Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033563.D
Acq On : 10 Apr 2019 11:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Apr 11 03:42:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	956728	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2493541	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3004923	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1916350	8.13	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1447070	10.371	ppbv	100
3) Chlorodifluoromethane	3.01	51	888976	8.071	ppbv	98
4) Chloromethane	3.17	50	493868	8.473	ppbv	95
5) Vinyl Chloride	3.29	62	486154	8.489	ppbv	99
6) Bromomethane	3.51	94	317777	8.635	ppbv	99
7) Chloroethane	3.60	64	181731	8.527	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1216282	8.180	ppbv	97
9) Propene	3.04	41	416741	9.009	ppbv	98
10) Heptane	8.25	43	1065229	8.615	ppbv	100
11) Trichlorofluoromethane	4.00	101	1333948	7.757	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	931941	8.068	ppbv	97
13) Ethanol	3.64	45	110184	9.205	ppbv	66
14) Bromoethene	3.79	108	406551	8.825	ppbv	99
15) Acetone	3.90	43	867030	7.537	ppbv	98
16) 1,3-Butadiene	3.36	39	390030	8.548	ppbv	86
17) tert-Butyl alcohol	4.35	59	175379	8.292	ppbv	100
18) 1,1-Dichloroethene	4.35	96	430860	8.684	ppbv	94
19) Isopropyl Alcohol	4.02	45	640214	8.799	ppbv	99
20) Methylene Chloride	4.41	84	355961	7.290	ppbv	96
21) Allyl Chloride	4.48	41	633380	8.710	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	436511	8.433	ppbv	96
23) Vinyl Acetate	5.16	43	1496827	9.142	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1040688	8.367	ppbv	99
25) Ethyl Acetate	5.77	43	1758405	8.239	ppbv	99
26) Hexane	5.78	57	803733	8.469	ppbv	95
27) Carbon Disulfide	4.62	76	1034128	9.164	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1287401	9.419	ppbv	100
29) Chloroform	5.85	83	1343386	8.258	ppbv	100
30) Cyclohexane	7.25	84	719021	9.577	ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	835856	8.859	ppbv	91
32) 1,1,1-Trichloroethane	6.62	97	1349304	8.710	ppbv	98
34) 2-Butanone	5.33	43	1175020	7.843	ppbv	98
35) Carbon Tetrachloride	7.14	117	1397209	7.911	ppbv	100
36) Benzene	7.00	78	1755271	8.389	ppbv	96
37) 1,2-Dichloroethane	6.41	62	985936	7.030	ppbv	98
38) Trichloroethene	7.96	130	705353	8.958	ppbv	97
39) 1,2-Dichloropropane	7.74	63	654579	7.987	ppbv	96
40) 1,4-Dioxane	7.95	88	258116	8.830	ppbv #	1
41) Tetrahydrofuran	6.15	42	679408	8.245	ppbv	96
42) Bromodichloromethane	7.92	83	1491375	7.808	ppbv	100
43) Methyl Methacrylate	8.14	69	719670	8.471	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033563.D
Acq On : 10 Apr 2019 11:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Apr 11 03:42:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2853151	7.804	ppbv		98
45) t-1,3-Dichloropropene	9.42	75	978378	9.380	ppbv		100
46) cis-1,3-Dichloropropene	8.84	75	1088267	8.934	ppbv		94
47) 1,1,2-Trichloroethane	9.62	97	724365	7.783	ppbv		99
48) Dibromochloromethane	10.45	129	1301072	8.288	ppbv		99
49) Bromoform	13.20	173	1194929	7.968	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1678707	7.652	ppbv		97
51) 2-Hexanone	10.27	43	1369297	8.368	ppbv	#	98
52) Tetrachloroethene	11.37	164	681558	8.634	ppbv		99
53) Toluene	9.95	91	2109531	8.677	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1179853	8.105	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	920583	6.684	ppbv	#	54
57) Chlorobenzene	12.30	112	1563203	6.700	ppbv		94
58) Ethyl Benzene	12.87	91	2877345	7.170	ppbv		99
59) m/p-Xylene	13.15	91	2330722	6.503	ppbv	#	100
60) o-Xylene	13.85	91	2341359	6.755	ppbv		99
61) Styrene	13.69	104	1822119	7.660	ppbv		98
62) Isopropylbenzene	14.83	105	3364660	6.855	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1618499	6.342	ppbv		99
64) n-propylbenzene	15.73	120	878166	7.051	ppbv		95
65) tert-Butylbenzene	16.91	119	3025623	6.996	ppbv		97
66) Benzyl Chloride	17.16	91	1750513	8.704	ppbv		98
67) sec-Butylbenzene	17.46	105	4217697	6.857	ppbv		100
69) p-Isopropyltoluene	17.82	119	3514148	7.017	ppbv		98
70) n-Butylbenzene	18.72	91	3662597	6.903	ppbv		99
71) 2-Chlorotoluene	15.62	91	2580990	6.916	ppbv		98
72) 4-Ethyltoluene	16.00	105	2831271	7.267	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	2690958	7.218	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	2750976	6.884	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1647143	6.669	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1659510	6.896	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1608658	6.864	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1240675	7.998	ppbv		99
79) Naphthalene	22.42	128	2851965	8.337	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1208944	10.531	ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	1454895	7.667	ppbv		100

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

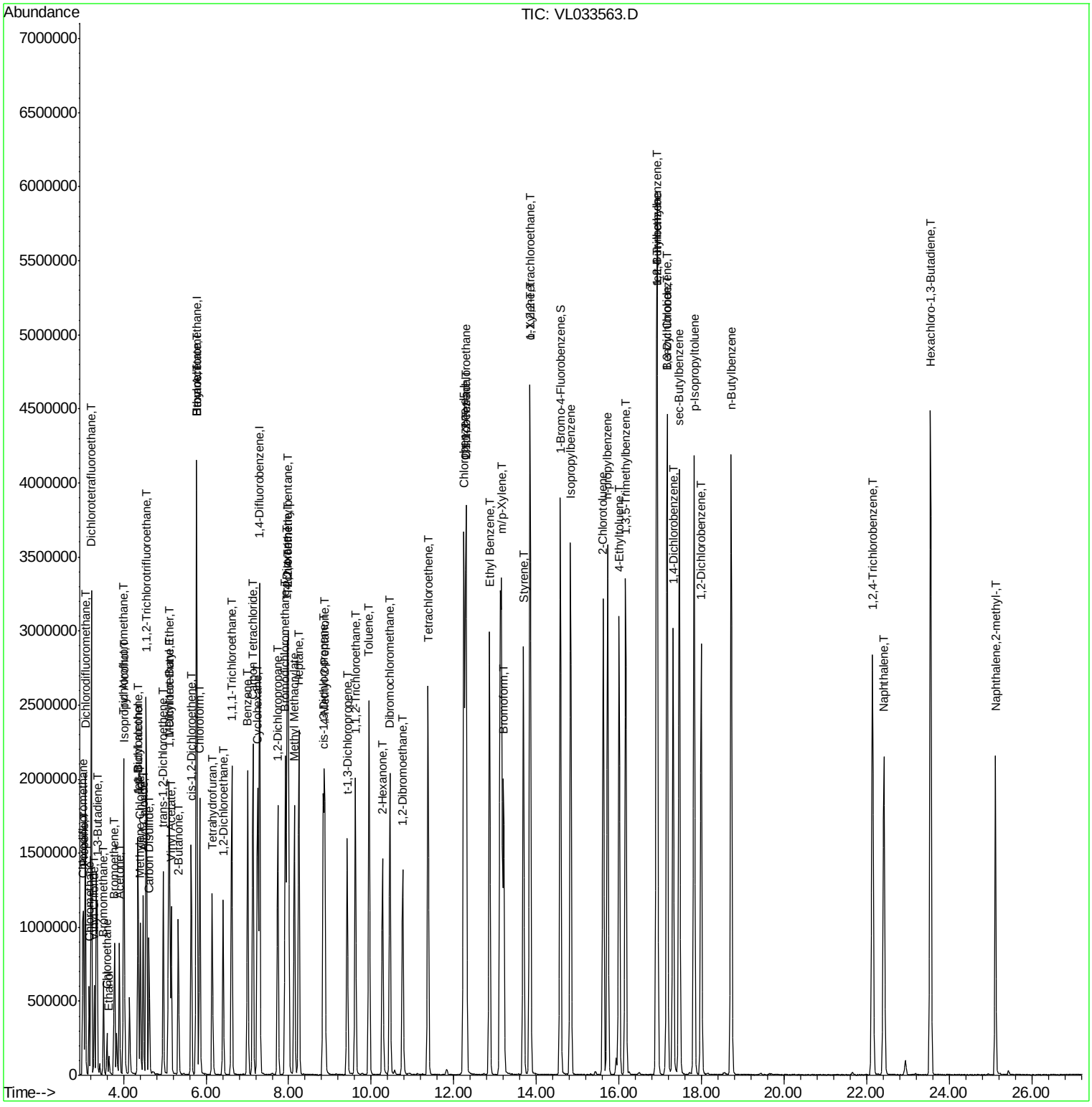
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

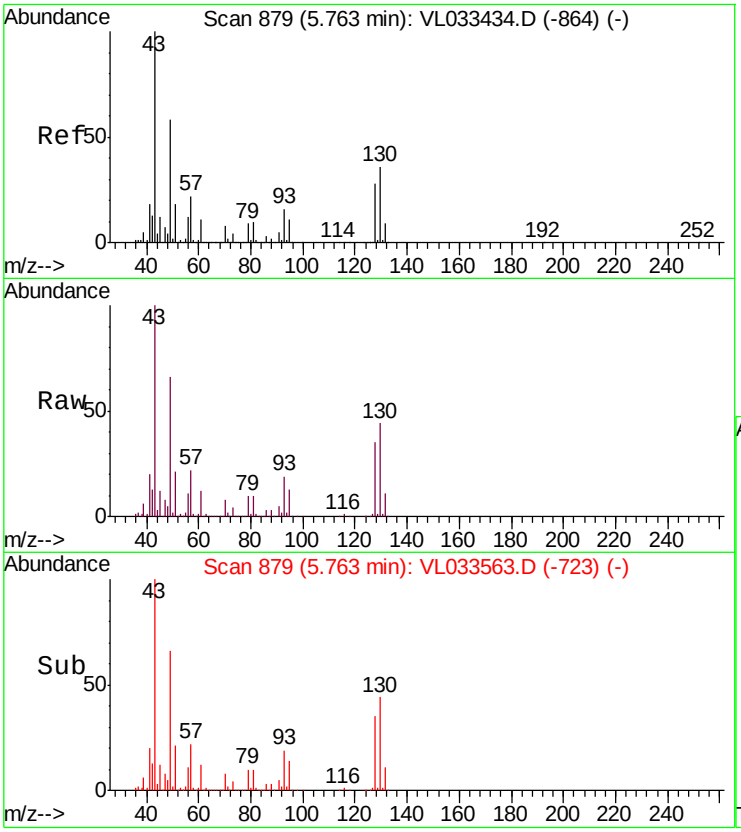
Quantitation Report (Not Reviewed)

Data File : VL033563.D
Acq On : 10 Apr 2019 11:06
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 11 03:42:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



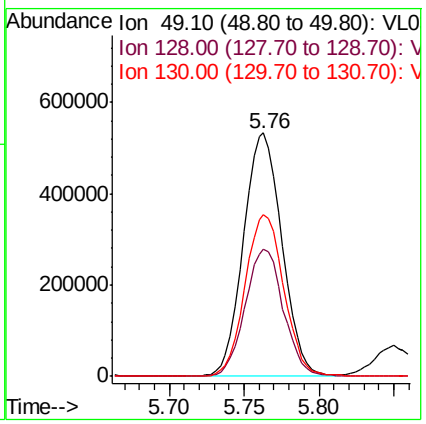


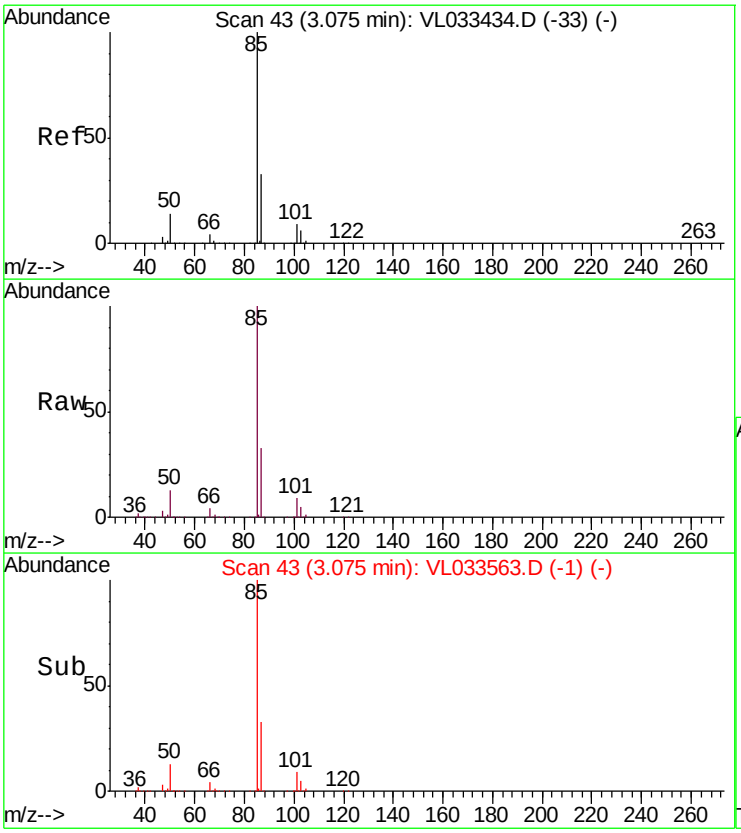
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 956728

Ion	Ratio	Lower	Upper
49	100		
128	52.1	24.0	72.0
130	67.1	31.2	93.6

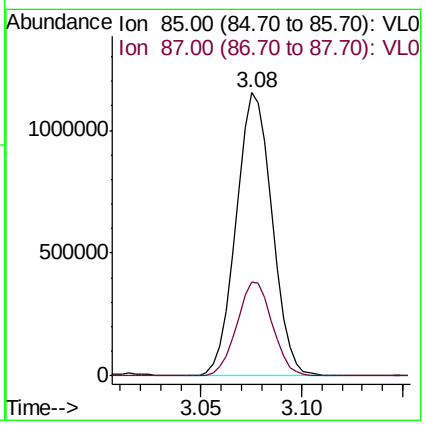


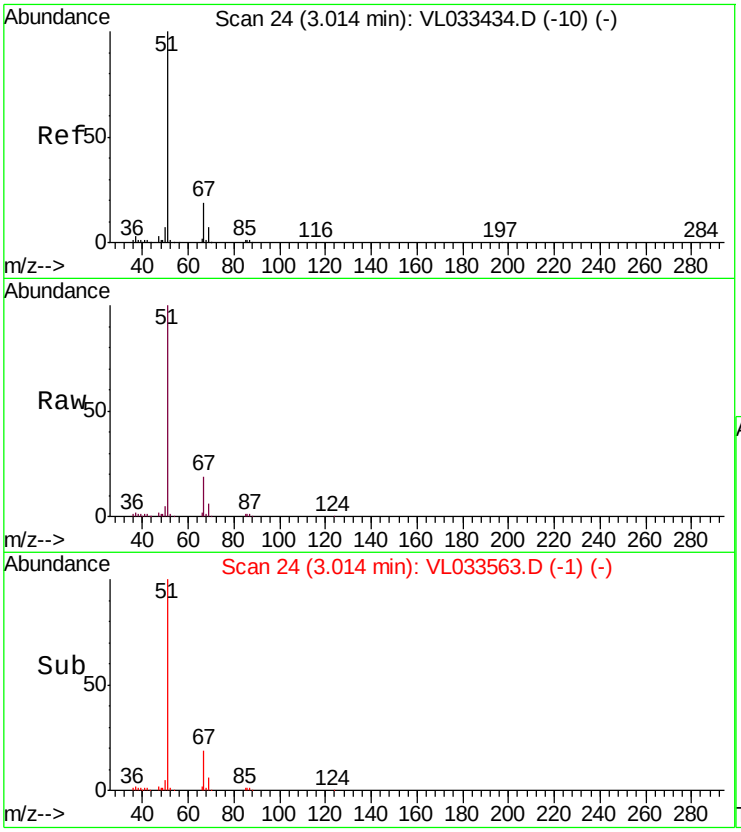


#2
Dichlorodifluoromethane
Concen: 10.371 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 85 Resp: 1447070

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.7	40.1



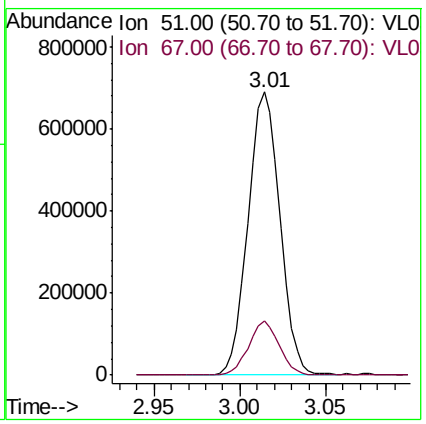


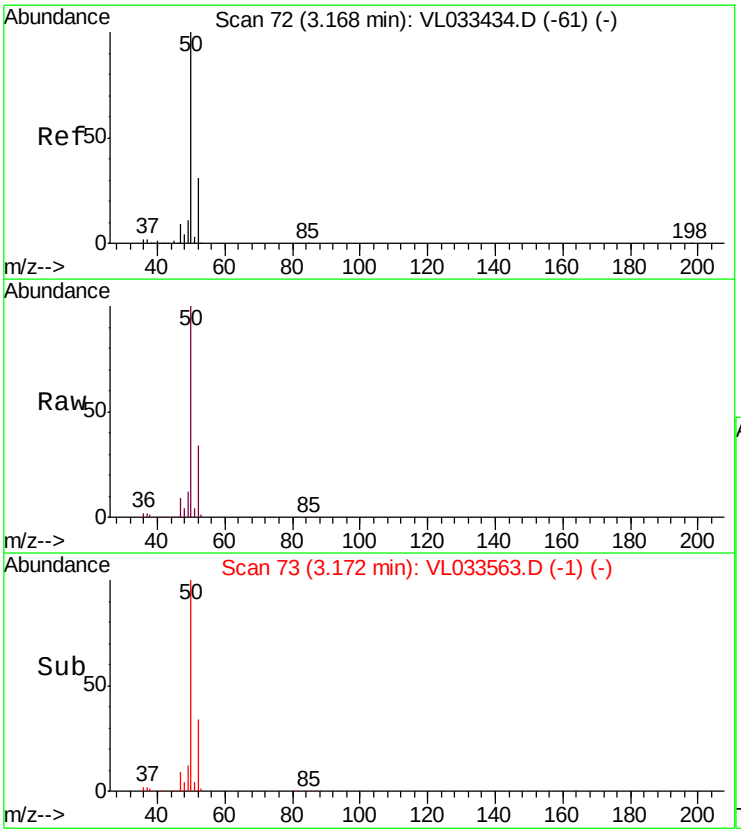
#3
Chlorodifluoromethane
Concen: 8.071 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 888976

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.7	23.5

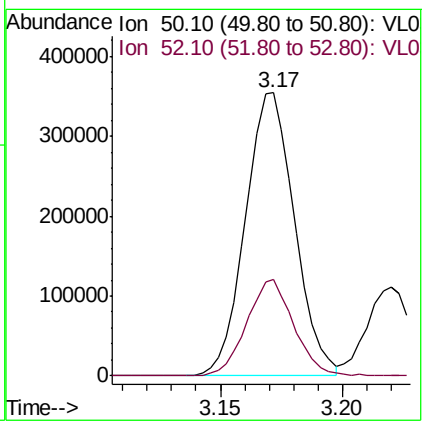


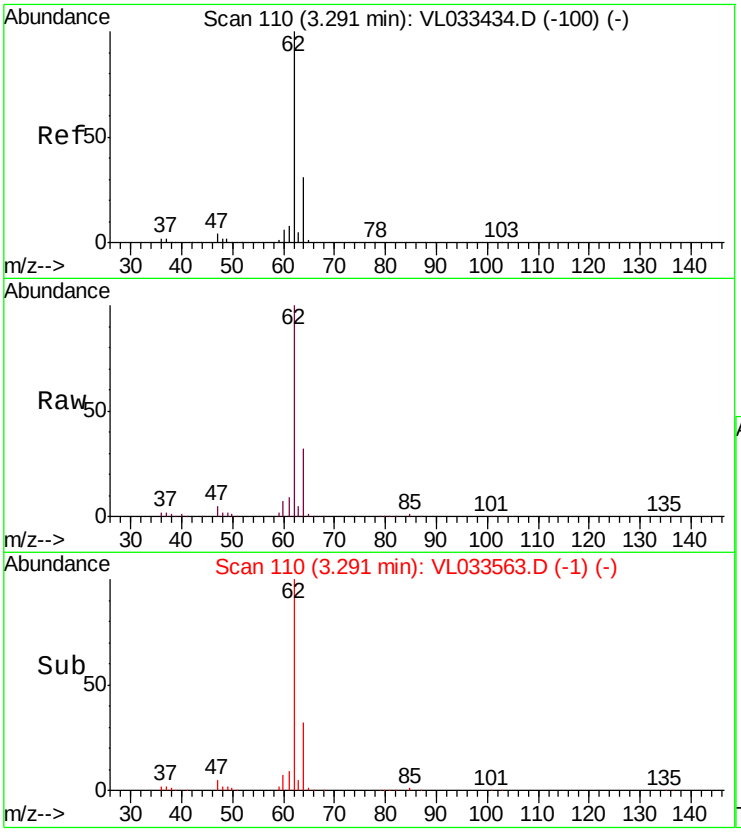


#4
Chloromethane
Concen: 8.473 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 50 Resp: 493868

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.0	37.6



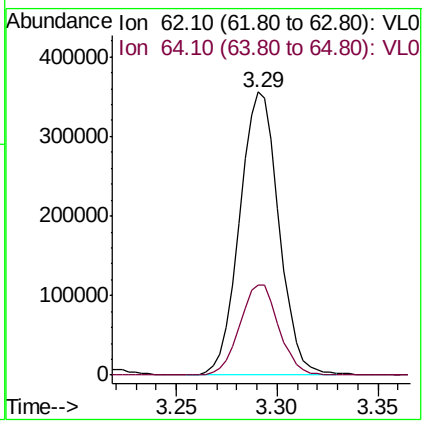


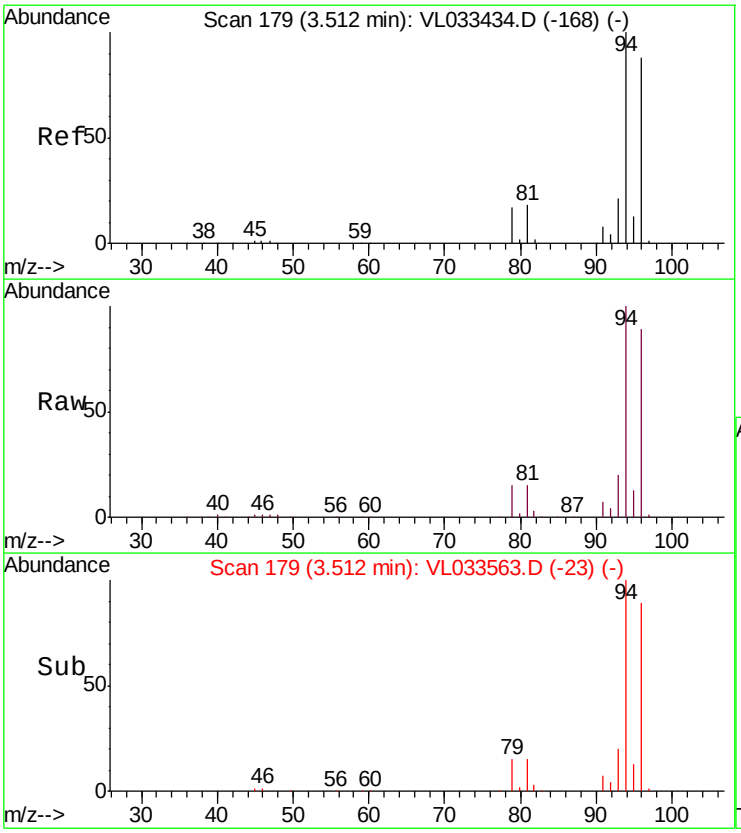
#5
Vinyl Chloride
Concen: 8.489 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 486154

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.9	37.3

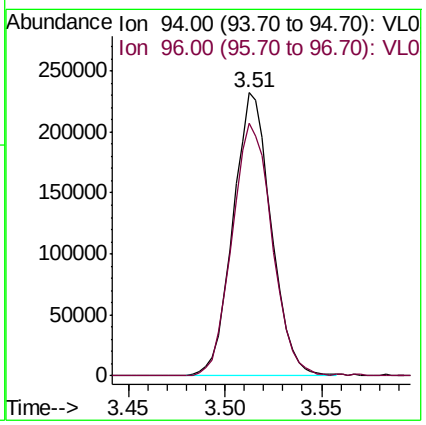


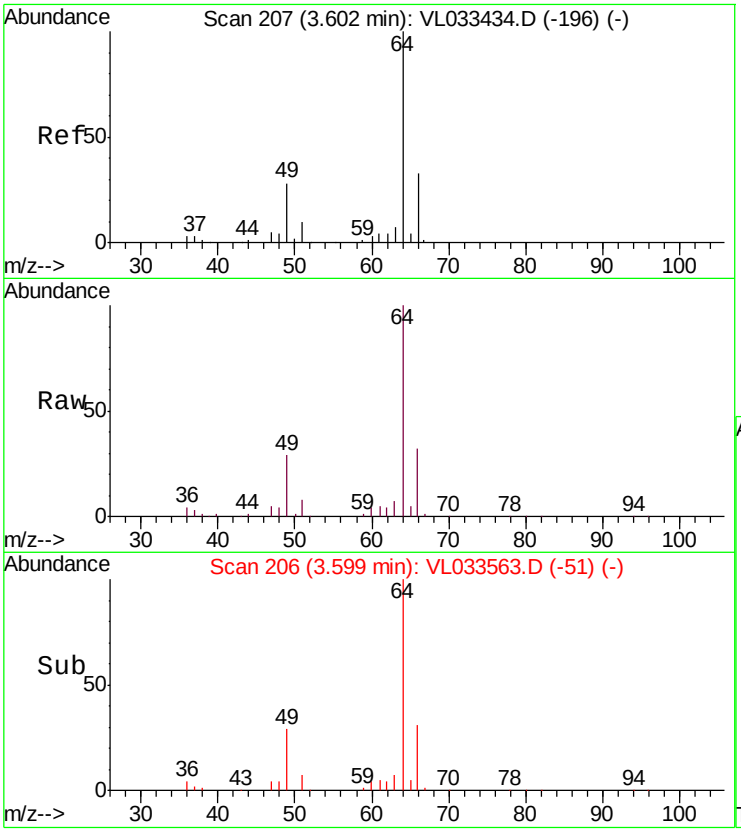


#6
Bromomethane
Concen: 8.635 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 94 Resp: 317777

Ion	Ratio	Lower	Upper
94	100		
96	89.0	70.2	105.2



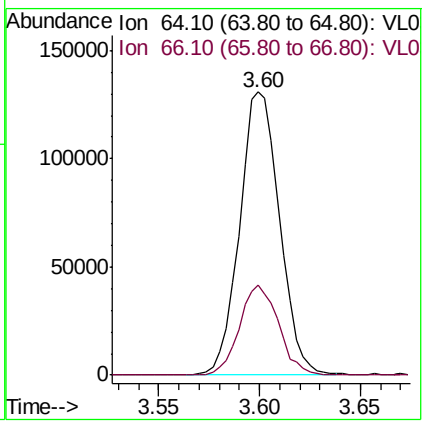


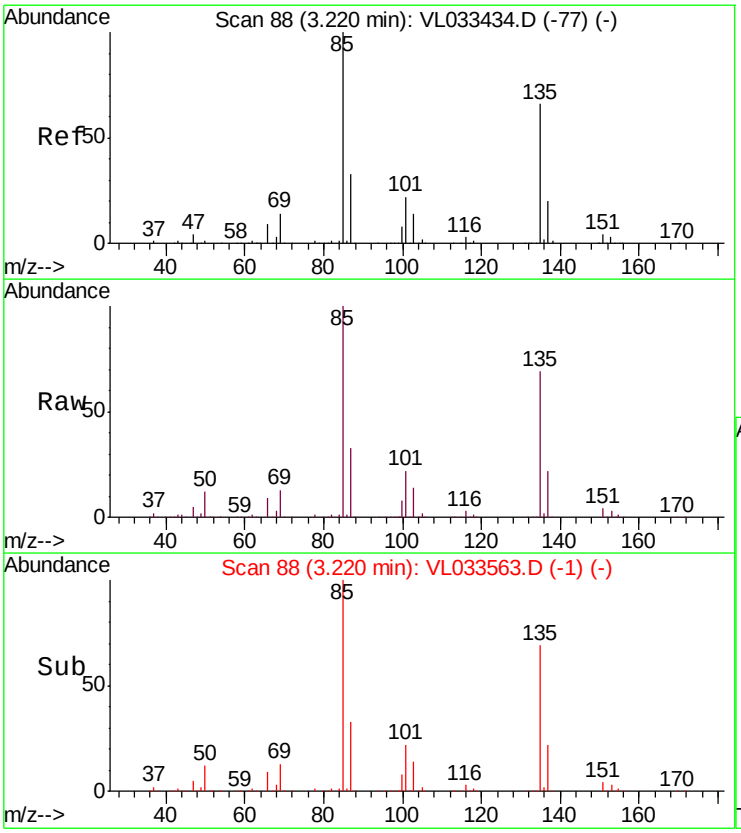
#7
Chloroethane
Concen: 8.527 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 181731

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.7	40.1

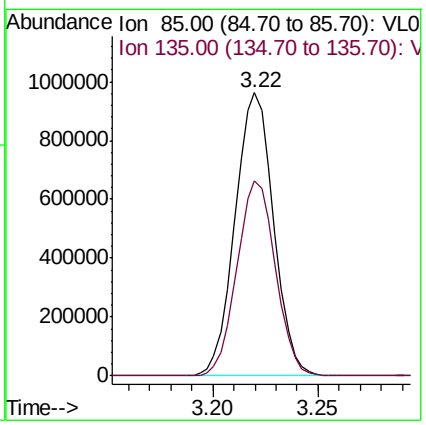


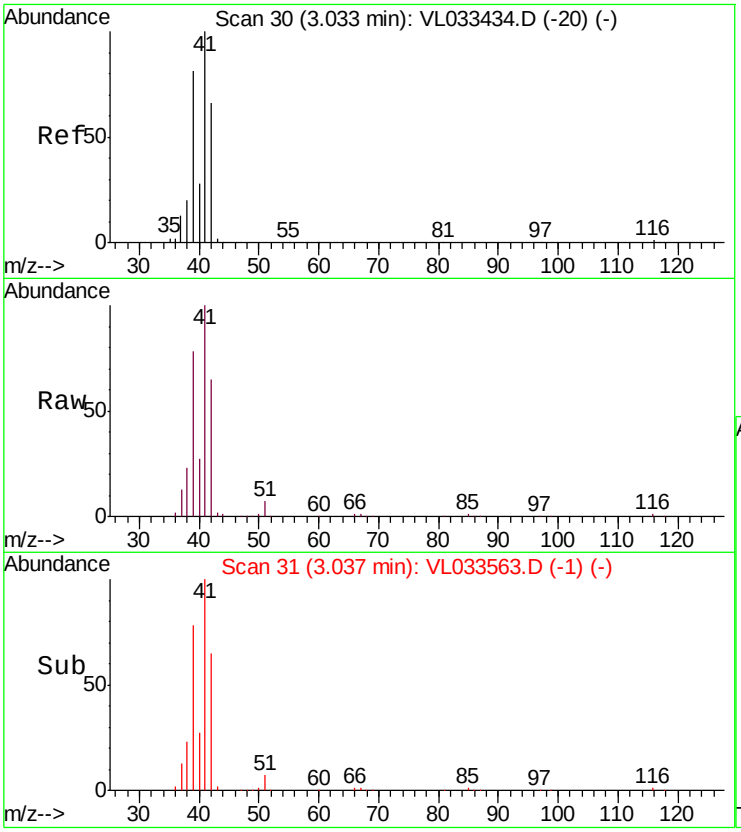


#8
Dichlorotetrafluoroethane
Concen: 8.180 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 85 Resp: 1216282

Ion	Ratio	Lower	Upper
85	100		
135	69.6	54.0	81.0



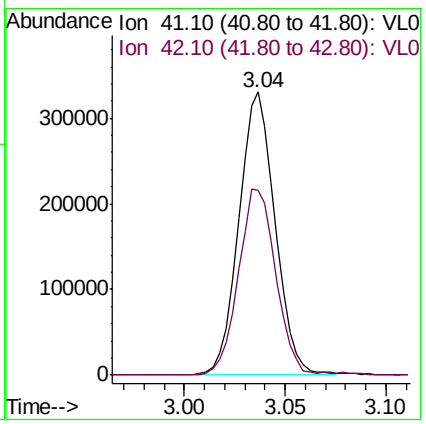


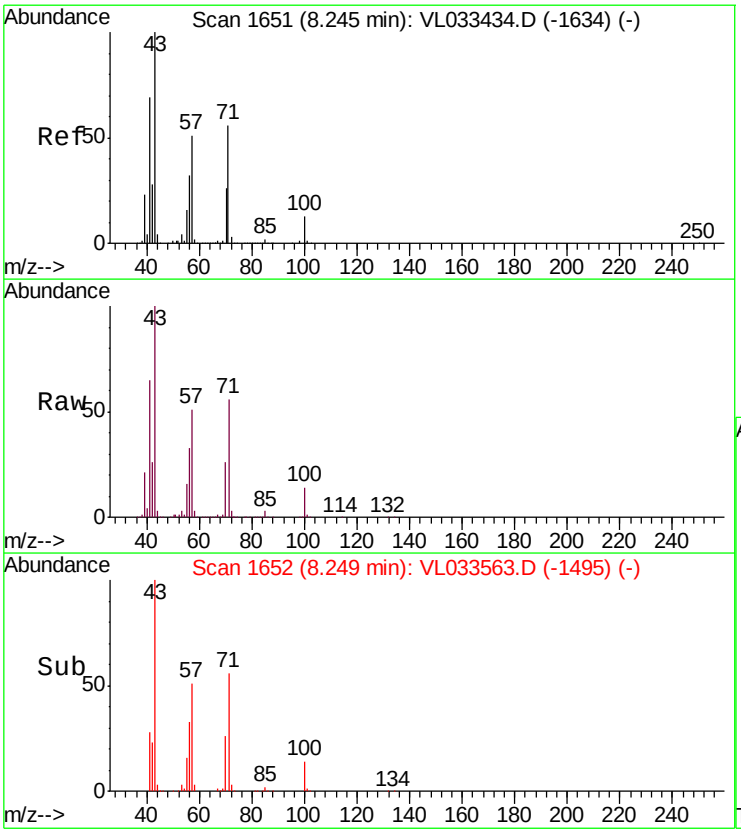
#9
Propene
Concen: 9.009 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 416741

Ion	Ratio	Lower	Upper
41	100		
42	68.7	53.9	80.9

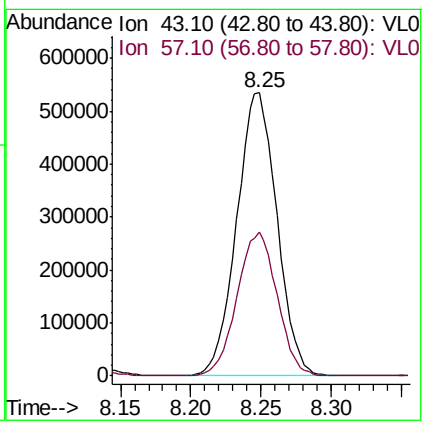


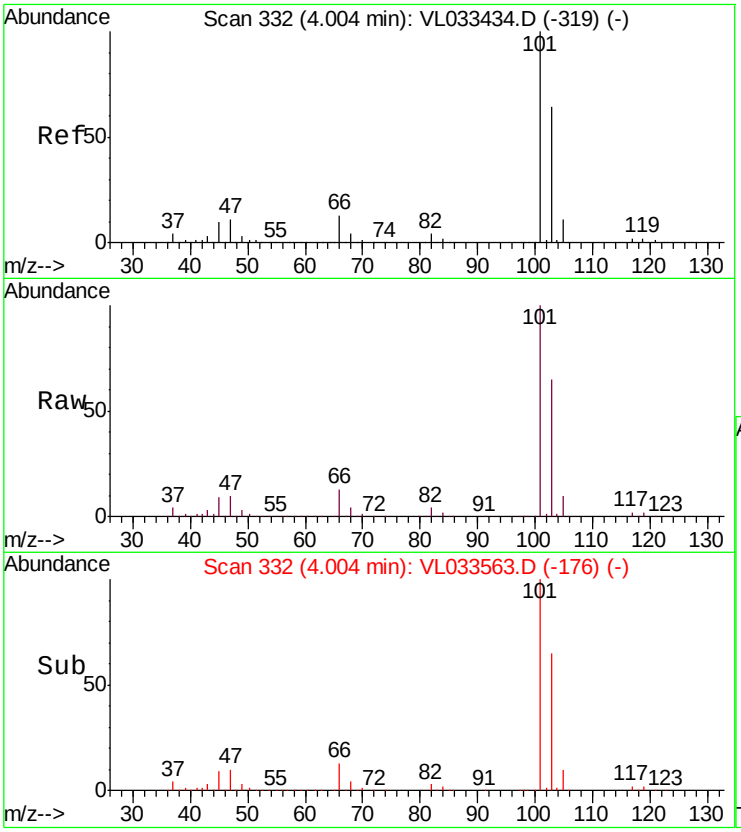


#10
Heptane
Concen: 8.615 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 43 Resp: 1065229

Ion	Ratio	Lower	Upper
43	100		
57	50.8	40.6	60.8



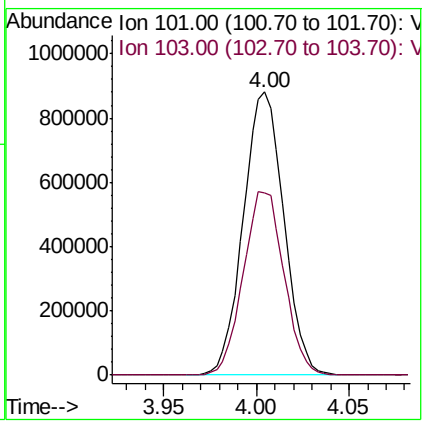


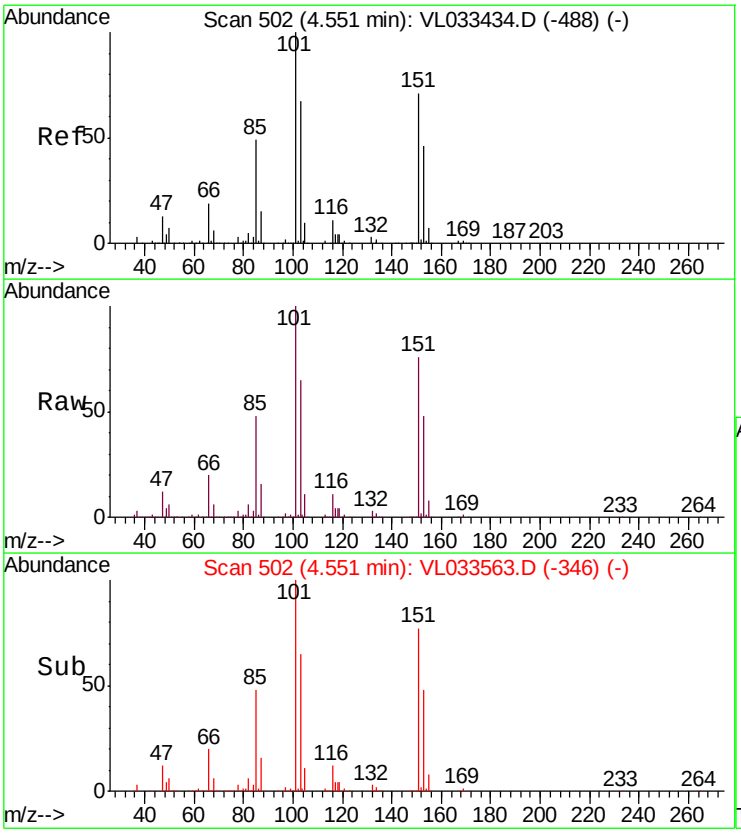
#11
Trichlorofluoromethane
Concen: 7.757 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1333948

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.3	76.9

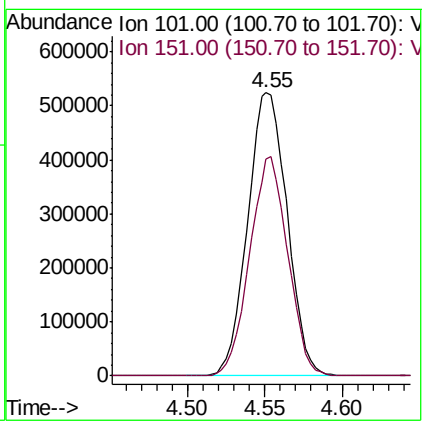


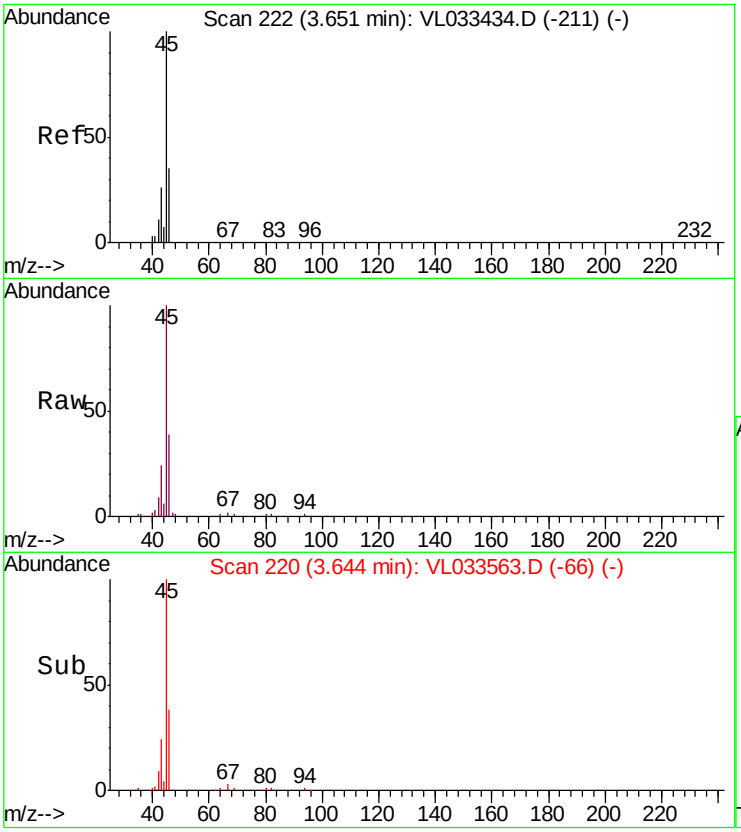


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.068 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:101 Resp: 931941

Ion	Ratio	Lower	Upper
101	100		
151	74.9	57.7	86.5



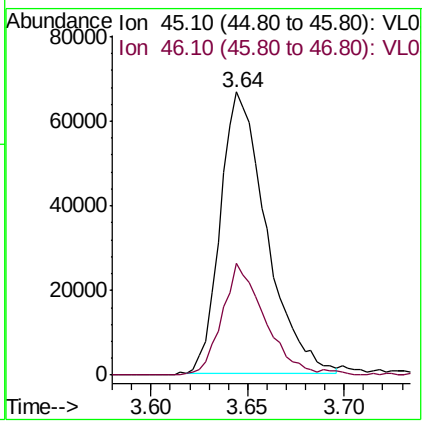


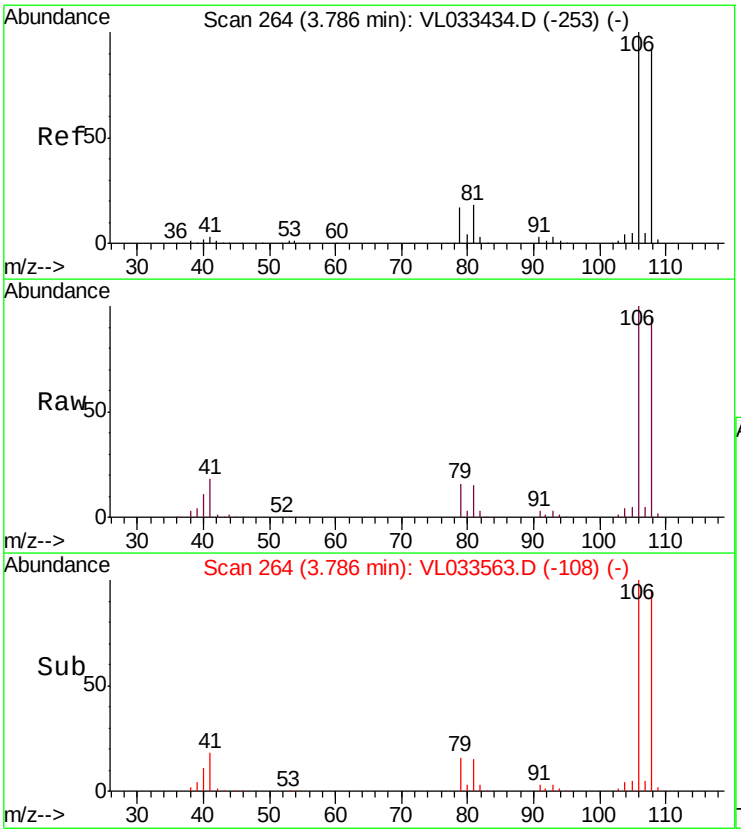
#13
Ethanol
Concen: 9.205 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 110184

Ion	Ratio	Lower	Upper
45	100		
46	37.5	25.4	101.8

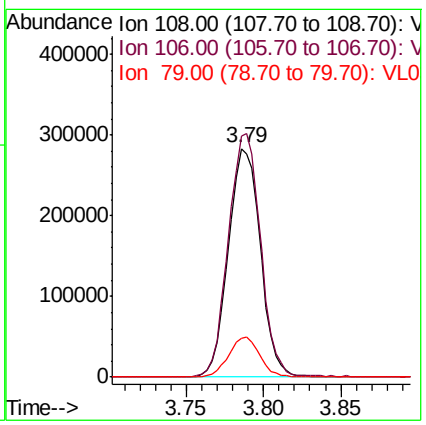


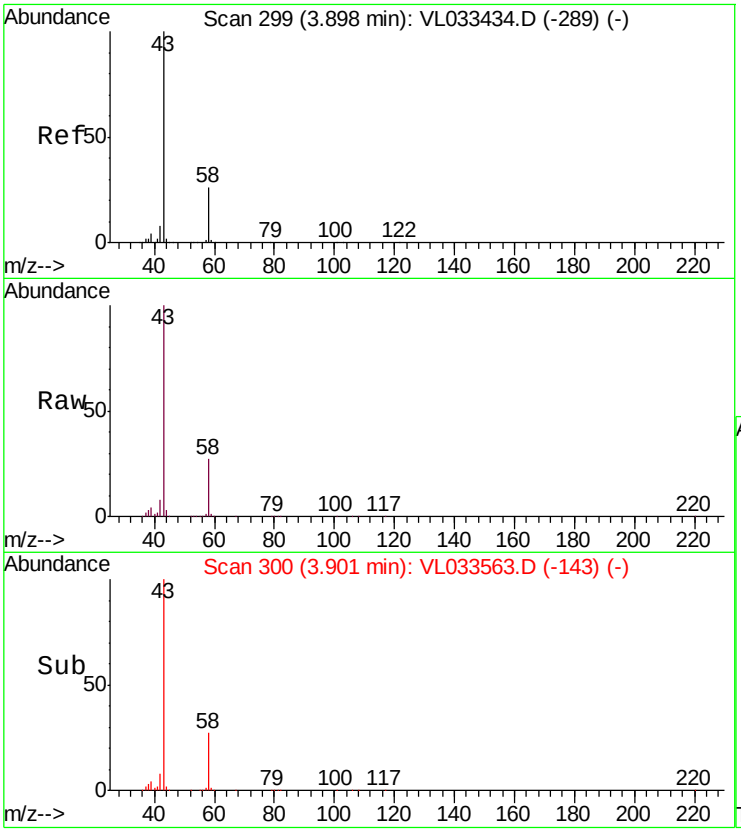


#14
Bromoethene
Concen: 8.825 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:108 Resp: 406551

Ion	Ratio	Lower	Upper
108	100		
106	107.3	86.4	129.6
79	17.1	15.8	23.8



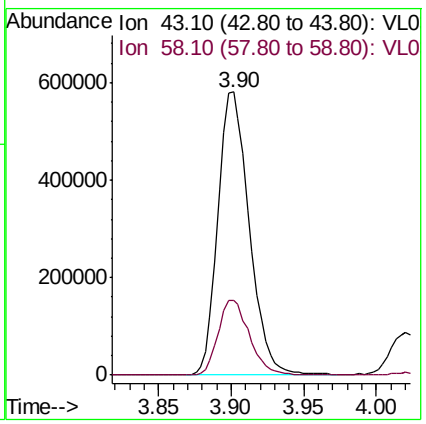


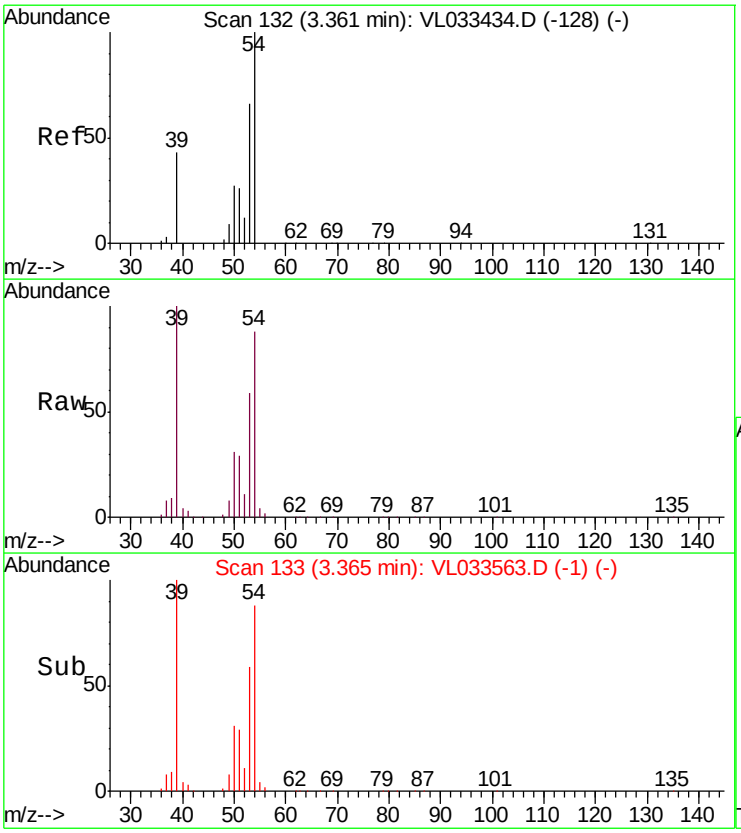
#15
Acetone
Concen: 7.537 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 867030

Ion	Ratio	Lower	Upper
43	100		
58	26.8	20.5	30.7

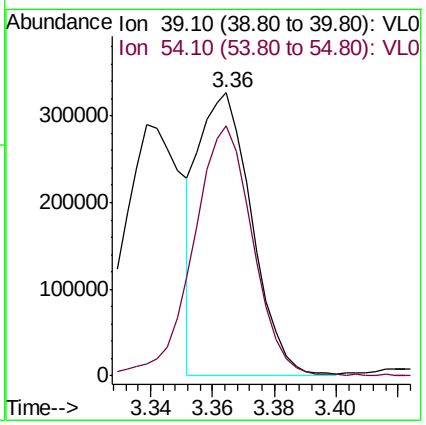


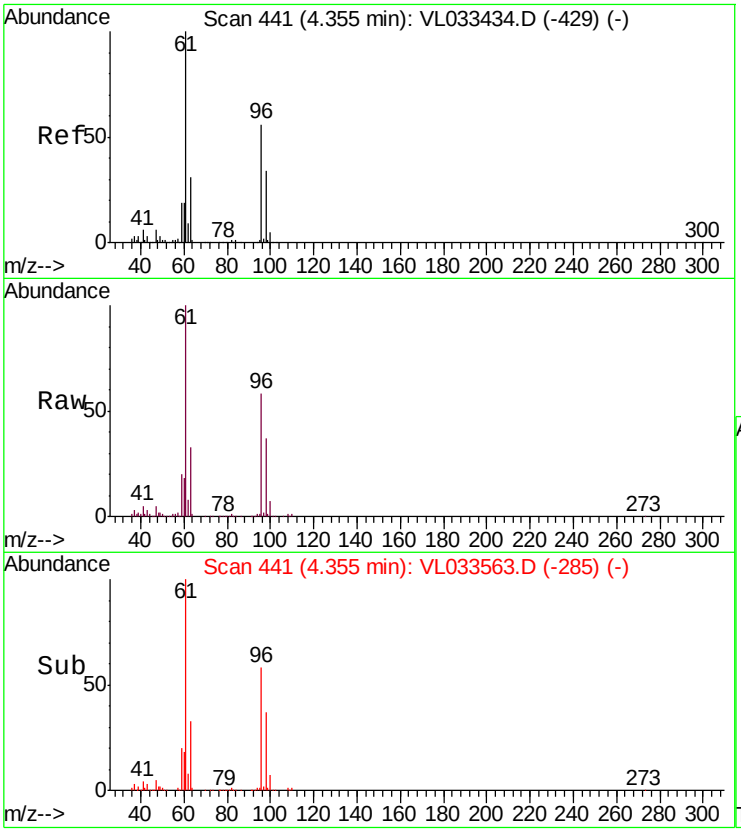


#16
1,3-Butadiene
Concen: 8.548 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 39 Resp: 390030

Ion	Ratio	Lower	Upper
39	100		
54	99.4	69.4	104.2



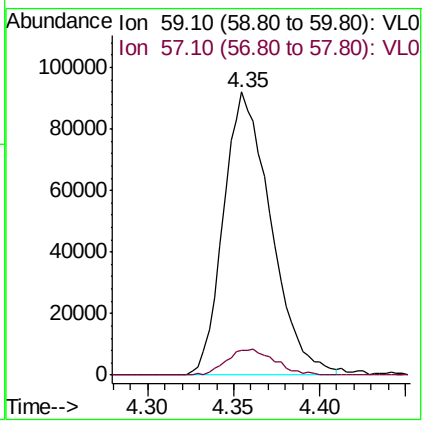


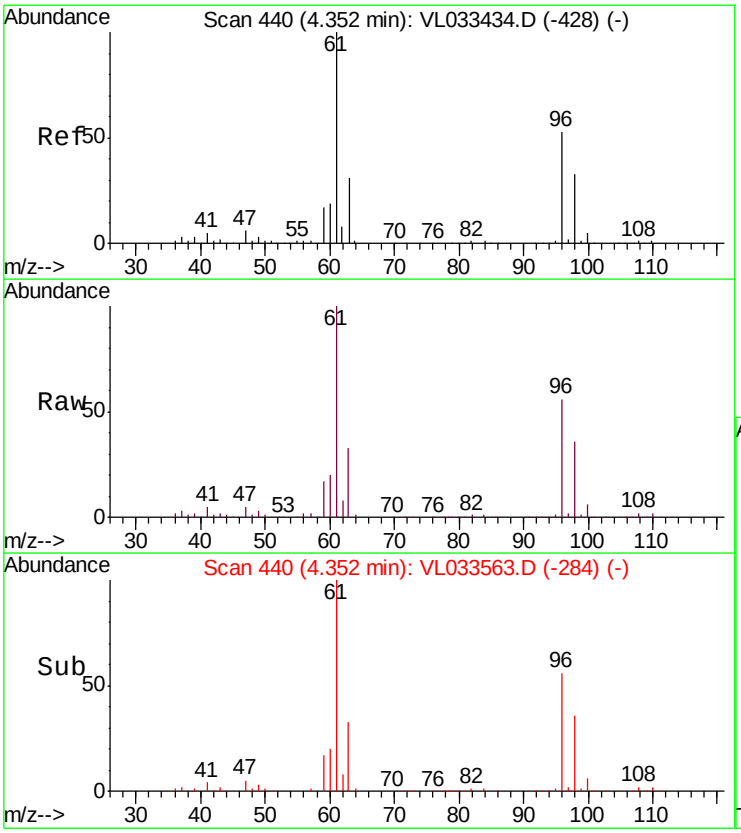
#17
tert-Butyl alcohol
Concen: 8.292 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 175379

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

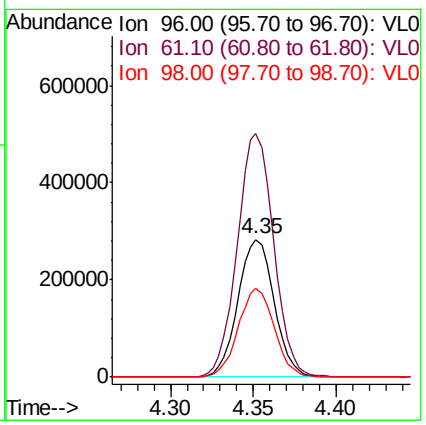


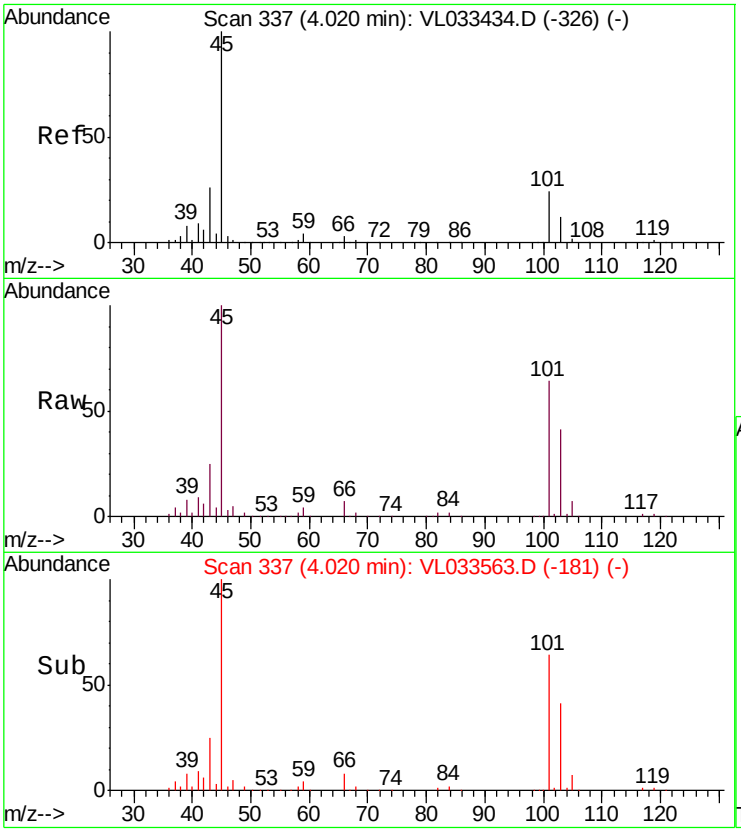


#18
1,1-Dichloroethene
Concen: 8.684 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 96 Resp: 430860

Ion	Ratio	Lower	Upper
96	100		
61	177.1	149.8	224.6
98	64.4	48.7	73.1



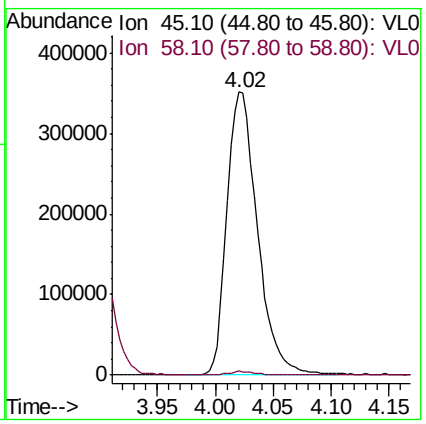


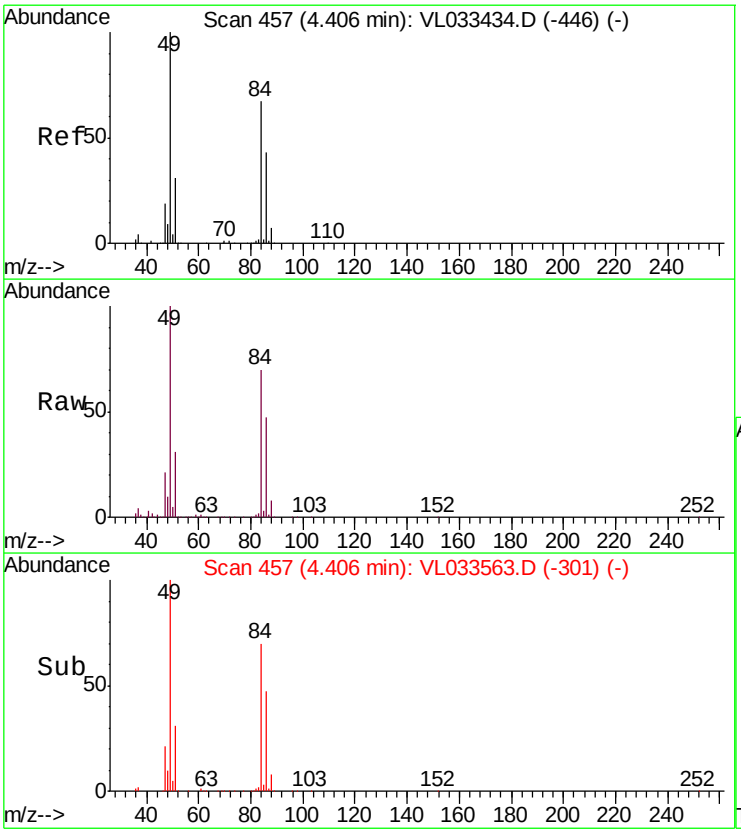
#19
Isopropyl Alcohol
Concen: 8.799 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 640214

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.2

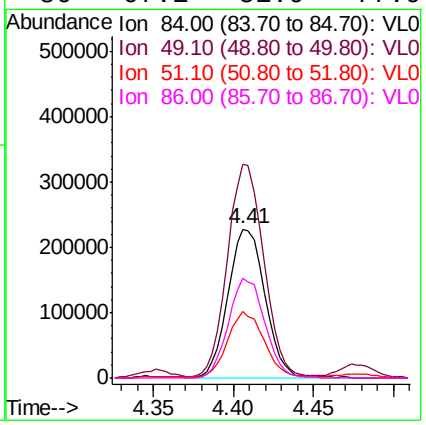


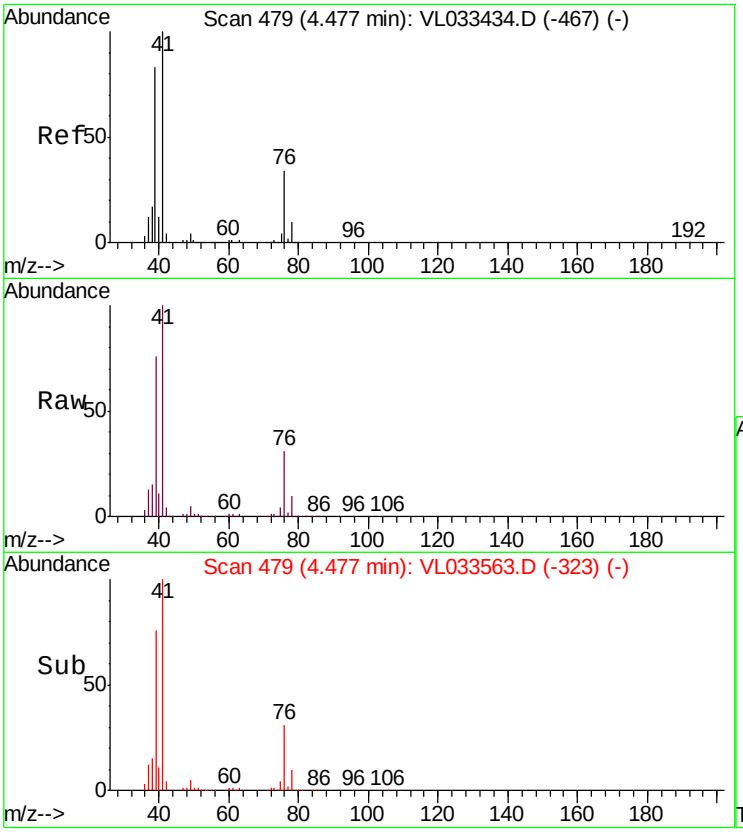


#20
Methylene Chloride
Concen: 7.290 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 84 Resp: 355961

Ion	Ratio	Lower	Upper
84	100		
49	142.5	120.0	180.0
51	44.6	36.7	55.1
86	67.1	51.9	77.9



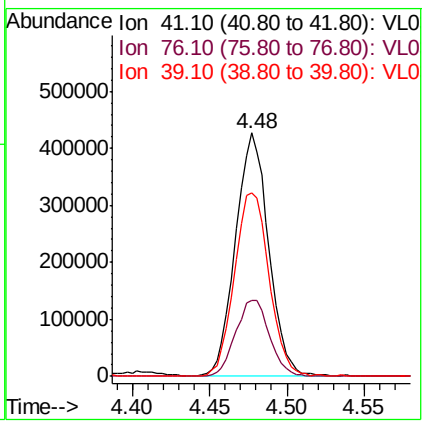


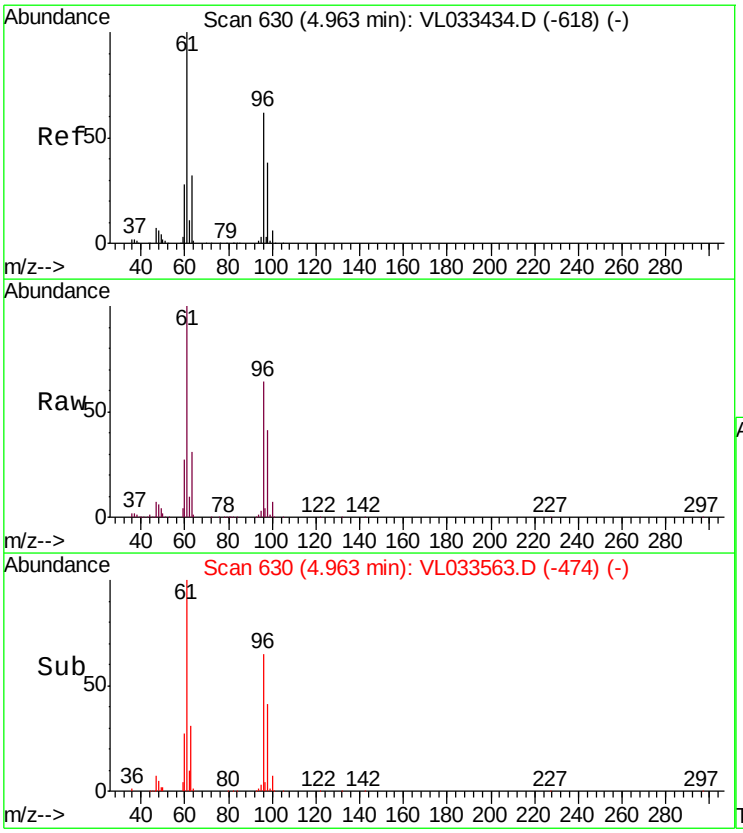
#21
Allyl Chloride
Concen: 8.710 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 633380

Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.4	38.2
39	79.6	65.3	97.9

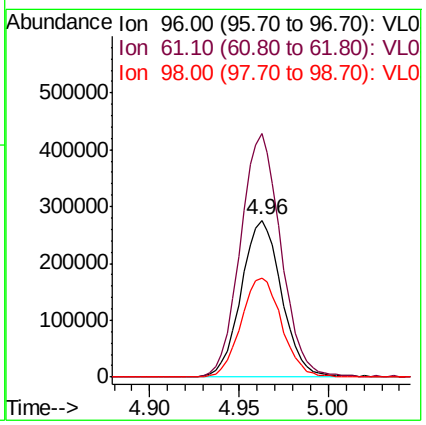


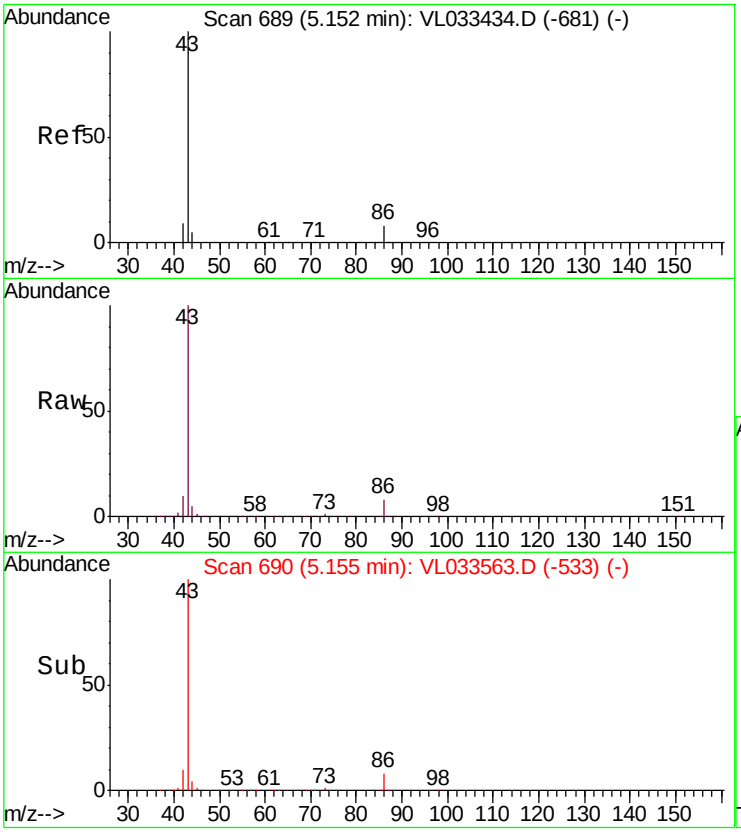


#22
trans-1,2-Dichloroethene
Concen: 8.433 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 96 Resp: 436511

Ion	Ratio	Lower	Upper
96	100		
61	155.4	128.9	193.3
98	63.5	49.5	74.3



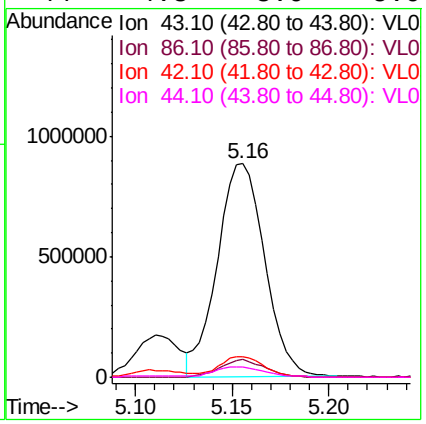


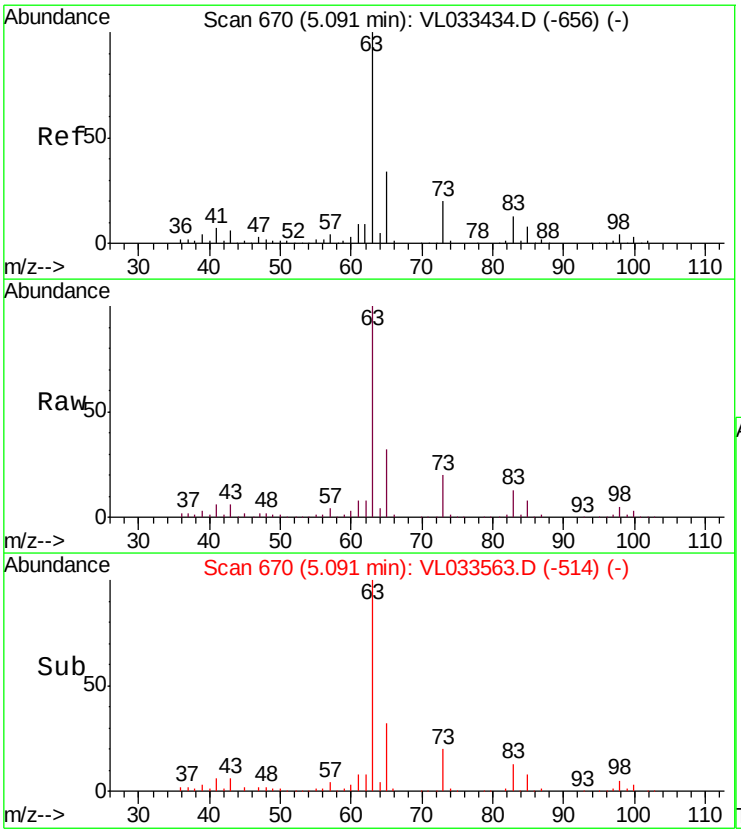
#23
Vinyl Acetate
Concen: 9.142 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1496827

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.6	8.4
42	9.6	8.0	12.0
44	4.8	3.9	5.9

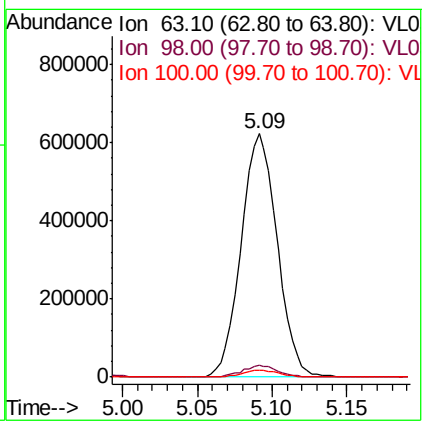


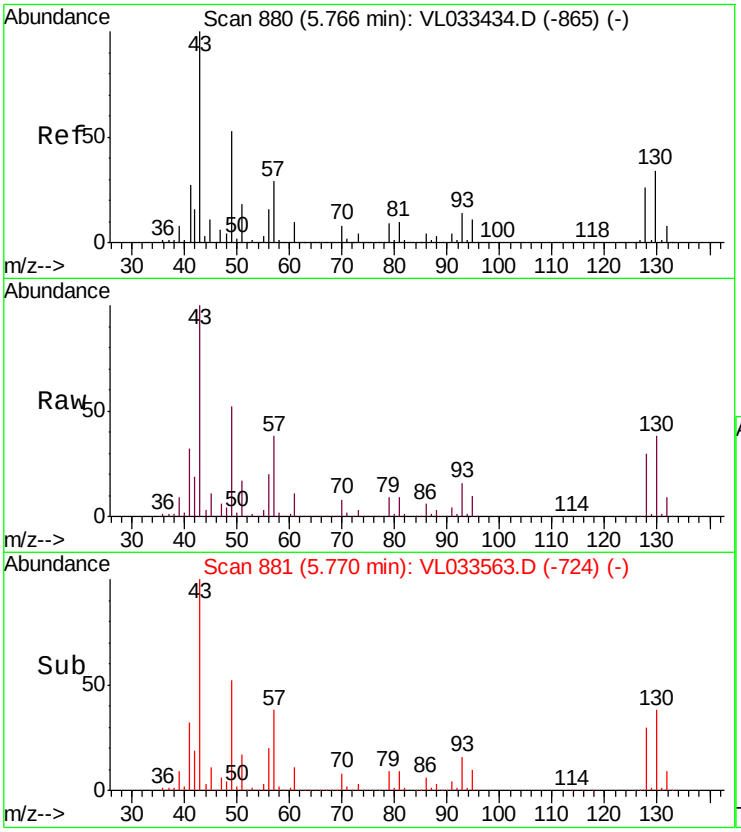


#24
1,1-Dichloroethane
Concen: 8.367 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 63 Resp: 1040688

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.2	6.6
100	2.8	1.5	4.4



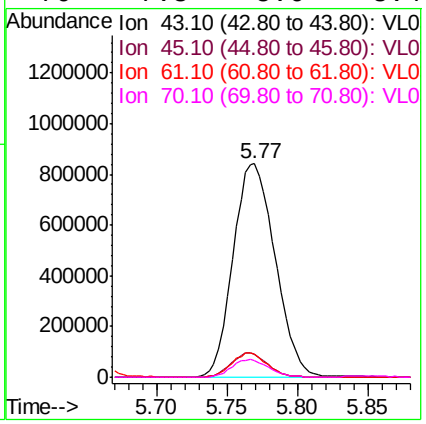


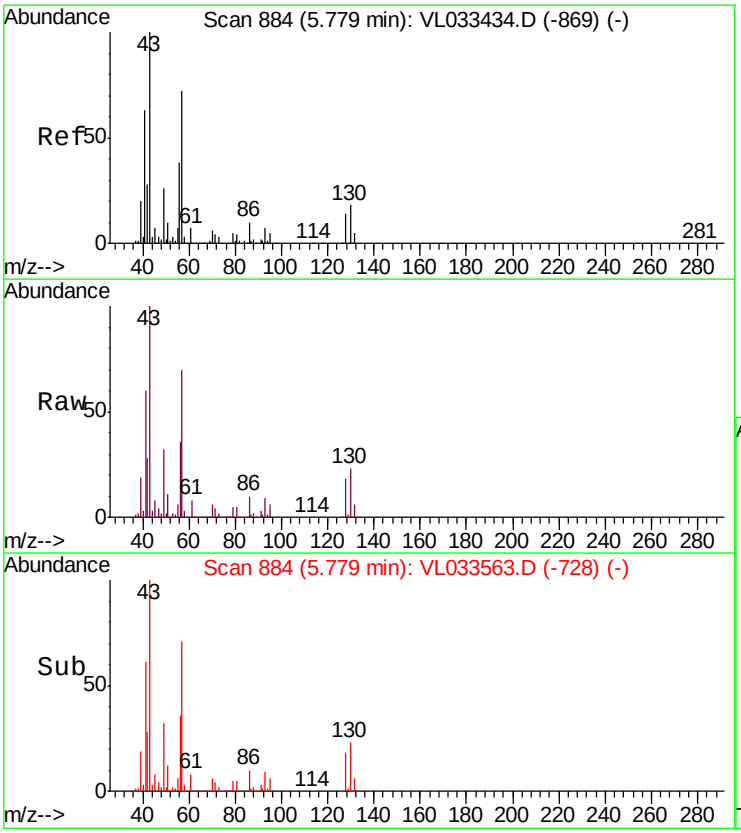
#25
Ethyl Acetate
Concen: 8.239 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1758405

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.8	7.3	10.9
70	7.3	5.6	8.4

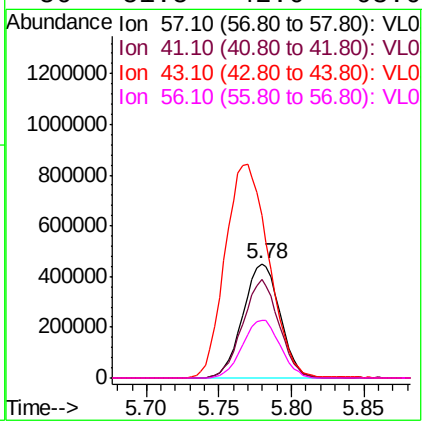


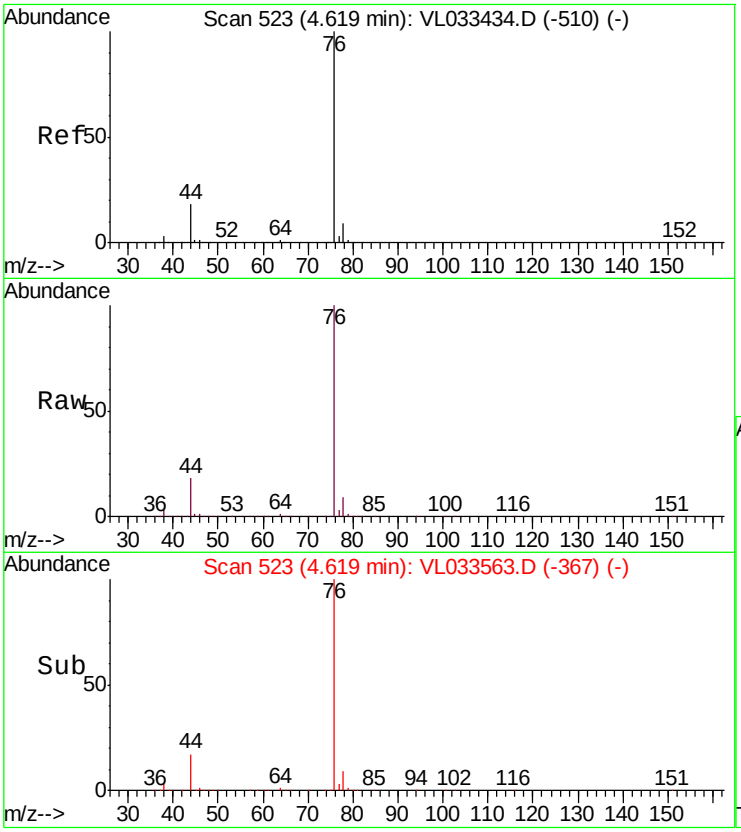


#26
Hexane
Concen: 8.469 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 57 Resp: 803733

Ion	Ratio	Lower	Upper
57	100		
41	83.9	70.7	106.1
43	219.6	182.6	274.0
56	51.5	42.0	63.0



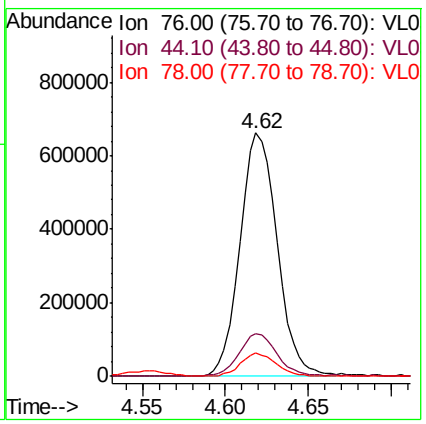


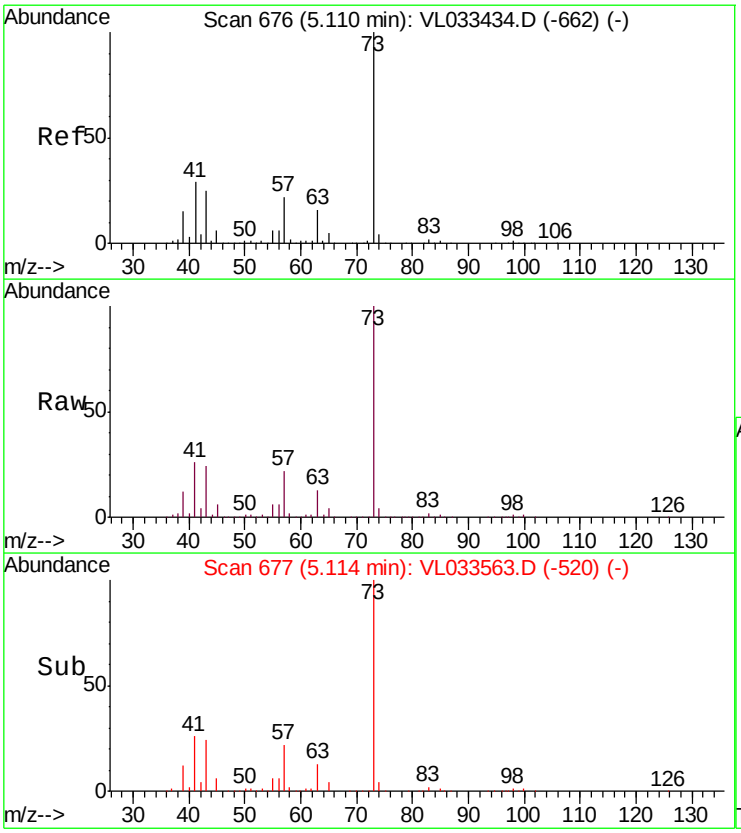
#27
Carbon Disulfide
Concen: 9.164 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1034128

Ion	Ratio	Lower	Upper
76	100		
44	17.5	14.8	22.2
78	9.0	7.6	11.4

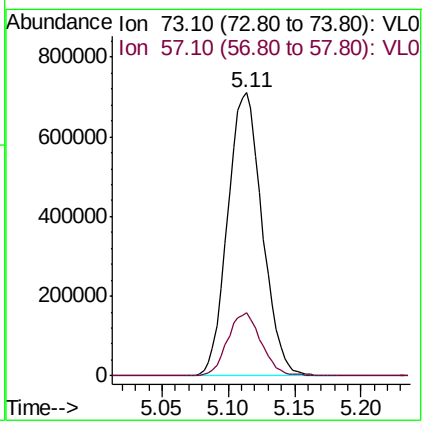


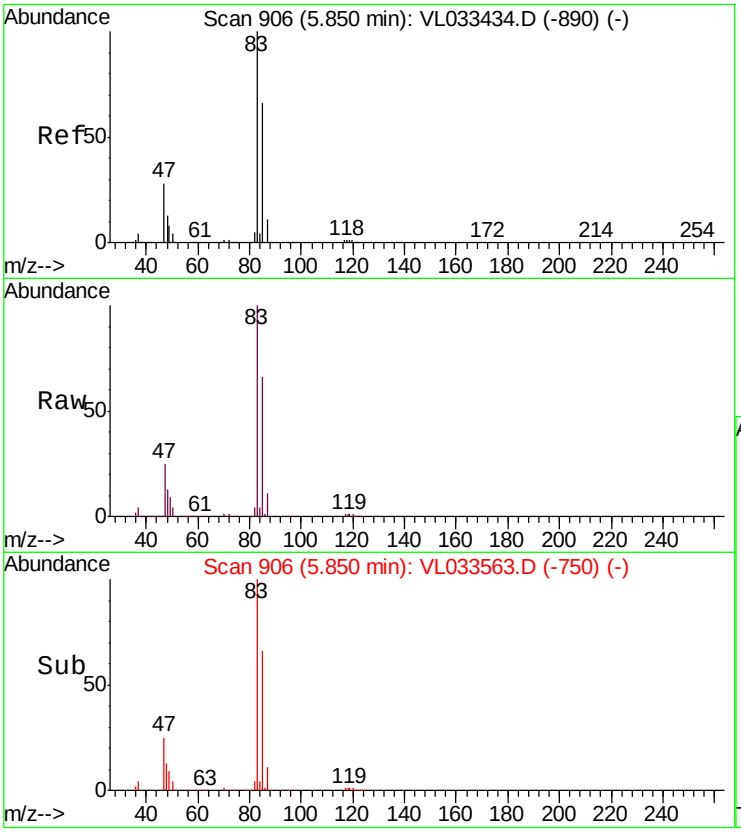


#28
Methyl tert-Butyl Ether
Concen: 9.419 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 73 Resp: 1287401

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



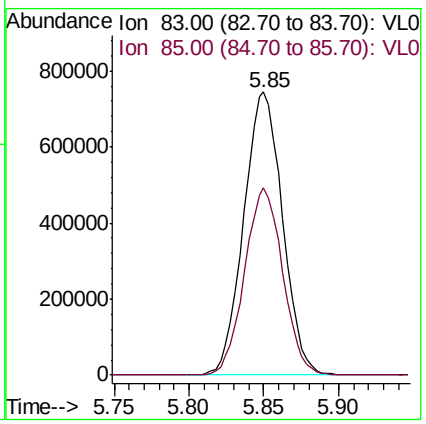


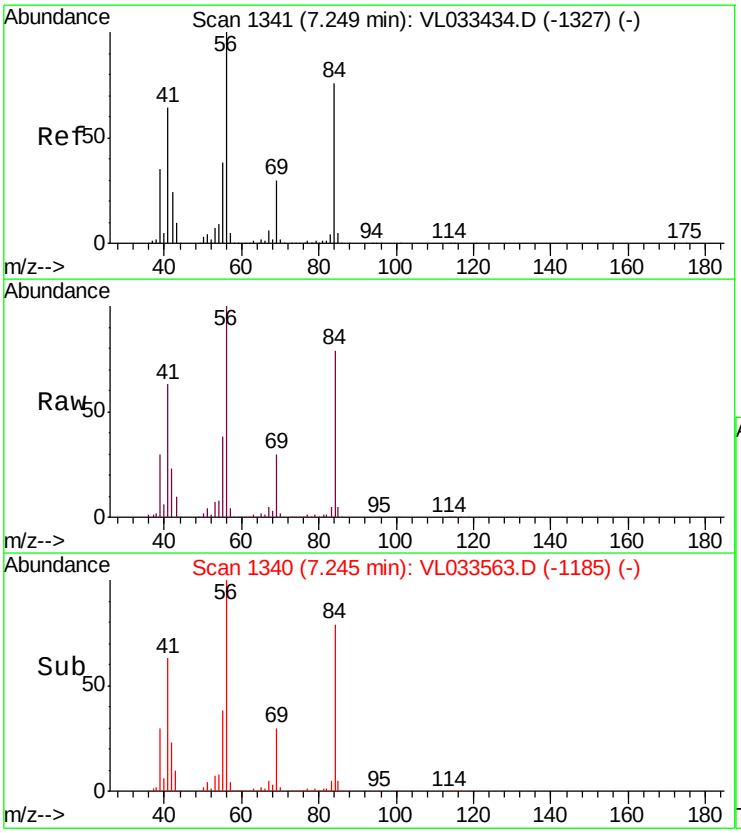
#29
Chloroform
Concen: 8.258 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1343386

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	79.0

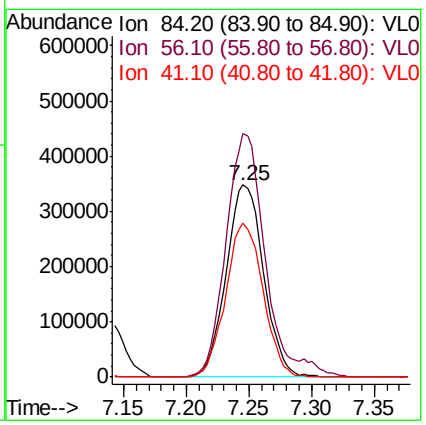


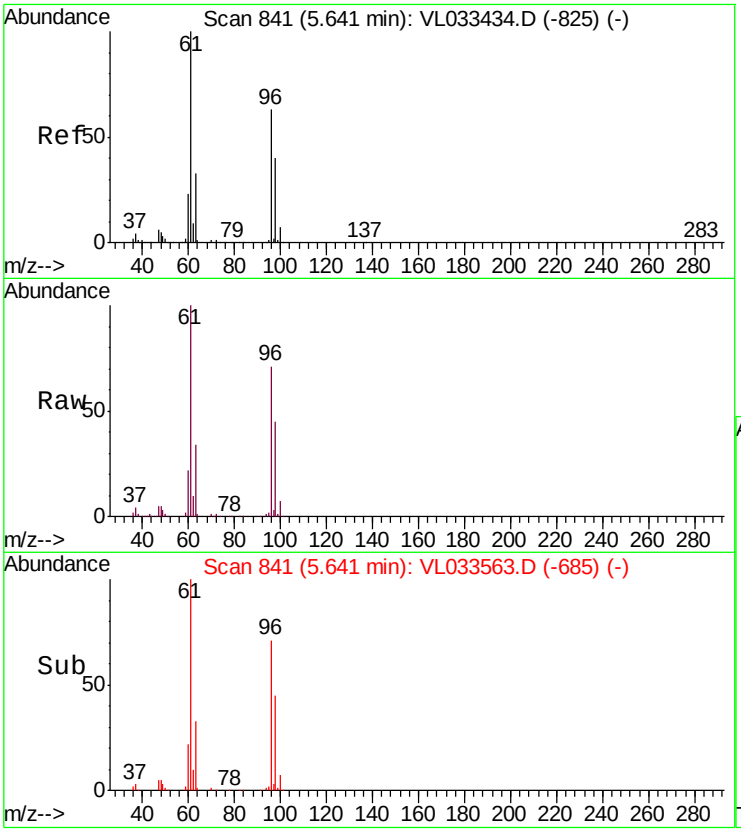


#30
Cyclohexane
Concen: 9.577 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 84 Resp: 719021

Ion	Ratio	Lower	Upper
84	100		
56	134.2	109.7	164.5
41	80.1	68.2	102.2



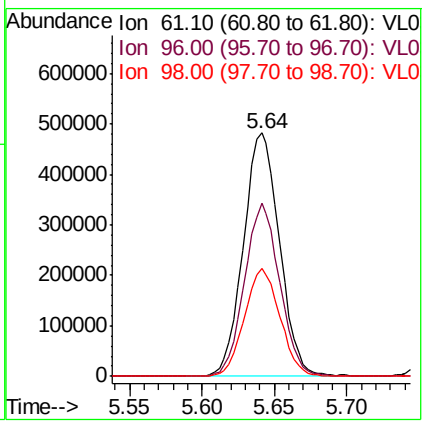


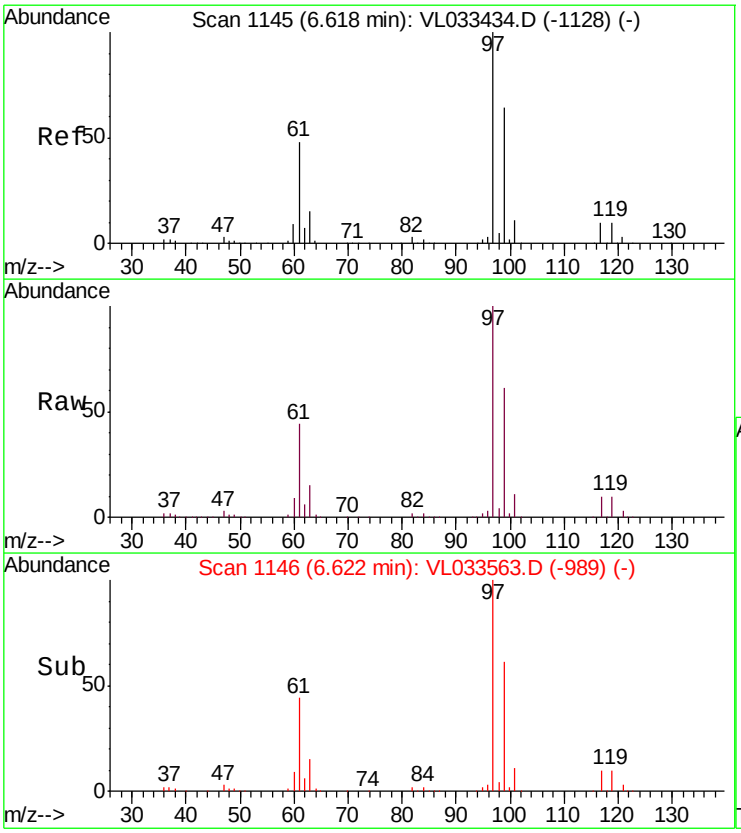
#31
cis-1,2-Dichloroethene
Concen: 8.859 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 835856

Ion	Ratio	Lower	Upper
61	100		
96	71.0	50.6	76.0
98	44.6	32.2	48.2

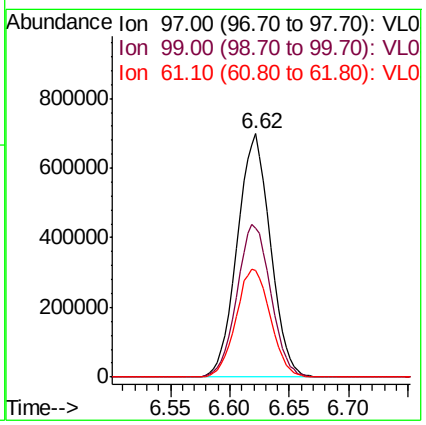


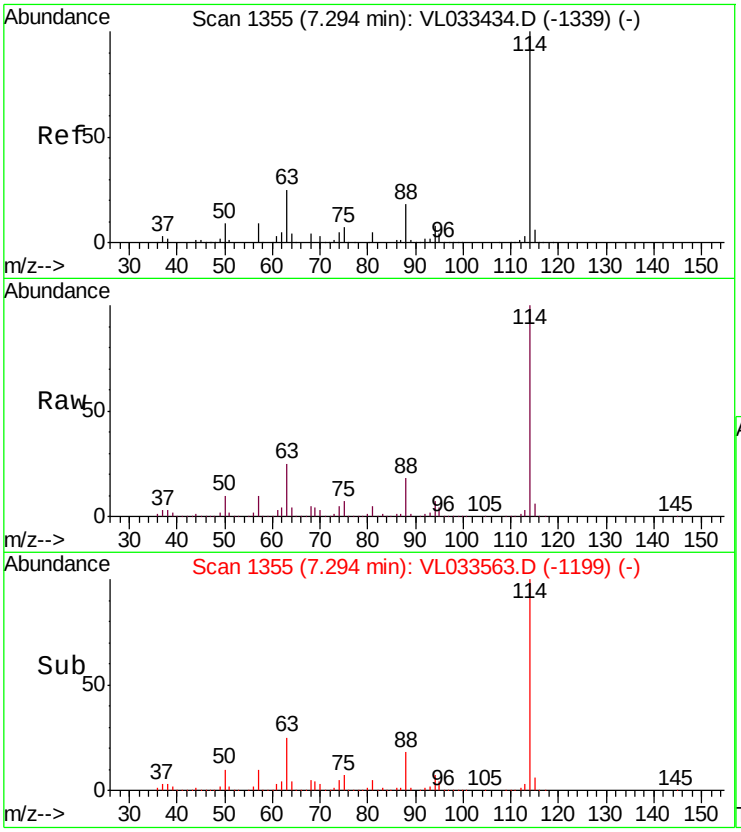


#32
1,1,1-Trichloroethane
Concen: 8.710 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 97 Resp: 1349304

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	46.0	38.8	58.2



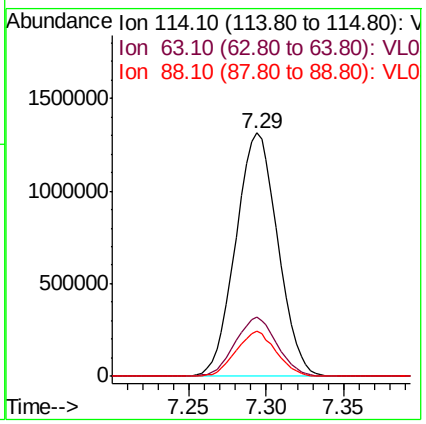


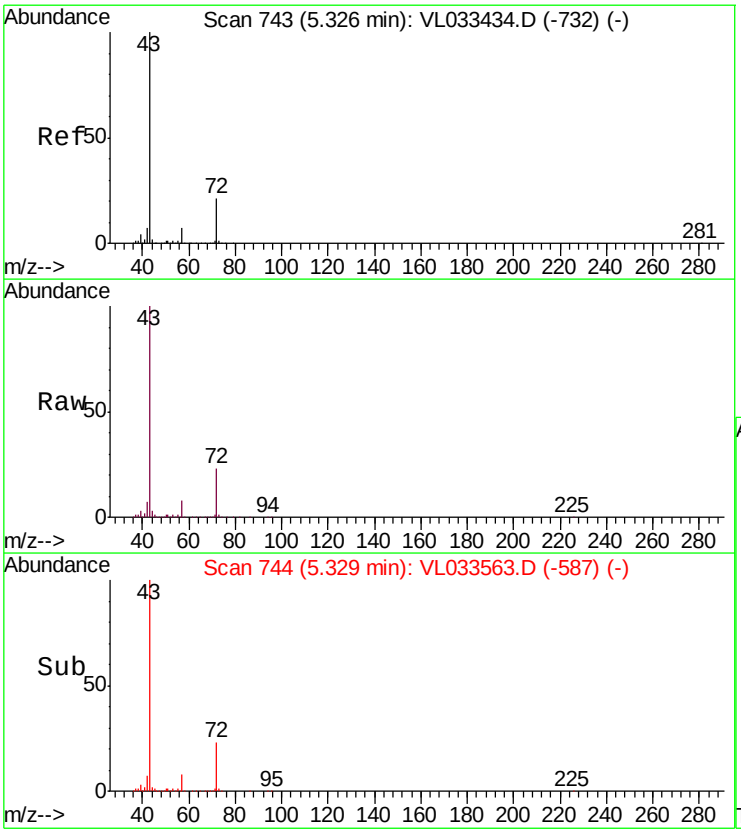
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2493541

Ion	Ratio	Lower	Upper
114	100		
63	24.4	21.5	32.3
88	17.6	14.5	21.7

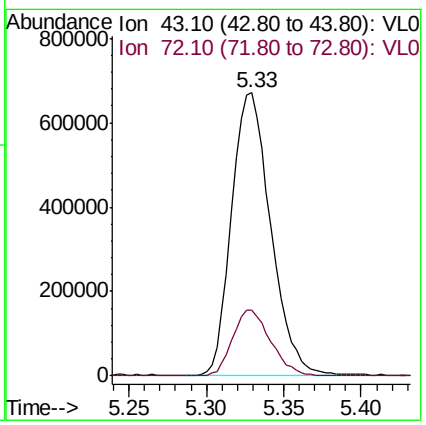


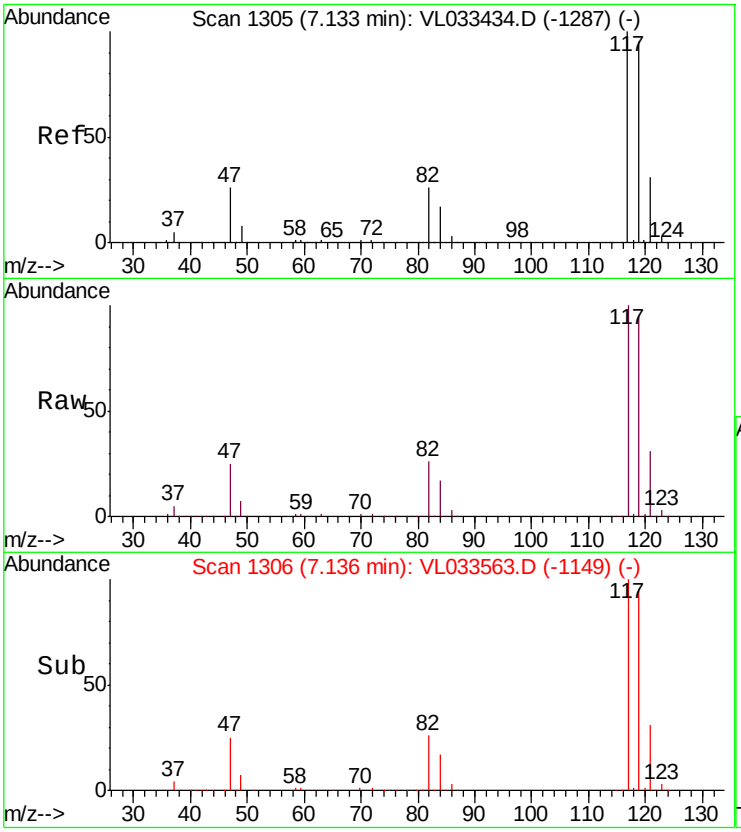


#34
2-Butanone
Concen: 7.843 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 43 Resp: 1175020

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.4	26.2



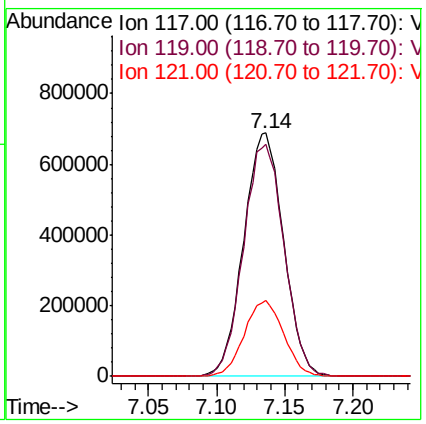


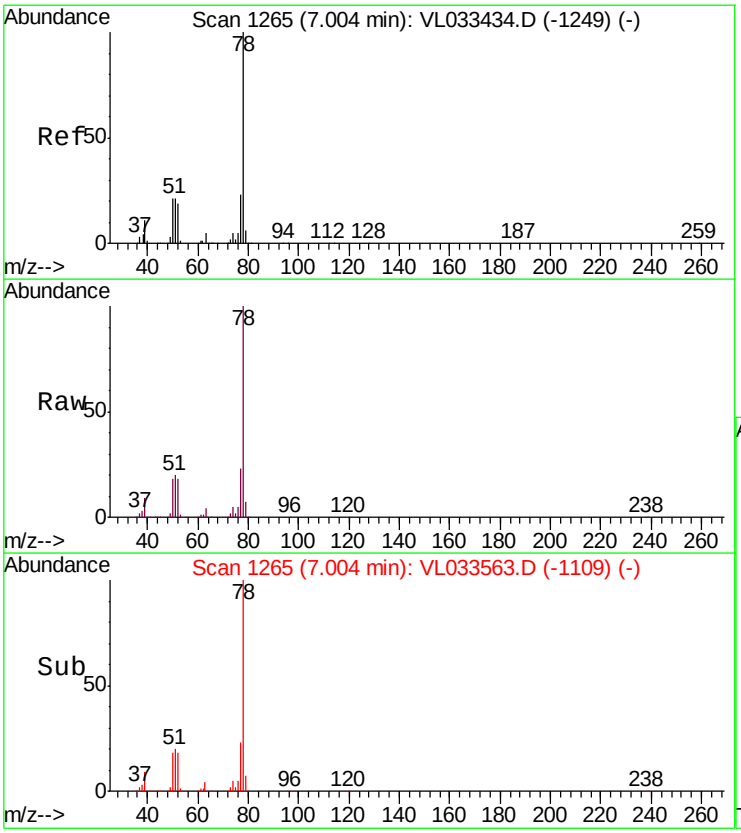
#35
Carbon Tetrachloride
Concen: 7.911 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1397209

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.8
121	31.1	24.7	37.1

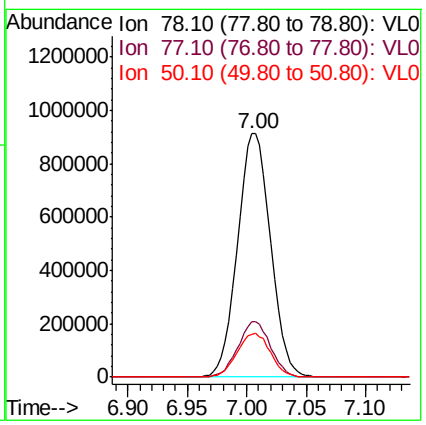


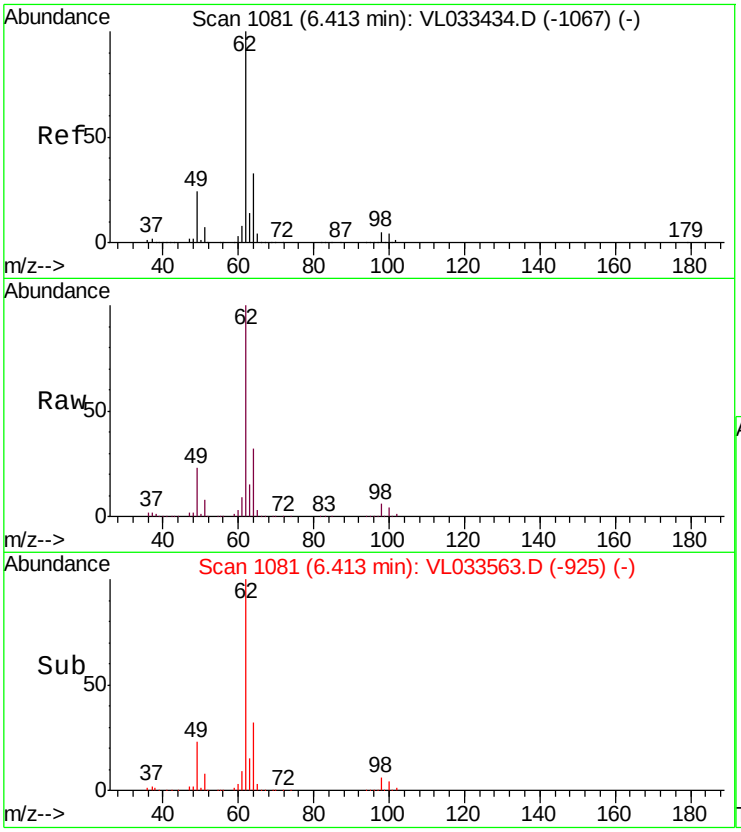


#36
Benzene
Concen: 8.389 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 78 Resp: 1755271

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.1	27.1
50	17.7	16.7	25.1



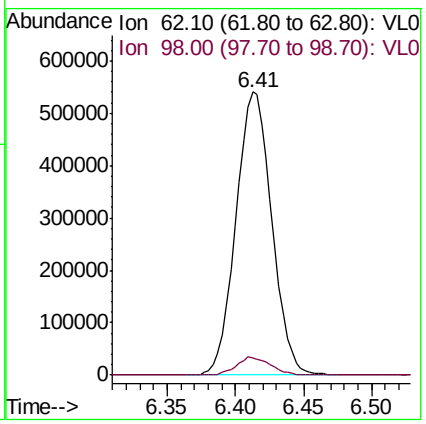


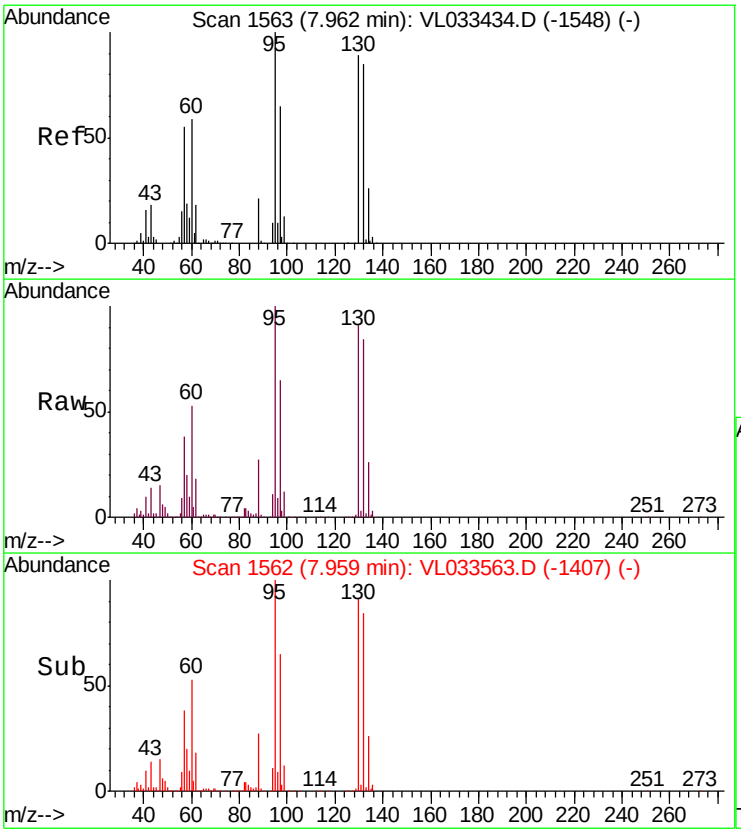
#37
1,2-Dichloroethane
Concen: 7.030 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 985936

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.4	6.6

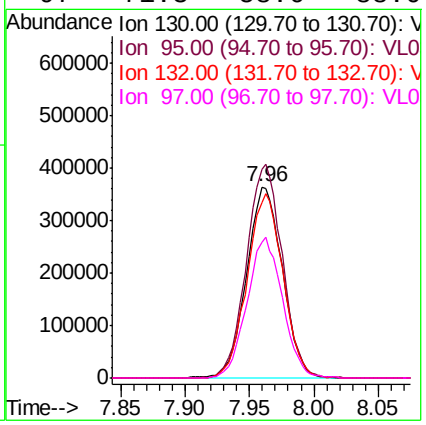


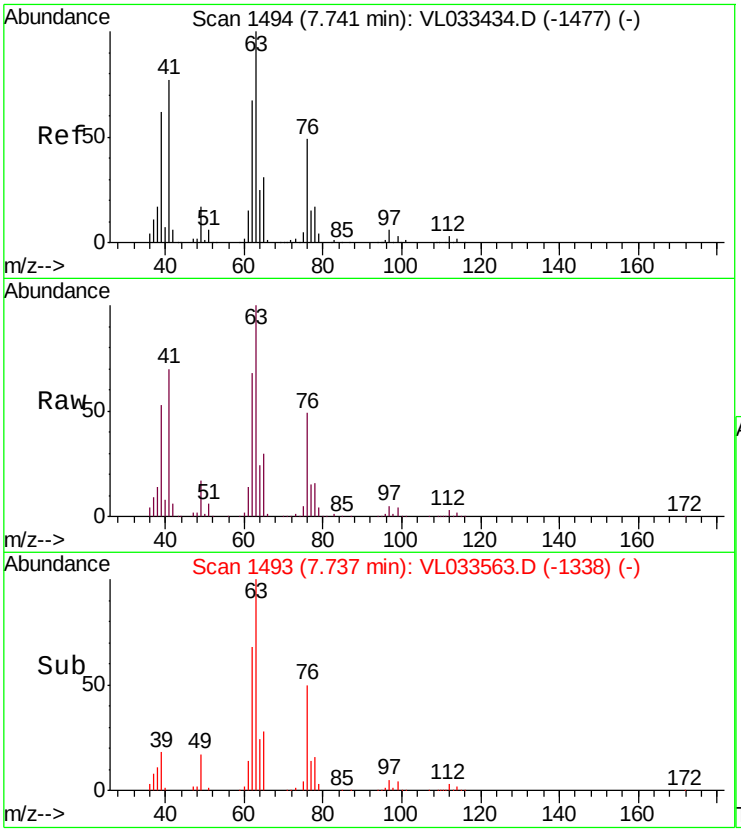


#38
Trichloroethene
Concen: 8.958 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:130 Resp: 705353

Ion	Ratio	Lower	Upper
130	100		
95	109.6	89.8	134.8
132	91.9	76.6	115.0
97	71.3	58.6	88.0



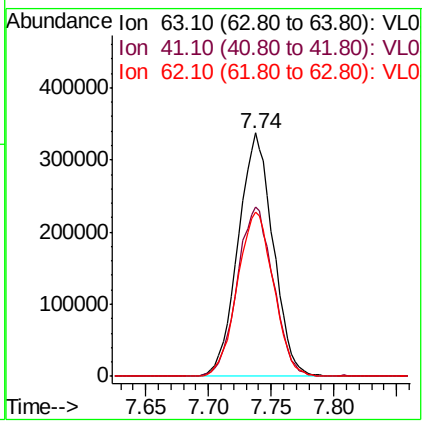


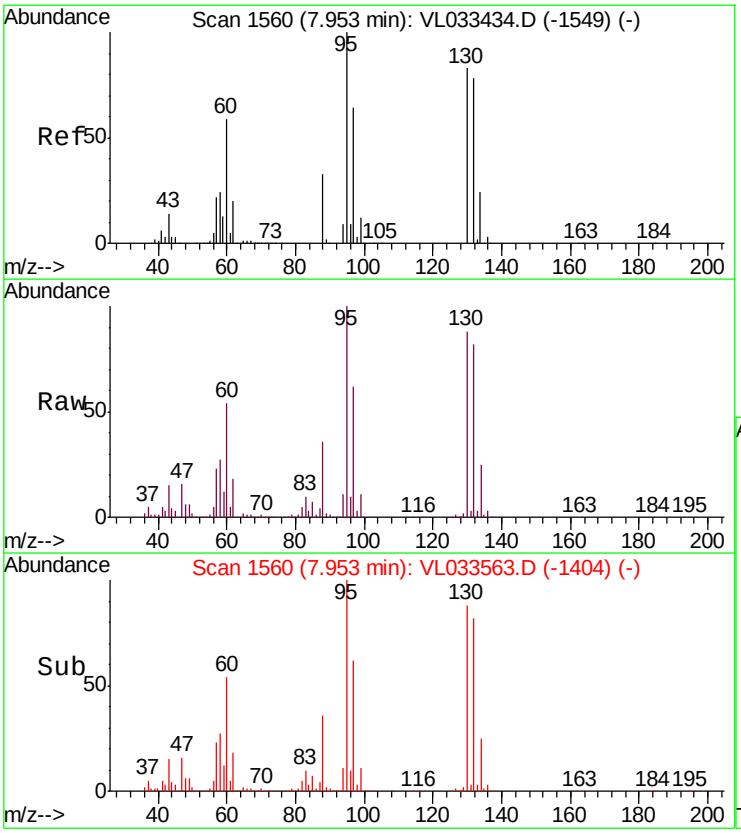
#39
1,2-Dichloropropane
Concen: 7.987 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 654579

Ion	Ratio	Lower	Upper
63	100		
41	69.7	61.2	91.8
62	67.6	54.0	81.0

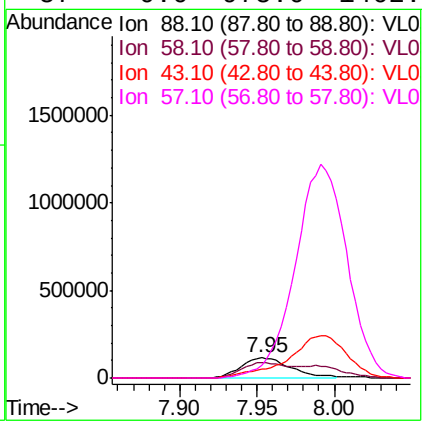


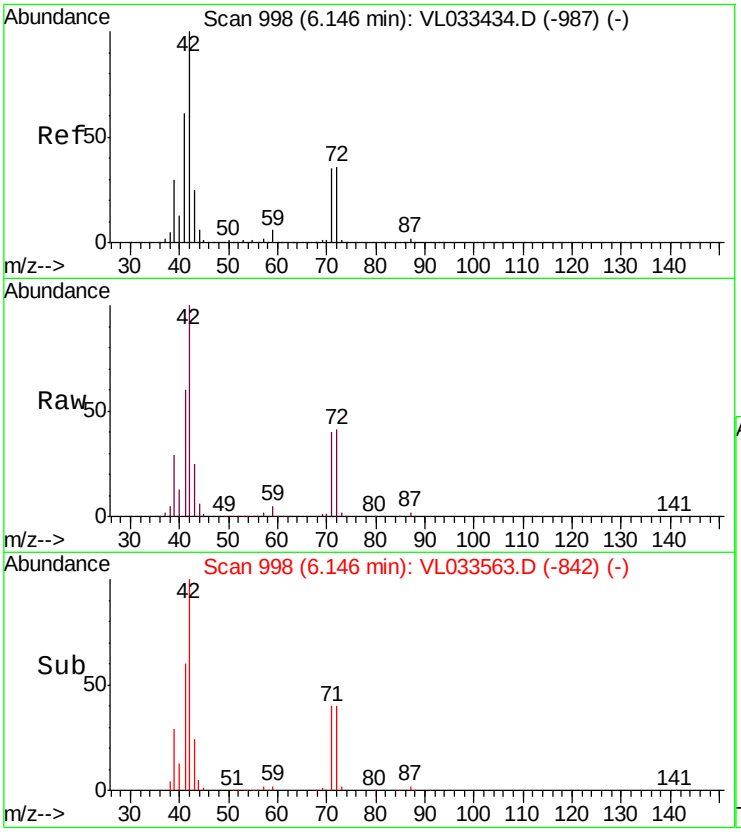


#40
1,4-Dioxane
Concen: 8.830 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 88 Resp: 258116

Ion	Ratio	Lower	Upper
88	100		
58	123.7	105.6	158.4
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#



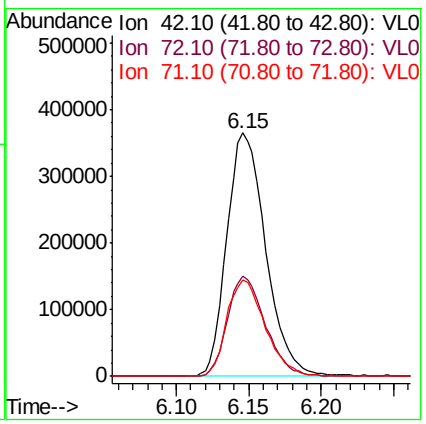


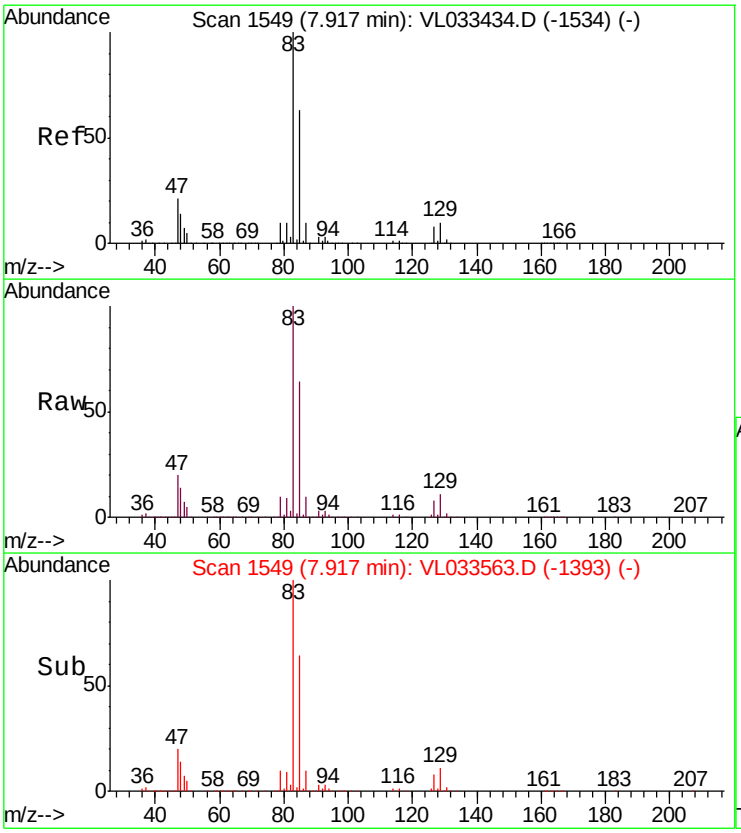
#41
Tetrahydrofuran
Concen: 8.245 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 679408

Ion	Ratio	Lower	Upper
42	100		
72	40.0	30.2	45.2
71	39.3	29.4	44.2

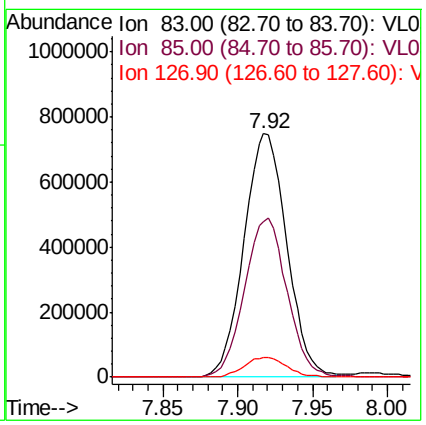


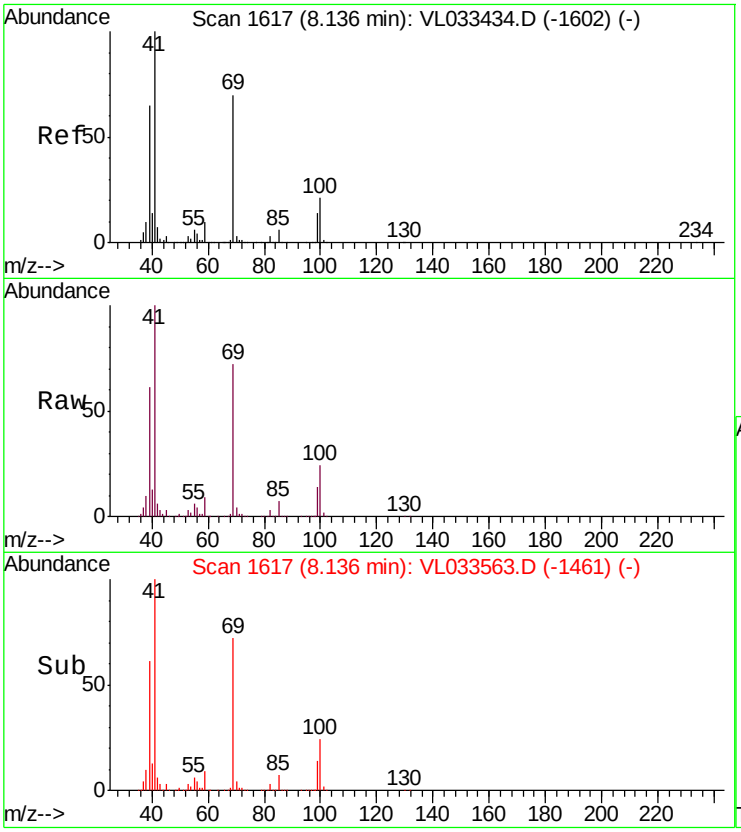


#42
Bromodichloromethane
Concen: 7.808 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 83 Resp: 1491375

Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.7	76.1
127	8.3	6.6	9.8



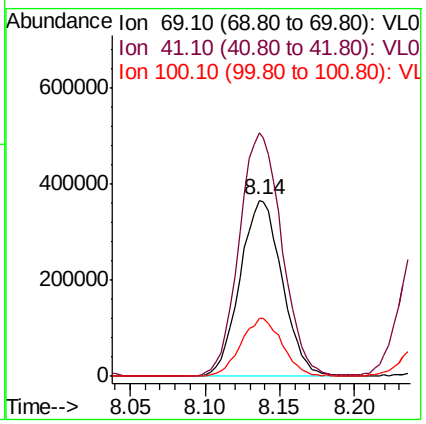


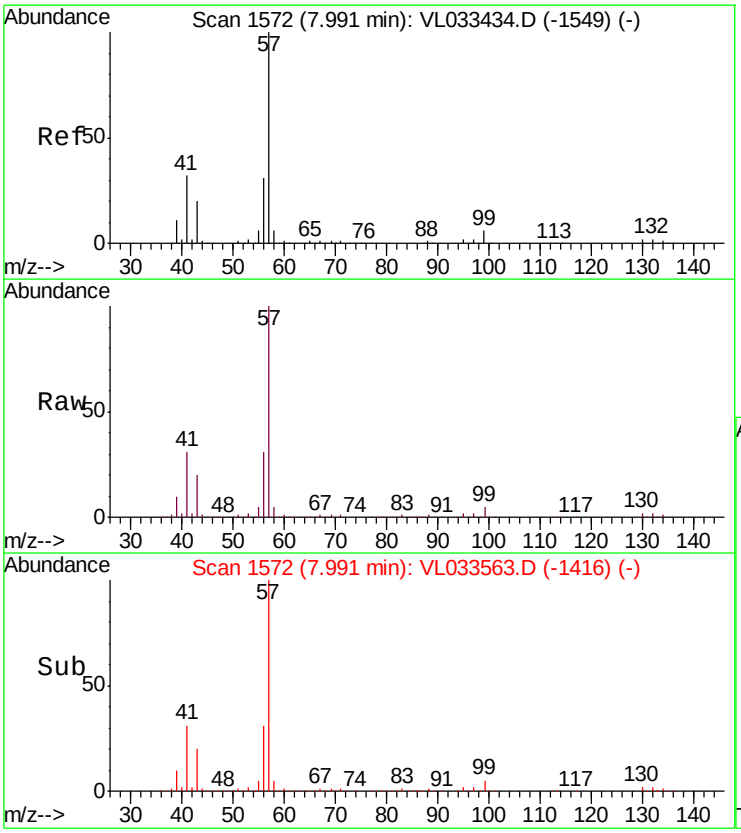
#43
Methyl Methacrylate
Concen: 8.471 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 719670

Ion	Ratio	Lower	Upper
69	100		
41	140.3	116.6	174.8
100	32.4	24.4	36.6

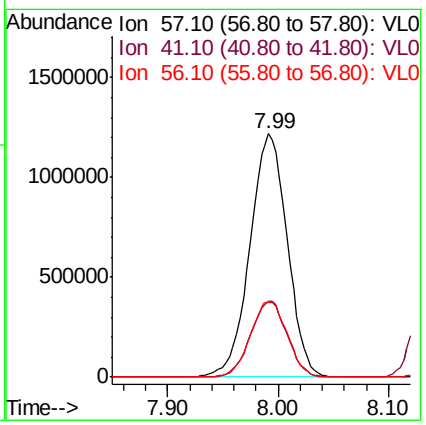


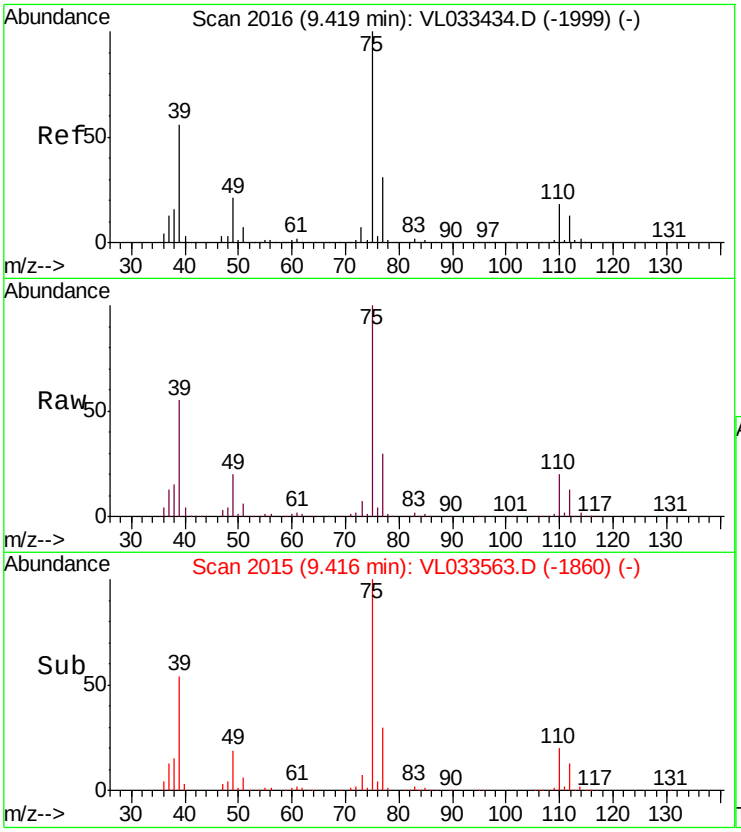


#44
2,2,4-Trimethylpentane
Concen: 7.804 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 57 Resp: 2853151

Ion	Ratio	Lower	Upper
57	100		
41	30.7	26.0	39.0
56	30.7	24.6	37.0



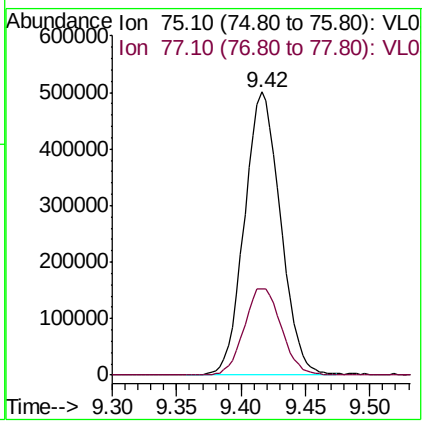


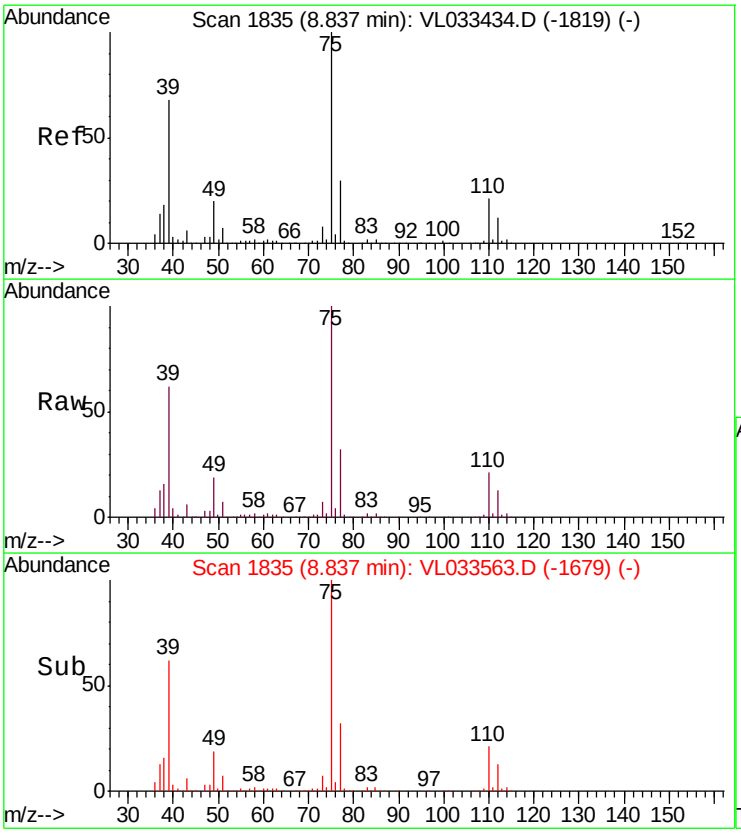
#45
t-1,3-Dichloropropene
Concen: 9.380 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 978378

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.5	36.7

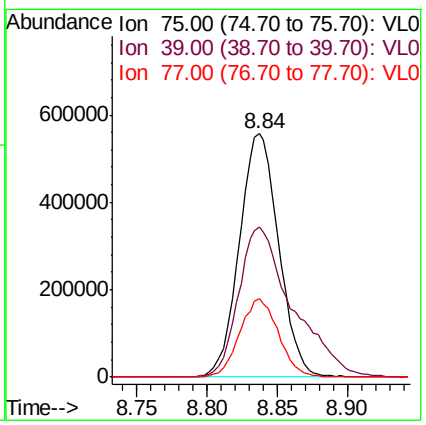


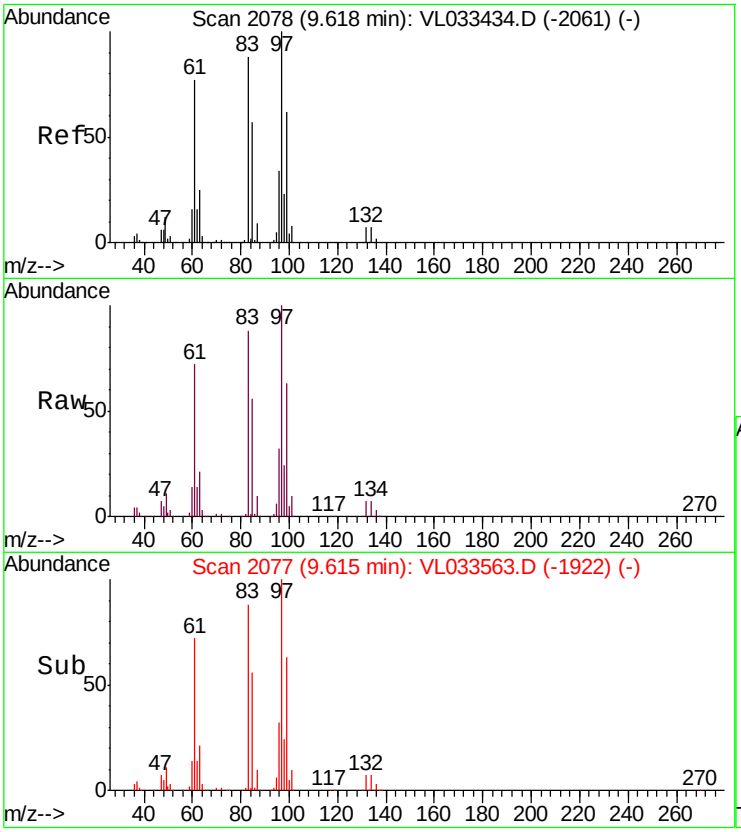


#46
cis-1,3-Dichloropropene
Concen: 8.934 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 75 Resp: 1088267

Ion	Ratio	Lower	Upper
75	100		
39	61.8	54.1	81.1
77	32.2	23.9	35.9



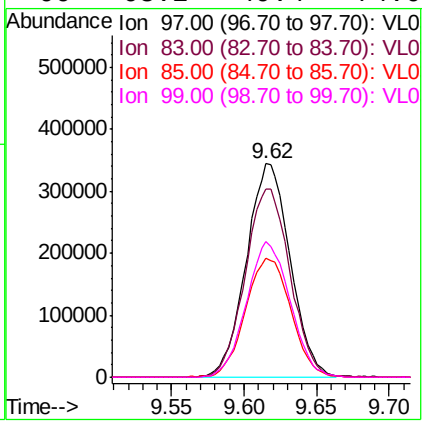


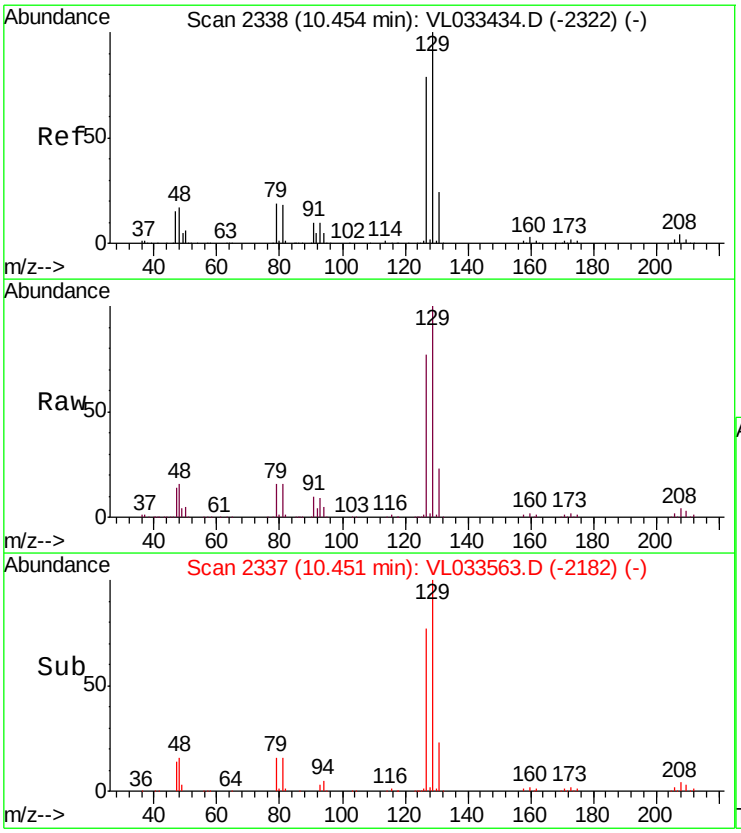
#47
1,1,2-Trichloroethane
Concen: 7.783 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 724365

Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	55.4	45.6	68.4
99	63.2	49.4	74.0

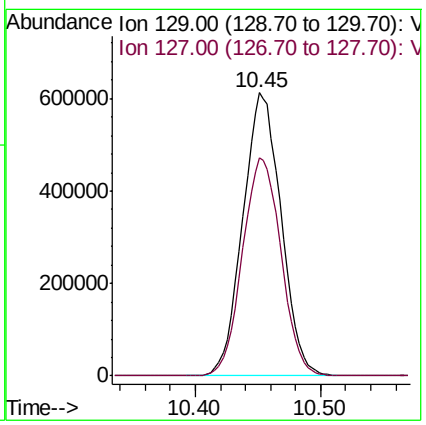


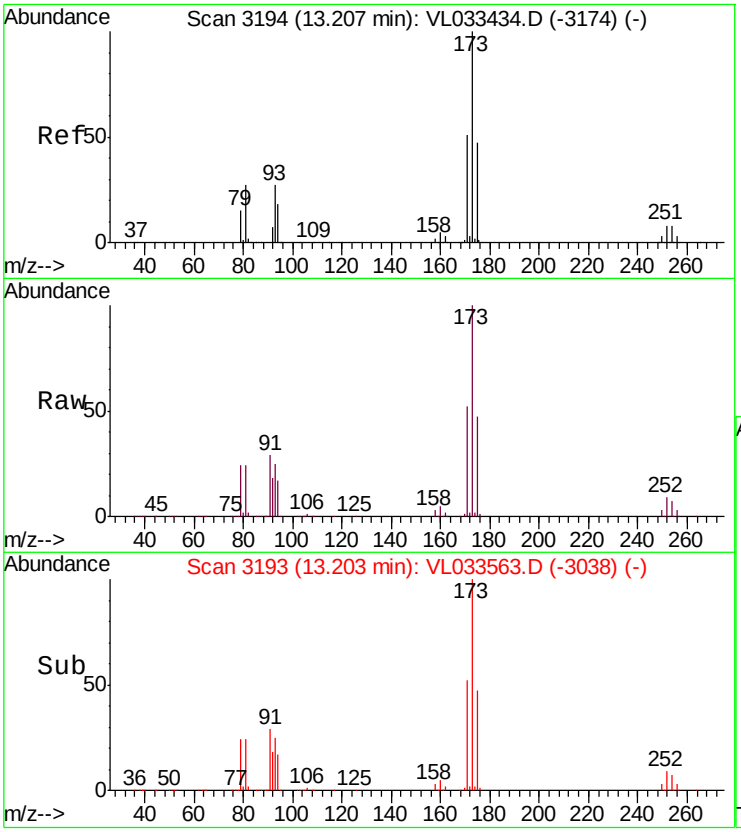


#48
Dibromochloromethane
Concen: 8.288 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:129 Resp: 1301072

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2



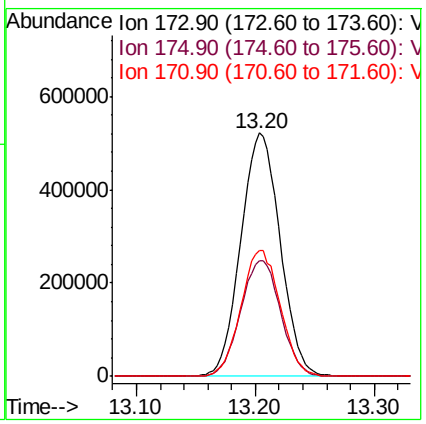


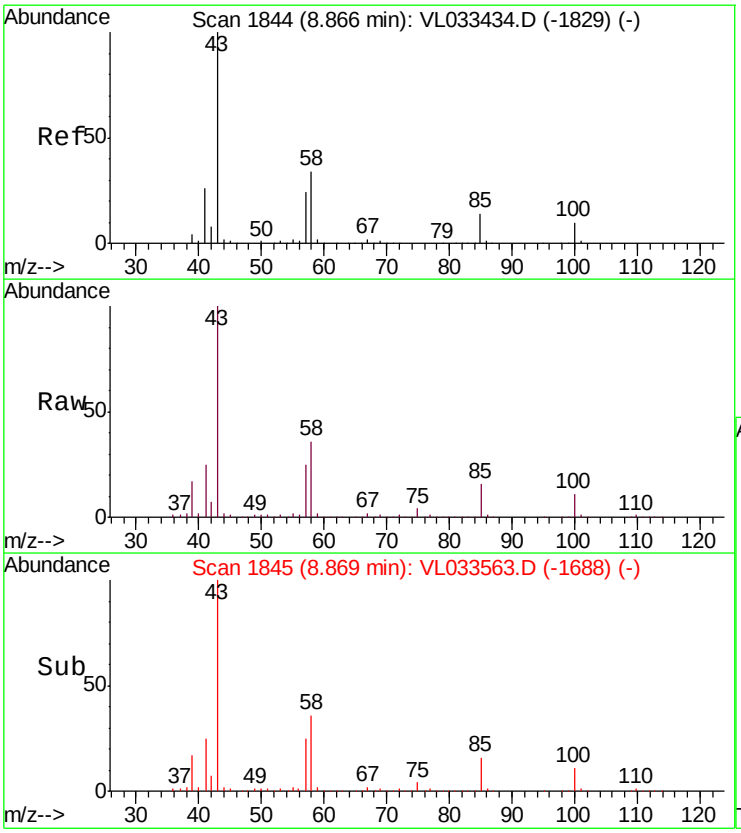
#49
Bromoform
Concen: 7.968 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1194929

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.3	58.9
171	51.8	41.2	61.8

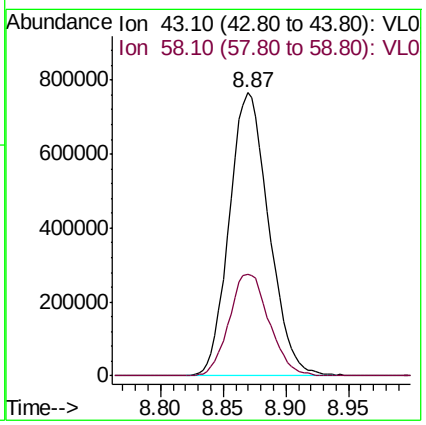


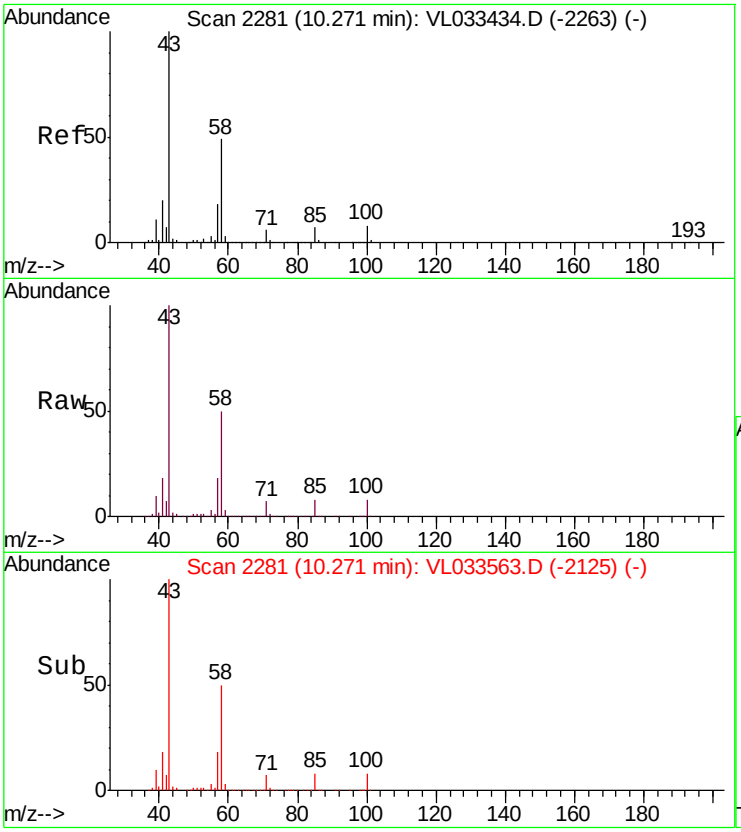


#50
4-Methyl-2-Pentanone
Concen: 7.652 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 43 Resp: 1678707

Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.0	42.0



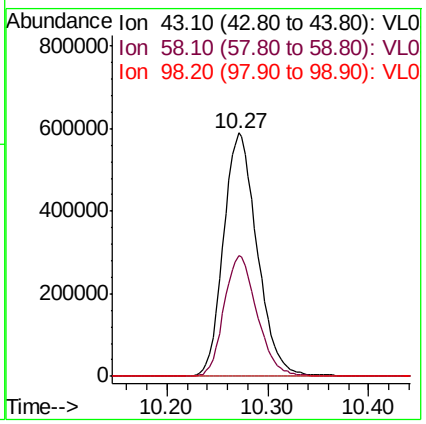


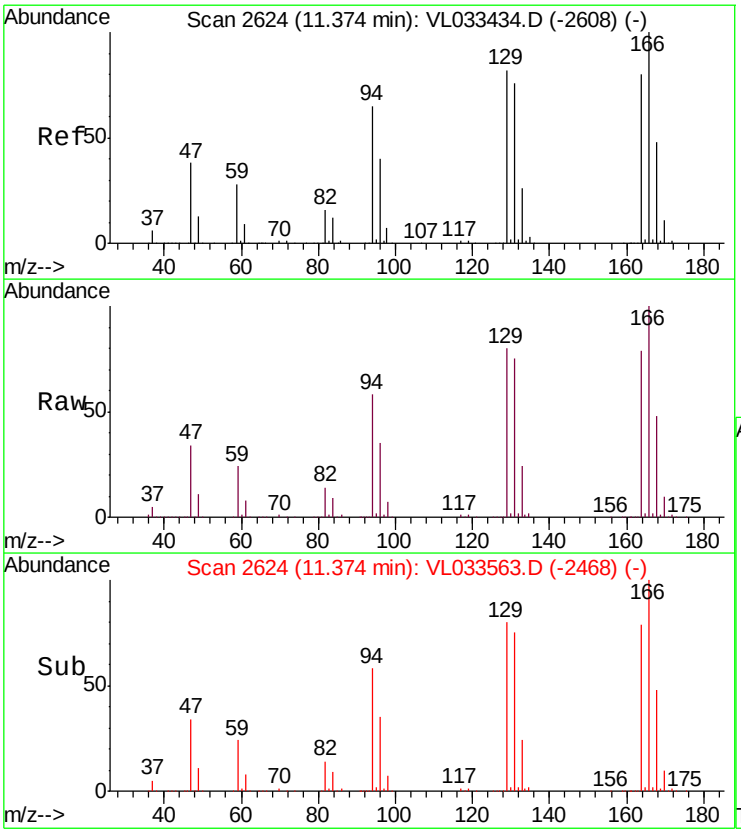
#51
2-Hexanone
Concen: 8.368 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1369297

Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.2	57.2
98	0.1	0.2	0.2#

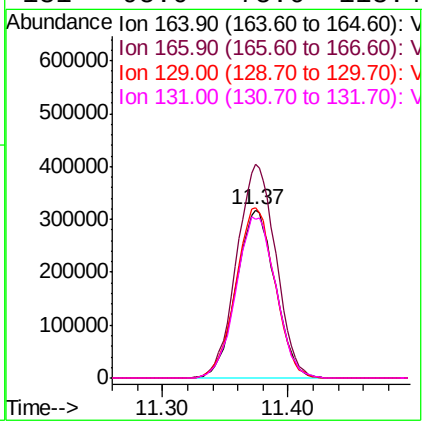


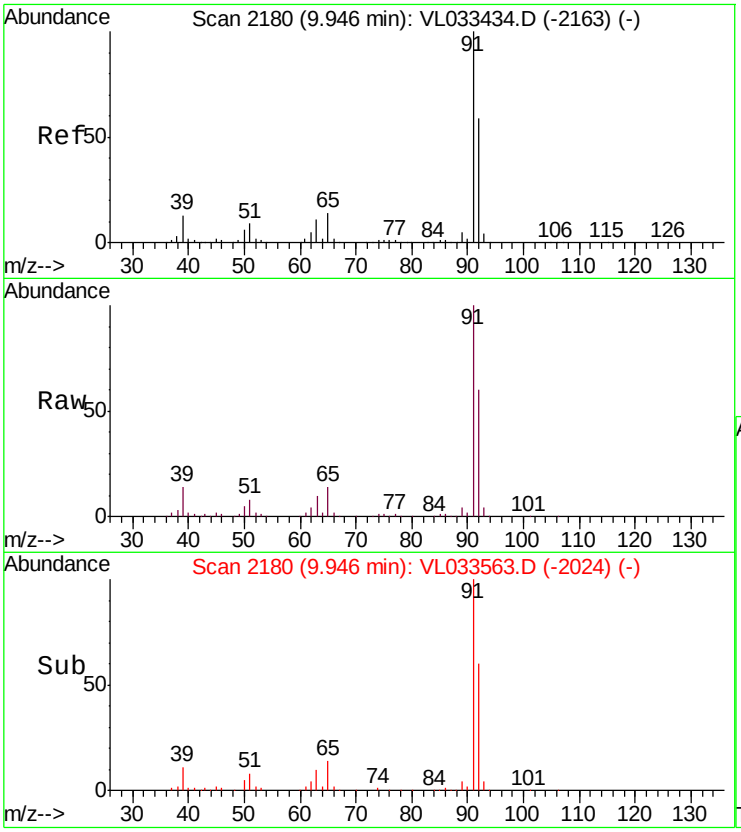


#52
Tetrachloroethene
Concen: 8.634 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:164 Resp: 681558

Ion	Ratio	Lower	Upper
164	100		
166	127.3	99.5	149.3
129	101.6	81.4	122.2
131	95.0	75.6	113.4



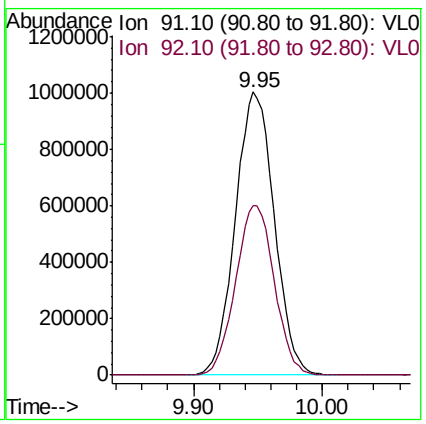


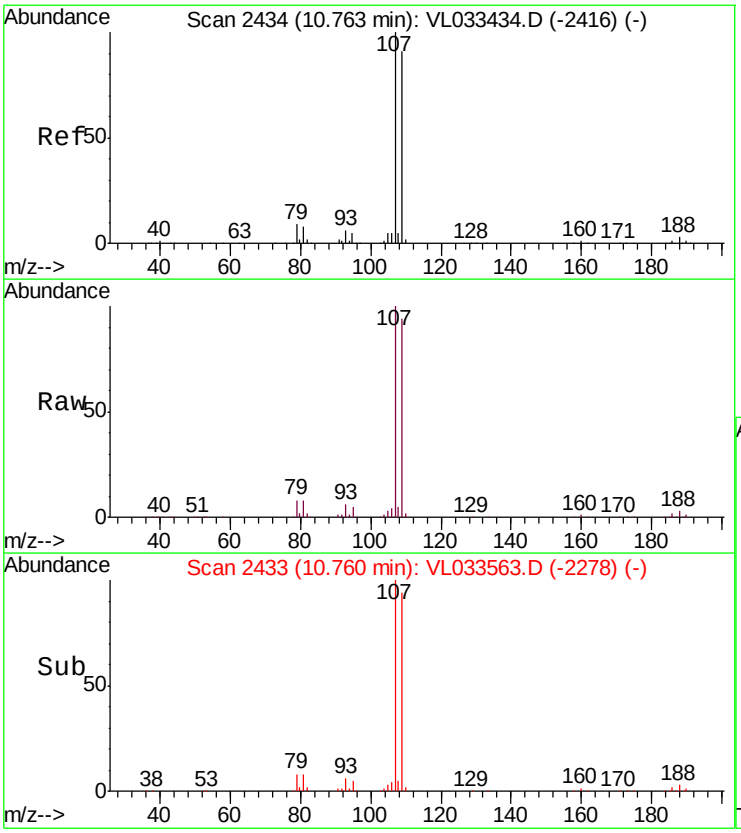
#53
Toluene
Concen: 8.677 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2109531

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0

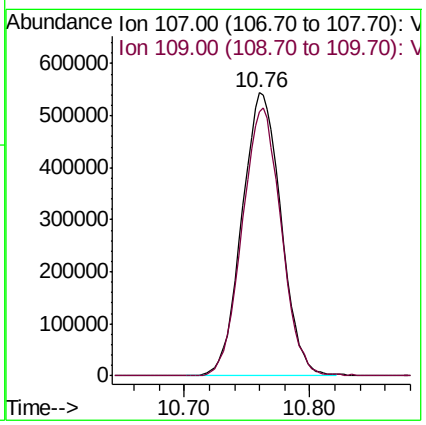


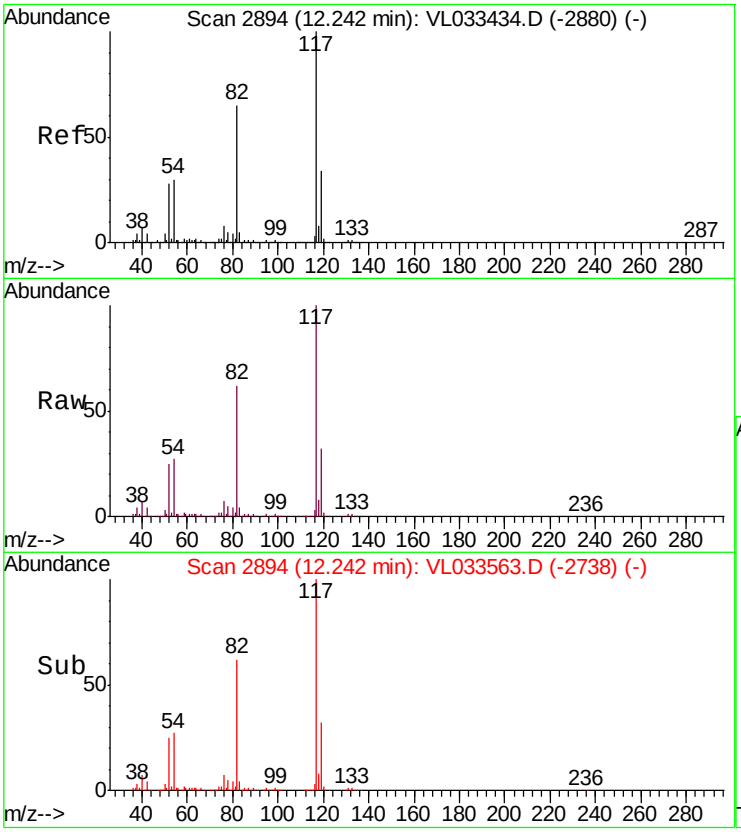


#54
1,2-Dibromoethane
Concen: 8.105 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:107 Resp: 1179853

Ion	Ratio	Lower	Upper
107	100		
109	93.5	72.7	109.1



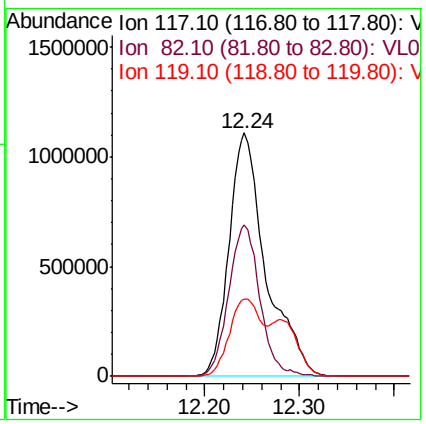


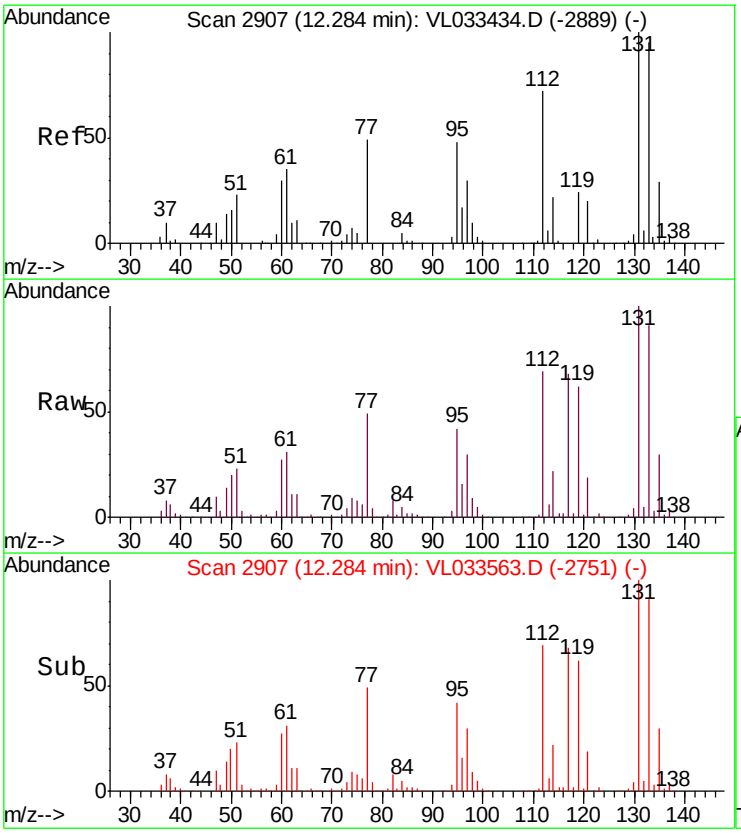
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 3004923

Ion	Ratio	Lower	Upper
117	100		
82	52.7	51.5	77.3
119	44.9	25.5	38.3#

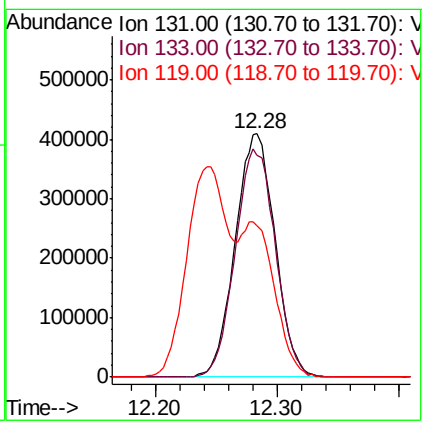


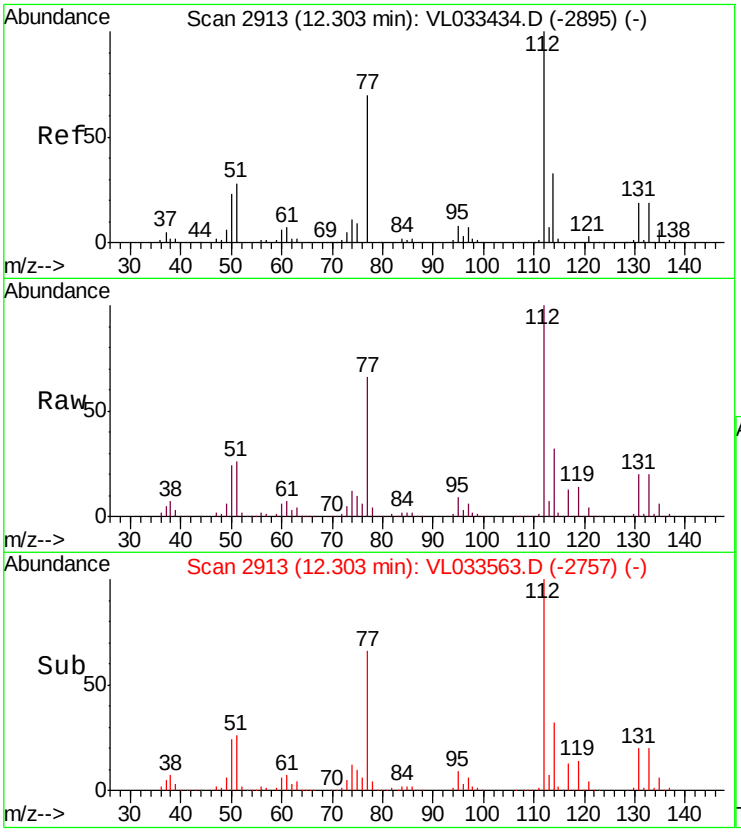


#56
1,1,1,2-Tetrachloroethane
Concen: 6.684 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:131 Resp: 920583

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.2	114.4
119	146.6	45.0	67.6#



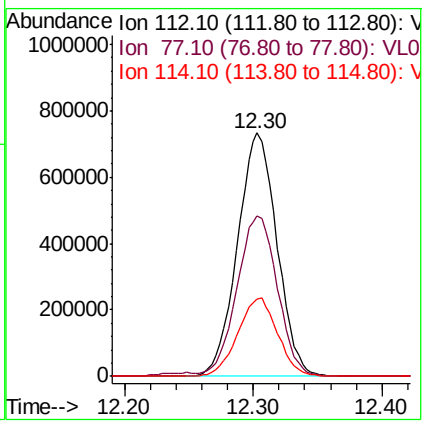


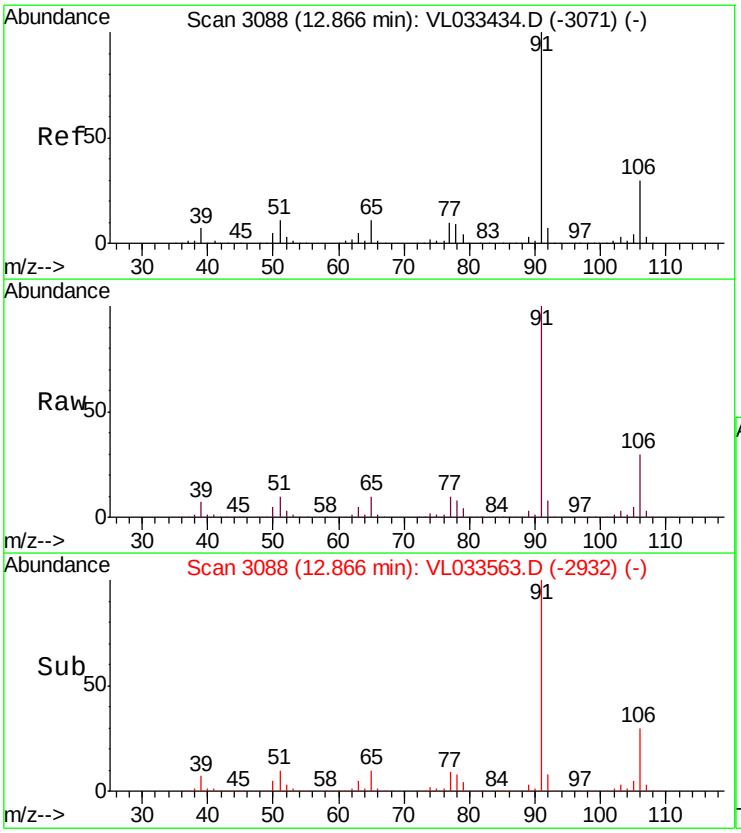
#57
Chlorobenzene
Concen: 6.700 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1563203

Ion	Ratio	Lower	Upper
112	100		
77	65.8	57.3	85.9
114	31.5	29.8	36.4

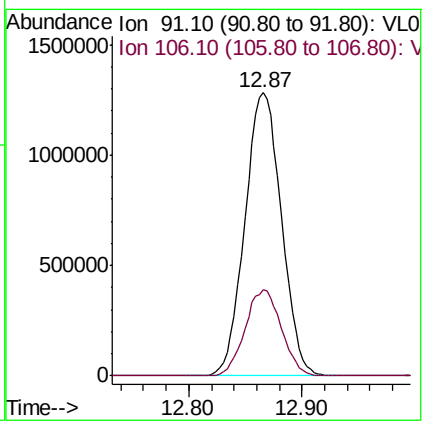


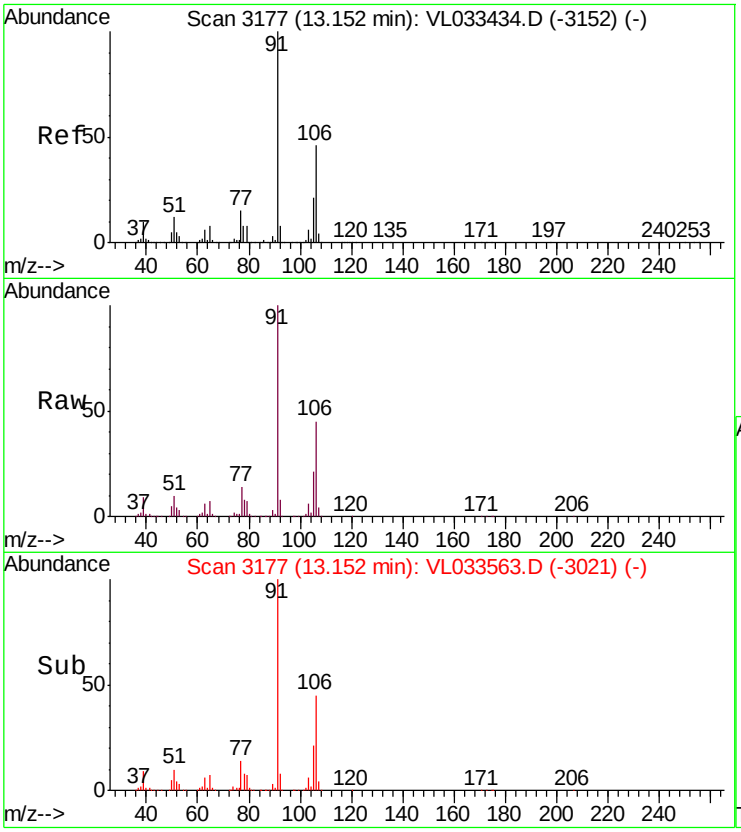


#58
Ethyl Benzene
Concen: 7.170 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 91 Resp: 2877345

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6



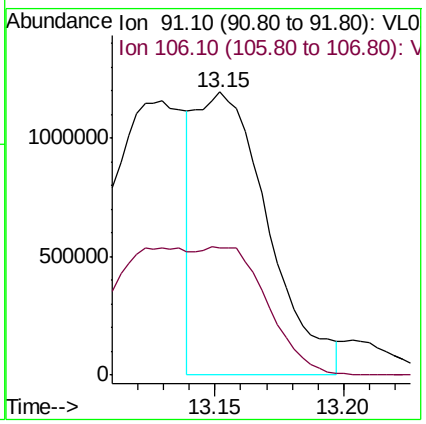


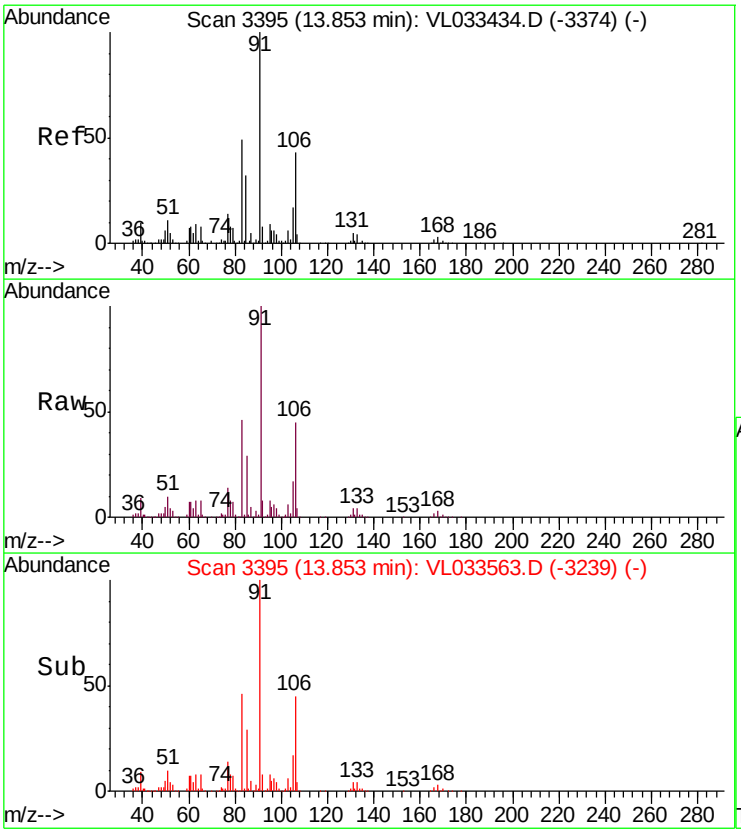
#59
m/p-Xylene
Concen: 6.503 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2330722

Ion	Ratio	Lower	Upper
91	100		
106	93.9	0.0	0.0#

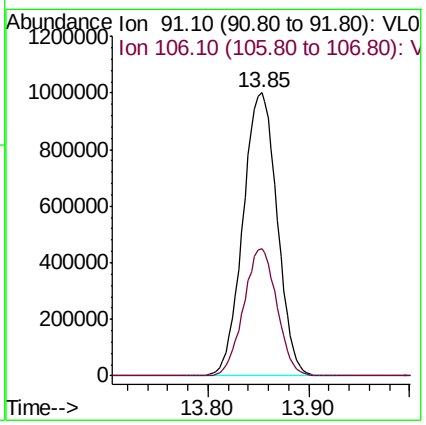


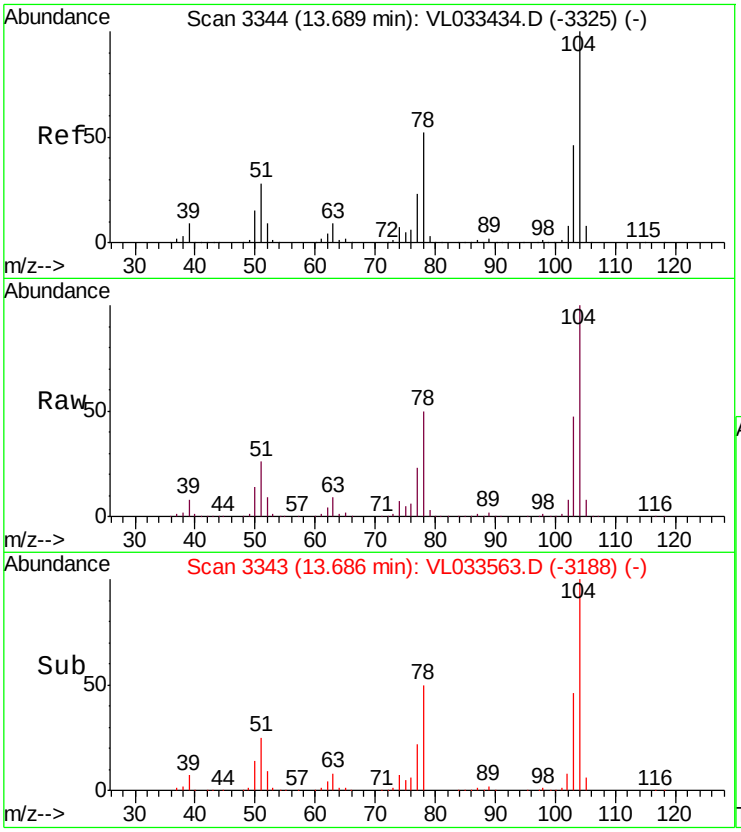


#60
o-Xylene
Concen: 6.755 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 91 Resp: 2341359

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.4	64.3



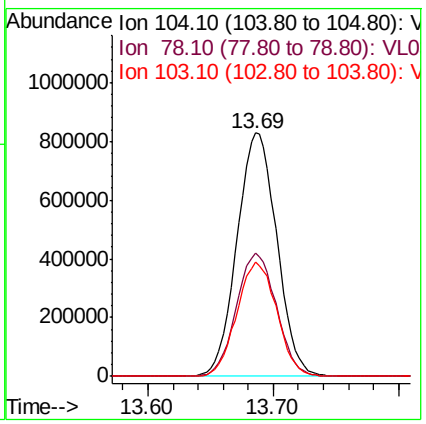


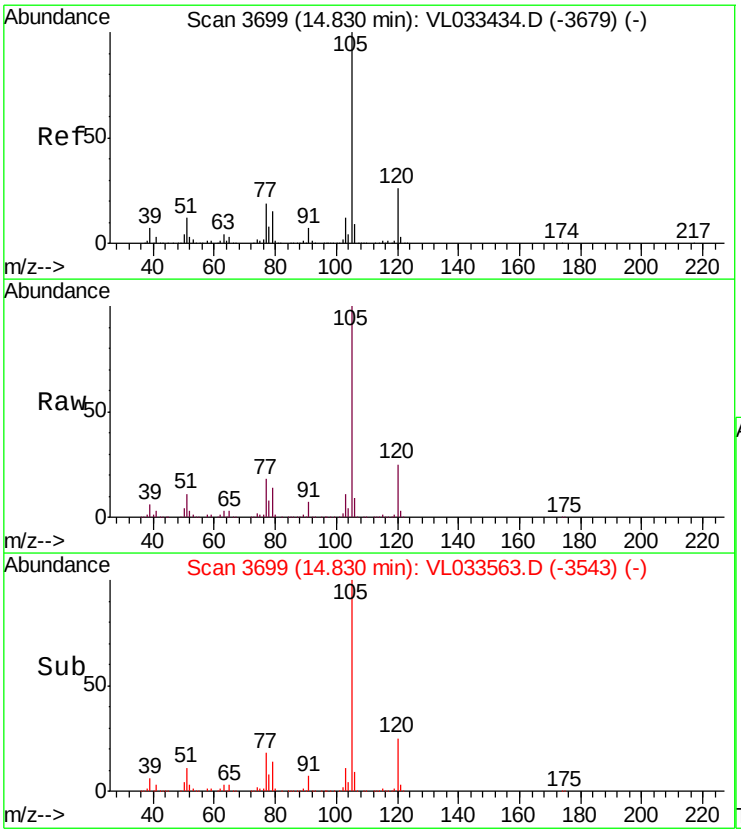
#61
Styrene
Concen: 7.660 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 1822119

Ion	Ratio	Lower	Upper
104	100		
78	50.9	43.2	64.8
103	47.2	37.8	56.8

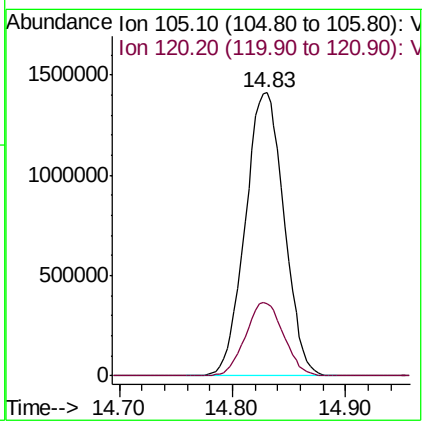


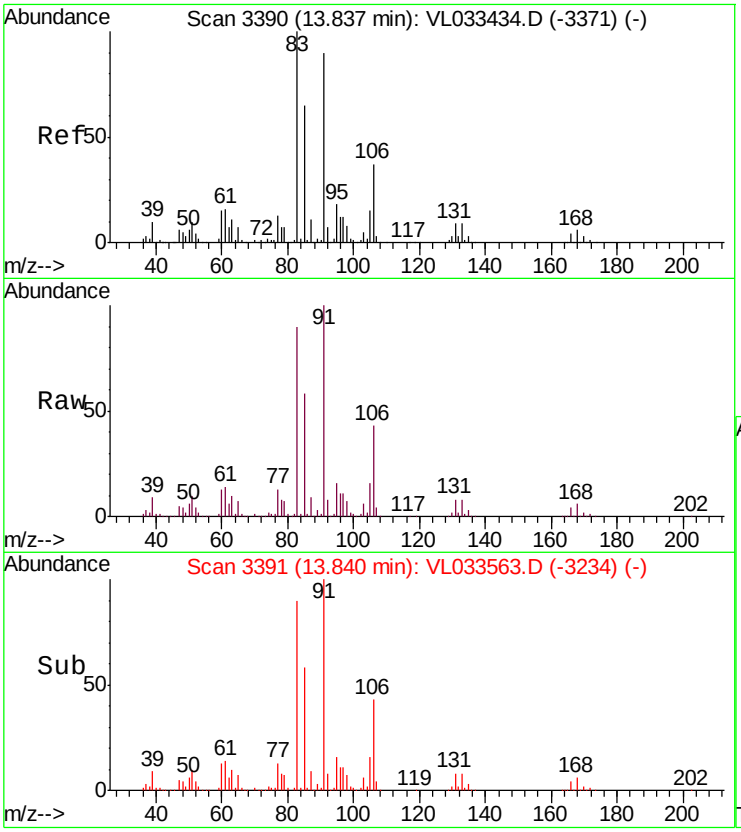


#62
Isopropylbenzene
Concen: 6.855 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:105 Resp: 3364660

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.2



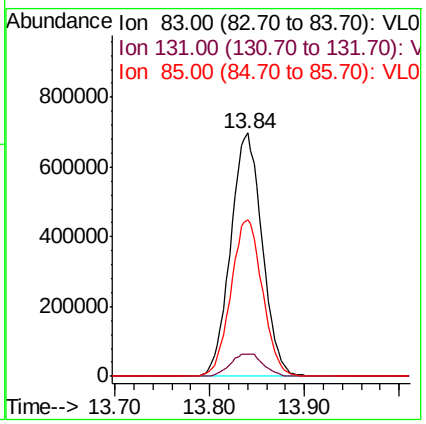


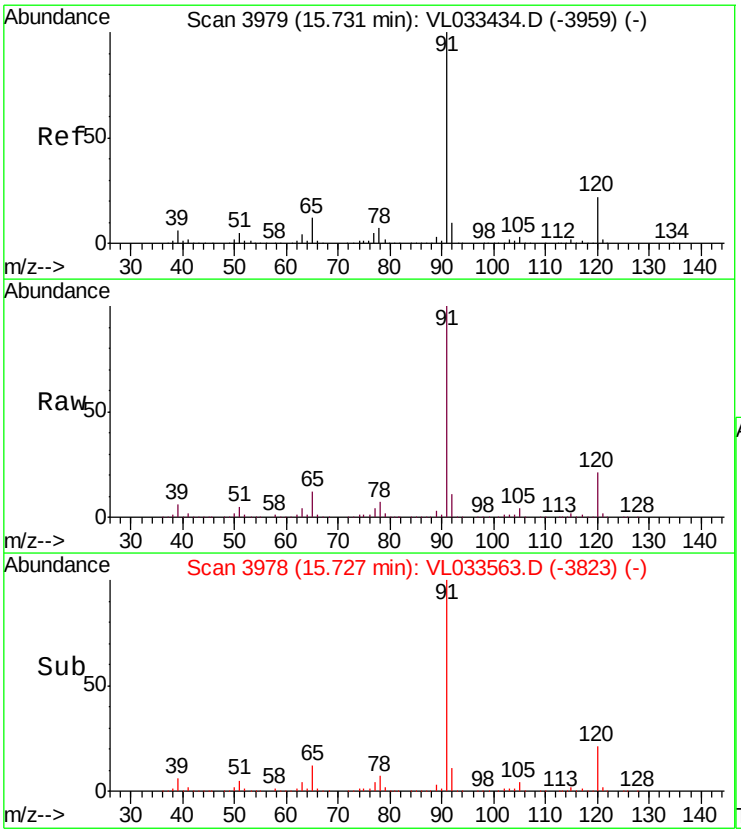
#63
1,1,2,2-Tetrachloroethane
Concen: 6.342 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1618499

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	64.5	32.7	98.1

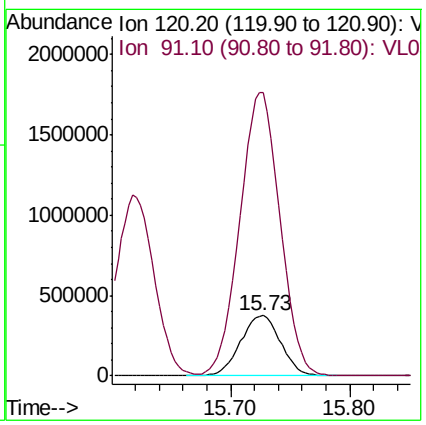


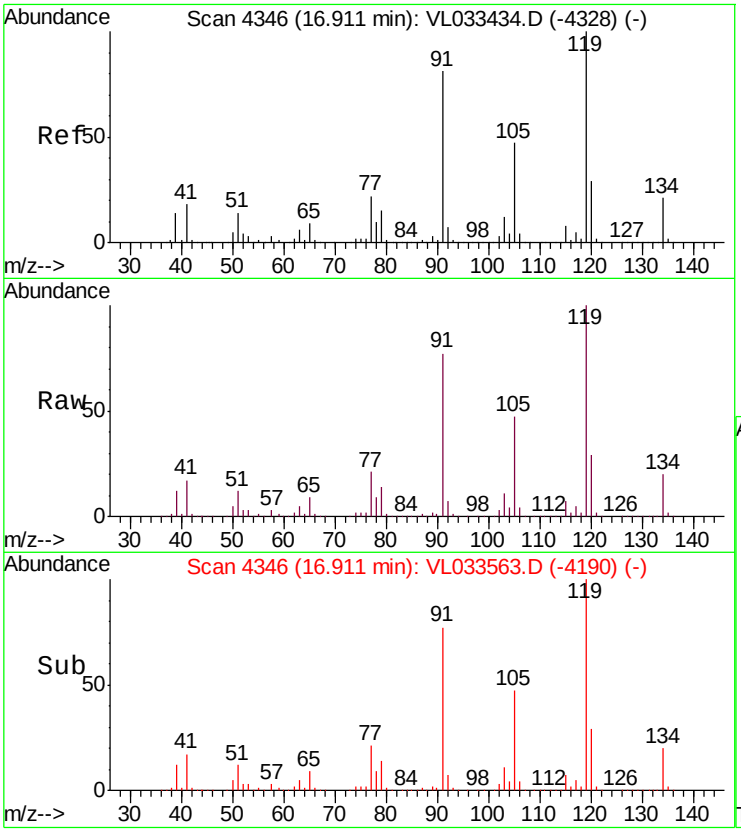


#64
n-propylbenzene
Concen: 7.051 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:120 Resp: 878166

Ion	Ratio	Lower	Upper
120	100		
91	469.9	387.4	581.2



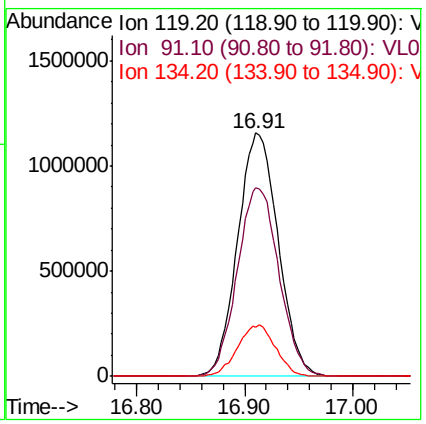


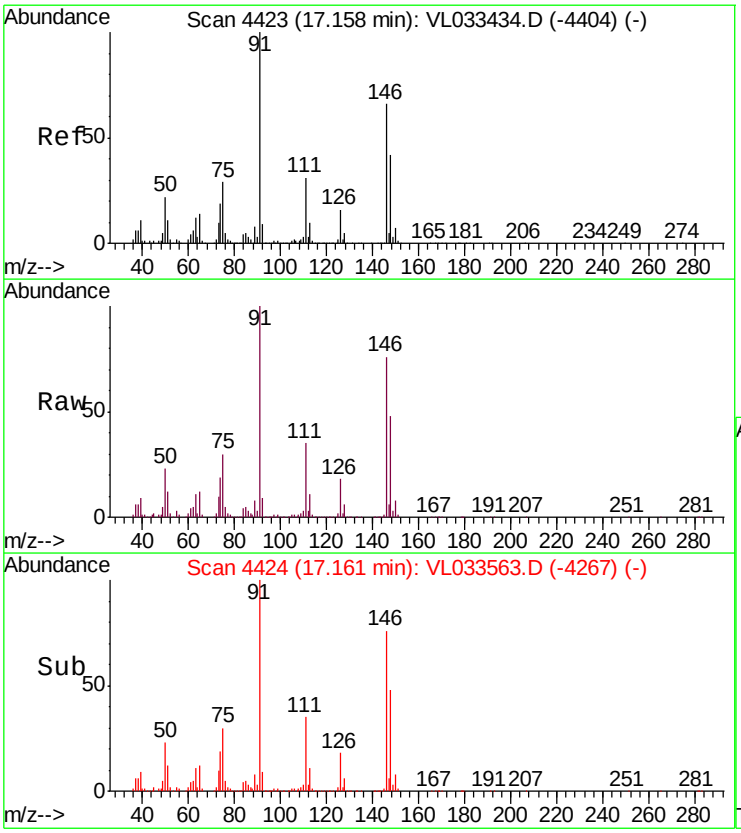
#65
tert-Butylbenzene
Concen: 6.996 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3025623

Ion	Ratio	Lower	Upper
119	100		
91	79.7	66.4	99.6
134	19.9	15.5	23.3

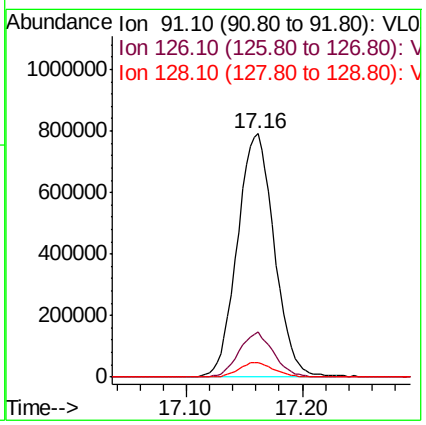


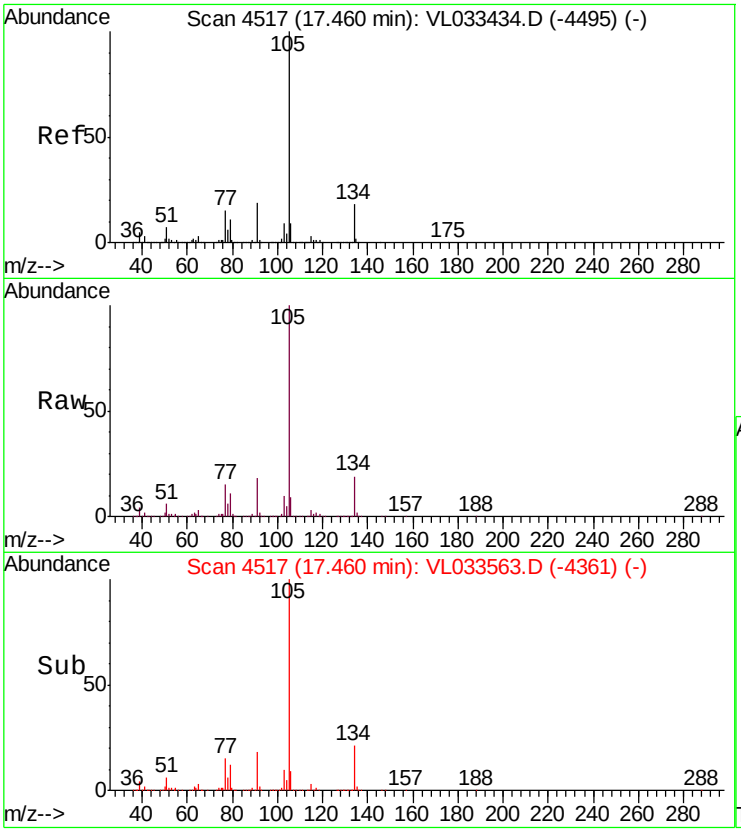


#66
Benzyl Chloride
Concen: 8.704 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 91 Resp: 1750513

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.0	19.6
128	5.7	4.2	6.2



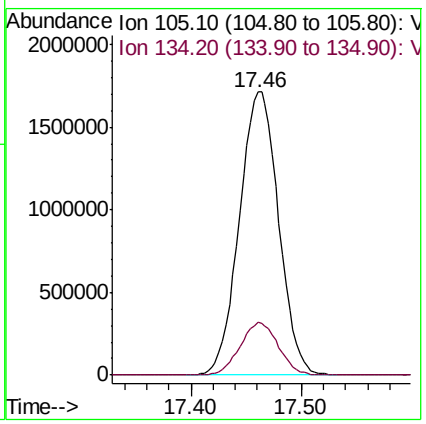


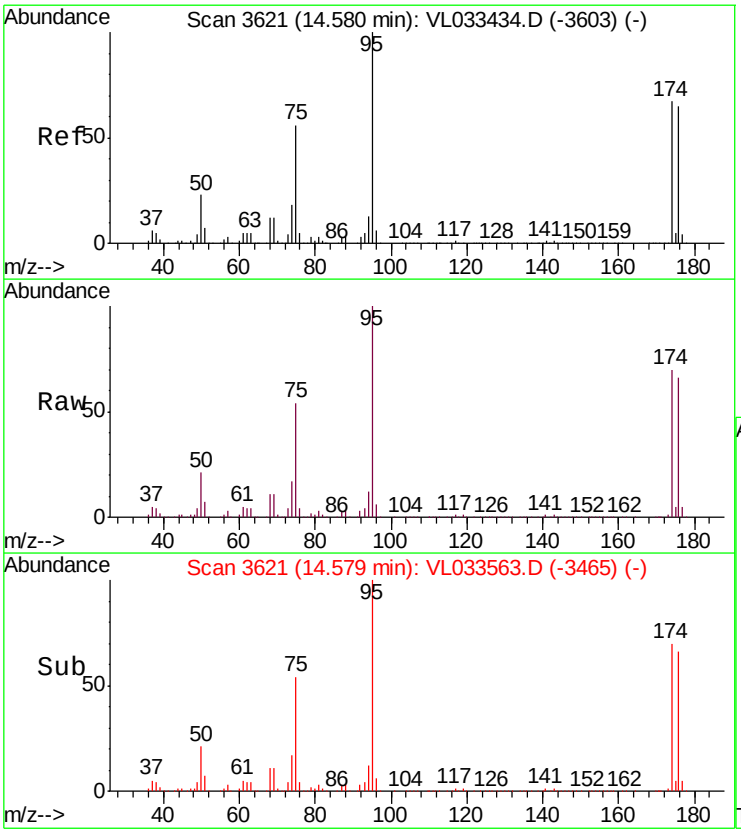
#67
sec-Butylbenzene
Concen: 6.857 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4217697

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

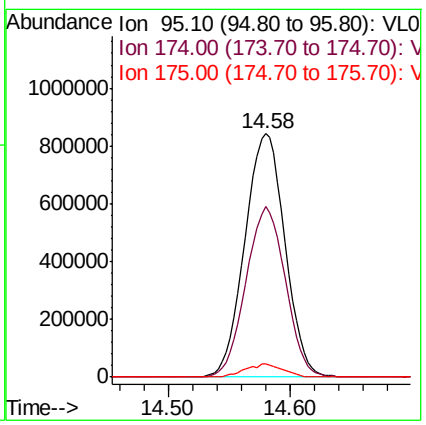


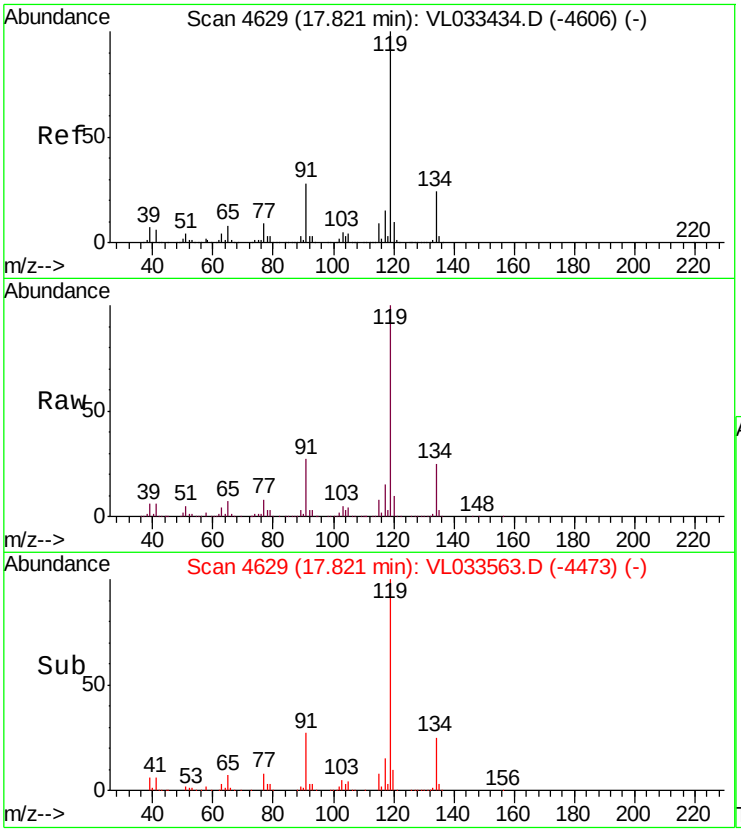


#68
1-Bromo-4-Fluorobenzene
Concen: 8.135 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 95 Resp: 1916350

Ion	Ratio	Lower	Upper
95	100		
174	69.2	52.9	79.3
175	5.1	3.8	5.6



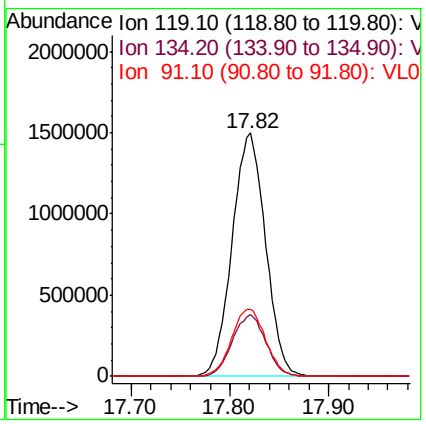


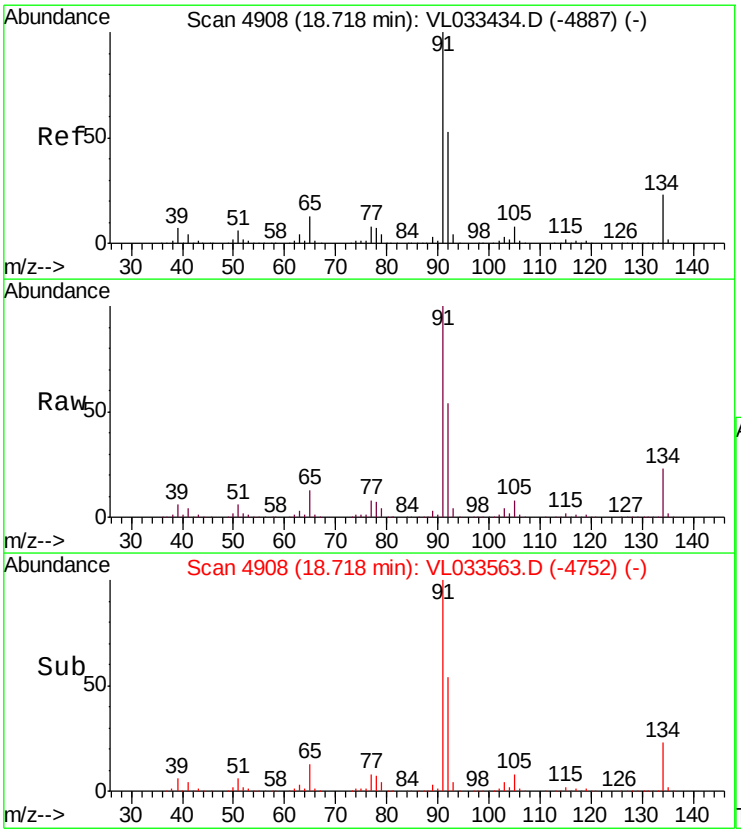
#69
p-Isopropyltoluene
Concen: 7.017 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3514148

Ion	Ratio	Lower	Upper
119	100		
134	25.5	19.9	29.9
91	28.3	23.4	35.0

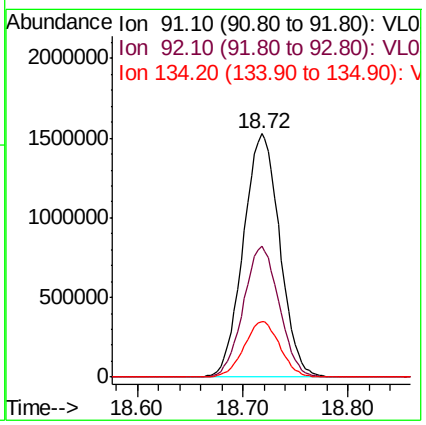


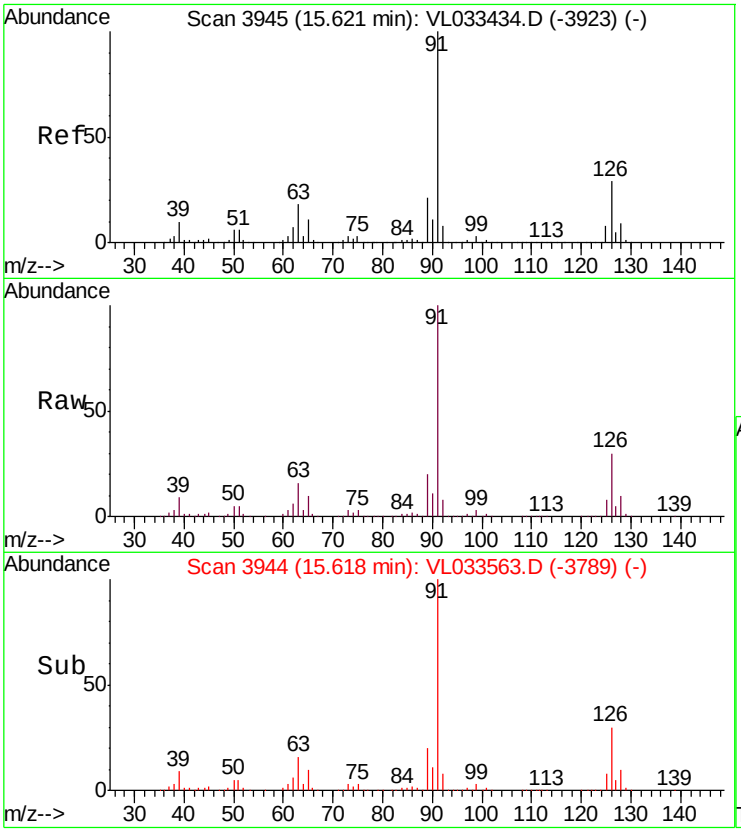


#70
n-Butylbenzene
Concen: 6.903 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion: 91 Resp: 3662597

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.6	64.0
134	22.5	17.5	26.3



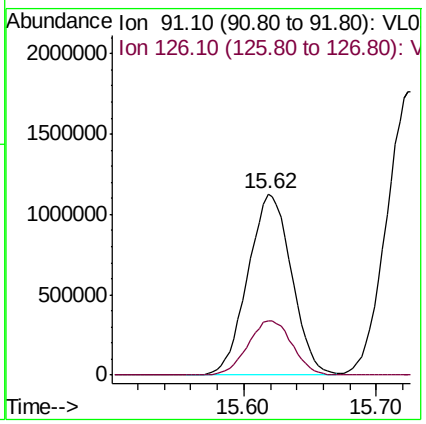


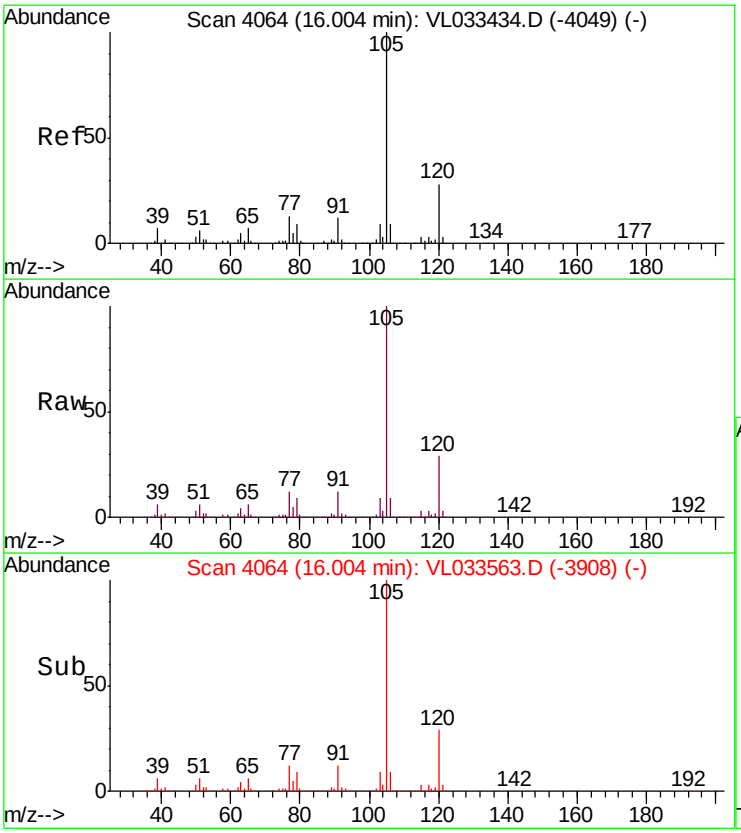
#71
2-Chlorotoluene
Concen: 6.916 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2580990

Ion	Ratio	Lower	Upper
91	100		
126	30.5	11.7	46.9

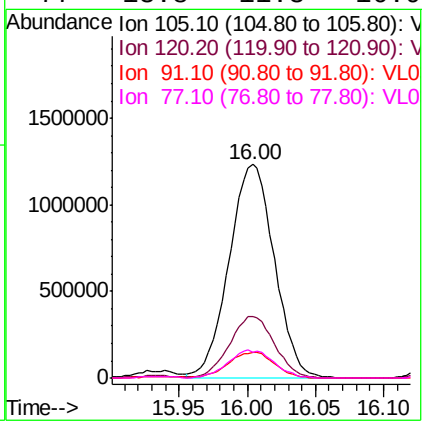


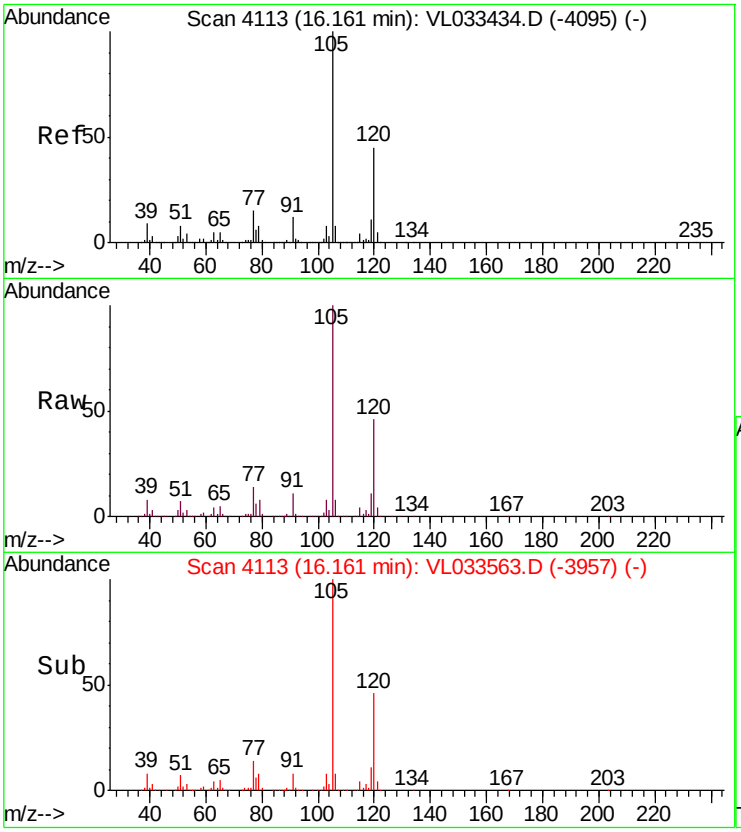


#72
4-Ethyltoluene
Concen: 7.267 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:105 Resp: 2831271

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.2	34.8
91	12.3	10.4	15.6
77	13.8	11.3	16.9



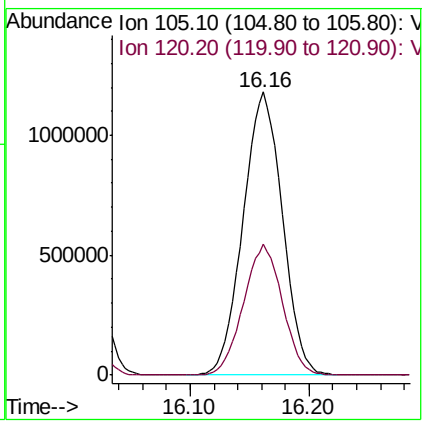


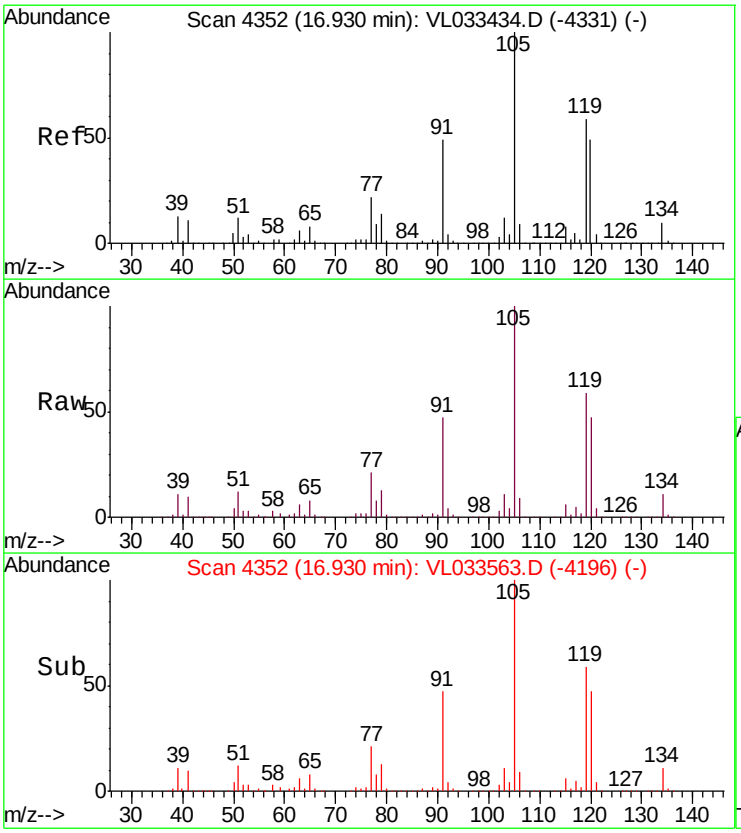
#73
1,3,5-Trimethylbenzene
Concen: 7.218 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2690958

Ion	Ratio	Lower	Upper
105	100		
120	46.2	35.7	53.5

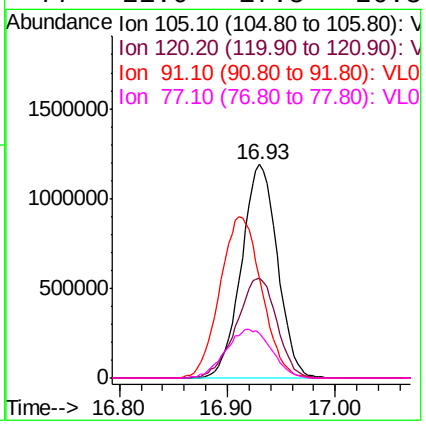


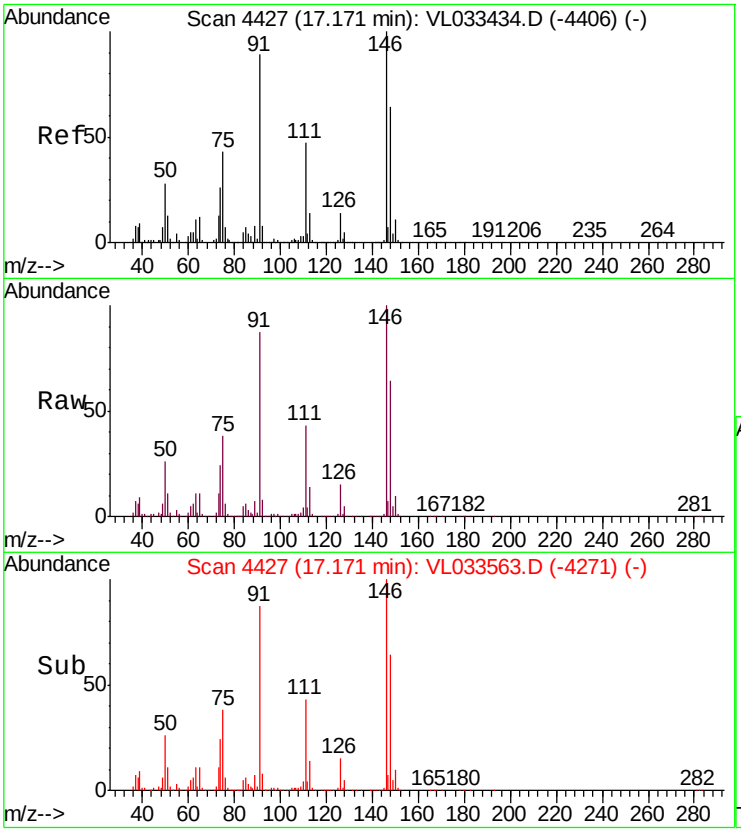


#74
1,2,4-Trimethylbenzene
Concen: 6.884 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:105 Resp: 2750976

Ion	Ratio	Lower	Upper
105	100		
120	46.8	39.0	58.6
91	46.5	40.0	60.0
77	21.0	17.5	26.3



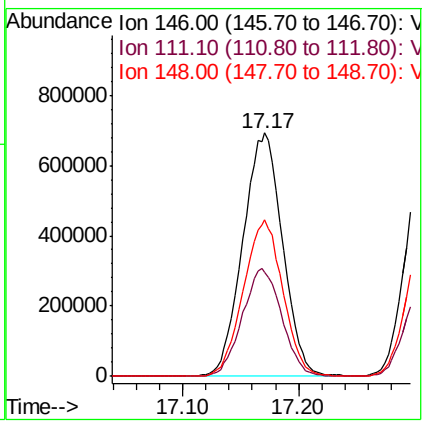


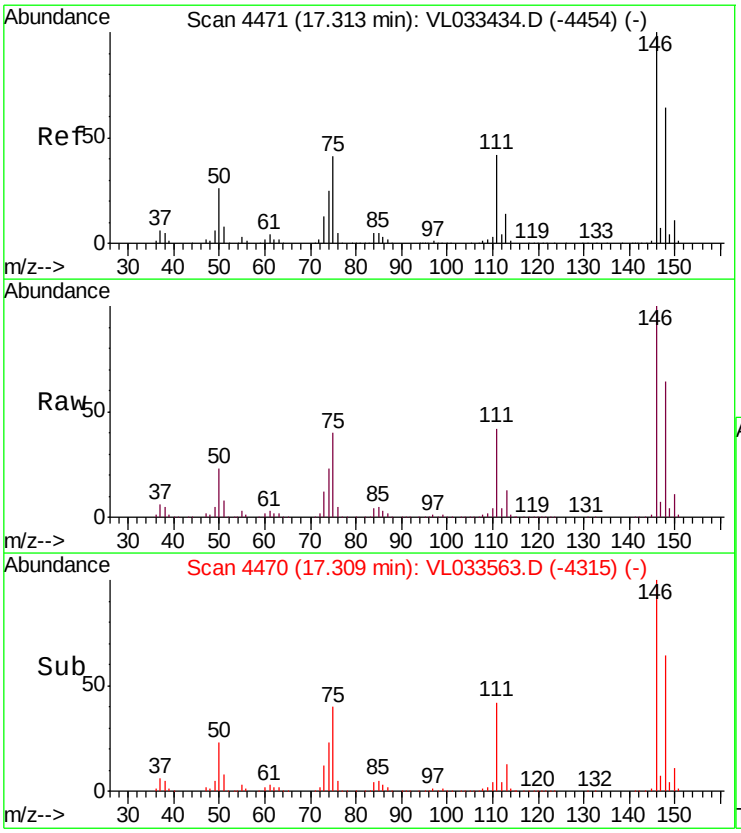
#75
1,3-Dichlorobenzene
Concen: 6.669 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1647143

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.9	68.8
148	63.7	32.0	96.2

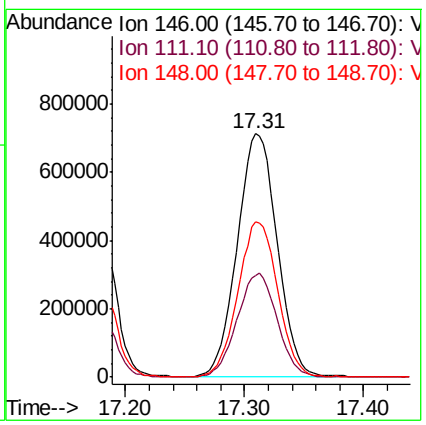


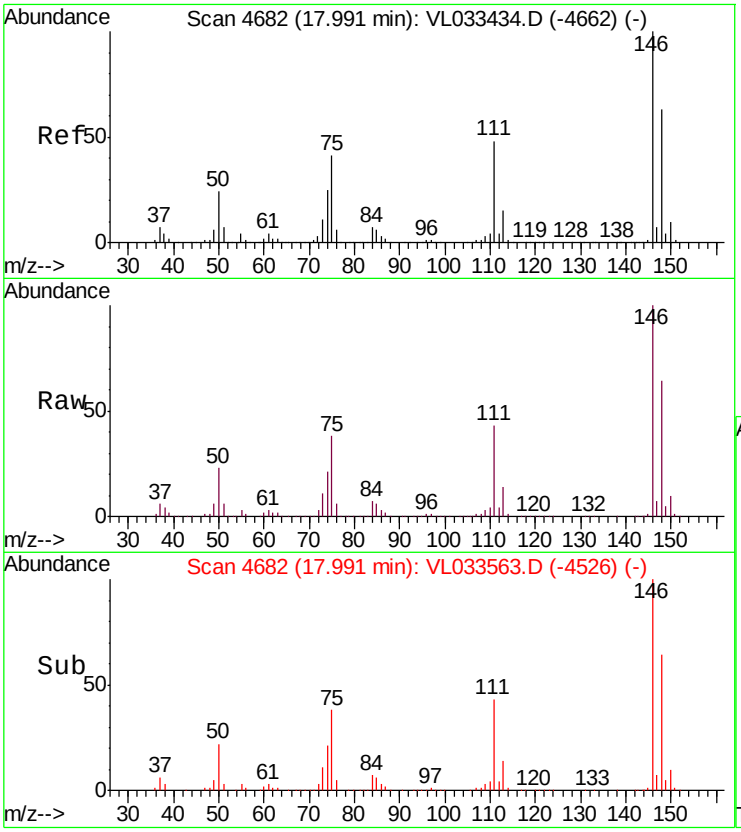


#76
1,4-Dichlorobenzene
Concen: 6.896 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:146 Resp: 1659510

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.7	65.1
148	63.5	32.0	96.2



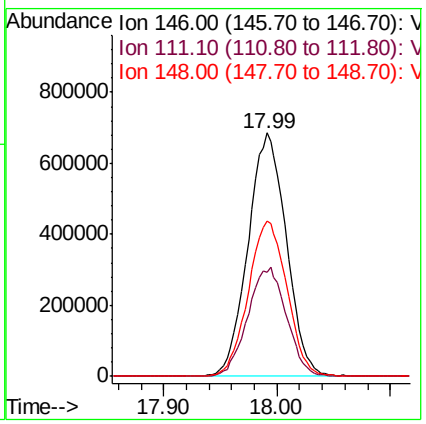


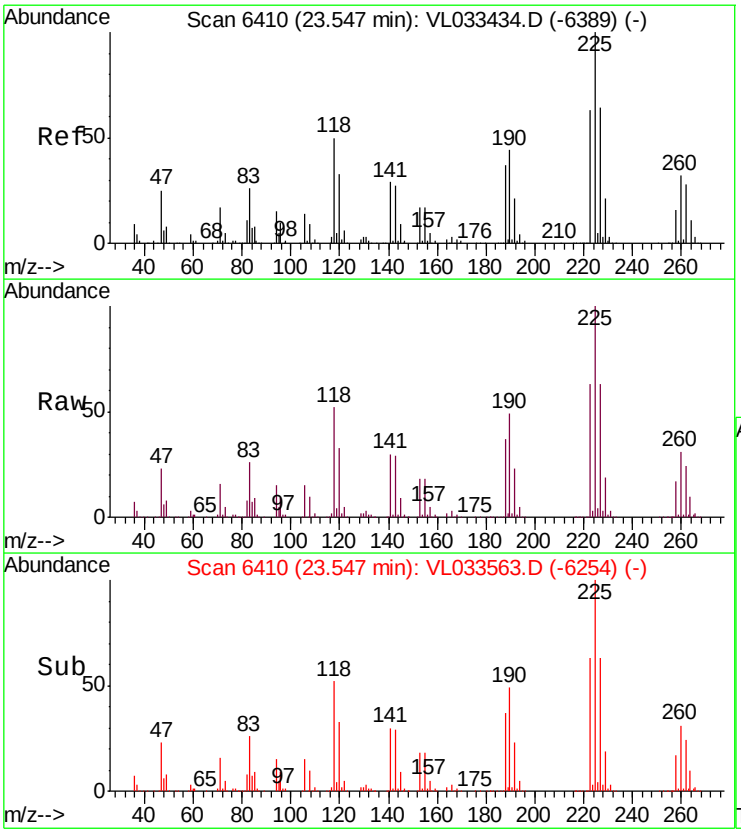
#77
1,2-Dichlorobenzene
Concen: 6.864 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1608658

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.5	70.5
148	64.5	32.0	96.0

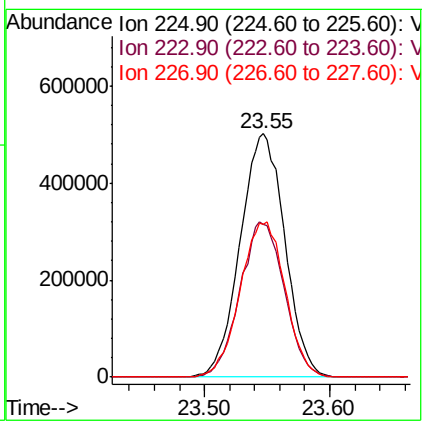


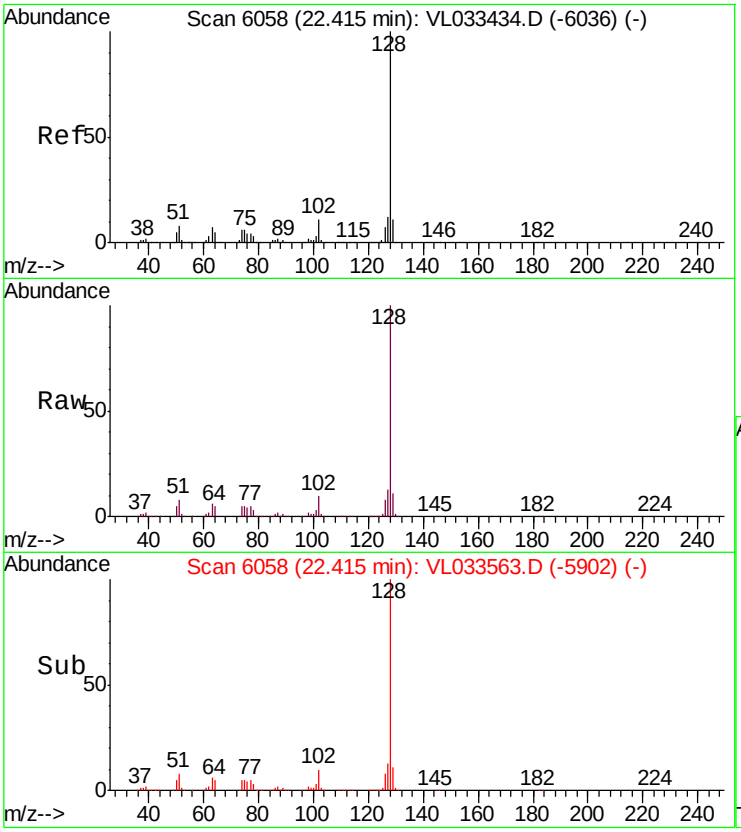


#78
Hexachloro-1,3-Butadiene
Concen: 7.998 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:225 Resp: 1240675

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0
227	64.2	51.1	76.7



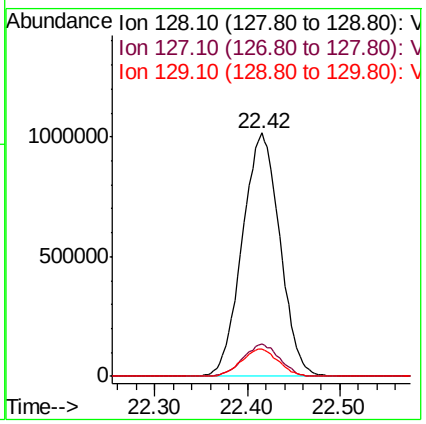


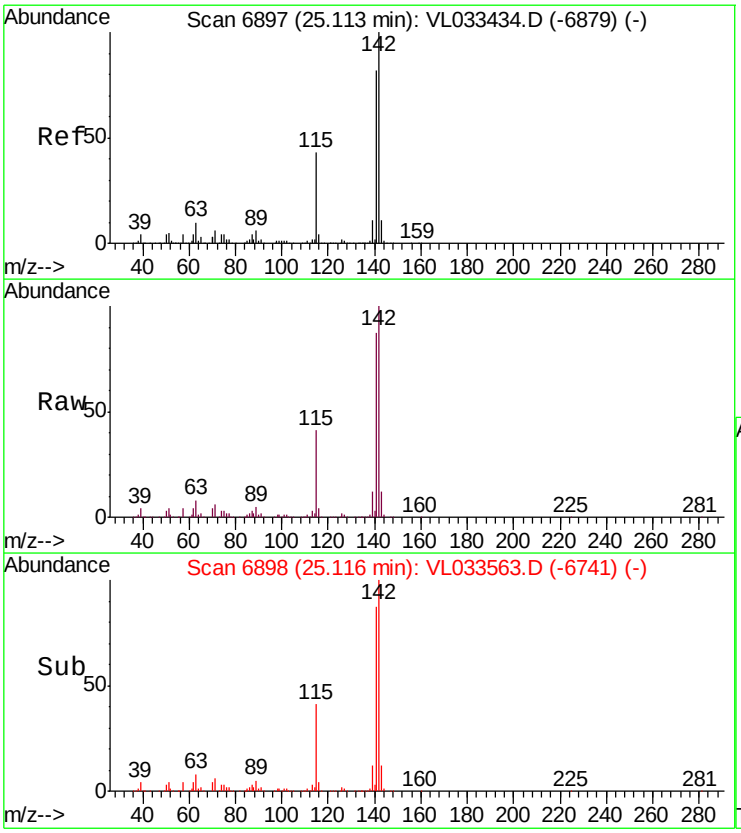
#79
Naphthalene
Concen: 8.337 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2851965

Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.8
129	11.3	8.6	12.8

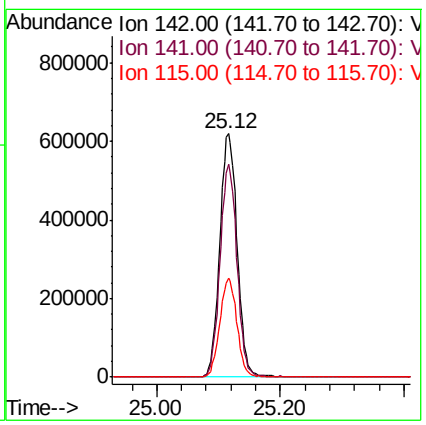


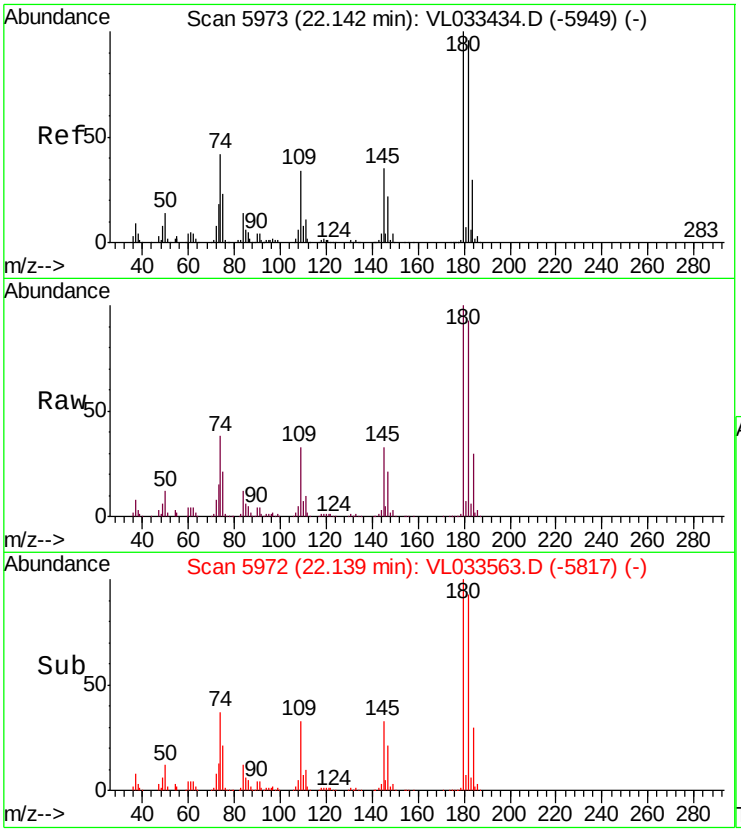


#80
Naphthalene,2-methyl-
Concen: 10.531 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Tgt Ion:142 Resp: 1208944

Ion	Ratio	Lower	Upper
142	100		
141	85.1	66.6	99.8
115	39.8	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 7.667 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033563.D
Acq: 10 Apr 2019 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1454895

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
184	30.9	24.6	36.8