Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034278.D
Acq On : 14 Oct 2019 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 15 02:47:48 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	918864	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1730888	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	2252191	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1514859	7.74	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 77.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1606167	11.834	ppbv	99
3) Chlorodifluoromethane	2.97	51	1052277	9.767	ppbv	99
4) Chloromethane	3.12	50	659918	10.423	ppbv	97
5) Vinyl Chloride	3.24	62	588574	10.172	ppbv	98
6) Bromomethane	3.46	94	296636	10.988	ppbv	96
7) Chloroethane	3.55	64	214382	10.601	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1259949	10.518	ppbv	99
9) Propene	2.99	41	531629	10.002	ppbv	99
10) Heptane	8.17	43	1390289	10.036	ppbv	98
11) Trichlorofluoromethane	3.94	101	1319554	10.681	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	906029	11.206	ppbv	98
13) Ethanol	3.60	45	107092	8.320	ppbv	97
14) Bromoethene	3.73	108	386663	11.697	ppbv	98
15) Acetone	3.84	43	1084360	8.805	ppbv	99
16) 1,3-Butadiene	3.31	39	568519	10.578	ppbv	98
17) tert-Butyl alcohol	4.29	59	871485	11.168	ppbv	100
18) 1,1-Dichloroethene	4.29	96	412315	11.692	ppbv	89
19) Isopropyl Alcohol	3.97	45	740233	9.775	ppbv	100
20) Methylene Chloride	4.35	84	368650	10.382	ppbv	93
21) Allyl Chloride	4.41	41	785464	11.292	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	420035	11.905	ppbv	93
23) Vinyl Acetate	5.09	43	1885824	10.391	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1244954	10.188	ppbv	99
25) Ethyl Acetate	5.70	43	2290773	9.837	ppbv	99
26) Hexane	5.71	57	985067	10.169	ppbv	98
27) Carbon Disulfide	4.56	76	1078601	12.073	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1610660	11.195	ppbv	98
29) Chloroform	5.78	83	1452191	10.490	ppbv	99
30) Cyclohexane	7.17	84	775012	11.081	ppbv	94
31) cis-1,2-Dichloroethene	5.57	61	1044073	10.572	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1377405	10.317	ppbv	97
34) 2-Butanone	5.26	43	1569347	8.880	ppbv	97
35) Carbon Tetrachloride	7.06	117	1329417	9.245	ppbv	99
36) Benzene	6.93	78	1864243	9.752	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1222769	8.993	ppbv	99
38) Trichloroethene	7.88	130	625022	9.151	ppbv	98
39) 1,2-Dichloropropane	7.66	63	809727	9.427	ppbv	93
40) 1,4-Dioxane	7.87	88	262297	9.437	ppbv #	90
41) Tetrahydrofuran	6.08	42	941661	9.460	ppbv	97
42) Bromodichloromethane	7.84	83	1588793	9.736	ppbv	98
43) Methyl Methacrylate	8.06	69	797994	10.105	ppbv	94

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034278.D
Acq On : 14 Oct 2019 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 15 02:47:48 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	7.91	57	3401016	9.241	ppbv		97
45) t-1,3-Dichloropropene	9.34	75	1036007	11.095	ppbv		100
46) cis-1,3-Dichloropropene	8.75	75	1166397	10.385	ppbv		92
47) 1,1,2-Trichloroethane	9.54	97	732162	9.493	ppbv		95
48) Dibromochloromethane	10.37	129	1203720	9.847	ppbv		99
49) Bromoform	13.11	173	1013126	10.241	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2312143	8.989	ppbv		99
51) 2-Hexanone	10.19	43	1924529	8.916	ppbv	#	97
52) Tetrachloroethene	11.29	164	579795	9.180	ppbv		96
53) Toluene	9.86	91	2068131	9.899	ppbv		99
54) 1,2-Dibromoethane	10.67	107	1099436	9.585	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.19	131	778444	7.750	ppbv		99
57) Chlorobenzene	12.21	112	1449227	7.391	ppbv		97
58) Ethyl Benzene	12.78	91	2819989	7.760	ppbv		99
59) m/p-Xylene	13.06	91	2377777	7.900	ppbv	#	40
60) o-Xylene	13.77	91	2254567	7.491	ppbv		99
61) Styrene	13.60	104	1689443	7.837	ppbv		98
62) Isopropylbenzene	14.74	105	2921833	7.499	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1624080	6.581	ppbv		99
64) n-propylbenzene	15.64	120	734311	7.450	ppbv		88
65) tert-Butylbenzene	16.82	119	2493551	7.325	ppbv		98
66) Benzyl Chloride	17.07	91	1233986	10.245	ppbv		100
67) sec-Butylbenzene	17.37	105	3595372	7.386	ppbv		99
69) p-Isopropyltoluene	17.73	119	2908292	7.378	ppbv		99
70) n-Butylbenzene	18.63	91	3307493	7.206	ppbv		99
71) 2-Chlorotoluene	15.53	91	2357867	7.407	ppbv		99
72) 4-Ethyltoluene	15.92	105	2584275	7.600	ppbv		99
73) 1,3,5-Trimethylbenzene	16.07	105	2477233	7.541	ppbv		99
74) 1,2,4-Trimethylbenzene	16.84	105	2488581	7.135	ppbv		98
75) 1,3-Dichlorobenzene	17.08	146	1369973	7.320	ppbv		97
76) 1,4-Dichlorobenzene	17.22	146	1370163	7.149	ppbv		100
77) 1,2-Dichlorobenzene	17.90	146	1333068	7.038	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	1030440	8.213	ppbv		100
79) Naphthalene	22.30	128	2217985	7.223	ppbv		96
80) Naphthalene,2-methyl-	25.04	142	960832	6.728	ppbv		98
81) 1,2,4-Trichlorobenzene	22.04	180	1241050	7.296	ppbv		98

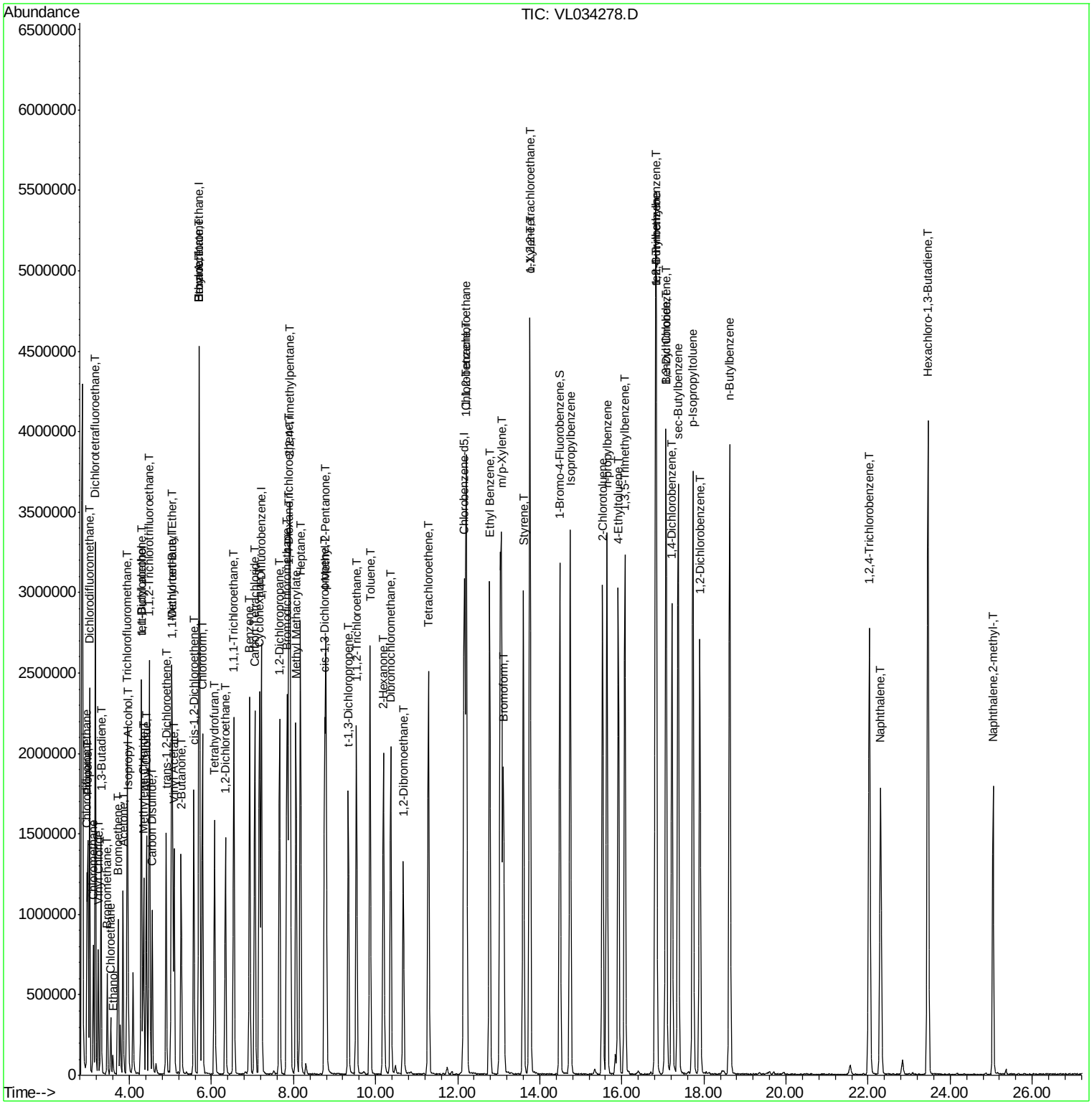
(#) = qualifier out of range (m) = manual integration (+) = signals summed

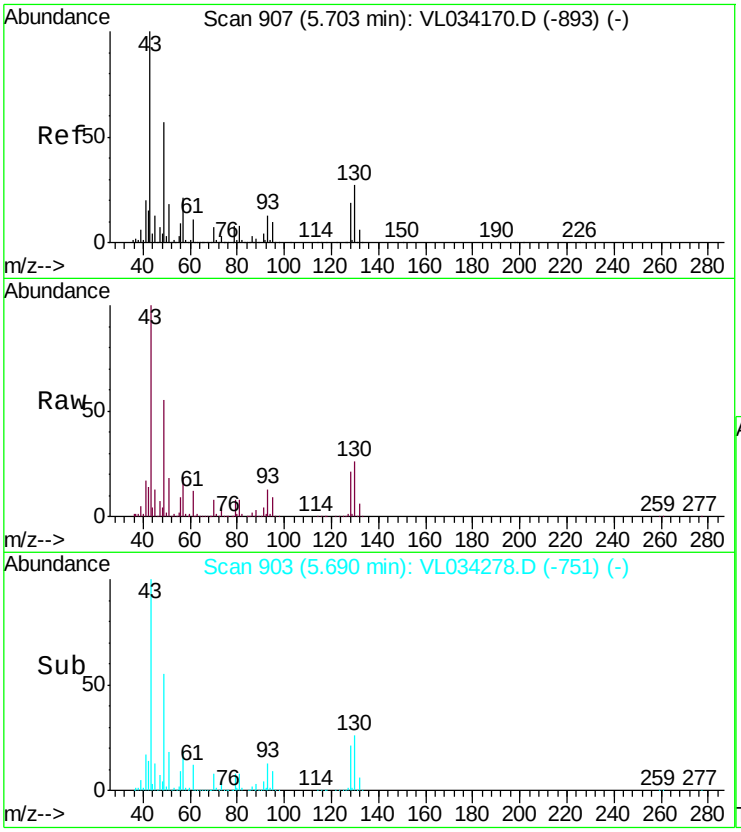
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034278.D
Acq On : 14 Oct 2019 9:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 15 02:47:48 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



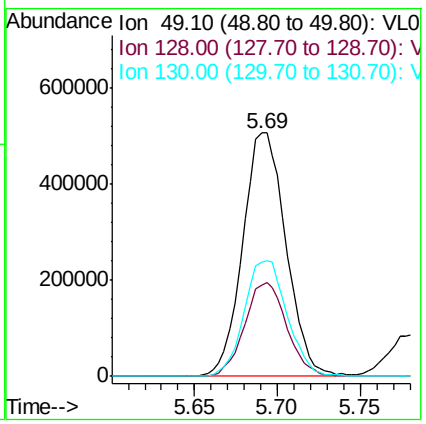


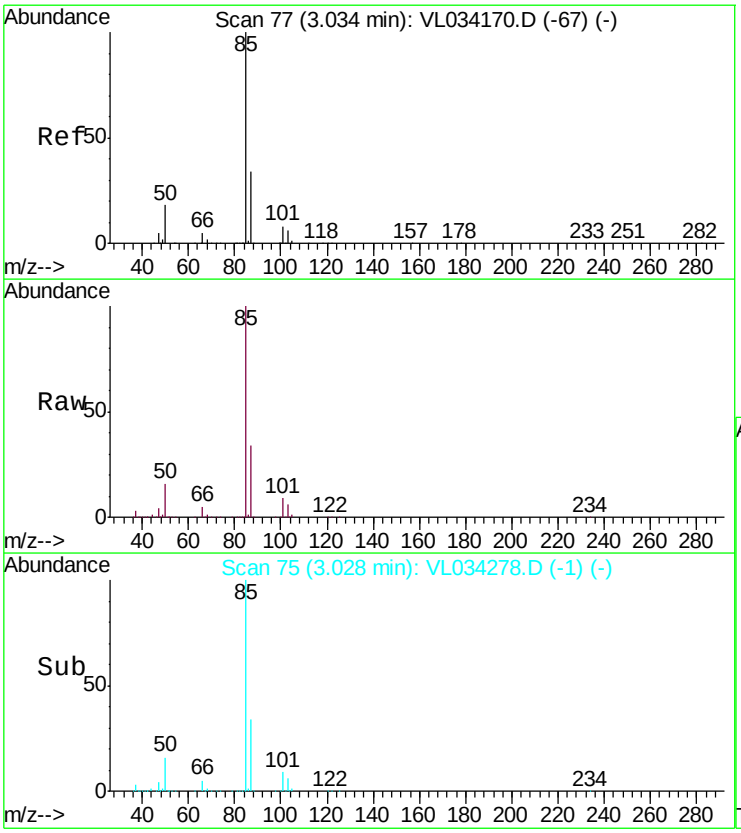
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 918864

Ion	Ratio	Lower	Upper
49	100		
128	37.6	17.6	52.9
130	47.3	22.3	66.9

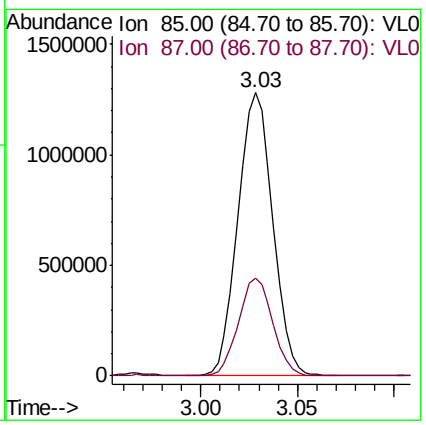


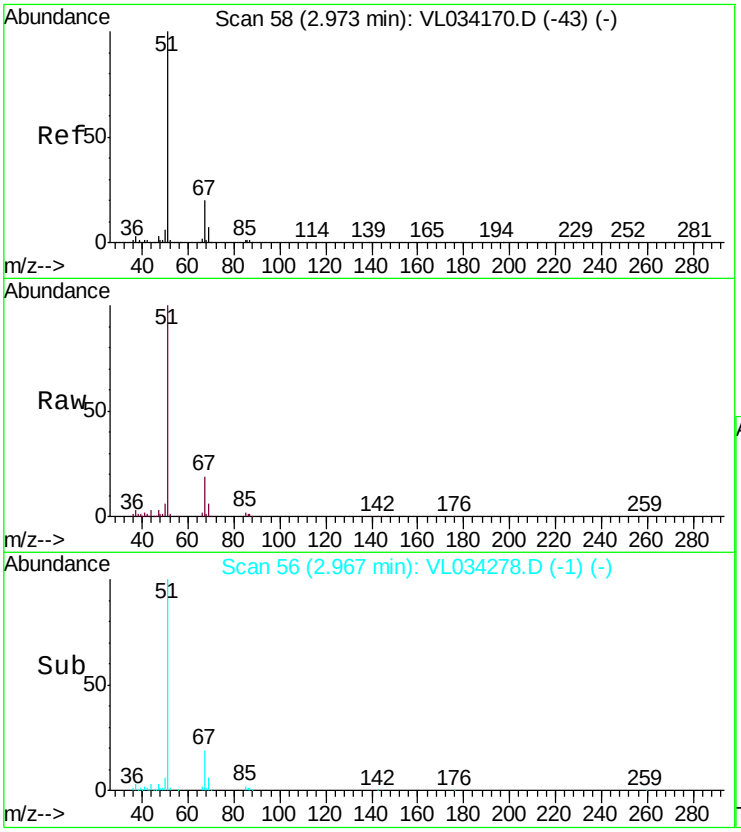


#2
Dichlorodifluoromethane
Concen: 11.834 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 85 Resp: 1606167

Ion	Ratio	Lower	Upper
85	100		
87	34.5	27.2	40.8



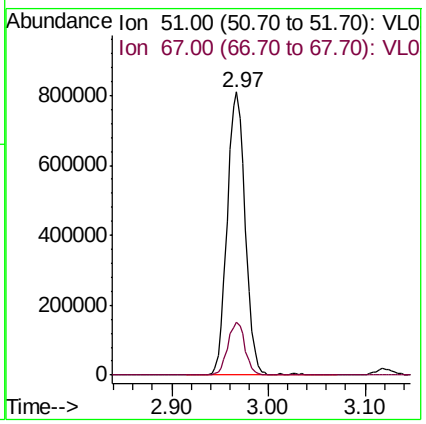


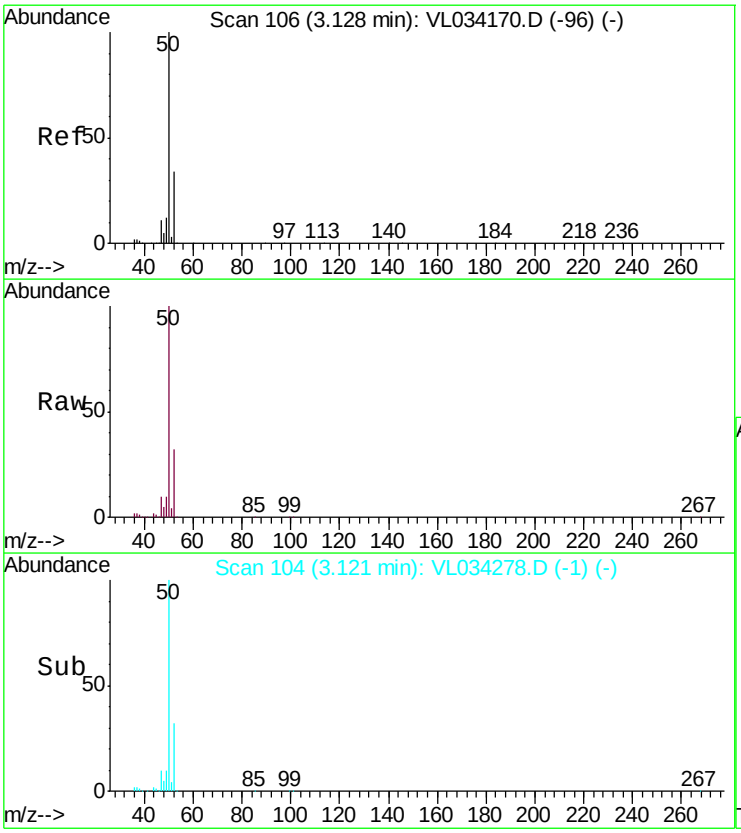
#3
Chlorodifluoromethane
Concen: 9.767 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1052277

Ion	Ratio	Lower	Upper
51	100		
67	18.0	14.8	22.2

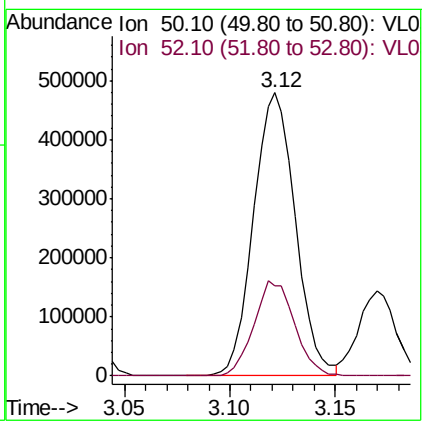


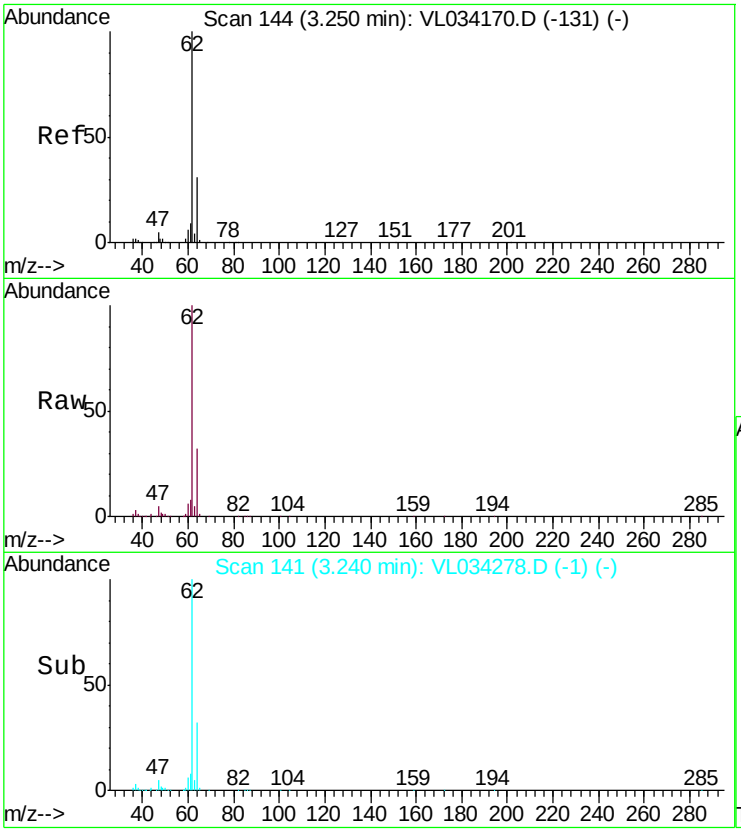


#4
Chloromethane
Concen: 10.423 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 50 Resp: 659918

Ion	Ratio	Lower	Upper
50	100		
52	32.1	27.1	40.7



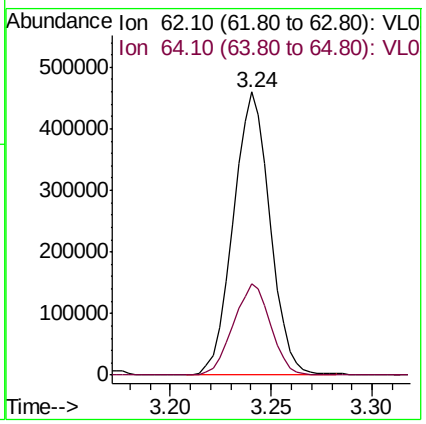


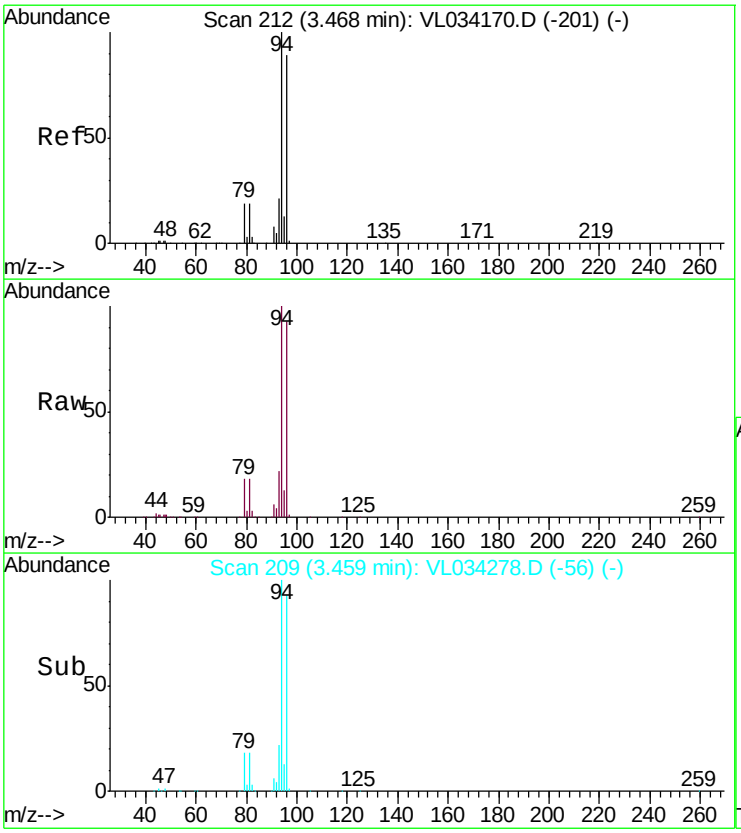
#5
Vinyl Chloride
Concen: 10.172 ppbv
RT: 3.24 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 588574

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8

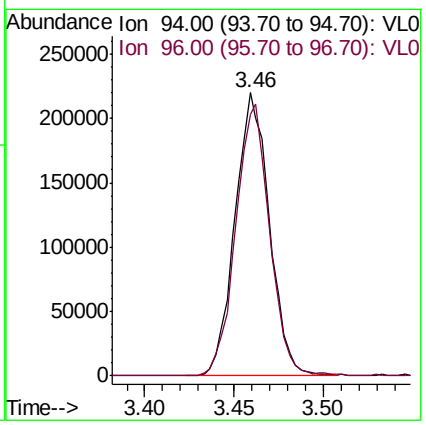


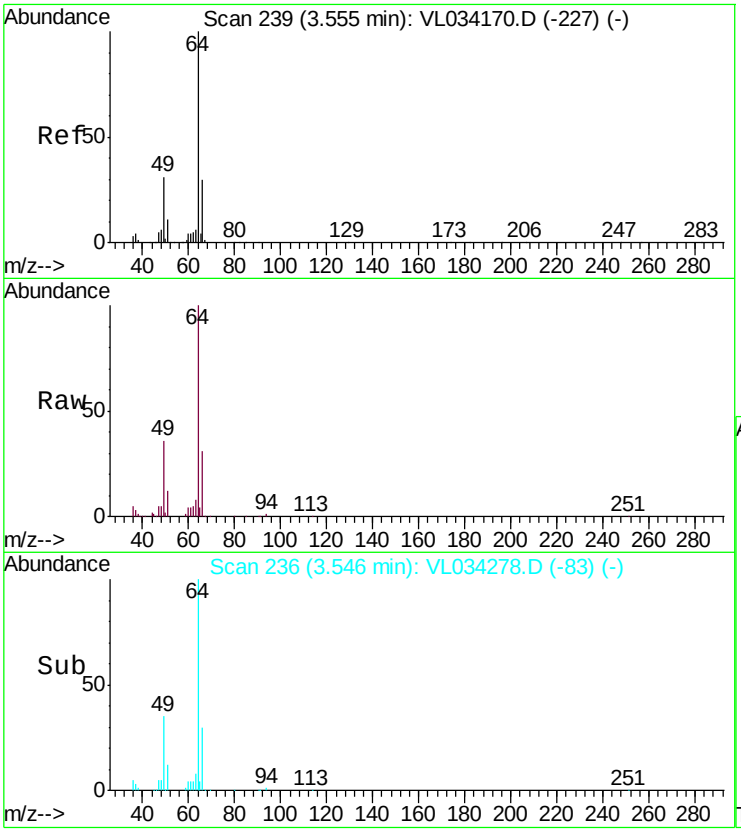


#6
Bromomethane
Concen: 10.988 ppbv
RT: 3.46 min Scan# 209
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 94 Resp: 296636

Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.3	106.9



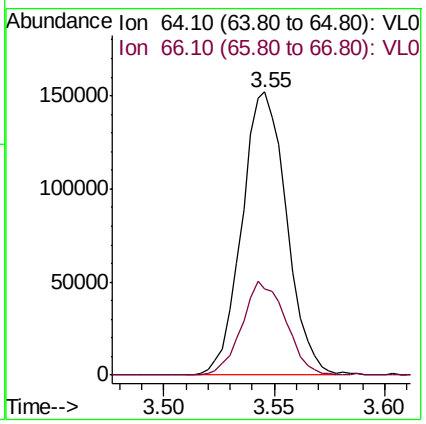


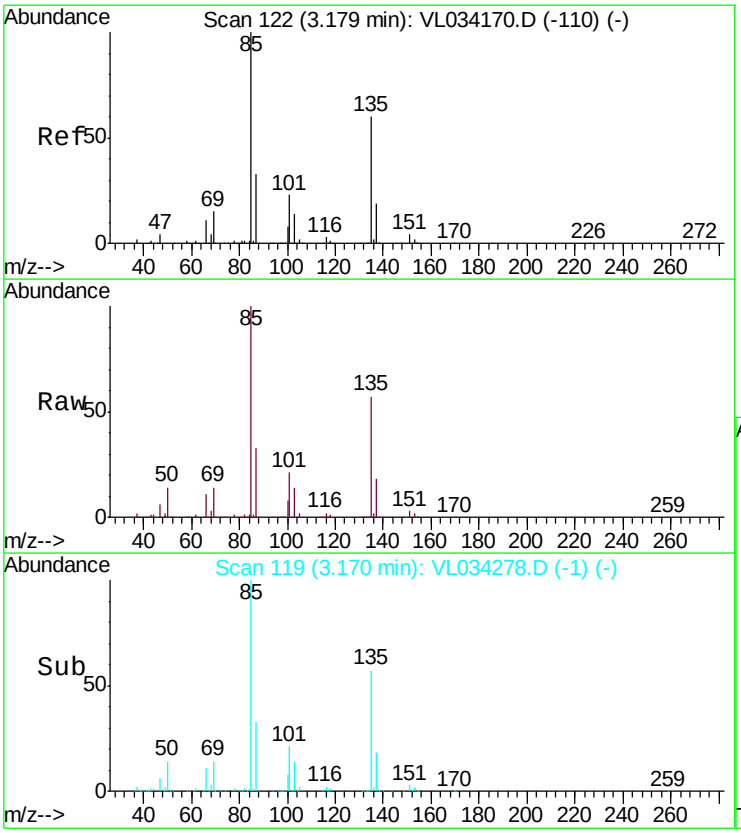
#7
Chloroethane
Concen: 10.601 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 214382

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.2	36.4

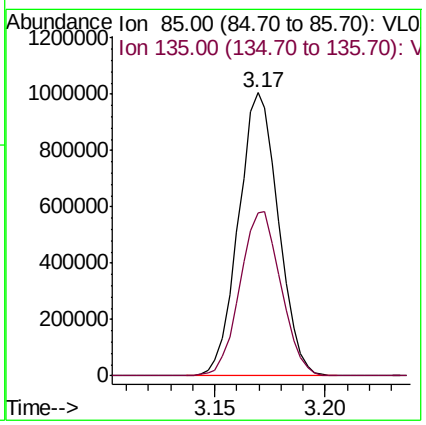


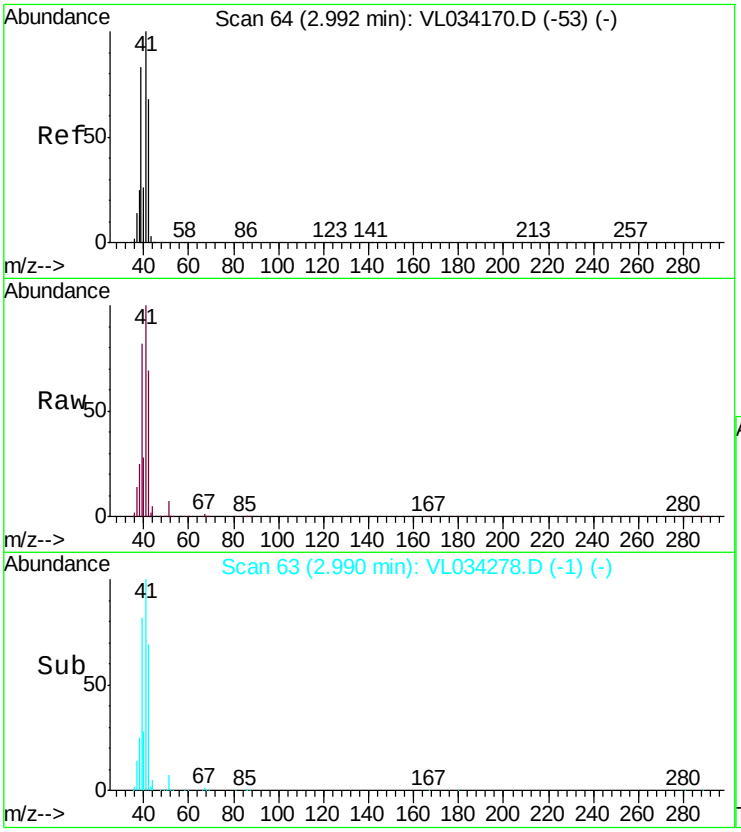


#8
Dichlorotetrafluoroethane
Concen: 10.518 ppbv
RT: 3.17 min Scan# 119
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 85 Resp: 1259949

Ion	Ratio	Lower	Upper
85	100		
135	59.7	47.3	70.9



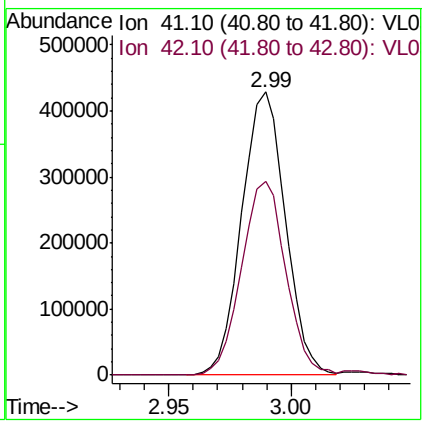


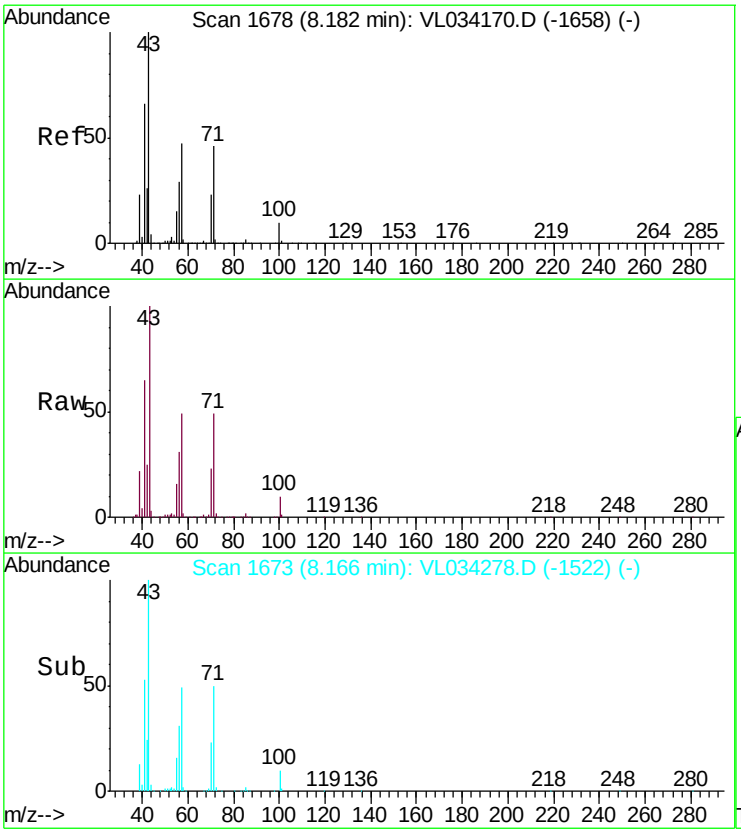
#9
Propene
Concen: 10.002 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 531629

Ion	Ratio	Lower	Upper
41	100		
42	70.7	55.8	83.6

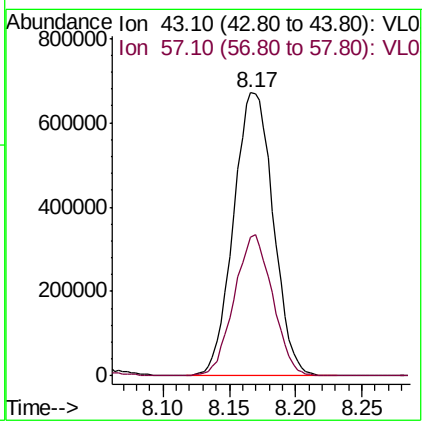


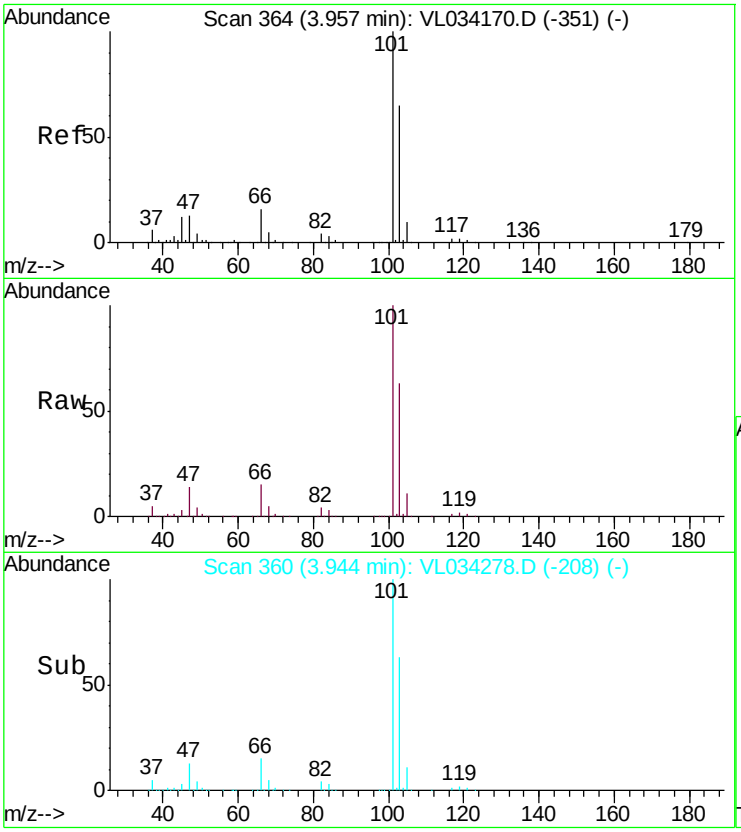


#10
Heptane
Concen: 10.036 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 43 Resp: 1390289

Ion	Ratio	Lower	Upper
43	100		
57	48.5	37.5	56.3



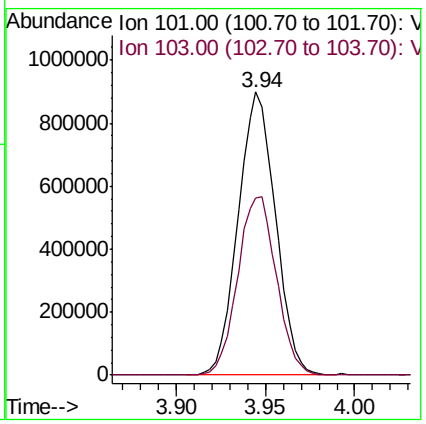


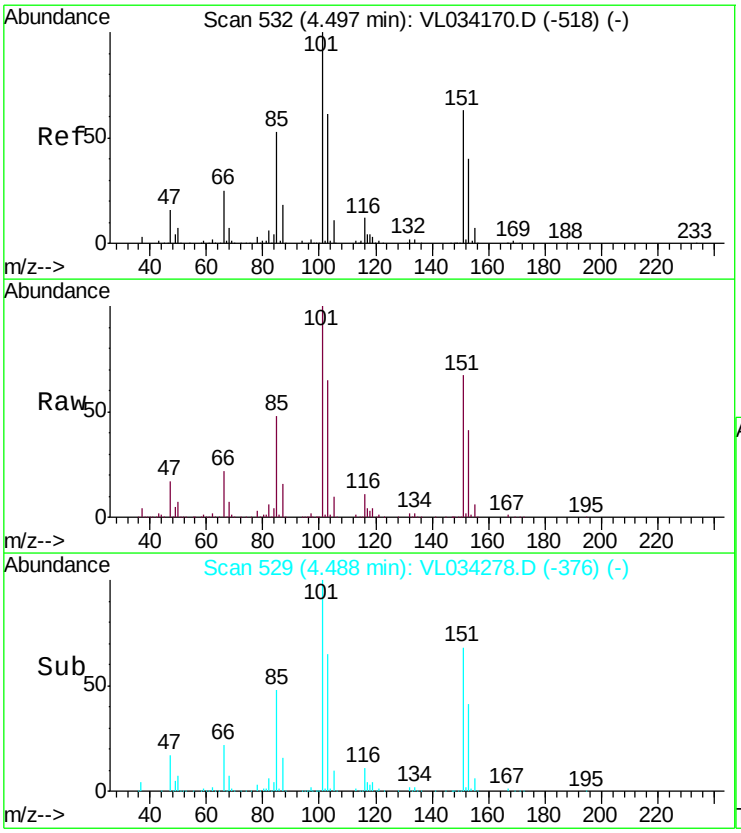
#11
Trichlorofluoromethane
Concen: 10.681 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1319554

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.1	78.1

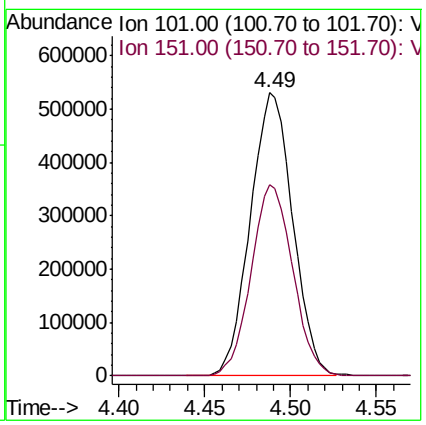


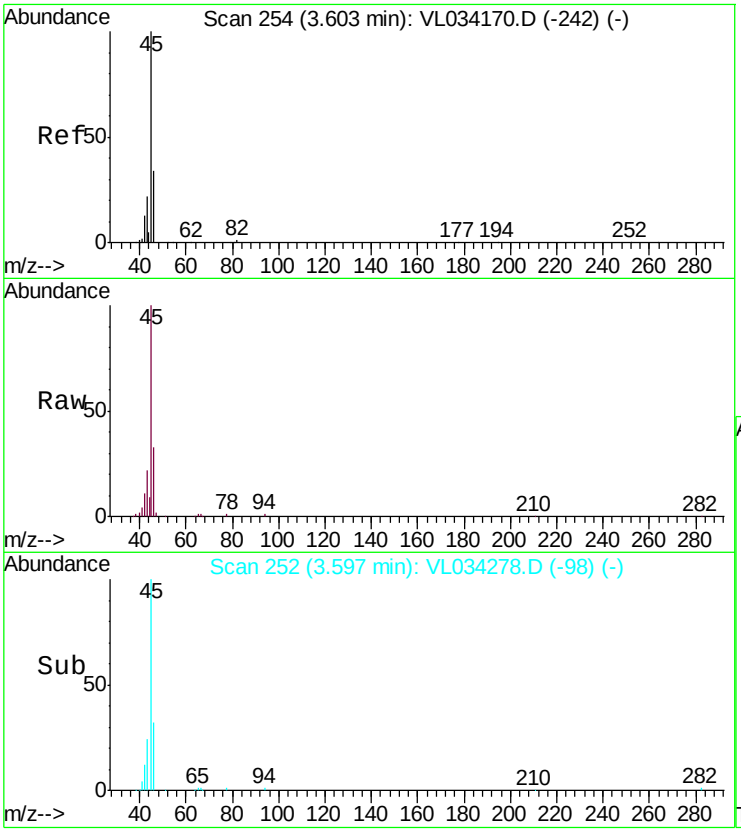


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.206 ppbv
RT: 4.49 min Scan# 529
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:101 Resp: 906029

Ion	Ratio	Lower	Upper
101	100		
151	66.3	51.8	77.8



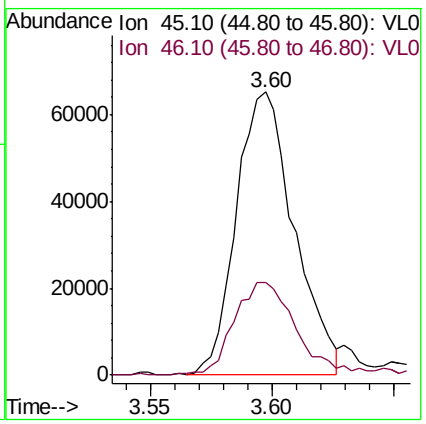


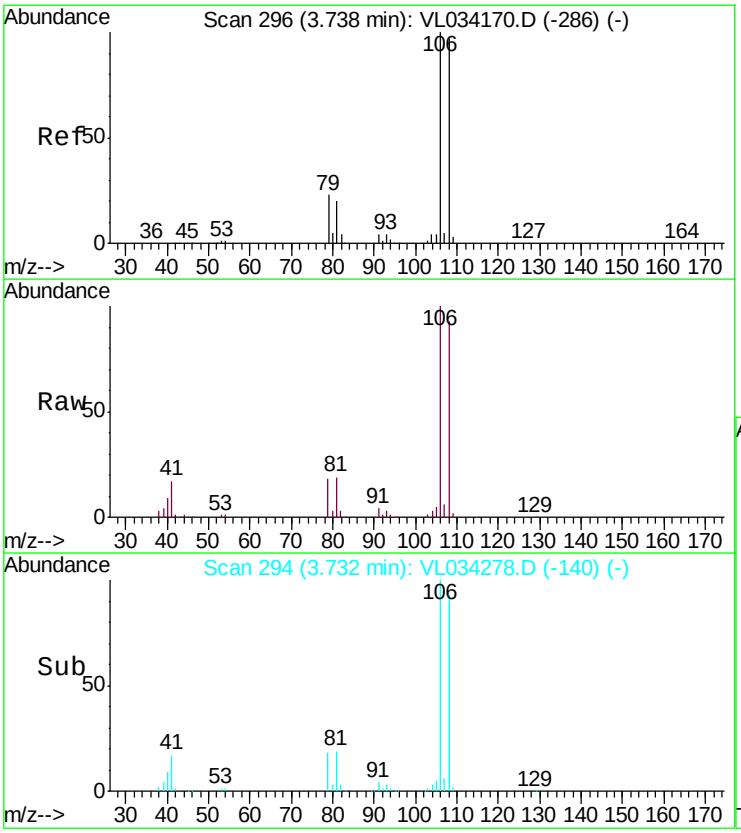
#13
Ethanol
Concen: 8.320 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 107092

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.5	61.9

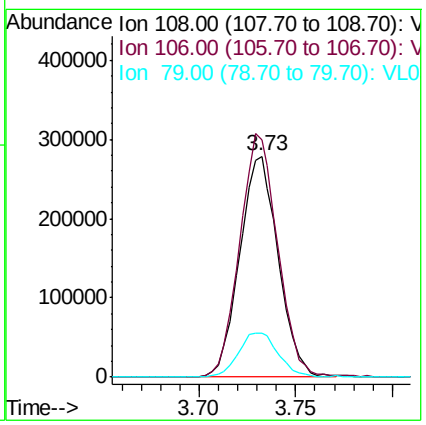


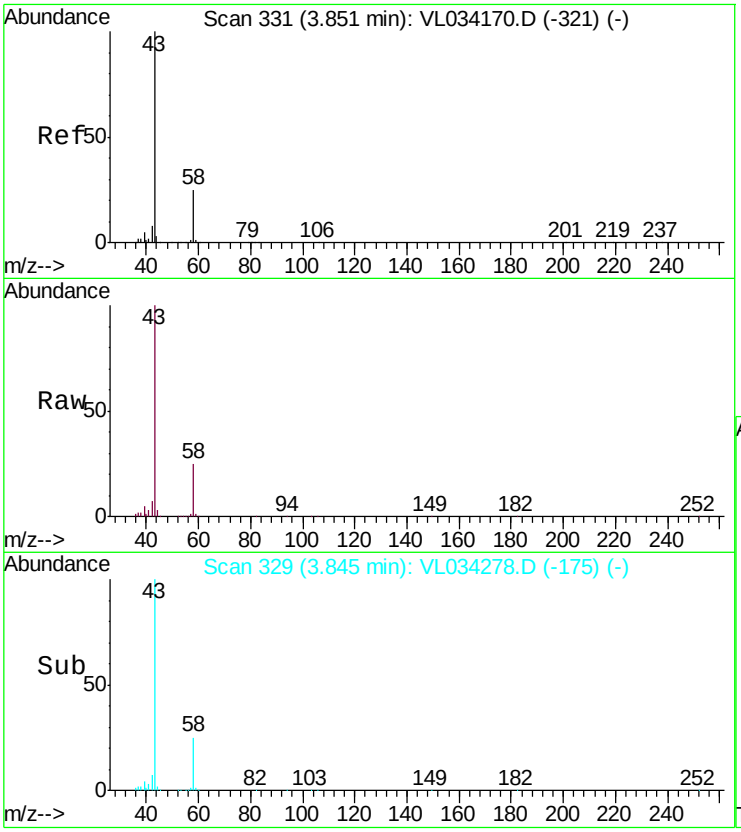


#14
Bromoethene
Concen: 11.697 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:108 Resp: 386663

Ion	Ratio	Lower	Upper
108	100		
106	109.1	86.2	129.4
79	21.0	18.6	27.8



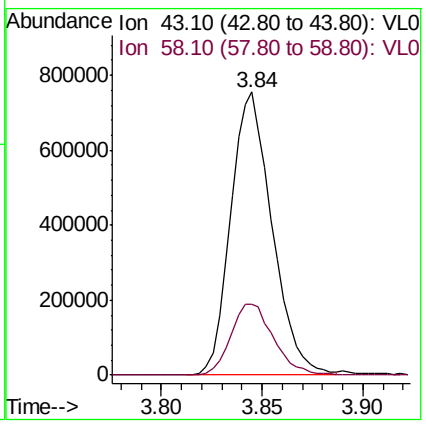


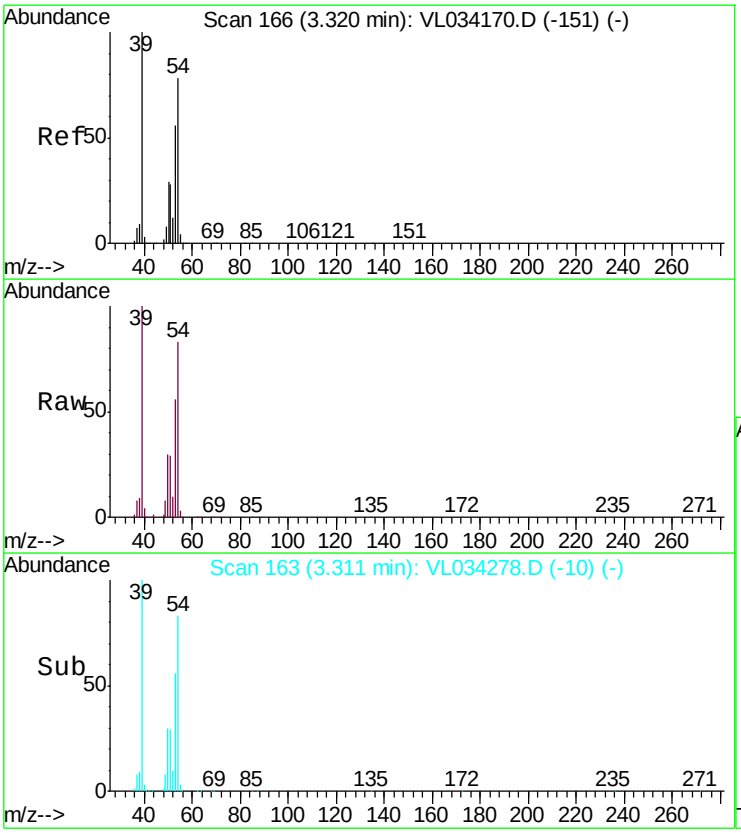
#15
Acetone
Concen: 8.805 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1084360

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.5	30.7

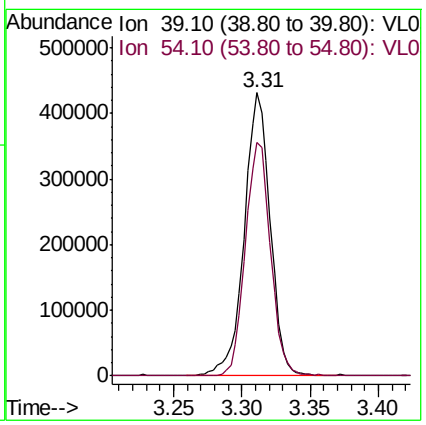


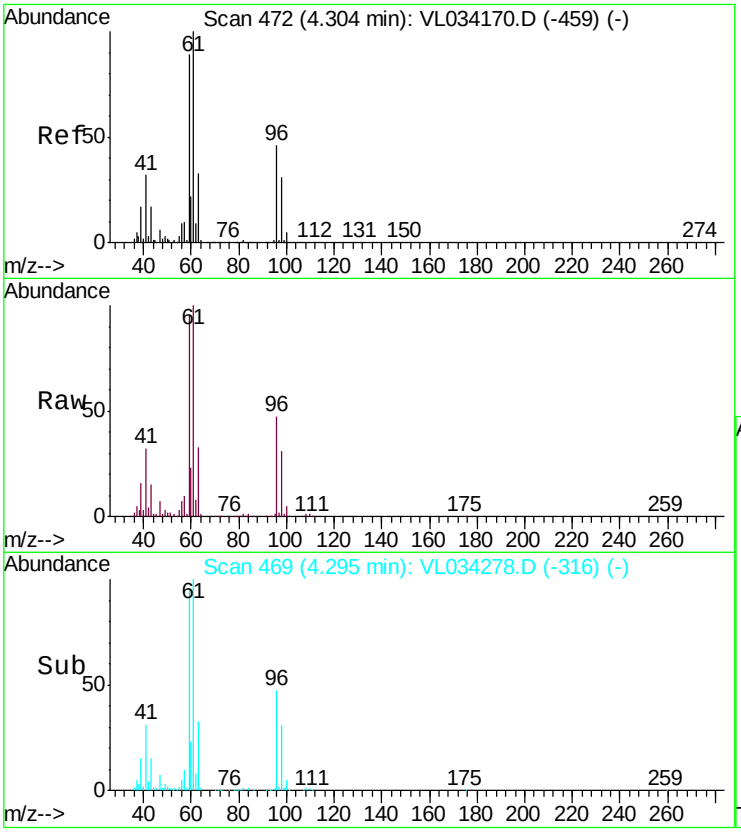


#16
1,3-Butadiene
Concen: 10.578 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 39 Resp: 568519

Ion	Ratio	Lower	Upper
39	100		
54	80.7	63.4	95.0



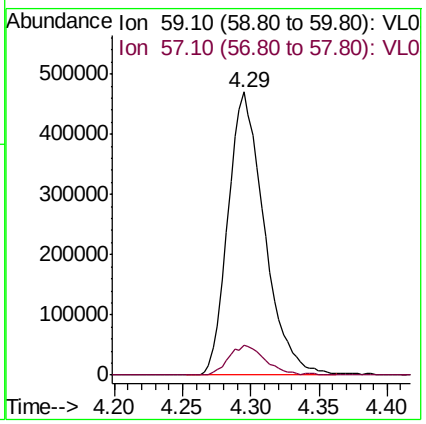


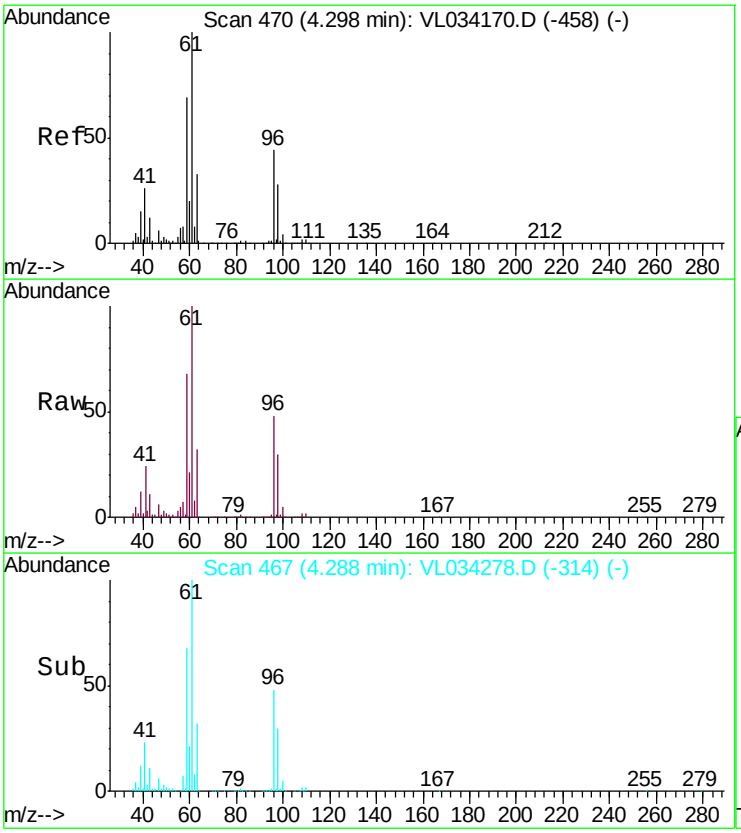
#17
tert-Butyl alcohol
Concen: 11.168 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 871485

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

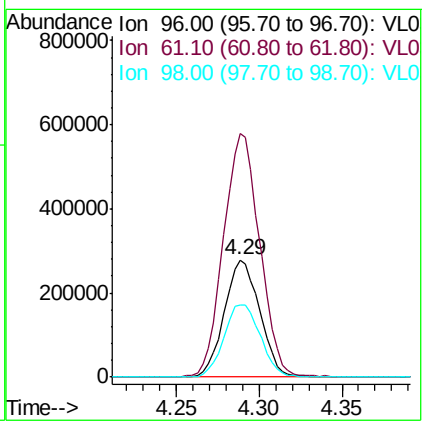


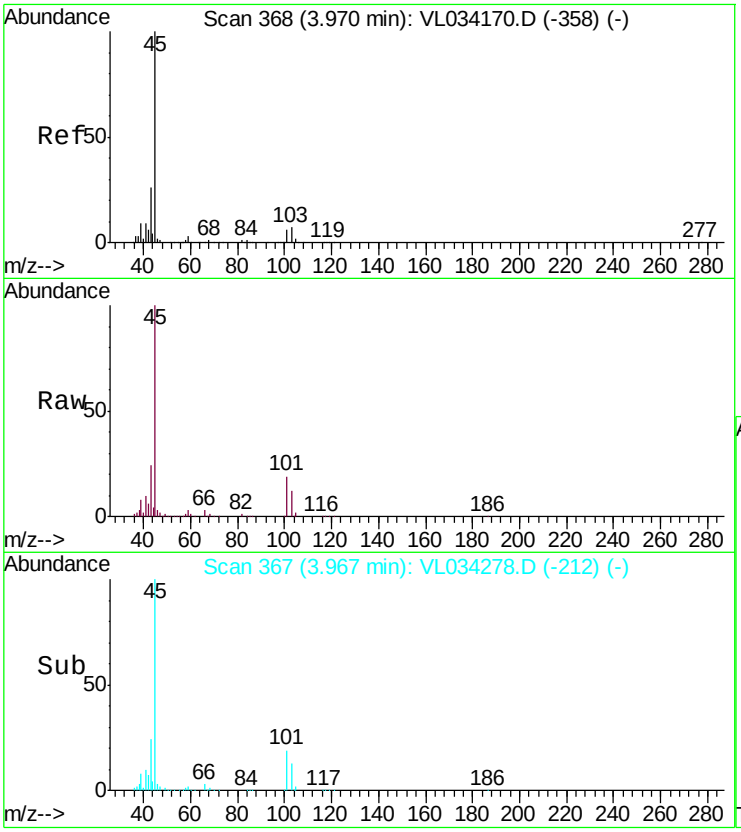


#18
1,1-Dichloroethene
Concen: 11.692 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 96 Resp: 412315

Ion	Ratio	Lower	Upper
96	100		
61	207.9	183.3	274.9
98	61.8	51.4	77.2



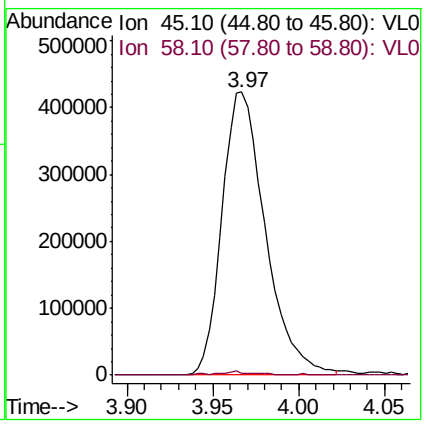


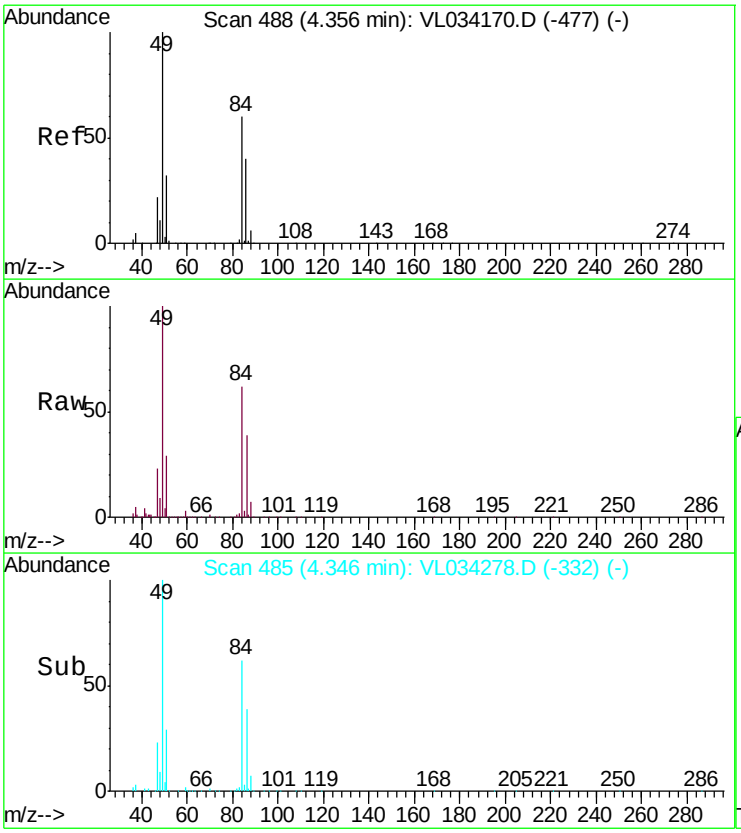
#19
Isopropyl Alcohol
Concen: 9.775 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 740233

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.0

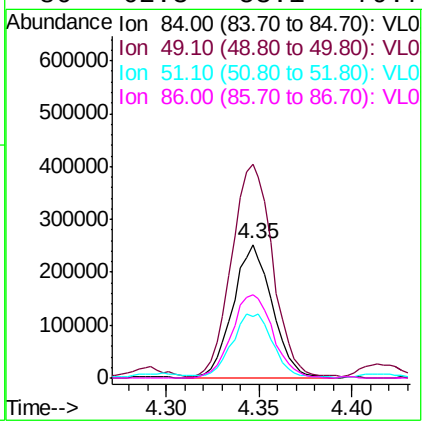


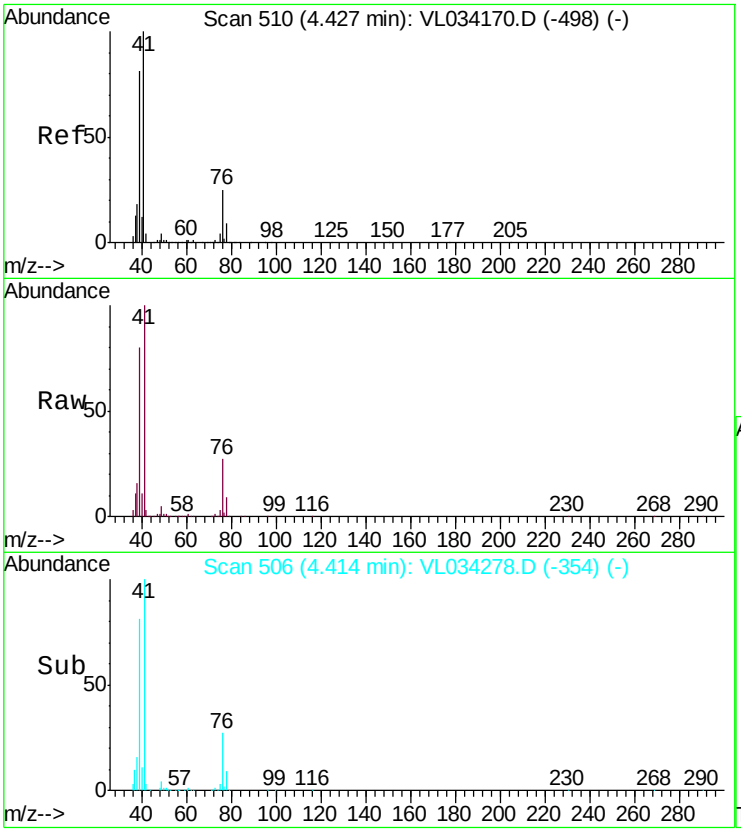


#20
Methylene Chloride
Concen: 10.382 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 84 Resp: 368650

Ion	Ratio	Lower	Upper
84	100		
49	159.9	133.8	200.8
51	45.8	43.6	65.4
86	62.3	53.1	79.7



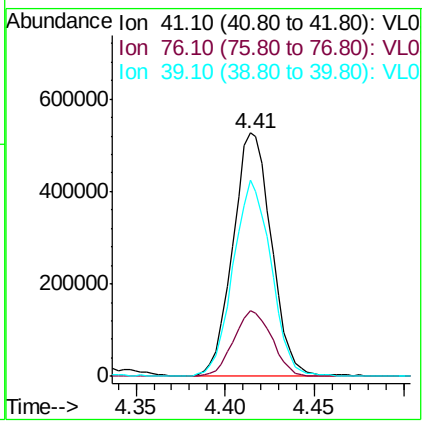


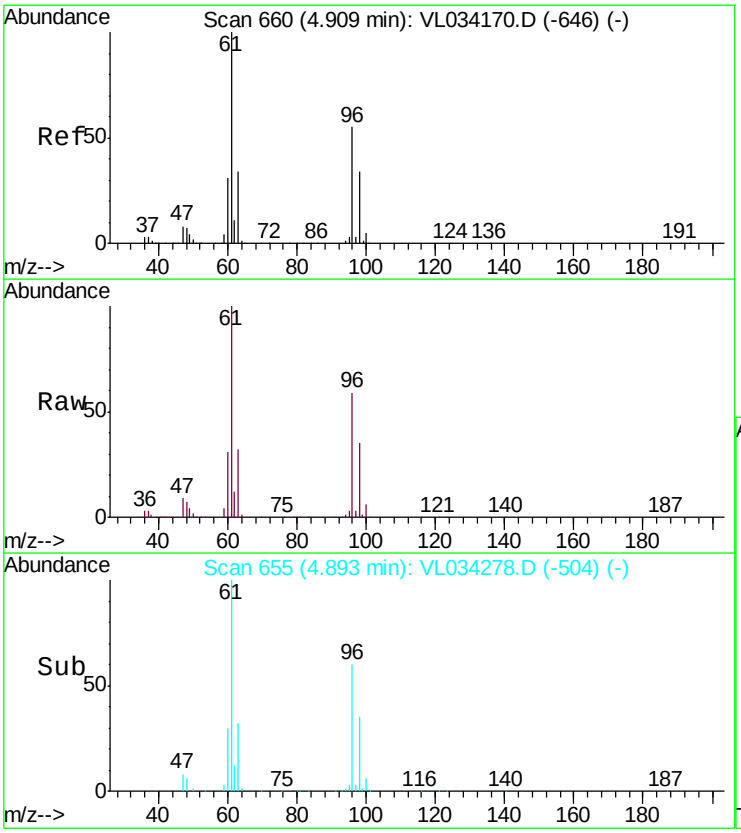
#21
Allyl Chloride
Concen: 11.292 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 785464

Ion	Ratio	Lower	Upper
41	100		
76	27.0	21.8	32.6
39	79.7	64.8	97.2

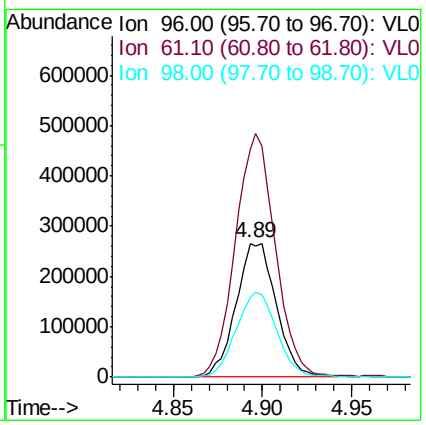


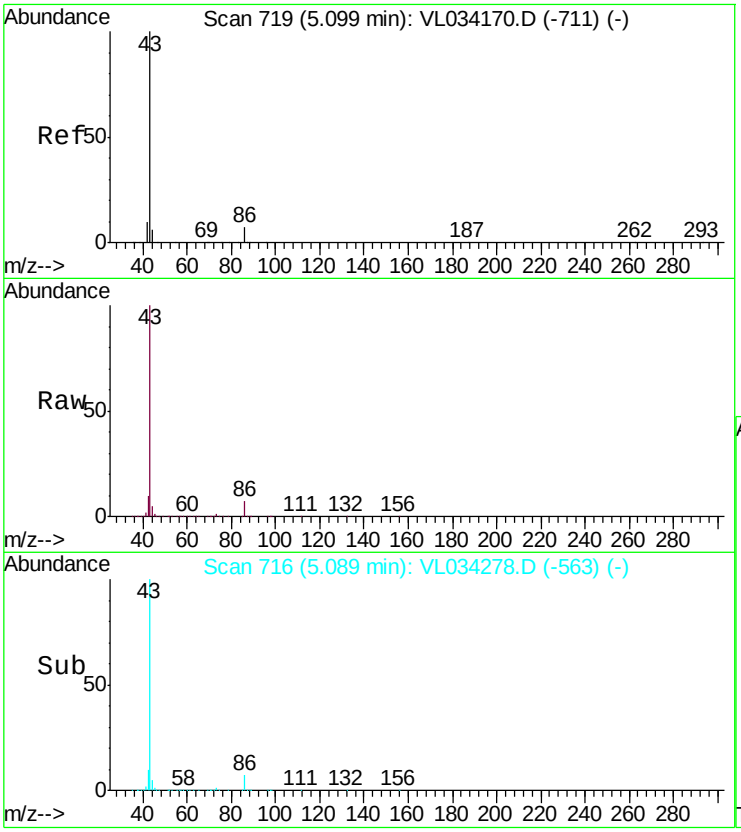


#22
trans-1,2-Dichloroethene
Concen: 11.905 ppbv
RT: 4.89 min Scan# 655
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 96 Resp: 420035

Ion	Ratio	Lower	Upper
96	100		
61	169.7	145.5	218.3
98	59.5	49.9	74.9



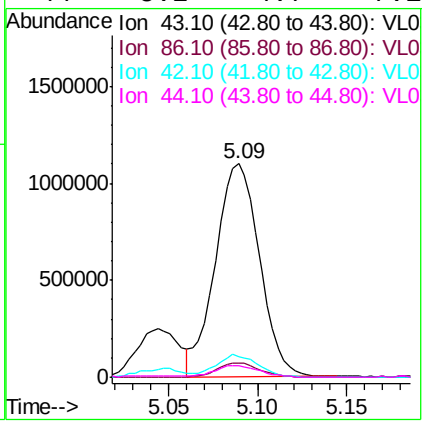


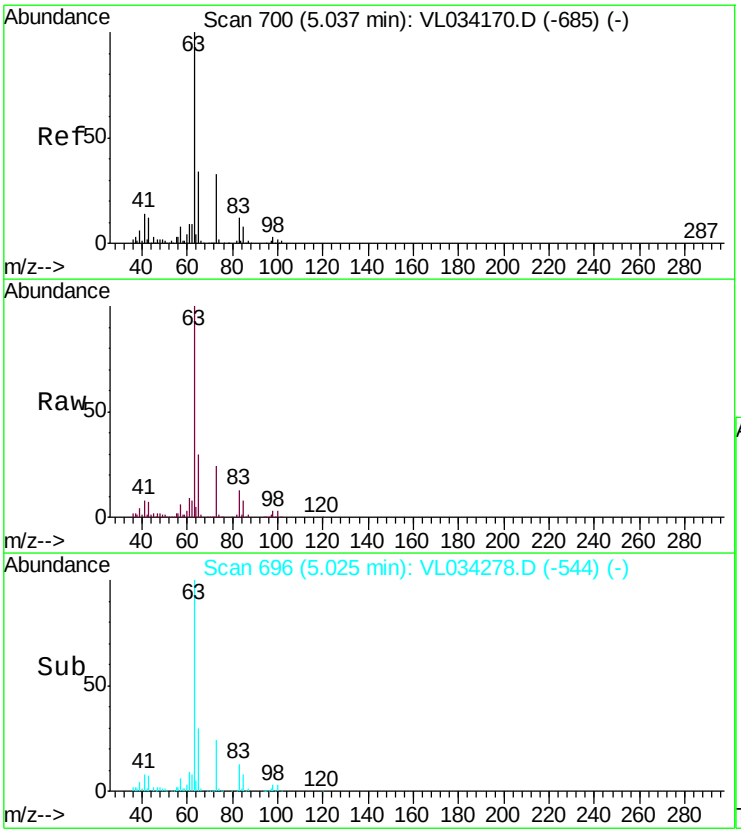
#23
Vinyl Acetate
Concen: 10.391 ppbv
RT: 5.09 min Scan# 716
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1885824

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.1	7.7
42	9.7	8.6	12.8
44	5.2	4.7	7.1

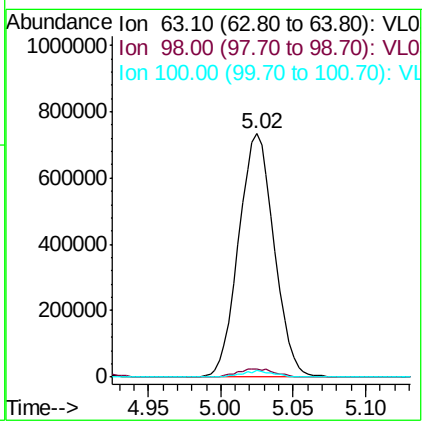


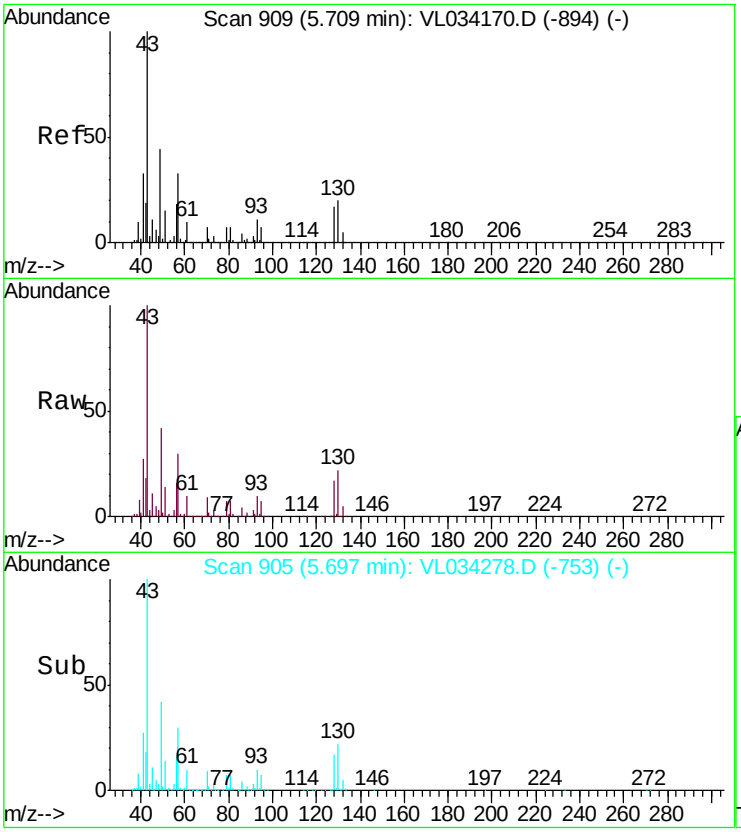


#24
1,1-Dichloroethane
Concen: 10.188 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 63 Resp: 1244954

Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.8	5.3
100	2.8	1.0	3.0



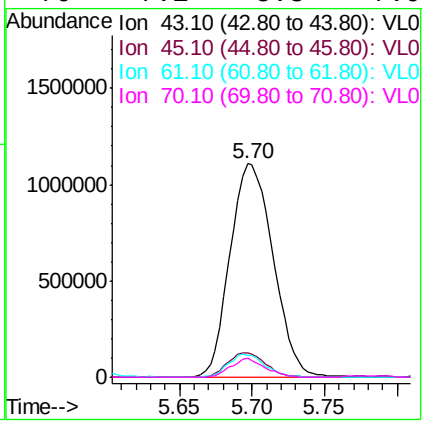


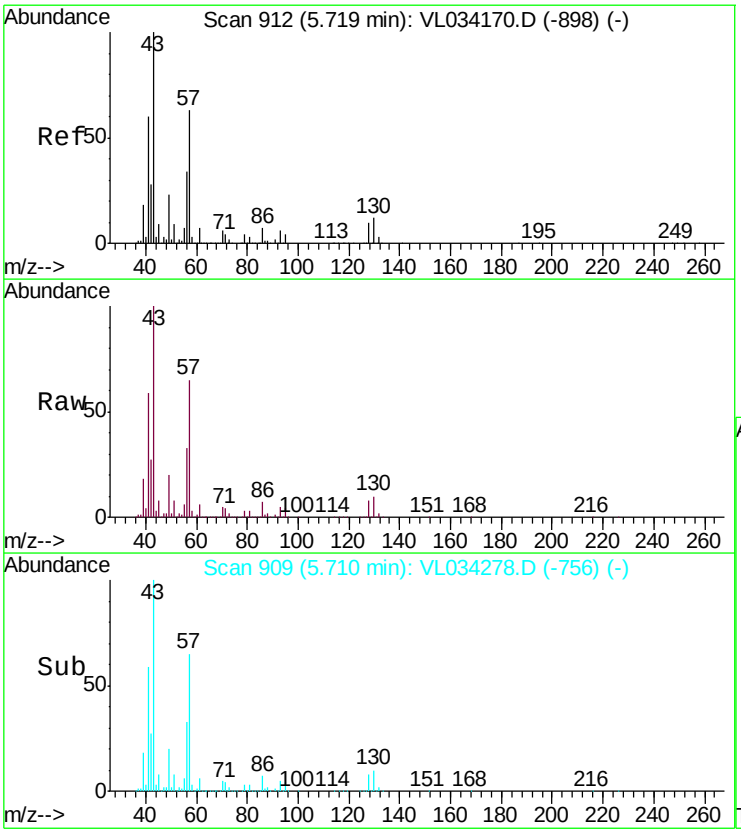
#25
Ethyl Acetate
Concen: 9.837 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2290773

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	9.4	7.2	10.8
70	7.1	5.3	7.9

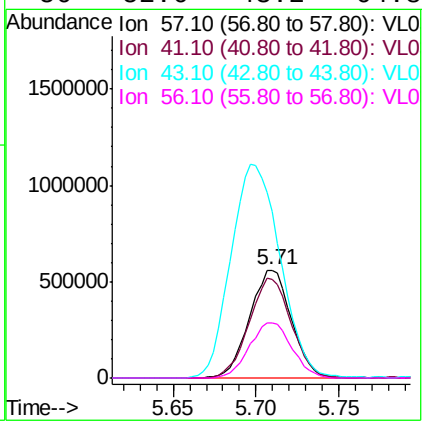


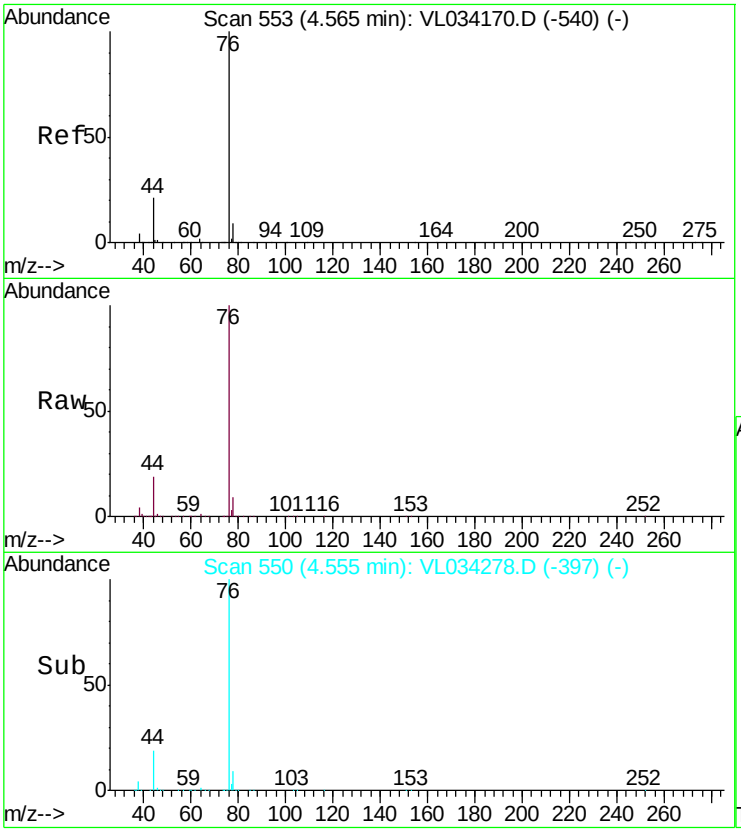


#26
Hexane
Concen: 10.169 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 57 Resp: 985067

Ion	Ratio	Lower	Upper
57	100		
41	94.2	78.5	117.7
43	233.8	189.5	284.3
56	52.6	43.2	64.8



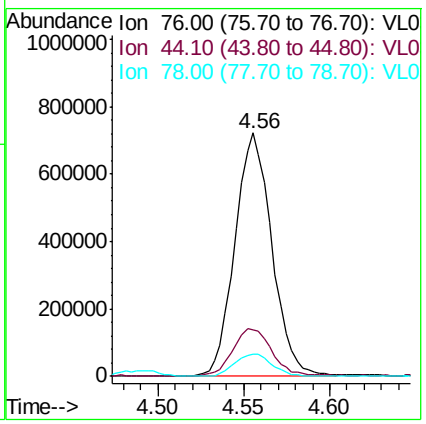


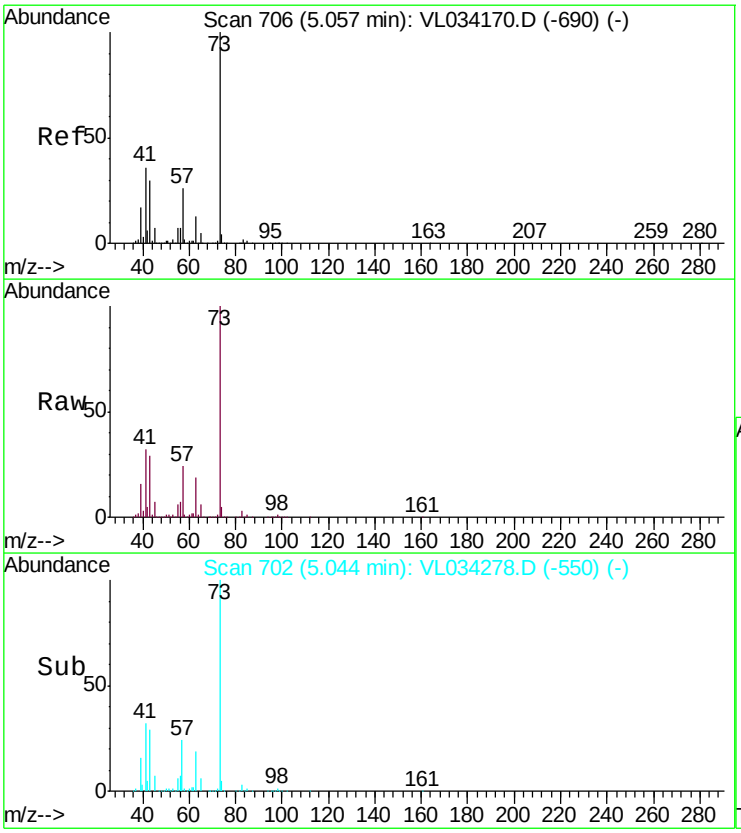
#27
Carbon Disulfide
Concen: 12.073 ppbv
RT: 4.56 min Scan# 550
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1078601

Ion	Ratio	Lower	Upper
76	100		
44	20.6	17.6	26.4
78	9.5	7.6	11.4

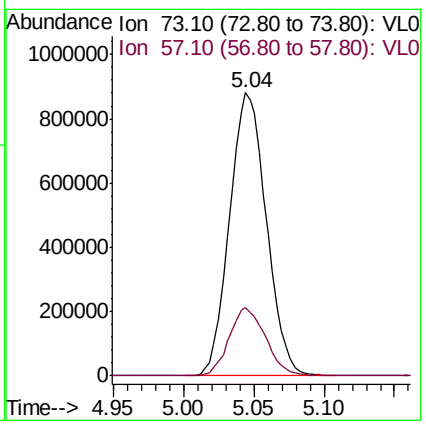


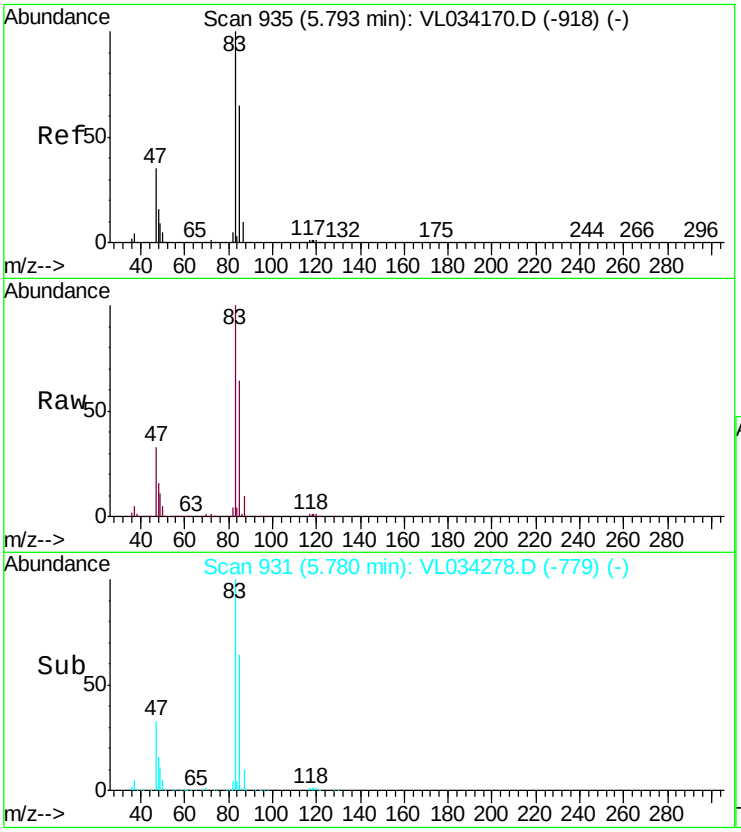


#28
Methyl tert-Butyl Ether
Concen: 11.195 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 73 Resp: 1610660

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.2	30.2



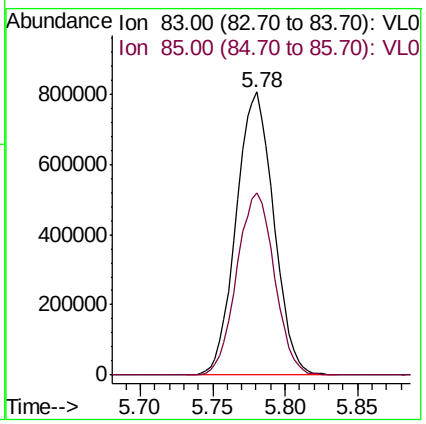


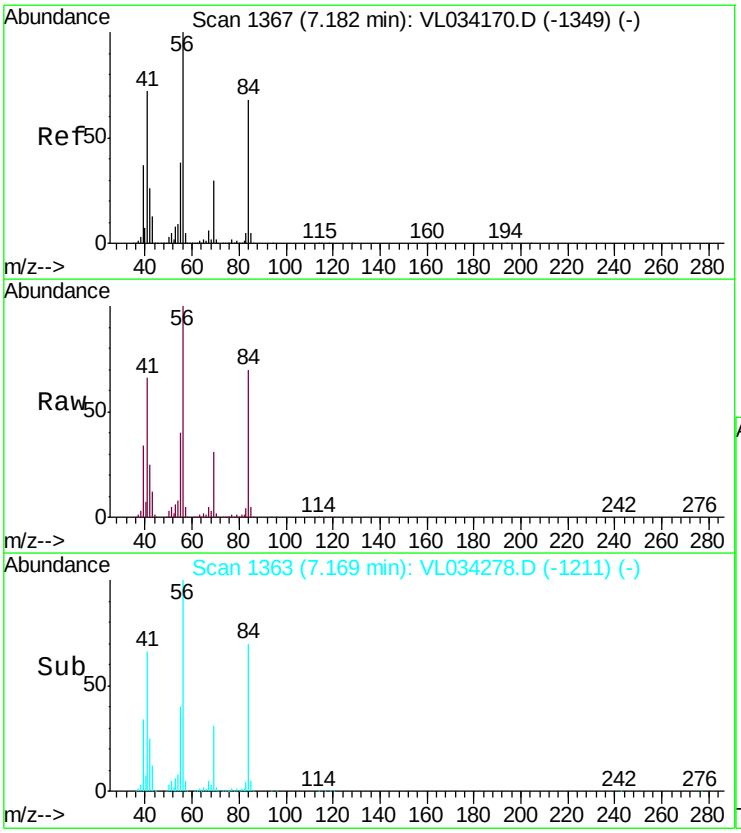
#29
Chloroform
Concen: 10.490 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1452191

Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5

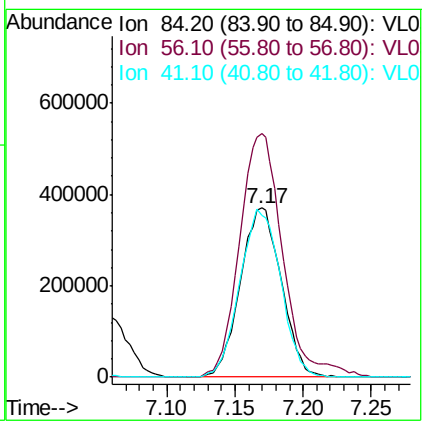


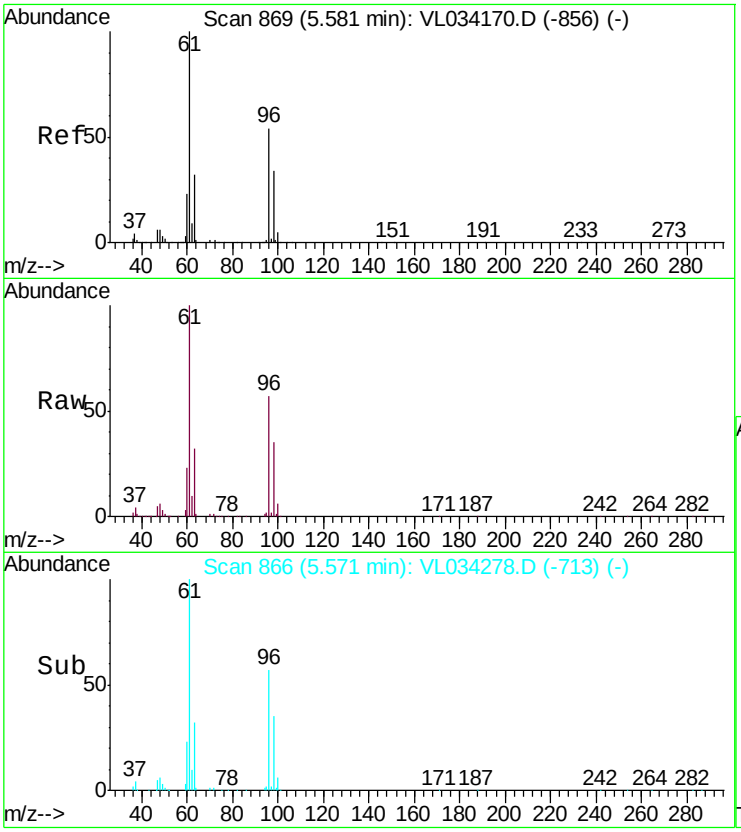


#30
Cyclohexane
Concen: 11.081 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 84 Resp: 775012

Ion	Ratio	Lower	Upper
84	100		
56	151.6	126.2	189.2
41	99.0	85.8	128.8



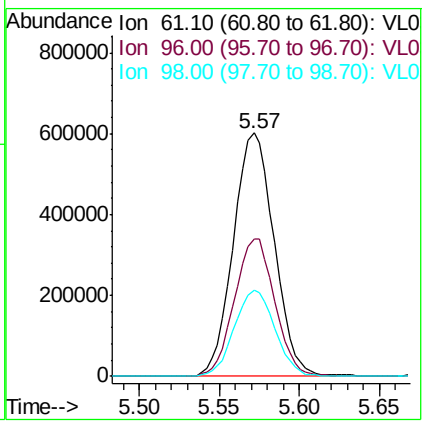


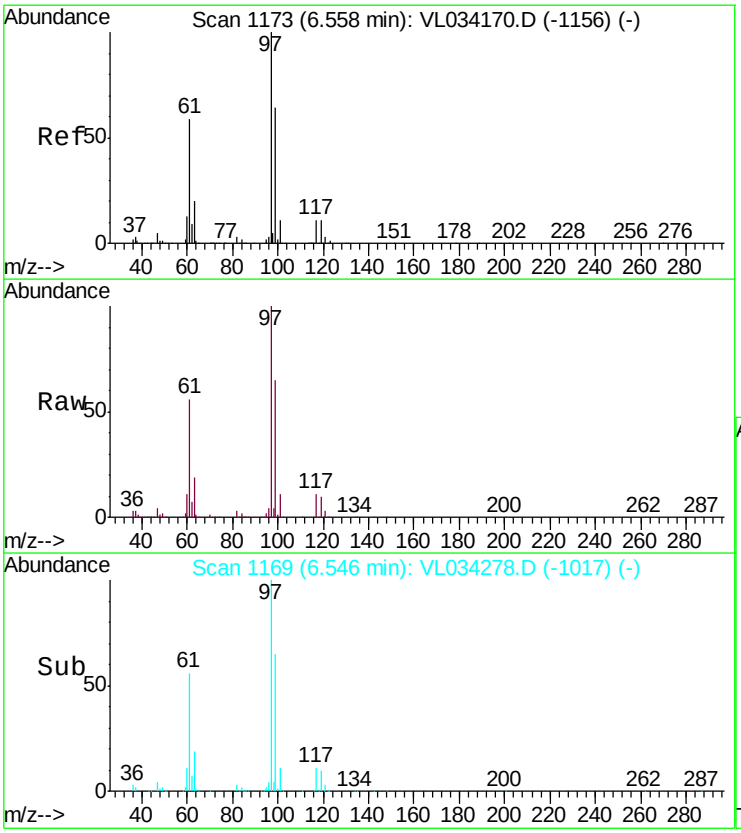
#31
cis-1,2-Dichloroethene
Concen: 10.572 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1044073

Ion	Ratio	Lower	Upper
61	100		
96	56.5	43.0	64.4
98	35.3	27.2	40.8

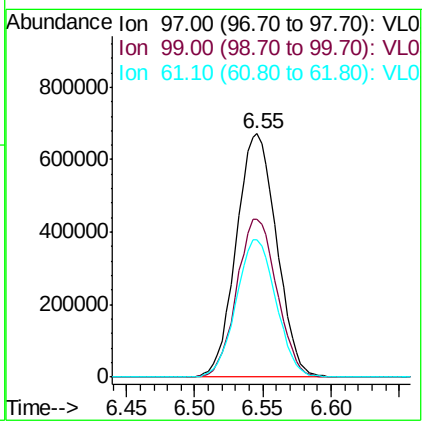


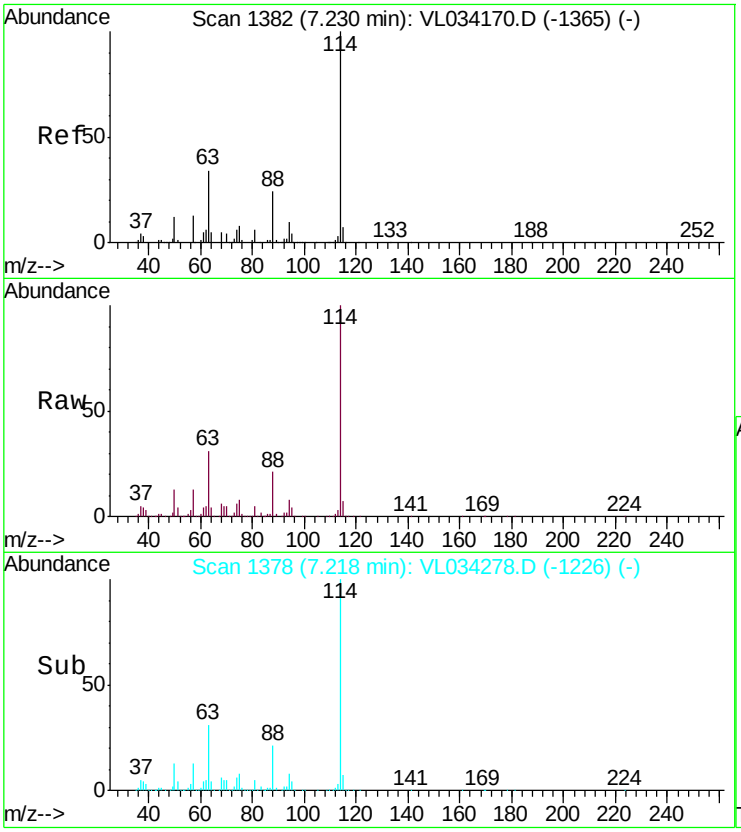


#32
1,1,1-Trichloroethane
Concen: 10.317 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 97 Resp: 1377405

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	56.1	48.4	72.6



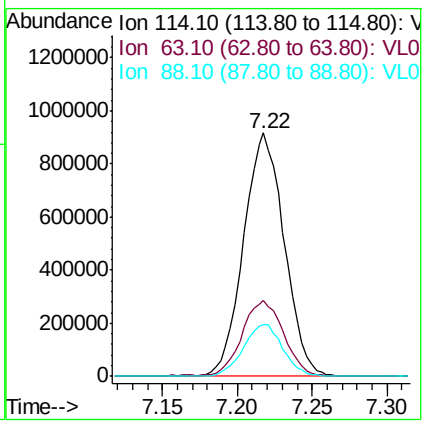


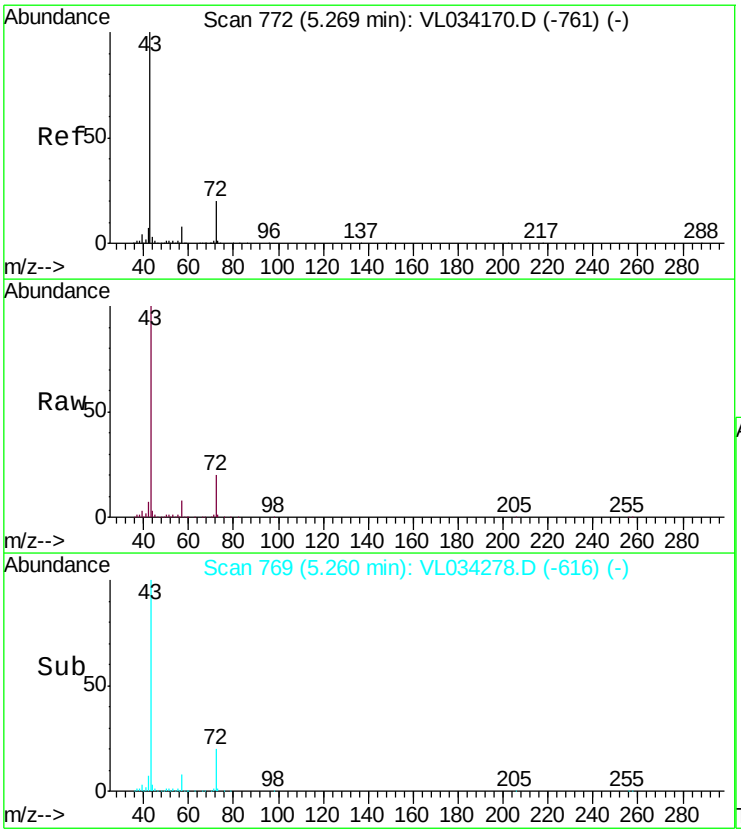
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1730888

Ion	Ratio	Lower	Upper
114	100		
63	32.3	27.8	41.6
88	21.0	17.1	25.7

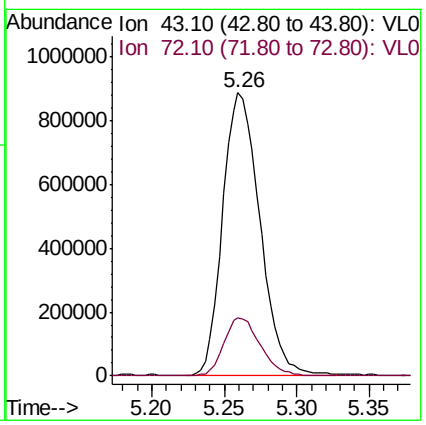


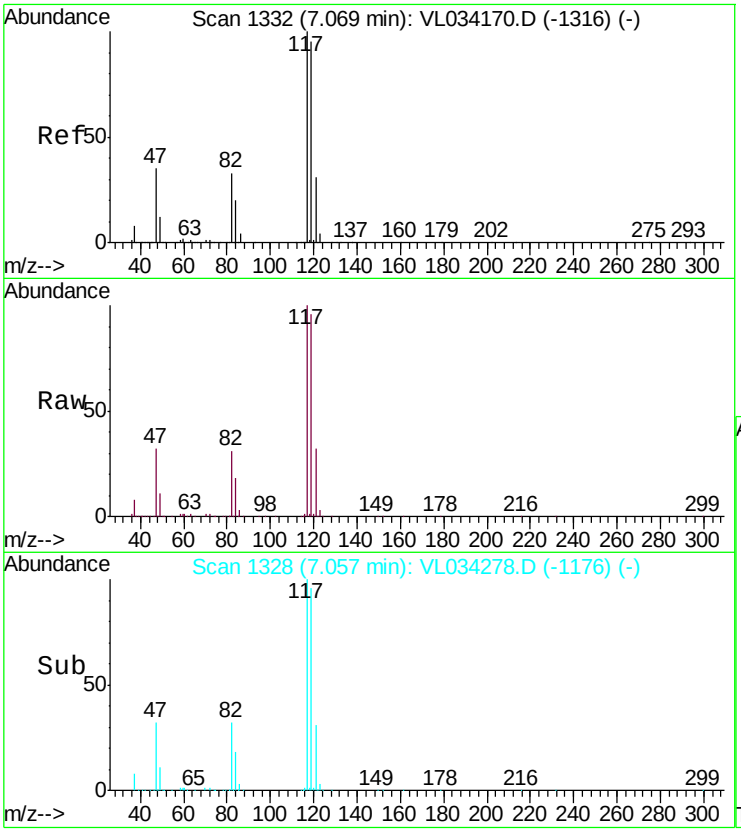


#34
2-Butanone
Concen: 8.880 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 43 Resp: 1569347

Ion	Ratio	Lower	Upper
43	100		
72	20.3	15.0	22.6



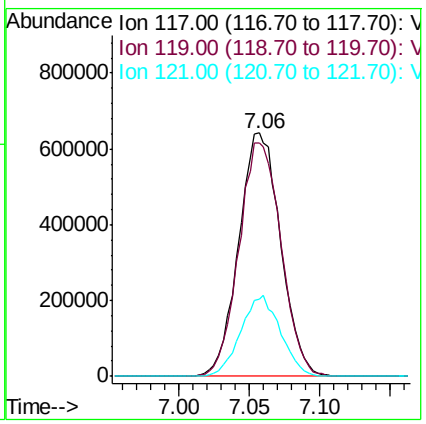


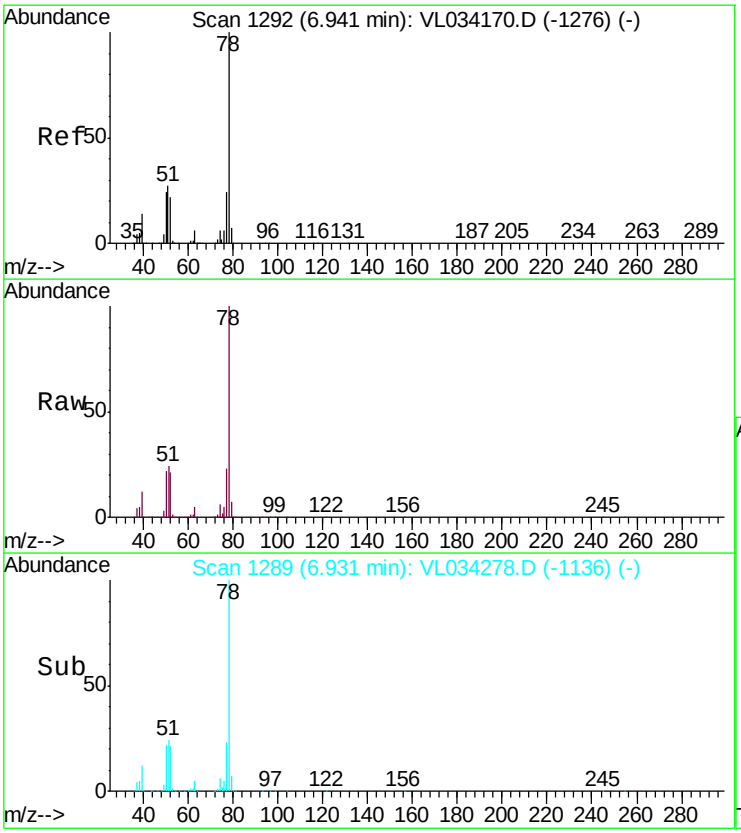
#35
Carbon Tetrachloride
Concen: 9.245 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1329417

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.8	113.6
121	31.5	25.0	37.6

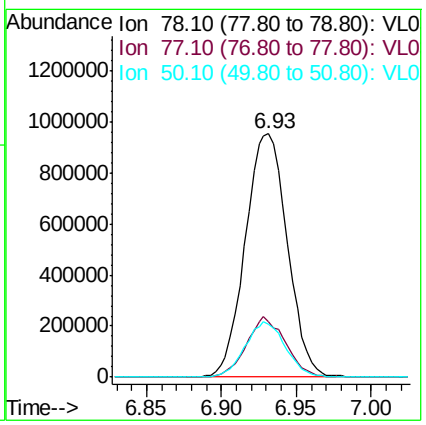


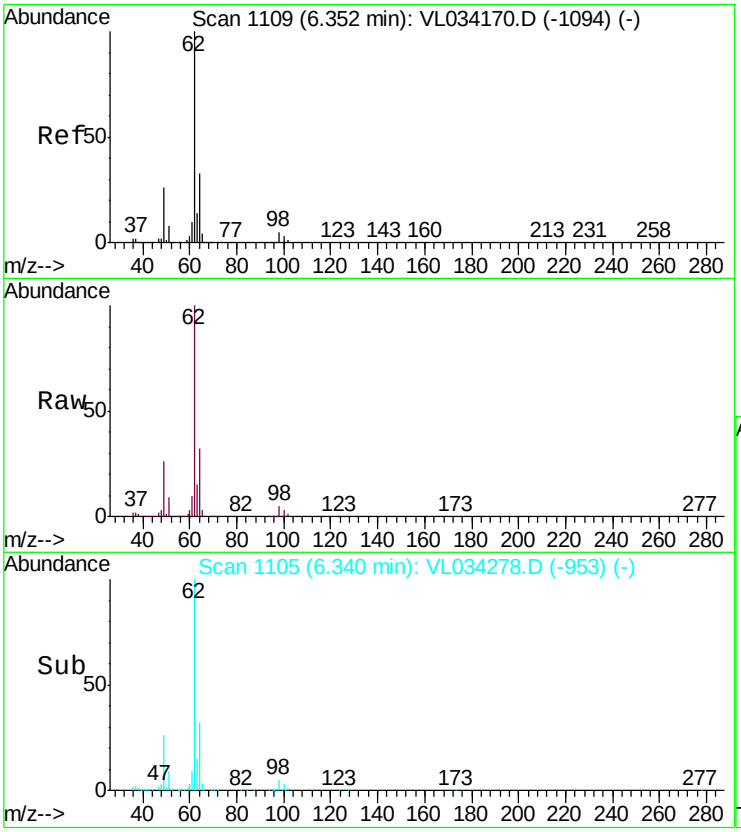


#36
Benzene
Concen: 9.752 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 78 Resp: 1864243

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
50	21.7	18.9	28.3



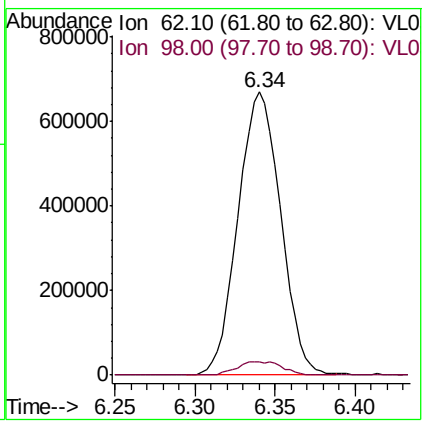


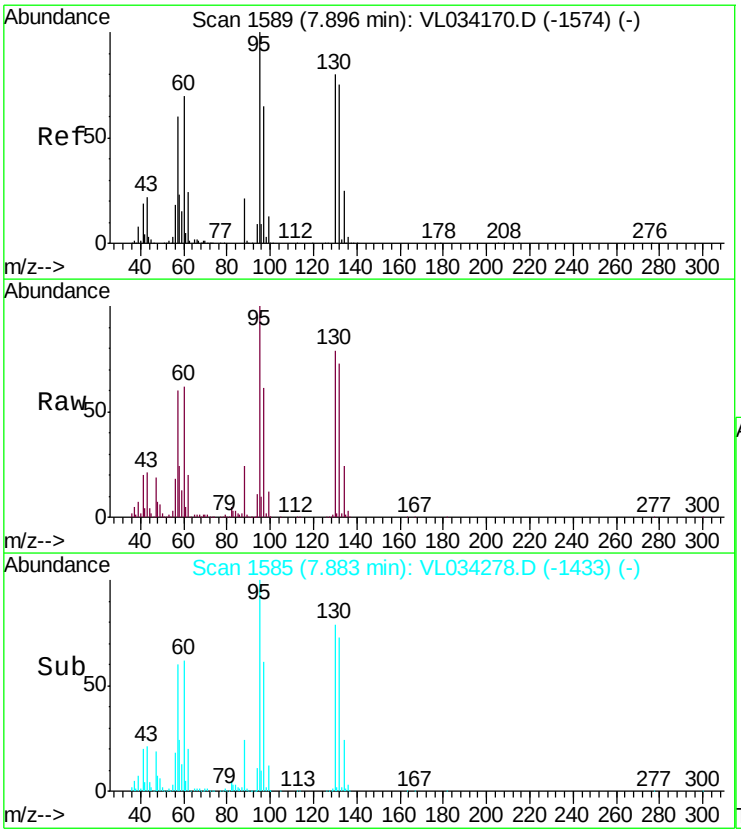
#37
1,2-Dichloroethane
Concen: 8.993 ppbv
RT: 6.34 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1222769

Ion	Ratio	Lower	Upper
62	100		
98	5.2	3.8	5.8

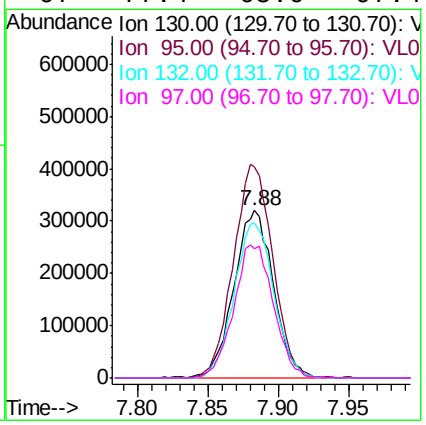


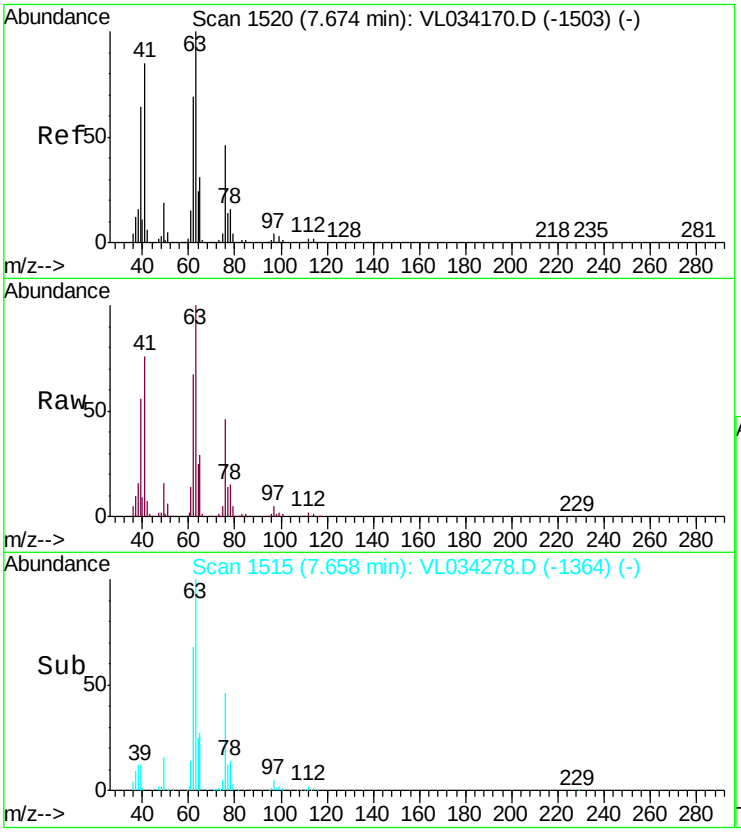


#38
Trichloroethene
Concen: 9.151 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:130 Resp: 625022

Ion	Ratio	Lower	Upper
130	100		
95	126.7	99.8	149.6
132	92.3	75.2	112.8
97	77.4	65.0	97.4



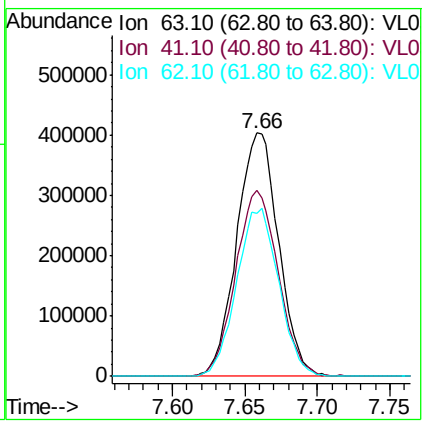


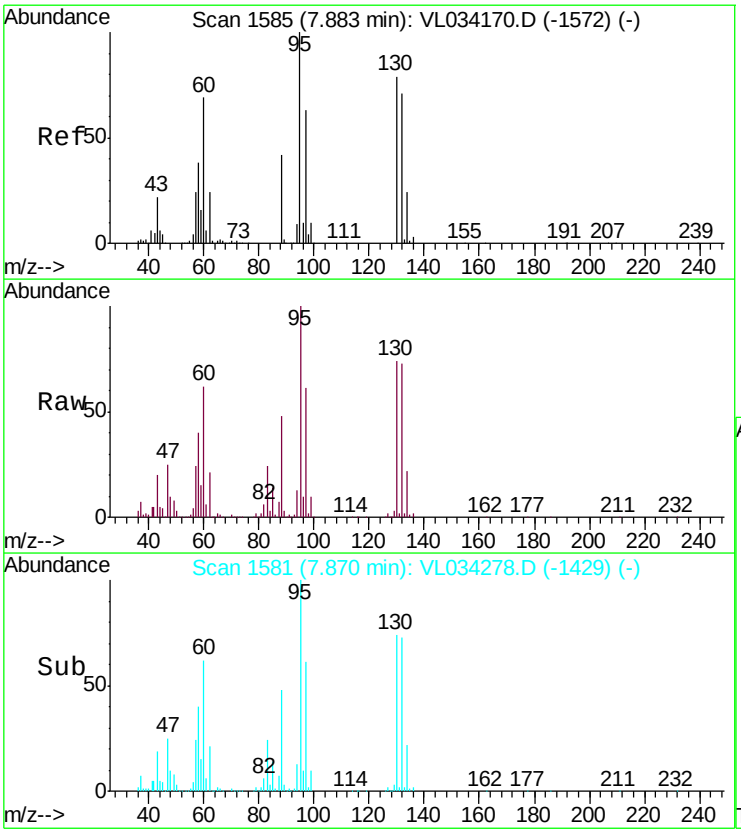
#39
1,2-Dichloropropane
Concen: 9.427 ppbv
RT: 7.66 min Scan# 1515
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 809727

Ion	Ratio	Lower	Upper
63	100		
41	76.3	68.4	102.6
62	67.2	55.4	83.2

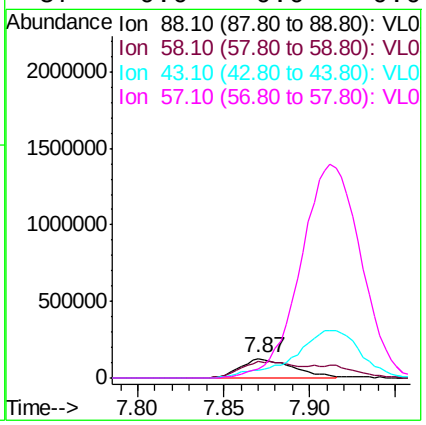


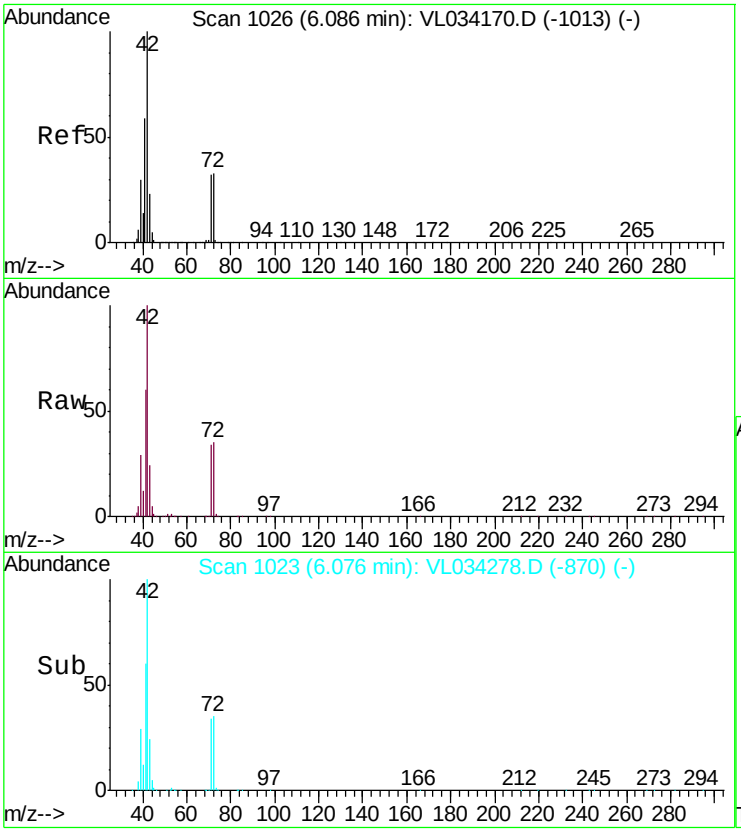


#40
1,4-Dioxane
Concen: 9.437 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 88 Resp: 262297

Ion	Ratio	Lower	Upper
88	100		
58	151.4	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



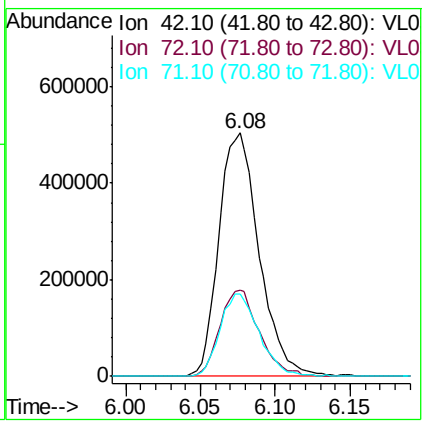


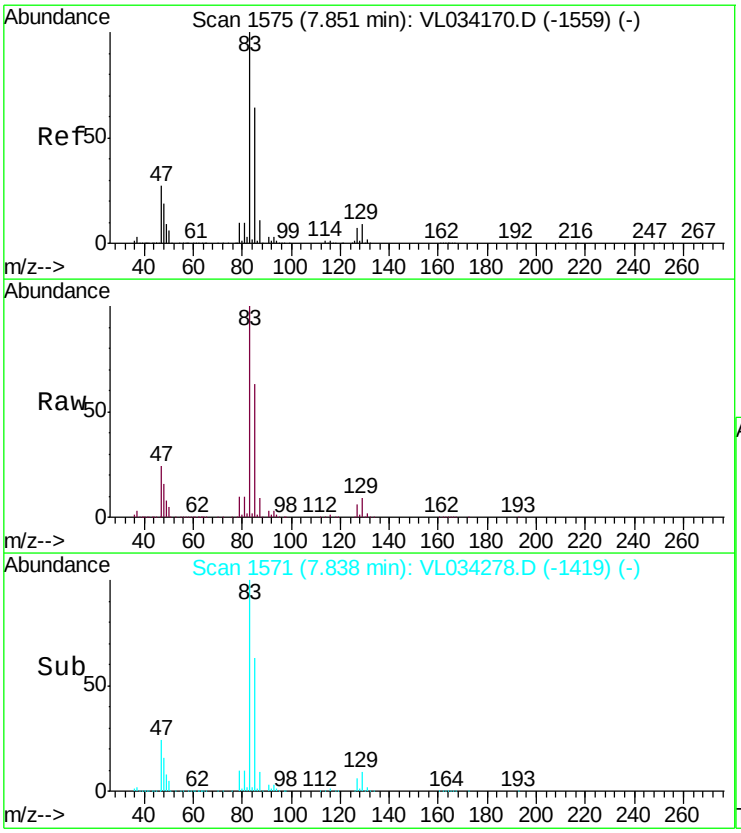
#41
Tetrahydrofuran
Concen: 9.460 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 941661

Ion	Ratio	Lower	Upper
42	100		
72	35.1	26.6	40.0
71	33.1	25.1	37.7

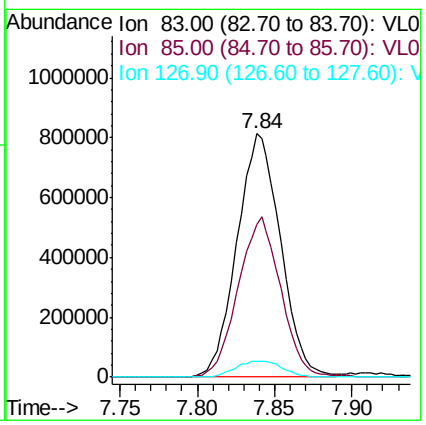


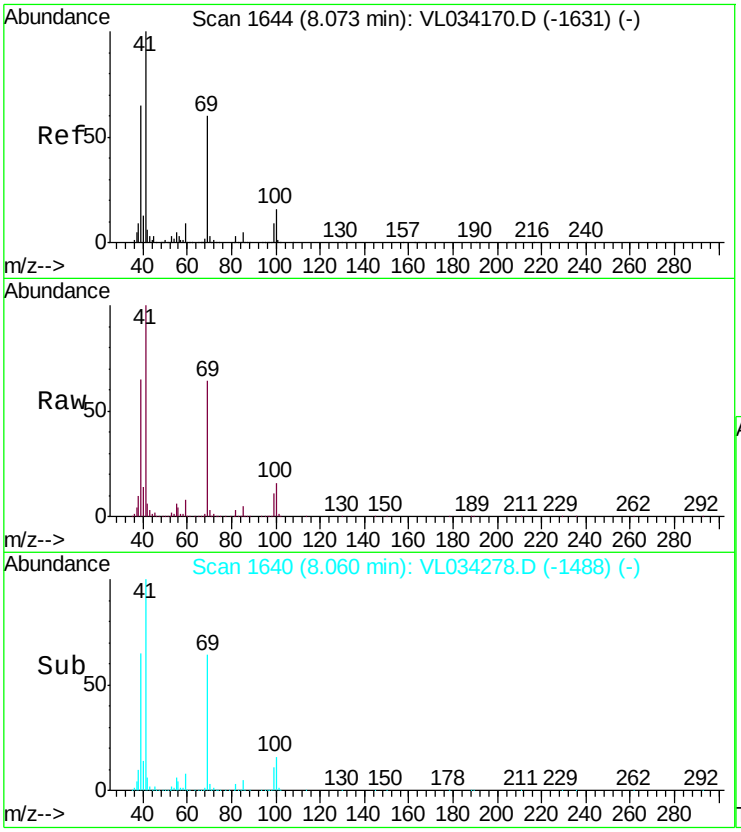


#42
Bromodichloromethane
Concen: 9.736 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 83 Resp: 1588793

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.0
127	6.4	5.5	8.3



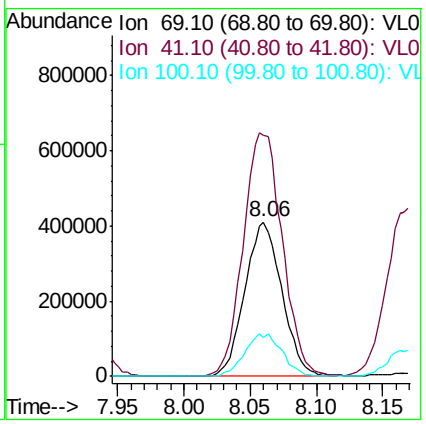


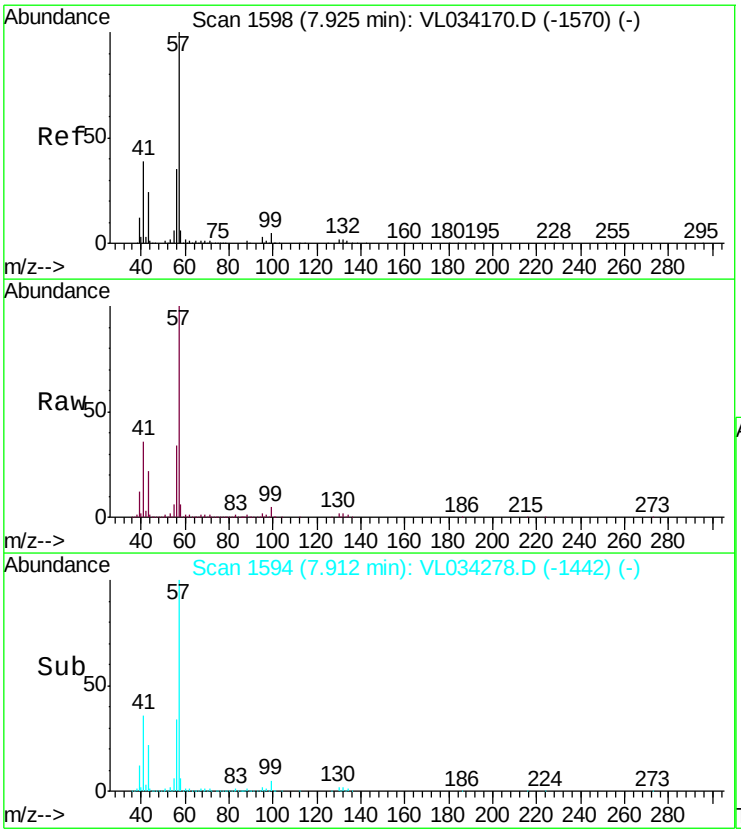
#43
Methyl Methacrylate
Concen: 10.105 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 797994

Ion	Ratio	Lower	Upper
69	100		
41	166.0	140.4	210.6
100	27.9	21.9	32.9

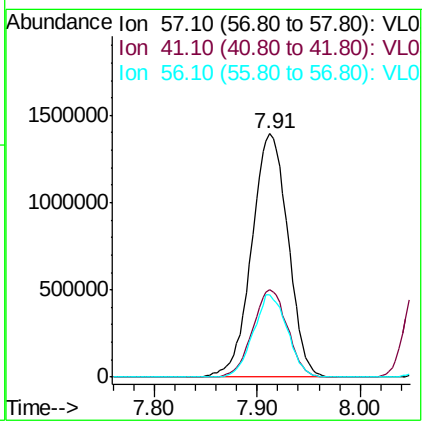


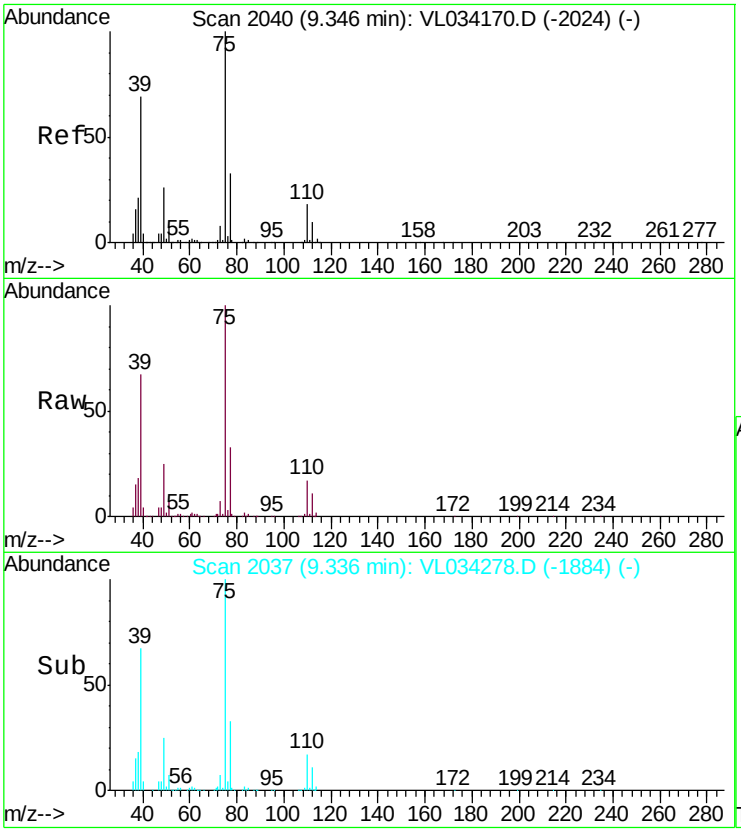


#44
2,2,4-Trimethylpentane
Concen: 9.241 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 57 Resp: 3401016

Ion	Ratio	Lower	Upper
57	100		
41	34.3	29.8	44.6
56	31.8	25.9	38.9



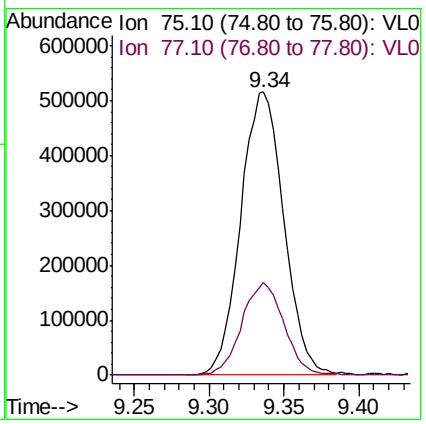


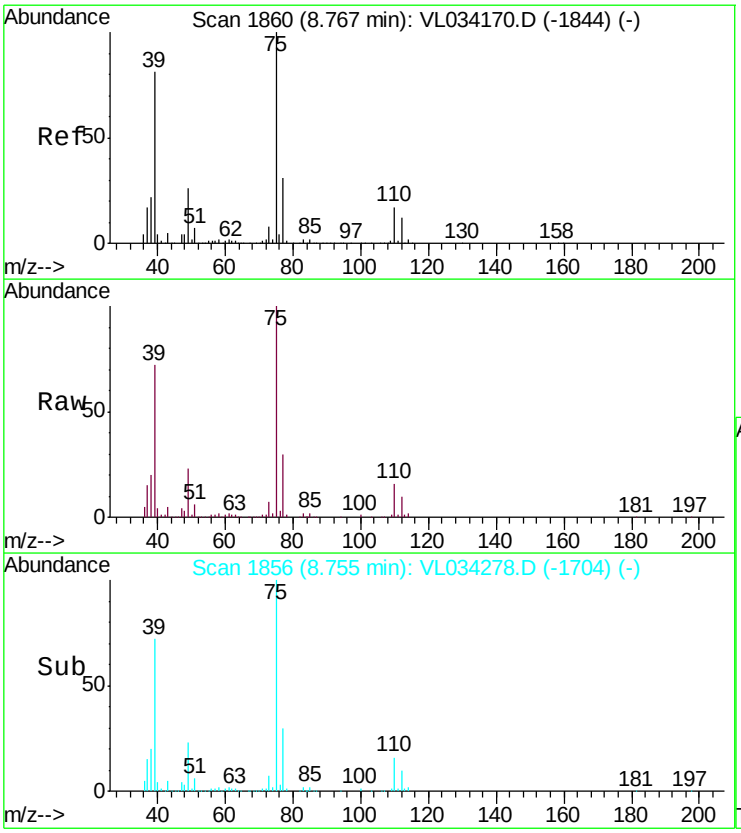
#45
t-1,3-Dichloropropene
Concen: 11.095 ppbv
RT: 9.34 min Scan# 2037
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1036007

Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.2

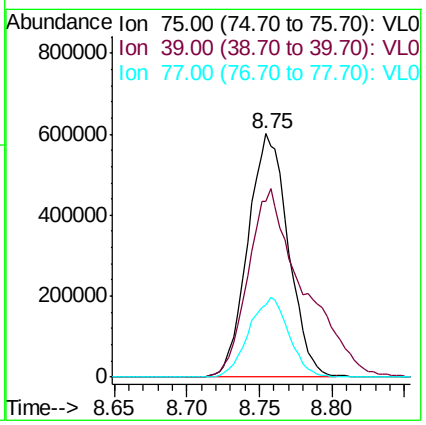


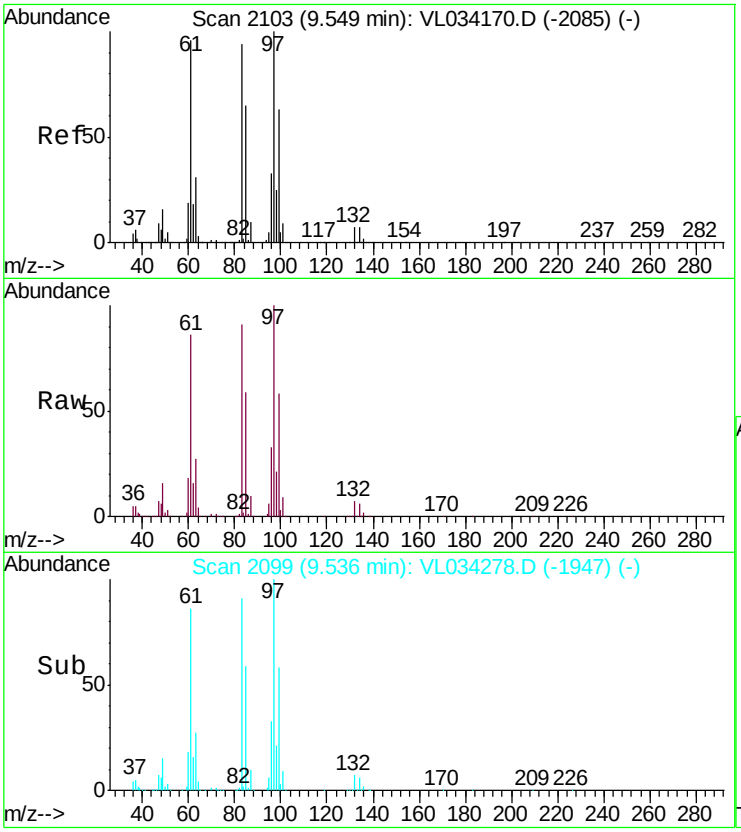


#46
cis-1,3-Dichloropropene
Concen: 10.385 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 75 Resp: 1166397

Ion	Ratio	Lower	Upper
75	100		
39	72.0	65.0	97.4
77	29.7	24.5	36.7



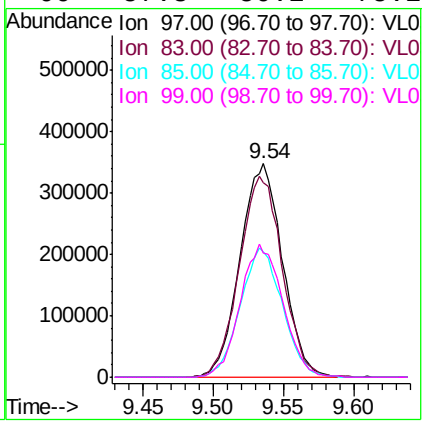


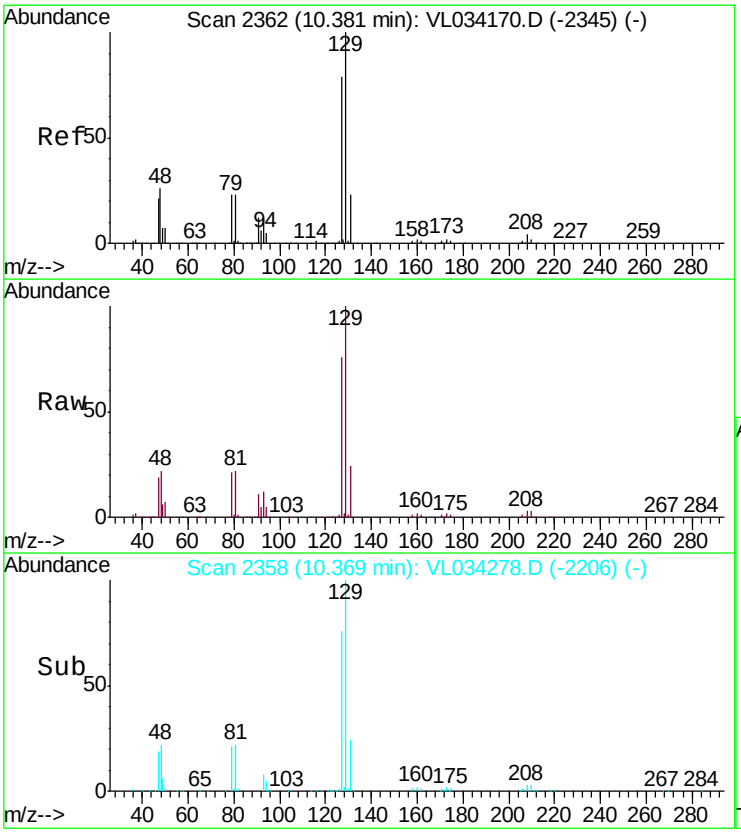
#47
1,1,2-Trichloroethane
Concen: 9.493 ppbv
RT: 9.54 min Scan# 2099
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 732162

Ion	Ratio	Lower	Upper
97	100		
83	91.2	75.3	112.9
85	58.8	52.1	78.1
99	57.8	50.2	75.2

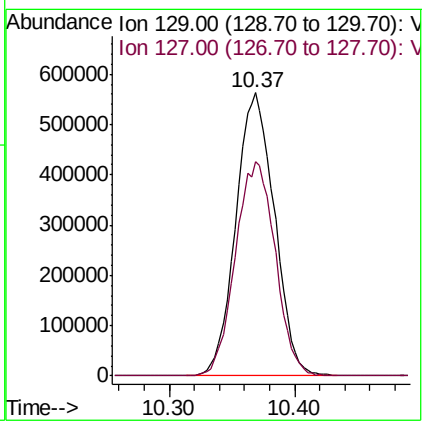


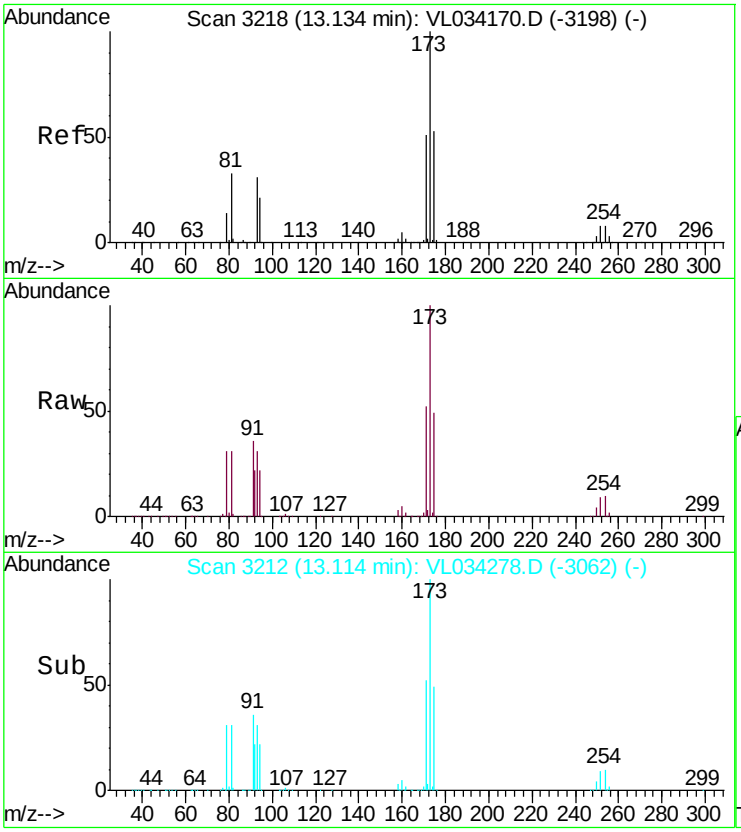


#48
Dibromochloromethane
Concen: 9.847 ppbv
RT: 10.37 min Scan# 2358
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:129 Resp: 1203720

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.2	117.6



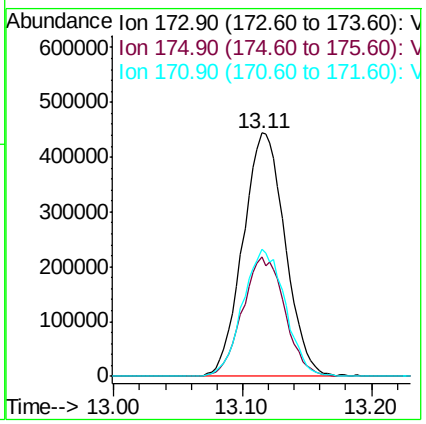


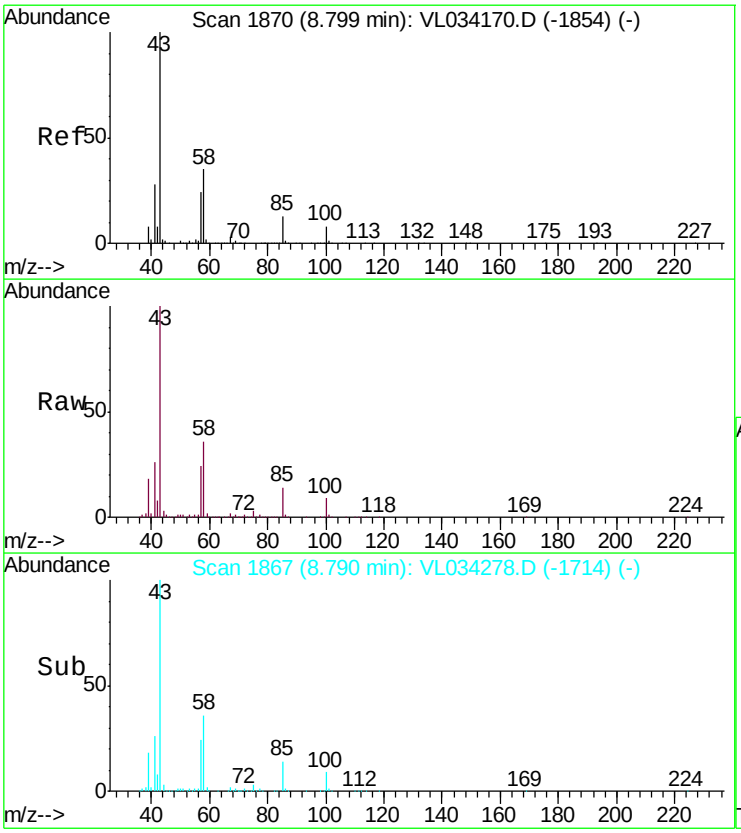
#49
Bromoform
Concen: 10.241 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1013126

Ion	Ratio	Lower	Upper
173	100		
175	49.0	40.3	60.5
171	52.3	42.0	63.0

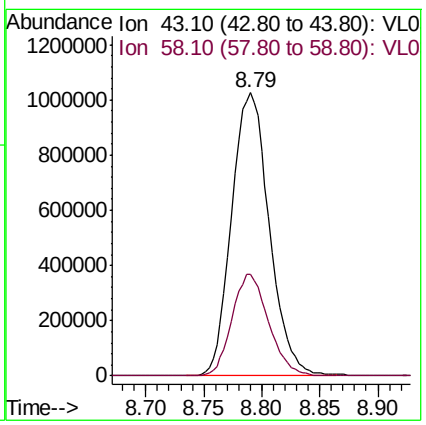


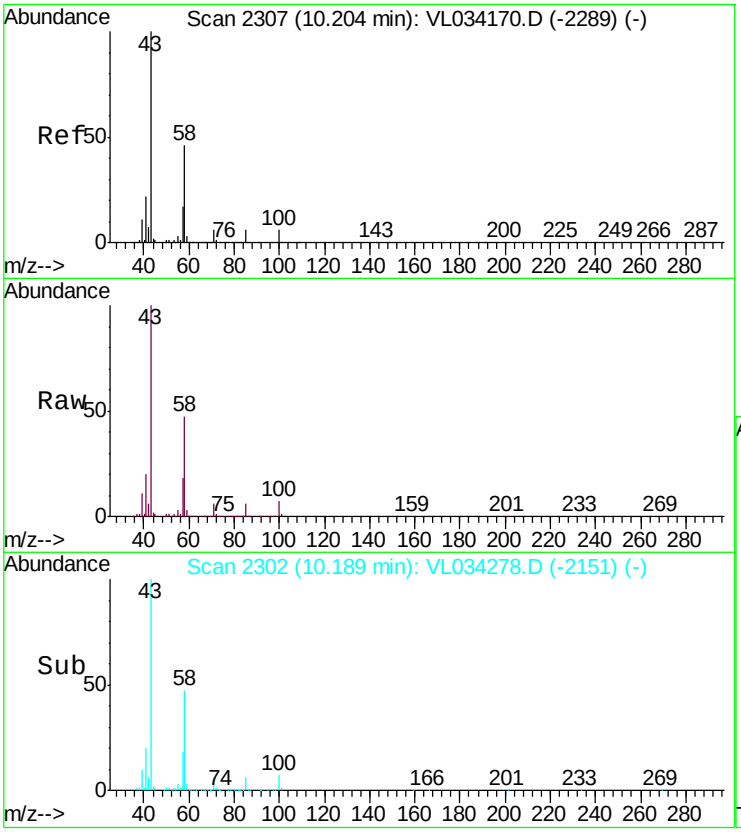


#50
4-Methyl-2-Pentanone
Concen: 8.989 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 43 Resp: 2312143

Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.6	41.4



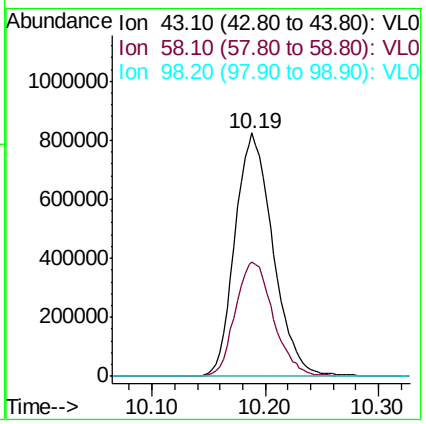


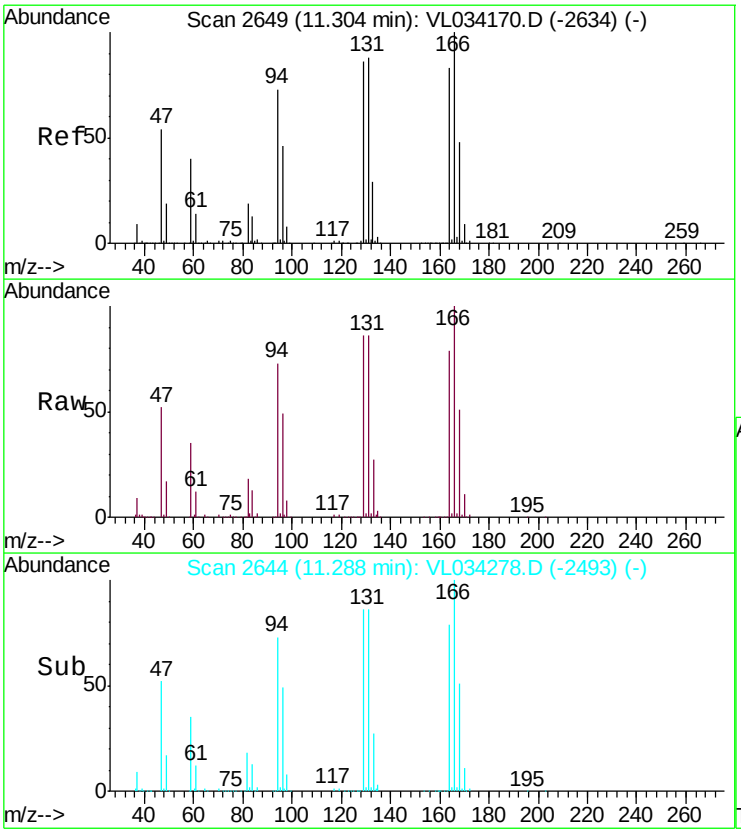
#51
2-Hexanone
Concen: 8.916 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1924529

Ion	Ratio	Lower	Upper
43	100		
58	47.5	36.2	54.4
98	0.1	0.2	0.2#

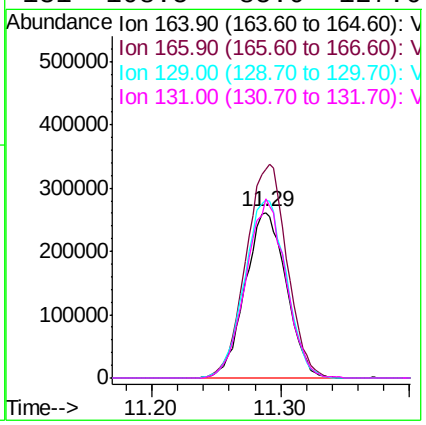


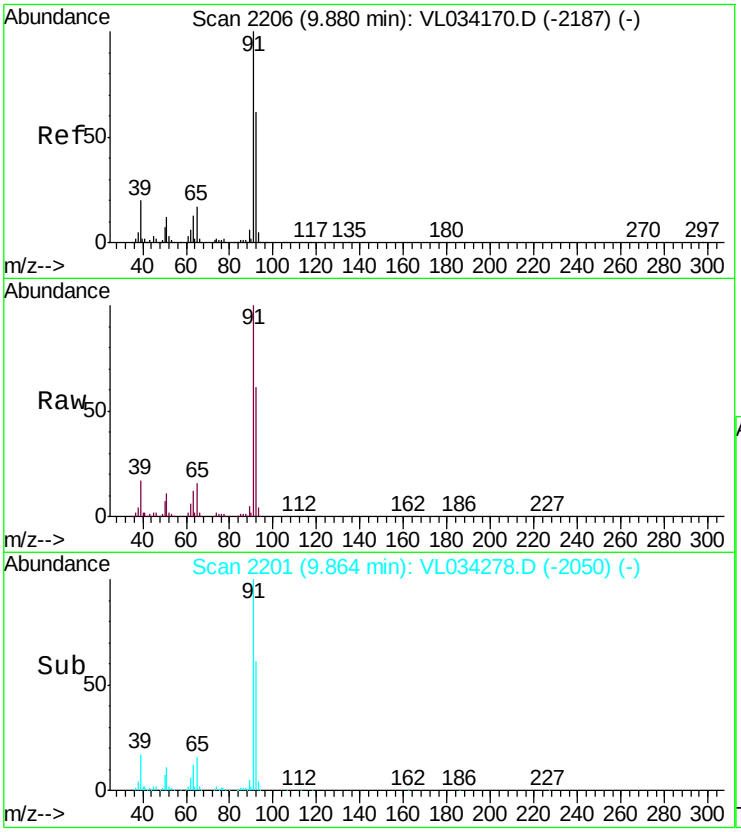


#52
Tetrachloroethene
Concen: 9.180 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:164 Resp: 579795

Ion	Ratio	Lower	Upper
164	100		
166	125.9	96.7	145.1
129	107.8	82.8	124.2
131	108.5	85.0	127.6



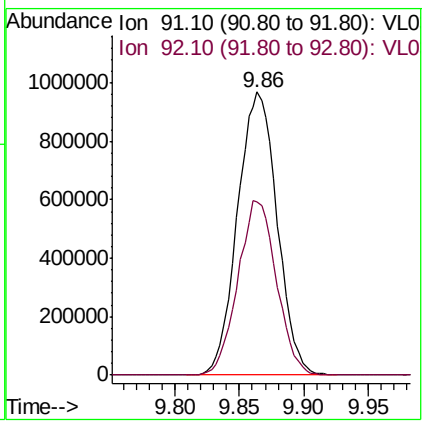


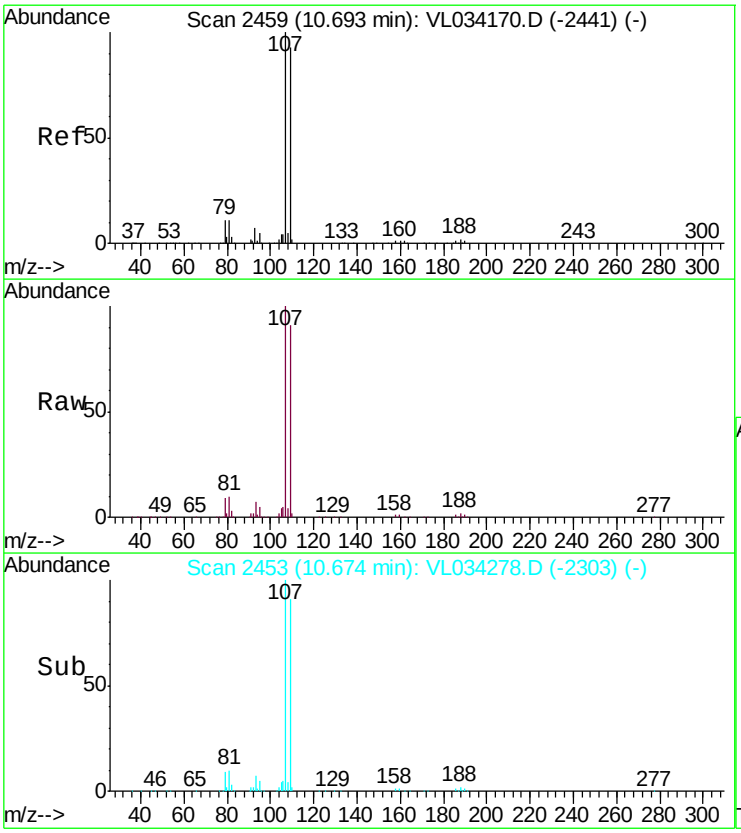
#53
Toluene
Concen: 9.899 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2068131

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.0	73.6

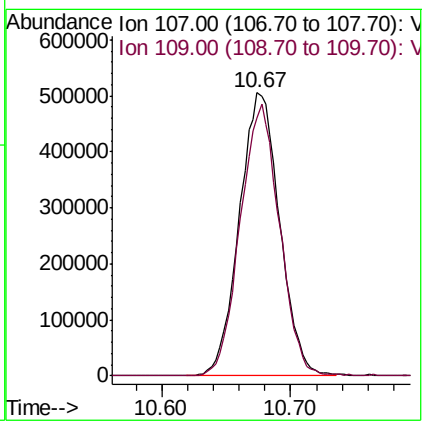


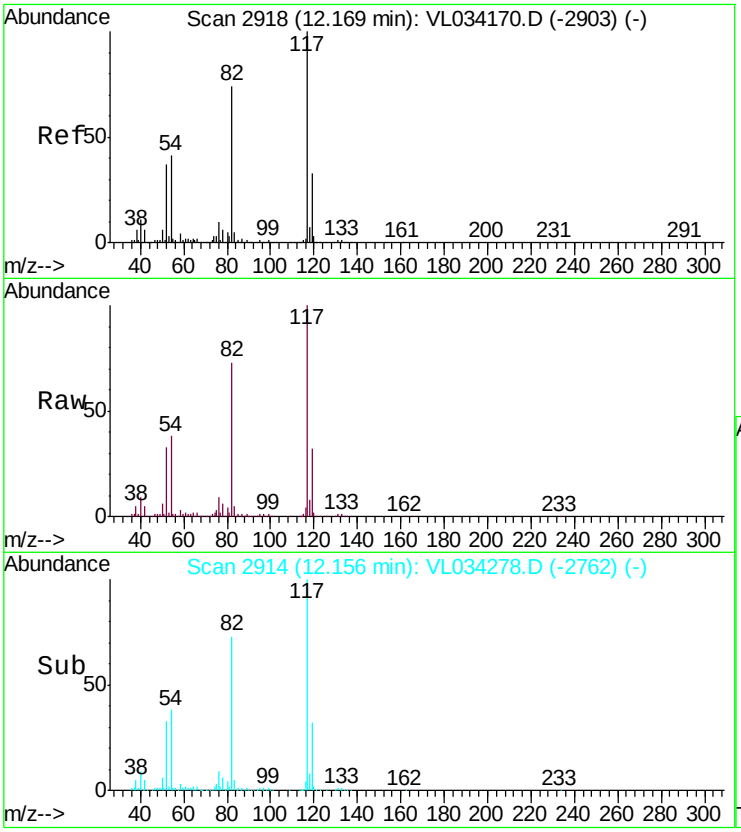


#54
1,2-Dibromoethane
Concen: 9.585 ppbv
RT: 10.67 min Scan# 2453
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:107 Resp: 1099436

Ion	Ratio	Lower	Upper
107	100		
109	91.1	74.5	111.7



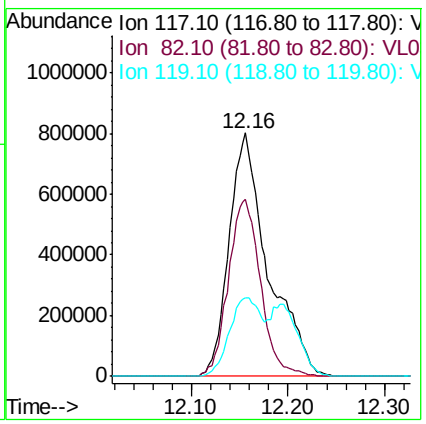


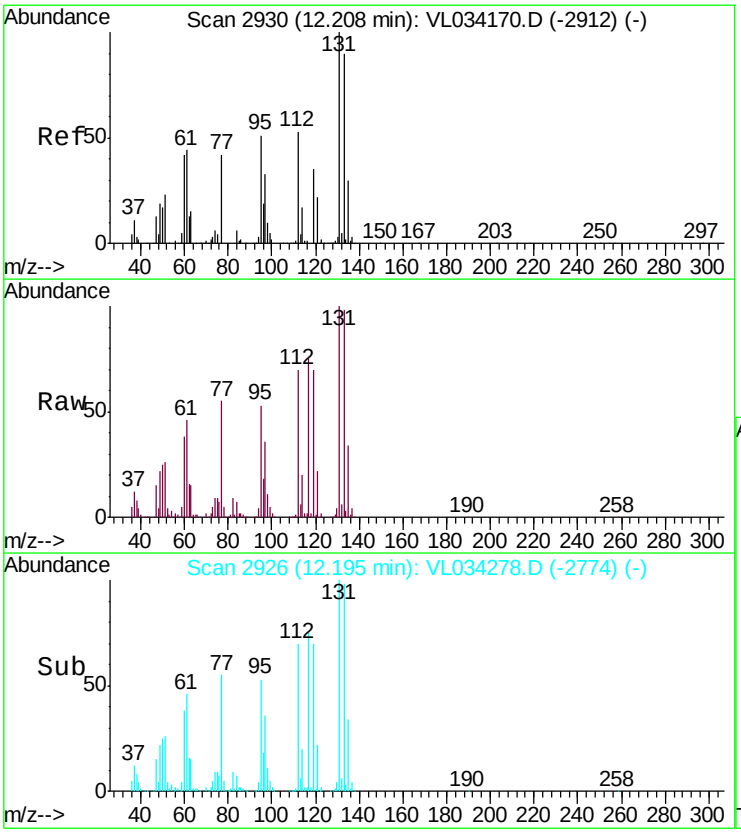
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2252191

Ion	Ratio	Lower	Upper
117	100		
82	59.8	58.2	87.4
119	27.6	23.7	35.5

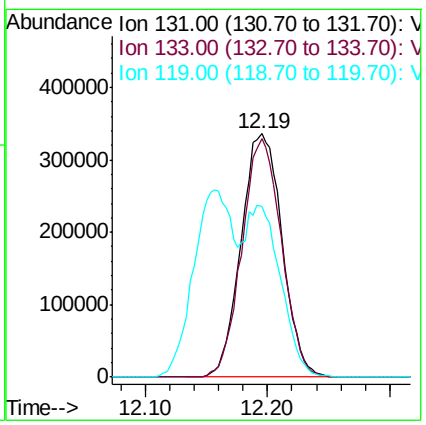


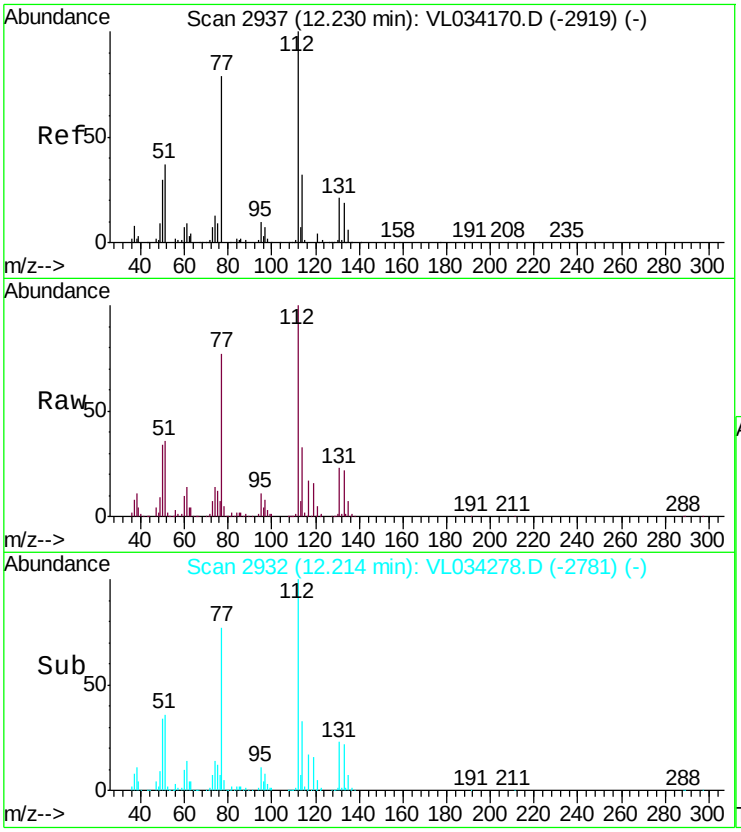


#56
1,1,1,2-Tetrachloroethane
Concen: 7.750 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:131 Resp: 778444

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.1	112.7
119	59.0	47.4	71.0



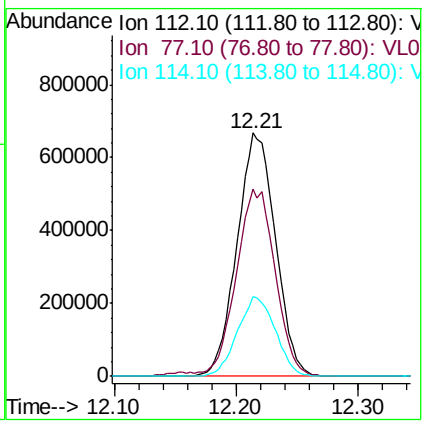


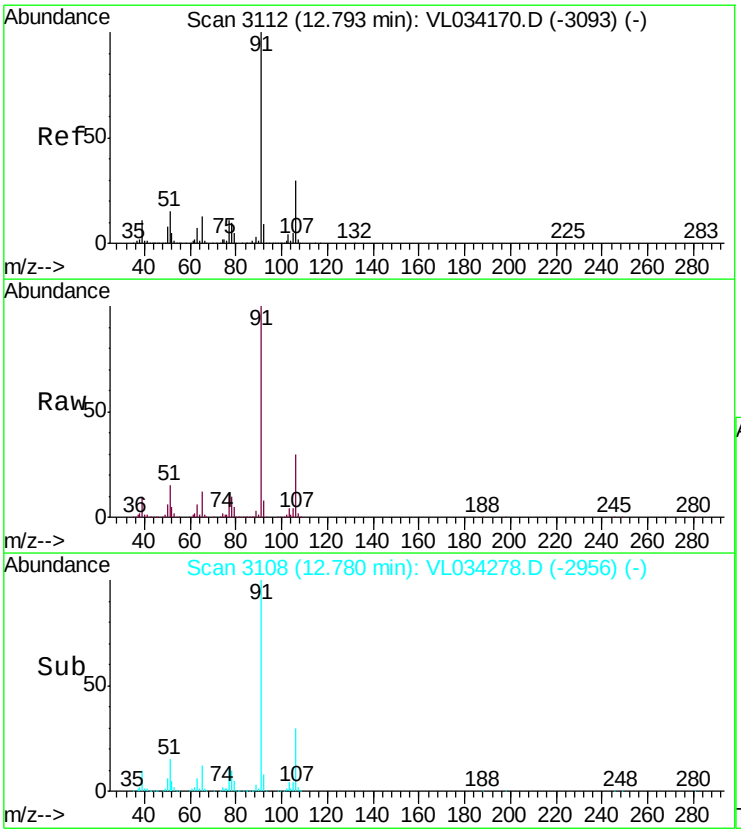
#57
Chlorobenzene
Concen: 7.391 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1449227

Ion	Ratio	Lower	Upper
112	100		
77	76.9	64.3	96.5
114	32.5	28.9	35.3

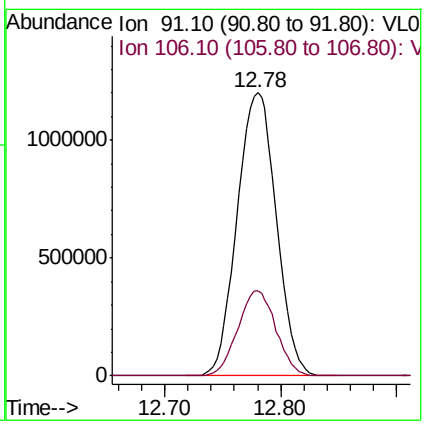


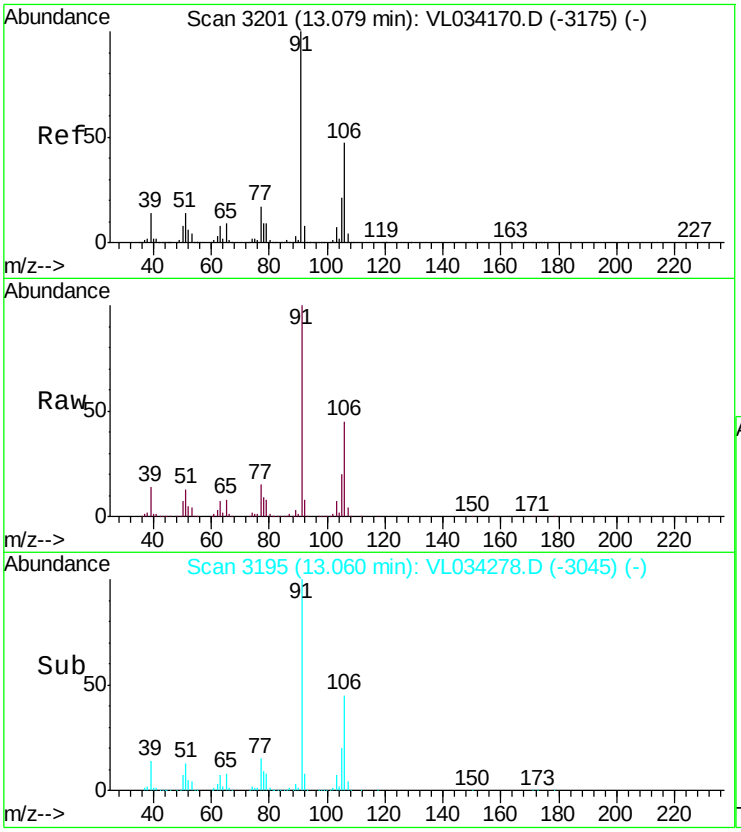


#58
Ethyl Benzene
Concen: 7.760 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 91 Resp: 2819989

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.4



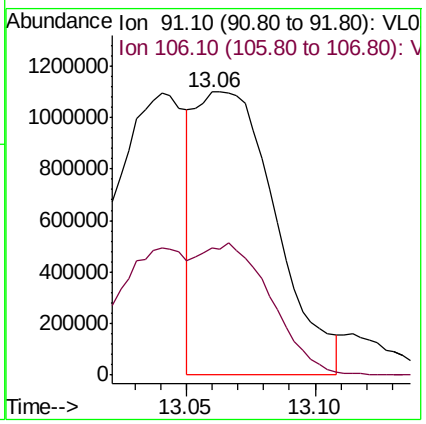


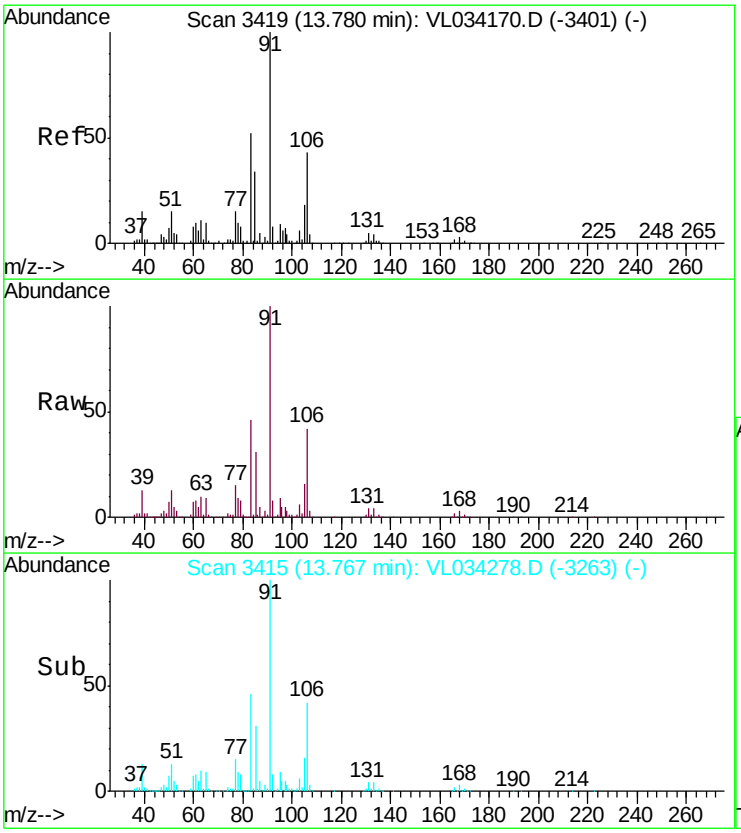
#59
m/p-Xylene
Concen: 7.900 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2377777

Ion	Ratio	Lower	Upper
91	100		
106	83.2	35.5	53.3#

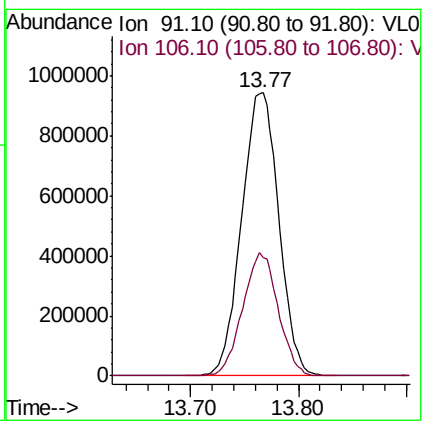


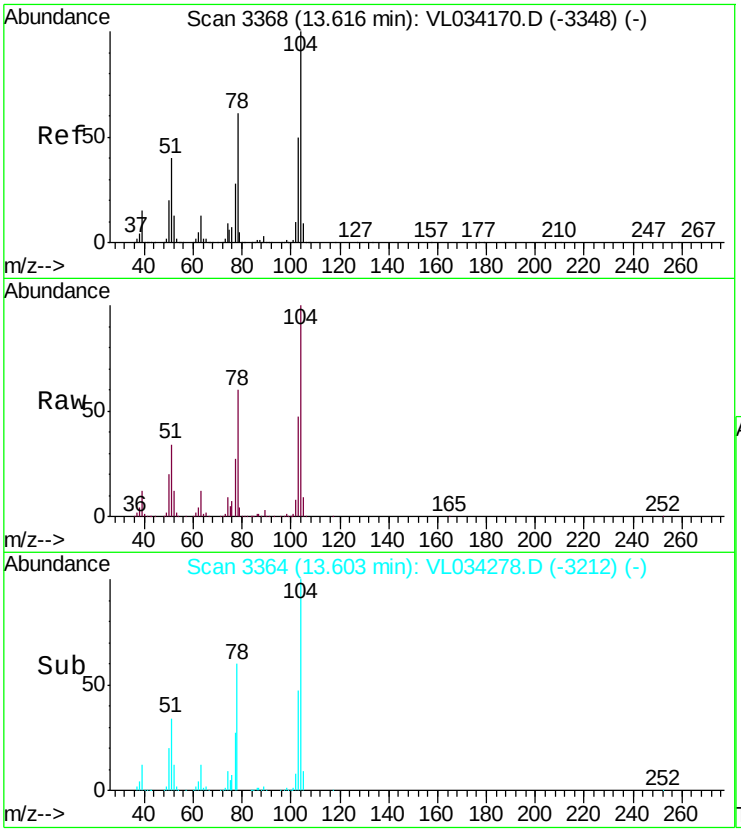


#60
o-Xylene
Concen: 7.491 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 91 Resp: 2254567

Ion	Ratio	Lower	Upper
91	100		
106	41.7	21.2	63.6



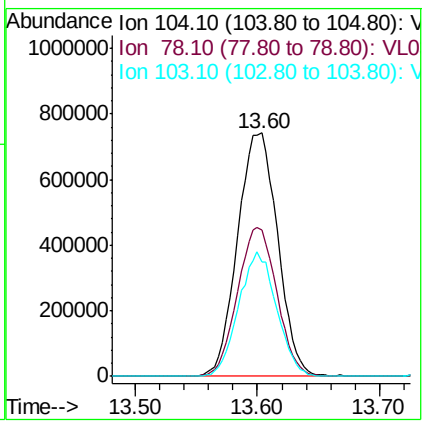


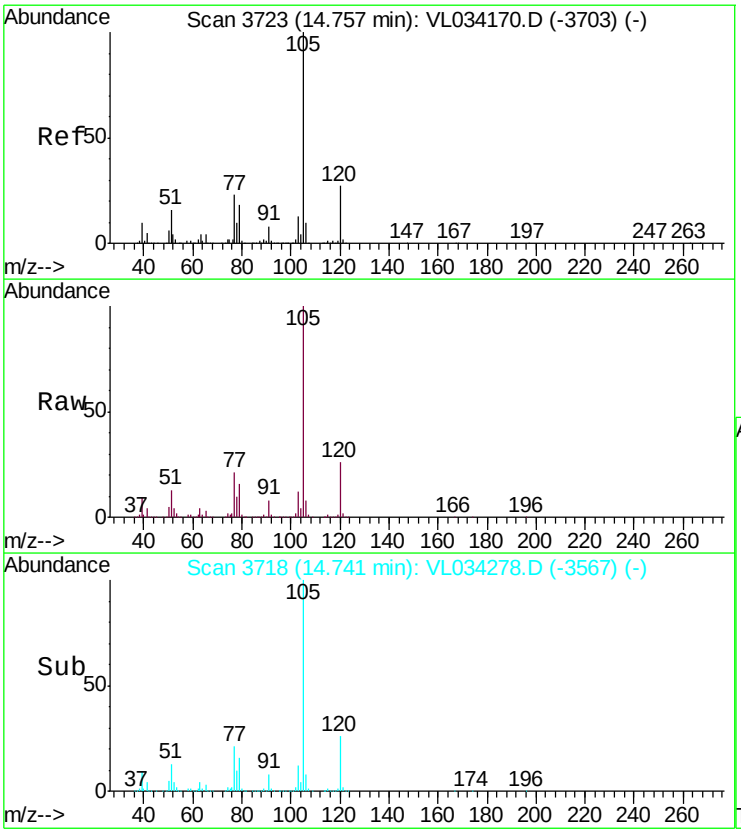
#61
Styrene
Concen: 7.837 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1689443

Ion	Ratio	Lower	Upper
104	100		
78	59.9	49.7	74.5
103	48.2	38.4	57.6

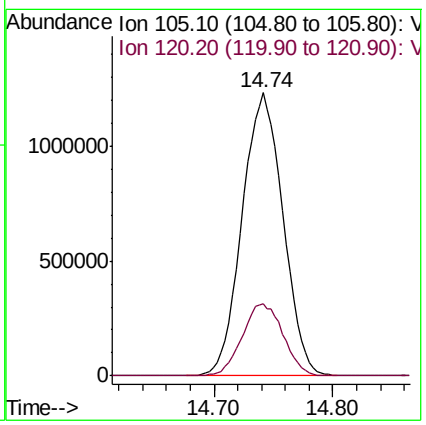


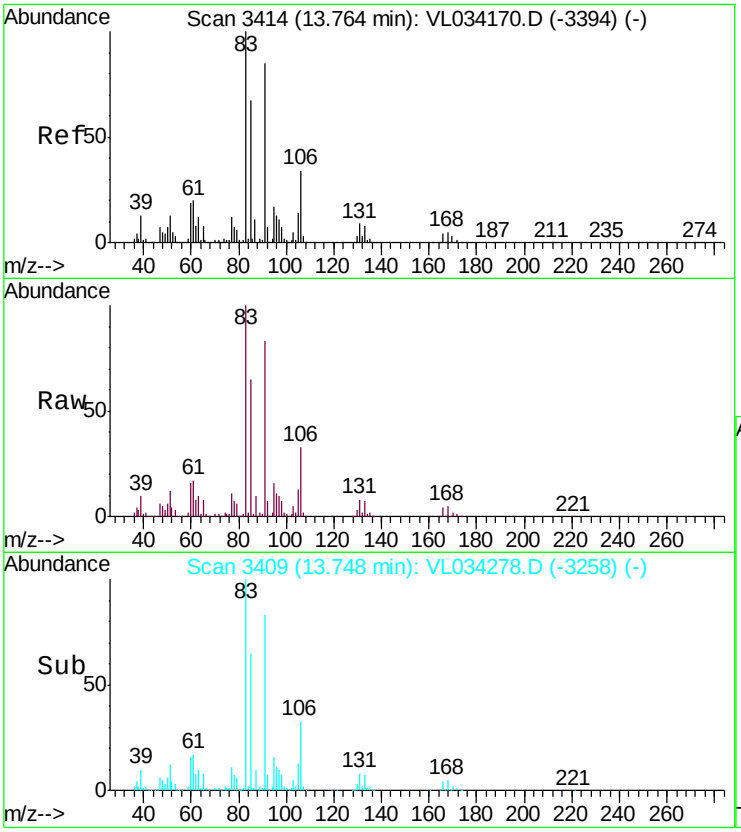


#62
Isopropylbenzene
Concen: 7.499 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:105 Resp: 2921833

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.7	31.1



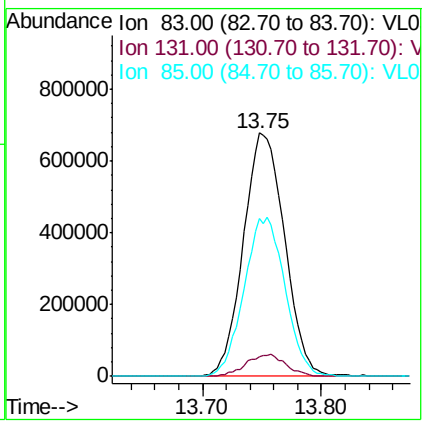


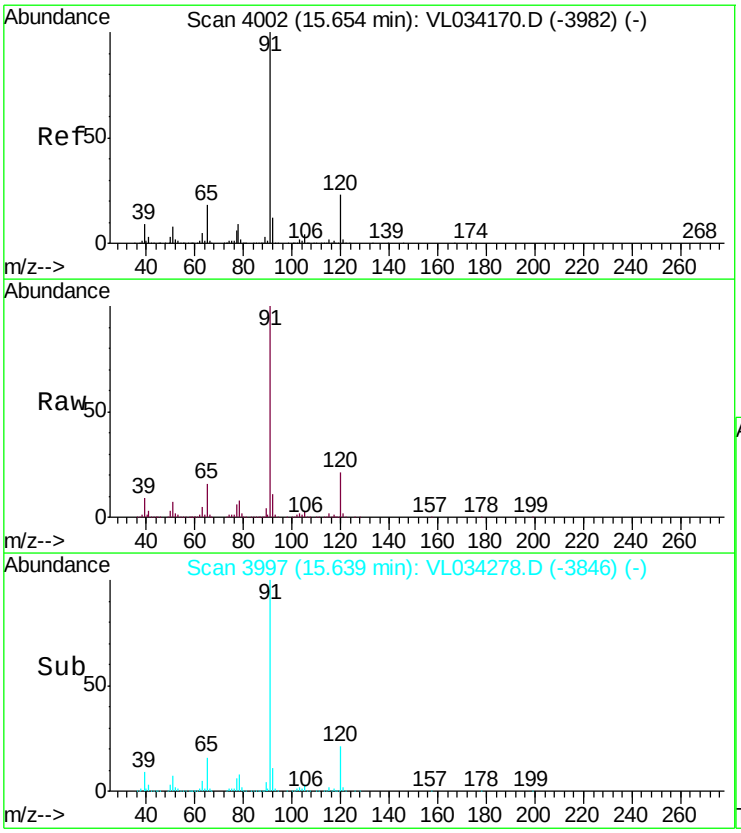
#63
1,1,2,2-Tetrachloroethane
Concen: 6.581 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1624080

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.1	32.8	98.4

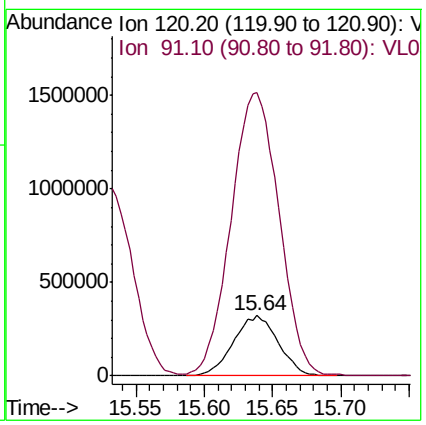


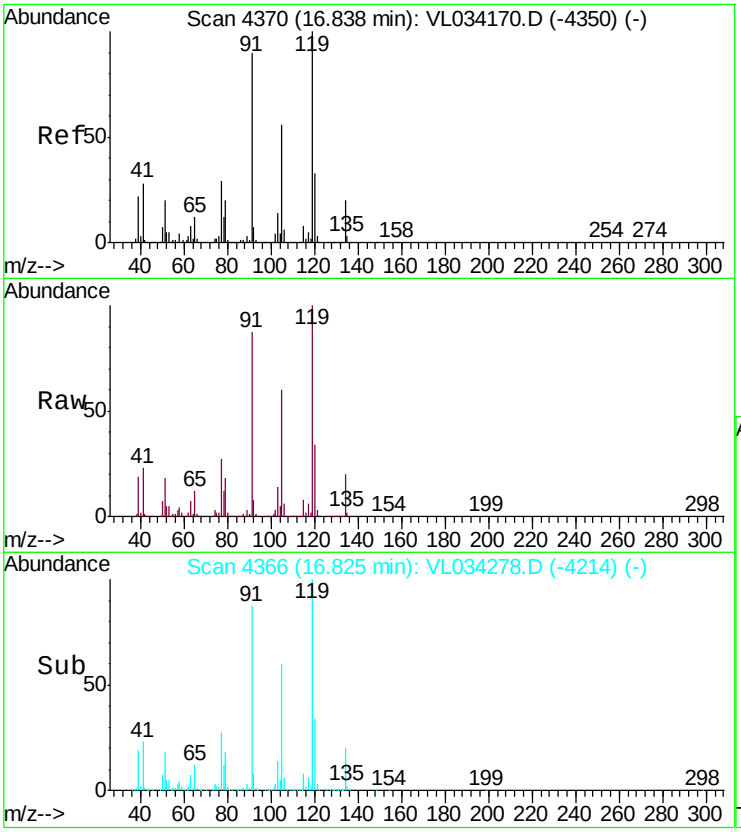


#64
n-propylbenzene
Concen: 7.450 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:120 Resp: 734311

Ion	Ratio	Lower	Upper
120	100		
91	504.2	378.2	567.2



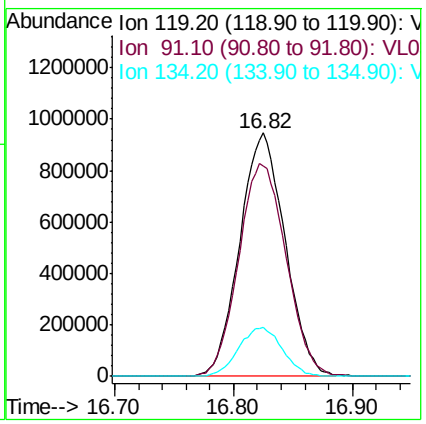


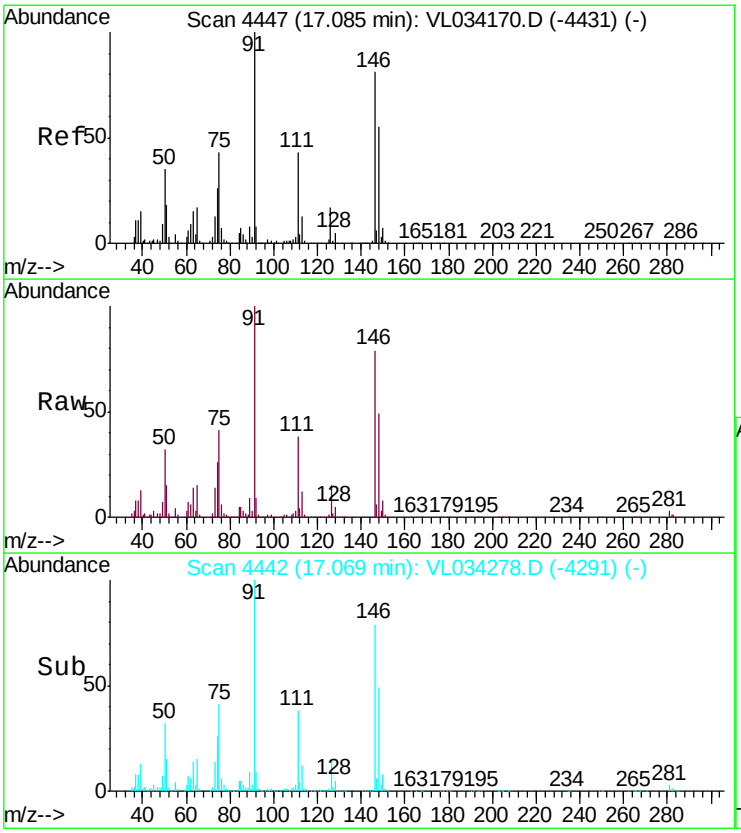
#65
tert-Butylbenzene
Concen: 7.325 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2493551

Ion	Ratio	Lower	Upper
119	100		
91	91.6	74.9	112.3
134	19.3	15.8	23.6

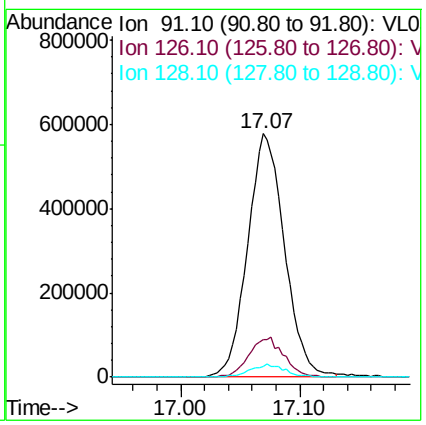


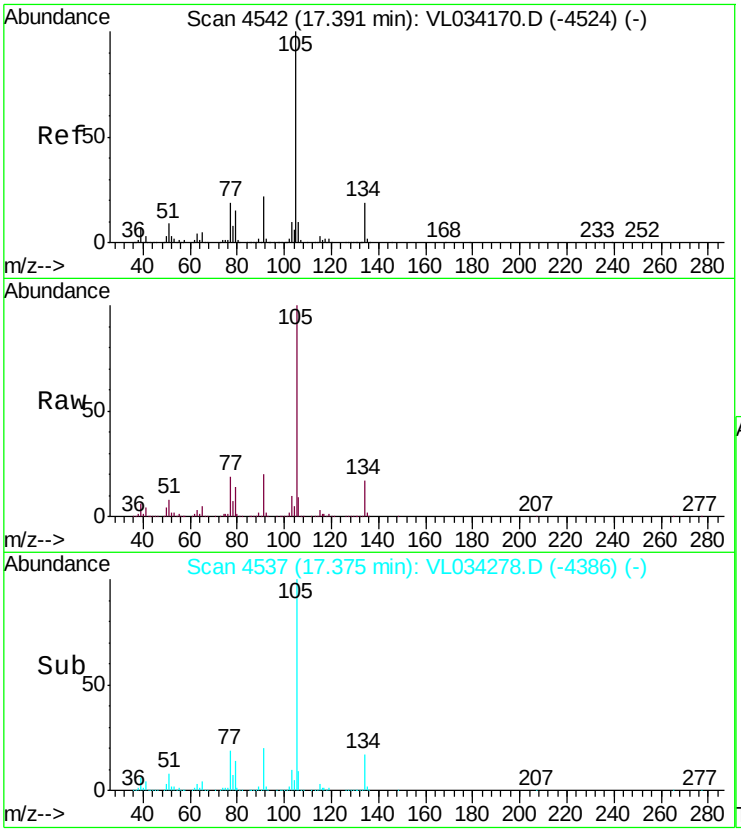


#66
Benzyl Chloride
Concen: 10.245 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 91 Resp: 1233986

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



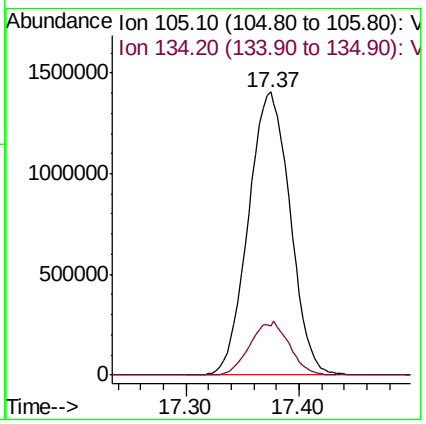


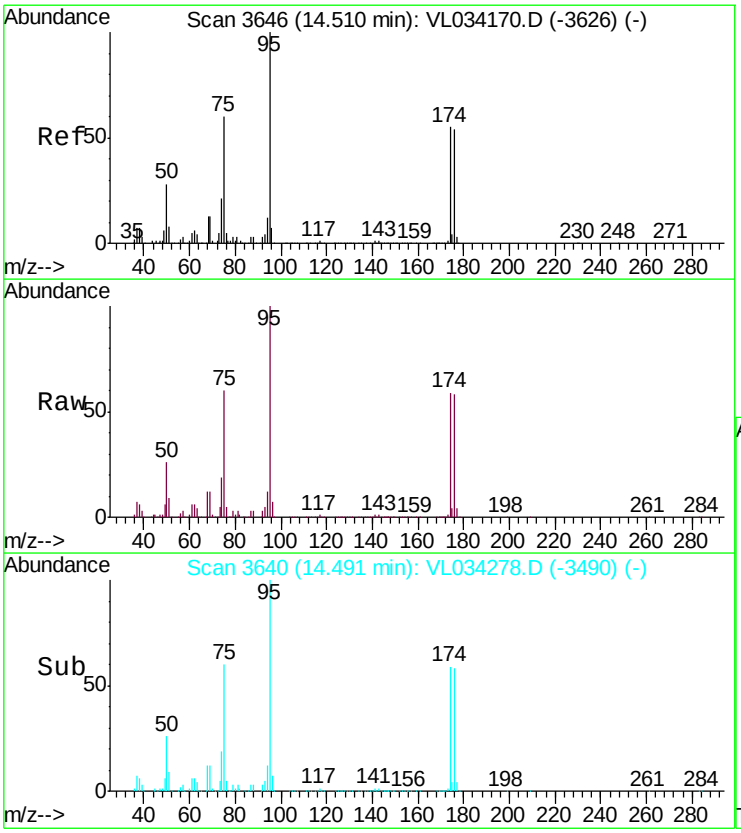
#67
sec-Butylbenzene
Concen: 7.386 ppbv
RT: 17.37 min Scan# 4537
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 3595372

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	22.0

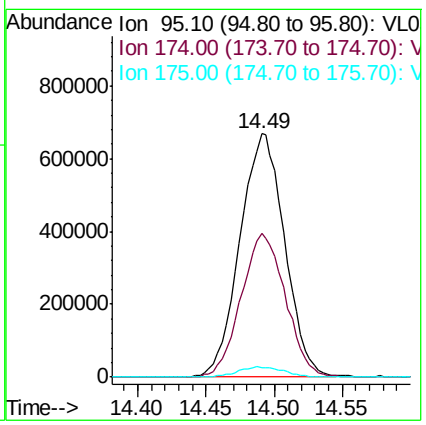


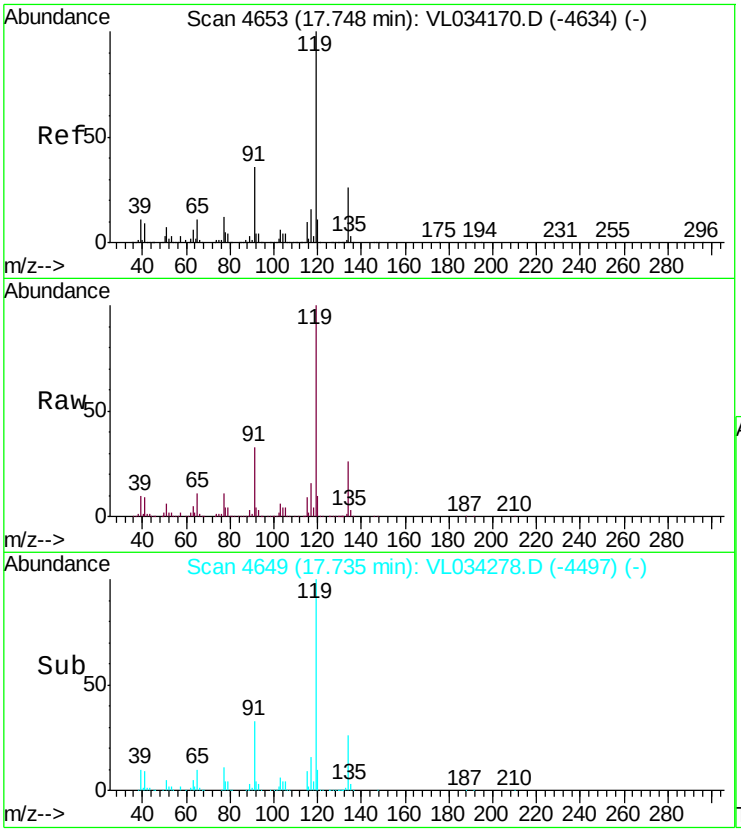


#68
1-Bromo-4-Fluorobenzene
Concen: 7.741 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 95 Resp: 1514859

Ion	Ratio	Lower	Upper
95	100		
174	58.7	45.1	67.7
175	4.3	3.3	4.9



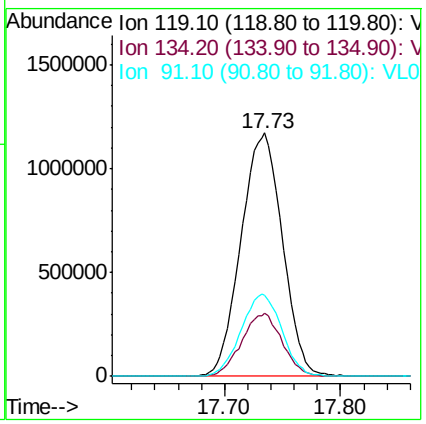


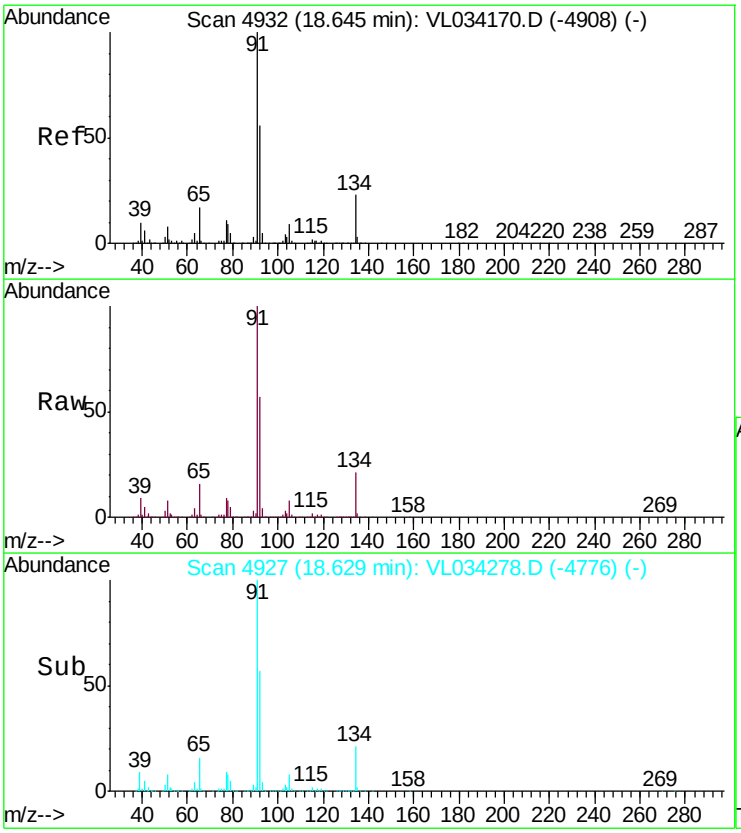
#69
p-Isopropyltoluene
Concen: 7.378 ppbv
RT: 17.73 min Scan# 4649
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2908292

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	33.5	27.6	41.4

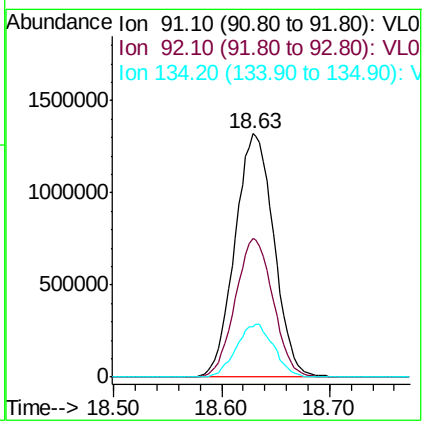


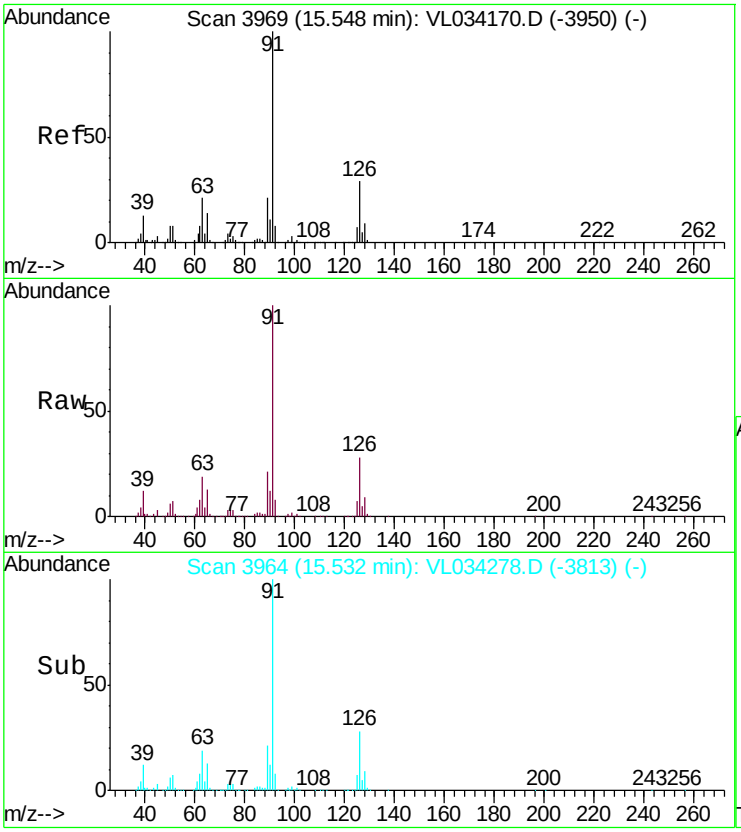


#70
n-Butylbenzene
Concen: 7.206 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion: 91 Resp: 3307493

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.8	67.2
134	20.9	17.3	25.9



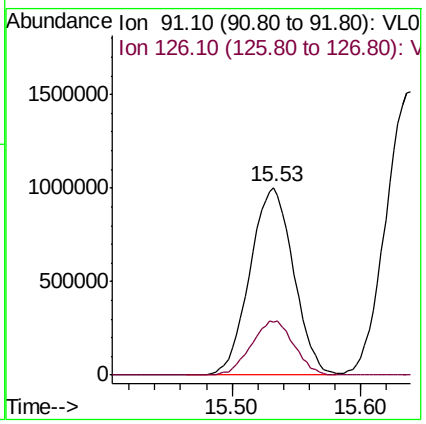


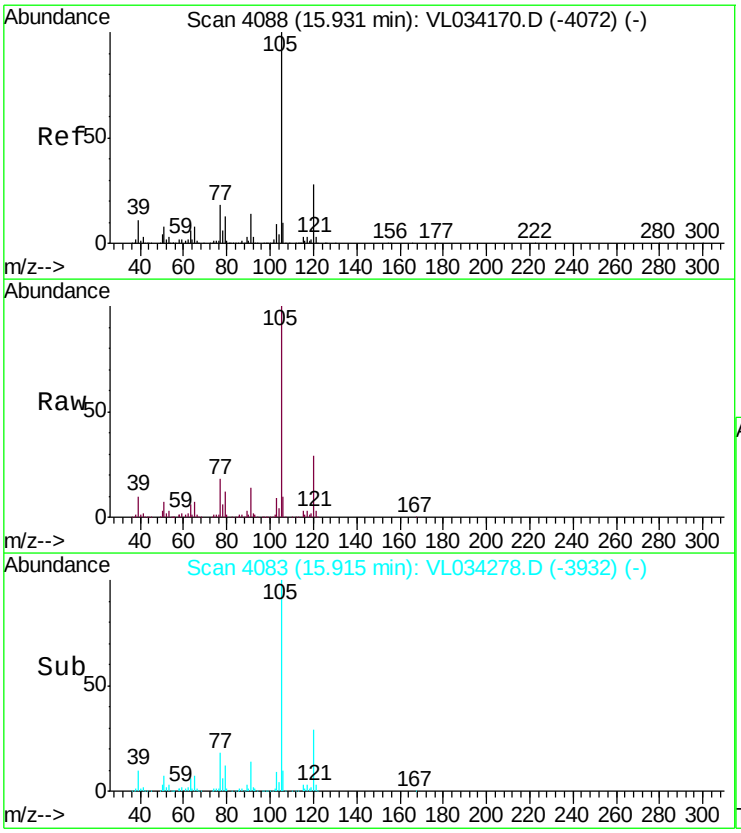
#71
2-Chlorotoluene
Concen: 7.407 ppbv
RT: 15.53 min Scan# 3964
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2357867

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.2	45.0

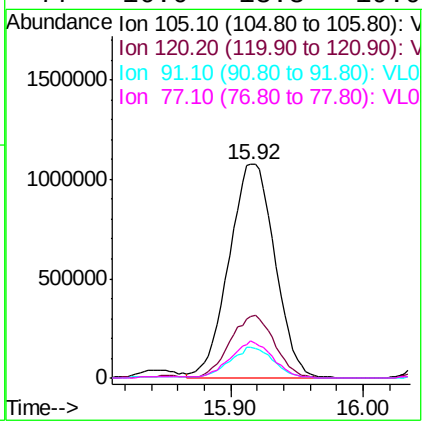


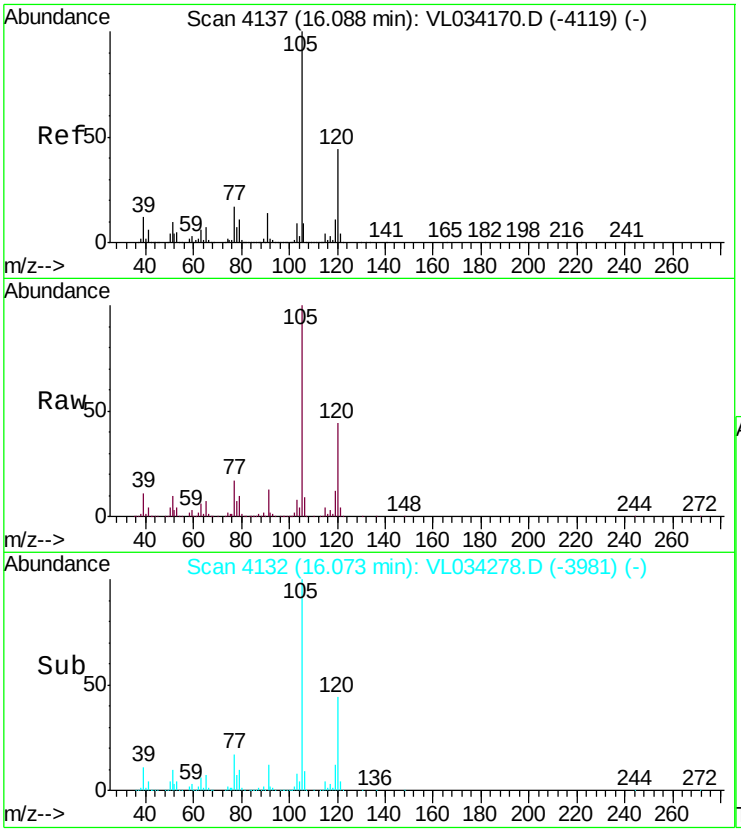


#72
4-Ethyltoluene
Concen: 7.600 ppbv
RT: 15.92 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:105 Resp: 2584275

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.3	34.9
91	13.8	11.4	17.2
77	16.0	13.3	19.9



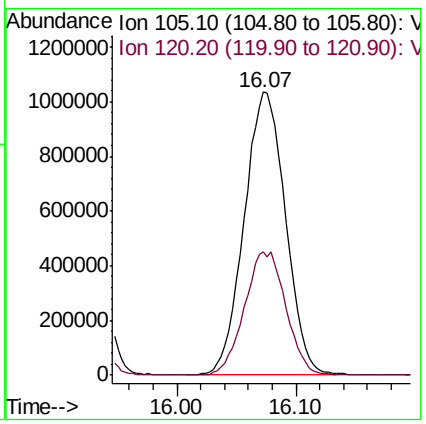


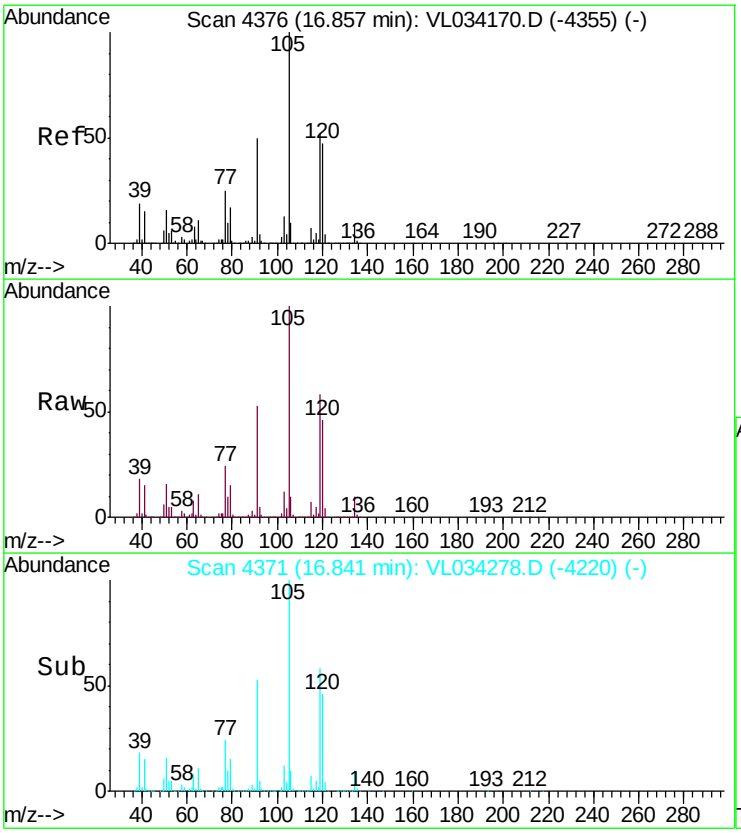
#73
1,3,5-Trimethylbenzene
Concen: 7.541 ppbv
RT: 16.07 min Scan# 4132
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2477233

Ion	Ratio	Lower	Upper
105	100		
120	43.8	35.6	53.4

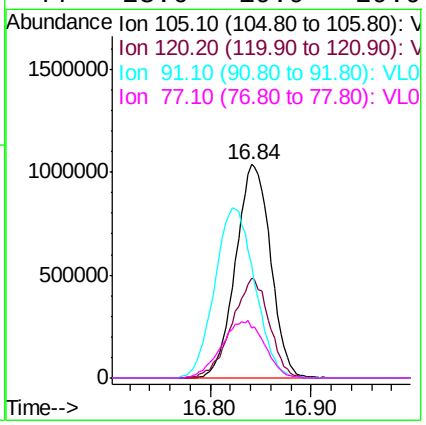


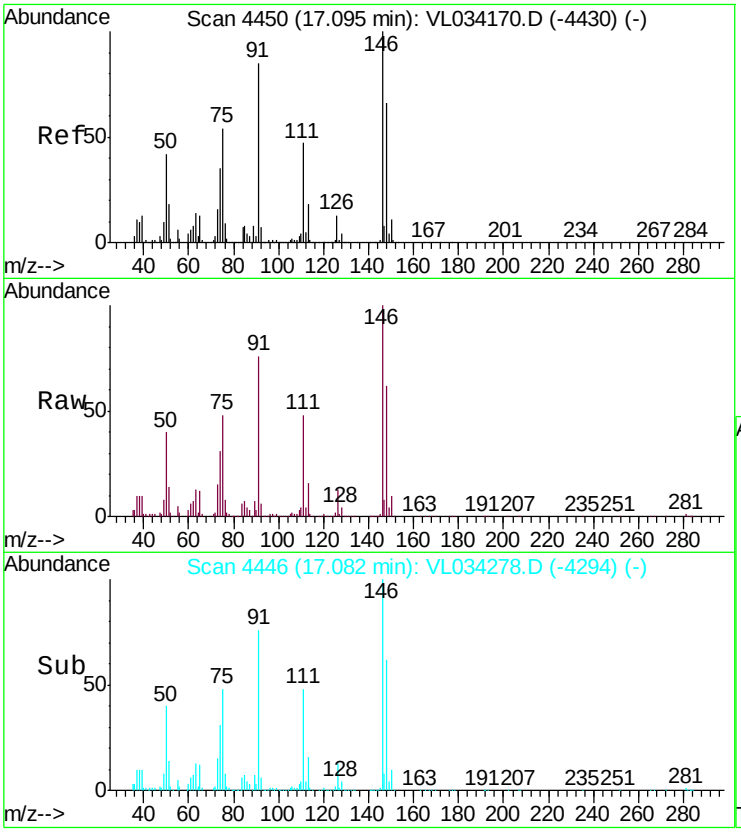


#74
1,2,4-Trimethylbenzene
Concen: 7.135 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:105 Resp: 2488581

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.5	56.3
91	52.6	41.1	61.7
77	23.6	19.9	29.9



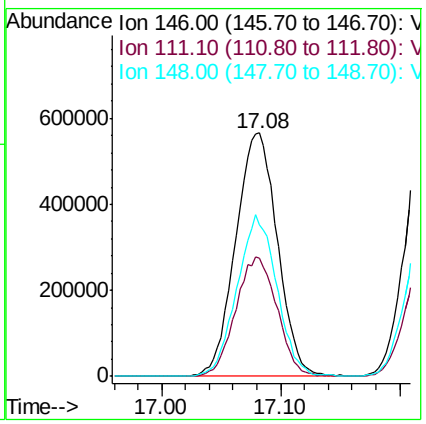


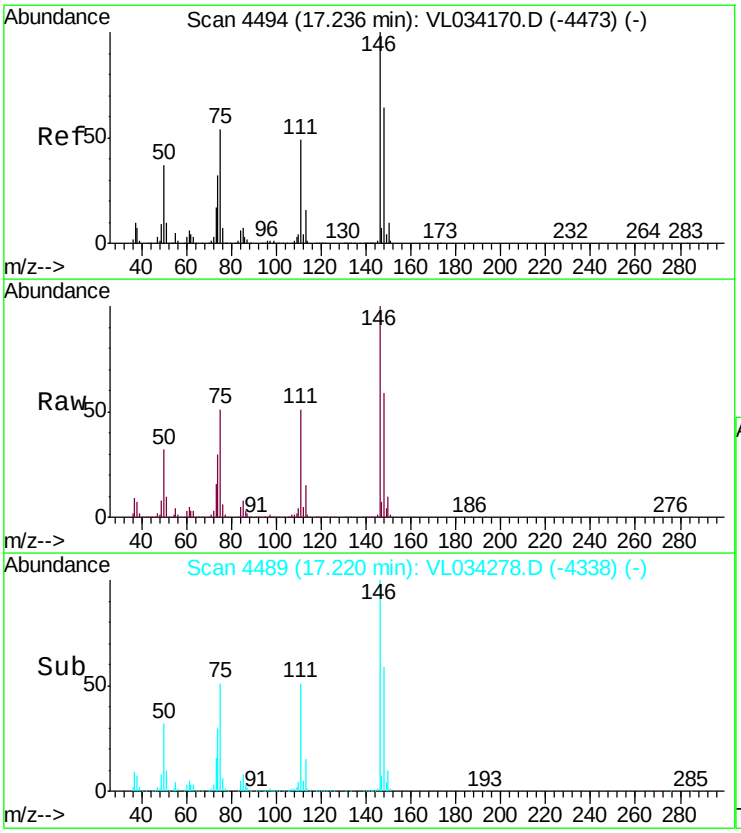
#75
1,3-Dichlorobenzene
Concen: 7.320 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1369973

Ion	Ratio	Lower	Upper
146	100		
111	48.7	25.9	77.8
148	63.5	32.6	97.7

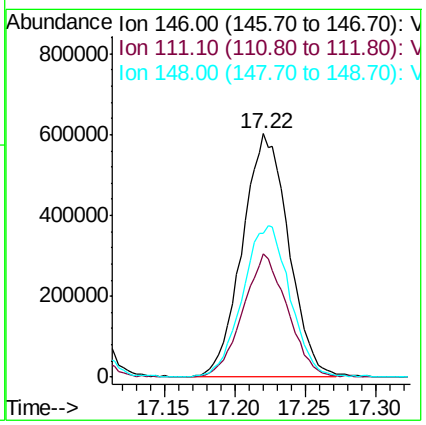


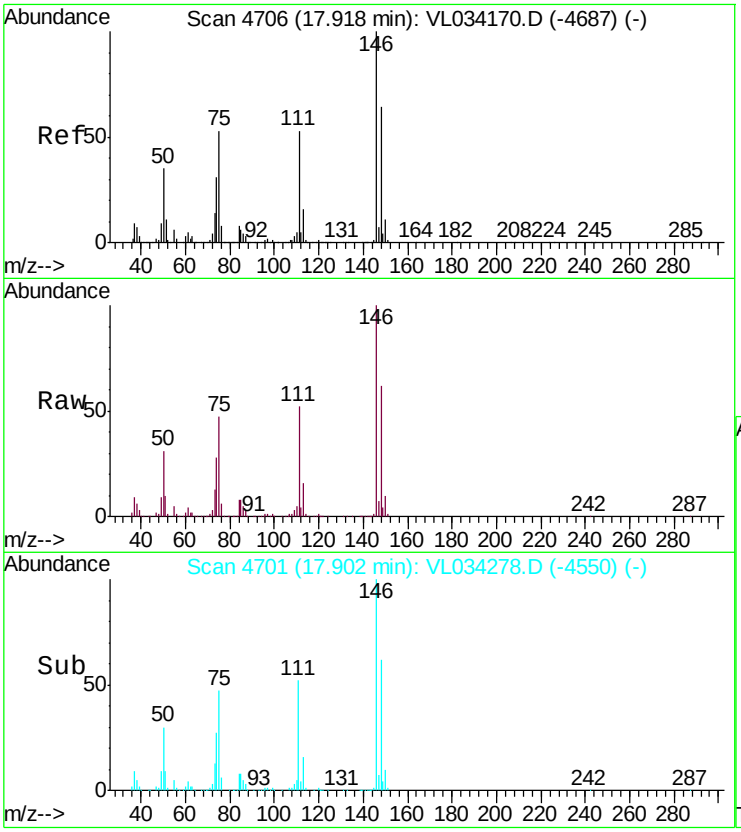


#76
1,4-Dichlorobenzene
Concen: 7.149 ppbv
RT: 17.22 min Scan# 4489
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:146 Resp: 1370163

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	74.0
148	64.5	32.4	97.0



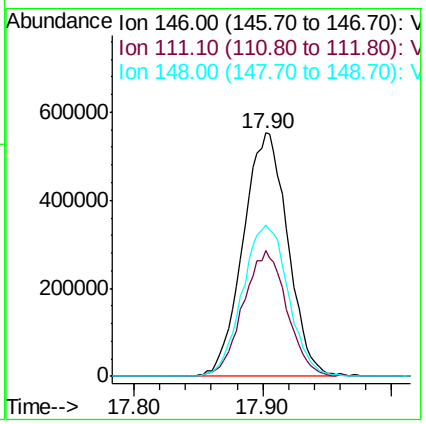


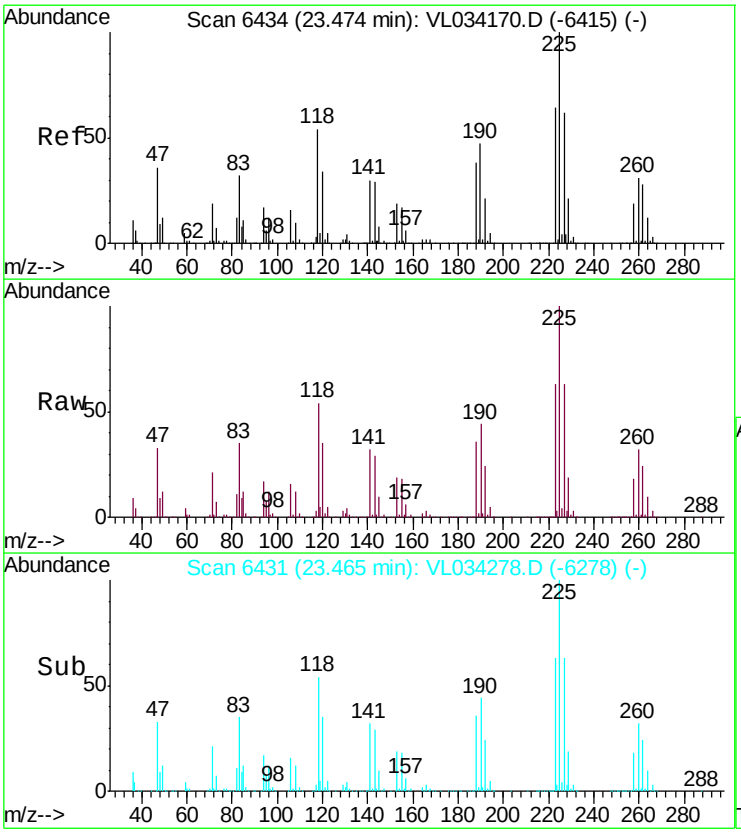
#77
1,2-Dichlorobenzene
Concen: 7.038 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1333068

Ion	Ratio	Lower	Upper
146	100		
111	50.7	26.1	78.3
148	63.8	31.9	95.9

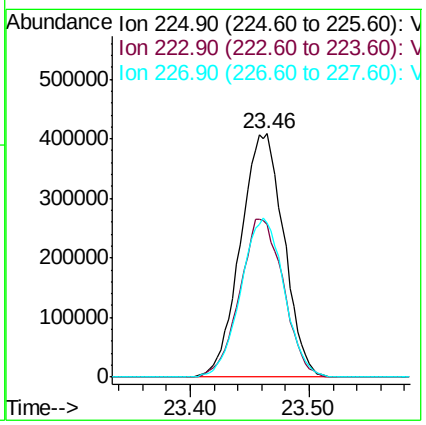


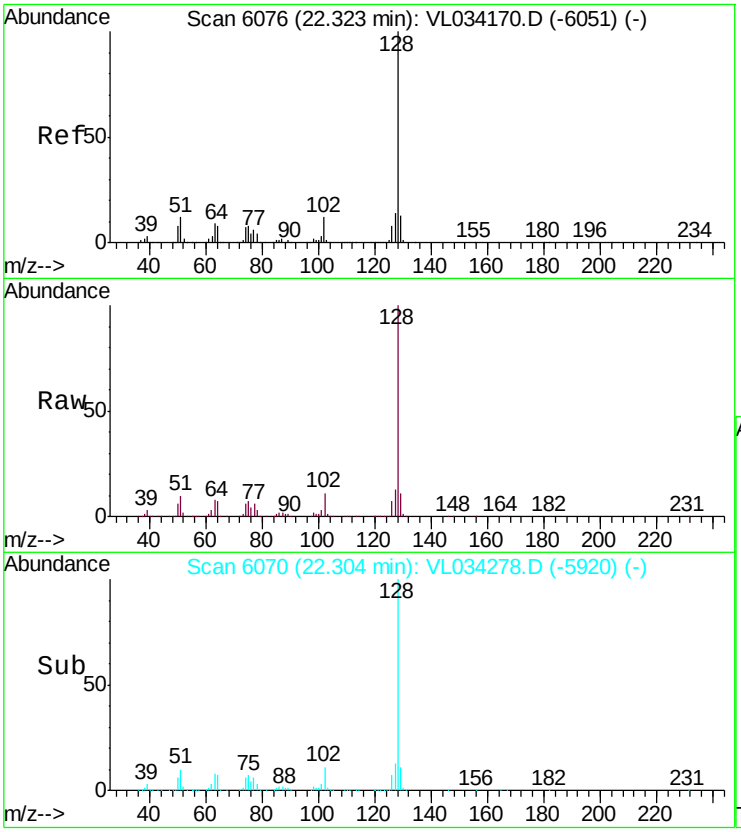


#78
Hexachloro-1,3-Butadiene
Concen: 8.213 ppbv
RT: 23.46 min Scan# 6431
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:225 Resp: 1030440

Ion	Ratio	Lower	Upper
225	100		
223	65.2	51.7	77.5
227	65.1	52.1	78.1



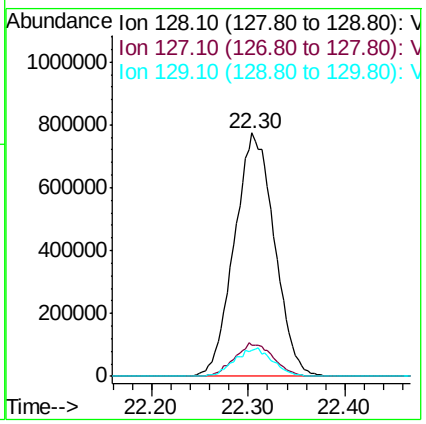


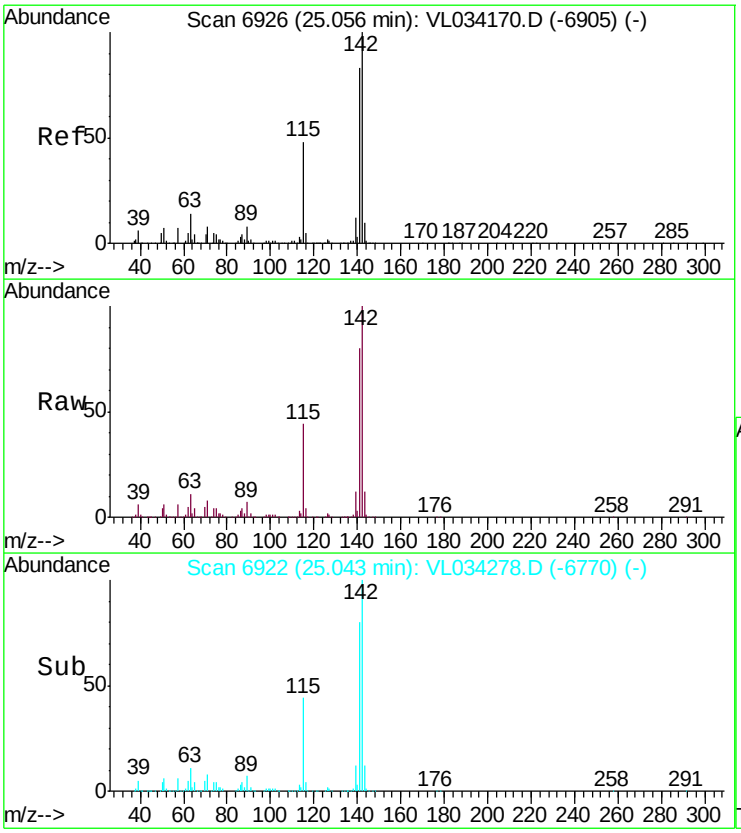
#79
Naphthalene
Concen: 7.223 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. -0.02 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2217985

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.1	16.7
129	10.8	10.2	15.4

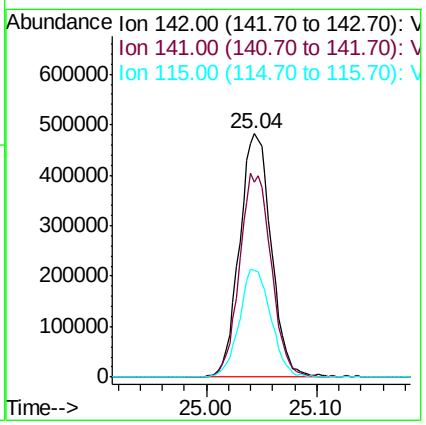


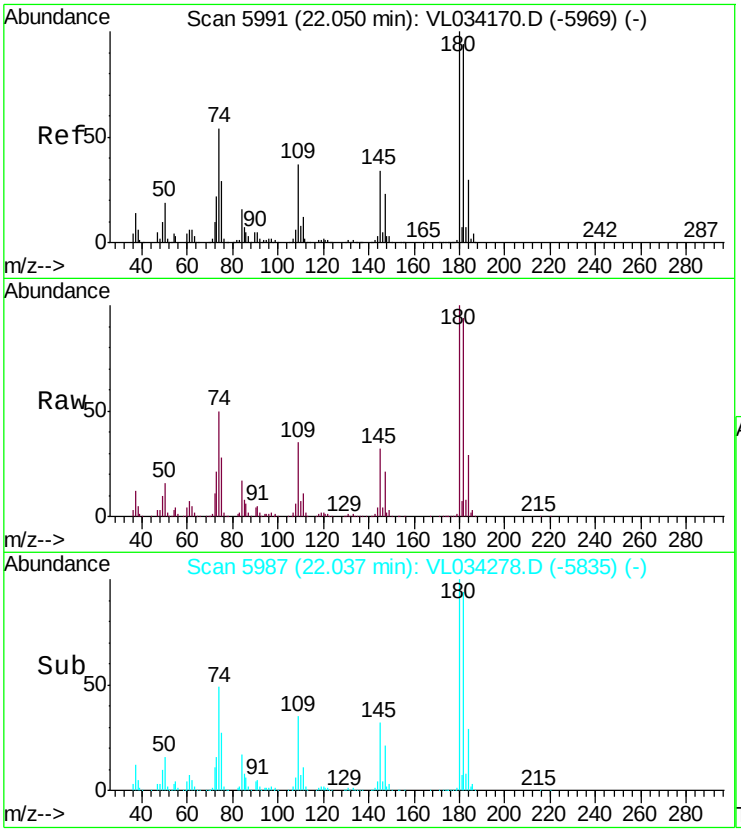


#80
Naphthalene,2-methyl-
Concen: 6.728 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Tgt Ion:142 Resp: 960832

Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.6	101.4
115	44.2	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 7.296 ppbv
RT: 22.04 min Scan# 5987
Delta R.T. -0.01 min
Lab File: VL034278.D
Acq: 14 Oct 2019 9:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1241050

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.4	116.2
184	30.2	25.0	37.4