Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034280.D
Acq On : 14 Oct 2019 13:19
Operator : SY/AP
Sample : VL1014ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Quant Time: Oct 15 02:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1019846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1796758	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1905278	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1615071	9.76	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1784469	11.846	ppbv	98
3) Chlorodifluoromethane	2.97	51	1160390	9.704	ppbv	98
4) Chloromethane	3.12	50	701820	9.988	ppbv	97
5) Vinyl Chloride	3.24	62	637152	9.922	ppbv	100
6) Bromomethane	3.46	94	305898	10.210	ppbv	94
7) Chloroethane	3.55	64	232145	10.342	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1367829	10.288	ppbv	98
9) Propene	2.99	41	552245	9.361	ppbv	100
10) Heptane	8.17	43	1465954	9.534	ppbv	100
11) Trichlorofluoromethane	3.94	101	1446389	10.548	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	962761	10.729	ppbv	100
13) Ethanol	3.60	45	123125	8.619	ppbv	100
14) Bromoethene	3.73	108	401414	10.941	ppbv	100
15) Acetone	3.84	43	1211870	8.866	ppbv	99
16) 1,3-Butadiene	3.31	39	609433	10.217	ppbv	99
17) tert-Butyl alcohol	4.29	59	956464	11.044	ppbv	100
18) 1,1-Dichloroethene	4.29	96	430702	11.004	ppbv	93
19) Isopropyl Alcohol	3.97	45	851588	10.131	ppbv	100
20) Methylene Chloride	4.35	84	395834	10.044	ppbv	96
21) Allyl Chloride	4.41	41	840190	10.883	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	434028	11.083	ppbv	99
23) Vinyl Acetate	5.09	43	1950904	9.686	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1344523	9.914	ppbv	99
25) Ethyl Acetate	5.70	43	2458228	9.511	ppbv	100
26) Hexane	5.71	57	1039530	9.668	ppbv	99
27) Carbon Disulfide	4.56	76	1152573	11.623	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1679021	10.514	ppbv	98
29) Chloroform	5.78	83	1527893	9.944	ppbv	100
30) Cyclohexane	7.17	84	776835	10.007	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1094057	9.982	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1514249	10.219	ppbv	98
34) 2-Butanone	5.26	43	1654417	9.018	ppbv	99
35) Carbon Tetrachloride	7.06	117	1492439	9.998	ppbv	99
36) Benzene	6.93	78	1865072	9.399	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1381775	9.790	ppbv	100
38) Trichloroethene	7.88	130	648491	9.146	ppbv	96
39) 1,2-Dichloropropane	7.66	63	823461	9.236	ppbv	95
40) 1,4-Dioxane	7.87	88	112064	3.884	ppbv #	1
41) Tetrahydrofuran	6.07	42	962527	9.315	ppbv	98
42) Bromodichloromethane	7.84	83	1705386	10.068	ppbv	99
43) Methyl Methacrylate	8.06	69	816709	9.963	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034280.D
Acq On : 14 Oct 2019 13:19
Operator : SY/AP
Sample : VL1014ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Quant Time: Oct 15 02:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3504670	9.174	ppbv		99
45) t-1,3-Dichloropropene	9.33	75	1078306	11.125	ppbv		95
46) cis-1,3-Dichloropropene	8.76	75	1223297	10.492	ppbv		98
47) 1,1,2-Trichloroethane	9.54	97	758490	9.474	ppbv		96
48) Dibromochloromethane	10.37	129	1285428	10.130	ppbv		99
49) Bromoform	13.11	173	1067042	10.391	ppbv		98
50) 4-Methyl-2-Pentanone	8.79	43	2431651	9.107	ppbv		99
51) 2-Hexanone	10.19	43	2030359	9.061	ppbv		99
52) Tetrachloroethene	11.29	164	581065	8.863	ppbv		97
53) Toluene	9.87	91	2077287	9.578	ppbv		99
54) 1,2-Dibromoethane	10.68	107	1145320	9.619	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.19	131	838282	9.866	ppbv		97
57) Chlorobenzene	12.22	112	1485862	8.957	ppbv		100
58) Ethyl Benzene	12.78	91	2857657	9.295	ppbv		99
59) m/p-Xylene	13.06	91	2287553	8.984	ppbv	#	32
60) o-Xylene	13.76	91	2346762	9.217	ppbv		98
61) Styrene	13.60	104	1704265	9.345	ppbv		100
62) Isopropylbenzene	14.74	105	3040651	9.225	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1675012	8.023	ppbv		100
64) n-propylbenzene	15.64	120	781314	9.370	ppbv		93
65) tert-Butylbenzene	16.82	119	2587128	8.983	ppbv		99
66) Benzyl Chloride	17.07	91	1266079	12.426	ppbv		100
67) sec-Butylbenzene	17.37	105	3750400	9.107	ppbv		98
69) p-Isopropyltoluene	17.73	119	3030554	9.088	ppbv		99
70) n-Butylbenzene	18.63	91	3443058	8.867	ppbv		99
71) 2-Chlorotoluene	15.53	91	2438045	9.053	ppbv		100
72) 4-Ethyltoluene	15.91	105	1562391	5.431	ppbv	#	63
73) 1,3,5-Trimethylbenzene	16.08	105	2551849	9.182	ppbv		97
74) 1,2,4-Trimethylbenzene	16.84	105	2606598	8.834	ppbv		97
75) 1,3-Dichlorobenzene	17.08	146	1394518	8.808	ppbv		99
76) 1,4-Dichlorobenzene	17.22	146	1407790	8.683	ppbv		99
77) 1,2-Dichlorobenzene	17.90	146	1375570	8.584	ppbv		98
78) Hexachloro-1,3-Butadiene	23.46	225	968125	9.122	ppbv		99
79) Naphthalene	22.31	128	2256056	8.685	ppbv		98
80) Naphthalene,2-methyl-	25.04	142	880209	7.286	ppbv		99
81) 1,2,4-Trichlorobenzene	22.03	180	1237881	8.602	ppbv		100

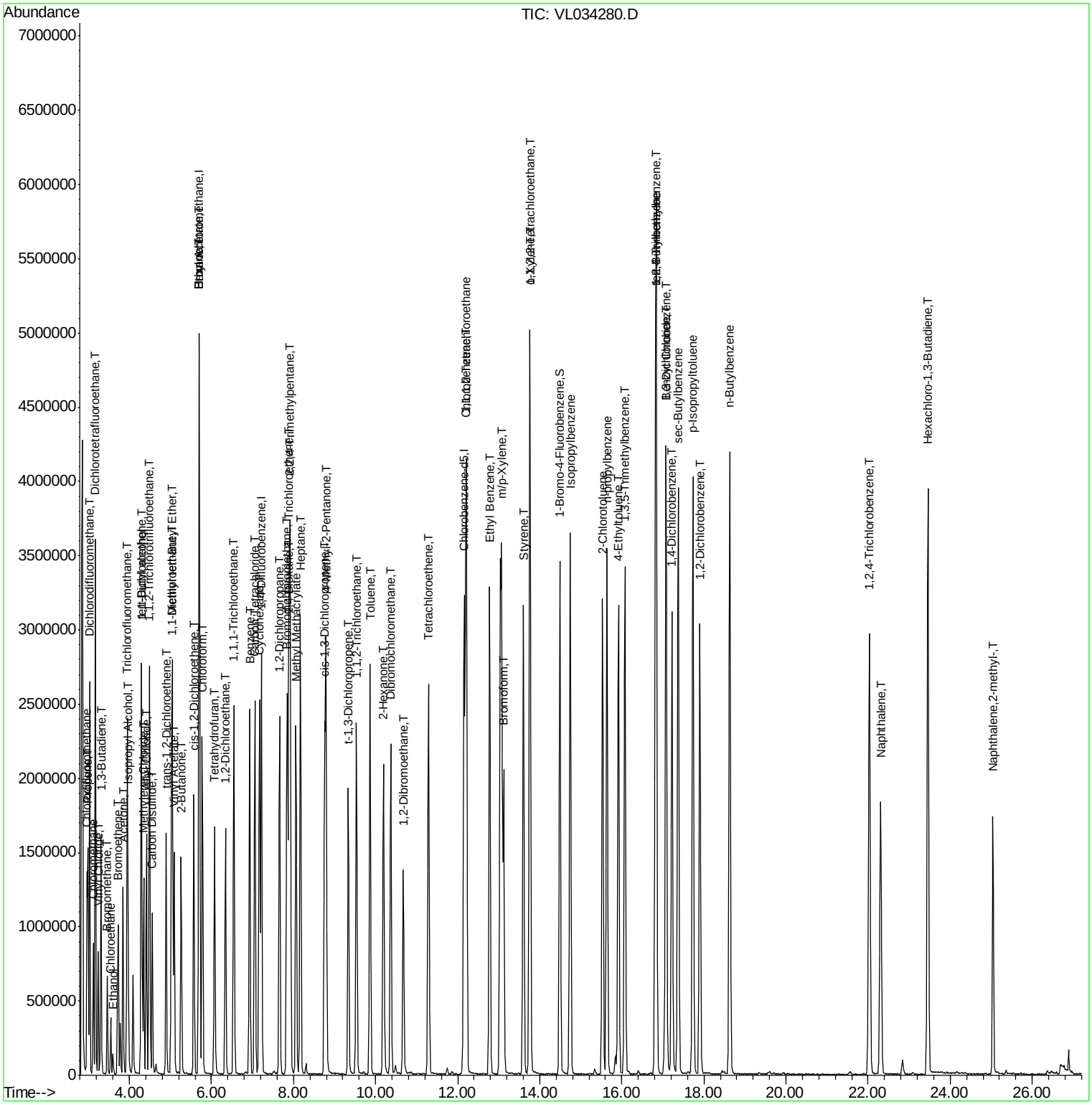
(#) = qualifier out of range (m) = manual integration (+) = signals summed

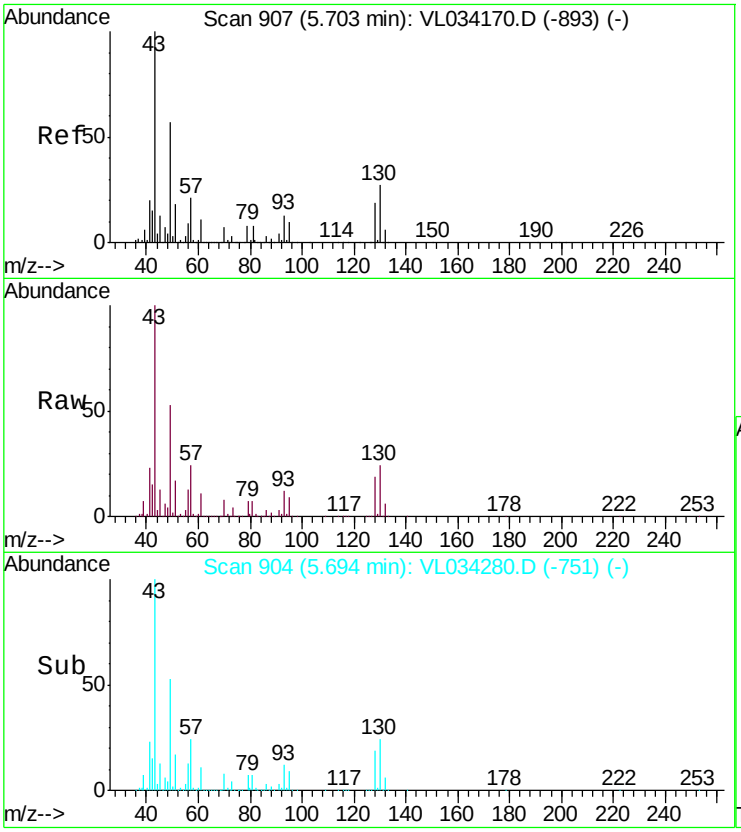
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034280.D
Acq On : 14 Oct 2019 13:19
Operator : SY/AP
Sample : VL1014ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Quant Time: Oct 15 02:48:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



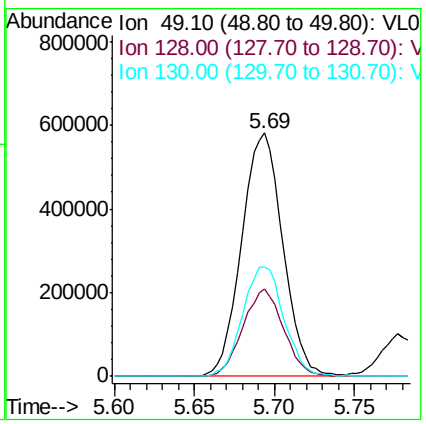


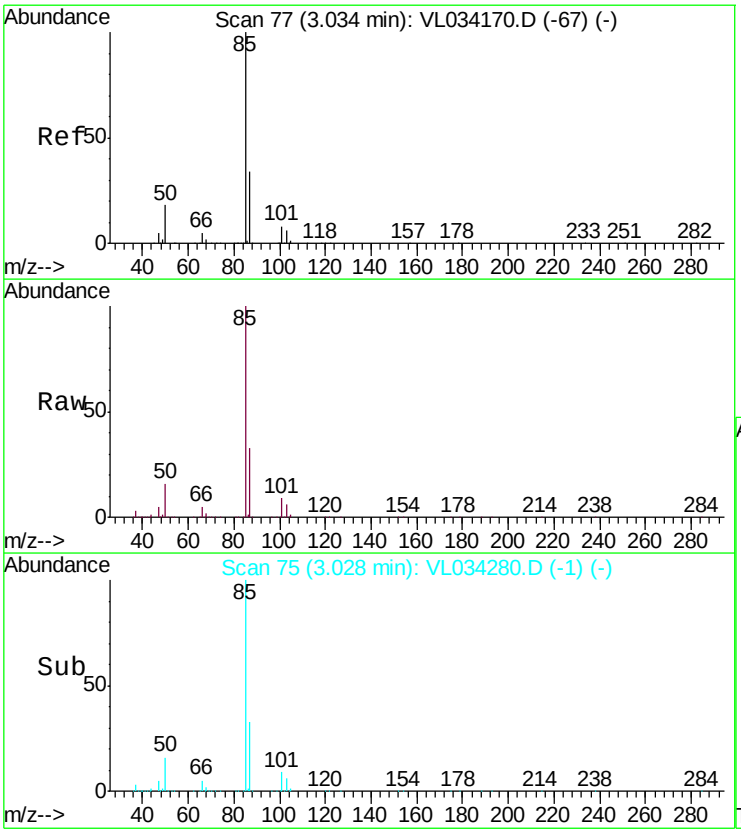
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 49 Resp: 1019846

Ion	Ratio	Lower	Upper
49	100		
128	35.6	17.6	52.9
130	45.6	22.3	66.9

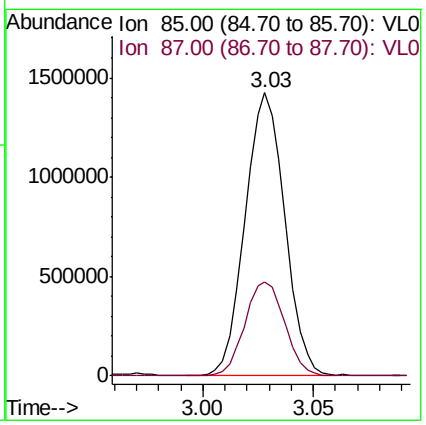


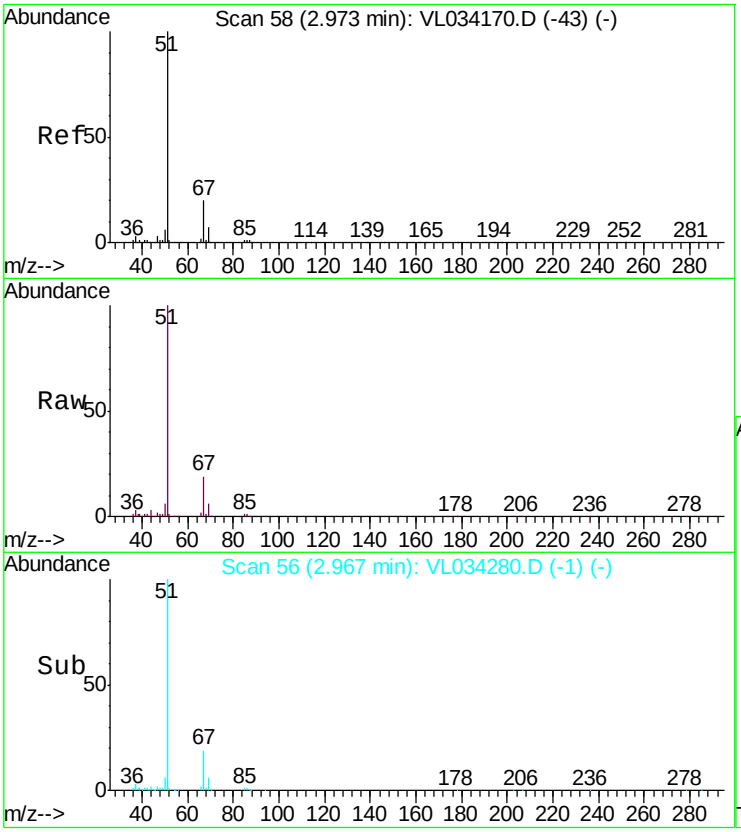


#2
Dichlorodifluoromethane
Concen: 11.846 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 85 Resp: 1784469

Ion	Ratio	Lower	Upper
85	100		
87	33.0	27.2	40.8



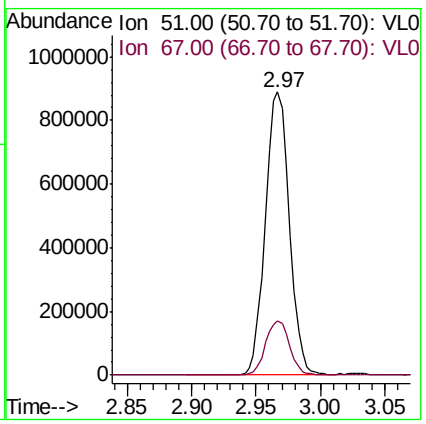


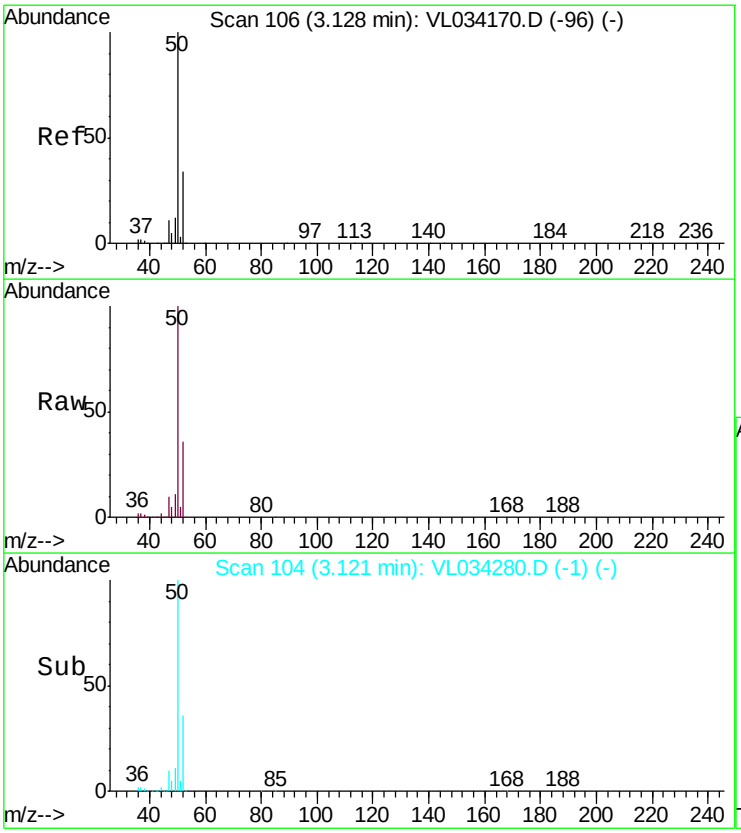
#3
Chlorodifluoromethane
Concen: 9.704 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 51 Resp: 1160390

Ion	Ratio	Lower	Upper
51	100		
67	19.2	14.8	22.2

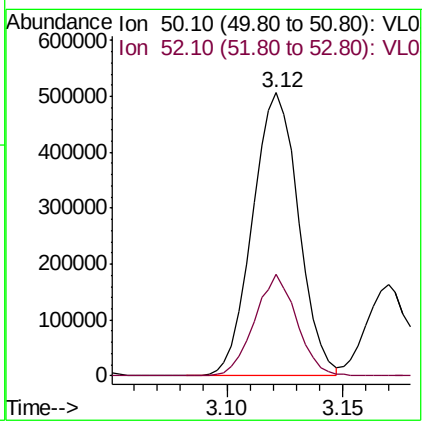


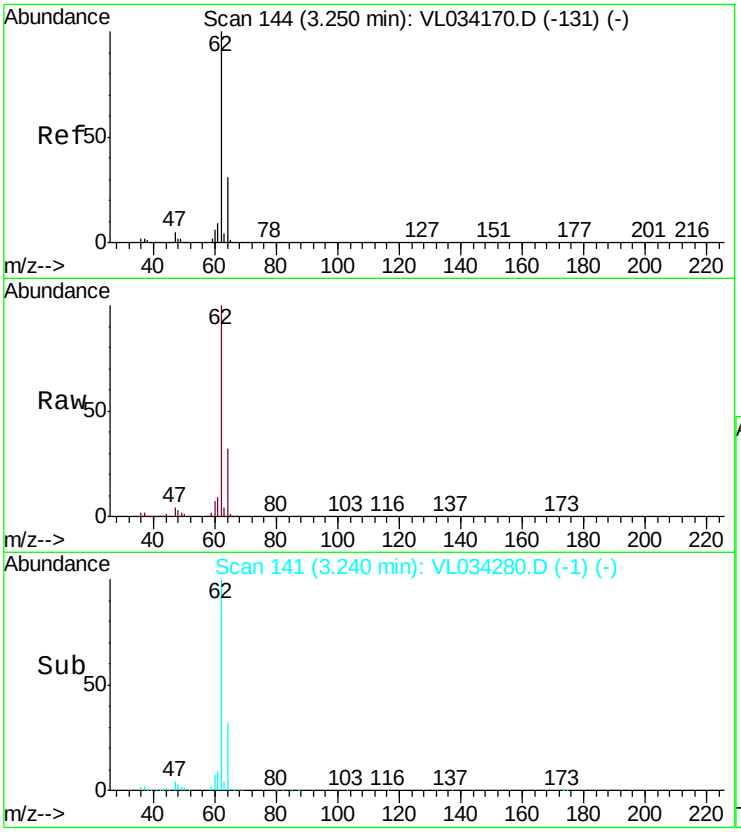


#4
Chloromethane
Concen: 9.988 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 50 Resp: 701820

Ion	Ratio	Lower	Upper
50	100		
52	35.8	27.1	40.7



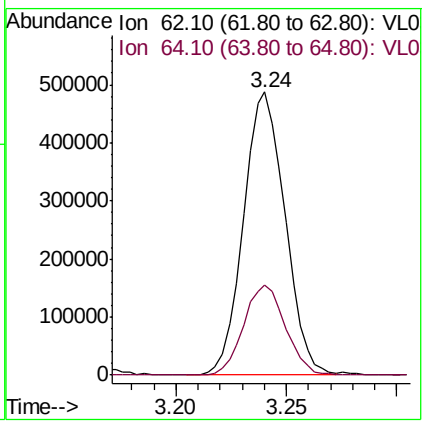


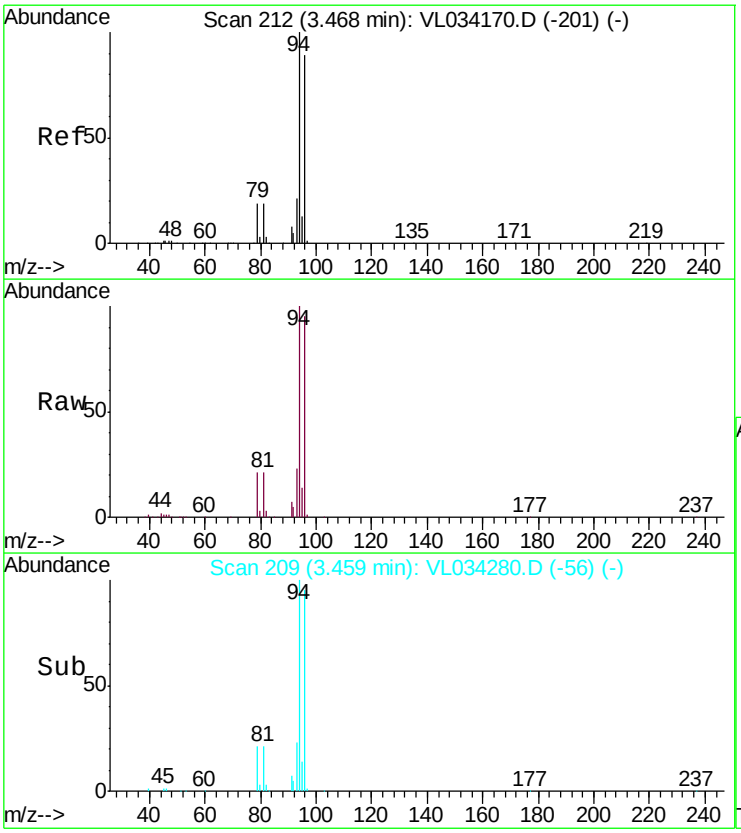
#5
Vinyl Chloride
Concen: 9.922 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 62 Resp: 637152

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8

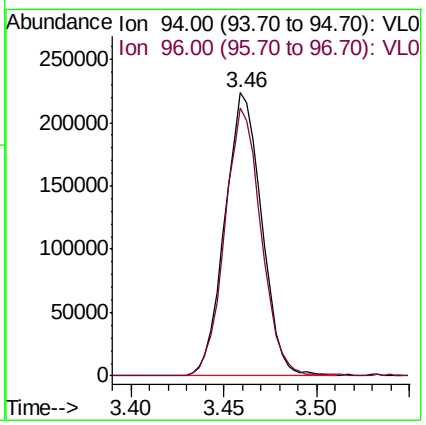


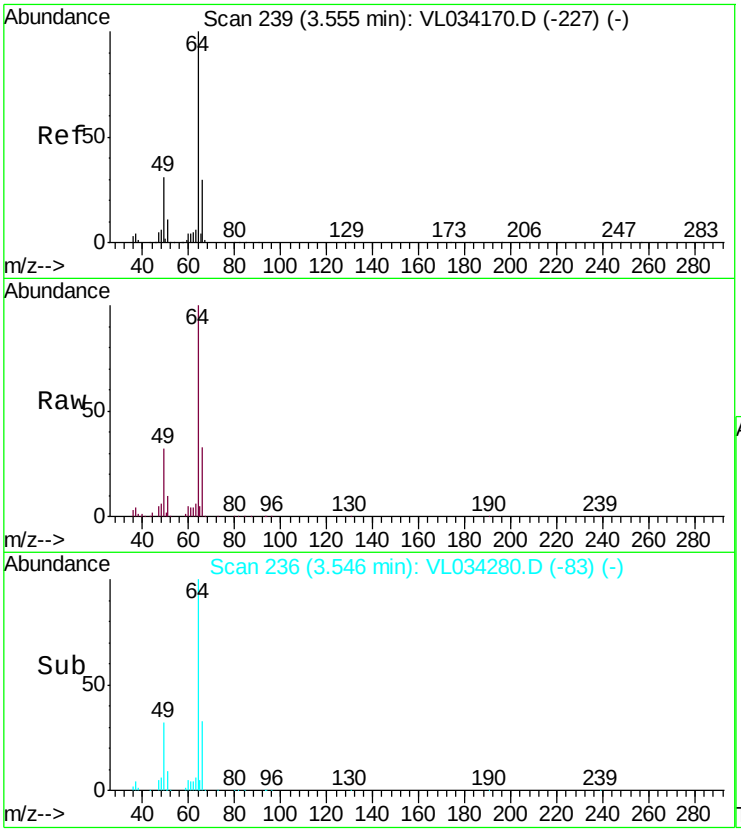


#6
Bromomethane
Concen: 10.210 ppbv
RT: 3.46 min Scan# 209
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 94 Resp: 305898

Ion	Ratio	Lower	Upper
94	100		
96	94.7	71.3	106.9



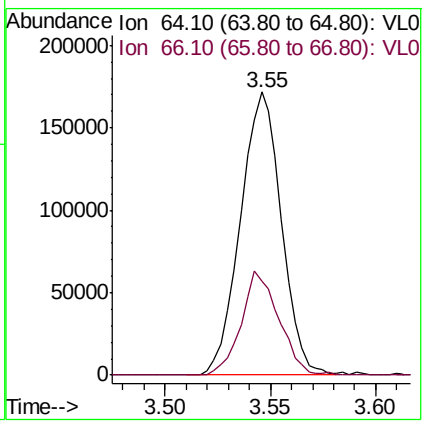


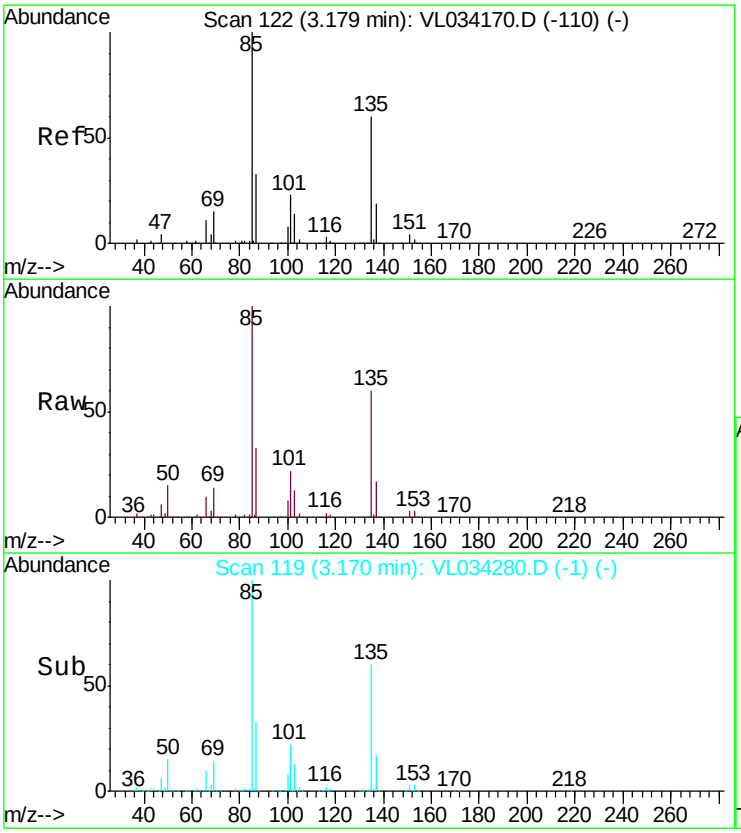
#7
Chloroethane
Concen: 10.342 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 64 Resp: 232145

Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.2	36.4

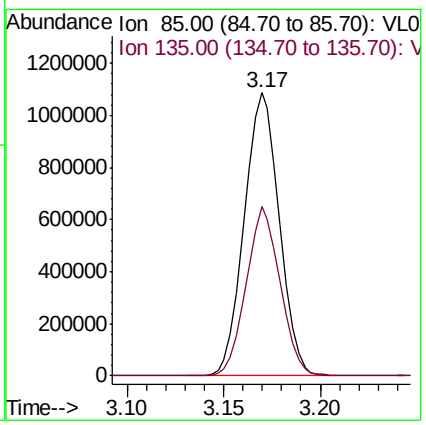


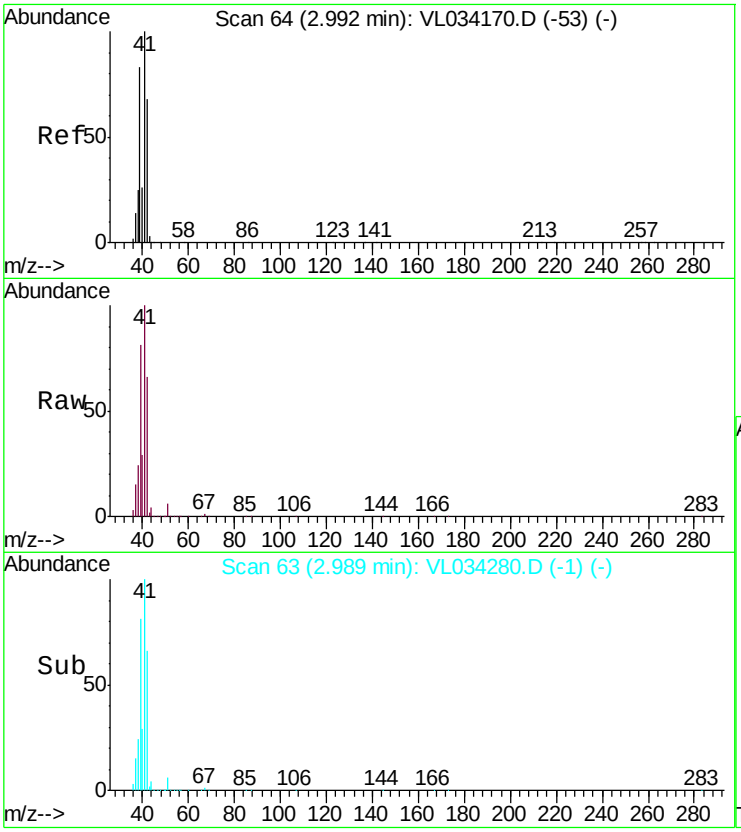


#8
Dichlorotetrafluoroethane
Concen: 10.288 ppbv
RT: 3.17 min Scan# 119
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 85 Resp: 1367829

Ion	Ratio	Lower	Upper
85	100		
135	57.9	47.3	70.9



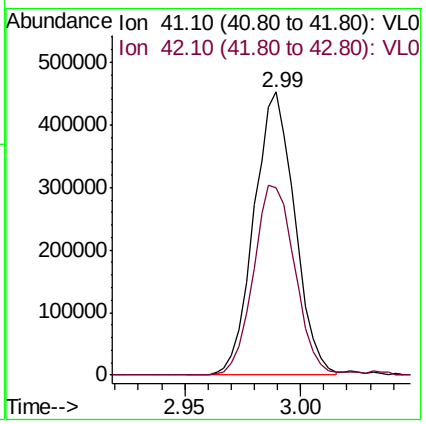


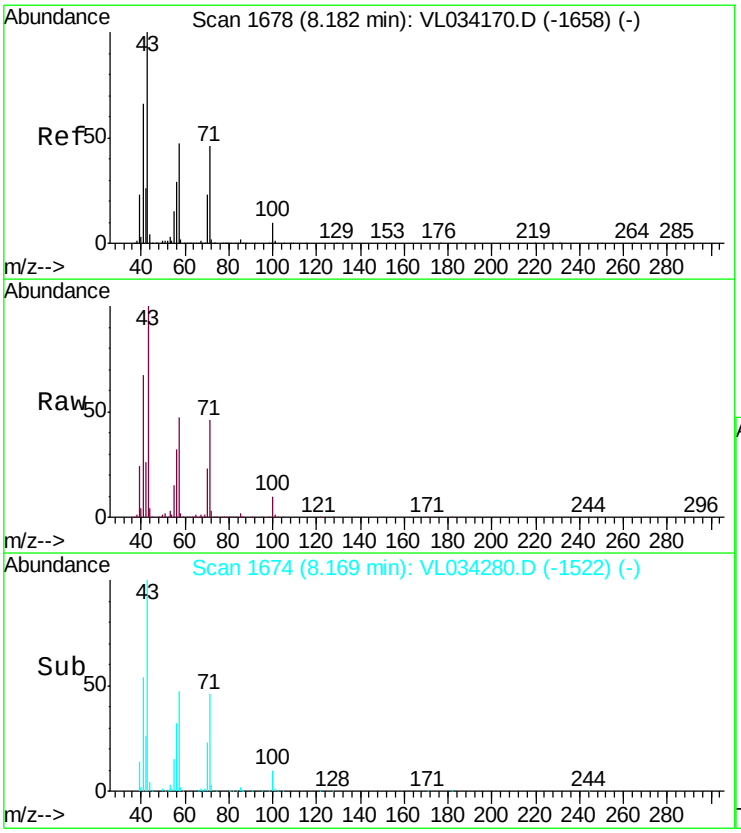
#9
Propene
Concen: 9.361 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 41 Resp: 552245

Ion	Ratio	Lower	Upper
41	100		
42	70.0	55.8	83.6

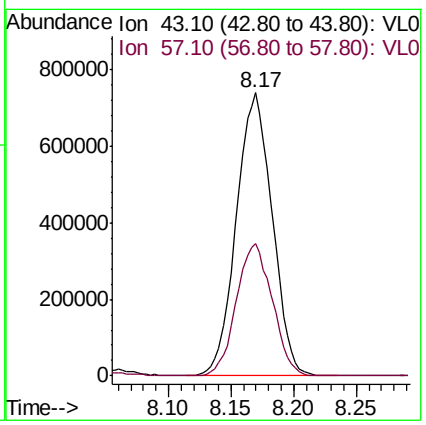


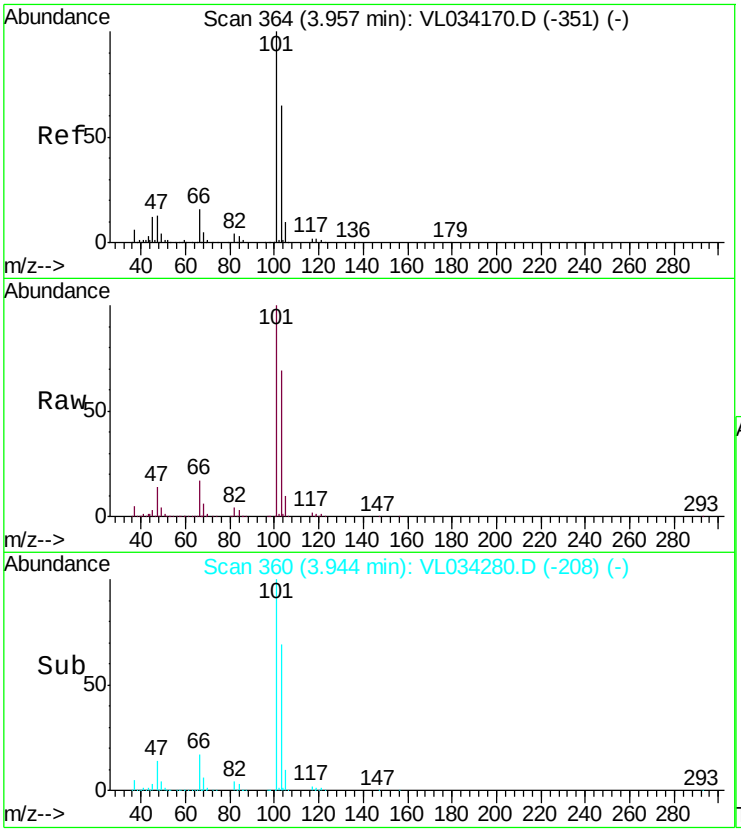


#10
Heptane
Concen: 9.534 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 43 Resp: 1465954

Ion	Ratio	Lower	Upper
43	100		
57	47.1	37.5	56.3



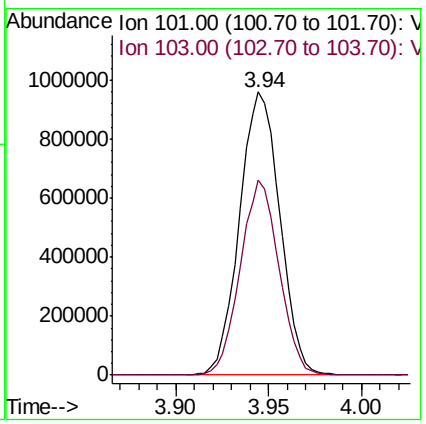


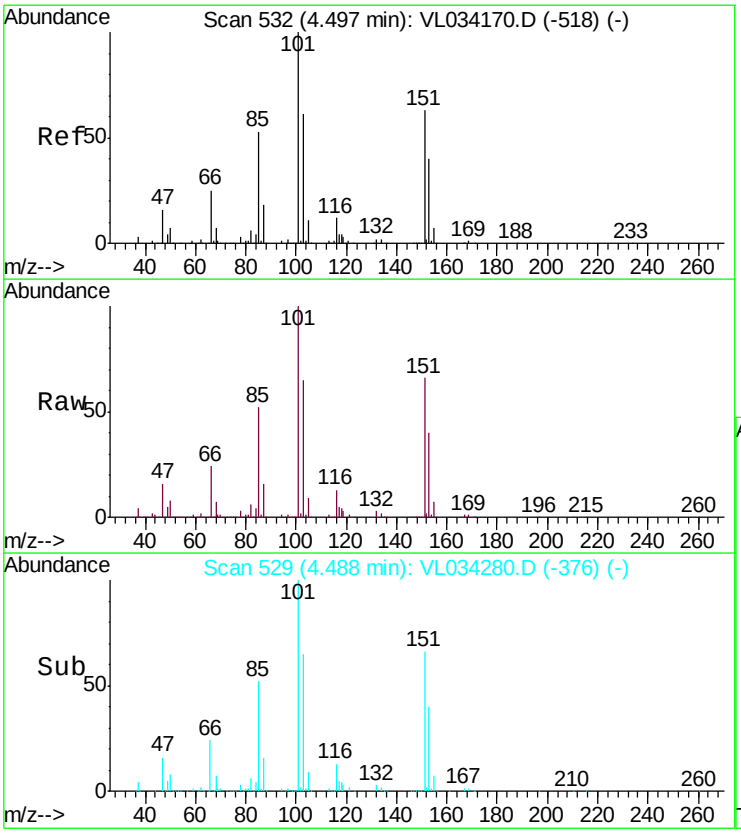
#11
Trichlorofluoromethane
Concen: 10.548 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:101 Resp: 1446389

Ion	Ratio	Lower	Upper
101	100		
103	68.9	52.1	78.1

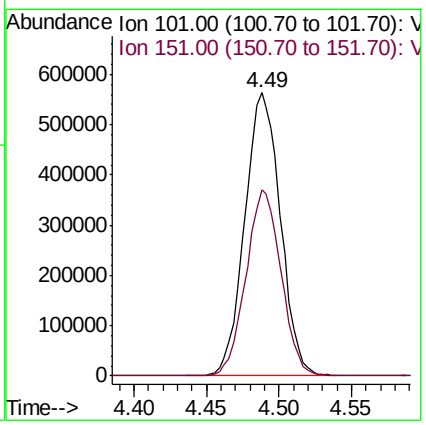


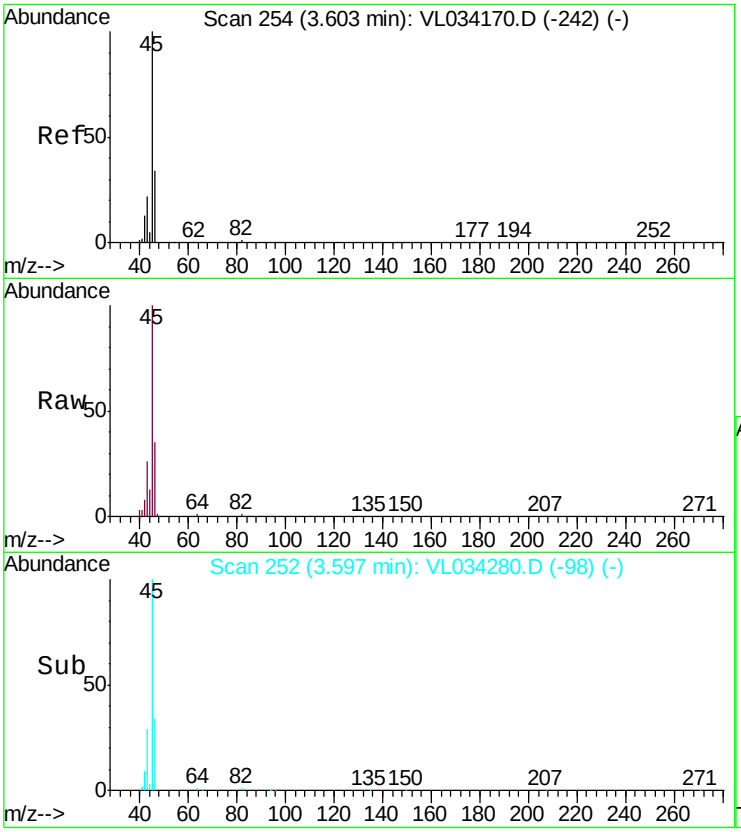


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.729 ppbv
RT: 4.49 min Scan# 529
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:101 Resp: 962761

Ion	Ratio	Lower	Upper
101	100		
151	65.0	51.8	77.8



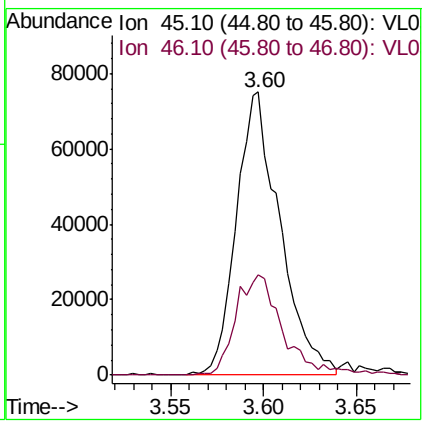


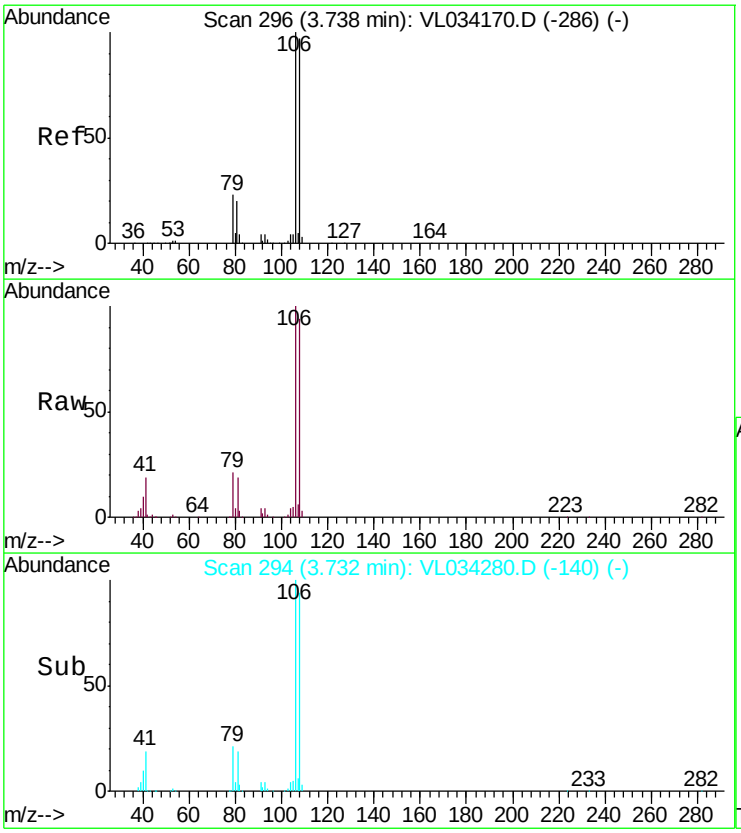
#13
Ethanol
Concen: 8.619 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 45 Resp: 123125

Ion	Ratio	Lower	Upper
45	100		
46	38.9	15.5	61.9

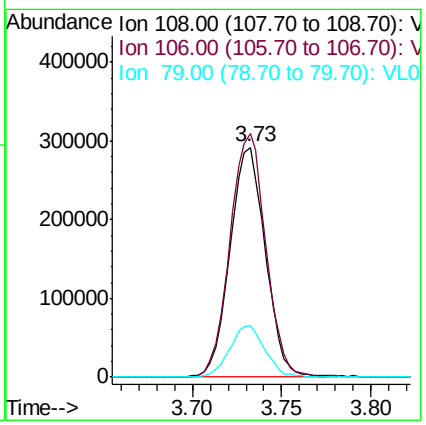


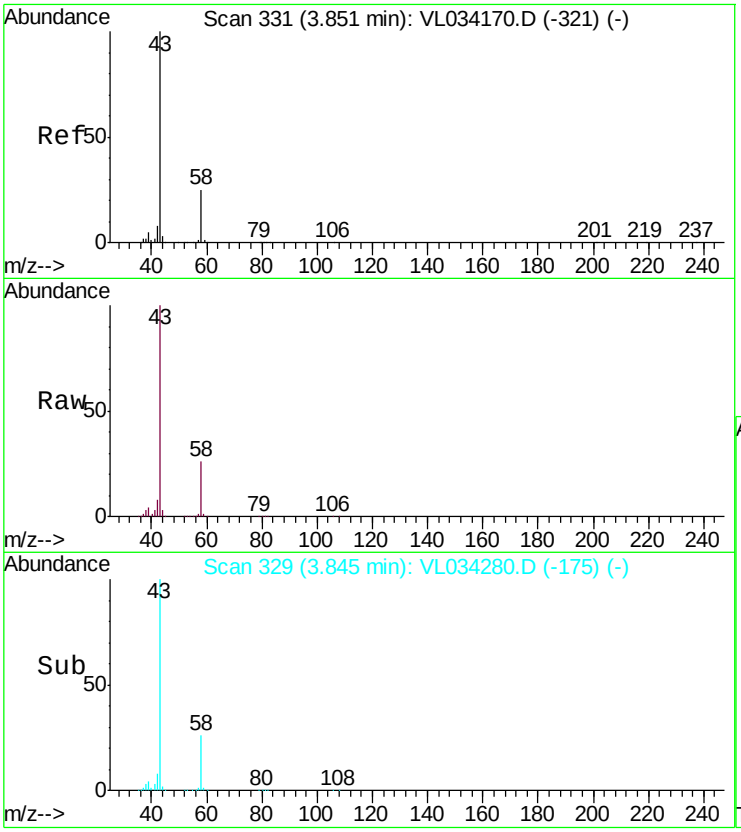


#14
Bromoethene
Concen: 10.941 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:108 Resp: 401414

Ion	Ratio	Lower	Upper
108	100		
106	107.8	86.2	129.4
79	22.4	18.6	27.8



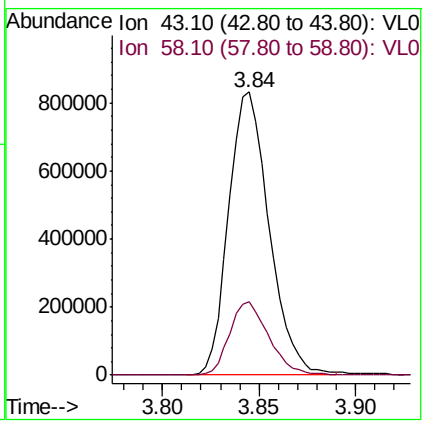


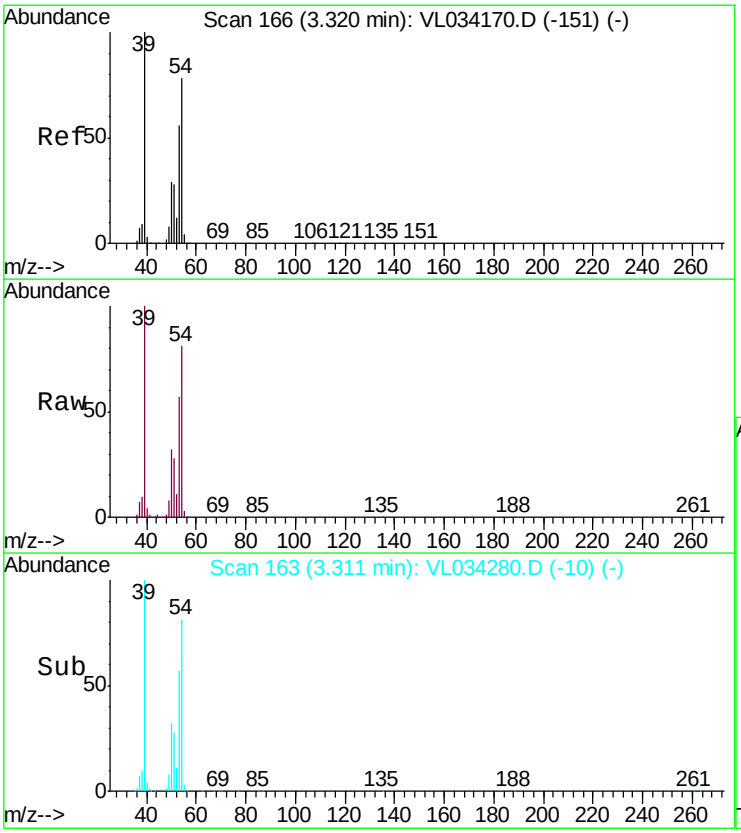
#15
Acetone
Concen: 8.866 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 43 Resp: 1211870

Ion	Ratio	Lower	Upper
43	100		
58	25.2	20.5	30.7

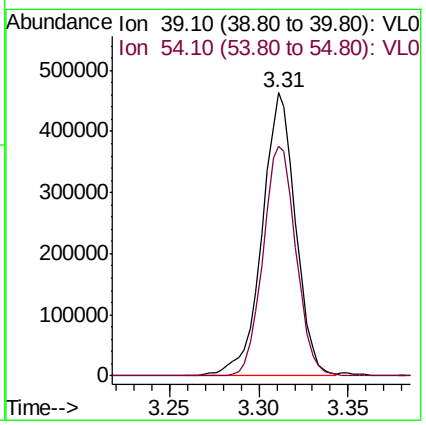


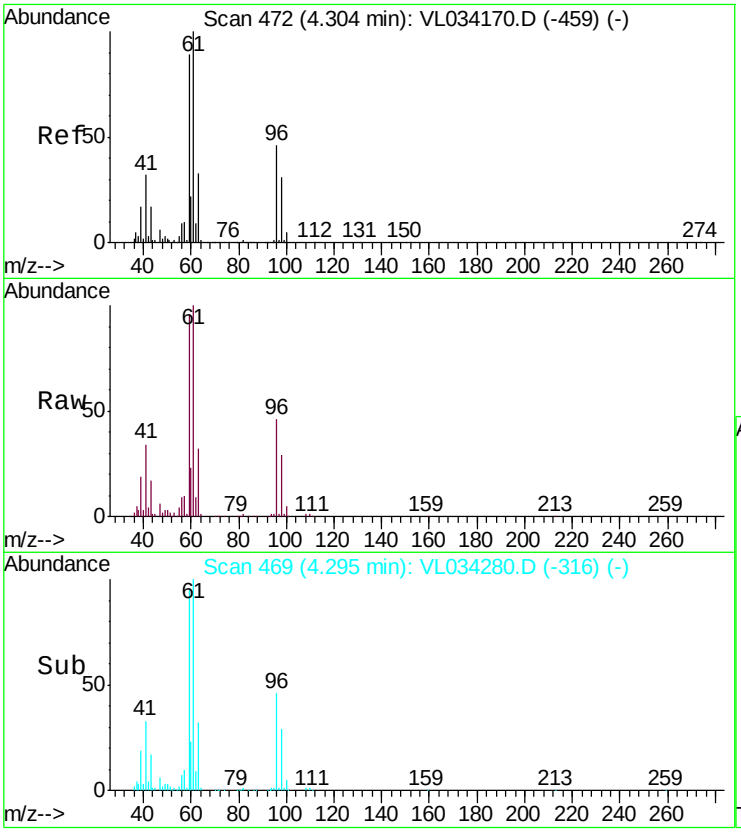


#16
1,3-Butadiene
Concen: 10.217 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 39 Resp: 609433

Ion	Ratio	Lower	Upper
39	100		
54	80.3	63.4	95.0



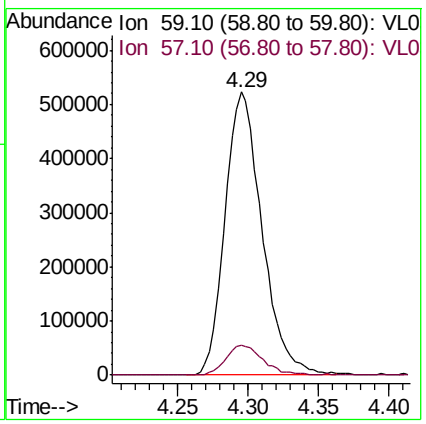


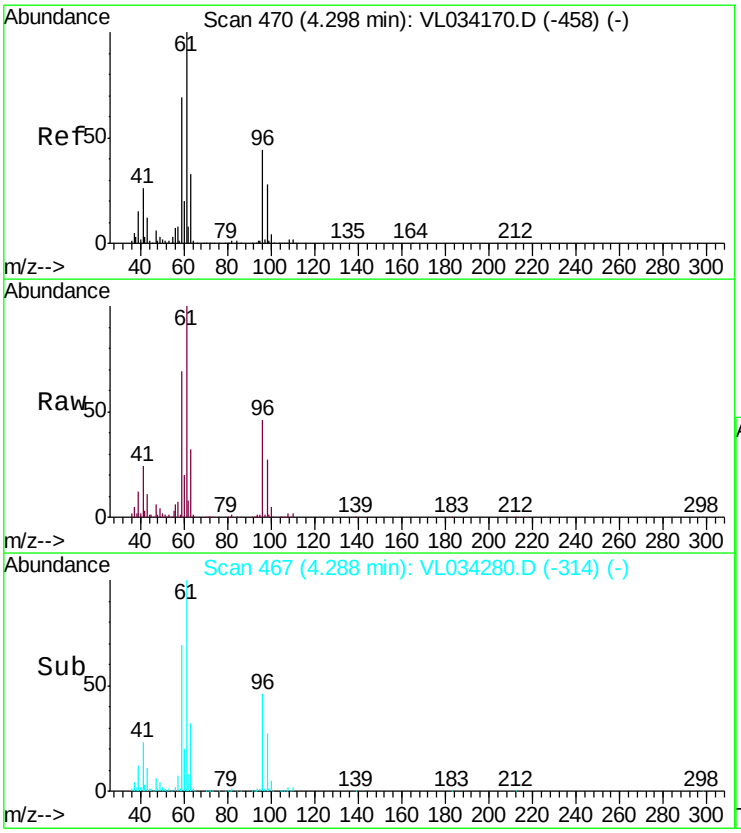
#17
tert-Butyl alcohol
Concen: 11.044 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 59 Resp: 956464

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

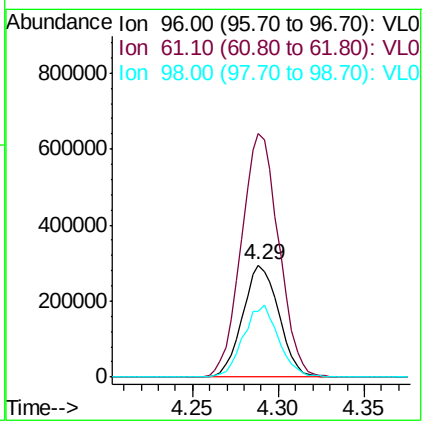


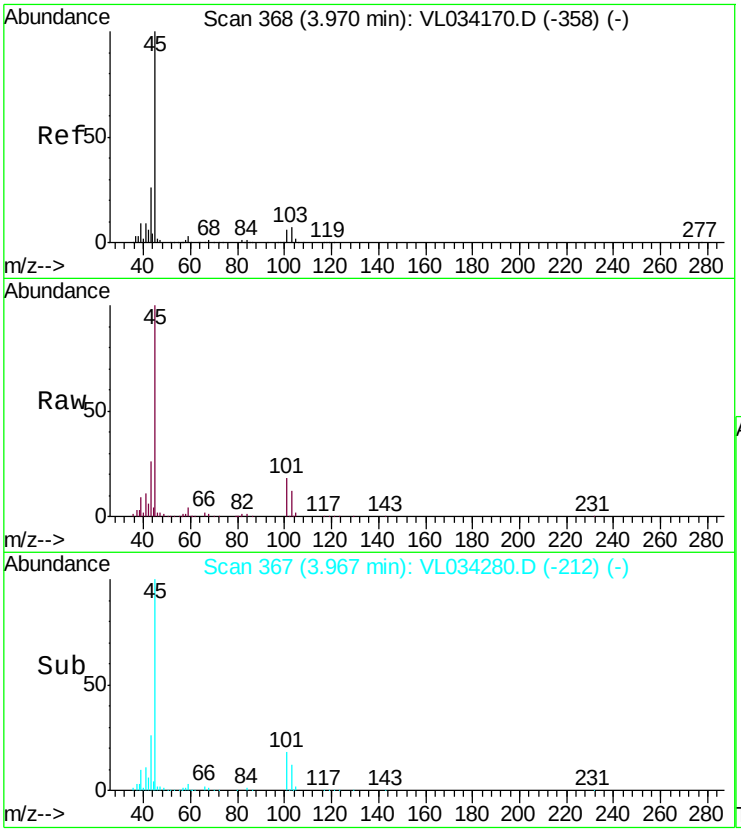


#18
1,1-Dichloroethene
Concen: 11.004 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 96 Resp: 430702

Ion	Ratio	Lower	Upper
96	100		
61	217.8	183.3	274.9
98	58.3	51.4	77.2



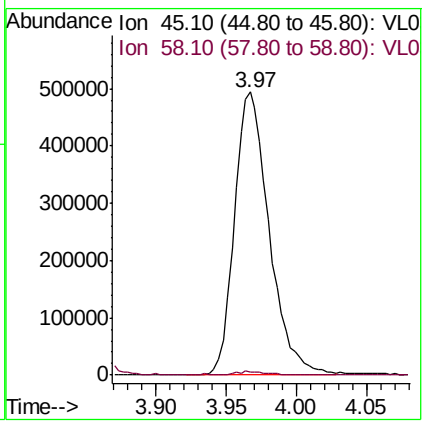


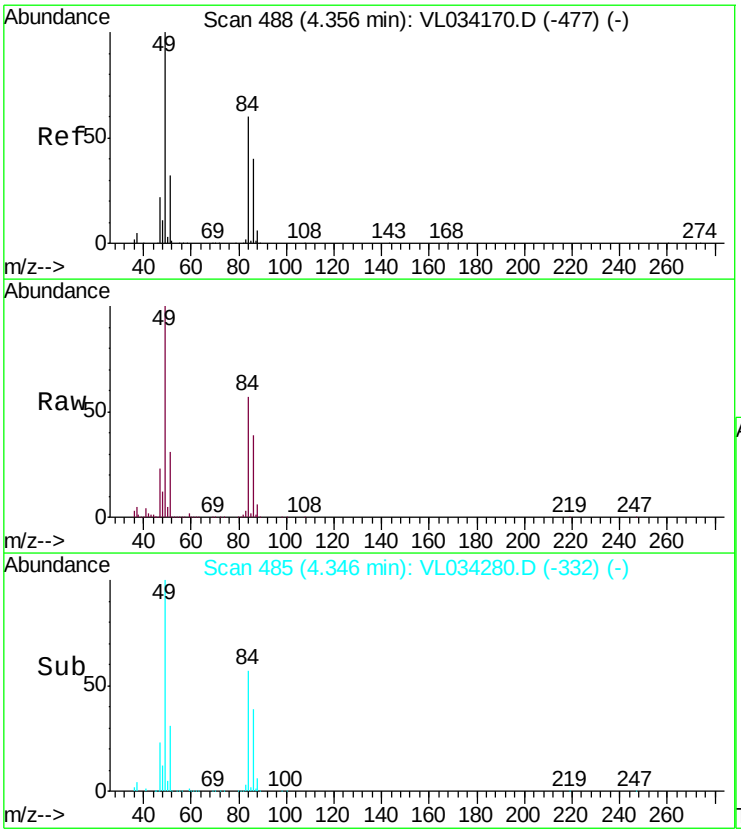
#19
Isopropyl Alcohol
Concen: 10.131 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 45 Resp: 851588

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

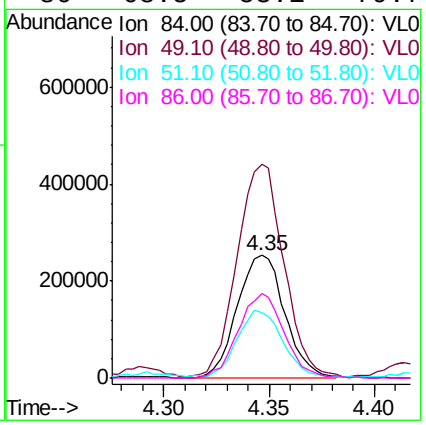


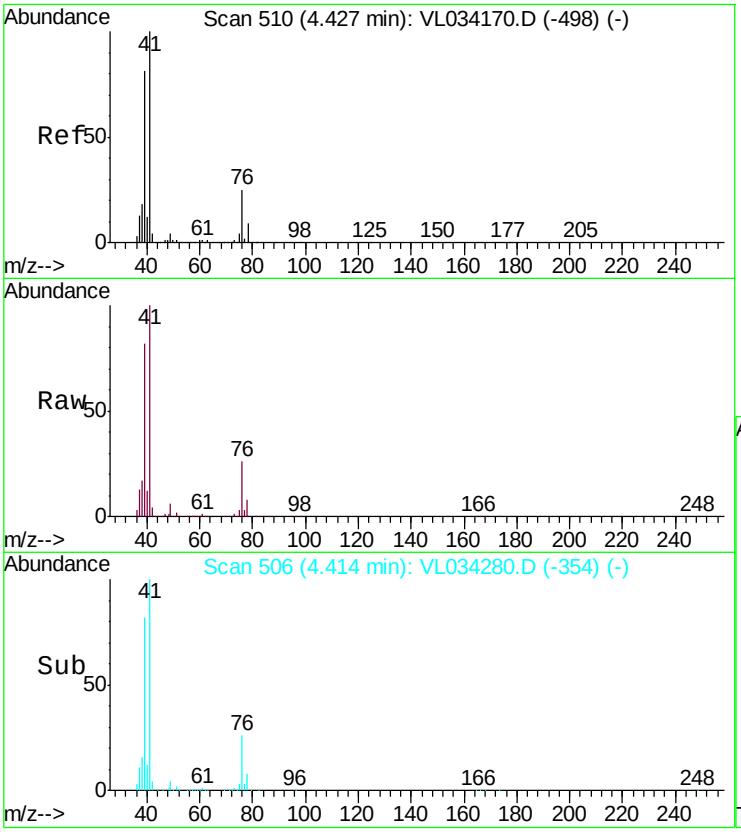


#20
Methylene Chloride
Concen: 10.044 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 84 Resp: 395834

Ion	Ratio	Lower	Upper
84	100		
49	173.1	133.8	200.8
51	52.3	43.6	65.4
86	68.5	53.1	79.7



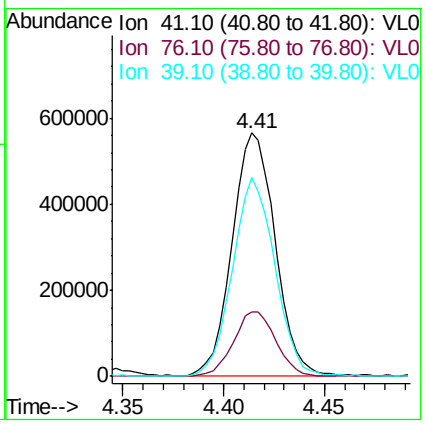


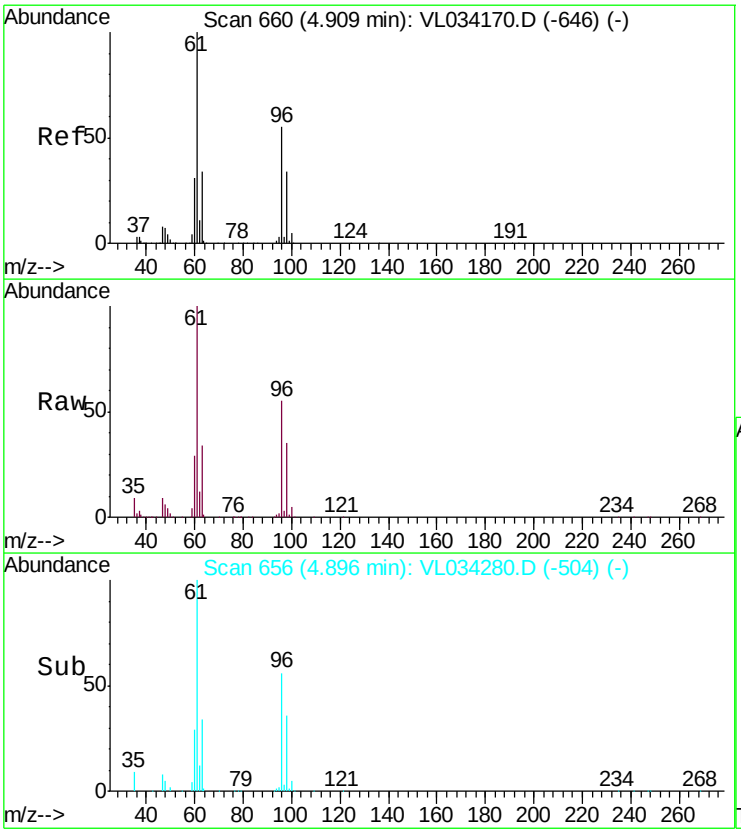
#21
Allyl Chloride
Concen: 10.883 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 41 Resp: 840190

Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.8	32.6
39	81.2	64.8	97.2

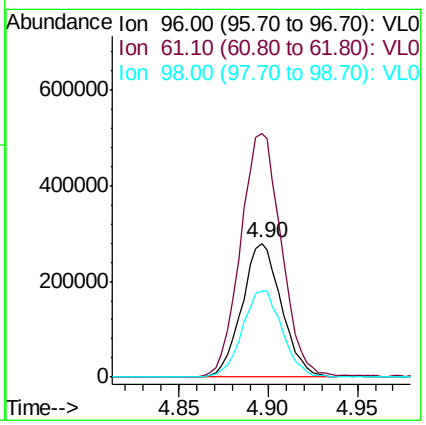


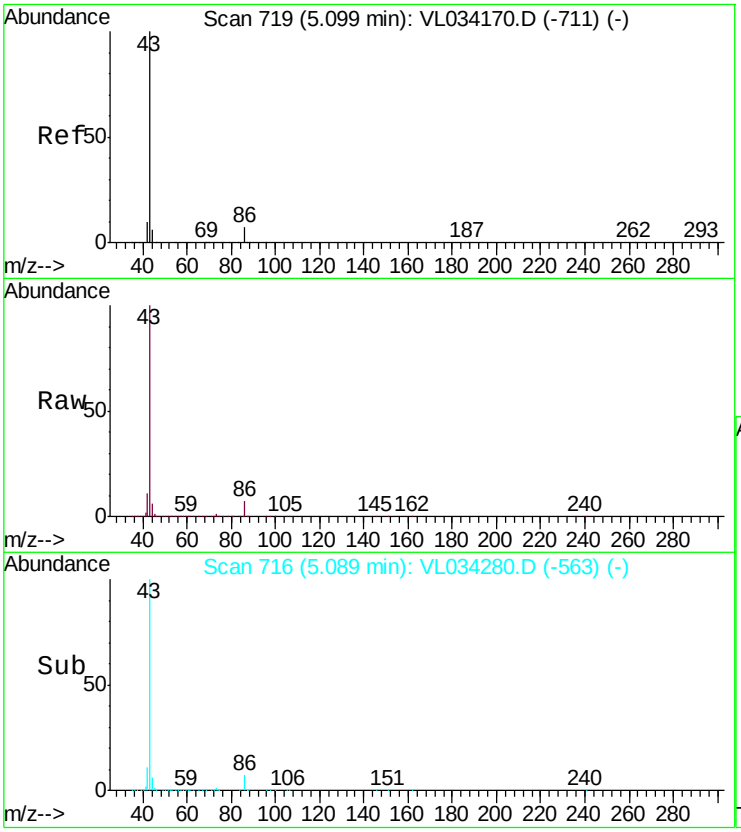


#22
trans-1,2-Dichloroethene
Concen: 11.083 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 96 Resp: 434028

Ion	Ratio	Lower	Upper
96	100		
61	181.6	145.5	218.3
98	64.2	49.9	74.9



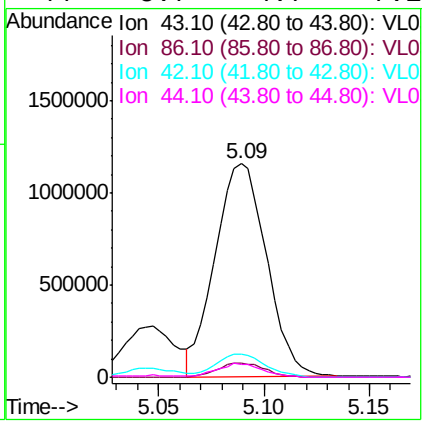


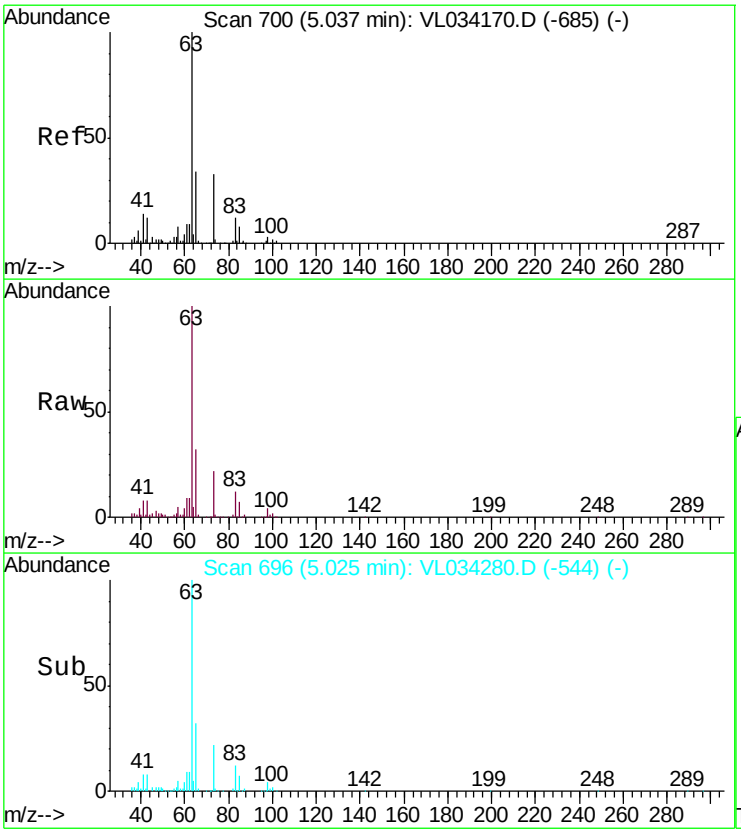
#23
Vinyl Acetate
Concen: 9.686 ppbv
RT: 5.09 min Scan# 716
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 43 Resp: 1950904

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.1	7.7
42	10.6	8.6	12.8
44	5.7	4.7	7.1

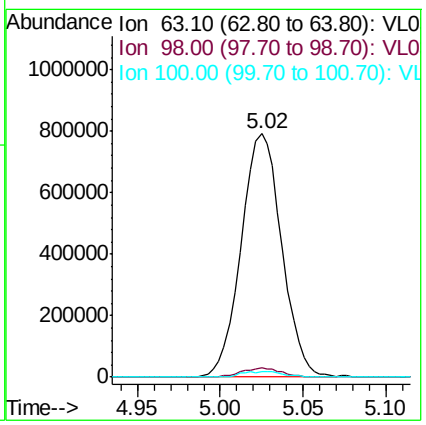


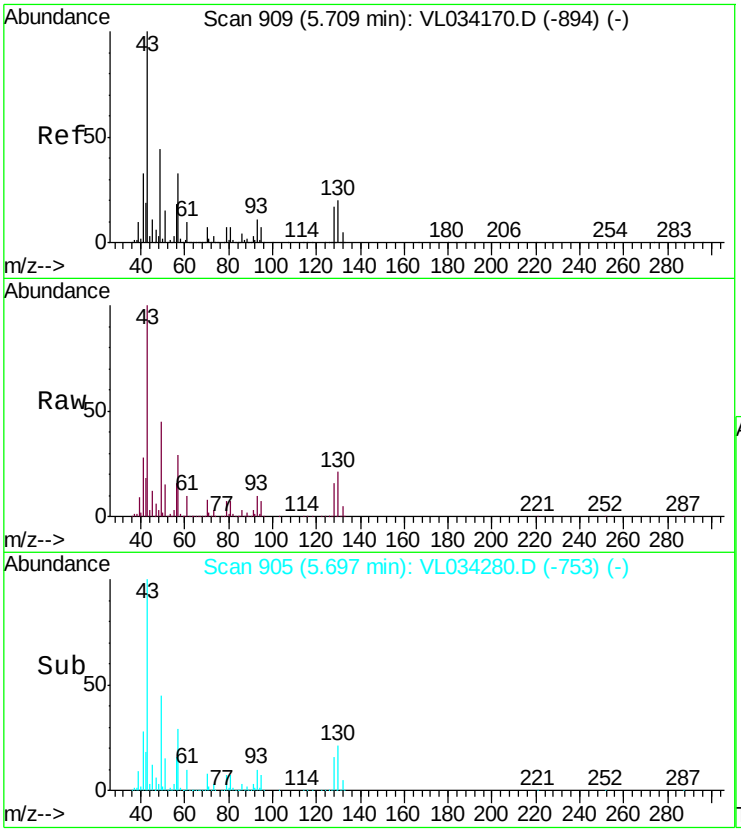


#24
1,1-Dichloroethane
Concen: 9.914 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 63 Resp: 1344523

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.3
100	2.3	1.0	3.0



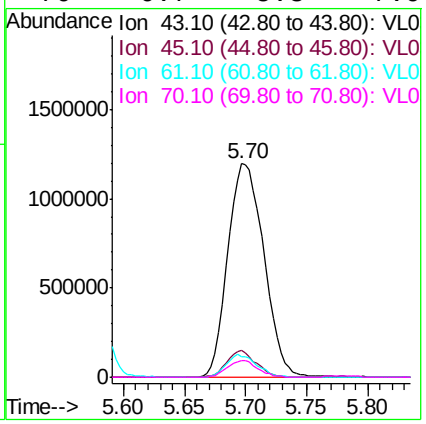


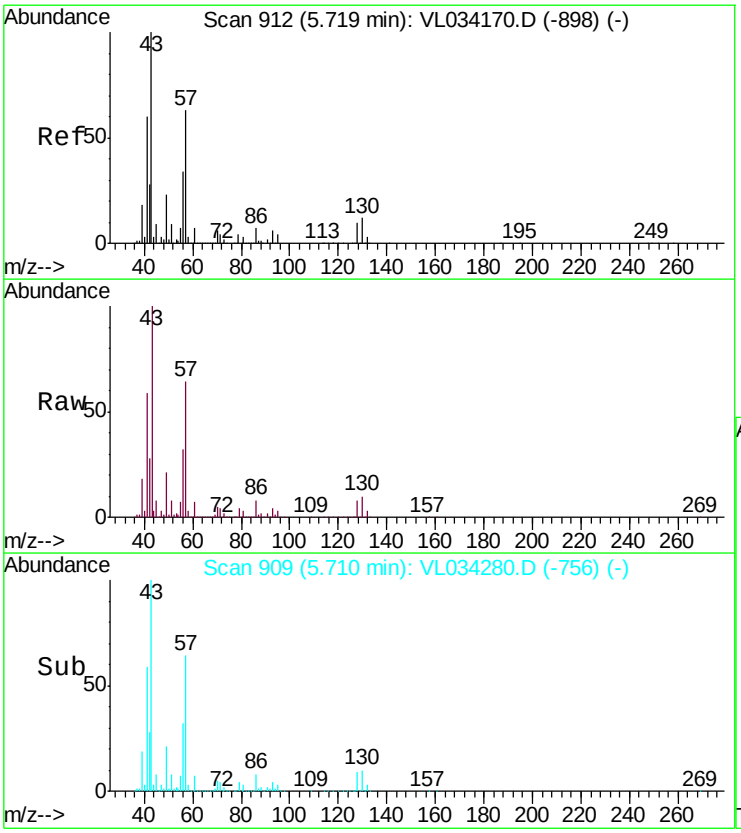
#25
Ethyl Acetate
Concen: 9.511 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 43 Resp: 2458228

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.1	7.2	10.8
70	6.7	5.3	7.9

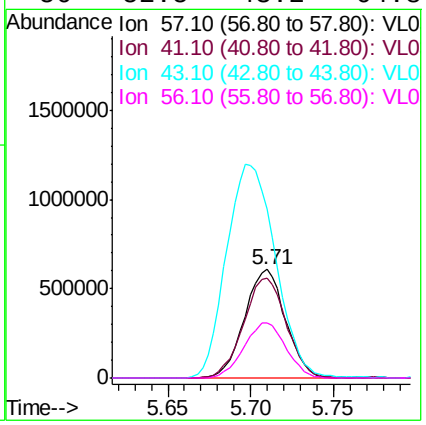


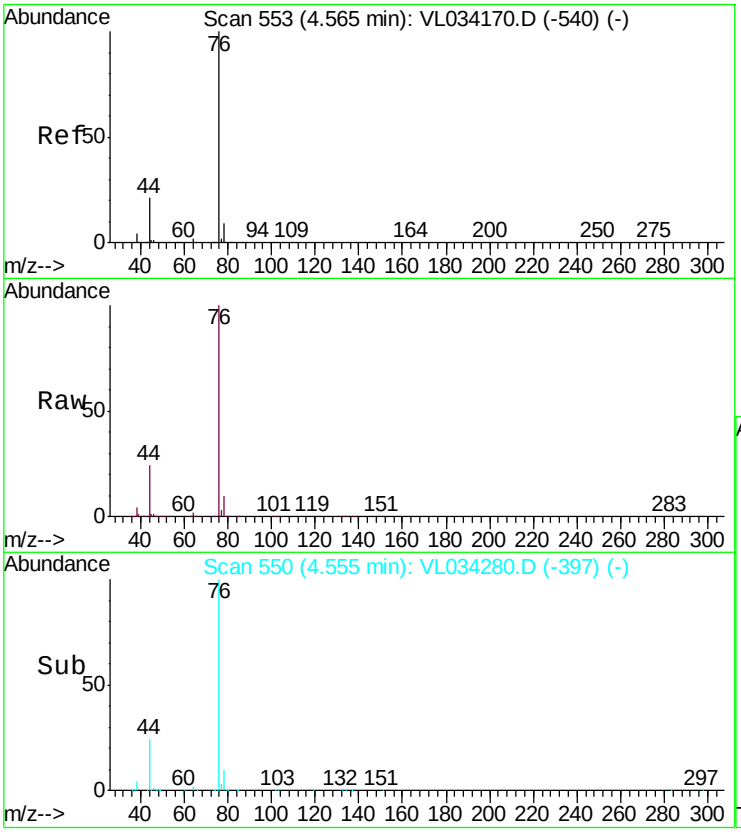


#26
Hexane
Concen: 9.668 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 57 Resp: 1039530

Ion	Ratio	Lower	Upper
57	100		
41	96.4	78.5	117.7
43	237.7	189.5	284.3
56	52.5	43.2	64.8



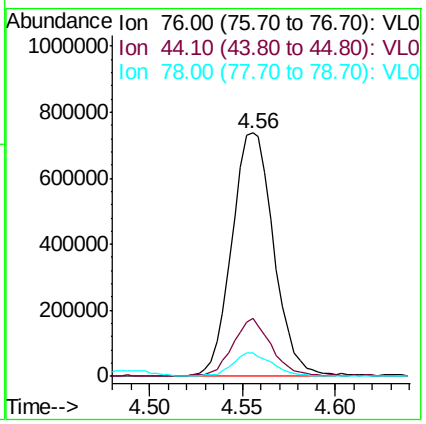


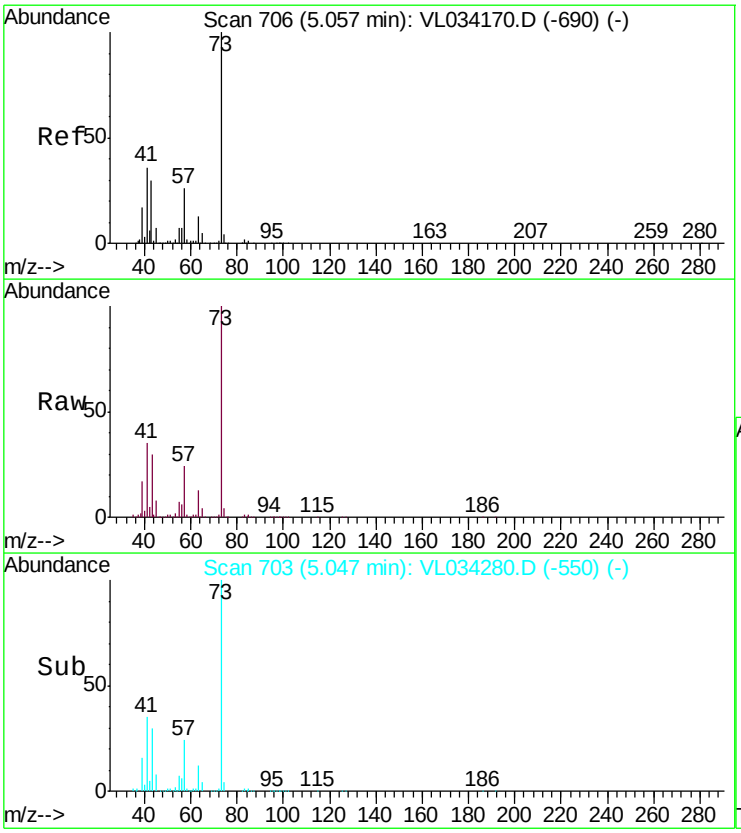
#27
Carbon Disulfide
Concen: 11.623 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 76 Resp: 1152573

Ion	Ratio	Lower	Upper
76	100		
44	21.6	17.6	26.4
78	9.1	7.6	11.4

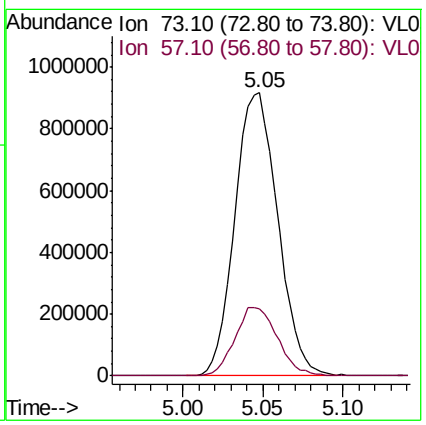


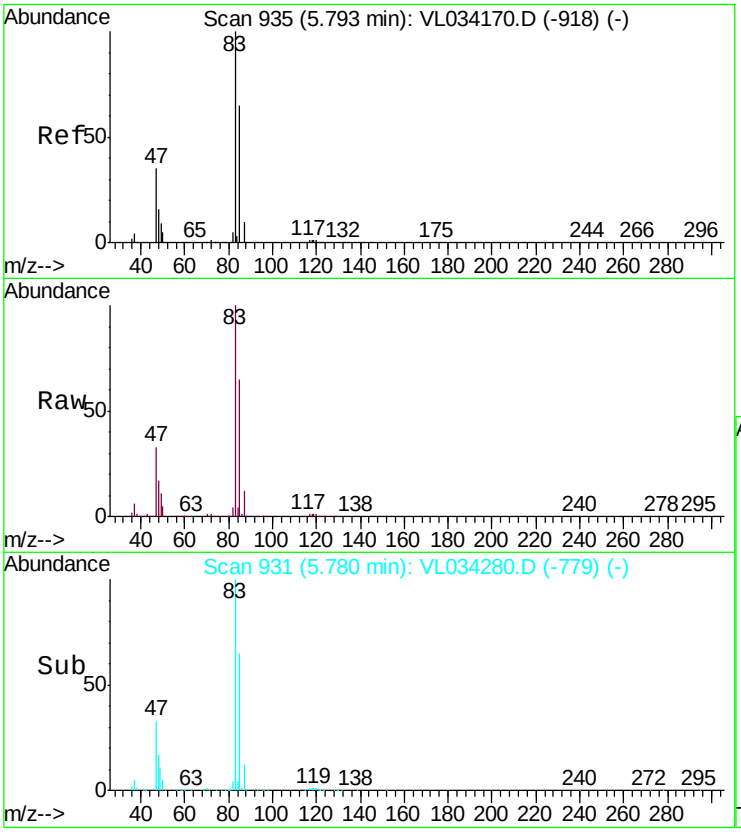


#28
Methyl tert-Butyl Ether
Concen: 10.514 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 73 Resp: 1679021

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.2	30.2



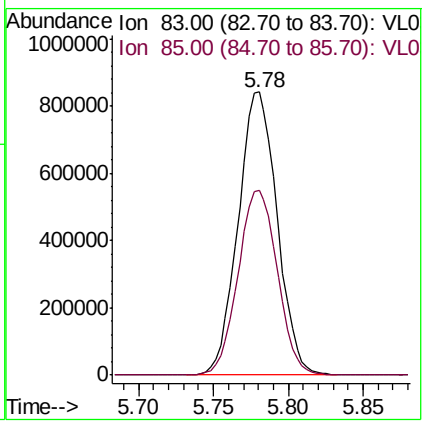


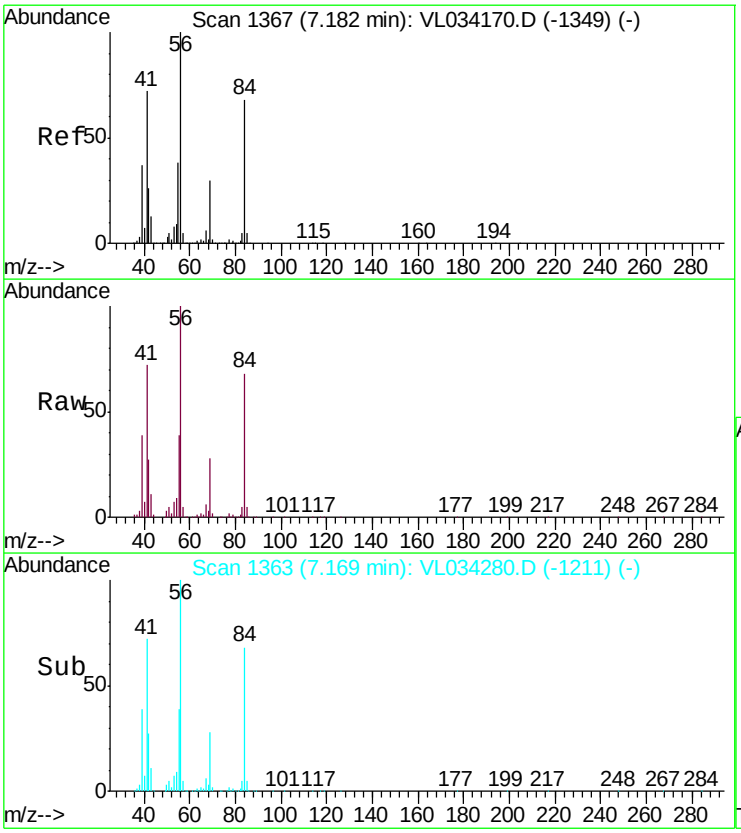
#29
Chloroform
Concen: 9.944 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 83 Resp: 1527893

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.3	78.5

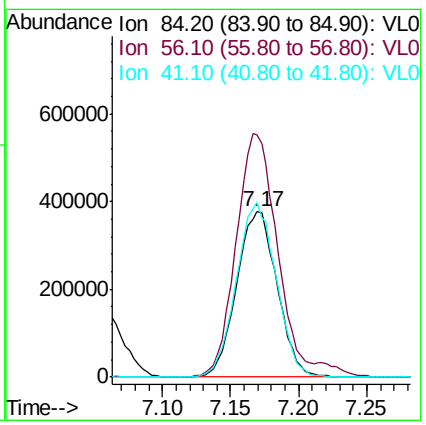


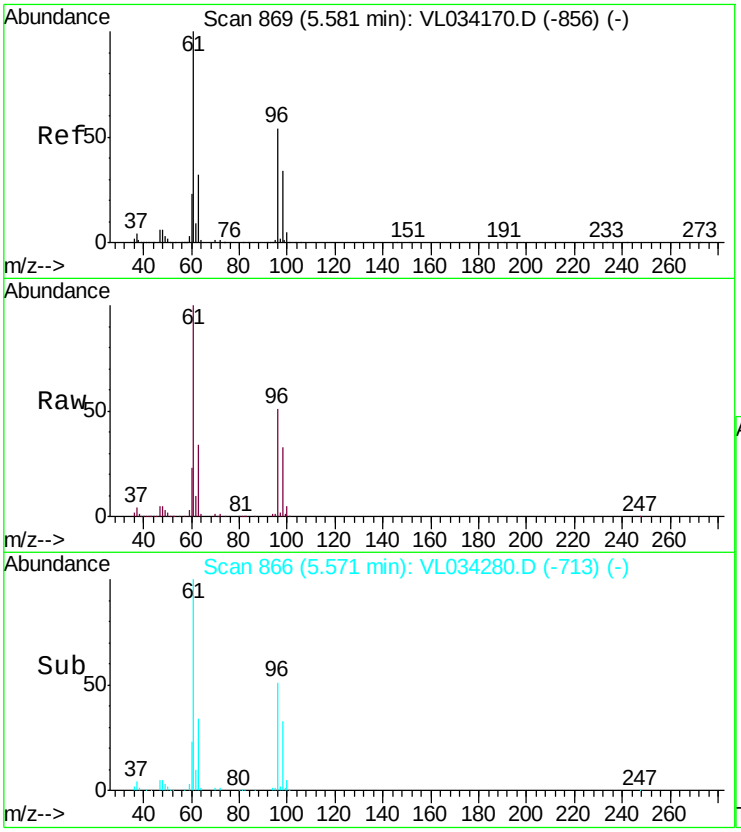


#30
Cyclohexane
Concen: 10.007 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 84 Resp: 776835

Ion	Ratio	Lower	Upper
84	100		
56	153.8	126.2	189.2
41	104.3	85.8	128.8



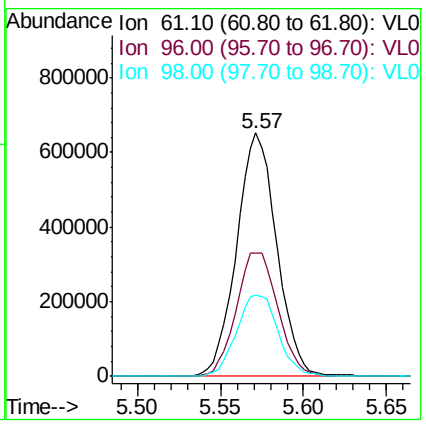


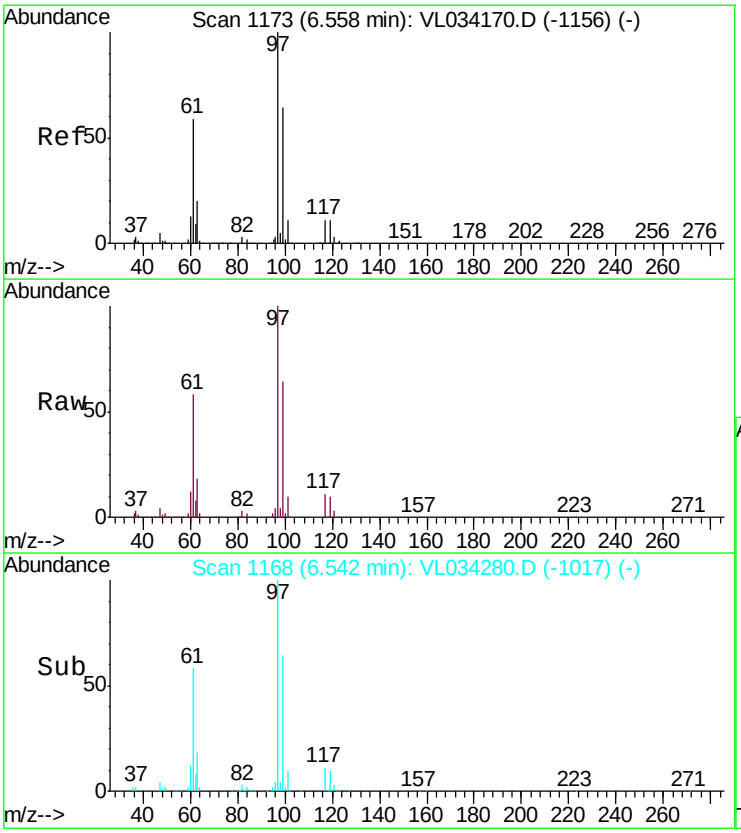
#31
cis-1,2-Dichloroethene
Concen: 9.982 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 61 Resp: 1094057

Ion	Ratio	Lower	Upper
61	100		
96	50.7	43.0	64.4
98	33.1	27.2	40.8

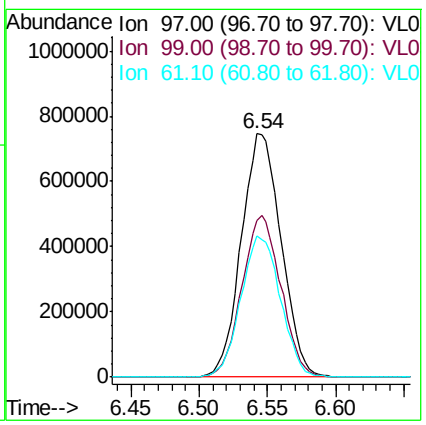


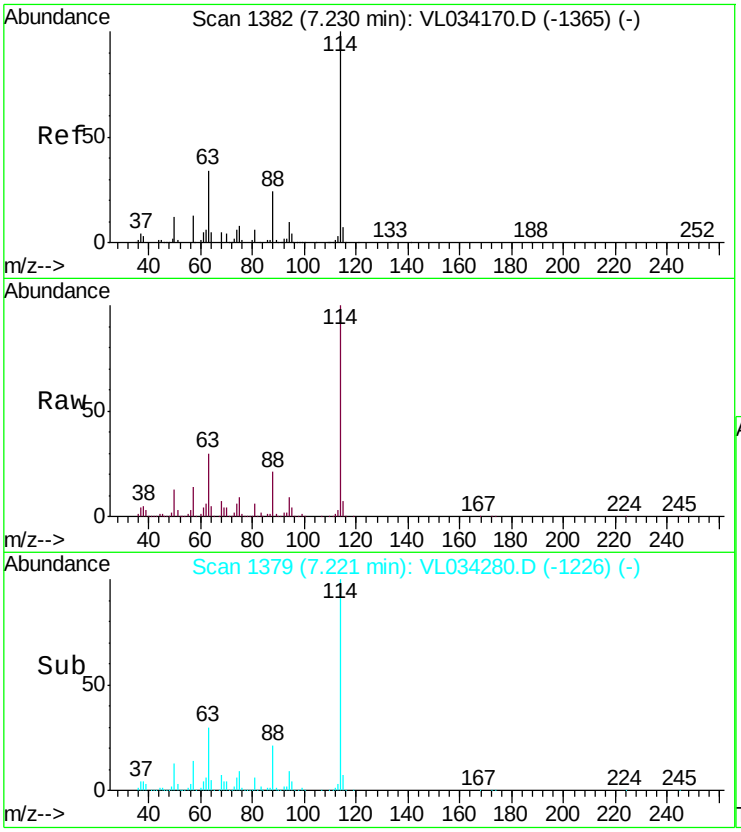


#32
1,1,1-Trichloroethane
Concen: 10.219 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 97 Resp: 1514249

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	57.8	48.4	72.6



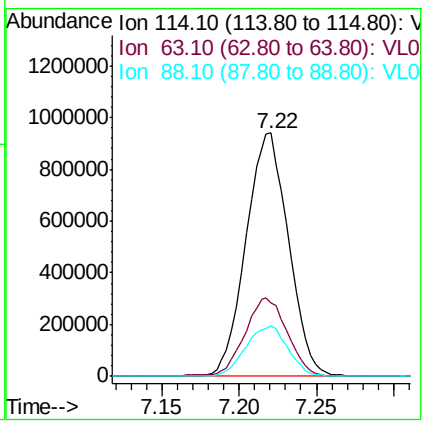


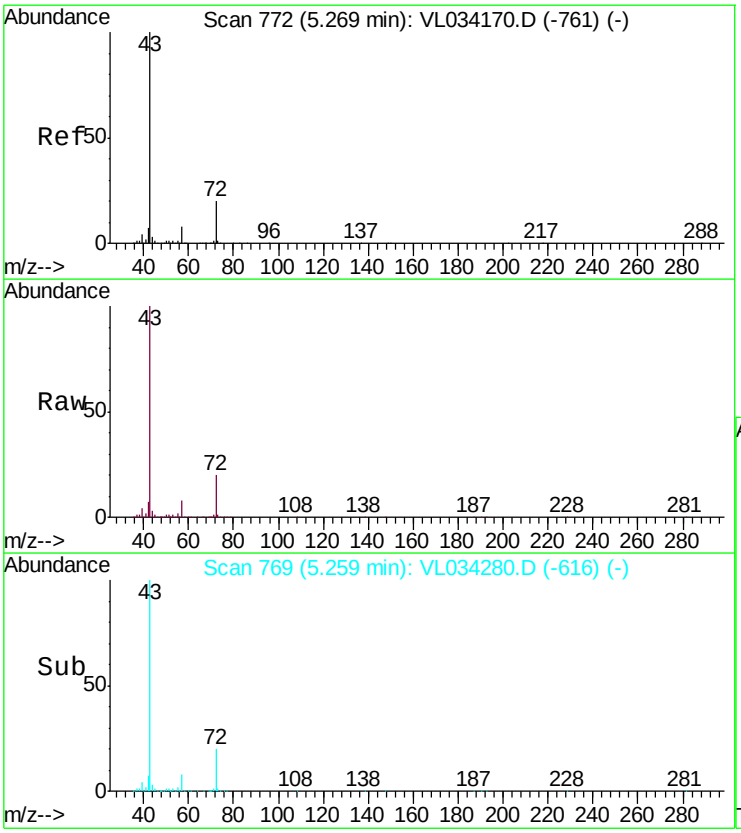
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:114 Resp: 1796758

Ion	Ratio	Lower	Upper
114	100		
63	32.6	27.8	41.6
88	20.8	17.1	25.7

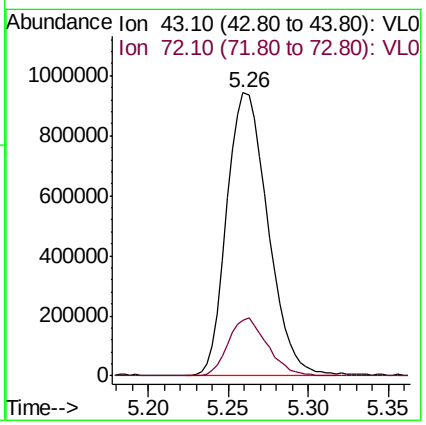


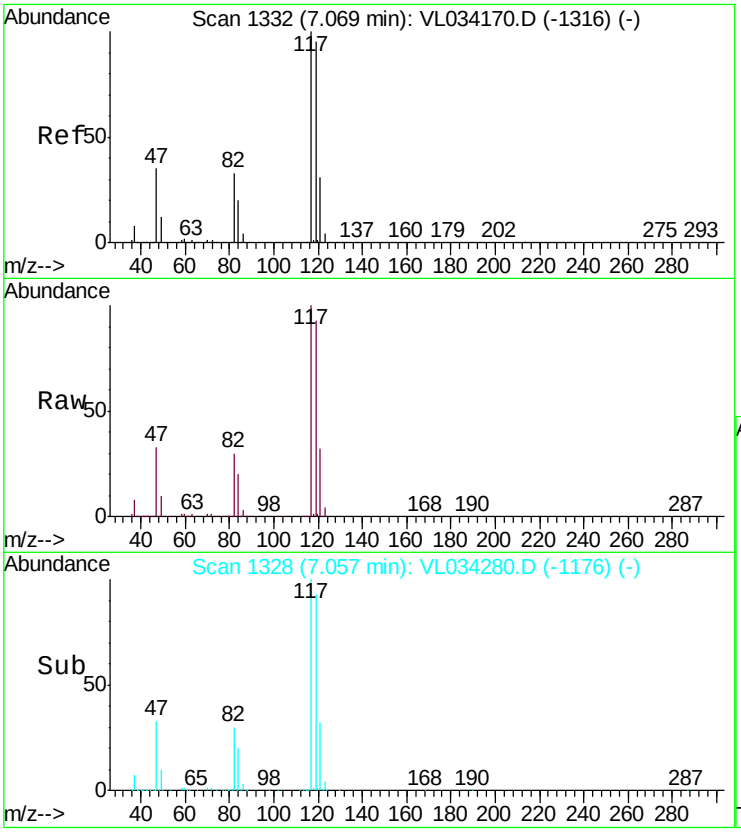


#34
2-Butanone
Concen: 9.018 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 43 Resp: 1654417

Ion	Ratio	Lower	Upper
43	100		
72	19.3	15.0	22.6



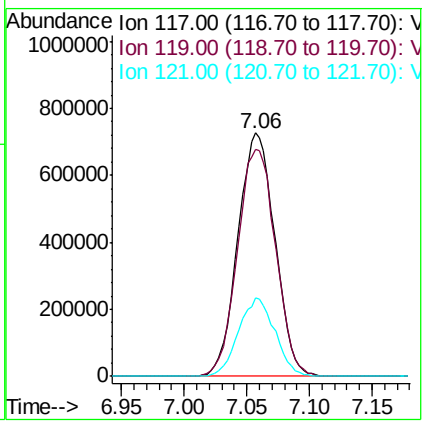


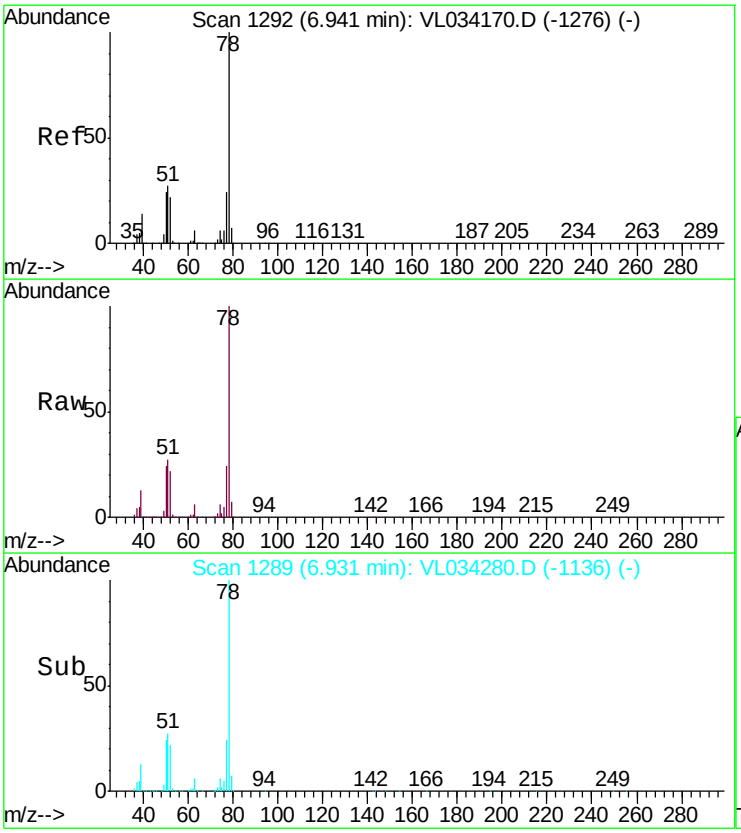
#35
Carbon Tetrachloride
Concen: 9.998 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:117 Resp: 1492439

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.8	113.6
121	32.1	25.0	37.6

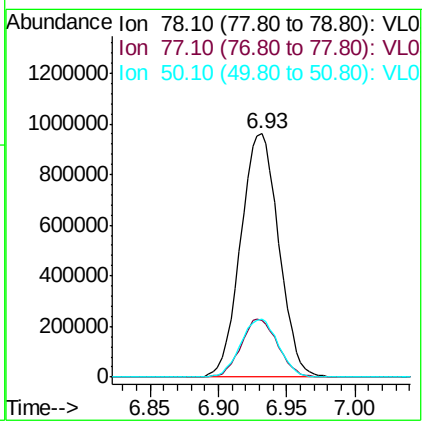


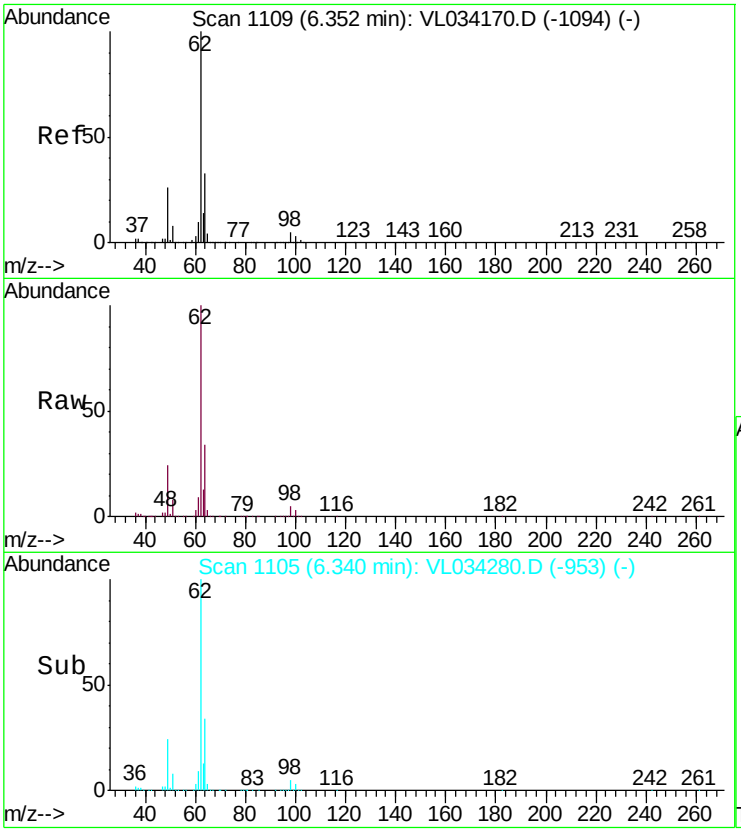


#36
Benzene
Concen: 9.399 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 78 Resp: 1865072

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4
50	24.1	18.9	28.3



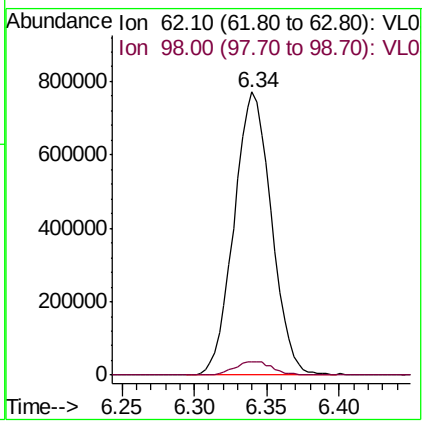


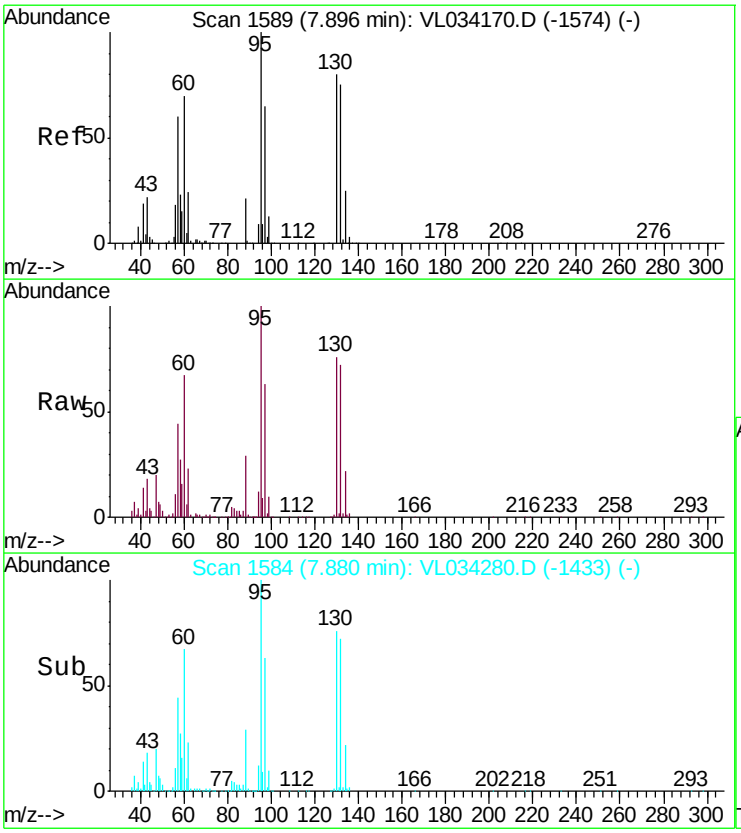
#37
1,2-Dichloroethane
Concen: 9.790 ppbv
RT: 6.34 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 62 Resp: 1381775

Ion	Ratio	Lower	Upper
62	100		
98	4.9	3.8	5.8

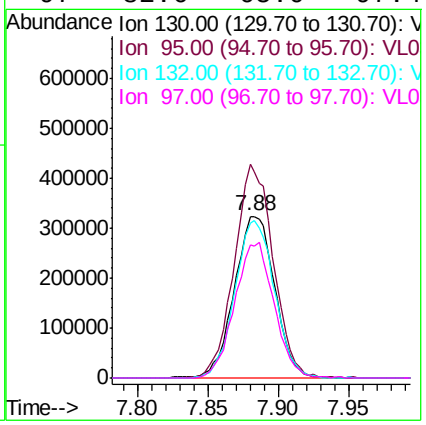


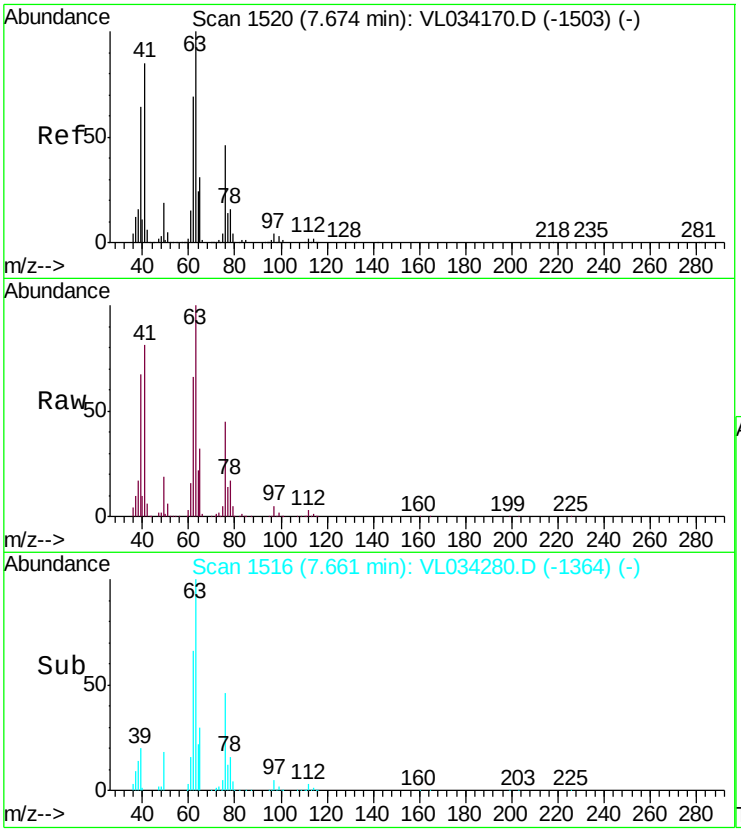


#38
Trichloroethene
Concen: 9.146 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:130 Resp: 648491

Ion	Ratio	Lower	Upper
130	100		
95	131.9	99.8	149.6
132	95.4	75.2	112.8
97	82.6	65.0	97.4



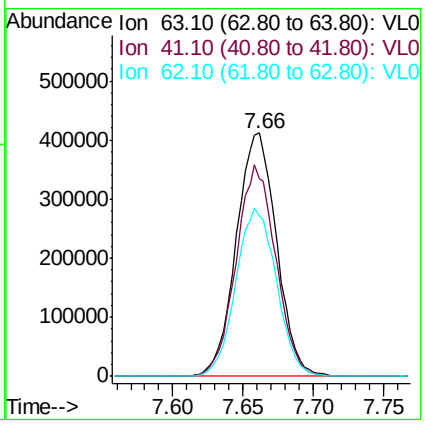


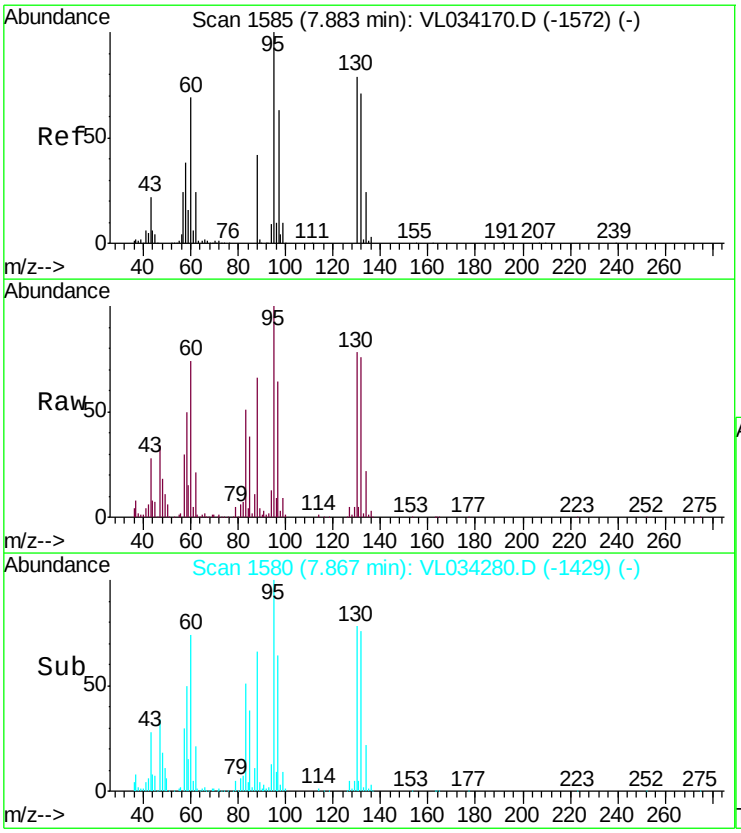
#39
1,2-Dichloropropane
Concen: 9.236 ppbv
RT: 7.66 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 63 Resp: 823461

Ion	Ratio	Lower	Upper
63	100		
41	81.1	68.4	102.6
62	65.8	55.4	83.2

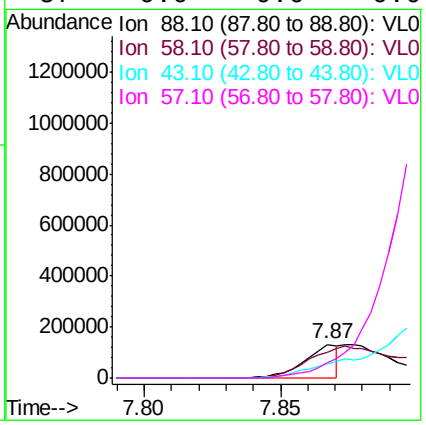


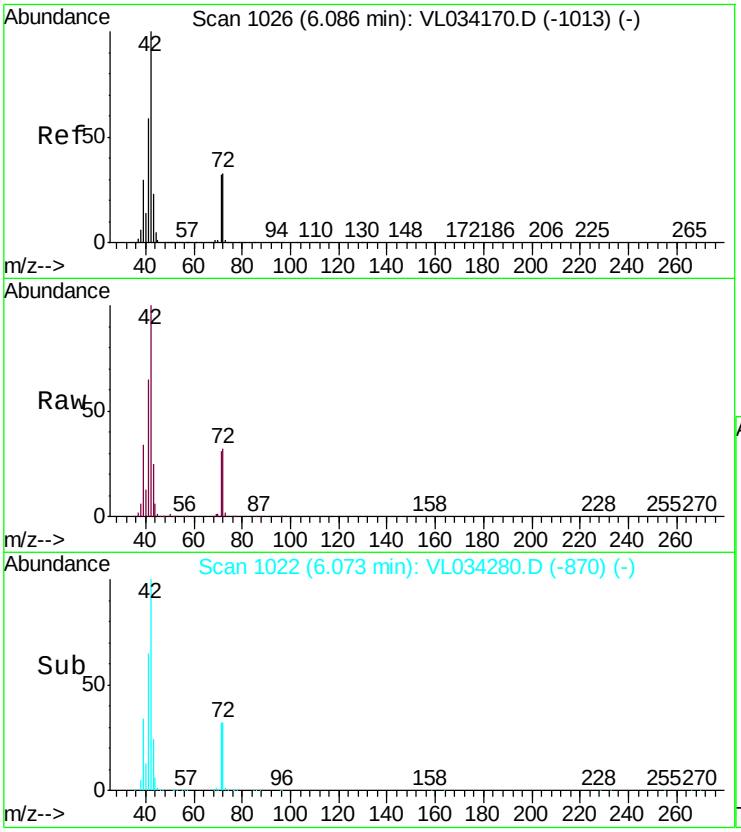


#40
1,4-Dioxane
Concen: 3.884 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 88 Resp: 112064

Ion	Ratio	Lower	Upper
88	100		
58	0.0	131.8	197.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



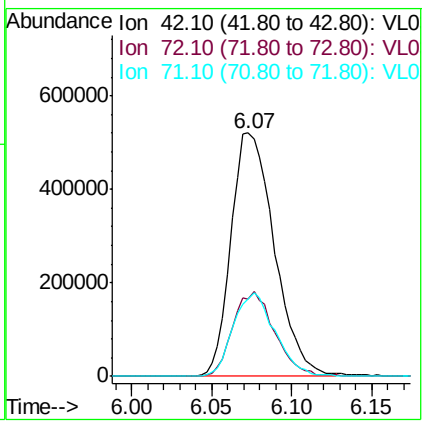


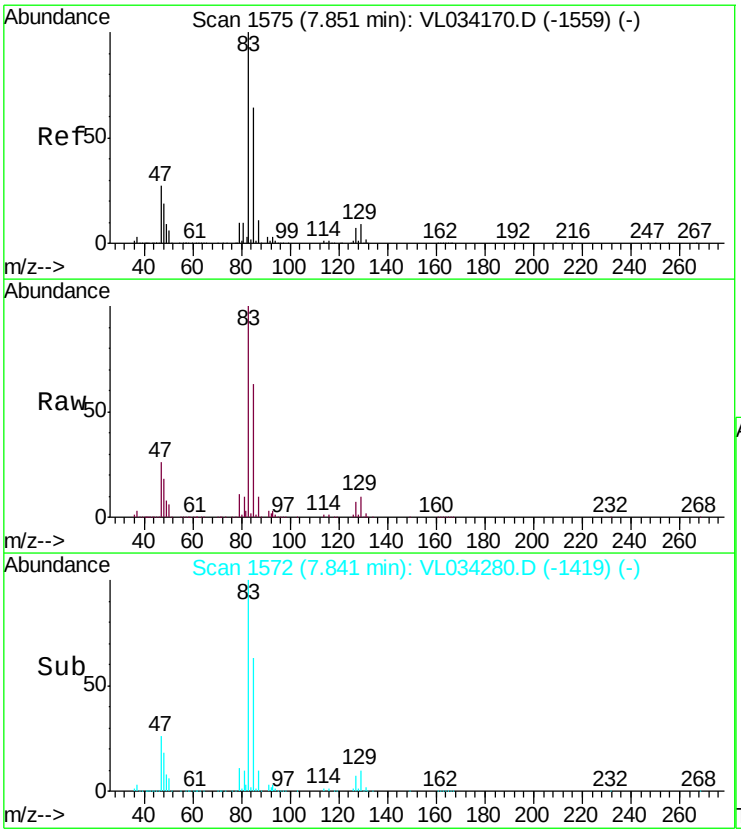
#41
Tetrahydrofuran
Concen: 9.315 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 42 Resp: 962527

Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.6	40.0
71	33.4	25.1	37.7

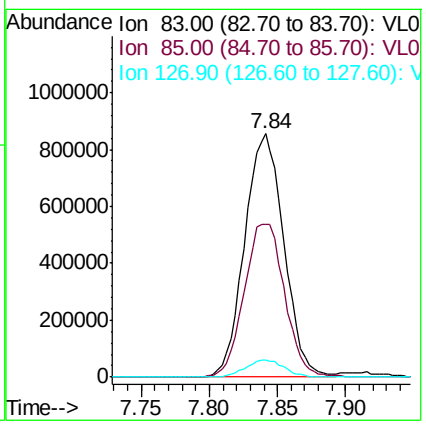


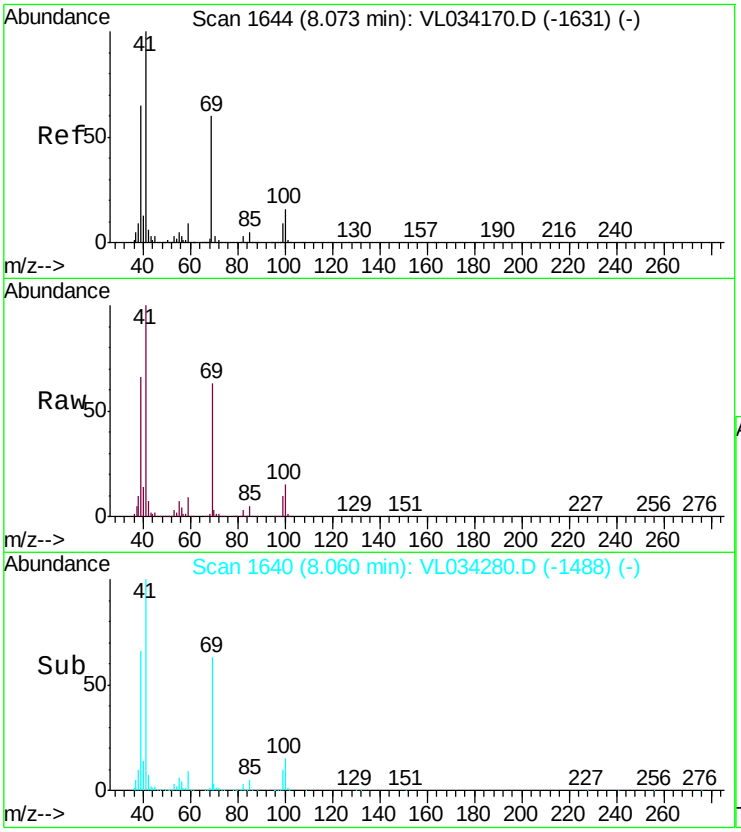


#42
Bromodichloromethane
Concen: 10.068 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 83 Resp: 1705386

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	7.1	5.5	8.3



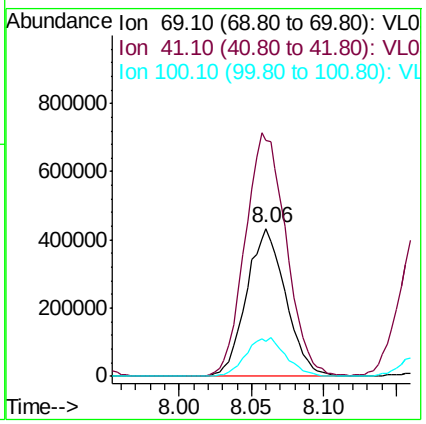


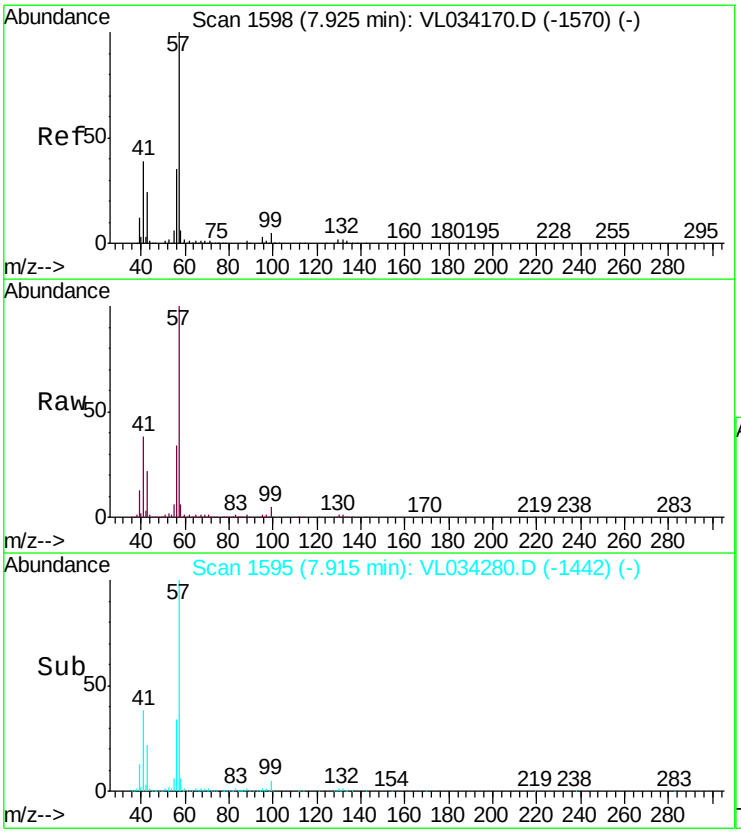
#43
Methyl Methacrylate
Concen: 9.963 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 69 Resp: 816709

Ion	Ratio	Lower	Upper
69	100		
41	171.9	140.4	210.6
100	26.5	21.9	32.9

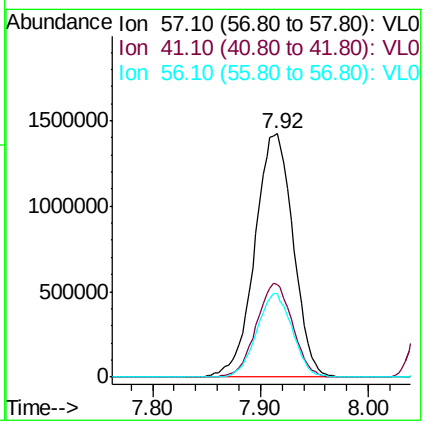


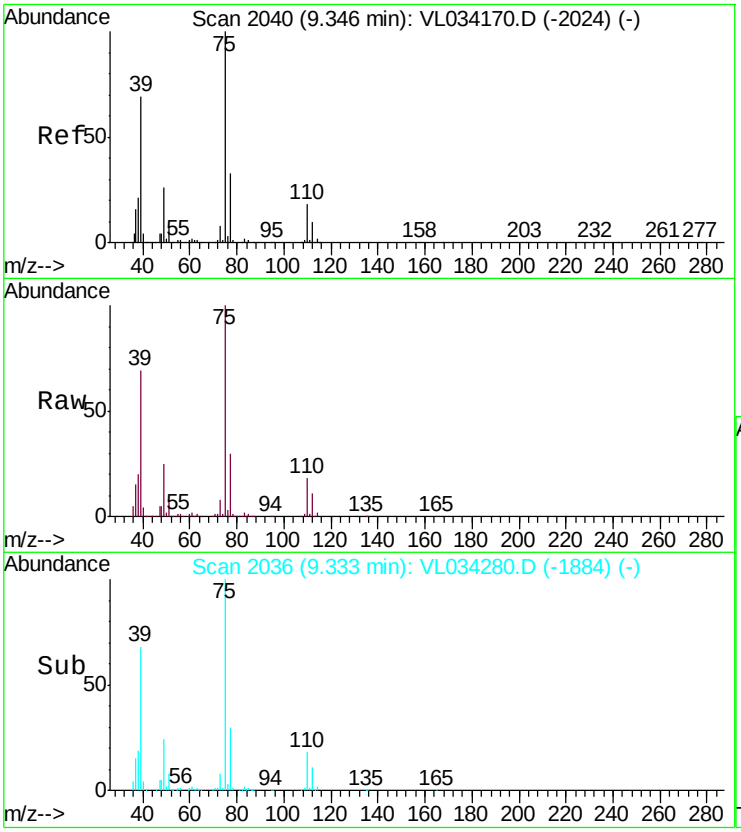


#44
2,2,4-Trimethylpentane
Concen: 9.174 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 57 Resp: 3504670

Ion	Ratio	Lower	Upper
57	100		
41	36.3	29.8	44.6
56	31.9	25.9	38.9



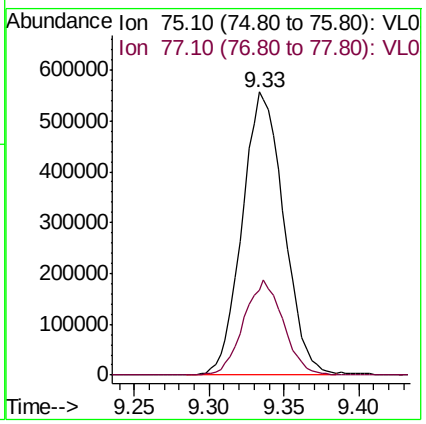


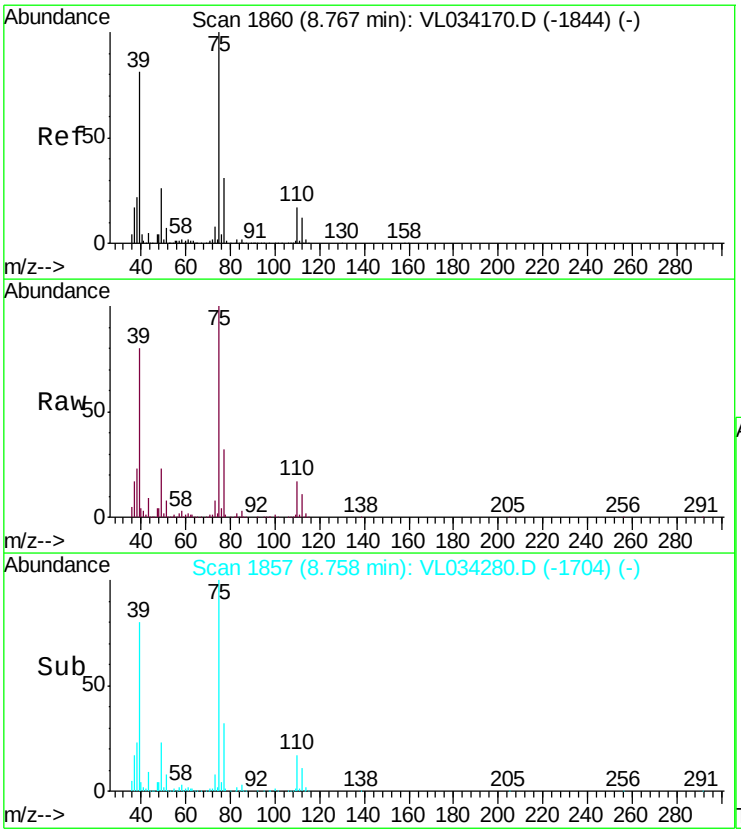
#45
t-1,3-Dichloropropene
Concen: 11.125 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 75 Resp: 1078306

Ion	Ratio	Lower	Upper
75	100		
77	30.0	26.2	39.2

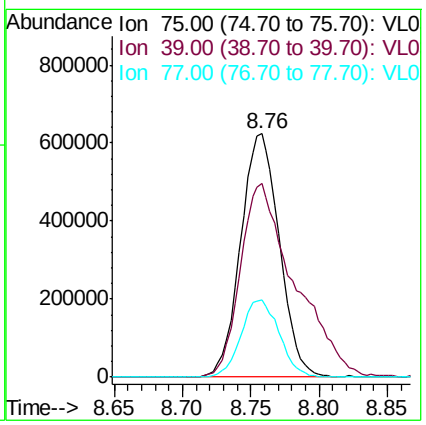


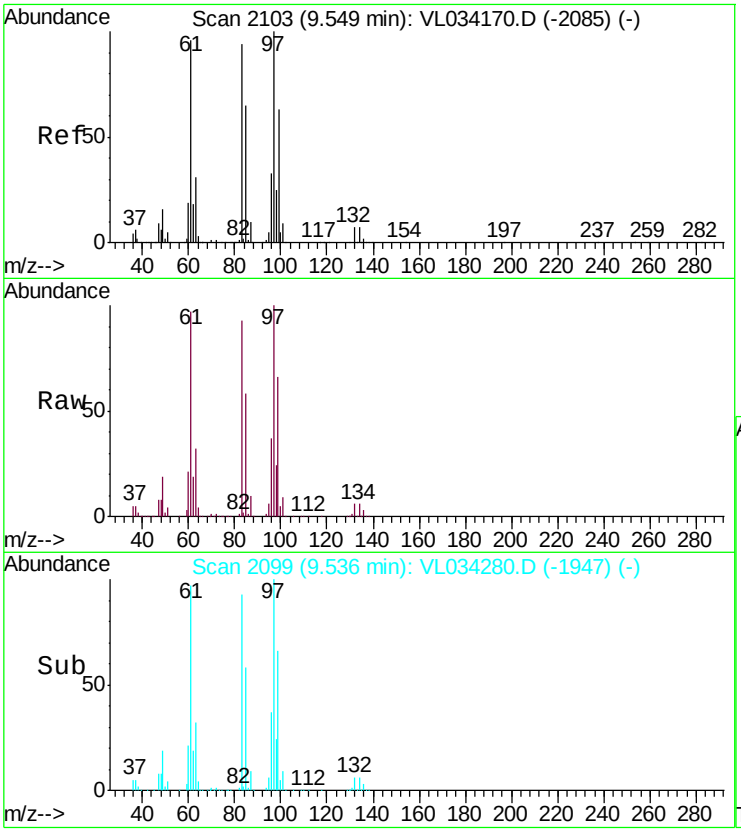


#46
cis-1,3-Dichloropropene
Concen: 10.492 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 75 Resp: 1223297

Ion	Ratio	Lower	Upper
75	100		
39	79.7	65.0	97.4
77	31.8	24.5	36.7



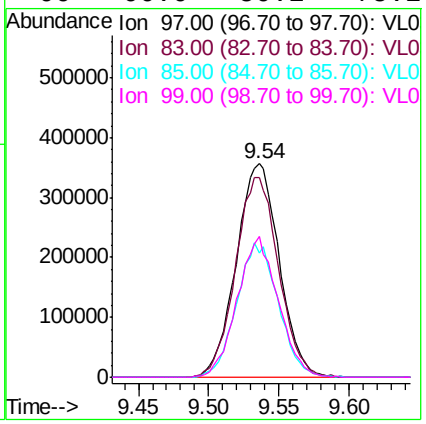


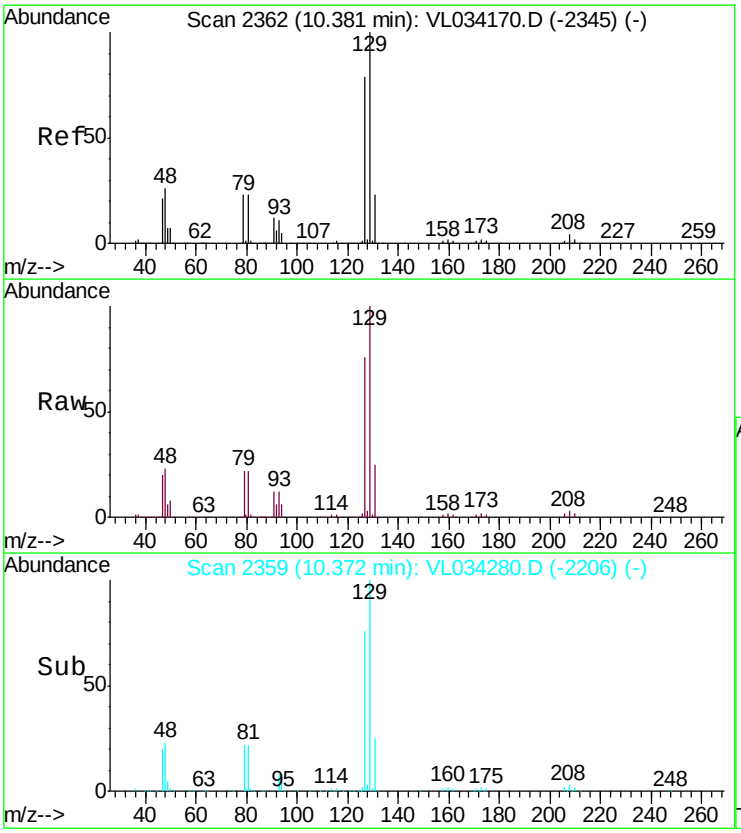
#47
1,1,2-Trichloroethane
Concen: 9.474 ppbv
RT: 9.54 min Scan# 2099
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 97 Resp: 758490

Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	58.4	52.1	78.1
99	66.0	50.2	75.2

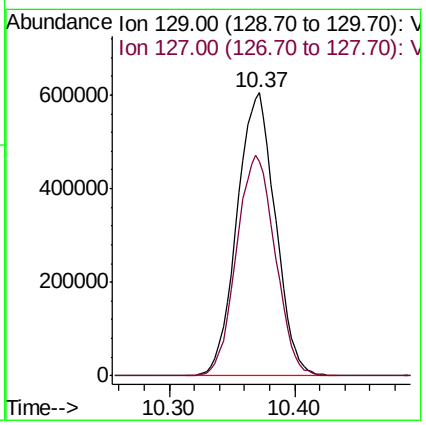


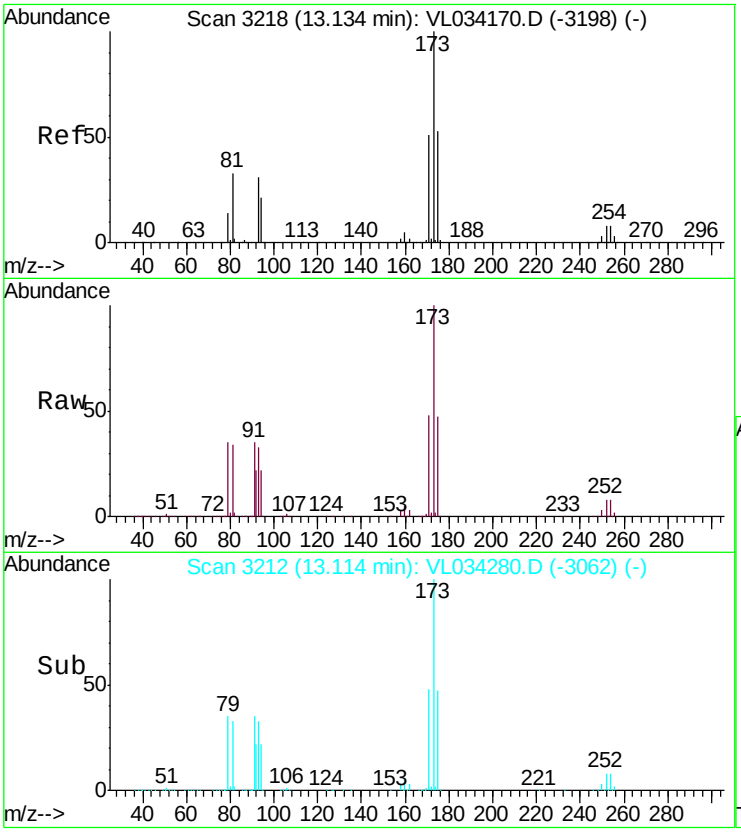


#48
Dibromochloromethane
Concen: 10.130 ppbv
RT: 10.37 min Scan# 2359
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:129 Resp: 1285428

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.2	117.6



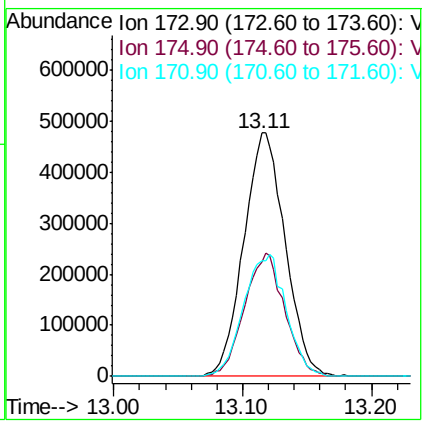


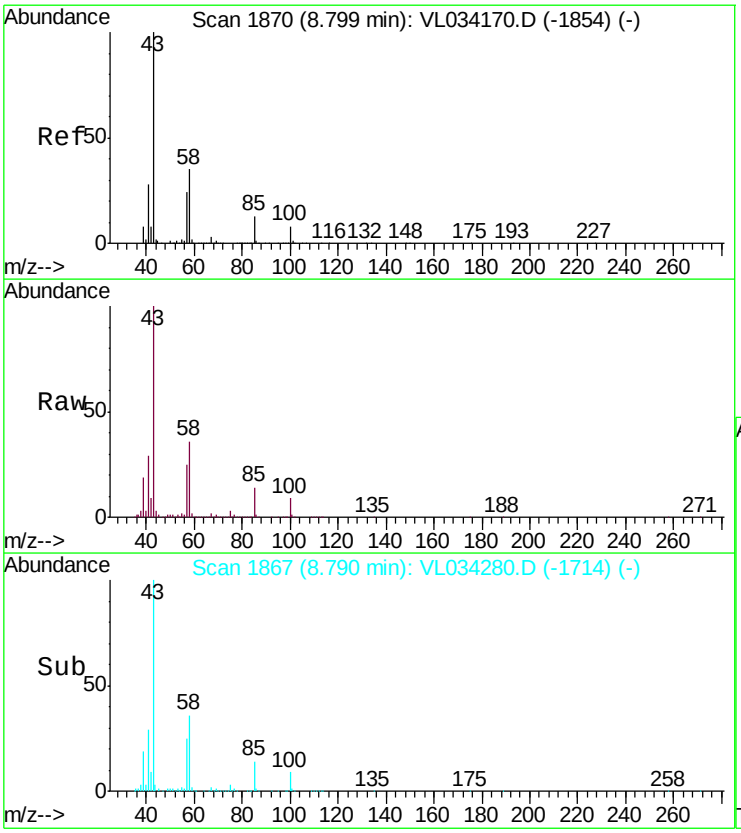
#49
Bromoform
Concen: 10.391 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:173 Resp: 1067042

Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.3	60.5
171	51.4	42.0	63.0

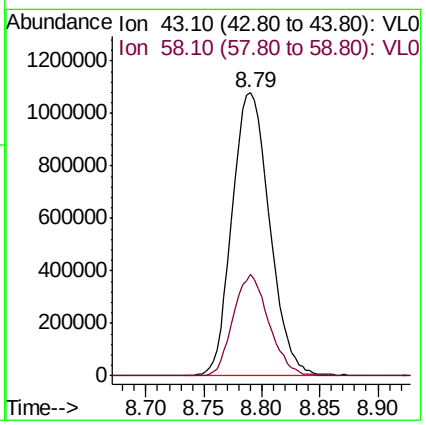


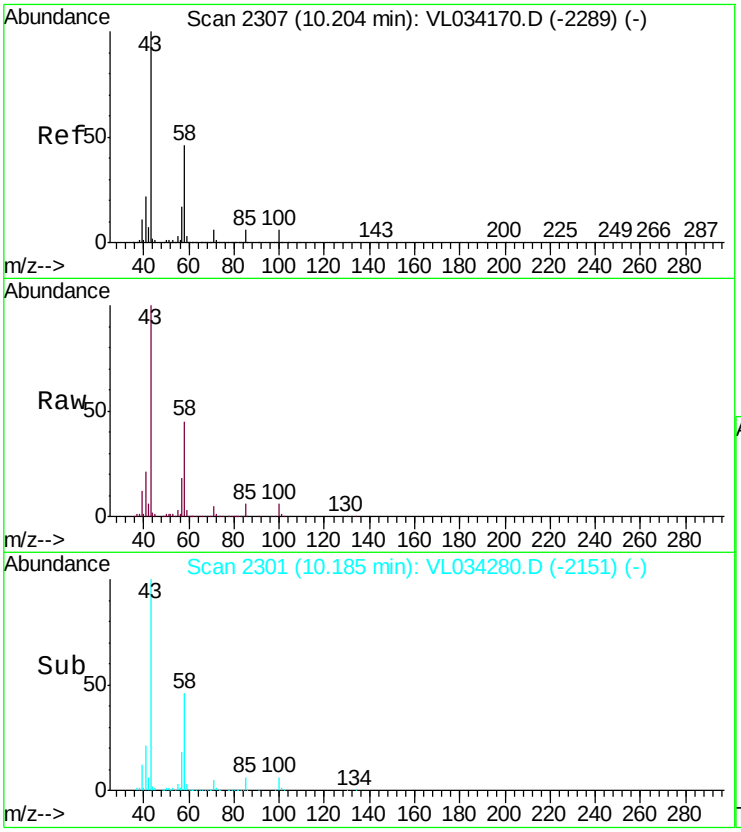


#50
4-Methyl-2-Pentanone
Concen: 9.107 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 43 Resp: 2431651

Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.6	41.4



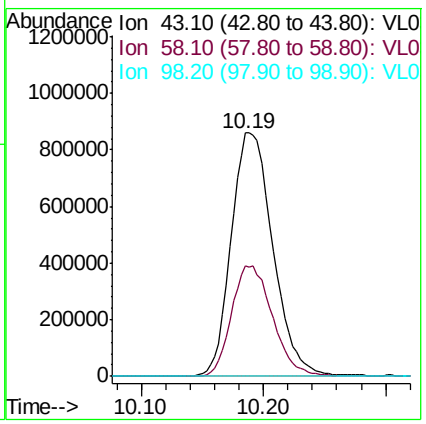


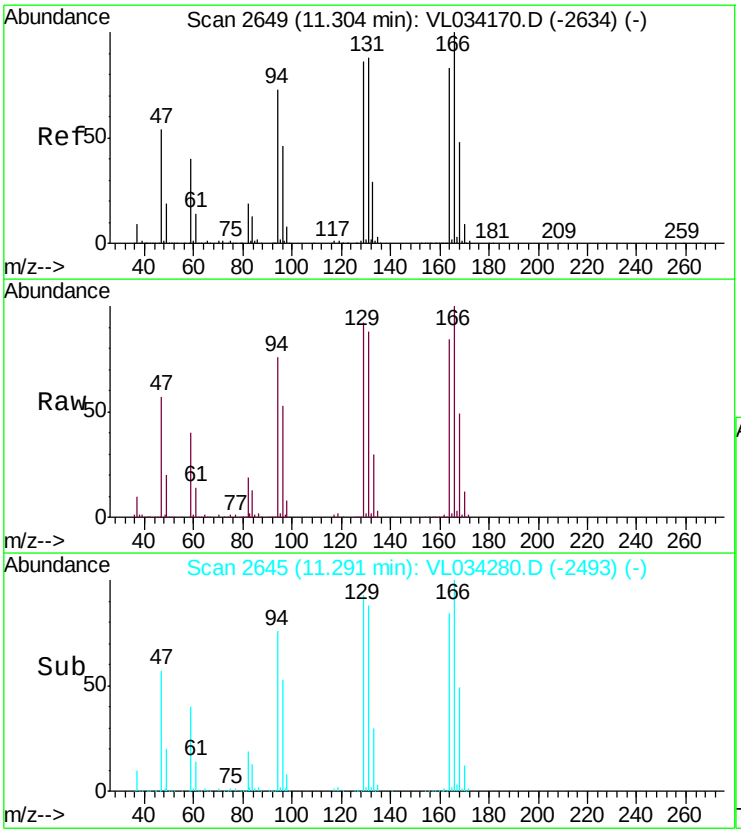
#51
2-Hexanone
Concen: 9.061 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 43 Resp: 2030359

Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.2	54.4
98	0.2	0.2	0.2

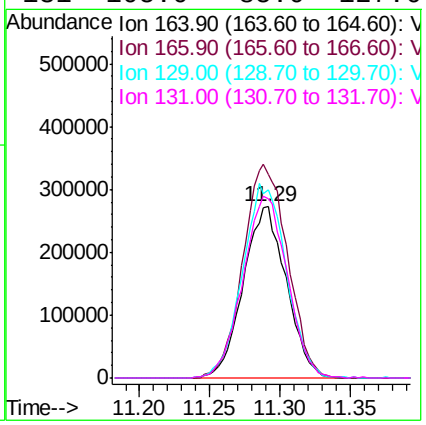


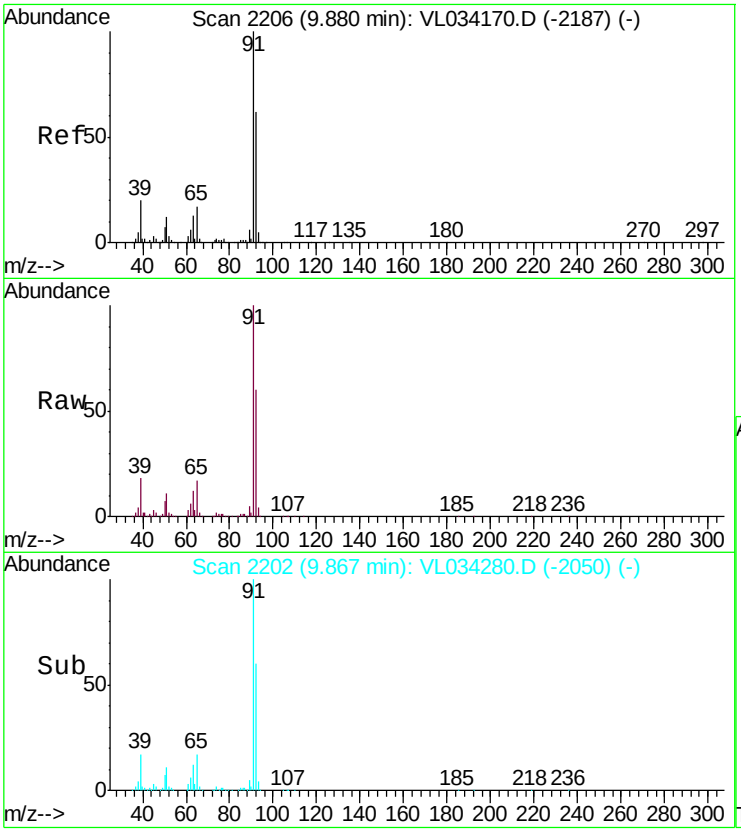


#52
Tetrachloroethene
Concen: 8.863 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:164 Resp: 581065

Ion	Ratio	Lower	Upper
164	100		
166	118.7	96.7	145.1
129	109.8	82.8	124.2
131	105.0	85.0	127.6



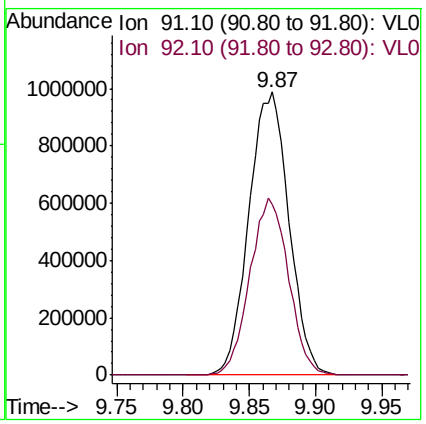


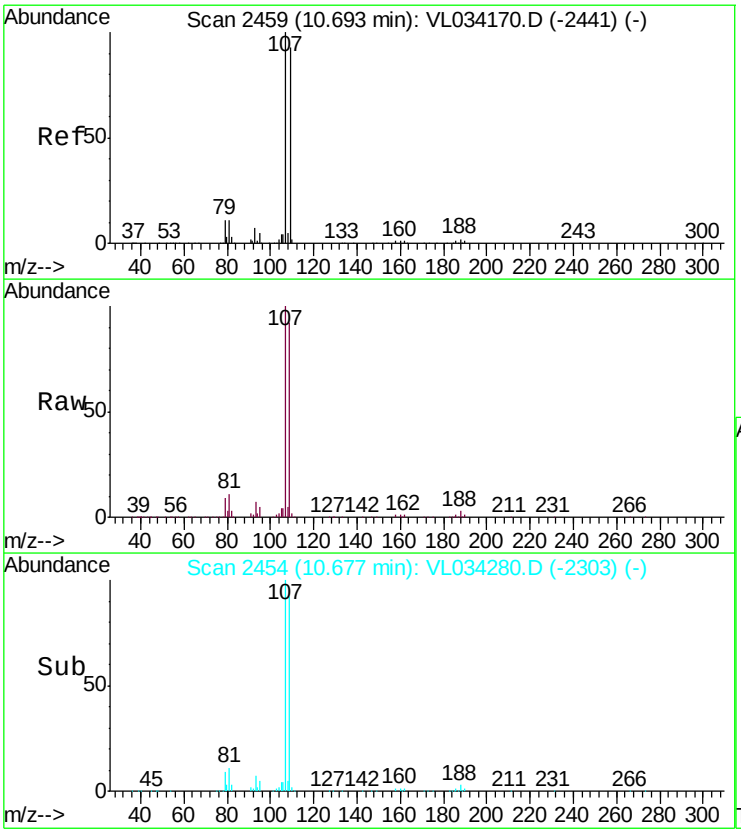
#53
Toluene
Concen: 9.578 ppbv
RT: 9.87 min Scan# 2202
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 91 Resp: 2077287

Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.0	73.6

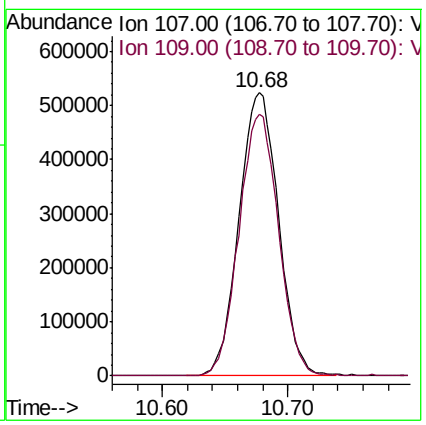


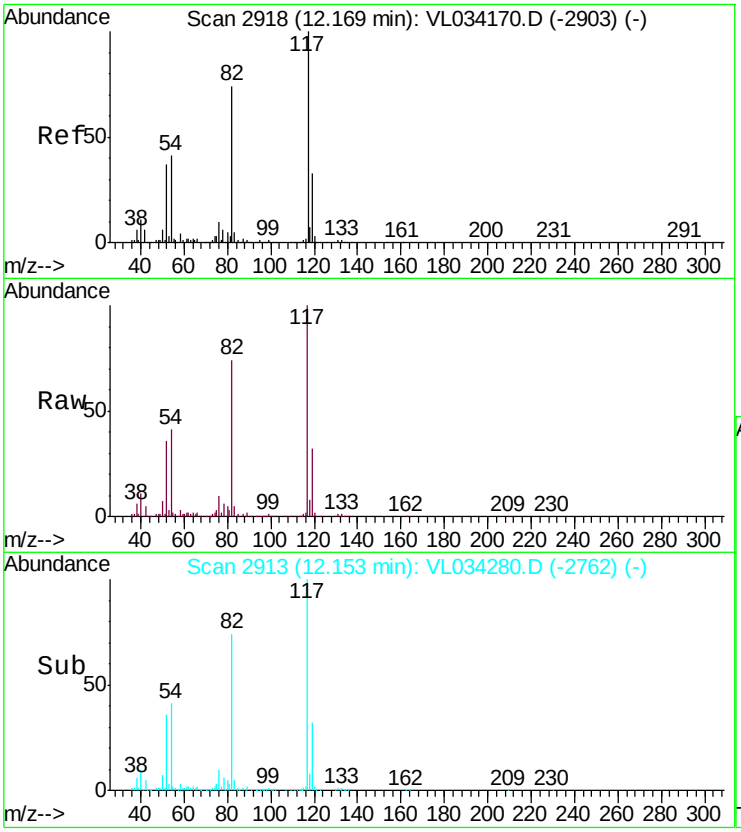


#54
1,2-Dibromoethane
Concen: 9.619 ppbv
RT: 10.68 min Scan# 2454
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:107 Resp: 1145320

Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.5	111.7



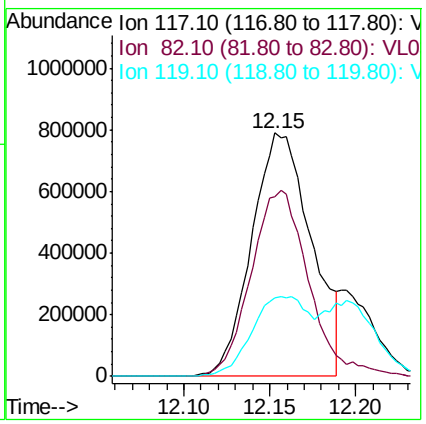


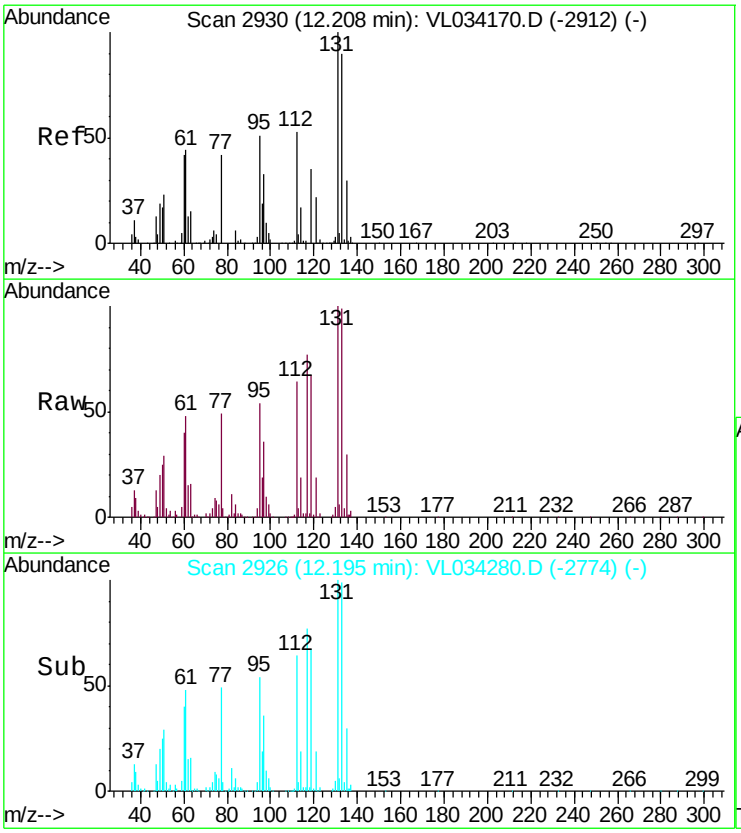
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:117 Resp: 1905278

Ion	Ratio	Lower	Upper
117	100		
82	74.0	58.2	87.4
119	31.0	23.7	35.5

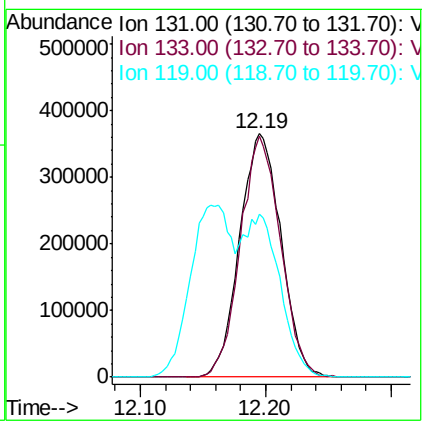


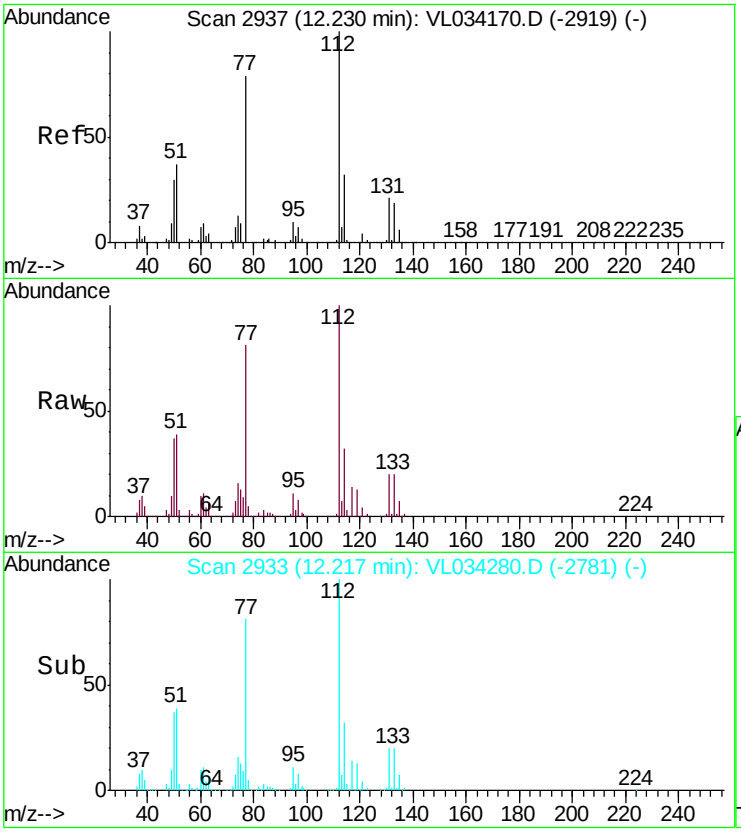


#56
1,1,1,2-Tetrachloroethane
Concen: 9.866 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:131 Resp: 838282

Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.1	112.7
119	62.5	47.4	71.0



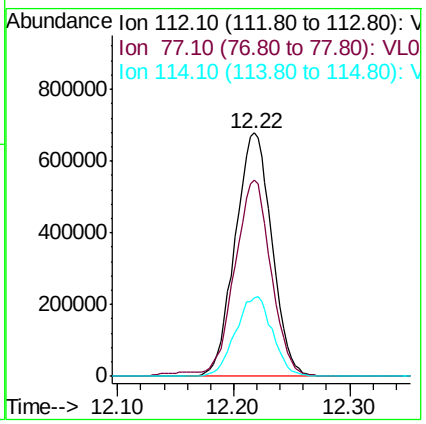


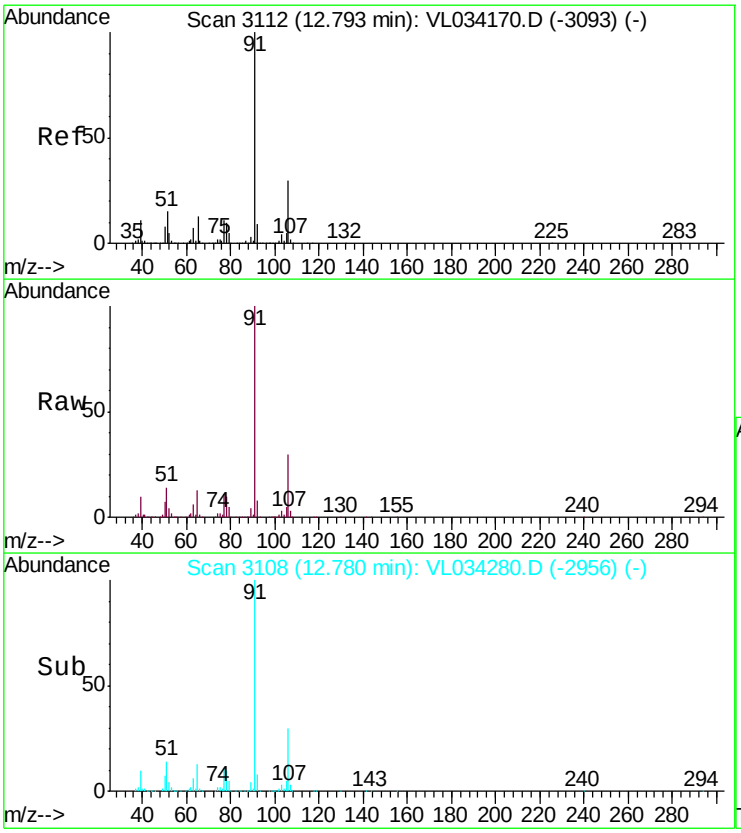
#57
Chlorobenzene
Concen: 8.957 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:112 Resp: 1485862

Ion	Ratio	Lower	Upper
112	100		
77	80.7	64.3	96.5
114	32.2	28.9	35.3

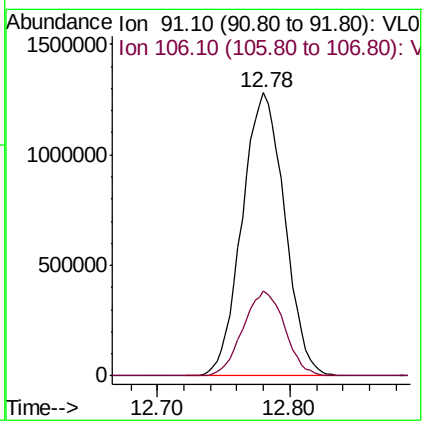


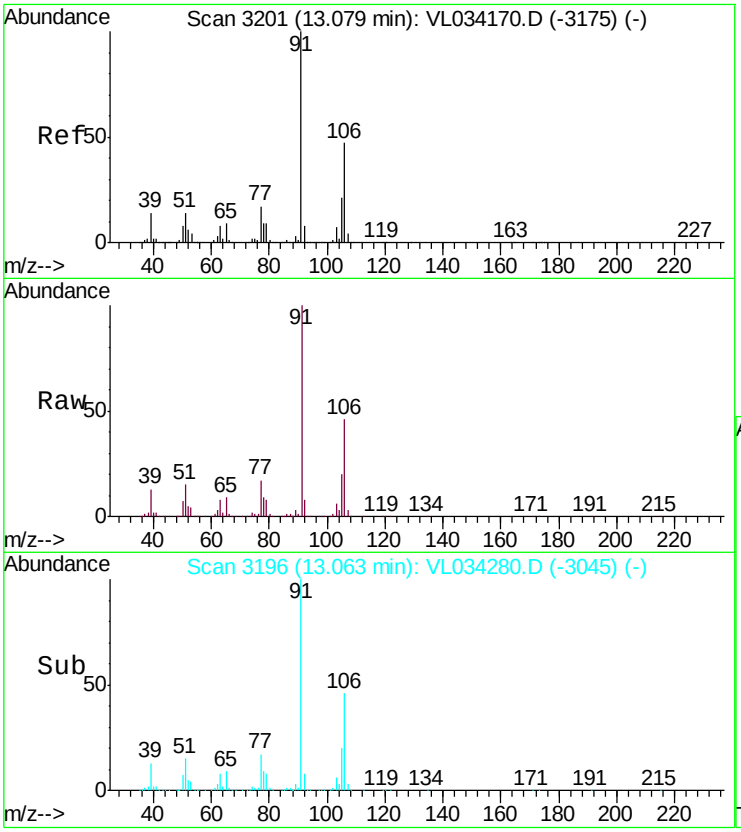


#58
Ethyl Benzene
Concen: 9.295 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 91 Resp: 2857657

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4



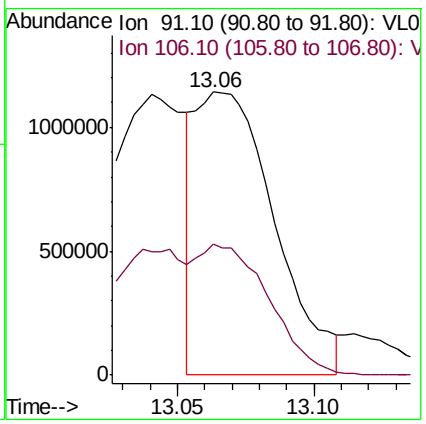


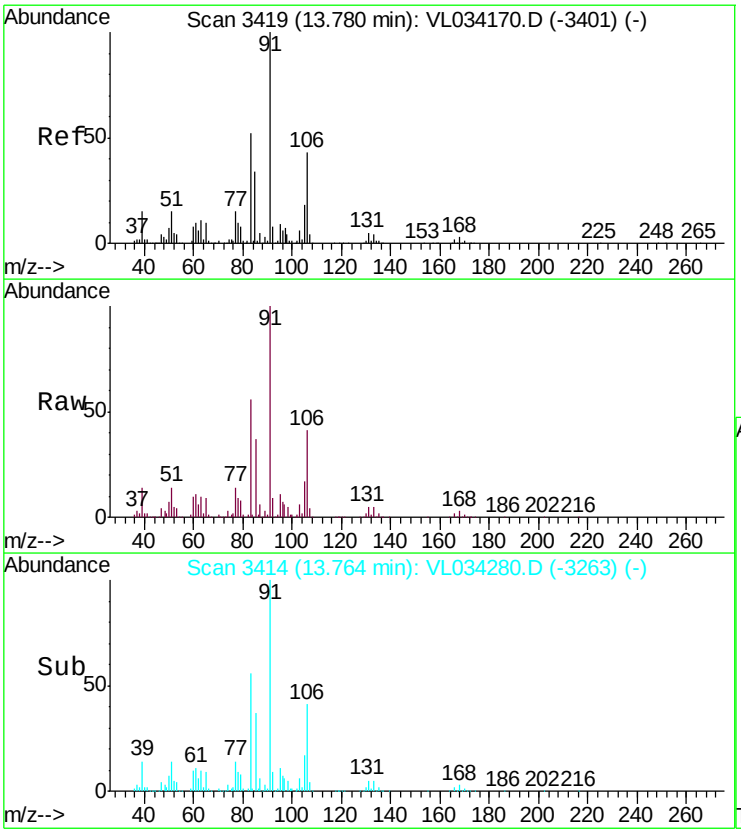
#59
m/p-Xylene
Concen: 8.984 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 91 Resp: 2287553

Ion	Ratio	Lower	Upper
91	100		
106	88.6	35.5	53.3#

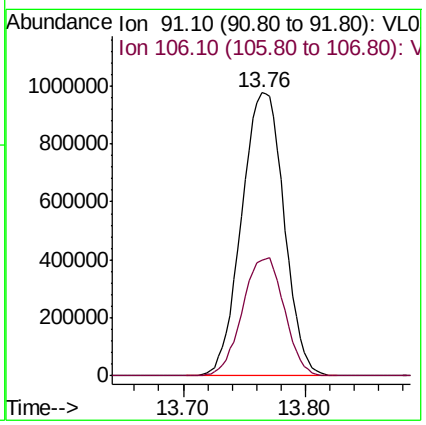


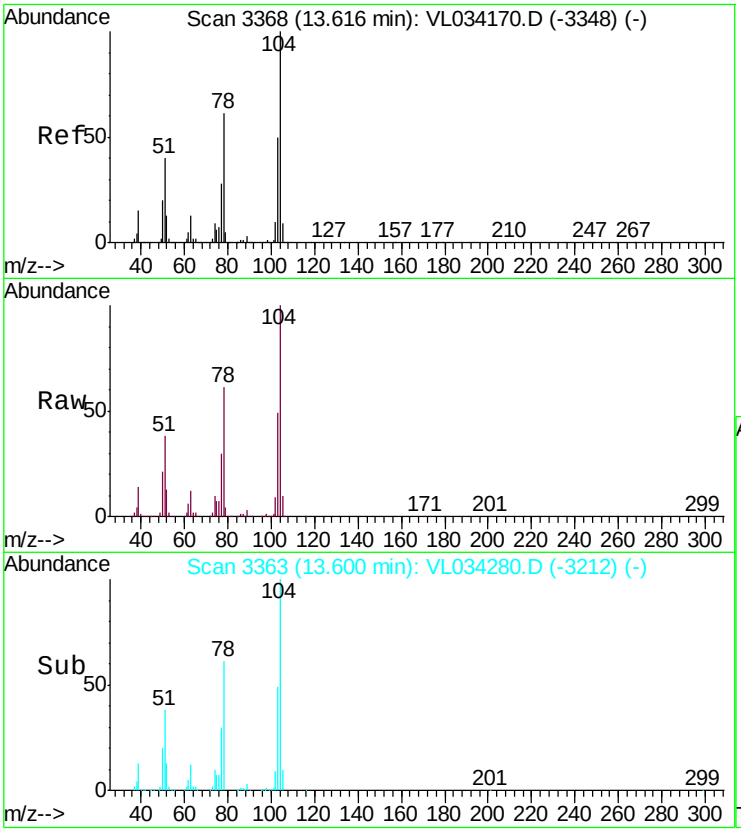


#60
o-Xylene
Concen: 9.217 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 91 Resp: 2346762

Ion	Ratio	Lower	Upper
91	100		
106	41.2	21.2	63.6



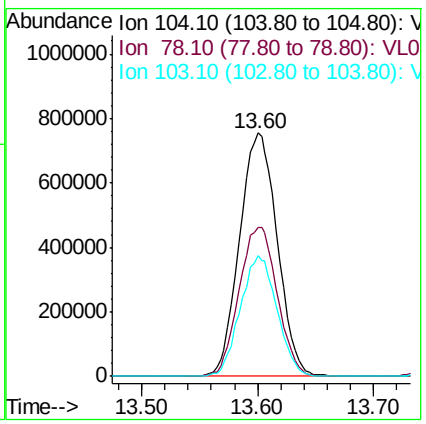


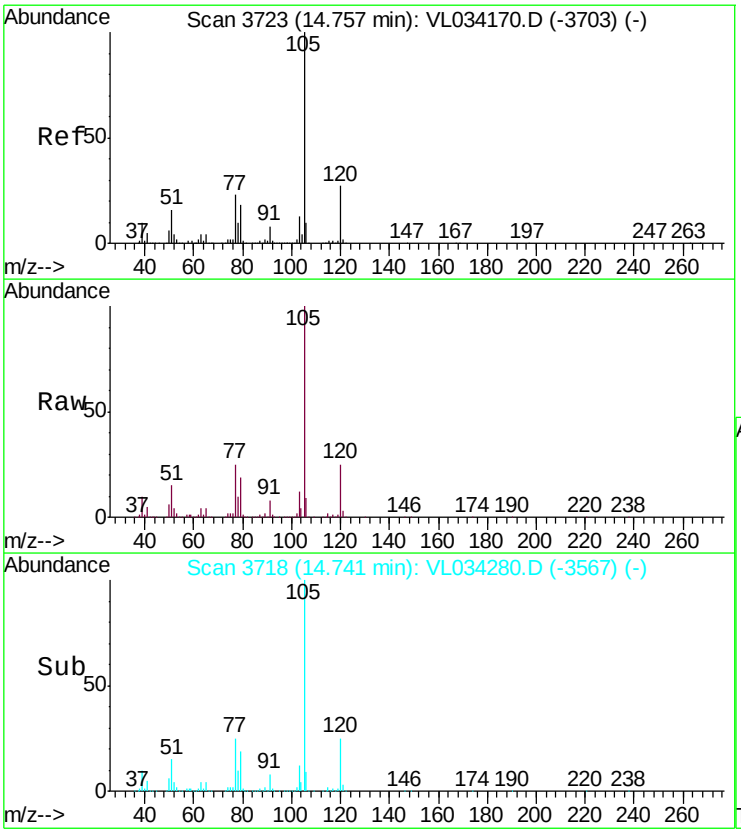
#61
Styrene
Concen: 9.345 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:104 Resp: 1704265

Ion	Ratio	Lower	Upper
104	100		
78	62.2	49.7	74.5
103	48.2	38.4	57.6

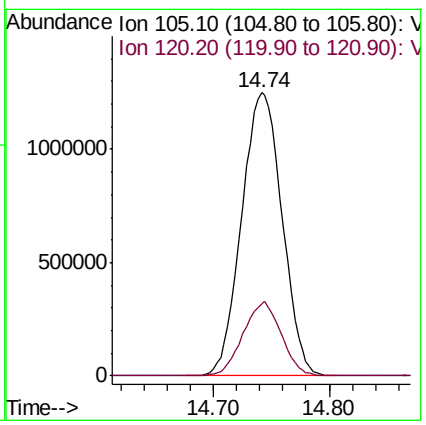


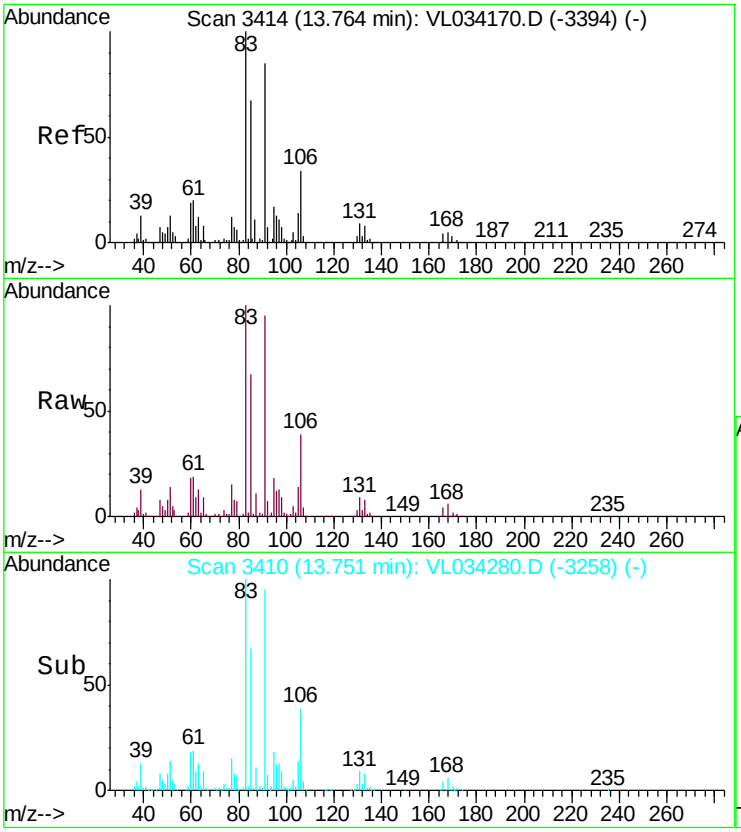


#62
Isopropylbenzene
Concen: 9.225 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:105 Resp: 3040651

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.7	31.1



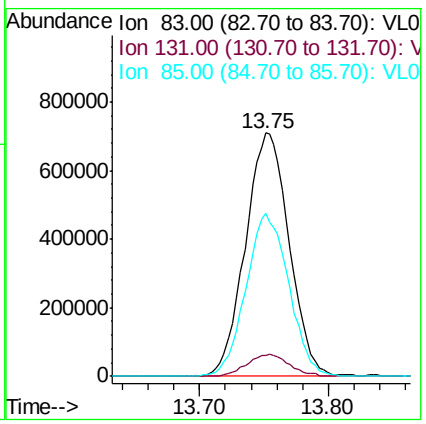


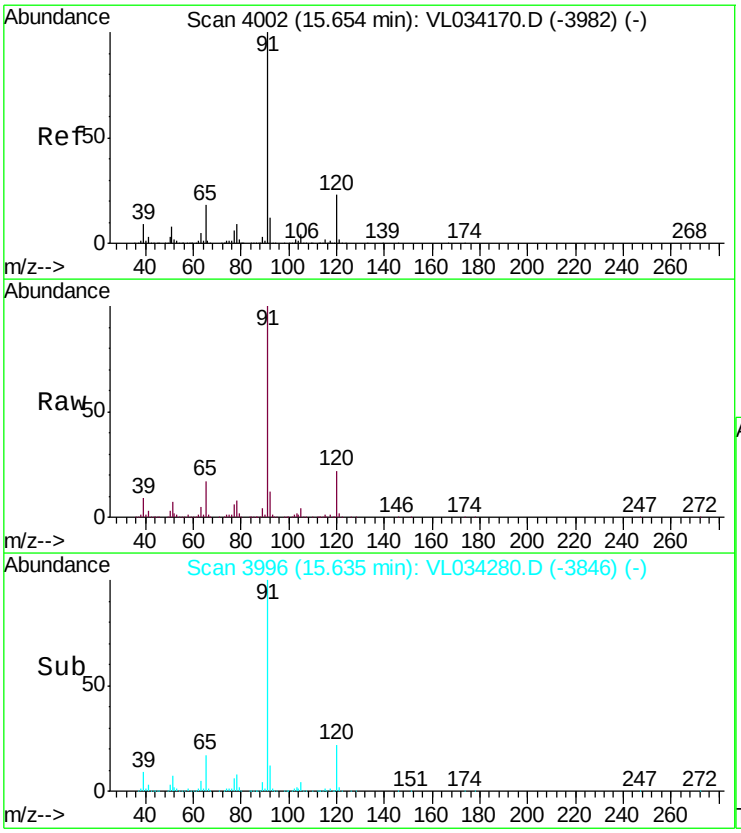
#63
1,1,2,2-Tetrachloroethane
Concen: 8.023 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion: 83 Resp: 1675012

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.3	12.8
85	65.7	32.8	98.4

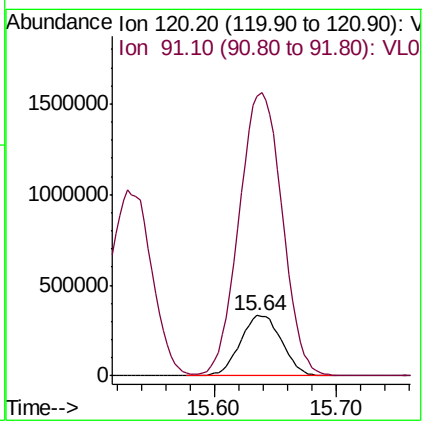


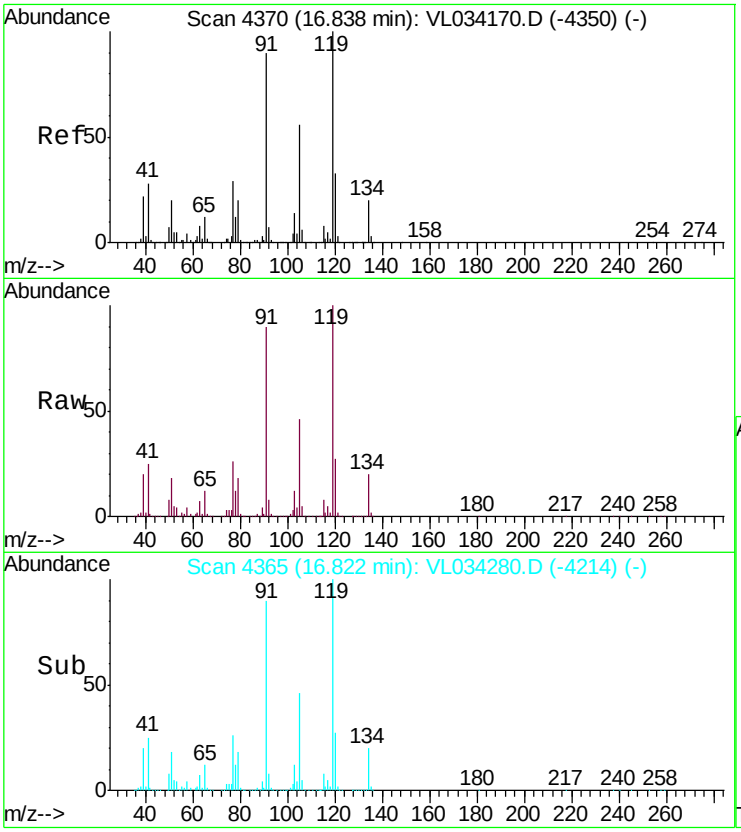


#64
n-propylbenzene
Concen: 9.370 ppbv
RT: 15.64 min Scan# 3996
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:120 Resp: 781314

Ion	Ratio	Lower	Upper
120	100		
91	490.7	378.2	567.2



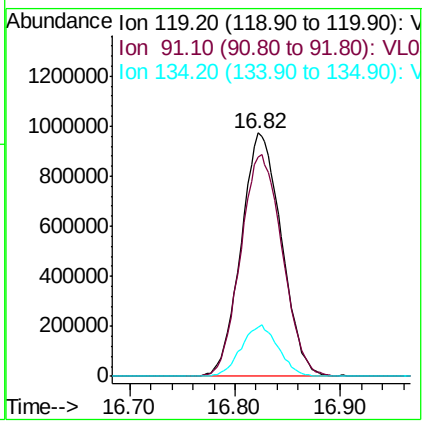


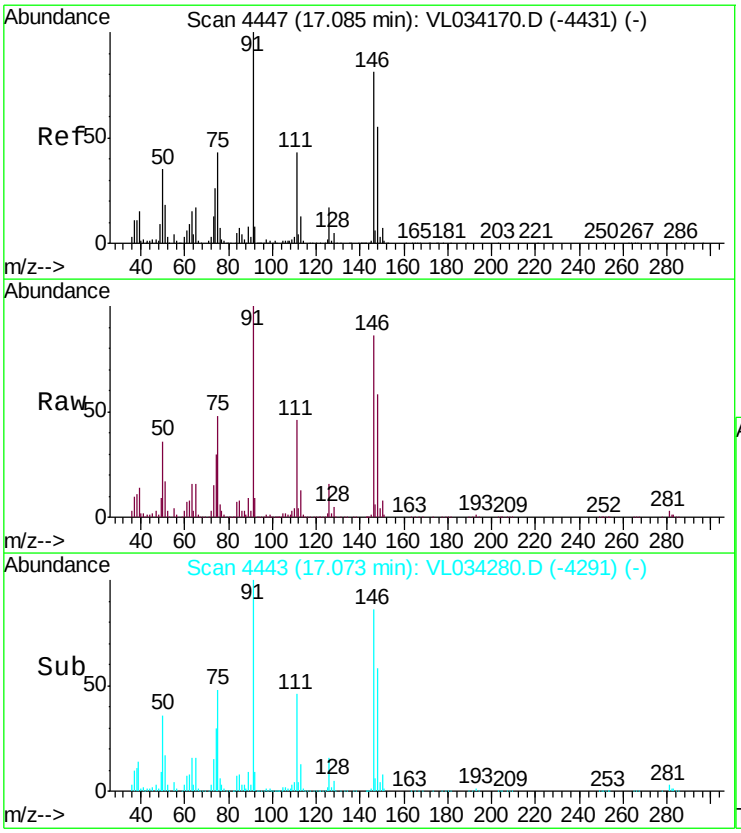
#65
tert-Butylbenzene
Concen: 8.983 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:119 Resp: 2587128

Ion	Ratio	Lower	Upper
119	100		
91	94.2	74.9	112.3
134	19.4	15.8	23.6

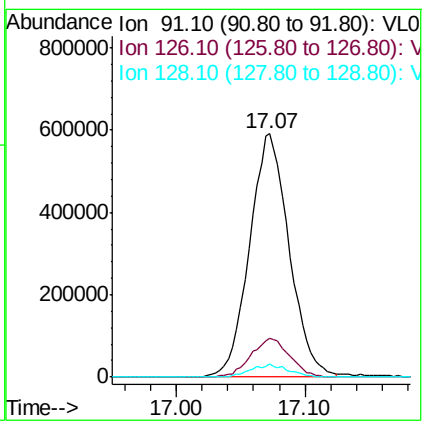


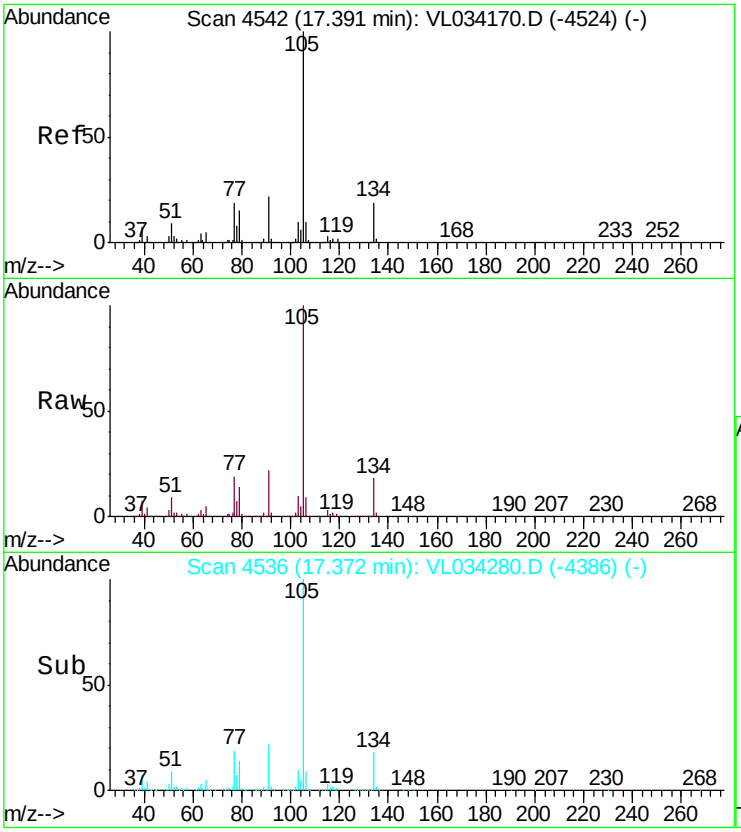


#66
Benzyl Chloride
Concen: 12.426 ppbv
RT: 17.07 min Scan# 4443
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 91 Resp: 1266079

Ion	Ratio	Lower	Upper
91	100		
126	15.6	12.6	19.0
128	4.9	4.0	6.0



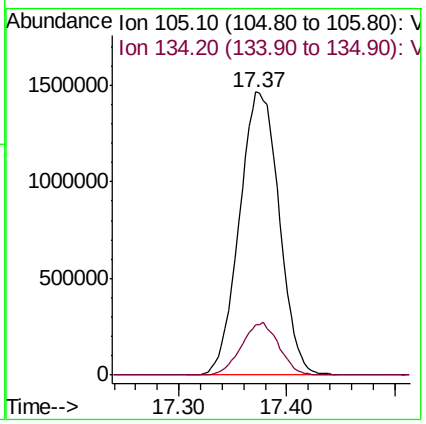


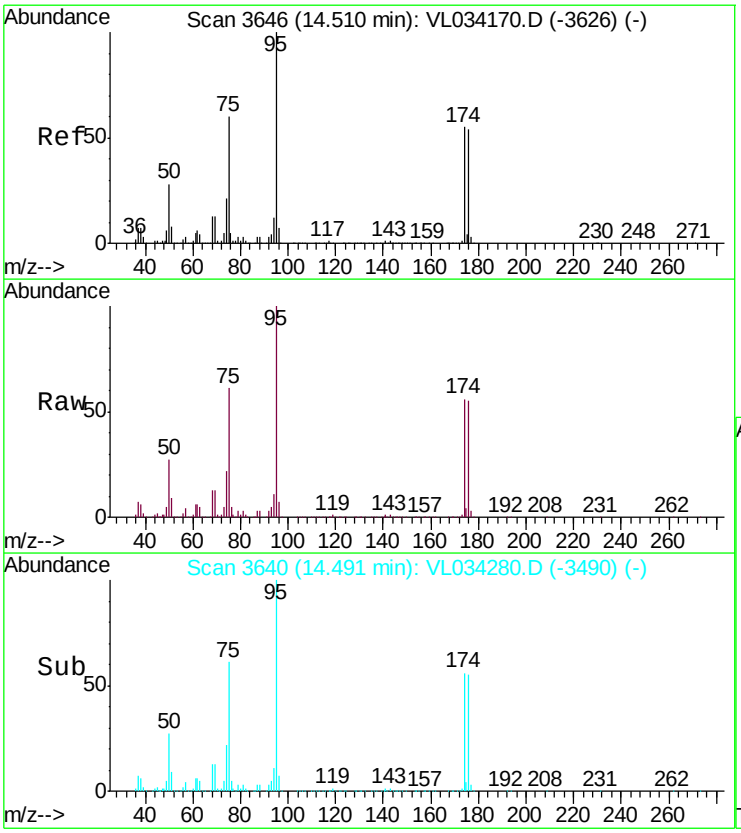
#67
sec-Butylbenzene
Concen: 9.107 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:105 Resp: 3750400

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.6	22.0

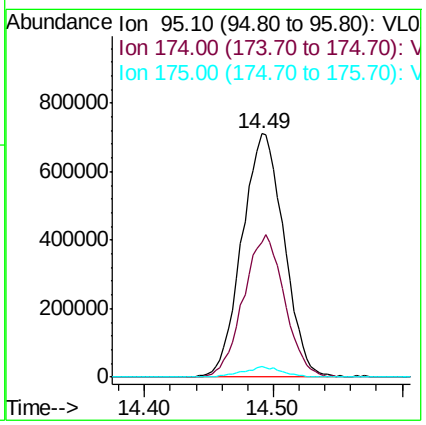


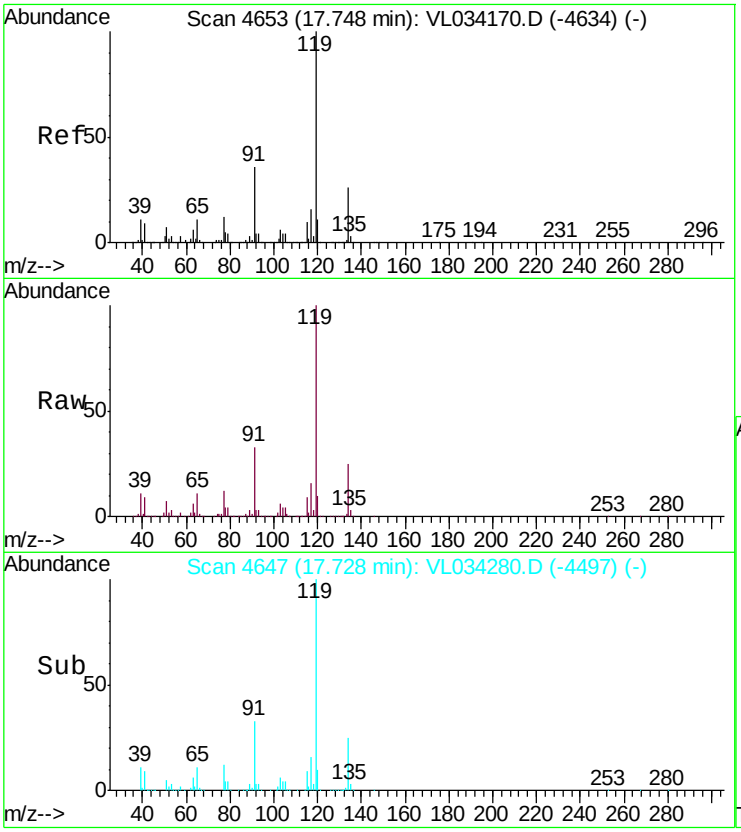


#68
1-Bromo-4-Fluorobenzene
Concen: 9.755 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 95 Resp: 1615071

Ion	Ratio	Lower	Upper
95	100		
174	57.1	45.1	67.7
175	4.0	3.3	4.9



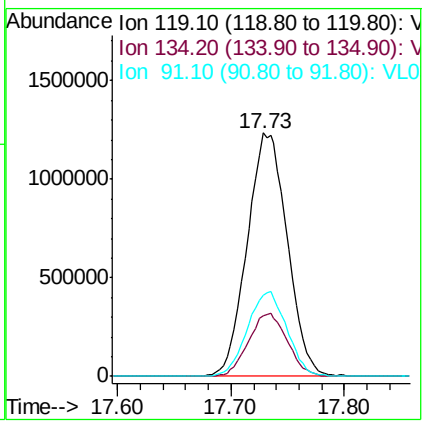


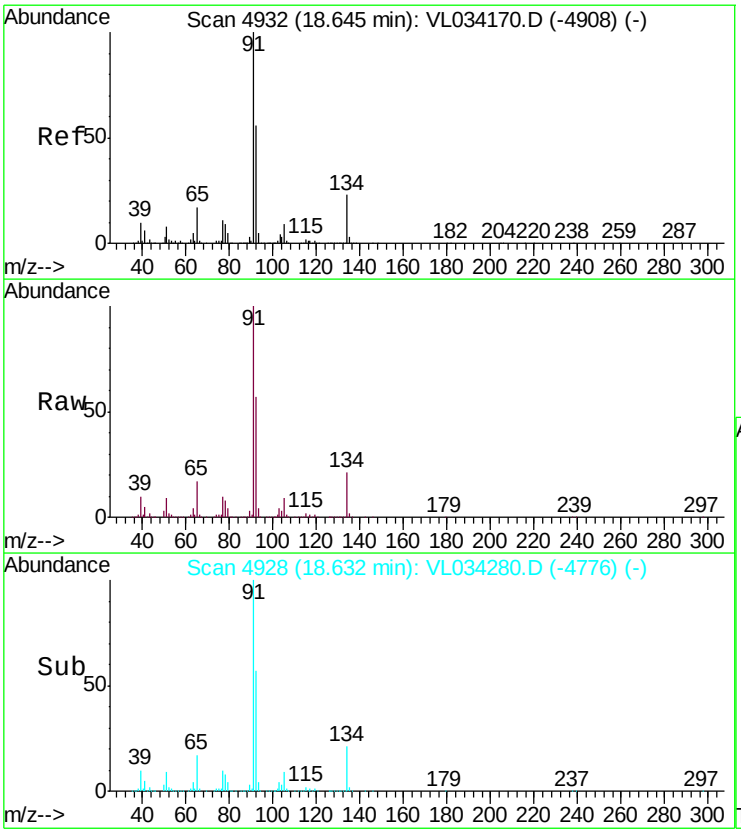
#69
p-Isopropyltoluene
Concen: 9.088 ppbv
RT: 17.73 min Scan# 4647
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:119 Resp: 3030554

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	34.4	27.6	41.4

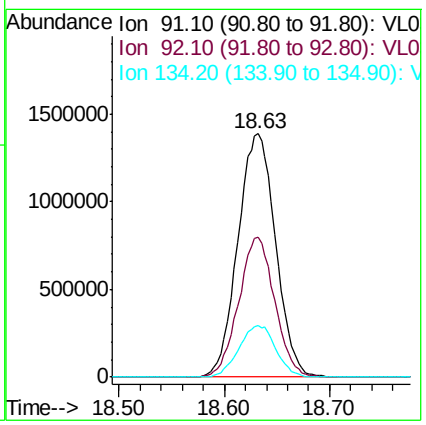


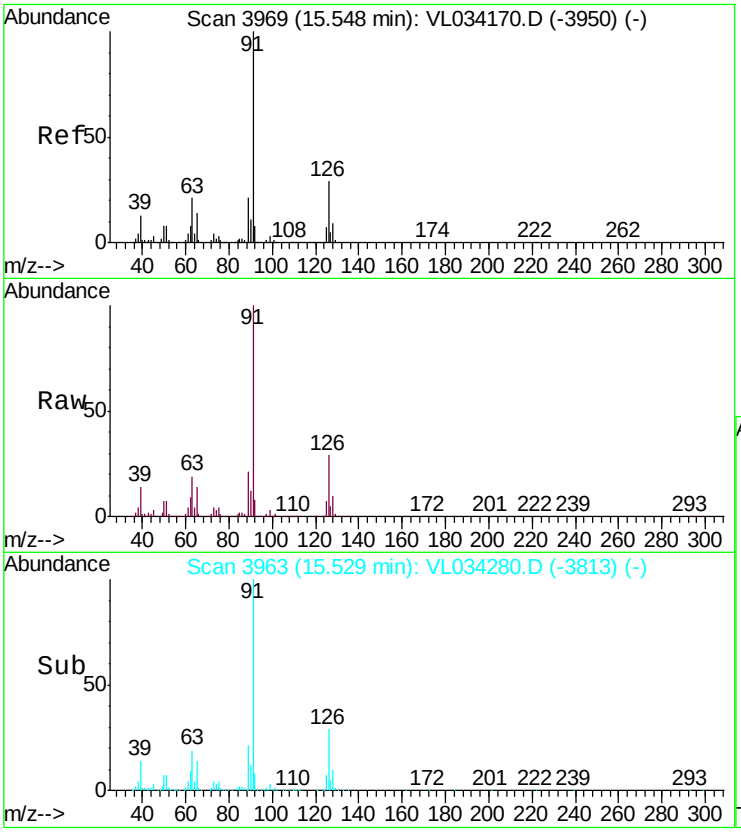


#70
n-Butylbenzene
Concen: 8.867 ppbv
RT: 18.63 min Scan# 4928
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 91 Resp: 3443058

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.8	67.2
134	20.8	17.3	25.9



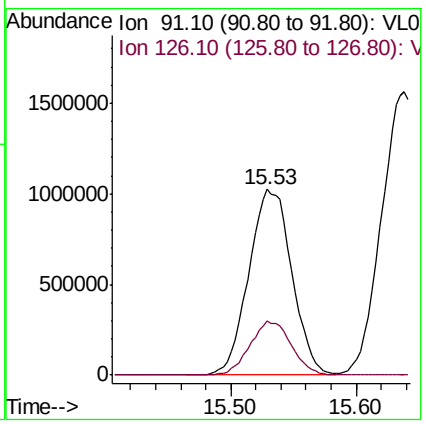


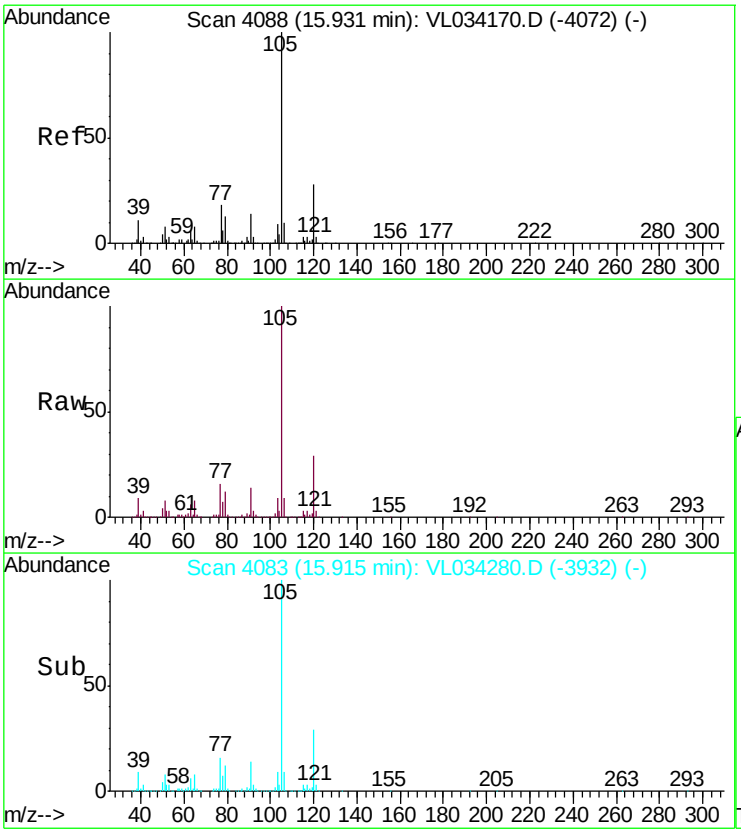
#71
2-Chlorotoluene
Concen: 9.053 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion: 91 Resp: 2438045

Ion	Ratio	Lower	Upper
91	100		
126	28.0	11.2	45.0

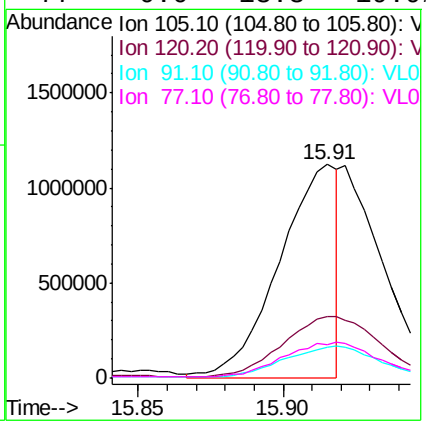


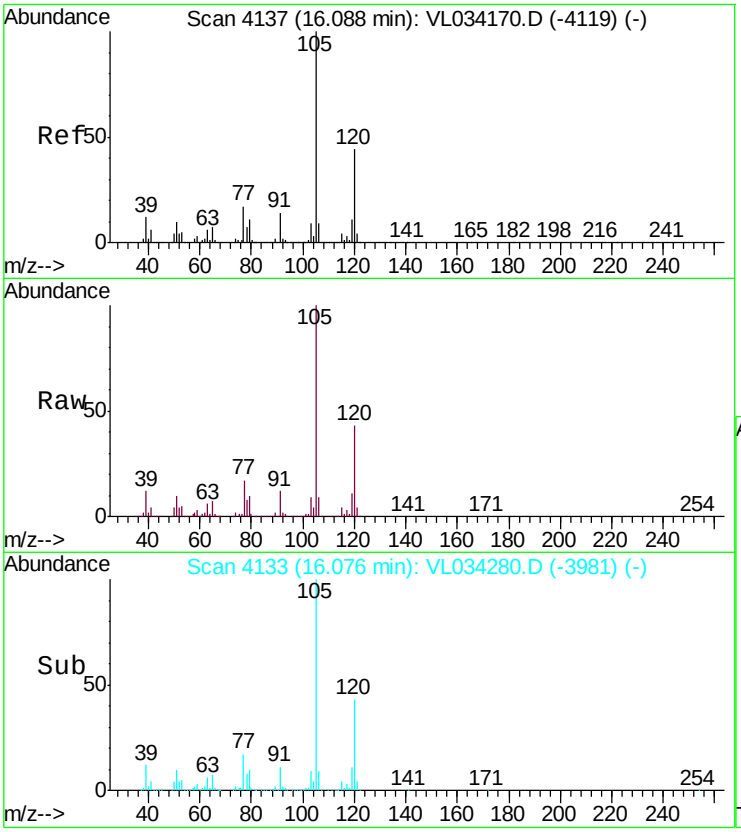


#72
4-Ethyltoluene
Concen: 5.431 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:105 Resp: 1562391

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.3	34.9#
91	0.0	11.4	17.2#
77	0.0	13.3	19.9#



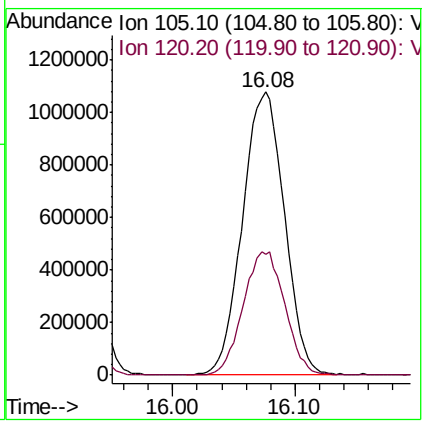


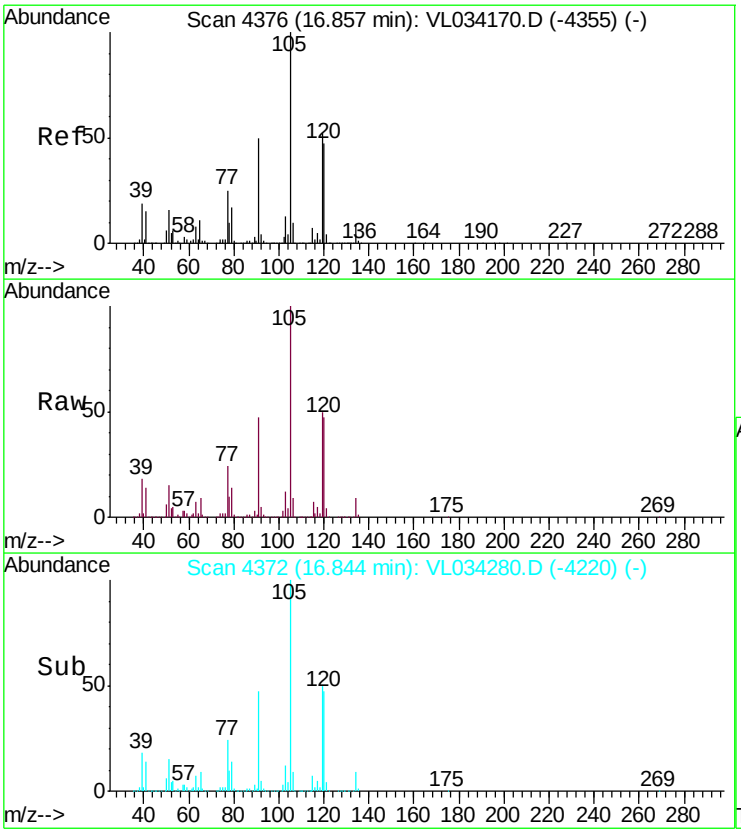
#73
1,3,5-Trimethylbenzene
Concen: 9.182 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:105 Resp: 2551849

Ion	Ratio	Lower	Upper
105	100		
120	42.8	35.6	53.4

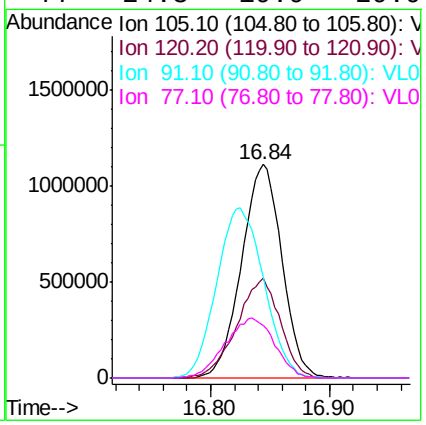


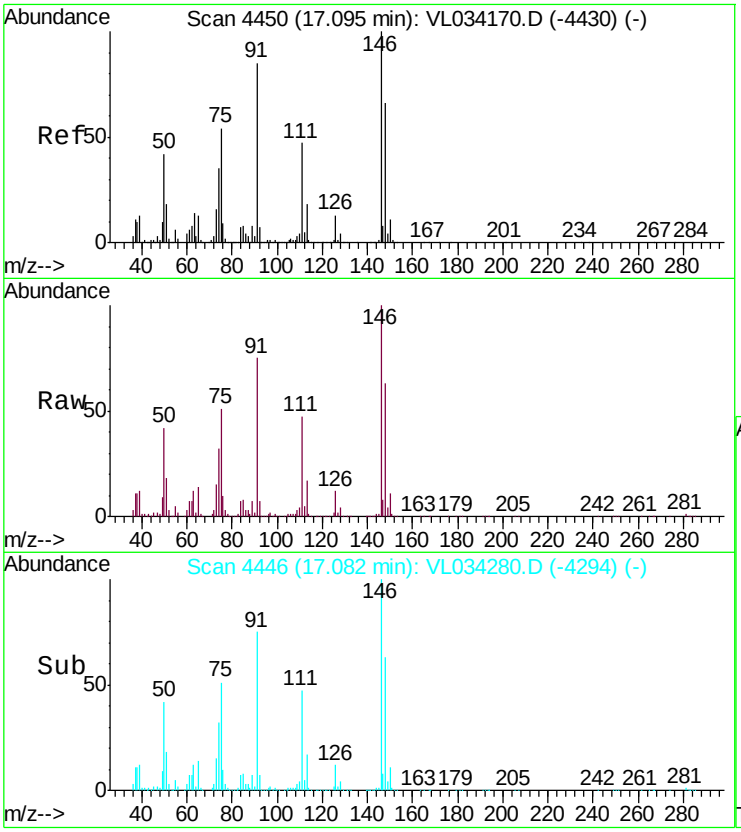


#74
1,2,4-Trimethylbenzene
Concen: 8.834 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:105 Resp: 2606598

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.5	56.3
91	47.2	41.1	61.7
77	24.3	19.9	29.9



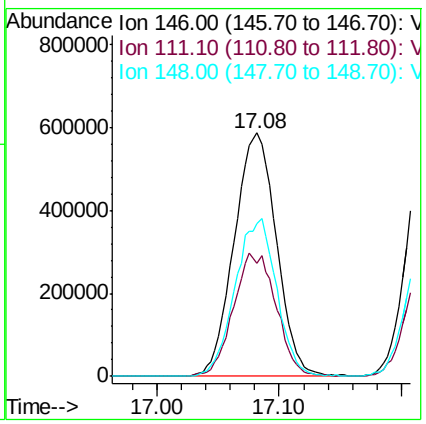


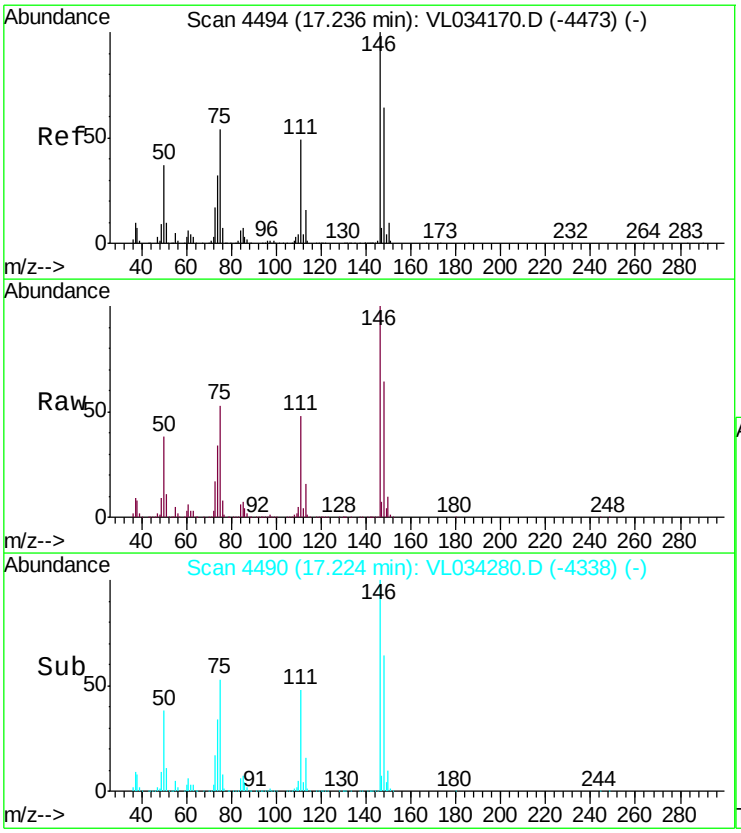
#75
1,3-Dichlorobenzene
Concen: 8.808 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:146 Resp: 1394518

Ion	Ratio	Lower	Upper
146	100		
111	51.5	25.9	77.8
148	64.0	32.6	97.7

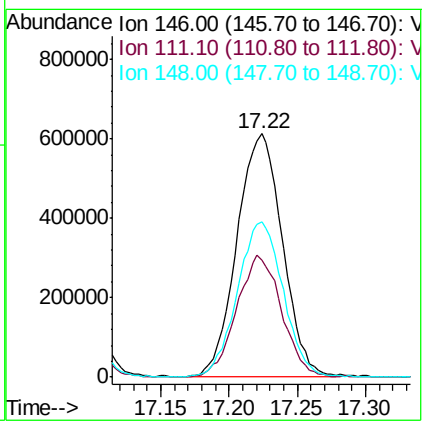


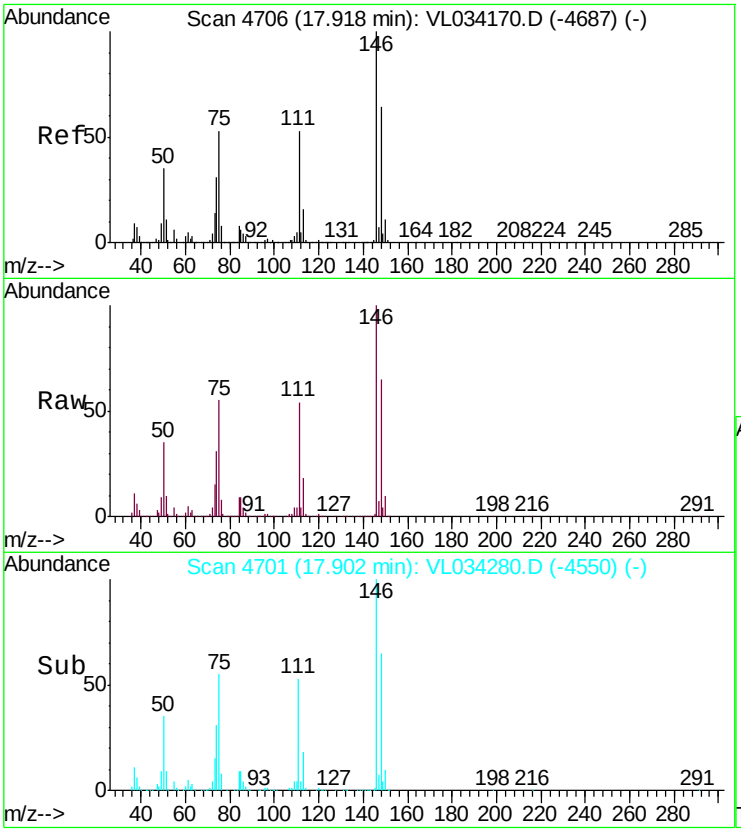


#76
1,4-Dichlorobenzene
Concen: 8.683 ppbv
RT: 17.22 min Scan# 4490
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:146 Resp: 1407790

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.6	74.0
148	64.8	32.4	97.0



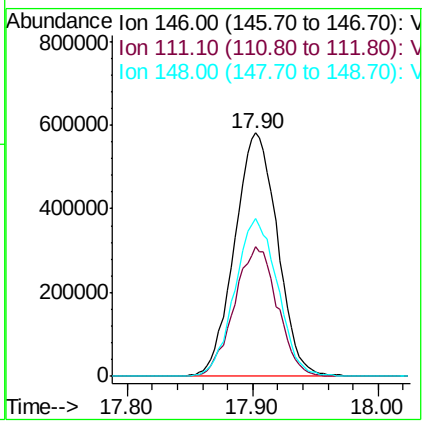


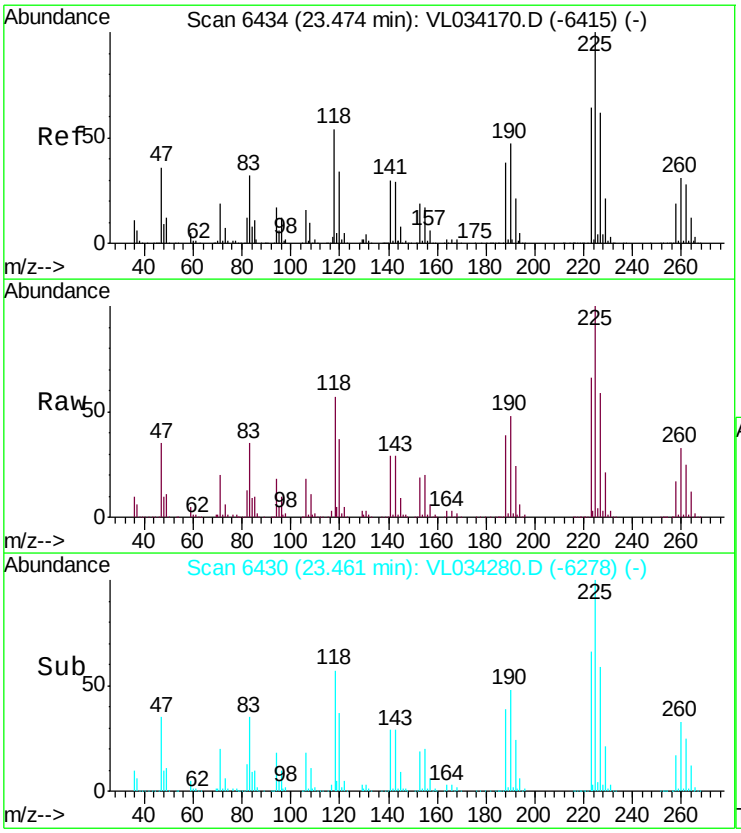
#77
1,2-Dichlorobenzene
Concen: 8.584 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument : MSVOA_L
ClientSampleId : VL1014ABS01

Tgt Ion:146 Resp: 1375570

Ion	Ratio	Lower	Upper
146	100		
111	53.9	26.1	78.3
148	65.3	31.9	95.9

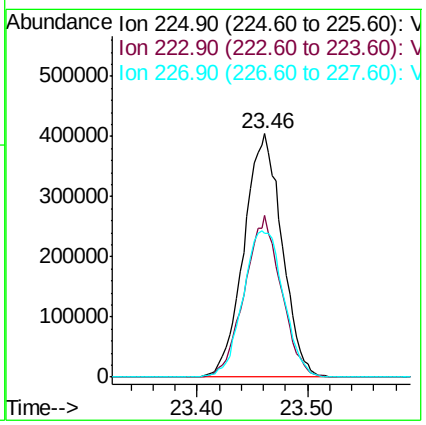


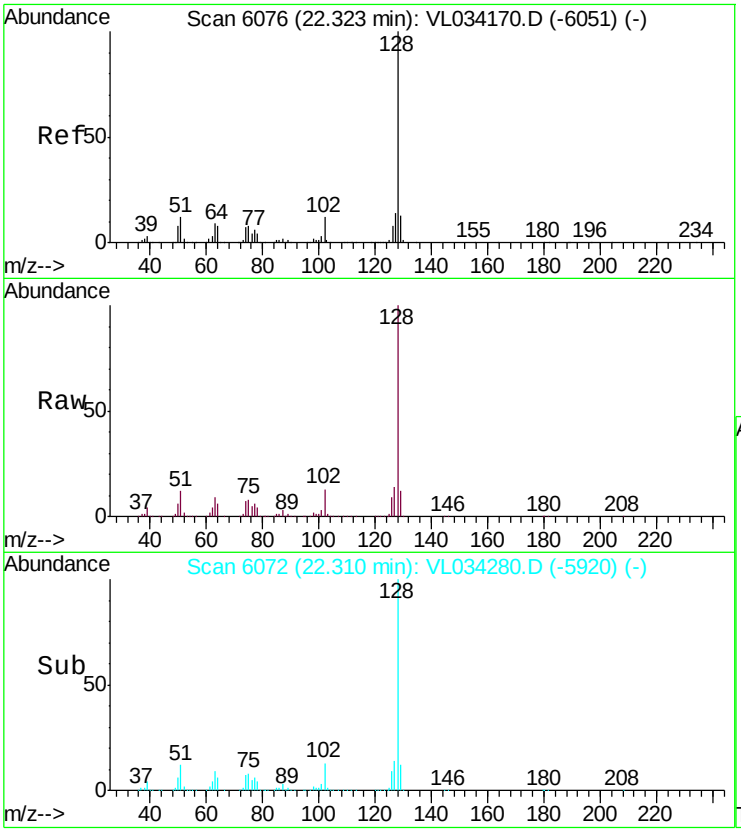


#78
Hexachloro-1,3-Butadiene
Concen: 9.122 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:225 Resp: 968125

Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.7	77.5
227	64.0	52.1	78.1



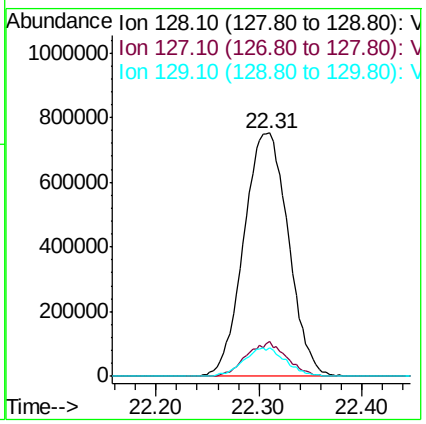


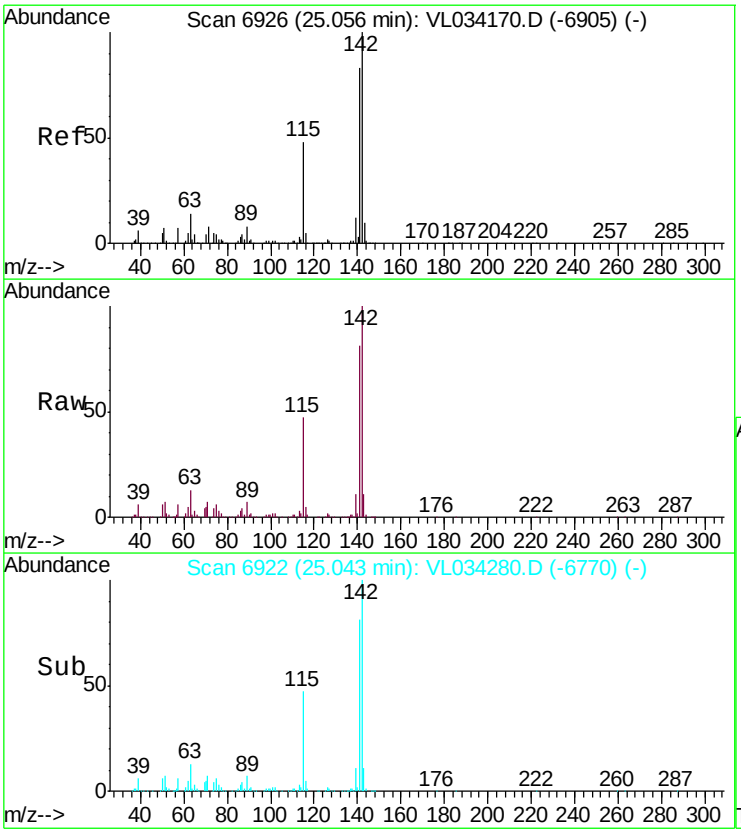
#79
Naphthalene
Concen: 8.685 ppbv
RT: 22.31 min Scan# 6072
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:128 Resp: 2256056

Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.1	16.7
129	11.7	10.2	15.4

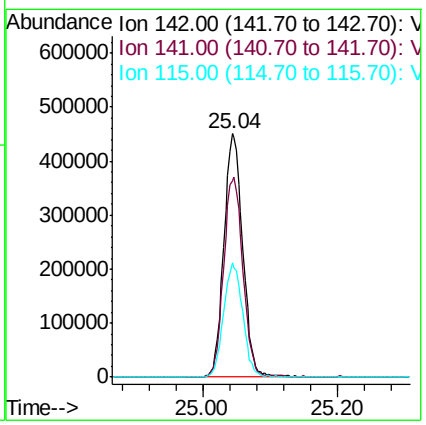


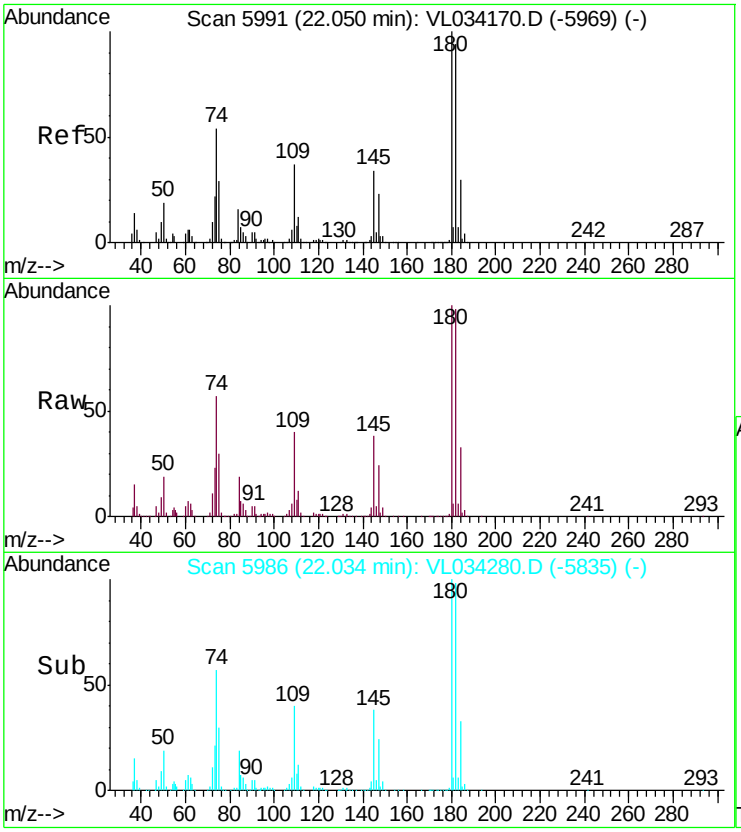


#80
Naphthalene,2-methyl-
Concen: 7.286 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion:142 Resp: 880209

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	47.5	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 8.602 ppbv
RT: 22.03 min Scan# 5986
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tgt Ion:180 Resp: 1237881

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.2
184	31.1	25.0	37.4