Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033652.D
Acq On : 3 May 2019 6:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 03 08:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	969125	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2308201	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3055908	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2063775	8.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 88.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2250088	15.406	ppbv	98
3) Chlorodifluoromethane	3.01	51	1236534	10.672	ppbv	100
4) Chloromethane	3.17	50	683411	10.829	ppbv	98
5) Vinyl Chloride	3.29	62	687517	10.383	ppbv	99
6) Bromomethane	3.51	94	431936	11.084	ppbv	98
7) Chloroethane	3.60	64	246265	11.156	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1780135	11.203	ppbv	98
9) Propene	3.03	41	517842	15.608	ppbv	86
10) Heptane	8.25	43	1328679	10.830	ppbv	99
11) Trichlorofluoromethane	4.00	101	1960780	11.295	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1286790	10.808	ppbv	98
13) Ethanol	3.65	45	106845	7.103	ppbv	99
14) Bromoethene	3.79	108	527709	10.798	ppbv	97
15) Acetone	3.90	43	1217428	10.318	ppbv	99
16) 1,3-Butadiene	3.36	39	625090	11.772	ppbv	99
17) tert-Butyl alcohol	4.35	59	964092	9.464	ppbv	100
18) 1,1-Dichloroethene	4.35	96	569284	11.003	ppbv	99
19) Isopropyl Alcohol	4.02	45	783786	9.679	ppbv	100
20) Methylene Chloride	4.41	84	480868	10.458	ppbv	95
21) Allyl Chloride	4.47	41	830176	11.185	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	584598	11.537	ppbv	98
23) Vinyl Acetate	5.15	43	1833904	10.452	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1284768	9.836	ppbv	100
25) Ethyl Acetate	5.77	43	2200528	9.827	ppbv	100
26) Hexane	5.78	57	964990	10.234	ppbv	99
27) Carbon Disulfide	4.62	76	1422015	12.453	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1568128	9.862	ppbv	100
29) Chloroform	5.85	83	1670297	9.666	ppbv	96
30) Cyclohexane	7.24	84	839175	10.513	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1001047	10.519	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1751358	9.683	ppbv	99
34) 2-Butanone	5.33	43	1443219	10.185	ppbv	99
35) Carbon Tetrachloride	7.13	117	1896959	10.374	ppbv	99
36) Benzene	7.00	78	2098456	10.670	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1322238	10.118	ppbv	99
38) Trichloroethene	7.96	130	851877	10.861	ppbv	99
39) 1,2-Dichloropropane	7.74	63	763435	10.294	ppbv	98
40) 1,4-Dioxane	7.95	88	304932	10.119	ppbv	81
41) Tetrahydrofuran	6.15	42	798912	10.557	ppbv	100
42) Bromodichloromethane	7.92	83	1863509	10.537	ppbv	97
43) Methyl Methacrylate	8.14	69	836136	11.227	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033652.D
Acq On : 3 May 2019 6:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 03 08:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3531335	10.303	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1165341	11.781	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1300266	11.654	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	878589	9.083	ppbv		98
48) Dibromochloromethane	10.45	129	1613026	9.860	ppbv		99
49) Bromoform	13.20	173	1430345	11.413	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2302231	10.369	ppbv		100
51) 2-Hexanone	10.27	43	1867880	9.582	ppbv		100
52) Tetrachloroethene	11.37	164	804474	10.639	ppbv		96
53) Toluene	9.95	91	2450270	9.872	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1409210	10.592	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1094206	8.313	ppbv		95
57) Chlorobenzene	12.30	112	1922908	8.199	ppbv		98
58) Ethyl Benzene	12.86	91	3458964	9.830	ppbv		99
59) m/p-Xylene	13.15	91	2769663	9.149	ppbv	#	100
60) o-Xylene	13.85	91	2930317	9.582	ppbv		99
61) Styrene	13.68	104	2189409	10.475	ppbv		100
62) Isopropylbenzene	14.82	105	3903893	9.553	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1956509	8.196	ppbv		99
64) n-propylbenzene	15.72	120	1006392	9.494	ppbv		100
65) tert-Butylbenzene	16.91	119	3531558	9.241	ppbv		100
66) Benzyl Chloride	17.15	91	1858252	10.722	ppbv		100
67) sec-Butylbenzene	17.46	105	4952396	9.227	ppbv		100
69) p-Isopropyltoluene	17.81	119	4099494	9.181	ppbv		100
70) n-Butylbenzene	18.71	91	4269144	8.785	ppbv		100
71) 2-Chlorotoluene	15.61	91	2949023	9.648	ppbv		100
72) 4-Ethyltoluene	16.00	105	3441332	9.880	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3266683	9.537	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	3408597	8.922	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	1974553	8.302	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1964739	8.664	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	1877787	8.487	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1729834	10.226	ppbv		100
79) Naphthalene	22.41	128	3840685	10.901	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1695013	11.097	ppbv		100
81) 1,2,4-Trichlorobenzene	22.13	180	1960864	9.597	ppbv		99

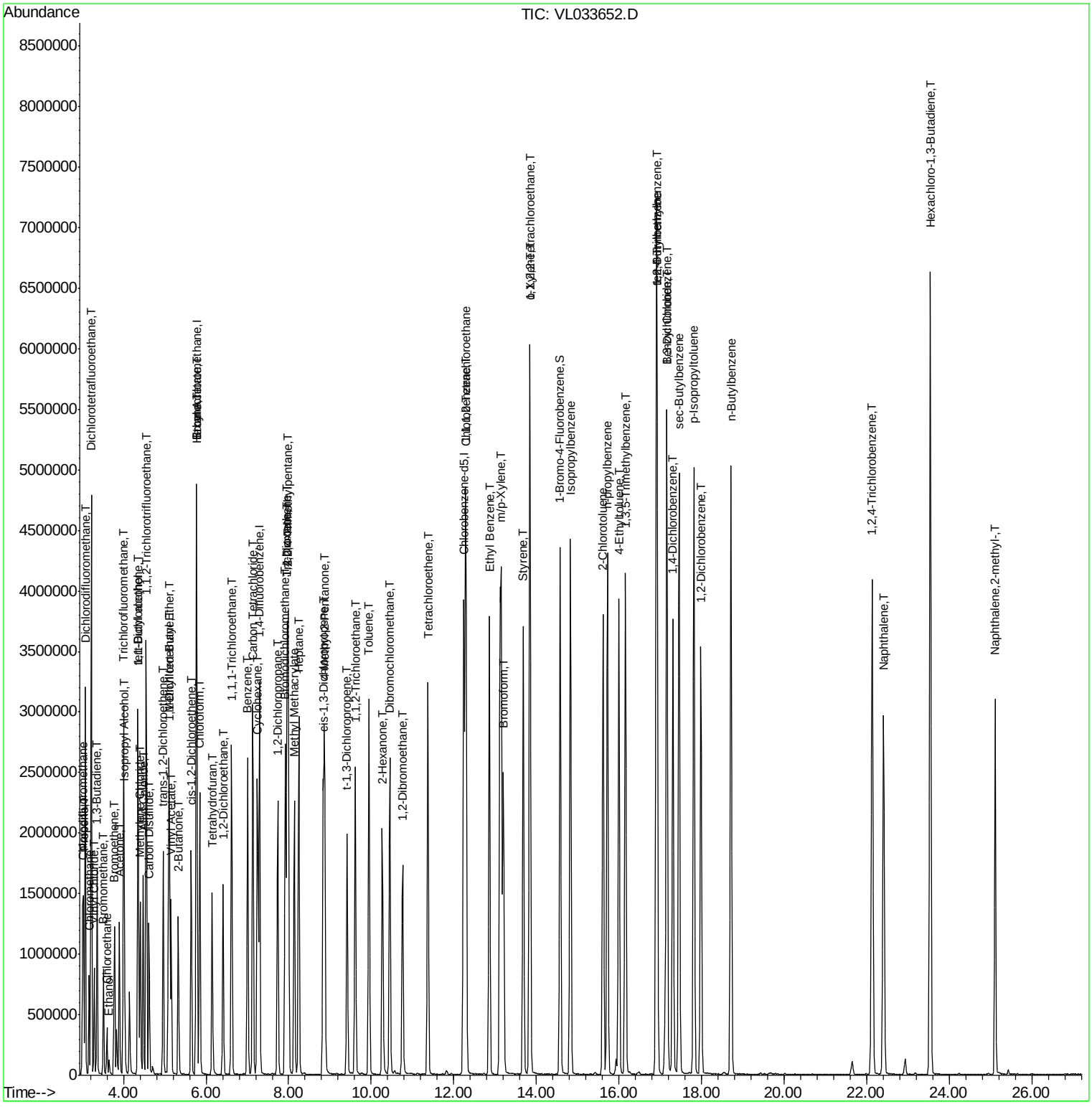
(#) = qualifier out of range (m) = manual integration (+) = signals summed

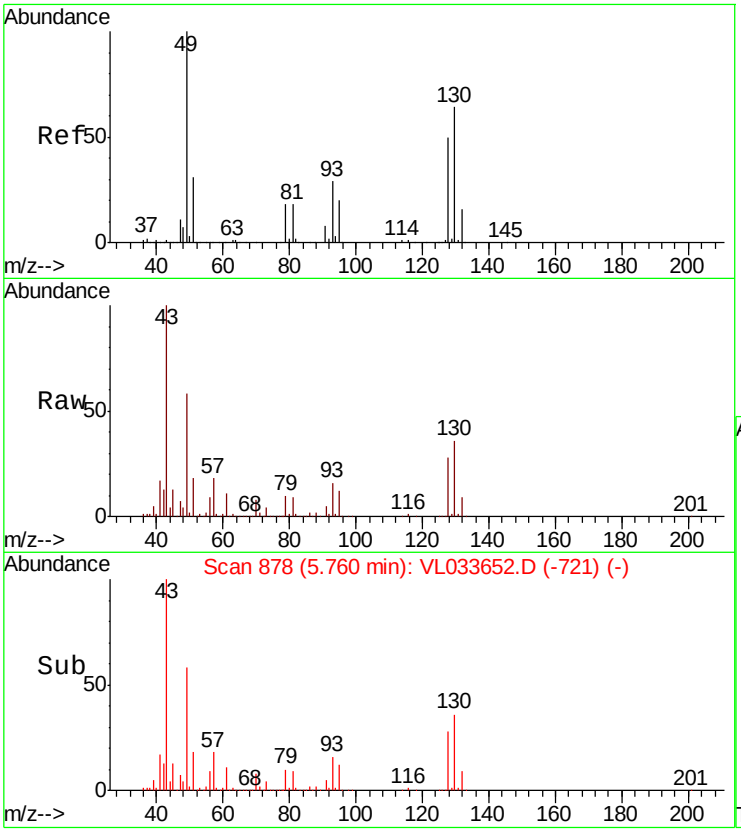
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033652.D
Acq On : 3 May 2019 6:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: May 03 08:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration



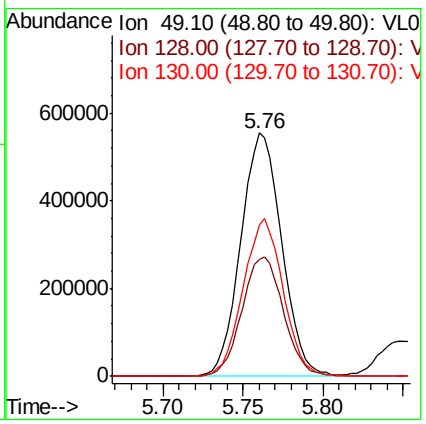


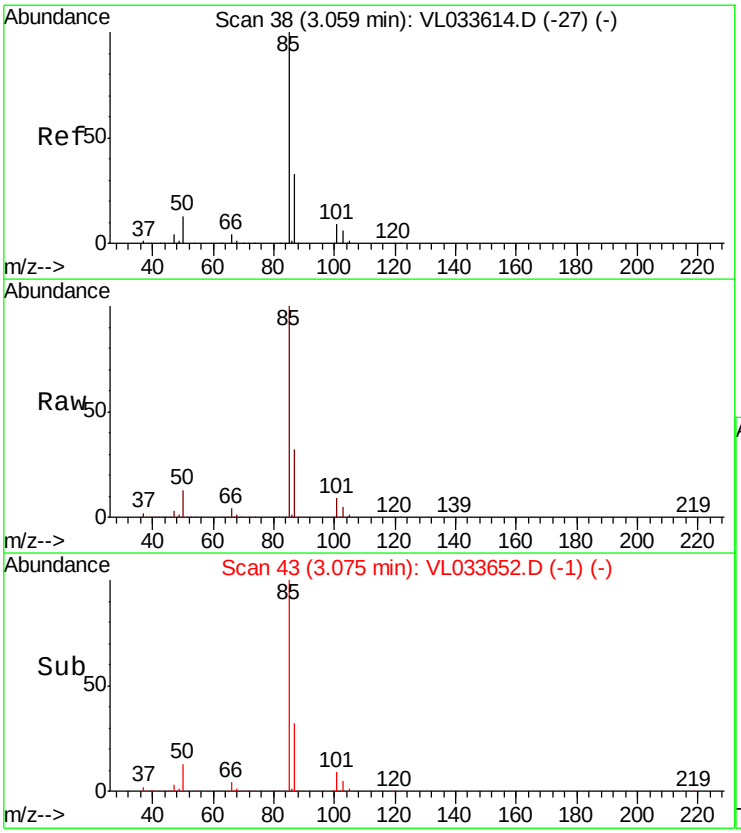
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 969125

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.0	75.0
130	64.0	31.9	95.9

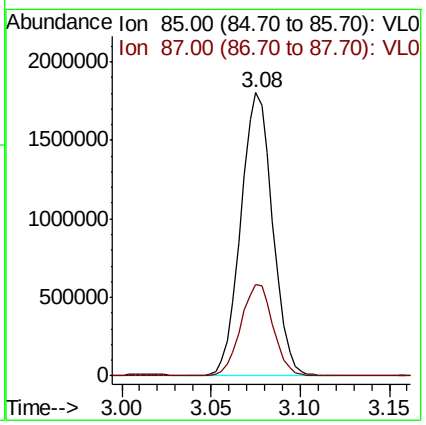


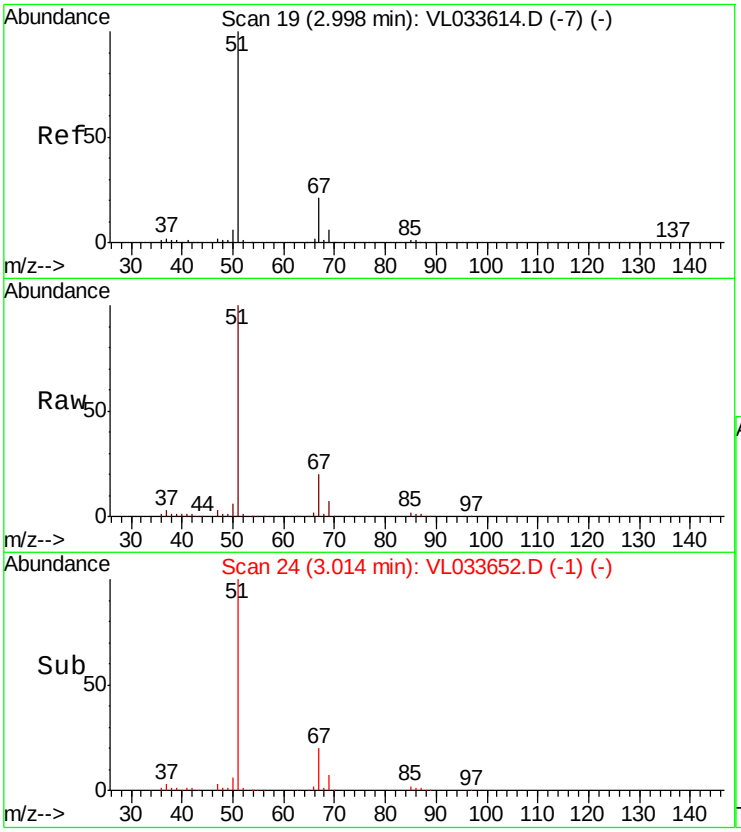


#2
Dichlorodifluoromethane
Concen: 15.406 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 85 Resp: 2250088

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.8	40.2



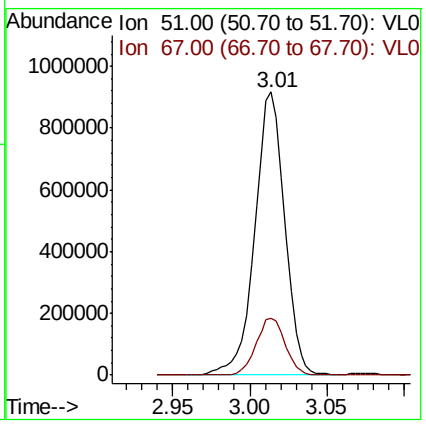


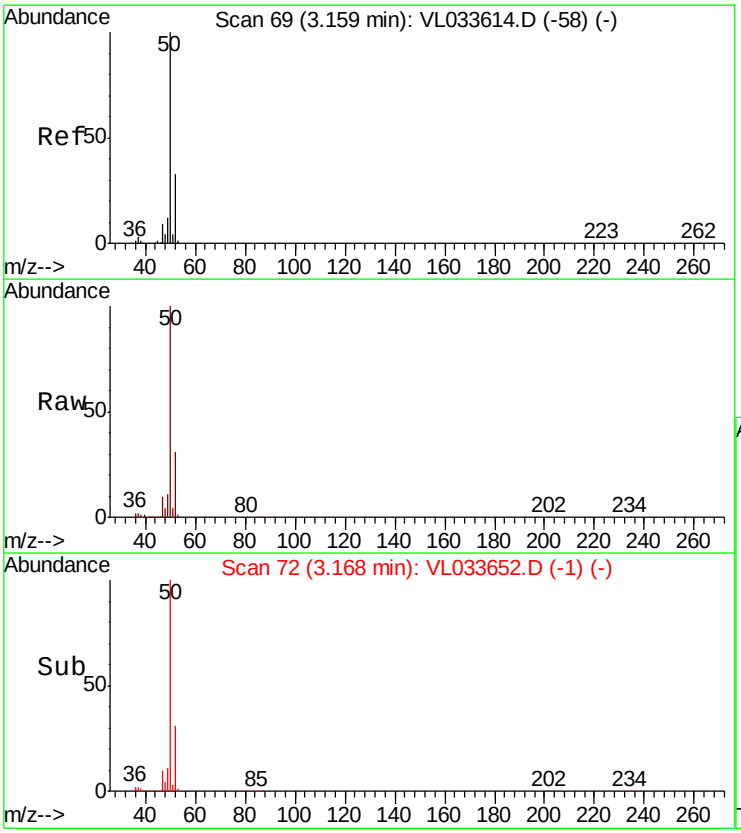
#3
Chlorodifluoromethane
Concen: 10.672 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1236534

Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.6	23.4

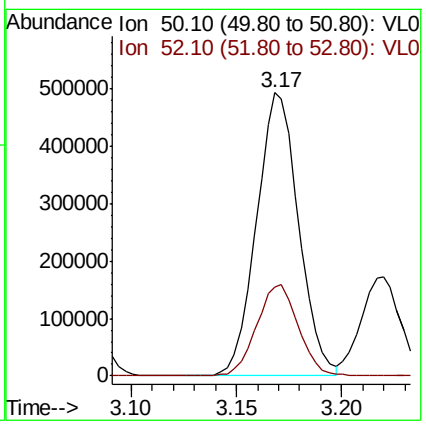


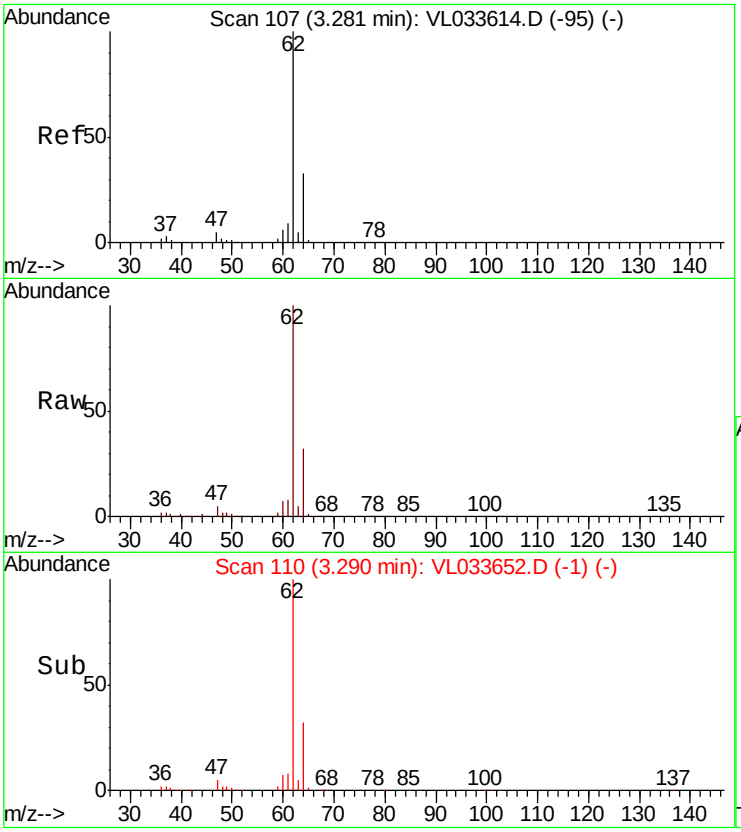


#4
Chloromethane
Concen: 10.829 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 50 Resp: 683411

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.0	39.0



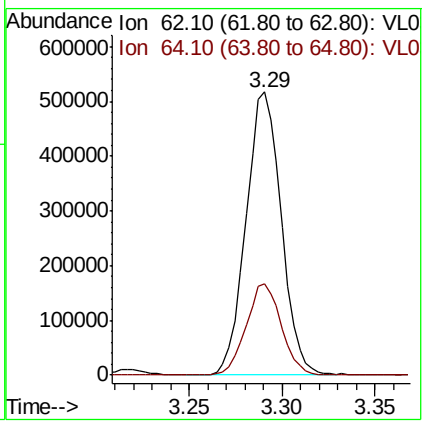


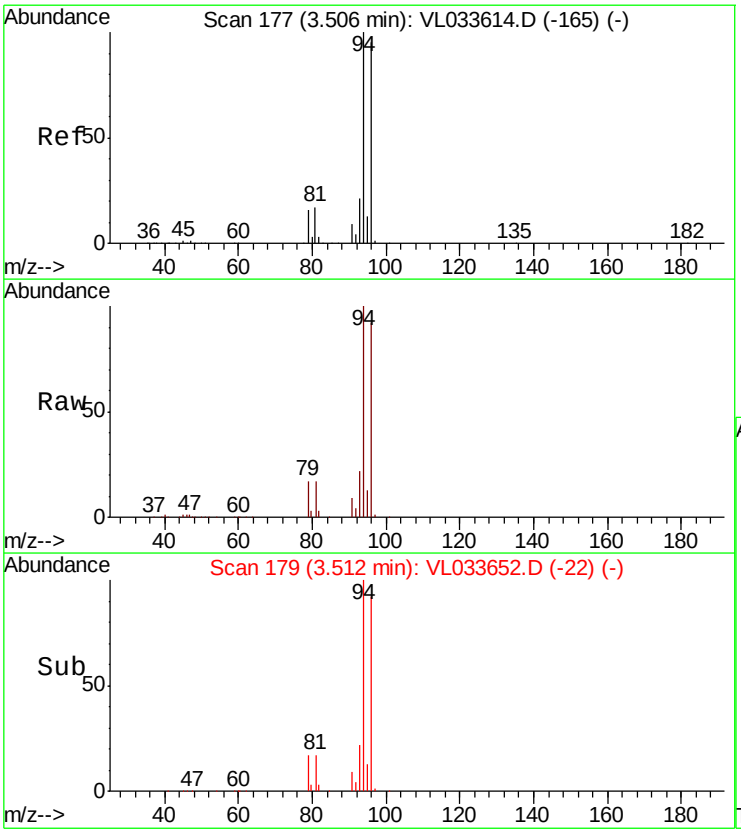
#5
Vinyl Chloride
Concen: 10.383 ppbv
RT: 3.29 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 687517

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.2	39.4

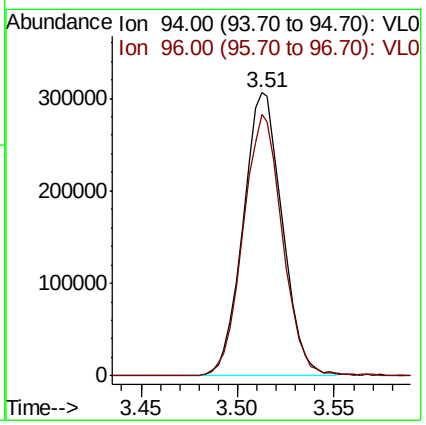


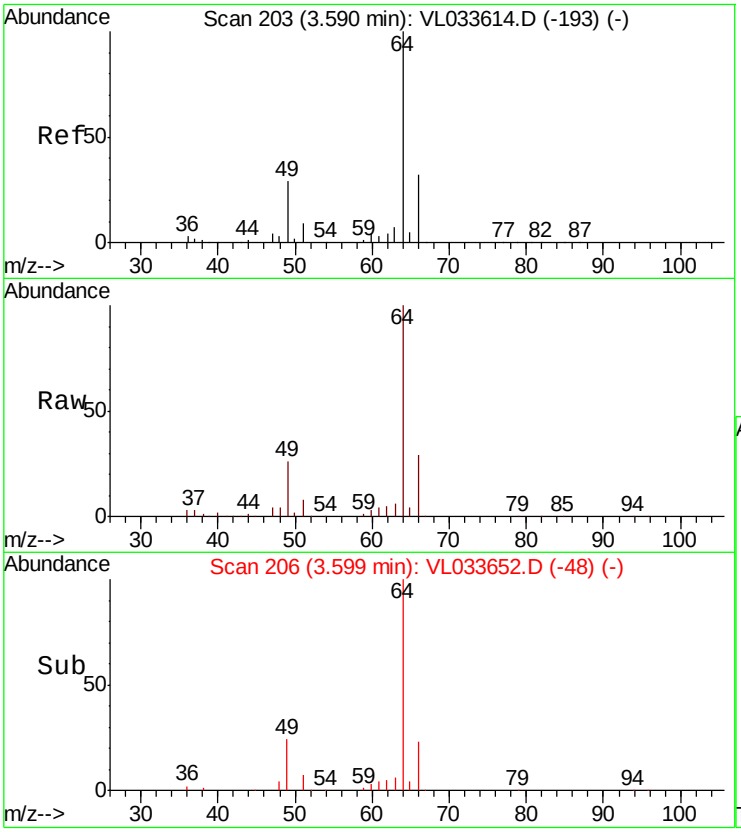


#6
Bromomethane
Concen: 11.084 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 94 Resp: 431936

Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.7	113.5



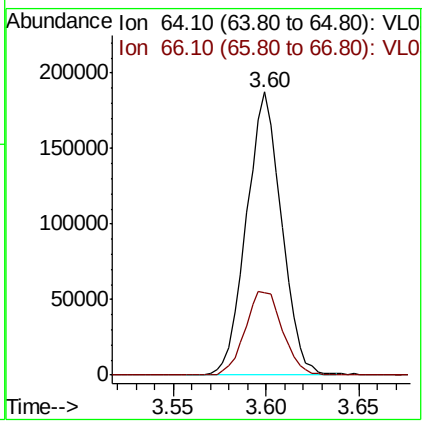


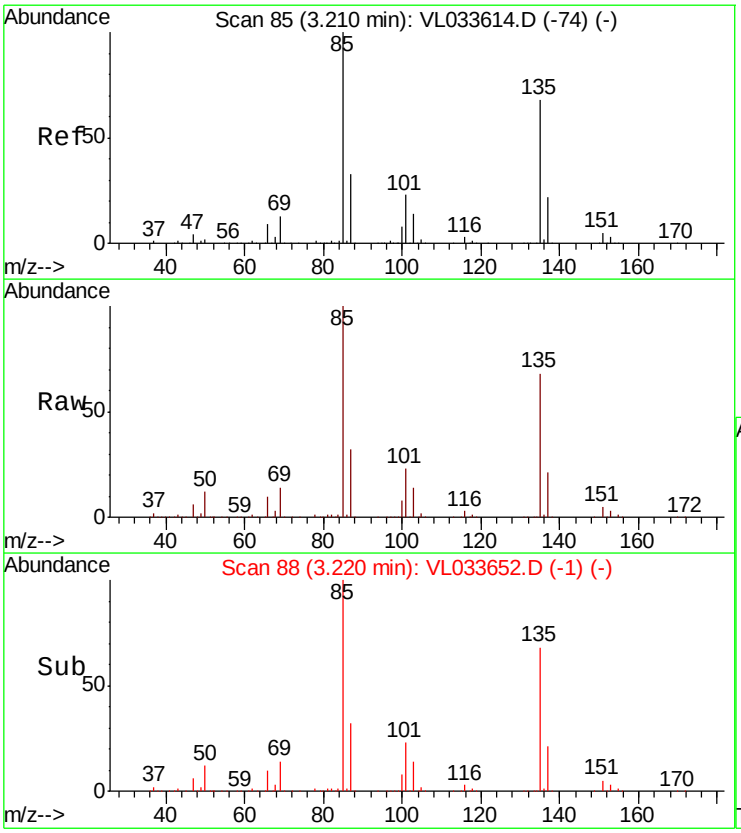
#7
Chloroethane
Concen: 11.156 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 246265

Ion	Ratio	Lower	Upper
64	100		
66	29.3	25.4	38.2

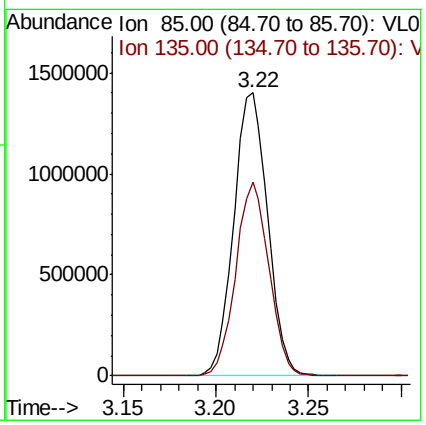


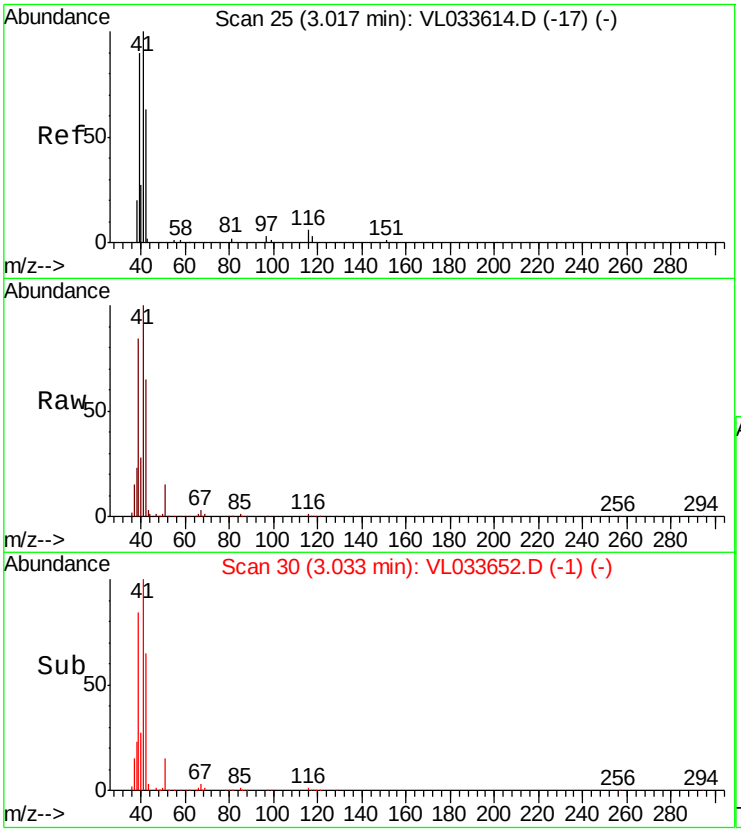


#8
Dichlorotetrafluoroethane
Concen: 11.203 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 85 Resp: 1780135

Ion	Ratio	Lower	Upper
85	100		
135	67.0	55.0	82.6



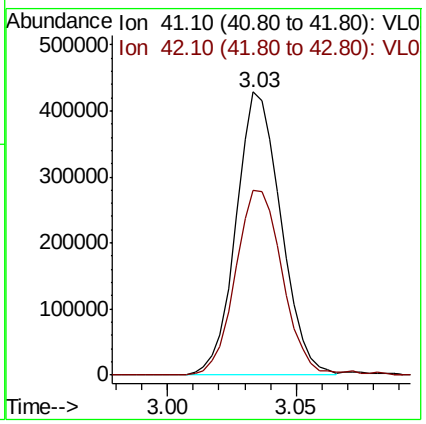


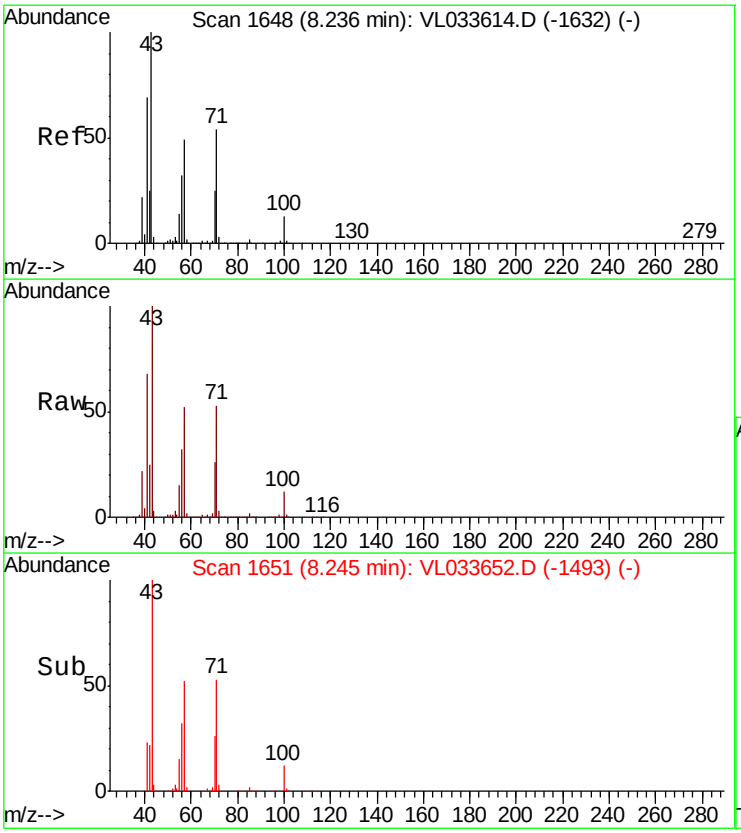
#9
Propene
Concen: 15.608 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 517842

Ion	Ratio	Lower	Upper
41	100		
42	70.2	66.0	99.0

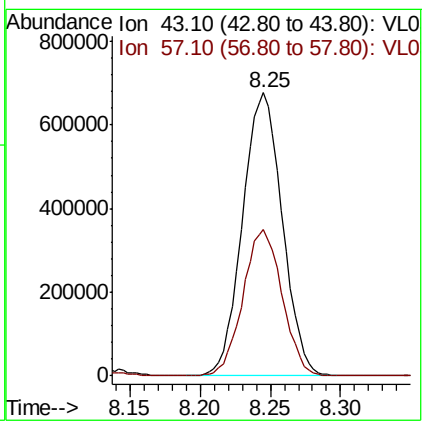


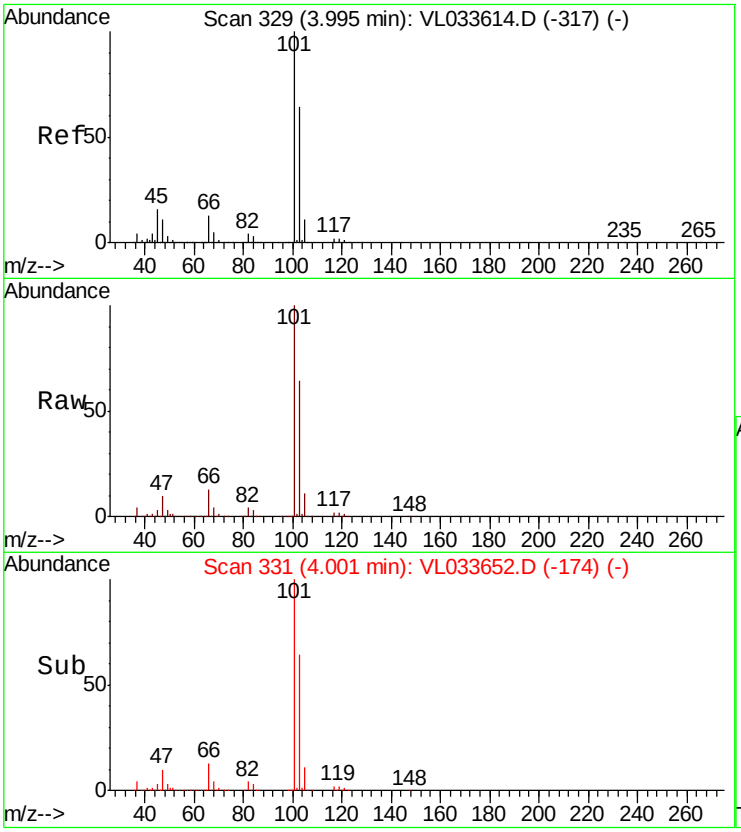


#10
Heptane
Concen: 10.830 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 43 Resp: 1328679

Ion	Ratio	Lower	Upper
43	100		
57	51.1	40.3	60.5



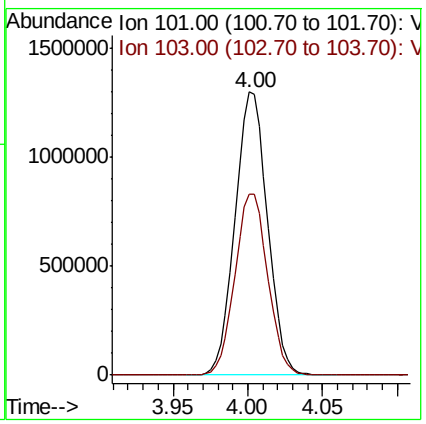


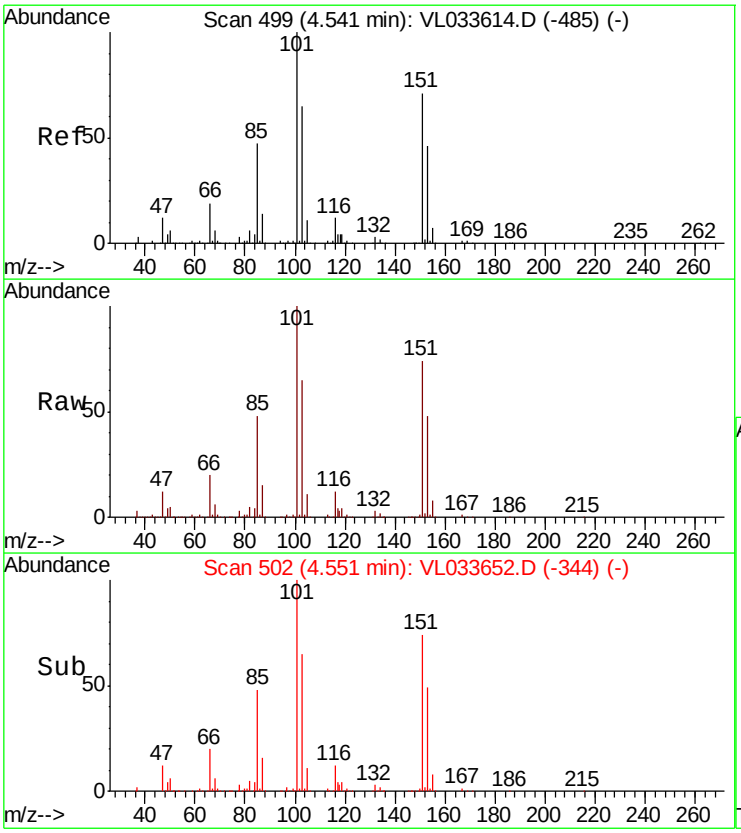
#11
Trichlorofluoromethane
Concen: 11.295 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1960780

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

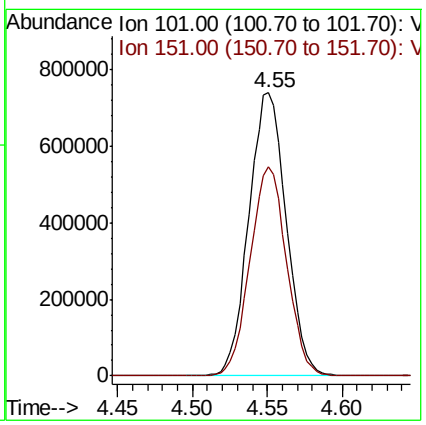


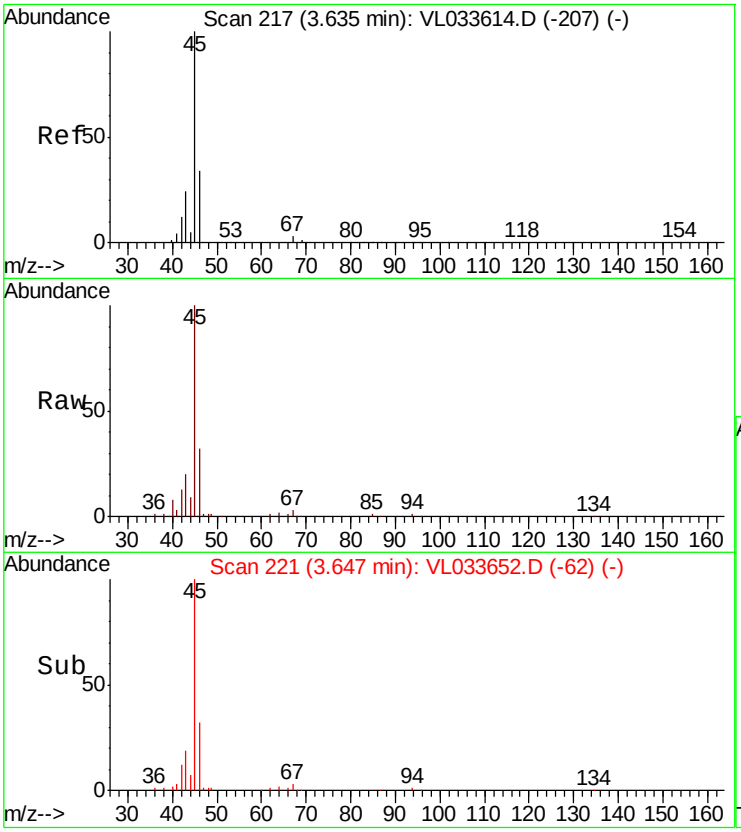


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.808 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:101 Resp: 1286790

Ion	Ratio	Lower	Upper
101	100		
151	72.5	59.2	88.8

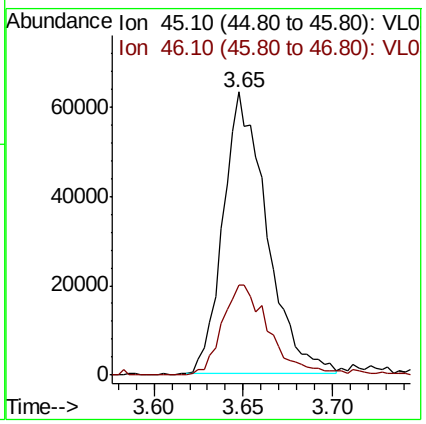




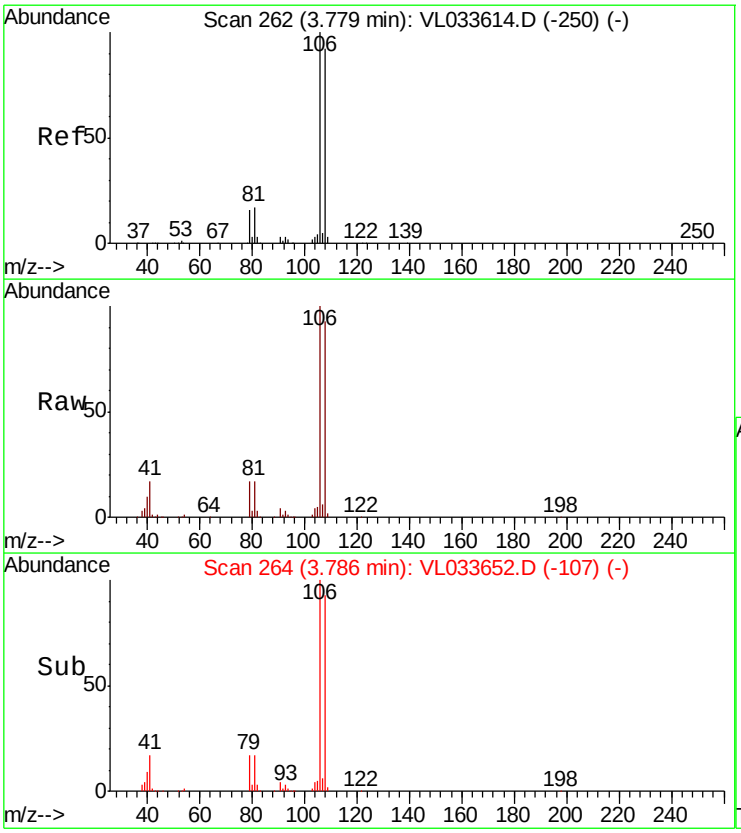
#13
Ethanol
Concen: 7.103 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 45 Resp: 106845

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.6	58.2



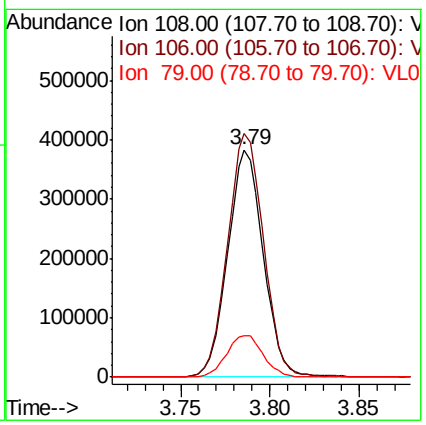
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

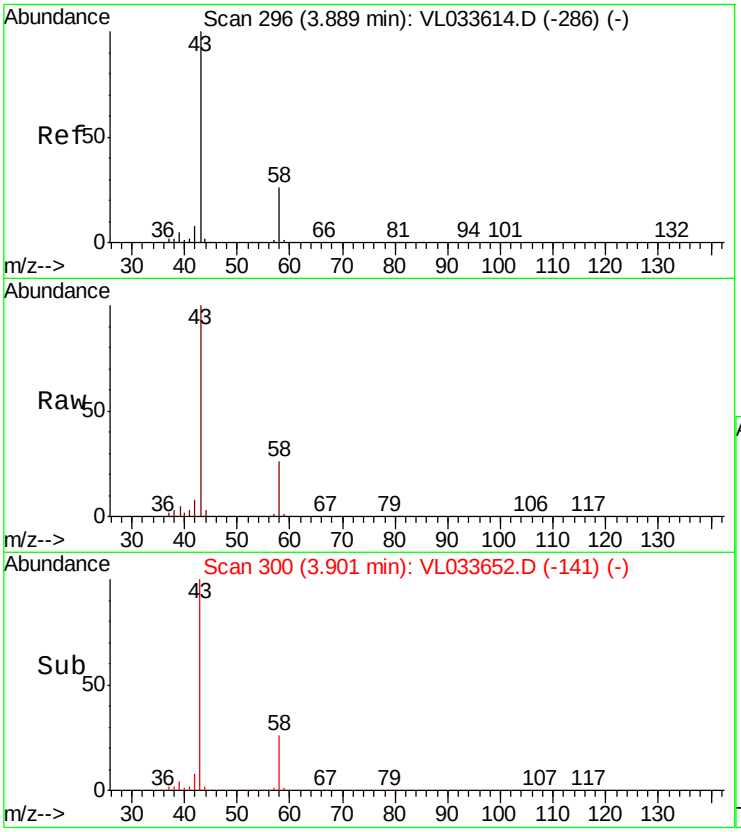


#14
Bromoethene
Concen: 10.798 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:108 Resp: 527709

Ion	Ratio	Lower	Upper
108	100		
106	109.2	84.6	127.0
79	19.3	14.4	21.6



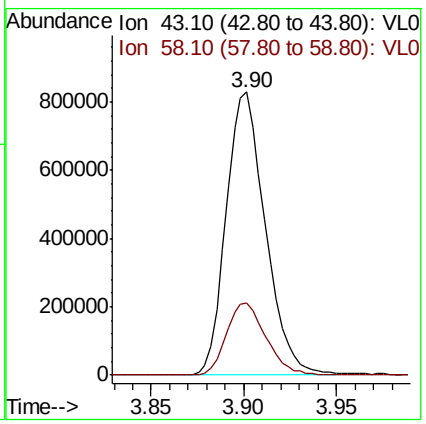


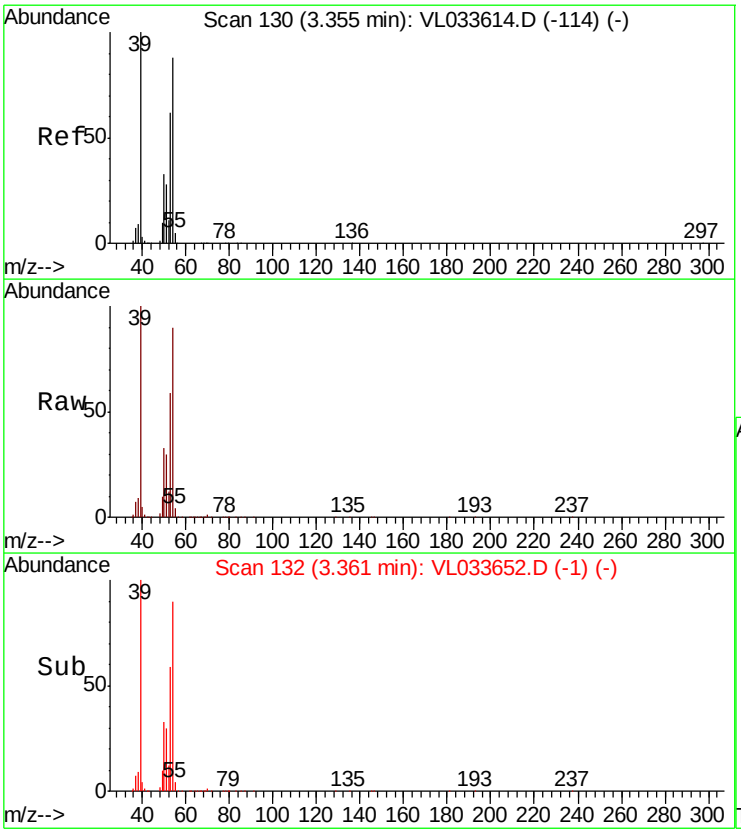
#15
Acetone
Concen: 10.318 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1217428

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8

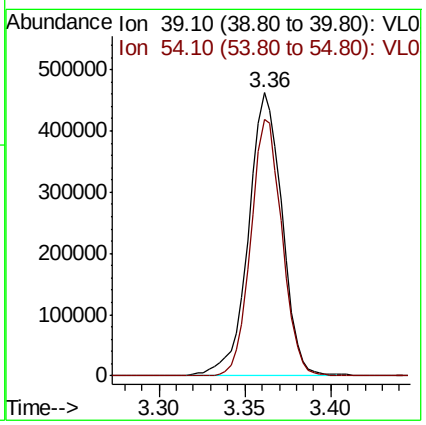


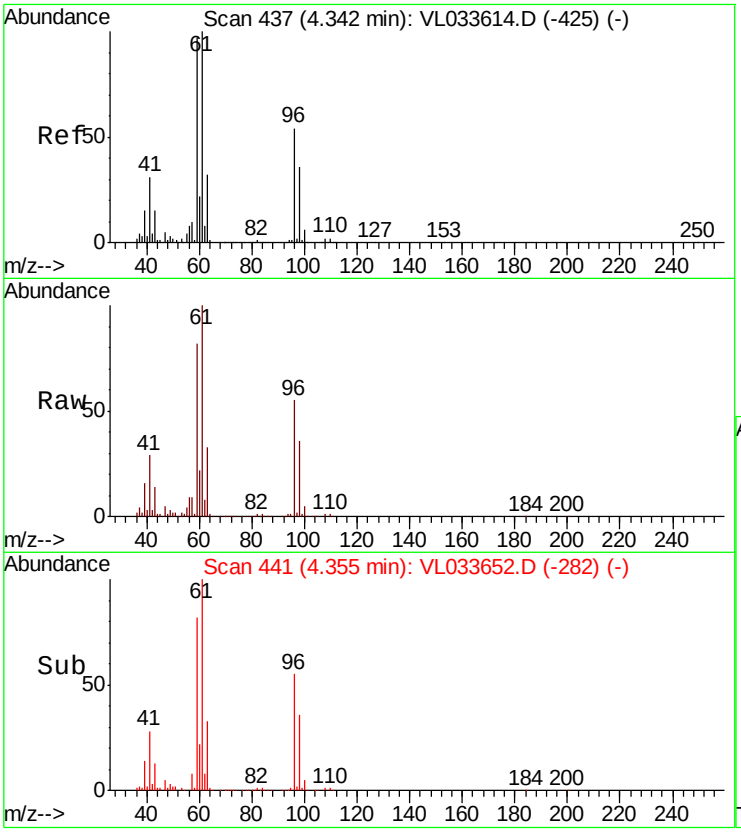


#16
1,3-Butadiene
Concen: 11.772 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 39 Resp: 625090

Ion	Ratio	Lower	Upper
39	100		
54	84.3	68.4	102.6



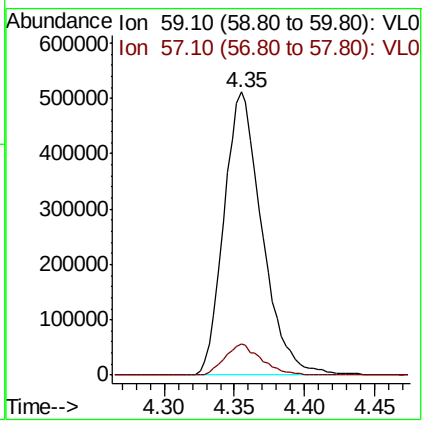


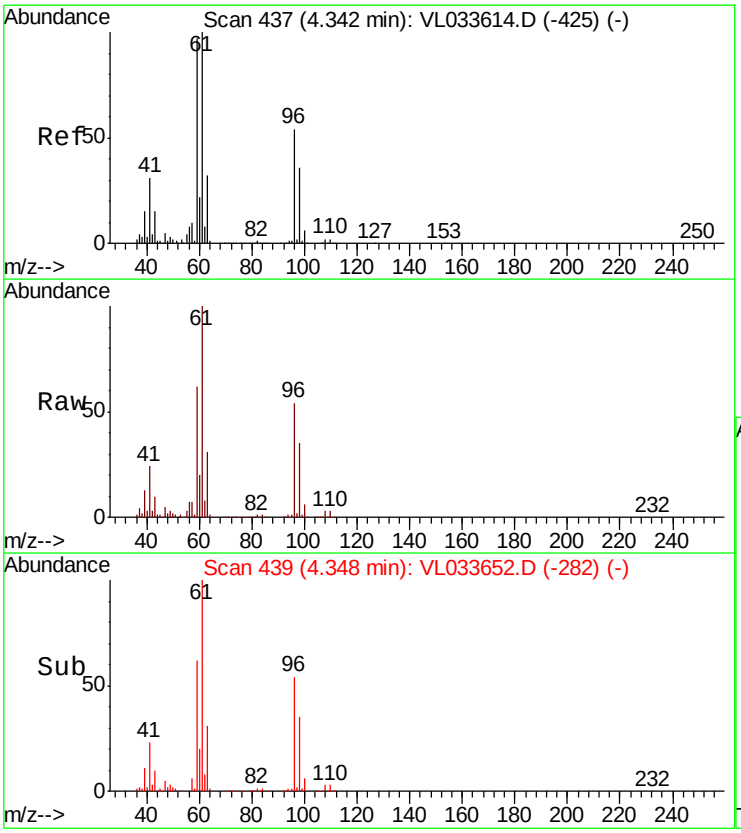
#17
tert-Butyl alcohol
Concen: 9.464 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 964092

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

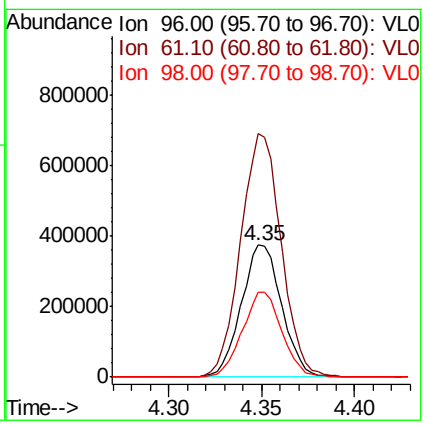


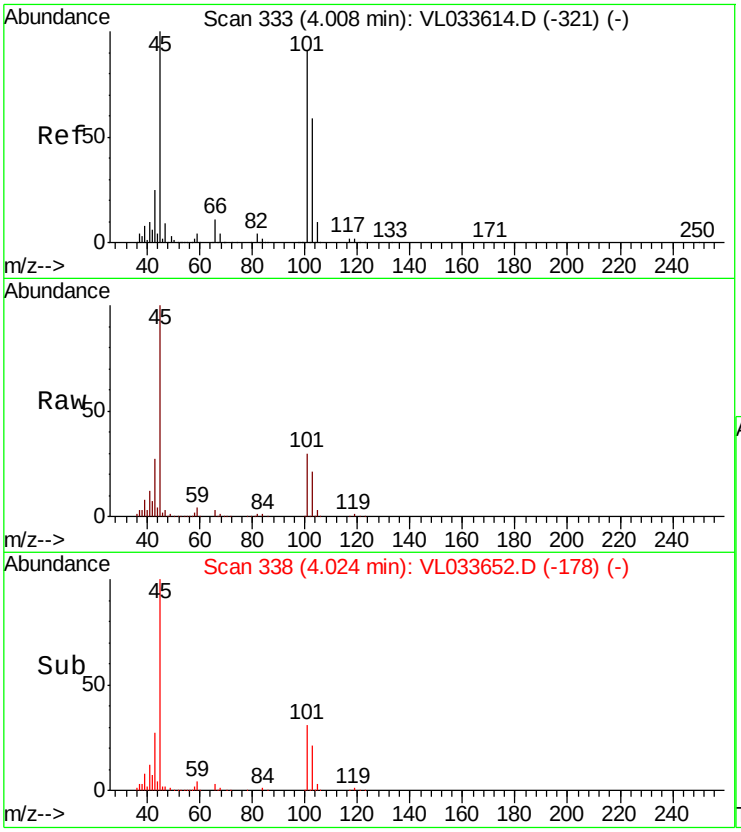


#18
1,1-Dichloroethene
Concen: 11.003 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 96 Resp: 569284

Ion	Ratio	Lower	Upper
96	100		
61	184.8	147.3	220.9
98	64.4	53.6	80.4



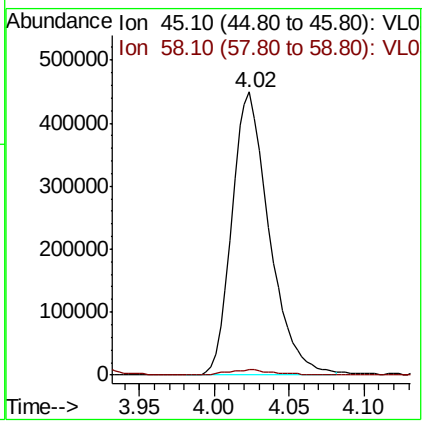


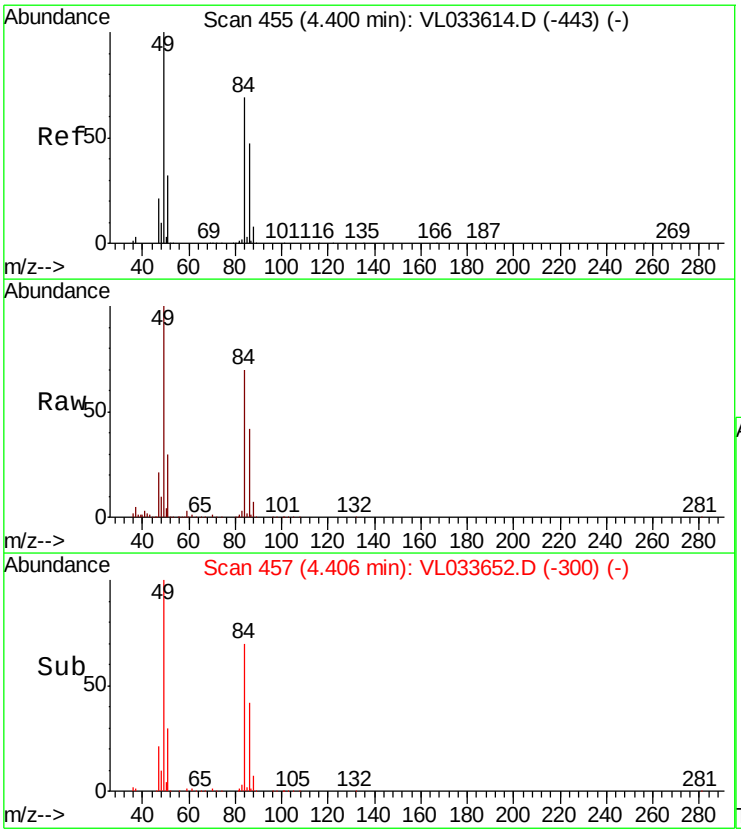
#19
Isopropyl Alcohol
Concen: 9.679 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 783786

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.8	2.6

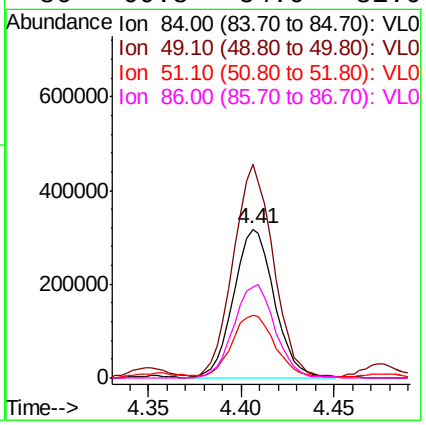


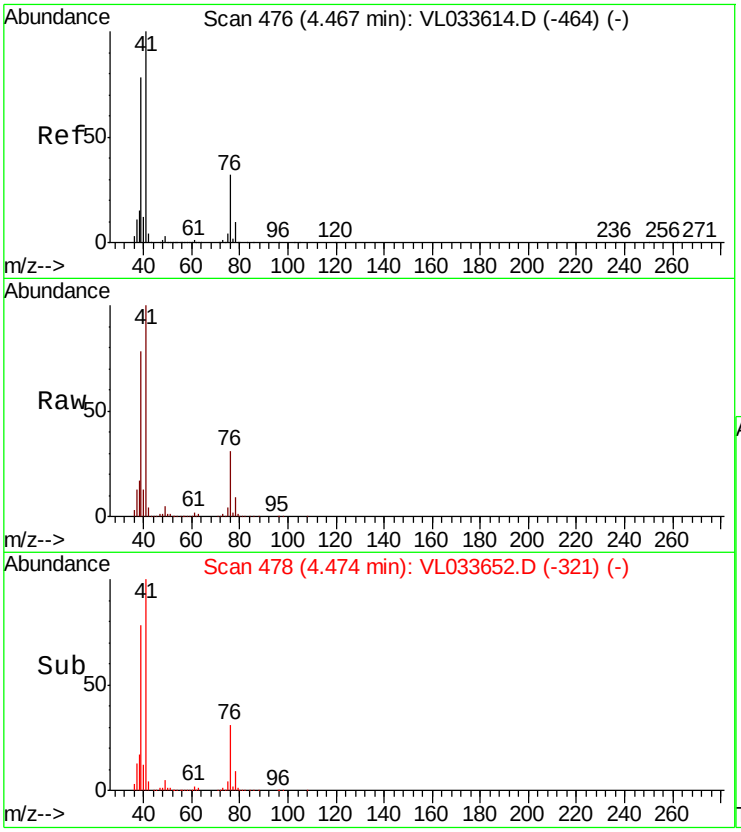


#20
Methylene Chloride
Concen: 10.458 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 84 Resp: 480868

Ion	Ratio	Lower	Upper
84	100		
49	142.5	116.2	174.2
51	41.5	37.0	55.6
86	60.8	54.0	81.0



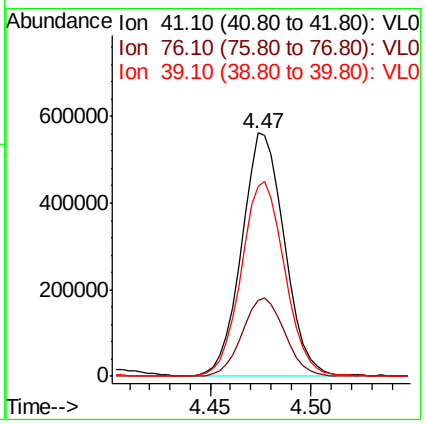


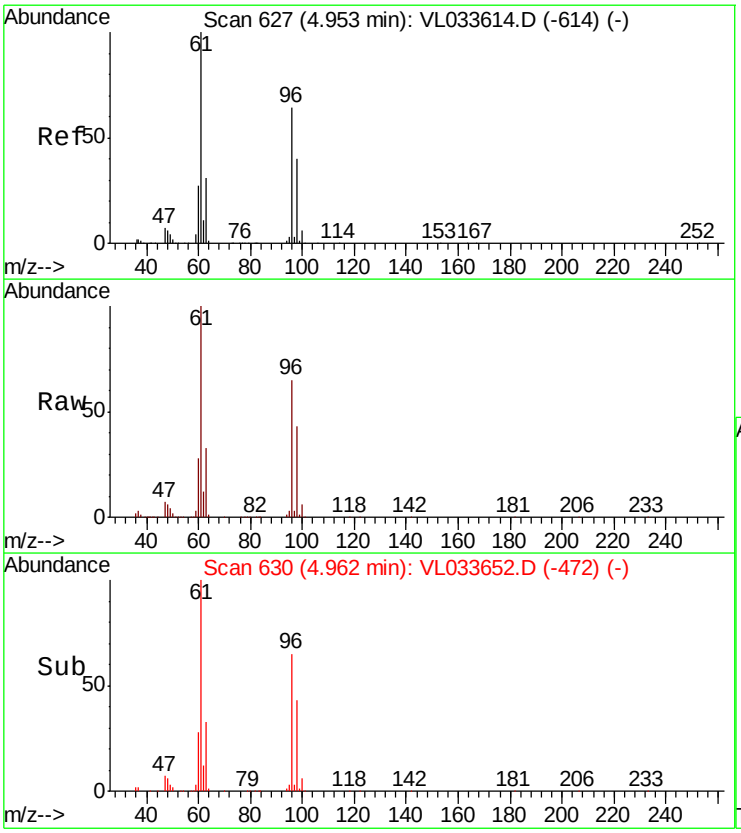
#21
Allyl Chloride
Concen: 11.185 ppbv
RT: 4.47 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 830176

Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.0	37.6
39	82.3	64.6	96.8

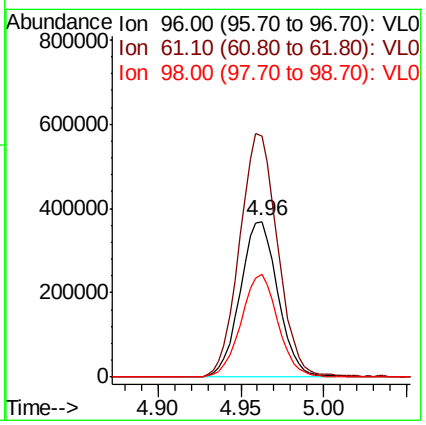


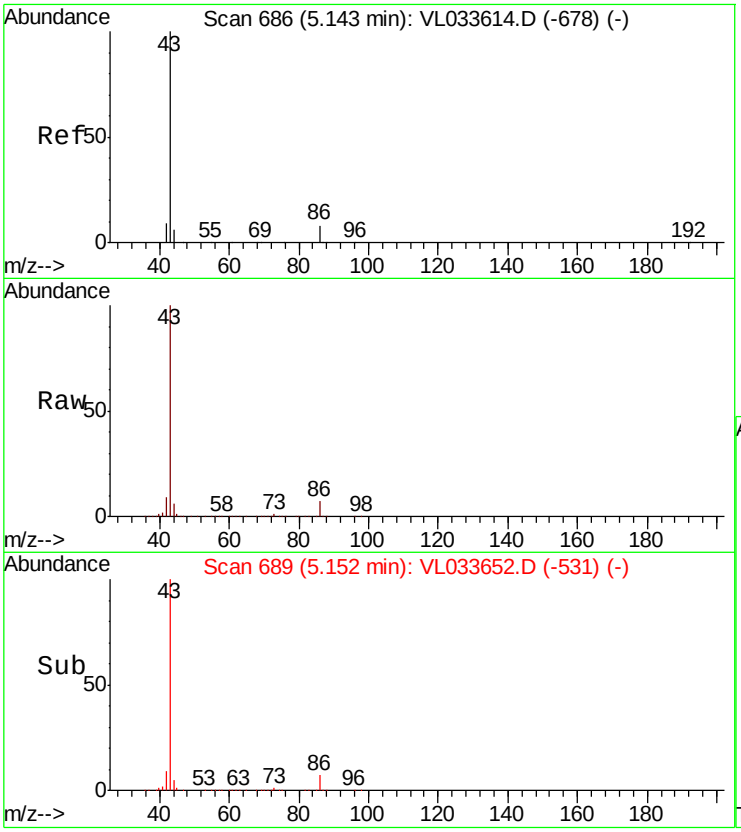


#22
trans-1,2-Dichloroethene
Concen: 11.537 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 96 Resp: 584598

Ion	Ratio	Lower	Upper
96	100		
61	154.4	124.9	187.3
98	65.6	50.5	75.7



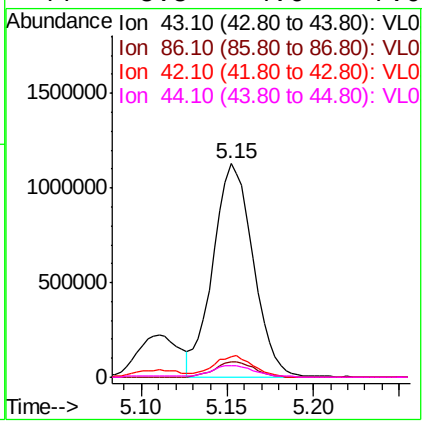


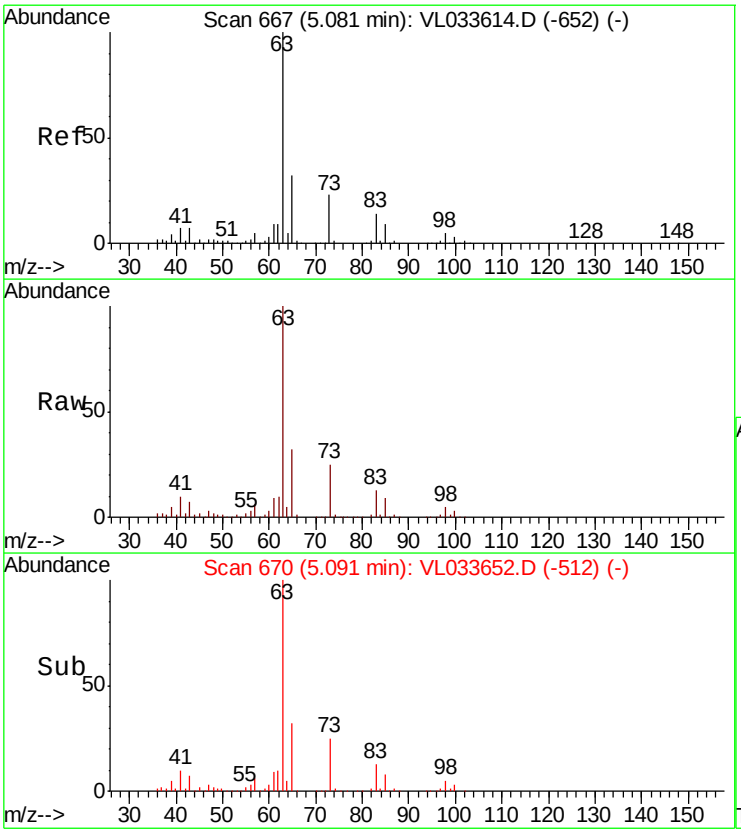
#23
Vinyl Acetate
Concen: 10.452 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1833904

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.3	7.8	11.8
44	5.5	4.6	7.0

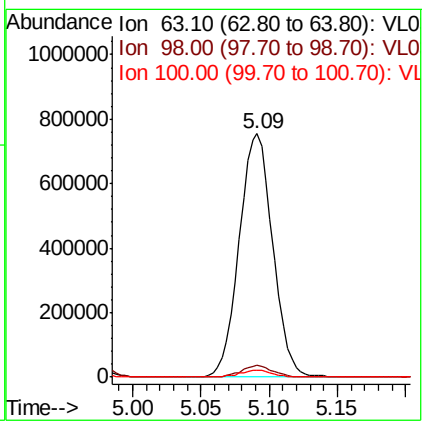


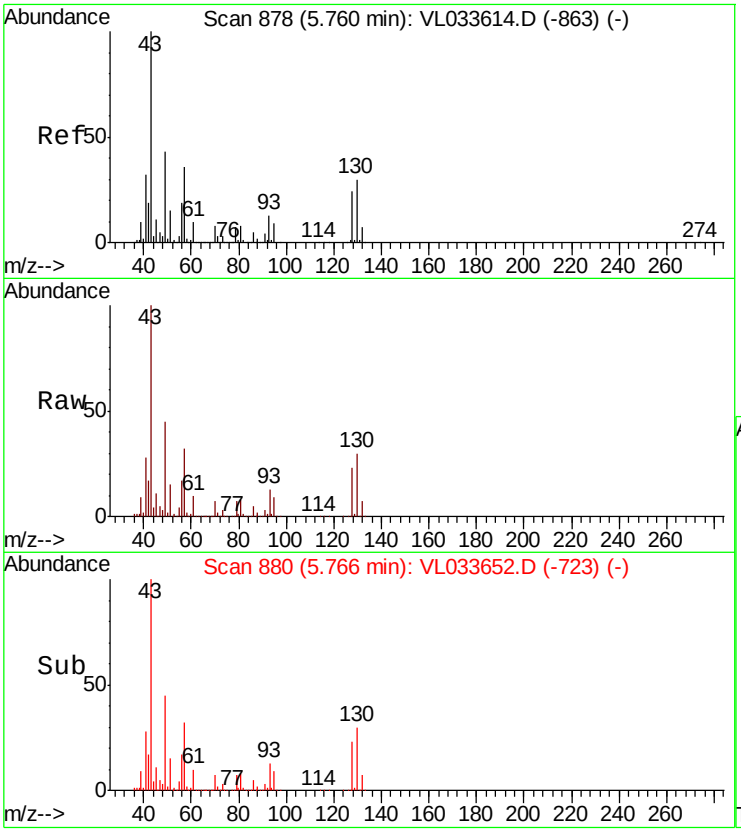


#24
1,1-Dichloroethane
Concen: 9.836 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 63 Resp: 1284768

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.4	7.2
100	2.7	1.4	4.0



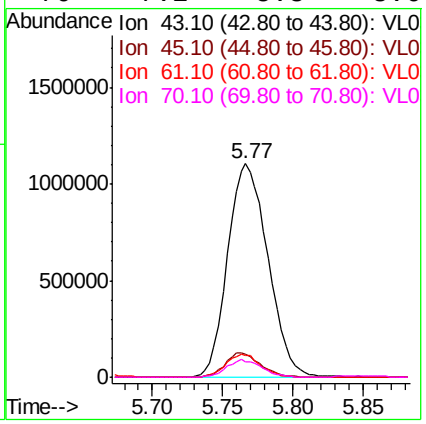


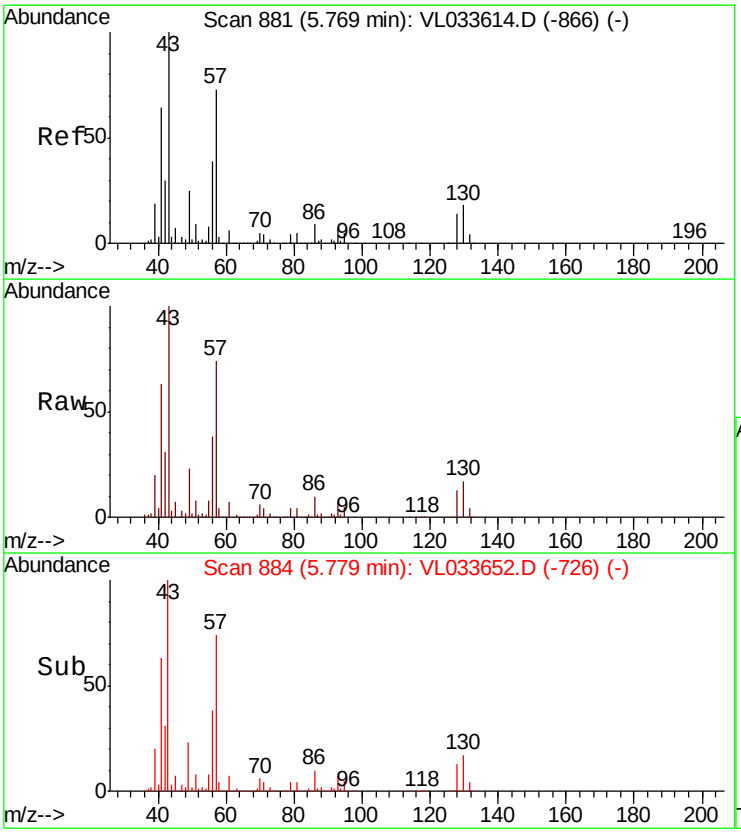
#25
Ethyl Acetate
Concen: 9.827 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2200528

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.4	7.5	11.3
70	7.2	5.8	8.6

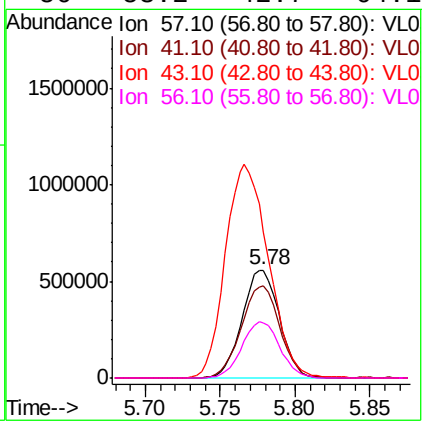


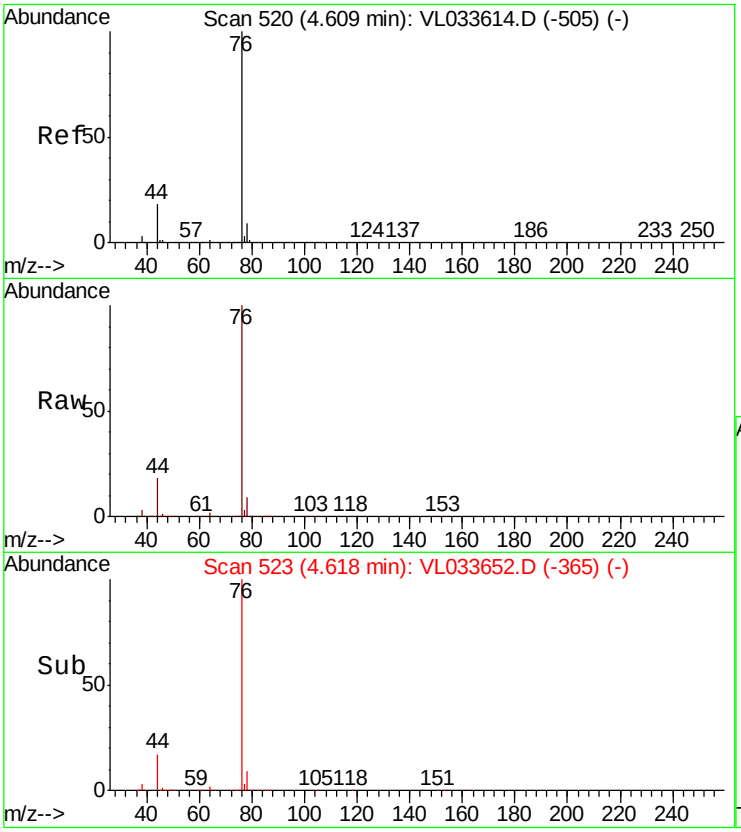


#26
Hexane
Concen: 10.234 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 57 Resp: 964990

Ion	Ratio	Lower	Upper
57	100		
41	88.4	70.6	106.0
43	229.0	186.0	279.0
56	53.2	42.7	64.1



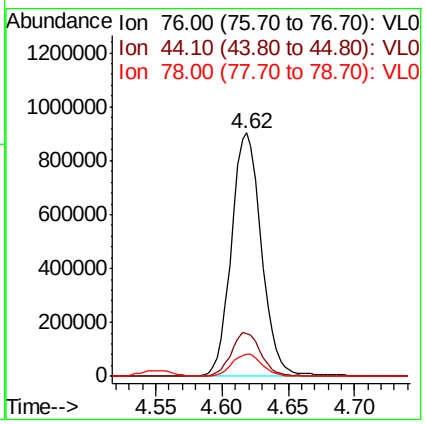


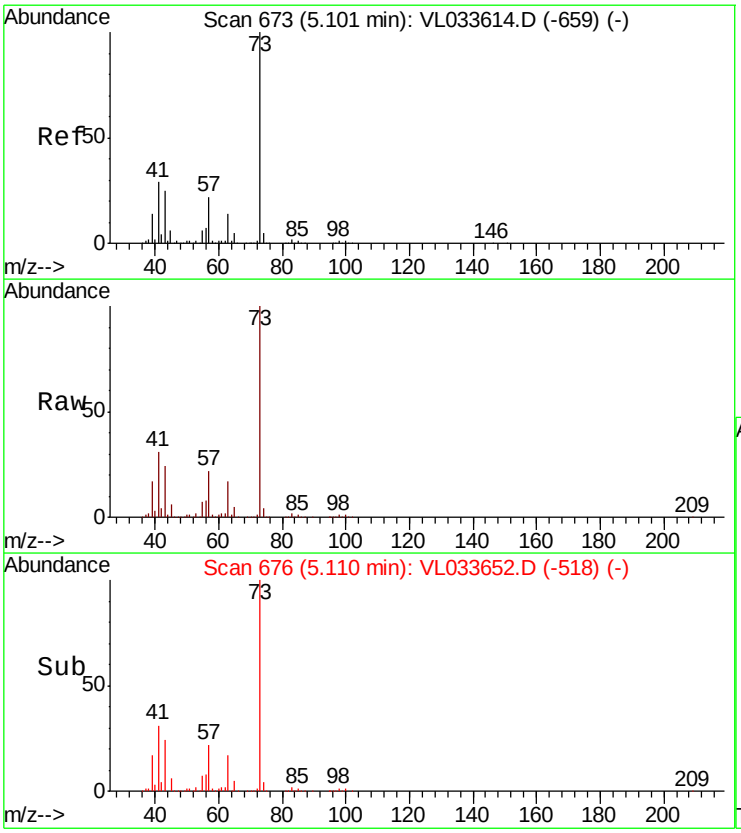
#27
Carbon Disulfide
Concen: 12.453 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1422015

Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.3	21.5
78	9.0	7.5	11.3

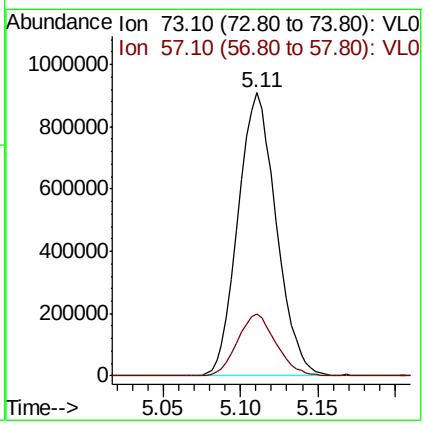


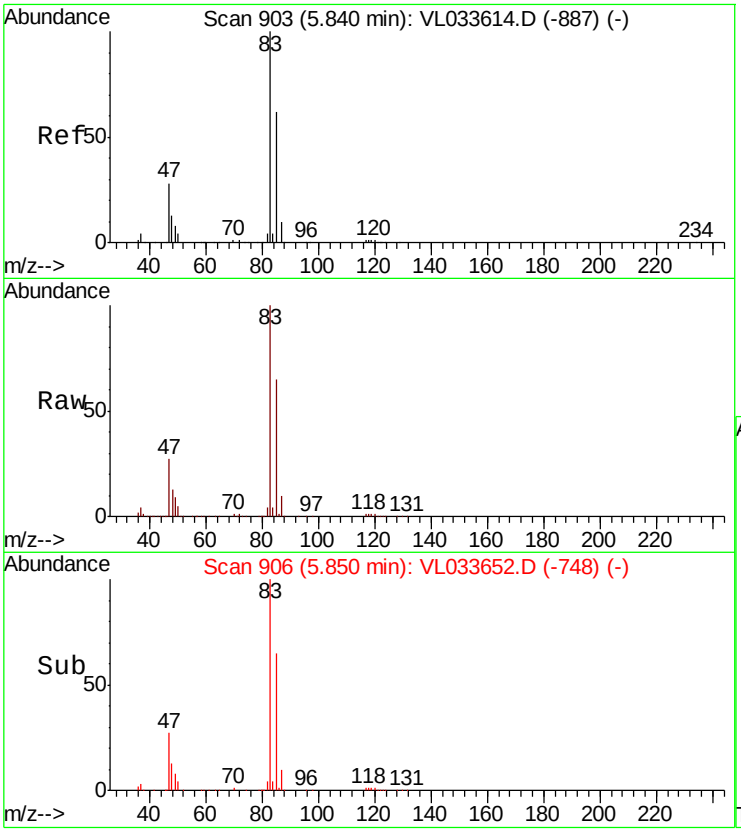


#28
Methyl tert-Butyl Ether
Concen: 9.862 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 73 Resp: 1568128

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8



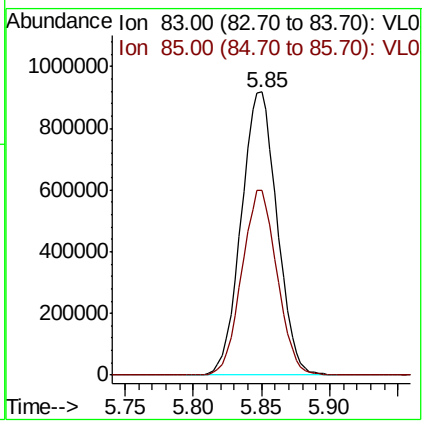


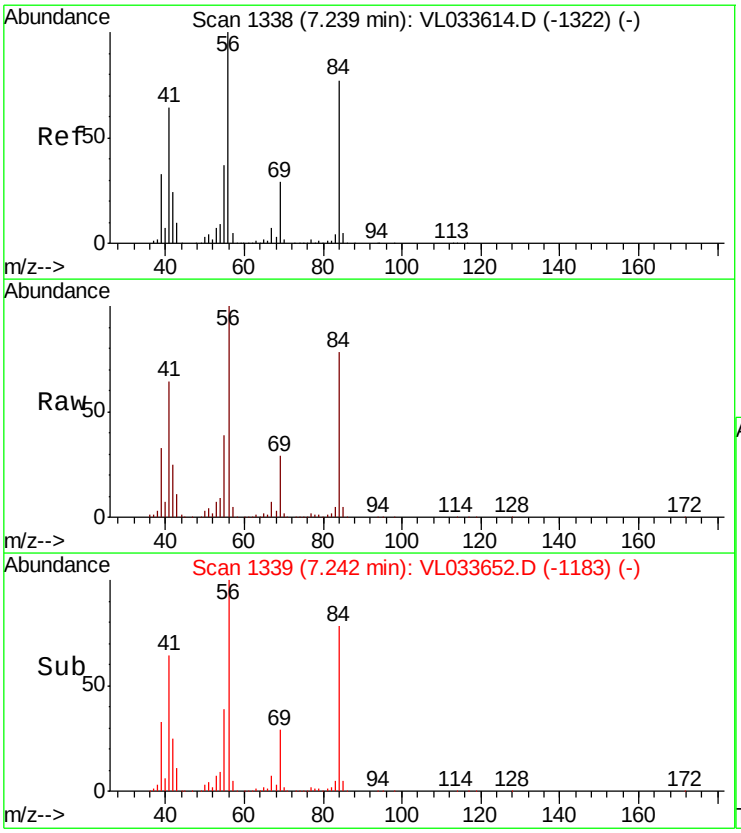
#29
Chloroform
Concen: 9.666 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1670297

Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.9	74.9

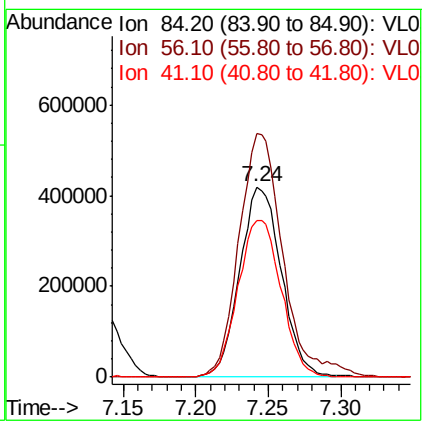


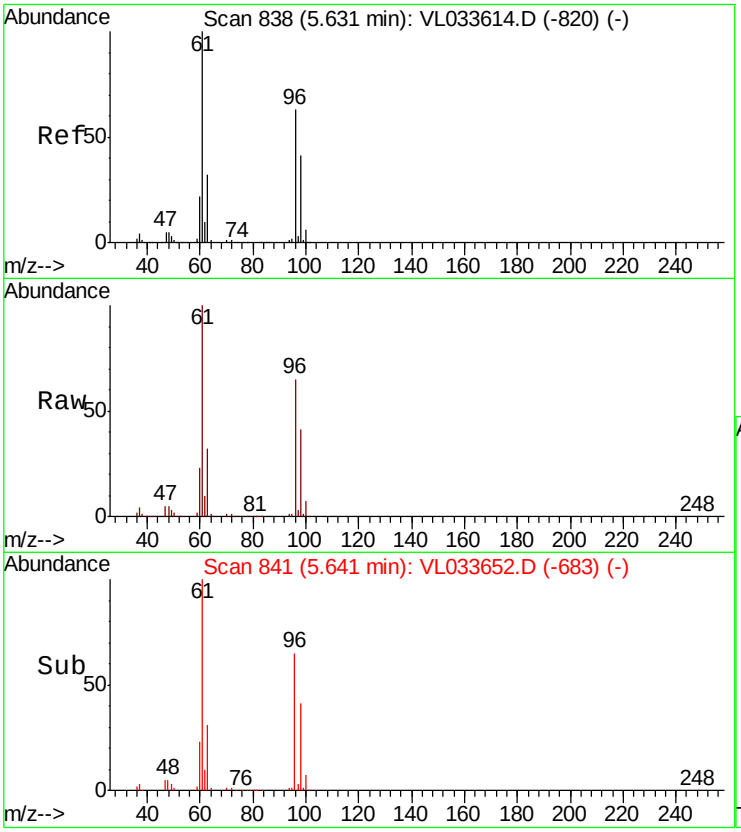


#30
Cyclohexane
Concen: 10.513 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 84 Resp: 839175

Ion	Ratio	Lower	Upper
84	100		
56	135.6	108.4	162.6
41	85.3	67.0	100.4



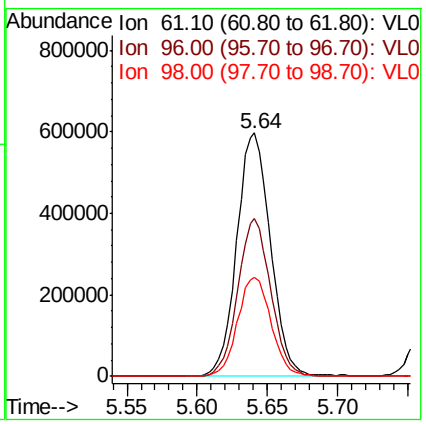


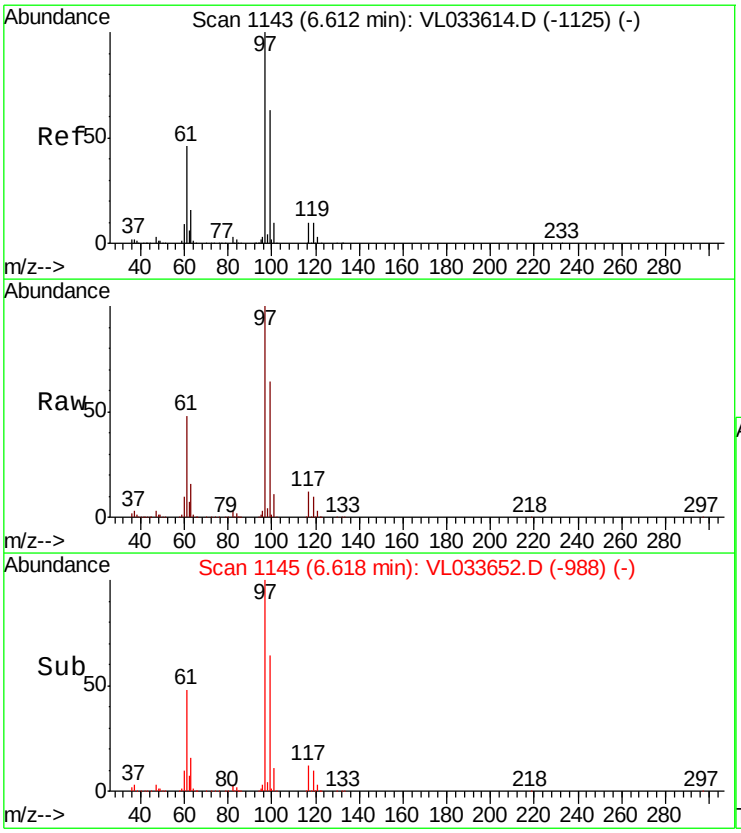
#31
cis-1,2-Dichloroethene
Concen: 10.519 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1001047

Ion	Ratio	Lower	Upper
61	100		
96	65.0	50.6	76.0
98	40.8	32.8	49.2

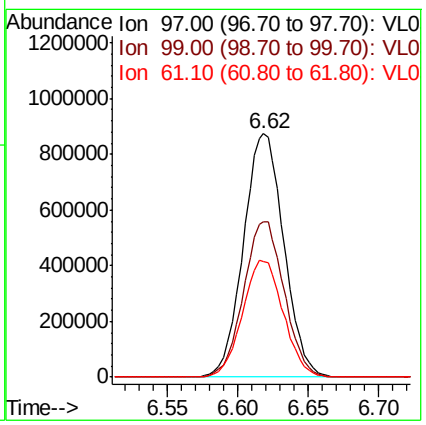


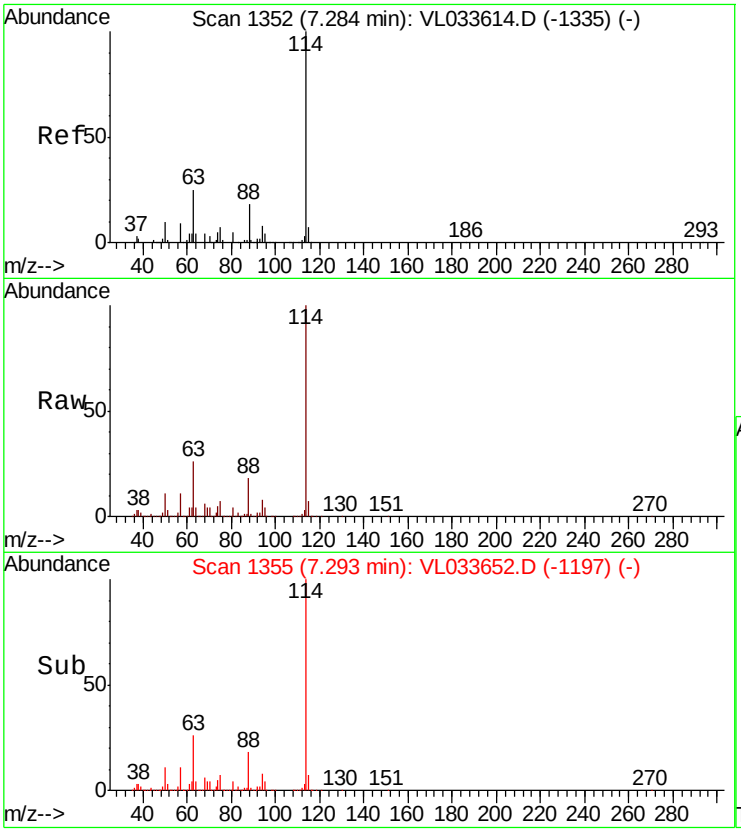


#32
1,1,1-Trichloroethane
Concen: 9.683 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 97 Resp: 1751358

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	48.4	38.2	57.2



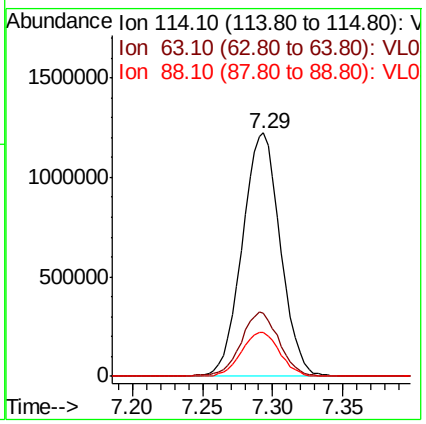


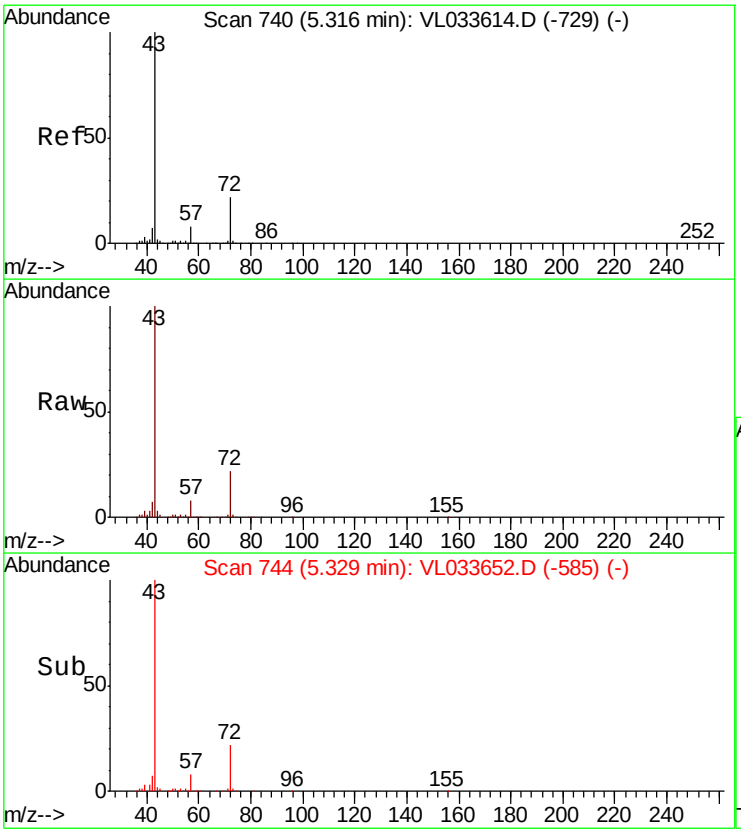
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2308201

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	18.2	14.2	21.4

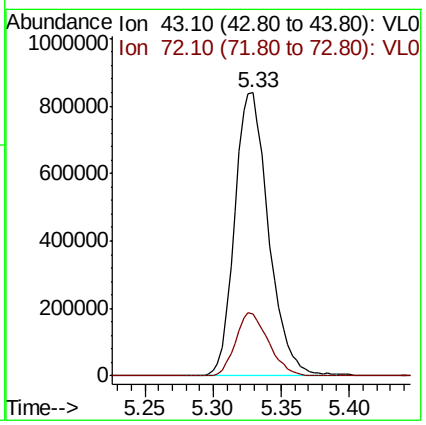


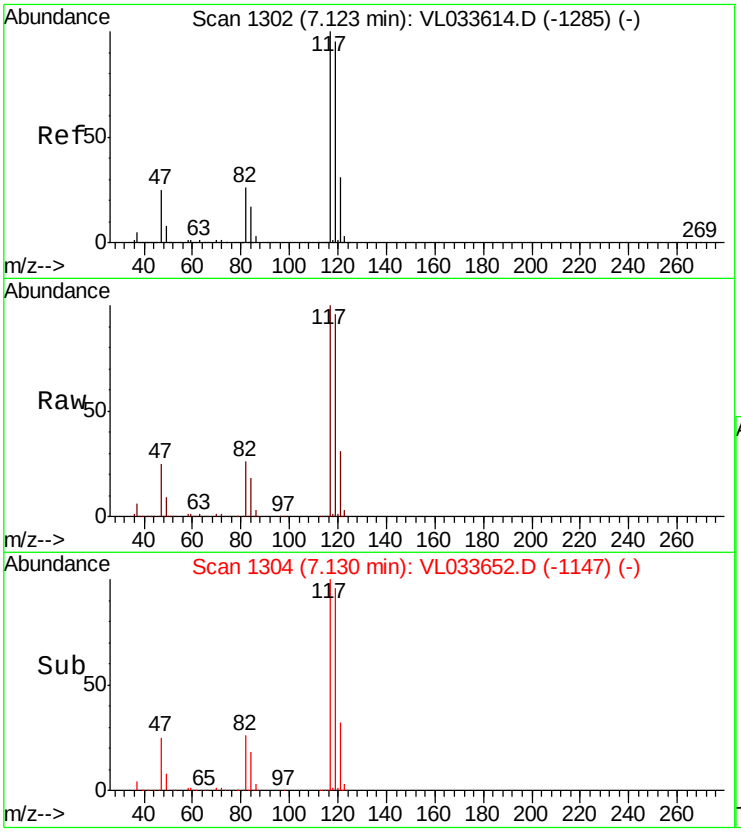


#34
2-Butanone
Concen: 10.185 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 43 Resp: 1443219

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.8



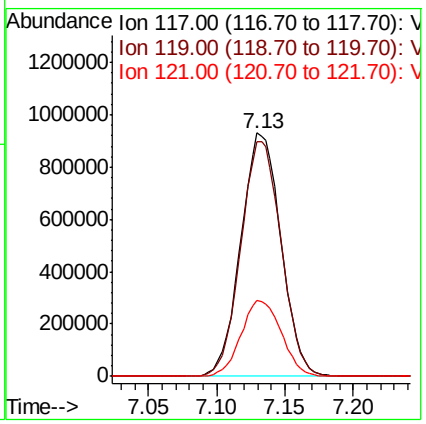


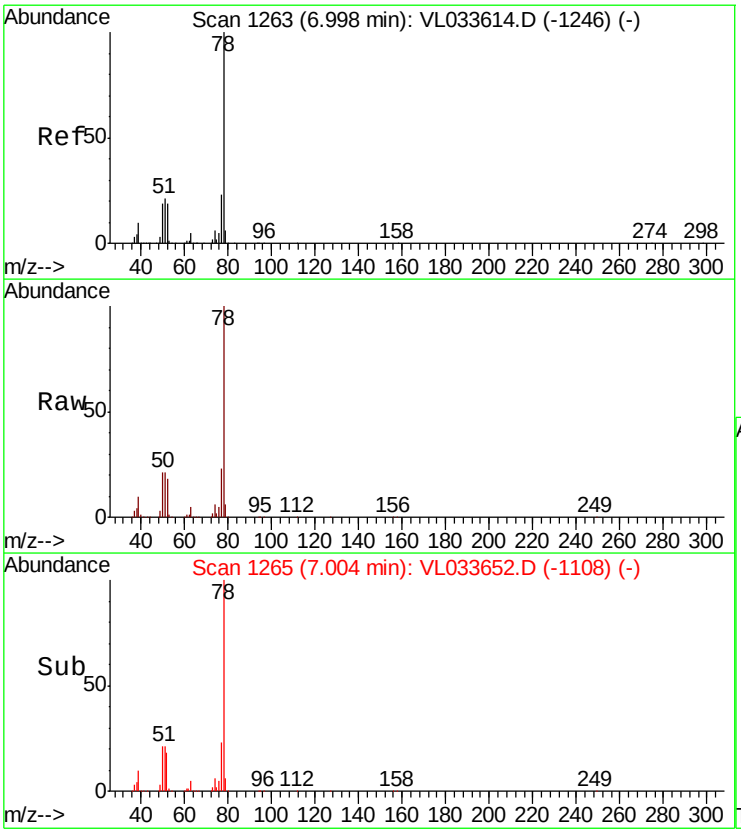
#35
Carbon Tetrachloride
Concen: 10.374 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1896959

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.4
121	31.4	24.9	37.3

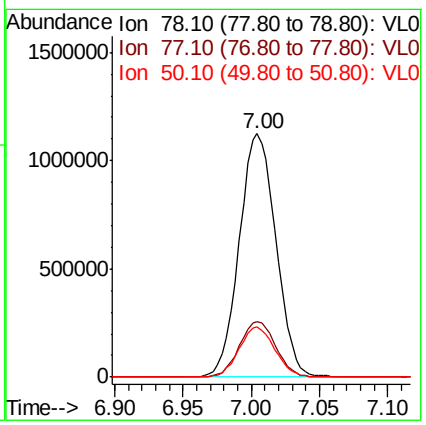


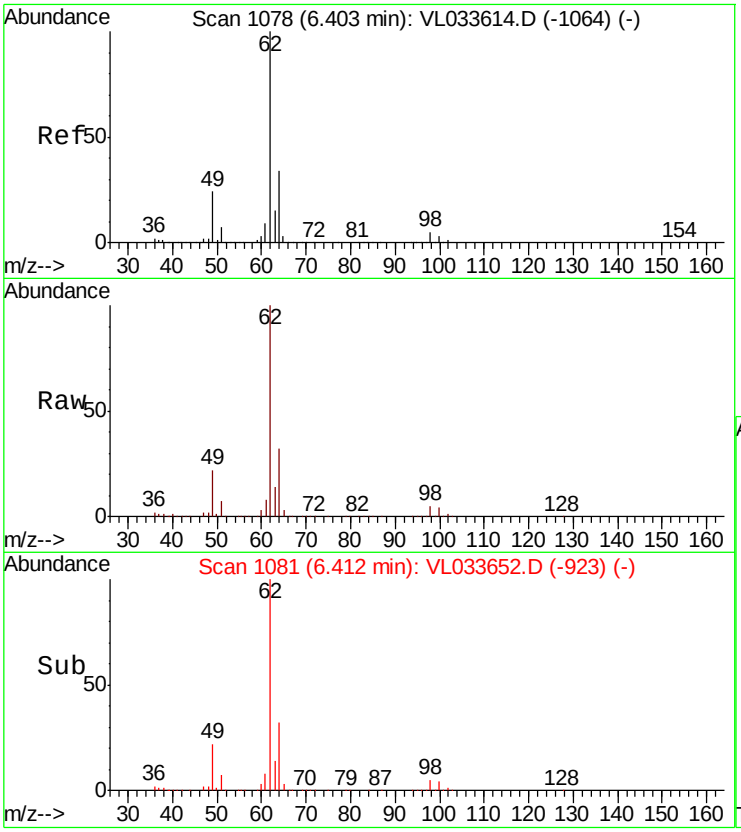


#36
Benzene
Concen: 10.670 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 78 Resp: 2098456

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.1	27.1
50	20.6	15.1	22.7



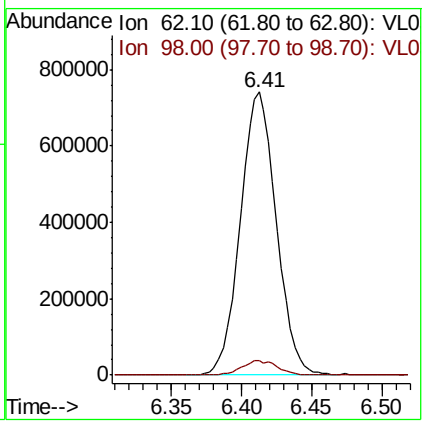


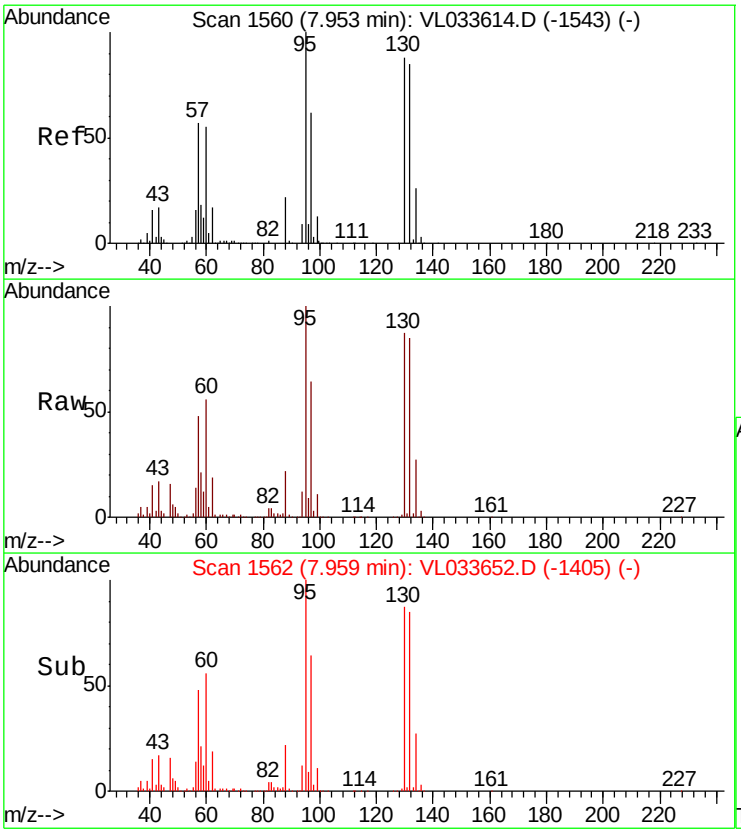
#37
1,2-Dichloroethane
Concen: 10.118 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1322238

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.4	6.6

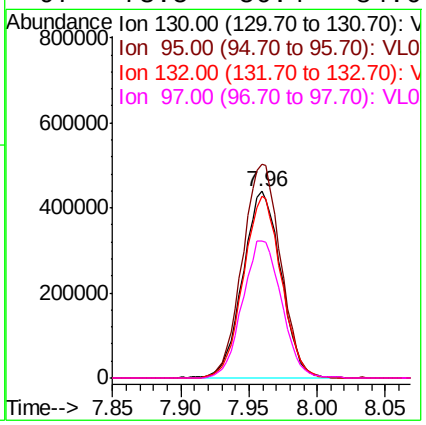


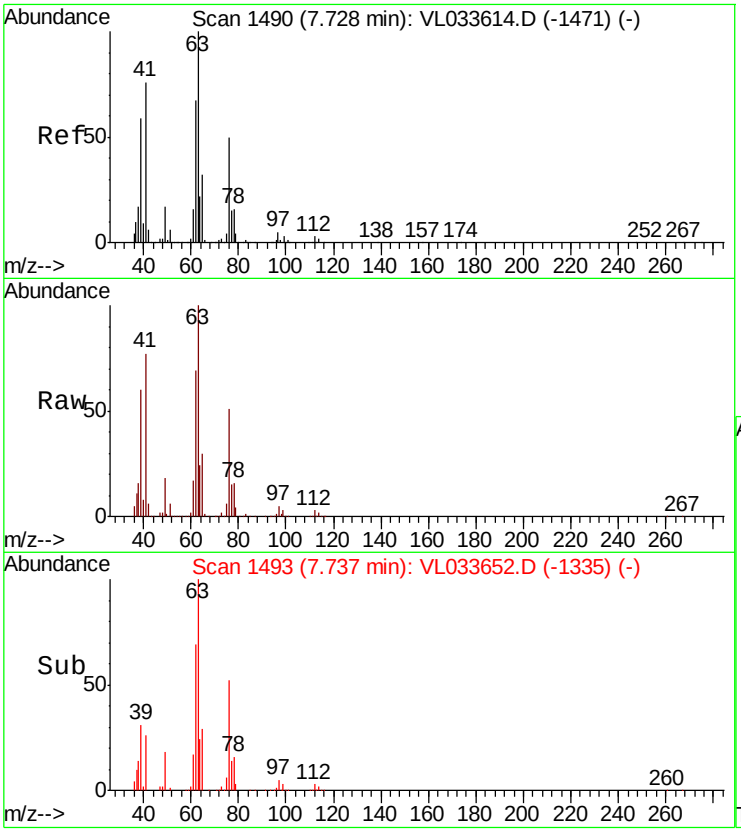


#38
Trichloroethene
Concen: 10.861 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:130 Resp: 851877

Ion	Ratio	Lower	Upper
130	100		
95	114.2	91.2	136.8
132	96.9	77.8	116.8
97	73.5	56.4	84.6



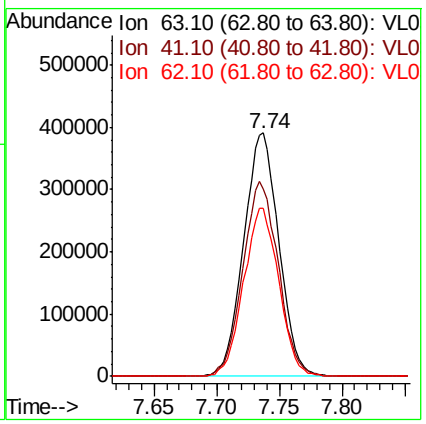


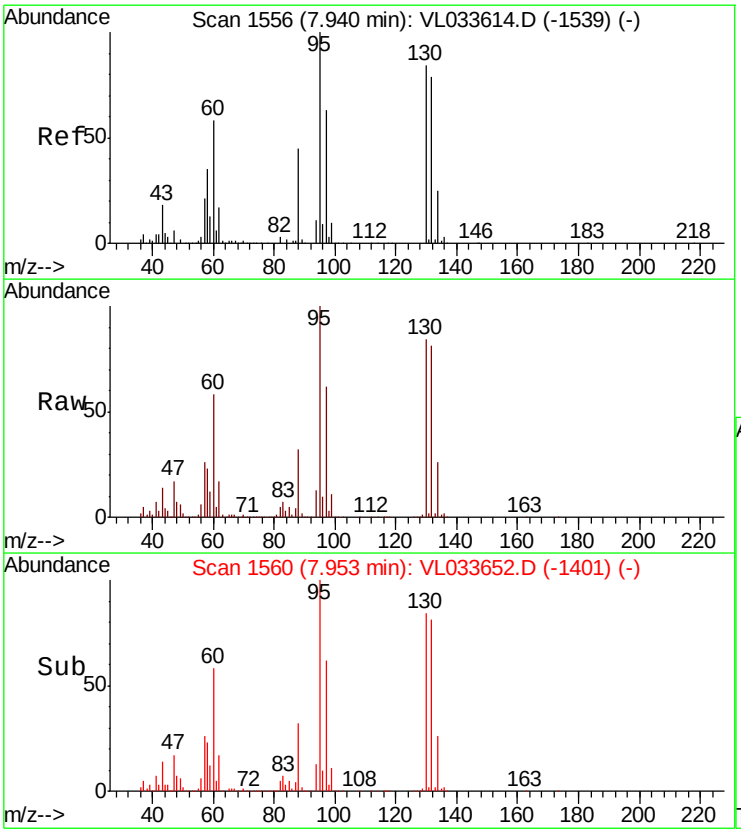
#39
1,2-Dichloropropane
Concen: 10.294 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 763435

Ion	Ratio	Lower	Upper
63	100		
41	77.1	60.9	91.3
62	69.0	53.3	79.9

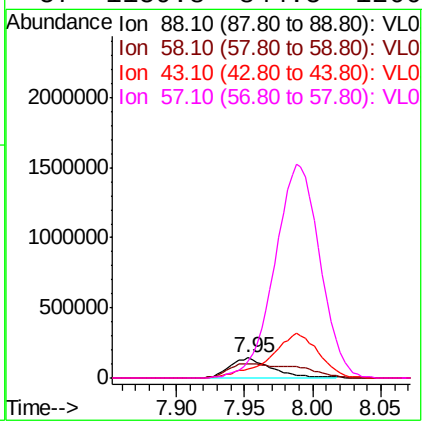


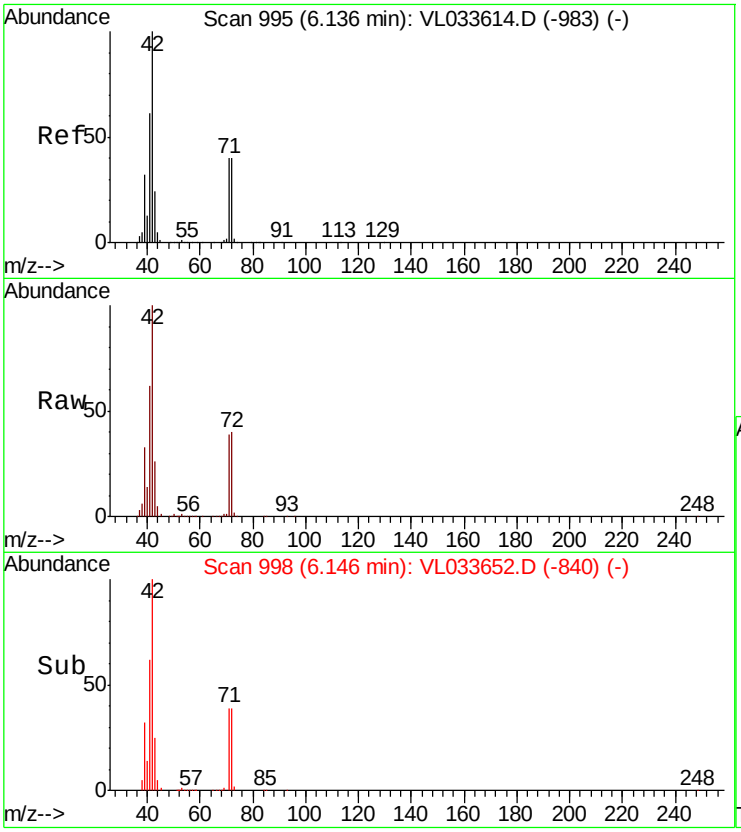


#40
1,4-Dioxane
Concen: 10.119 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 88 Resp: 304932

Ion	Ratio	Lower	Upper
88	100		
58	129.0	98.4	147.6
43	259.4	190.7	286.1
57	1159.8	844.5	1266.7



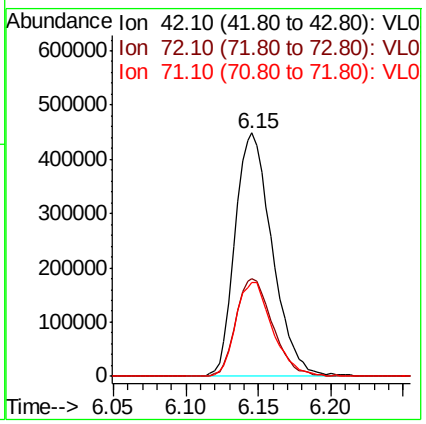


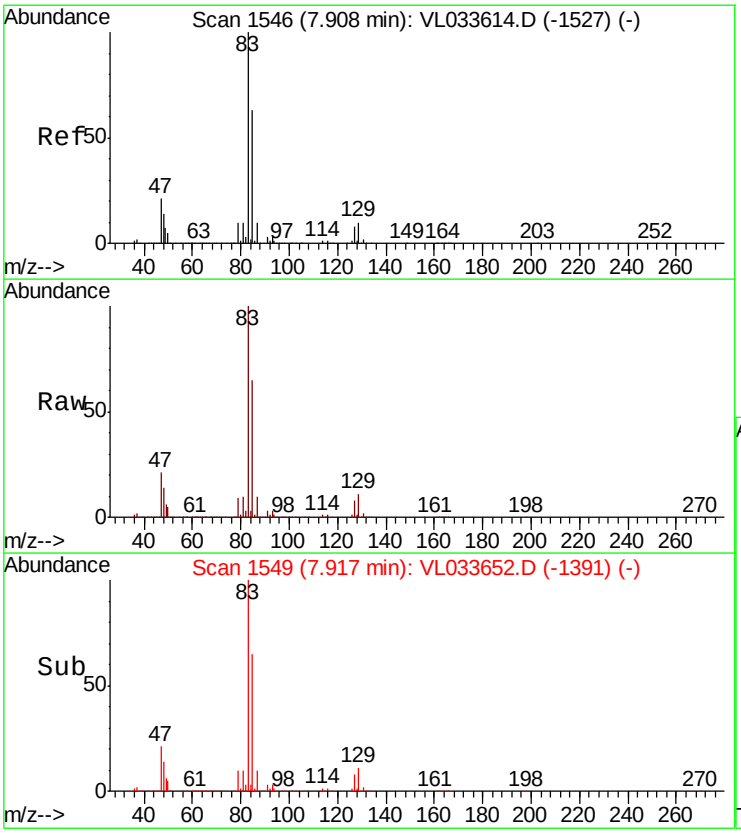
#41
Tetrahydrofuran
Concen: 10.557 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 798912

Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.8	47.6
71	38.4	31.0	46.4

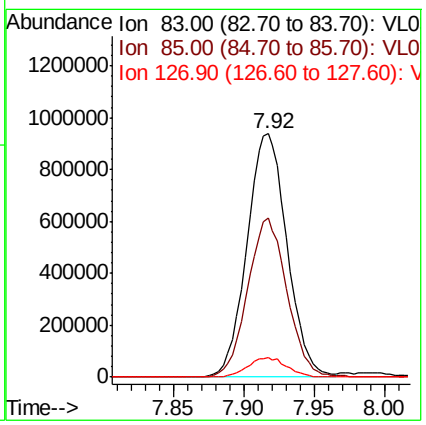


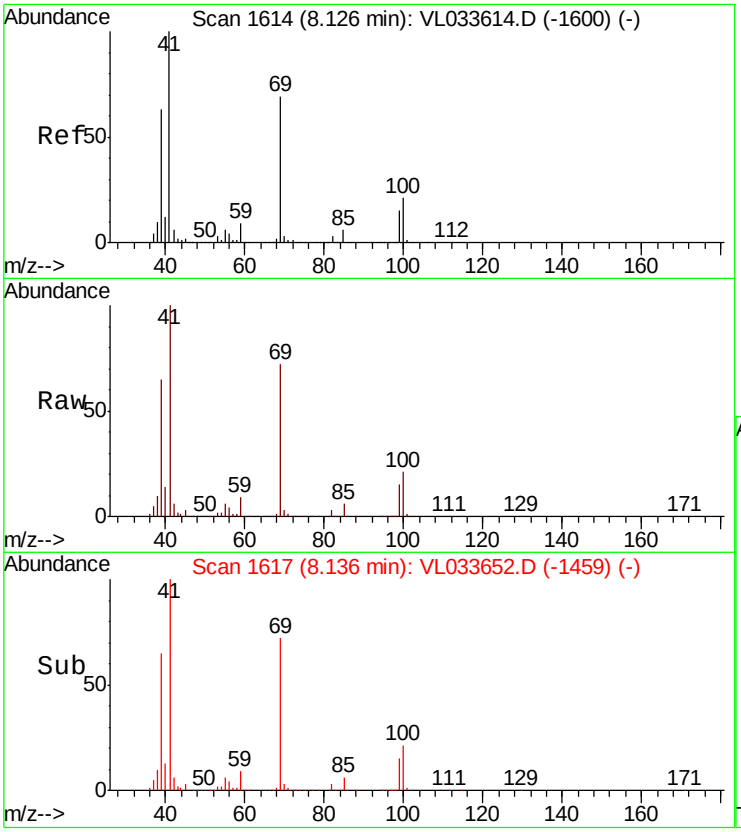


#42
Bromodichloromethane
Concen: 10.537 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 83 Resp: 1863509

Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	7.9	6.5	9.7



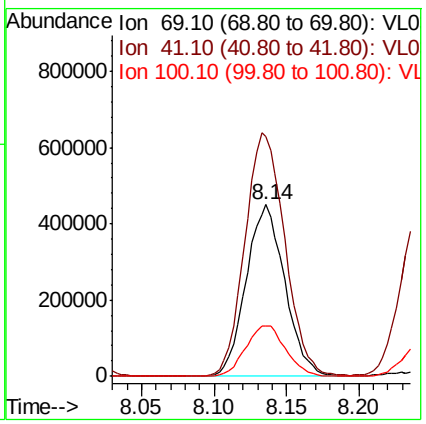


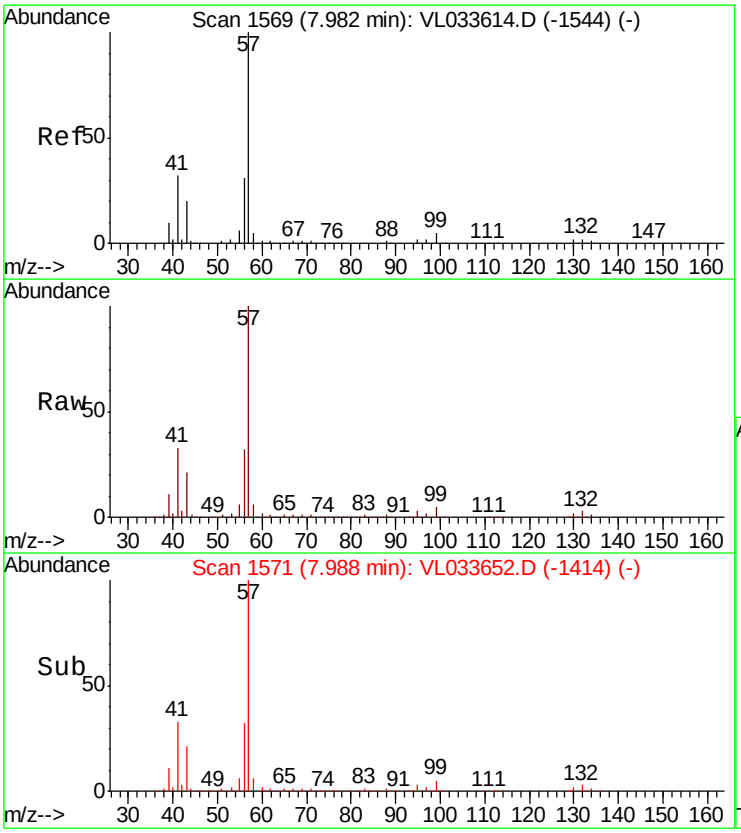
#43
Methyl Methacrylate
Concen: 11.227 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 836136

Ion	Ratio	Lower	Upper
69	100		
41	146.6	115.0	172.4
100	30.6	24.7	37.1

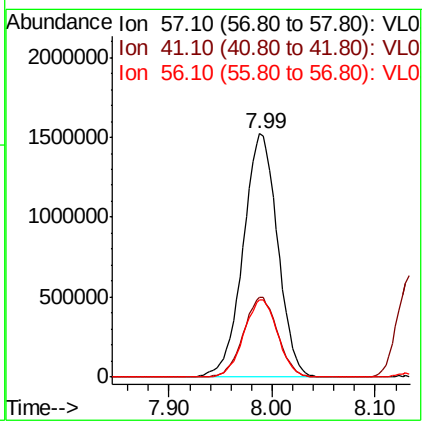


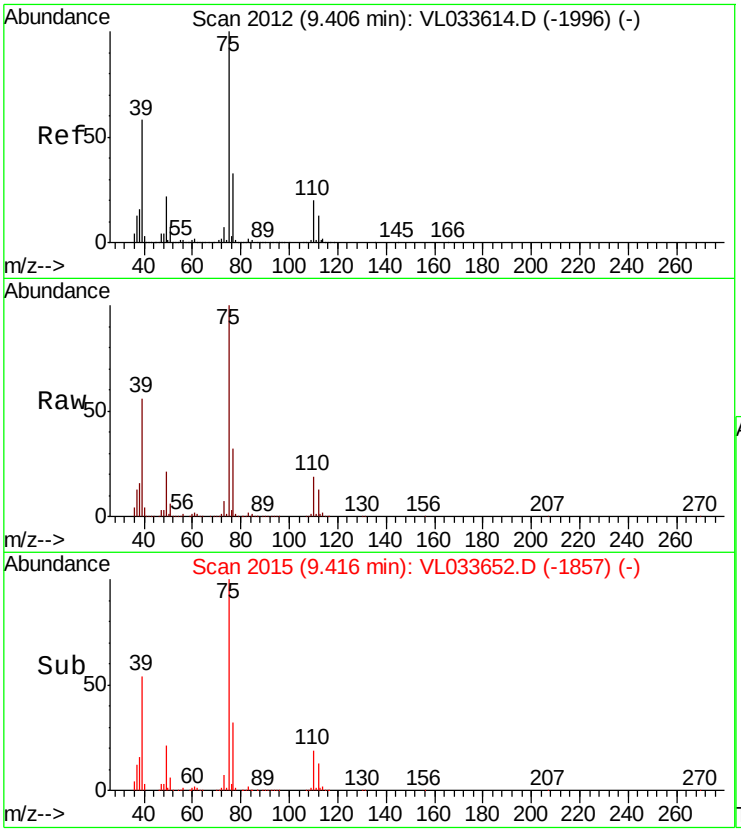


#44
2,2,4-Trimethylpentane
Concen: 10.303 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 57 Resp: 3531335

Ion	Ratio	Lower	Upper
57	100		
41	32.4	25.4	38.2
56	31.2	24.6	37.0



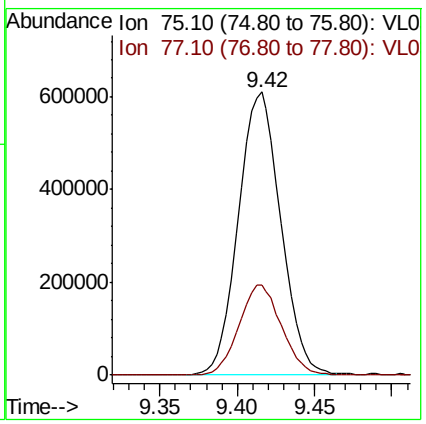


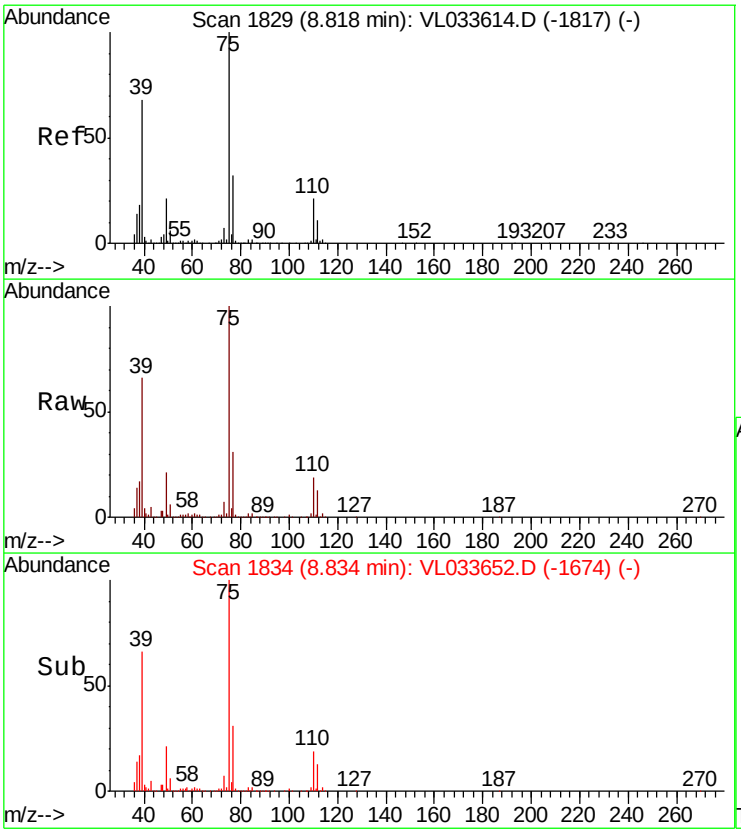
#45
t-1,3-Dichloropropene
Concen: 11.781 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1165341

Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.0	39.0

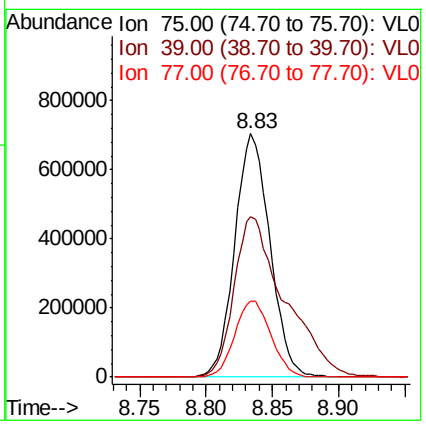


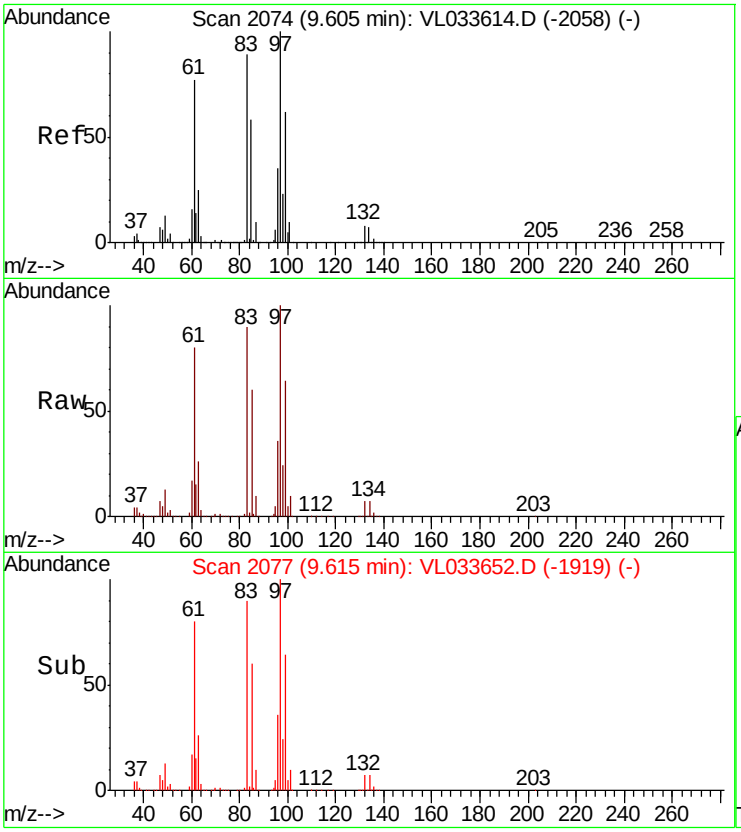


#46
cis-1,3-Dichloropropene
Concen: 11.654 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 75 Resp: 1300266

Ion	Ratio	Lower	Upper
75	100		
39	65.7	54.6	82.0
77	31.1	25.7	38.5



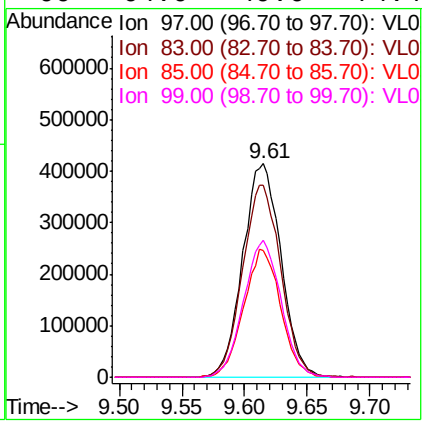


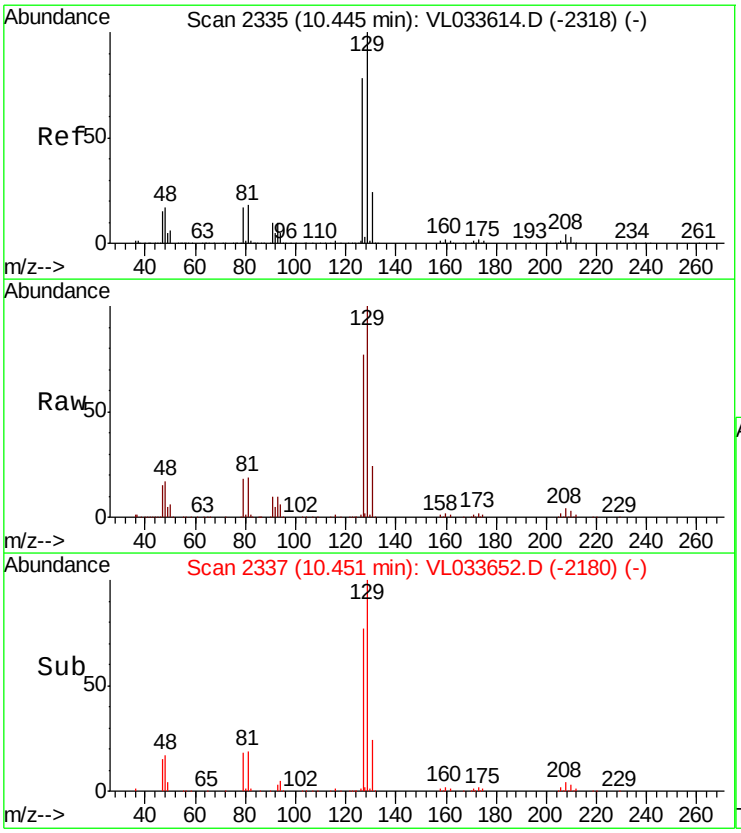
#47
1,1,2-Trichloroethane
Concen: 9.083 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 878589

Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.4	107.0
85	59.5	46.0	69.0
99	64.0	49.6	74.4

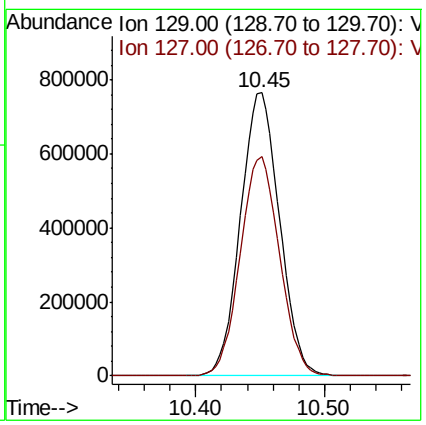


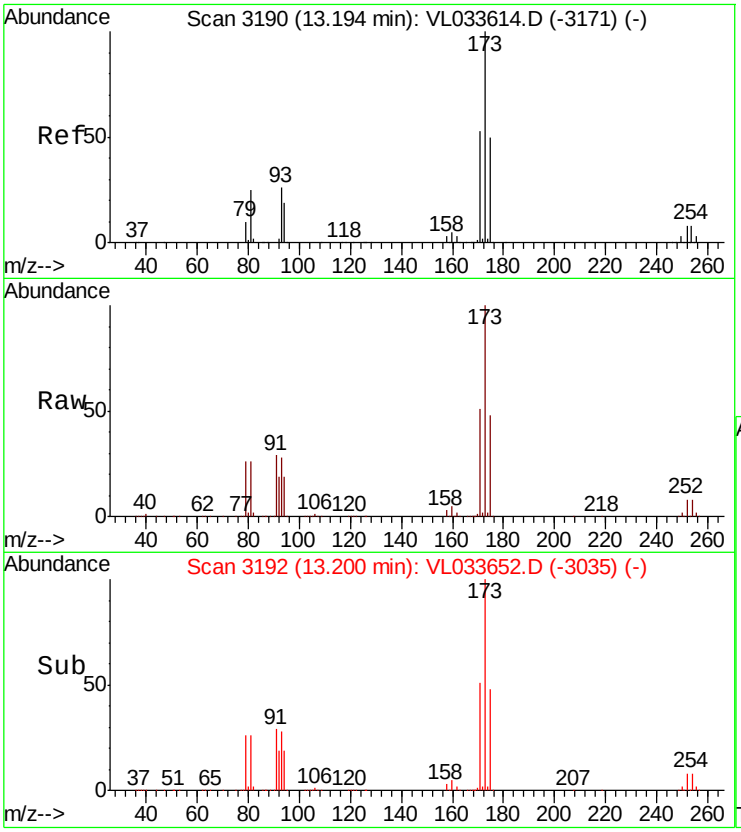


#48
Dibromochloromethane
Concen: 9.860 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:129 Resp: 1613026

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.2	117.6



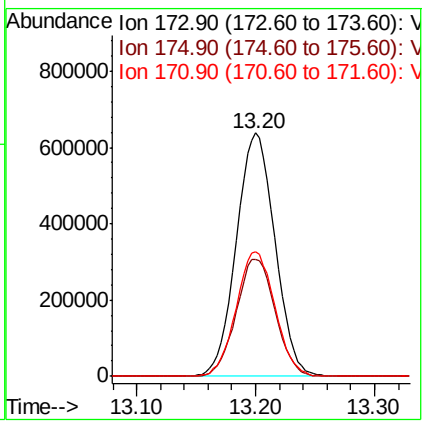


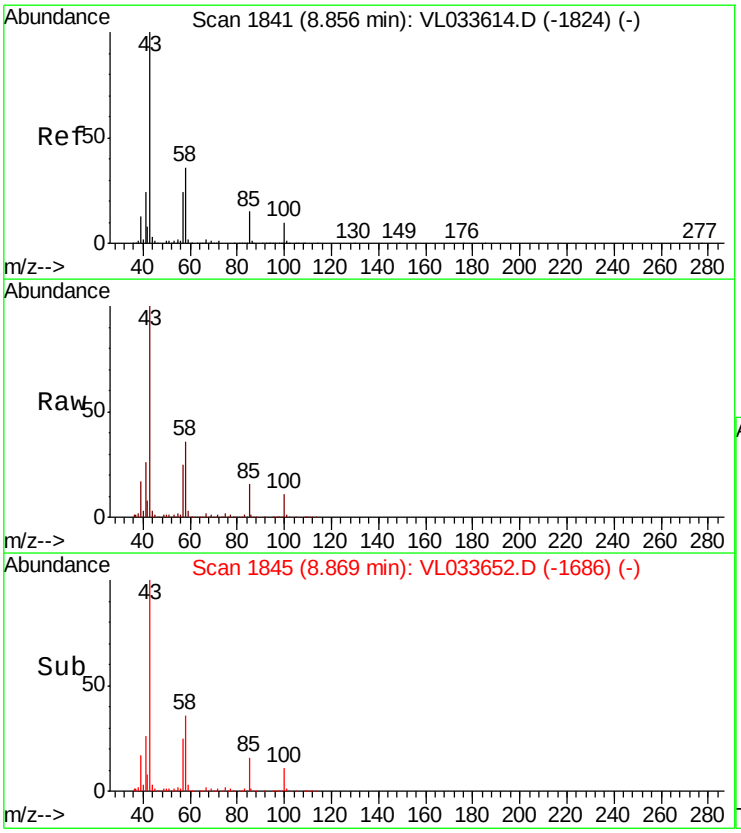
#49
Bromoform
Concen: 11.413 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1430345

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.6
171	51.5	41.6	62.4

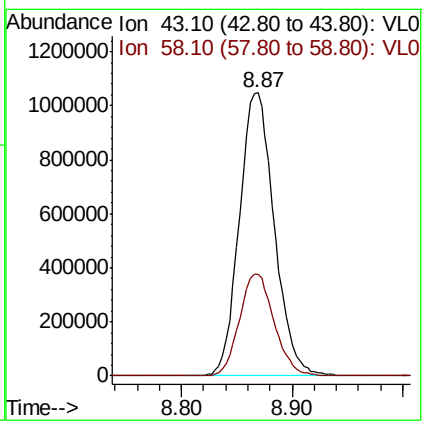


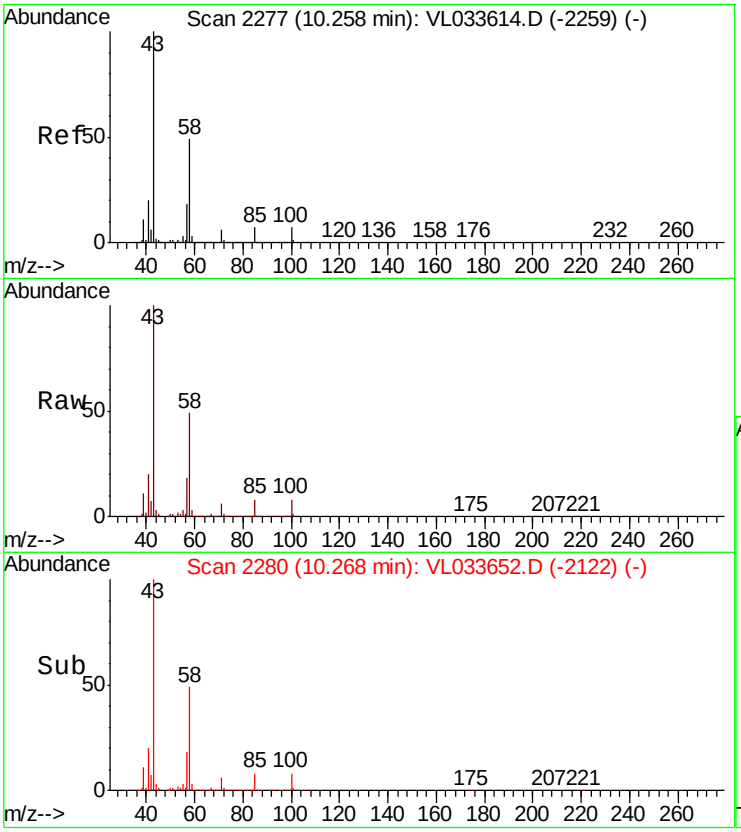


#50
4-Methyl-2-Pentanone
Concen: 10.369 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 43 Resp: 2302231

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8



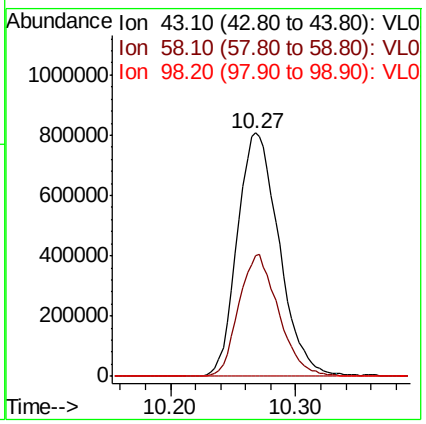


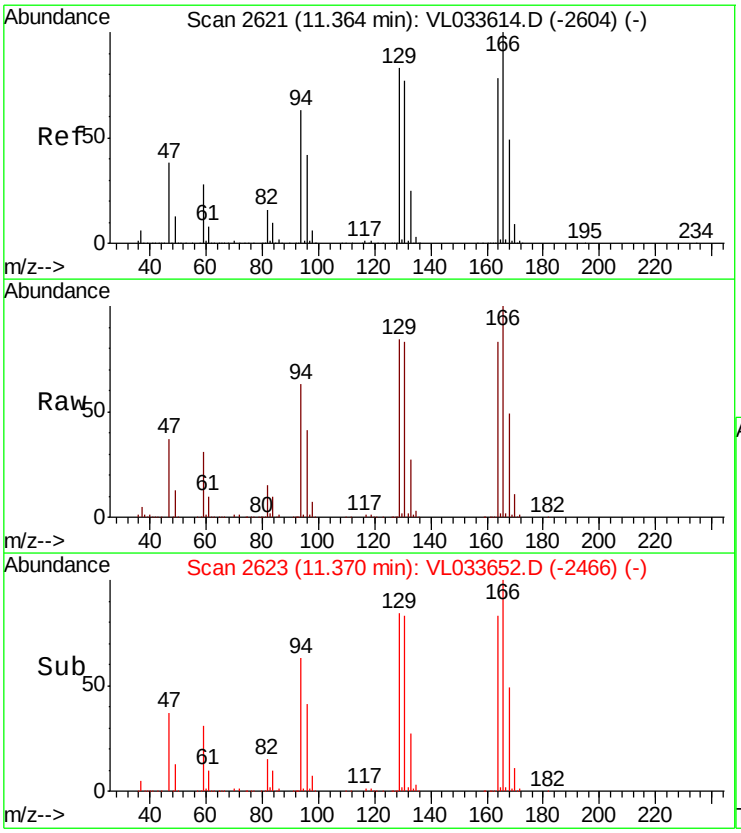
#51
2-Hexanone
Concen: 9.582 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1867880

Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.5	57.7
98	0.4	0.3	0.5

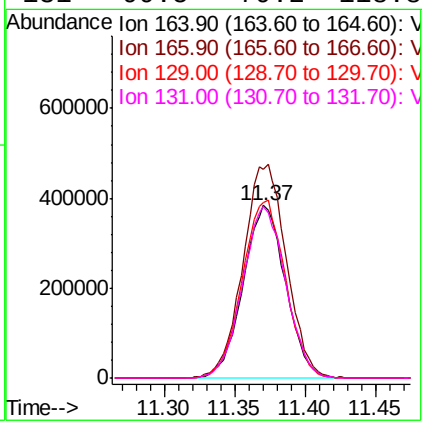


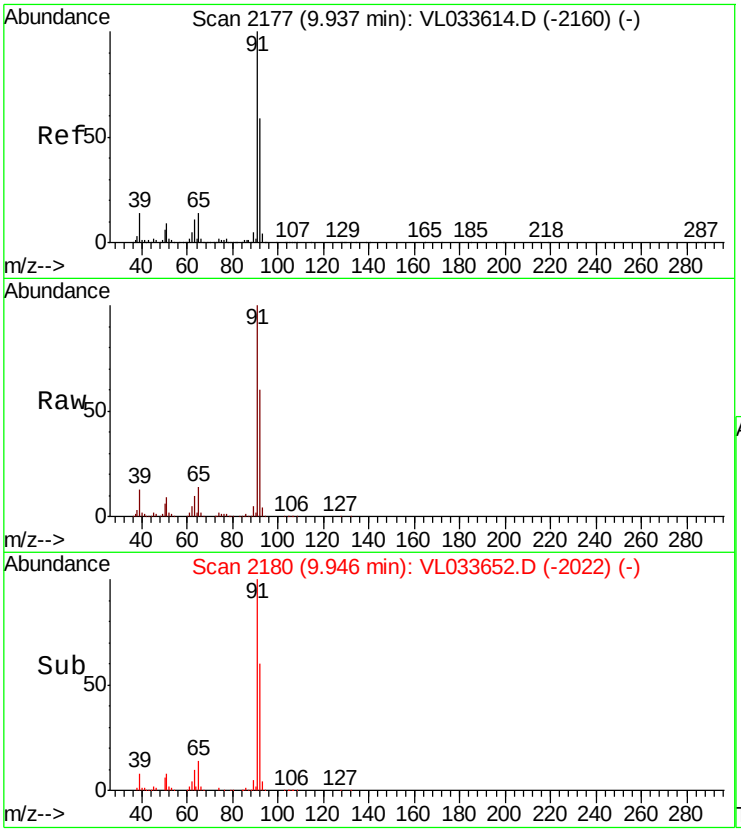


#52
Tetrachloroethene
Concen: 10.639 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:164 Resp: 804474

Ion	Ratio	Lower	Upper
164	100		
166	120.6	102.2	153.4
129	101.8	84.4	126.6
131	99.5	79.2	118.8



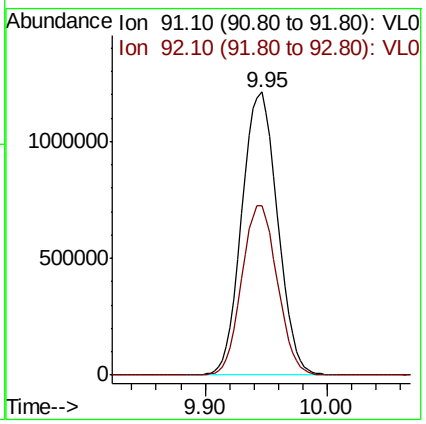


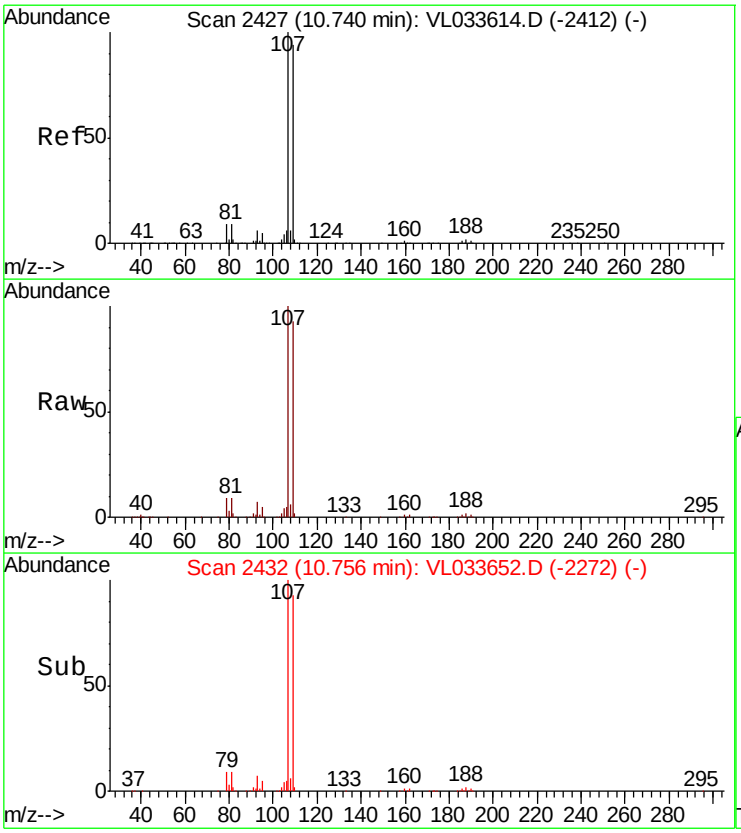
#53
Toluene
Concen: 9.872 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2450270

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6

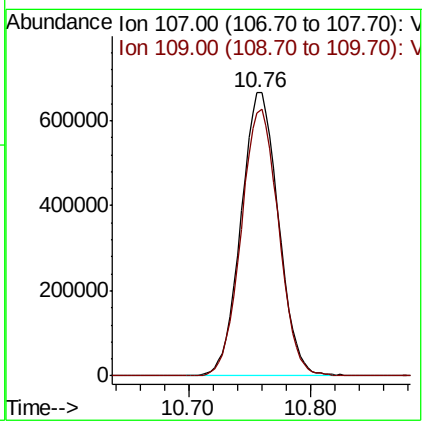


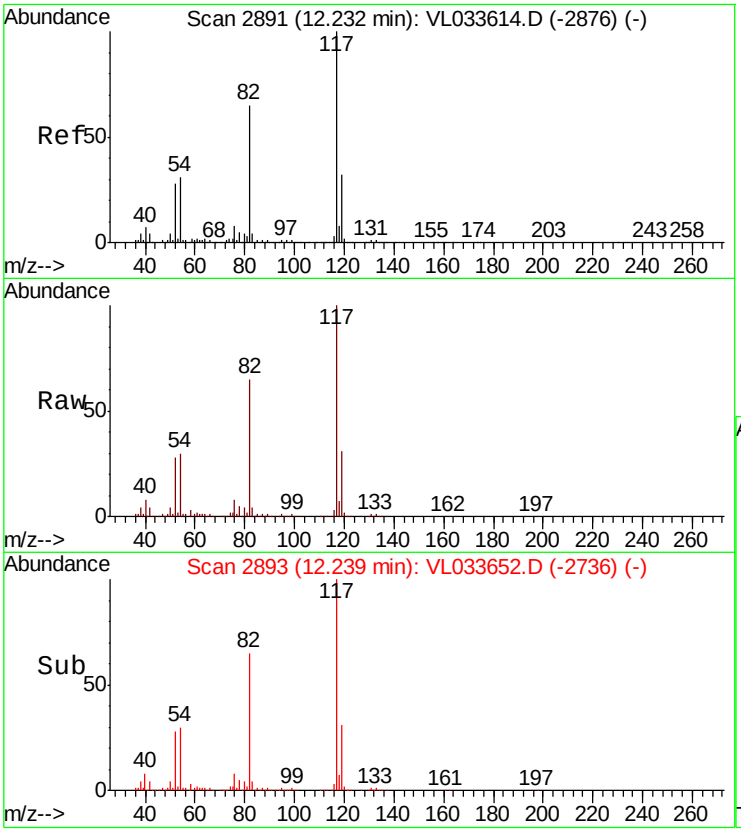


#54
1,2-Dibromoethane
Concen: 10.592 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. 0.02 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:107 Resp: 1409210

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.1	112.7



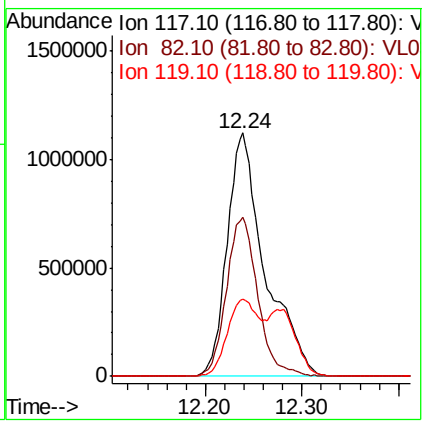


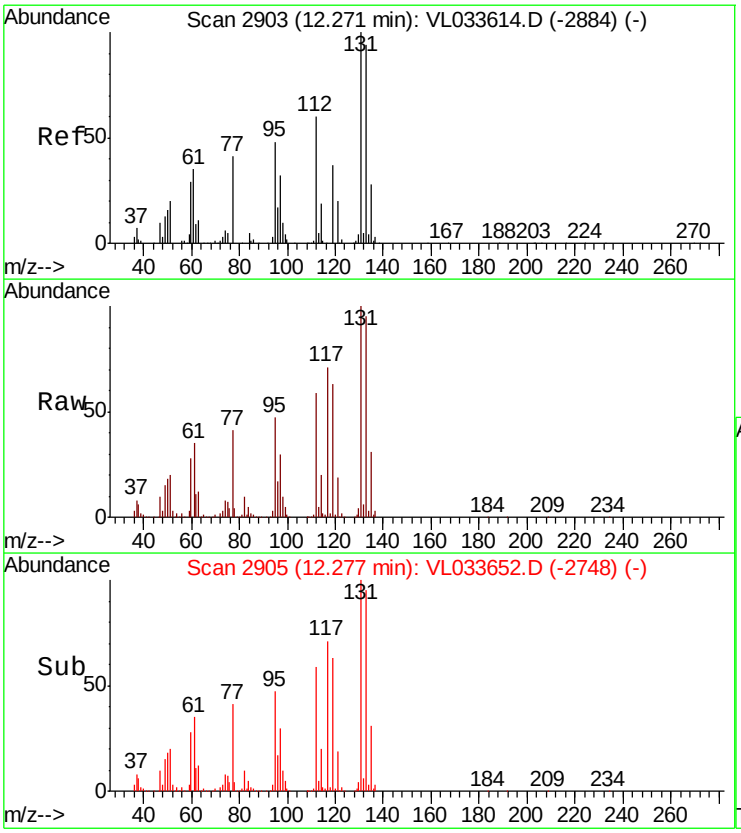
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 3055908

Ion	Ratio	Lower	Upper
117	100		
82	53.9	52.6	78.8
119	25.4	28.3	42.5#

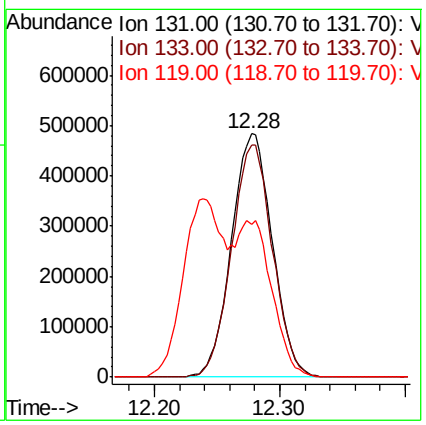


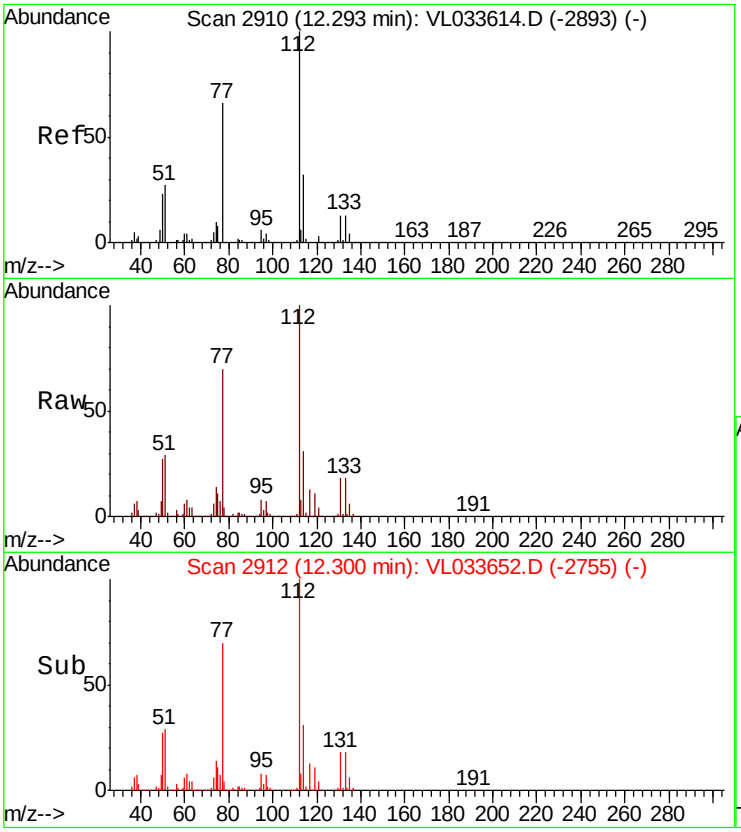


#56
1,1,1,2-Tetrachloroethane
Concen: 8.313 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:131 Resp: 1094206

Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.4	114.6
119	60.6	40.9	61.3



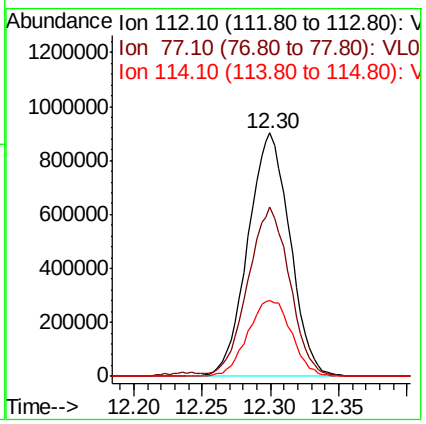


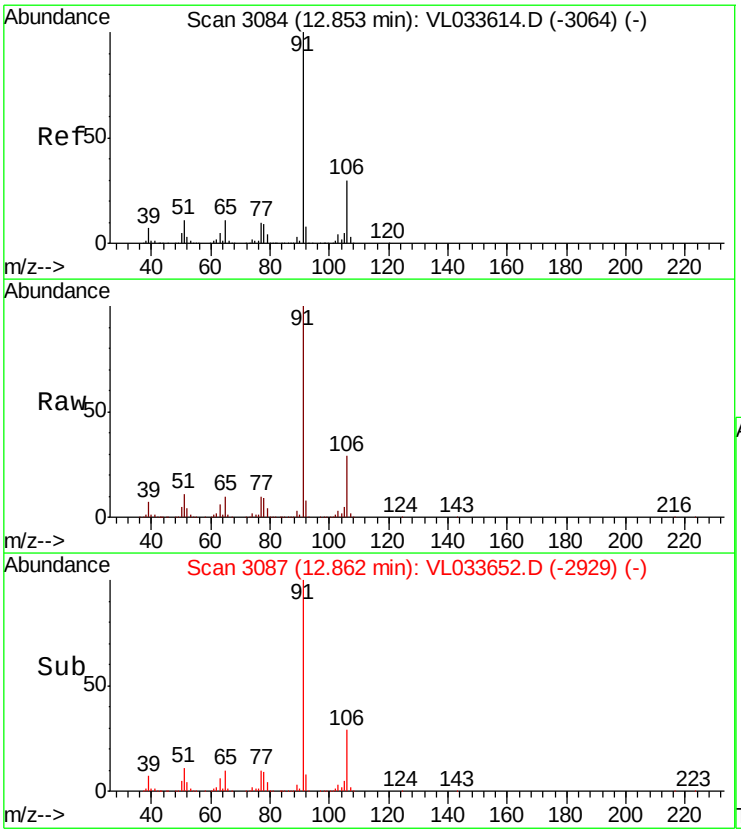
#57
Chlorobenzene
Concen: 8.199 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 1922908

Ion	Ratio	Lower	Upper
112	100		
77	69.3	53.6	80.4
114	31.4	29.1	35.5

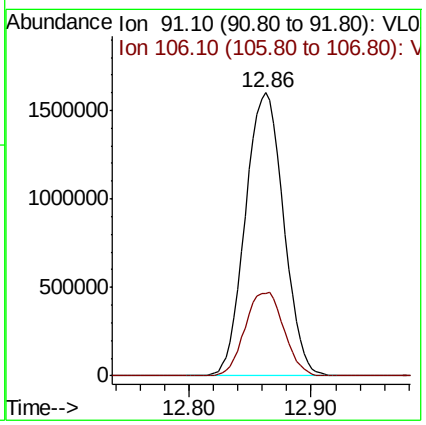


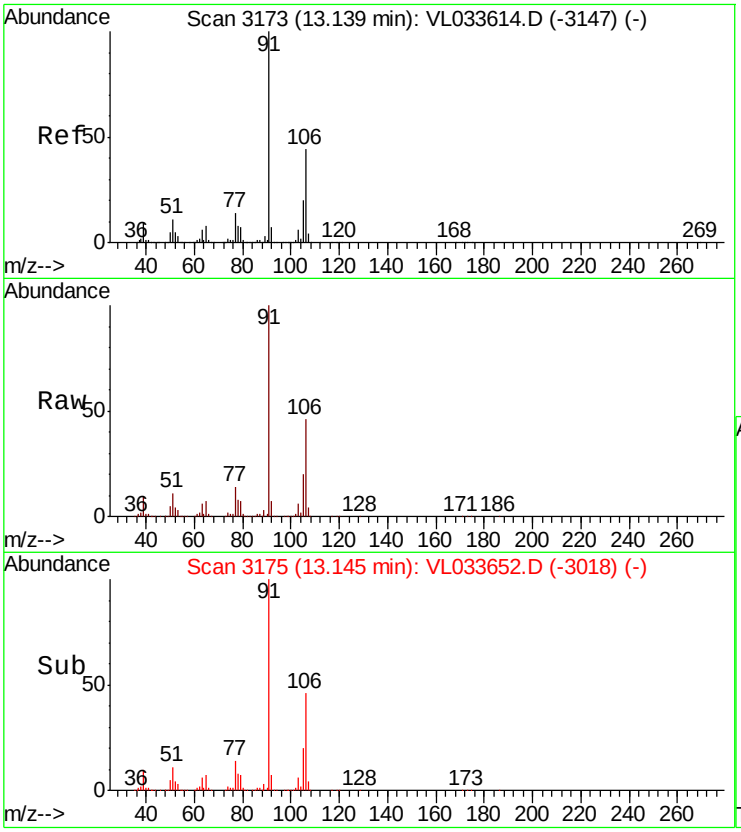


#58
Ethyl Benzene
Concen: 9.830 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 91 Resp: 3458964

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.6	35.4



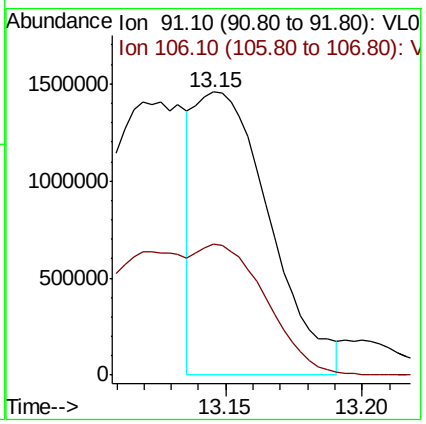


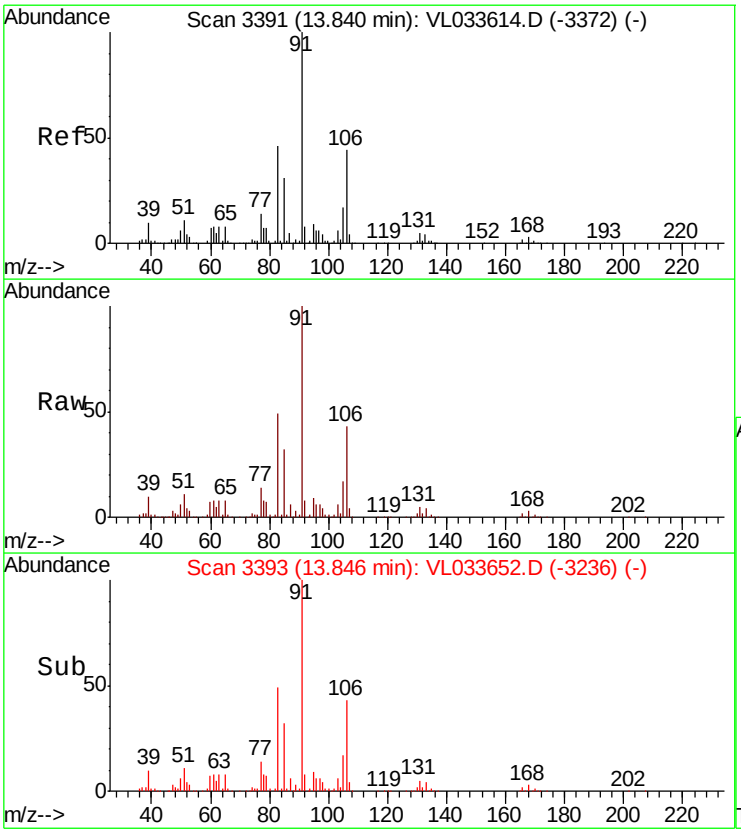
#59
m/p-Xylene
Concen: 9.149 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2769663

Ion	Ratio	Lower	Upper
91	100		
106	93.4	0.0	0.0#

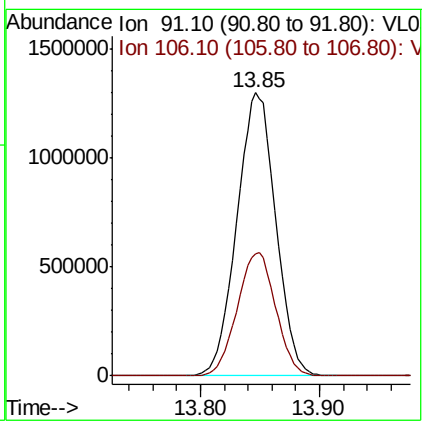


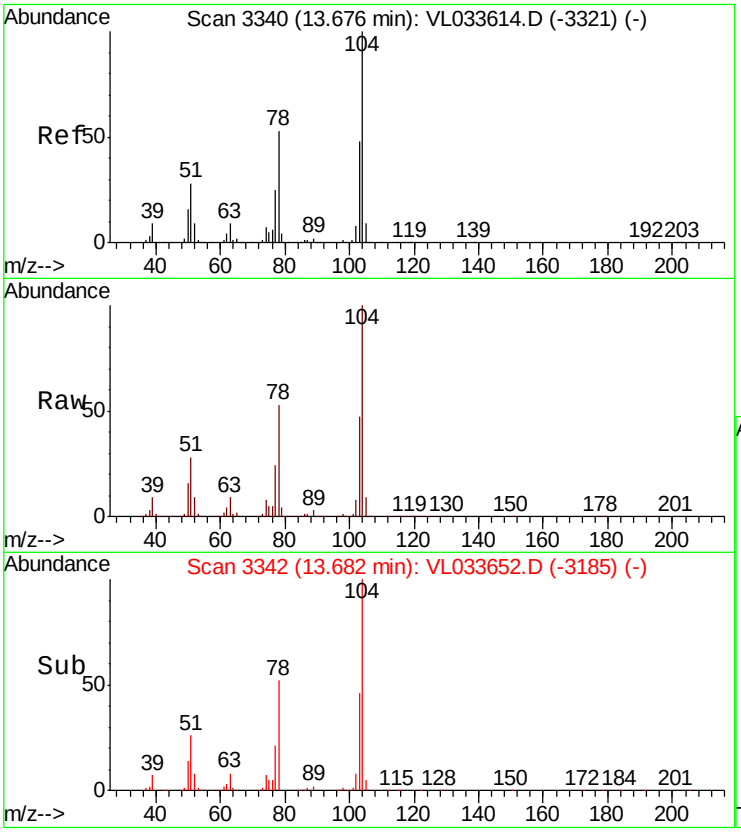


#60
o-Xylene
Concen: 9.582 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 91 Resp: 2930317

Ion	Ratio	Lower	Upper
91	100		
106	43.2	21.8	65.4



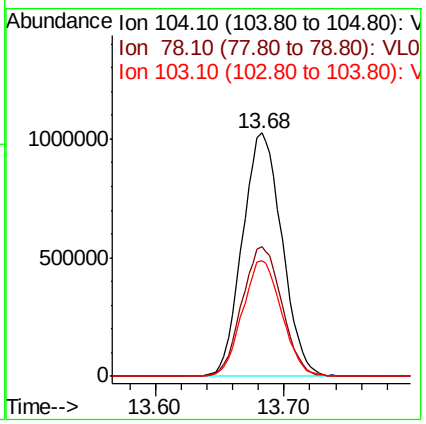


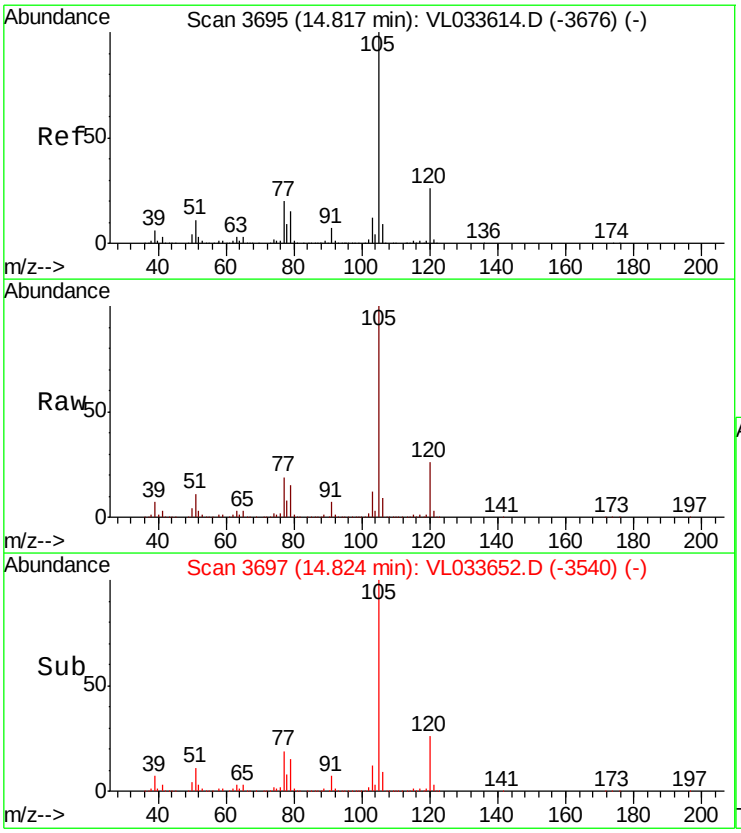
#61
Styrene
Concen: 10.475 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2189409

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.7	64.1
103	47.2	37.8	56.6

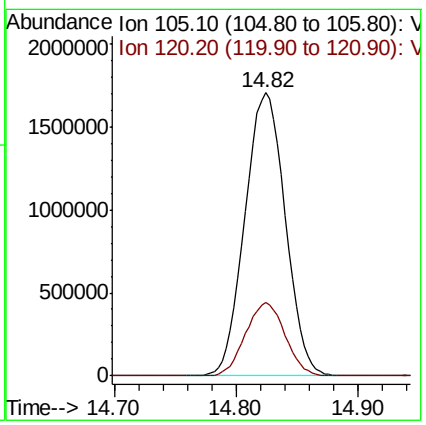


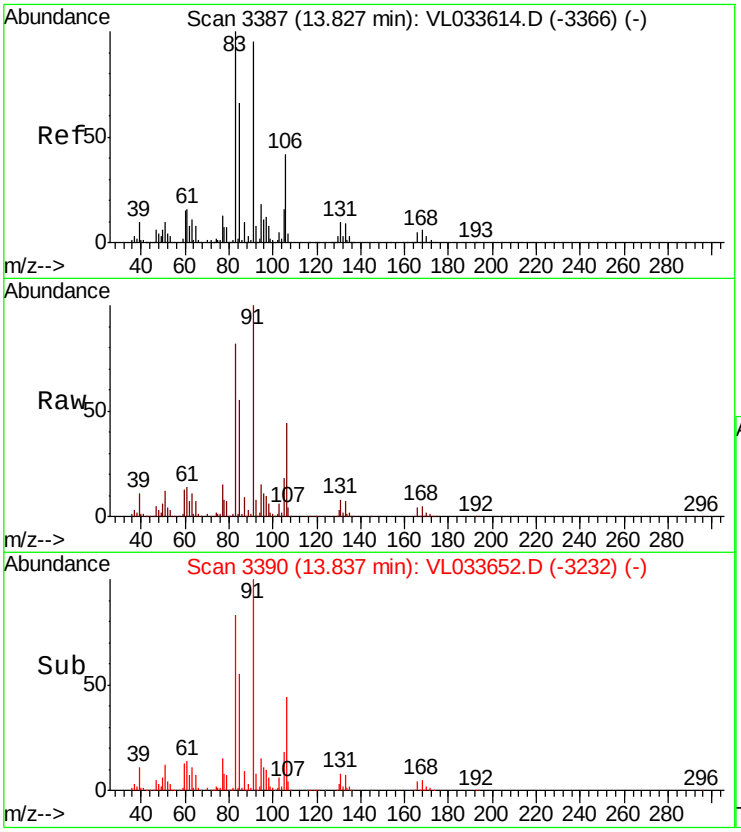


#62
Isopropylbenzene
Concen: 9.553 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:105 Resp: 3903893

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5



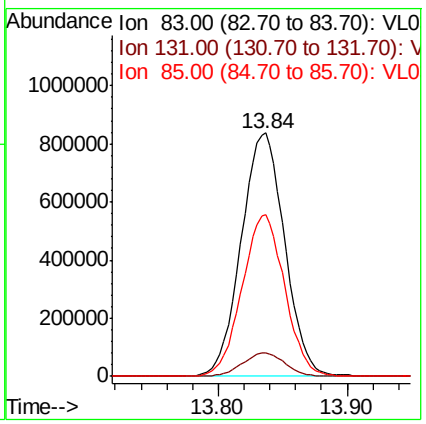


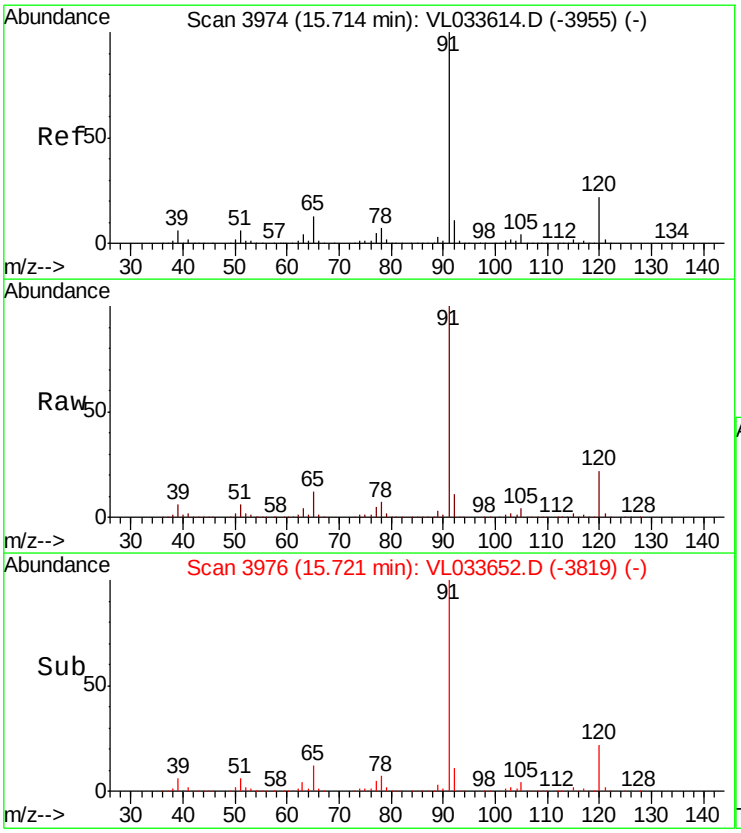
#63
1,1,2,2-Tetrachloroethane
Concen: 8.196 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1956509

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	65.4	32.3	96.8

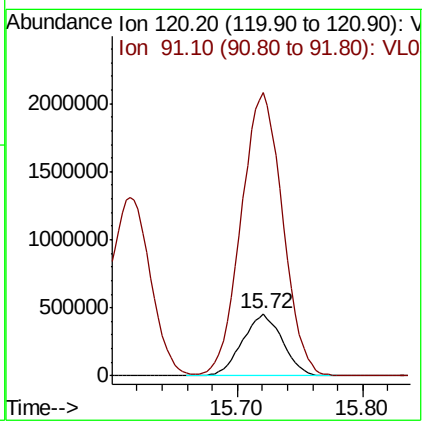


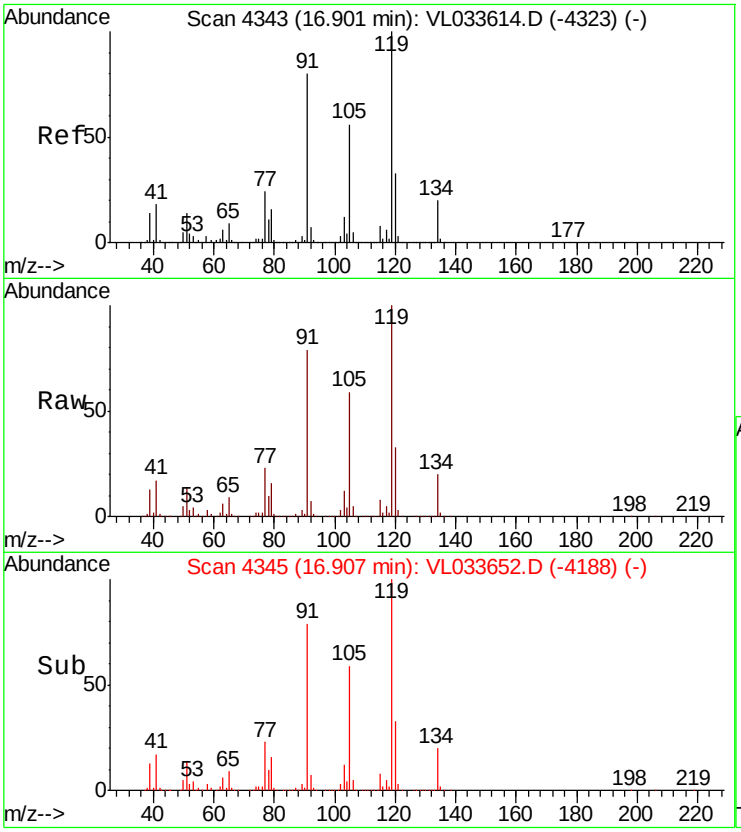


#64
n-propylbenzene
Concen: 9.494 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:120 Resp: 1006392

Ion	Ratio	Lower	Upper
120	100		
91	476.5	380.2	570.2



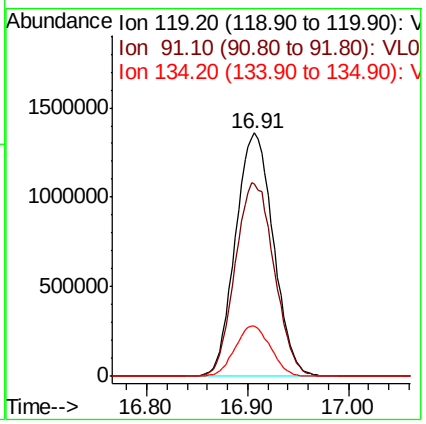


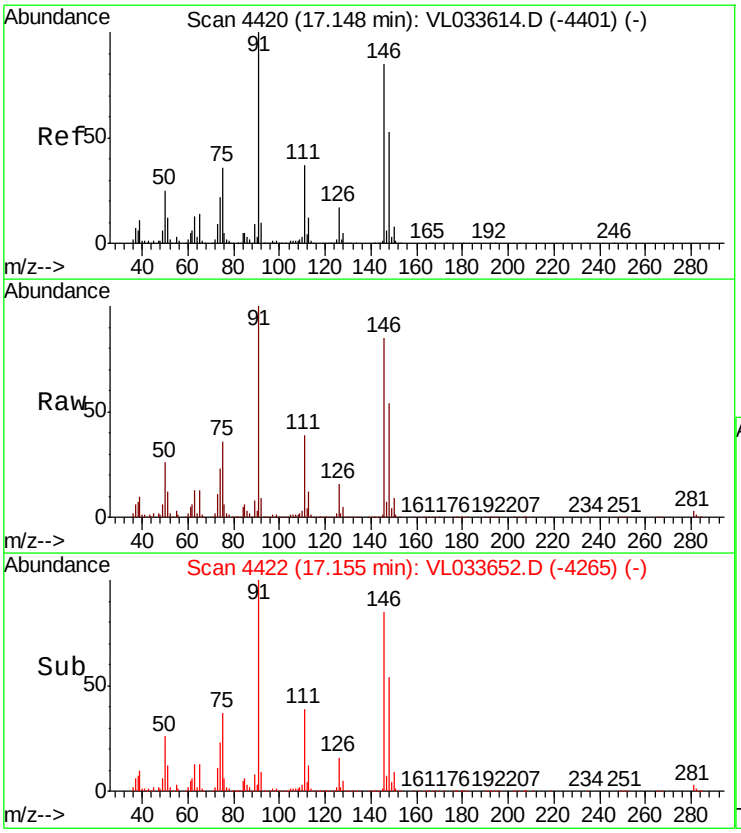
#65
tert-Butylbenzene
Concen: 9.241 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3531558

Ion	Ratio	Lower	Upper
119	100		
91	82.4	66.1	99.1
134	19.4	15.6	23.4

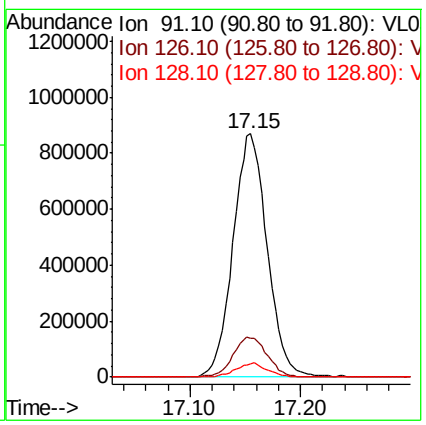


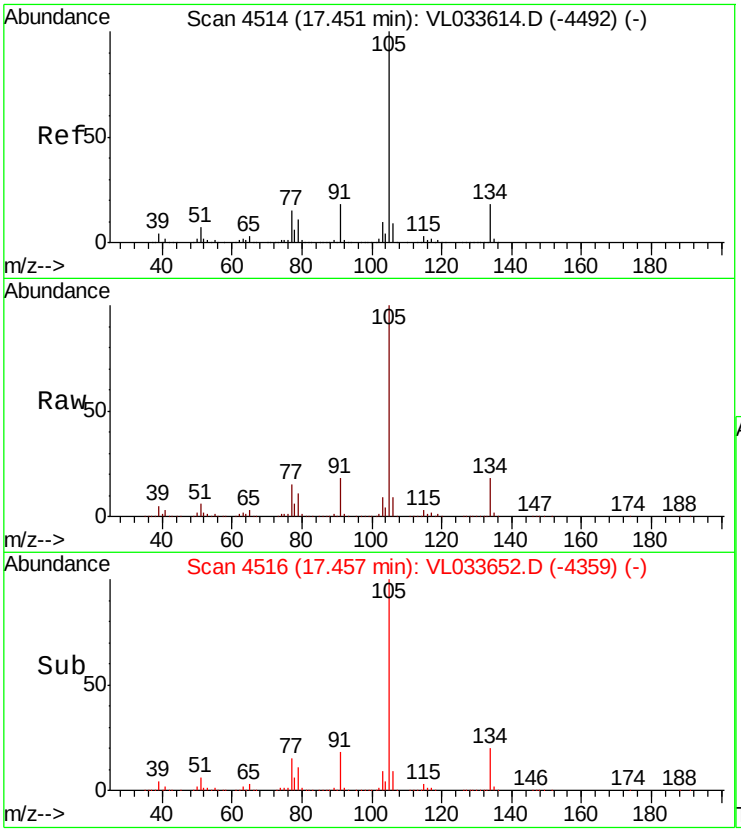


#66
Benzyl Chloride
Concen: 10.722 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 91 Resp: 1858252

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.2
128	5.4	4.3	6.5



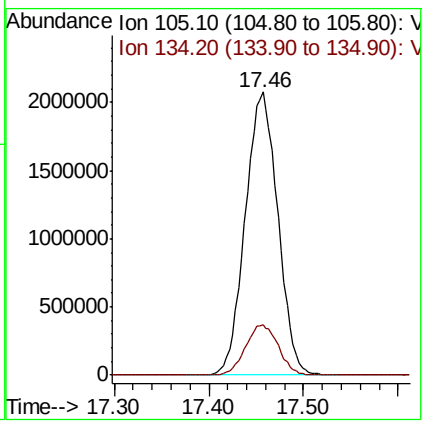


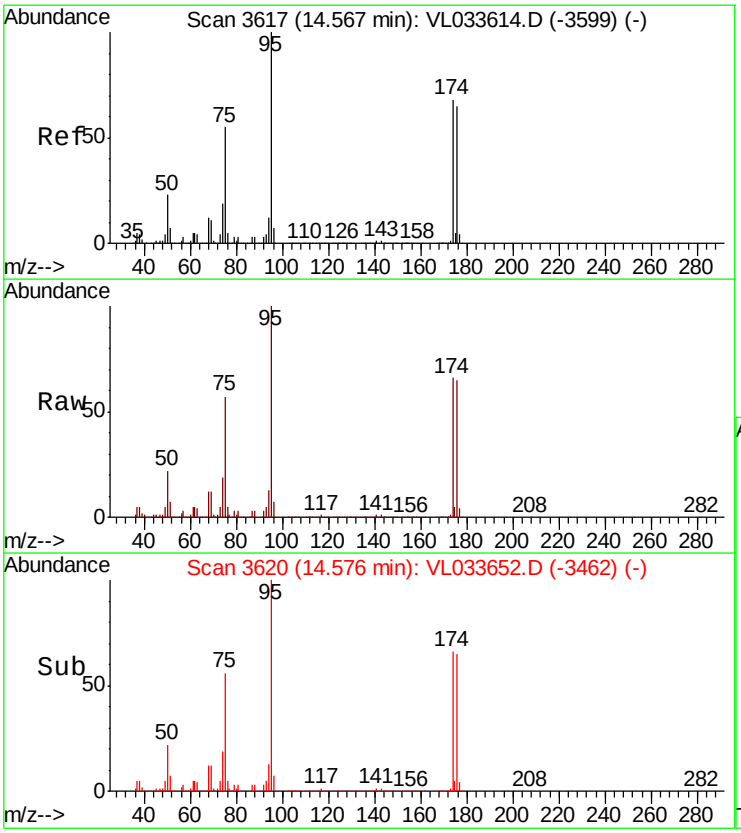
#67
sec-Butylbenzene
Concen: 9.227 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4952396

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	21.8

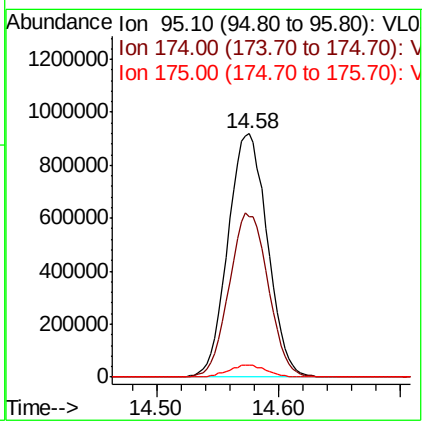


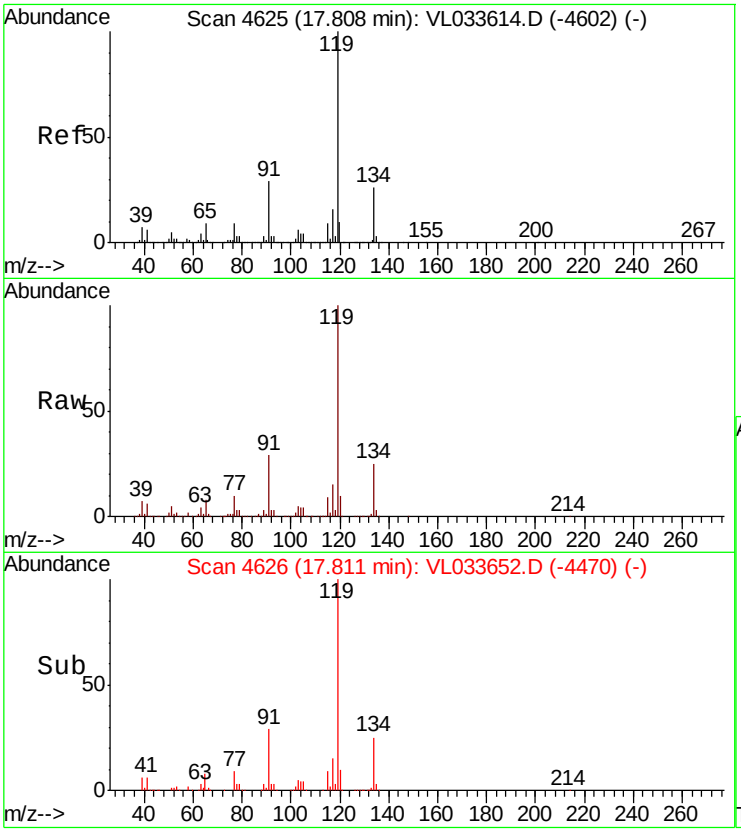


#68
1-Bromo-4-Fluorobenzene
Concen: 8.871 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 95 Resp: 2063775

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.8	4.0	6.0



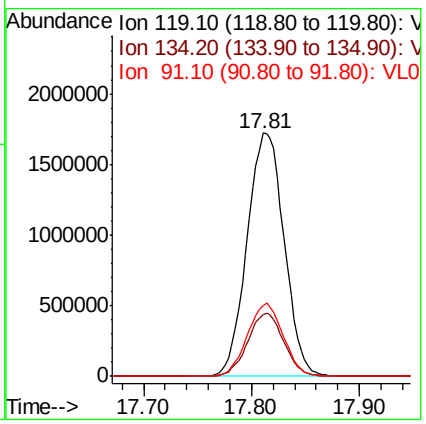


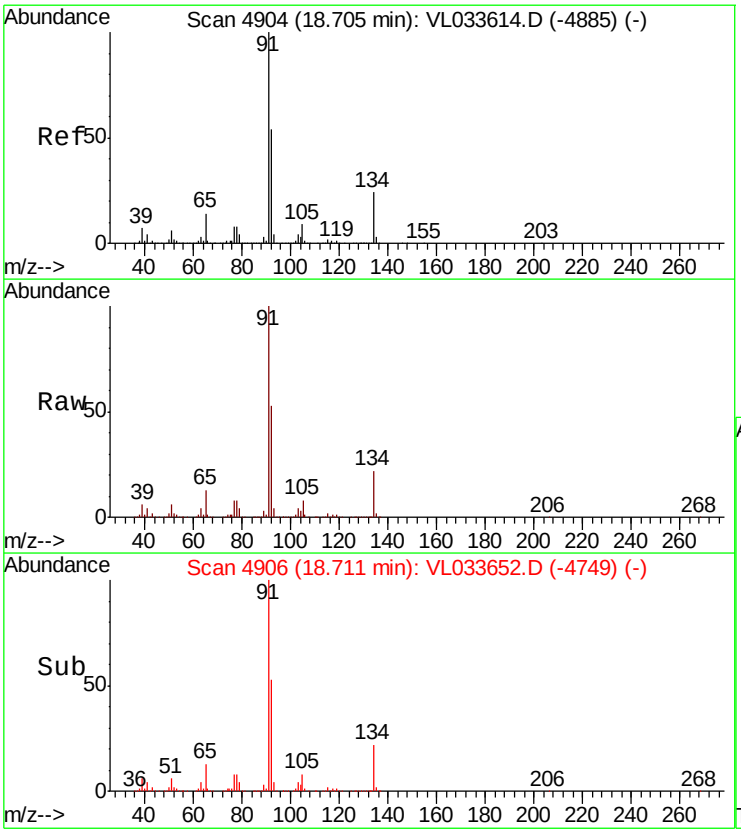
#69
p-Isopropyltoluene
Concen: 9.181 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 4099494

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.2	23.3	34.9

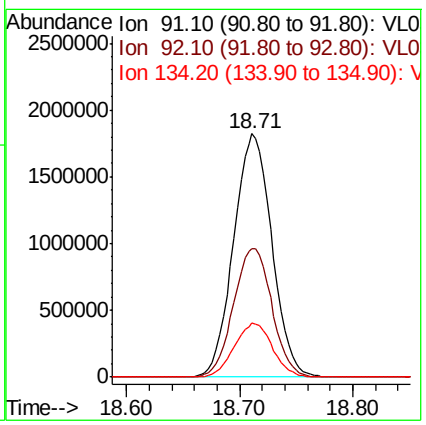


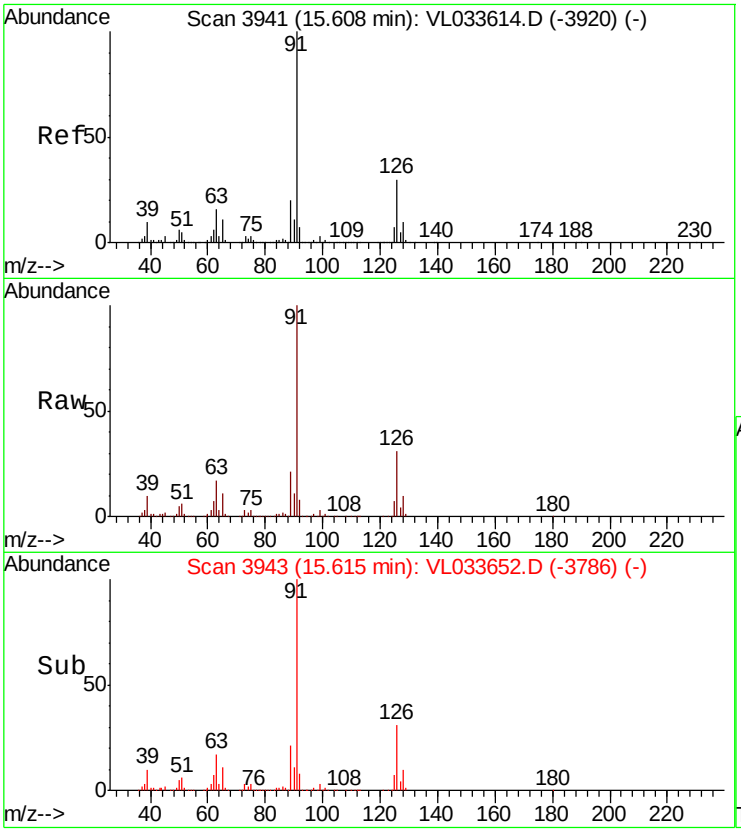


#70
n-Butylbenzene
Concen: 8.785 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion: 91 Resp: 4269144

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.6	64.0
134	22.2	18.0	27.0



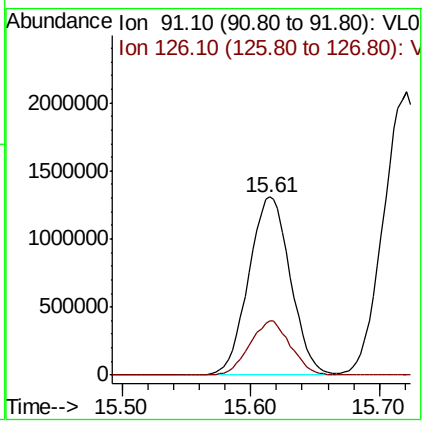


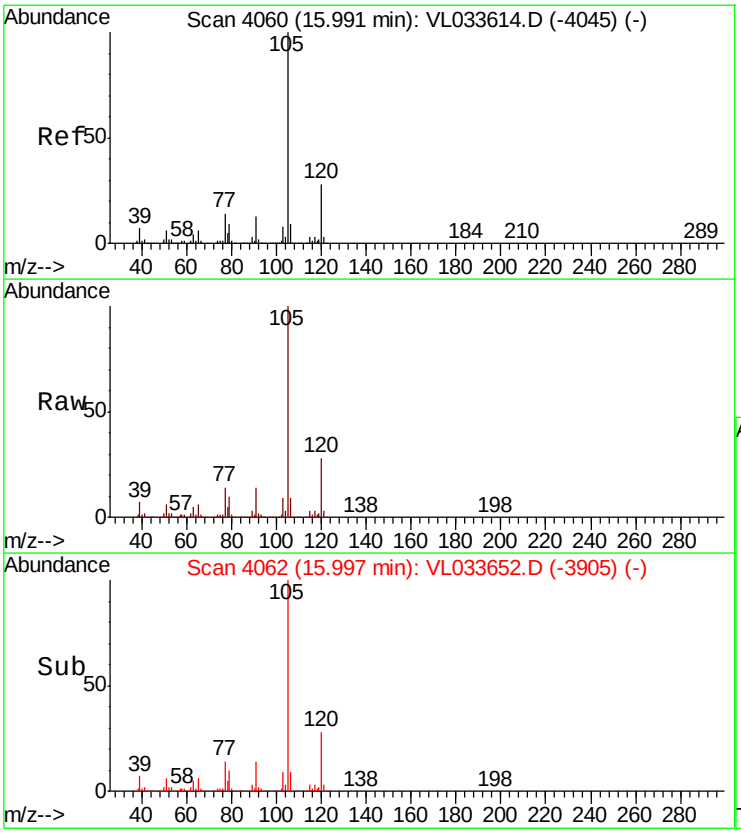
#71
2-Chlorotoluene
Concen: 9.648 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2949023

Ion	Ratio	Lower	Upper
91	100		
126	30.0	11.9	47.7

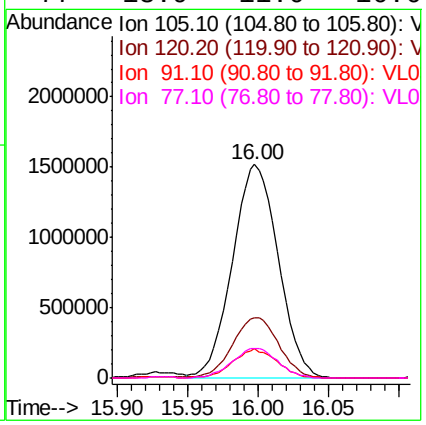


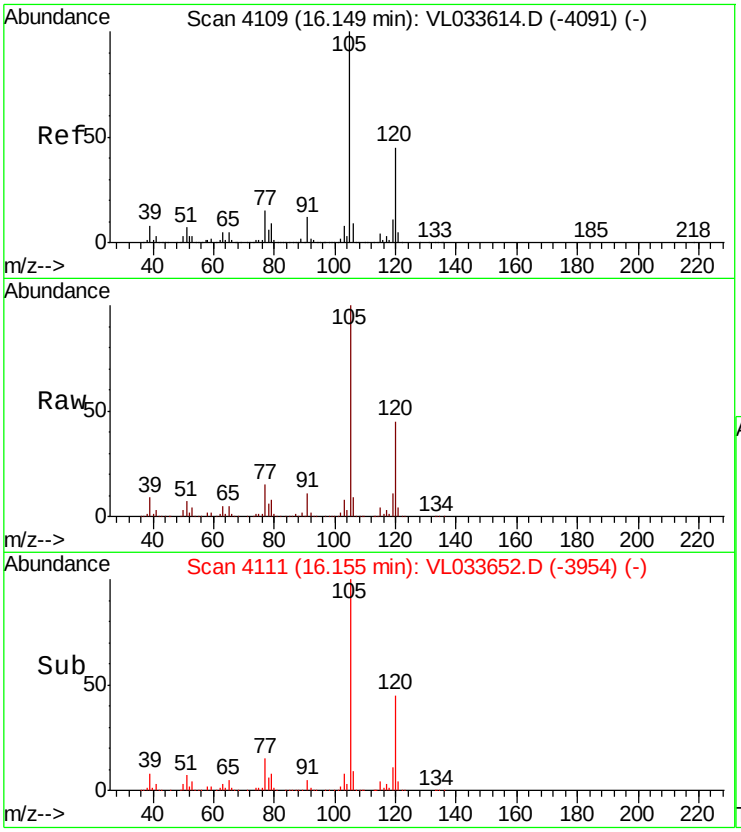


#72
4-Ethyltoluene
Concen: 9.880 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:105 Resp: 3441332

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.2	34.8
91	13.8	10.3	15.5
77	13.9	11.0	16.6



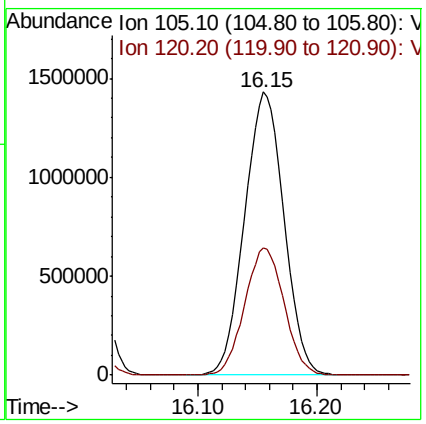


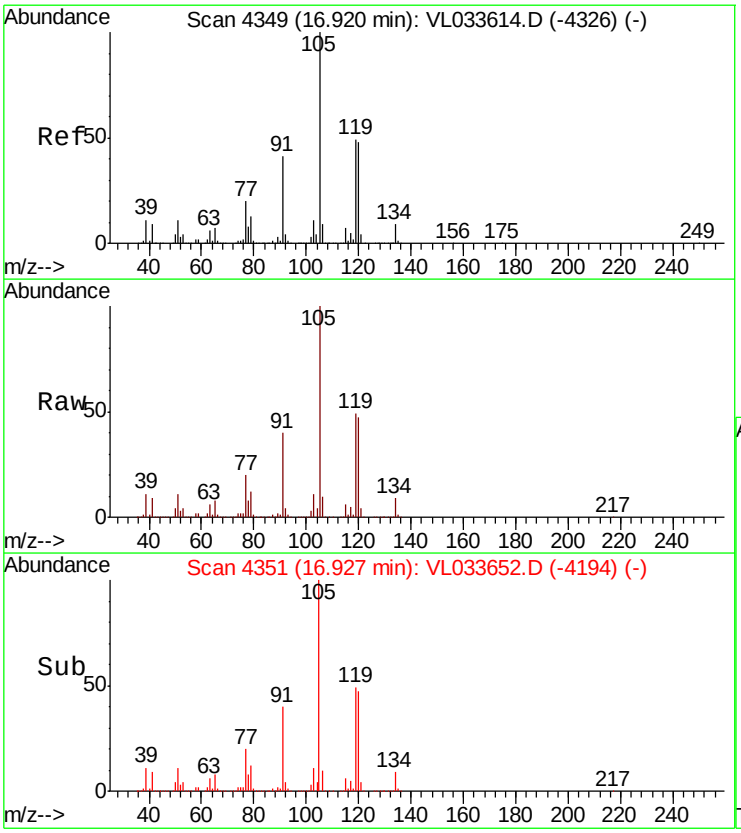
#73
1,3,5-Trimethylbenzene
Concen: 9.537 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3266683

Ion	Ratio	Lower	Upper
105	100		
120	44.9	36.2	54.2

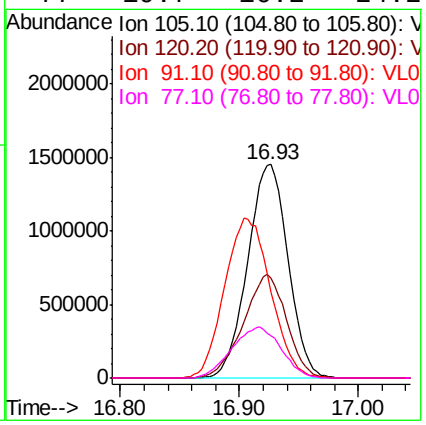


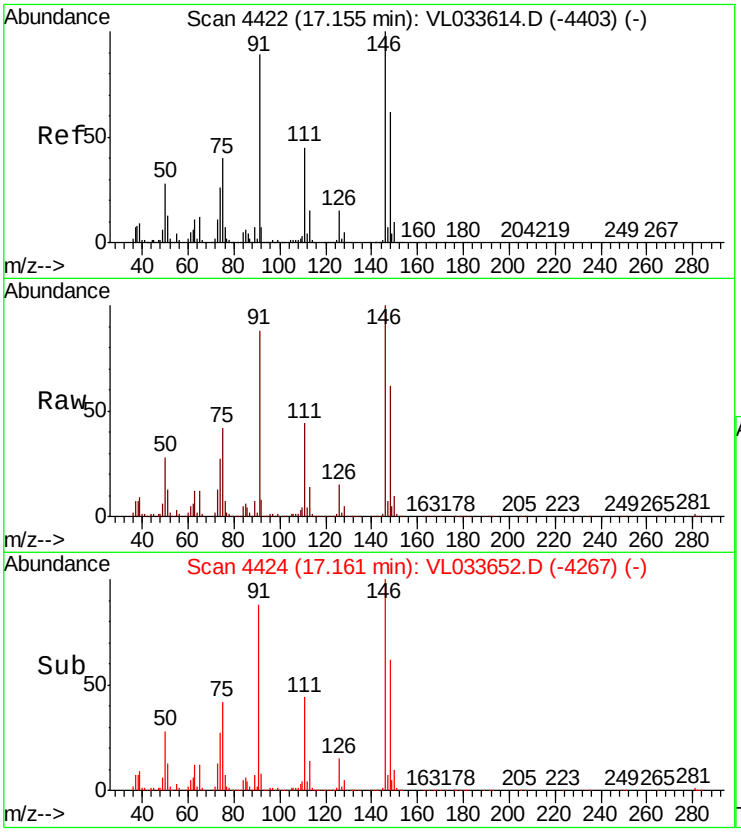


#74
1,2,4-Trimethylbenzene
Concen: 8.922 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:105 Resp: 3408597

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.4	57.6
91	39.8	33.0	49.4
77	19.7	16.2	24.2



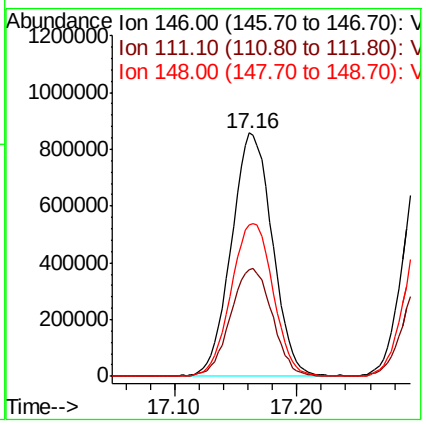


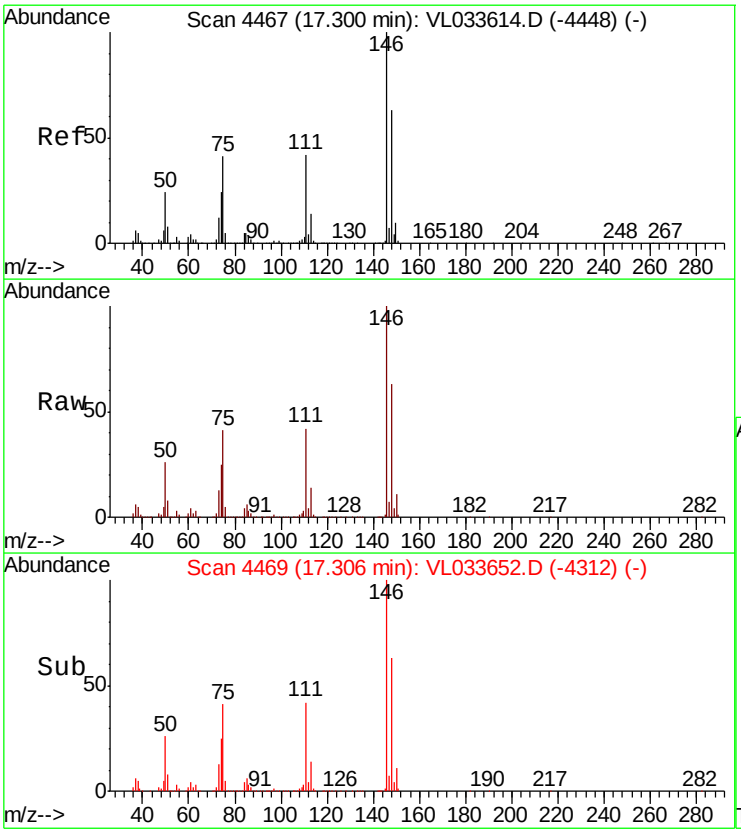
#75
1,3-Dichlorobenzene
Concen: 8.302 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1974553

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.2
148	65.1	32.0	96.0

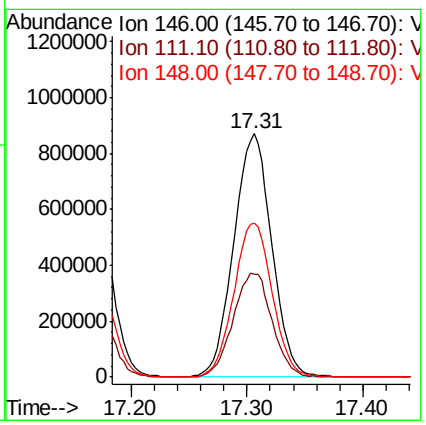


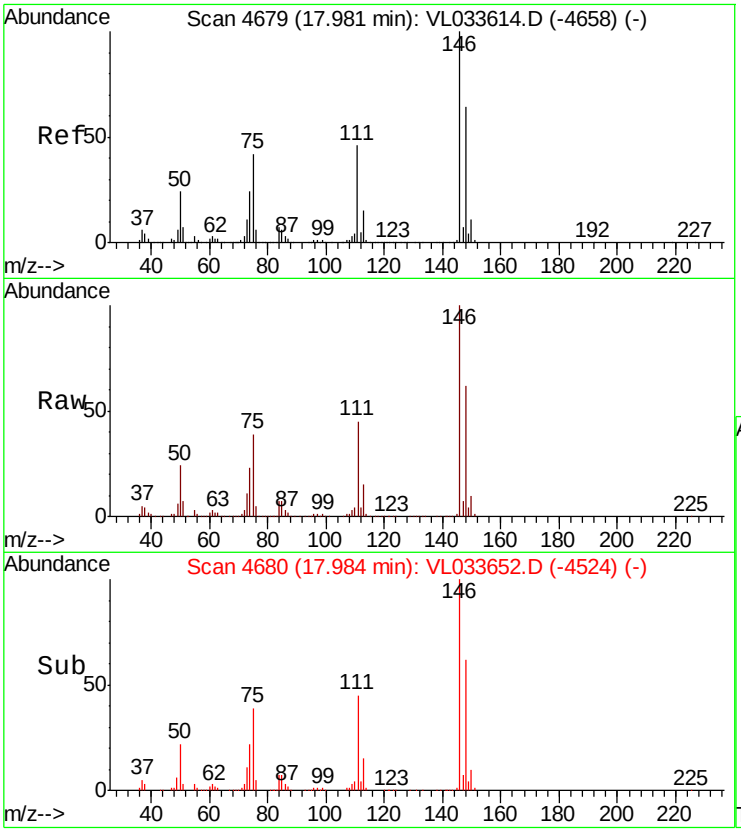


#76
1,4-Dichlorobenzene
Concen: 8.664 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:146 Resp: 1964739

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	64.6	32.3	96.9



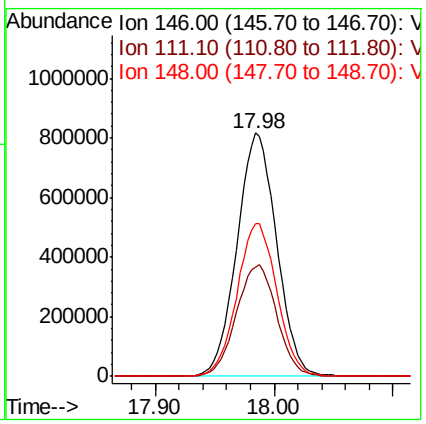


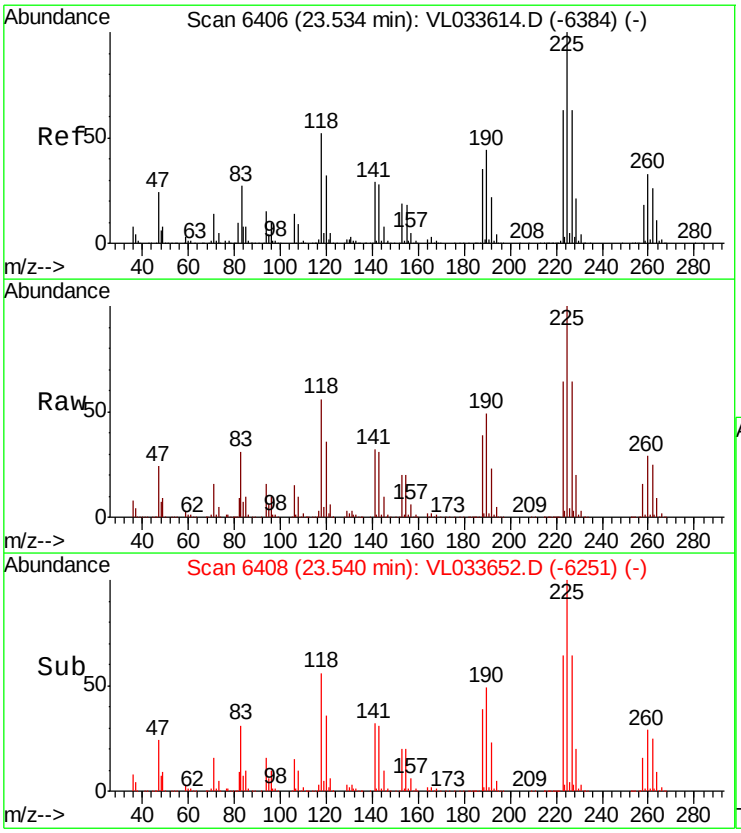
#77
1,2-Dichlorobenzene
Concen: 8.487 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. 0.00 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1877787

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.9
148	63.6	32.2	96.6

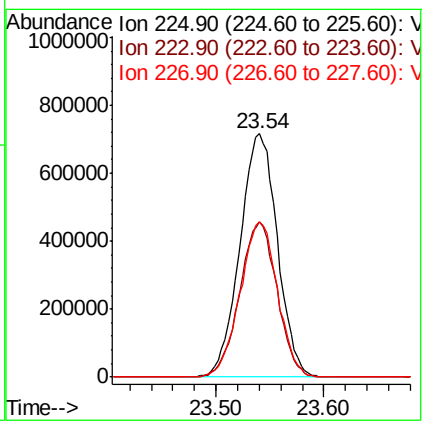


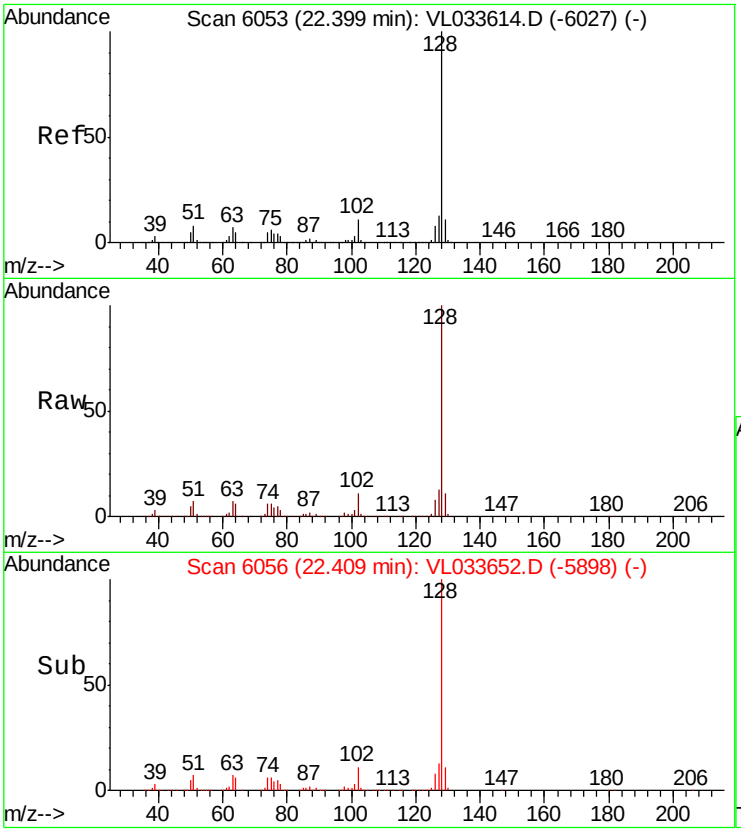


#78
Hexachloro-1,3-Butadiene
Concen: 10.226 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:225 Resp: 1729834

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.4	75.6
227	63.7	50.7	76.1



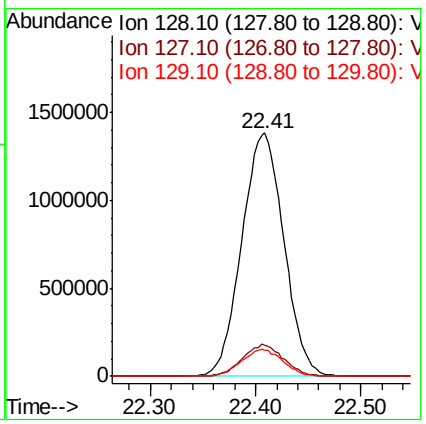


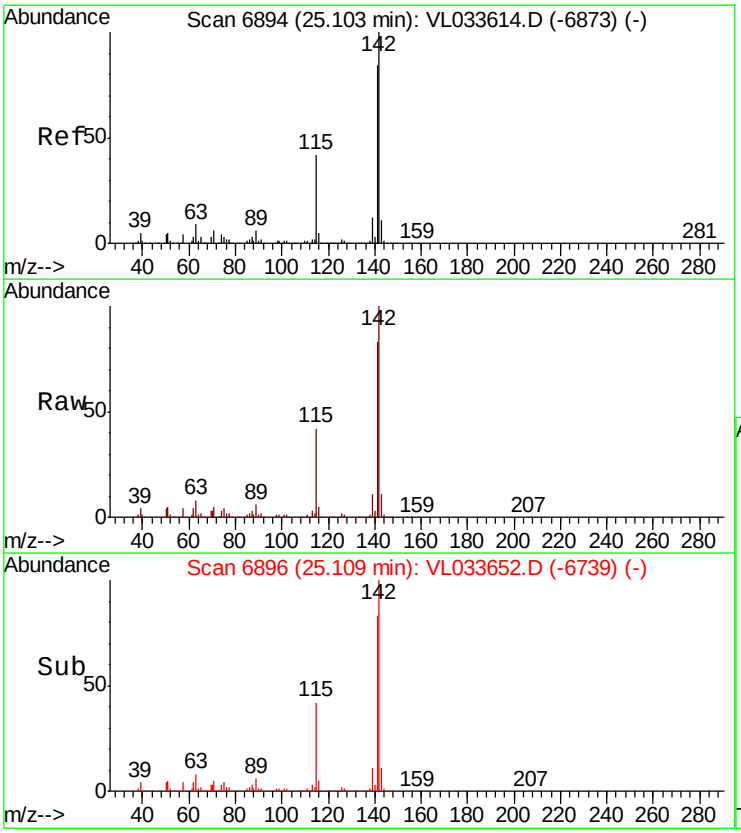
#79
Naphthalene
Concen: 10.901 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3840685

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.8	8.6	13.0

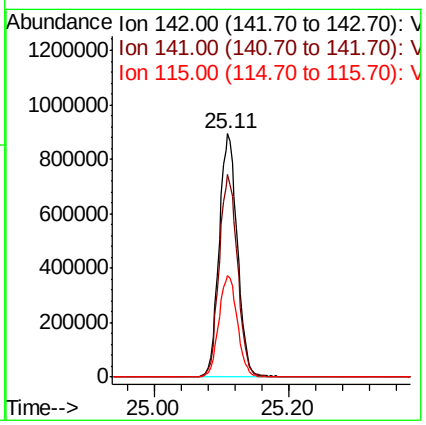


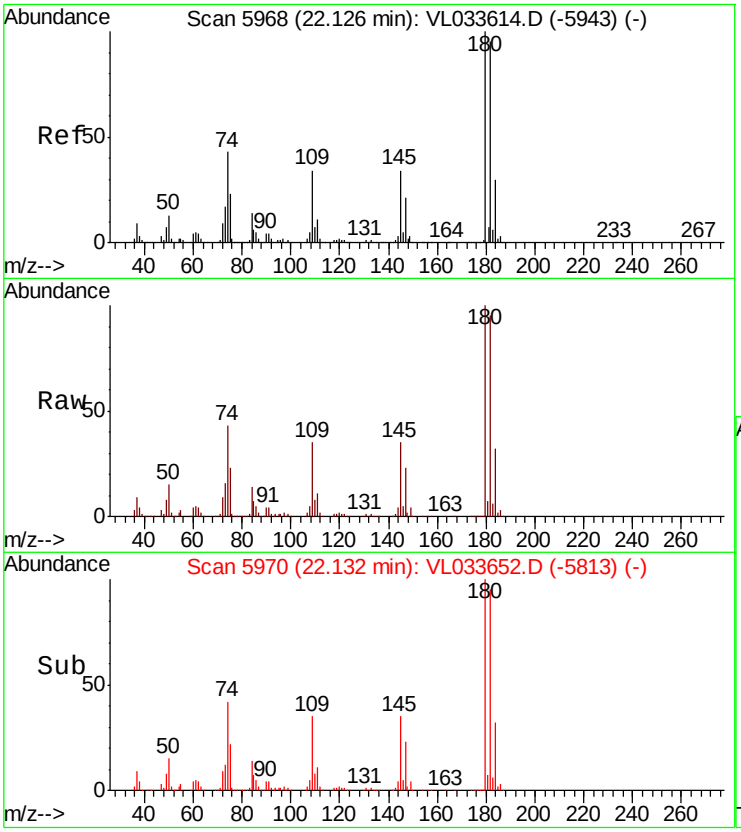


#80
Naphthalene,2-methyl-
Concen: 11.097 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Tgt Ion:142 Resp: 1695013

Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.3	100.9
115	42.2	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 9.597 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. 0.01 min
Lab File: VL033652.D
Acq: 3 May 2019 6:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1960864

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.2	114.2
184	30.7	24.5	36.7