Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033614.D
Acq On : 1 May 2019 11:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: May 02 04:06:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1126620	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2740188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	5347644	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2406567	5.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 58.70%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1469189	8.653	ppbv	100
3) Chlorodifluoromethane	3.00	51	1219849	8.458	ppbv	100
4) Chloromethane	3.16	50	660257	8.999	ppbv	100
5) Vinyl Chloride	3.28	62	658327	8.552	ppbv	100
6) Bromomethane	3.51	94	411292	9.079	ppbv	100
7) Chloroethane	3.59	64	244373	9.523	ppbv	100
8) Dichlorotetrafluoroethane	3.21	85	1639106	8.874	ppbv	100
9) Propene	3.02	41	118438	3.071	ppbv	100
10) Heptane	8.24	43	1447783	10.151	ppbv	100
11) Trichlorofluoromethane	3.99	101	1816538	9.001	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1221162	8.823	ppbv	100
13) Ethanol	3.63	45	129525	7.407	ppbv	100
14) Bromoethene	3.78	108	538699	9.482	ppbv	100
15) Acetone	3.89	43	1130157	8.240	ppbv	100
16) 1,3-Butadiene	3.35	39	590609	9.568	ppbv	100
17) tert-Butyl alcohol	4.34	59	1149551	9.707	ppbv	100
18) 1,1-Dichloroethene	4.34	96	547726	9.106	ppbv	100
19) Isopropyl Alcohol	4.01	45	892775	9.483	ppbv	100
20) Methylene Chloride	4.40	84	449750	8.414	ppbv	100
21) Allyl Chloride	4.47	41	831848	9.641	ppbv	100
22) trans-1,2-Dichloroethene	4.95	96	545919	9.267	ppbv	100
23) Vinyl Acetate	5.14	43	2058682	10.093	ppbv	100
24) 1,1-Dichloroethane	5.08	63	1394856	9.186	ppbv	100
25) Ethyl Acetate	5.76	43	2449535	9.410	ppbv	100
26) Hexane	5.77	57	1058042	9.652	ppbv	100
27) Carbon Disulfide	4.61	76	1378891	10.387	ppbv	100
28) Methyl tert-Butyl Ether	5.10	73	1847632	9.996	ppbv	100
29) Chloroform	5.84	83	1828402	9.101	ppbv	100
30) Cyclohexane	7.24	84	942349	9.916	ppbv	100
31) cis-1,2-Dichloroethene	5.63	61	1100897	9.948	ppbv	100
32) 1,1,1-Trichloroethane	6.61	97	1902524	9.040	ppbv	100
34) 2-Butanone	5.32	43	1625221	9.661	ppbv	100
35) Carbon Tetrachloride	7.12	117	2039441	9.395	ppbv	100
36) Benzene	7.00	78	2272614	9.734	ppbv	100
37) 1,2-Dichloroethane	6.40	62	1403302	9.045	ppbv	100
38) Trichloroethene	7.95	130	906057	9.687	ppbv	100
39) 1,2-Dichloropropane	7.73	63	865132	9.826	ppbv	100
40) 1,4-Dioxane	7.94	88	367374	10.274	ppbv	100
41) Tetrahydrofuran	6.14	42	899934	10.017	ppbv	100
42) Bromodichloromethane	7.91	83	2038243	9.708	ppbv	100
43) Methyl Methacrylate	8.13	69	925760	10.471	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033614.D
Acq On : 1 May 2019 11:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: May 02 04:06:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3873202	9.519	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1436290	12.234	ppbv		100
46) cis-1,3-Dichloropropene	8.82	75	563757	4.257	ppbv		100
47) 1,1,2-Trichloroethane	9.61	97	1500837	13.070	ppbv		100
48) Dibromochloromethane	10.44	129	2771374	14.263	ppbv		100
49) Bromoform	13.19	173	1561379	10.486	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	2625171	9.959	ppbv		100
51) 2-Hexanone	10.26	43	3347315	14.464	ppbv		100
52) Tetrachloroethene	11.36	164	916613	10.210	ppbv		100
53) Toluene	9.94	91	4206515	14.277	ppbv		100
54) 1,2-Dibromoethane	10.74	107	616509	3.905	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1826186	7.820	ppbv	#	57
57) Chlorobenzene	12.29	112	3157065	7.591	ppbv		100
58) Ethyl Benzene	12.85	91	3780231	6.074	ppbv		100
59) m/p-Xylene	13.14	91	3180783	5.913	ppbv	#	100
60) o-Xylene	13.84	91	3181185	5.884	ppbv		100
61) Styrene	13.68	104	2434004	6.579	ppbv		100
62) Isopropylbenzene	14.82	105	4310249	5.965	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2214496	5.230	ppbv		100
64) n-propylbenzene	15.71	120	1121897	5.985	ppbv		100
65) tert-Butylbenzene	16.90	119	3940553	5.831	ppbv		100
66) Benzyl Chloride	17.15	91	2145895	6.989	ppbv		100
67) sec-Butylbenzene	17.45	105	5607742	5.909	ppbv		100
69) p-Isopropyltoluene	17.81	119	4780186	6.053	ppbv		100
70) n-Butylbenzene	18.70	91	4971673	5.787	ppbv		100
71) 2-Chlorotoluene	15.61	91	3266680	6.043	ppbv		100
72) 4-Ethyltoluene	15.99	105	3792762	6.156	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3623870	5.983	ppbv		100
74) 1,2,4-Trimethylbenzene	16.92	105	3816203	5.654	ppbv		100
75) 1,3-Dichlorobenzene	17.15	146	2261140	5.382	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	2316590	5.779	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	2186012	5.582	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	1398033	4.684	ppbv		100
79) Naphthalene	22.40	128	3857150	6.184	ppbv		100
80) Naphthalene,2-methyl-	25.10	142	1923492	7.107	ppbv		100
81) 1,2,4-Trichlorobenzene	22.13	180	2070656	5.731	ppbv		100

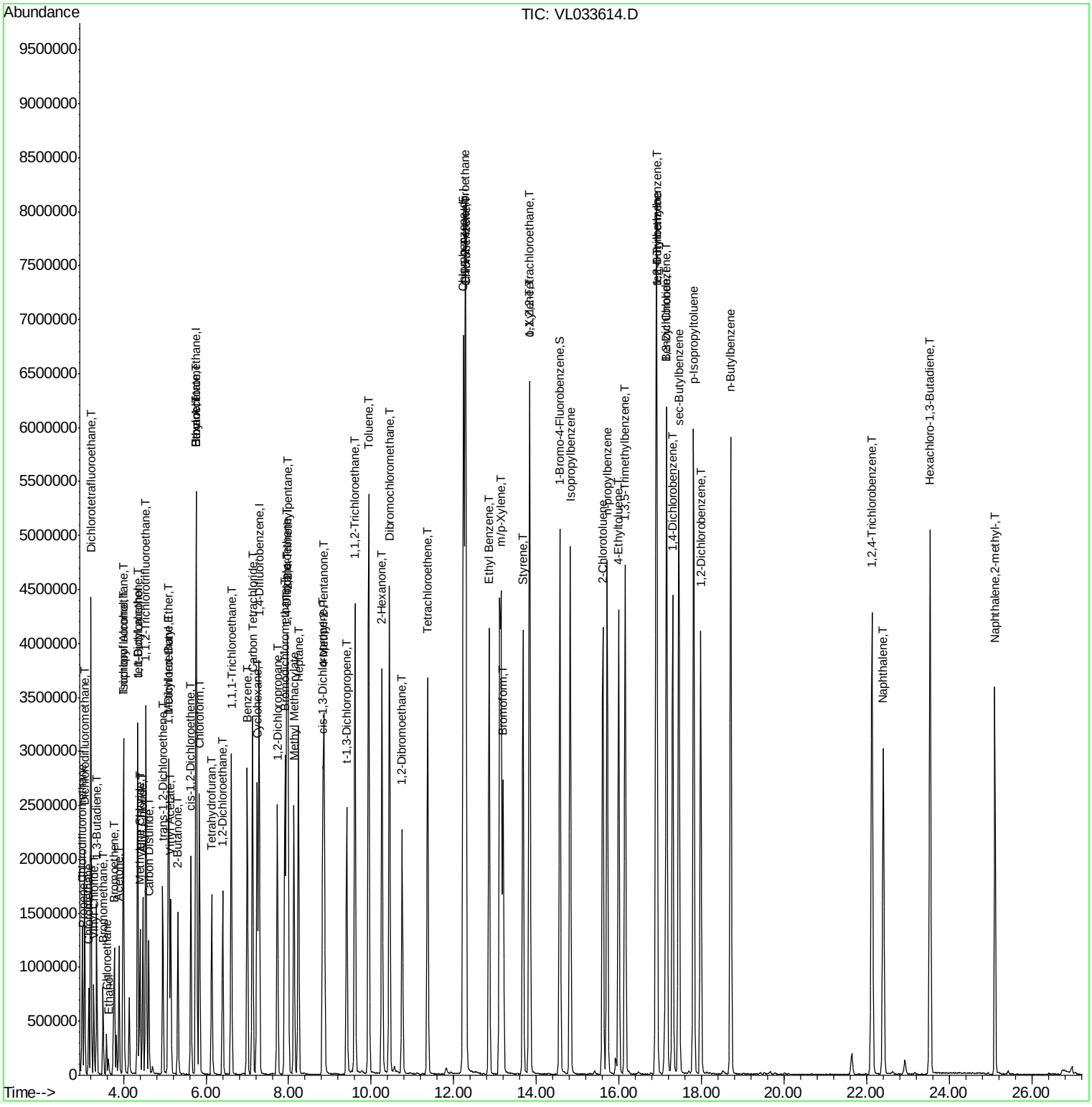
(#) = qualifier out of range (m) = manual integration (+) = signals summed

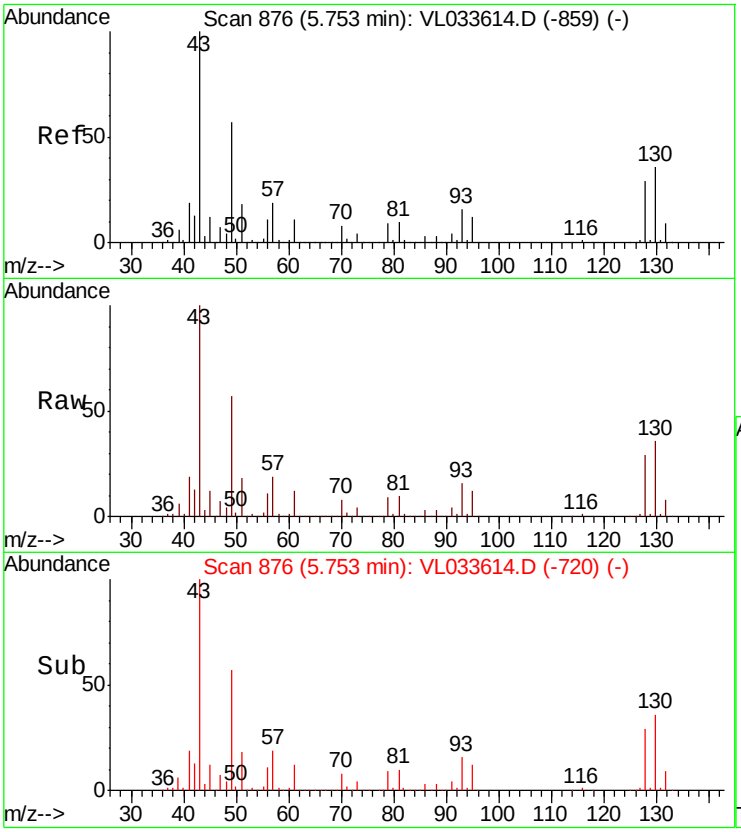
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033614.D
Acq On : 1 May 2019 11:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: May 02 04:06:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration



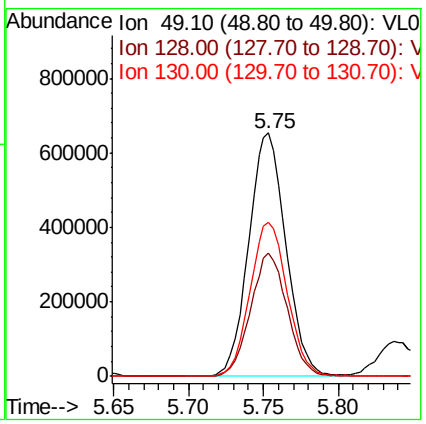


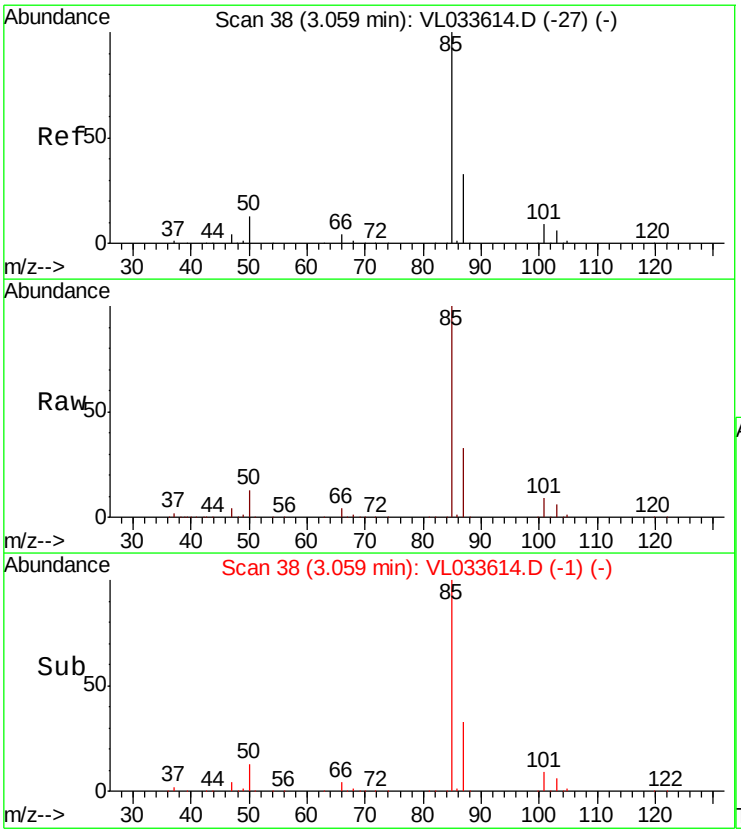
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1126620

Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.0	75.0
130	64.0	31.9	95.9

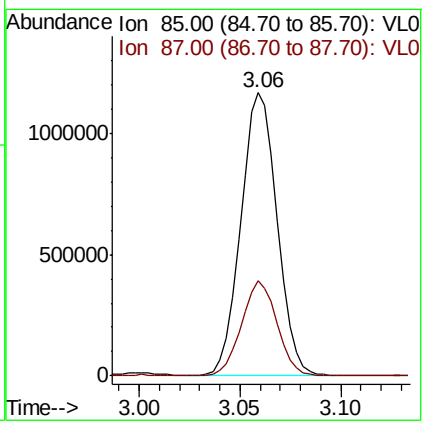


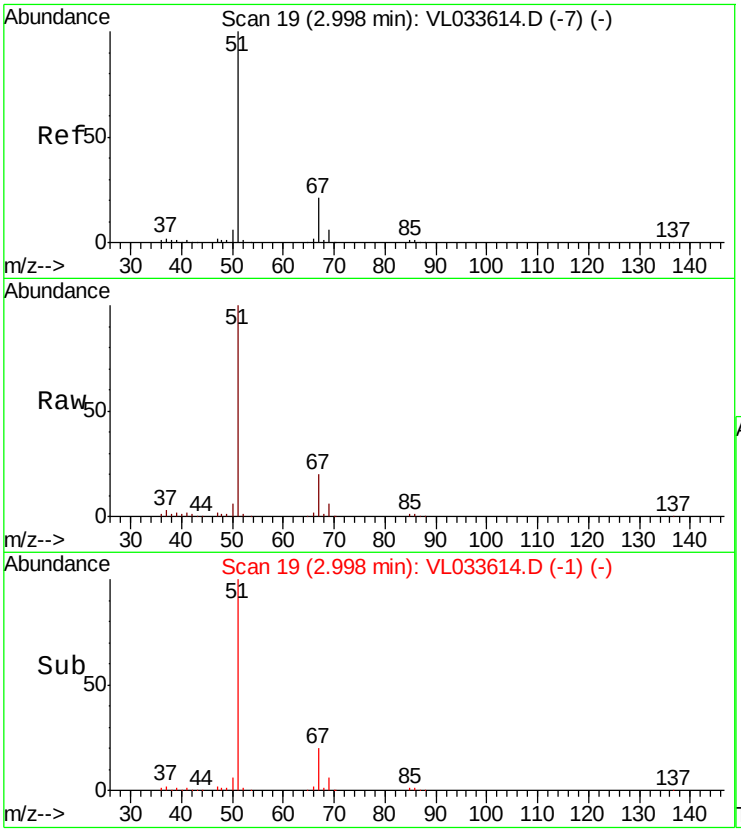


#2
Dichlorodifluoromethane
Concen: 8.653 ppbv
RT: 3.06 min Scan# 38
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 85 Resp: 1469189

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.8	40.2

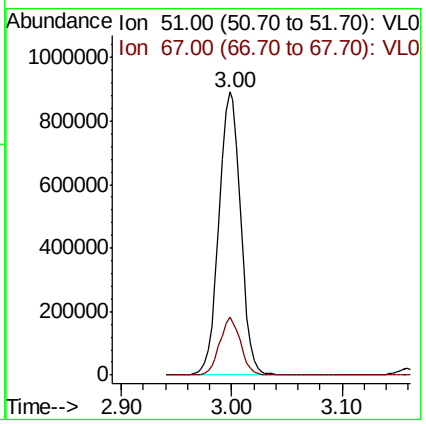




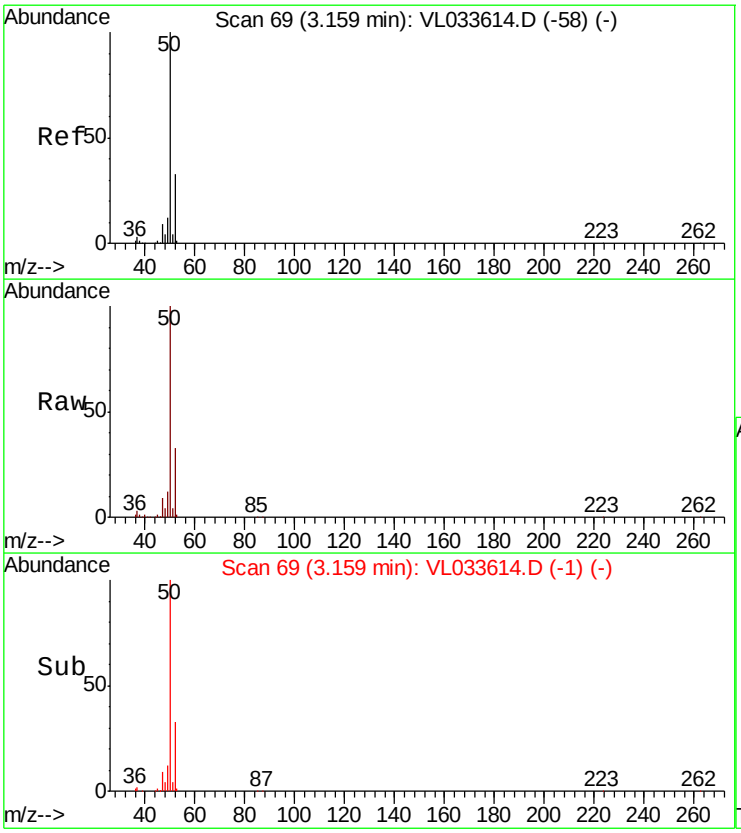
#3
Chlorodifluoromethane
Concen: 8.458 ppbv
RT: 3.00 min Scan# 19
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 51 Resp: 1219849

Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.6	23.4



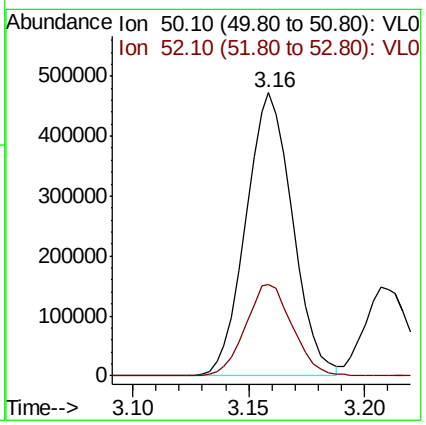
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

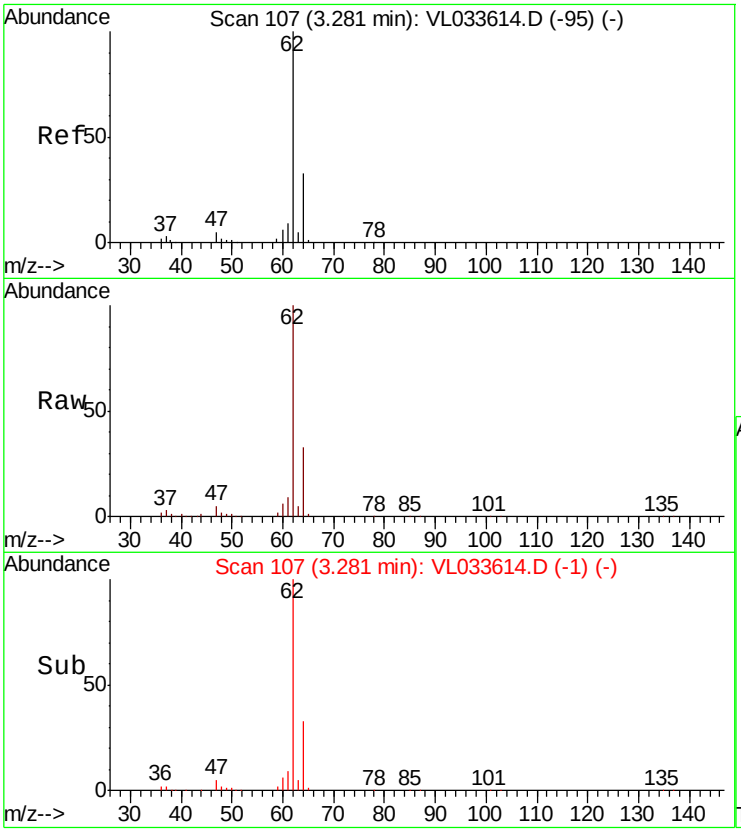


#4
Chloromethane
Concen: 8.999 ppbv
RT: 3.16 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 50 Resp: 660257

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0



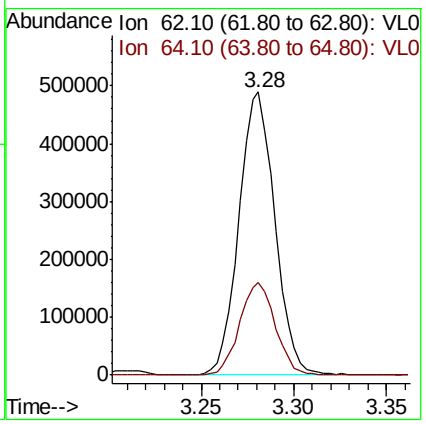


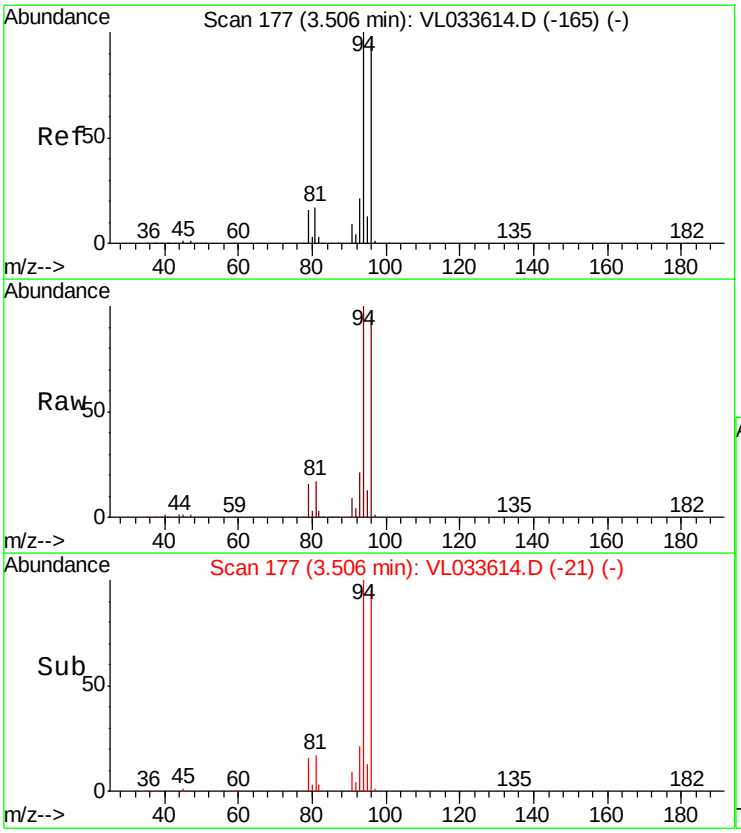
#5
Vinyl Chloride
Concen: 8.552 ppbv
RT: 3.28 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 658327

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

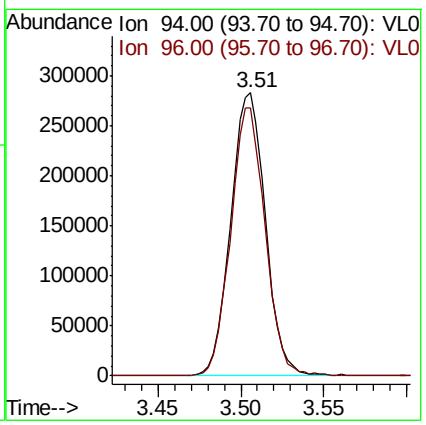


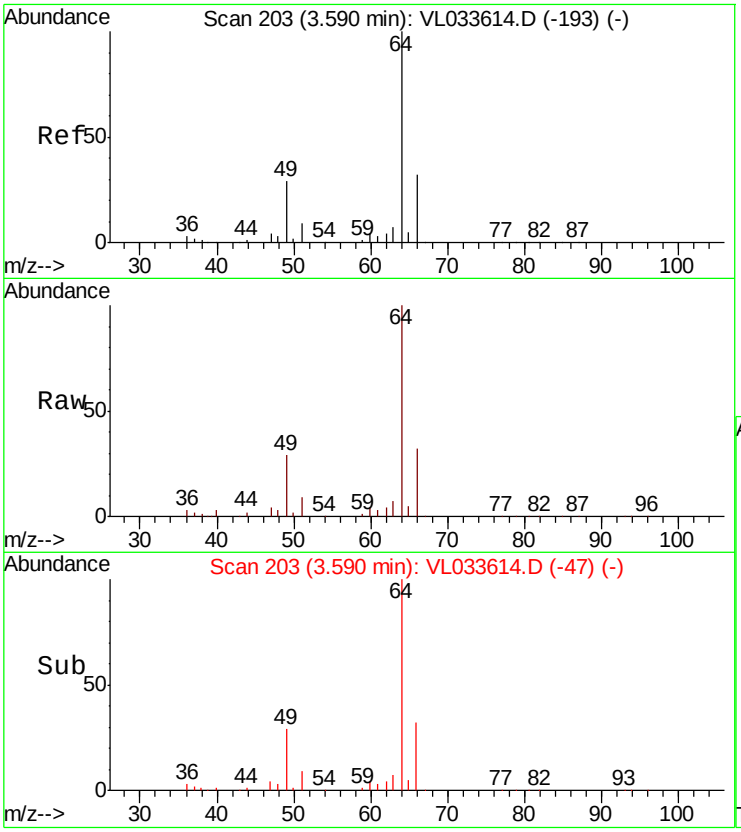


#6
Bromomethane
Concen: 9.079 ppbv
RT: 3.51 min Scan# 177
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 94 Resp: 411292

Ion	Ratio	Lower	Upper
94	100		
96	94.6	75.7	113.5



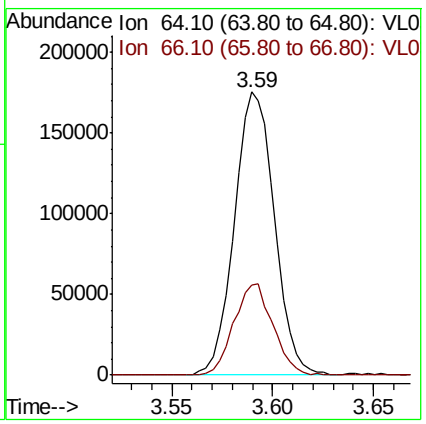


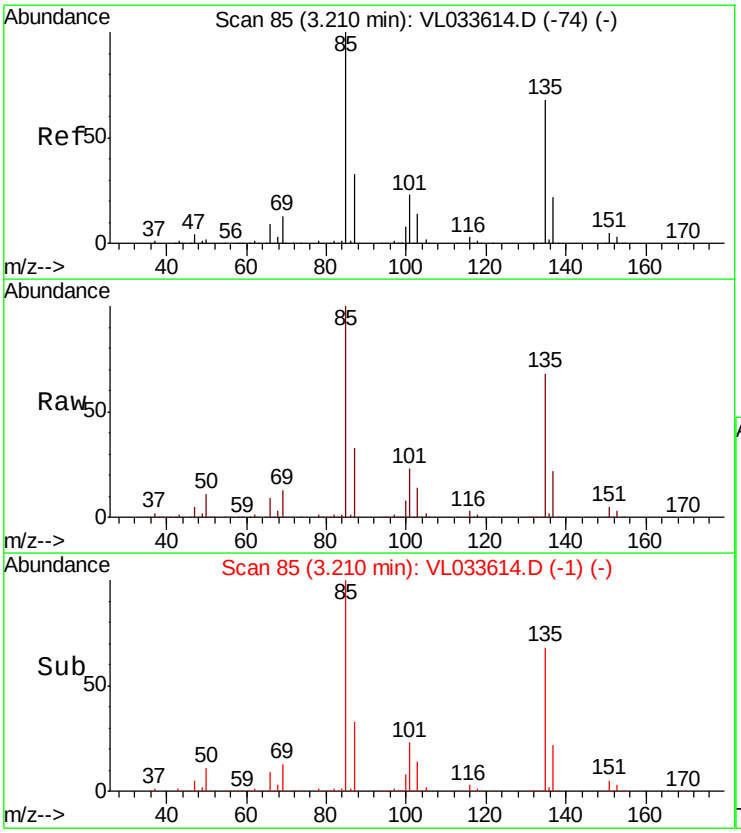
#7
Chloroethane
Concen: 9.523 ppbv
RT: 3.59 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 244373

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.4	38.2

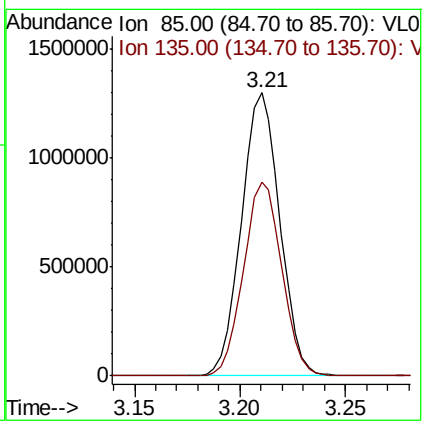


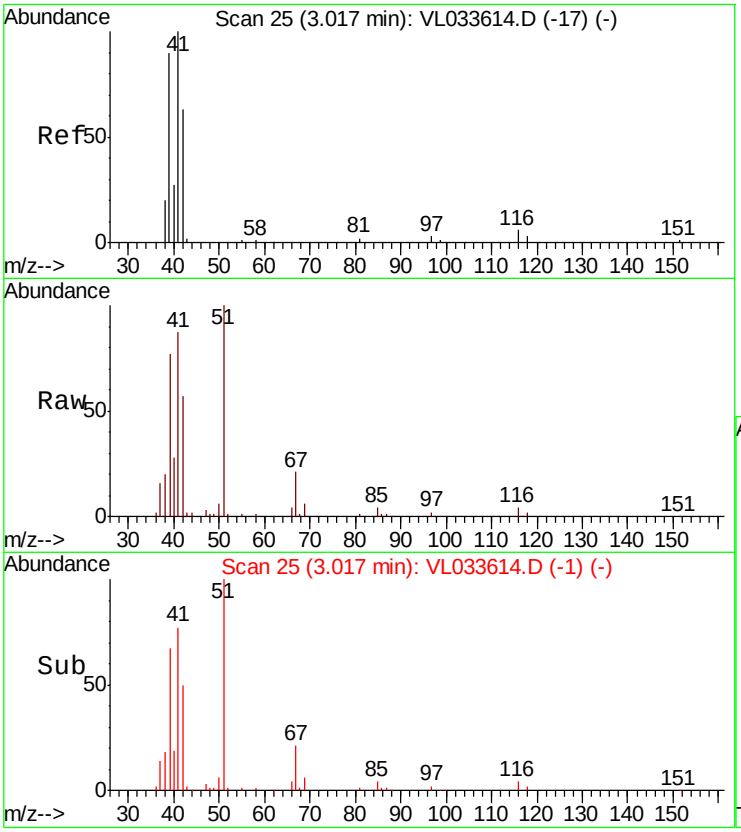


#8
Dichlorotetrafluoroethane
Concen: 8.874 ppbv
RT: 3.21 min Scan# 85
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 85 Resp: 1639106

Ion	Ratio	Lower	Upper
85	100		
135	68.8	55.0	82.6



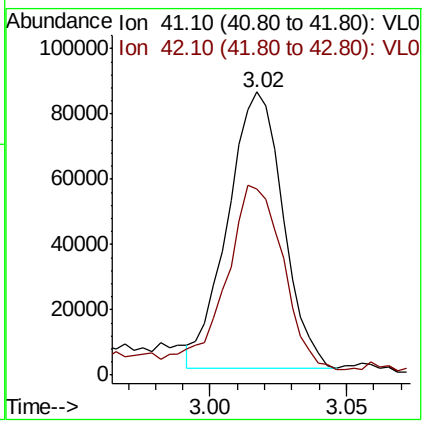


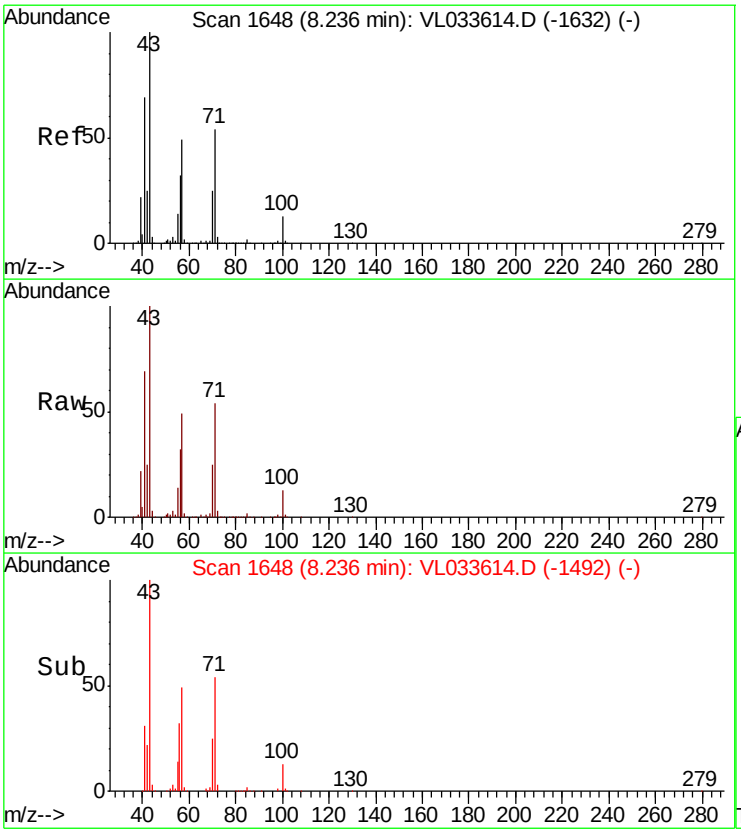
#9
Propene
Concen: 3.071 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 118438

Ion	Ratio	Lower	Upper
41	100		
42	82.5	66.0	99.0

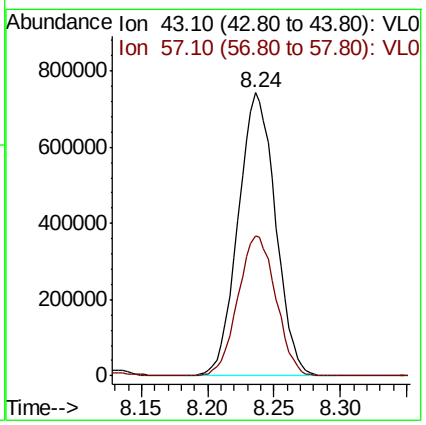


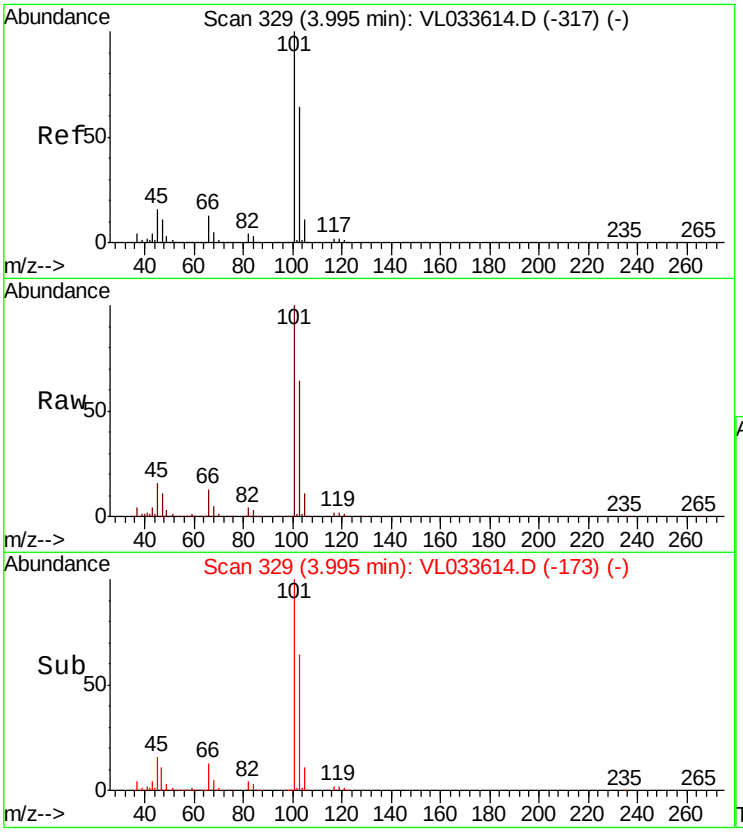


#10
Heptane
Concen: 10.151 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 43 Resp: 1447783

Ion	Ratio	Lower	Upper
43	100		
57	50.5	40.3	60.5



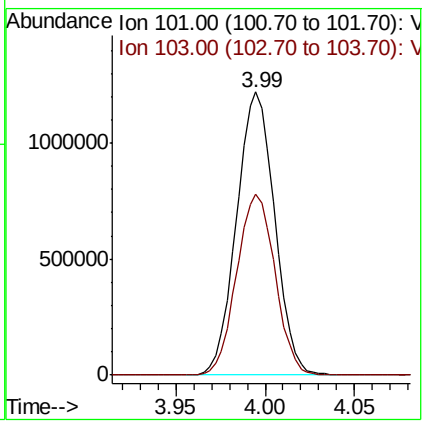


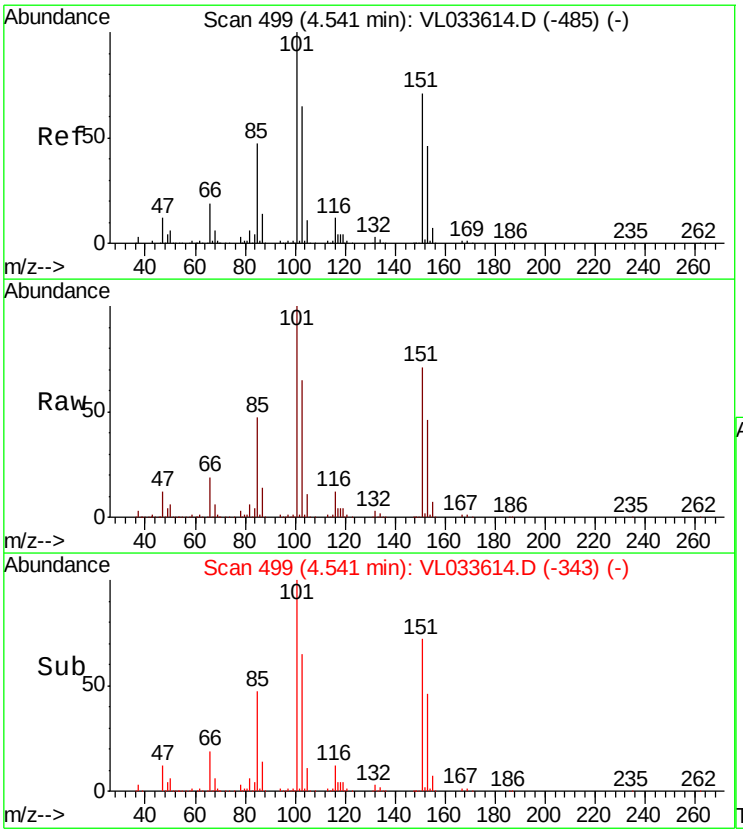
#11
Trichlorofluoromethane
Concen: 9.001 ppbv
RT: 3.99 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1816538

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

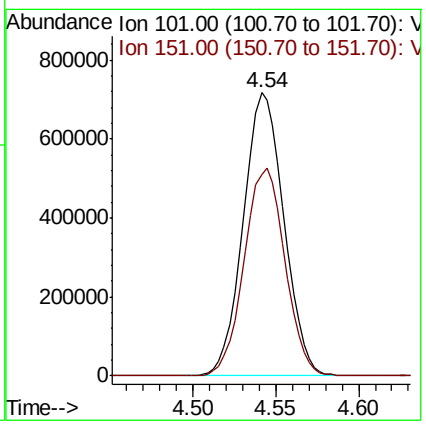


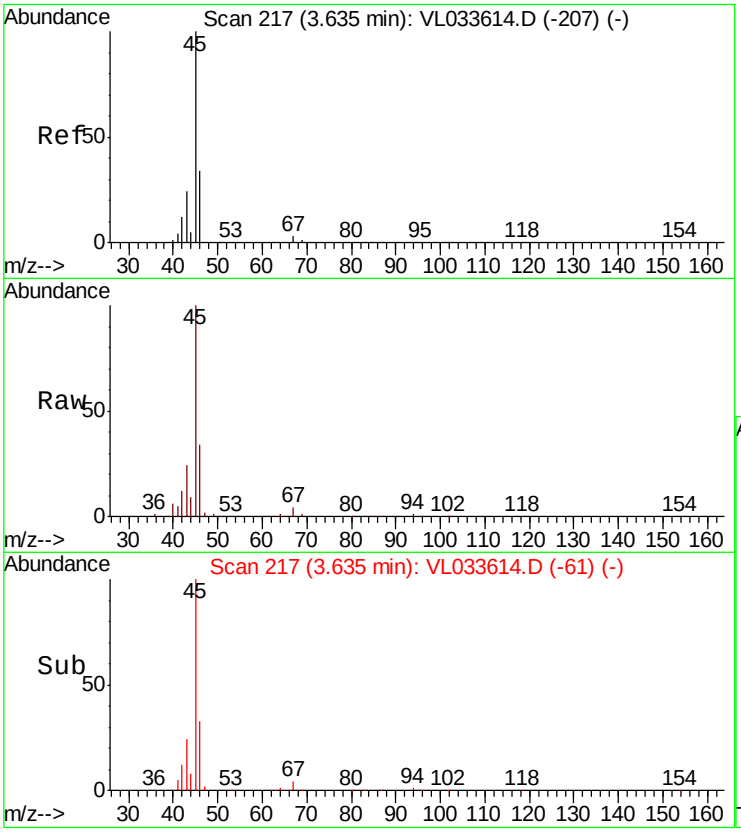


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.823 ppbv
RT: 4.54 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:101 Resp: 1221162

Ion	Ratio	Lower	Upper
101	100		
151	74.2	59.2	88.8



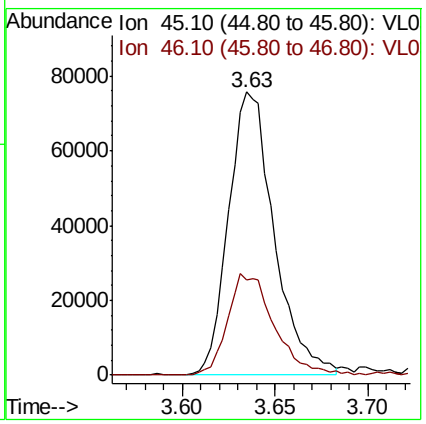


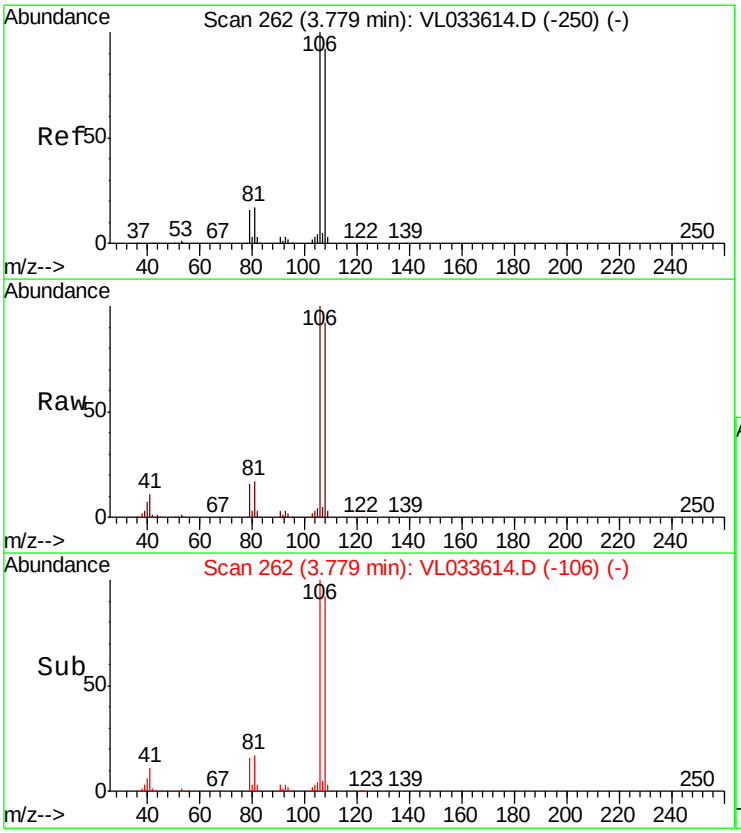
#13
Ethanol
Concen: 7.407 ppbv
RT: 3.63 min Scan# 217
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 129525

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.6	58.2

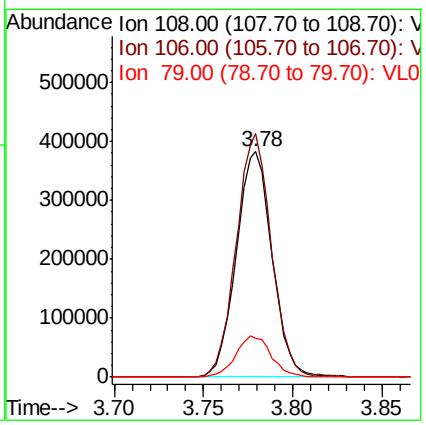


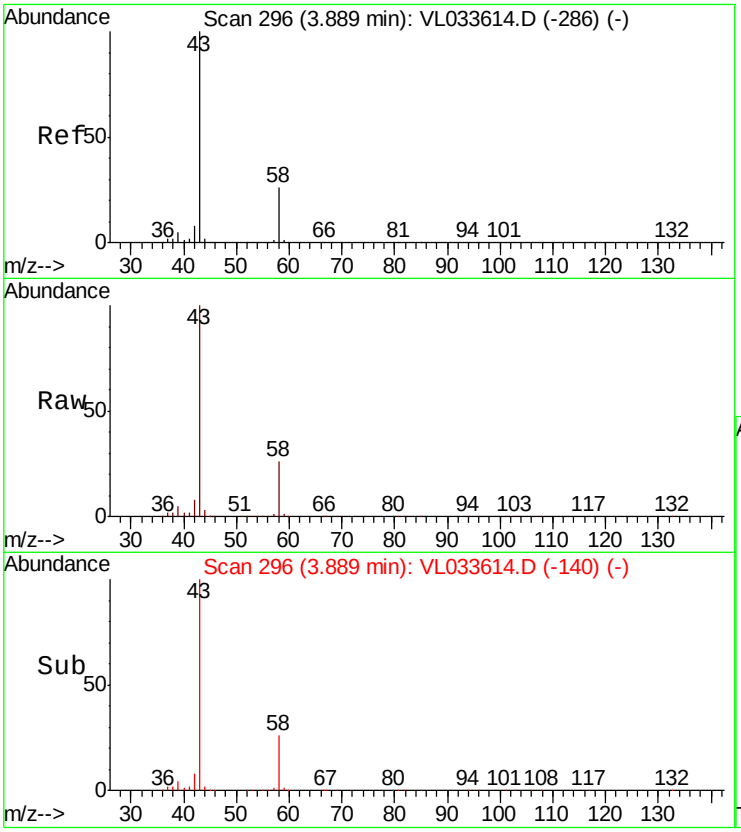


#14
Bromoethene
Concen: 9.482 ppbv
RT: 3.78 min Scan# 262
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:108 Resp: 538699

Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.6	127.0
79	18.0	14.4	21.6



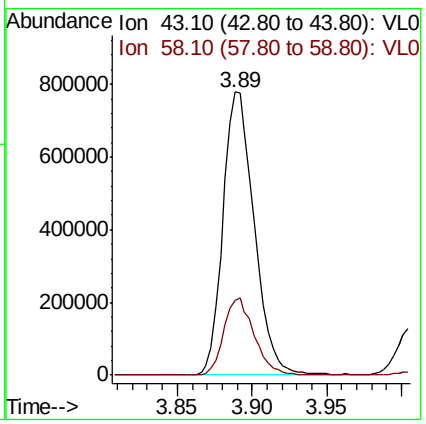


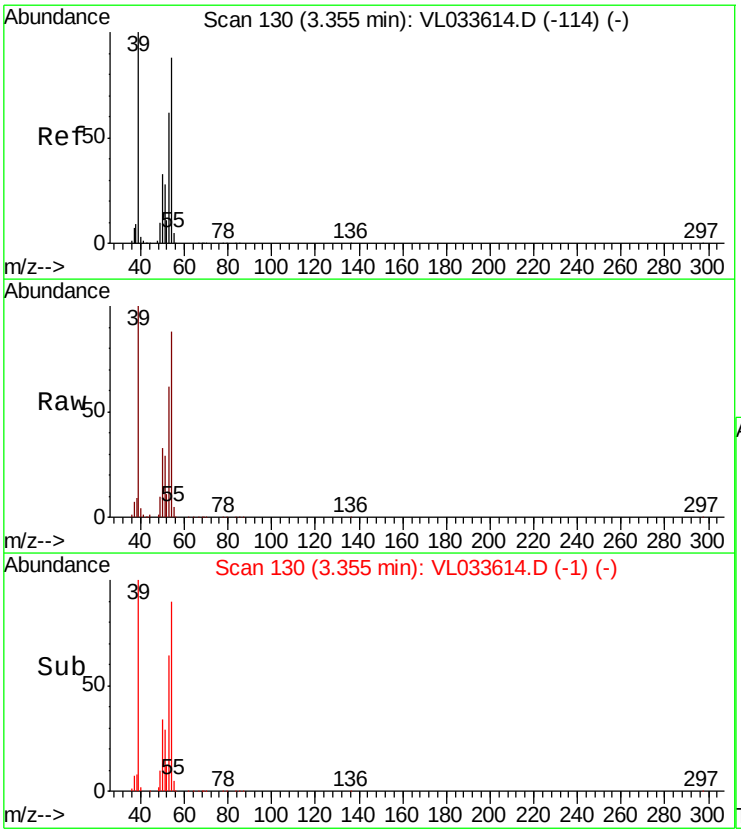
#15
Acetone
Concen: 8.240 ppbv
RT: 3.89 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1130157

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.2	31.8

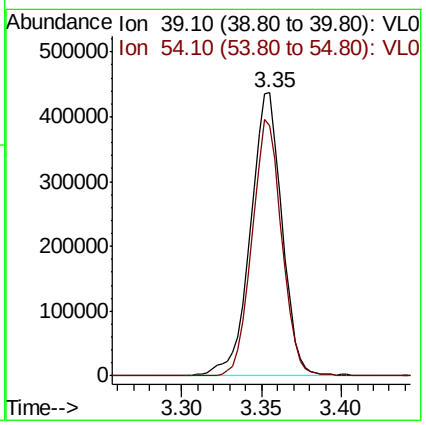


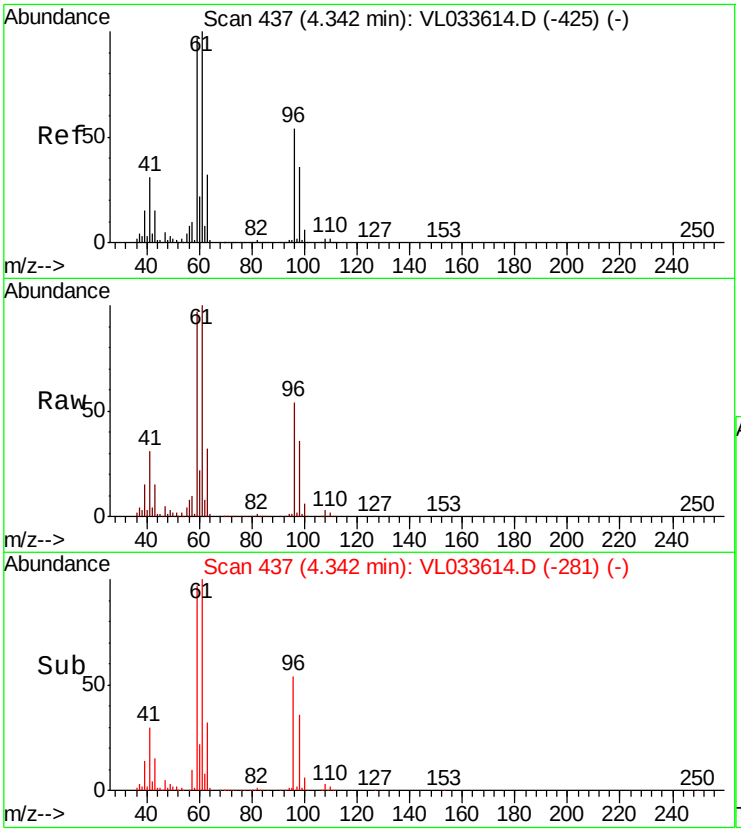


#16
1,3-Butadiene
Concen: 9.568 ppbv
RT: 3.35 min Scan# 130
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 39 Resp: 590609

Ion	Ratio	Lower	Upper
39	100		
54	85.5	68.4	102.6



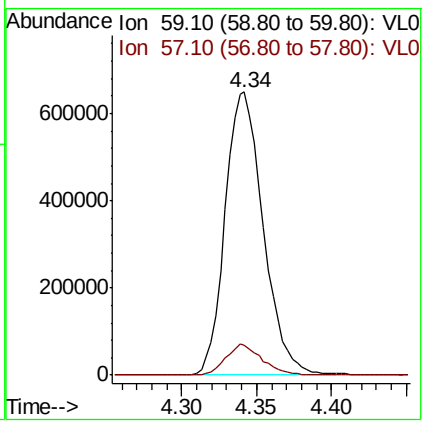


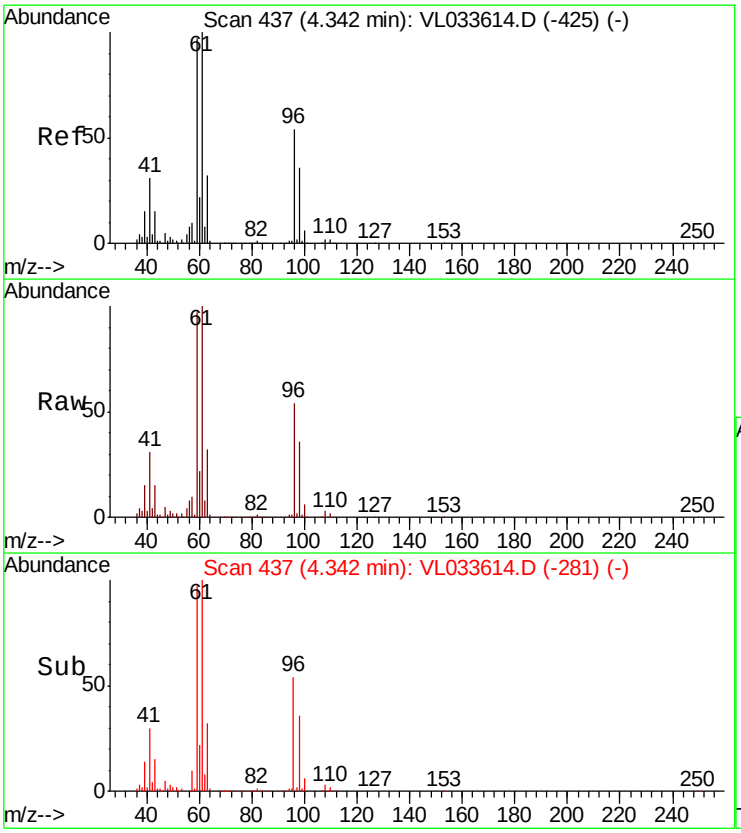
#17
tert-Butyl alcohol
Concen: 9.707 ppbv
RT: 4.34 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1149551

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

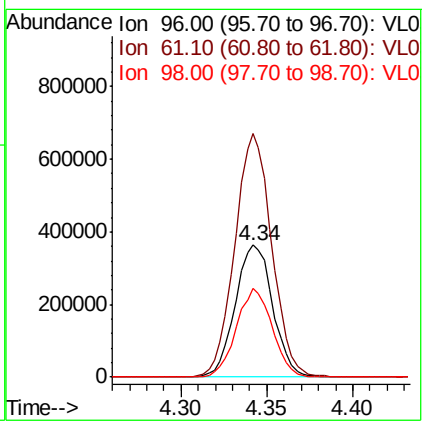


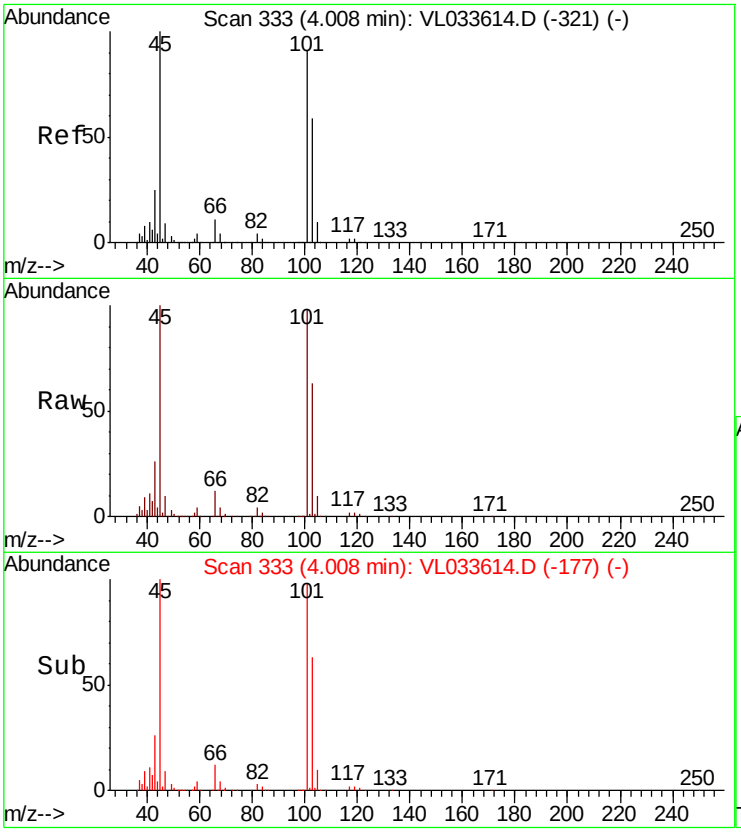


#18
1,1-Dichloroethene
Concen: 9.106 ppbv
RT: 4.34 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 96 Resp: 547726

Ion	Ratio	Lower	Upper
96	100		
61	184.1	147.3	220.9
98	67.0	53.6	80.4



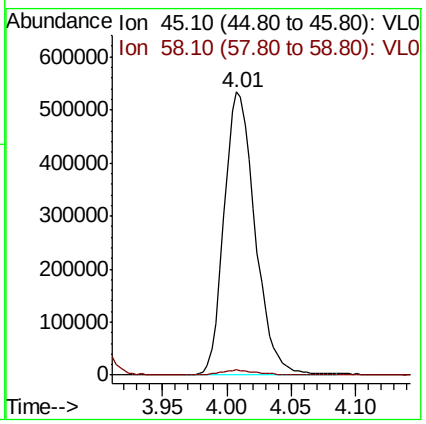


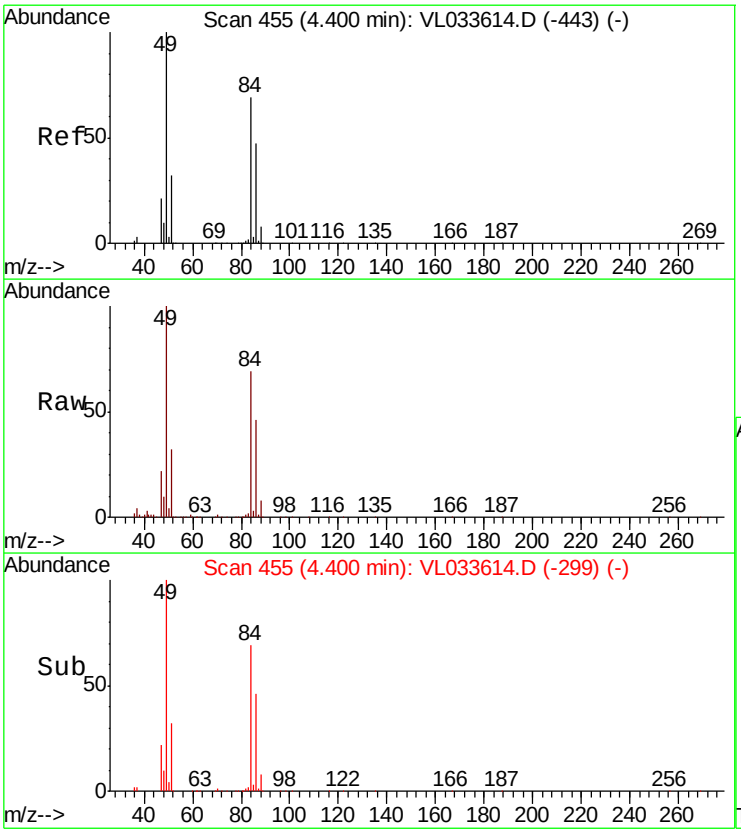
#19
Isopropyl Alcohol
Concen: 9.483 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 892775

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.8	2.6

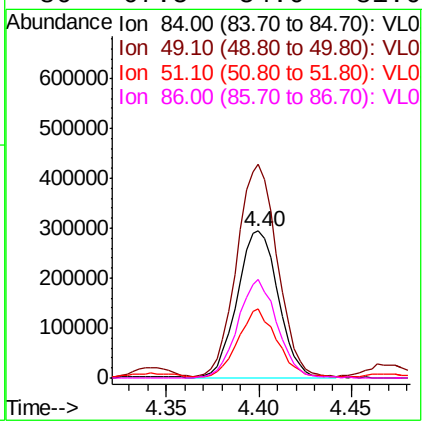


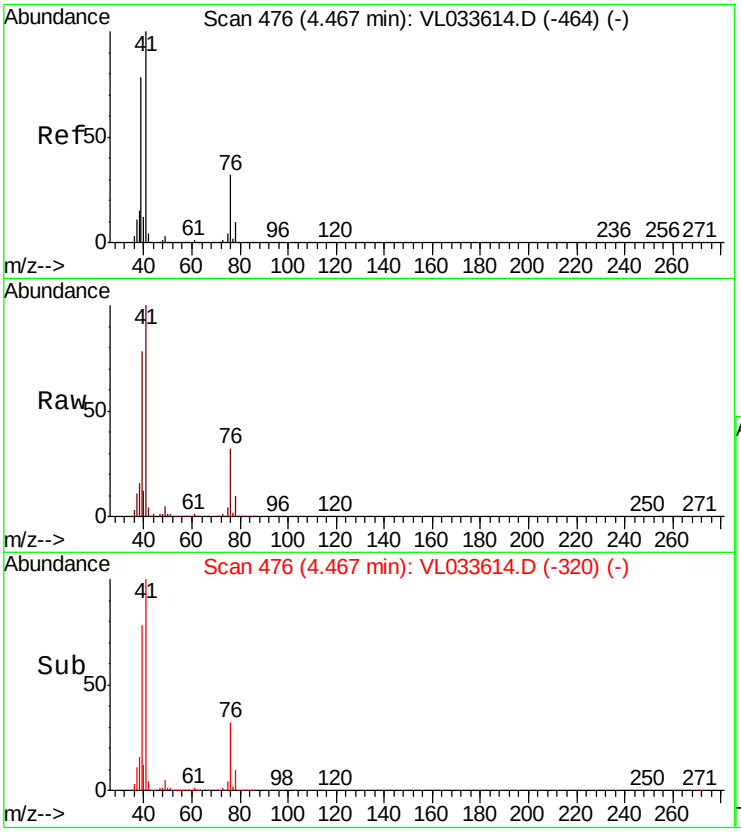


#20
Methylene Chloride
Concen: 8.414 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 84 Resp: 449750

Ion	Ratio	Lower	Upper
84	100		
49	145.2	116.2	174.2
51	46.3	37.0	55.6
86	67.5	54.0	81.0



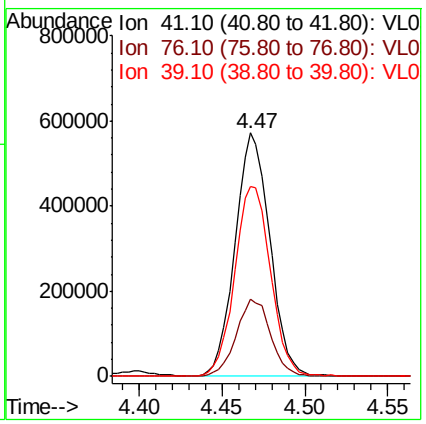


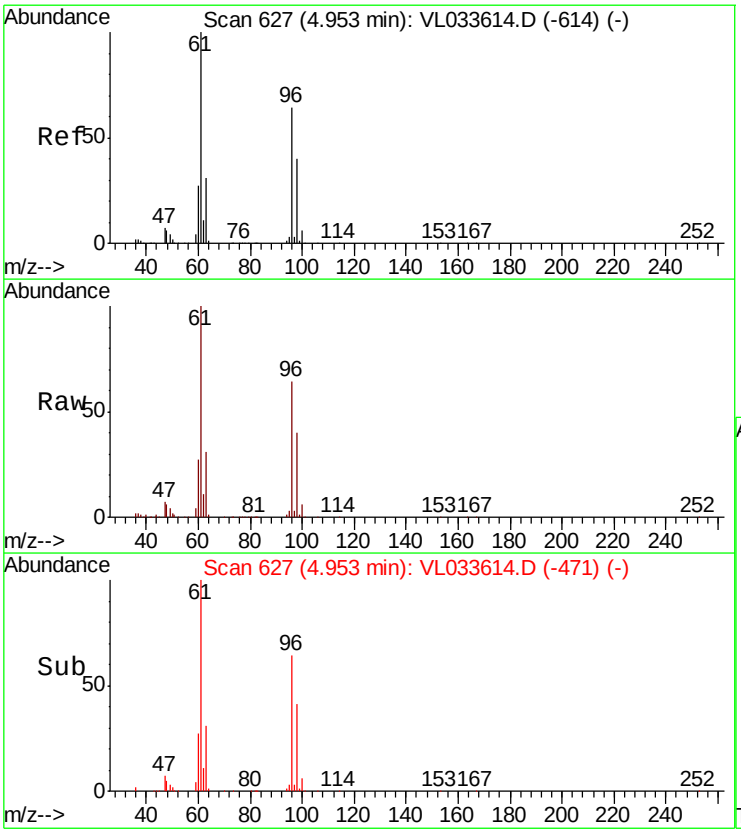
#21
Allyl Chloride
Concen: 9.641 ppbv
RT: 4.47 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 831848

Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.0	37.6
39	80.7	64.6	96.8

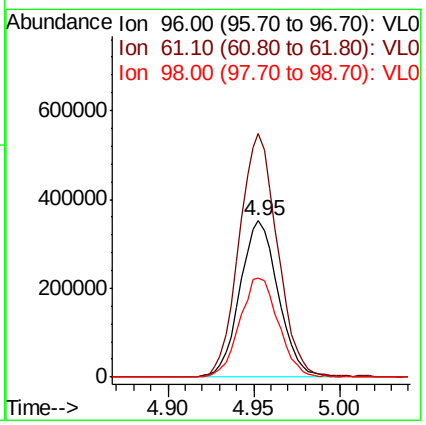


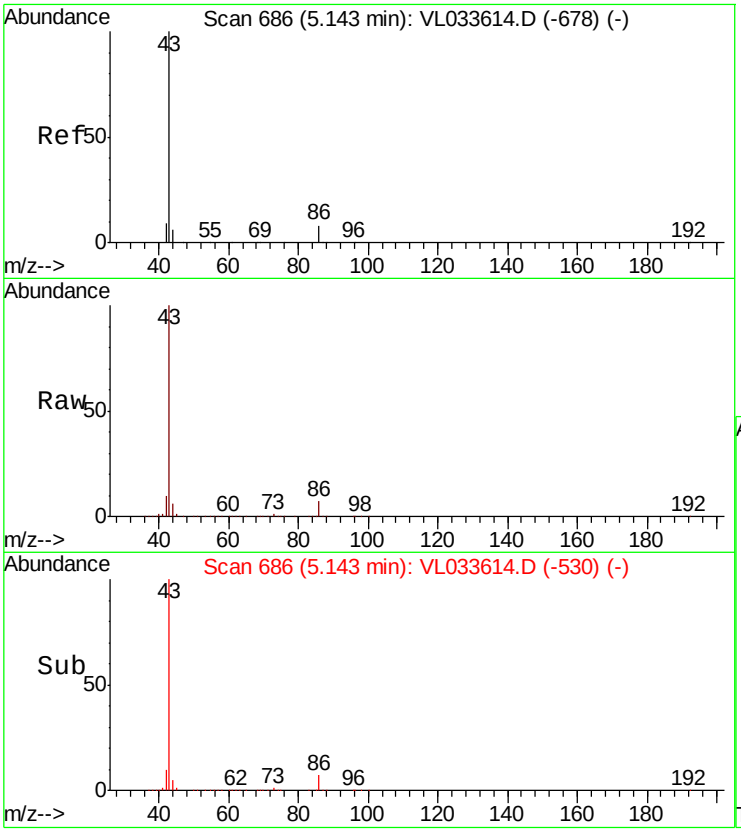


#22
trans-1,2-Dichloroethene
Concen: 9.267 ppbv
RT: 4.95 min Scan# 627
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 96 Resp: 545919

Ion	Ratio	Lower	Upper
96	100		
61	156.1	124.9	187.3
98	63.1	50.5	75.7



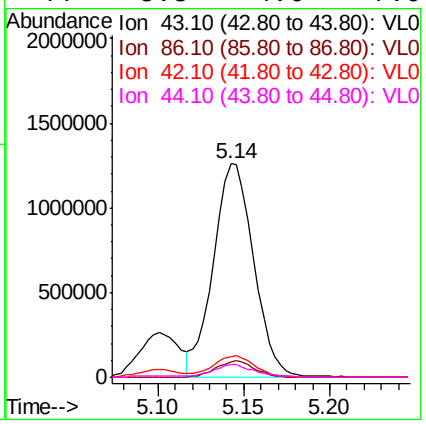


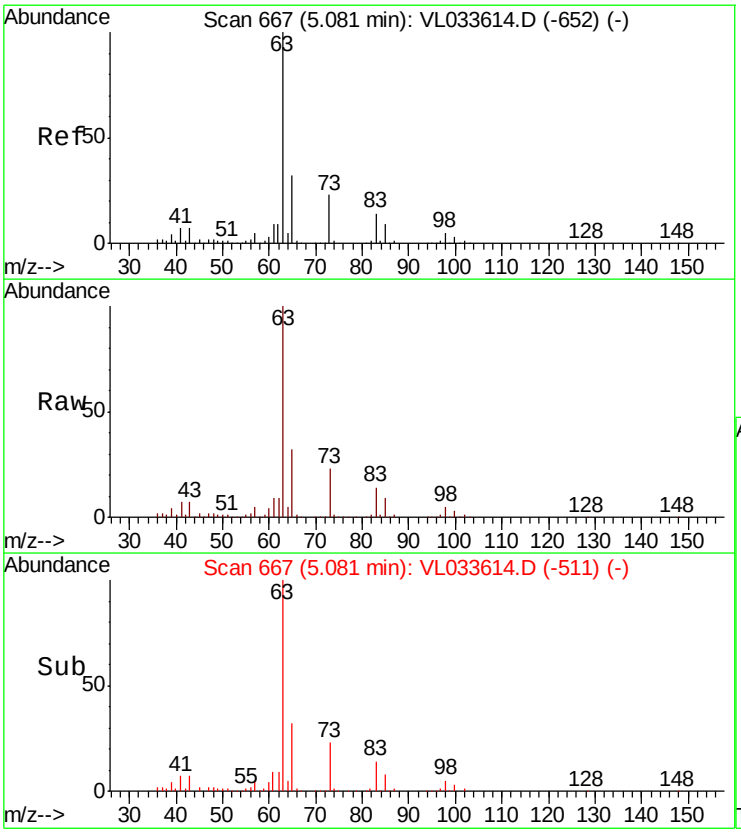
#23
Vinyl Acetate
Concen: 10.093 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2058682

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.8
42	9.8	7.8	11.8
44	5.8	4.6	7.0

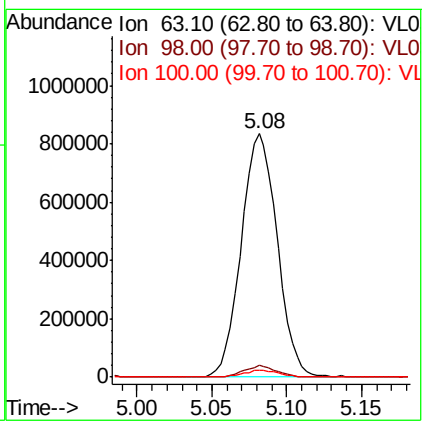


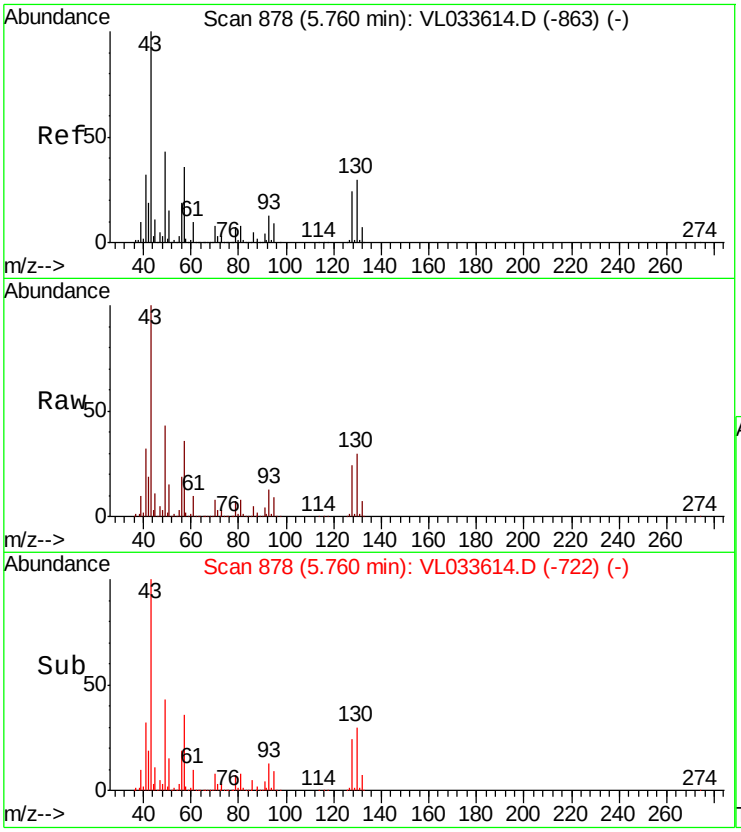


#24
1,1-Dichloroethane
Concen: 9.186 ppbv
RT: 5.08 min Scan# 667
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 63 Resp: 1394856

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



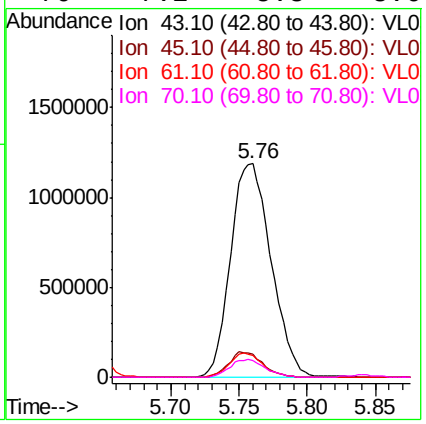


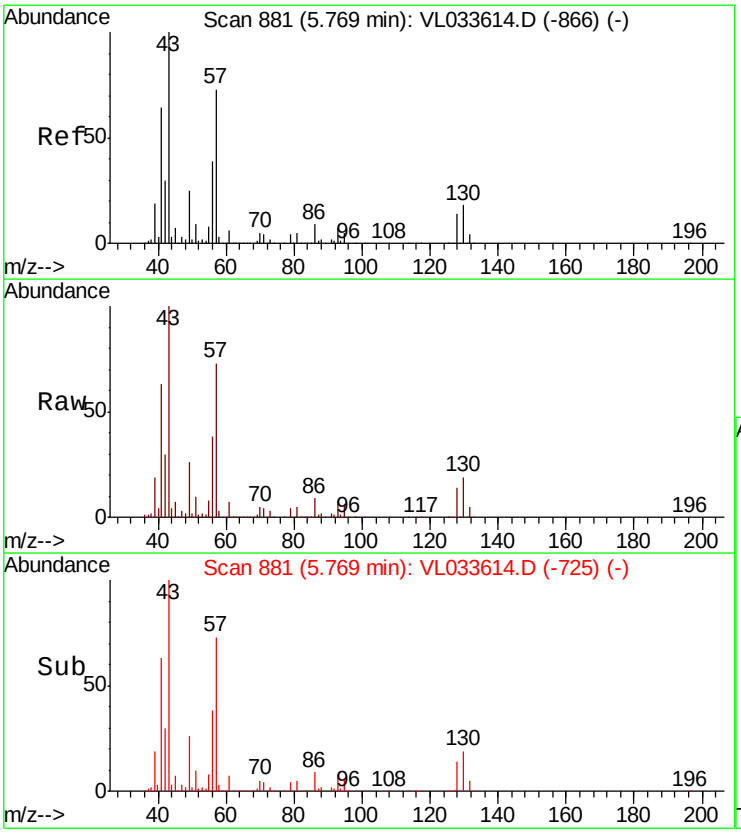
#25
Ethyl Acetate
Concen: 9.410 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2449535

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.4	7.5	11.3
70	7.2	5.8	8.6

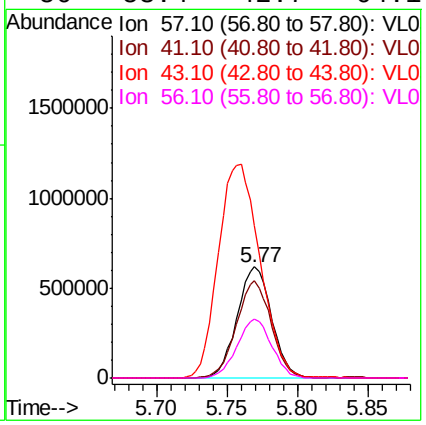


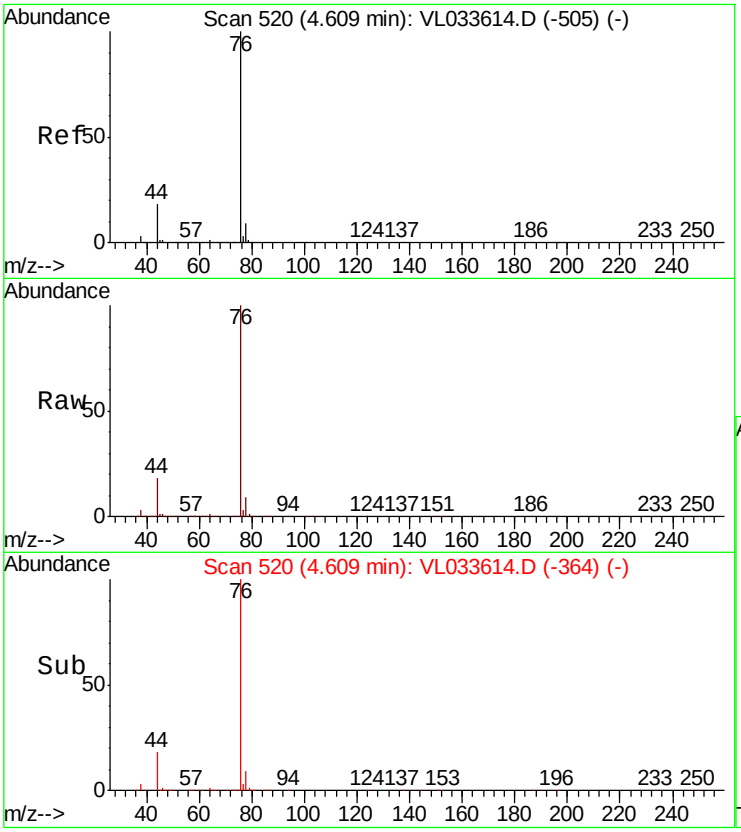


#26
Hexane
Concen: 9.652 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 57 Resp: 1058042

Ion	Ratio	Lower	Upper
57	100		
41	88.2	70.6	106.0
43	232.8	186.0	279.0
56	53.4	42.7	64.1



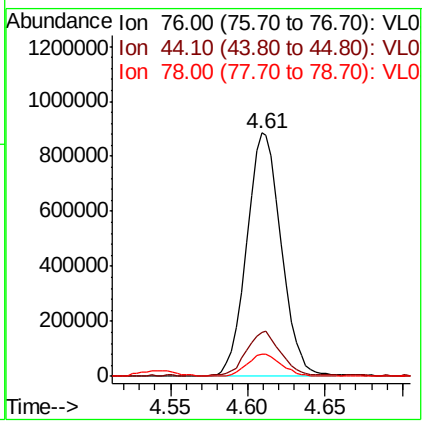


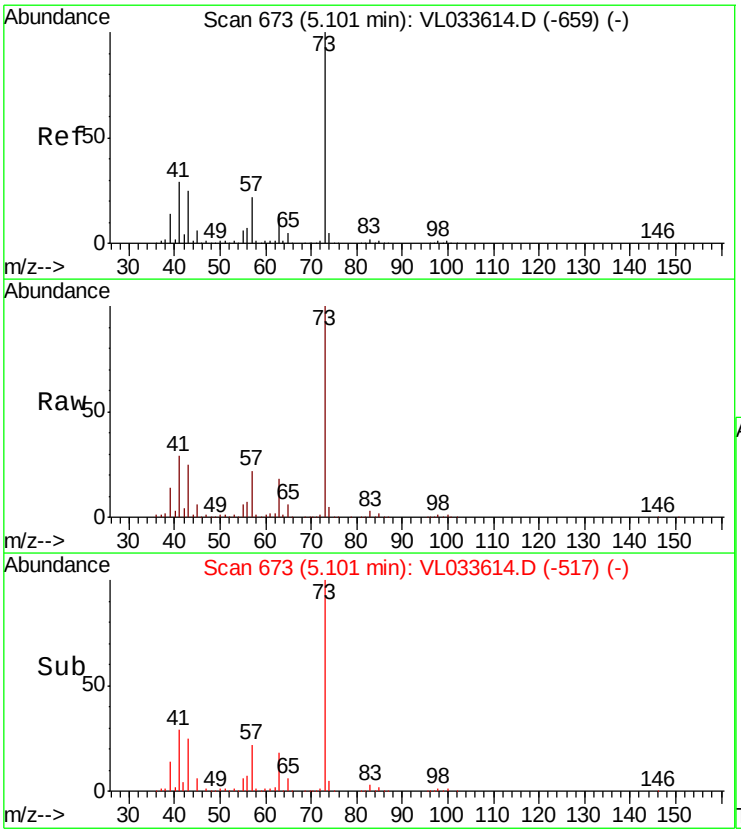
#27
Carbon Disulfide
Concen: 10.387 ppbv
RT: 4.61 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1378891

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.3	21.5
78	9.2	7.5	11.3

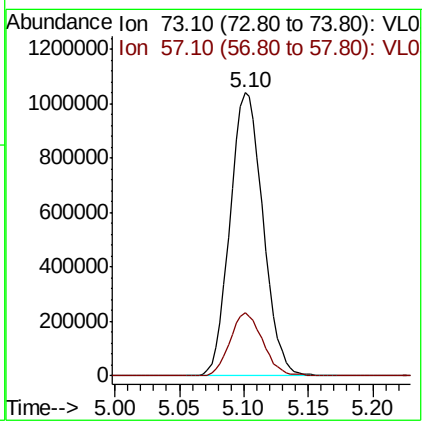


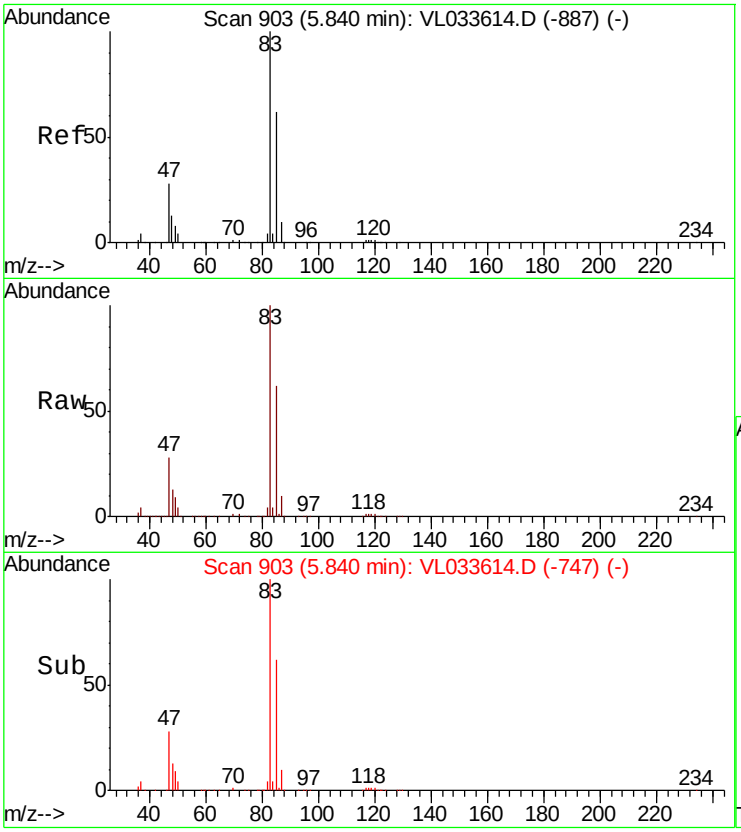


#28
Methyl tert-Butyl Ether
Concen: 9.996 ppbv
RT: 5.10 min Scan# 673
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 73 Resp: 1847632

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8



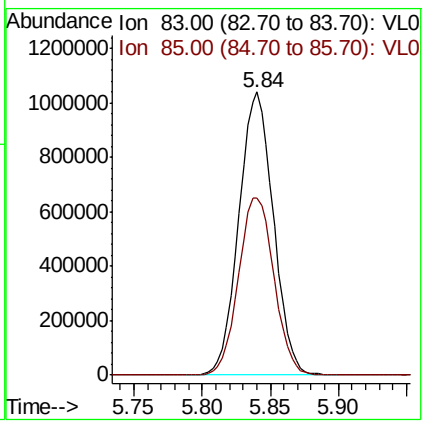


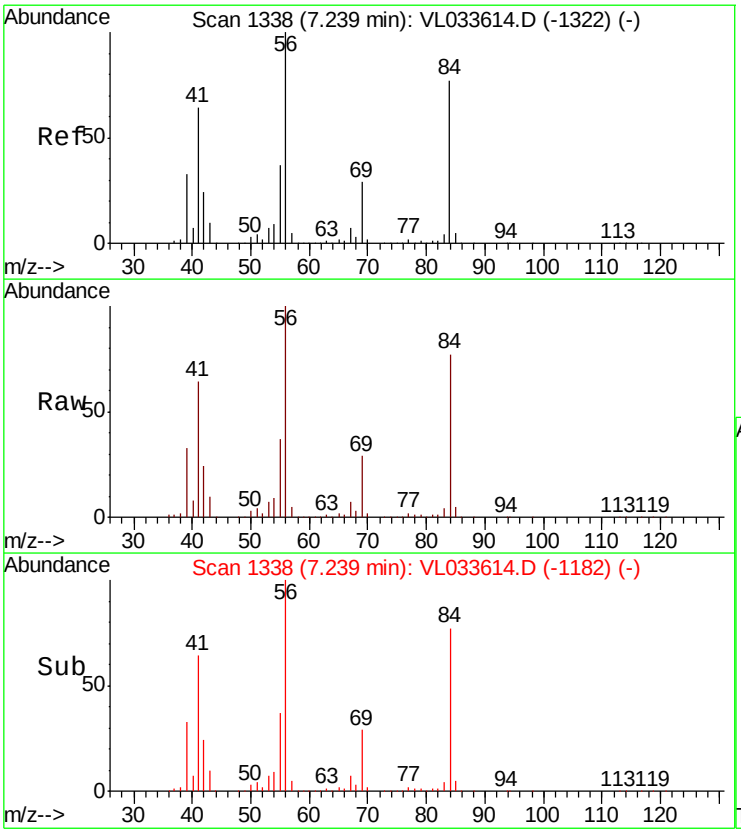
#29
Chloroform
Concen: 9.101 ppbv
RT: 5.84 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1828402

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.9	74.9

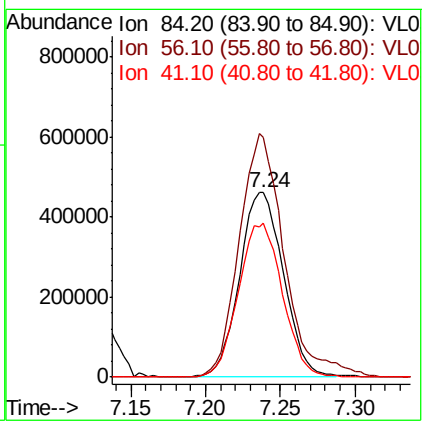


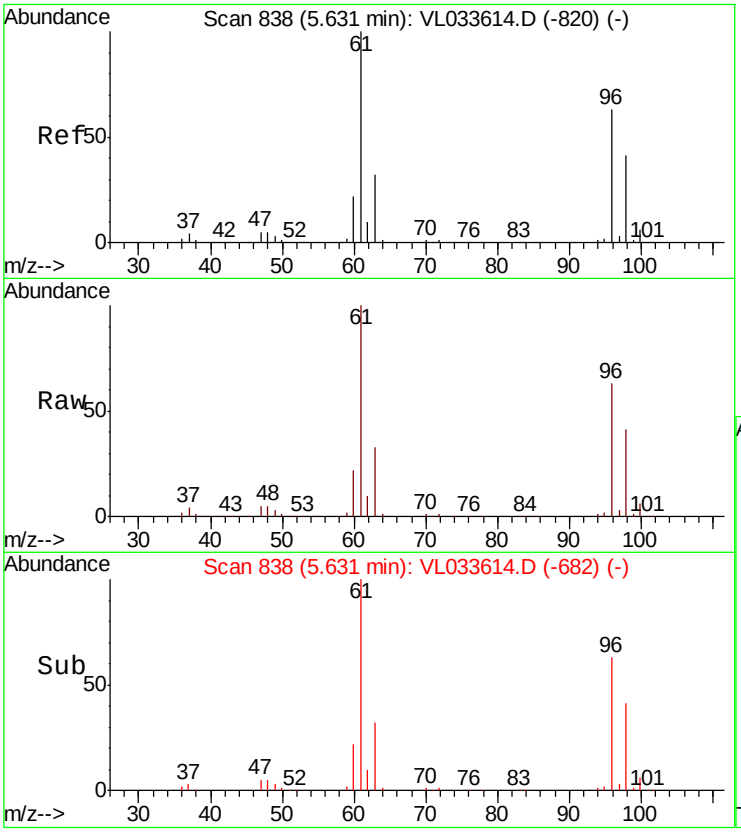


#30
Cyclohexane
Concen: 9.916 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 84 Resp: 942349

Ion	Ratio	Lower	Upper
84	100		
56	135.5	108.4	162.6
41	83.7	67.0	100.4



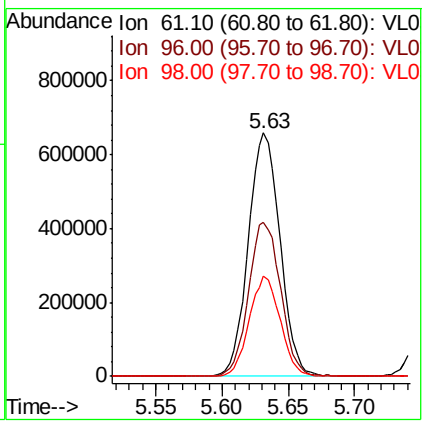


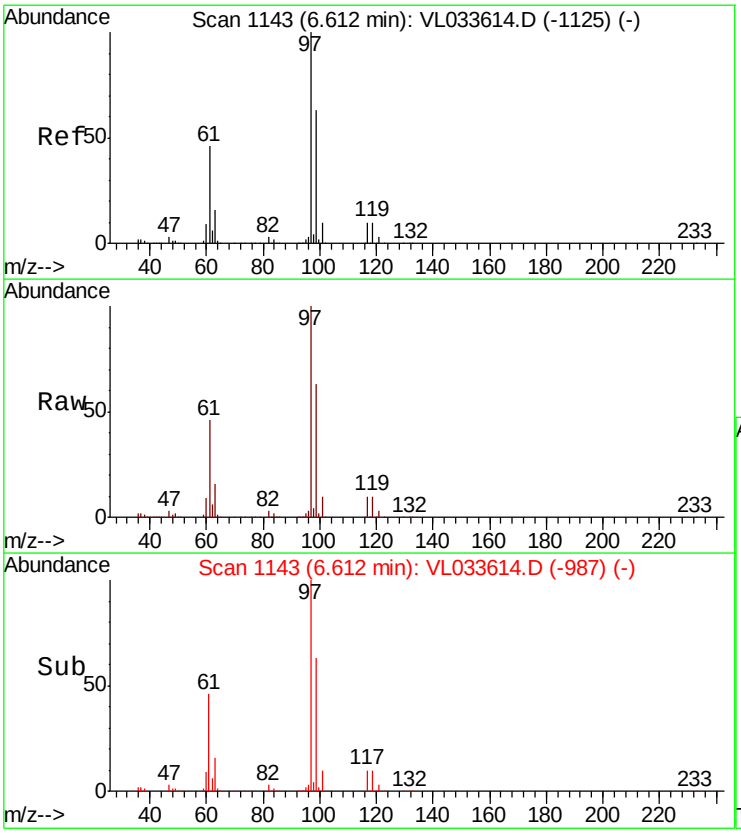
#31
cis-1,2-Dichloroethene
Concen: 9.948 ppbv
RT: 5.63 min Scan# 838
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1100897

Ion	Ratio	Lower	Upper
61	100		
96	63.3	50.6	76.0
98	41.0	32.8	49.2

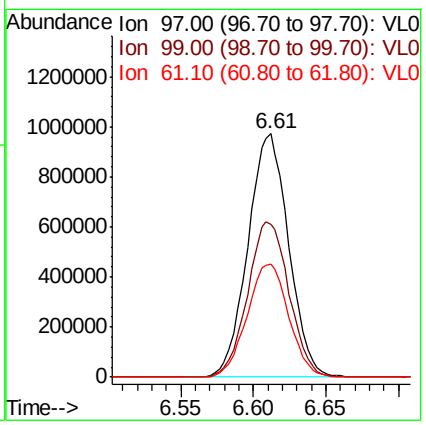


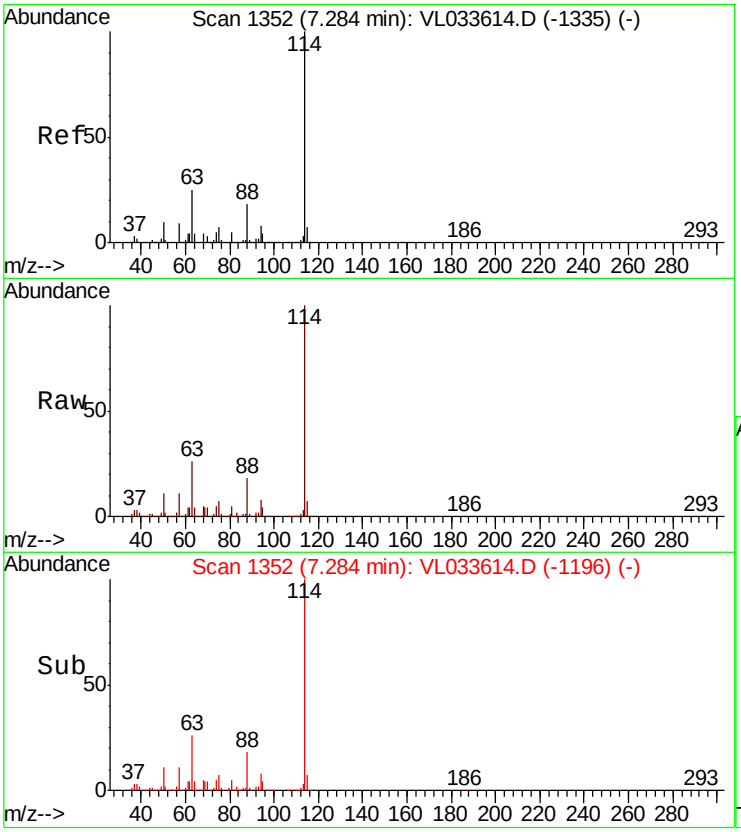


#32
1,1,1-Trichloroethane
Concen: 9.040 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 97 Resp: 1902524

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	47.6	38.2	57.2



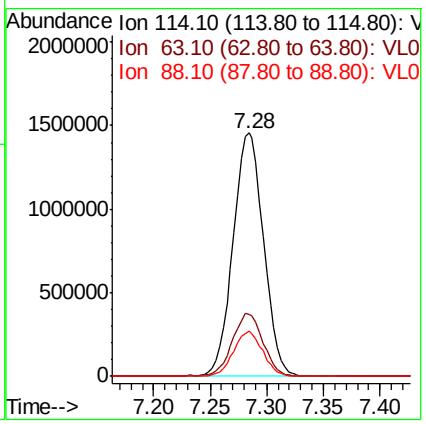


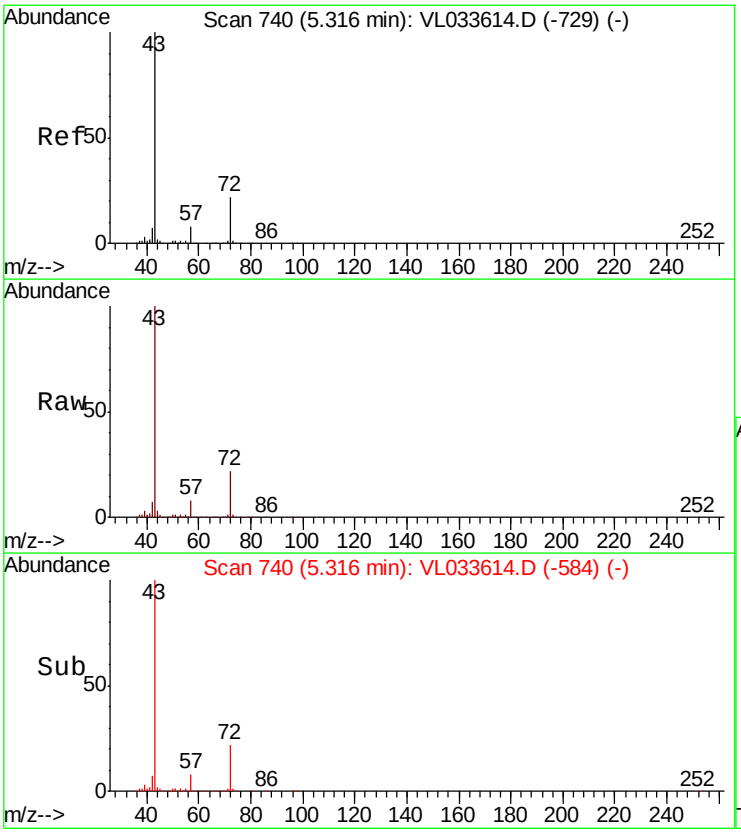
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2740188

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	17.8	14.2	21.4

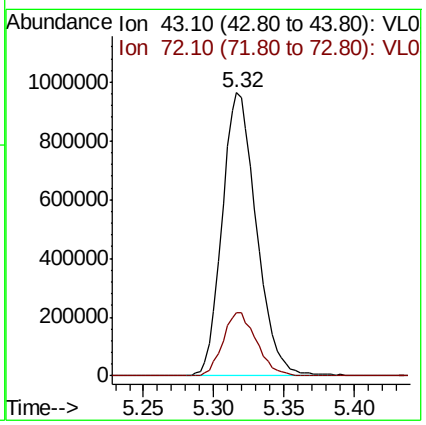


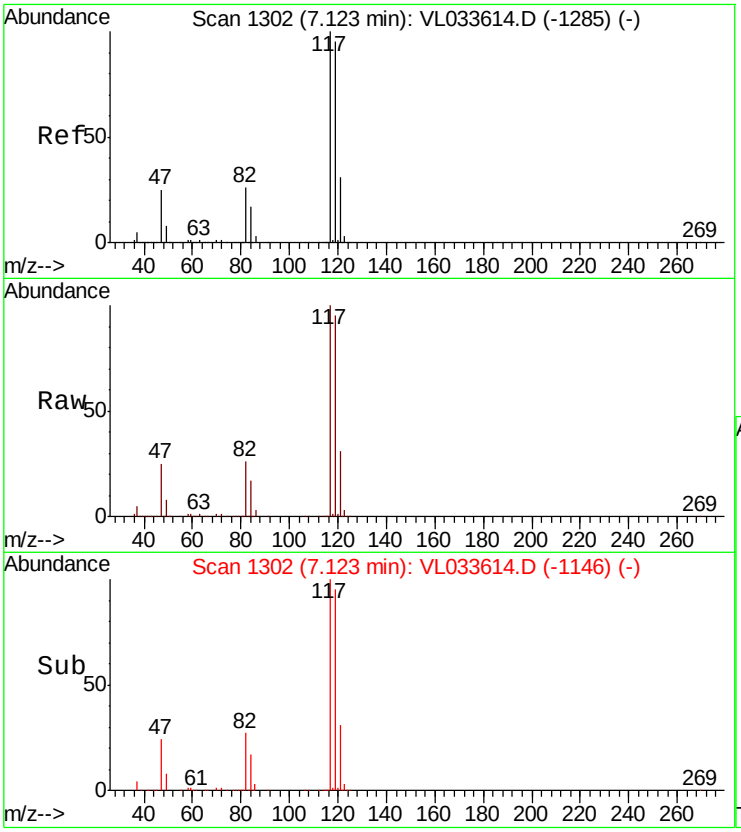


#34
2-Butanone
Concen: 9.661 ppbv
RT: 5.32 min Scan# 740
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 43 Resp: 1625221

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.8



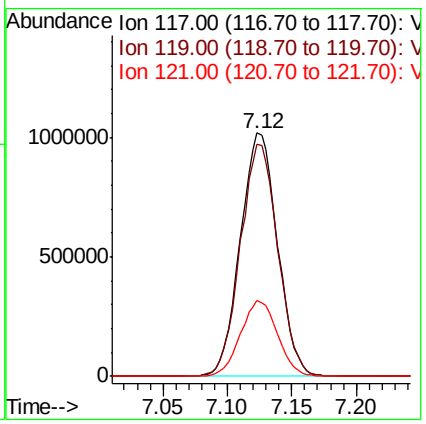


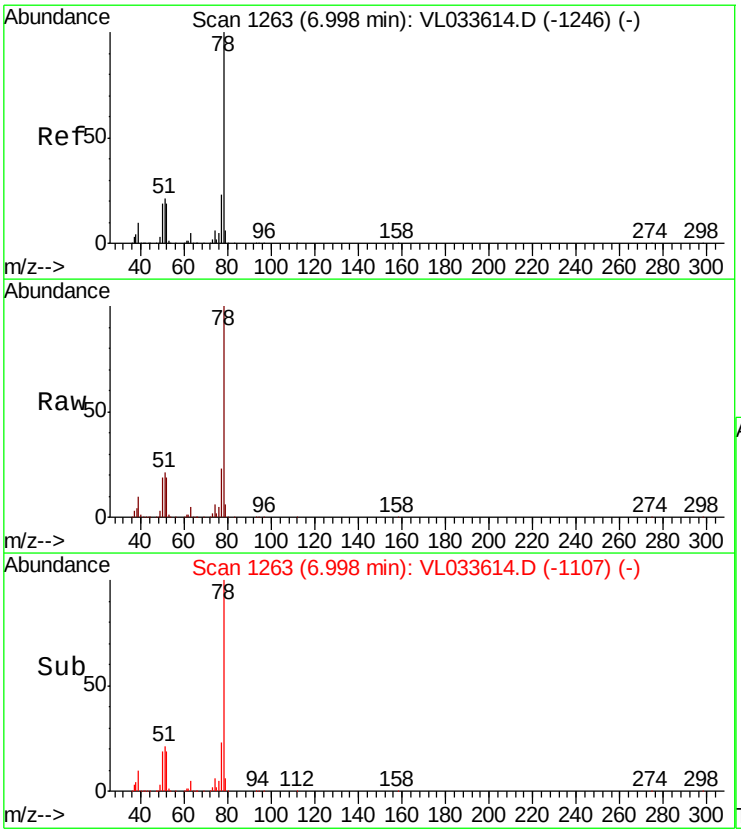
#35
Carbon Tetrachloride
Concen: 9.395 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2039441

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	31.1	24.9	37.3

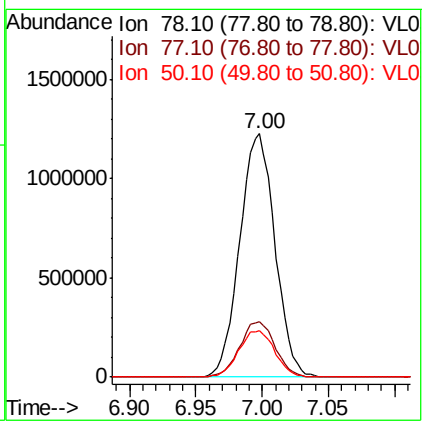


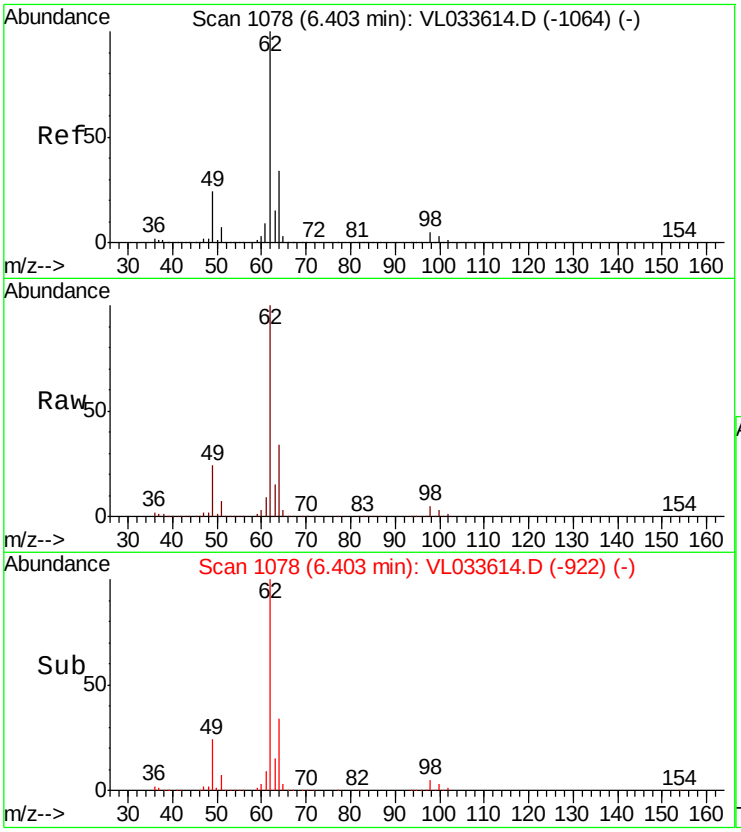


#36
Benzene
Concen: 9.734 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 78 Resp: 2272614

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	18.9	15.1	22.7



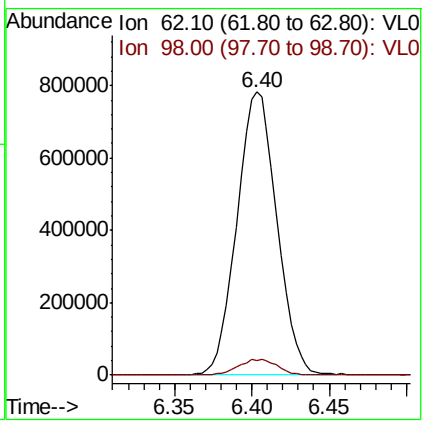


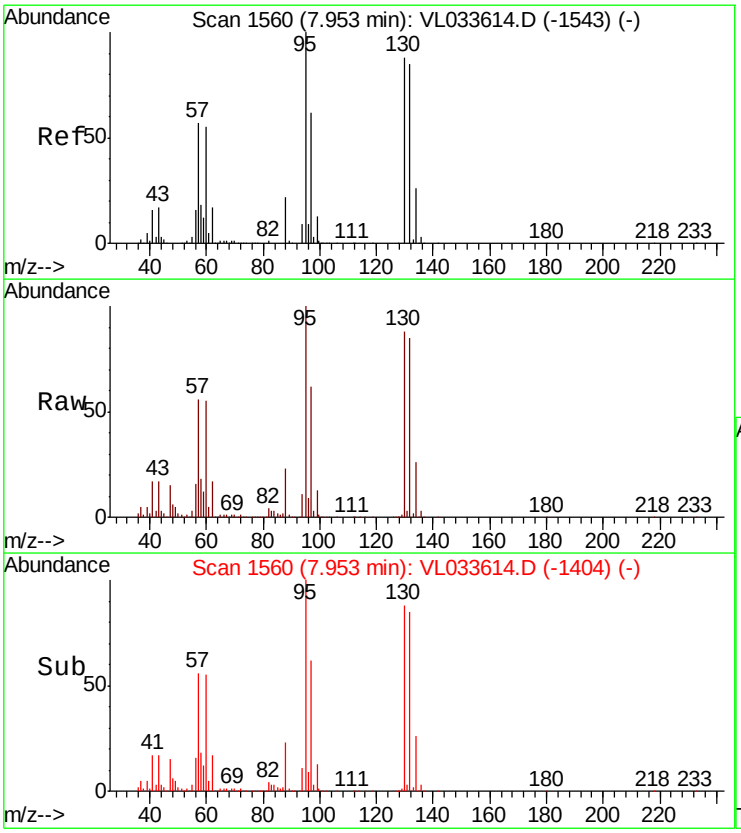
#37
1,2-Dichloroethane
Concen: 9.045 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1403302

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.4	6.6

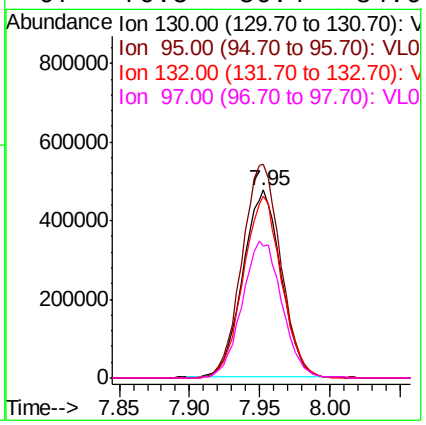


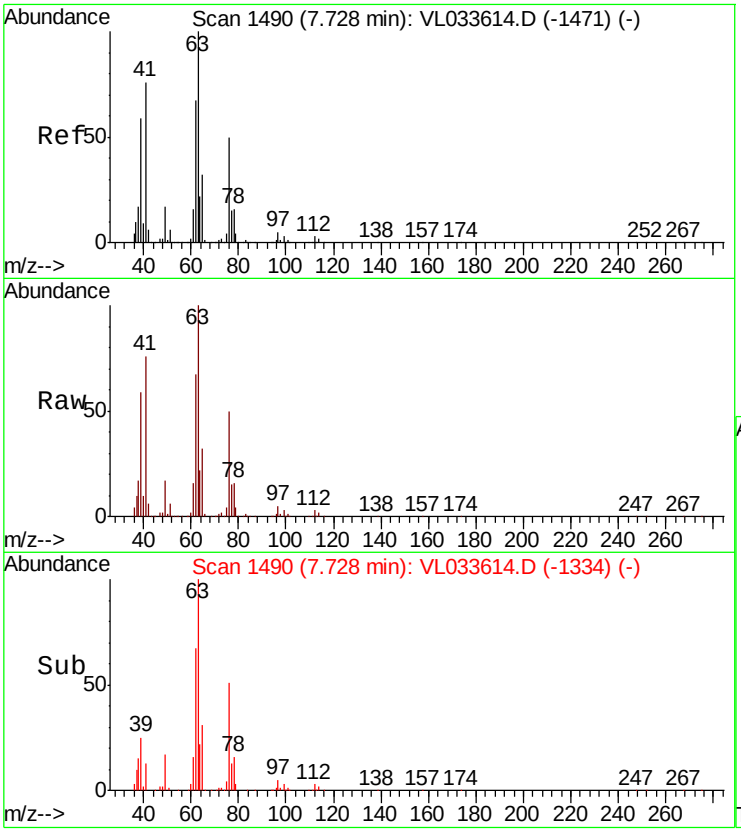


#38
Trichloroethene
Concen: 9.687 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:130 Resp: 906057

Ion	Ratio	Lower	Upper
130	100		
95	114.0	91.2	136.8
132	97.3	77.8	116.8
97	70.5	56.4	84.6



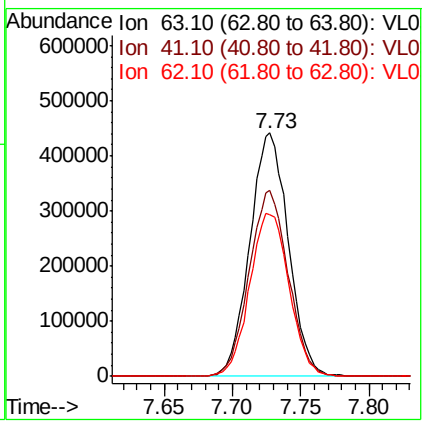


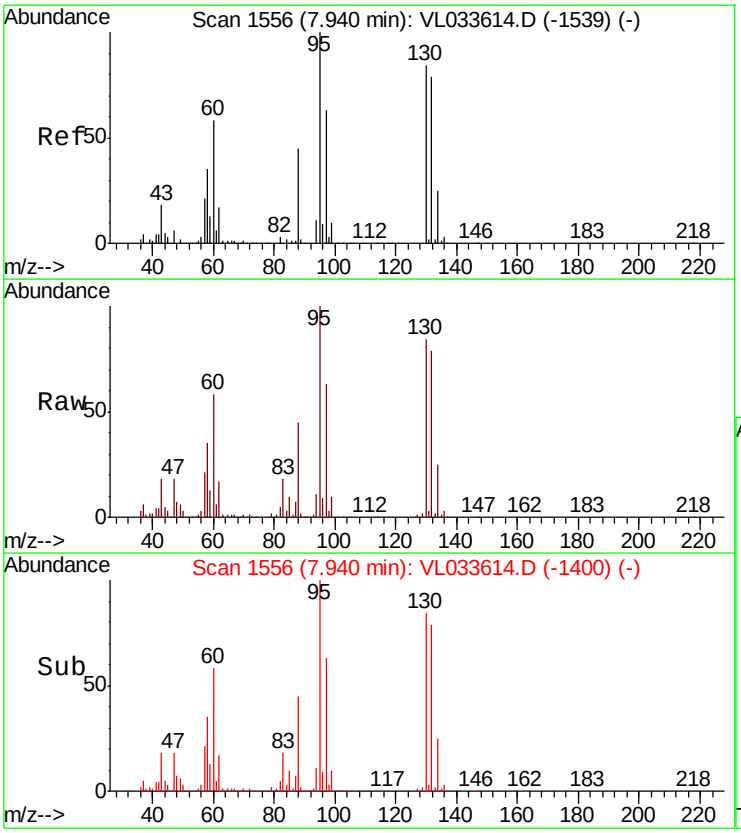
#39
1,2-Dichloropropane
Concen: 9.826 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 865132

Ion	Ratio	Lower	Upper
63	100		
41	76.1	60.9	91.3
62	66.6	53.3	79.9

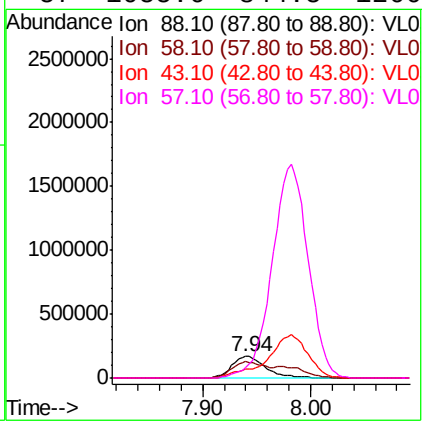


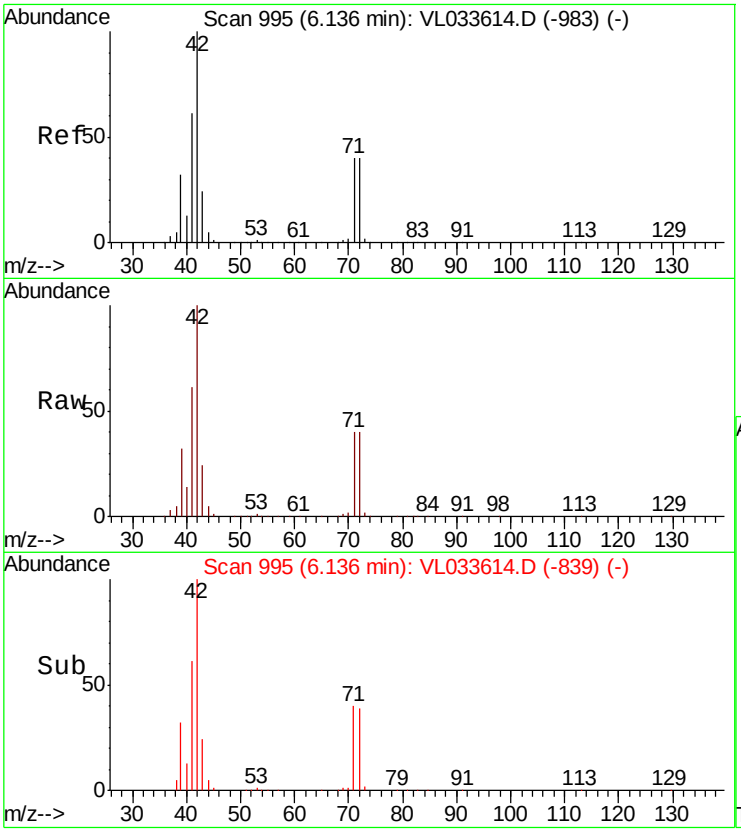


#40
1,4-Dioxane
Concen: 10.274 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 88 Resp: 367374

Ion	Ratio	Lower	Upper
88	100		
58	122.9	98.4	147.6
43	238.1	190.7	286.1
57	1055.6	844.5	1266.7



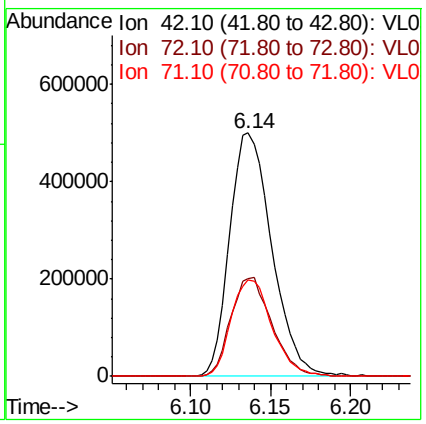


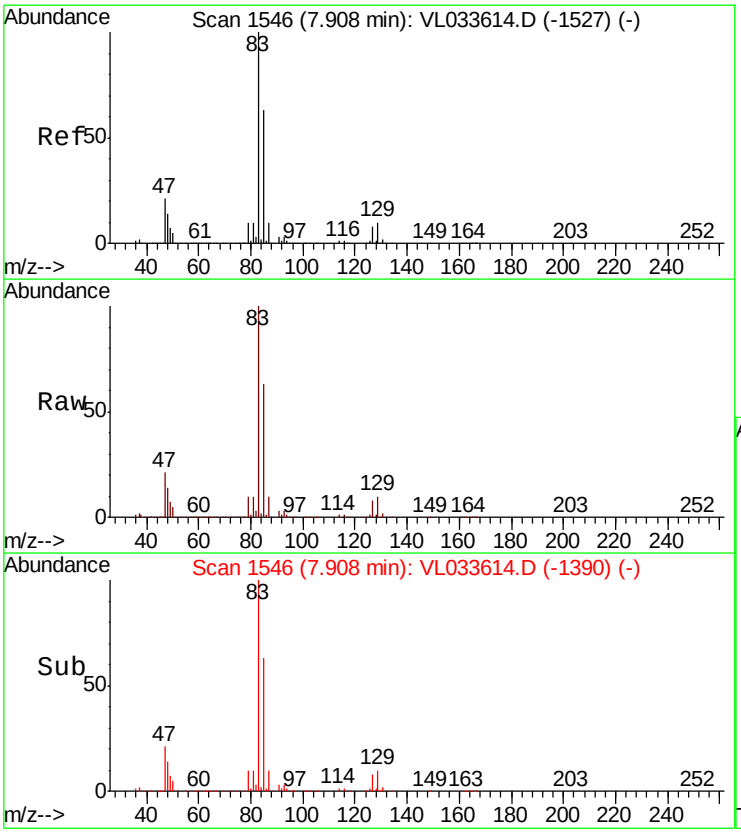
#41
Tetrahydrofuran
Concen: 10.017 ppbv
RT: 6.14 min Scan# 995
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 899934

Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.8	47.6
71	38.7	31.0	46.4

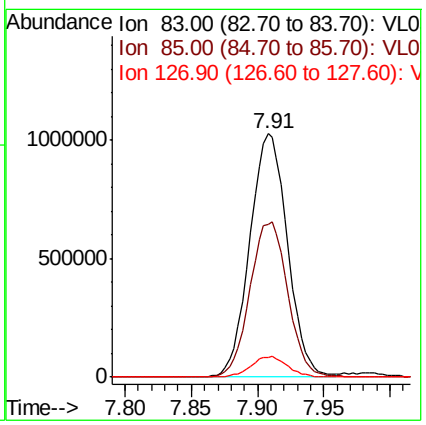


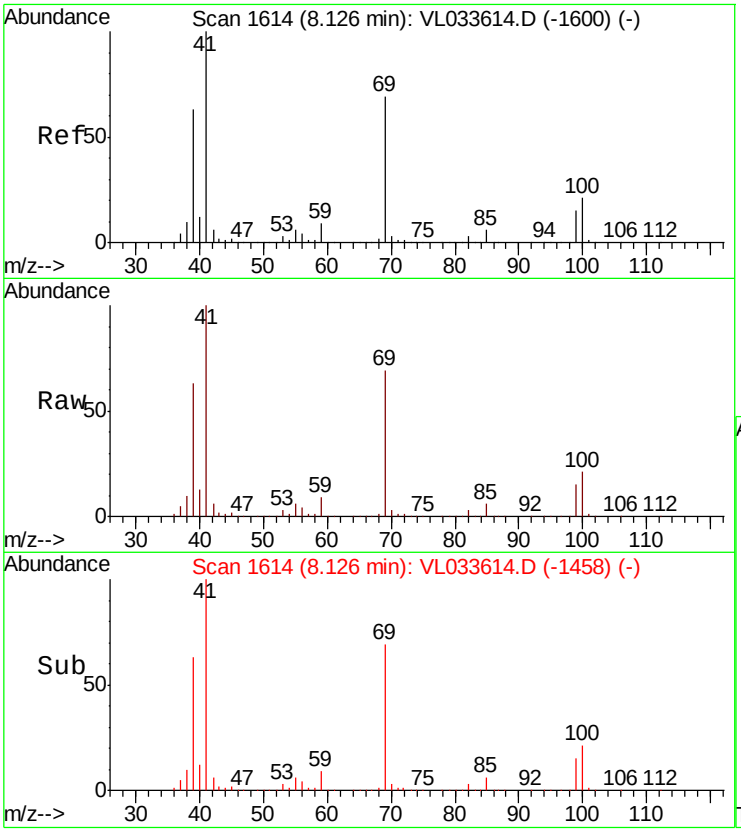


#42
Bromodichloromethane
Concen: 9.708 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 83 Resp: 2038243

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.1	6.5	9.7



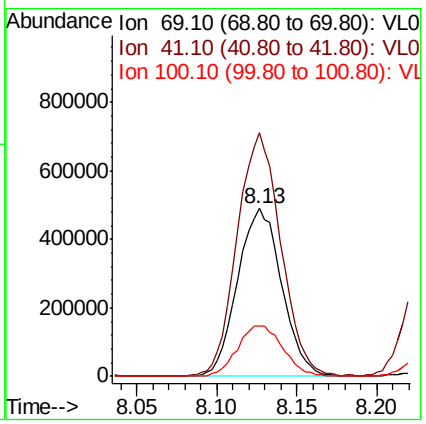


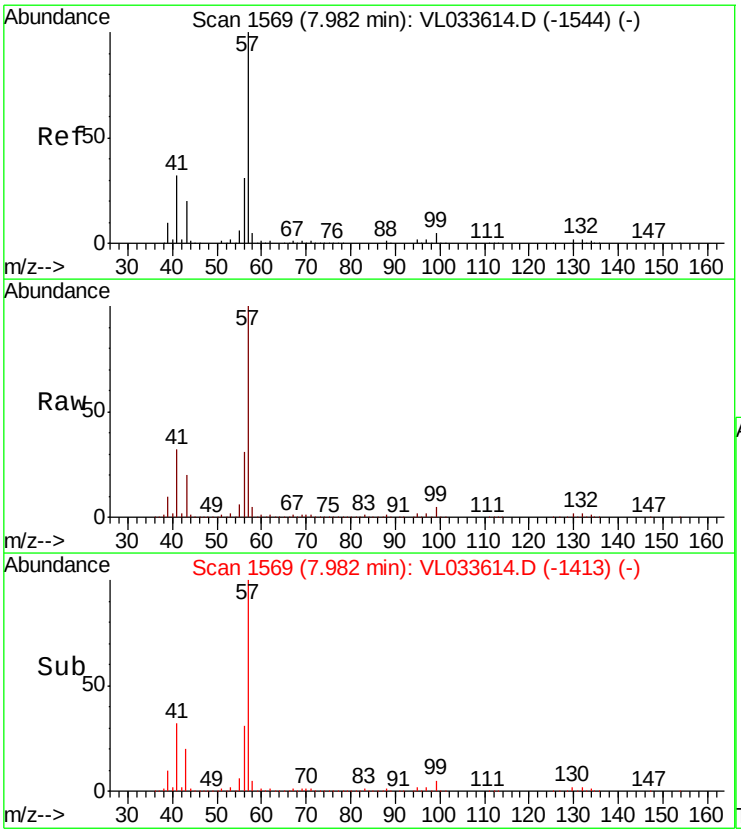
#43
Methyl Methacrylate
Concen: 10.471 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 925760

Ion	Ratio	Lower	Upper
69	100		
41	143.7	115.0	172.4
100	30.9	24.7	37.1

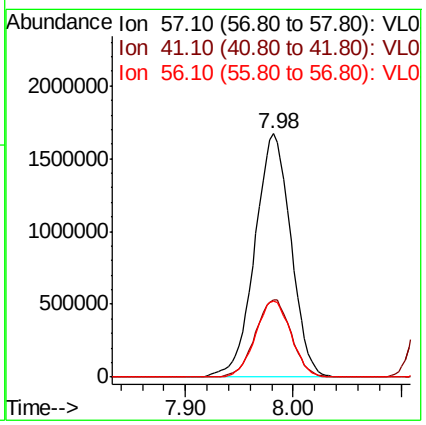


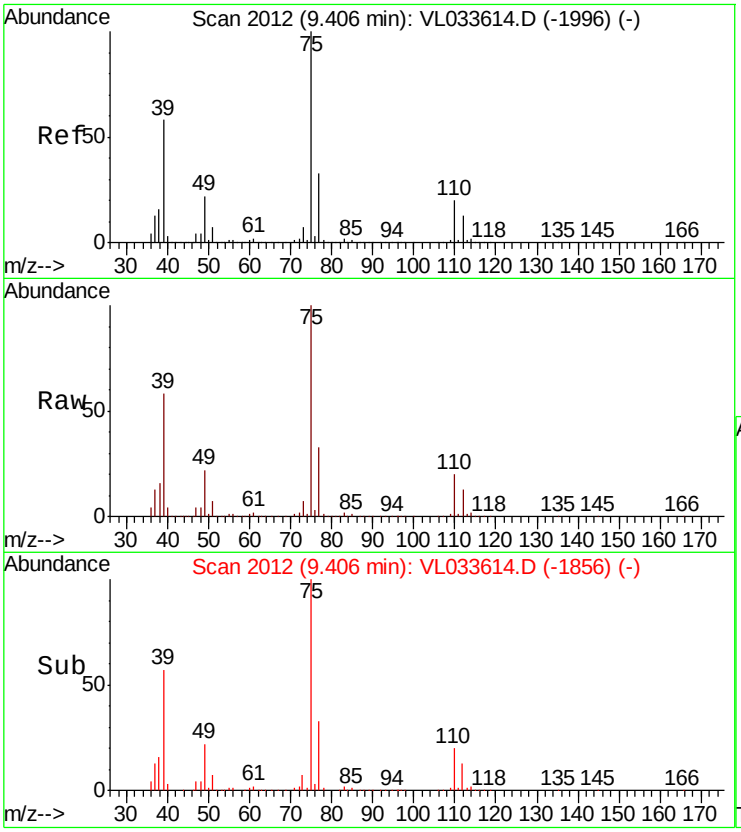


#44
2,2,4-Trimethylpentane
Concen: 9.519 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 57 Resp: 3873202

Ion	Ratio	Lower	Upper
57	100		
41	31.8	25.4	38.2
56	30.8	24.6	37.0



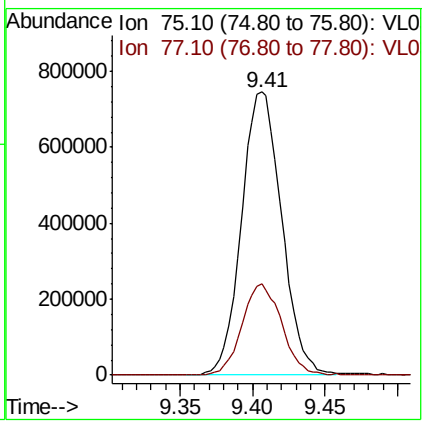


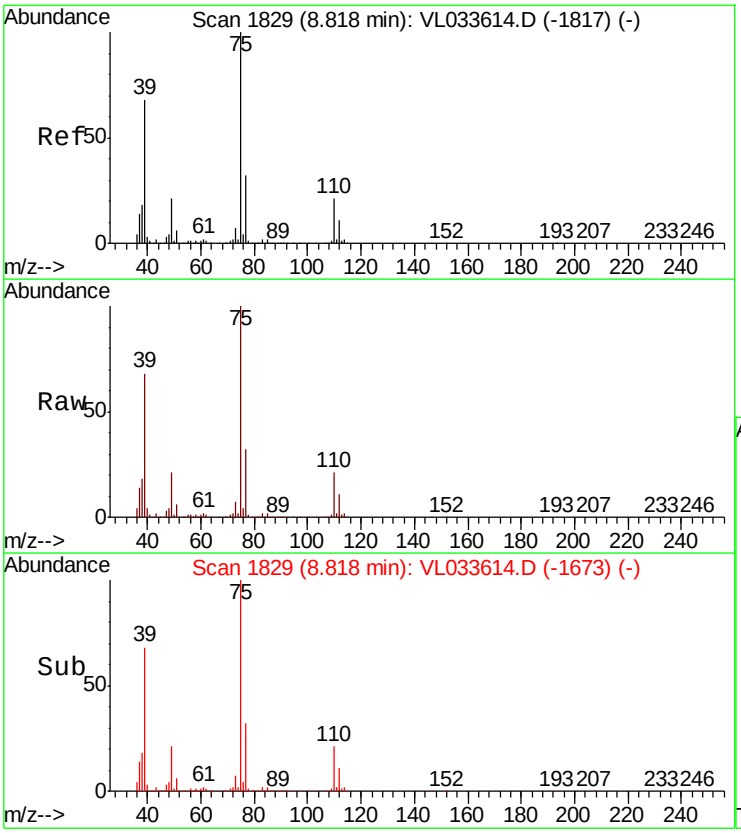
#45
t-1,3-Dichloropropene
Concen: 12.234 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1436290

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

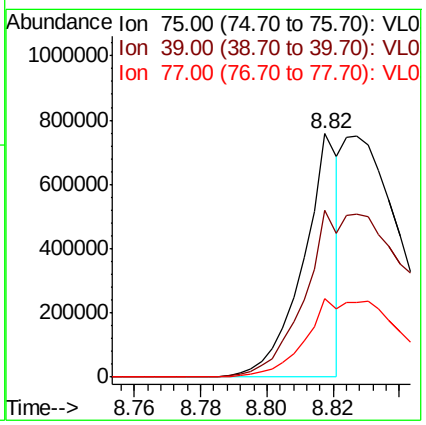


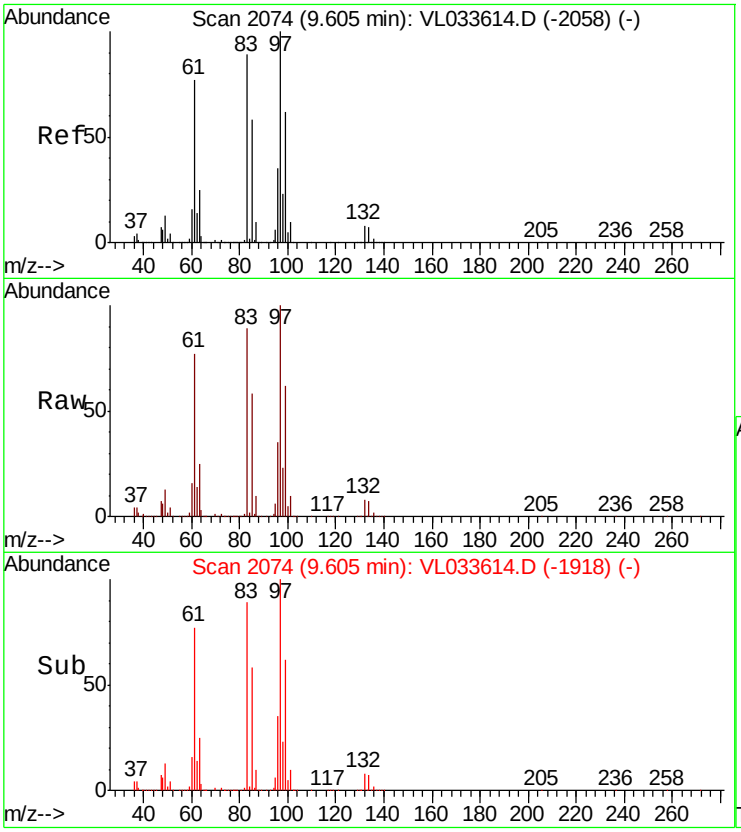


#46
cis-1,3-Dichloropropene
Concen: 4.257 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 75 Resp: 563757

Ion	Ratio	Lower	Upper
75	100		
39	68.3	54.6	82.0
77	32.1	25.7	38.5



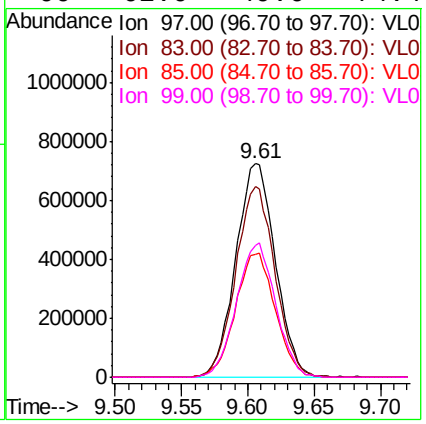


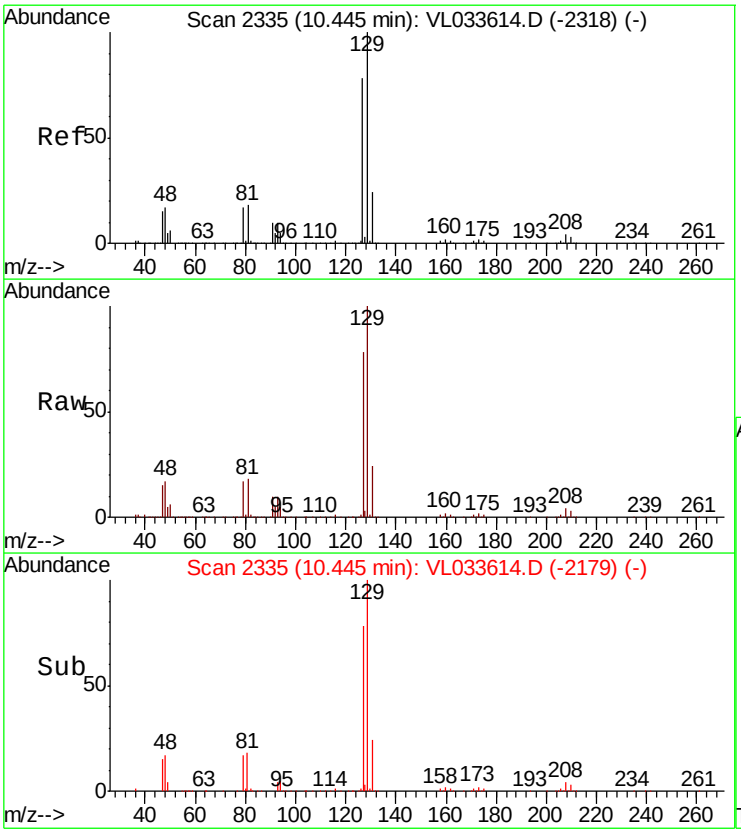
#47
1,1,2-Trichloroethane
Concen: 13.070 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1500837

Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.4	107.0
85	57.5	46.0	69.0
99	62.0	49.6	74.4

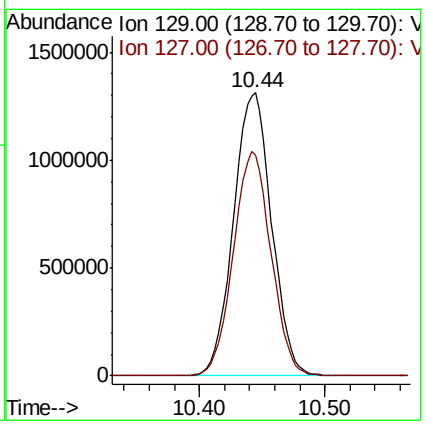


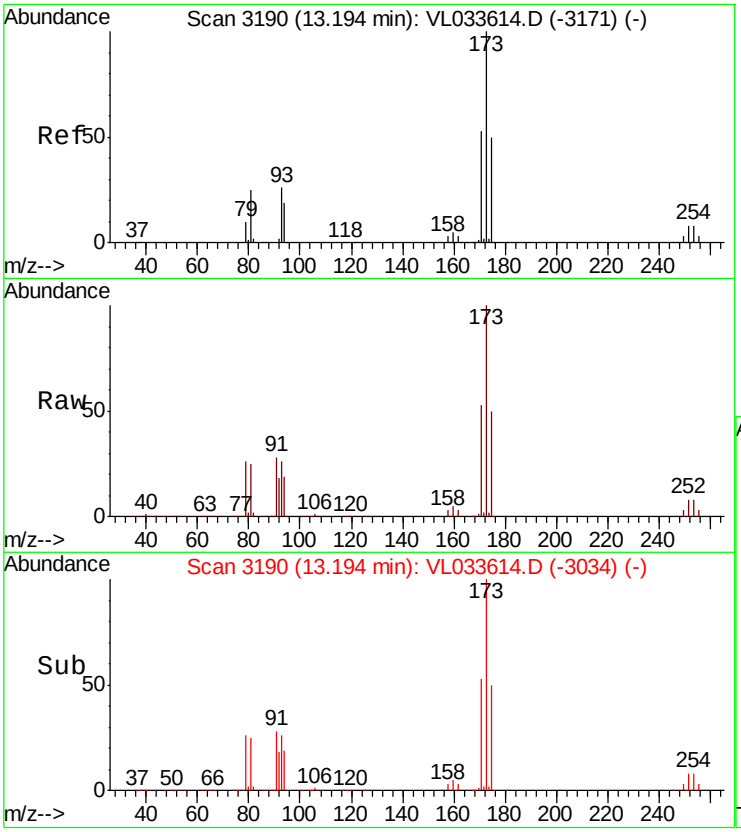


#48
Dibromochloromethane
Concen: 14.263 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:129 Resp: 2771374

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.2	117.6



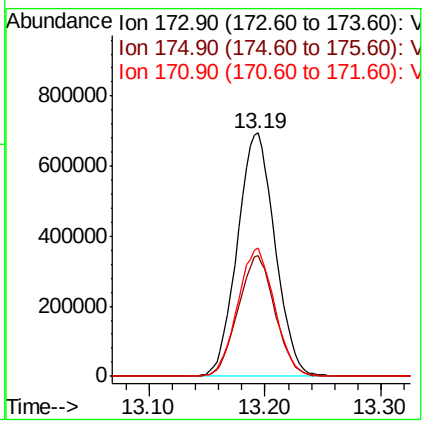


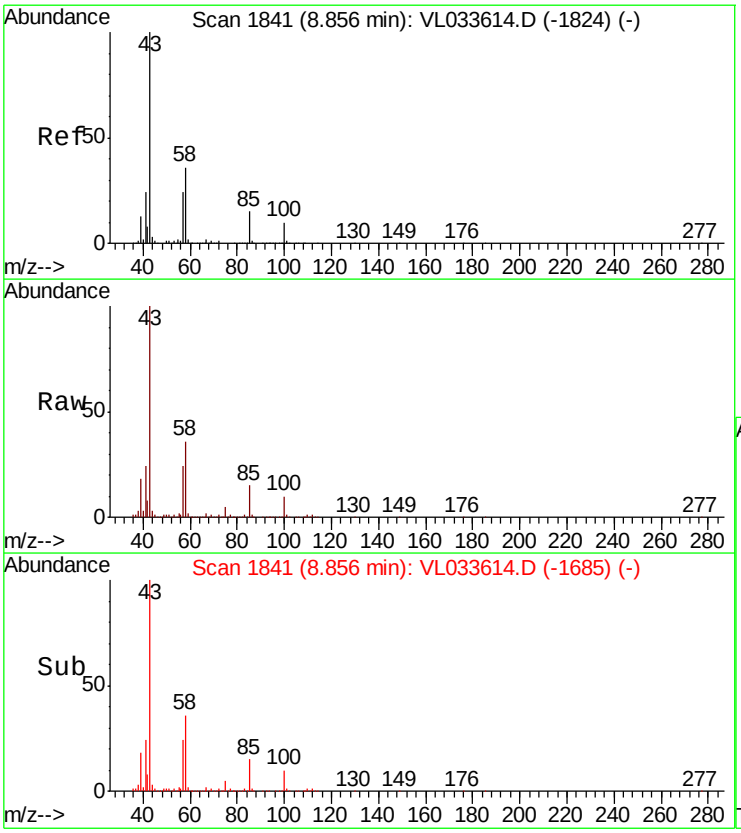
#49
Bromoform
Concen: 10.486 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1561379

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
171	52.1	41.6	62.4

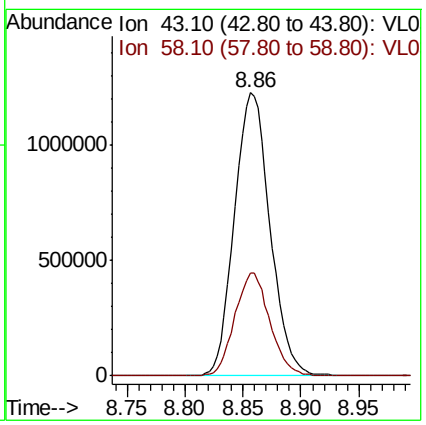


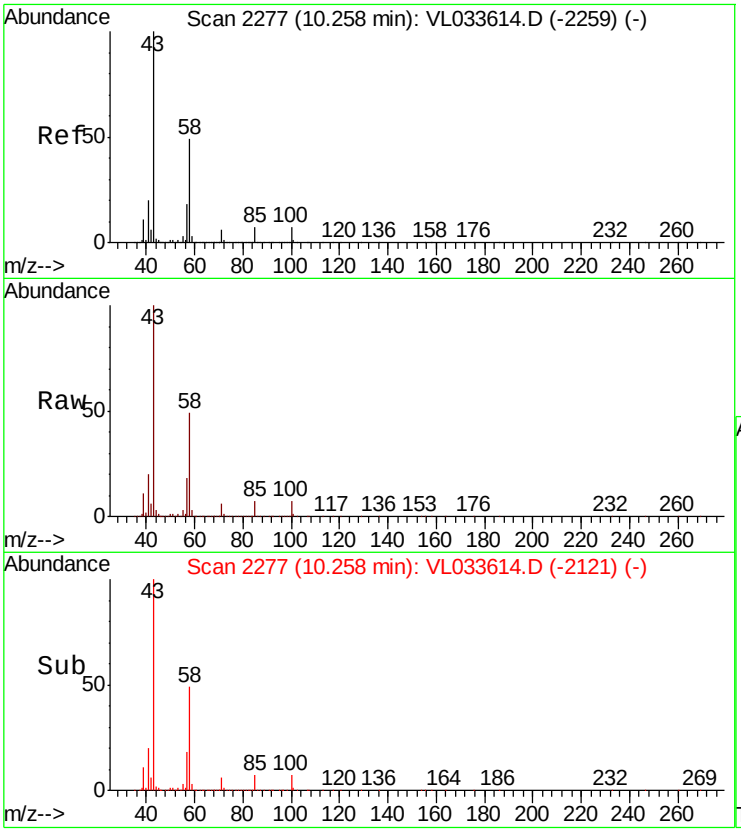


#50
4-Methyl-2-Pentanone
Concen: 9.959 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 43 Resp: 2625171

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8



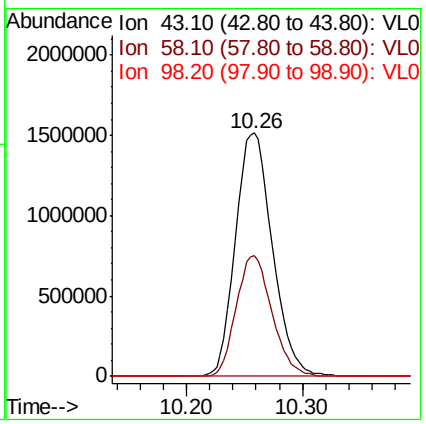


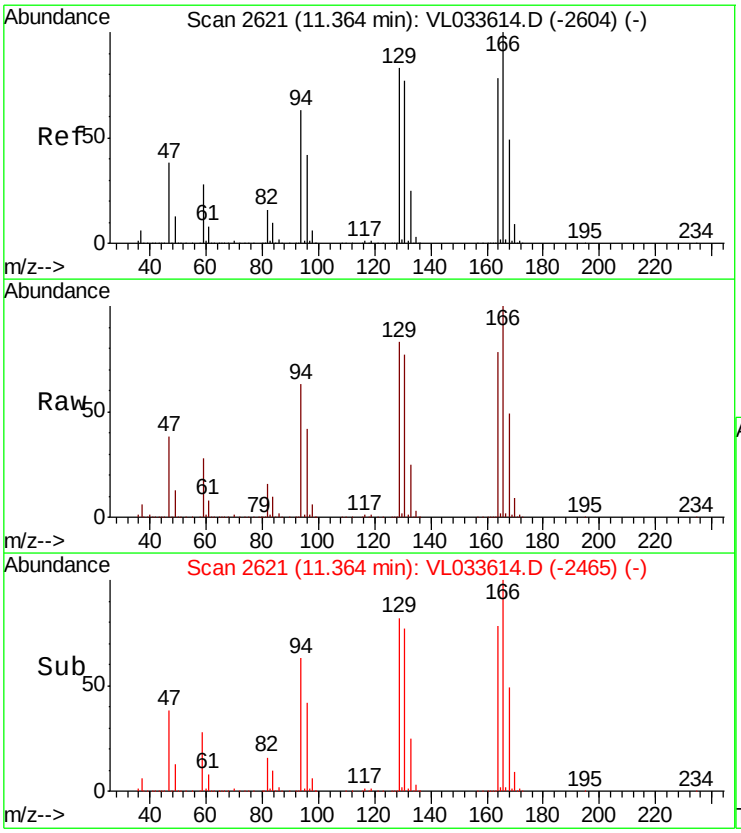
#51
2-Hexanone
Concen: 14.464 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3347315

Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.5	57.7
98	0.4	0.3	0.5

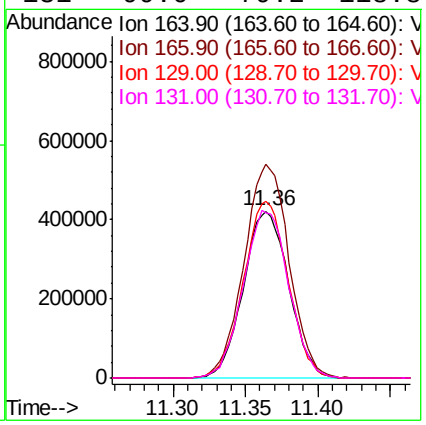


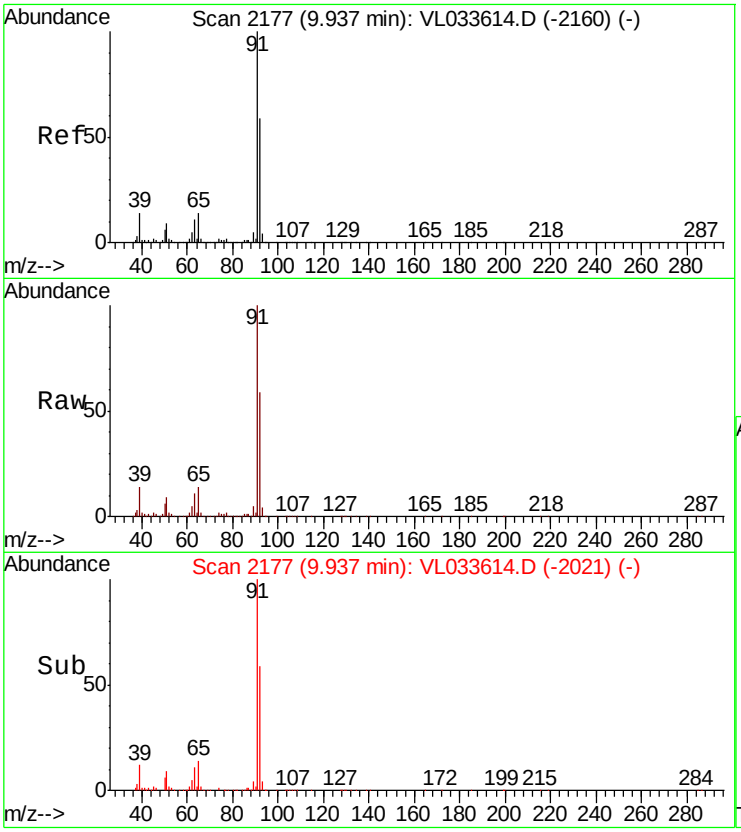


#52
Tetrachloroethene
Concen: 10.210 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:164 Resp: 916613

Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	105.5	84.4	126.6
131	99.0	79.2	118.8



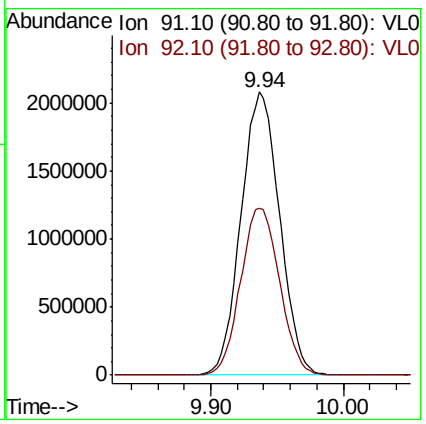


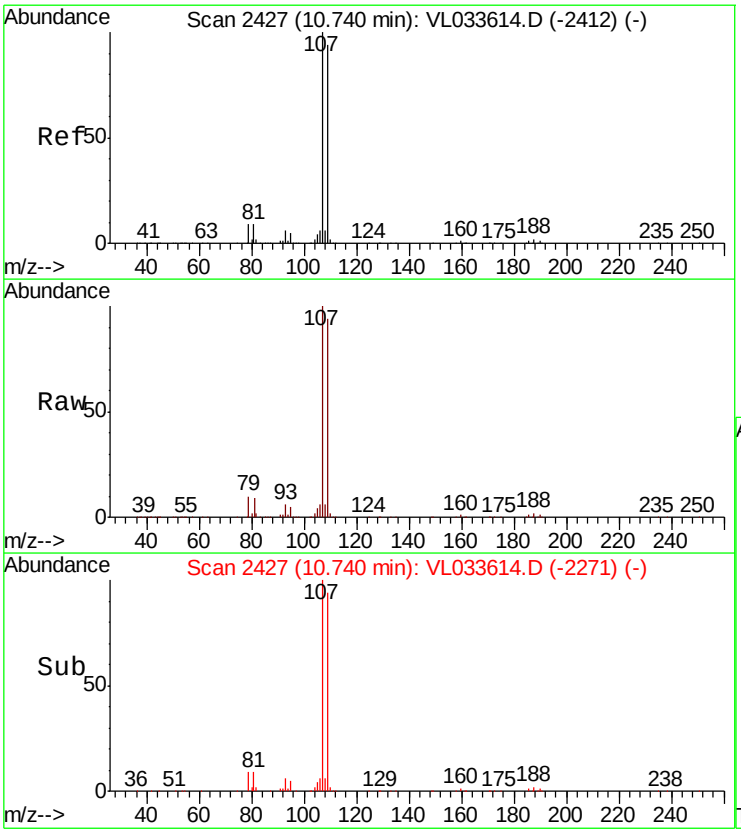
#53
Toluene
Concen: 14.277 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 4206515

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.8	71.6

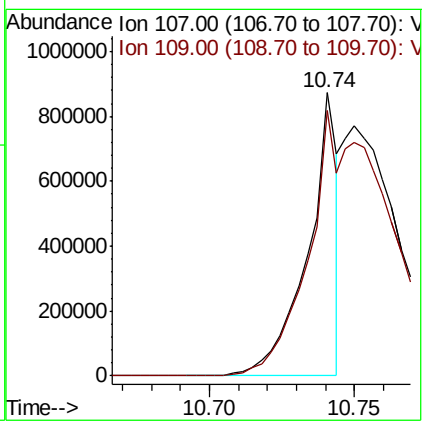


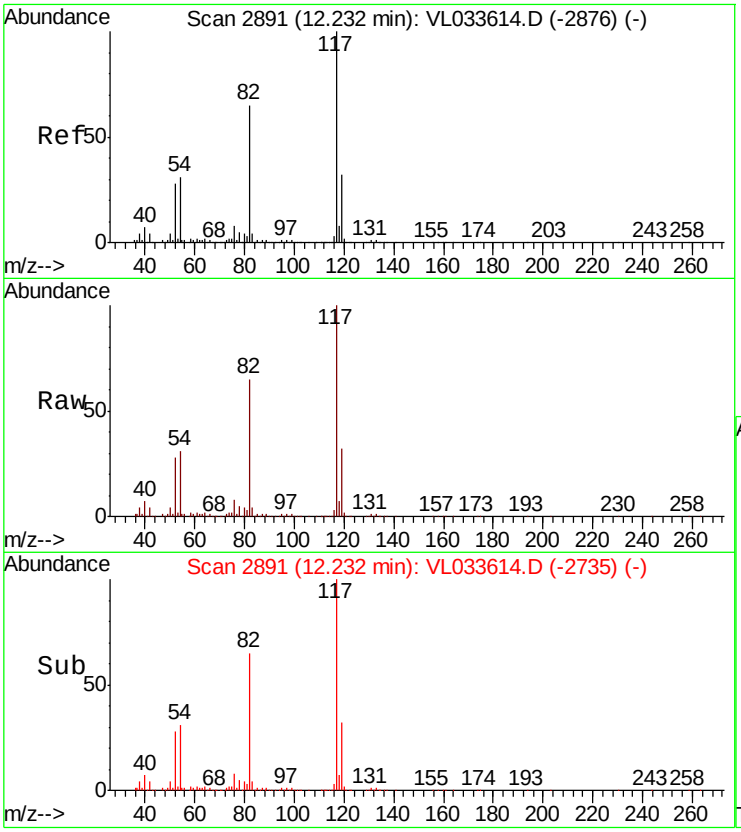


#54
1,2-Dibromoethane
Concen: 3.905 ppbv
RT: 10.74 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:107 Resp: 616509

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.1	112.7



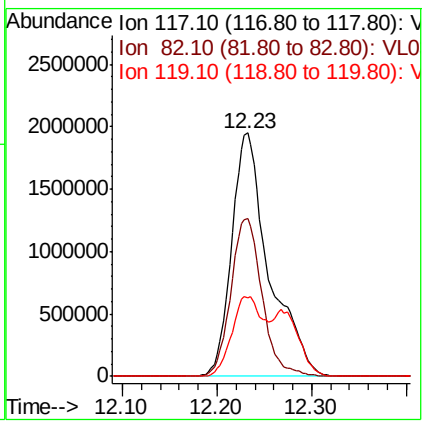


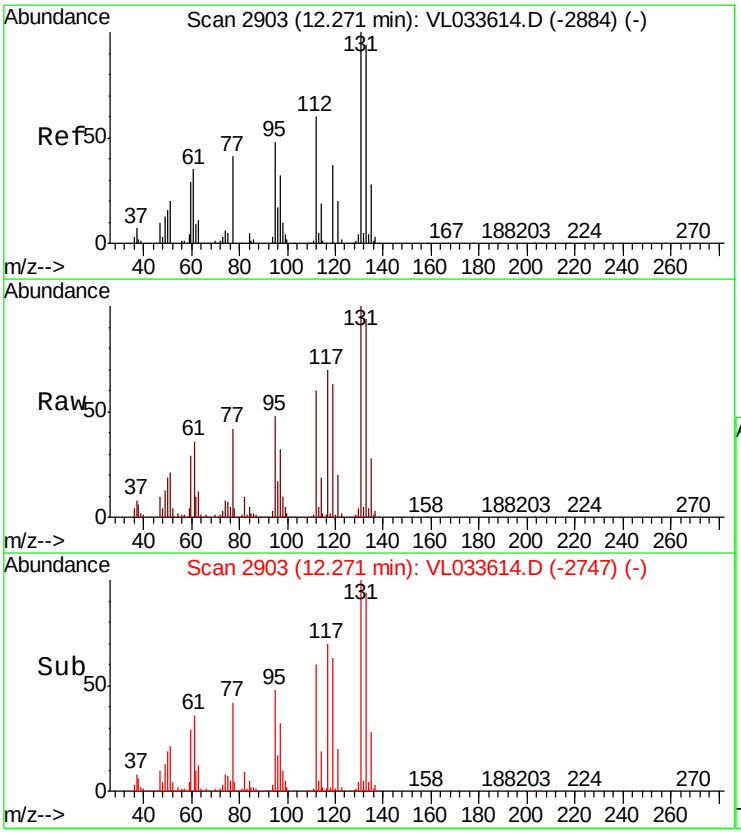
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 5347644

Ion	Ratio	Lower	Upper
117	100		
82	54.3	52.6	78.8
119	27.7	28.3	42.5#

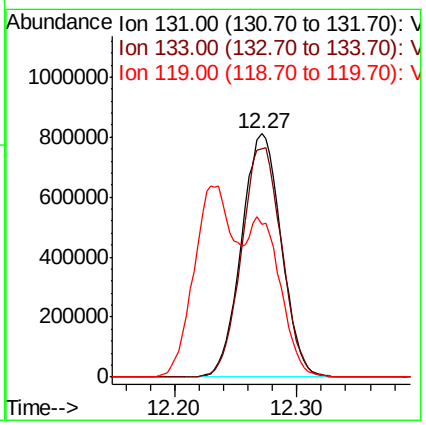


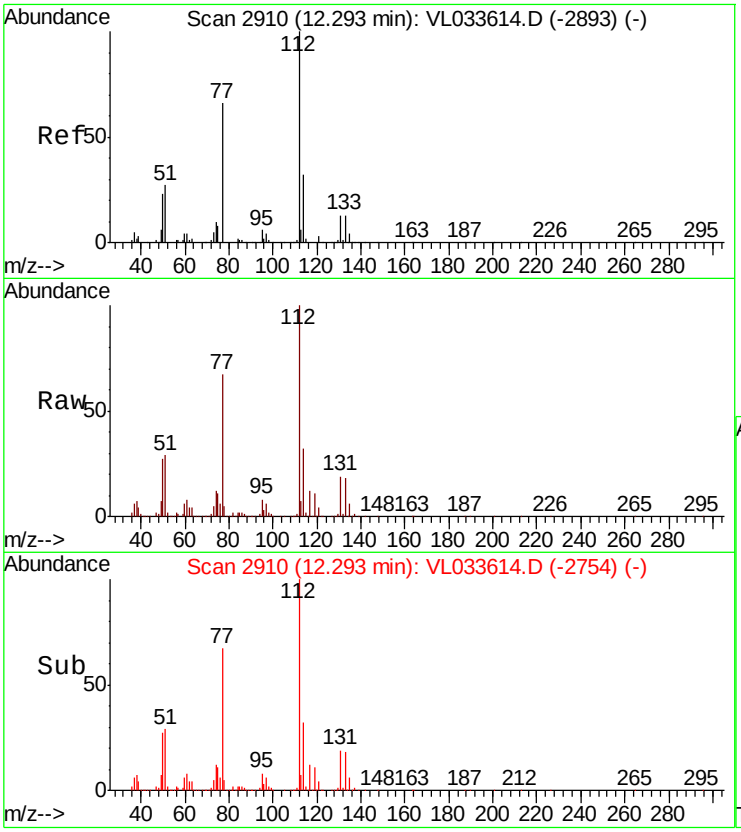


#56
1,1,1,2-Tetrachloroethane
Concen: 7.820 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:131 Resp: 1826186

Ion	Ratio	Lower	Upper
131	100		
133	95.6	76.4	114.6
119	137.0	40.9	61.3#



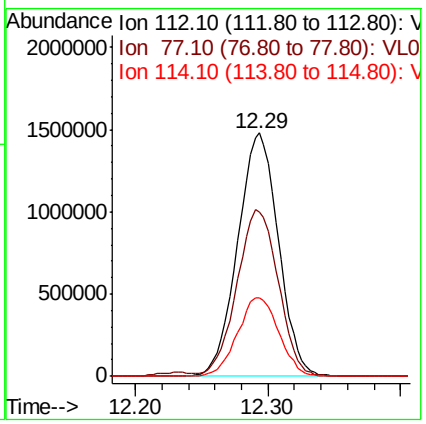


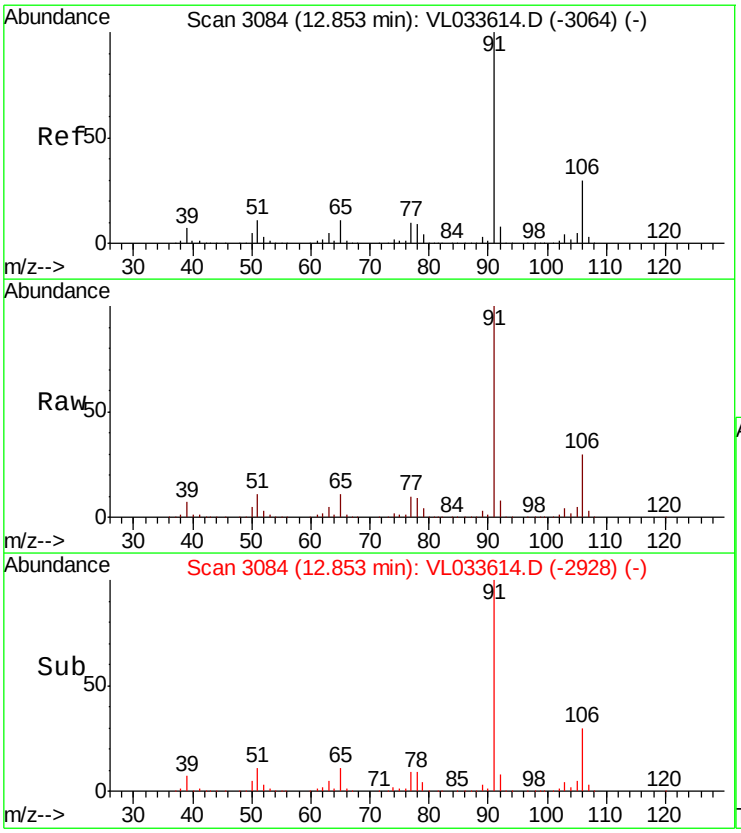
#57
Chlorobenzene
Concen: 7.591 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 3157065

Ion	Ratio	Lower	Upper
112	100		
77	67.0	53.6	80.4
114	32.3	29.1	35.5

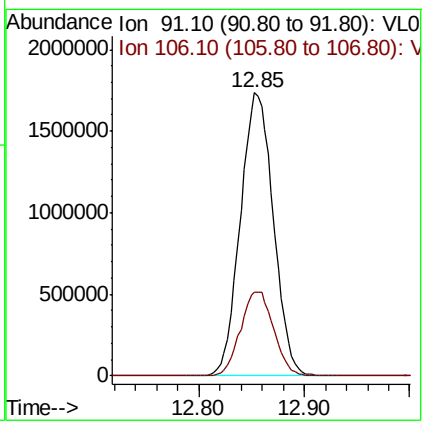


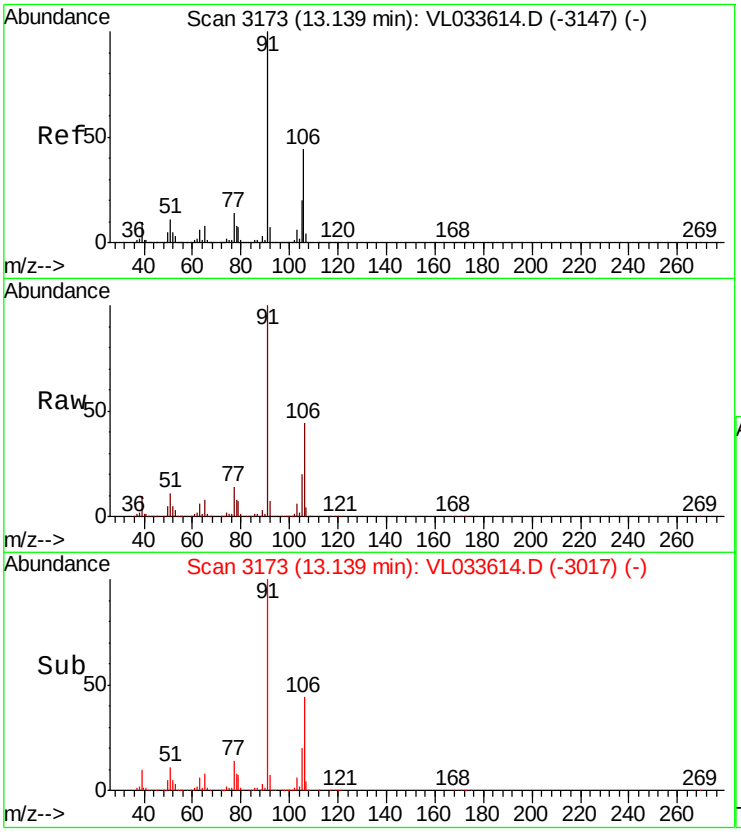


#58
Ethyl Benzene
Concen: 6.074 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 91 Resp: 3780231

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.6	35.4



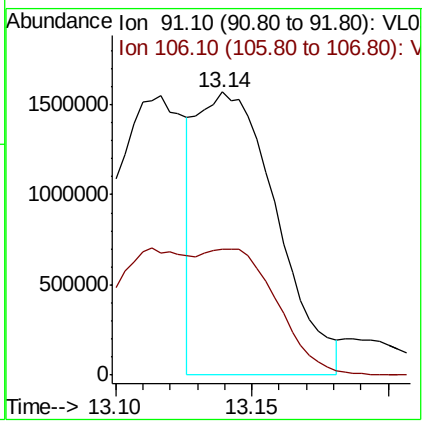


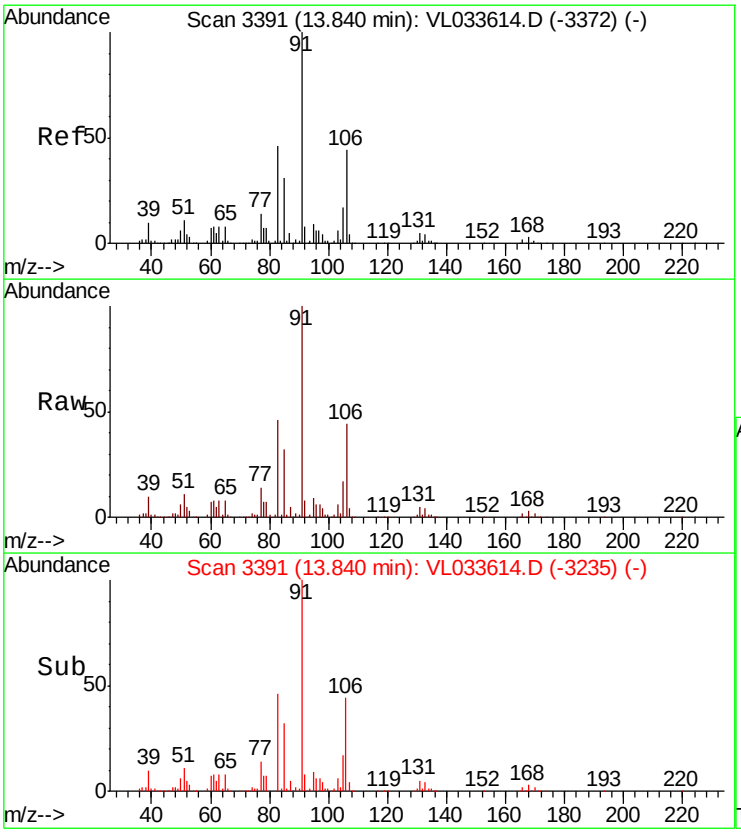
#59
m/p-Xylene
Concen: 5.913 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3180783

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

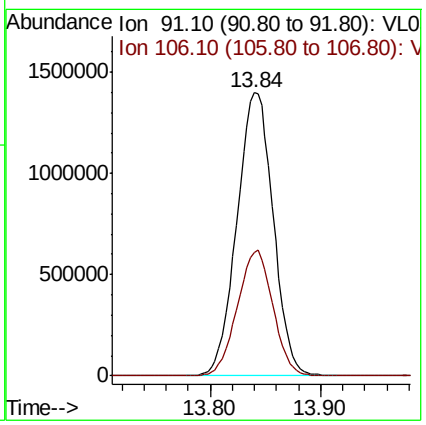


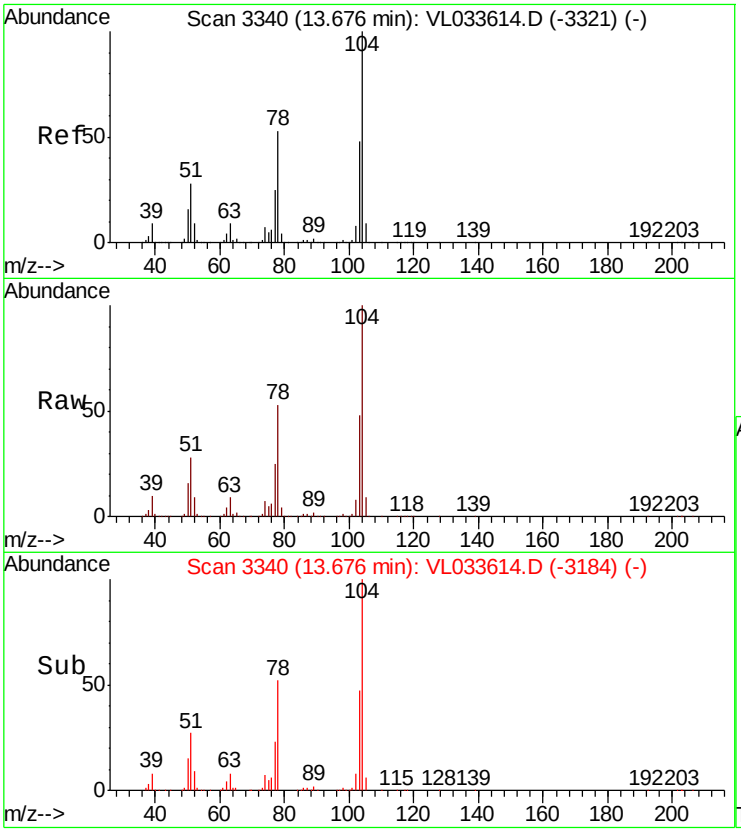


#60
o-Xylene
Concen: 5.884 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 91 Resp: 3181185

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.8	65.4



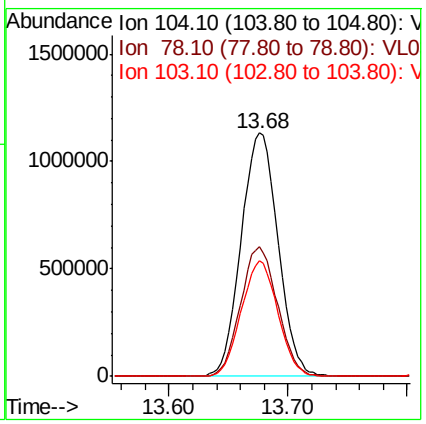


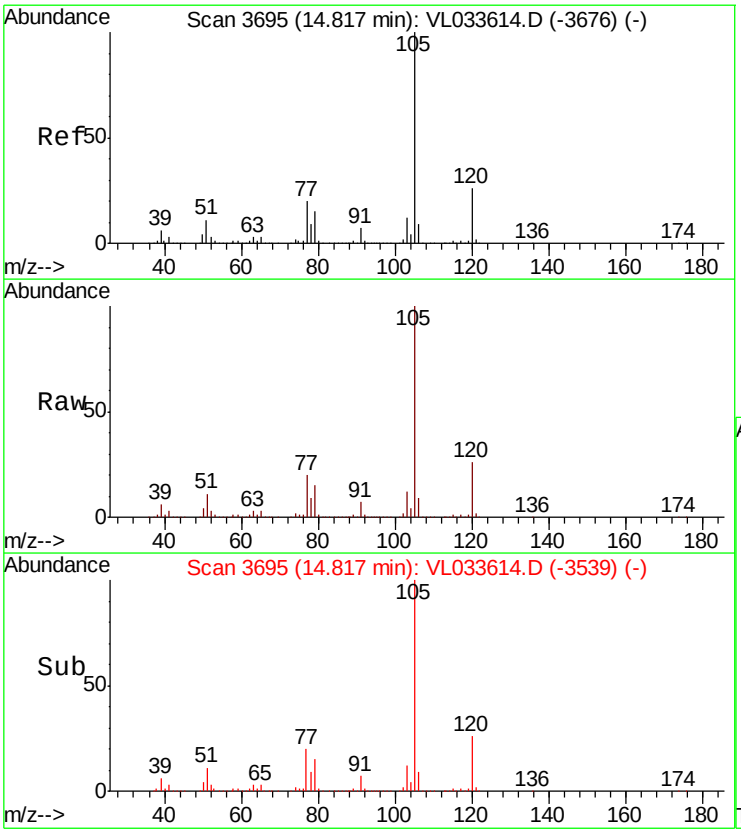
#61
Styrene
Concen: 6.579 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2434004

Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.7	64.1
103	47.0	37.8	56.6

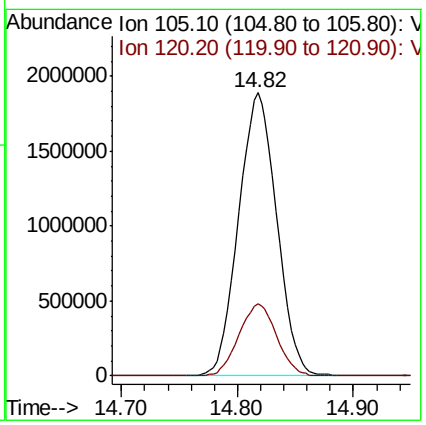


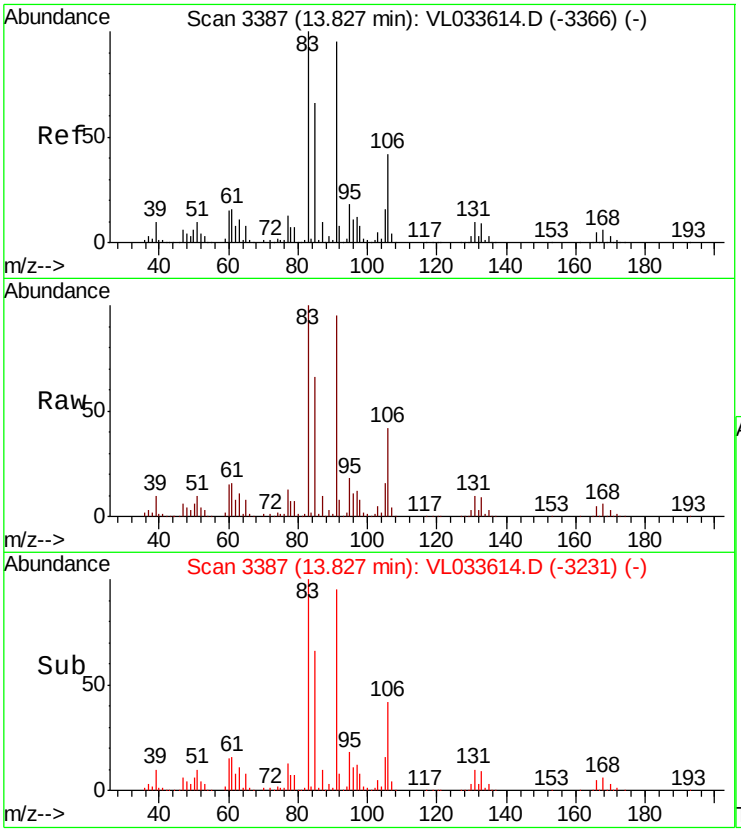


#62
Isopropylbenzene
Concen: 5.965 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:105 Resp: 4310249

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5



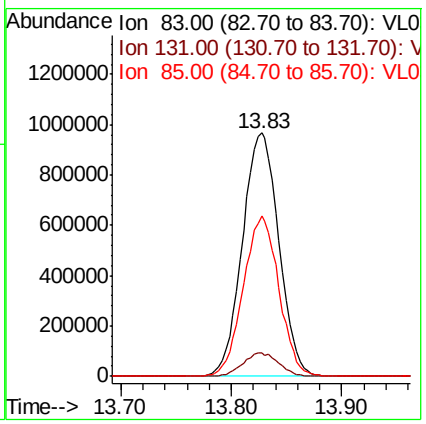


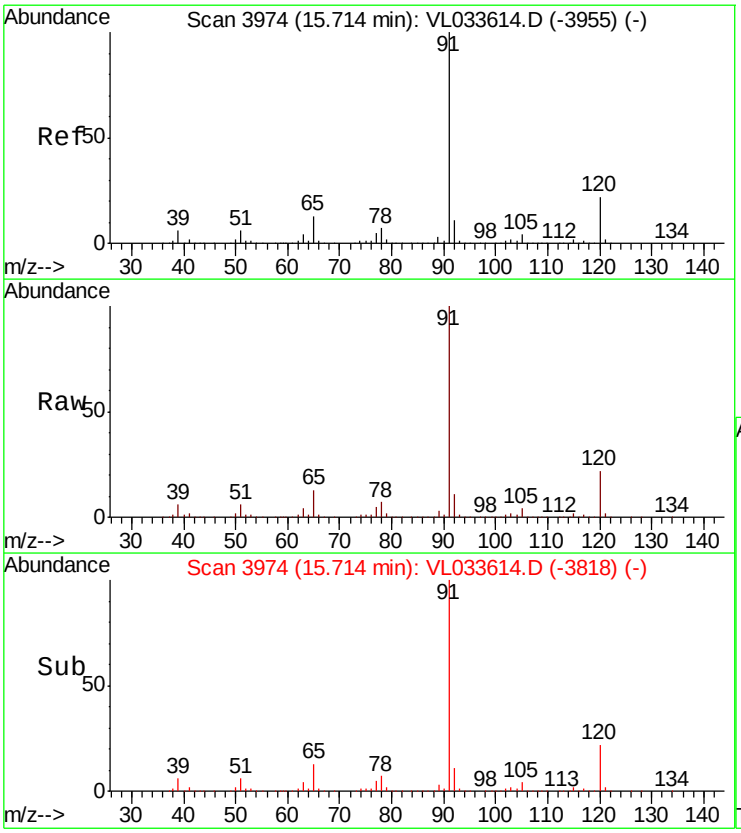
#63
1,1,2,2-Tetrachloroethane
Concen: 5.230 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2214496

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.5	32.3	96.8

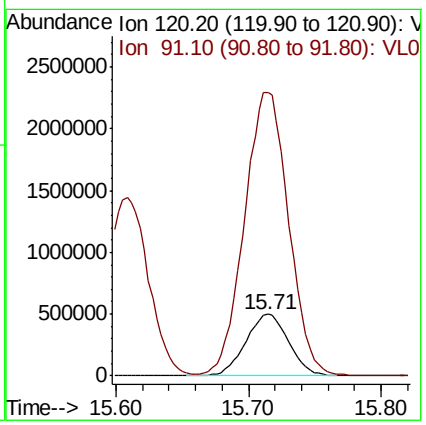


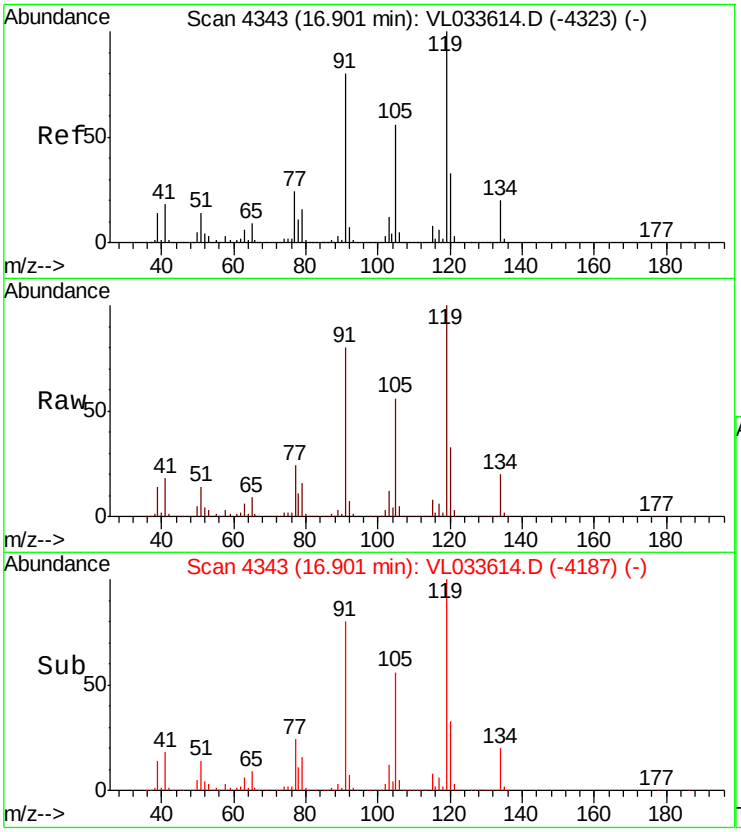


#64
n-propylbenzene
Concen: 5.985 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:120 Resp: 1121897

Ion	Ratio	Lower	Upper
120	100		
91	475.5	380.2	570.2



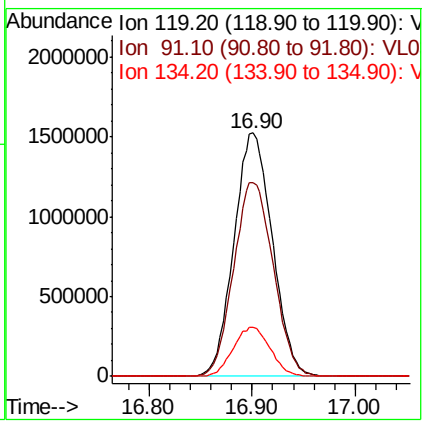


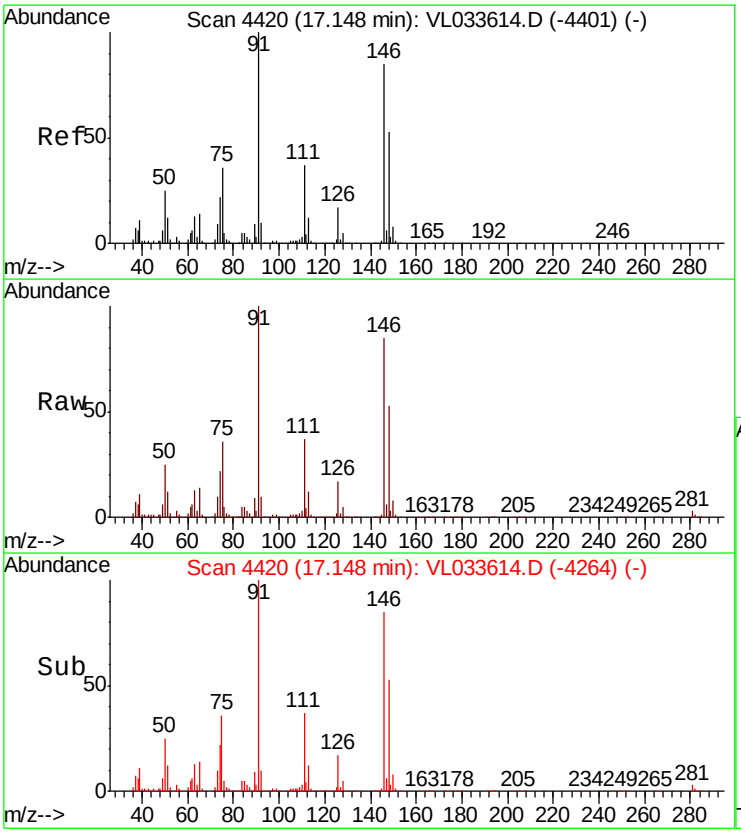
#65
tert-Butylbenzene
Concen: 5.831 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3940553

Ion	Ratio	Lower	Upper
119	100		
91	82.6	66.1	99.1
134	19.5	15.6	23.4

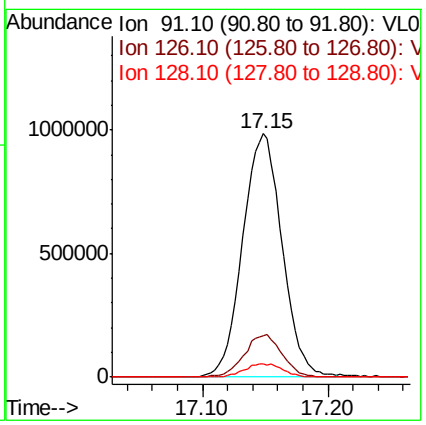


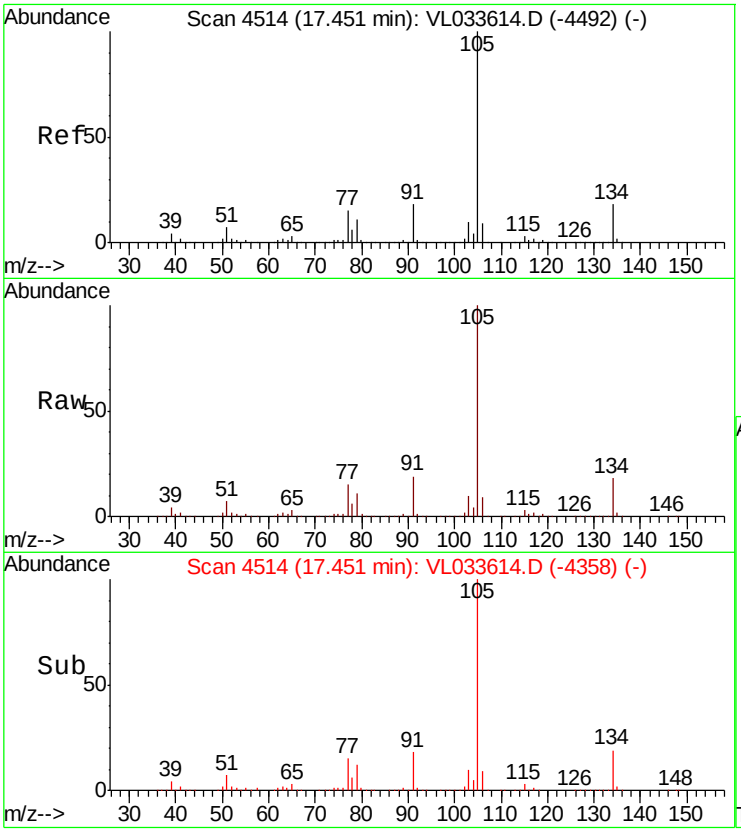


#66
Benzyl Chloride
Concen: 6.989 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 91 Resp: 2145895

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.4	20.2
128	5.4	4.3	6.5



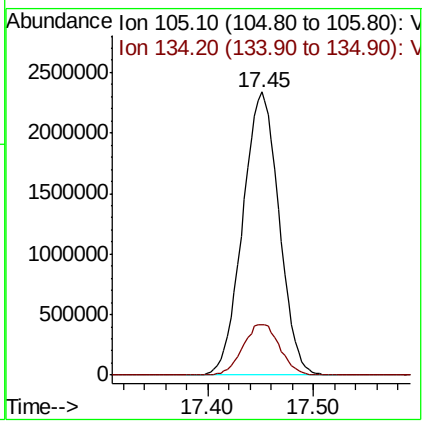


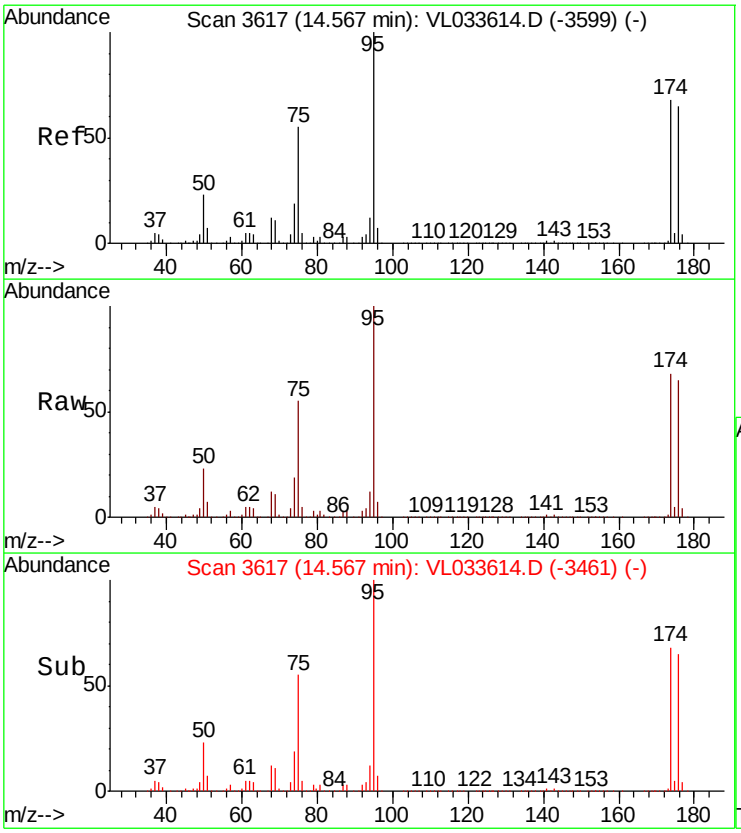
#67
sec-Butylbenzene
Concen: 5.909 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 5607742

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

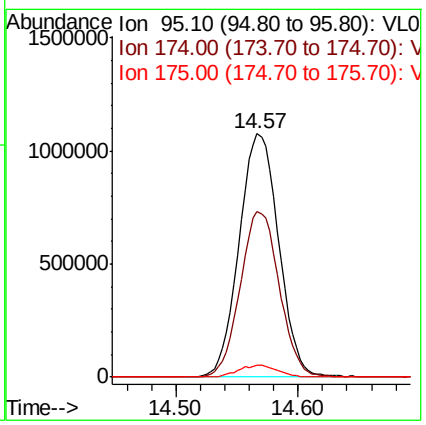


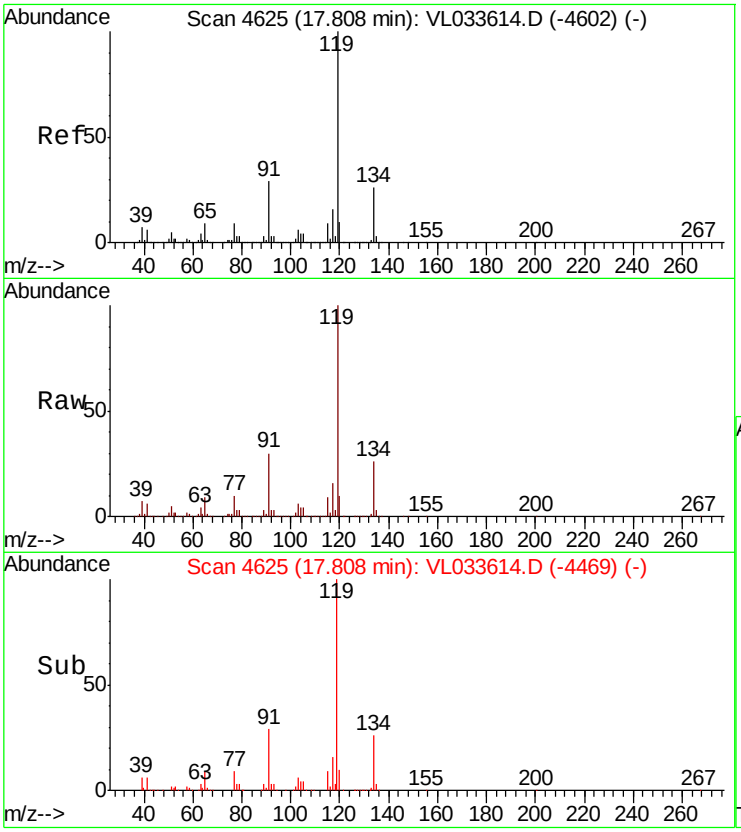


#68
1-Bromo-4-Fluorobenzene
Concen: 5.868 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 95 Resp: 2406567

Ion	Ratio	Lower	Upper
95	100		
174	67.4	53.9	80.9
175	5.0	4.0	6.0



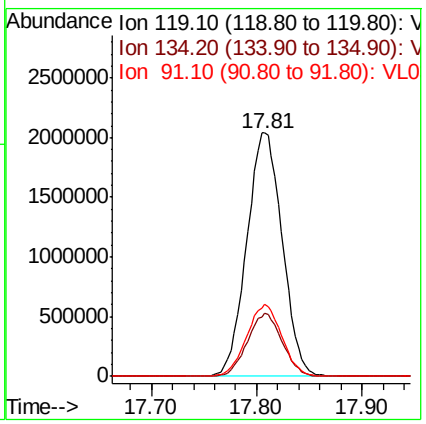


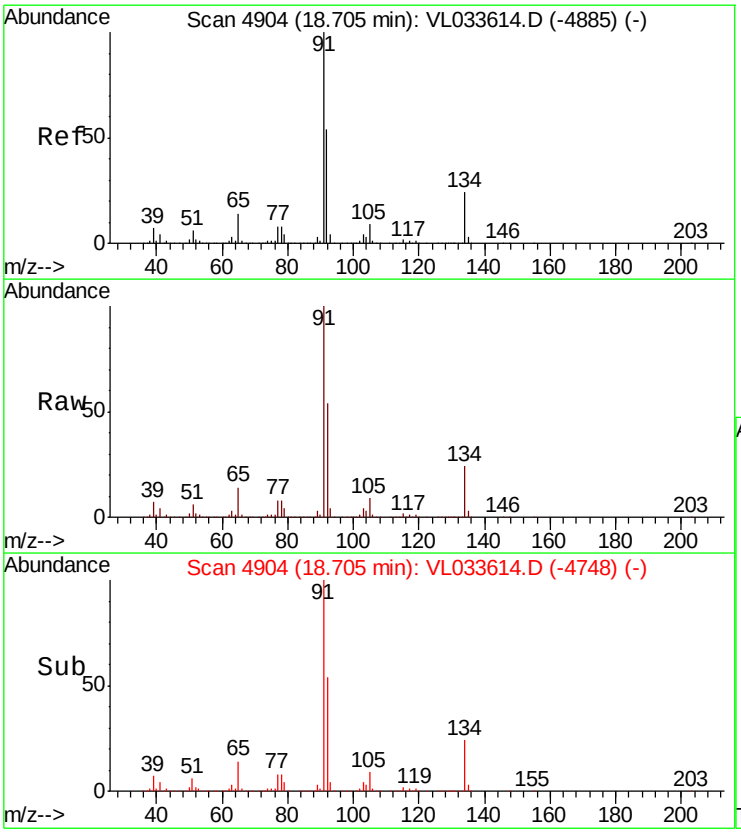
#69
p-Isopropyltoluene
Concen: 6.053 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 4780186

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.1	23.3	34.9

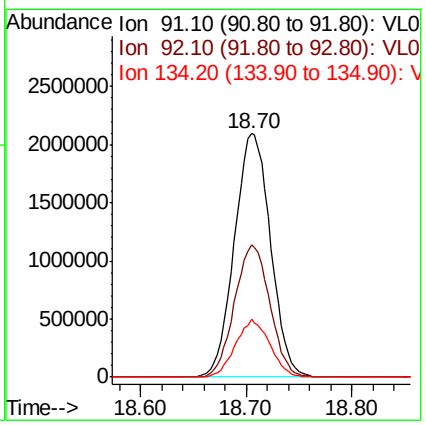


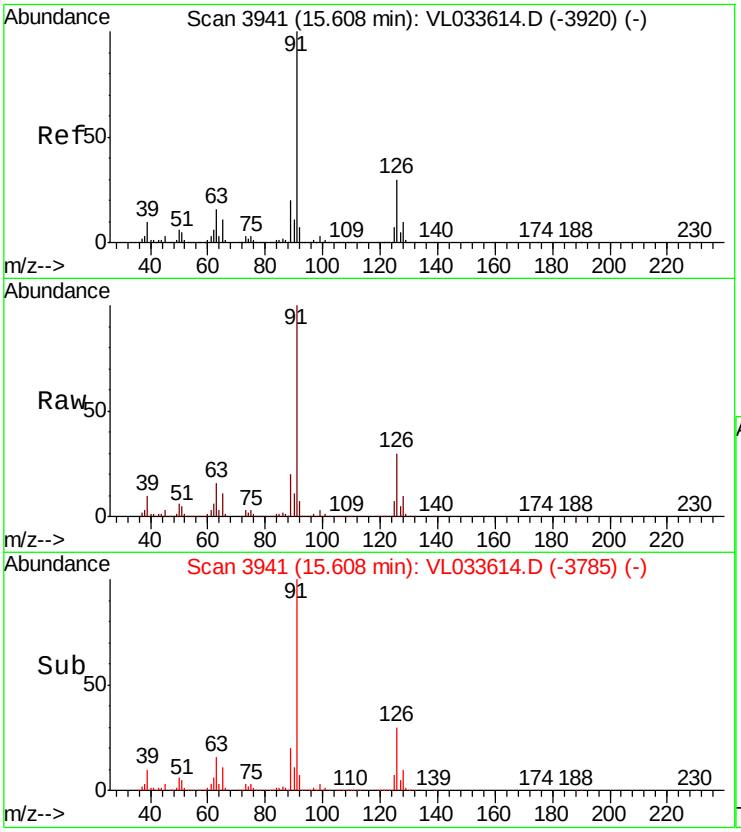


#70
n-Butylbenzene
Concen: 5.787 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion: 91 Resp: 4971673

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.6	64.0
134	22.5	18.0	27.0



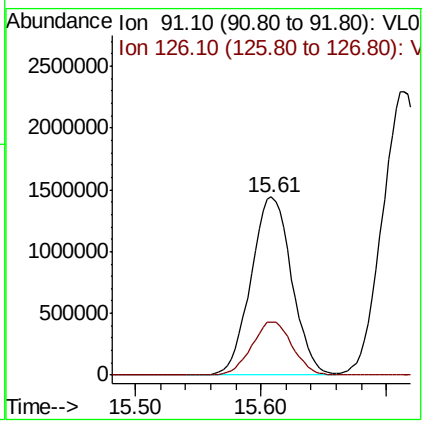


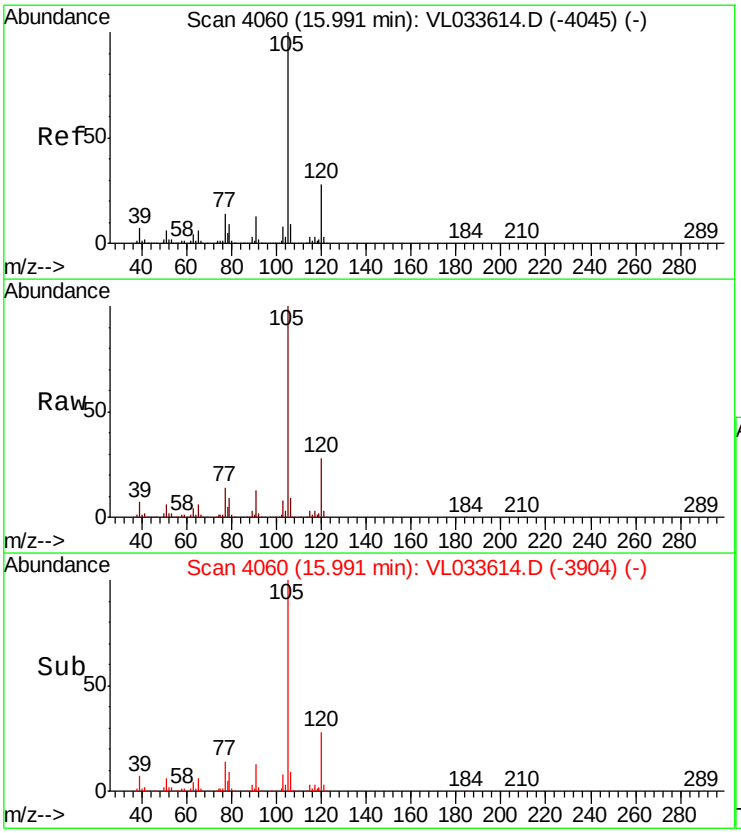
#71
2-Chlorotoluene
Concen: 6.043 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3266680

Ion	Ratio	Lower	Upper
91	100		
126	29.8	11.9	47.7

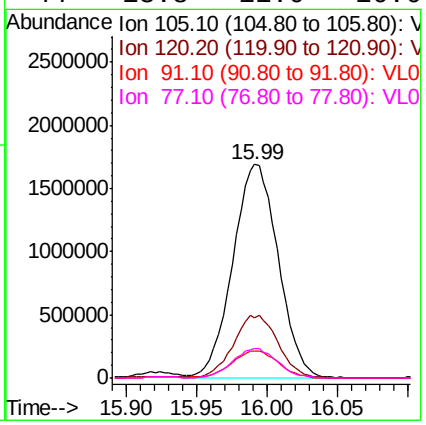


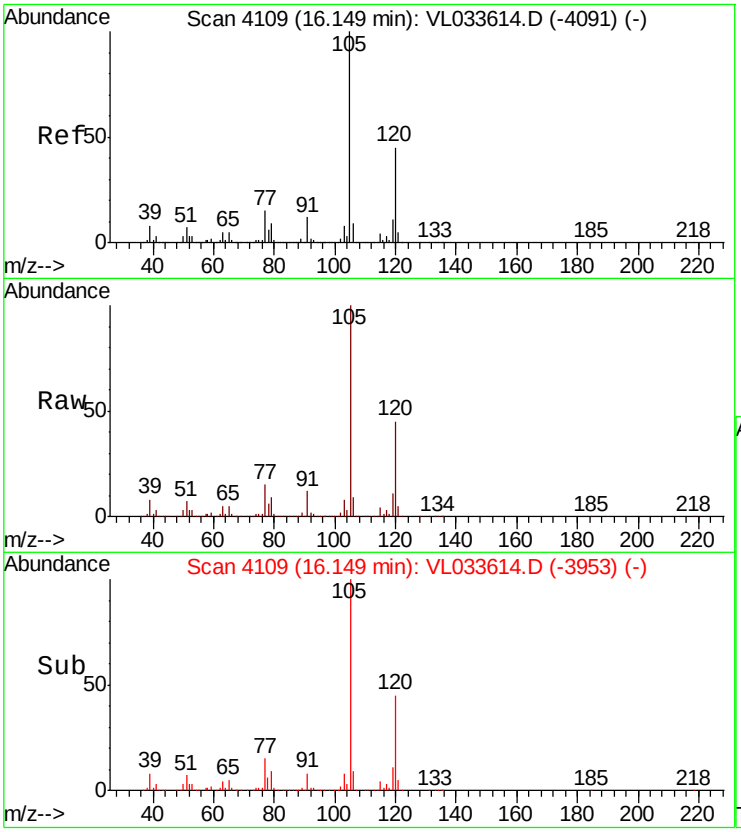


#72
4-Ethyltoluene
Concen: 6.156 ppbv
RT: 15.99 min Scan# 4060
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:105 Resp: 3792762

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.2	34.8
91	12.9	10.3	15.5
77	13.8	11.0	16.6



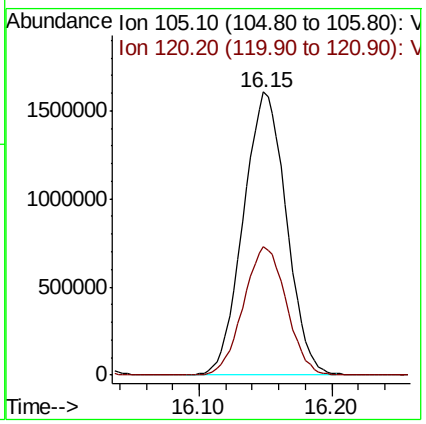


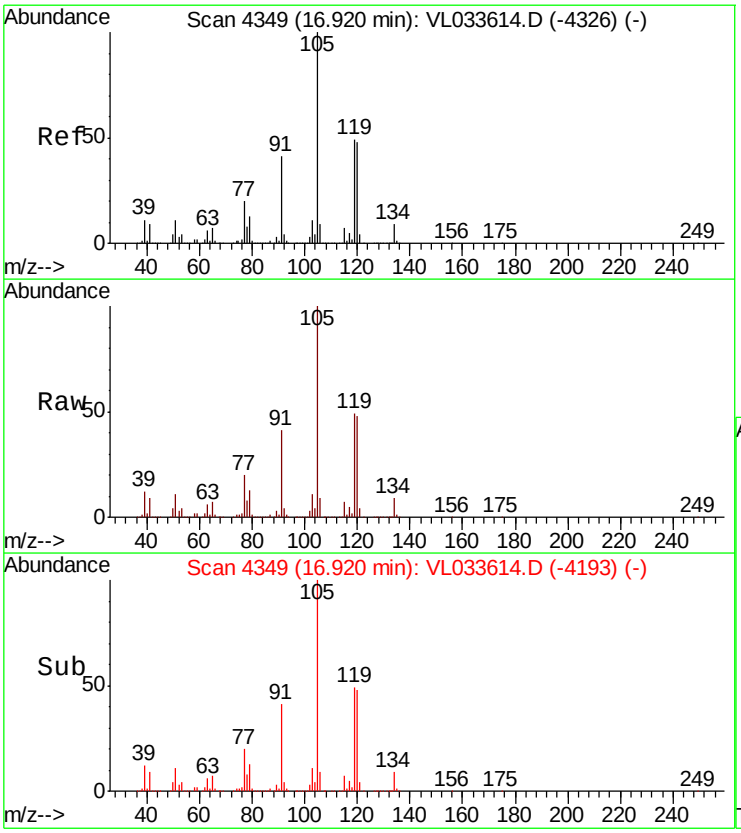
#73
1,3,5-Trimethylbenzene
Concen: 5.983 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 3623870

Ion	Ratio	Lower	Upper
105	100		
120	45.2	36.2	54.2

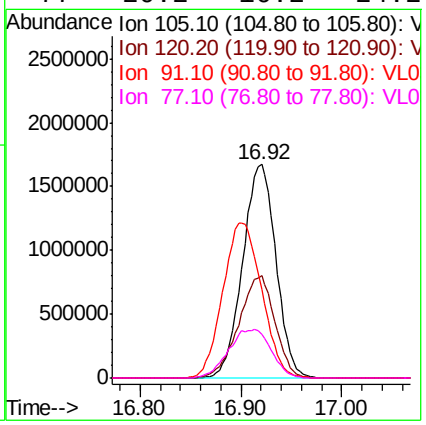


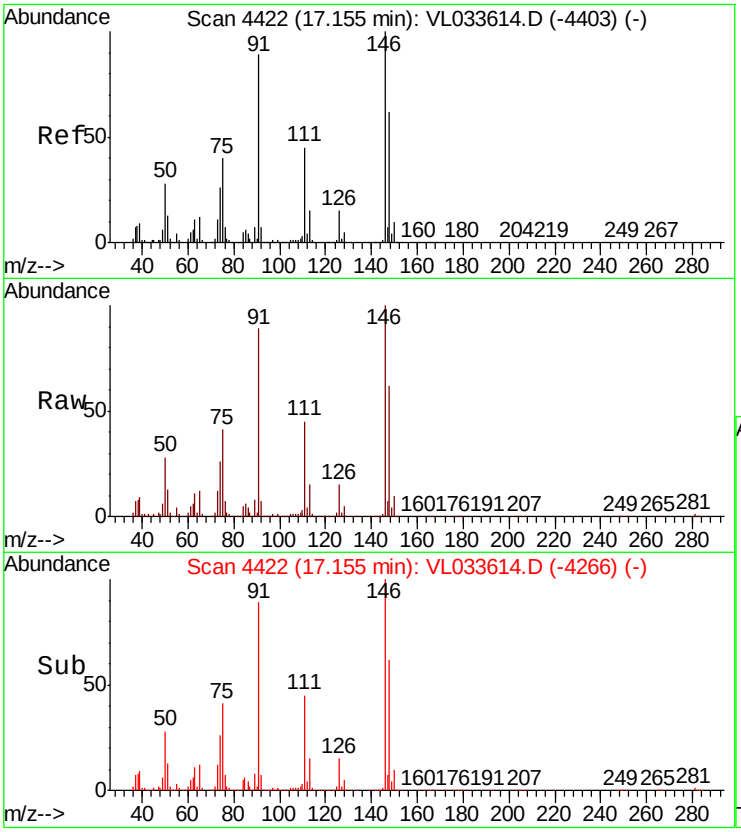


#74
1,2,4-Trimethylbenzene
Concen: 5.654 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:105 Resp: 3816203

Ion	Ratio	Lower	Upper
105	100		
120	48.0	38.4	57.6
91	41.2	33.0	49.4
77	20.2	16.2	24.2



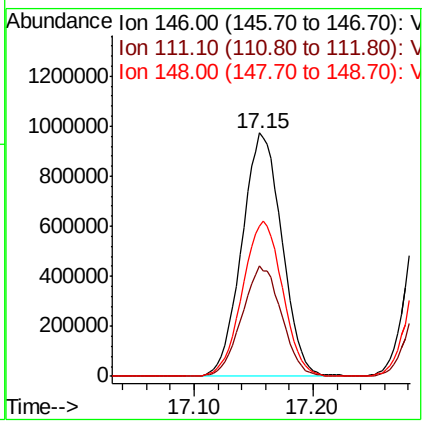


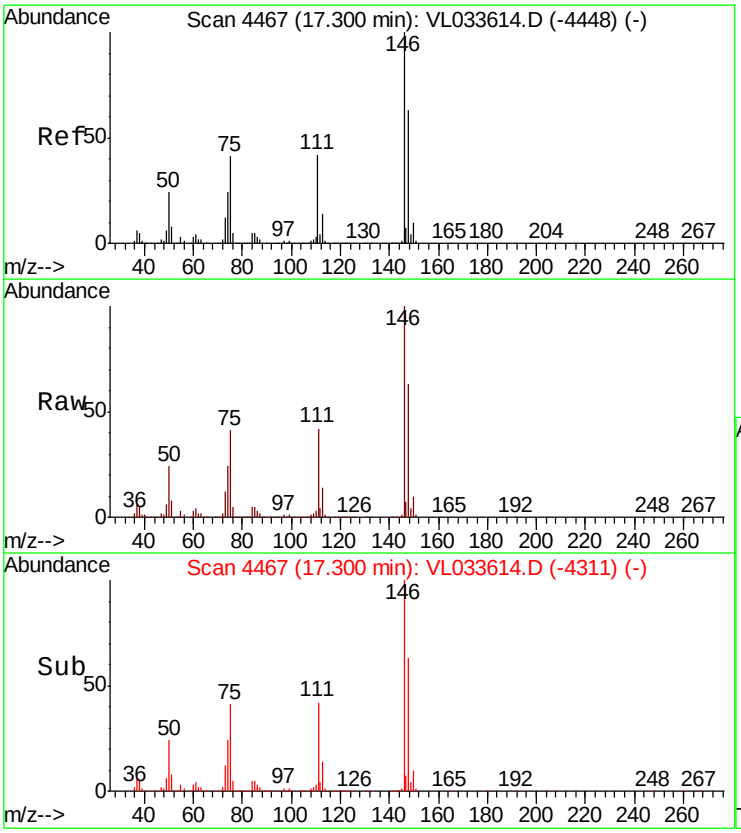
#75
1,3-Dichlorobenzene
Concen: 5.382 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2261140

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	64.0	32.0	96.0

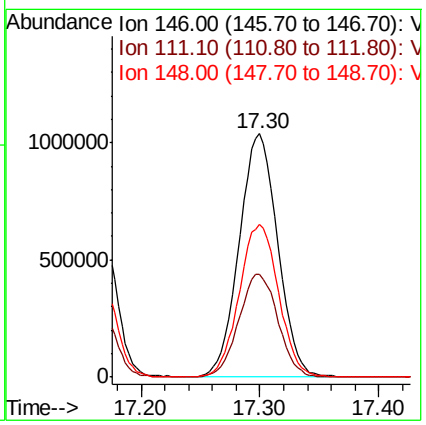


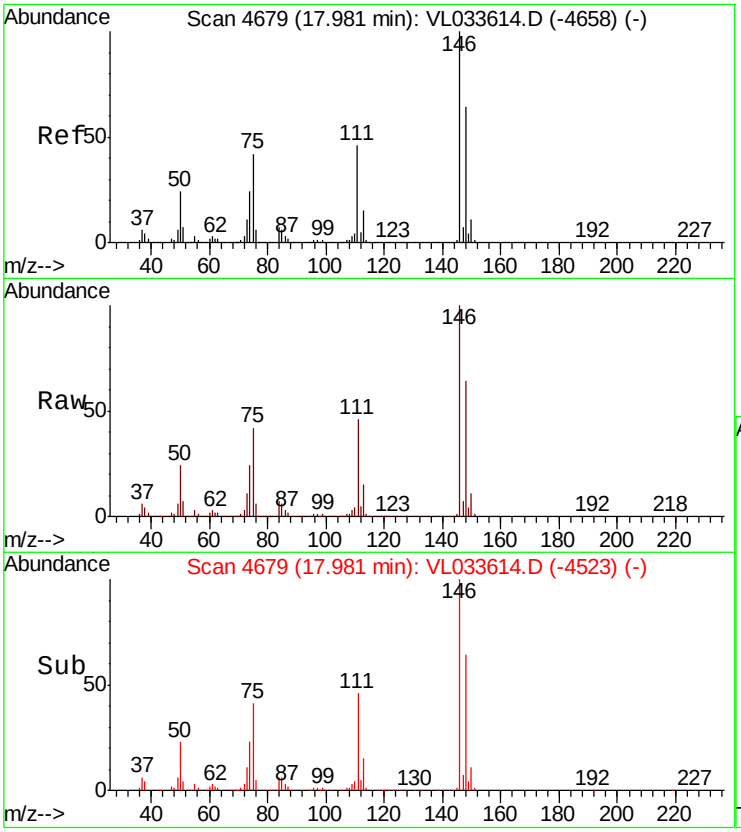


#76
1,4-Dichlorobenzene
Concen: 5.779 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:146 Resp: 2316590

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.6	32.3	96.9



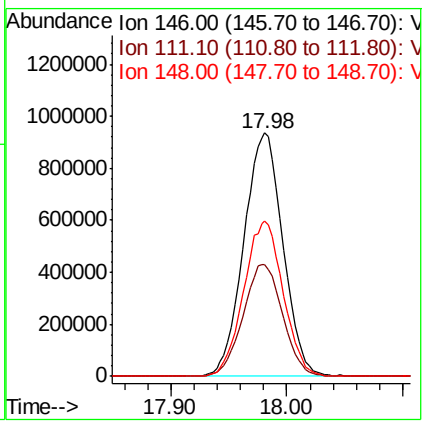


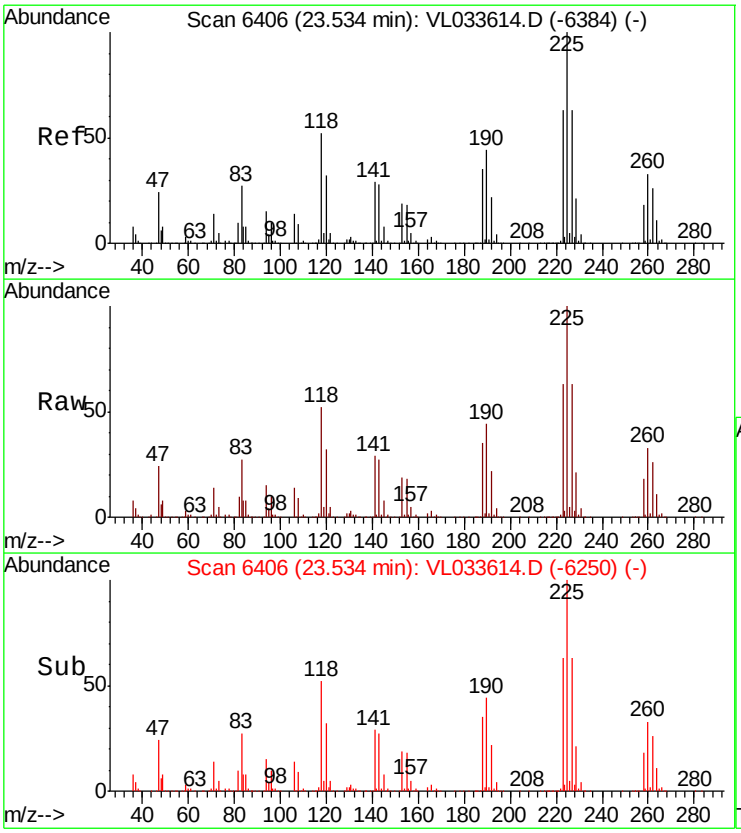
#77
1,2-Dichlorobenzene
Concen: 5.582 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 2186012

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.3	69.9
148	64.4	32.2	96.6

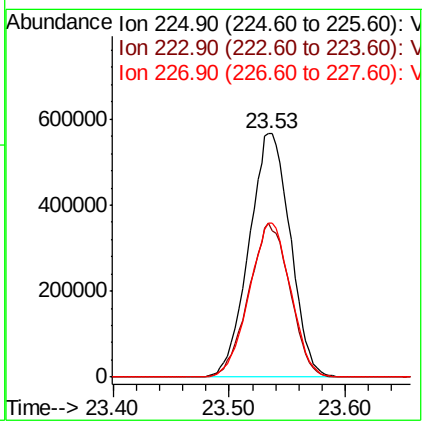


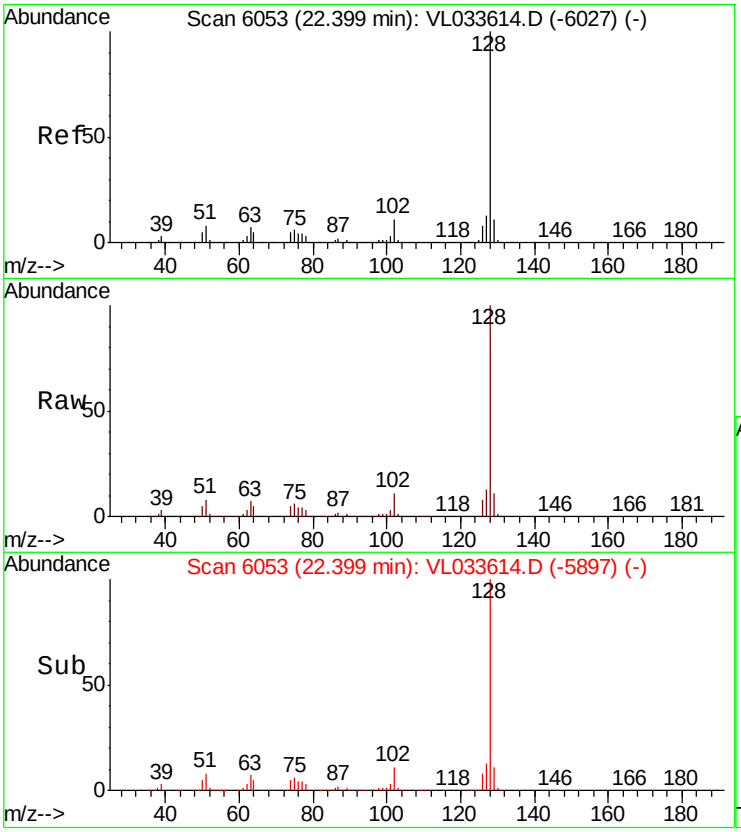


#78
Hexachloro-1,3-Butadiene
Concen: 4.684 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:225 Resp: 1398033

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.4	50.7	76.1



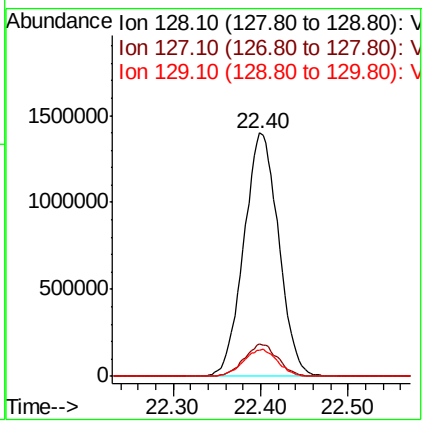


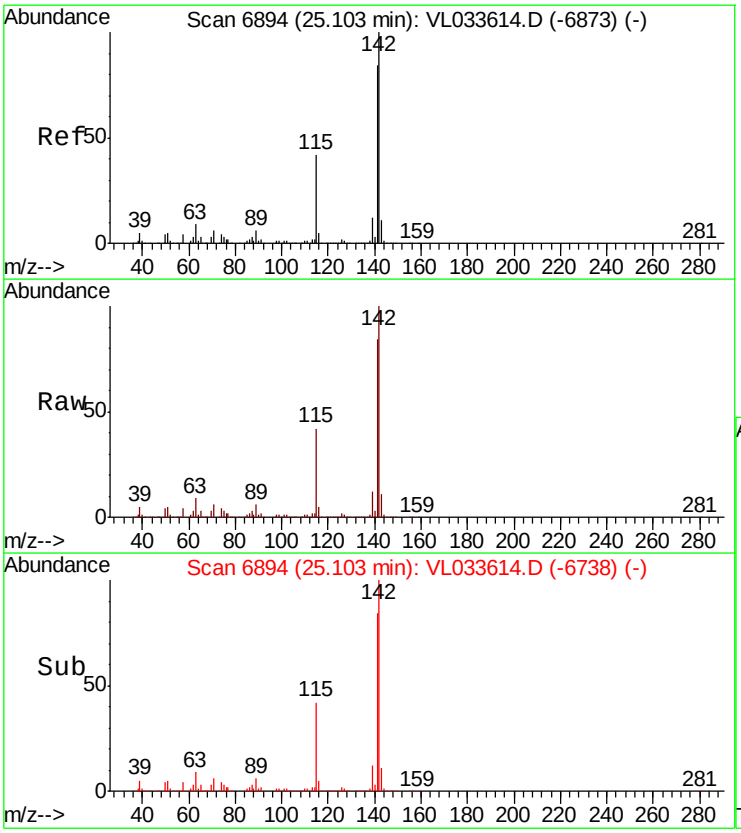
#79
Naphthalene
Concen: 6.184 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 3857150

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.6	13.0

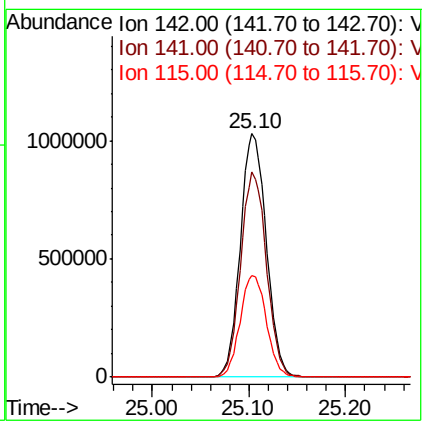


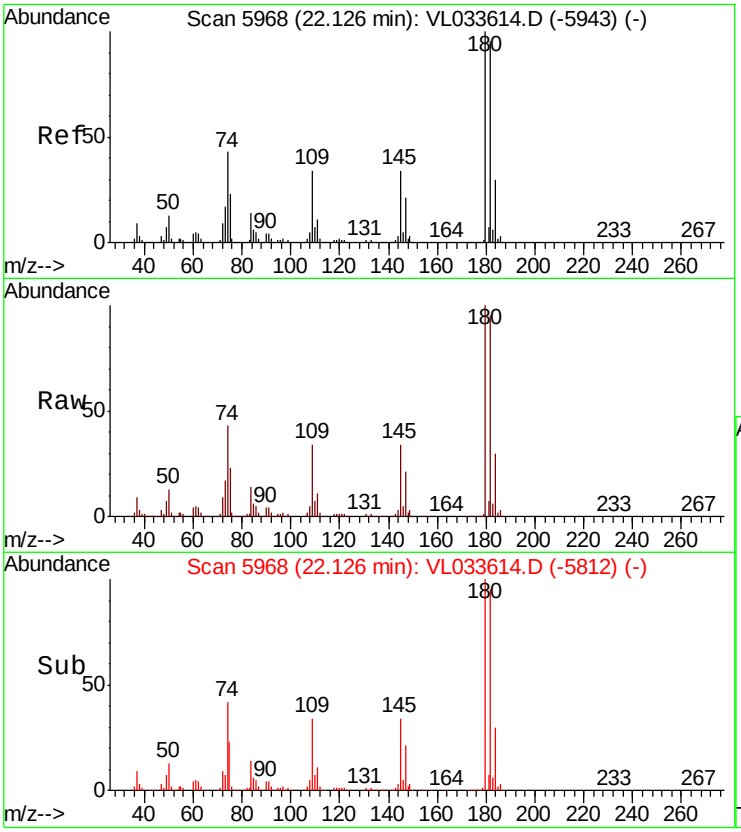


#80
Naphthalene,2-methyl-
Concen: 7.107 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Tgt Ion:142 Resp: 1923492

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.3	100.9
115	42.3	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 5.731 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. 0.00 min
Lab File: VL033614.D
Acq: 1 May 2019 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 2070656

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
184	30.6	24.5	36.7