Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033597.D
Acq On : 16 Apr 2019 18:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Apr 17 05:55:38 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	835980	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2005437	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2524465	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1674636	8.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	879044	7.210	ppbv		95
3) Chlorodifluoromethane	3.01	51	844220	8.772	ppbv		100
4) Chloromethane	3.17	50	450139	8.838	ppbv		99
5) Vinyl Chloride	3.29	62	455050	9.094	ppbv		99
6) Bromomethane	3.52	94	302352	9.402	ppbv		94
7) Chloroethane	3.60	64	171913	9.231	ppbv		97
8) Dichlorotetrafluoroethane	3.22	85	1167161	8.984	ppbv		99
9) Propene	3.04	41	360868	8.928	ppbv		99
10) Heptane	8.25	43	962887	8.912	ppbv		100
11) Trichlorofluoromethane	4.00	101	1382837	9.203	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	927845	9.193	ppbv		99
13) Ethanol	3.65	45	116685	11.156	ppbv		66
14) Bromoethene	3.79	108	378588	9.405	ppbv		98
15) Acetone	3.90	43	859429	8.550	ppbv		99
16) 1,3-Butadiene	3.36	39	413033	10.360	ppbv		92
17) tert-Butyl alcohol	4.35	59	180094	9.744	ppbv		100
18) 1,1-Dichloroethene	4.35	96	411286	9.487	ppbv		97
19) Isopropyl Alcohol	4.02	45	654812	10.299	ppbv	#	98
20) Methylene Chloride	4.41	84	354235	8.302	ppbv		96
21) Allyl Chloride	4.48	41	606735	9.549	ppbv		100
22) trans-1,2-Dichloroethene	4.96	96	422583	9.343	ppbv		97
23) Vinyl Acetate	5.16	43	1306318	9.131	ppbv		99
24) 1,1-Dichloroethane	5.09	63	925826	8.519	ppbv		100
25) Ethyl Acetate	5.77	43	1610075	8.633	ppbv		100
26) Hexane	5.78	57	717241	8.650	ppbv		99
27) Carbon Disulfide	4.62	76	1023988	10.384	ppbv		98
28) Methyl tert-Butyl Ether	5.11	73	1059457	8.871	ppbv		100
29) Chloroform	5.85	83	1247066	8.773	ppbv		99
30) Cyclohexane	7.25	84	613588	9.353	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	747462	9.066	ppbv		99
32) 1,1,1-Trichloroethane	6.62	97	1235240	9.126	ppbv		100
34) 2-Butanone	5.33	43	1040566	8.636	ppbv		100
35) Carbon Tetrachloride	7.13	117	1356935	9.553	ppbv		98
36) Benzene	7.01	78	1523351	9.053	ppbv		97
37) 1,2-Dichloroethane	6.42	62	956799	8.483	ppbv		100
38) Trichloroethene	7.96	130	625443	9.876	ppbv		99
39) 1,2-Dichloropropane	7.73	63	559746	8.492	ppbv		99
40) 1,4-Dioxane	7.96	88	241665	10.279	ppbv	#	1
41) Tetrahydrofuran	6.15	42	585271	8.831	ppbv		98
42) Bromodichloromethane	7.92	83	1389108	9.043	ppbv		99
43) Methyl Methacrylate	8.14	69	624784	9.144	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033597.D
Acq On : 16 Apr 2019 18:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Apr 17 05:55:38 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	2621142	8.914	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	854077	10.181	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	953692	9.735	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	654756	8.748	ppbv		99
48) Dibromochloromethane	10.45	129	1226077	9.711	ppbv		99
49) Bromoform	13.20	173	1123397	9.314	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1580672	8.959	ppbv		99
51) 2-Hexanone	10.27	43	1265941	9.619	ppbv	#	100
52) Tetrachloroethene	11.37	164	598610	9.429	ppbv		96
53) Toluene	9.95	91	1852303	9.473	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1052832	8.993	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	851911	7.363	ppbv	#	59
57) Chlorobenzene	12.30	112	1429169	7.291	ppbv		95
58) Ethyl Benzene	12.87	91	2633679	7.812	ppbv		100
59) m/p-Xylene	13.15	91	2182883	7.249	ppbv	#	100
60) o-Xylene	13.85	91	2238132	7.686	ppbv		99
61) Styrene	13.69	104	1658969	8.301	ppbv		100
62) Isopropylbenzene	14.83	105	3109306	7.541	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1549123	7.225	ppbv		99
64) n-propylbenzene	15.73	120	808939	7.731	ppbv		98
65) tert-Butylbenzene	16.91	119	2871850	7.904	ppbv		99
66) Benzyl Chloride	17.16	91	1598730	9.462	ppbv		99
67) sec-Butylbenzene	17.46	105	4016531	7.773	ppbv		100
69) p-Isopropyltoluene	17.82	119	3352301	7.968	ppbv		100
70) n-Butylbenzene	18.72	91	3503574	7.859	ppbv		99
71) 2-Chlorotoluene	15.62	91	2404755	7.670	ppbv		99
72) 4-Ethyltoluene	16.00	105	2580441	7.884	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	2506993	8.004	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	2651177	7.897	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1572207	7.577	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1548435	7.659	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1512145	7.681	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1143656	8.775	ppbv		99
79) Naphthalene	22.41	128	2566079	8.929	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	1189272	12.331	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1348088	8.457	ppbv		100

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

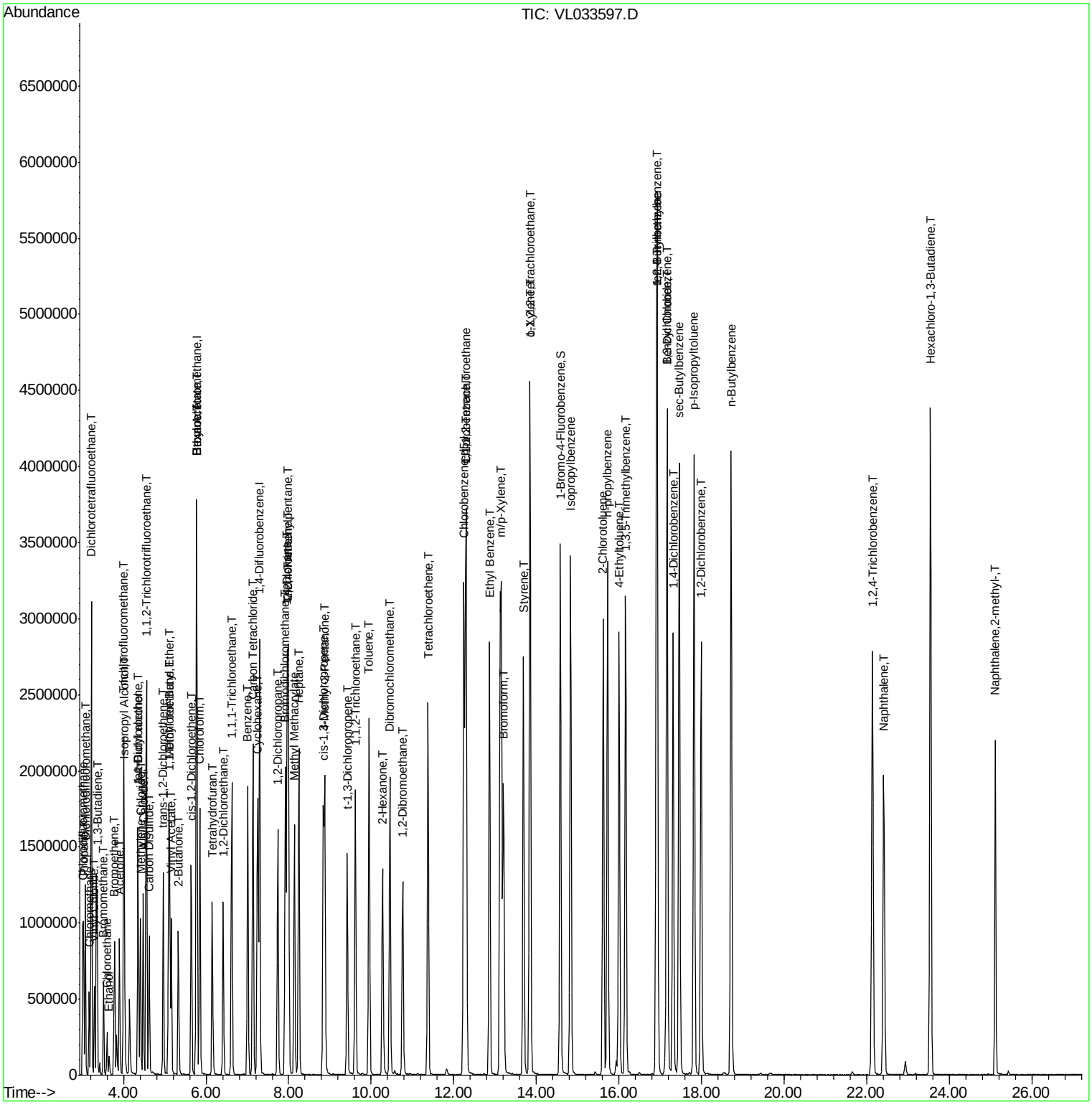
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

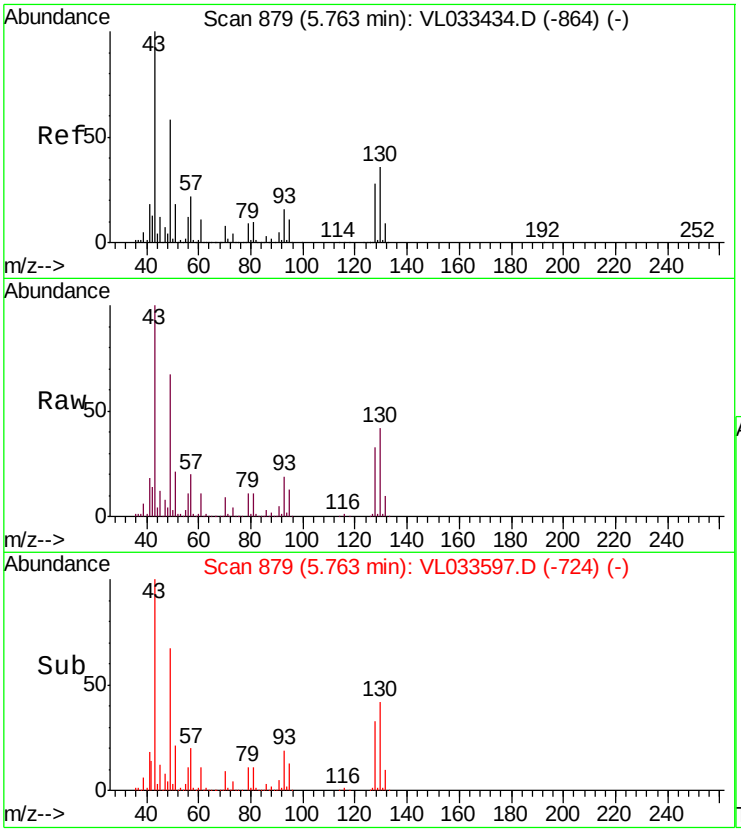
Quantitation Report (Not Reviewed)

Data File : VL033597.D
Acq On : 16 Apr 2019 18:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Apr 17 05:55:38 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



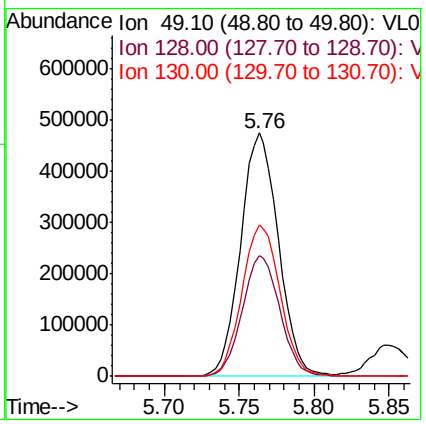


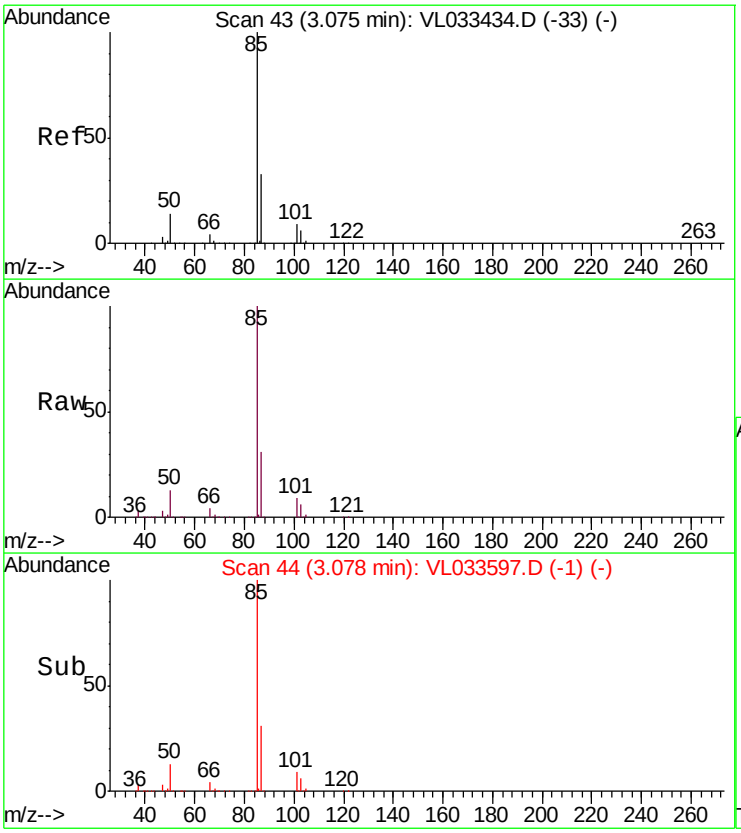
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 835980

Ion	Ratio	Lower	Upper
49	100		
128	49.2	24.0	72.0
130	63.2	31.2	93.6

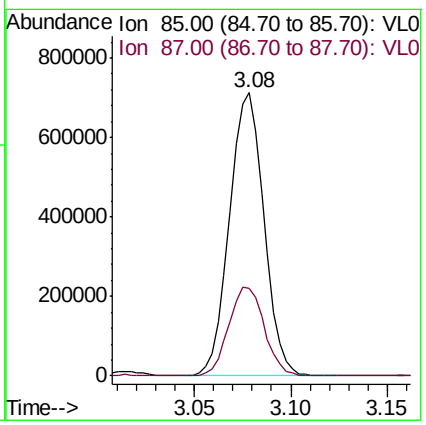


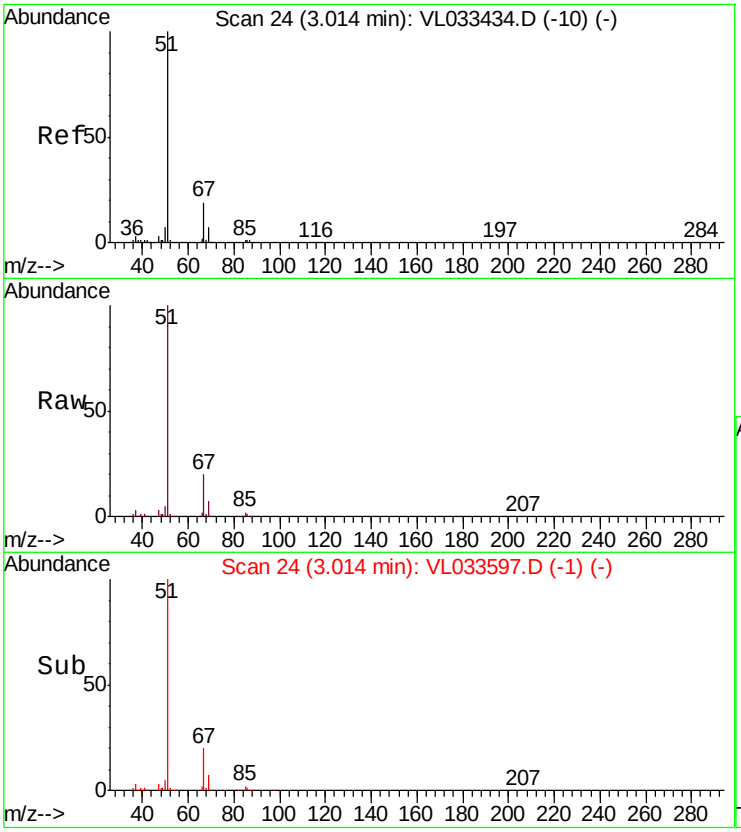


#2
Dichlorodifluoromethane
Concen: 7.210 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 85 Resp: 879044

Ion	Ratio	Lower	Upper
85	100		
87	30.8	26.7	40.1



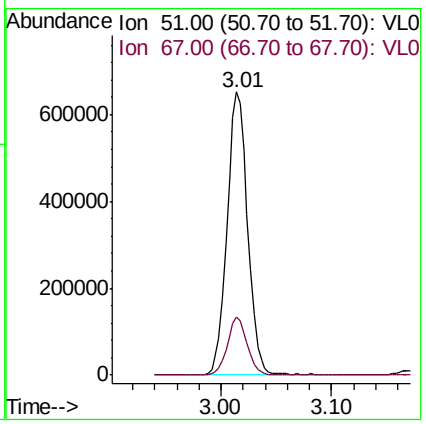


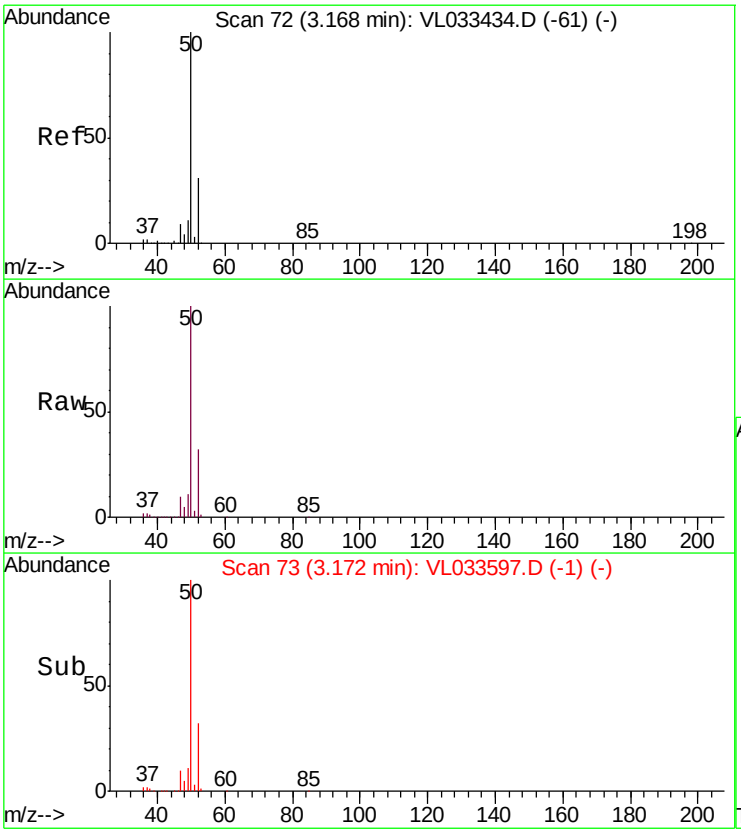
#3
Chlorodifluoromethane
Concen: 8.772 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 844220

Ion	Ratio	Lower	Upper
51	100		
67	19.8	15.7	23.5

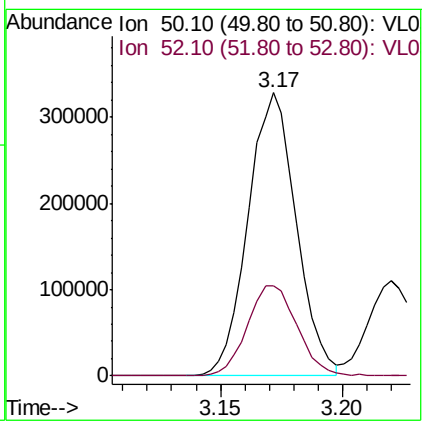


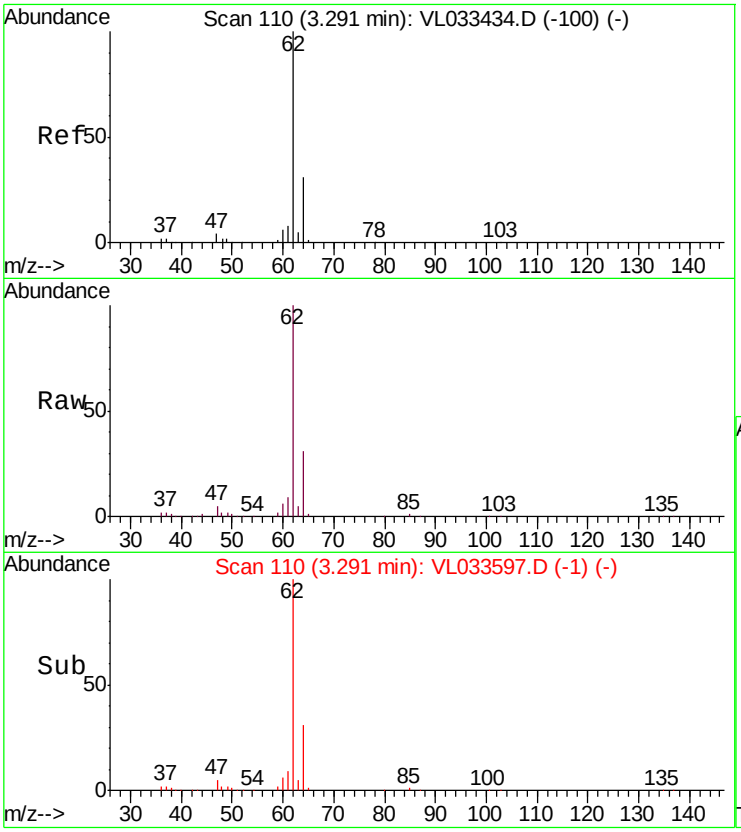


#4
Chloromethane
Concen: 8.838 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 50 Resp: 450139

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.0	37.6



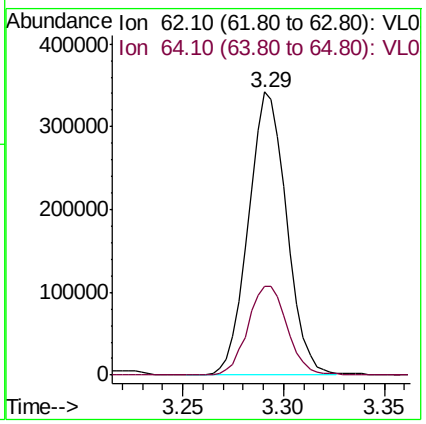


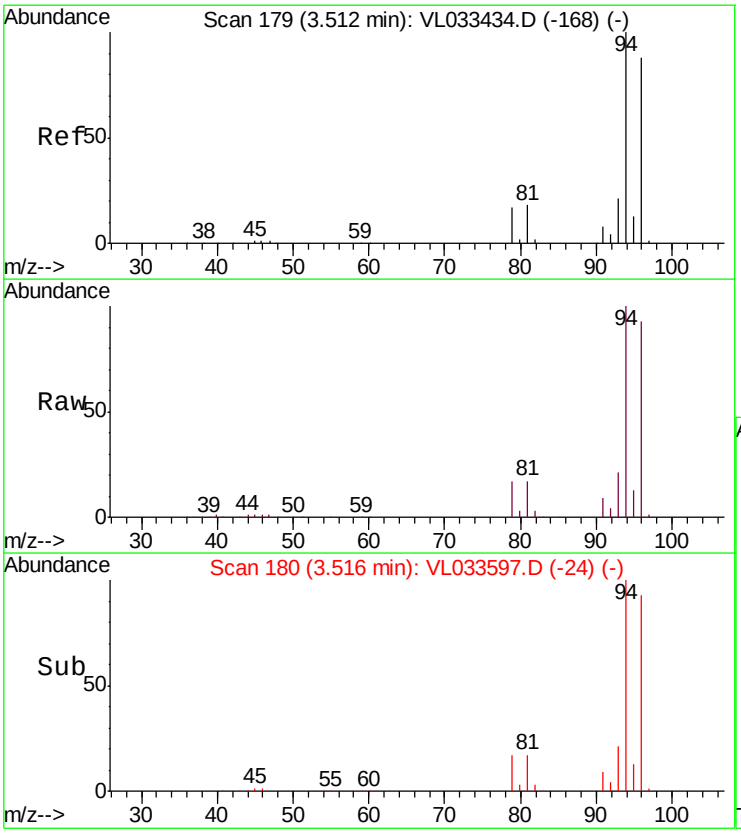
#5
Vinyl Chloride
Concen: 9.094 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 455050

Ion	Ratio	Lower	Upper
62	100		
64	31.4	24.9	37.3

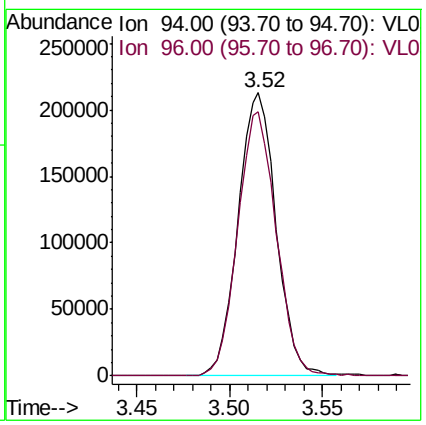


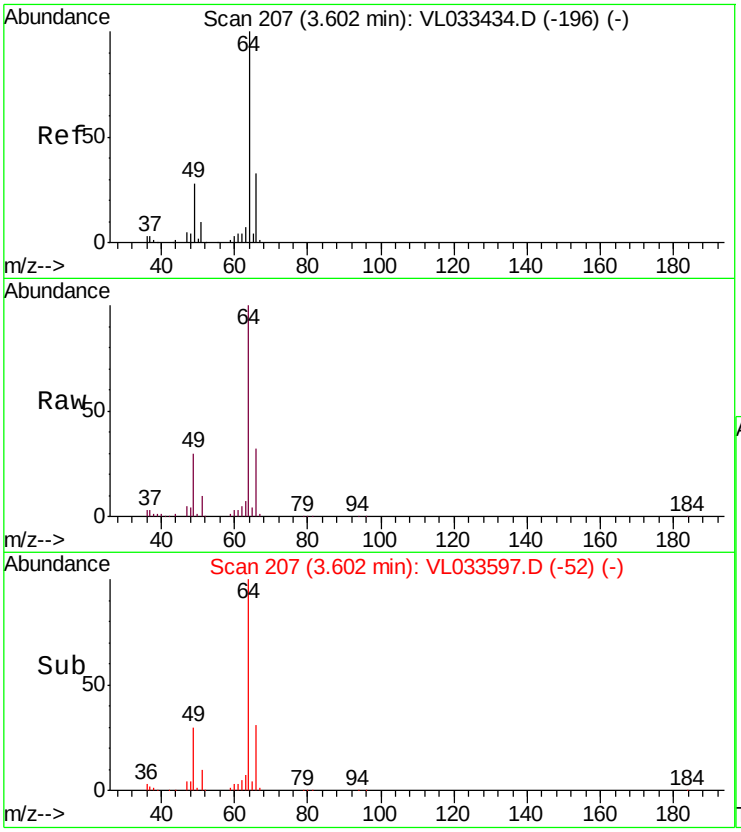


#6
Bromomethane
Concen: 9.402 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 94 Resp: 302352

Ion	Ratio	Lower	Upper
94	100		
96	93.2	70.2	105.2



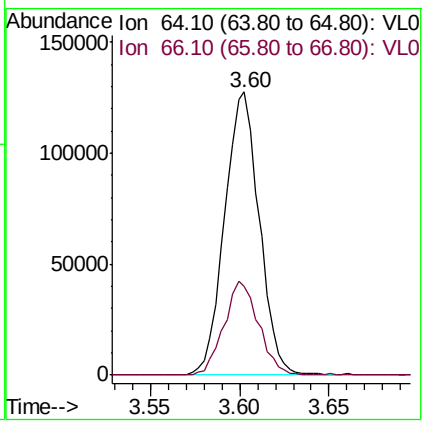


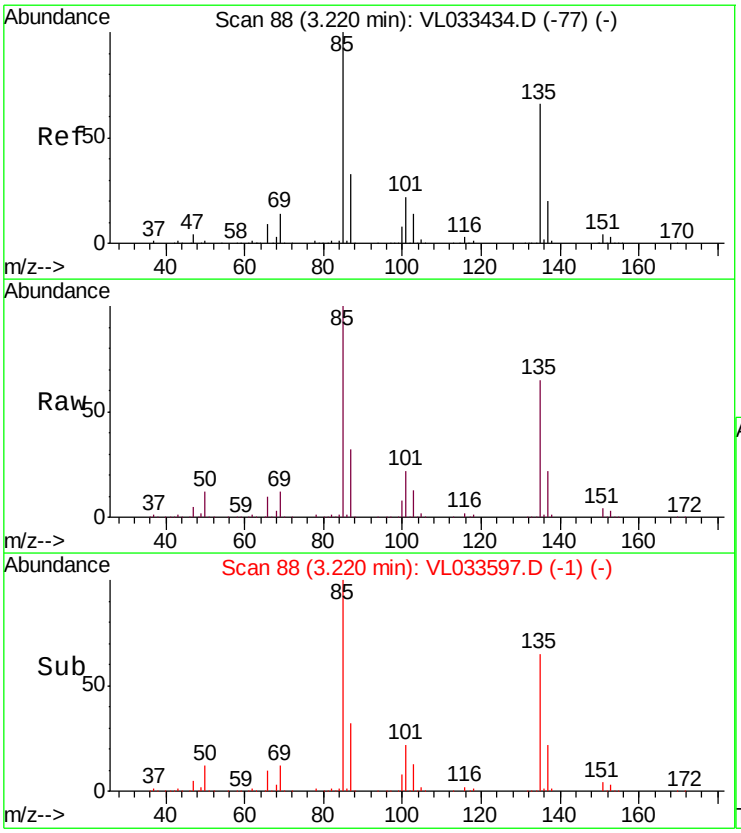
#7
Chloroethane
Concen: 9.231 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 171913

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1

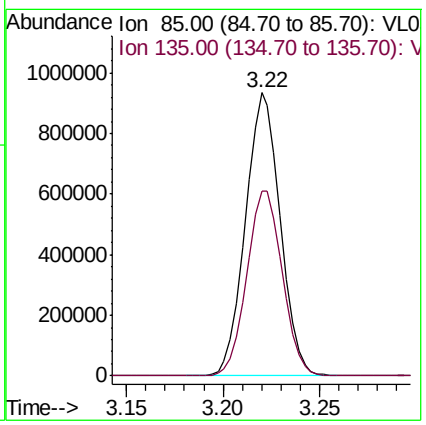


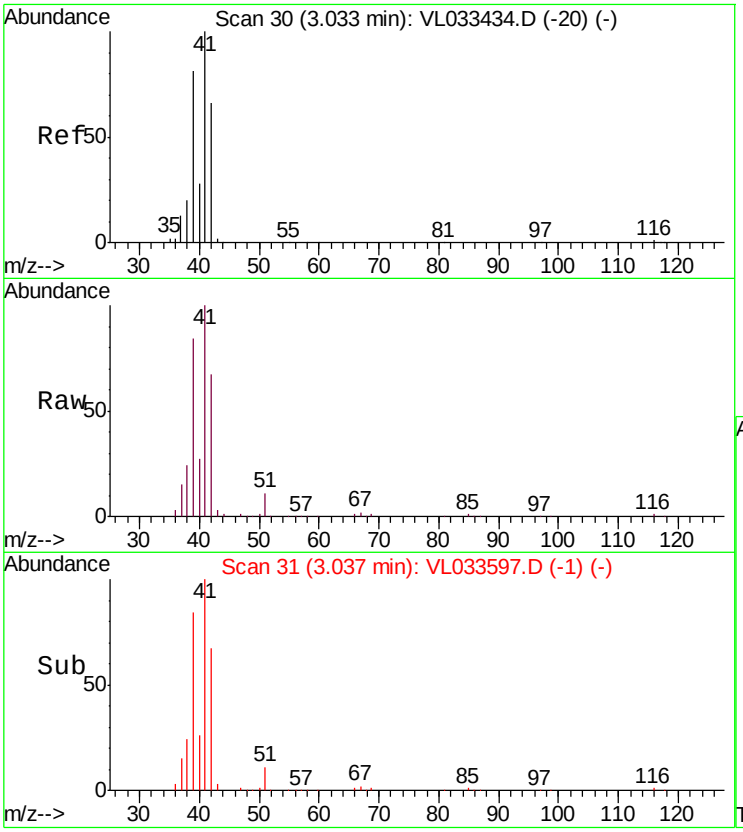


#8
Dichlorotetrafluoroethane
Concen: 8.984 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 85 Resp: 1167161

Ion	Ratio	Lower	Upper
85	100		
135	67.0	54.0	81.0



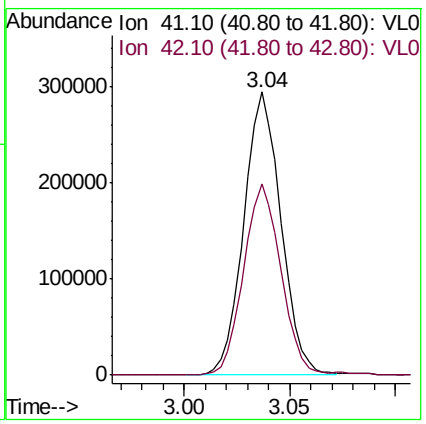


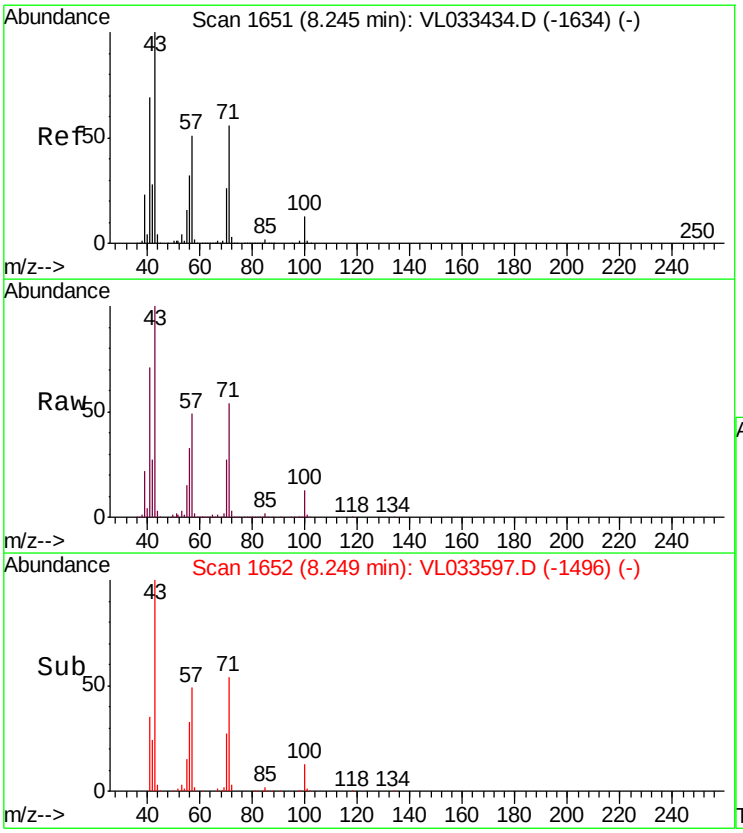
#9
Propene
Concen: 8.928 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 360868

Ion	Ratio	Lower	Upper
41	100		
42	68.5	53.9	80.9

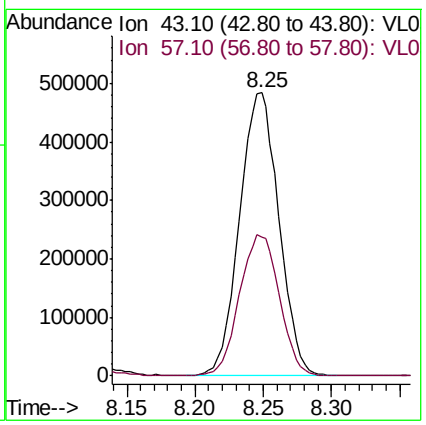


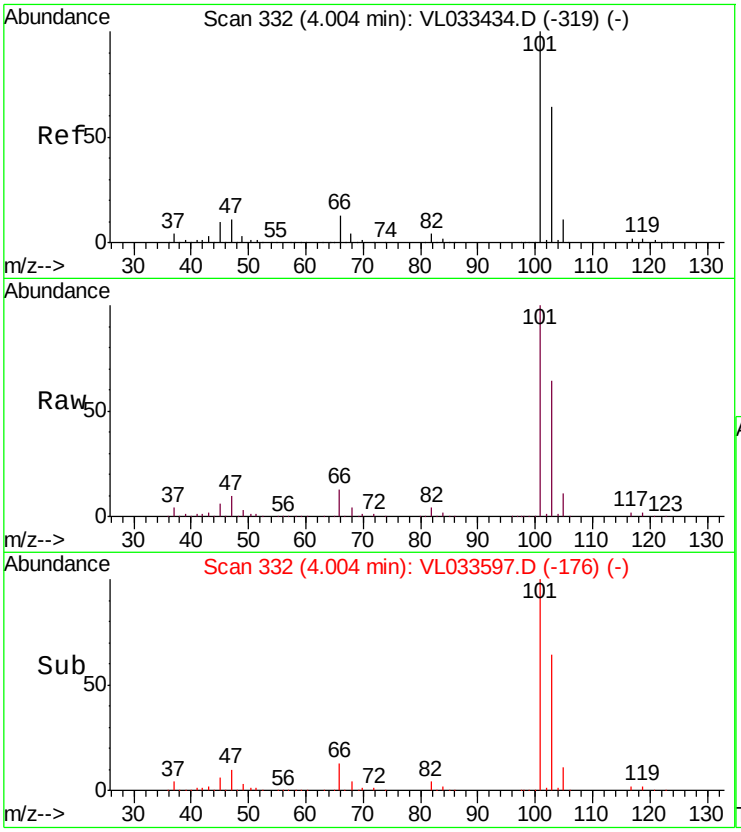


#10
Heptane
Concen: 8.912 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 962887

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.6	60.8



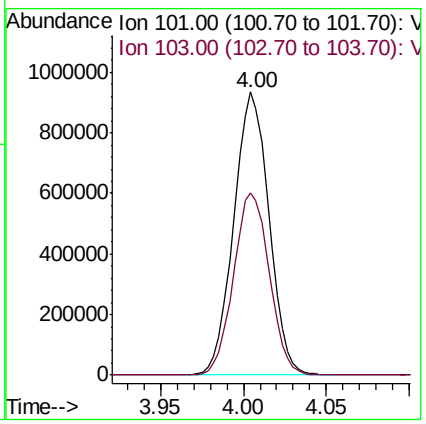


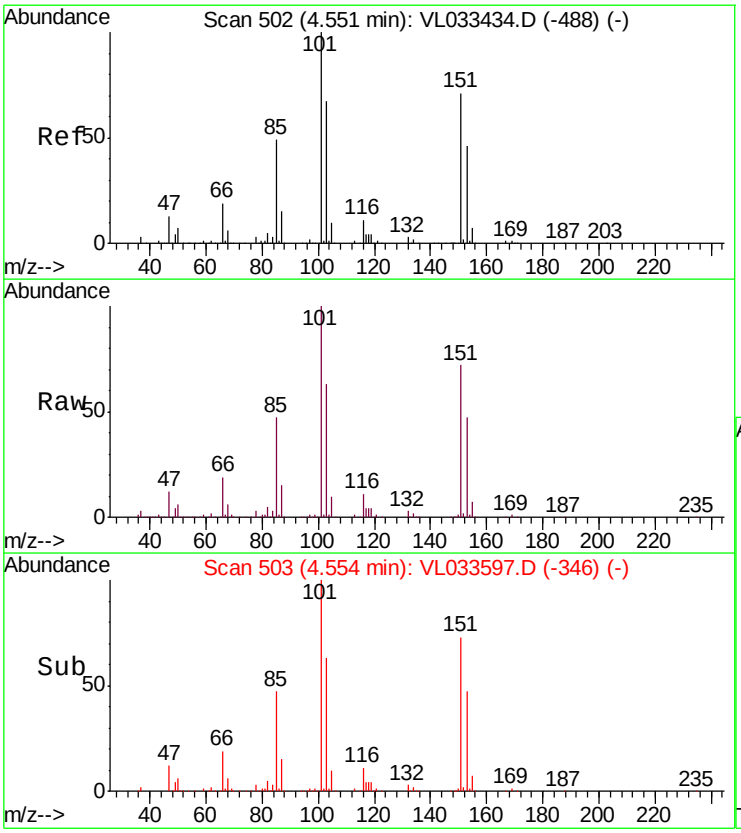
#11
Trichlorofluoromethane
Concen: 9.203 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1382837

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.3	76.9

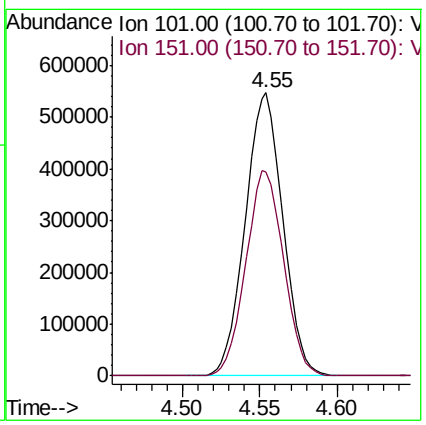


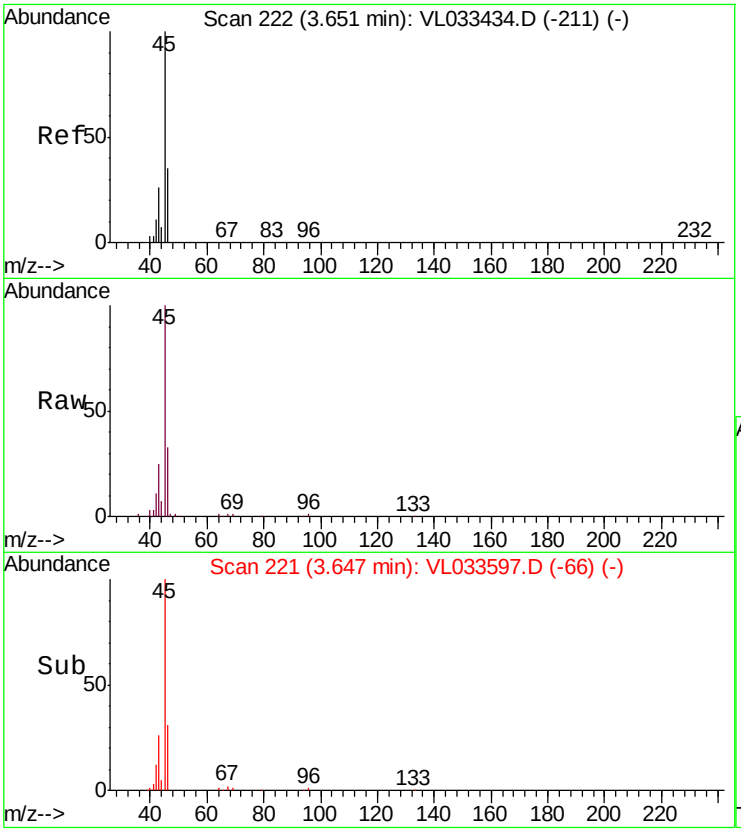


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.193 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:101 Resp: 927845

Ion	Ratio	Lower	Upper
101	100		
151	73.1	57.7	86.5



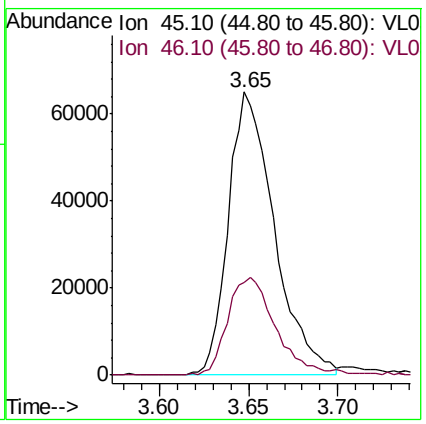


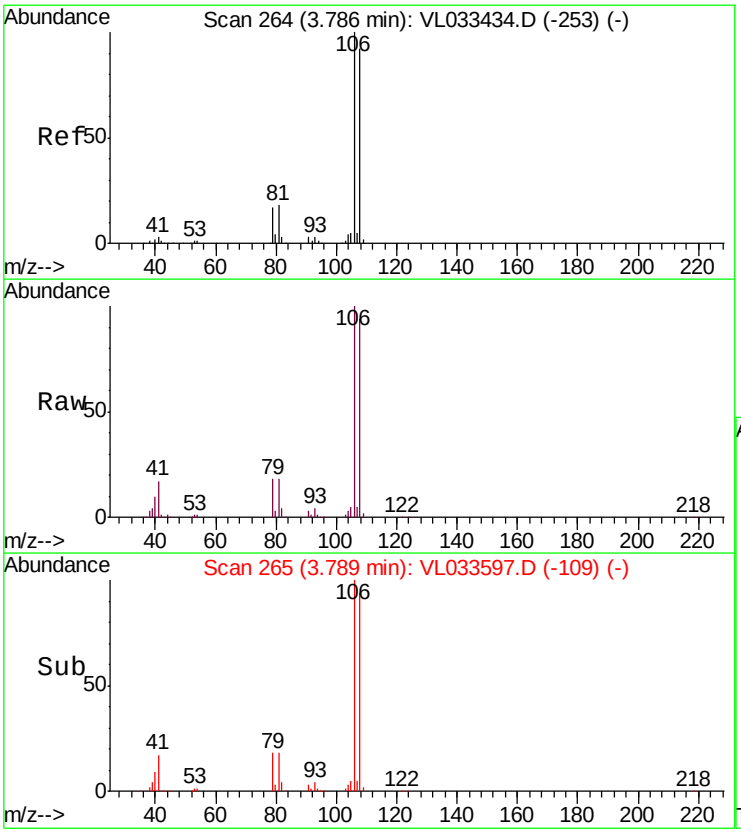
#13
Ethanol
Concen: 11.156 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 116685

Ion	Ratio	Lower	Upper
45	100		
46	36.8	25.4	101.8

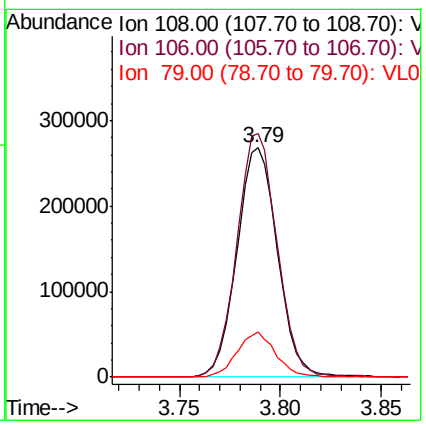


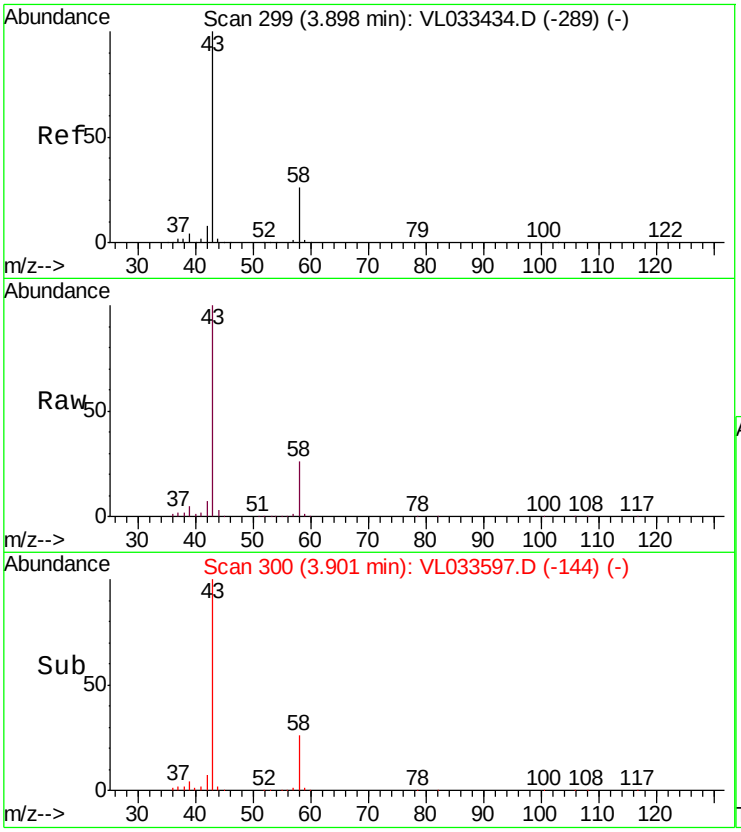


#14
Bromoethene
Concen: 9.405 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:108 Resp: 378588

Ion	Ratio	Lower	Upper
108	100		
106	105.9	86.4	129.6
79	18.9	15.8	23.8



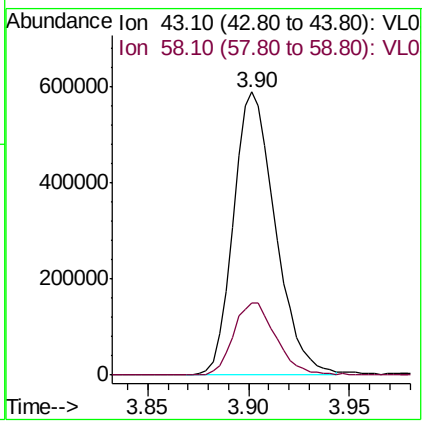


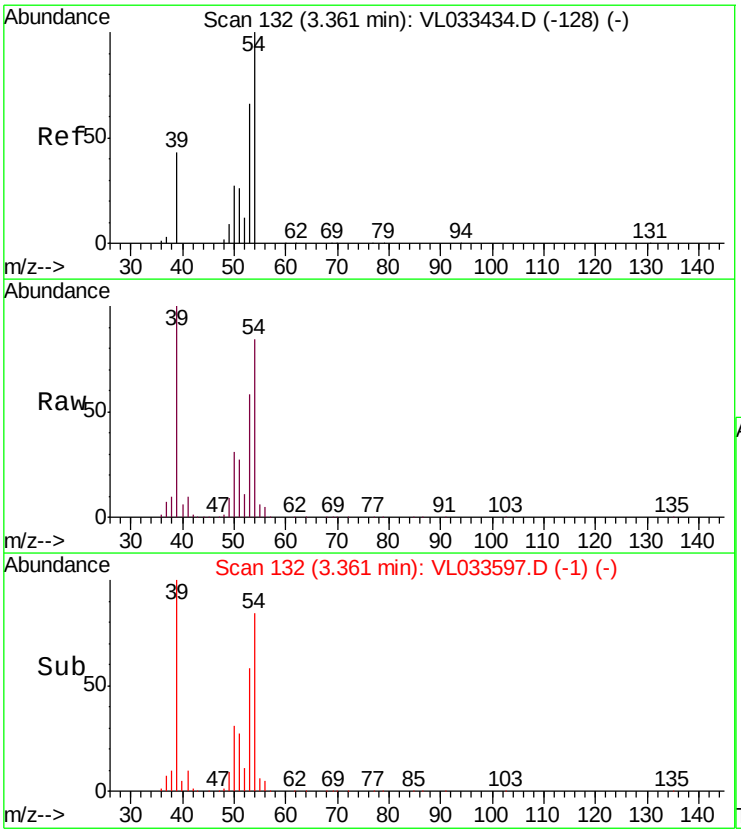
#15
Acetone
Concen: 8.550 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 859429

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.5	30.7

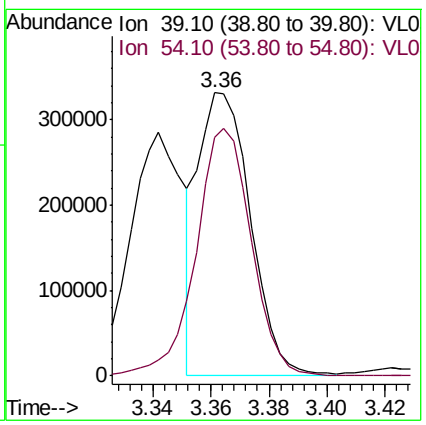


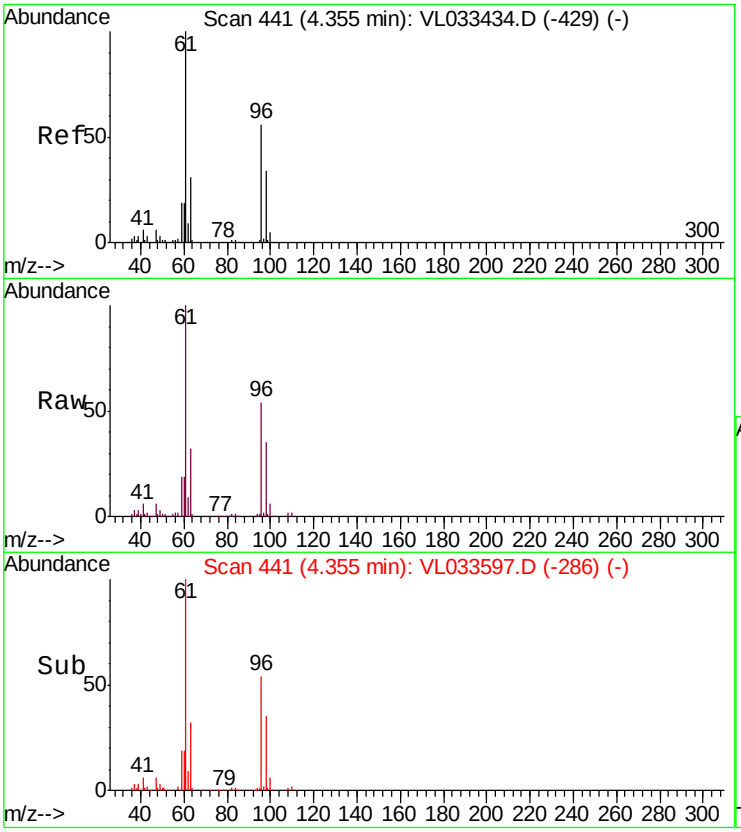


#16
1,3-Butadiene
Concen: 10.360 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 39 Resp: 413033

Ion	Ratio	Lower	Upper
39	100		
54	93.9	69.4	104.2



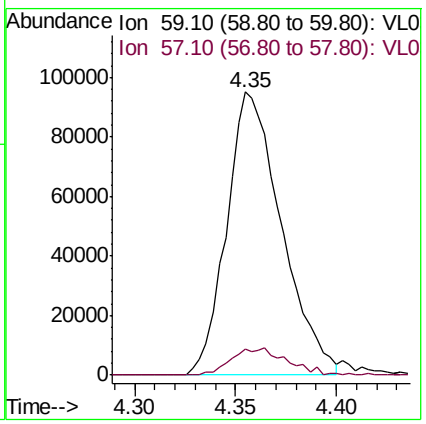


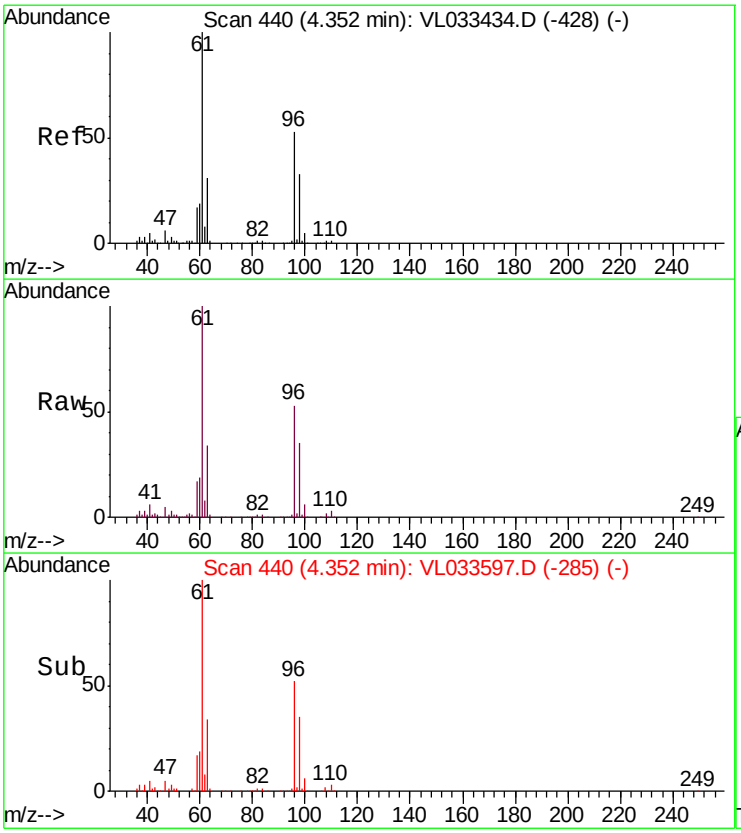
#17
tert-Butyl alcohol
Concen: 9.744 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 180094

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

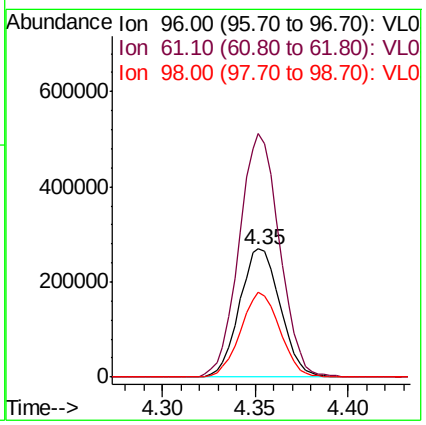


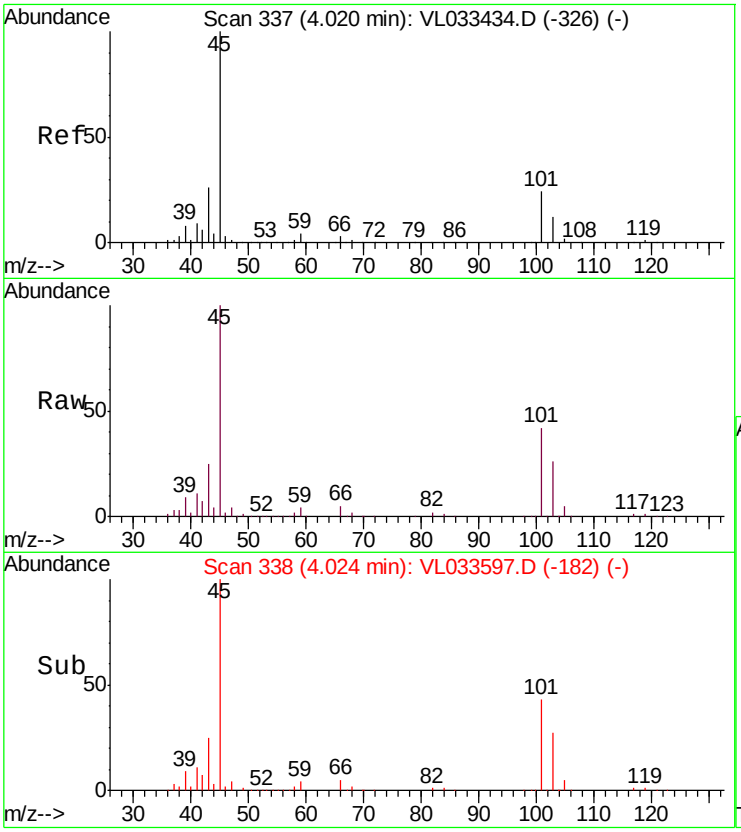


#18
1,1-Dichloroethene
Concen: 9.487 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 96 Resp: 411286

Ion	Ratio	Lower	Upper
96	100		
61	190.4	149.8	224.6
98	66.1	48.7	73.1



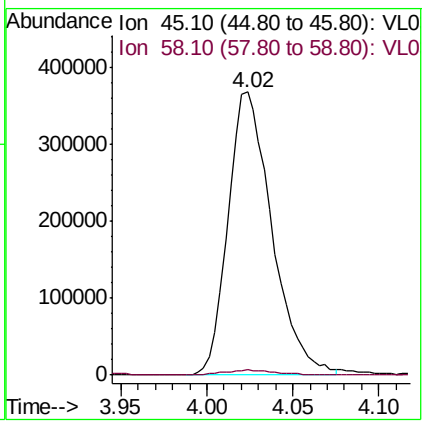


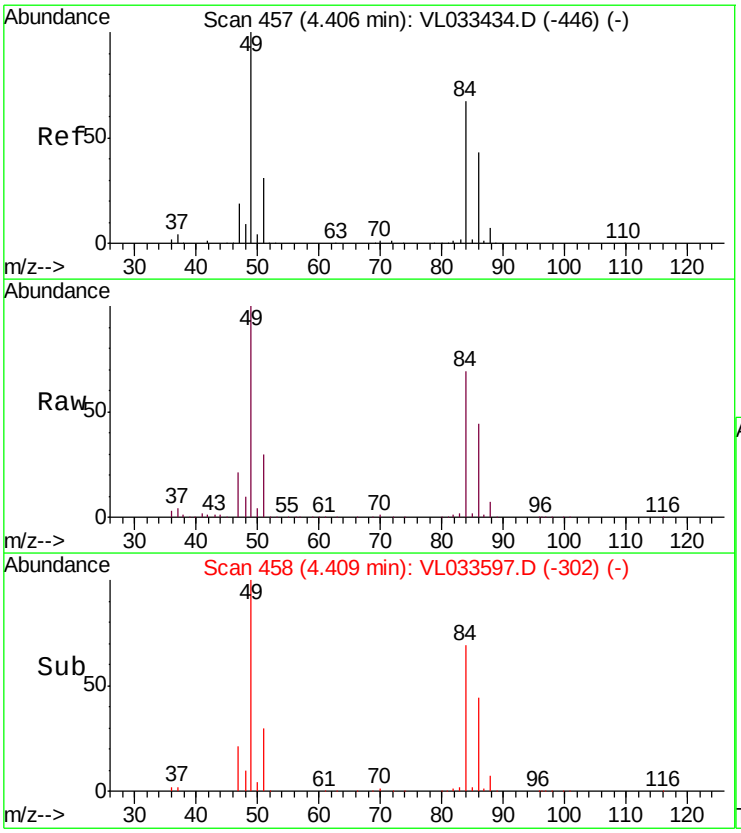
#19
Isopropyl Alcohol
Concen: 10.299 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 654812

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.2#

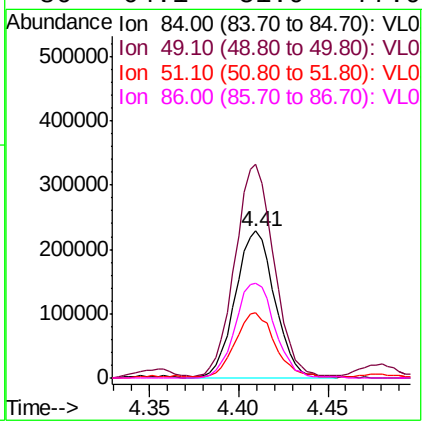


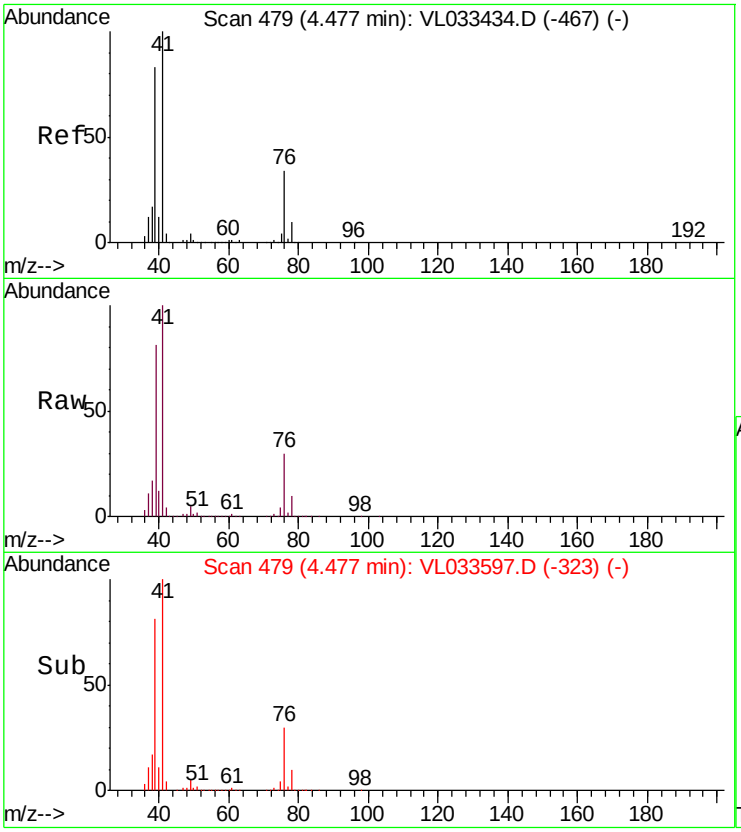


#20
Methylene Chloride
Concen: 8.302 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 84 Resp: 354235

Ion	Ratio	Lower	Upper
84	100		
49	143.9	120.0	180.0
51	43.5	36.7	55.1
86	64.1	51.9	77.9



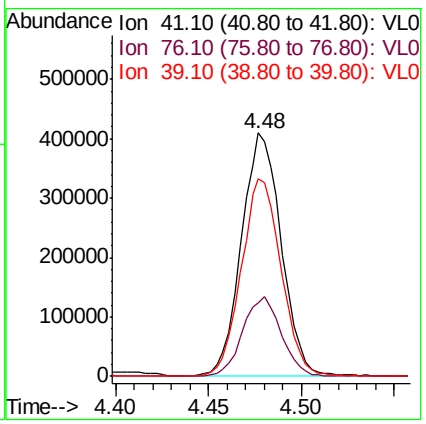


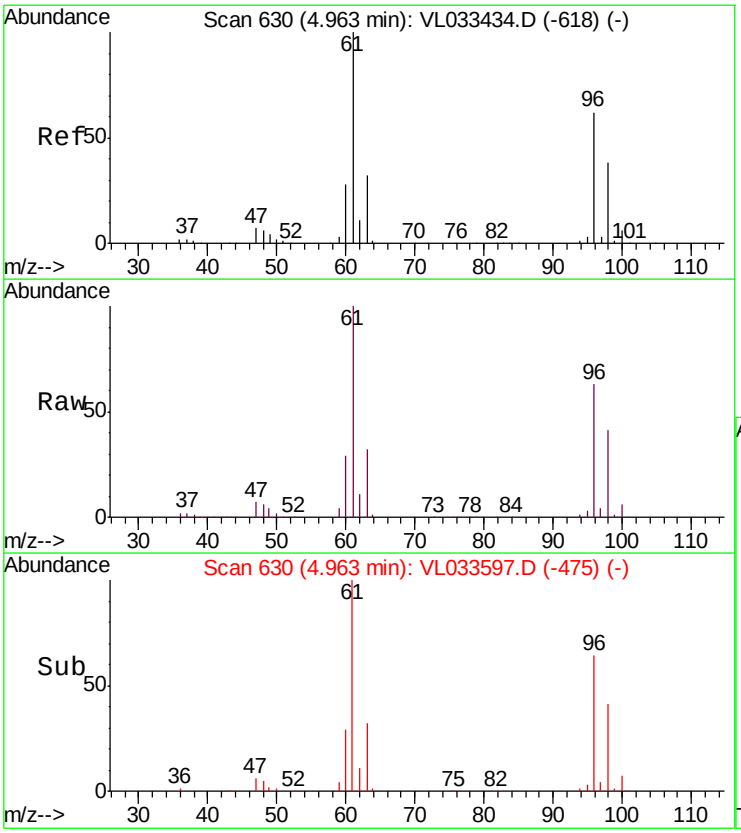
#21
Allyl Chloride
Concen: 9.549 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 606735

Ion	Ratio	Lower	Upper
41	100		
76	31.9	25.4	38.2
39	81.9	65.3	97.9

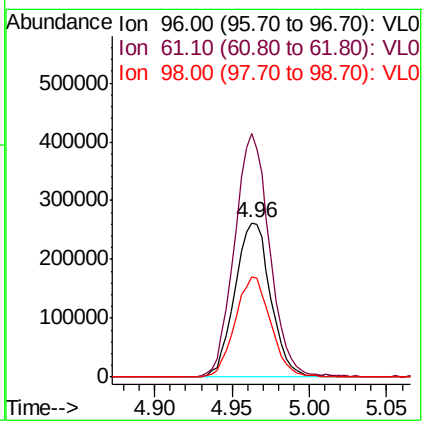


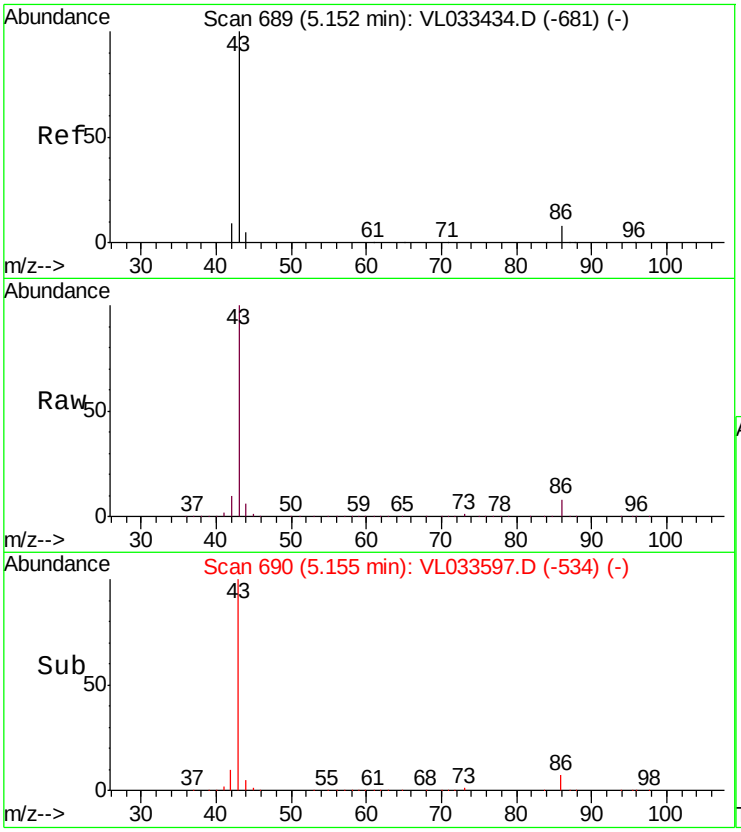


#22
trans-1,2-Dichloroethene
Concen: 9.343 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 96 Resp: 422583

Ion	Ratio	Lower	Upper
96	100		
61	157.8	128.9	193.3
98	64.7	49.5	74.3



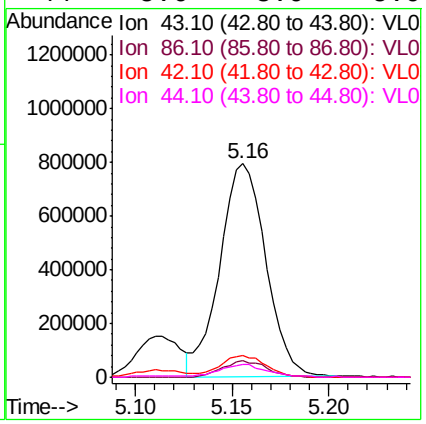


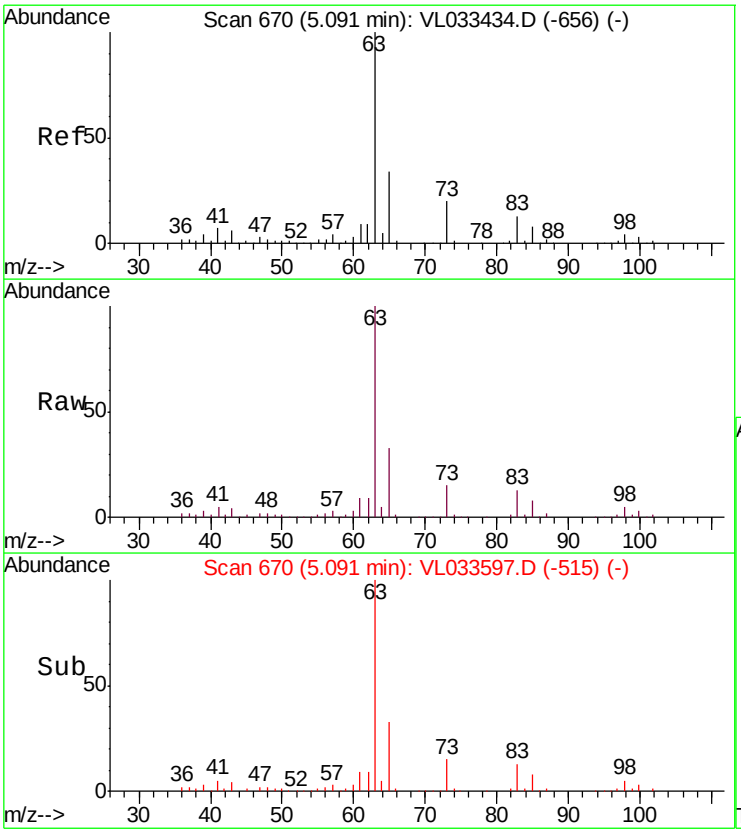
#23
Vinyl Acetate
Concen: 9.131 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1306318

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.6	8.4
42	10.0	8.0	12.0
44	5.6	3.9	5.9

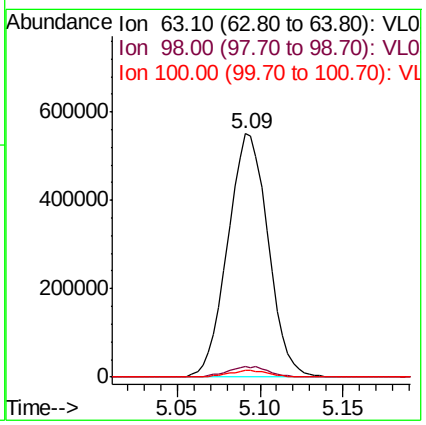


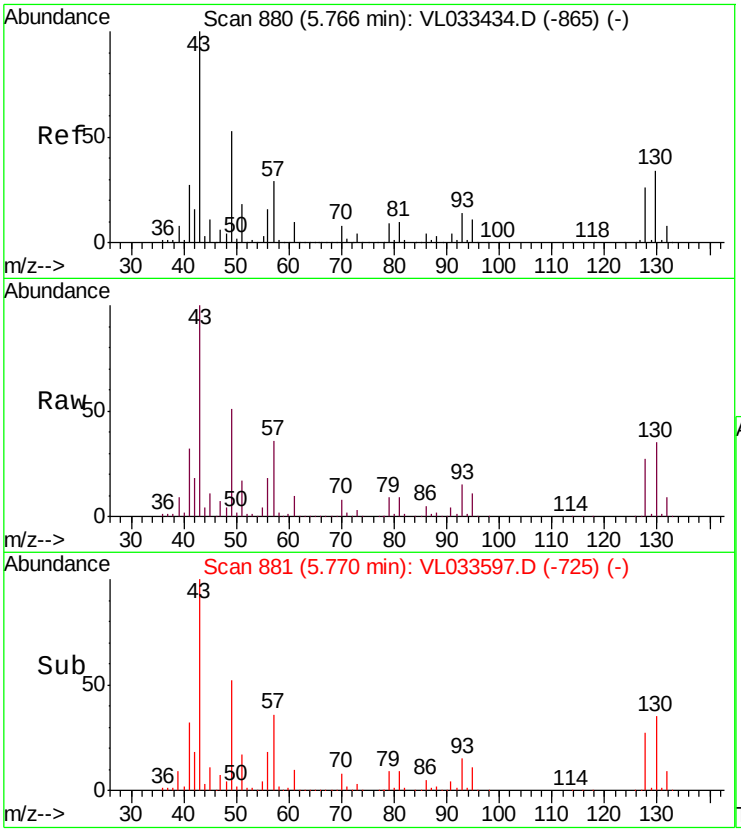


#24
1,1-Dichloroethane
Concen: 8.519 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 63 Resp: 925826

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.6	1.5	4.4



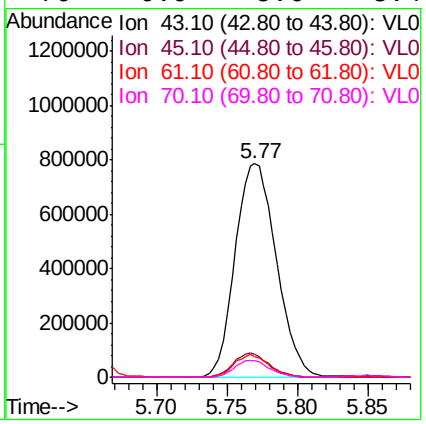


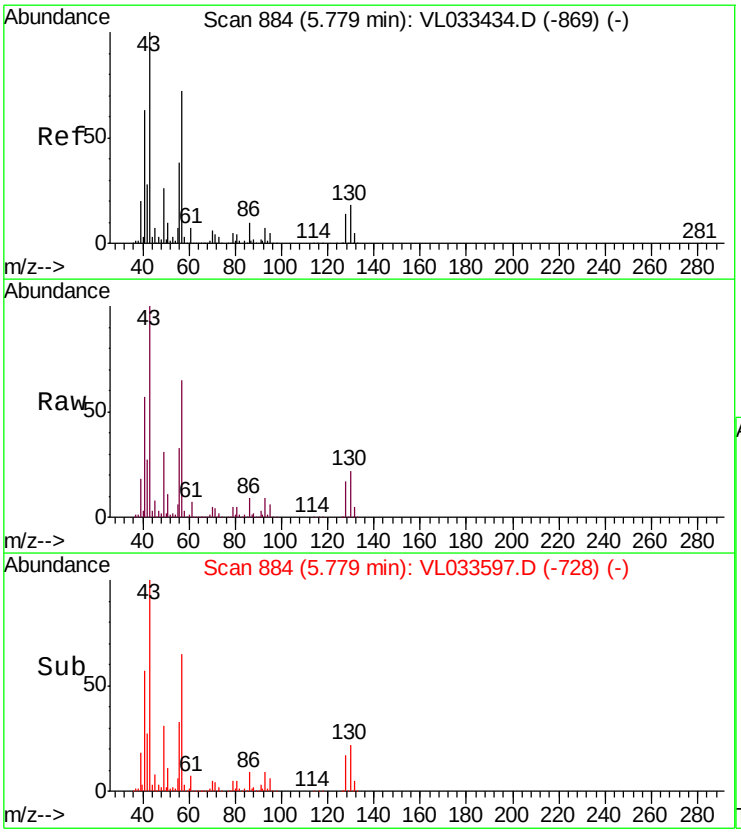
#25
Ethyl Acetate
Concen: 8.633 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1610075

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.2	7.3	10.9
70	6.9	5.6	8.4

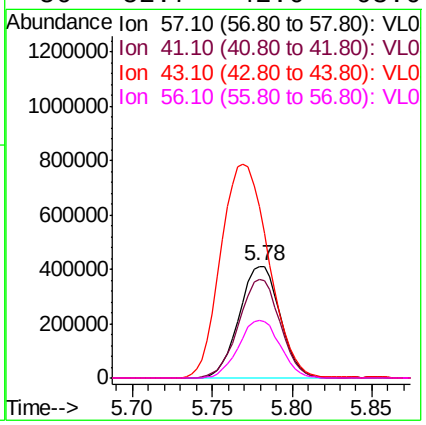


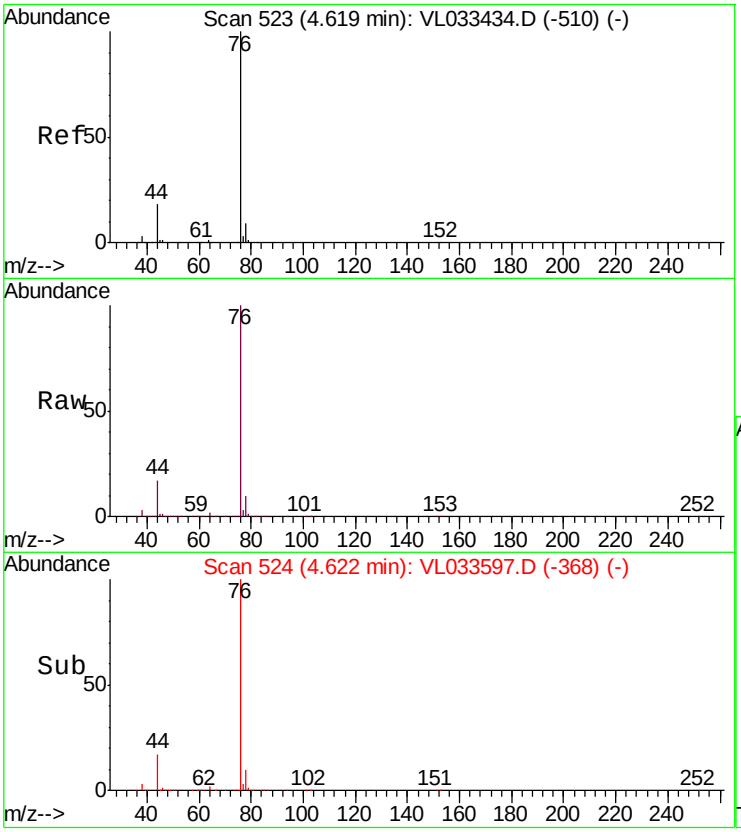


#26
Hexane
Concen: 8.650 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 57 Resp: 717241

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.7	106.1
43	225.6	182.6	274.0
56	52.7	42.0	63.0



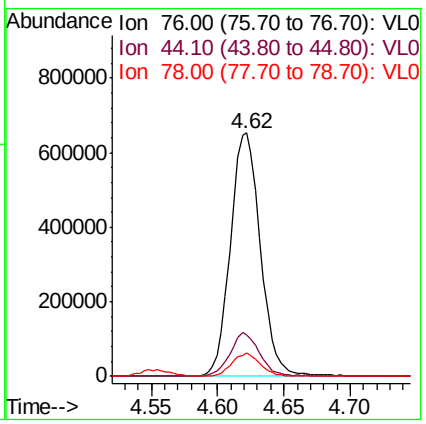


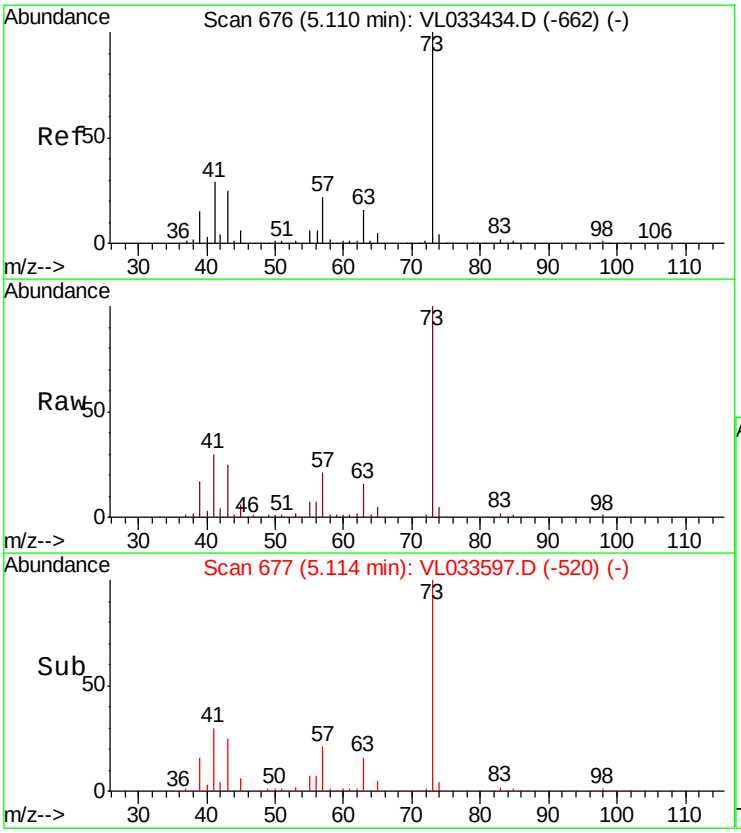
#27
Carbon Disulfide
Concen: 10.384 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1023988

Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.8	22.2
78	9.2	7.6	11.4

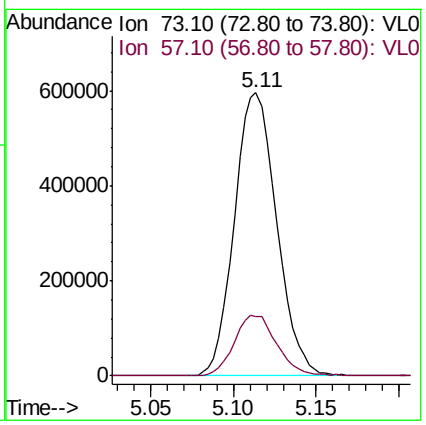


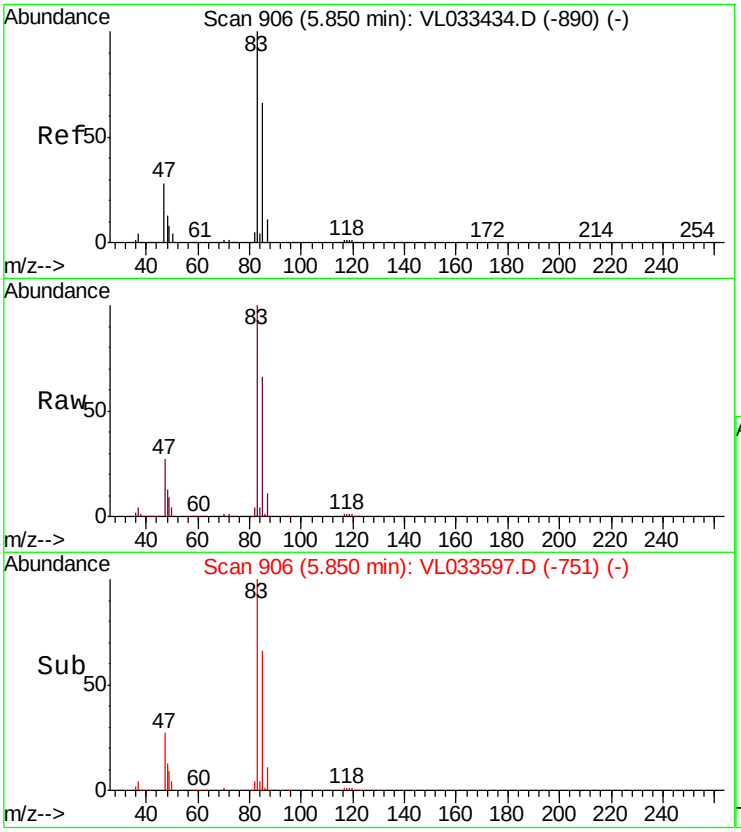


#28
Methyl tert-Butyl Ether
Concen: 8.871 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 73 Resp: 1059457

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



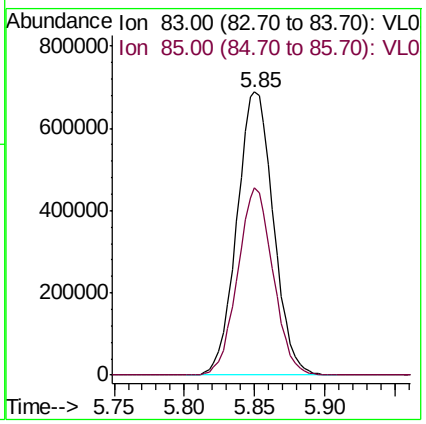


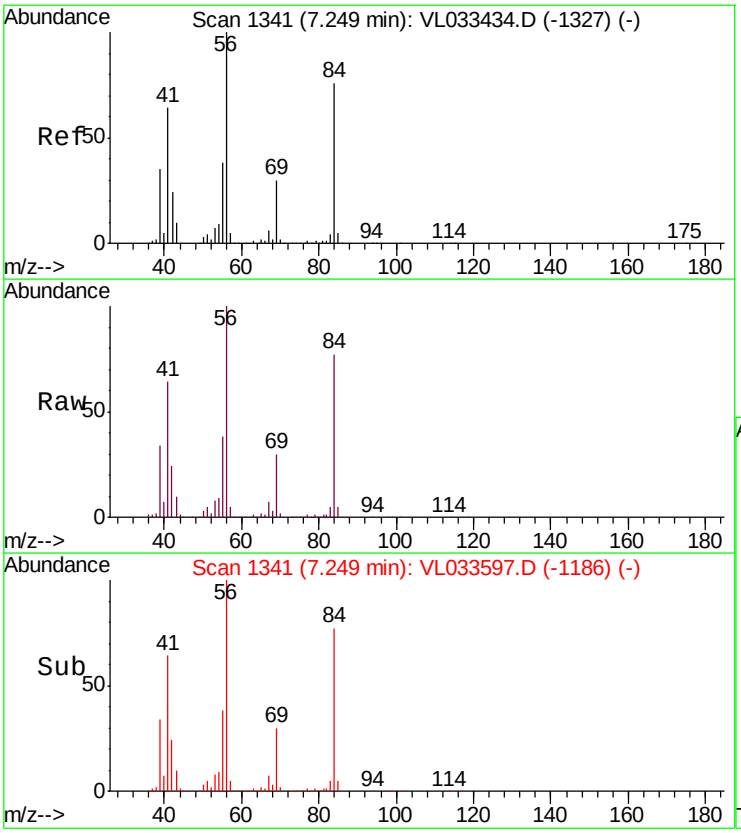
#29
Chloroform
Concen: 8.773 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1247066

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0

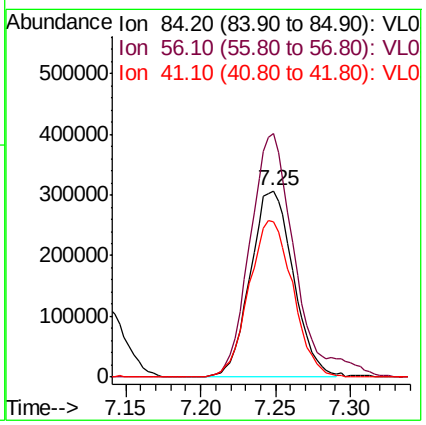


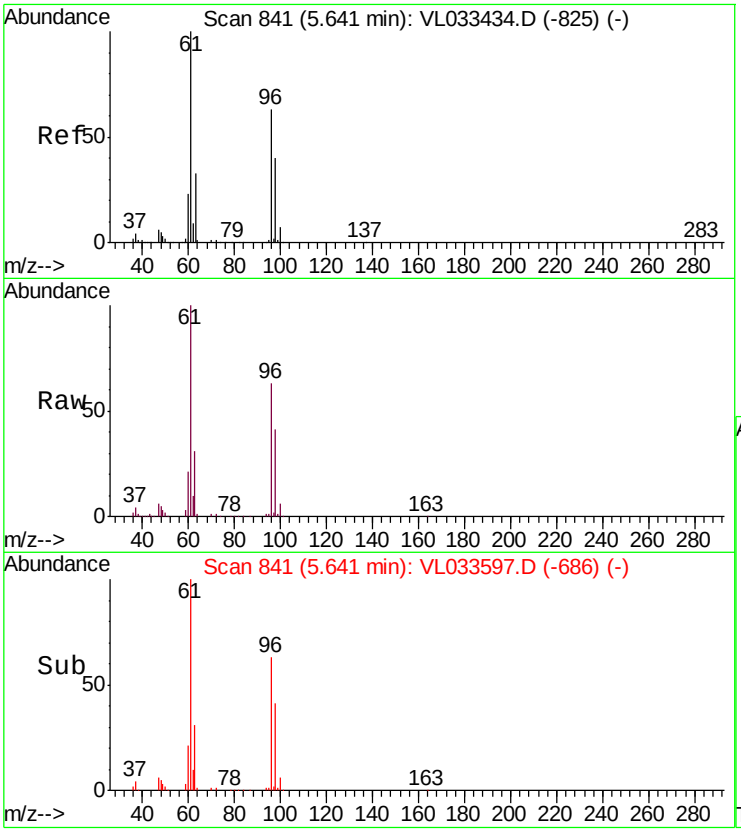


#30
Cyclohexane
Concen: 9.353 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 84 Resp: 613588

Ion	Ratio	Lower	Upper
84	100		
56	136.6	109.7	164.5
41	85.8	68.2	102.2



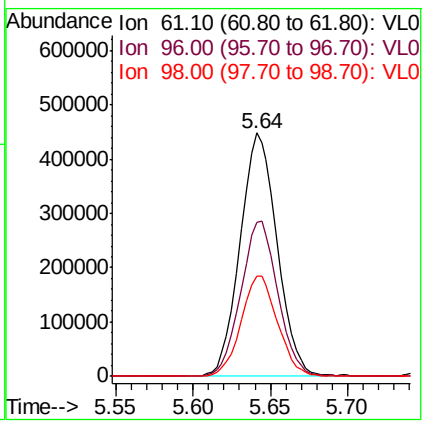


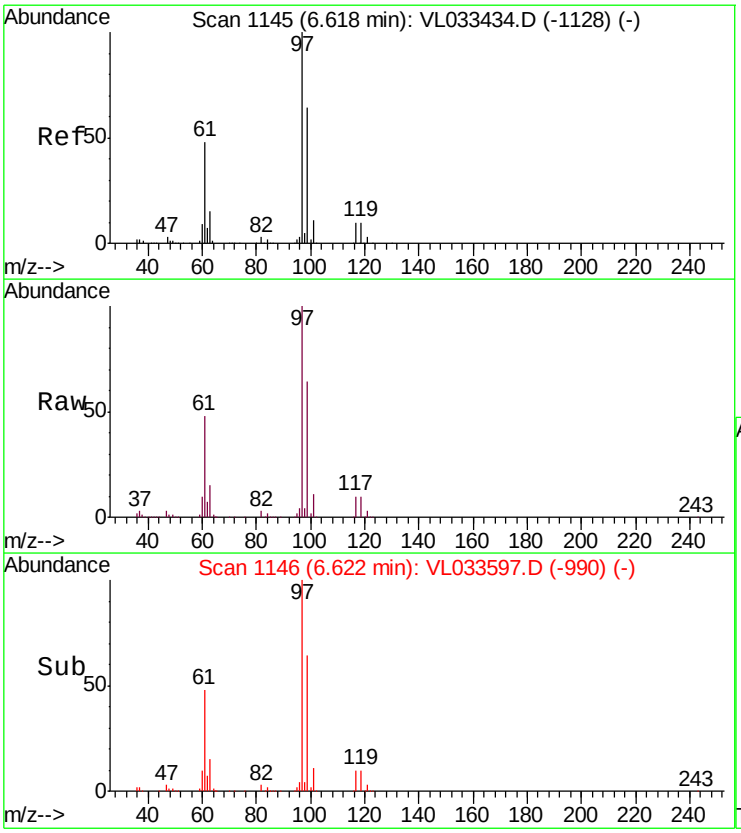
#31
cis-1,2-Dichloroethene
Concen: 9.066 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 747462

Ion	Ratio	Lower	Upper
61	100		
96	63.4	50.6	76.0
98	41.4	32.2	48.2

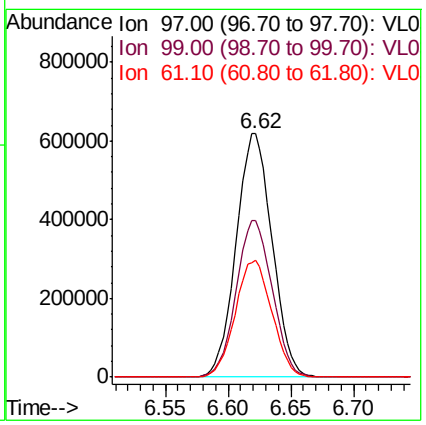


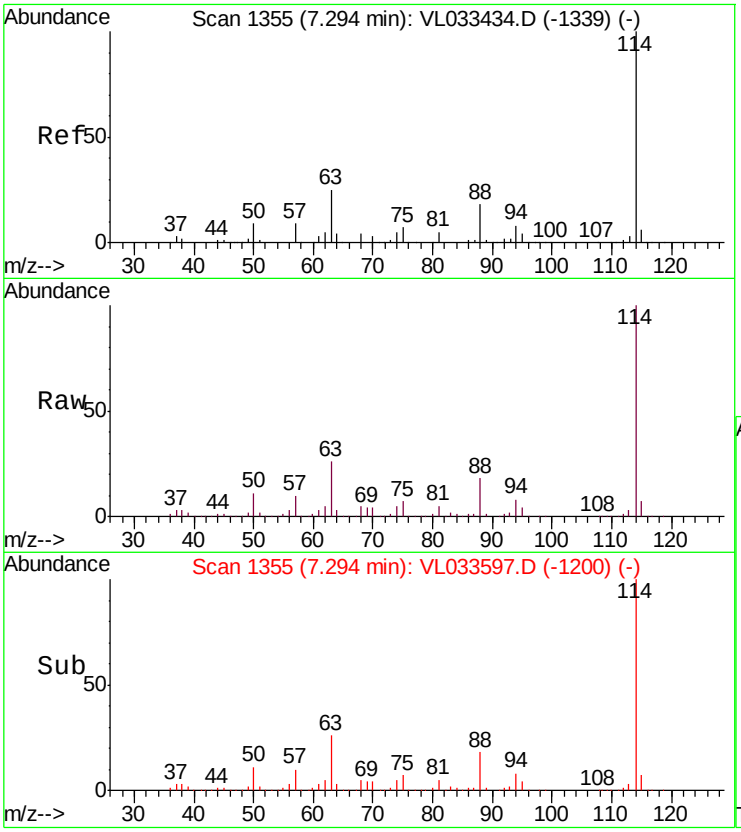


#32
1,1,1-Trichloroethane
Concen: 9.126 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 97 Resp: 1235240

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.9	38.8	58.2



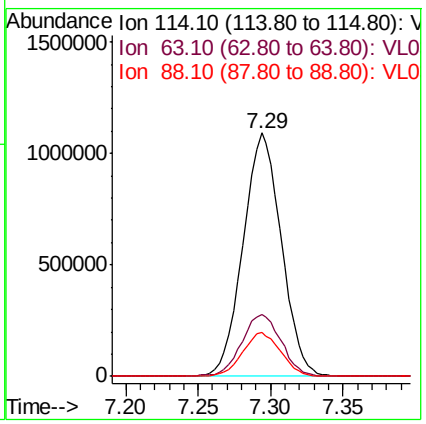


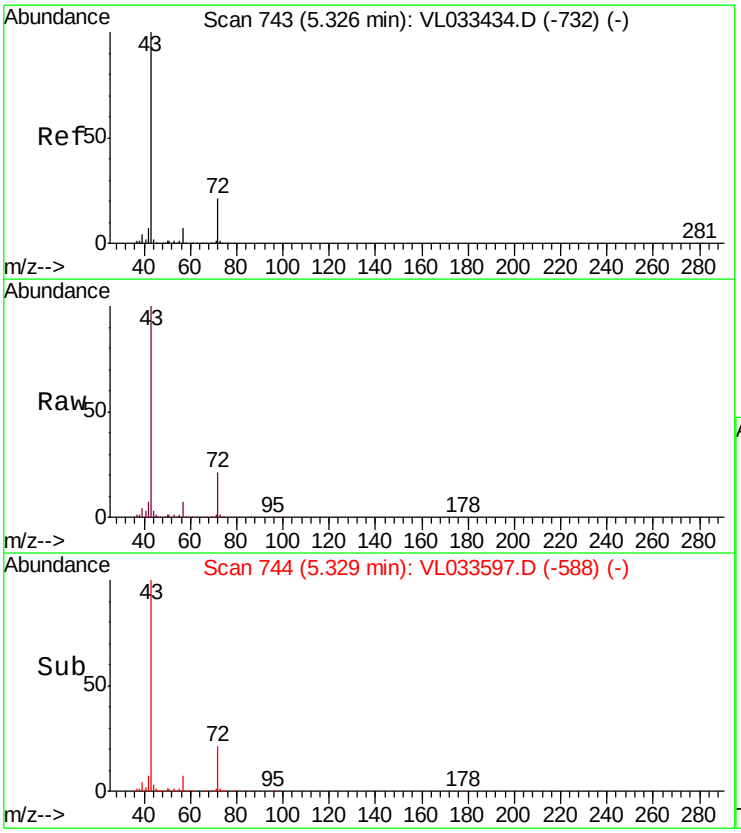
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2005437

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.0	14.5	21.7

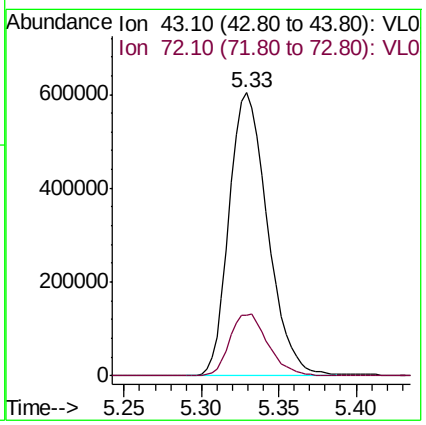


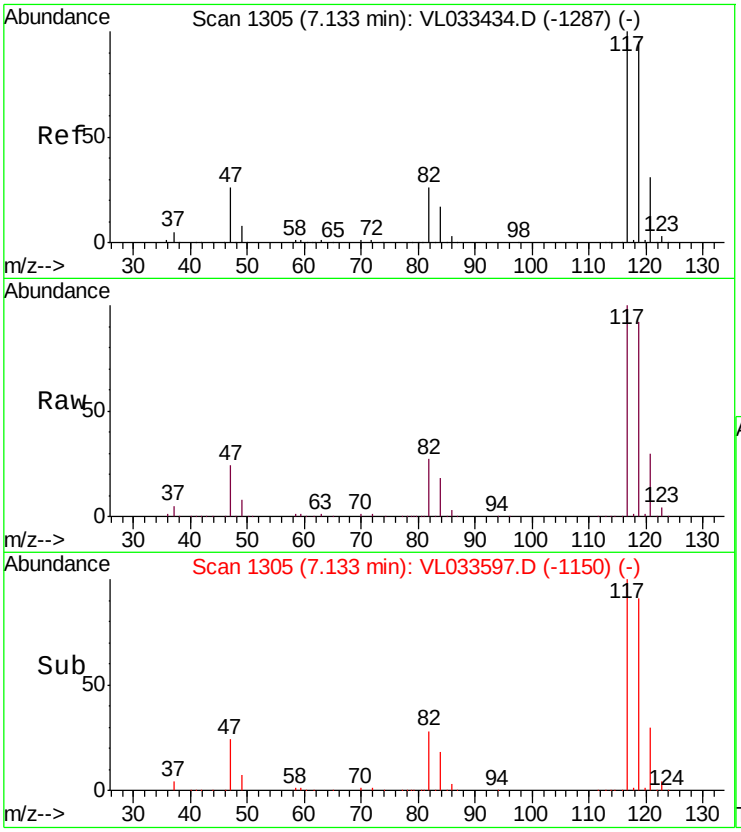


#34
2-Butanone
Concen: 8.636 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 1040566

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.4	26.2



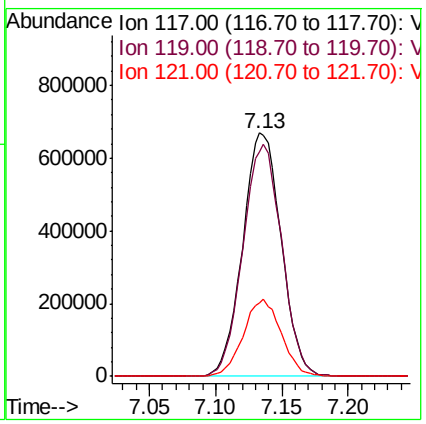


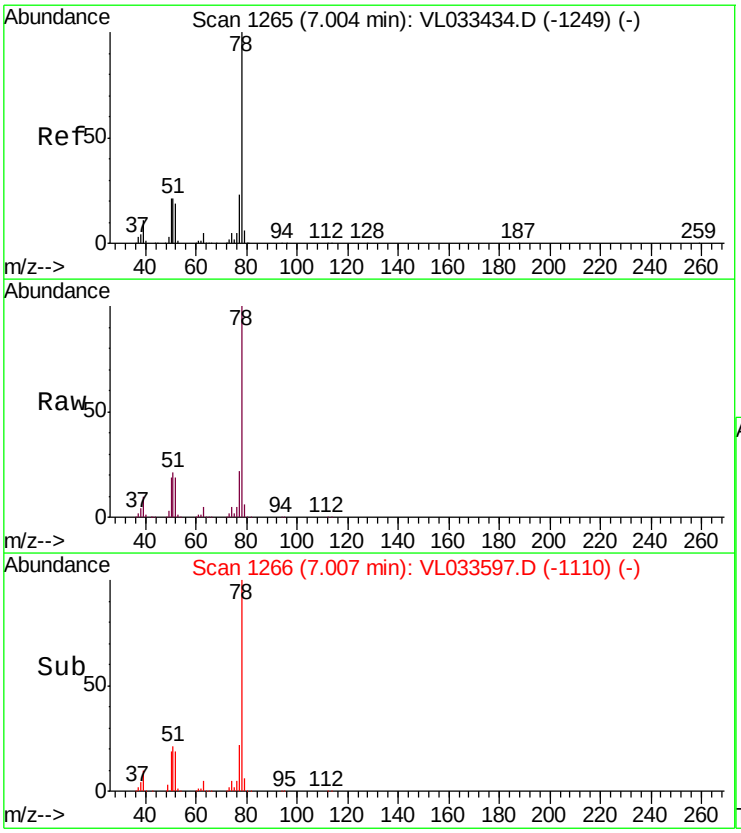
#35
Carbon Tetrachloride
Concen: 9.553 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1356935

Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.8	113.8
121	30.3	24.7	37.1

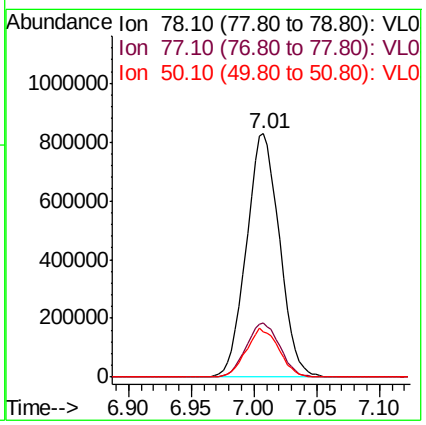


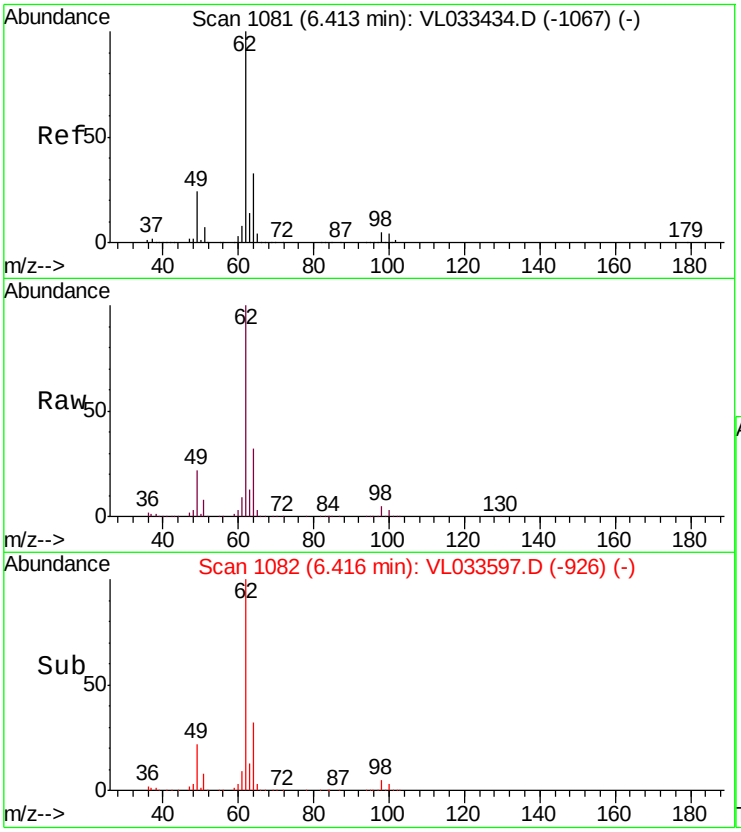


#36
Benzene
Concen: 9.053 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 78 Resp: 1523351

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.1	27.1
50	18.8	16.7	25.1



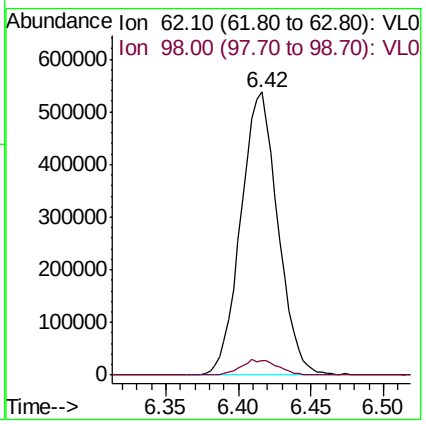


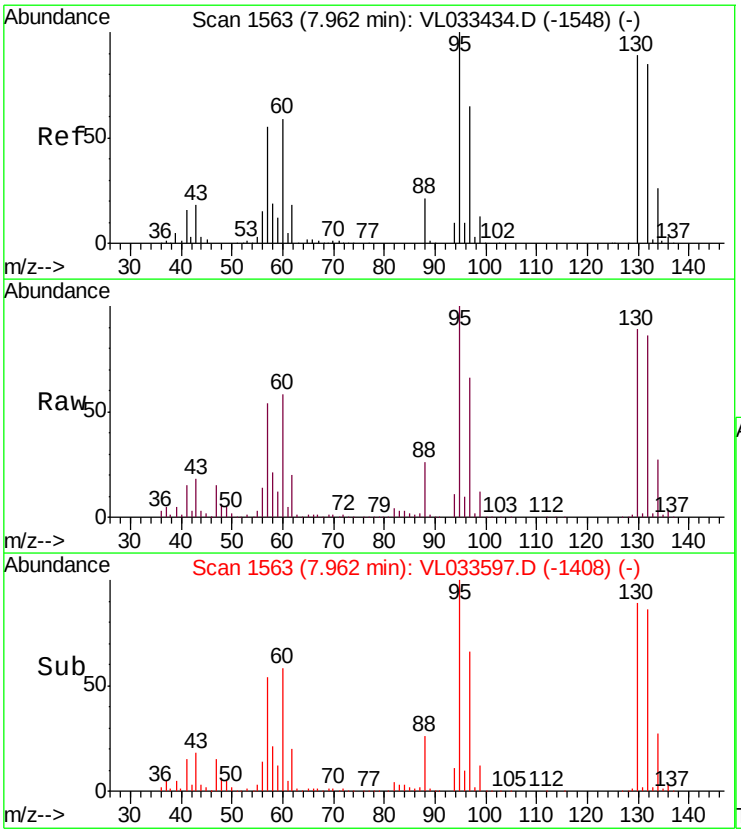
#37
1,2-Dichloroethane
Concen: 8.483 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 956799

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.4	6.6

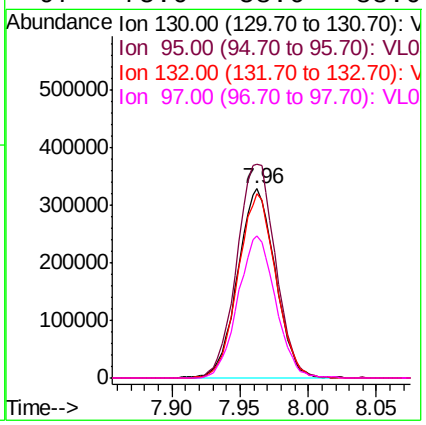


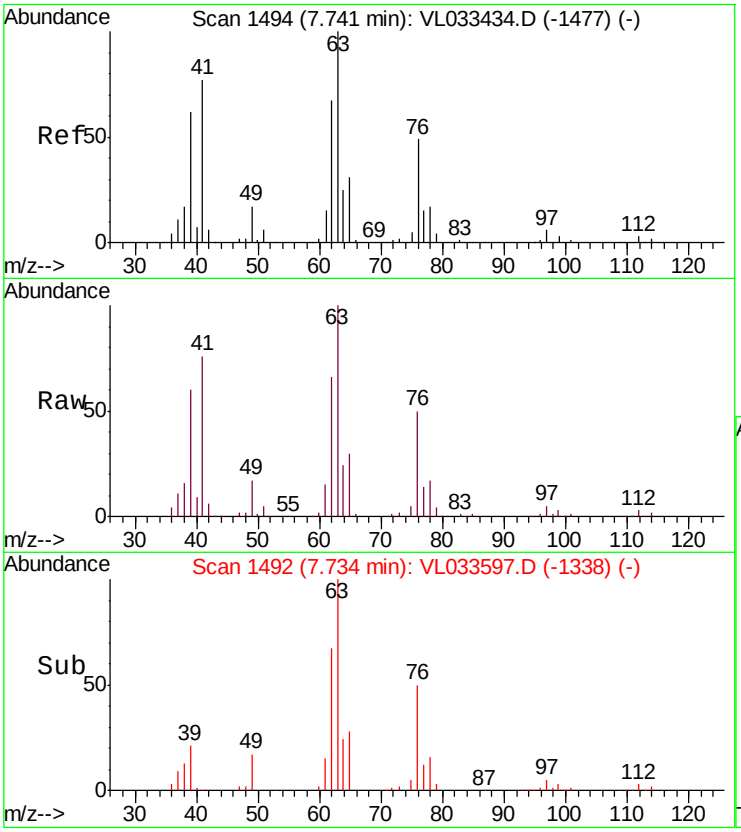


#38
Trichloroethene
Concen: 9.876 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:130 Resp: 625443

Ion	Ratio	Lower	Upper
130	100		
95	113.2	89.8	134.8
132	97.4	76.6	115.0
97	75.0	58.6	88.0



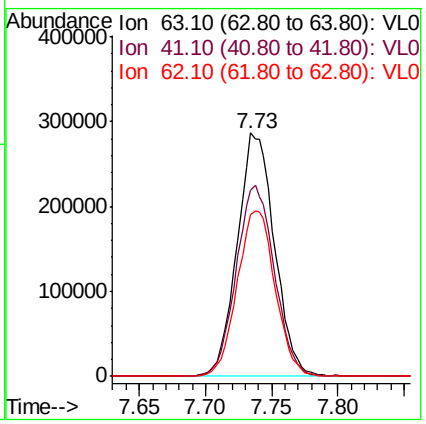


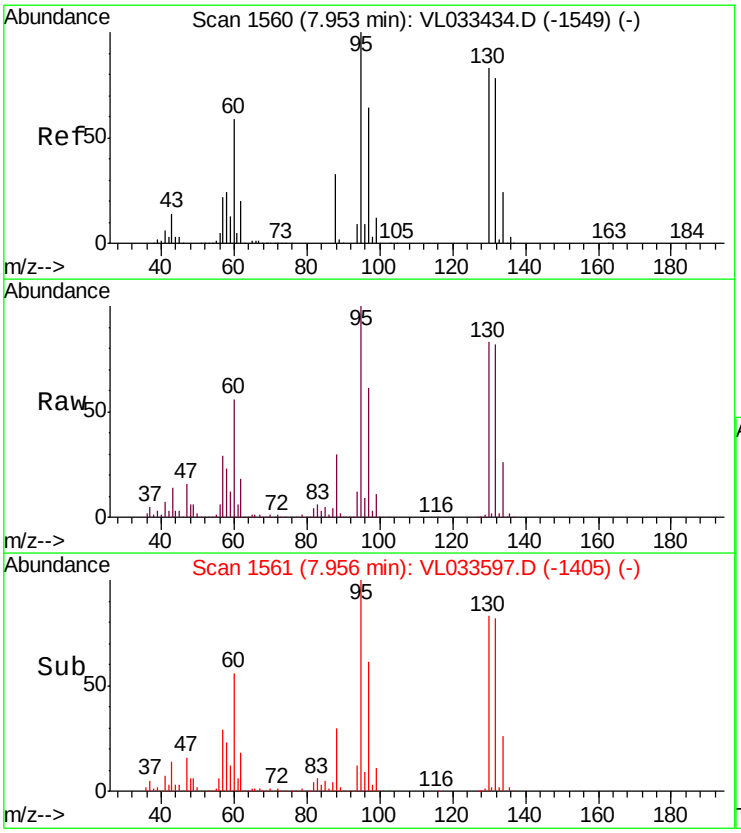
#39
1,2-Dichloropropane
Concen: 8.492 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 559746

Ion	Ratio	Lower	Upper
63	100		
41	76.2	61.2	91.8
62	66.1	54.0	81.0

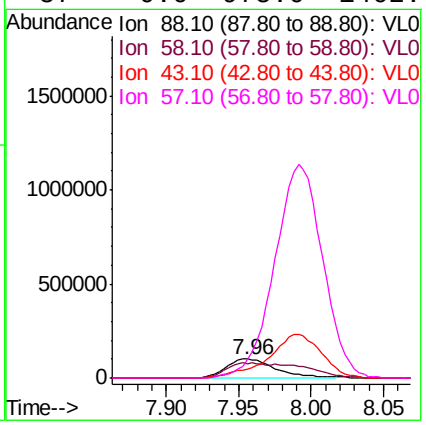


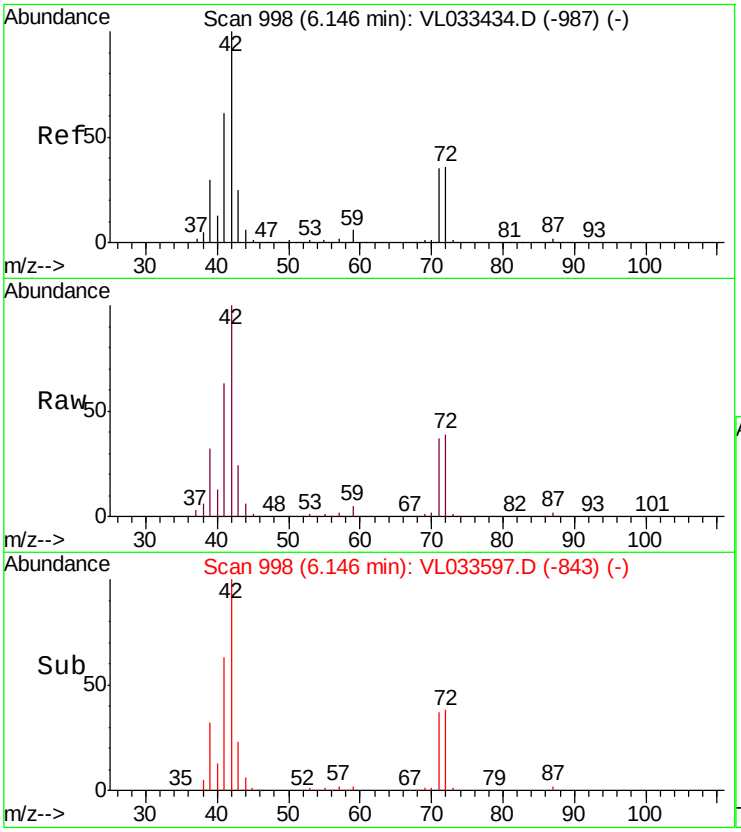


#40
1,4-Dioxane
Concen: 10.279 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 88 Resp: 241665

Ion	Ratio	Lower	Upper
88	100		
58	125.8	105.6	158.4
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#



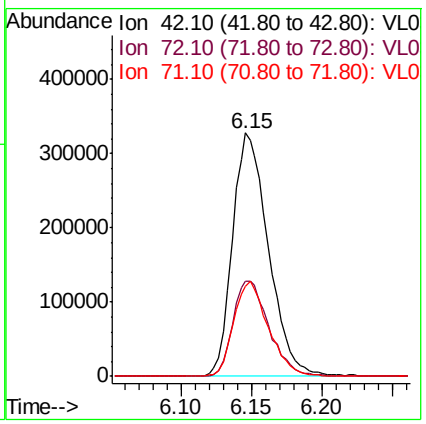


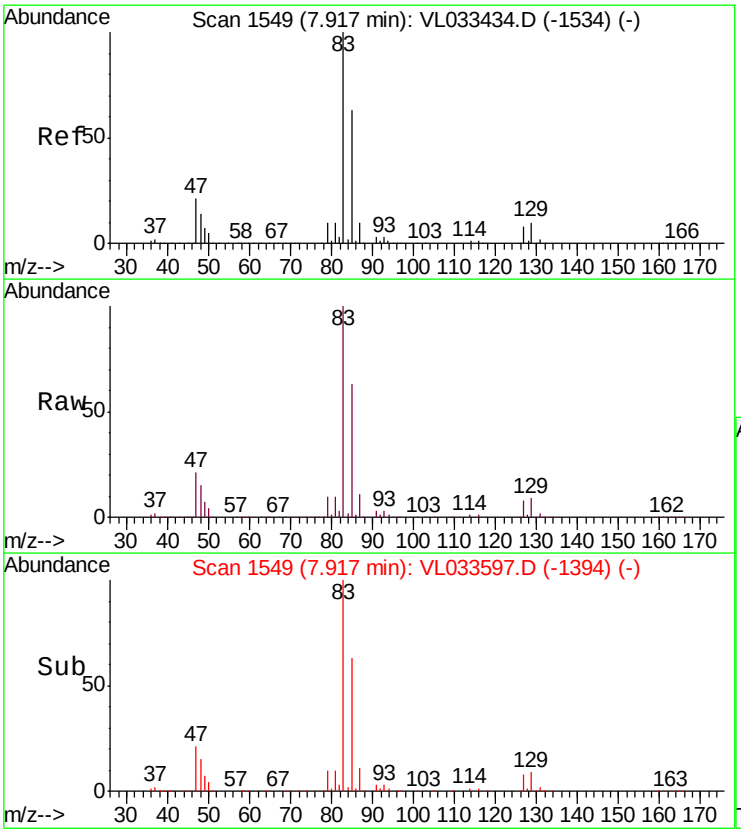
#41
Tetrahydrofuran
Concen: 8.831 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 585271

Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.2	45.2
71	37.8	29.4	44.2

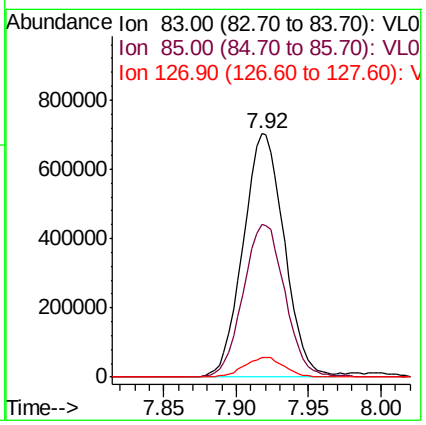


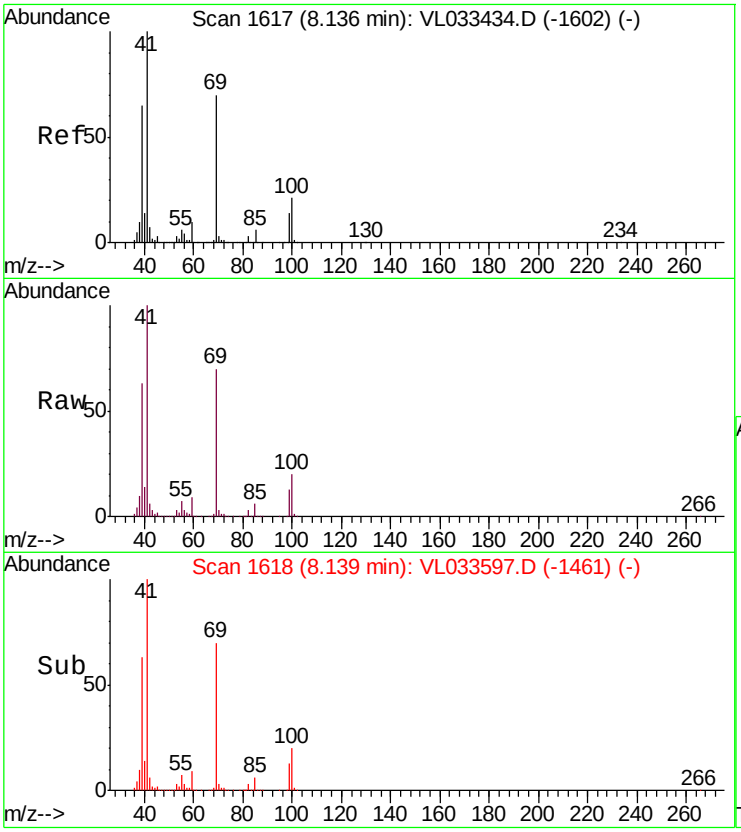


#42
Bromodichloromethane
Concen: 9.043 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 83 Resp: 1389108

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.7	76.1
127	8.1	6.6	9.8



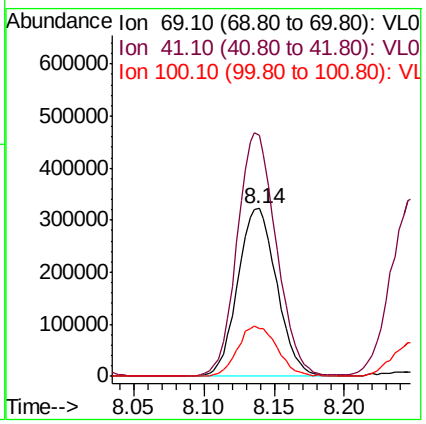


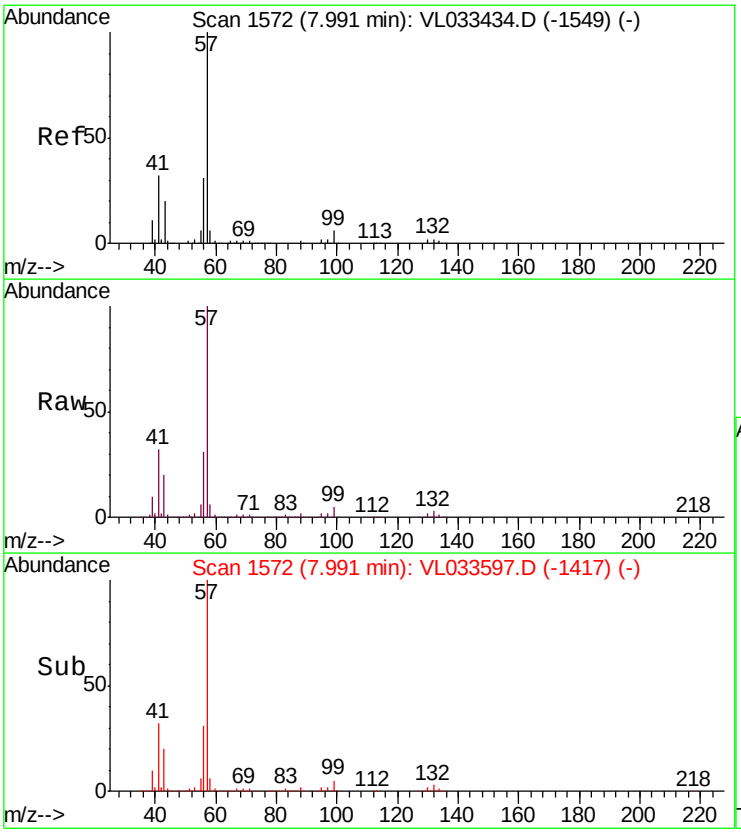
#43
Methyl Methacrylate
Concen: 9.144 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 624784

Ion	Ratio	Lower	Upper
69	100		
41	145.9	116.6	174.8
100	30.4	24.4	36.6

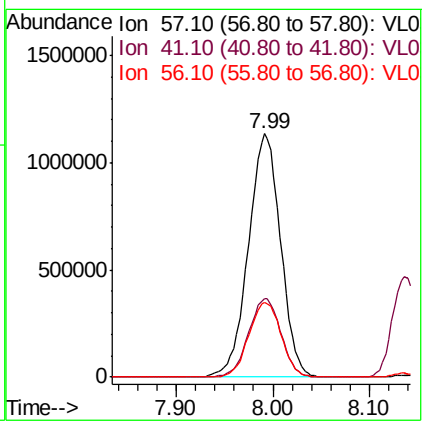


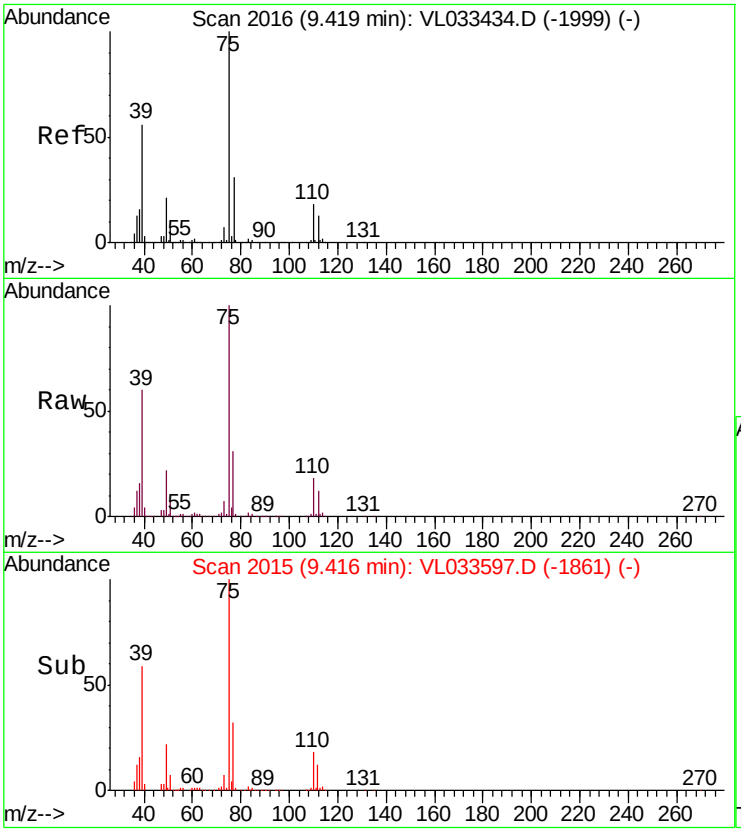


#44
2,2,4-Trimethylpentane
Concen: 8.914 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 57 Resp: 2621142

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.0	39.0
56	30.8	24.6	37.0



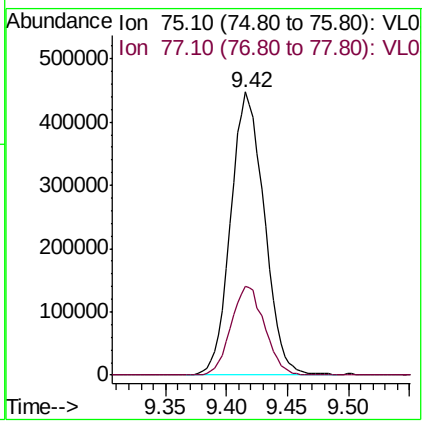


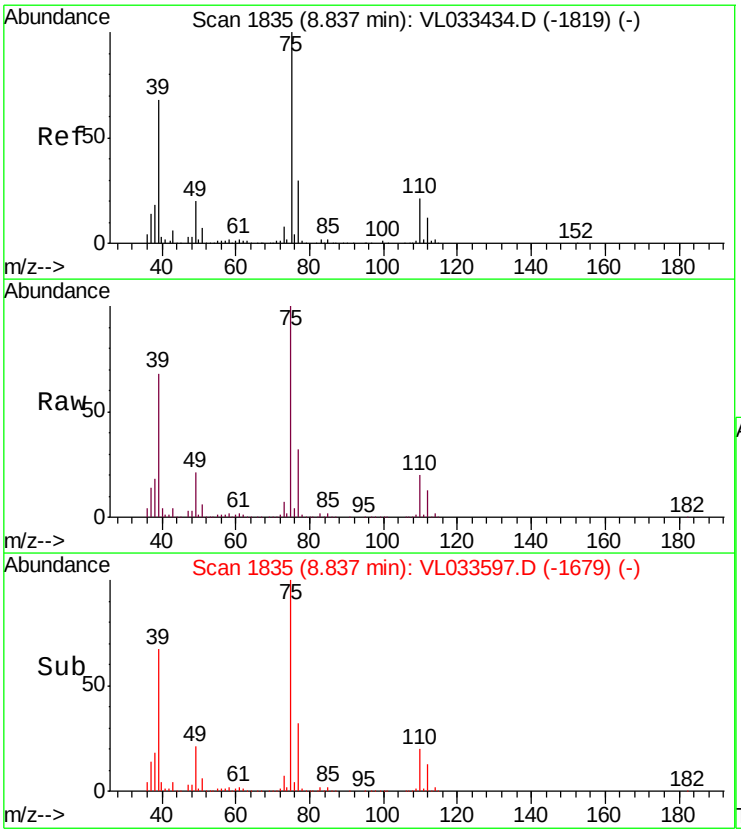
#45
t-1,3-Dichloropropene
Concen: 10.181 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 854077

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7

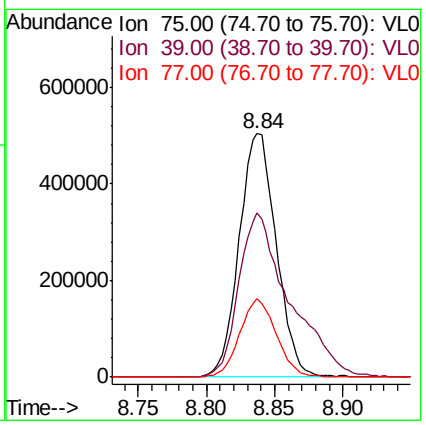


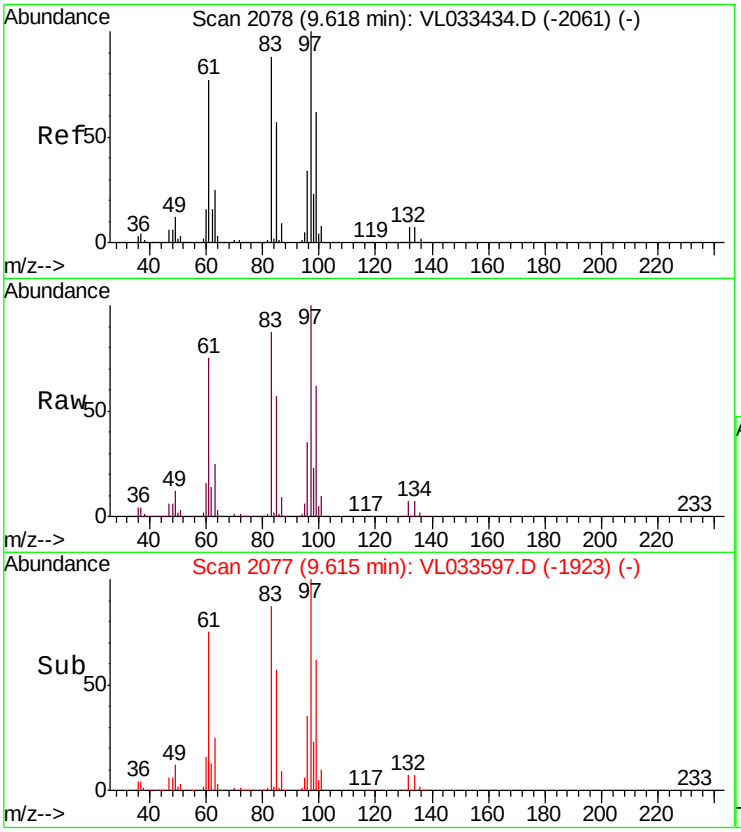


#46
cis-1,3-Dichloropropene
Concen: 9.735 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 75 Resp: 953692

Ion	Ratio	Lower	Upper
75	100		
39	67.4	54.1	81.1
77	32.5	23.9	35.9



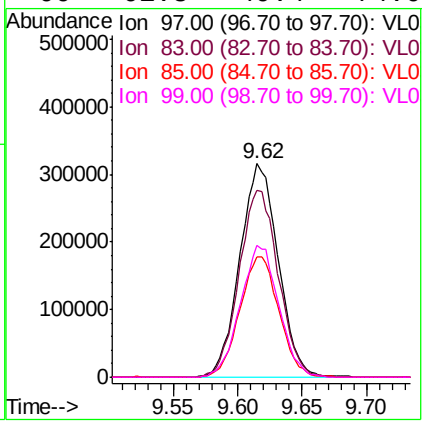


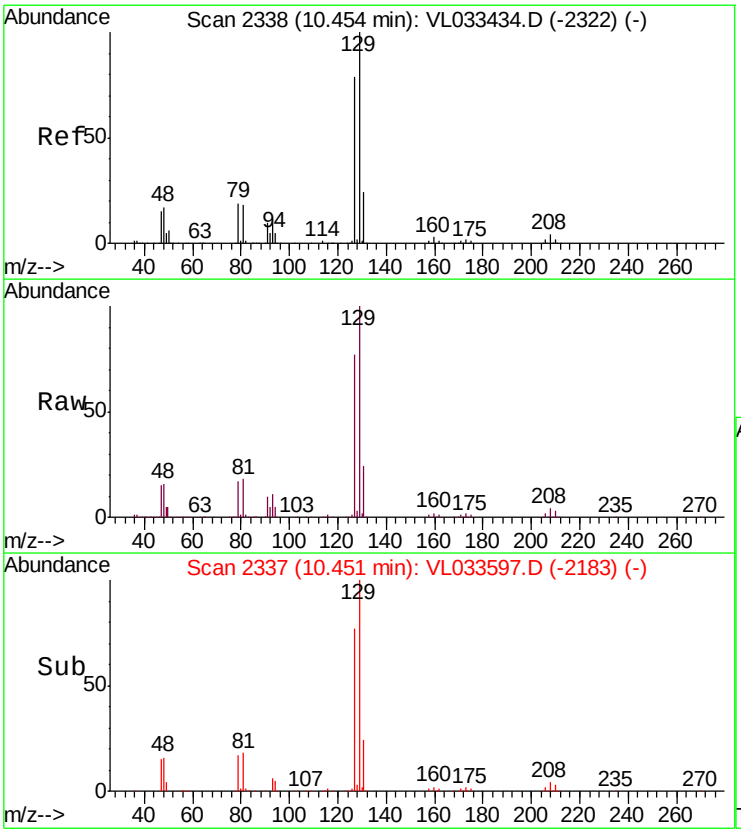
#47
1,1,2-Trichloroethane
Concen: 8.748 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 654756

Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.5	105.7
85	56.4	45.6	68.4
99	61.8	49.4	74.0

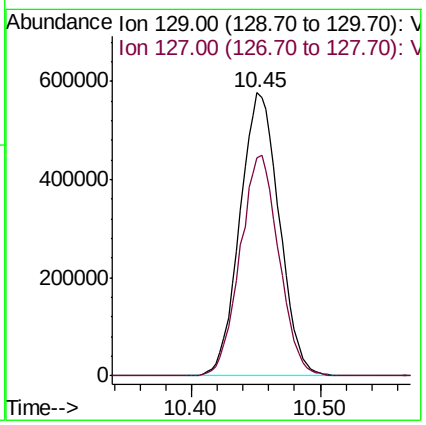


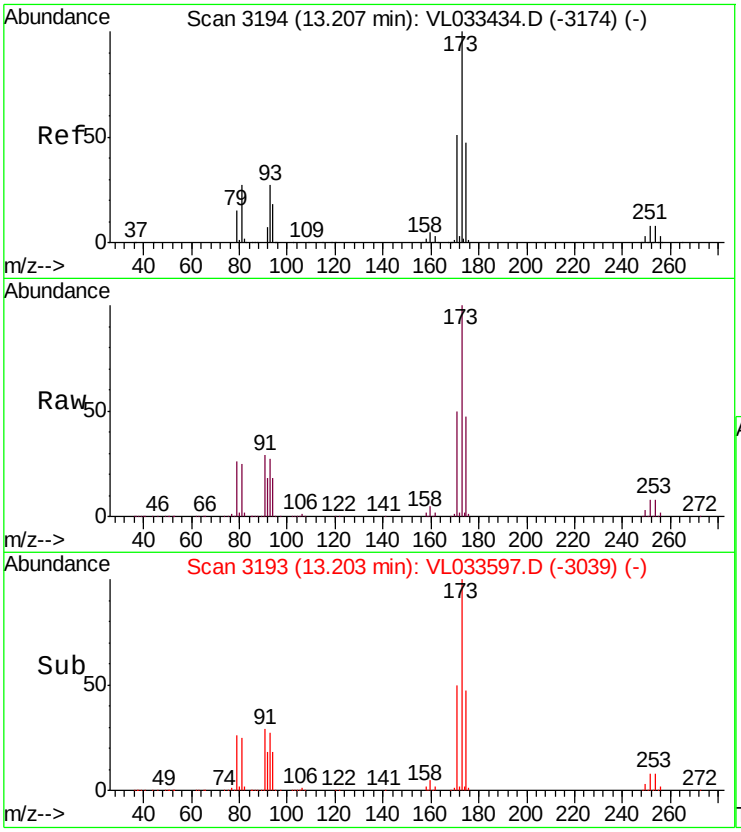


#48
Dibromochloromethane
Concen: 9.711 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:129 Resp: 1226077

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2



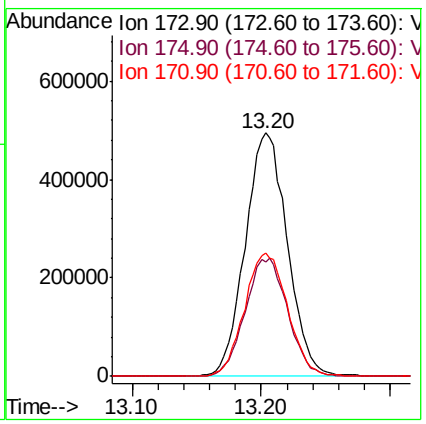


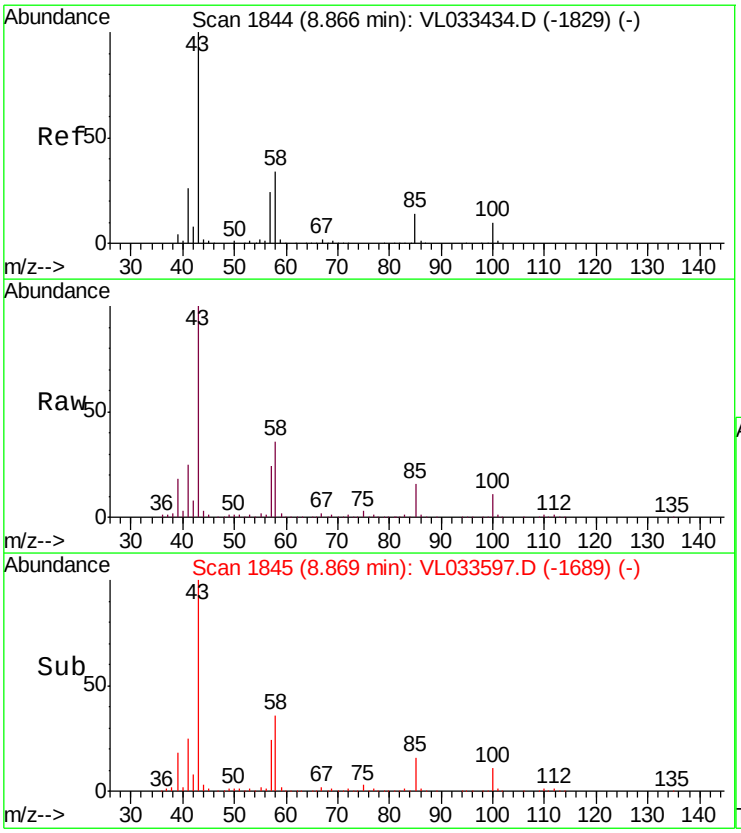
#49
Bromoform
Concen: 9.314 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1123397

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.3	58.9
171	52.1	41.2	61.8

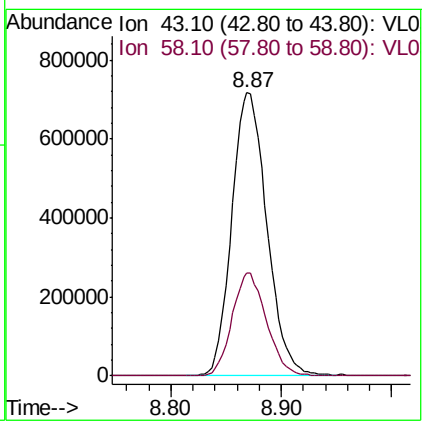


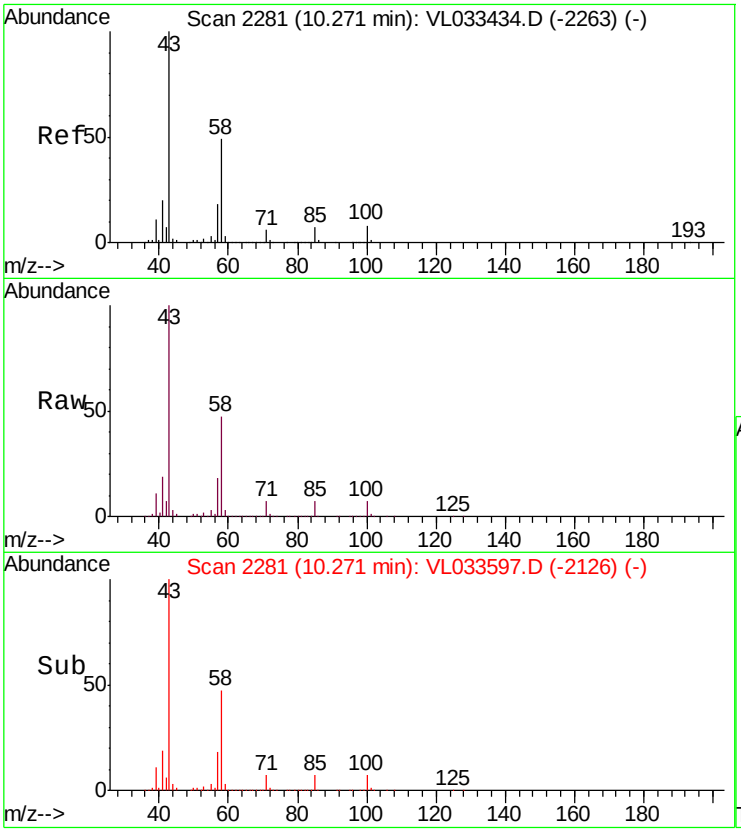


#50
4-Methyl-2-Pentanone
Concen: 8.959 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 1580672

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.0	42.0



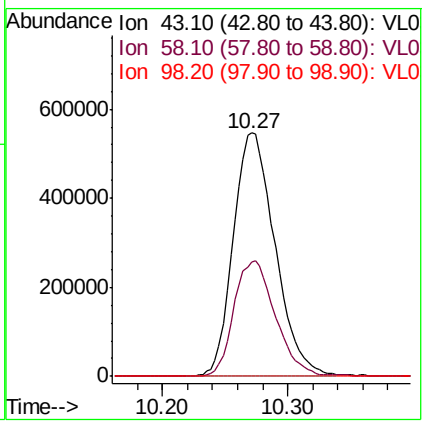


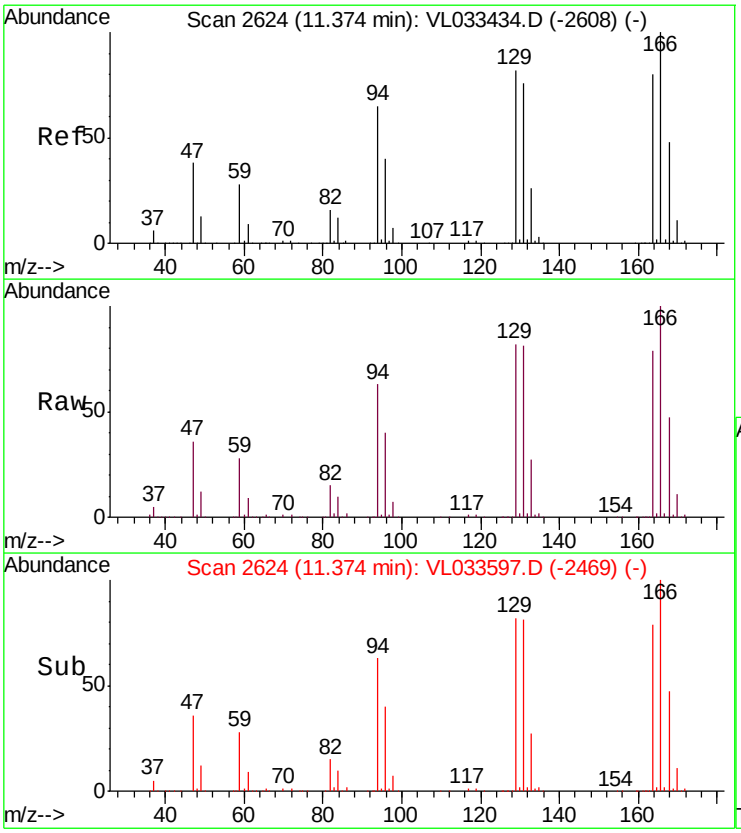
#51
2-Hexanone
Concen: 9.619 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1265941

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.2
98	0.3	0.2	0.2#

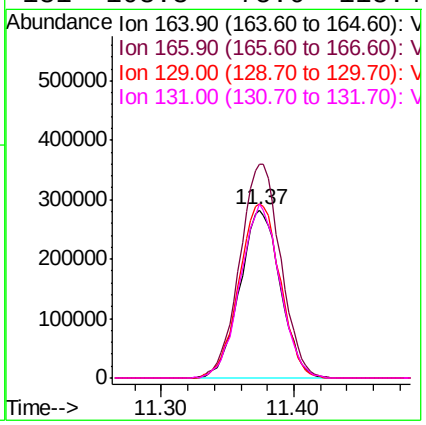


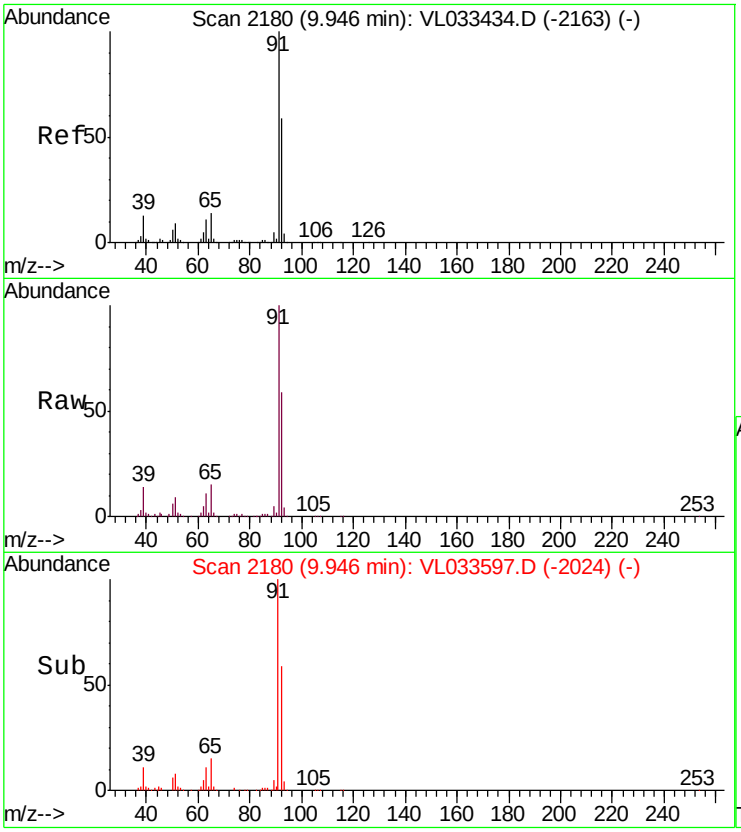


#52
Tetrachloroethene
Concen: 9.429 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:164 Resp: 598610

Ion	Ratio	Lower	Upper
164	100		
166	127.1	99.5	149.3
129	103.9	81.4	122.2
131	103.3	75.6	113.4



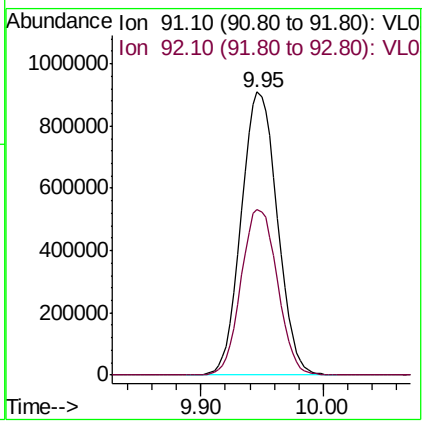


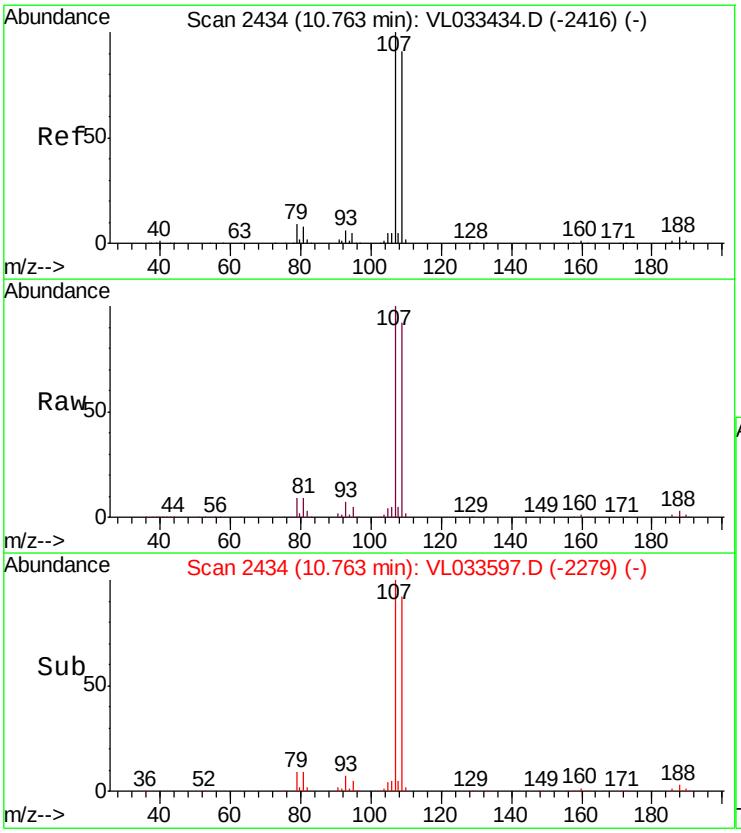
#53
Toluene
Concen: 9.473 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 1852303

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0

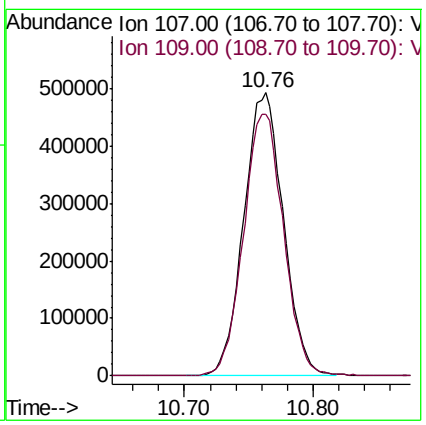


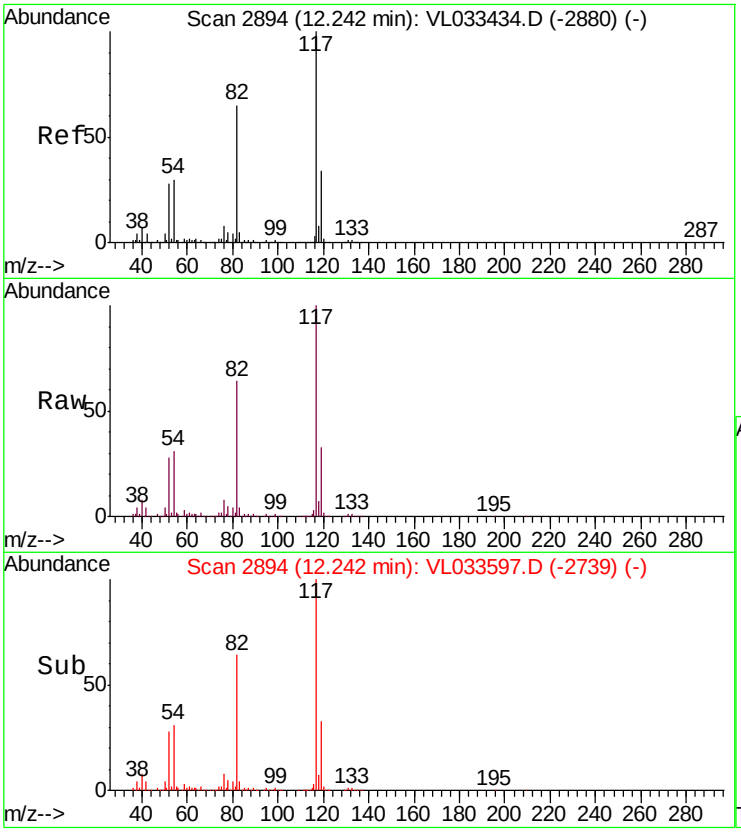


#54
1,2-Dibromoethane
Concen: 8.993 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:107 Resp: 1052832

Ion	Ratio	Lower	Upper
107	100		
109	92.4	72.7	109.1



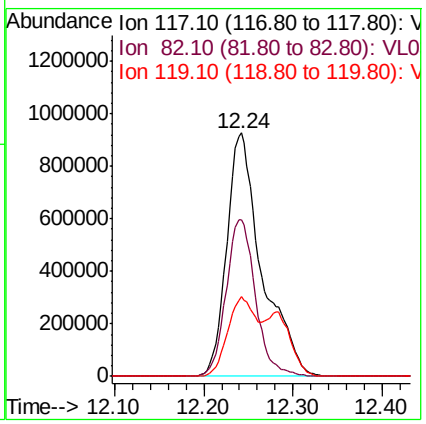


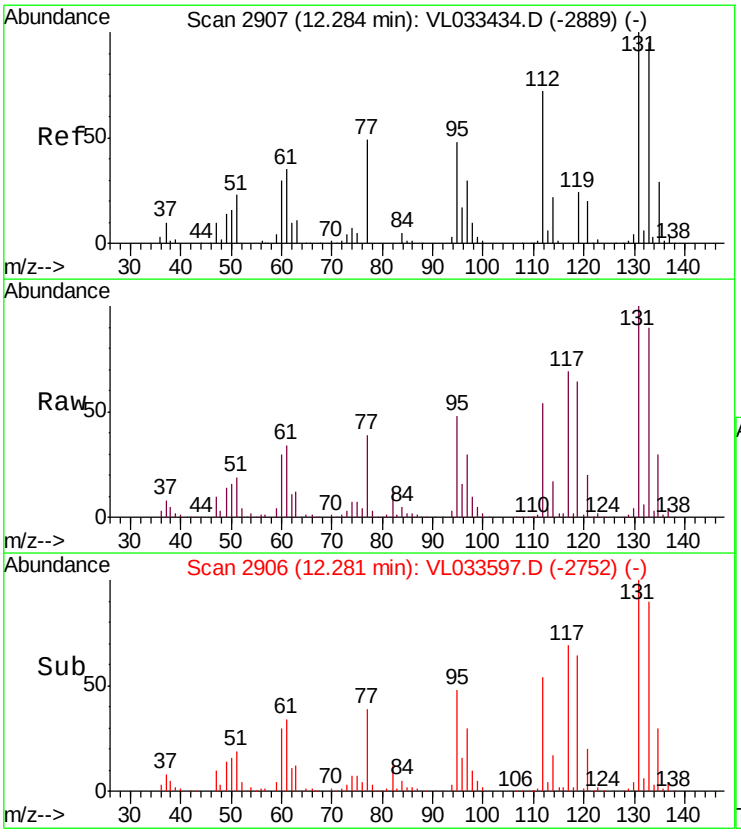
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2524465

Ion	Ratio	Lower	Upper
117	100		
82	54.0	51.5	77.3
119	46.0	25.5	38.3#

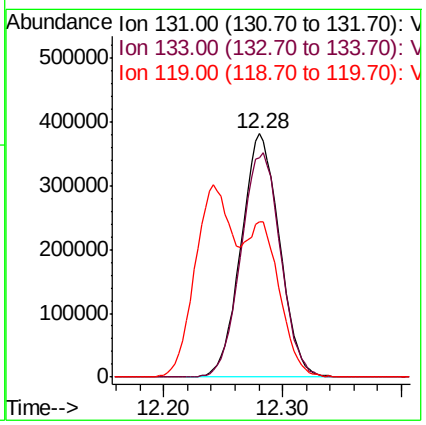


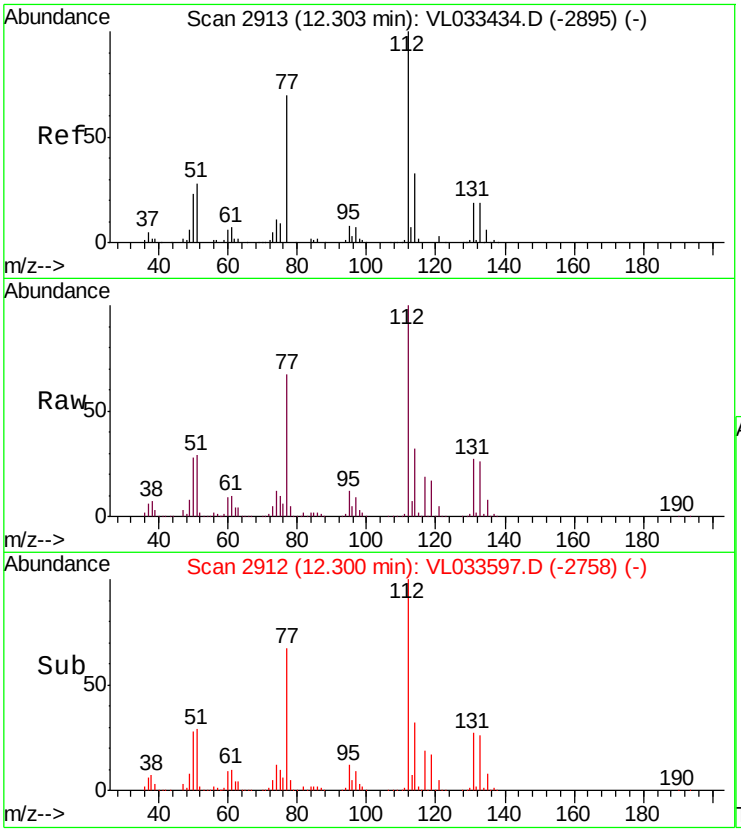


#56
1,1,1,2-Tetrachloroethane
Concen: 7.363 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:131 Resp: 851911

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.4
119	136.8	45.0	67.6#



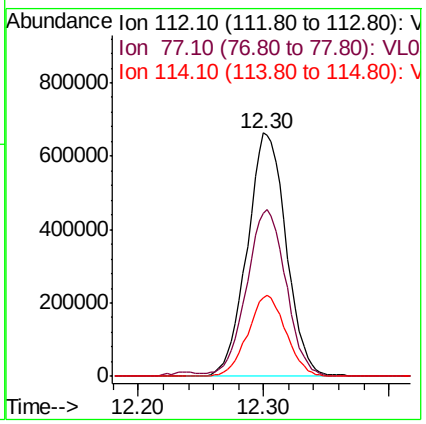


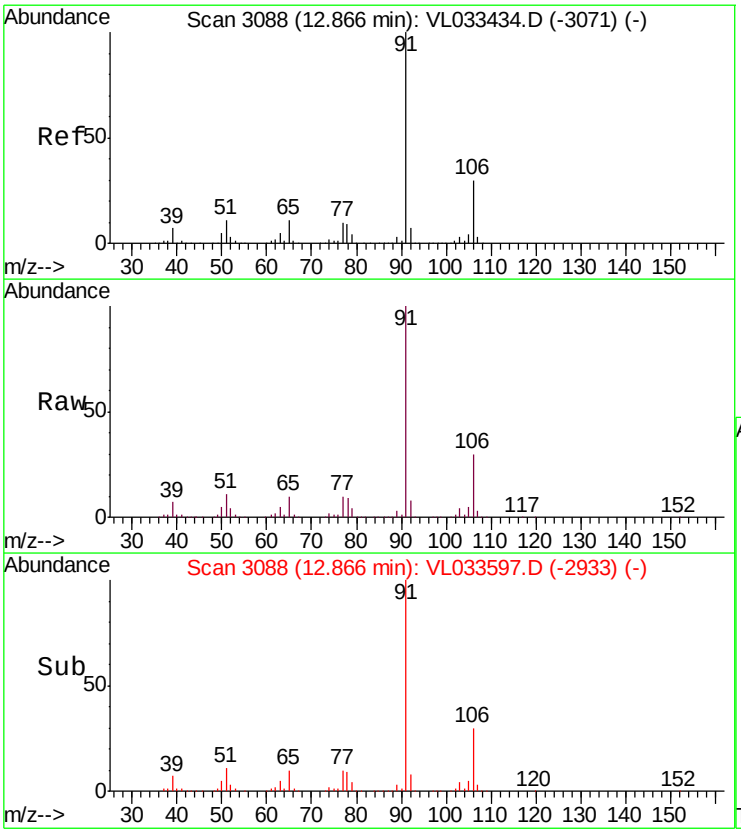
#57
Chlorobenzene
Concen: 7.291 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 1429169

Ion	Ratio	Lower	Upper
112	100		
77	66.4	57.3	85.9
114	32.0	29.8	36.4

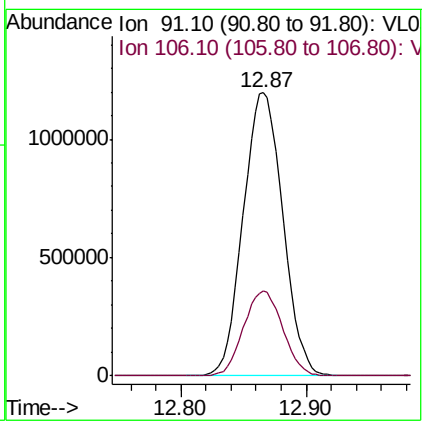


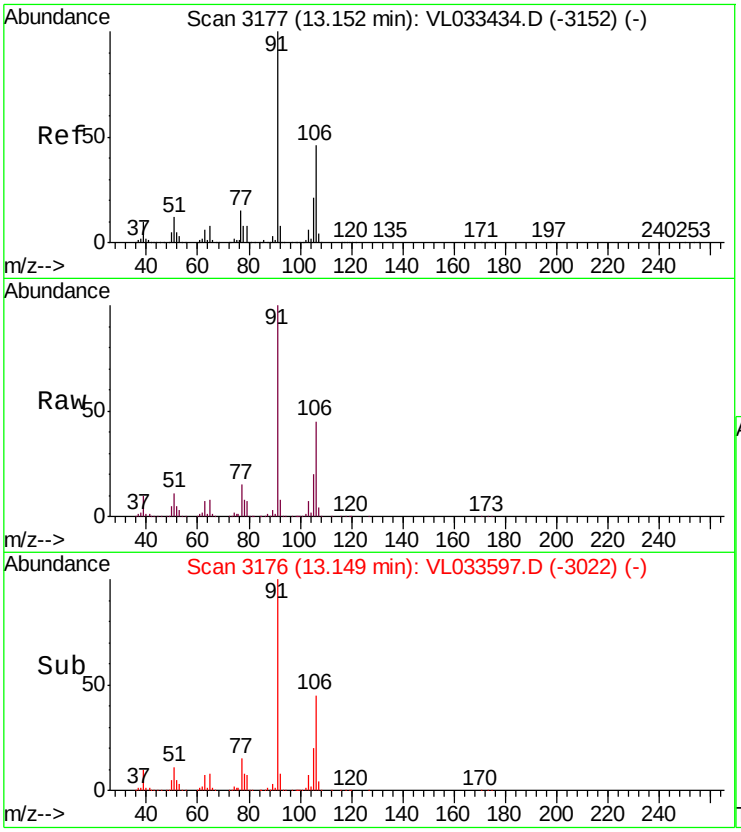


#58
Ethyl Benzene
Concen: 7.812 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 2633679

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6



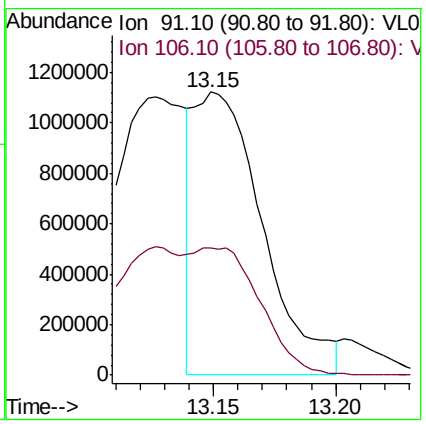


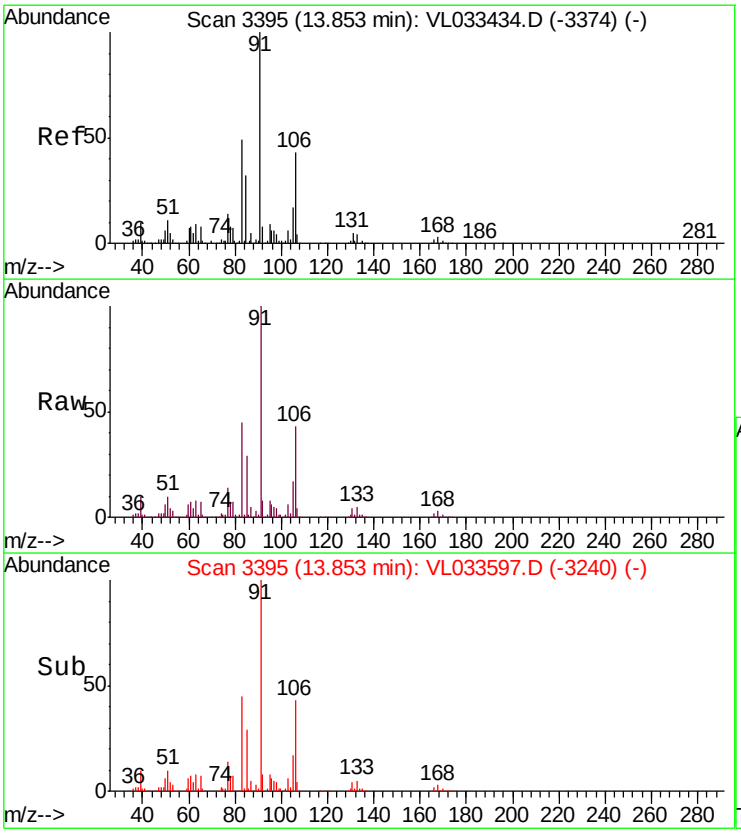
#59
m/p-Xylene
Concen: 7.249 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2182883

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

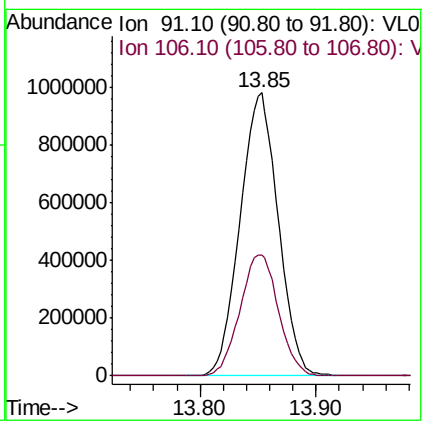


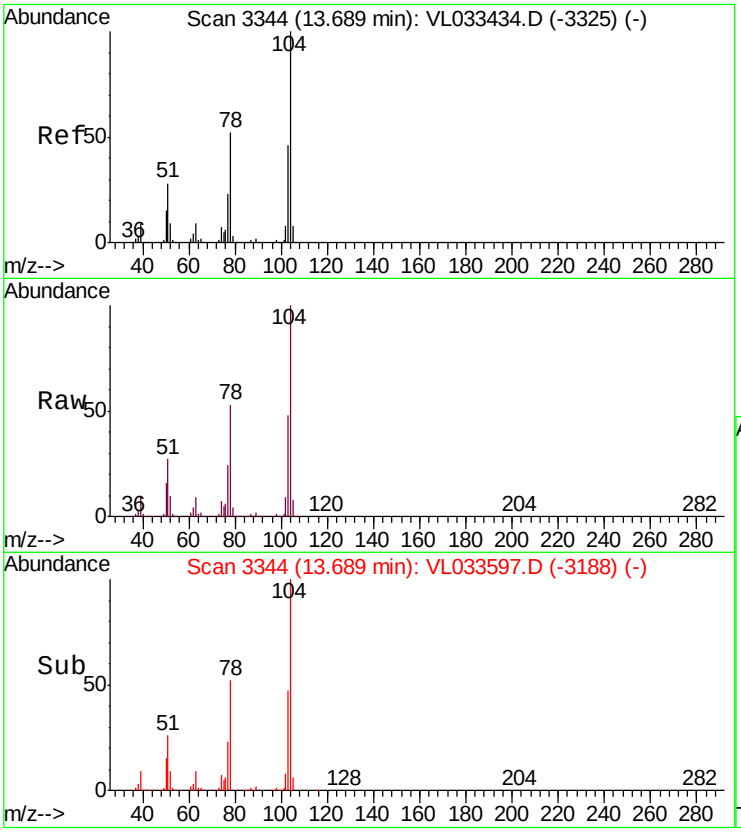


#60
o-Xylene
Concen: 7.686 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 2238132

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.4	64.3



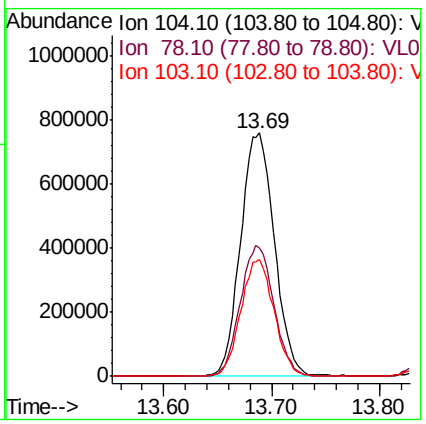


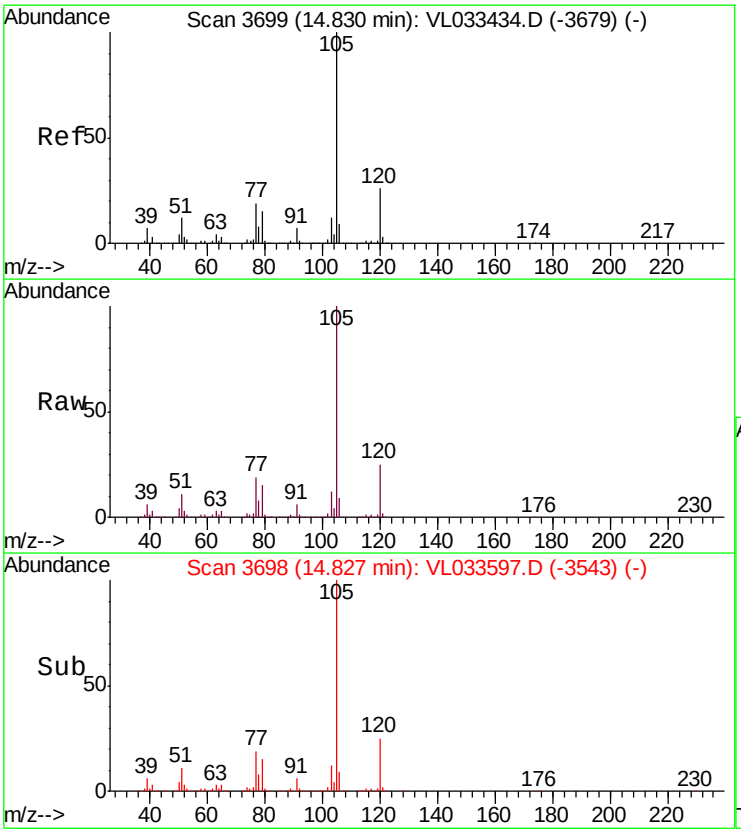
#61
Styrene
Concen: 8.301 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 1658969

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.2	64.8
103	47.2	37.8	56.8

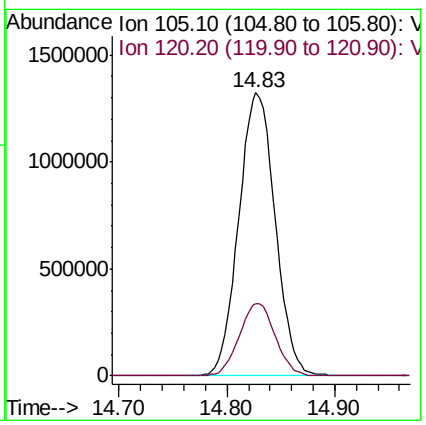


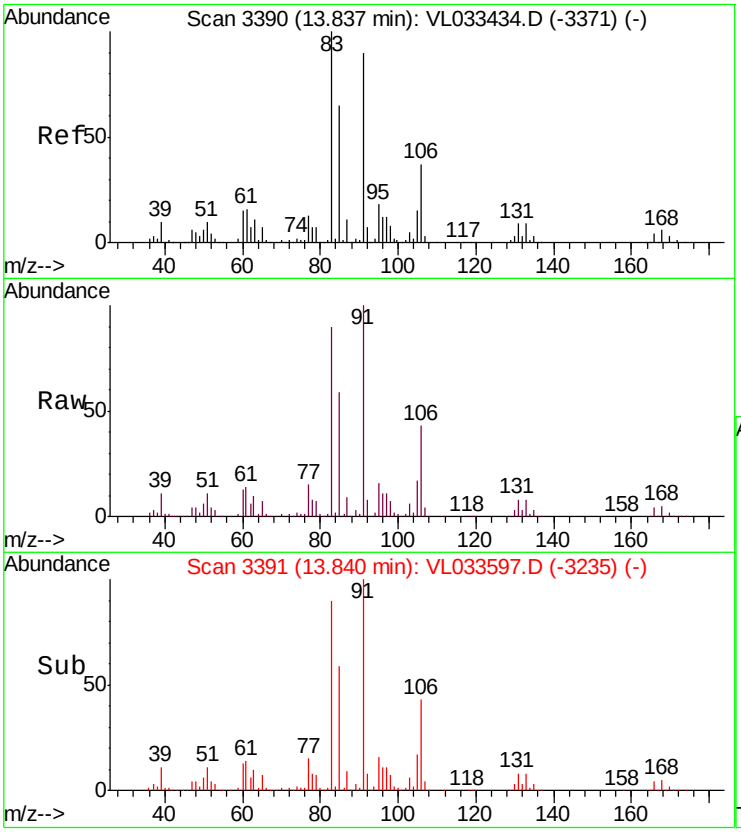


#62
Isopropylbenzene
Concen: 7.541 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:105 Resp: 3109306

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.2



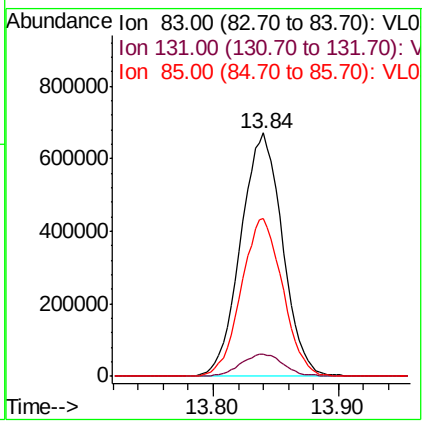


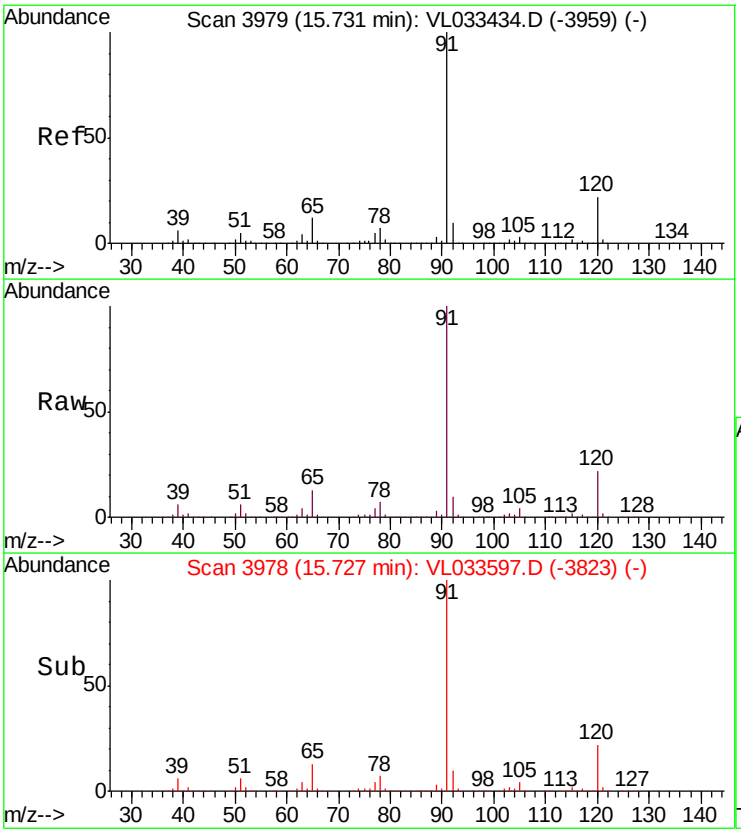
#63
1,1,2,2-Tetrachloroethane
Concen: 7.225 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1549123

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	64.8	32.7	98.1

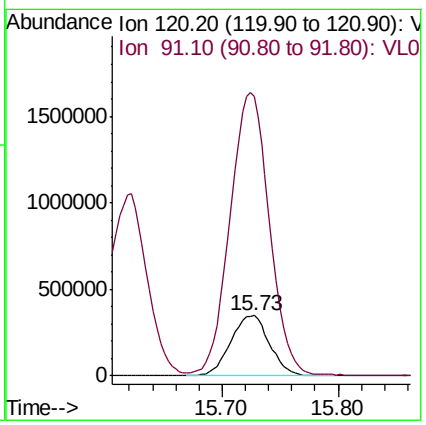


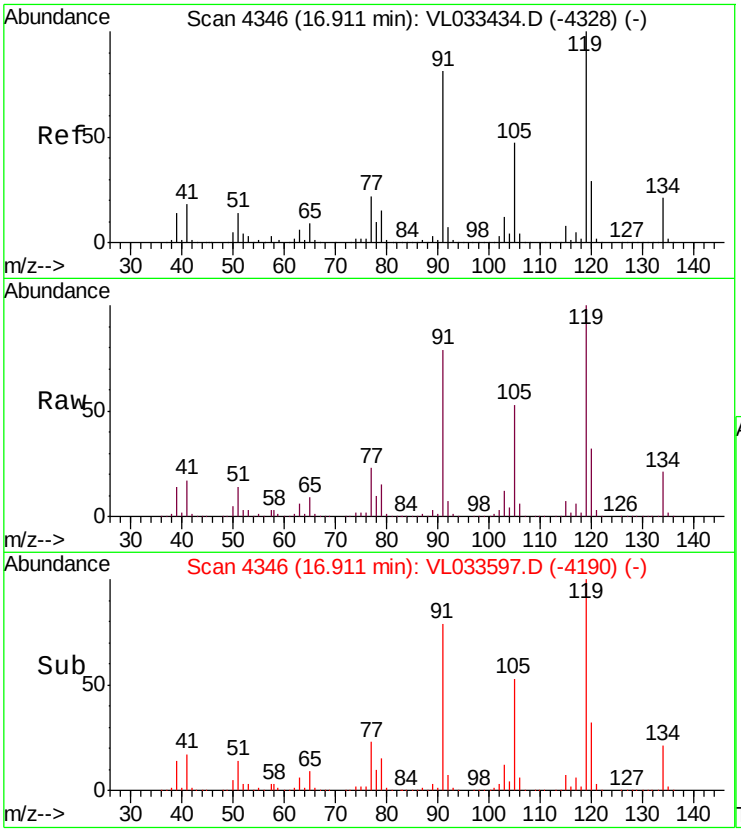


#64
n-propylbenzene
Concen: 7.731 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:120 Resp: 808939

Ion	Ratio	Lower	Upper
120	100		
91	478.9	387.4	581.2



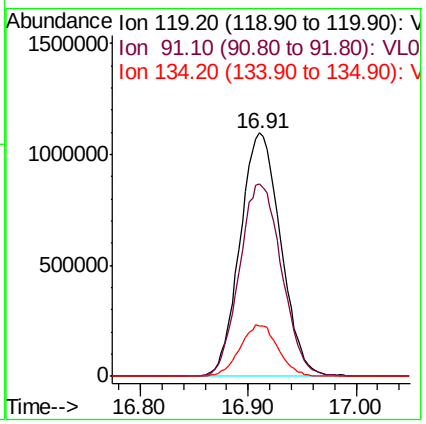


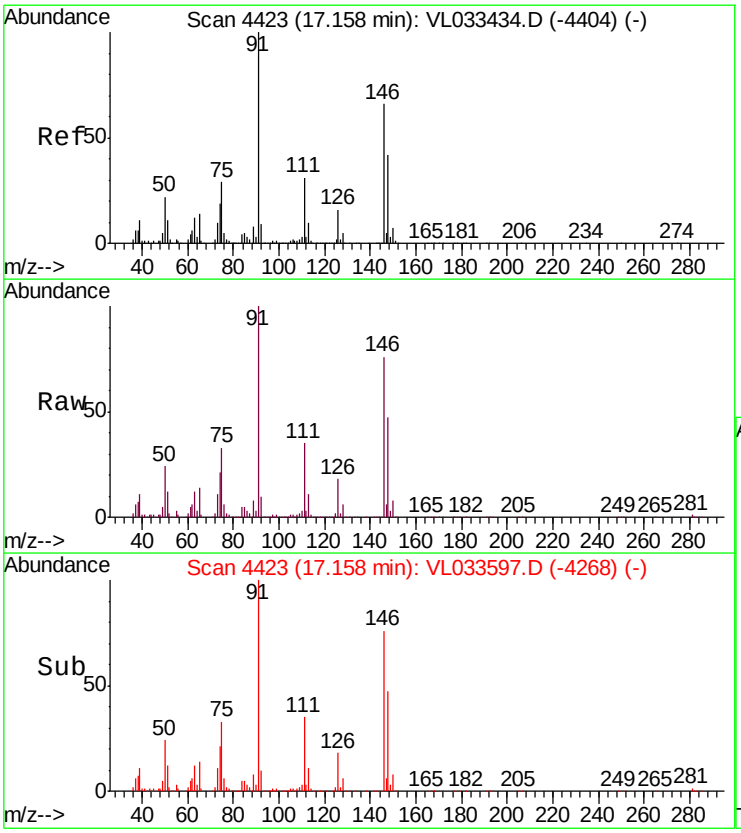
#65
tert-Butylbenzene
Concen: 7.904 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2871850

Ion	Ratio	Lower	Upper
119	100		
91	82.2	66.4	99.6
134	19.9	15.5	23.3

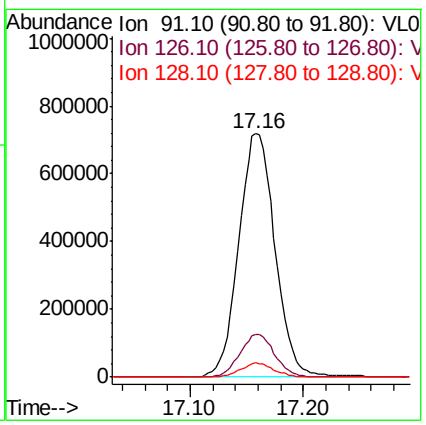


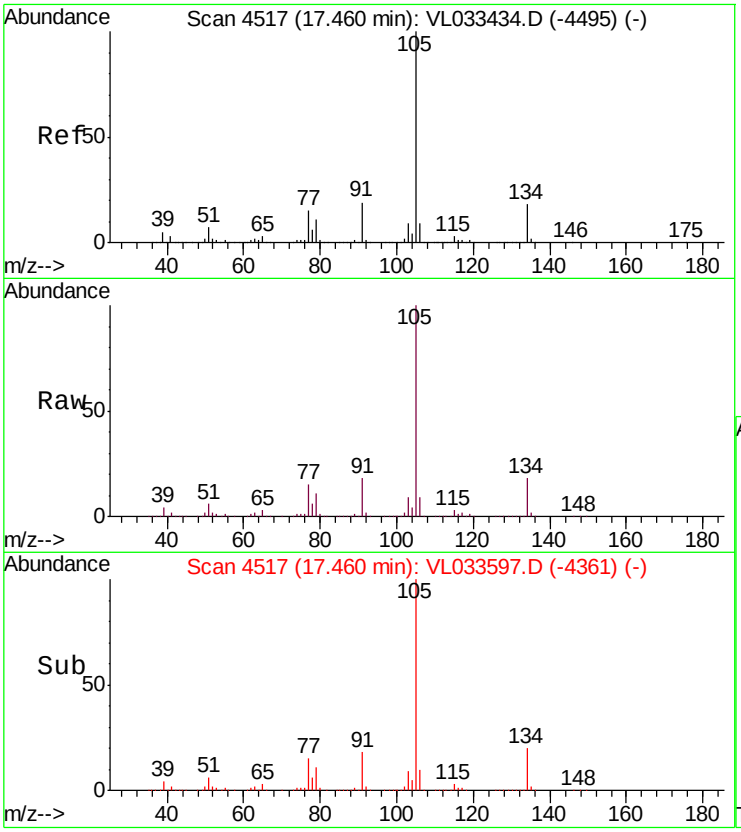


#66
Benzyl Chloride
Concen: 9.462 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 1598730

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.0	19.6
128	5.5	4.2	6.2



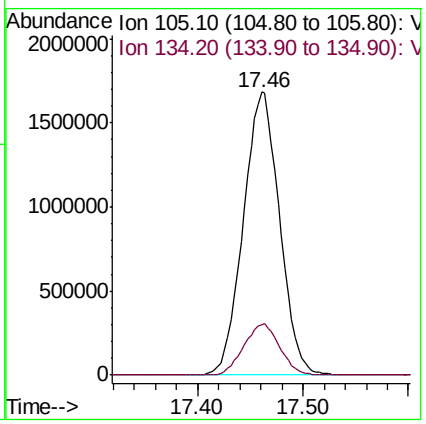


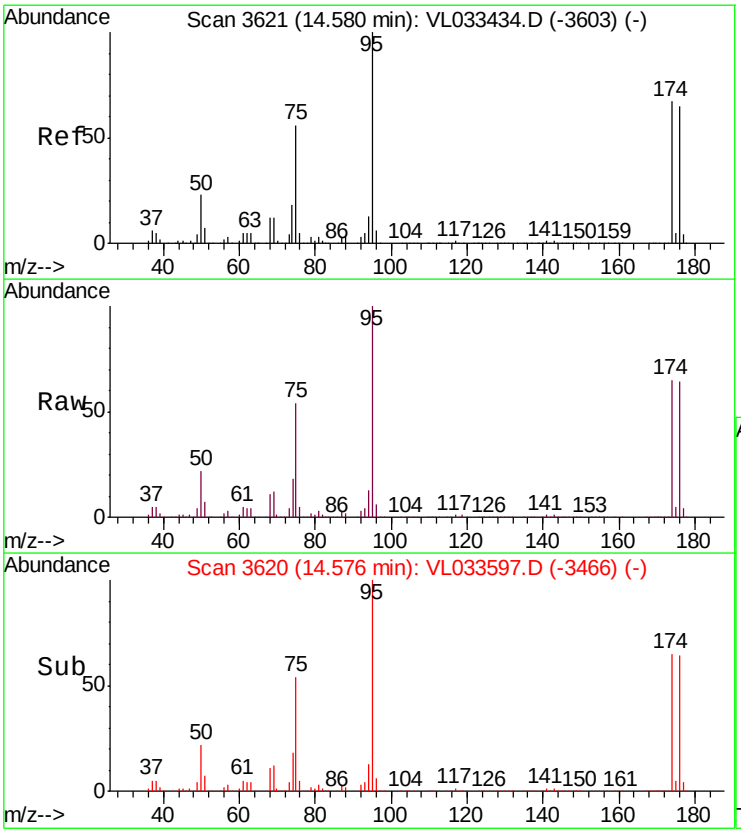
#67
sec-Butylbenzene
Concen: 7.773 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4016531

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8

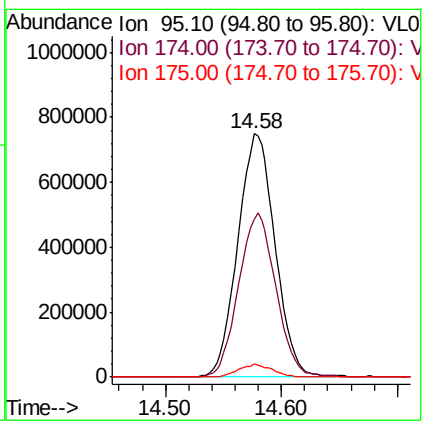


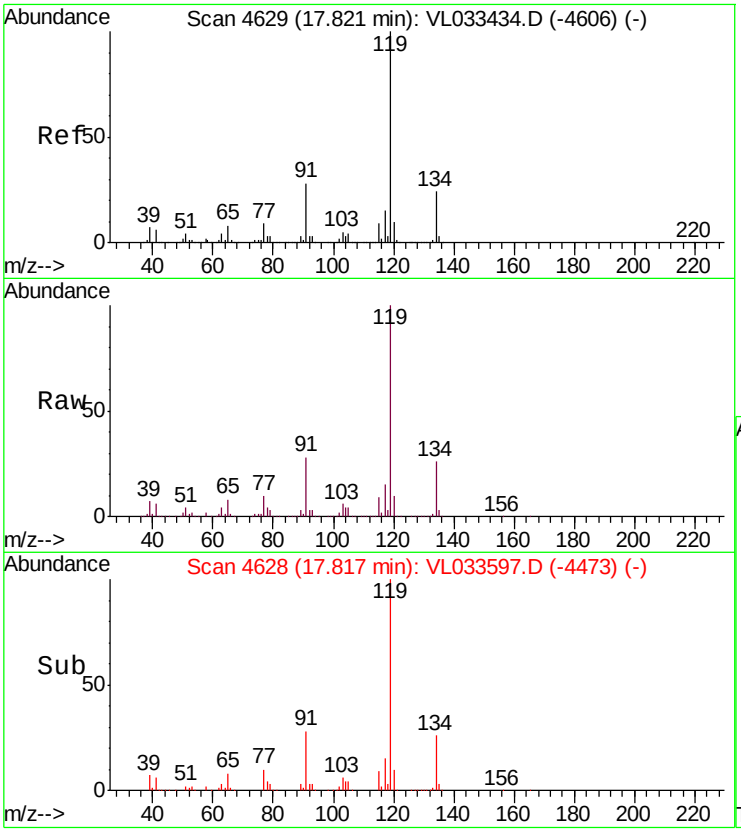


#68
1-Bromo-4-Fluorobenzene
Concen: 8.462 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 95 Resp: 1674636

Ion	Ratio	Lower	Upper
95	100		
174	67.6	52.9	79.3
175	4.9	3.8	5.6



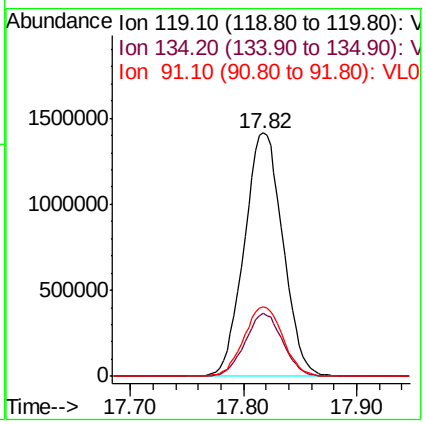


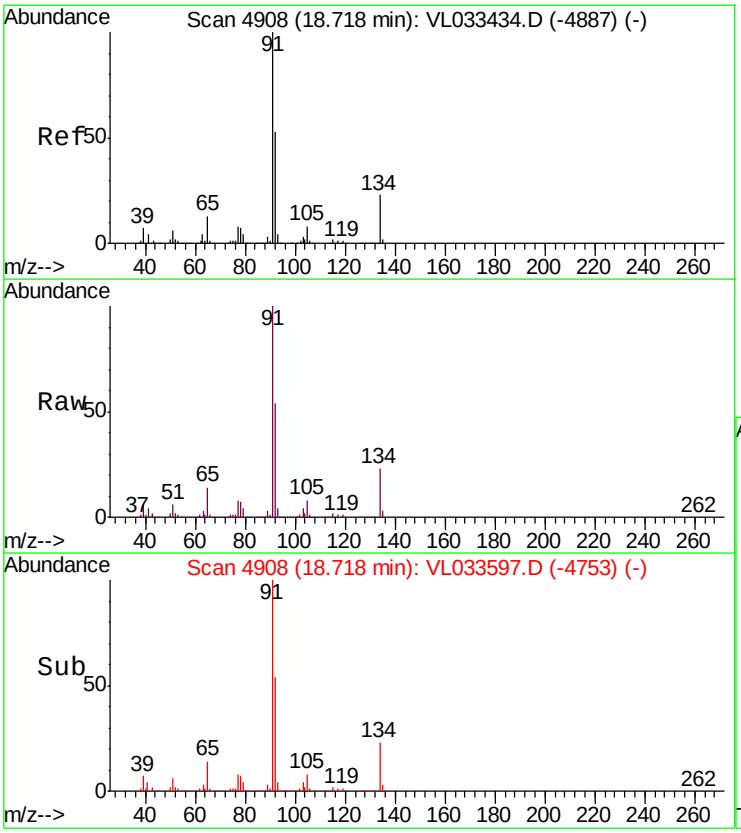
#69
p-Isopropyltoluene
Concen: 7.968 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3352301

Ion	Ratio	Lower	Upper
119	100		
134	25.2	19.9	29.9
91	29.0	23.4	35.0

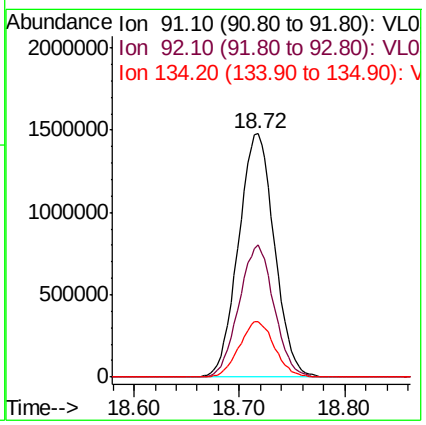


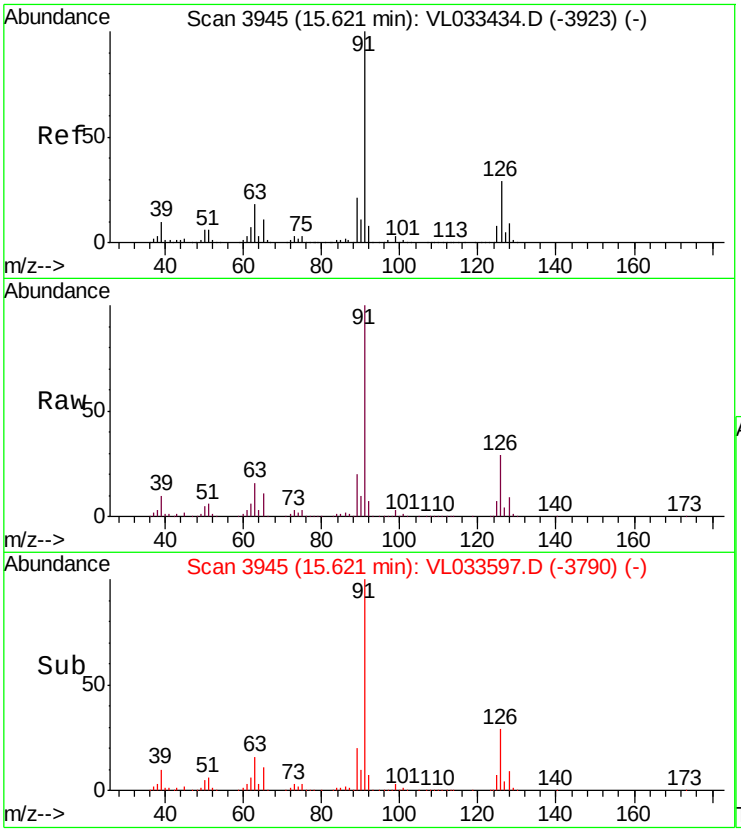


#70
n-Butylbenzene
Concen: 7.859 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 3503574

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.6	64.0
134	22.3	17.5	26.3



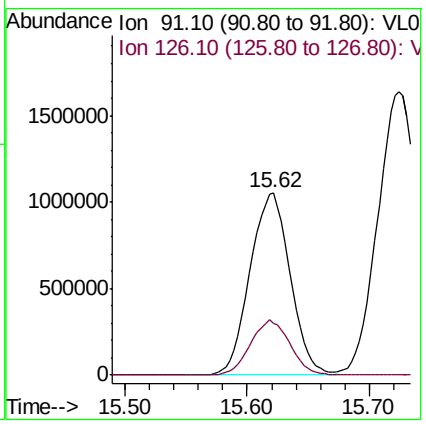


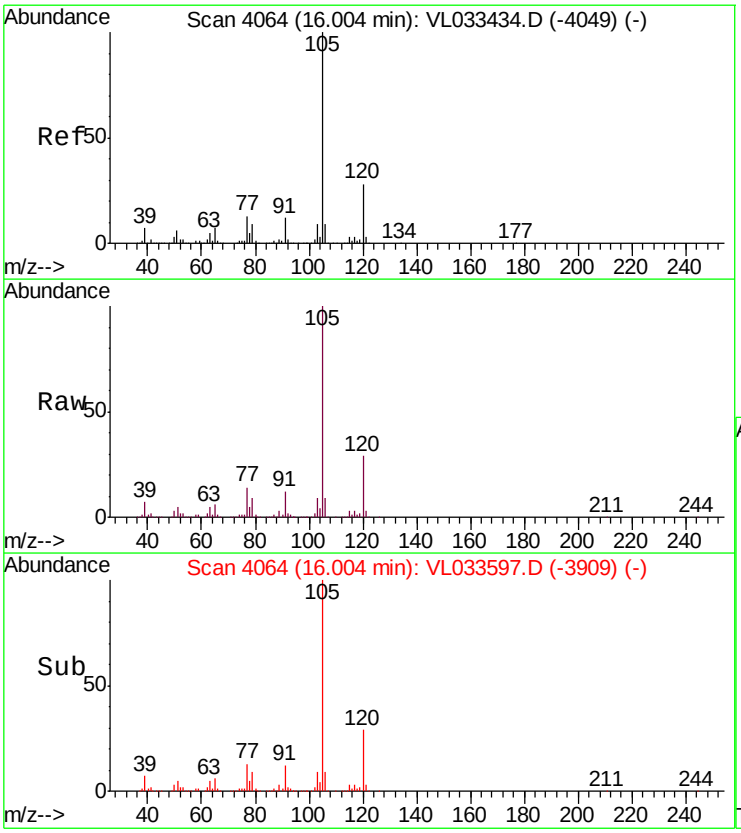
#71
2-Chlorotoluene
Concen: 7.670 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2404755

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.7	46.9

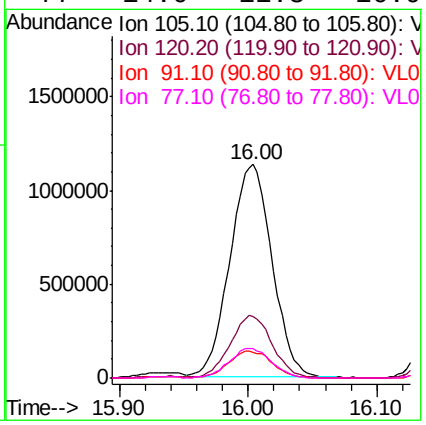


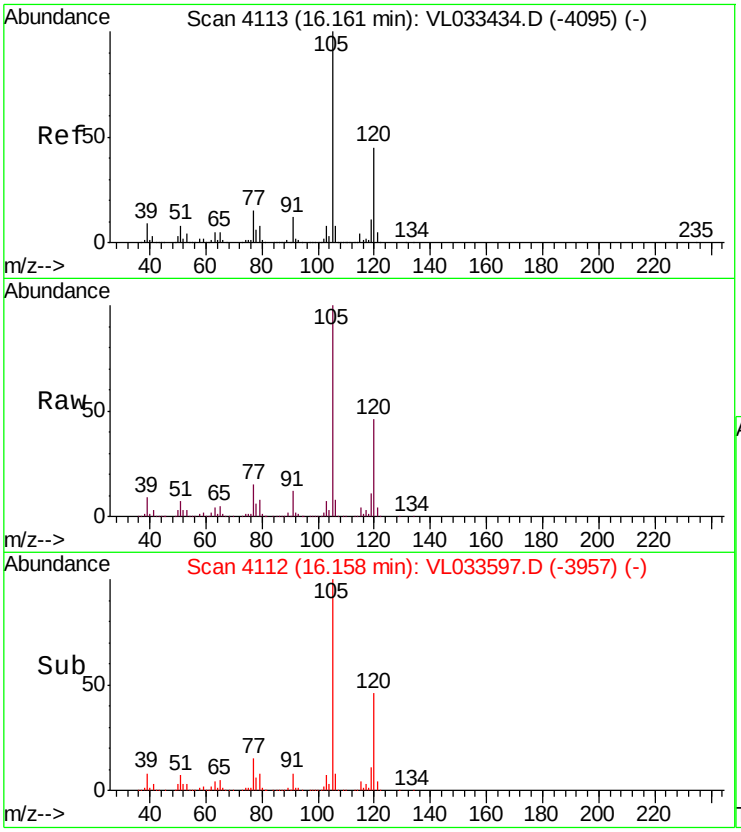


#72
4-Ethyltoluene
Concen: 7.884 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:105 Resp: 2580441

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.2	34.8
91	12.9	10.4	15.6
77	14.0	11.3	16.9



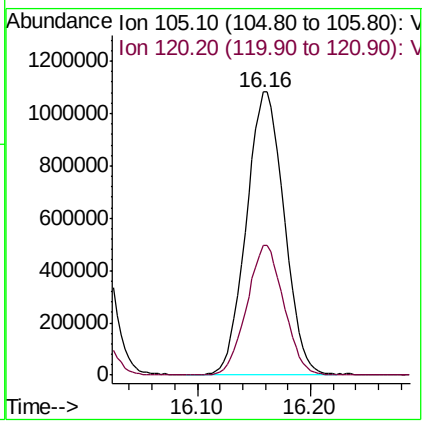


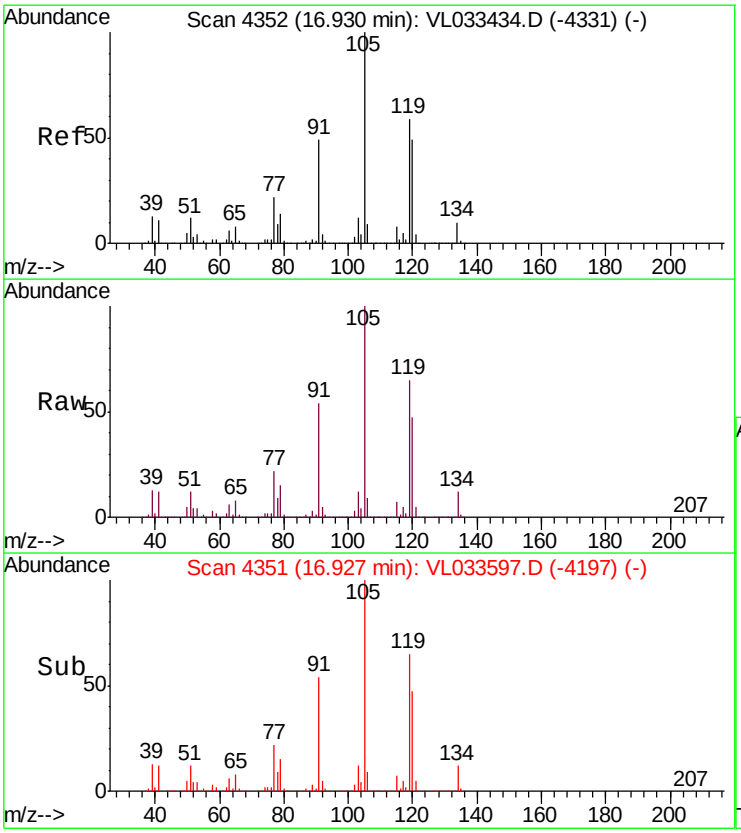
#73
1,3,5-Trimethylbenzene
Concen: 8.004 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2506993

Ion	Ratio	Lower	Upper
105	100		
120	45.8	35.7	53.5

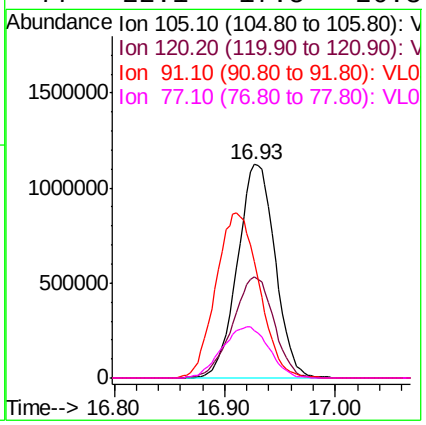


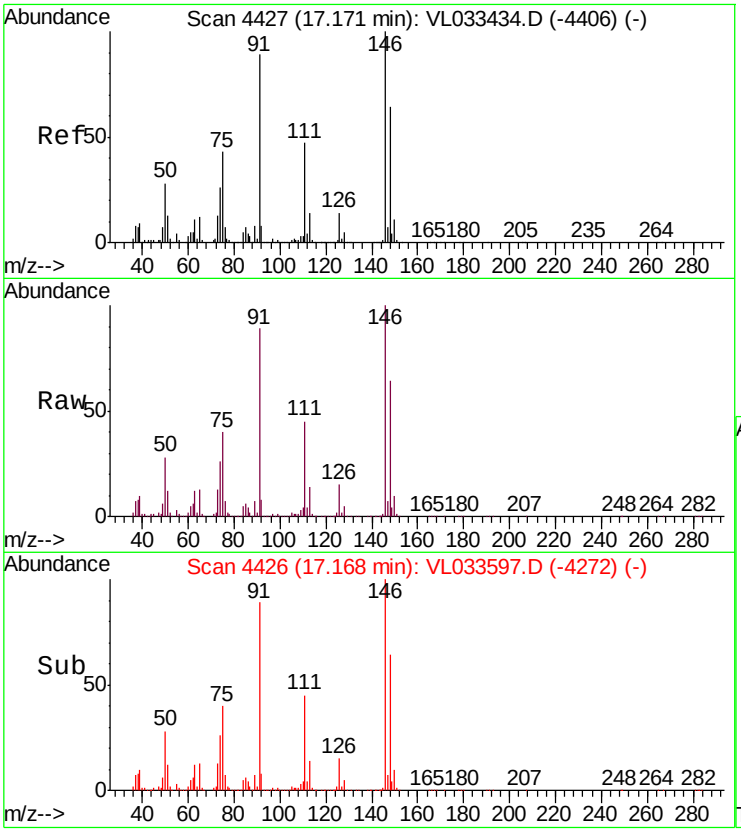


#74
1,2,4-Trimethylbenzene
Concen: 7.897 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:105 Resp: 2651177

Ion	Ratio	Lower	Upper
105	100		
120	47.1	39.0	58.6
91	54.2	40.0	60.0
77	22.1	17.5	26.3



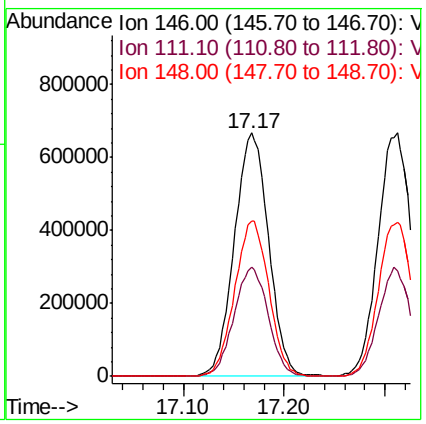


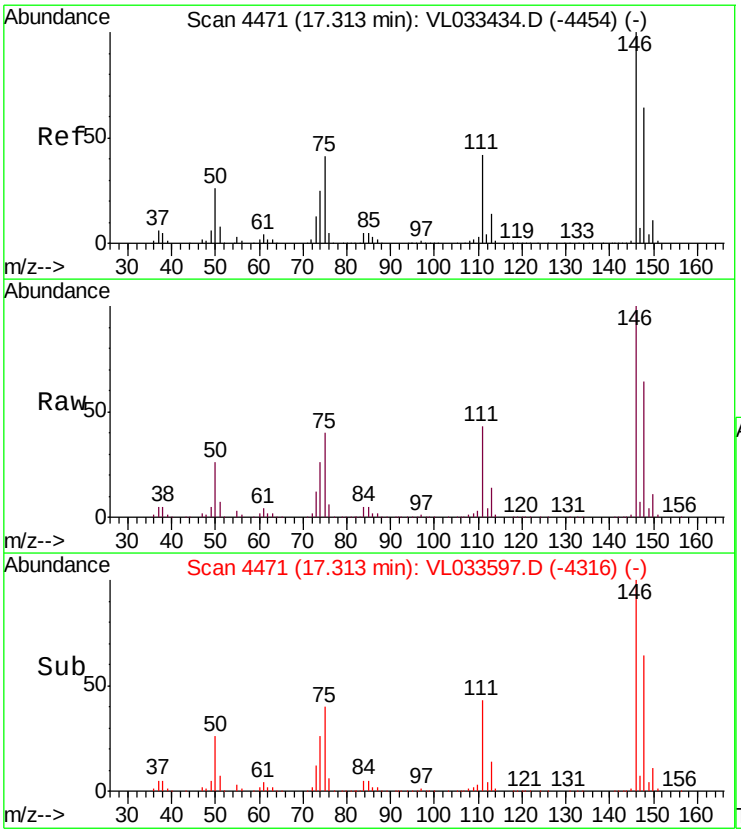
#75
1,3-Dichlorobenzene
Concen: 7.577 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1572207

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.8
148	63.7	32.0	96.2

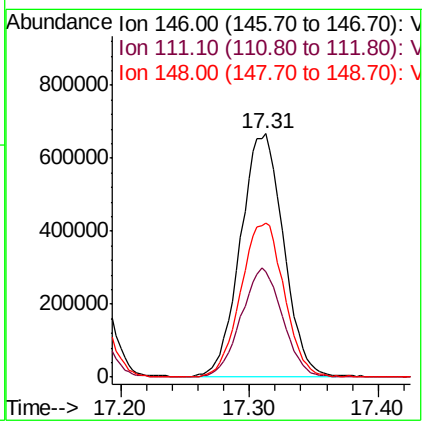


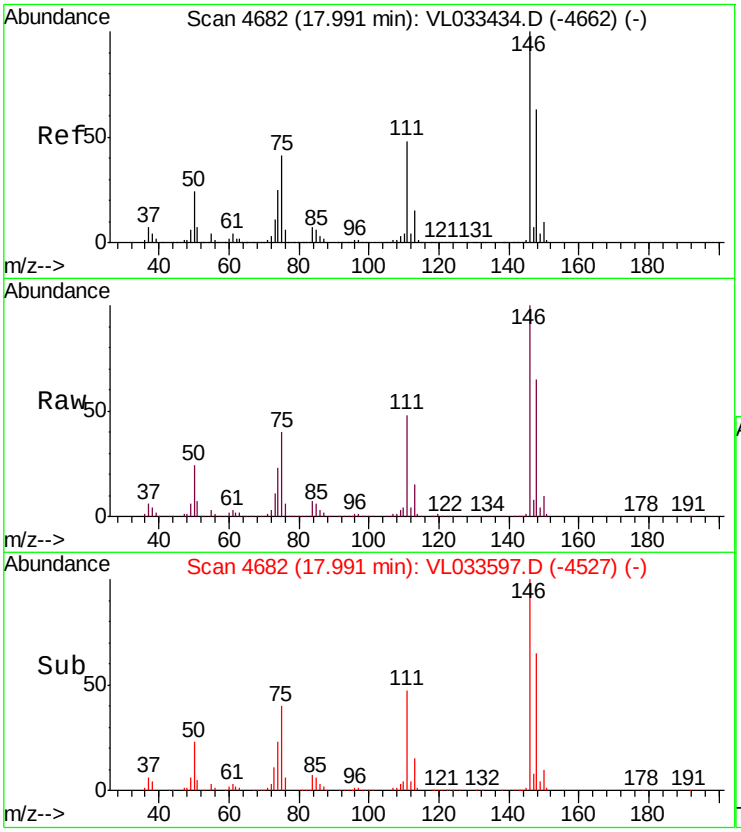


#76
1,4-Dichlorobenzene
Concen: 7.659 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:146 Resp: 1548435

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	64.5	32.0	96.2



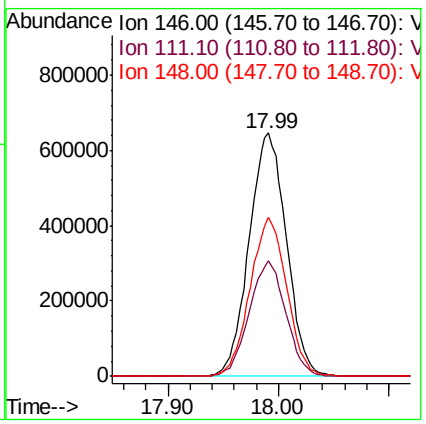


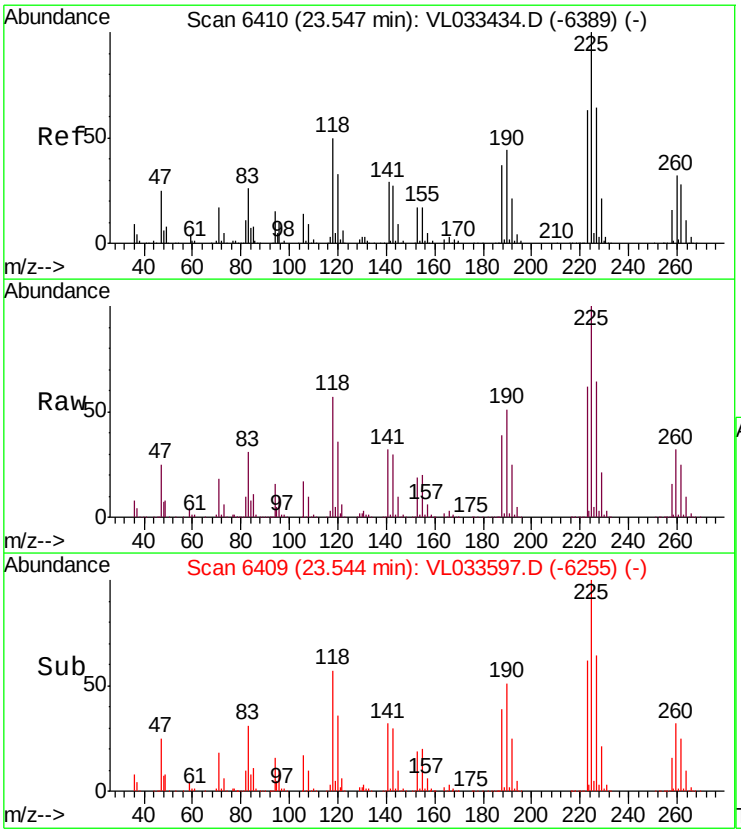
#77
1,2-Dichlorobenzene
Concen: 7.681 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1512145

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	64.2	32.0	96.0

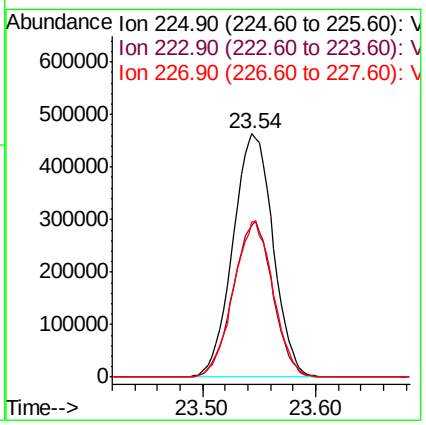


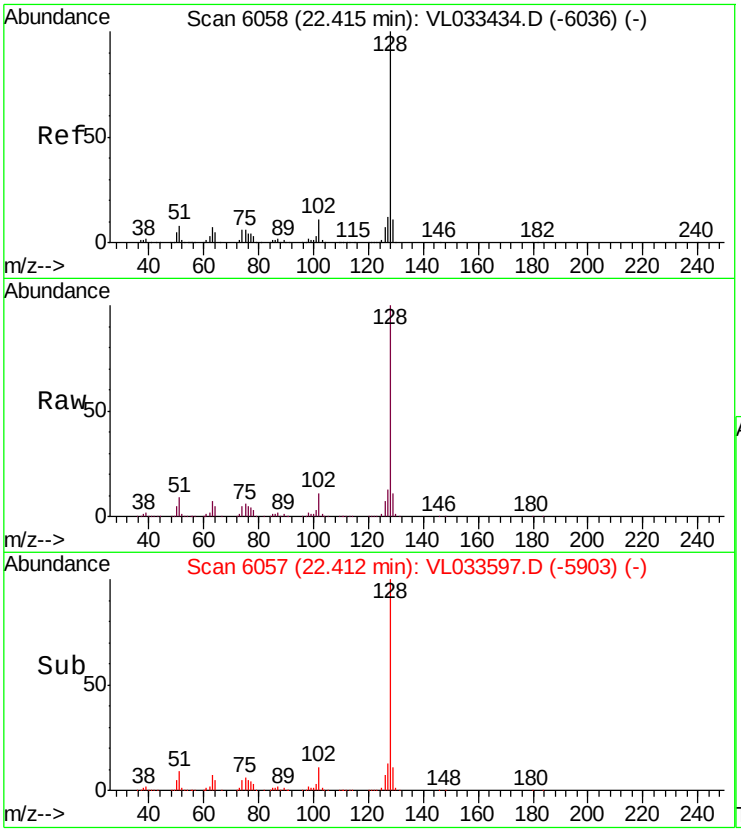


#78
Hexachloro-1,3-Butadiene
Concen: 8.775 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:225 Resp: 1143656

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.0	75.0
227	63.2	51.1	76.7



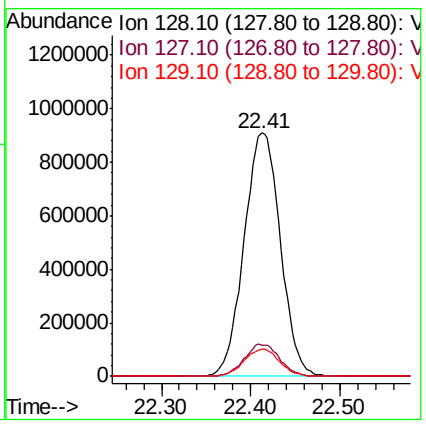


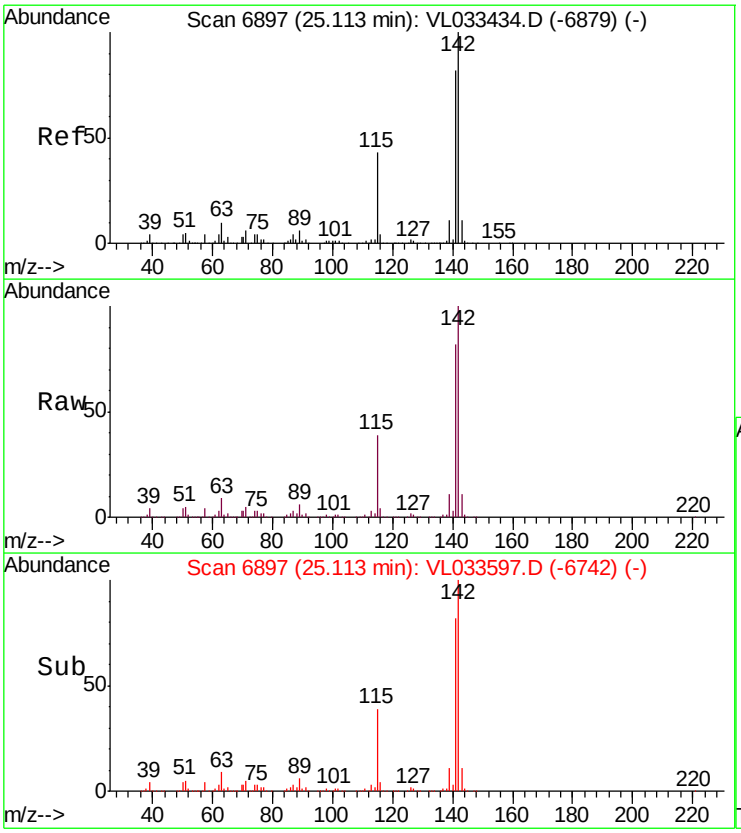
#79
Naphthalene
Concen: 8.929 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2566079

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.3	8.6	12.8

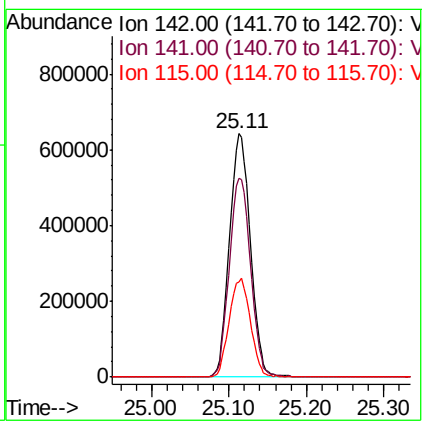


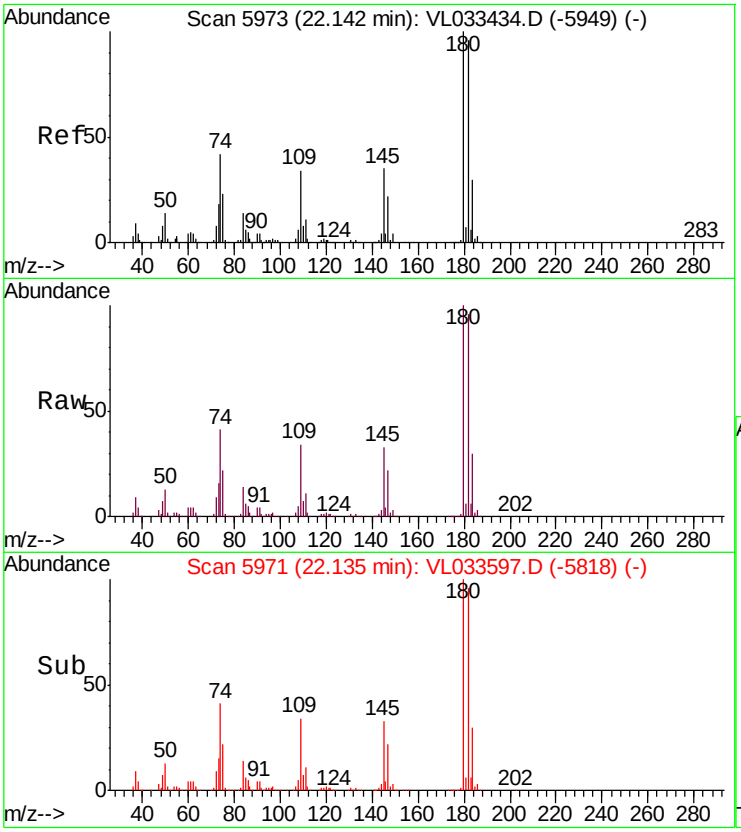


#80
Naphthalene,2-methyl-
Concen: 12.331 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:142 Resp: 1189272

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.6	99.8
115	41.2	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 8.457 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1348088

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.4
184	30.3	24.6	36.8