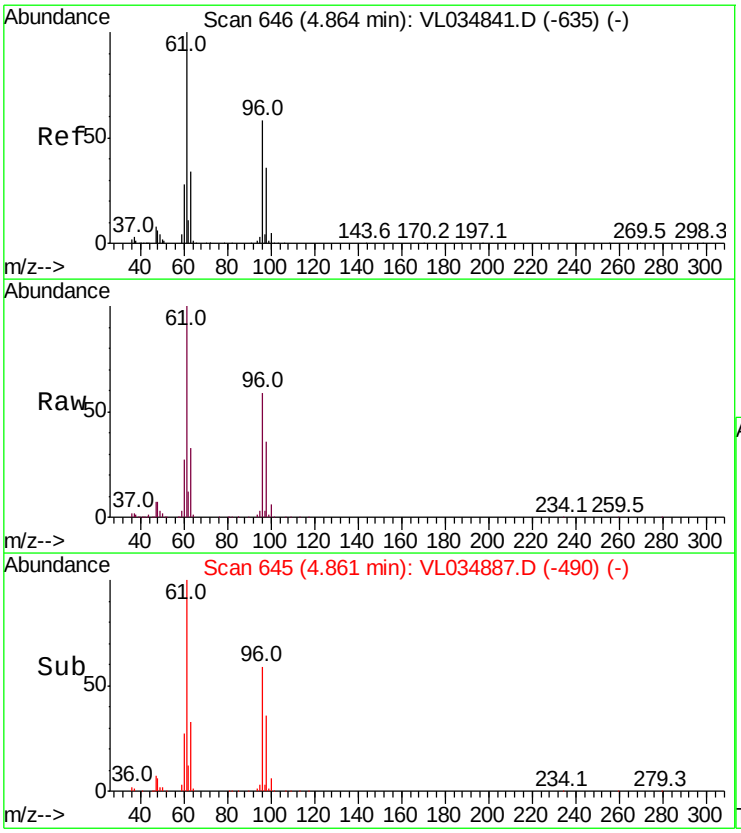
#21
Allyl Chloride
Concen: 10.047 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 798786

Ion	Ratio	Lower	Upper
41	100		
76	28.3	22.2	33.2
39	78.3	62.6	93.8

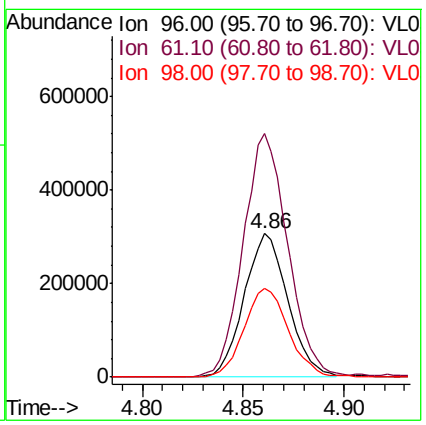


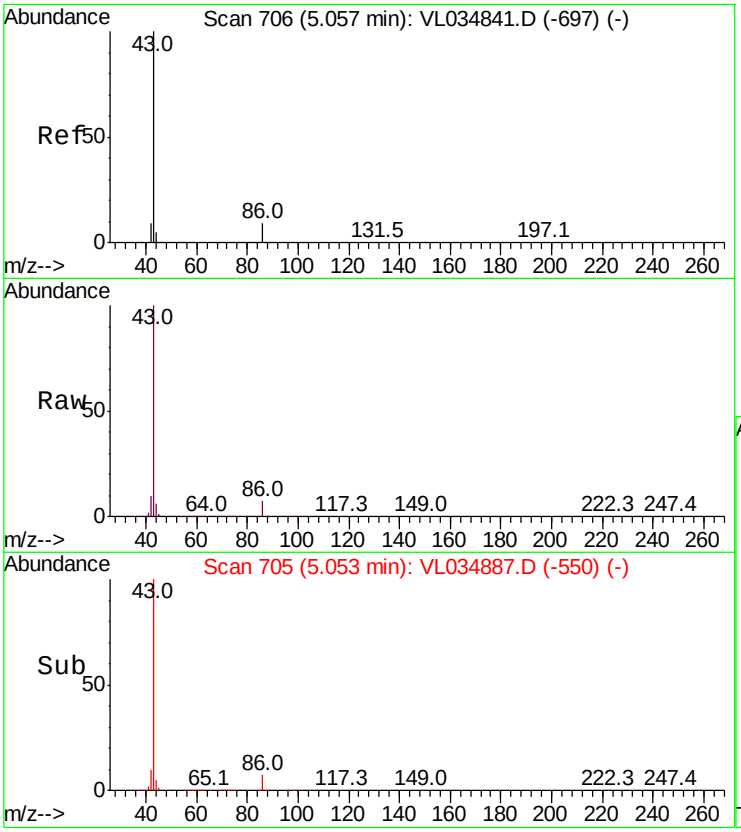


#22
trans-1,2-Dichloroethene
Concen: 10.647 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 96 Resp: 465863

Ion	Ratio	Lower	Upper
96	100		
61	169.6	139.0	208.6
98	61.6	50.3	75.5



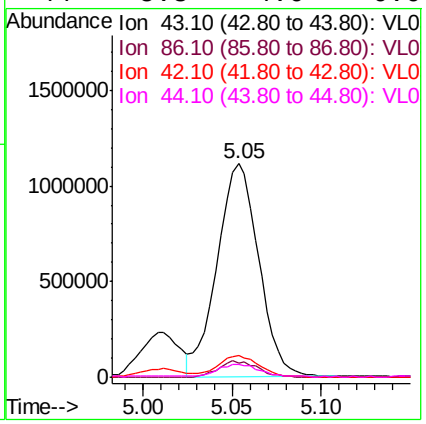


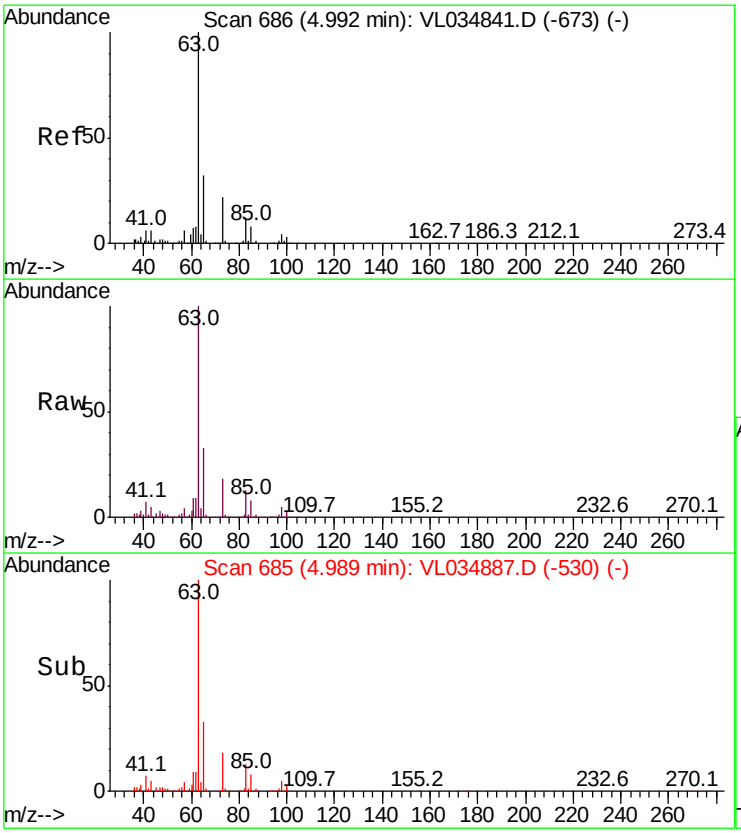
#23
Vinyl Acetate
Concen: 9.875 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1805908

Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.3	9.5
42	10.0	7.8	11.8
44	5.8	4.0	6.0

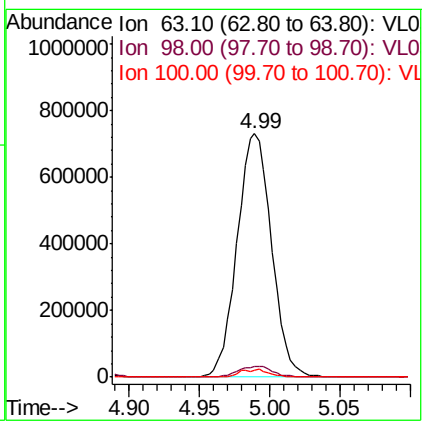


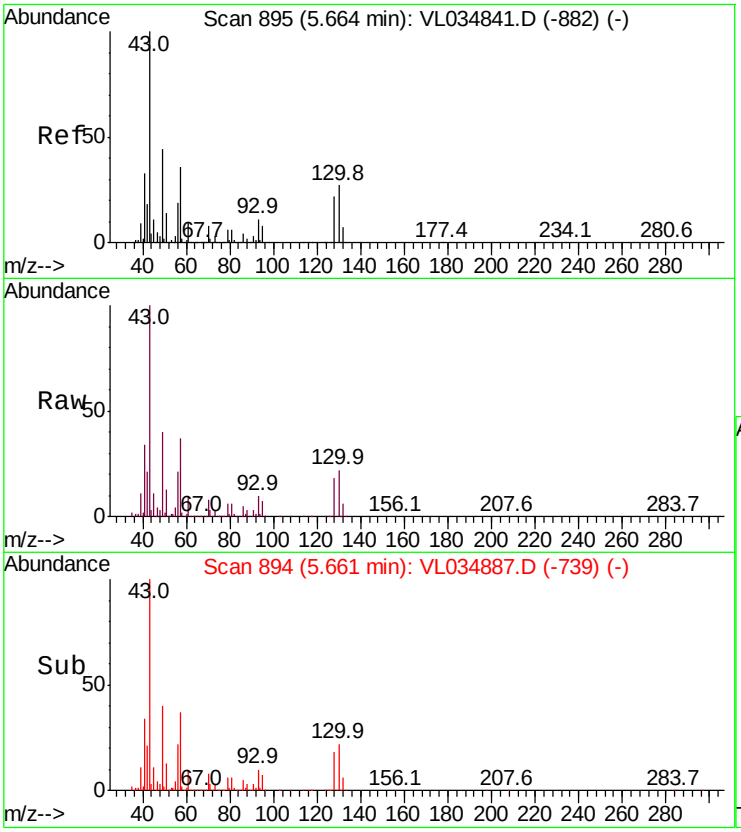


#24
1,1-Dichloroethane
Concen: 10.165 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 63 Resp: 1246116

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	5.8
100	2.8	1.4	4.0



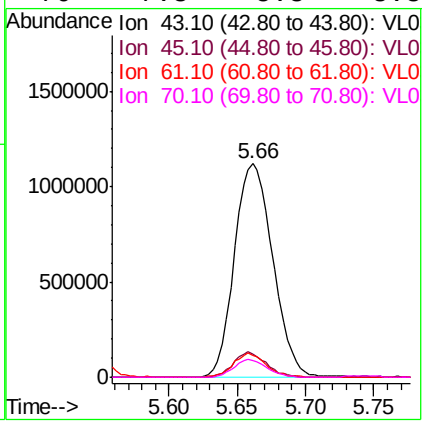


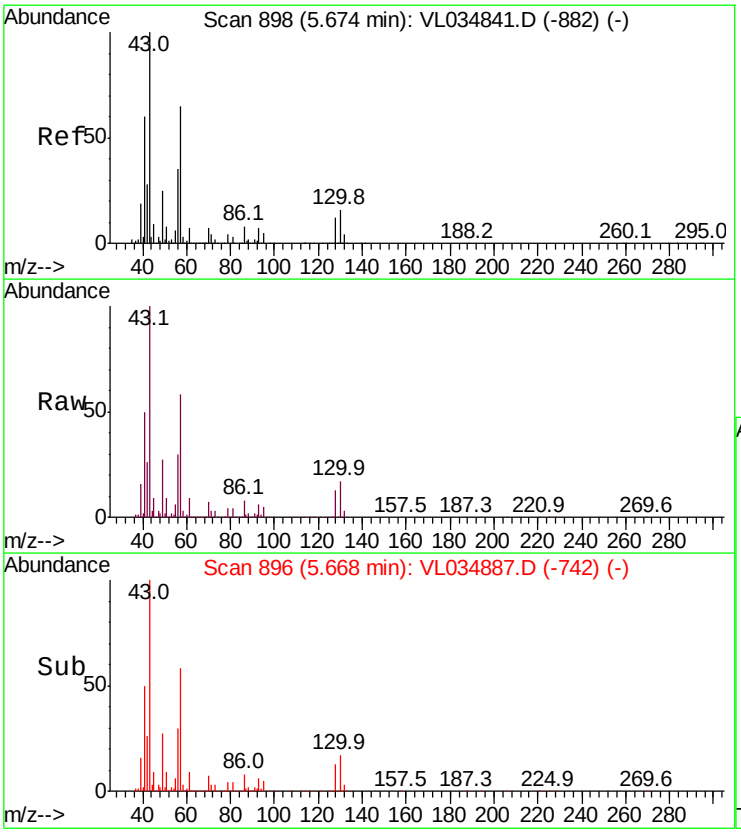
#25
Ethyl Acetate
Concen: 9.918 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2187497

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.8	7.8	11.6
70	7.3	5.8	8.8

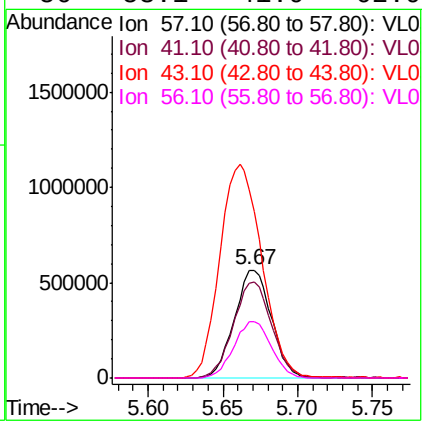


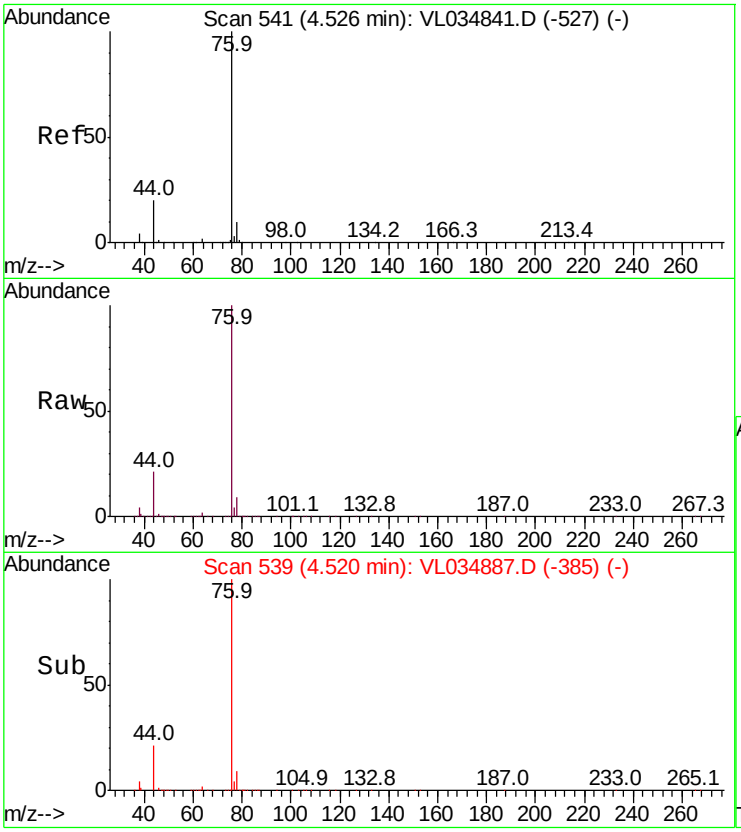


#26
Hexane
Concen: 10.267 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 57 Resp: 975124

Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.6	109.0
43	225.5	183.8	275.6
56	53.1	41.9	62.9



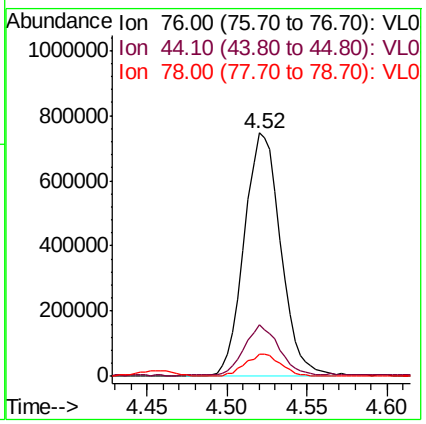


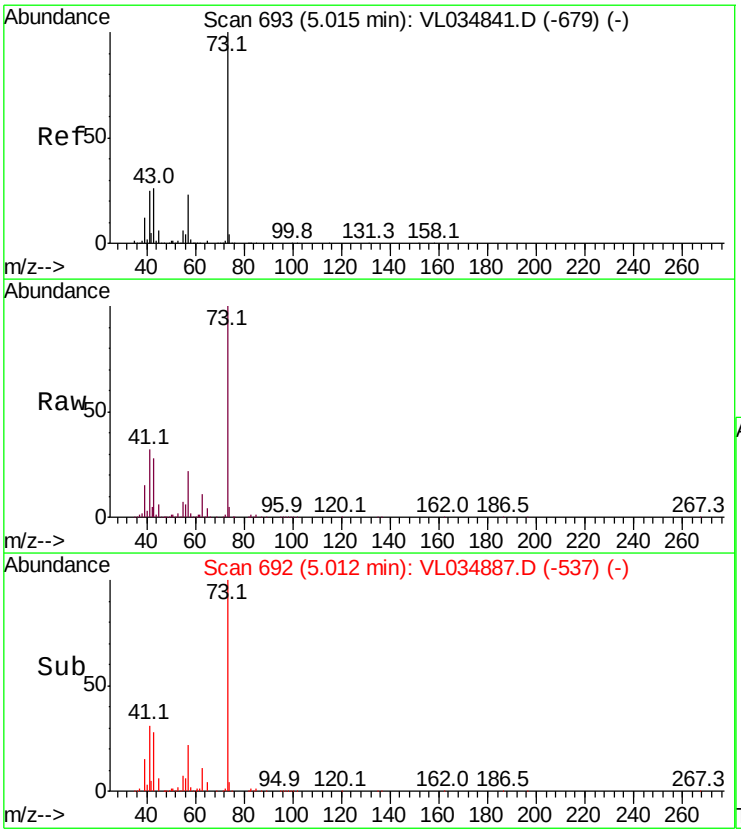
#27
Carbon Disulfide
Concen: 10.802 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1164112

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.2	24.2
78	9.4	7.8	11.6

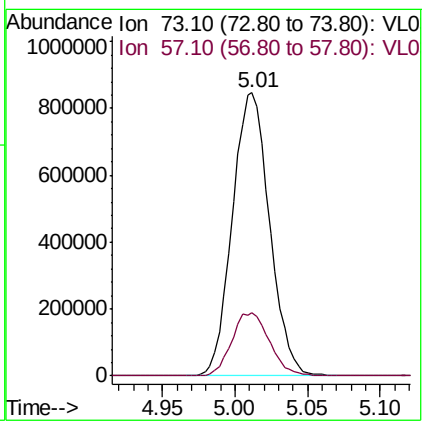


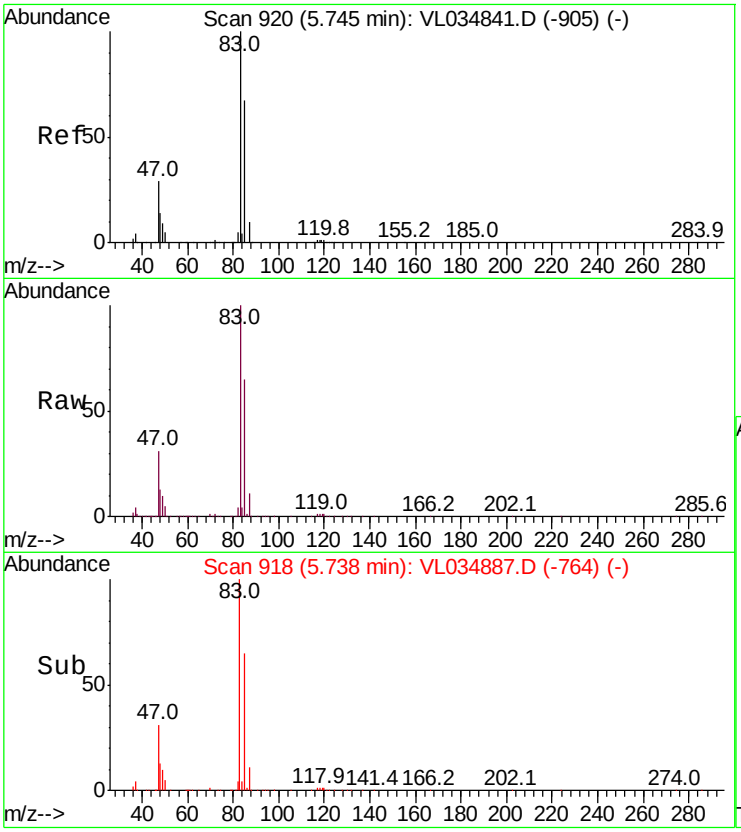


#28
Methyl tert-Butyl Ether
Concen: 9.552 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 73 Resp: 1509359

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5



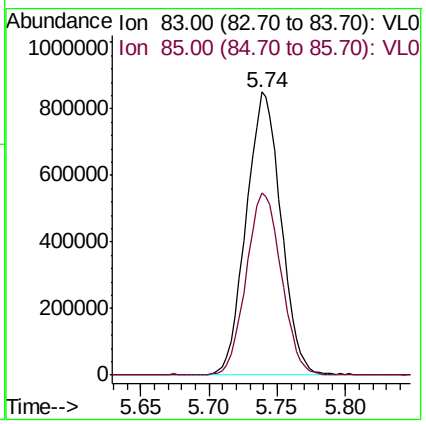


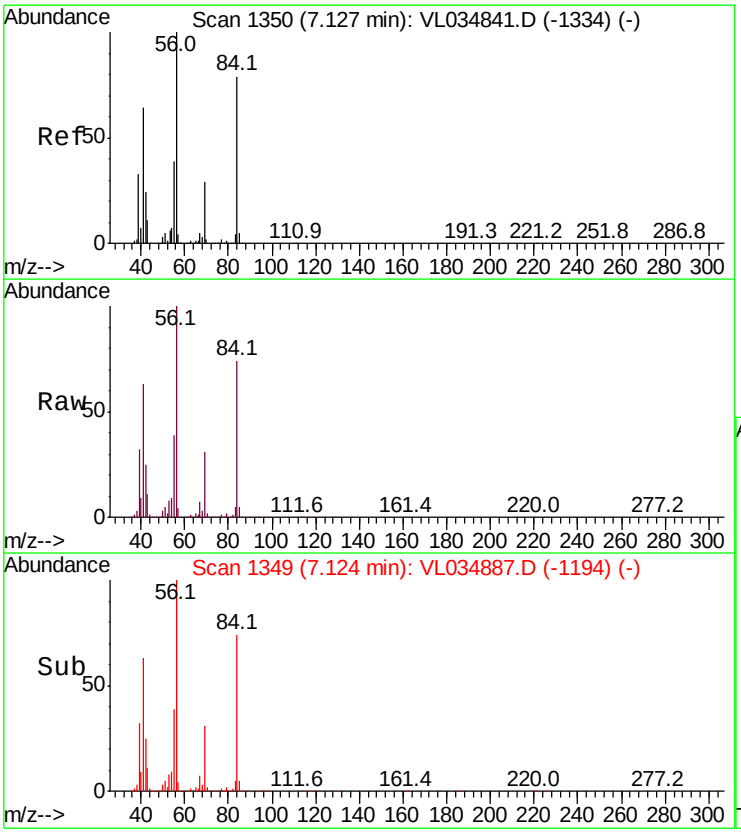
#29
Chloroform
Concen: 10.409 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1508334

Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.8	80.6

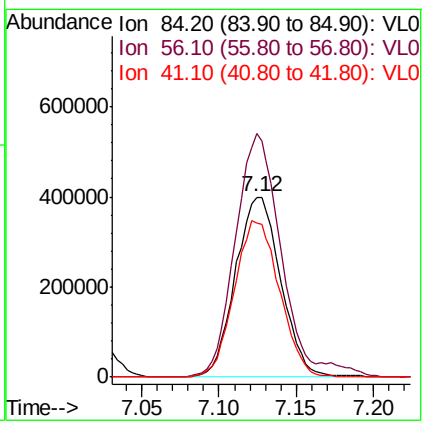


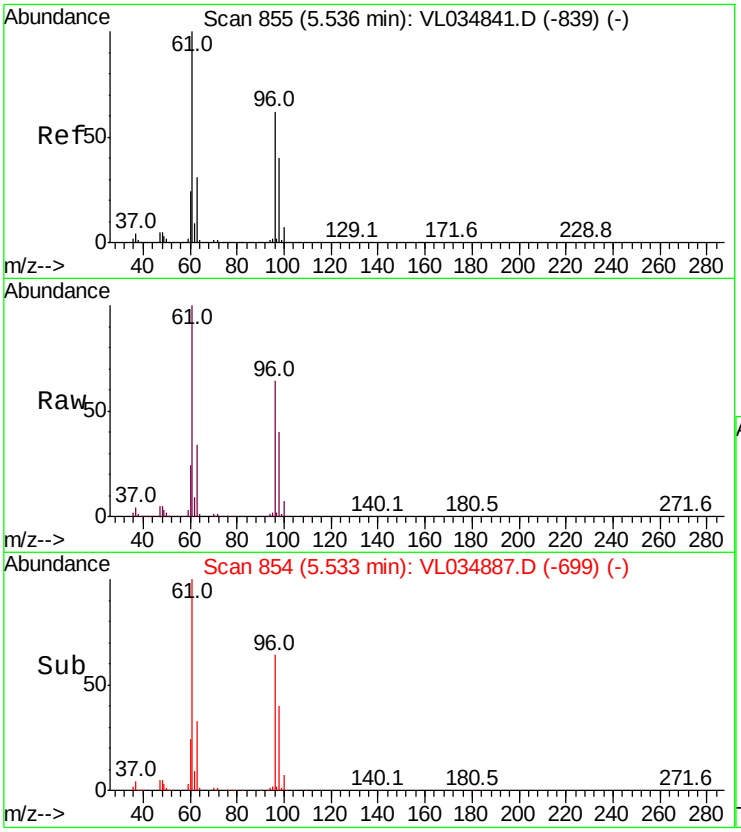


#30
Cyclohexane
Concen: 10.186 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 84 Resp: 807200

Ion	Ratio	Lower	Upper
84	100		
56	139.6	110.5	165.7
41	87.5	68.2	102.4



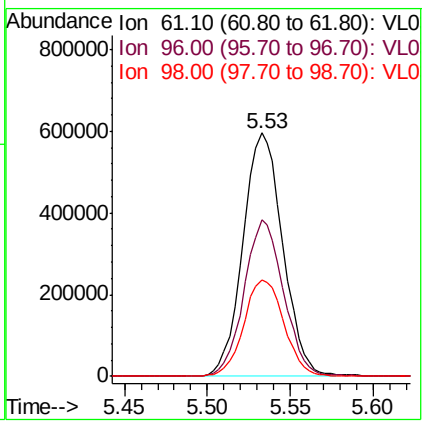


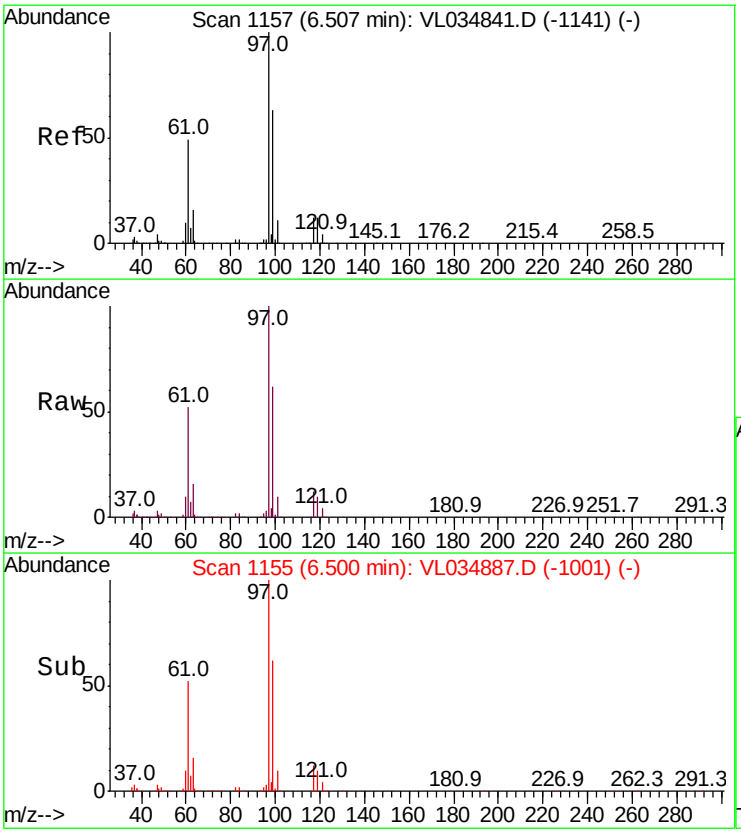
#31
cis-1,2-Dichloroethene
Concen: 10.225 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 993093

Ion	Ratio	Lower	Upper
61	100		
96	64.1	49.8	74.8
98	39.8	32.2	48.4

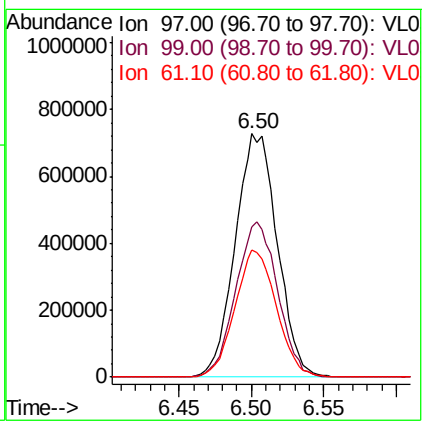


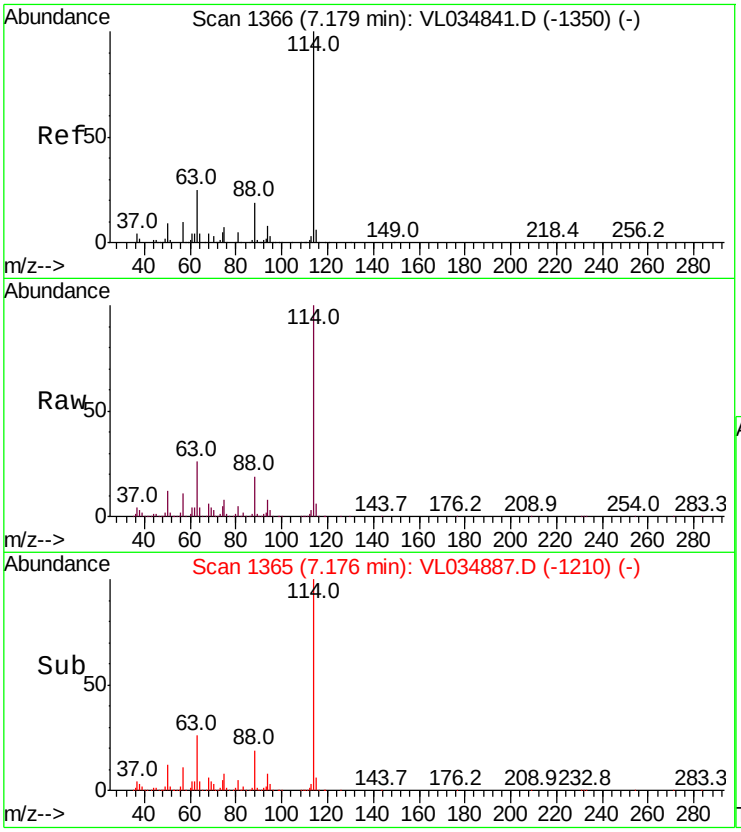


#32
1,1,1-Trichloroethane
Concen: 10.416 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 97 Resp: 1470654

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	51.6	39.7	59.5



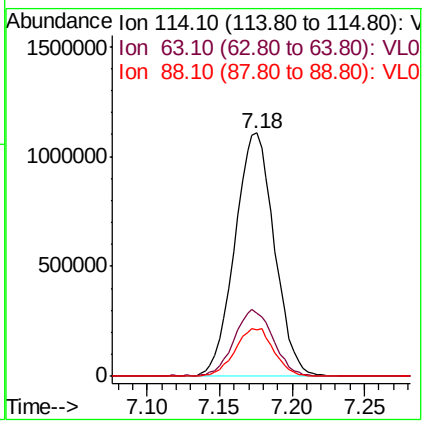


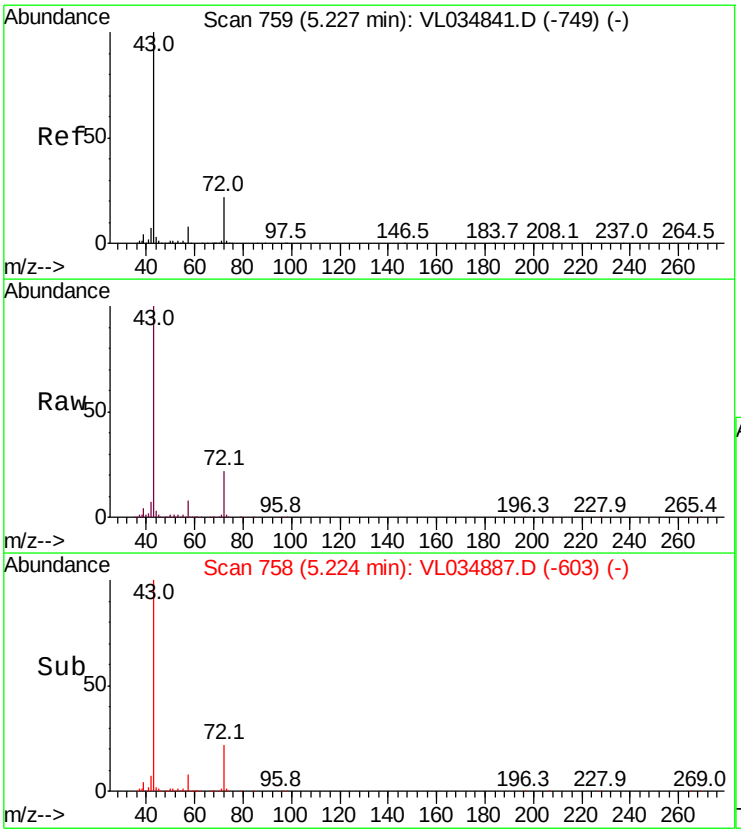
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2096990

Ion	Ratio	Lower	Upper
114	100		
63	27.7	20.6	31.0
88	19.5	15.0	22.6

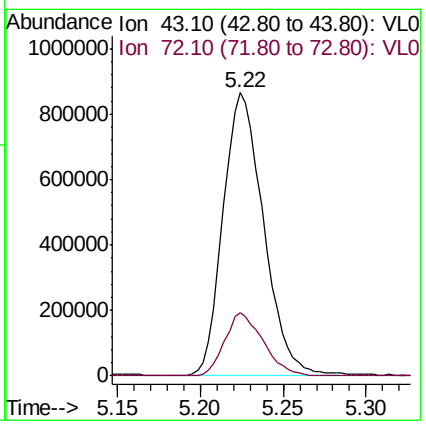


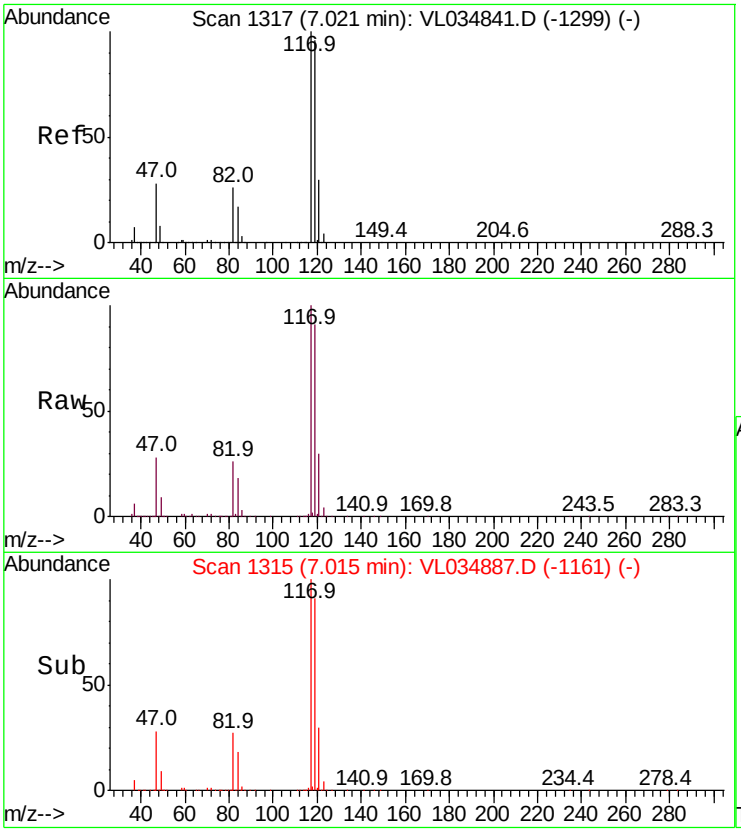


#34
2-Butanone
Concen: 10.533 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 43 Resp: 1467891

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.6	26.4



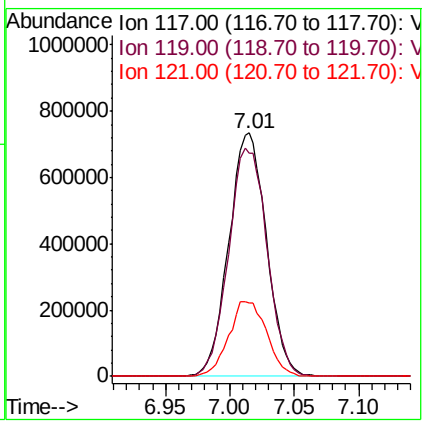


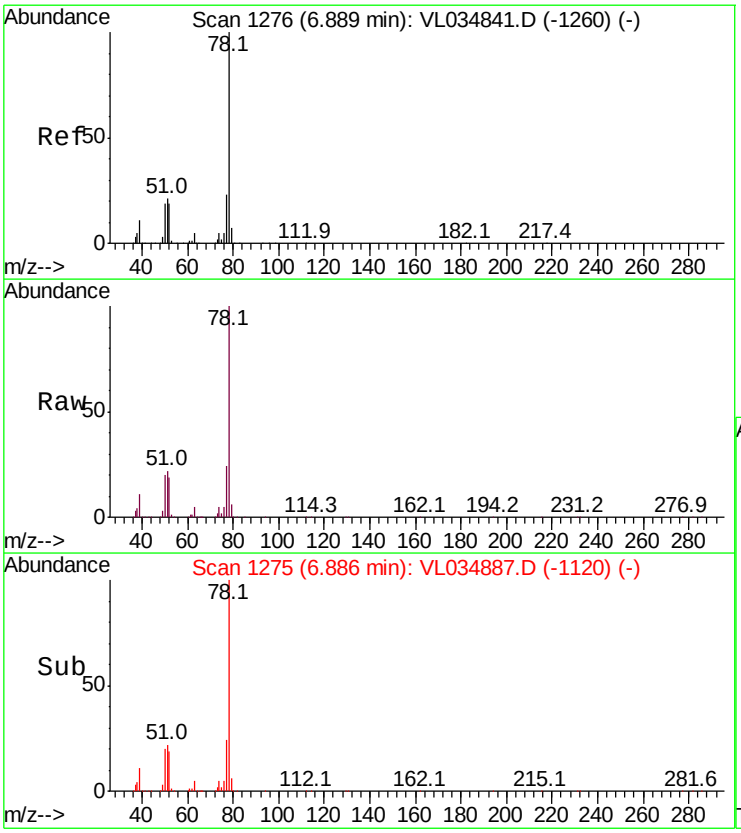
#35
Carbon Tetrachloride
Concen: 11.421 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1489576

Ion	Ratio	Lower	Upper
117	100		
119	91.5	77.0	115.4
121	30.1	24.0	36.0

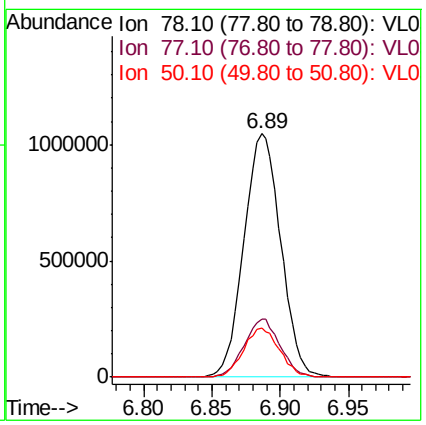


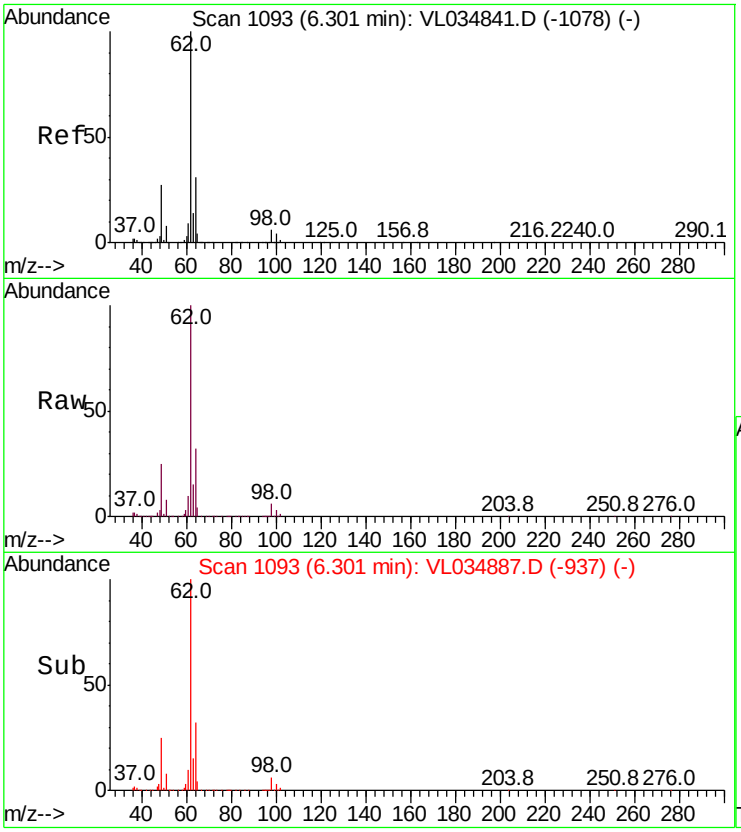


#36
Benzene
Concen: 10.505 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 78 Resp: 1963515

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.2
50	20.3	15.2	22.8



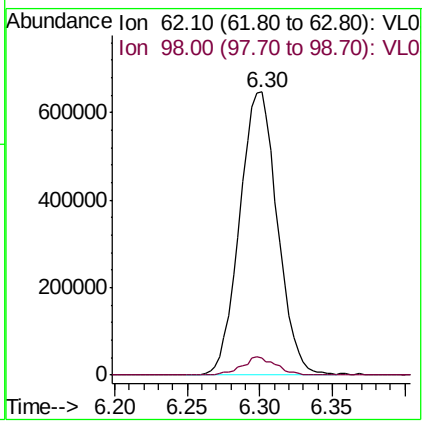


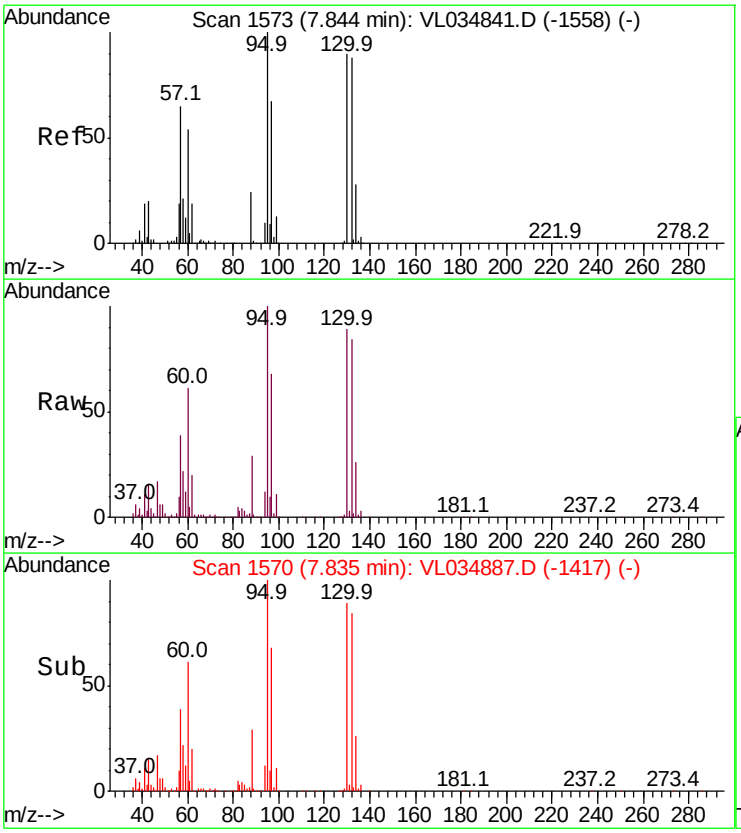
#37
1,2-Dichloroethane
Concen: 11.148 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1174895

Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.2	7.8

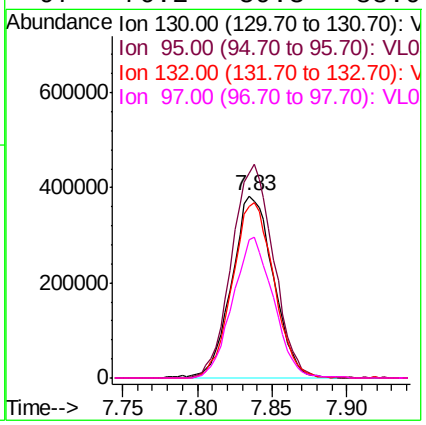


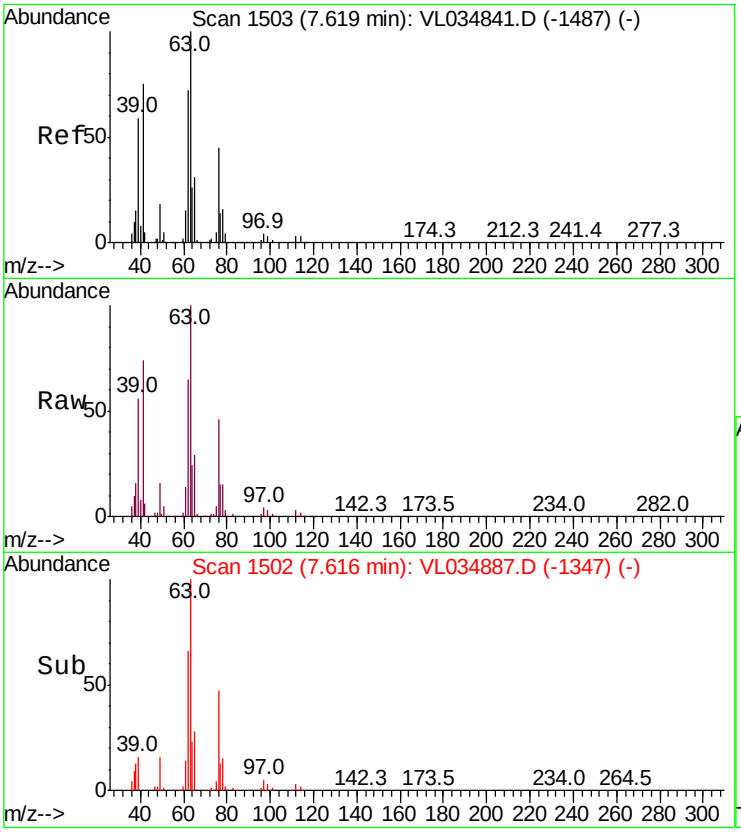


#38
Trichloroethene
Concen: 10.362 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:130 Resp: 735599

Ion	Ratio	Lower	Upper
130	100		
95	112.7	88.5	132.7
132	94.8	78.0	117.0
97	76.2	59.3	88.9



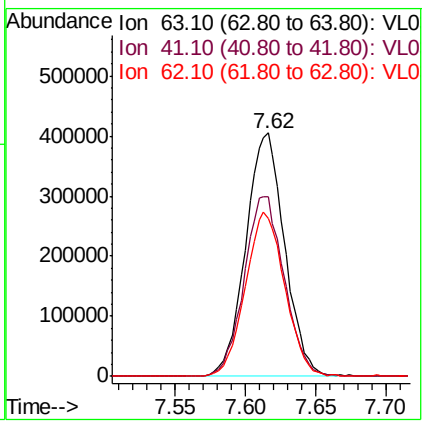


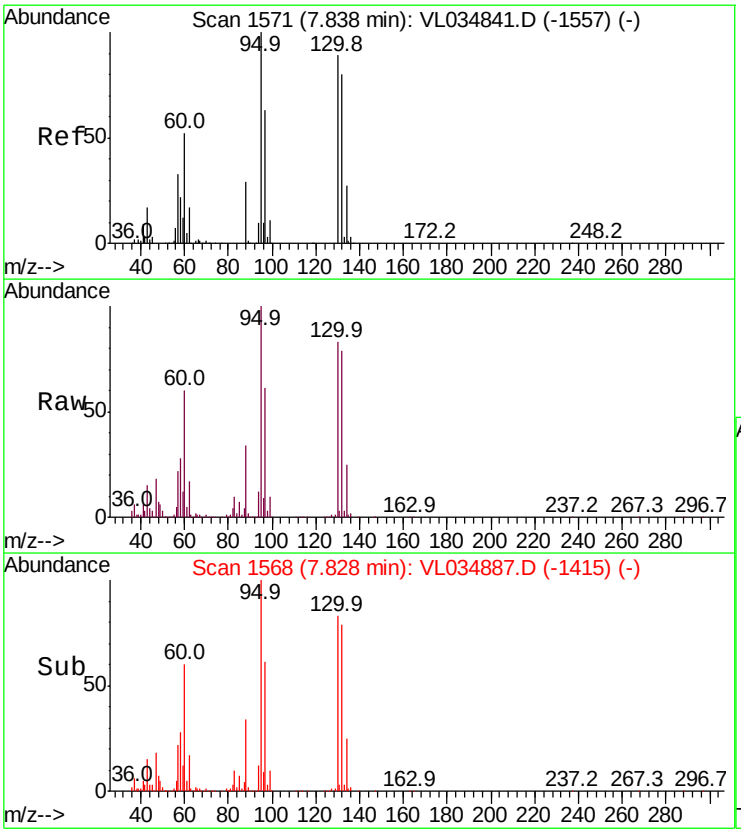
#39
1,2-Dichloropropane
Concen: 10.522 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 779218

Ion	Ratio	Lower	Upper
63	100		
41	74.0	59.8	89.8
62	65.0	57.6	86.4

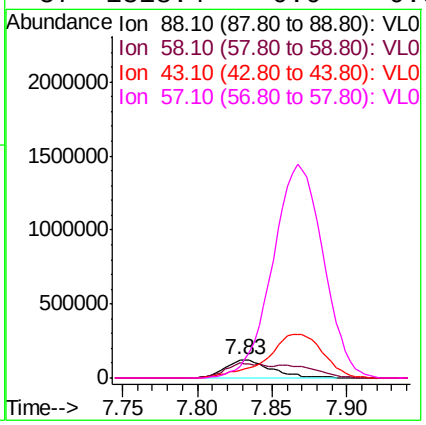


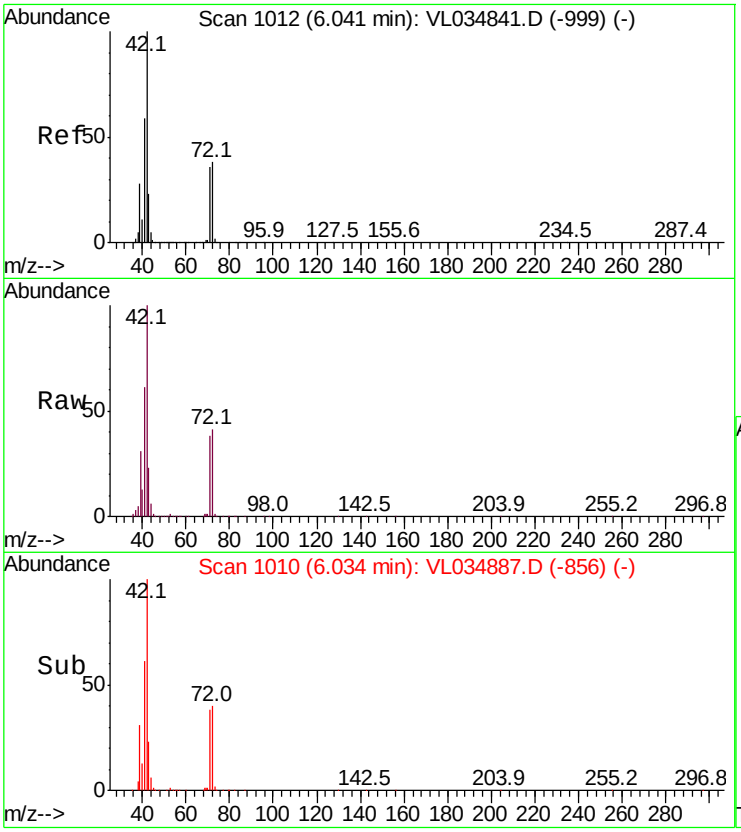


#40
1,4-Dioxane
Concen: 9.232 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 88 Resp: 258199

Ion	Ratio	Lower	Upper
88	100		
58	138.5	103.9	155.9
43	298.2	0.0	0.0#
57	1318.4	0.0	0.0#



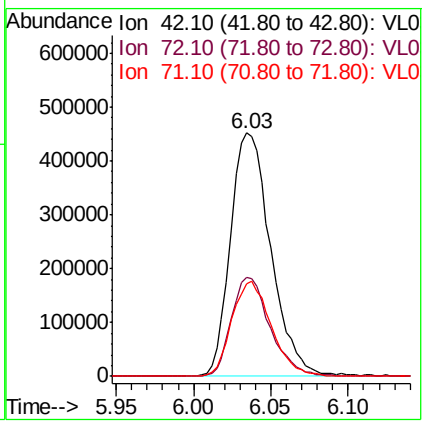


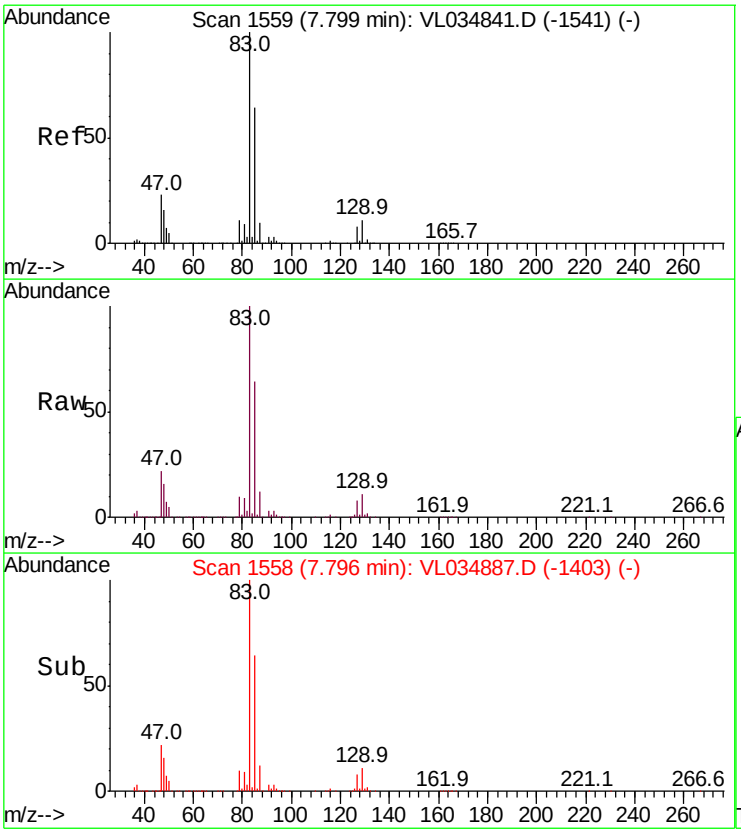
#41
Tetrahydrofuran
Concen: 10.838 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 817203

Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.8	46.2
71	38.4	30.1	45.1

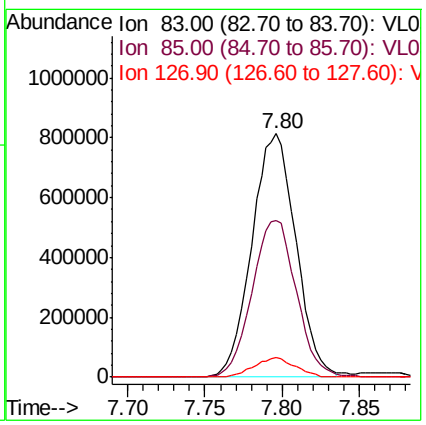


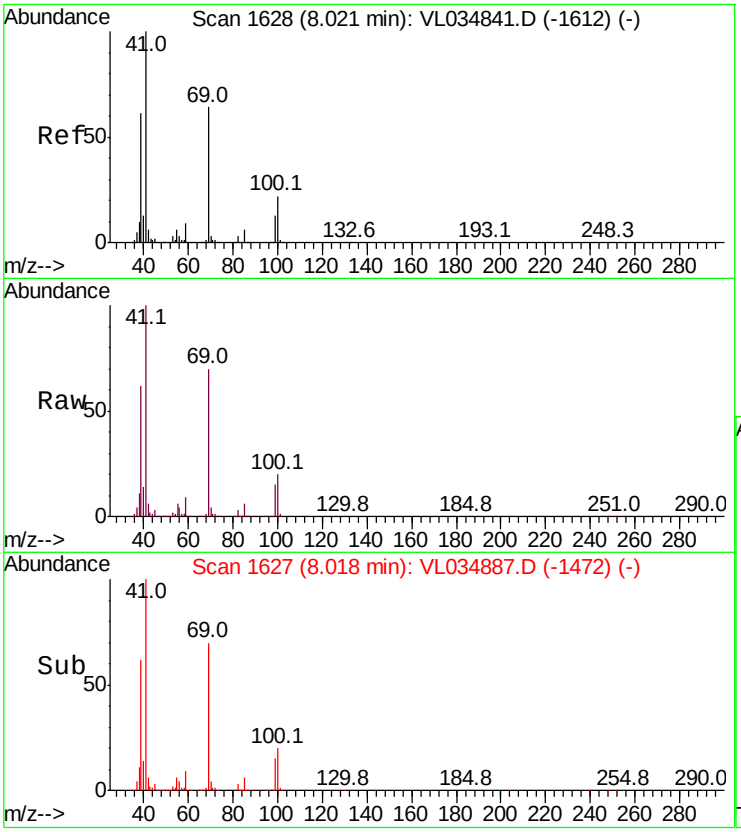


#42
Bromodichloromethane
Concen: 11.164 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 83 Resp: 1603556

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.1	6.2	9.4



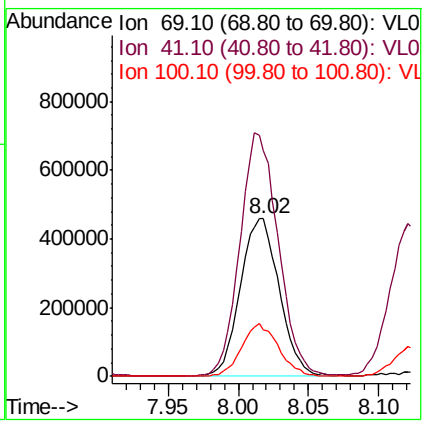


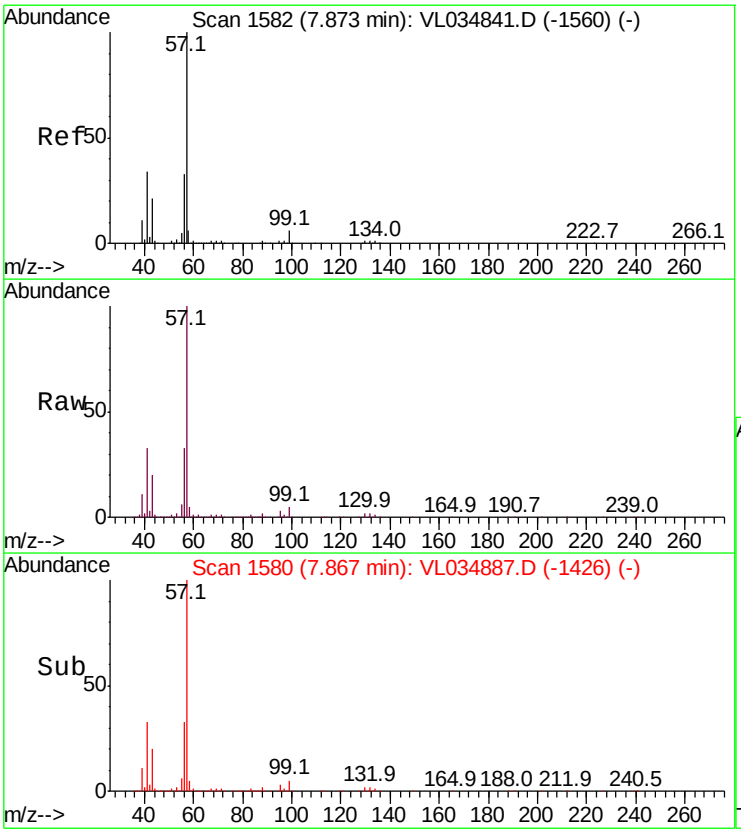
#43
Methyl Methacrylate
Concen: 11.295 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 889421

Ion	Ratio	Lower	Upper
69	100		
41	152.5	123.2	184.8
100	31.8	26.9	40.3

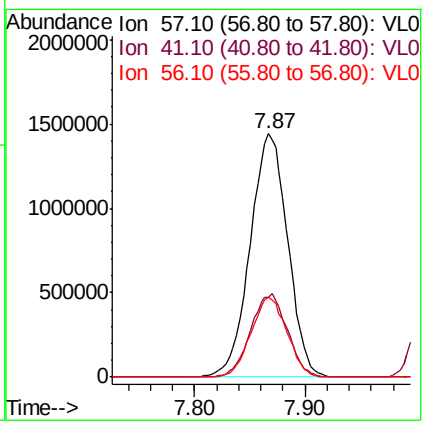


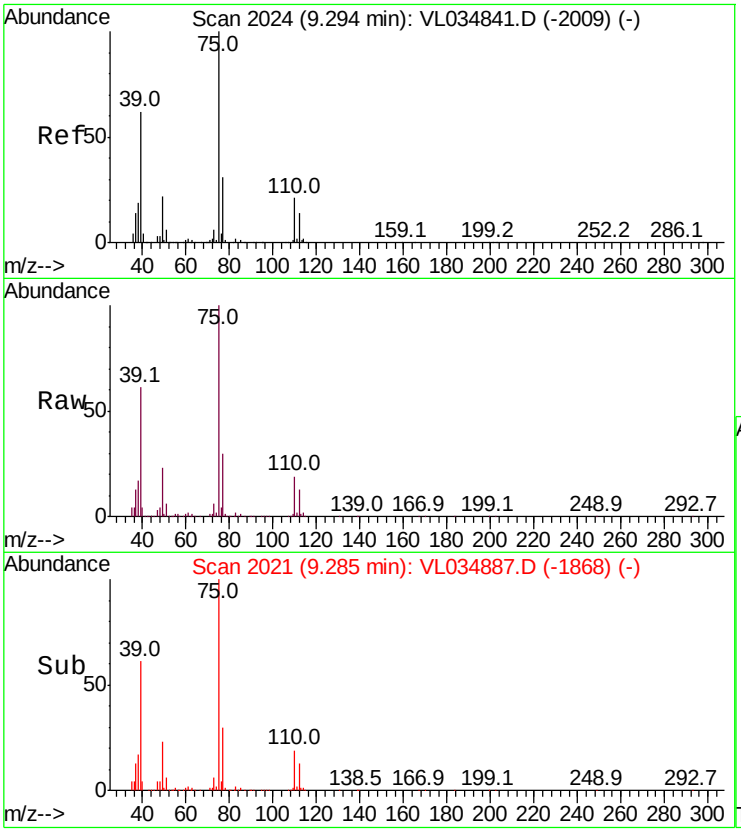


#44
2,2,4-Trimethylpentane
Concen: 10.766 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 57 Resp: 3400439

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.2	39.4
56	31.5	25.0	37.4



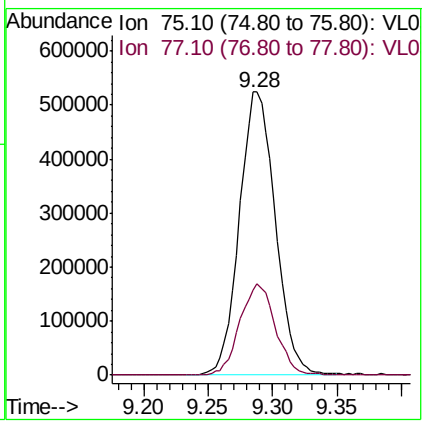


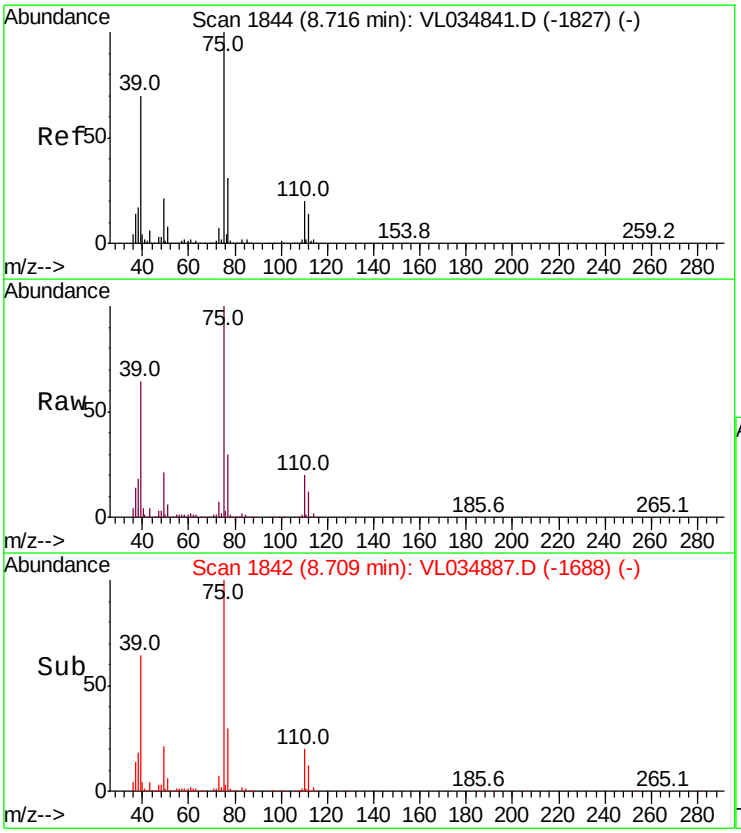
#45
t-1,3-Dichloropropene
Concen: 10.982 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1016052

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.6	37.0

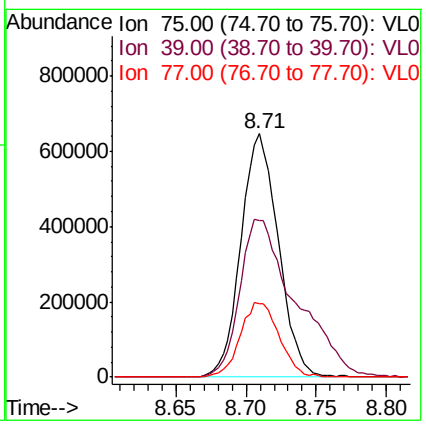


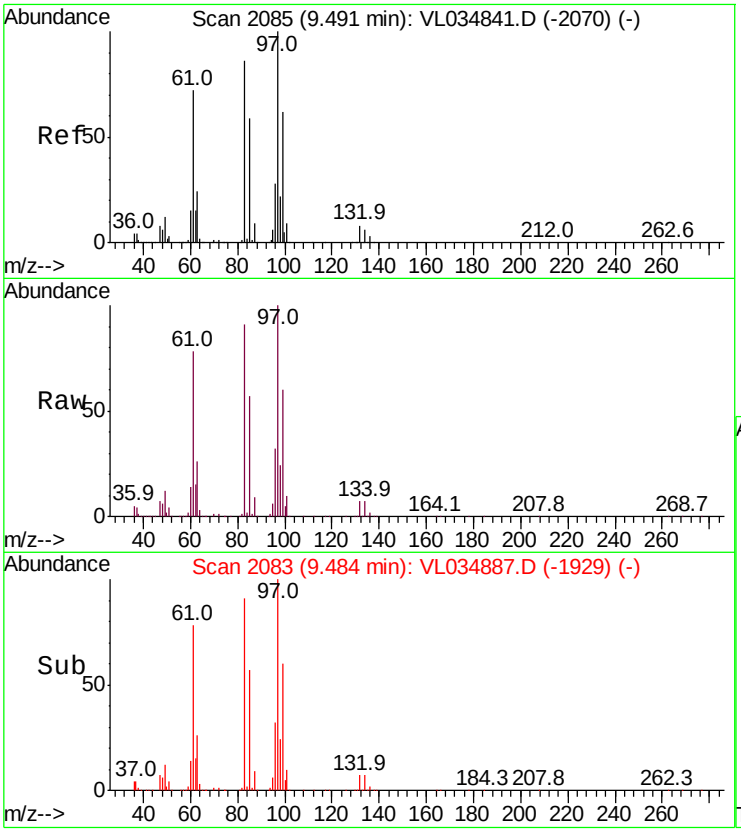


#46
cis-1,3-Dichloropropene
Concen: 10.974 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 75 Resp: 1206451

Ion	Ratio	Lower	Upper
75	100		
39	64.1	55.7	83.5
77	30.1	24.7	37.1



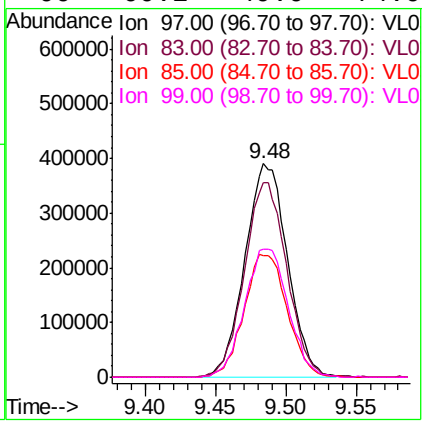


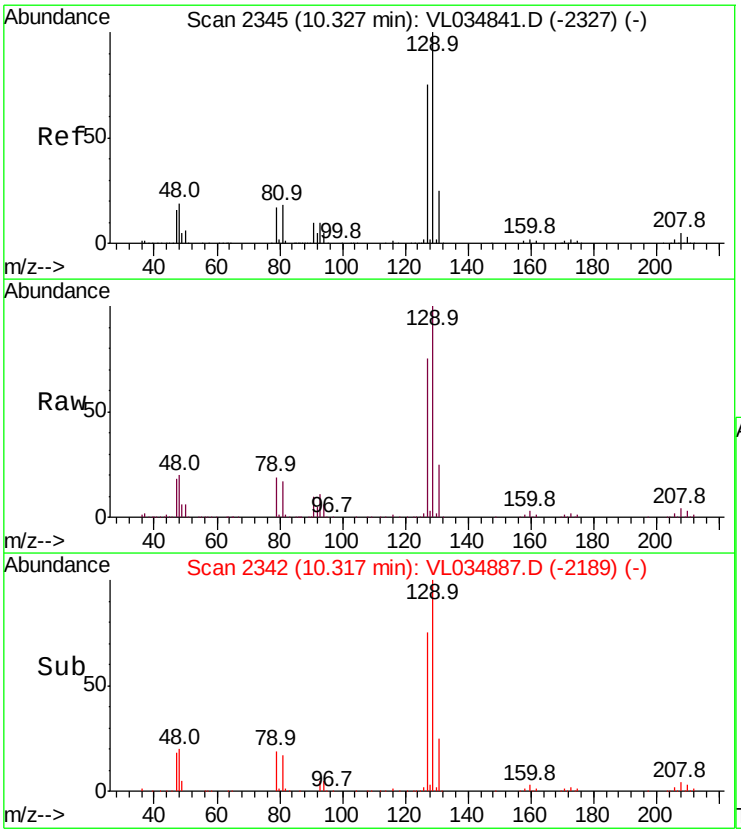
#47
1,1,2-Trichloroethane
Concen: 10.872 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 826279

Ion	Ratio	Lower	Upper
97	100		
83	91.1	68.6	102.8
85	57.1	46.9	70.3
99	60.2	49.9	74.9

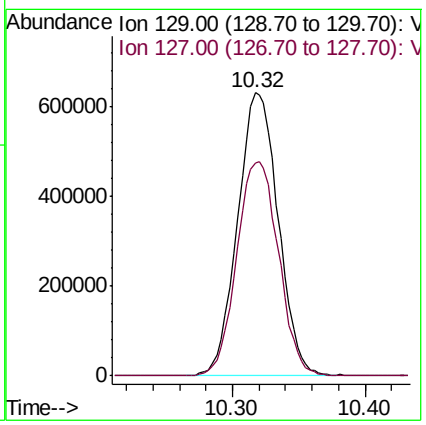


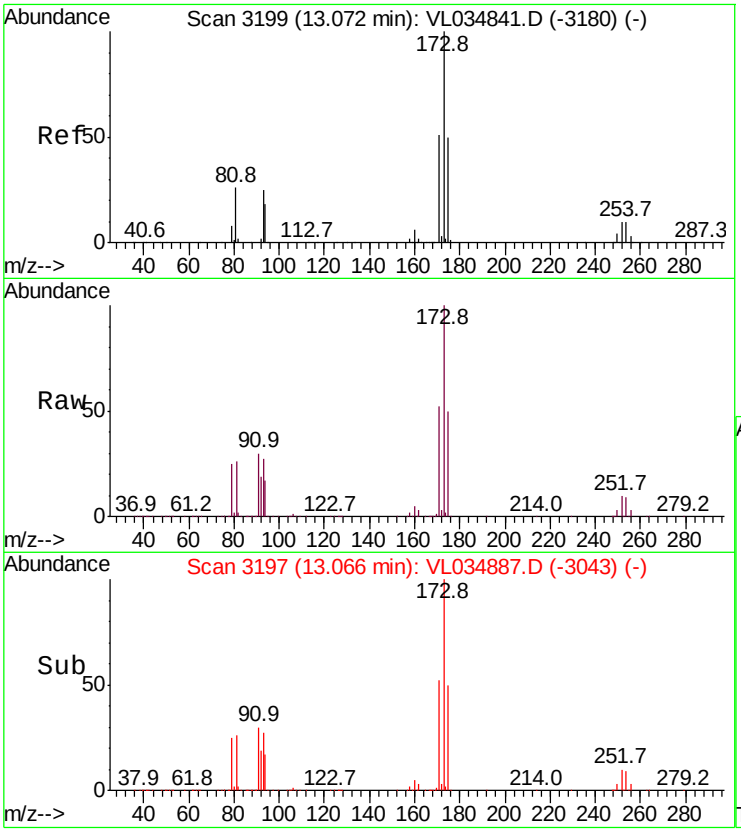


#48
Dibromochloromethane
Concen: 10.883 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:129 Resp: 1339491

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.6	118.7



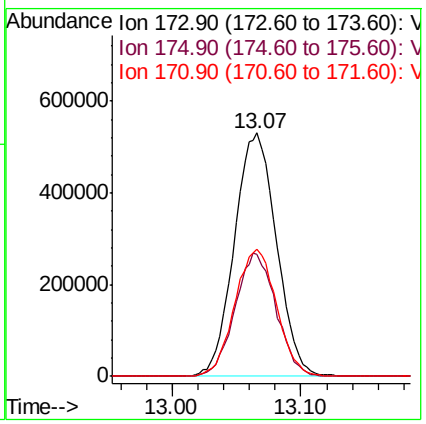


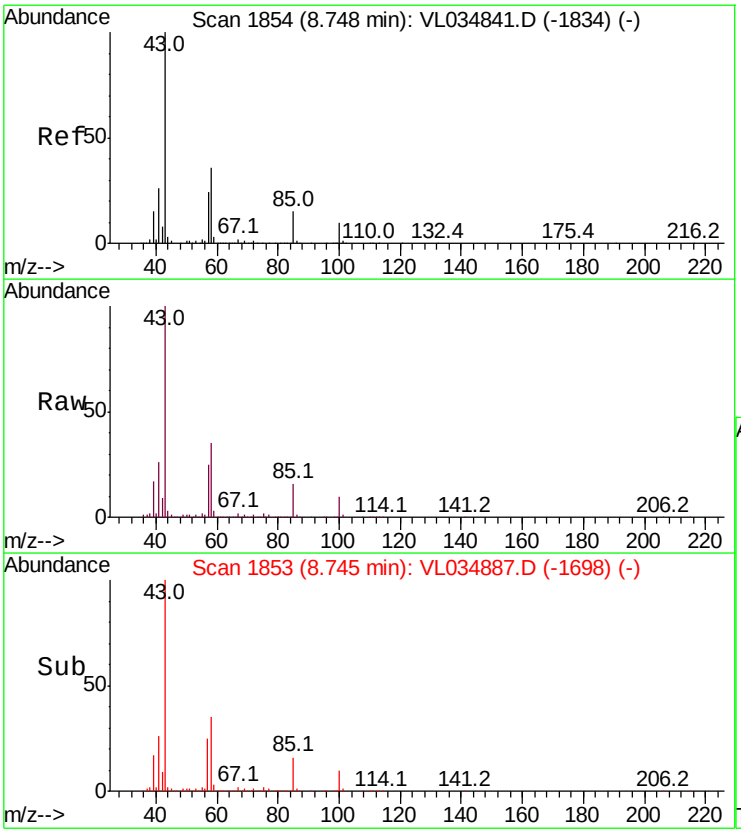
#49
Bromoform
Concen: 10.978 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1204745

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.6	59.4
171	52.1	41.0	61.6

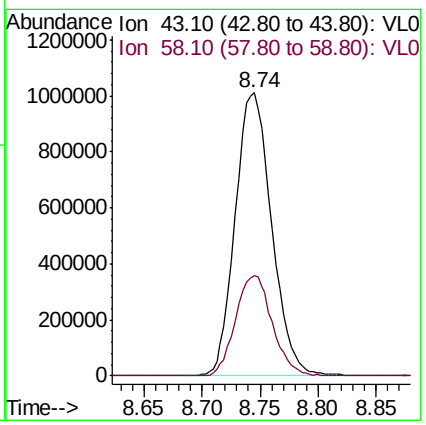


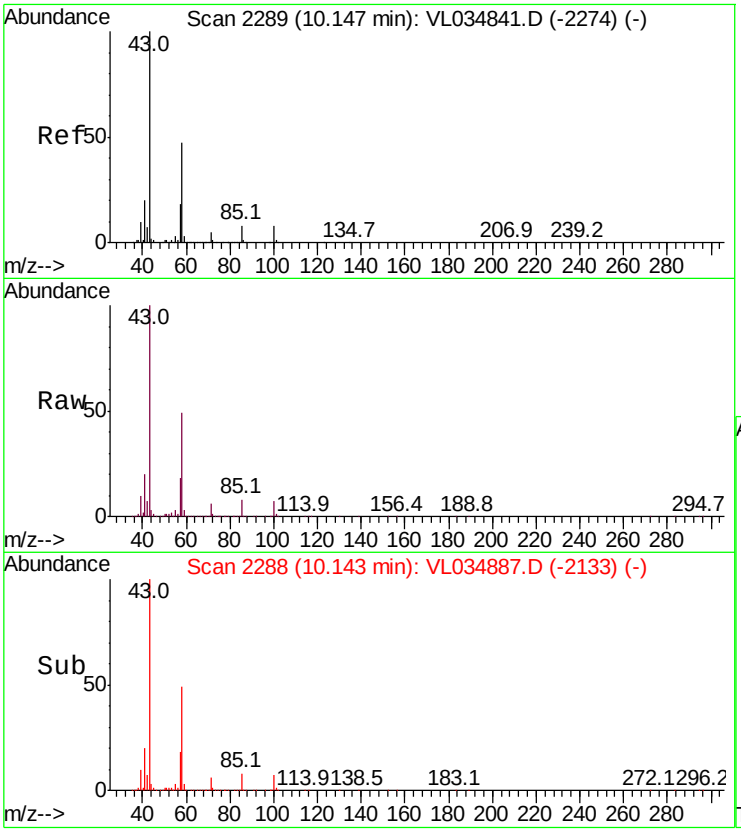


#50
4-Methyl-2-Pentanone
Concen: 11.021 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 43 Resp: 2210769

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8



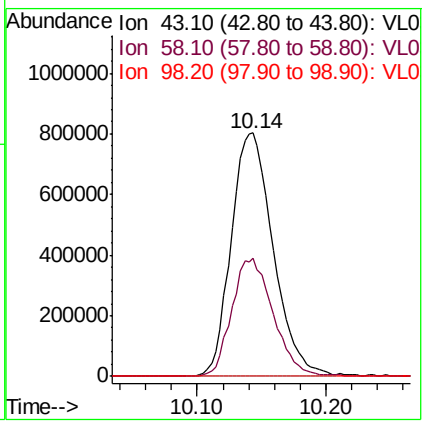


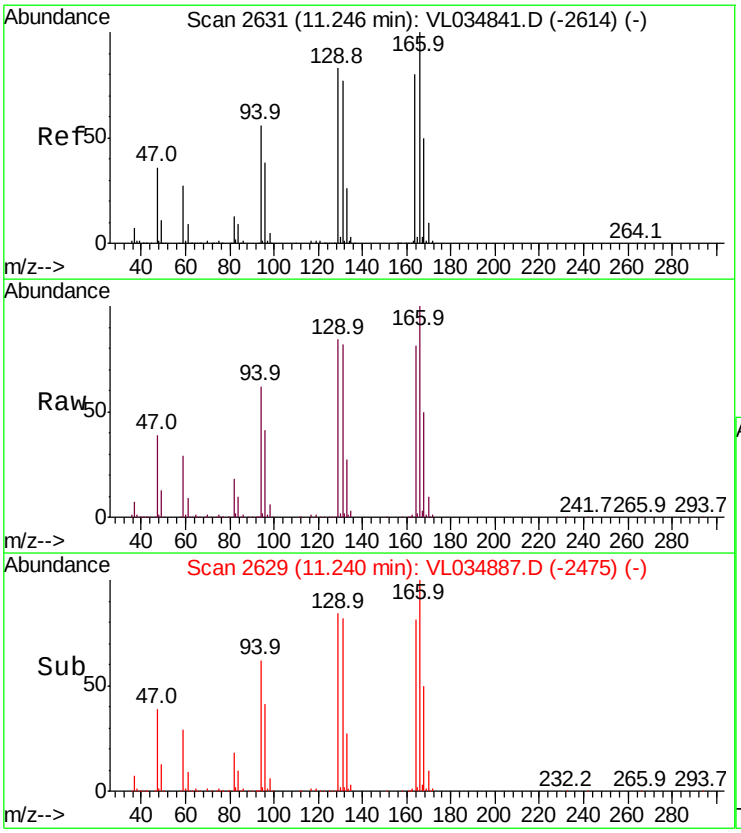
#51
2-Hexanone
Concen: 11.134 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1815190

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.6	58.0
98	0.3	0.1	0.1#

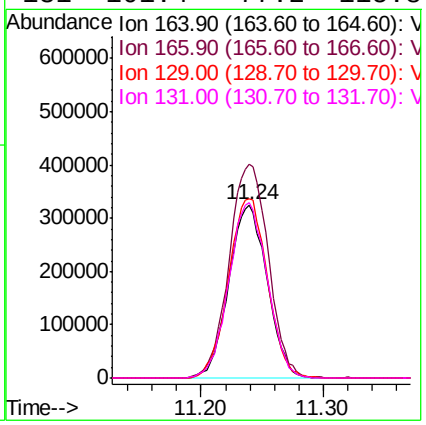


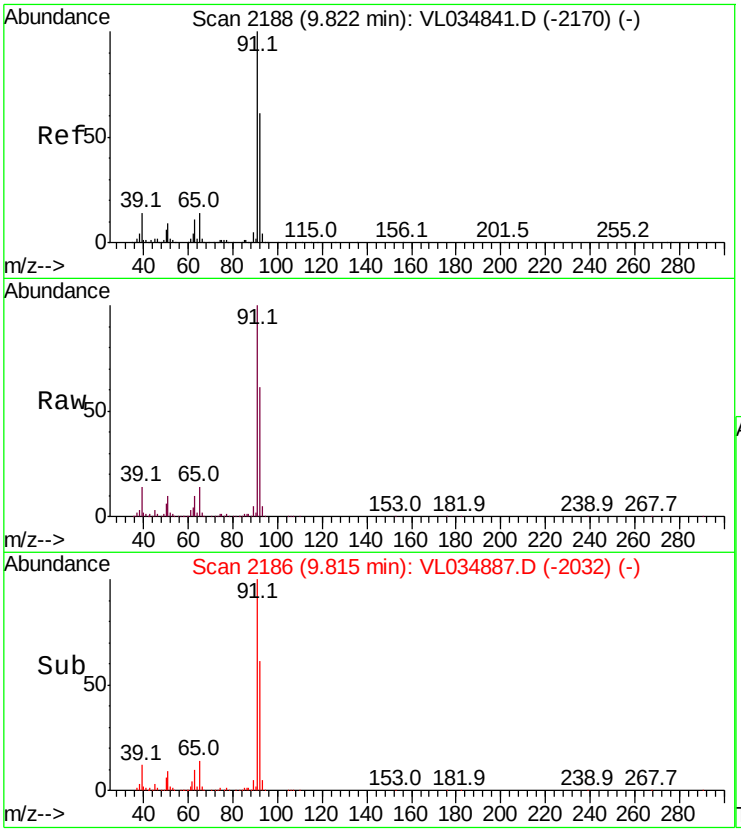


#52
Tetrachloroethene
Concen: 9.523 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:164 Resp: 704217

Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.0	150.0
129	103.7	83.1	124.7
131	101.4	77.2	115.8



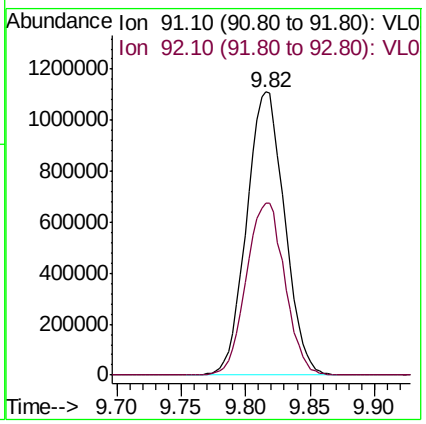


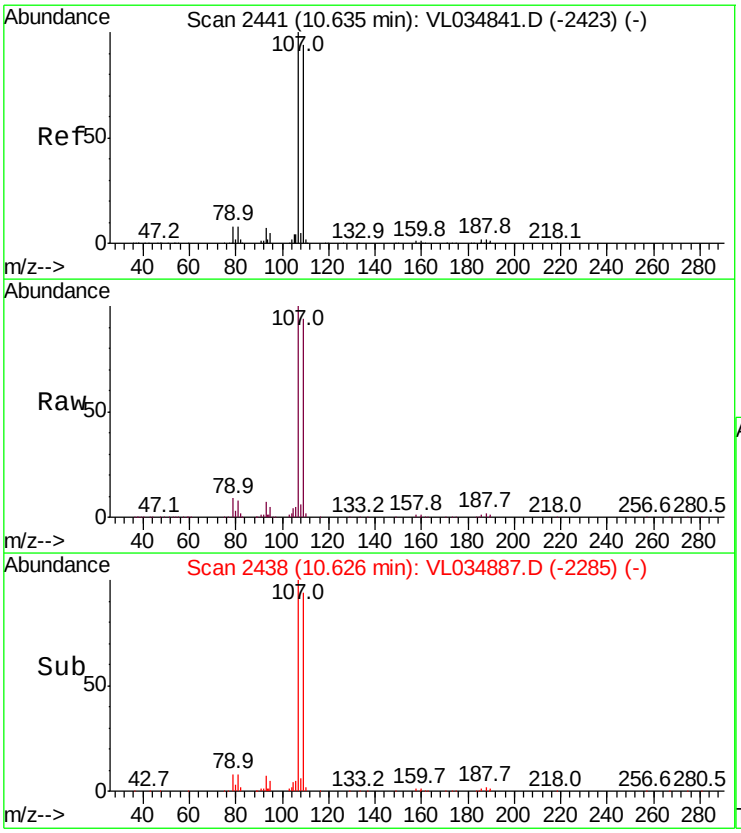
#53
Toluene
Concen: 10.603 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2288631

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.6	72.8

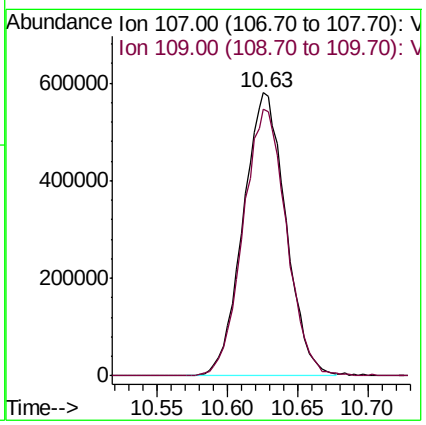


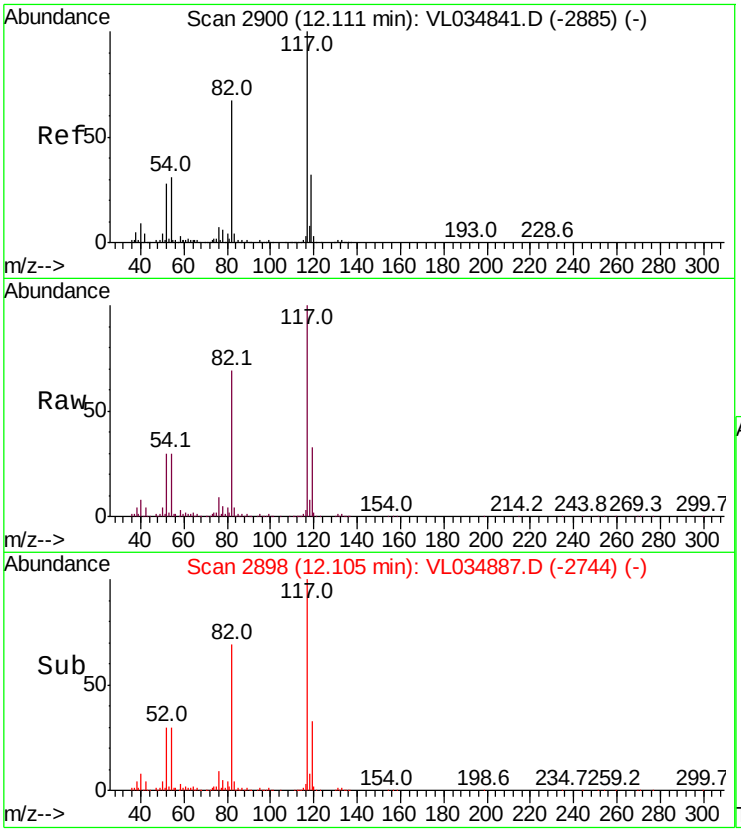


#54
1,2-Dibromoethane
Concen: 10.706 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:107 Resp: 1224735

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.9	112.3



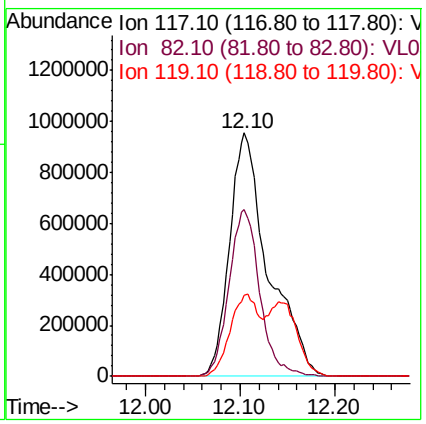


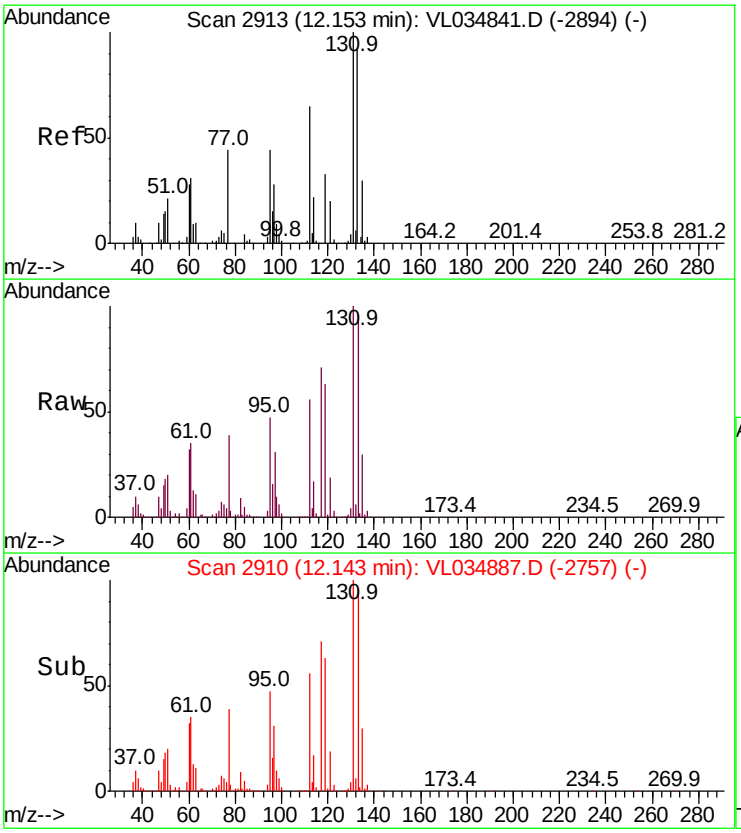
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2720672

Ion	Ratio	Lower	Upper
117	100		
82	54.5	51.1	76.7
119	26.8	27.3	40.9#

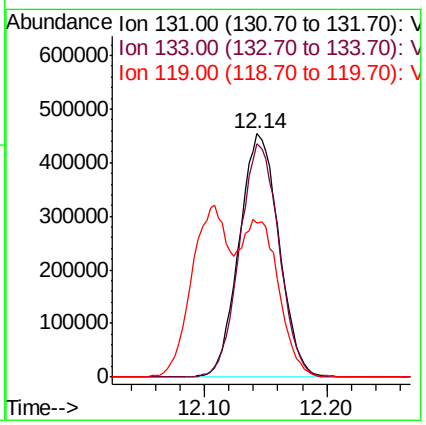


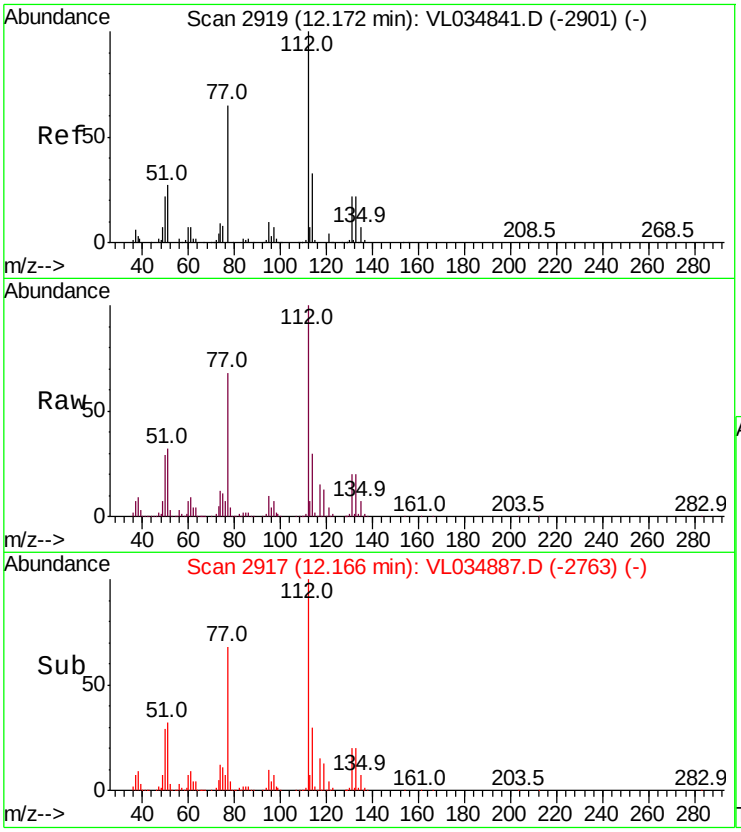


#56
1,1,1,2-Tetrachloroethane
Concen: 8.347 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:131 Resp: 1020076

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.0	114.0
119	66.8	47.8	71.8



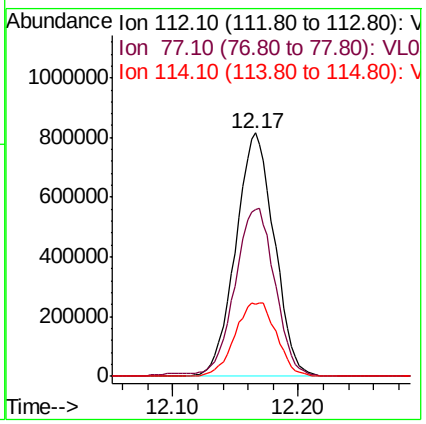


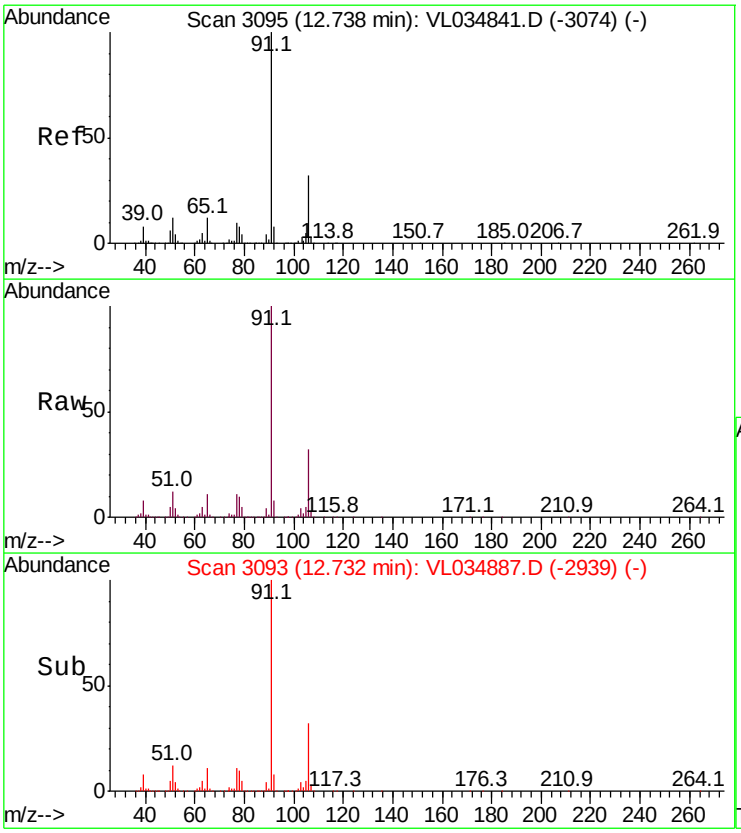
#57
Chlorobenzene
Concen: 8.176 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1740365

Ion	Ratio	Lower	Upper
112	100		
77	68.3	53.0	79.6
114	29.4	29.5	36.1#

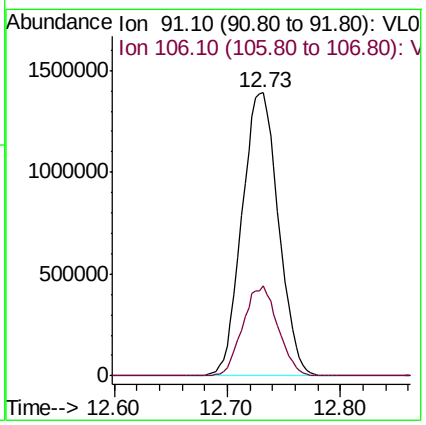


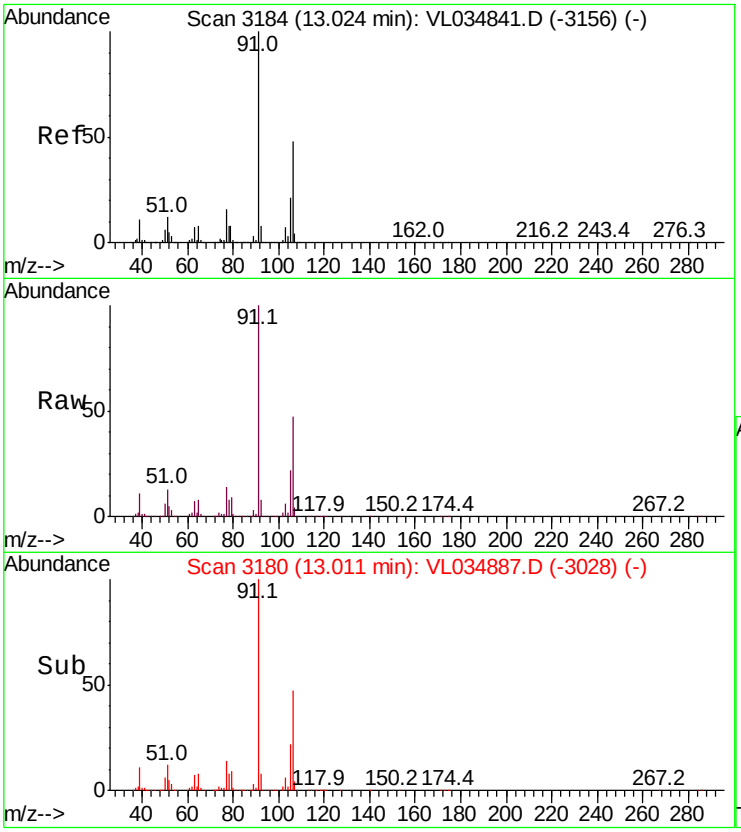


#58
Ethyl Benzene
Concen: 8.460 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 3117016

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.8	38.6



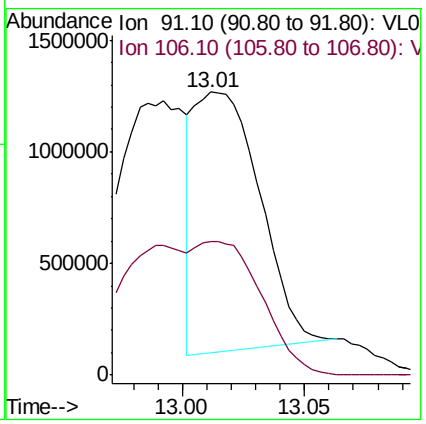


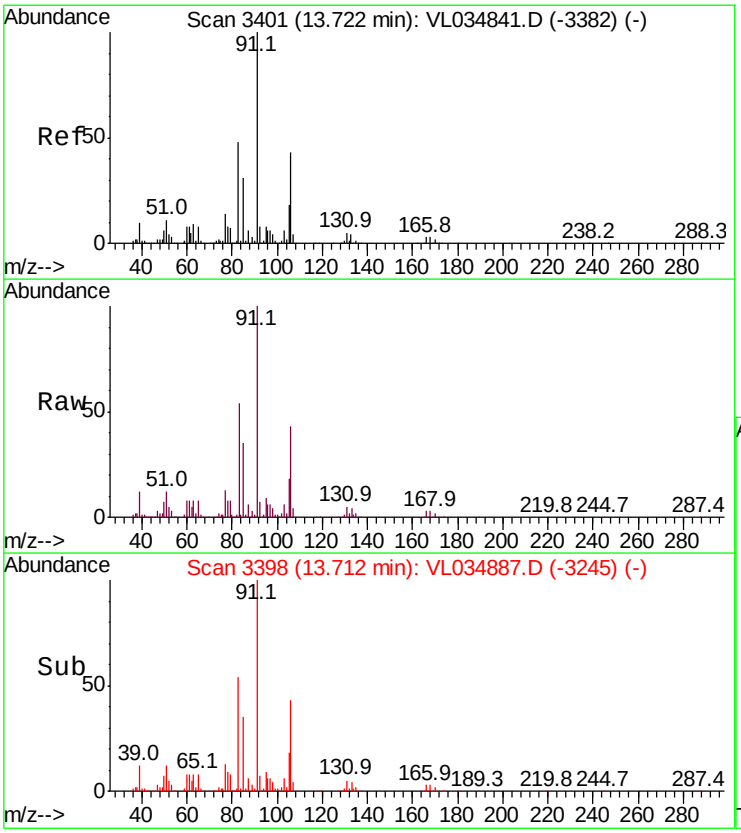
#59
m/p-Xylene
Concen: 6.983 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2155595

Ion	Ratio	Lower	Upper
91	100		
106	108.7	37.1	55.7#

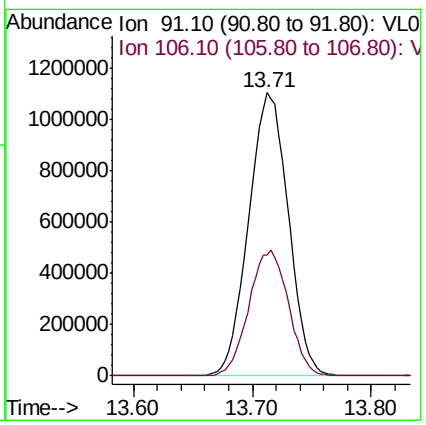


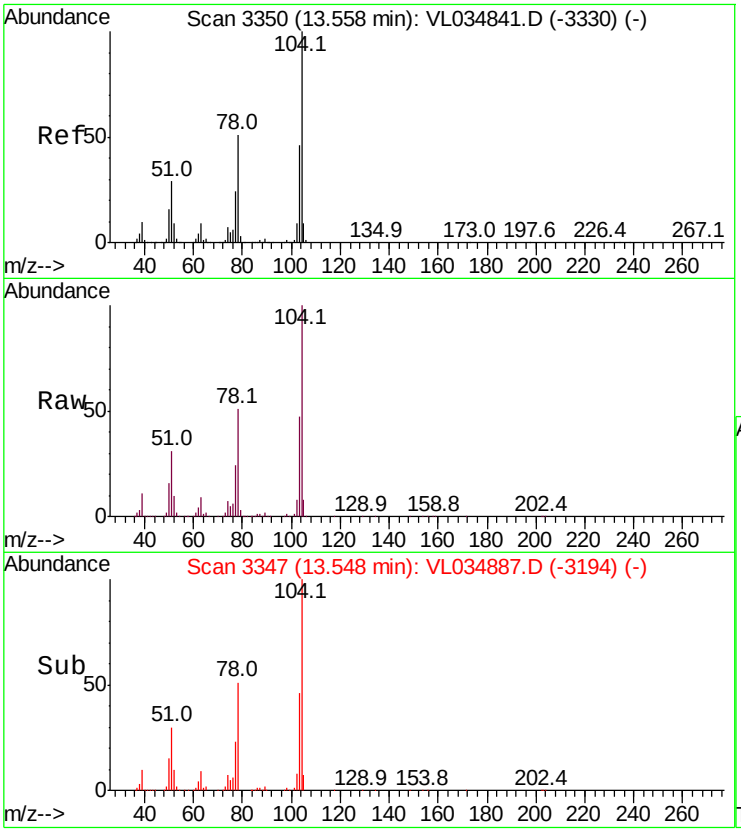


#60
o-Xylene
Concen: 8.456 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 2548584

Ion	Ratio	Lower	Upper
91	100		
106	44.3	22.5	67.5



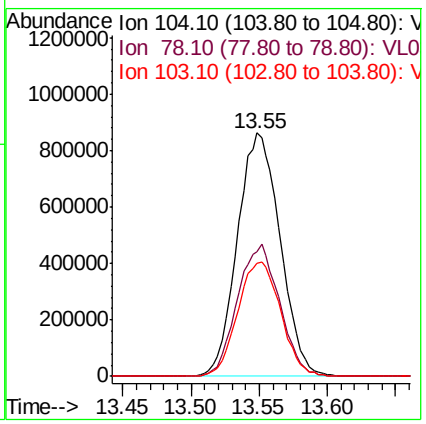


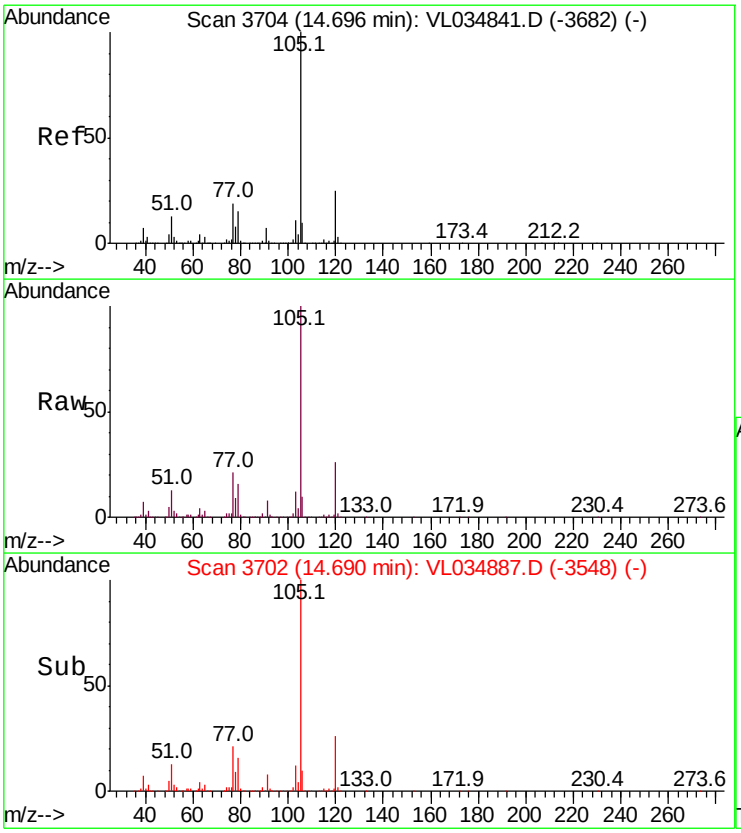
#61
Stvrene
Concen: 8.867 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1875467

Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.8	62.6
103	47.3	37.8	56.6

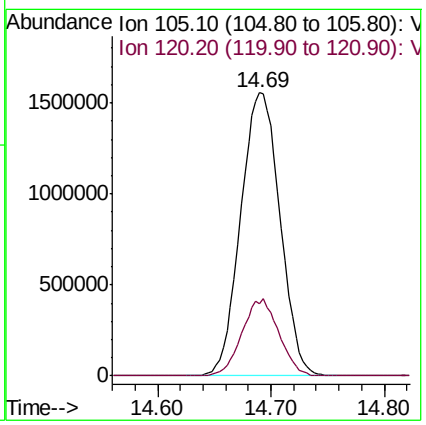


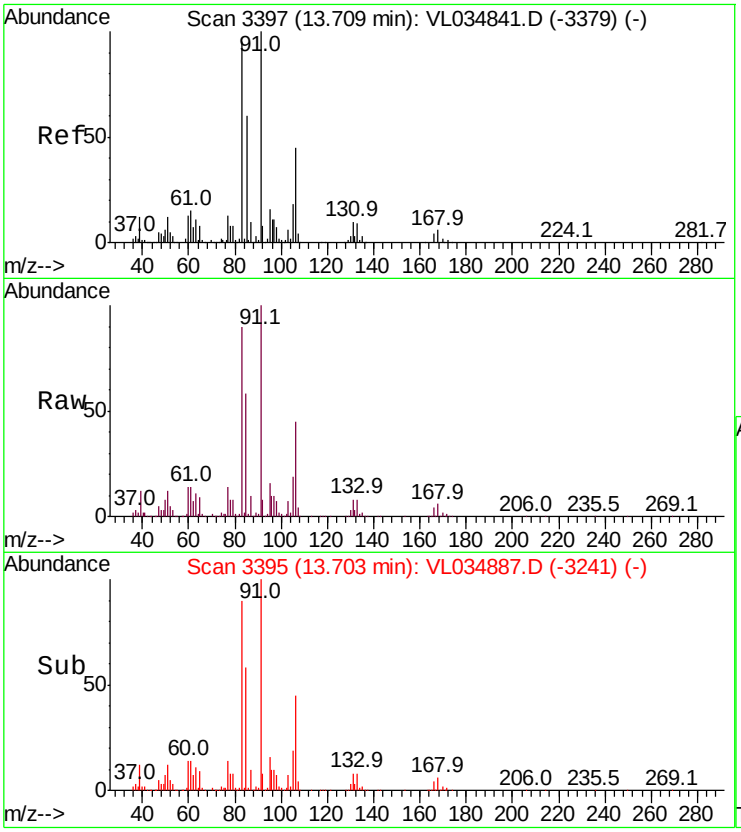


#62
Isopropylbenzene
Concen: 8.240 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 3755152

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.4



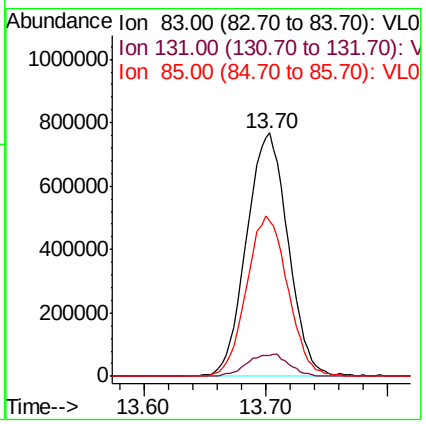


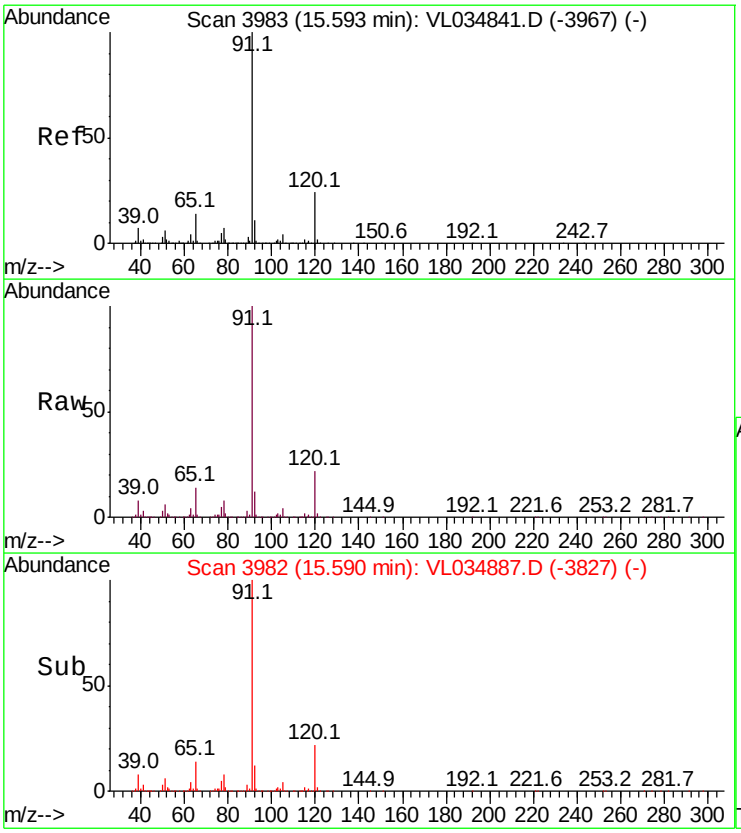
#63
1,1,2,2-Tetrachloroethane
Concen: 8.825 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1805631

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	65.8	32.4	97.2

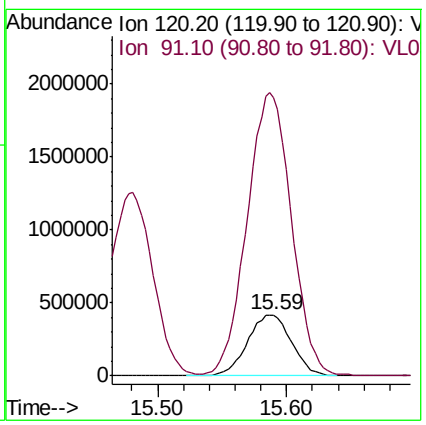


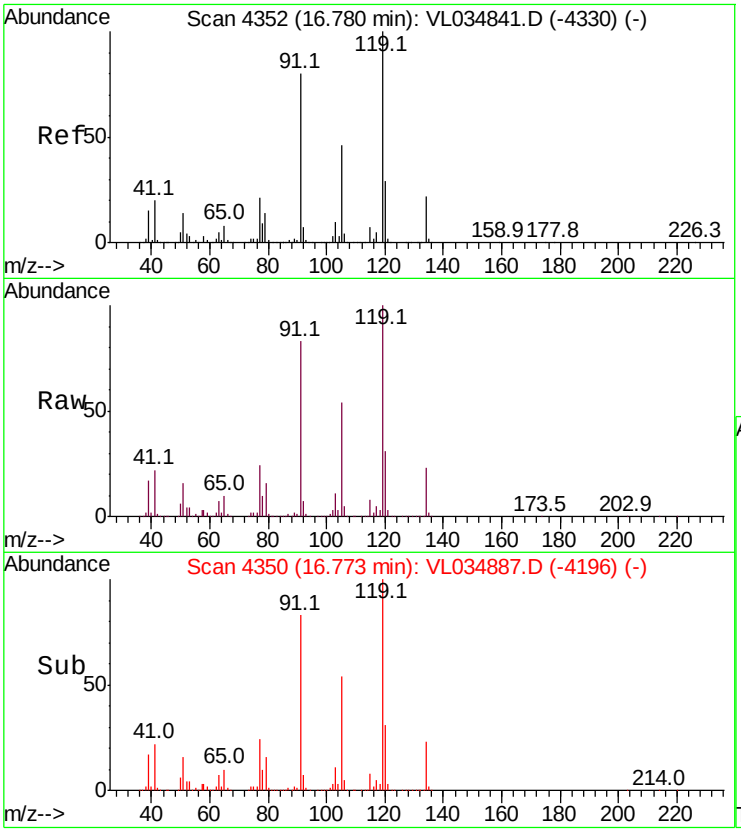


#64
n-propylbenzene
Concen: 8.375 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:120 Resp: 993344

Ion	Ratio	Lower	Upper
120	100		
91	468.3	360.9	541.3



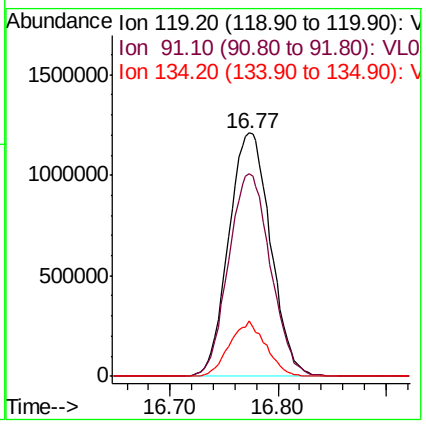


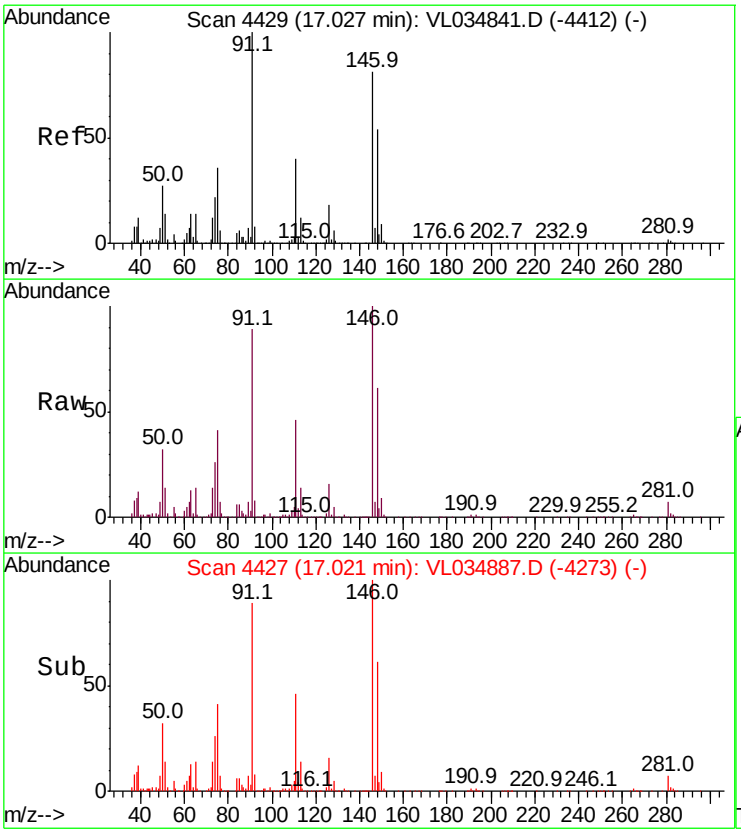
#65
tert-Butylbenzene
Concen: 8.192 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3263319

Ion	Ratio	Lower	Upper
119	100		
91	83.8	64.9	97.3
134	19.8	15.9	23.9

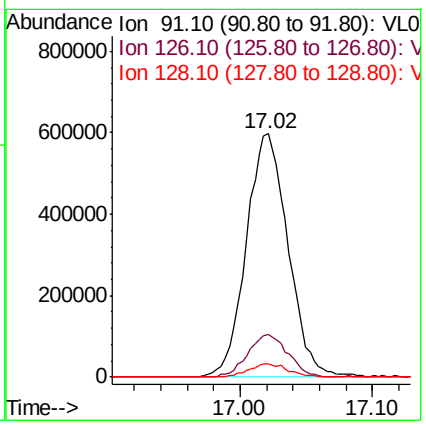


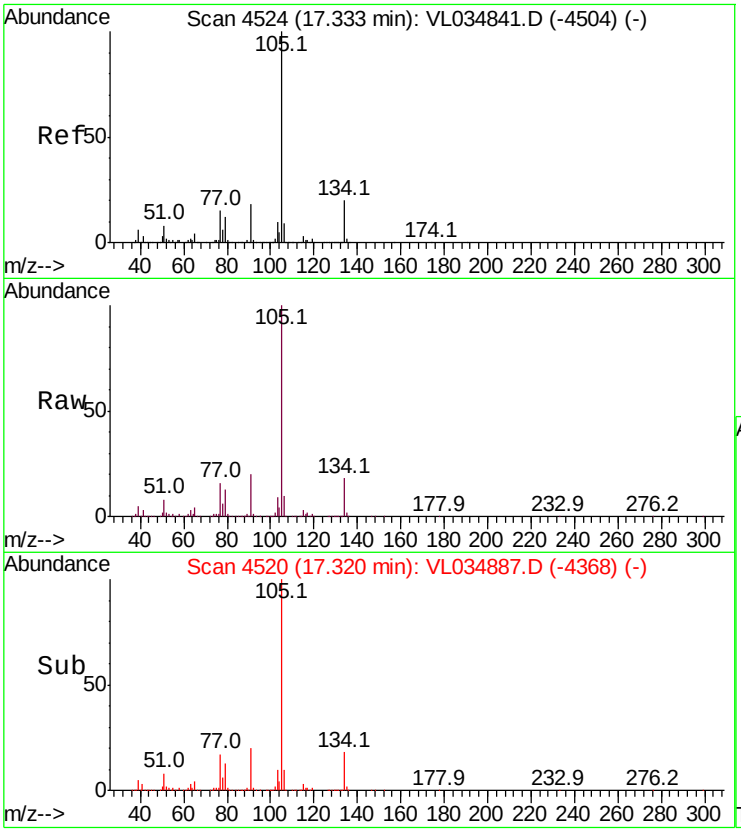


#66
Benzyl Chloride
Concen: 7.816 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 1298293

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.7	22.1
128	5.2	4.7	7.1



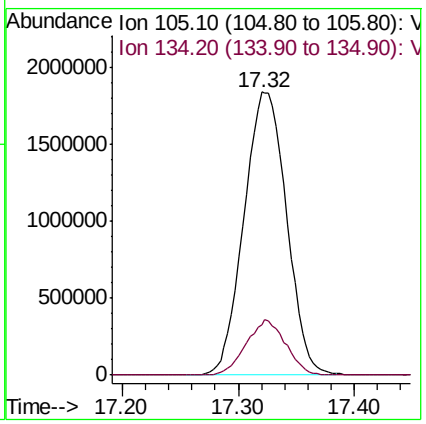


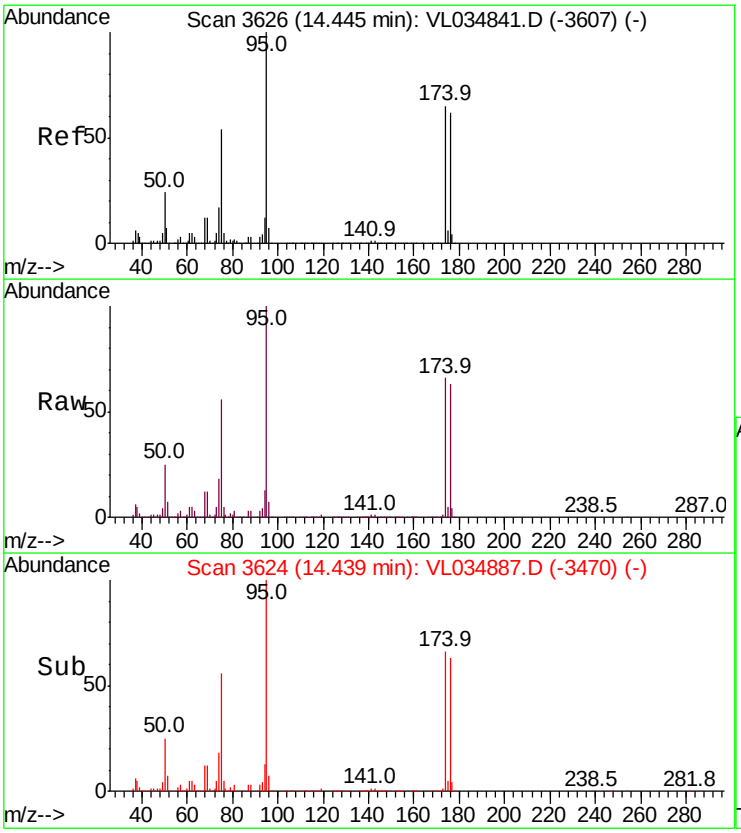
#67
sec-Butylbenzene
Concen: 8.515 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4703573

Ion	Ratio	Lower	Upper
105	100		
134	18.3	15.0	22.6

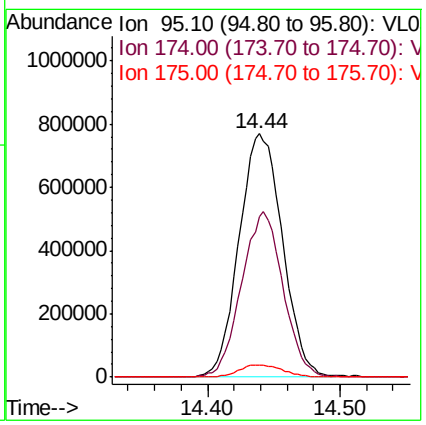


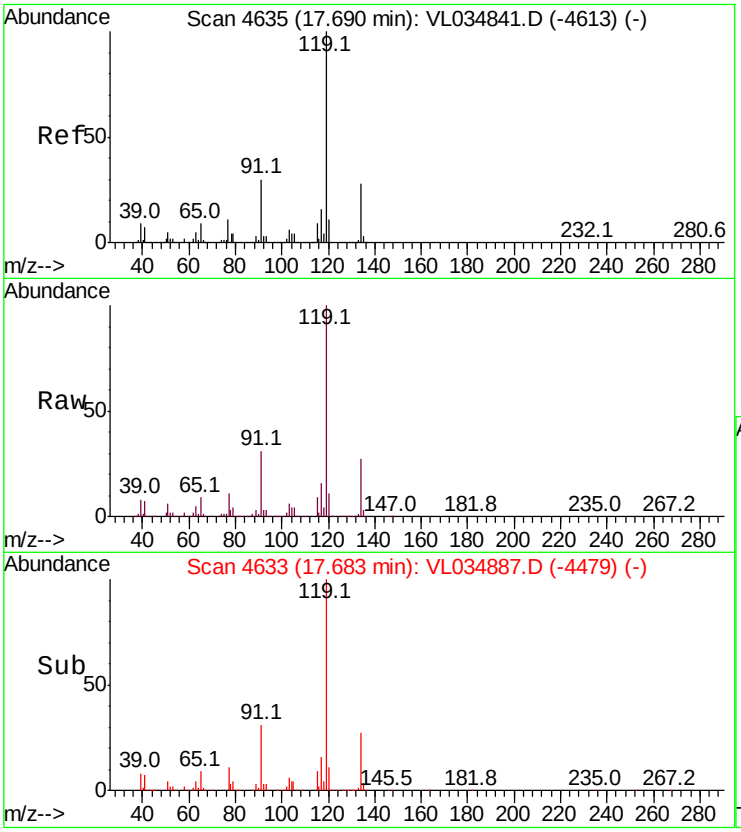


#68
1-Bromo-4-Fluorobenzene
Concen: 8.236 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 95 Resp: 1747529

Ion	Ratio	Lower	Upper
95	100		
174	65.4	55.2	82.8
175	5.0	4.3	6.5



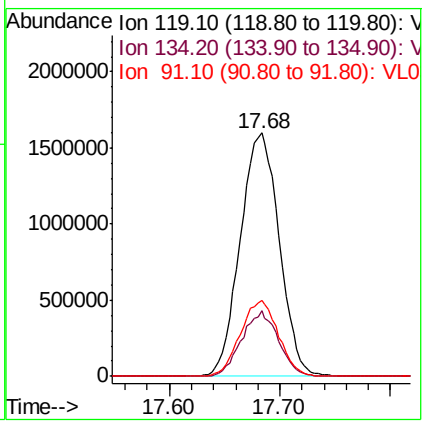


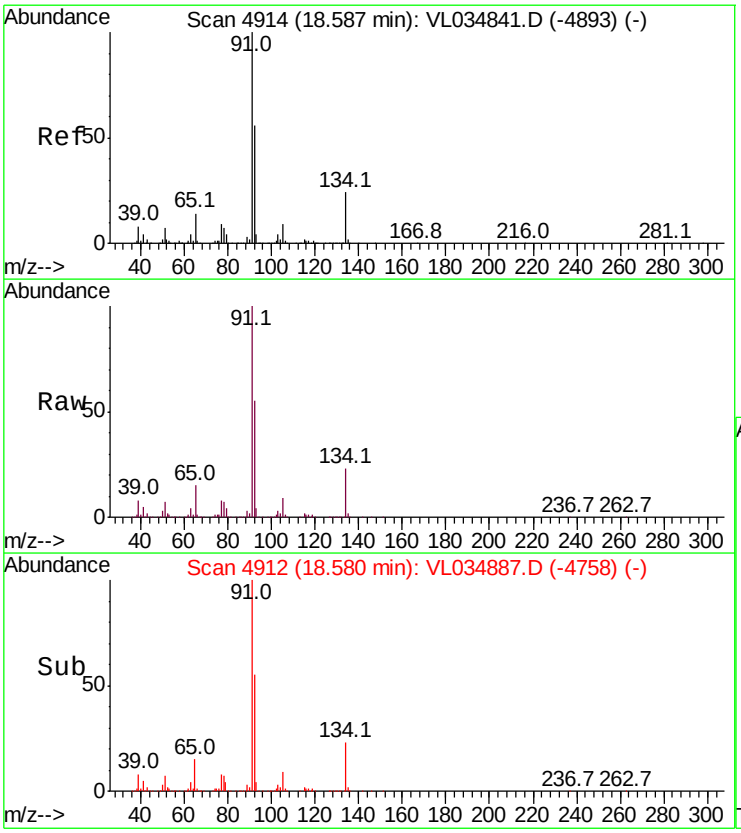
#69
p-Isopropyltoluene
Concen: 8.450 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3913954

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	30.7	23.4	35.2

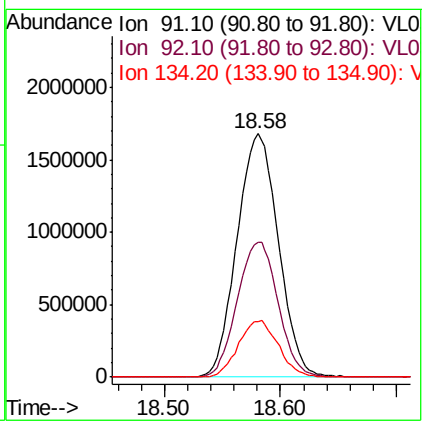


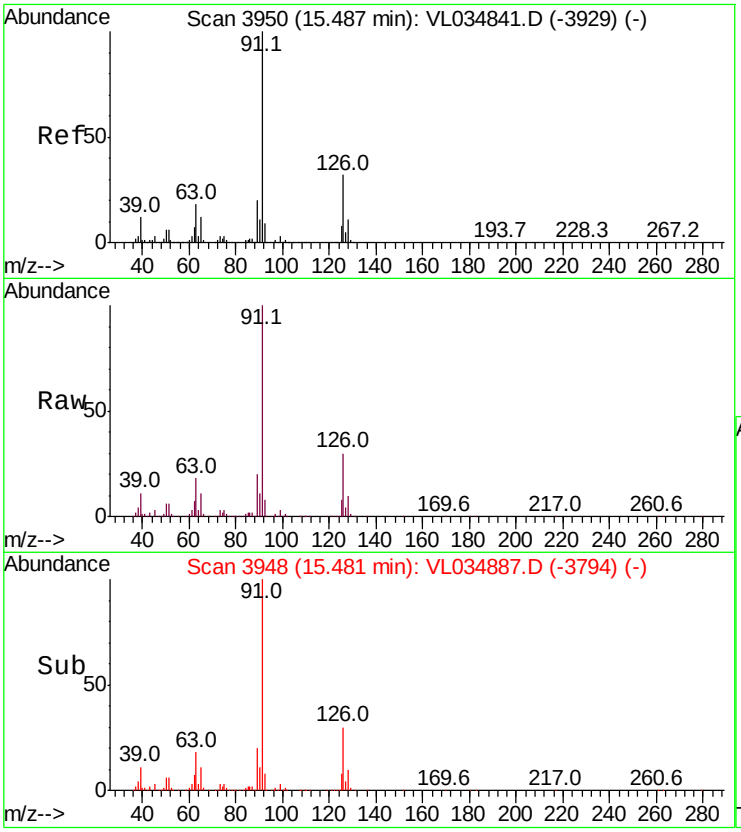


#70
n-Butylbenzene
Concen: 8.791 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 4154473

Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.6
134	22.5	19.0	28.4



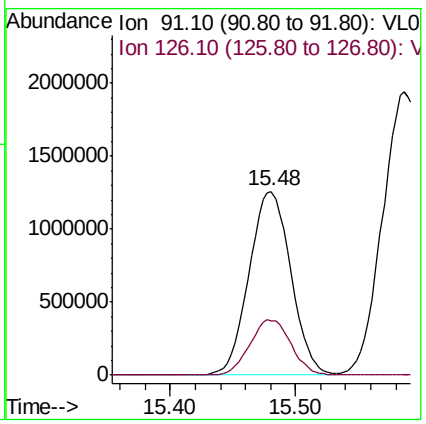


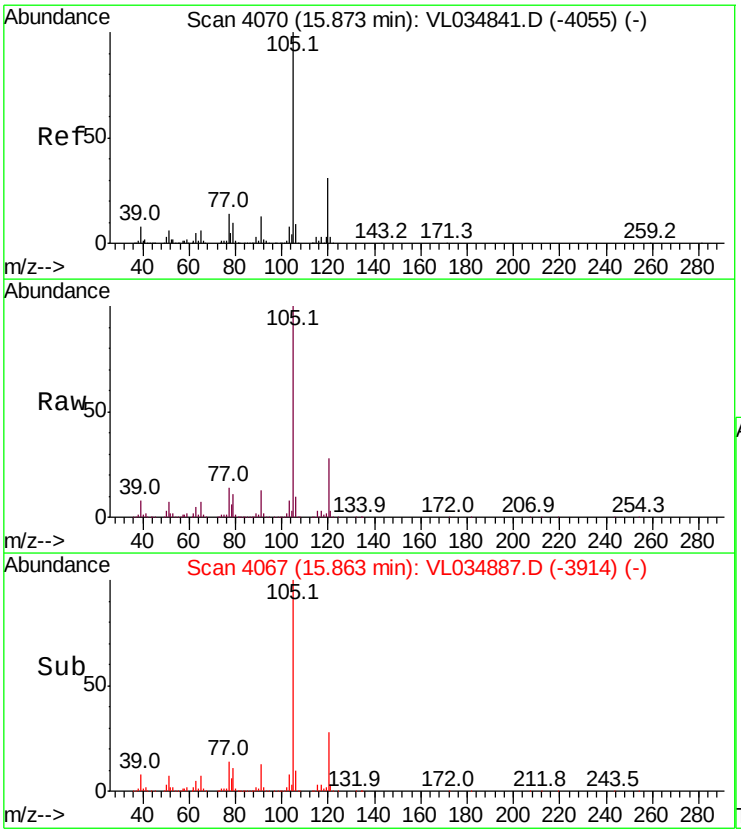
#71
2-Chlorotoluene
Concen: 8.472 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2923779

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.3	49.1

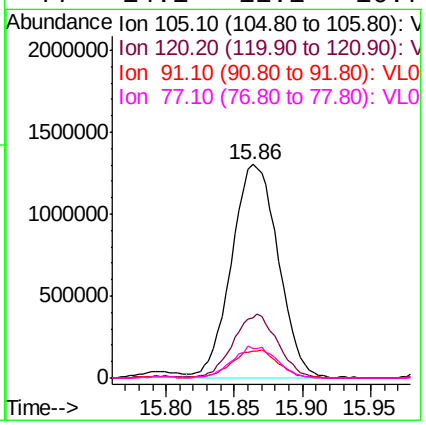


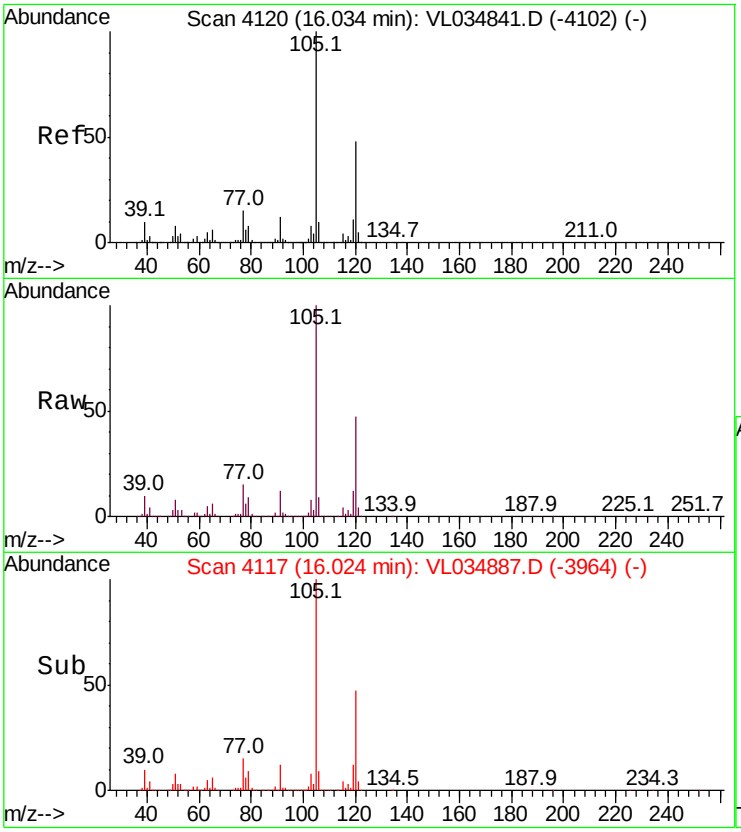


#72
4-Ethyltoluene
Concen: 8.670 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 3085808

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.7	35.5
91	12.9	10.5	15.7
77	14.1	11.1	16.7



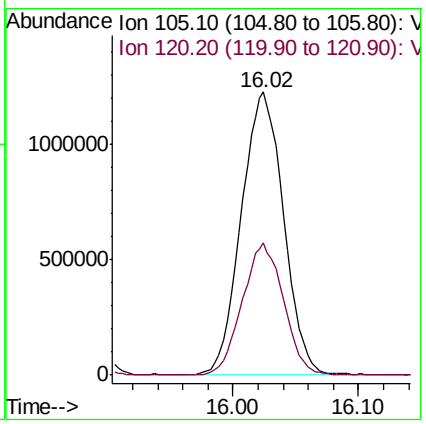


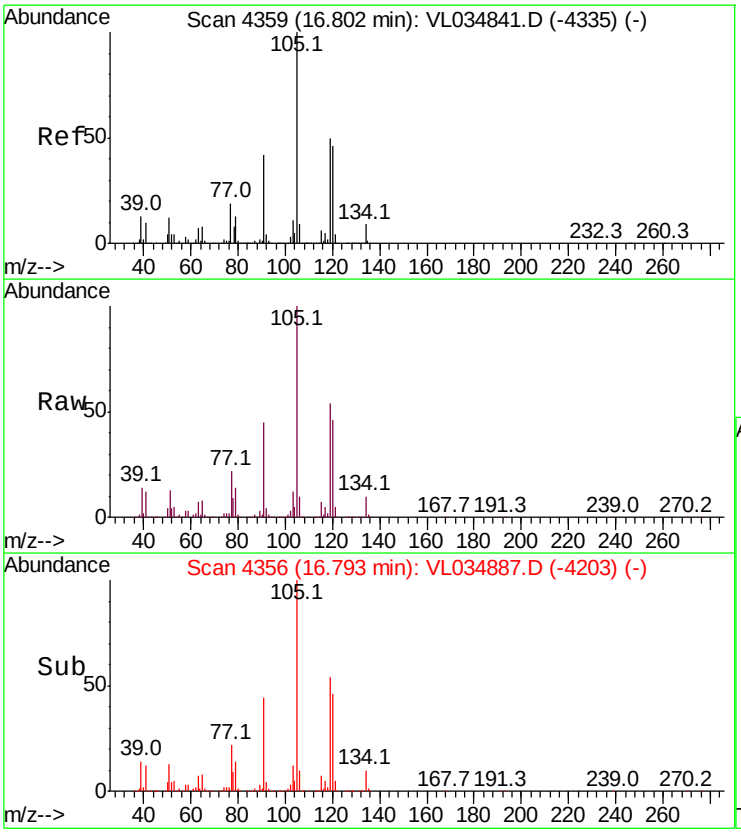
#73
1,3,5-Trimethylbenzene
Concen: 8.583 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 2859596

Ion	Ratio	Lower	Upper
105	100		
120	46.8	38.6	58.0

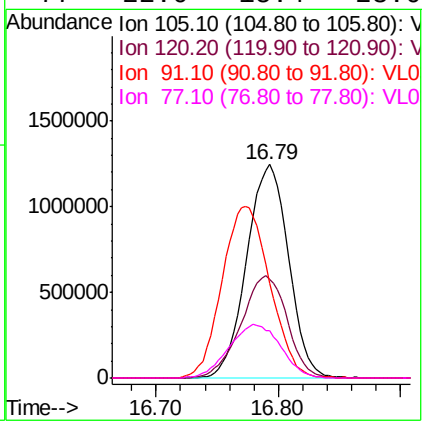


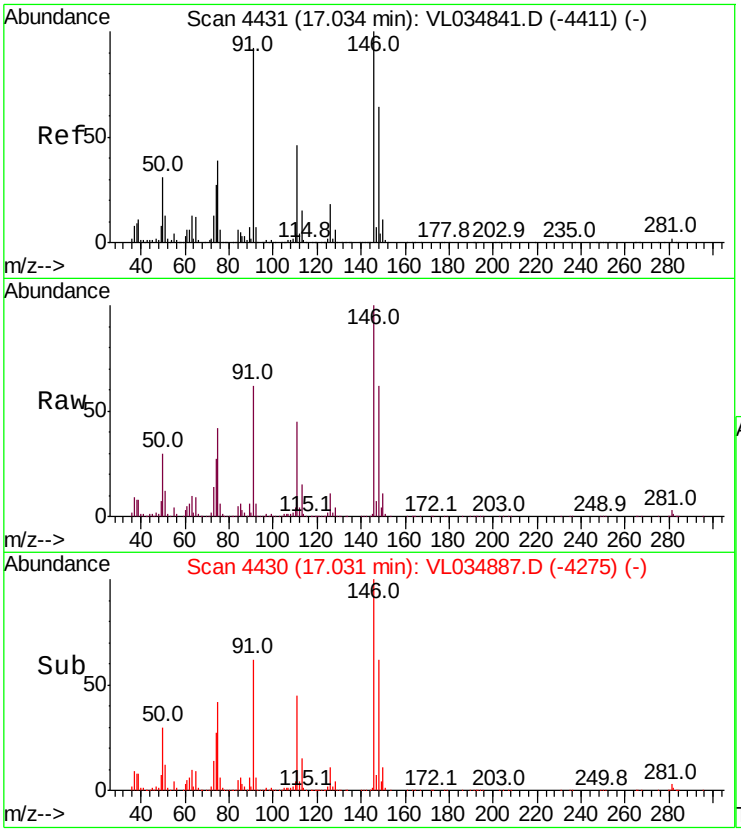


#74
1,2,4-Trimethylbenzene
Concen: 8.624 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 2960233

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.0	55.4
91	44.2	33.8	50.6
77	22.0	15.4	23.0



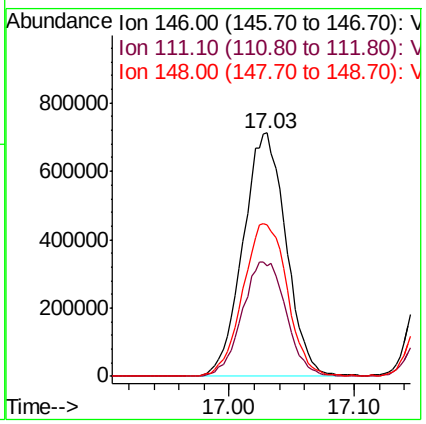


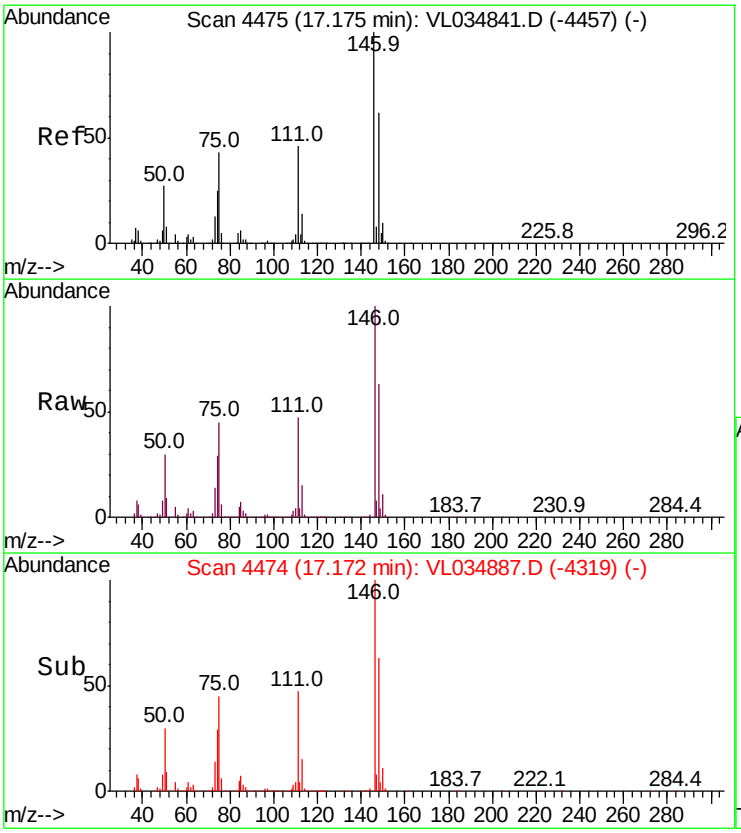
#75
1,3-Dichlorobenzene
Concen: 8.188 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1694834

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.9	71.7
148	64.9	32.5	97.5

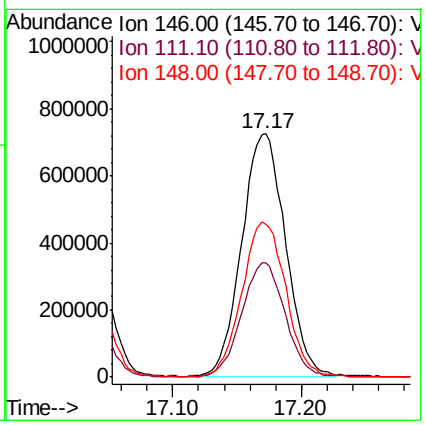


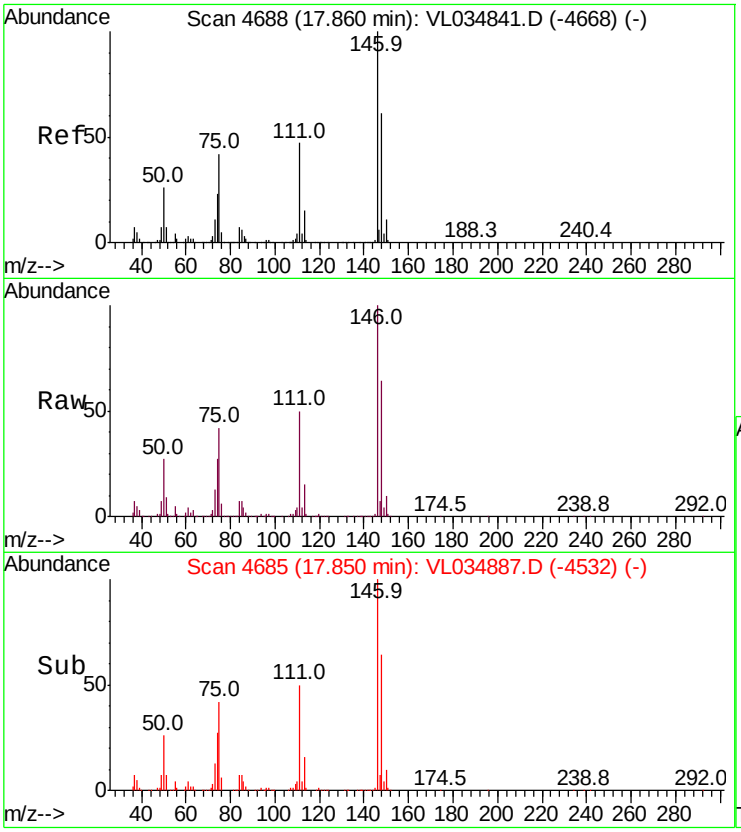


#76
1,4-Dichlorobenzene
Concen: 8.256 ppbv
RT: 17.17 min Scan# 4474
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:146 Resp: 1705180

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.4	70.2
148	65.1	32.3	96.9



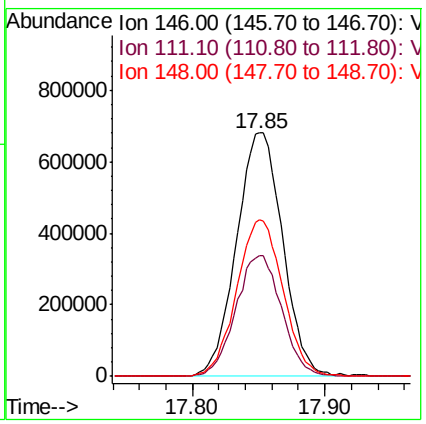


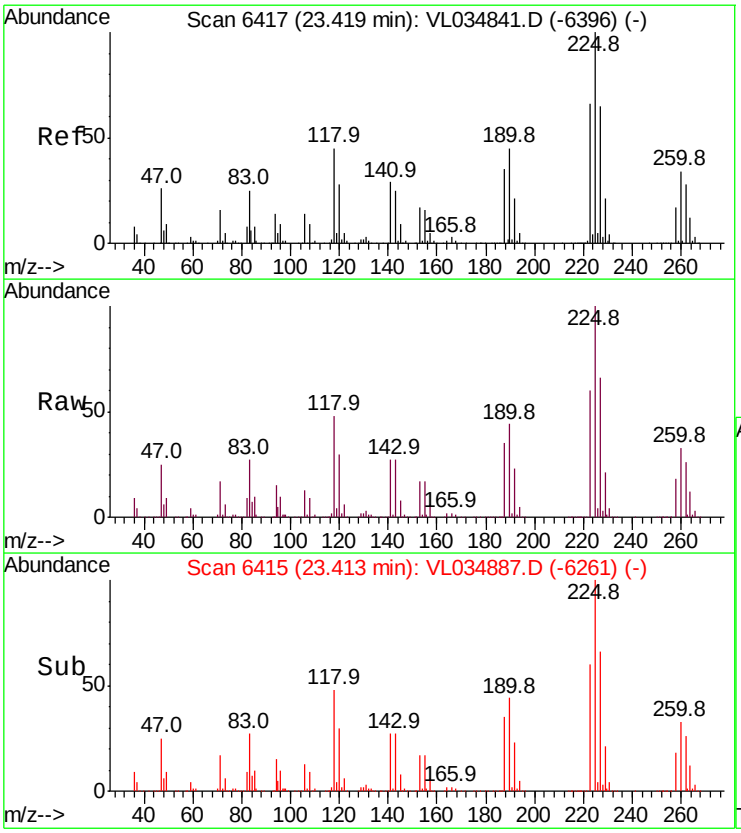
#77
1,2-Dichlorobenzene
Concen: 8.173 ppbv
RT: 17.85 min Scan# 4685
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1639808

Ion	Ratio	Lower	Upper
146	100		
111	49.7	23.8	71.4
148	65.0	31.6	94.8

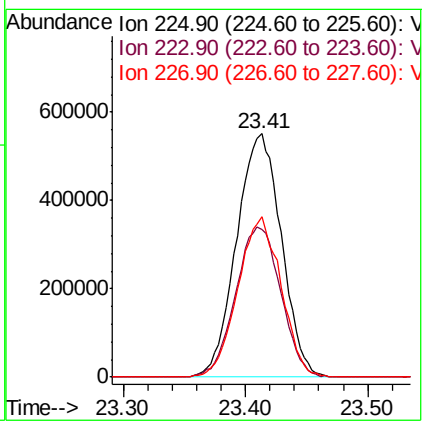


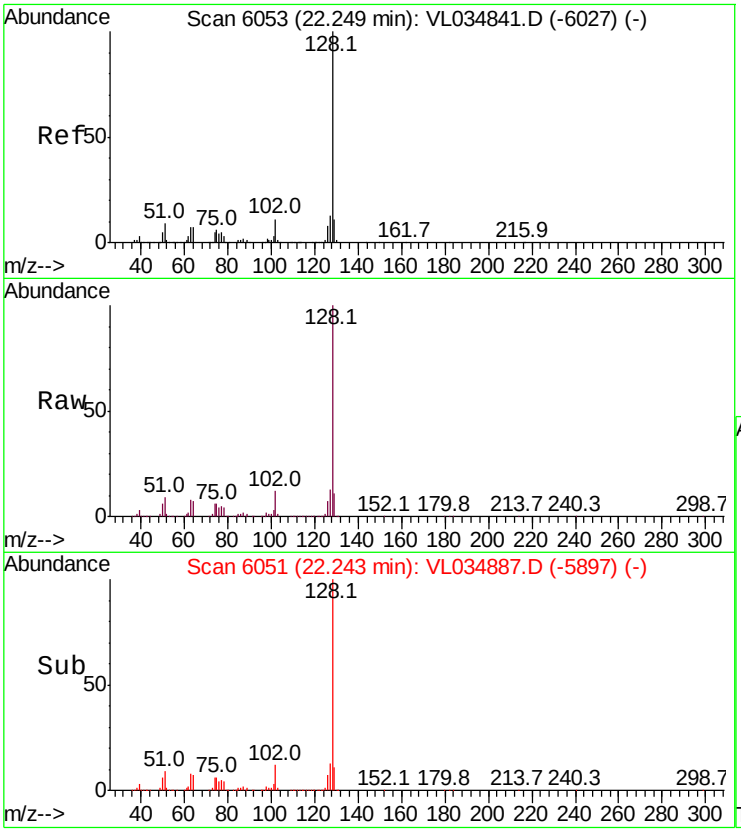


#78
Hexachloro-1,3-Butadiene
Concen: 8.346 ppbv
RT: 23.41 min Scan# 6415
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:225 Resp: 1398602

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.1	76.7
227	63.4	51.8	77.6



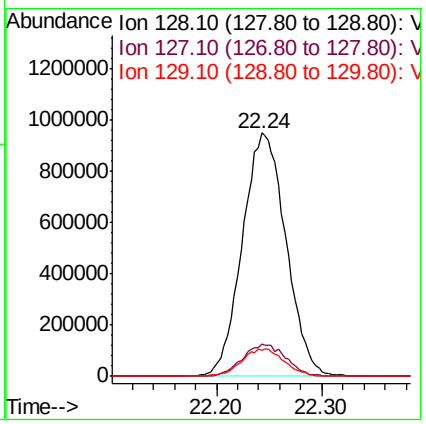


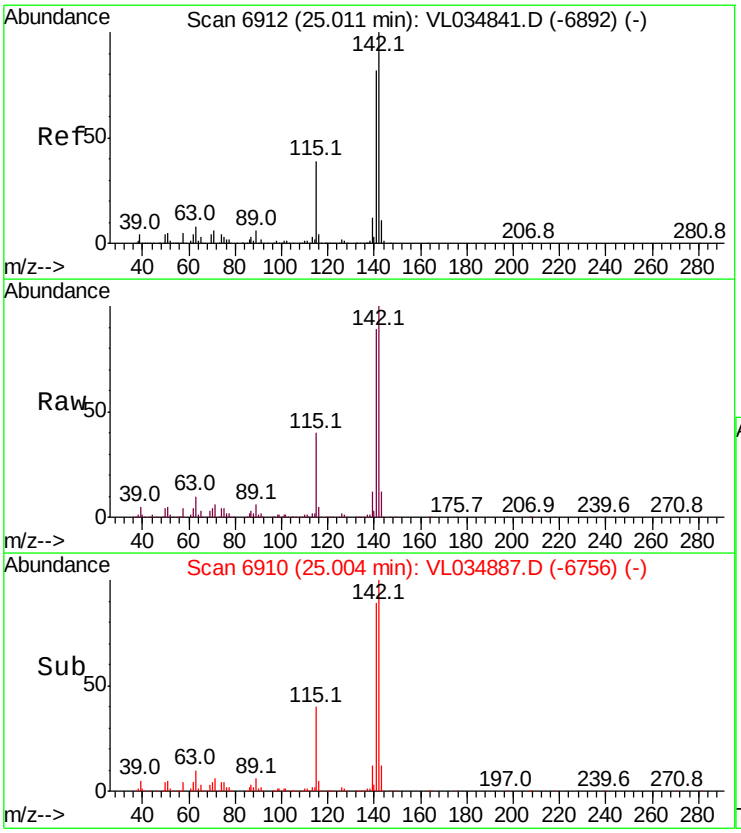
#79
Naphthalene
Concen: 10.173 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2723187

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.9	8.6	13.0

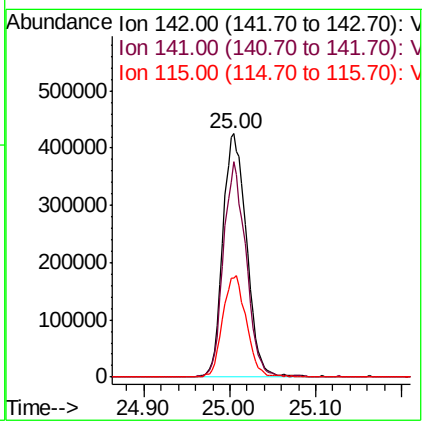


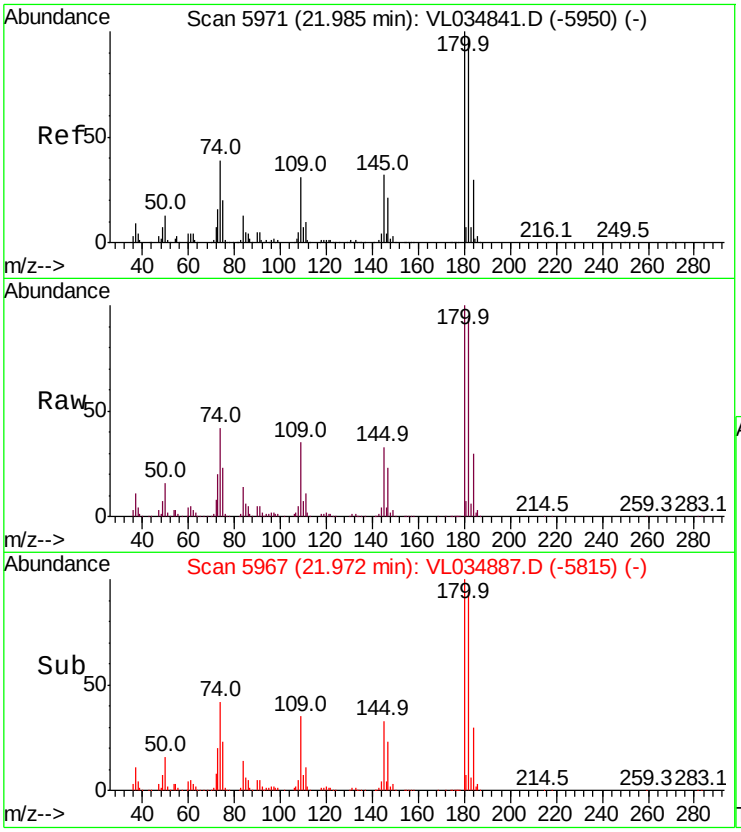


#80
Naphthalene,2-methyl-
Concen: 11.626 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:142 Resp: 813304

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.9	103.3
115	41.7	33.2	49.8





#81
1,2,4-Trichlorobenzene
Concen: 9.242 ppbv
RT: 21.97 min Scan# 5967
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1571792

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
184	31.0	25.0	37.4