Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\
Data File : VL033601.D
Acq On : 17 Apr 2019 14:20
Operator : SY/AP
Sample : VL0417ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Quant Time: Apr 18 05:56:06 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	851735	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2137910	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2300845m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1750587	9.71	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1016766	8.185	ppbv		99
3) Chlorodifluoromethane	3.01	51	895518	9.133	ppbv		99
4) Chloromethane	3.17	50	483992	9.327	ppbv		99
5) Vinyl Chloride	3.29	62	479651	9.408	ppbv		96
6) Bromomethane	3.52	94	307732	9.392	ppbv		95
7) Chloroethane	3.60	64	181185	9.549	ppbv		96
8) Dichlorotetrafluoroethane	3.22	85	1208851	9.133	ppbv		98
9) Propene	3.04	41	383586	9.315	ppbv		99
10) Heptane	8.25	43	988497	8.980	ppbv		99
11) Trichlorofluoromethane	4.00	101	1384994	9.047	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	943285	9.173	ppbv		99
13) Ethanol	3.65	45	99688	9.355	ppbv		66
14) Bromoethene	3.79	108	389370	9.494	ppbv		99
15) Acetone	3.90	43	892886	8.719	ppbv		98
16) 1,3-Butadiene	3.36	39	394664	9.716	ppbv		90
17) tert-Butyl alcohol	4.35	59	165418	8.785	ppbv		99
18) 1,1-Dichloroethene	4.35	96	416081	9.420	ppbv		95
19) Isopropyl Alcohol	4.02	45	564980	8.722	ppbv	#	98
20) Methylene Chloride	4.41	84	373217	8.585	ppbv		94
21) Allyl Chloride	4.48	41	615726	9.511	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	436124	9.464	ppbv		97
23) Vinyl Acetate	5.16	43	1373908	9.425	ppbv		99
24) 1,1-Dichloroethane	5.09	63	982870	8.877	ppbv		98
25) Ethyl Acetate	5.77	43	1623212	8.543	ppbv		99
26) Hexane	5.78	57	733610	8.683	ppbv		98
27) Carbon Disulfide	4.62	76	1047264	10.424	ppbv		99
28) Methyl tert-Butyl Ether	5.11	73	1168908	9.606	ppbv		99
29) Chloroform	5.85	83	1258833	8.692	ppbv		98
30) Cyclohexane	7.25	84	645287	9.655	ppbv		100
31) cis-1,2-Dichloroethene	5.64	61	749452	8.922	ppbv		96
32) 1,1,1-Trichloroethane	6.62	97	1295679	9.395	ppbv		99
34) 2-Butanone	5.33	43	1072087	8.347	ppbv		99
35) Carbon Tetrachloride	7.13	117	1397897	9.232	ppbv		99
36) Benzene	7.00	78	1611404	8.983	ppbv		95
37) 1,2-Dichloroethane	6.41	62	973137	8.093	ppbv		99
38) Trichloroethene	7.96	130	637883	9.449	ppbv		97
39) 1,2-Dichloropropane	7.74	63	588108	8.369	ppbv		99
40) 1,4-Dioxane	7.95	88	217828	8.691	ppbv		98
41) Tetrahydrofuran	6.15	42	620084	8.777	ppbv		98
42) Bromodichloromethane	7.92	83	1424014	8.695	ppbv		99
43) Methyl Methacrylate	8.14	69	641779	8.811	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\
Data File : VL033601.D
Acq On : 17 Apr 2019 14:20
Operator : SY/AP
Sample : VL0417ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Quant Time: Apr 18 05:56:06 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	2677163	8.540	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	891365	9.967	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	1001798	9.593	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	684383	8.577	ppbv		99
48) Dibromochloromethane	10.45	129	1237978	9.198	ppbv		99
49) Bromoform	13.20	173	1142050	8.882	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1639233	8.715	ppbv		99
51) 2-Hexanone	10.27	43	1282115	9.138	ppbv	#	100
52) Tetrachloroethene	11.37	164	620796	9.172	ppbv		97
53) Toluene	9.95	91	1915506	9.189	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1085345	8.696	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.28	131	878284	8.329	ppbv		98
57) Chlorobenzene	12.30	112	1455694	8.148	ppbv		98
58) Ethyl Benzene	12.86	91	2650971	8.628	ppbv		98
59) m/p-Xylene	13.15	91	4557692m	16.607	ppbv		
60) o-Xylene	13.85	91	2249191	8.475	ppbv		99
61) Styrene	13.68	104	1675387	9.198	ppbv		99
62) Isopropylbenzene	14.82	105	3165172	8.422	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1582139	8.096	ppbv		99
64) n-propylbenzene	15.72	120	825160	8.653	ppbv		95
65) tert-Butylbenzene	16.91	119	2889686	8.726	ppbv		99
66) Benzyl Chloride	17.15	91	1638456	10.640	ppbv		99
67) sec-Butylbenzene	17.46	105	4069304	8.640	ppbv		100
69) p-Isopropyltoluene	17.81	119	3391280	8.844	ppbv		100
70) n-Butylbenzene	18.71	91	3545486	8.727	ppbv		100
71) 2-Chlorotoluene	15.61	91	2444693	8.555	ppbv		99
72) 4-Ethyltoluene	16.00	105	2630230	8.817	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2535711	8.882	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	2638875	8.624	ppbv		96
75) 1,3-Dichlorobenzene	17.16	146	1573624	8.321	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1575759	8.552	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1539870	8.582	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	921524	7.758	ppbv		100
79) Naphthalene	22.41	128	2625785	10.025	ppbv		100
80) Naphthalene,2-methyl-	25.11	142	1117519	12.713	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	1349530	9.288	ppbv		99

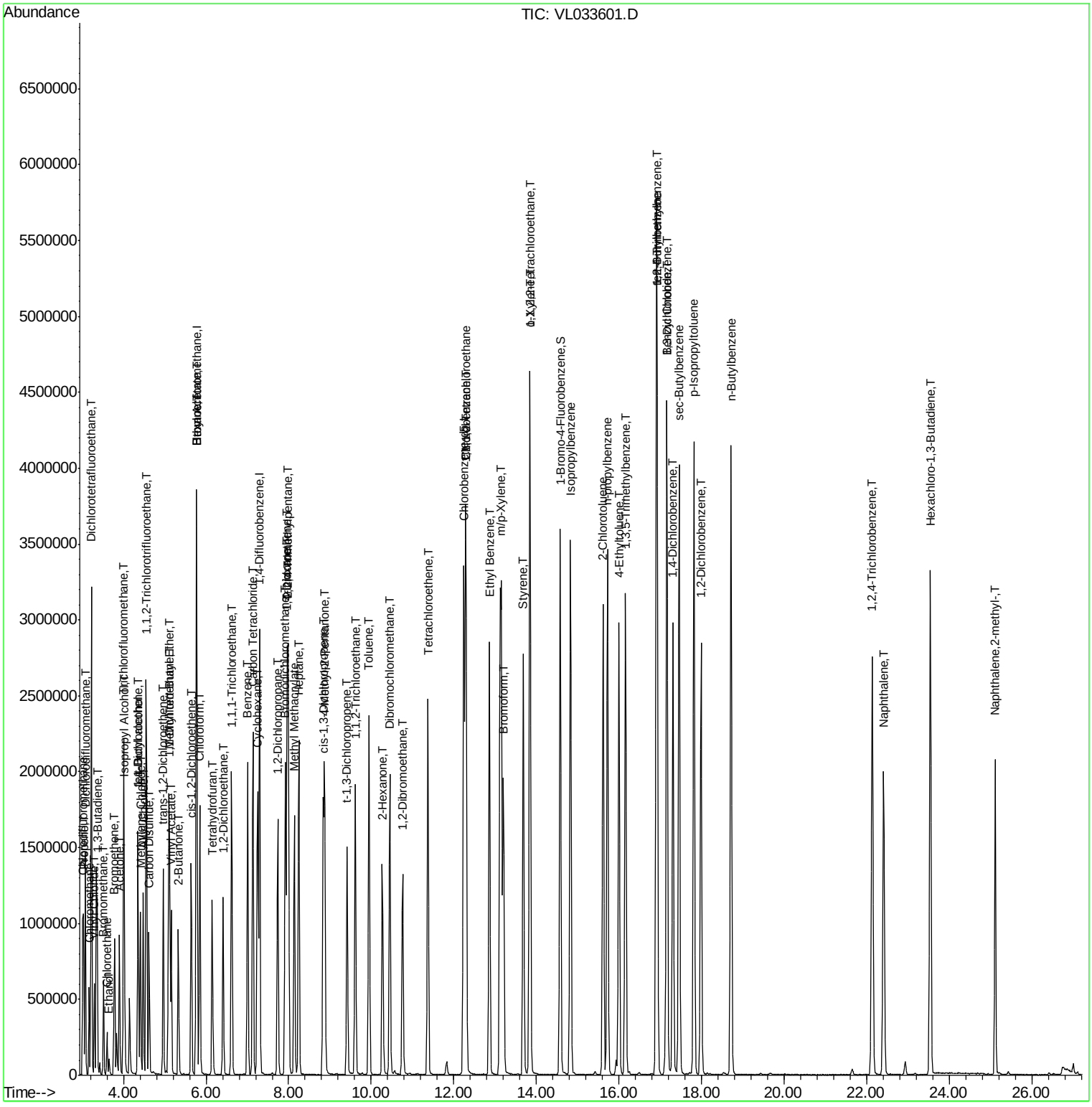
(#) = qualifier out of range (m) = manual integration (+) = signals summed

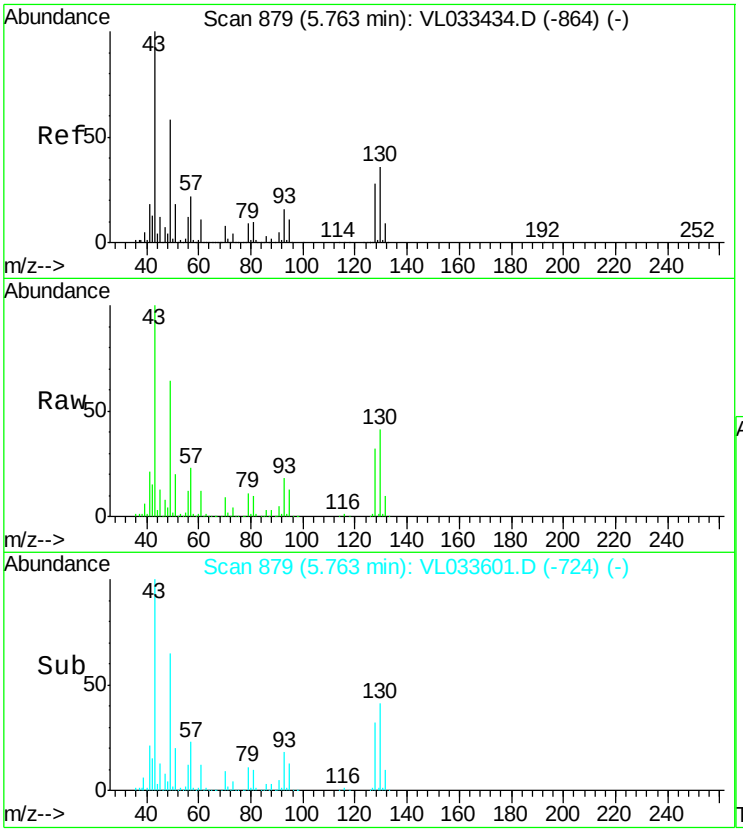
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041719\
Data File : VL033601.D
Acq On : 17 Apr 2019 14:20
Operator : SY/AP
Sample : VL0417ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Quant Time: Apr 18 05:56:06 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



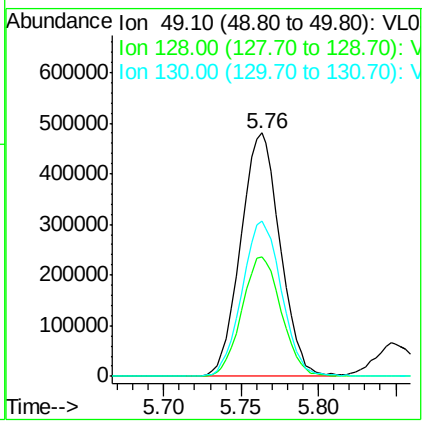


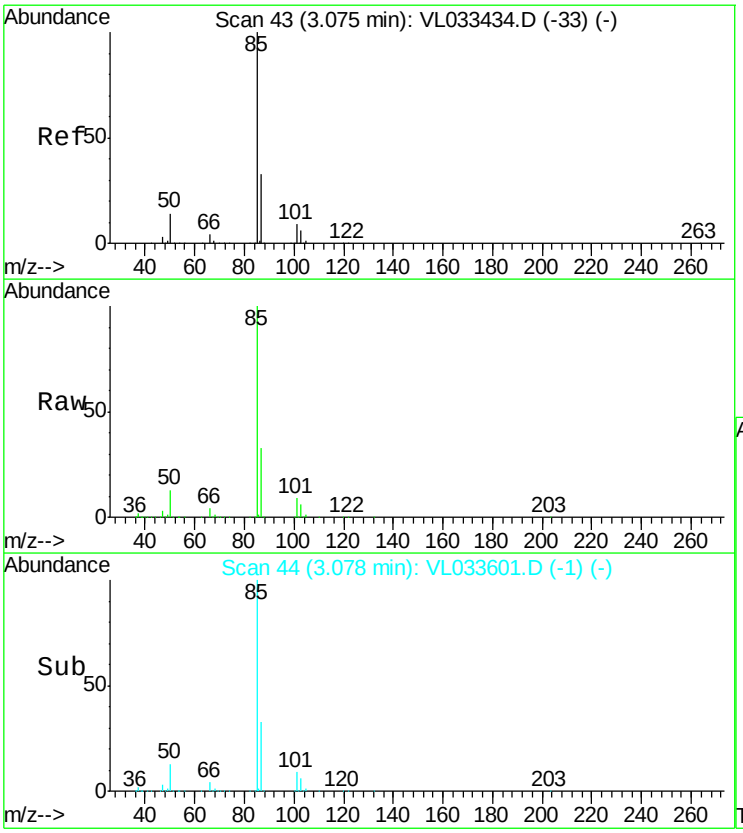
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 49 Resp: 851735

Ion	Ratio	Lower	Upper
49	100		
128	49.4	24.0	72.0
130	64.1	31.2	93.6

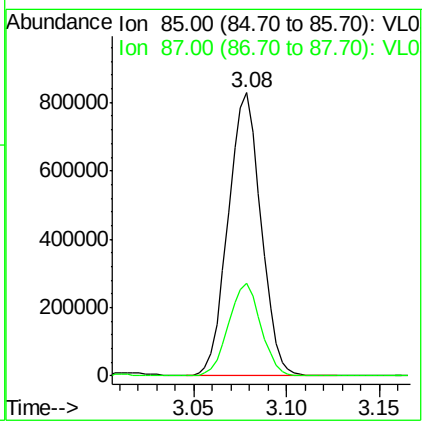


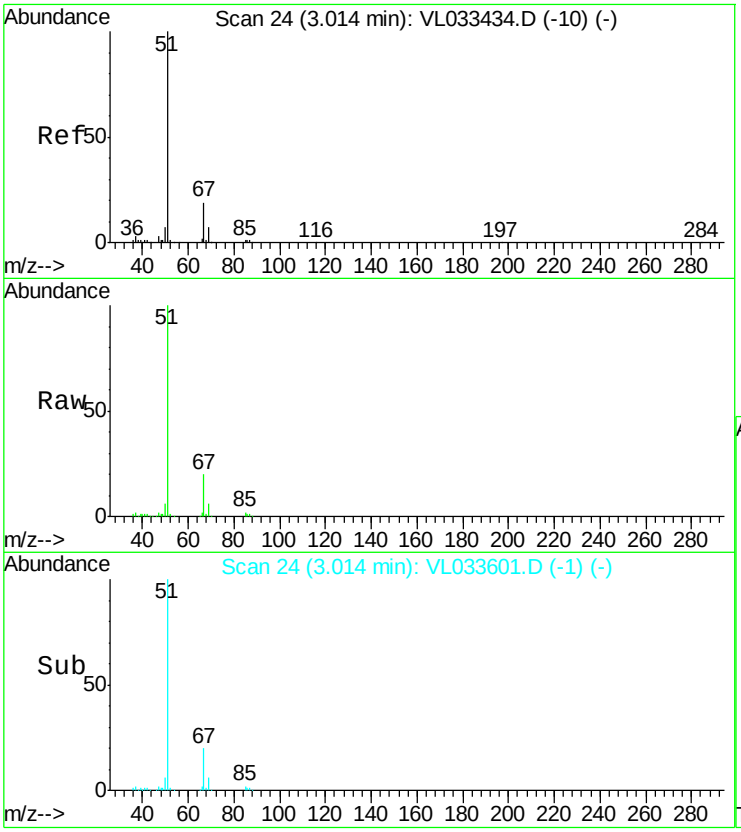


#2
Dichlorodifluoromethane
Concen: 8.185 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 85 Resp: 1016766

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.7	40.1



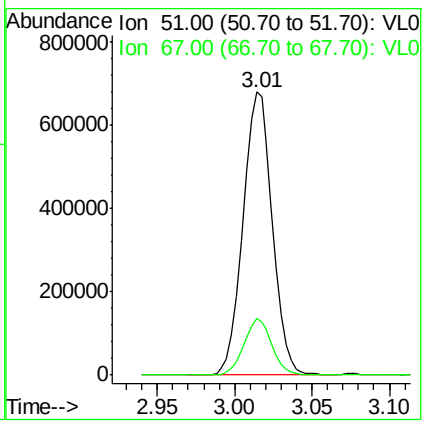


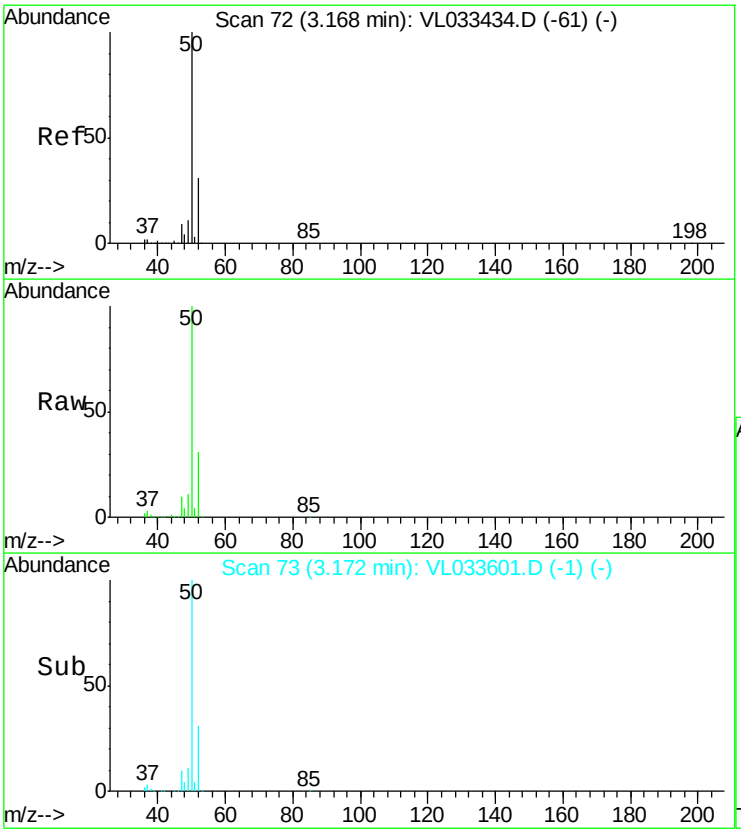
#3
Chlorodifluoromethane
Concen: 9.133 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 51 Resp: 895518

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.7	23.5

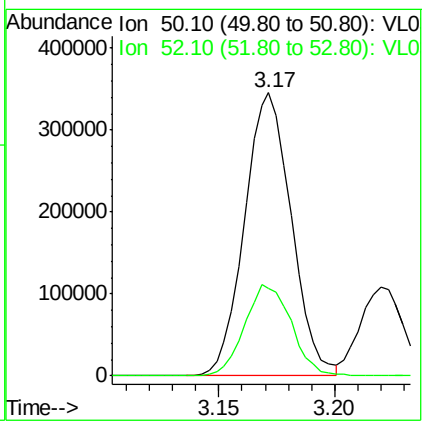


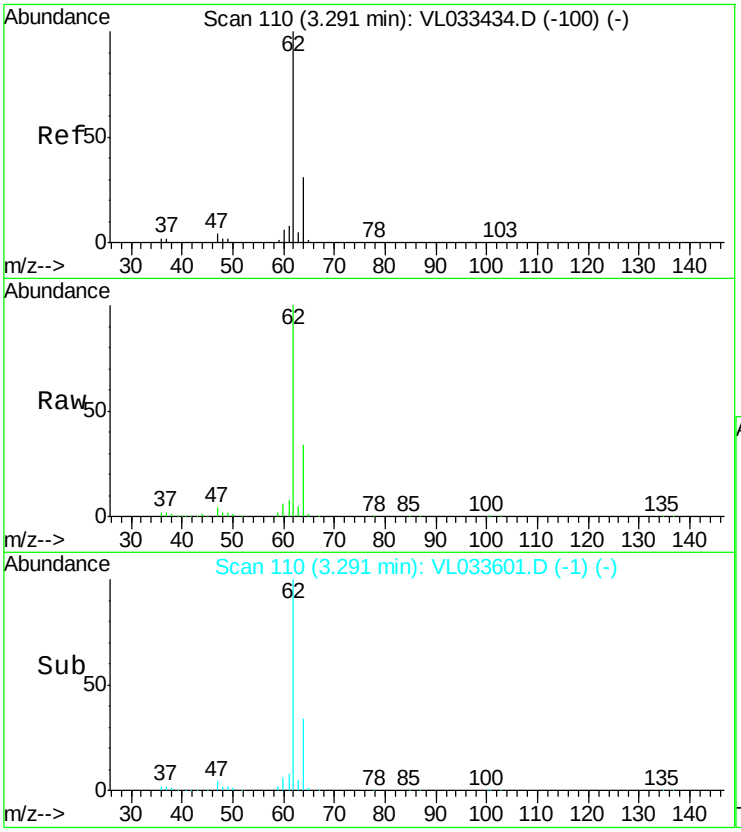


#4
Chloromethane
Concen: 9.327 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 50 Resp: 483992

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.0	37.6



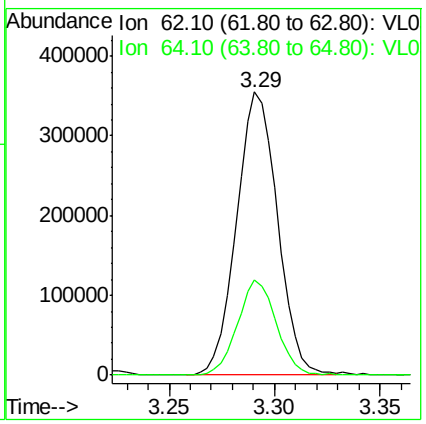


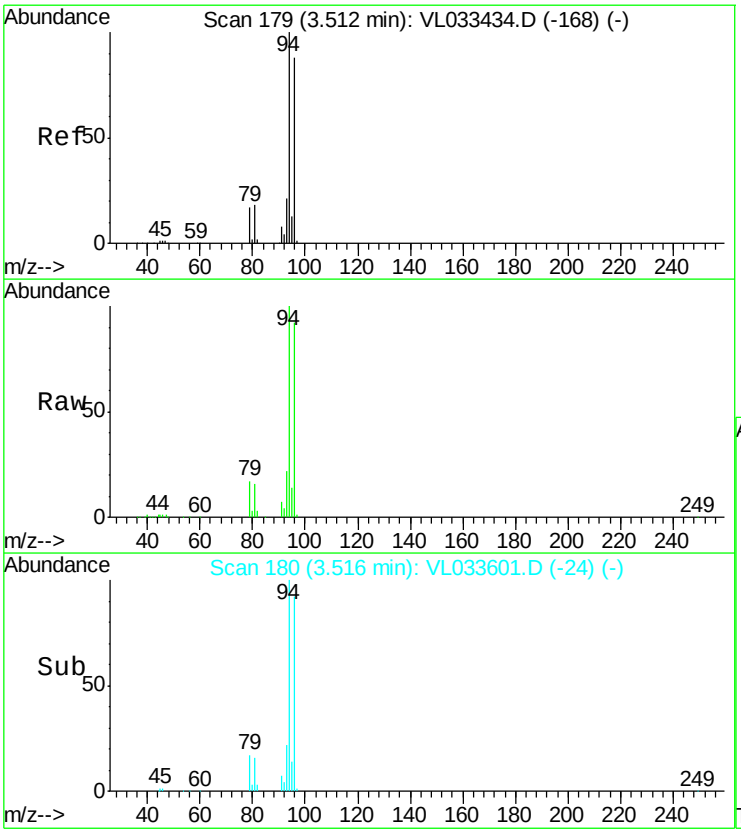
#5
Vinyl Chloride
Concen: 9.408 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 62 Resp: 479651

Ion	Ratio	Lower	Upper
62	100		
64	33.5	24.9	37.3

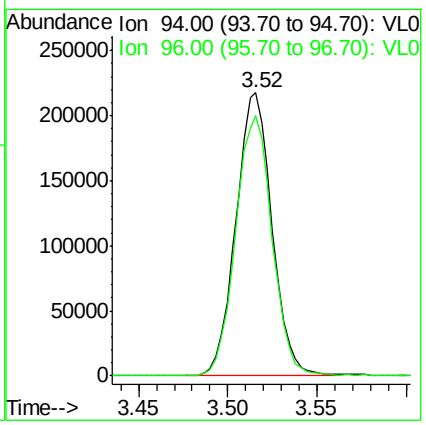


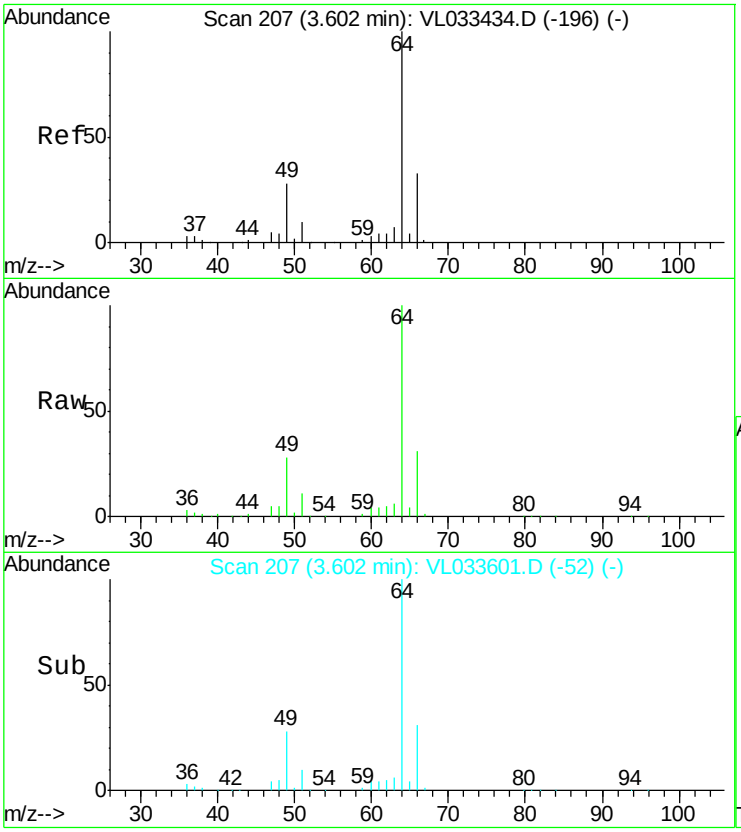


#6
Bromomethane
Concen: 9.392 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 94 Resp: 307732

Ion	Ratio	Lower	Upper
94	100		
96	92.1	70.2	105.2



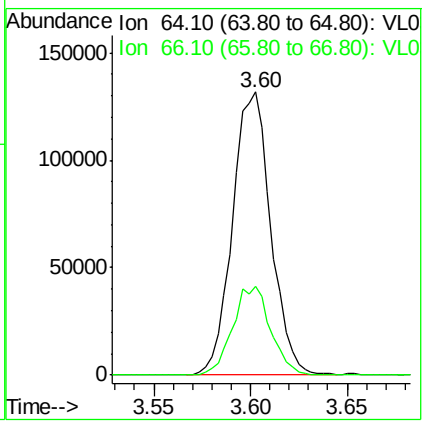


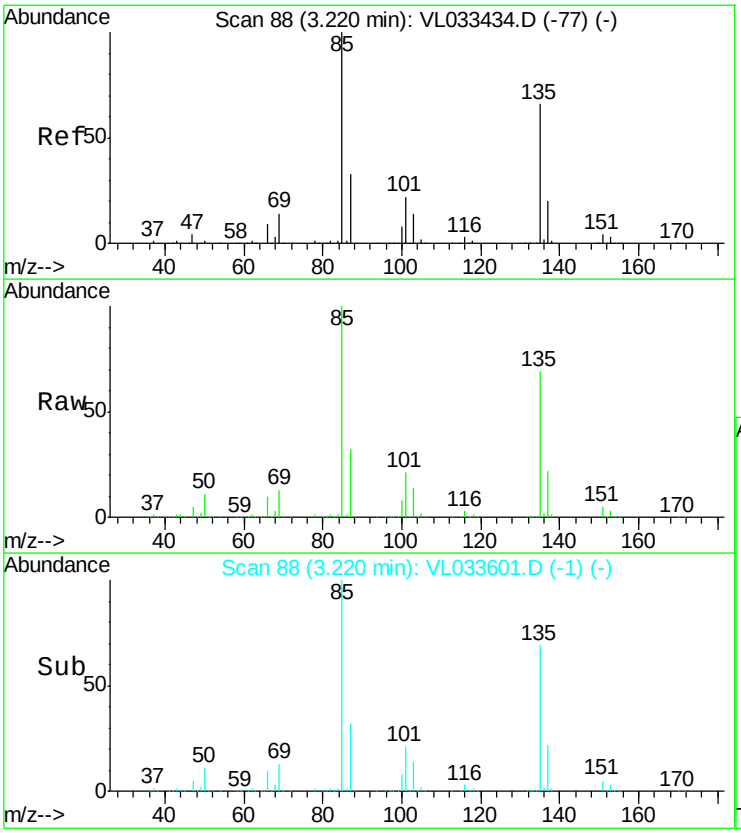
#7
Chloroethane
Concen: 9.549 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 64 Resp: 181185

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.7	40.1

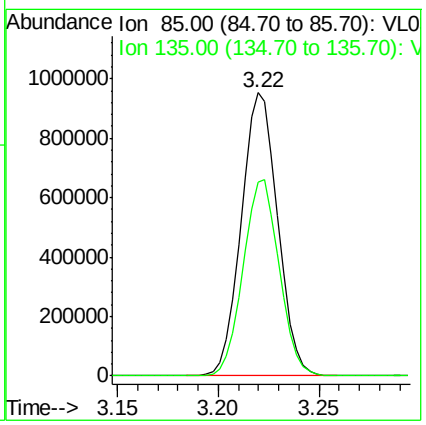


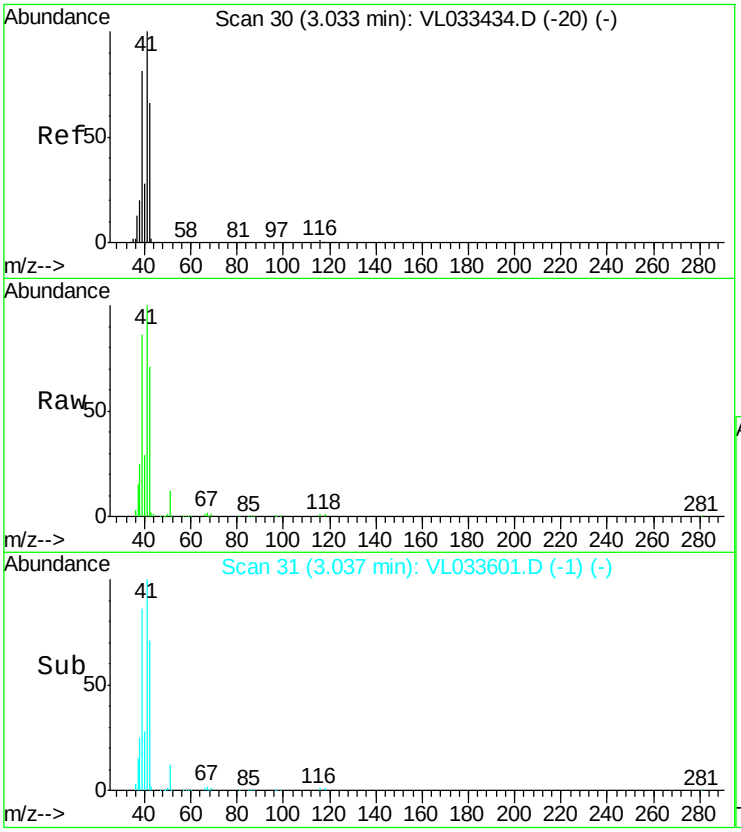


#8
Dichlorotetrafluoroethane
Concen: 9.133 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 85 Resp: 1208851

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.0	81.0



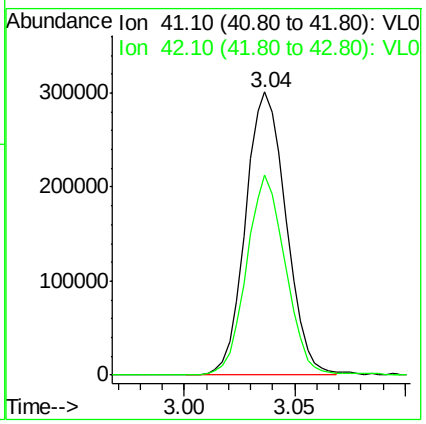


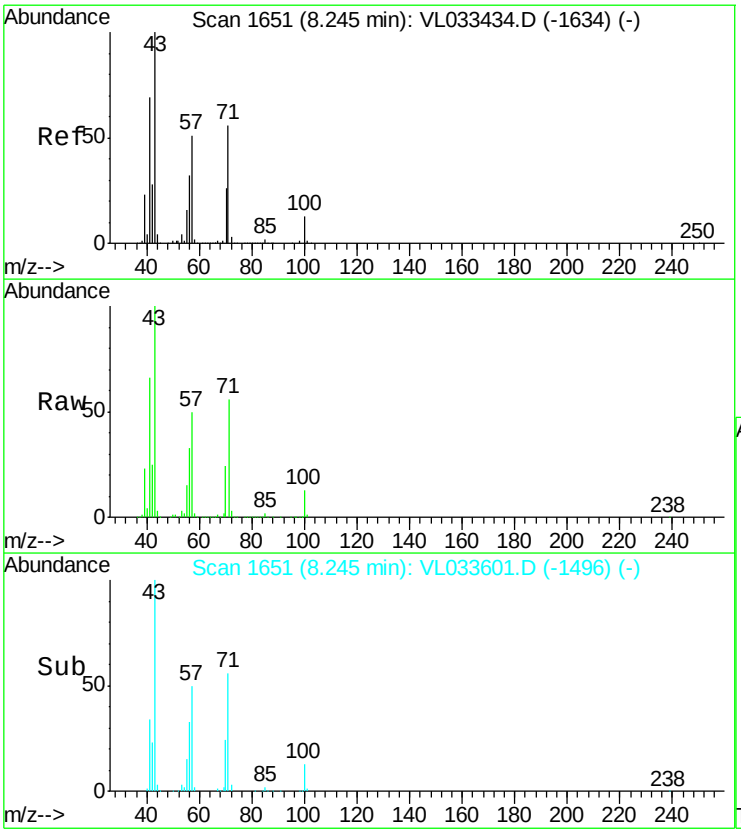
#9
Propene
Concen: 9.315 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 41 Resp: 383586

Ion	Ratio	Lower	Upper
41	100		
42	68.5	53.9	80.9

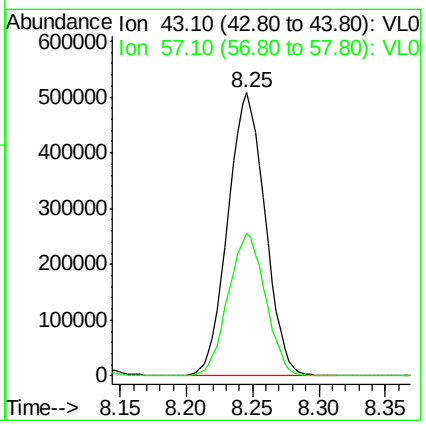


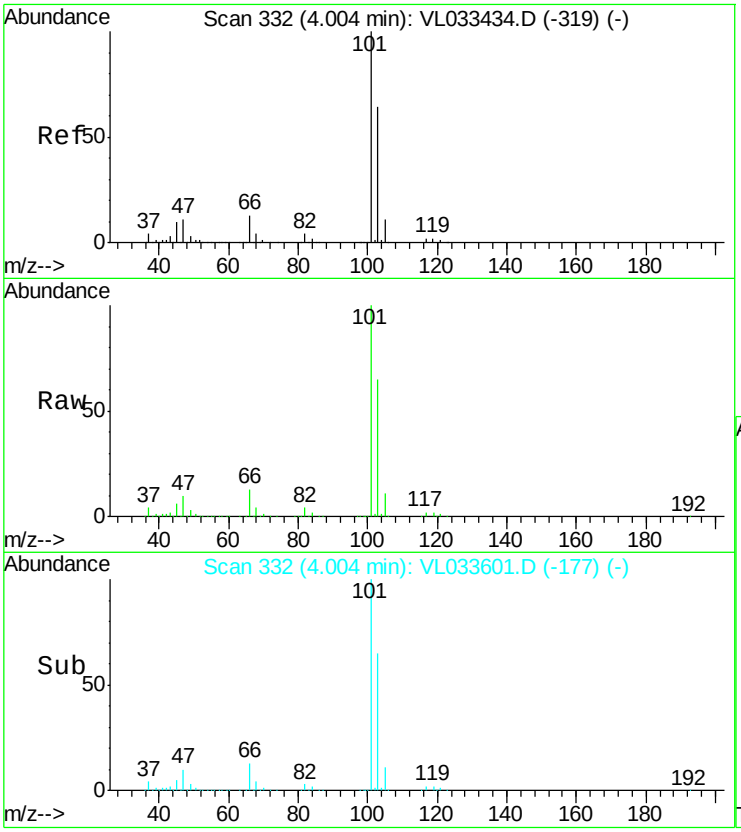


#10
Heptane
Concen: 8.980 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 43 Resp: 988497

Ion	Ratio	Lower	Upper
43	100		
57	50.3	40.6	60.8



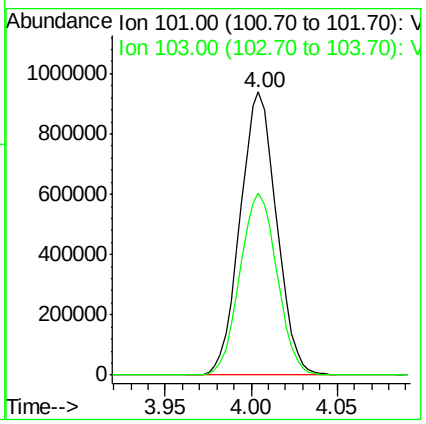


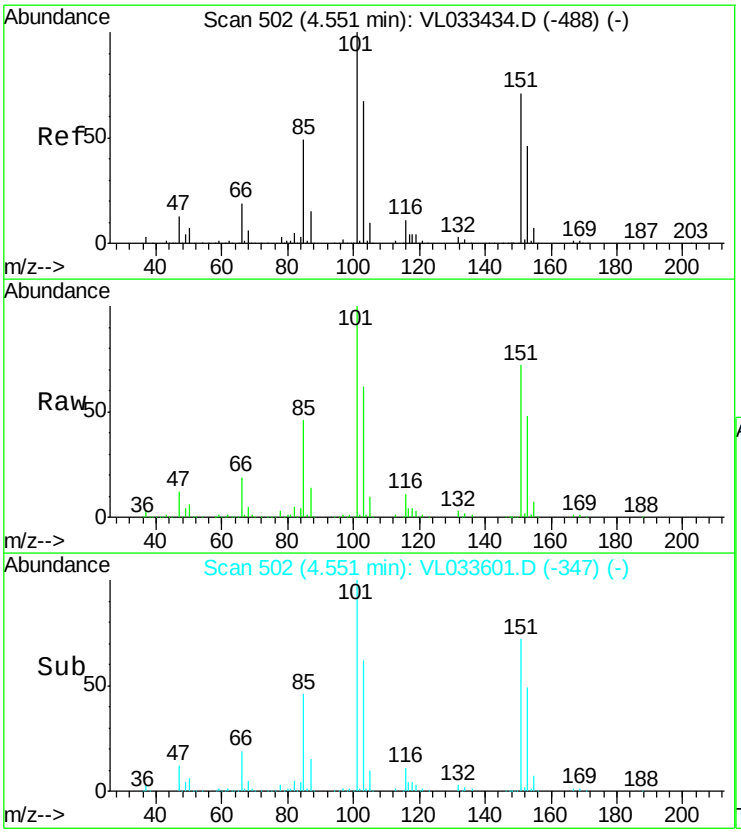
#11
Trichlorofluoromethane
Concen: 9.047 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:101 Resp: 1384994

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.3	76.9

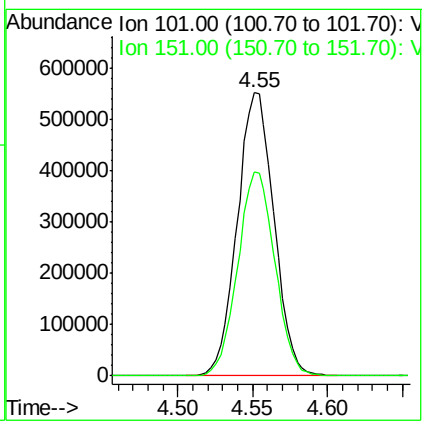


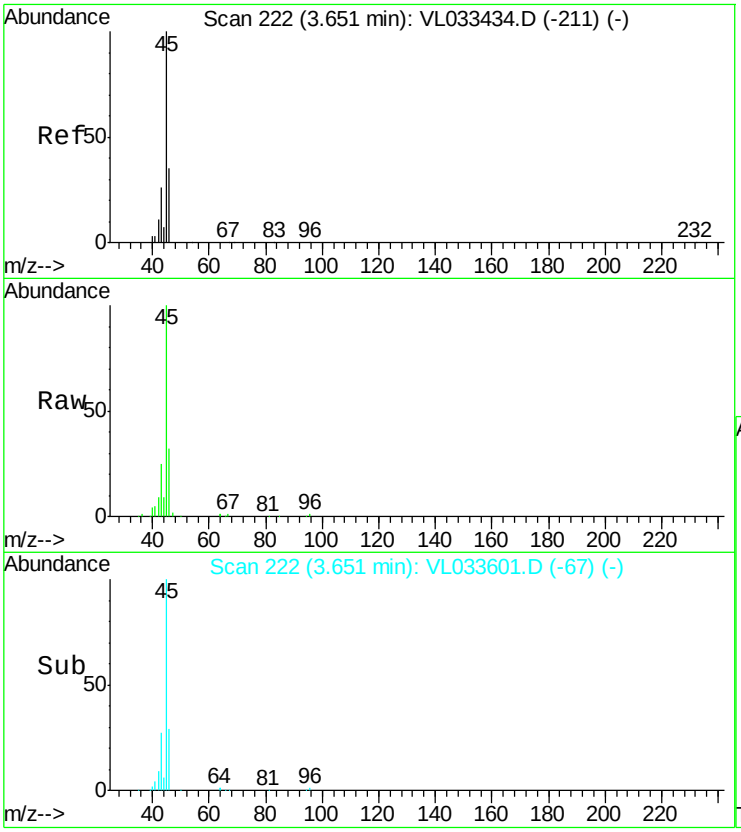


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.173 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:101 Resp: 943285

Ion	Ratio	Lower	Upper
101	100		
151	72.9	57.7	86.5



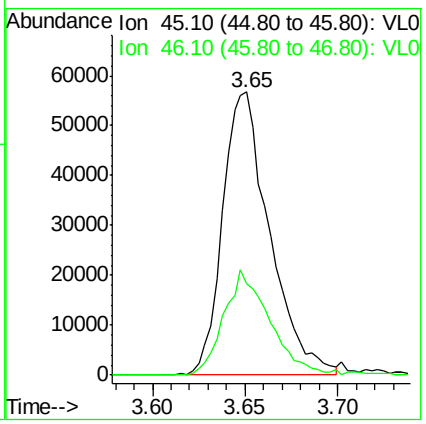


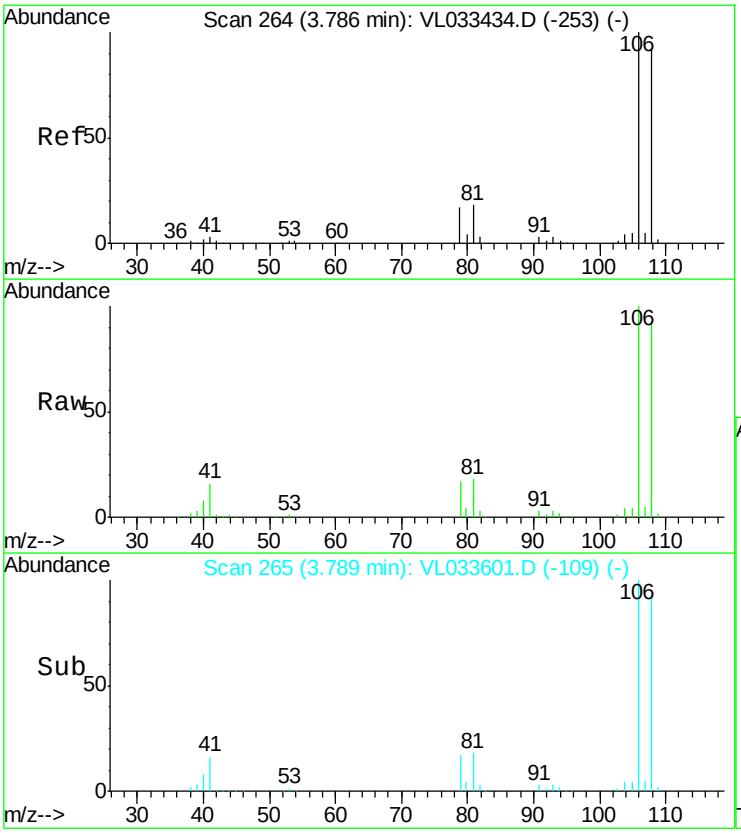
#13
Ethanol
Concen: 9.355 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 45 Resp: 99688

Ion	Ratio	Lower	Upper
45	100		
46	36.8	25.4	101.8

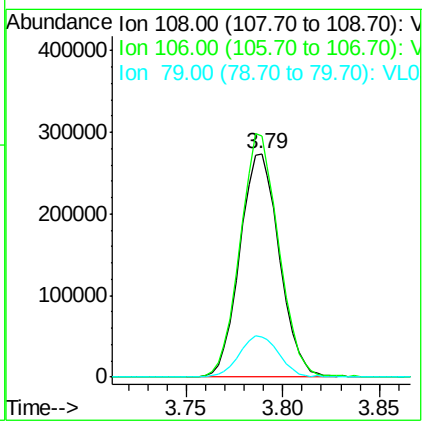


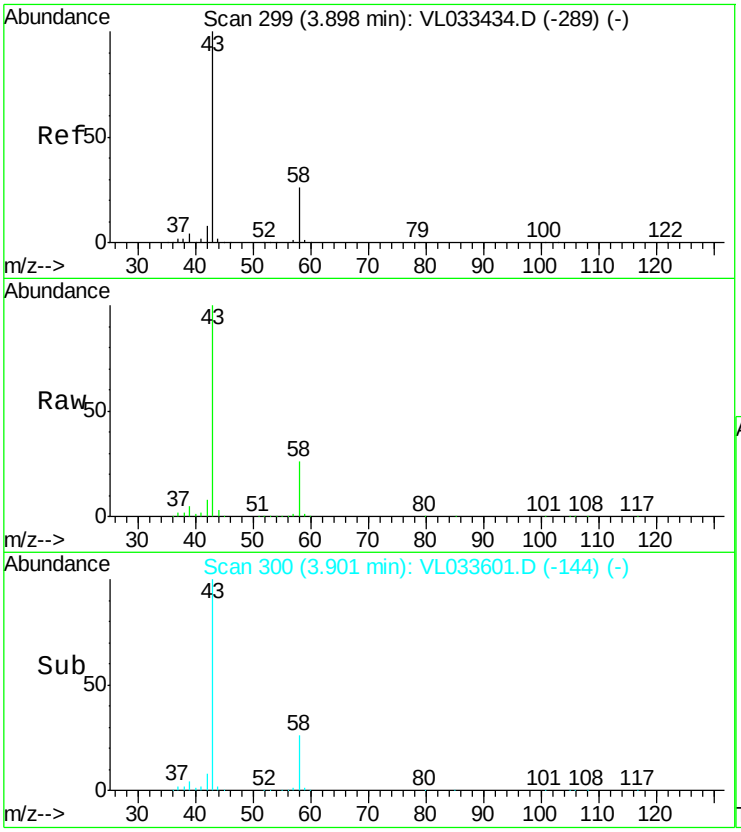


#14
Bromoethene
Concen: 9.494 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:108 Resp: 389370

Ion	Ratio	Lower	Upper
108	100		
106	106.6	86.4	129.6
79	18.8	15.8	23.8



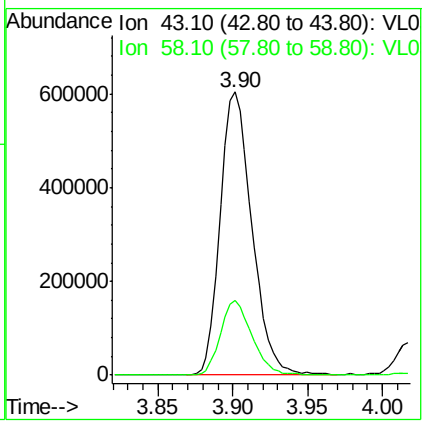


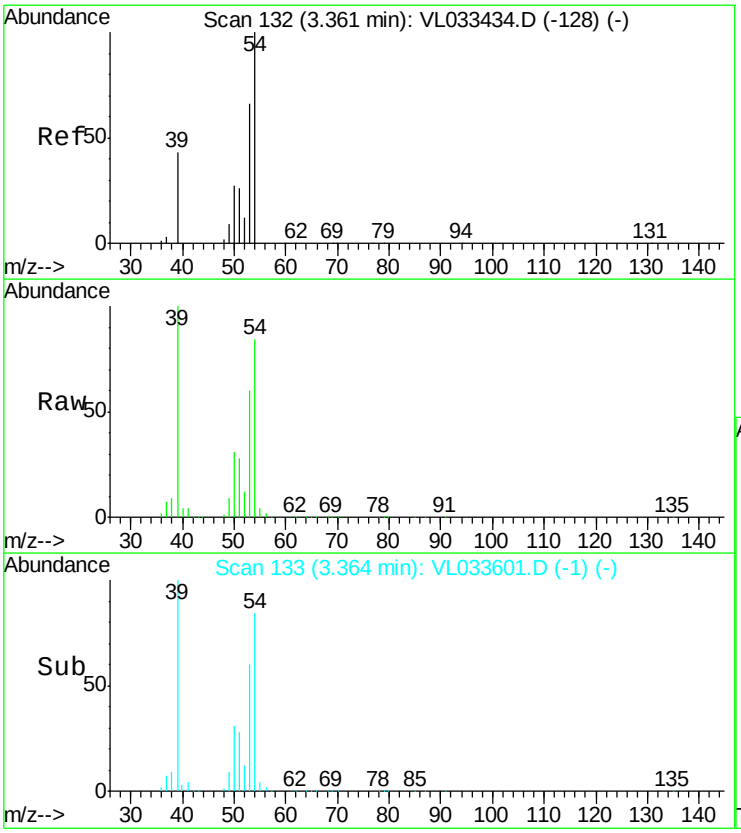
#15
Acetone
Concen: 8.719 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 43 Resp: 892886

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.5	30.7

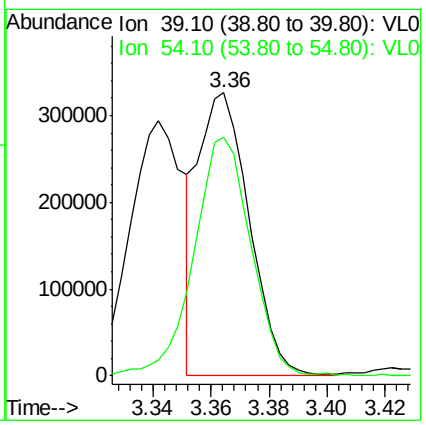


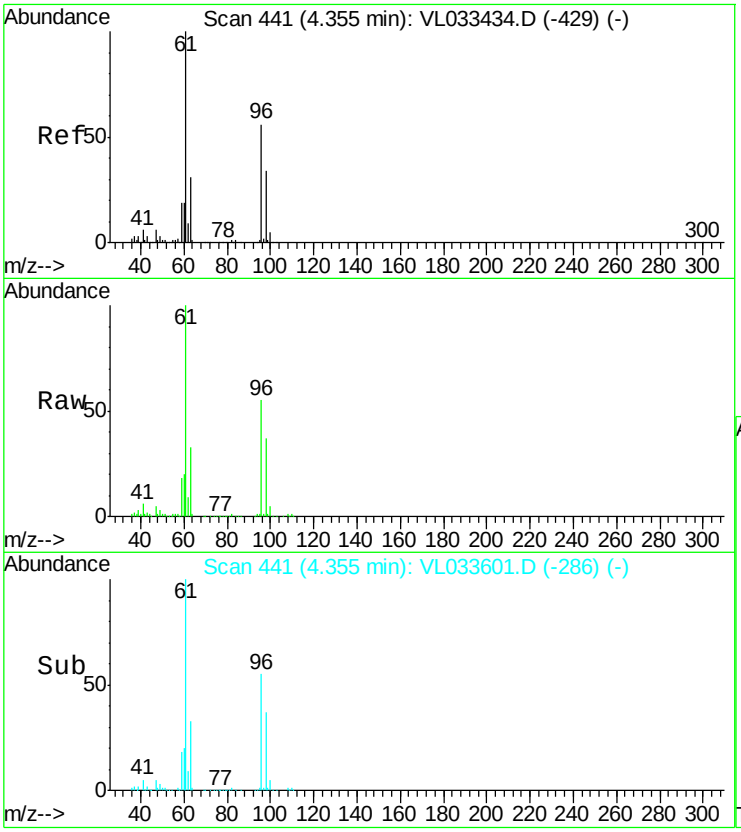


#16
1,3-Butadiene
Concen: 9.716 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 39 Resp: 394664

Ion	Ratio	Lower	Upper
39	100		
54	95.8	69.4	104.2



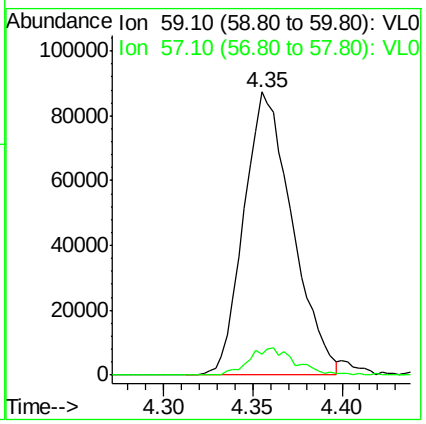


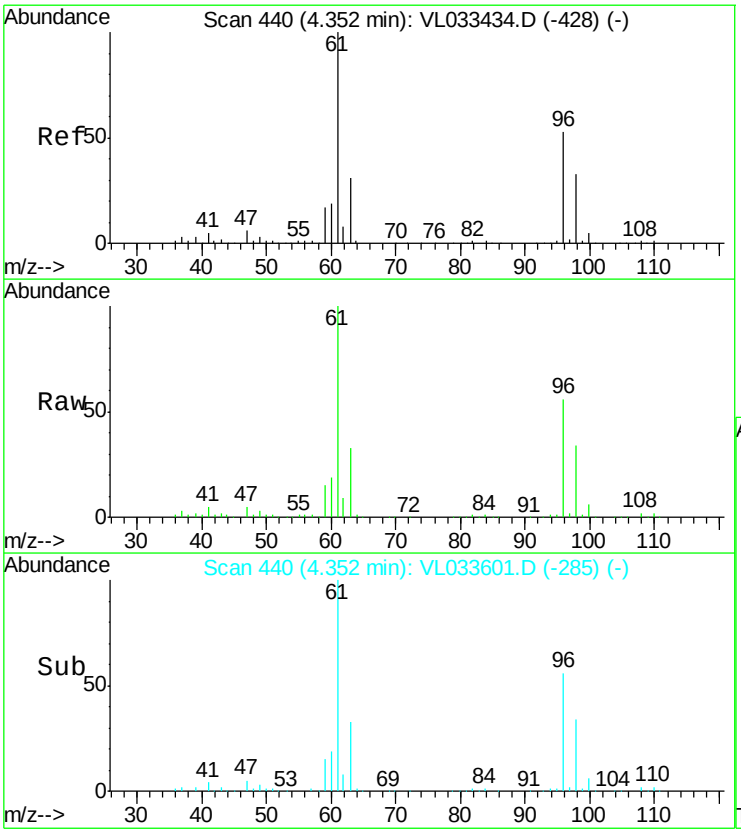
#17
tert-Butyl alcohol
Concen: 8.785 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 59 Resp: 165418

Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.8

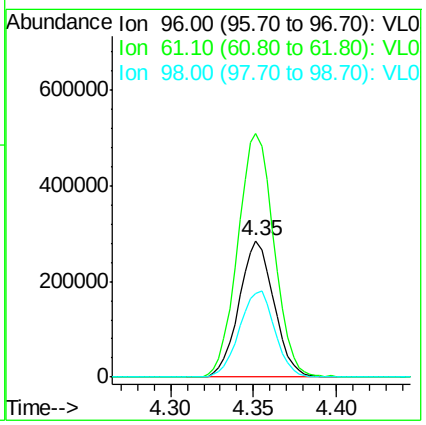


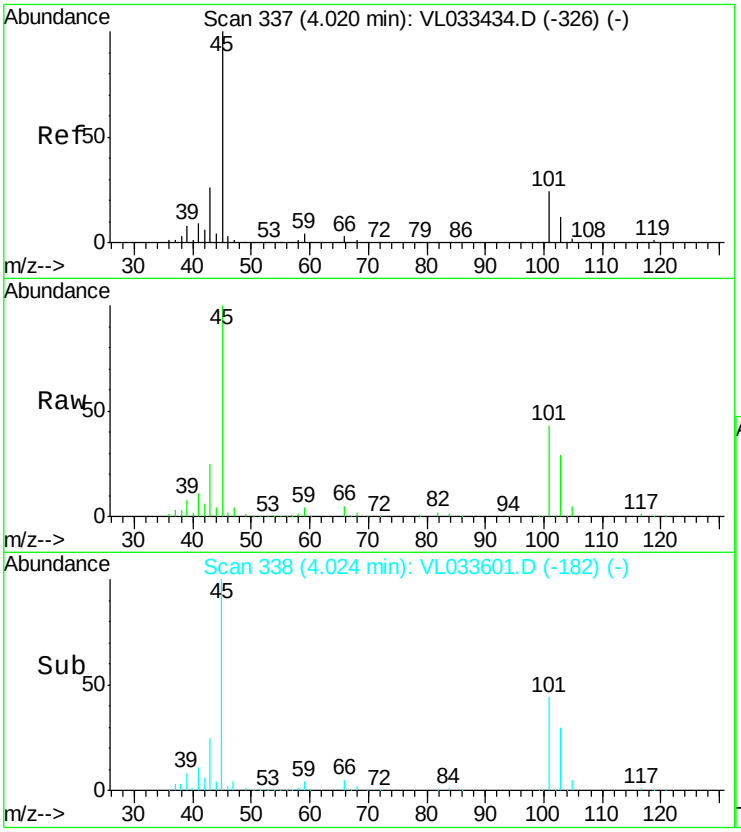


#18
1,1-Dichloroethene
Concen: 9.420 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 96 Resp: 416081

Ion	Ratio	Lower	Upper
96	100		
61	178.3	149.8	224.6
98	61.2	48.7	73.1



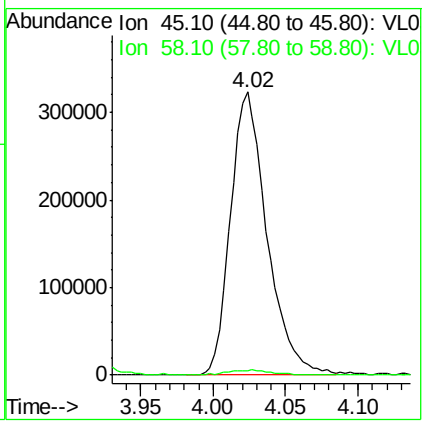


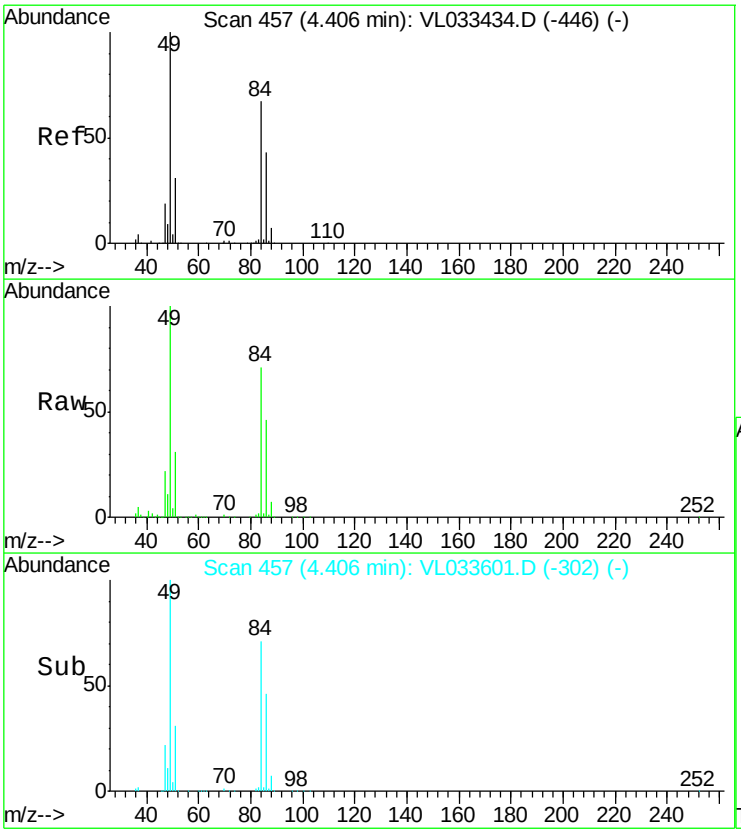
#19
Isopropyl Alcohol
Concen: 8.722 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 45 Resp: 564980

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.2#

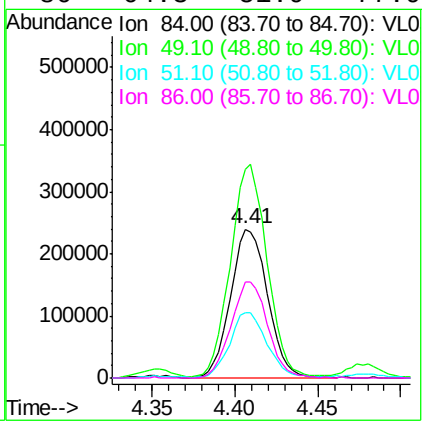


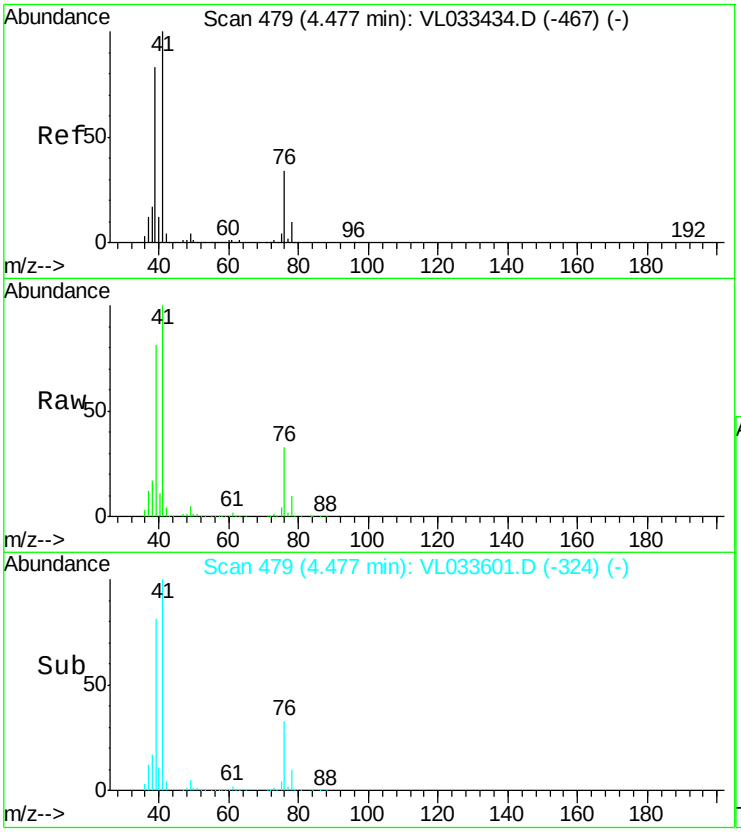


#20
Methylene Chloride
Concen: 8.585 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 84 Resp: 373217

Ion	Ratio	Lower	Upper
84	100		
49	139.4	120.0	180.0
51	43.0	36.7	55.1
86	64.3	51.9	77.9



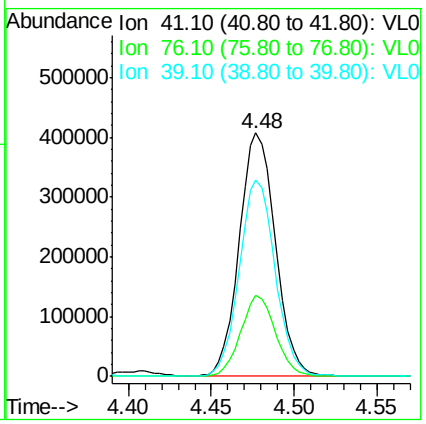


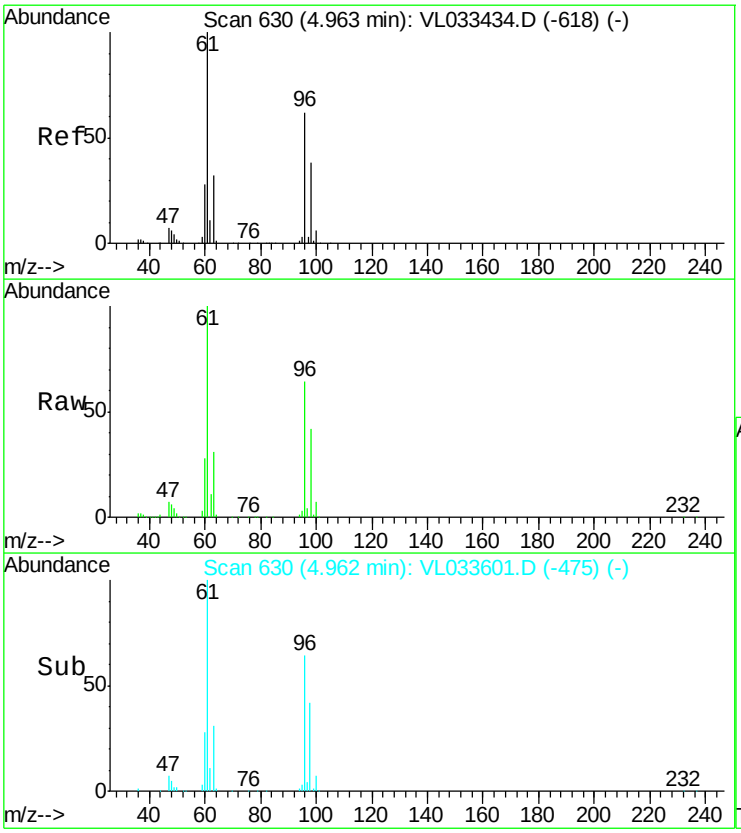
#21
Allyl Chloride
Concen: 9.511 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 41 Resp: 615726

Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.4	38.2
39	80.5	65.3	97.9

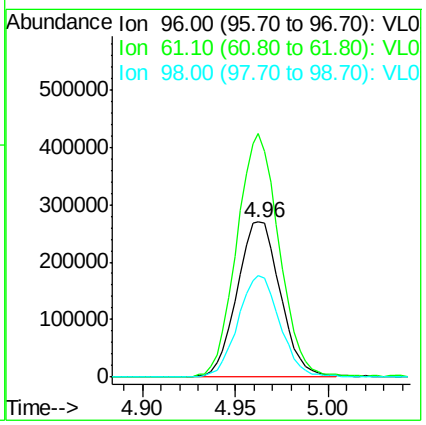


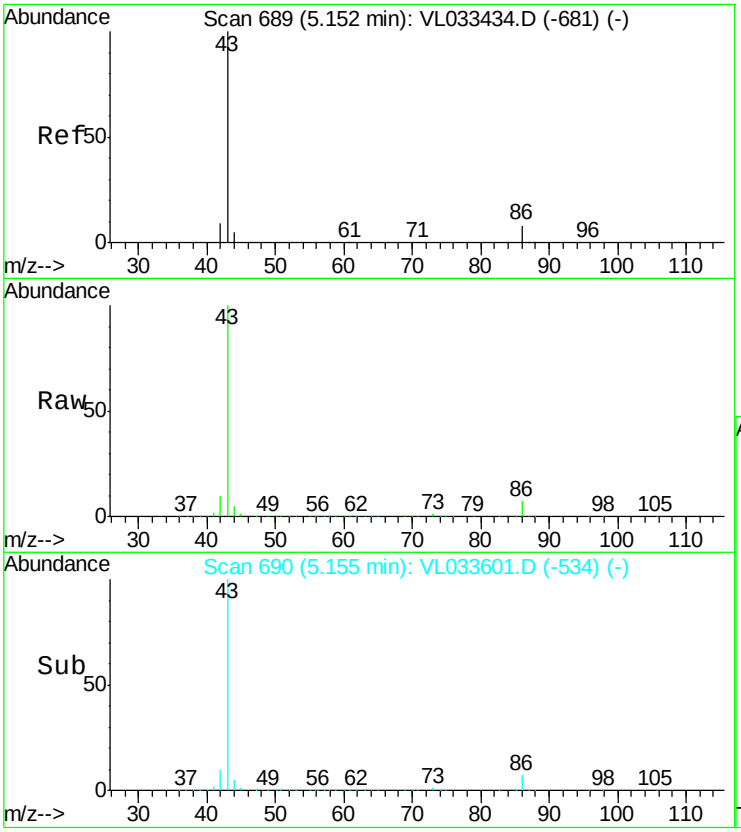


#22
trans-1,2-Dichloroethene
Concen: 9.464 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 96 Resp: 436124

Ion	Ratio	Lower	Upper
96	100		
61	157.0	128.9	193.3
98	65.3	49.5	74.3



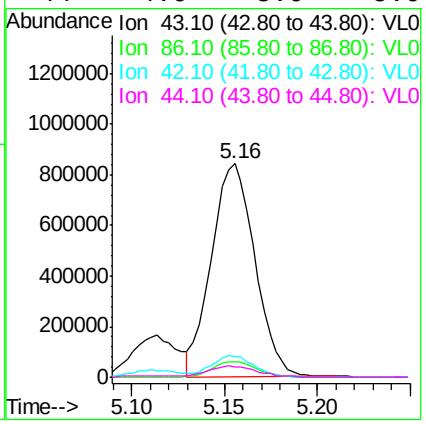


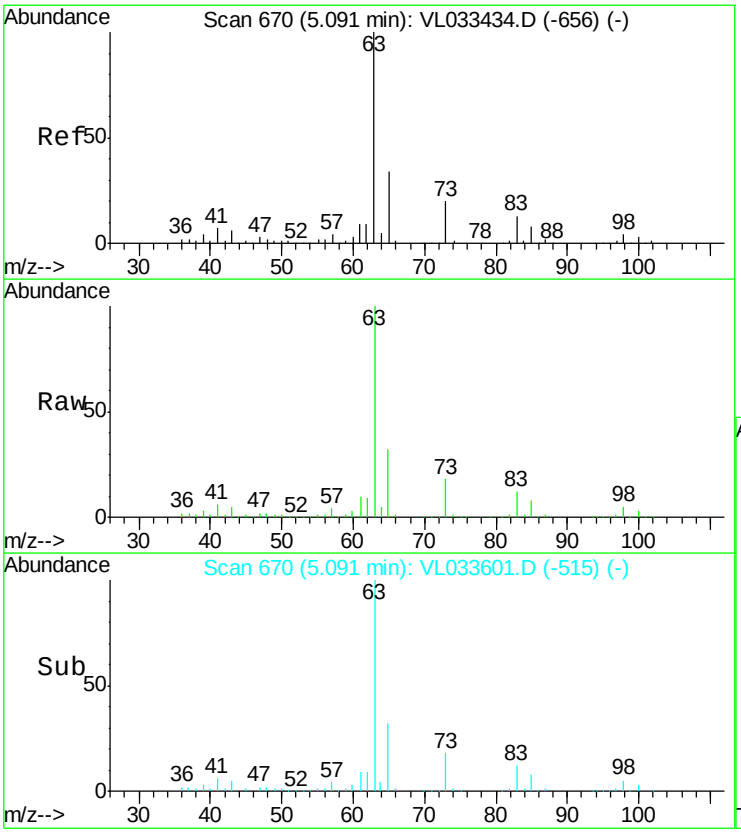
#23
Vinyl Acetate
Concen: 9.425 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 43 Resp: 1373908

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	9.8	8.0	12.0
44	4.9	3.9	5.9

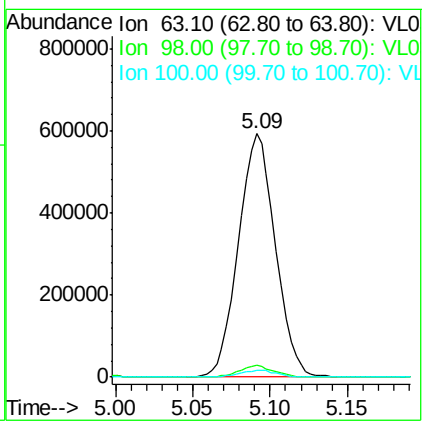


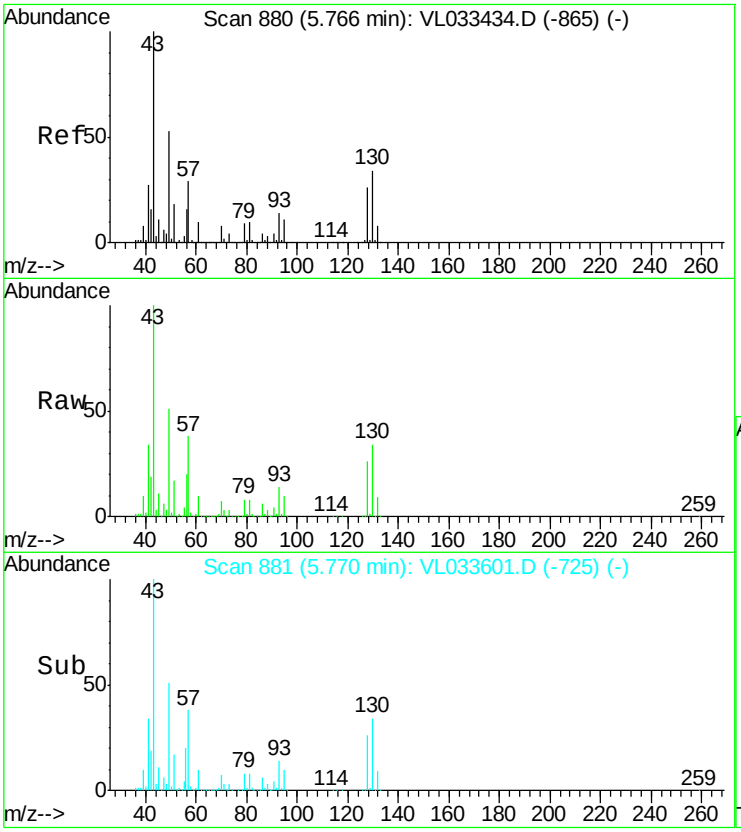


#24
1,1-Dichloroethane
Concen: 8.877 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 63 Resp: 982870

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.2	6.6
100	2.6	1.5	4.4



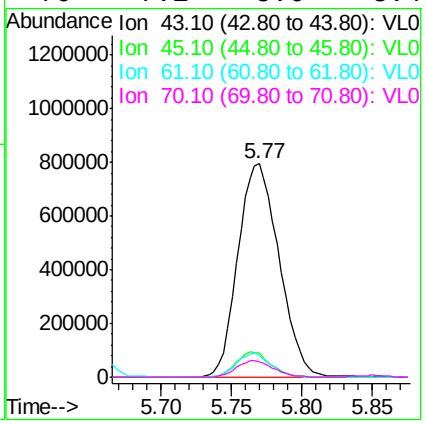


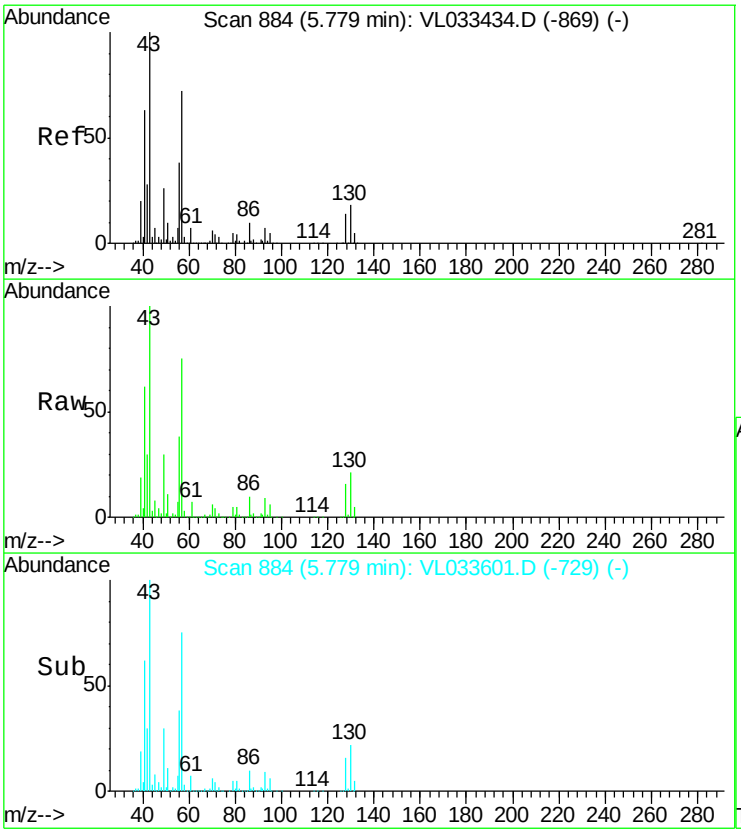
#25
Ethyl Acetate
Concen: 8.543 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 43 Resp: 1623212

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.4	7.3	10.9
70	7.1	5.6	8.4

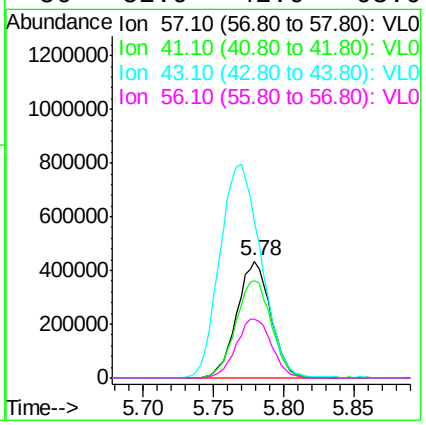


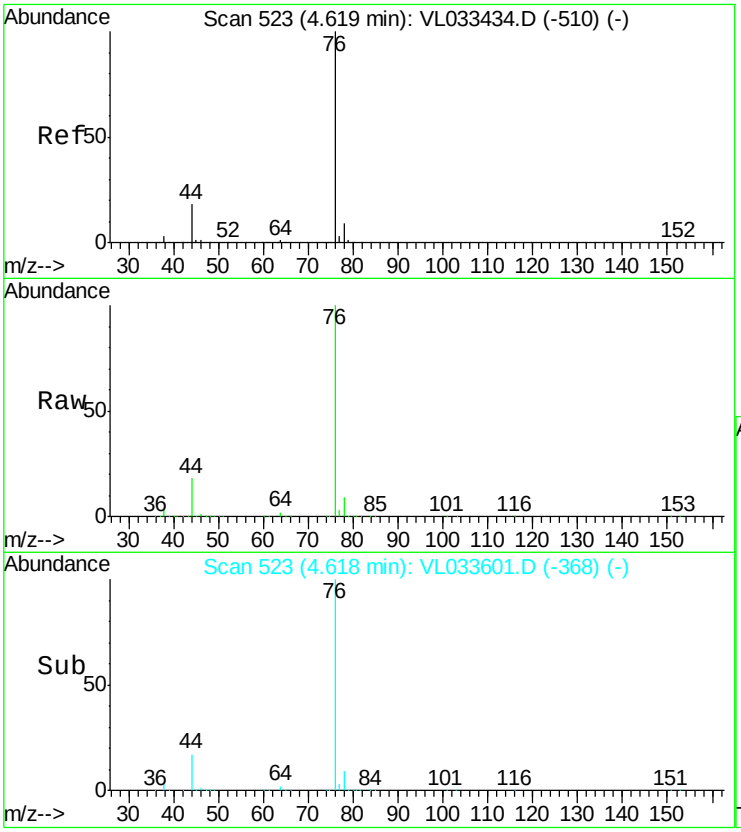


#26
Hexane
Concen: 8.683 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 57 Resp: 733610

Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.7	106.1
43	223.3	182.6	274.0
56	52.9	42.0	63.0



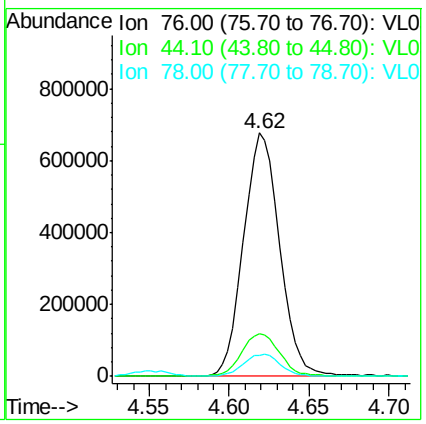


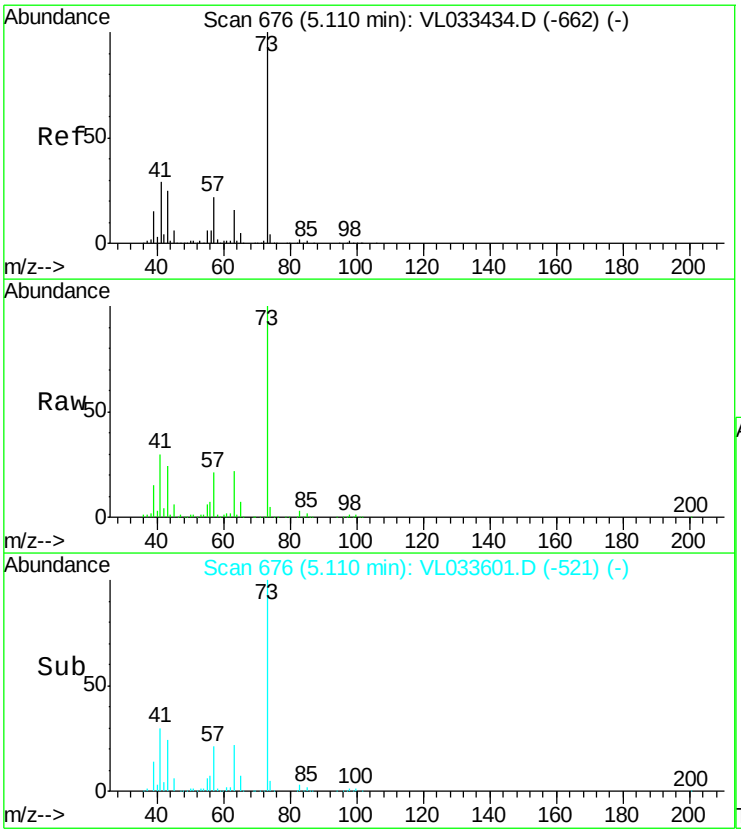
#27
Carbon Disulfide
Concen: 10.424 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 76 Resp: 1047264

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.8	22.2
78	9.4	7.6	11.4

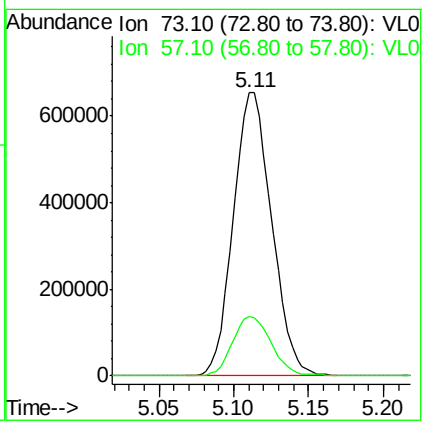


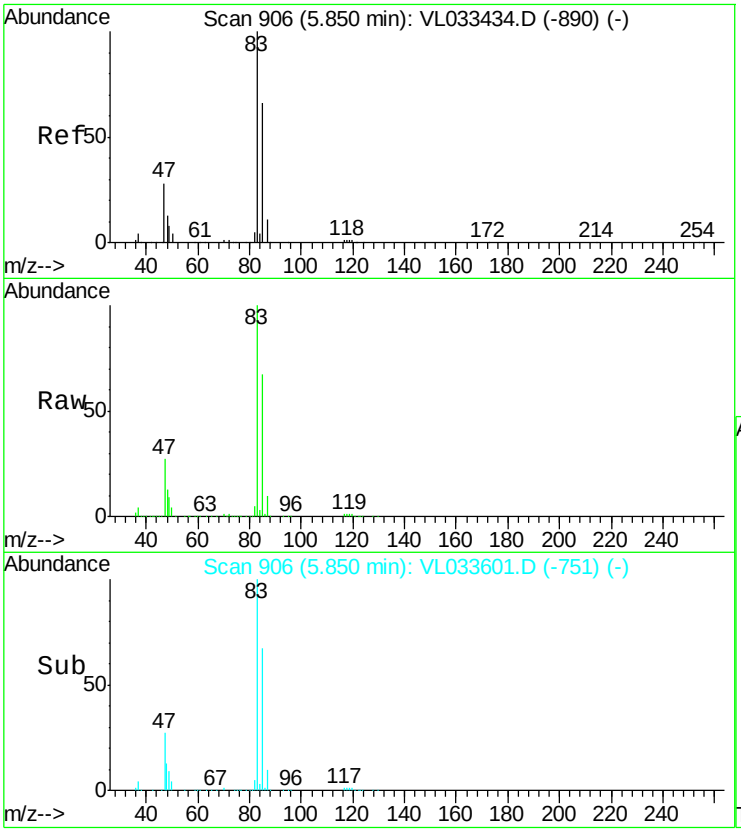


#28
Methyl tert-Butyl Ether
Concen: 9.606 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 73 Resp: 1168908

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.2



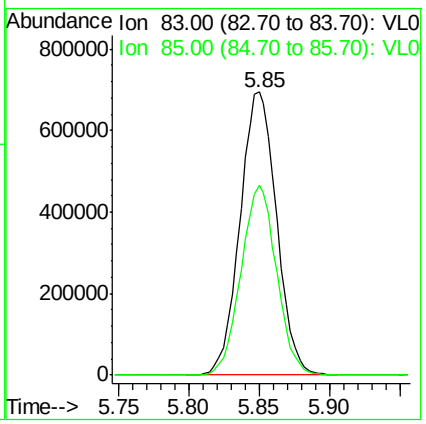


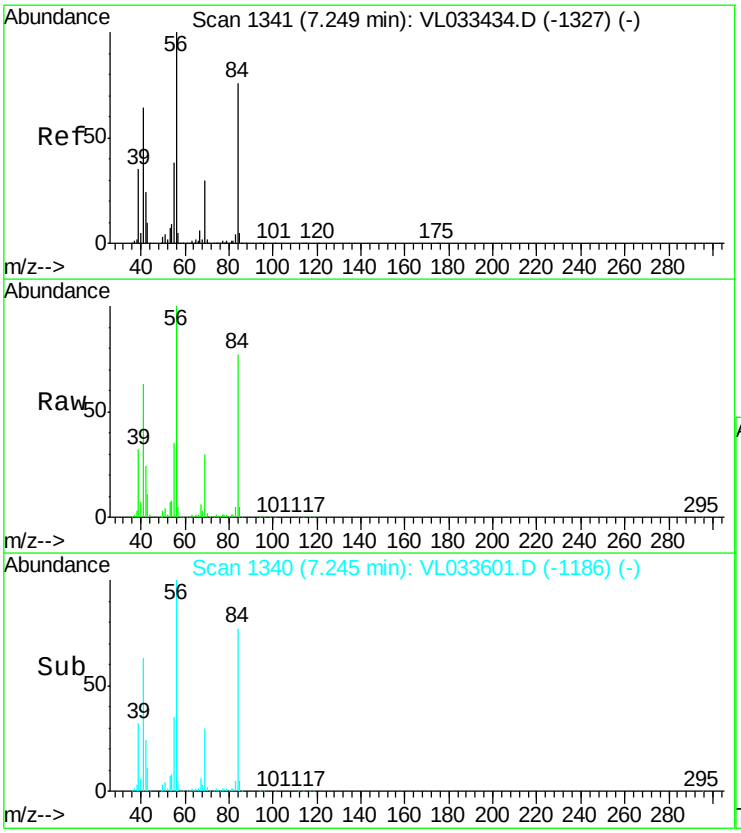
#29
Chloroform
Concen: 8.692 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 83 Resp: 1258833

Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0

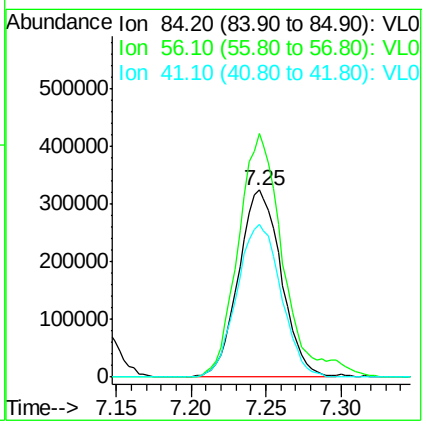


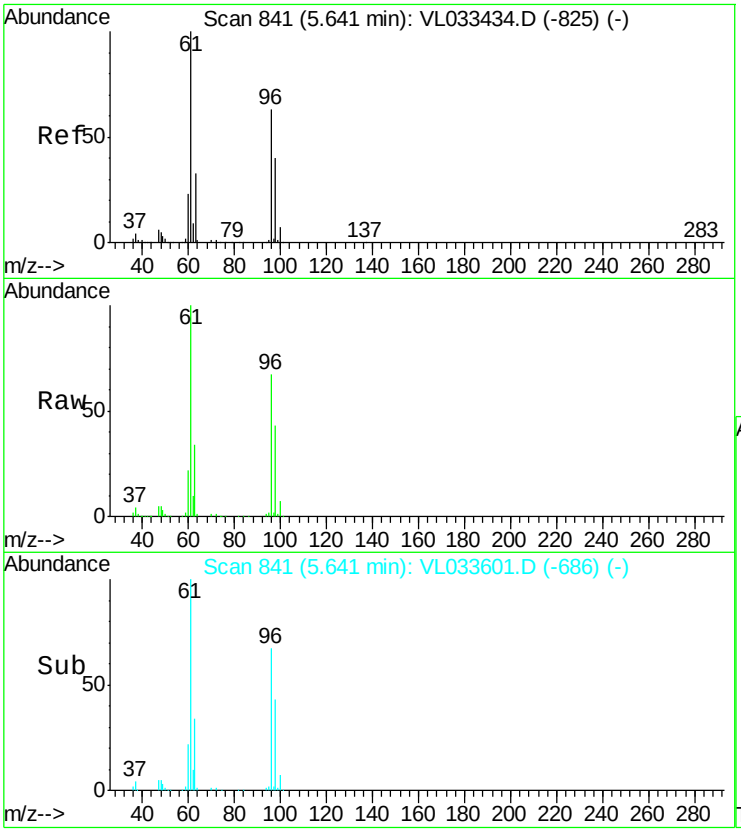


#30
Cyclohexane
Concen: 9.655 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 84 Resp: 645287

Ion	Ratio	Lower	Upper
84	100		
56	136.5	109.7	164.5
41	84.7	68.2	102.2



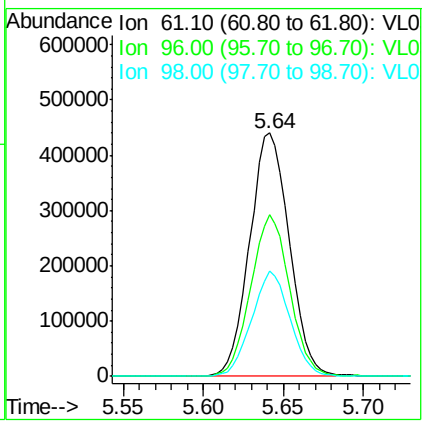


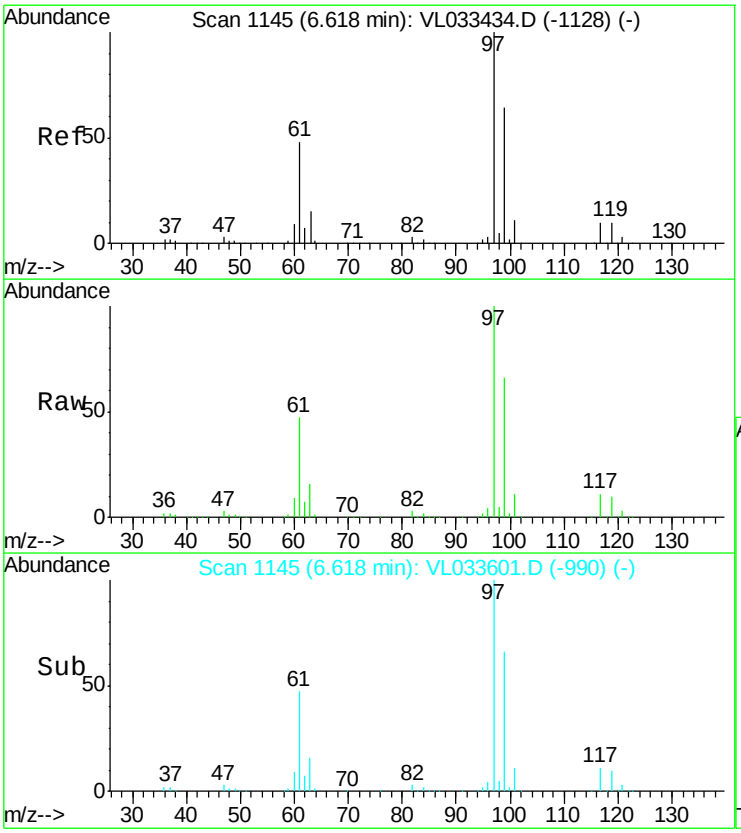
#31
cis-1,2-Dichloroethene
Concen: 8.922 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 61 Resp: 749452

Ion	Ratio	Lower	Upper
61	100		
96	66.6	50.6	76.0
98	43.2	32.2	48.2

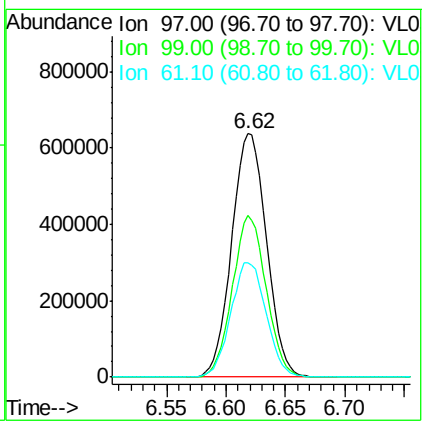


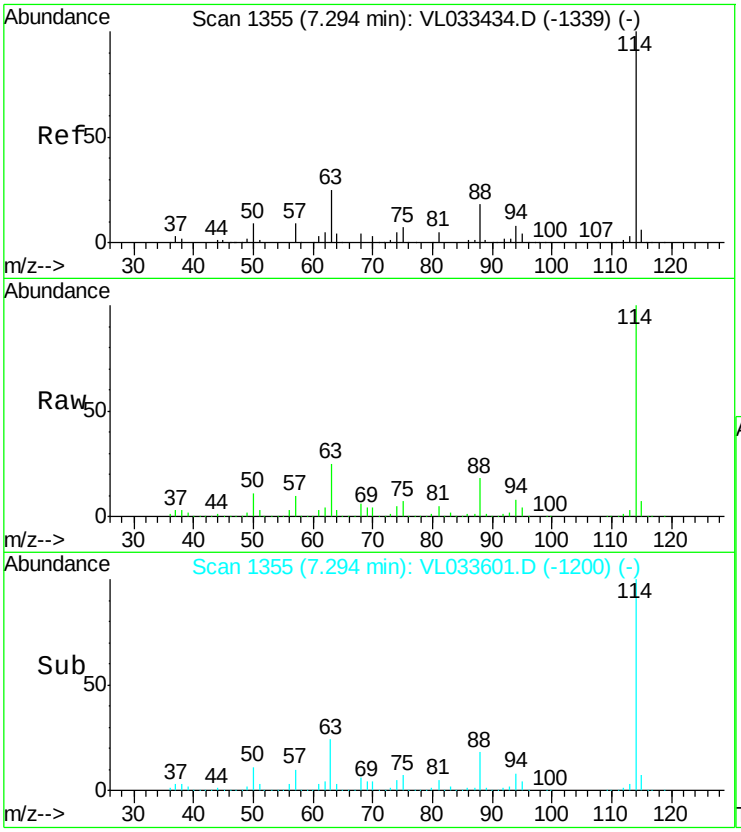


#32
1,1,1-Trichloroethane
Concen: 9.395 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 97 Resp: 1295679

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	47.8	38.8	58.2



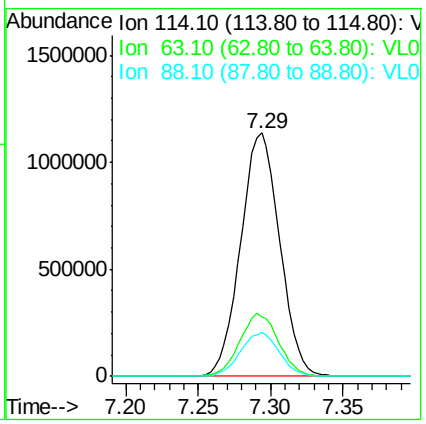


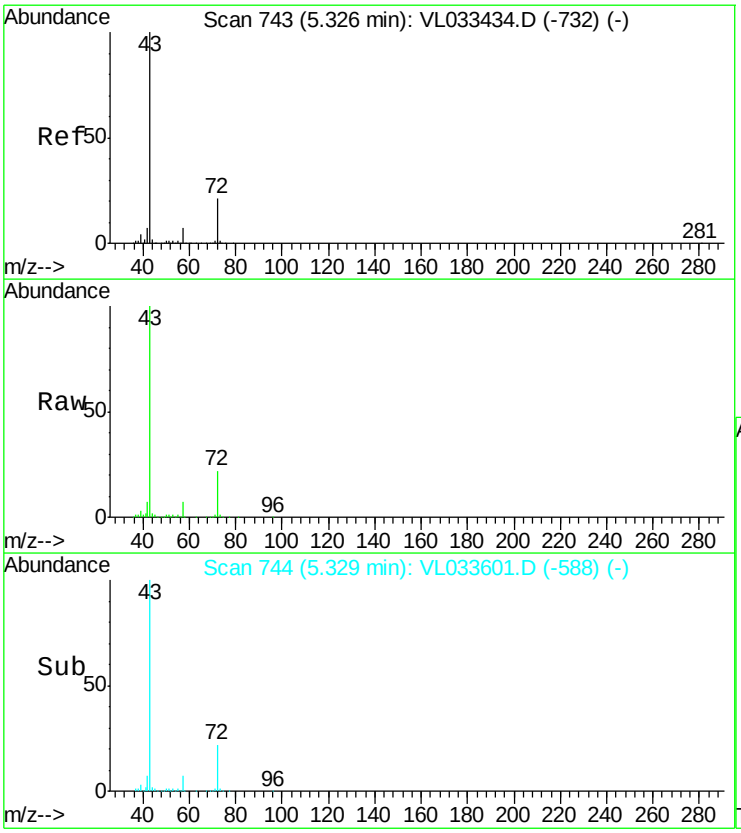
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:114 Resp: 2137910

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.5	32.3
88	17.9	14.5	21.7

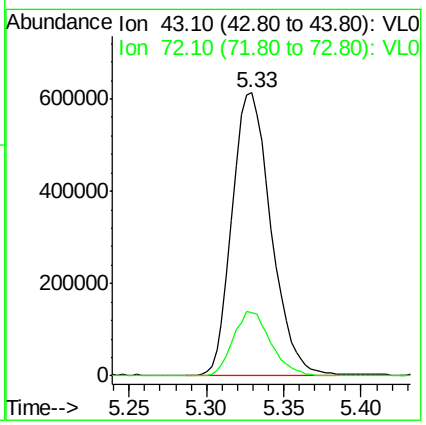


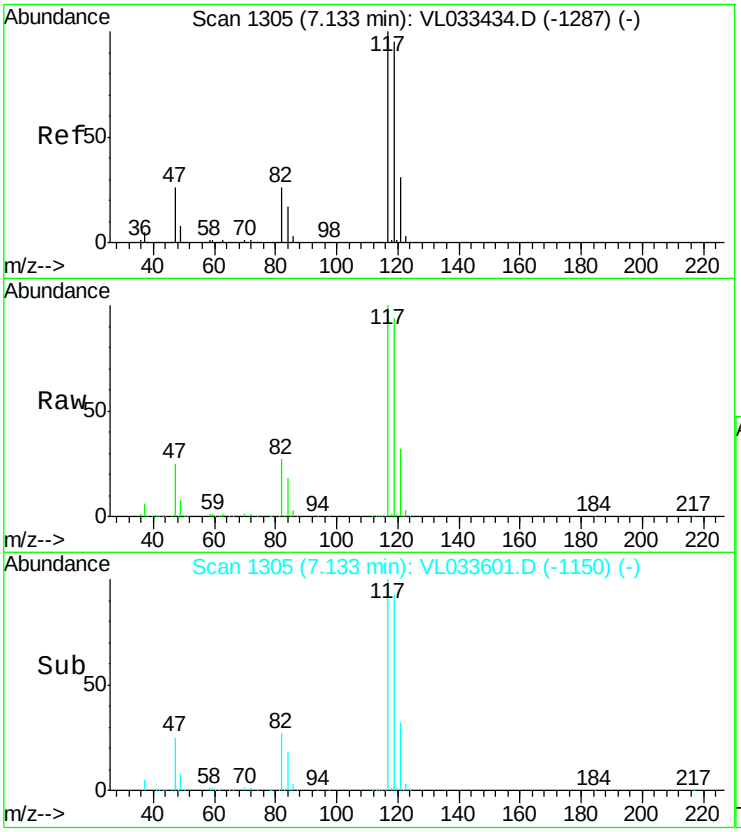


#34
2-Butanone
Concen: 8.347 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 43 Resp: 1072087

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.4	26.2



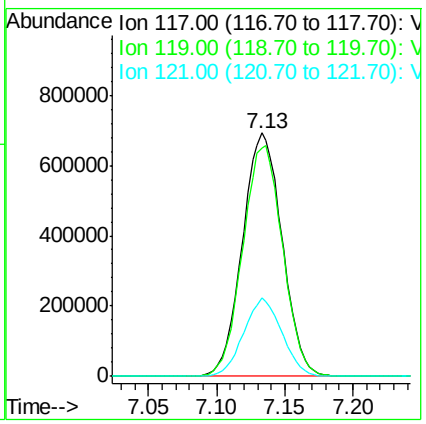


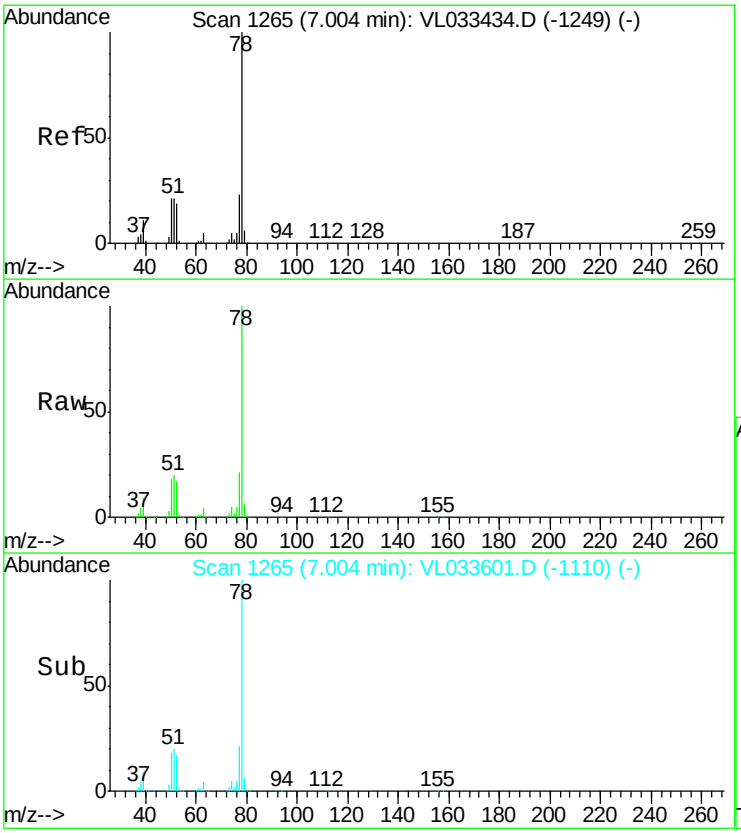
#35
Carbon Tetrachloride
Concen: 9.232 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:117 Resp: 1397897

Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.8	113.8
121	32.1	24.7	37.1

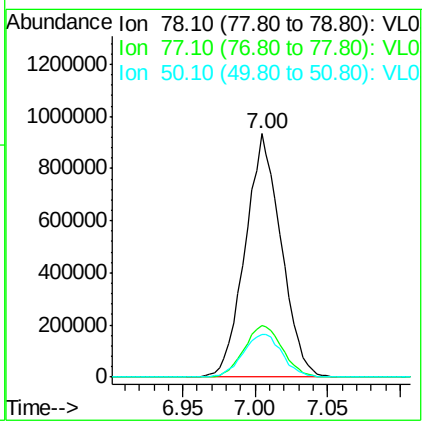


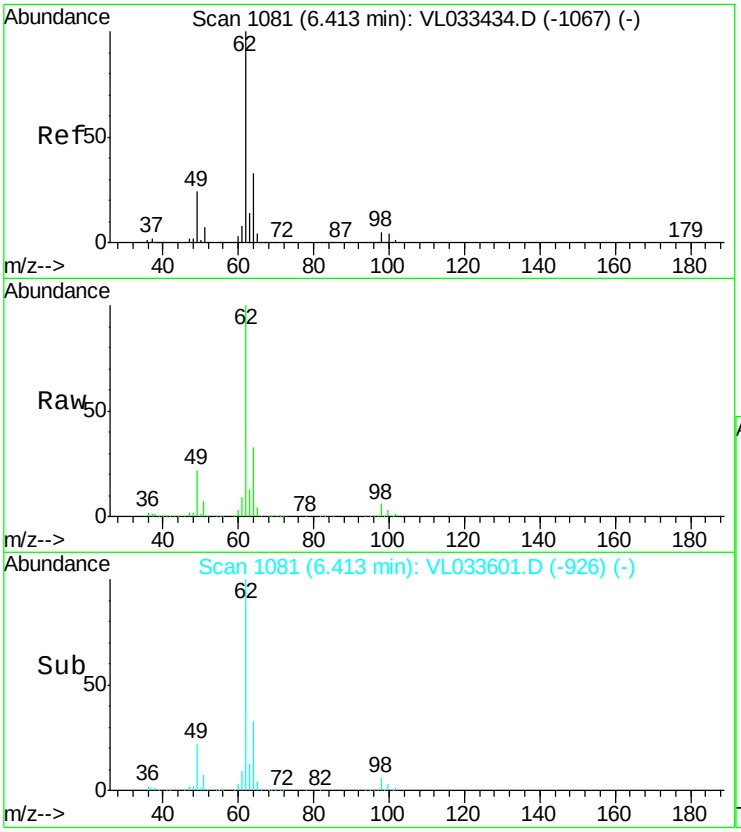


#36
Benzene
Concen: 8.983 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 78 Resp: 1611404

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.1	27.1
50	17.7	16.7	25.1

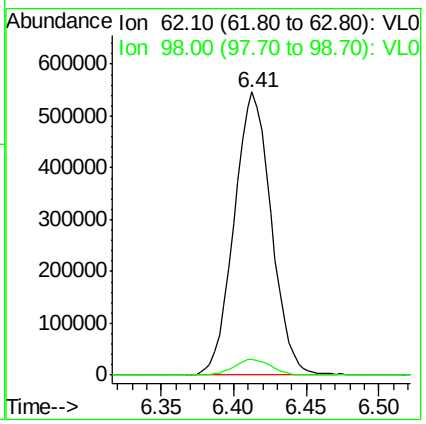




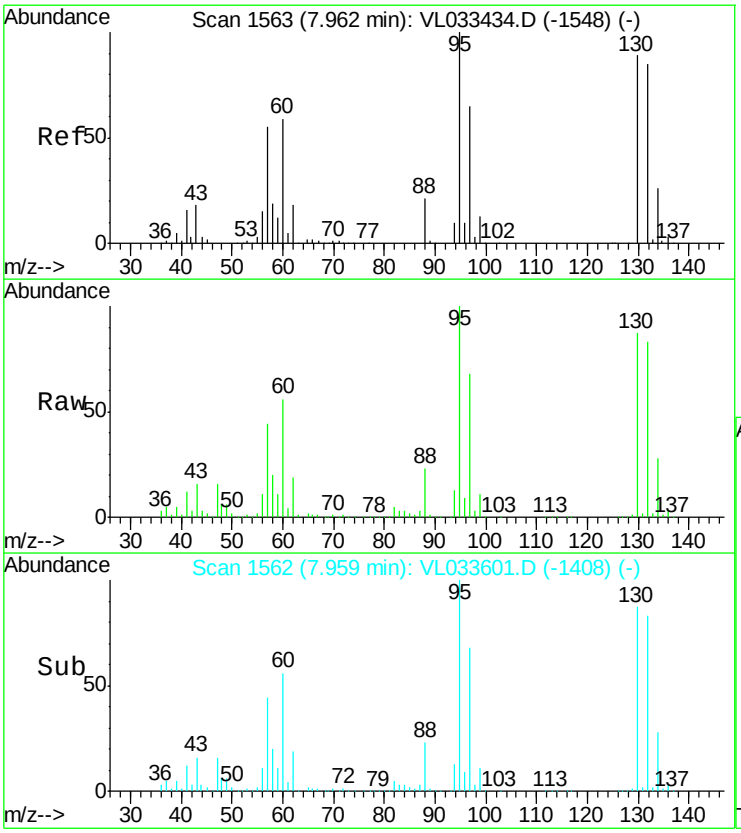
#37
1,2-Dichloroethane
Concen: 8.093 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 62 Resp: 973137

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6



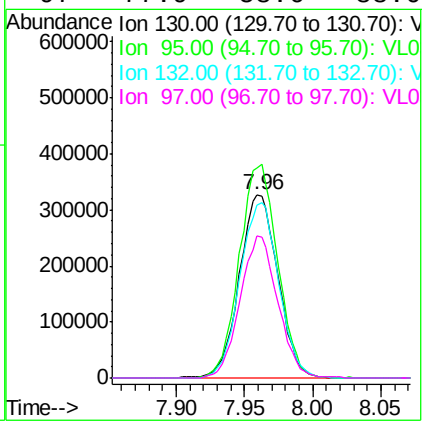
Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

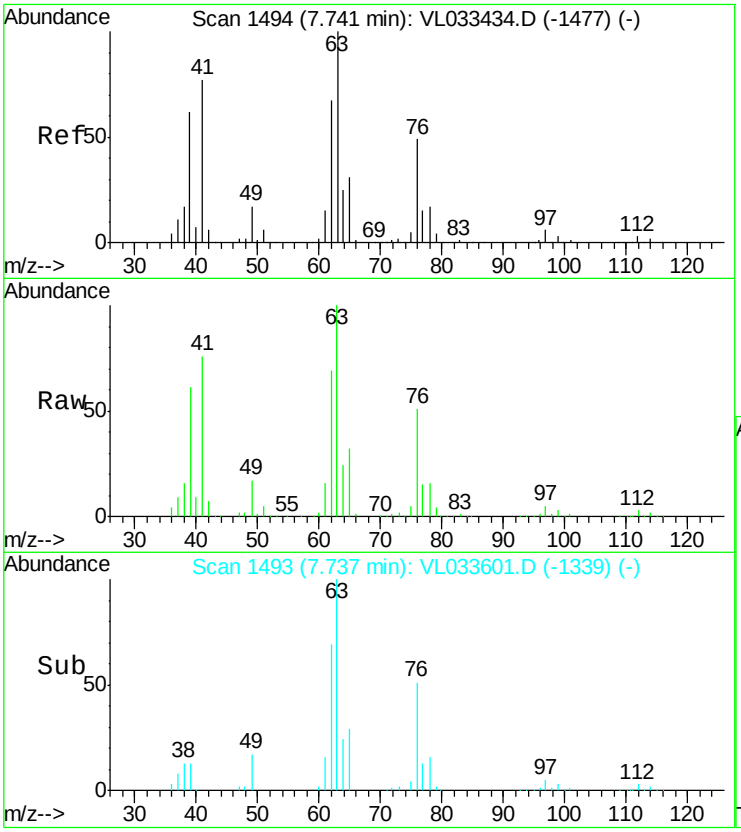


#38
Trichloroethene
Concen: 9.449 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:130 Resp: 637883

Ion	Ratio	Lower	Upper
130	100		
95	114.6	89.8	134.8
132	94.7	76.6	115.0
97	77.9	58.6	88.0



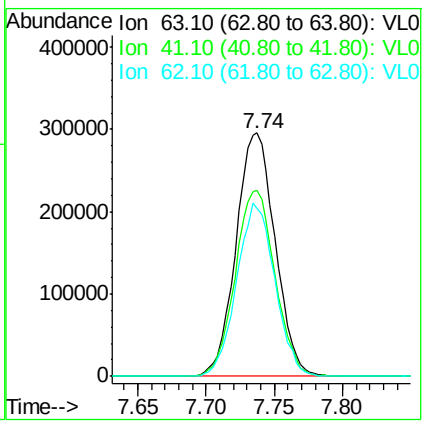


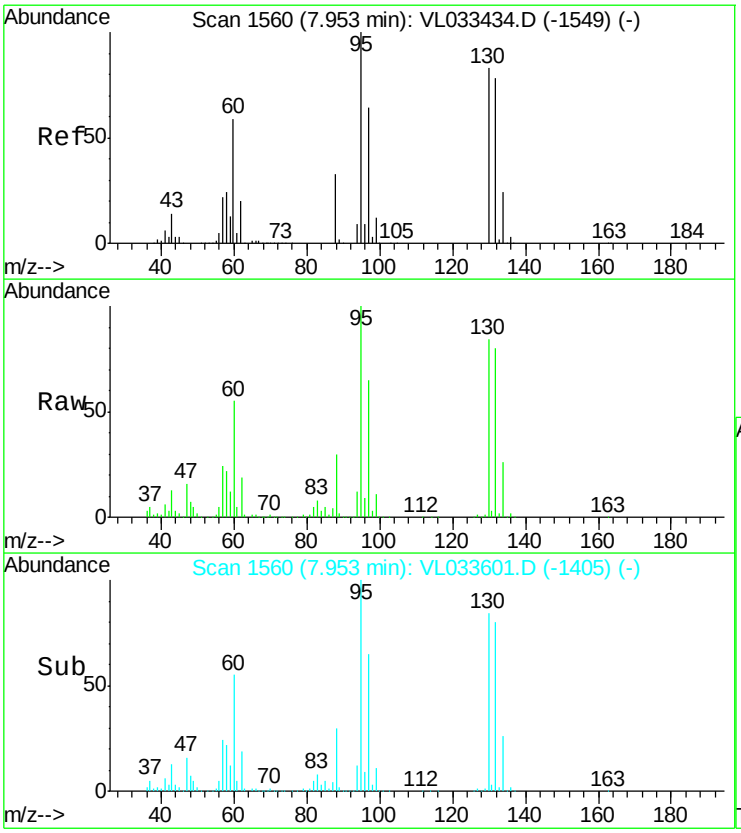
#39
1,2-Dichloropropane
Concen: 8.369 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 63 Resp: 588108

Ion	Ratio	Lower	Upper
63	100		
41	76.3	61.2	91.8
62	69.1	54.0	81.0

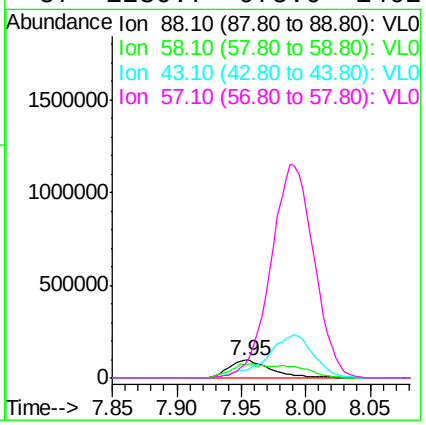


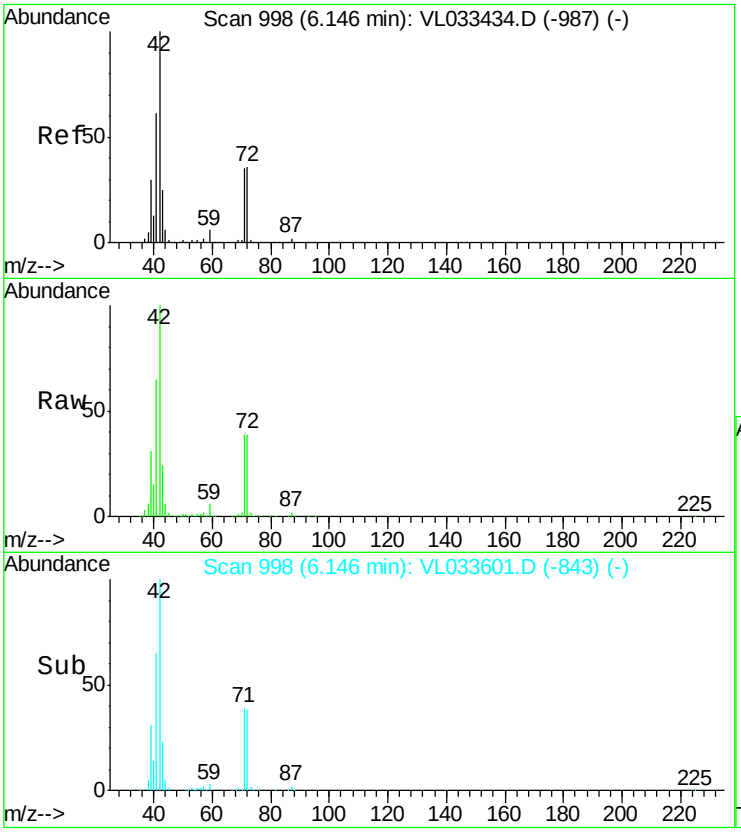


#40
1,4-Dioxane
Concen: 8.691 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 88 Resp: 217828

Ion	Ratio	Lower	Upper
88	100		
58	129.9	105.6	158.4
43	273.1	216.7	325.1
57	1230.7	975.0	1462.4



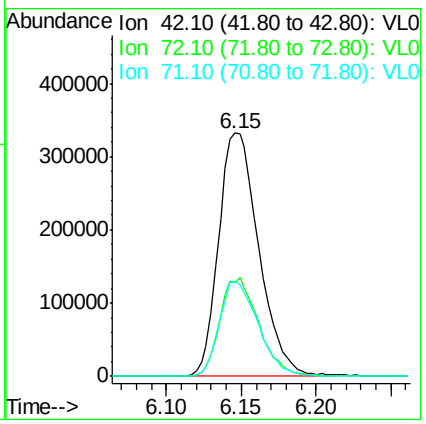


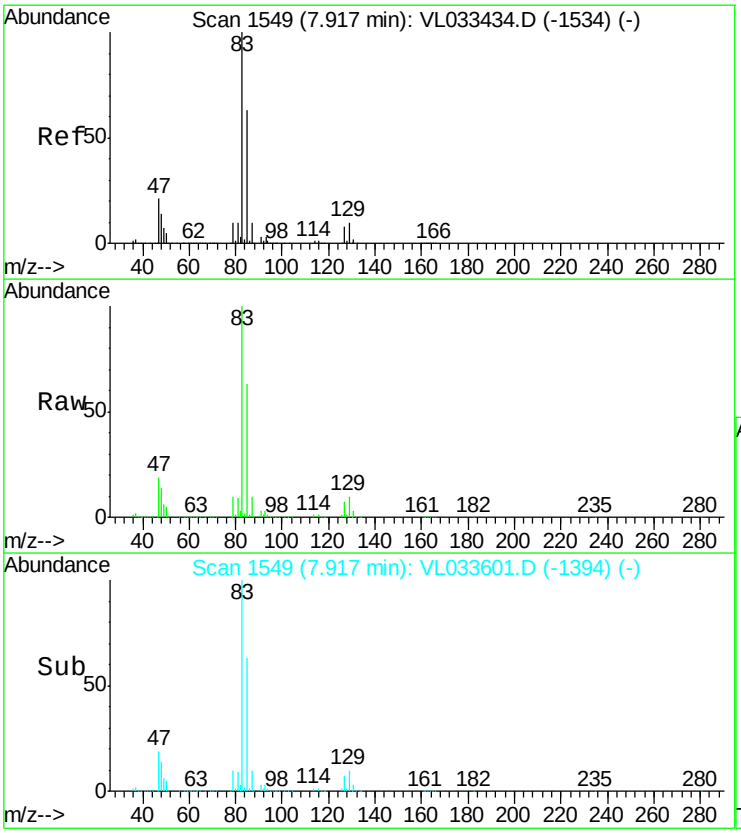
#41
Tetrahydrofuran
Concen: 8.777 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 42 Resp: 620084

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

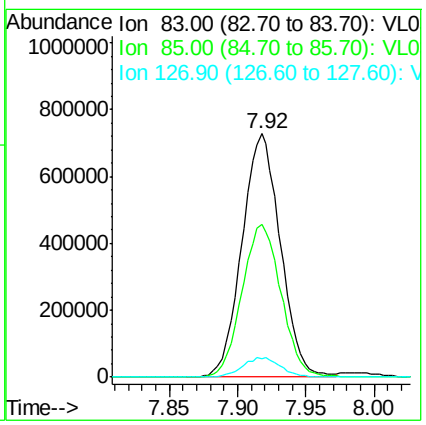


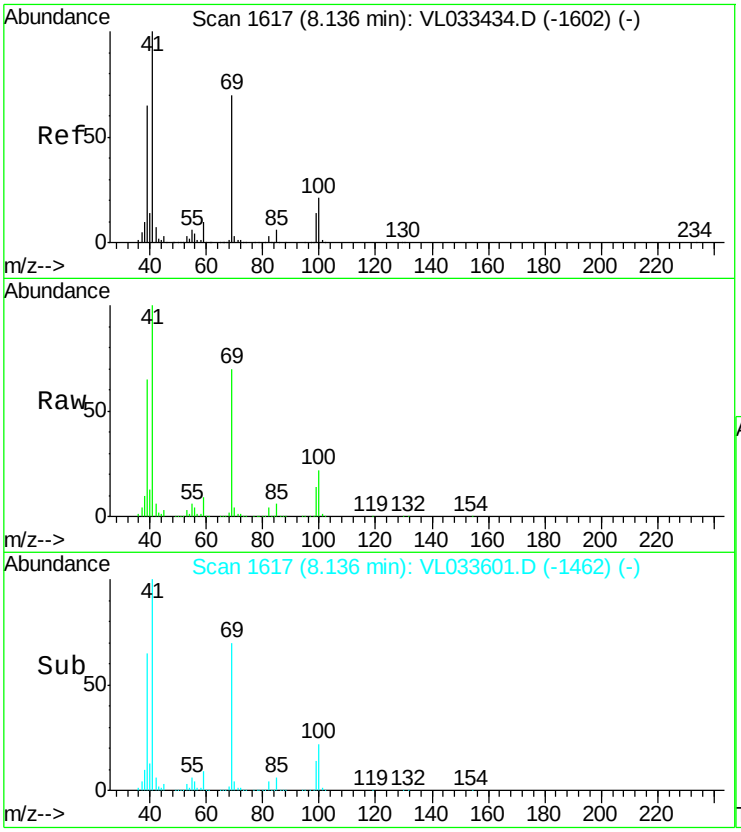


#42
Bromodichloromethane
Concen: 8.695 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 83 Resp: 1424014

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1
127	7.4	6.6	9.8



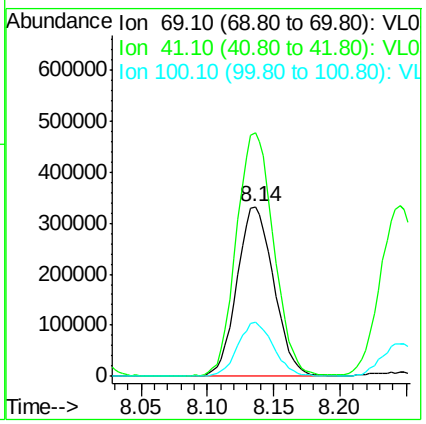


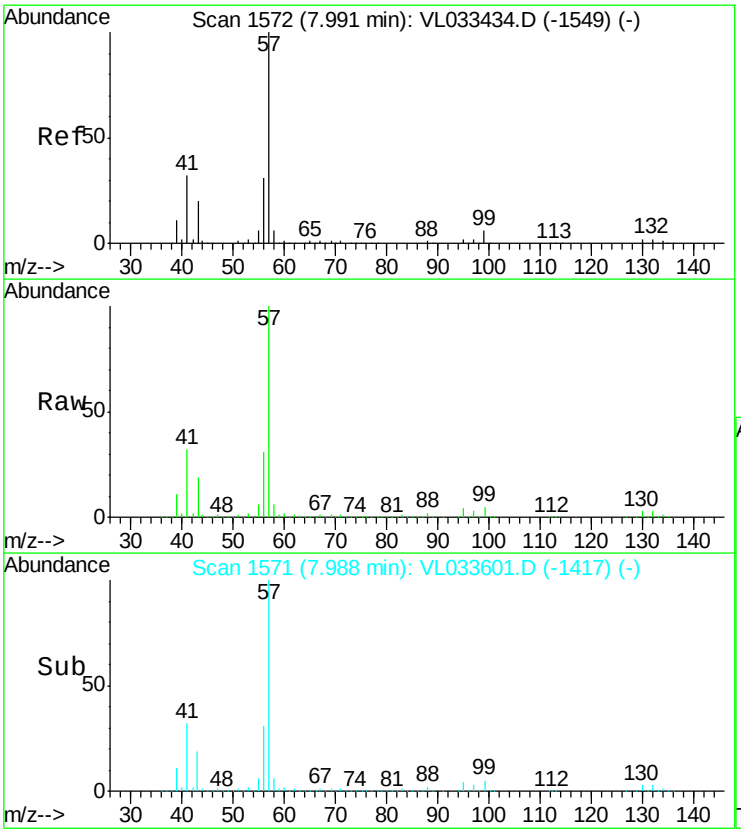
#43
Methyl Methacrylate
Concen: 8.811 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 69 Resp: 641779

Ion	Ratio	Lower	Upper
69	100		
41	145.5	116.6	174.8
100	31.0	24.4	36.6

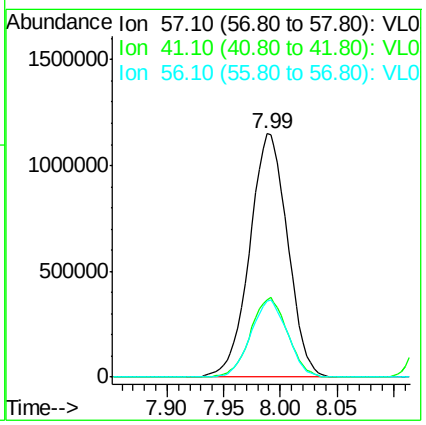


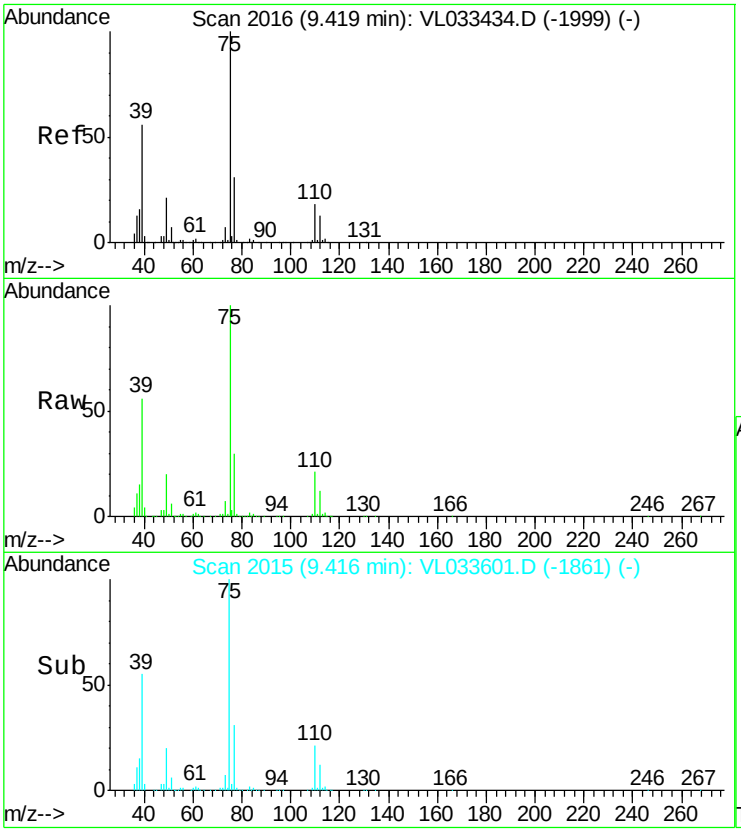


#44
2,2,4-Trimethylpentane
Concen: 8.540 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 57 Resp: 2677163

Ion	Ratio	Lower	Upper
57	100		
41	32.0	26.0	39.0
56	30.8	24.6	37.0



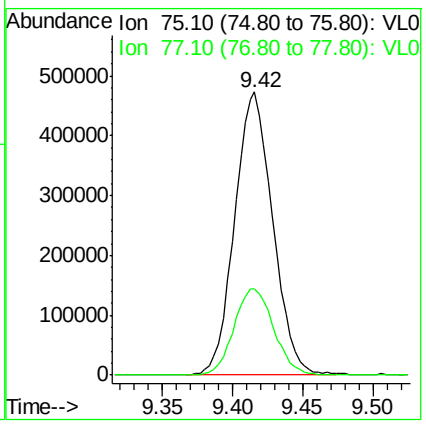


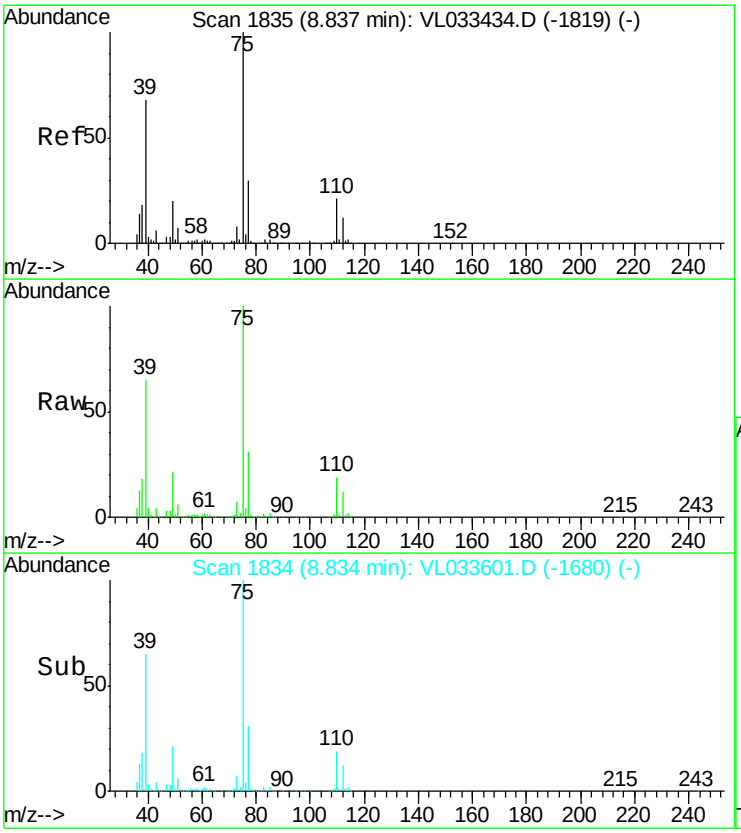
#45
t-1,3-Dichloropropene
Concen: 9.967 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 75 Resp: 891365

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.5	36.7

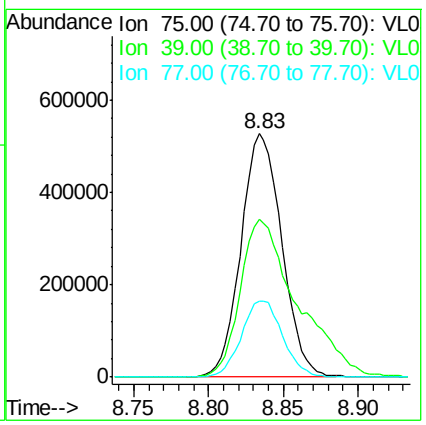


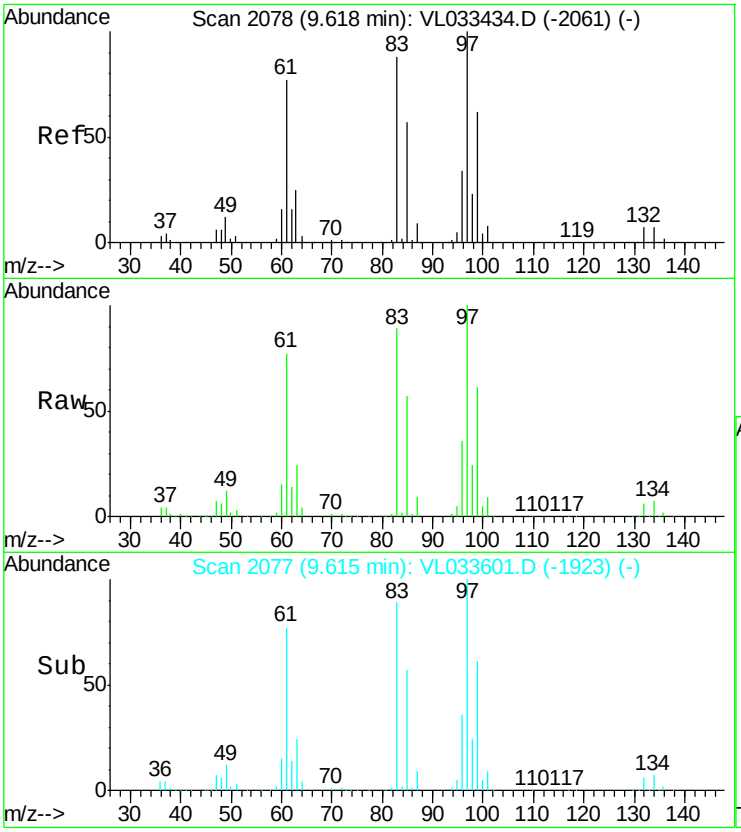


#46
cis-1,3-Dichloropropene
Concen: 9.593 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 75 Resp: 1001798

Ion	Ratio	Lower	Upper
75	100		
39	64.9	54.1	81.1
77	31.3	23.9	35.9



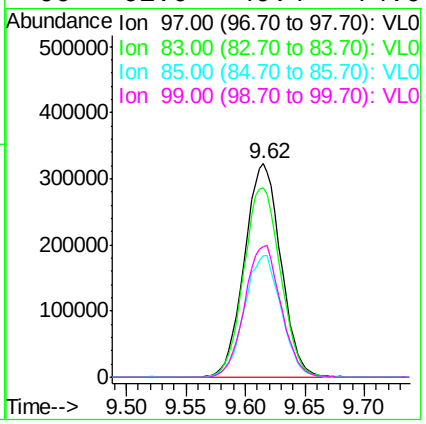


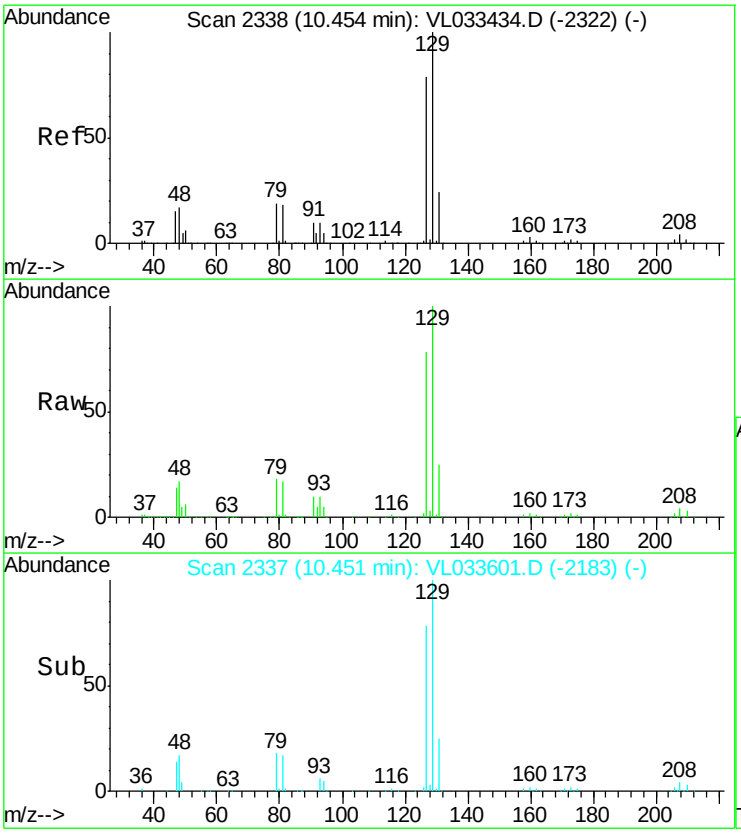
#47
1,1,2-Trichloroethane
Concen: 8.577 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 97 Resp: 684383

Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	57.1	45.6	68.4
99	61.0	49.4	74.0

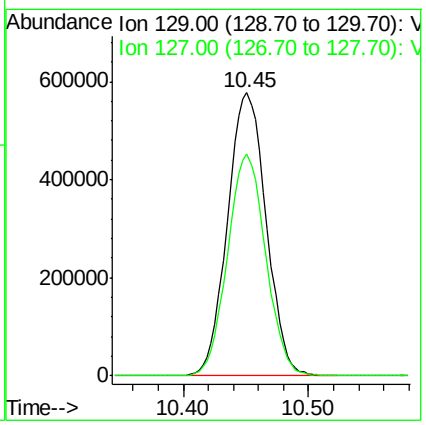


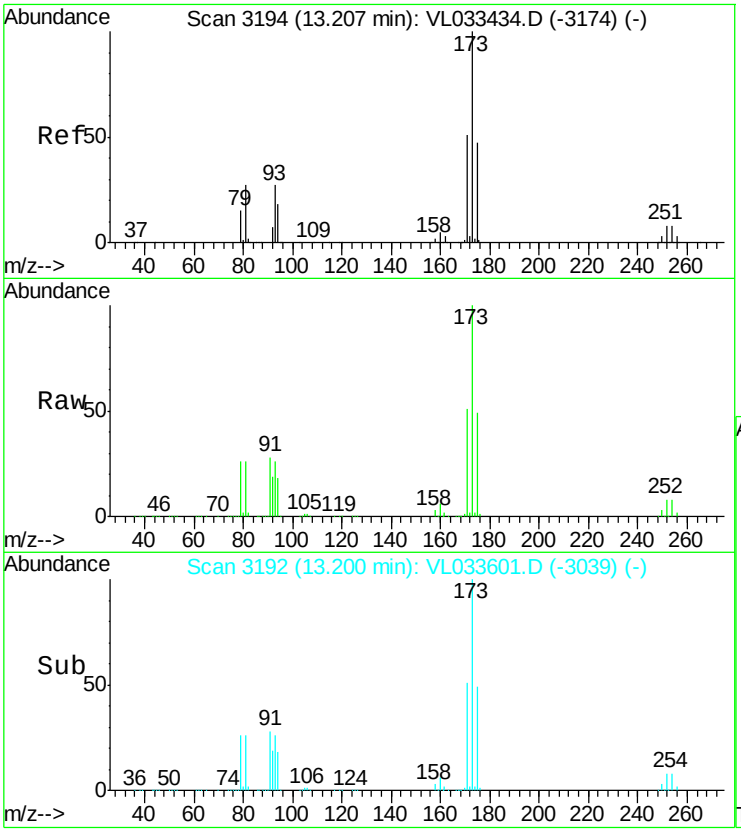


#48
Dibromochloromethane
Concen: 9.198 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:129 Resp: 1237978

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2



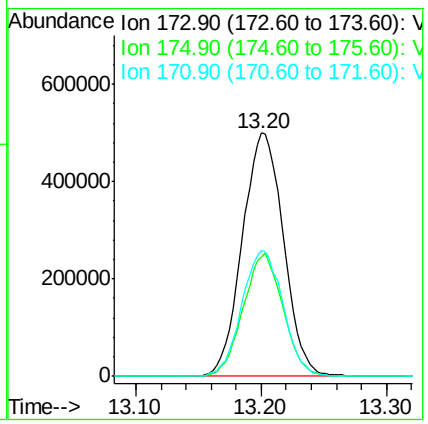


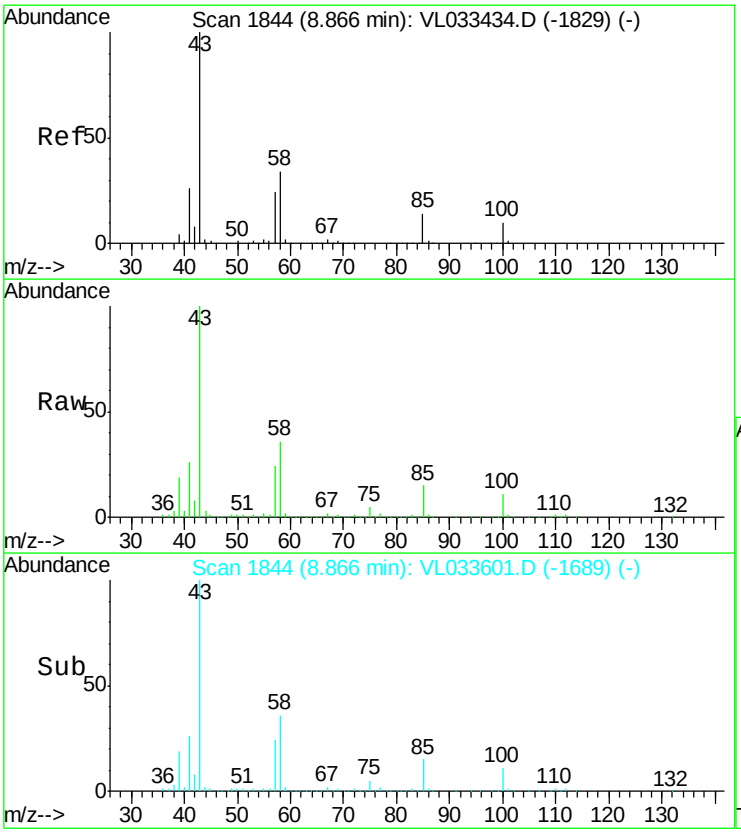
#49
Bromoform
Concen: 8.882 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:173 Resp: 1142050

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.3	58.9
171	51.9	41.2	61.8

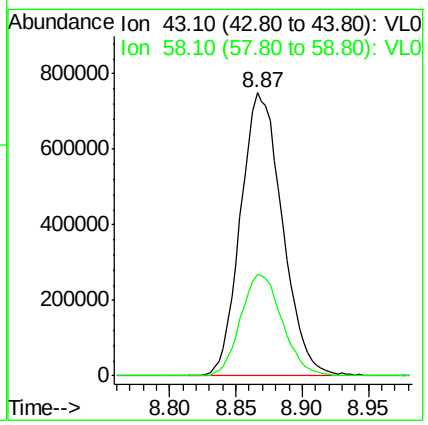


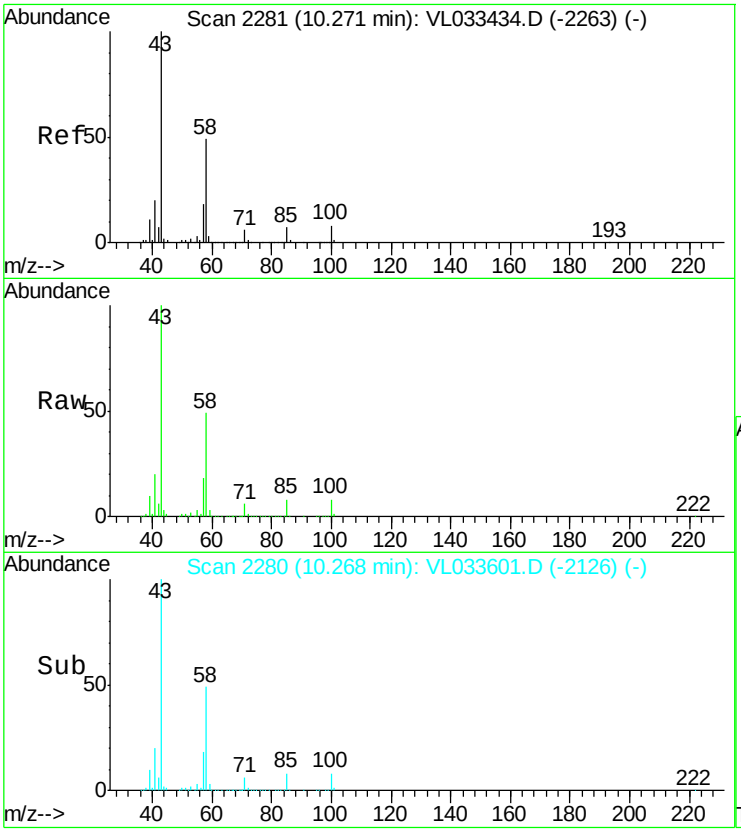


#50
4-Methyl-2-Pentanone
Concen: 8.715 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 43 Resp: 1639233

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.0	42.0



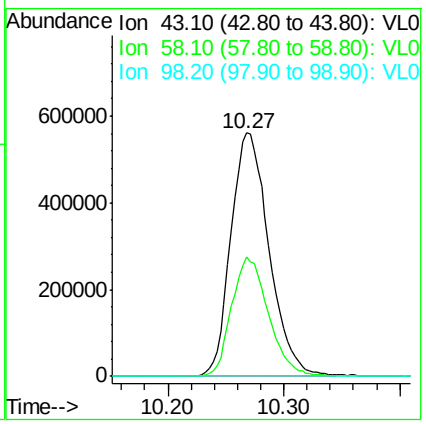


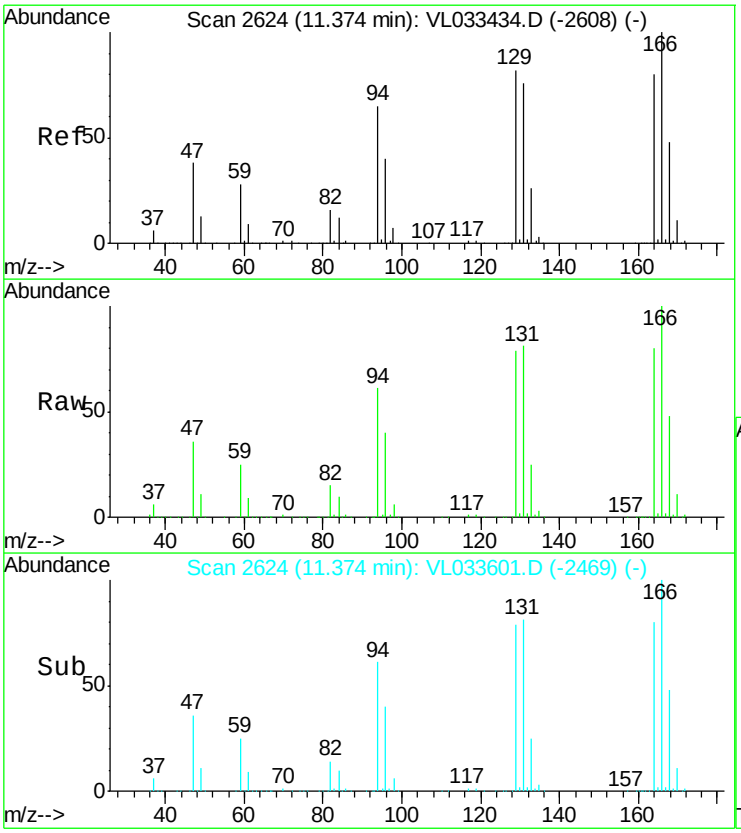
#51
2-Hexanone
Concen: 9.138 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 43 Resp: 1282115

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.2
98	0.4	0.2	0.2#

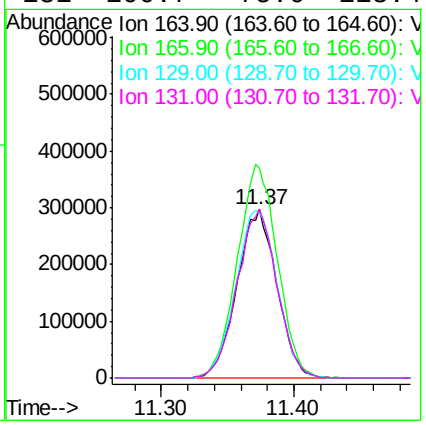


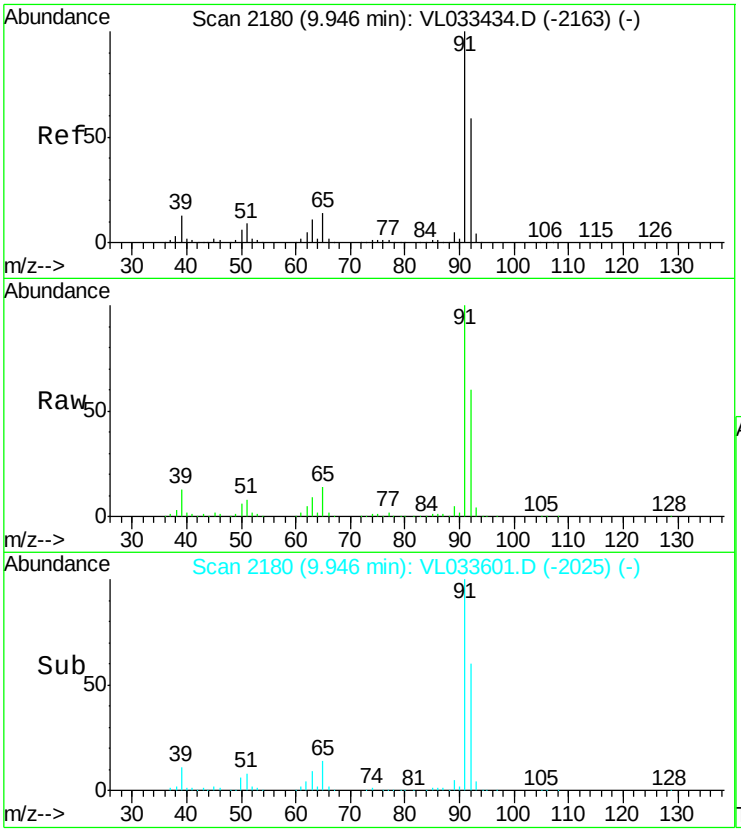


#52
Tetrachloroethene
Concen: 9.172 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:164 Resp: 620796

Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.5	149.3
129	97.8	81.4	122.2
131	100.7	75.6	113.4



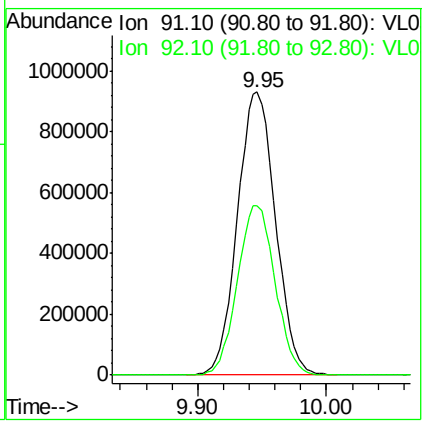


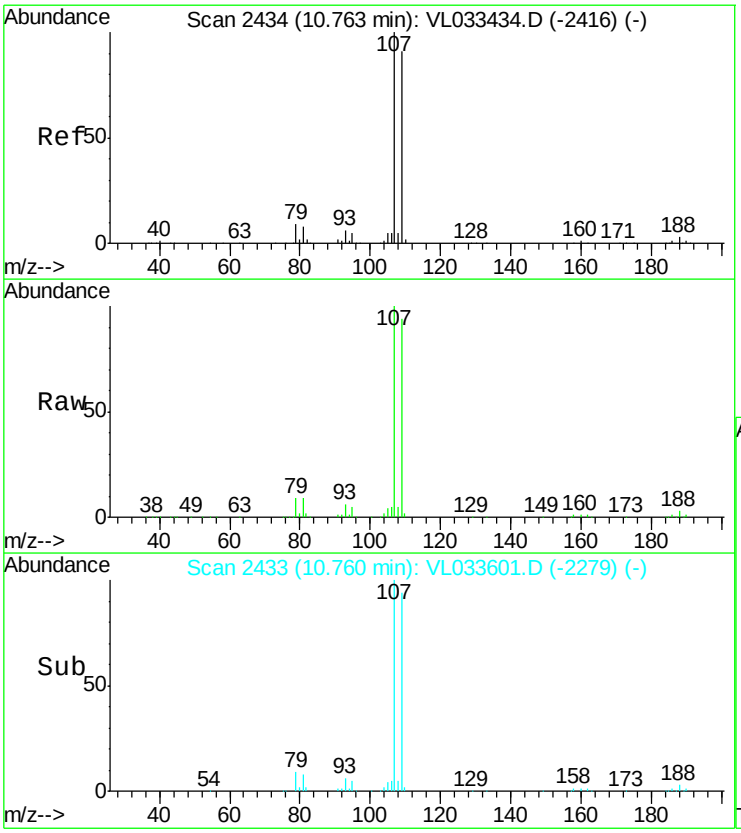
#53
Toluene
Concen: 9.189 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion: 91 Resp: 1915506

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.4	71.0

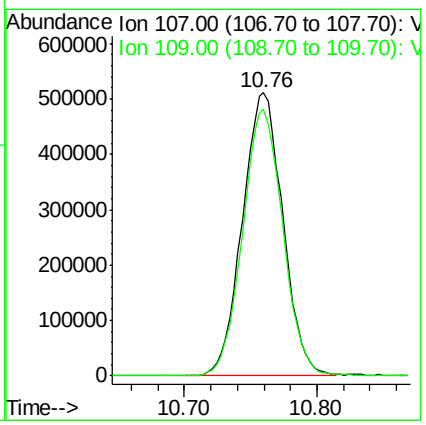


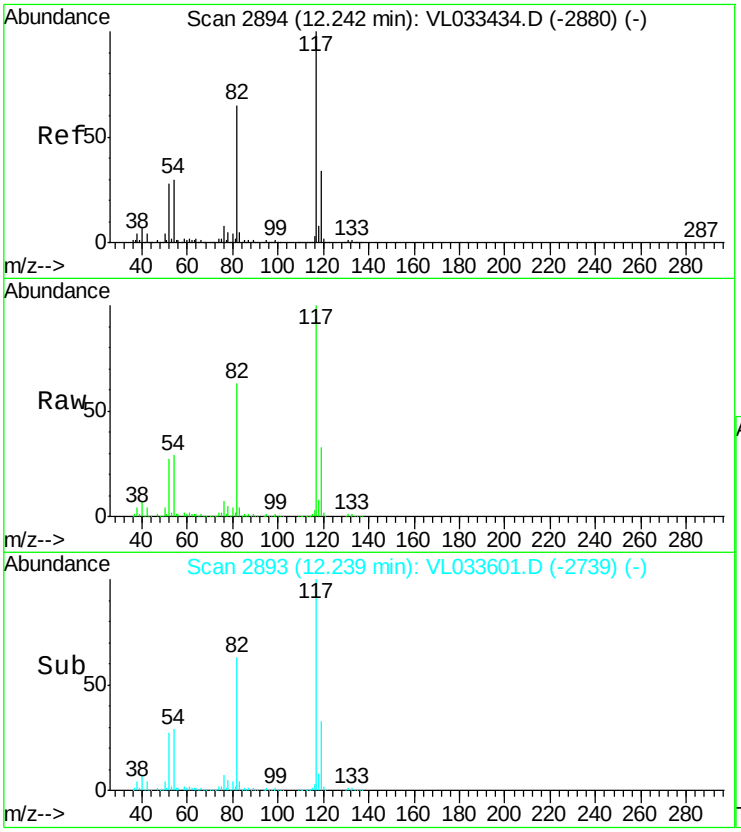


#54
1,2-Dibromoethane
Concen: 8.696 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:107 Resp: 1085345

Ion	Ratio	Lower	Upper
107	100		
109	94.3	72.7	109.1



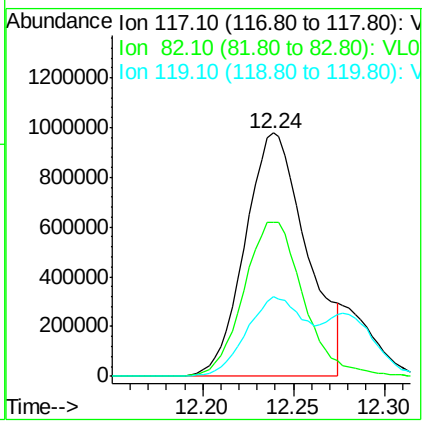


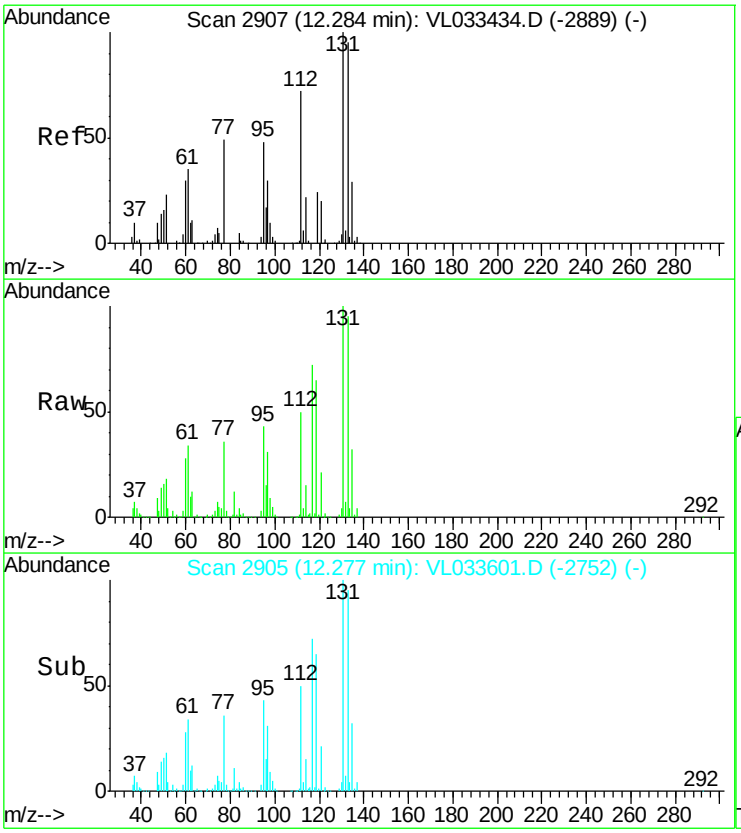
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:117 Resp: 2300845

Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.5	77.3
119	30.6	25.5	38.3

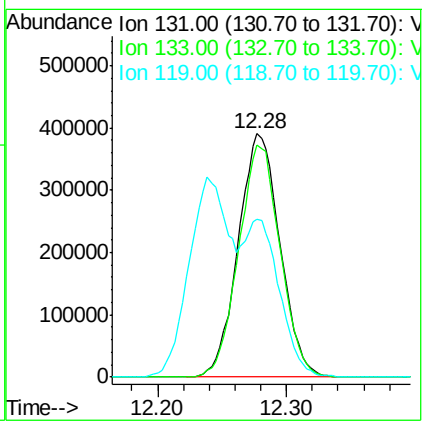


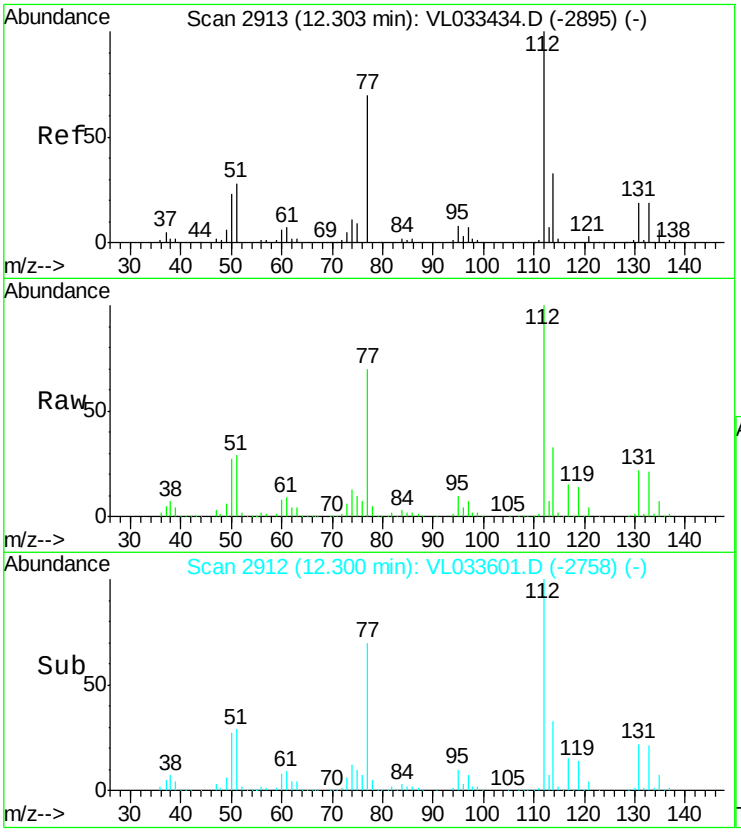


#56
1,1,1,2-Tetrachloroethane
Concen: 8.329 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:131 Resp: 878284

Ion	Ratio	Lower	Upper
131	100		
133	95.1	76.2	114.4
119	53.1	45.0	67.6



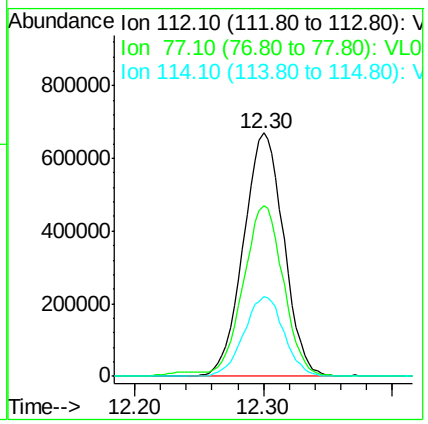


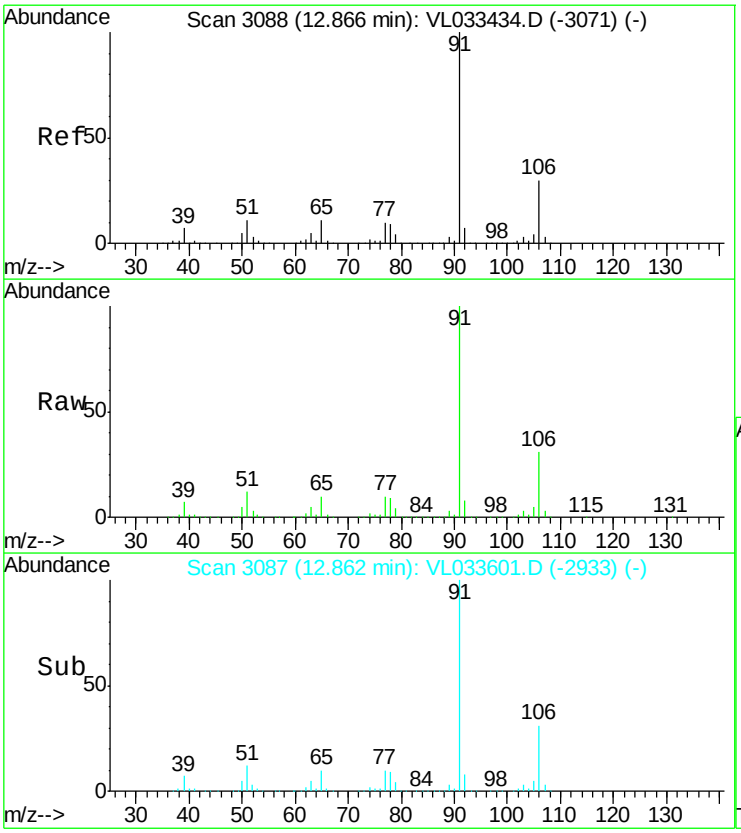
#57
Chlorobenzene
Concen: 8.148 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion:112 Resp: 1455694

Ion	Ratio	Lower	Upper
112	100		
77	69.7	57.3	85.9
114	32.6	29.8	36.4

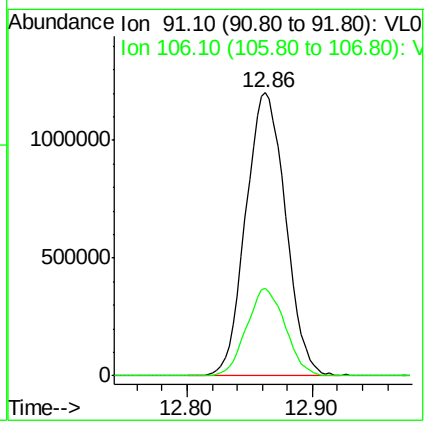


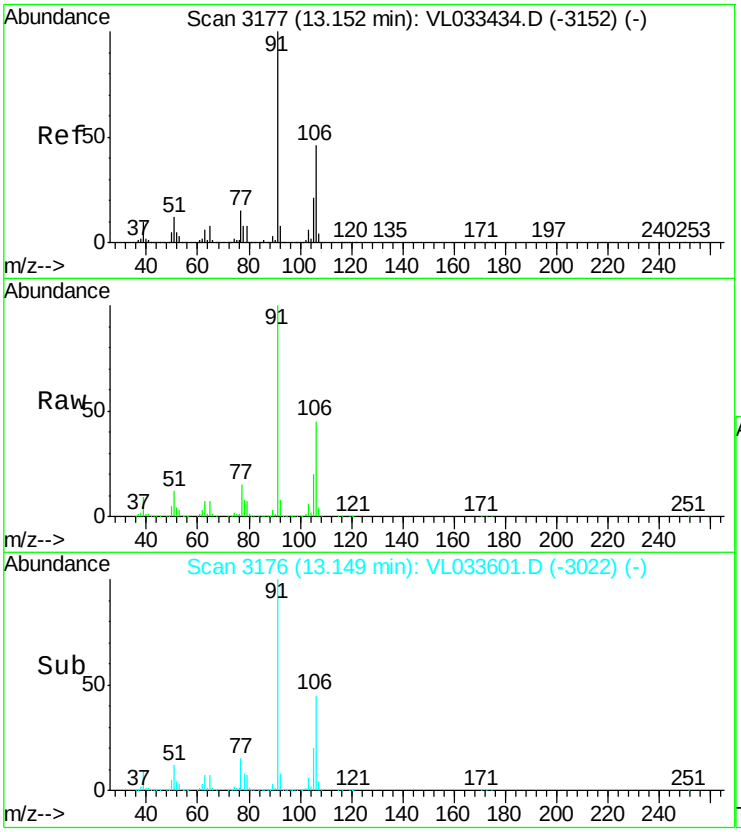


#58
Ethyl Benzene
Concen: 8.628 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 2650971

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.8	35.6



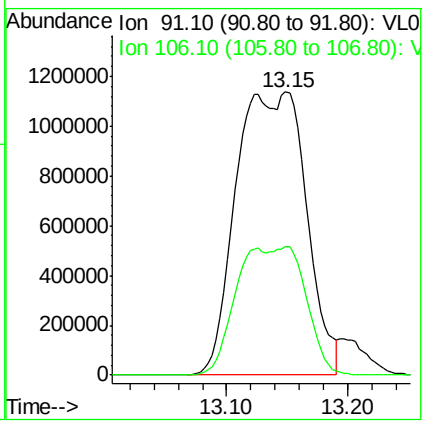


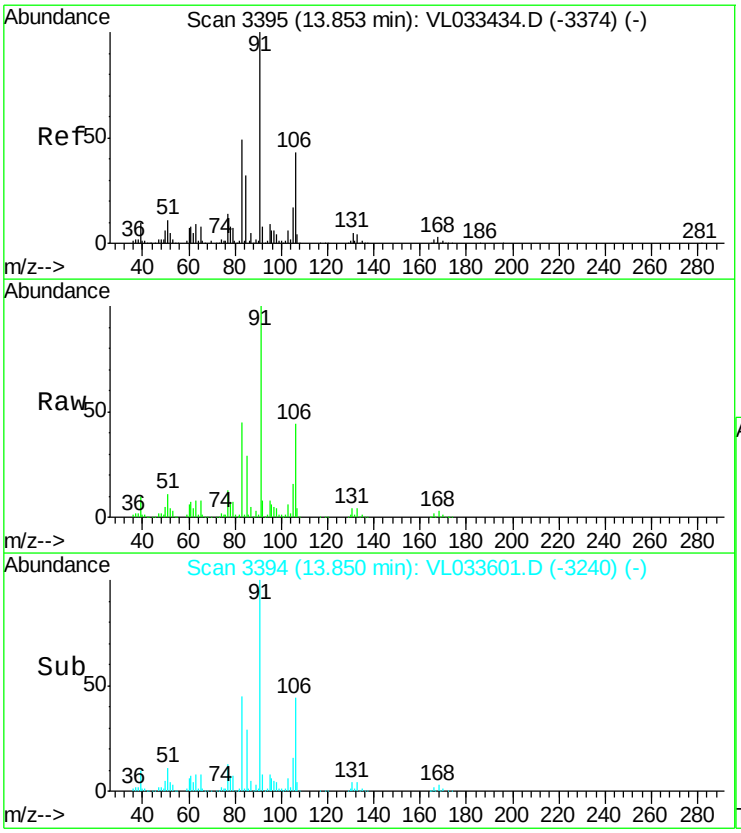
#59
m/p-Xylene
Concen: 16.607 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 91 Resp: 4557692

Ion	Ratio	Lower	Upper
91	100		
106	44.9	0.0	0.0#

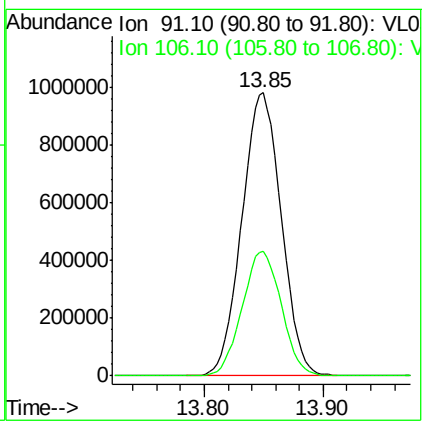


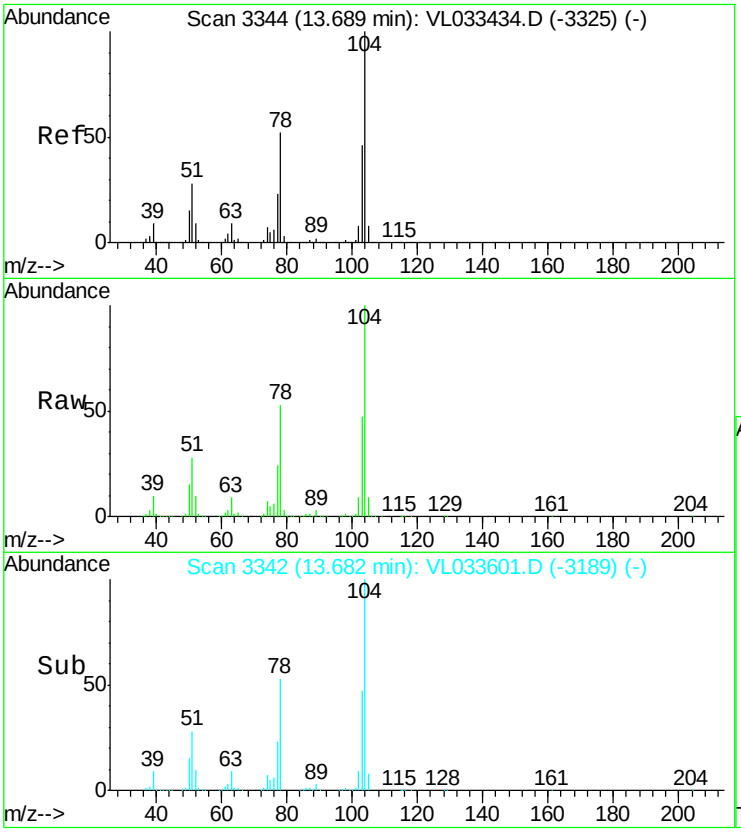


#60
o-Xylene
Concen: 8.475 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 2249191

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.4	64.3



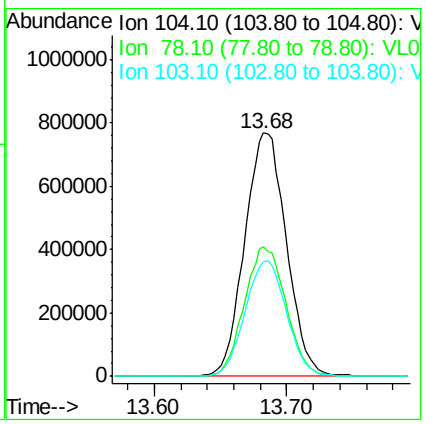


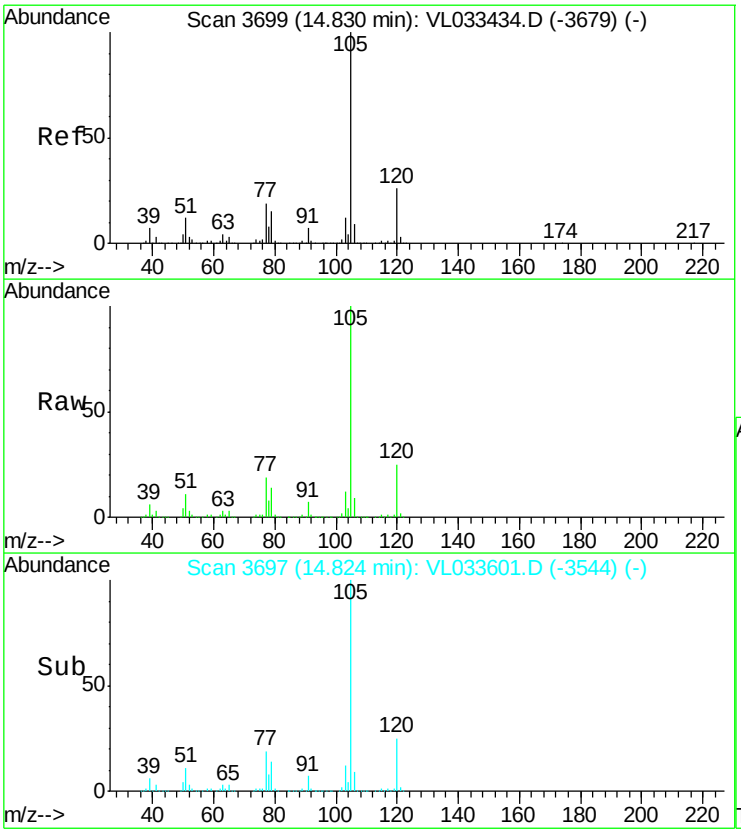
#61
Stvrene
Concen: 9.198 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:104 Resp: 1675387

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.2	64.8
103	47.4	37.8	56.8

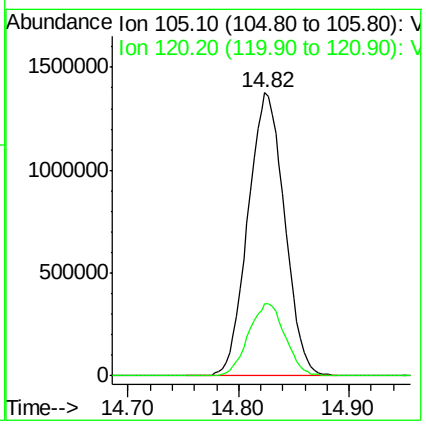


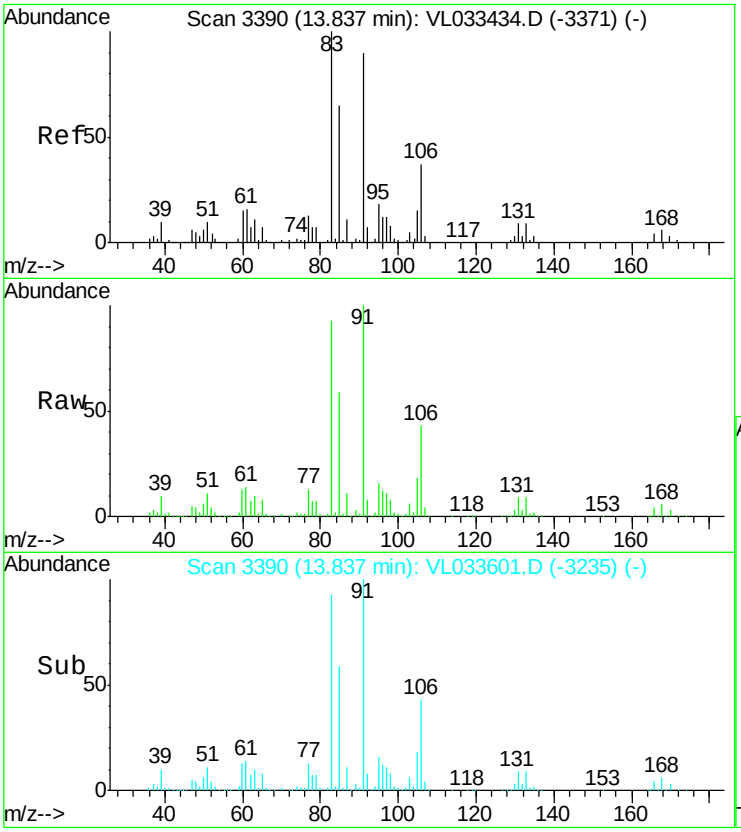


#62
Isopropylbenzene
Concen: 8.422 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:105 Resp: 3165172

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.2



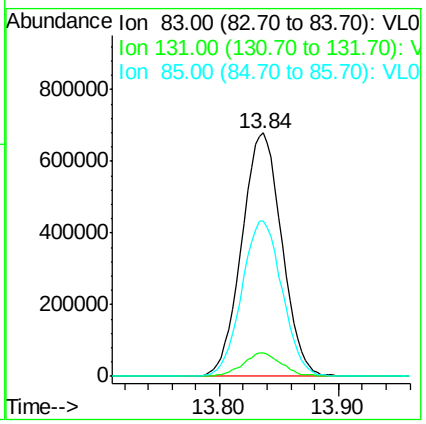


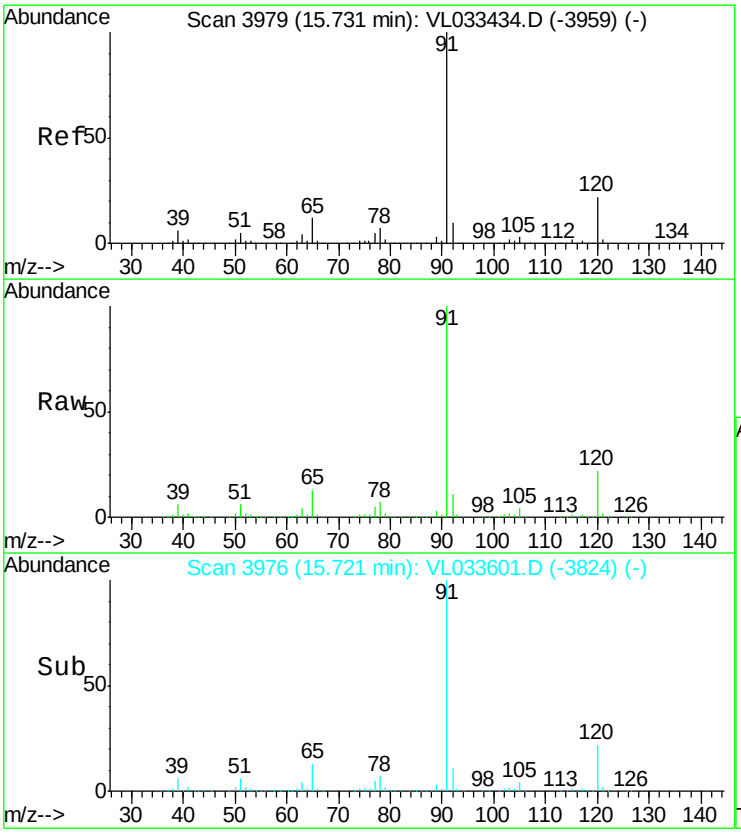
#63
1,1,2,2-Tetrachloroethane
Concen: 8.096 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 83 Resp: 1582139

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.3	32.7	98.1

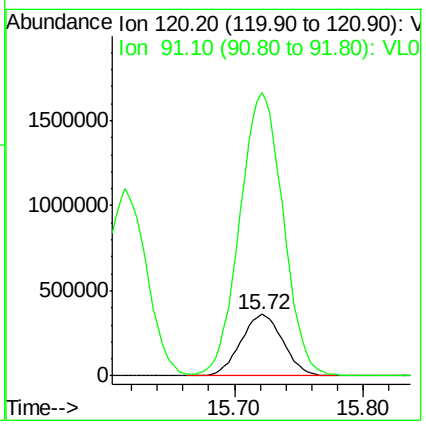


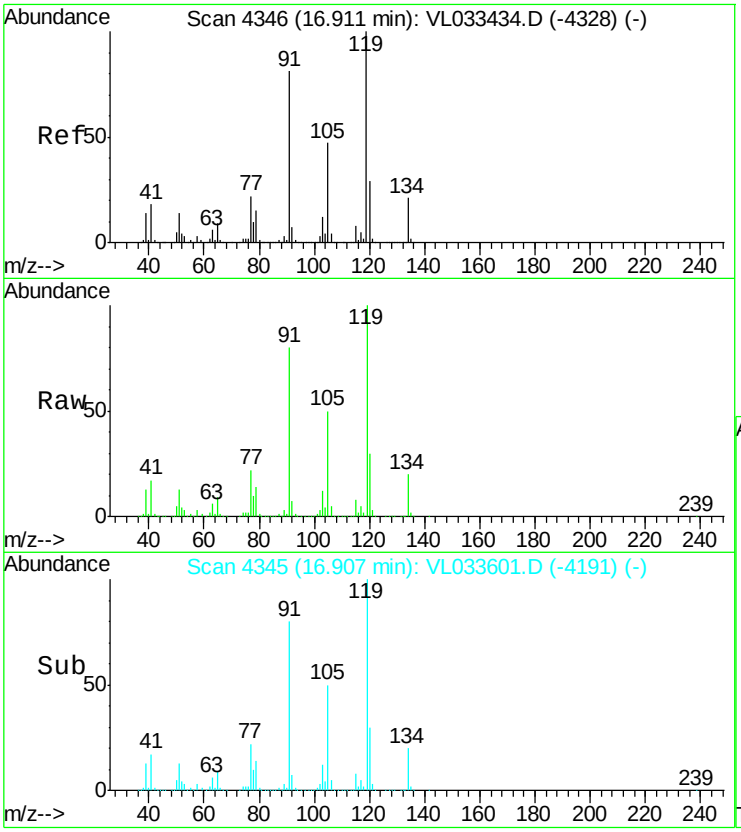


#64
n-propylbenzene
Concen: 8.653 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:120 Resp: 825160

Ion	Ratio	Lower	Upper
120	100		
91	472.0	387.4	581.2



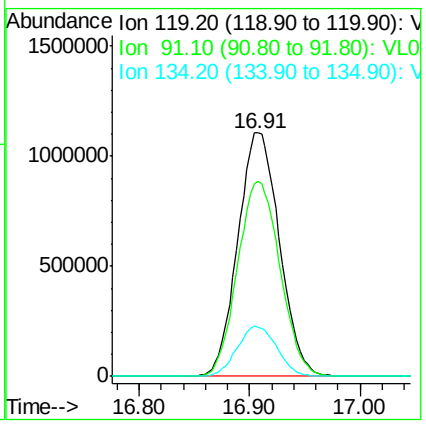


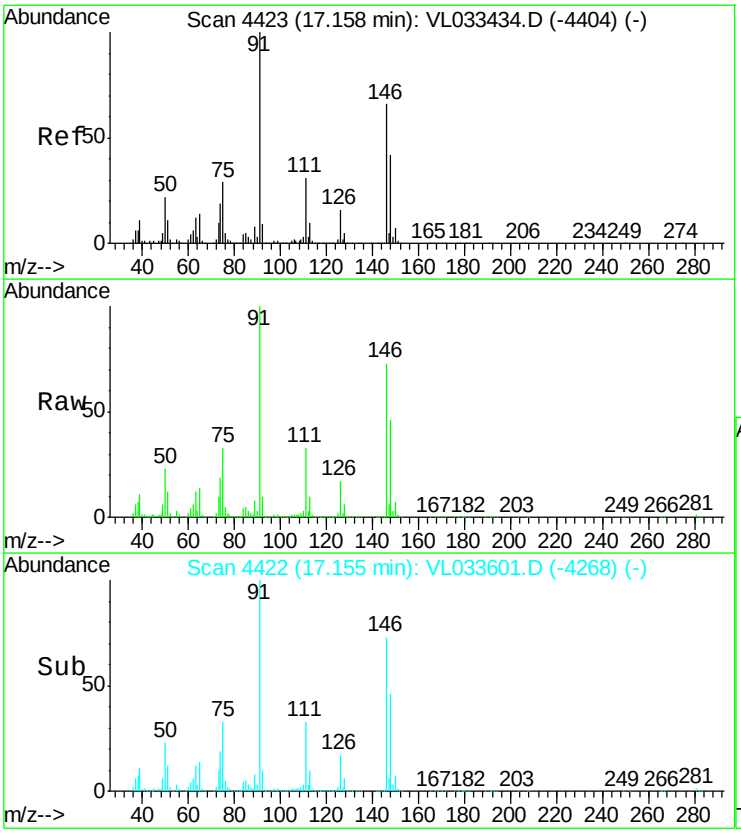
#65
tert-Butylbenzene
Concen: 8.726 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion:119 Resp: 2889686

Ion	Ratio	Lower	Upper
119	100		
91	81.7	66.4	99.6
134	19.6	15.5	23.3

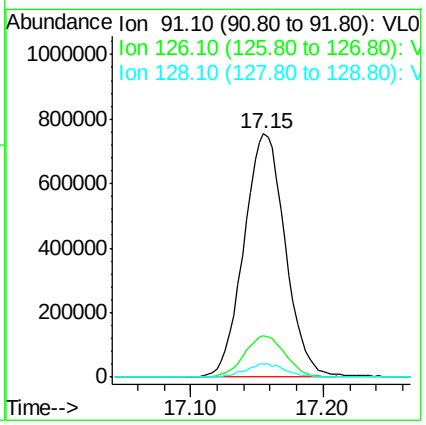


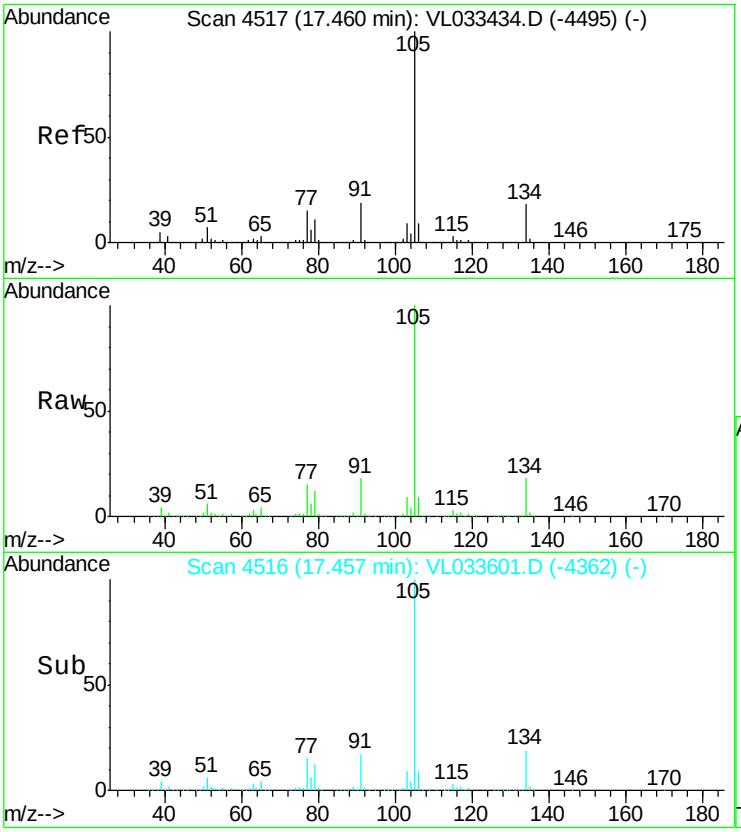


#66
Benzyl Chloride
Concen: 10.640 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 1638456

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.0	19.6
128	5.4	4.2	6.2



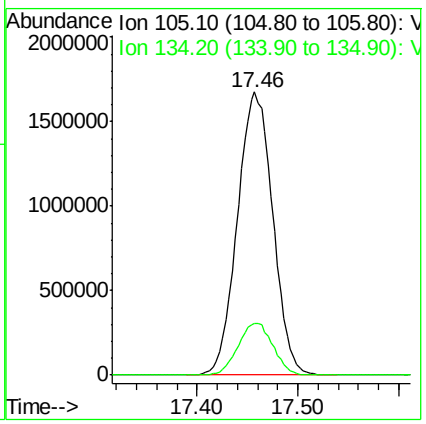


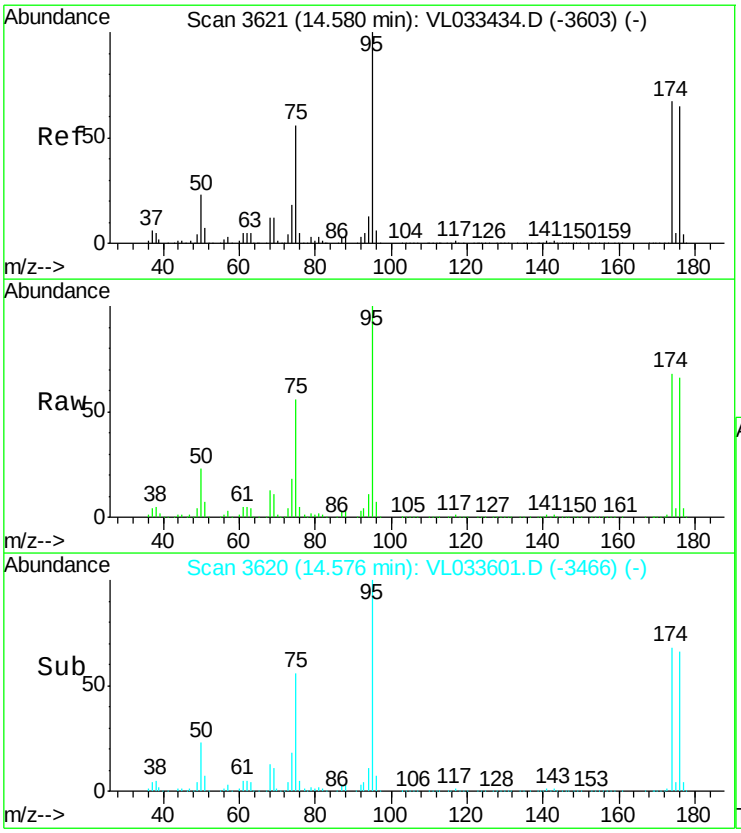
#67
sec-Butylbenzene
Concen: 8.640 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion:105 Resp: 4069304

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	21.8

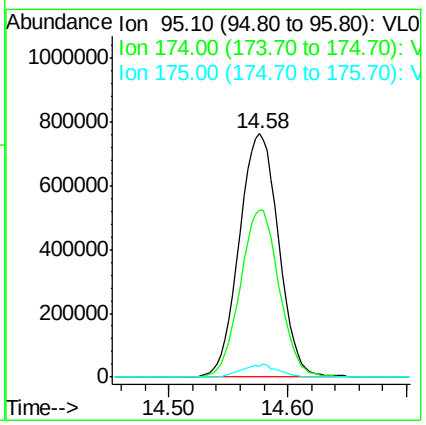


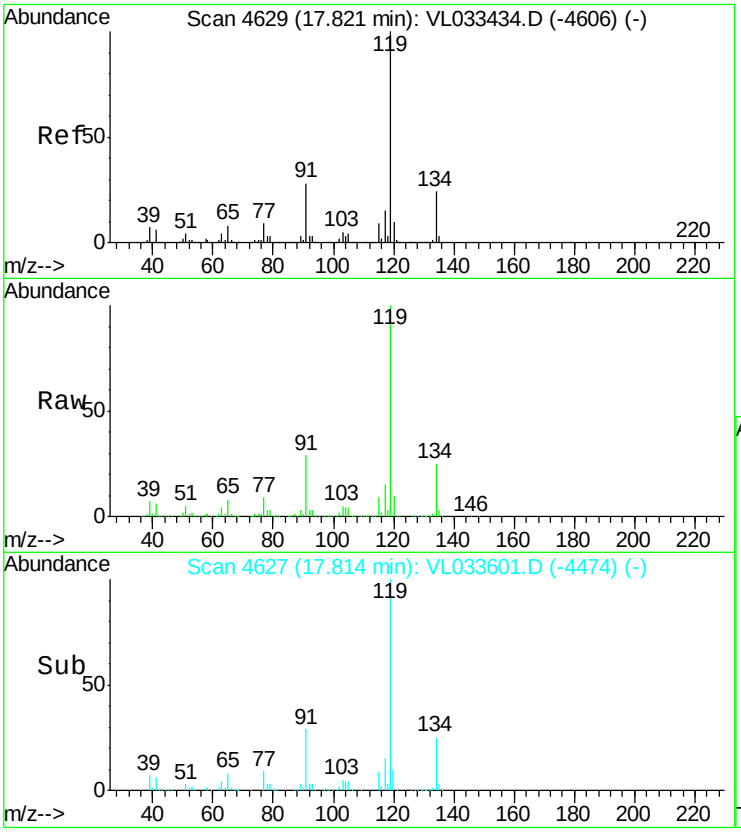


#68
1-Bromo-4-Fluorobenzene
Concen: 9.705 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 95 Resp: 1750587

Ion	Ratio	Lower	Upper
95	100		
174	67.8	52.9	79.3
175	4.8	3.8	5.6



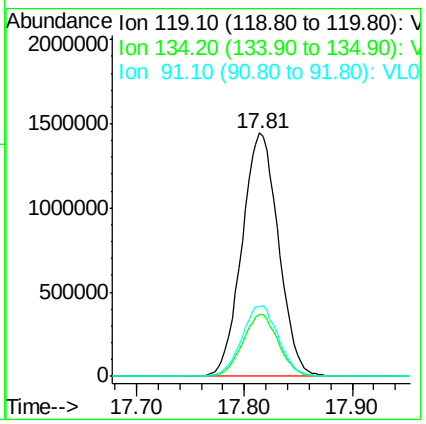


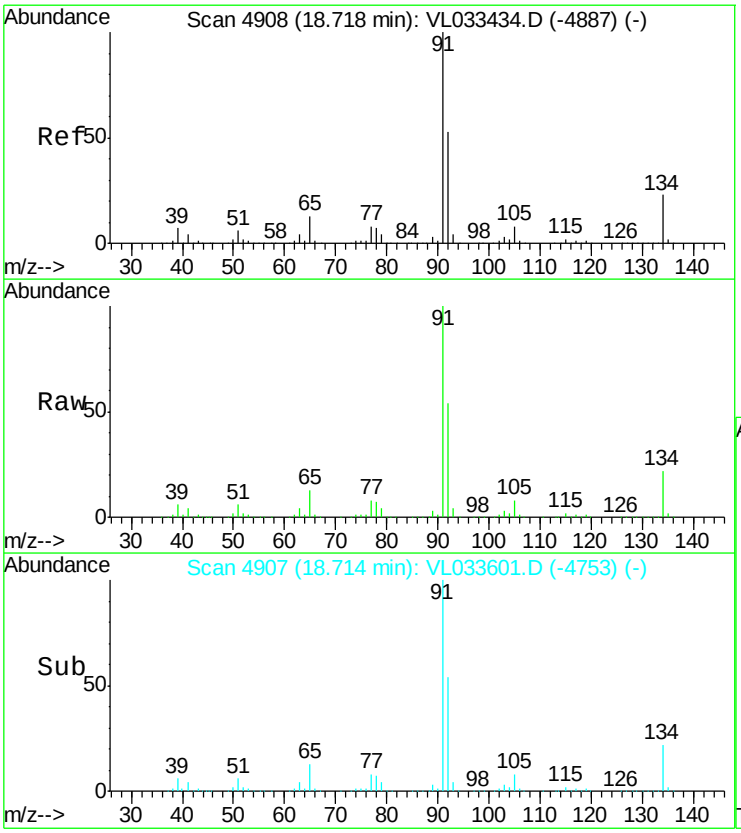
#69
p-Isopropyltoluene
Concen: 8.844 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:119 Resp: 3391280

Ion	Ratio	Lower	Upper
119	100		
134	25.0	19.9	29.9
91	29.2	23.4	35.0

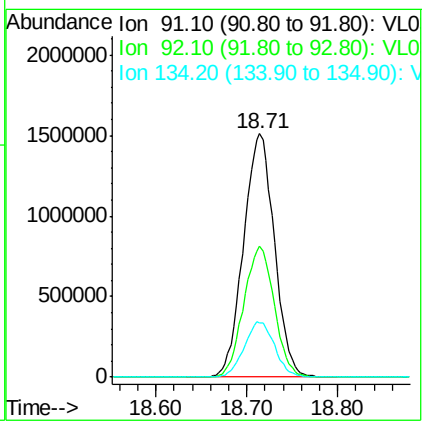


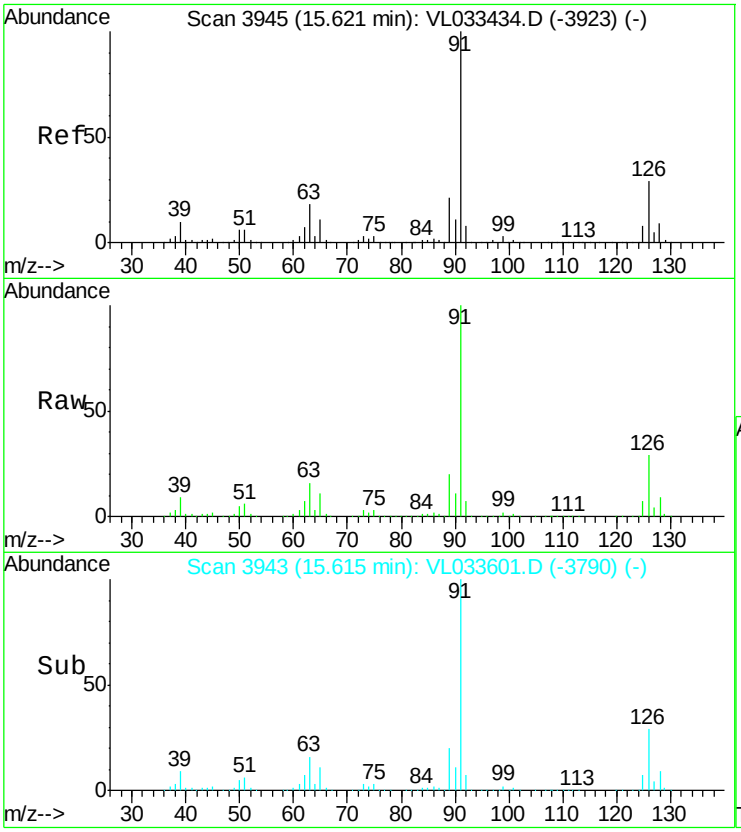


#70
n-Butylbenzene
Concen: 8.727 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion: 91 Resp: 3545486

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.6	64.0
134	22.4	17.5	26.3



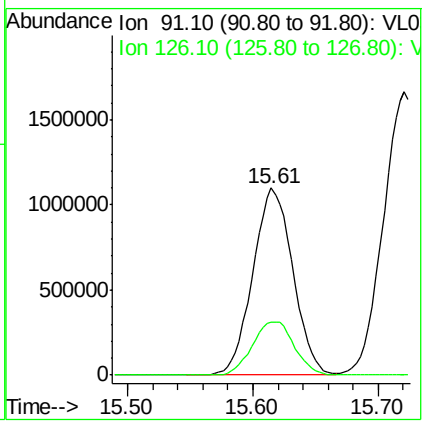


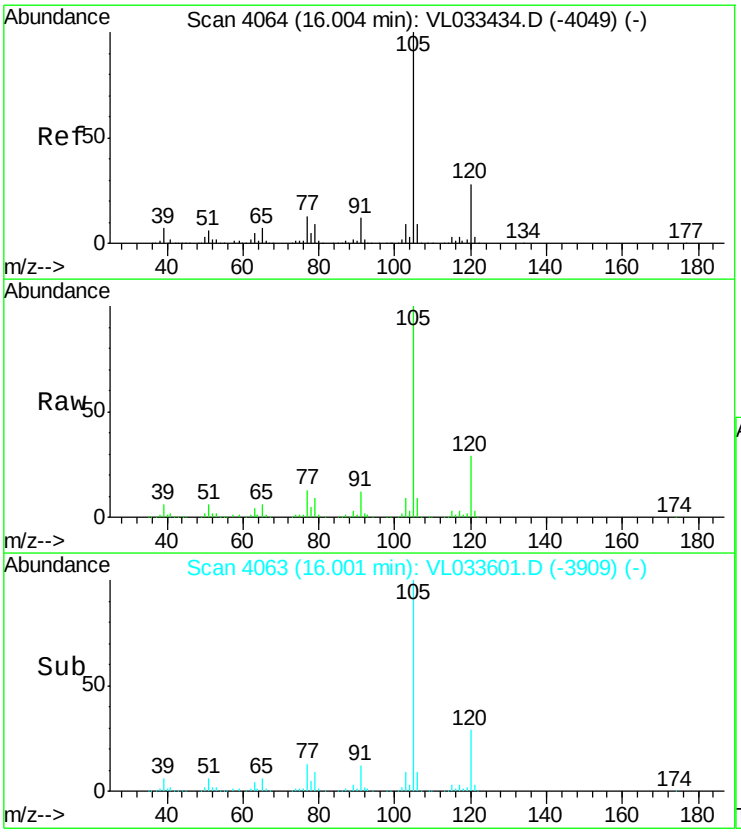
#71
2-Chlorotoluene
Concen: 8.555 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion: 91 Resp: 2444693

Ion	Ratio	Lower	Upper
91	100		
126	29.8	11.7	46.9

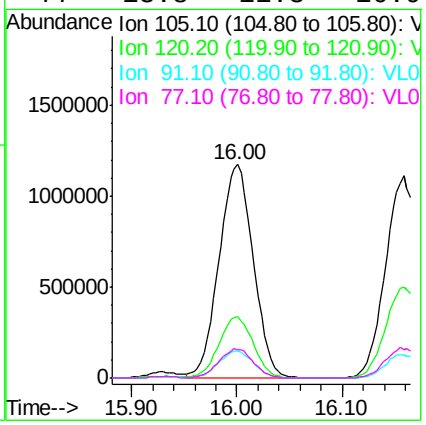


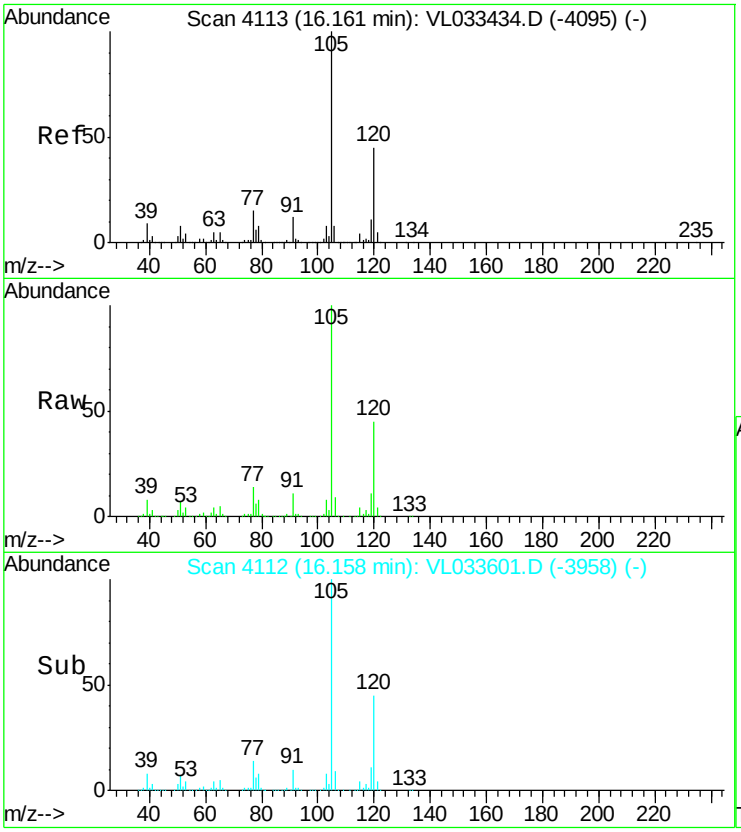


#72
4-Ethyltoluene
Concen: 8.817 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:105 Resp: 2630230

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	12.9	10.4	15.6
77	13.8	11.3	16.9



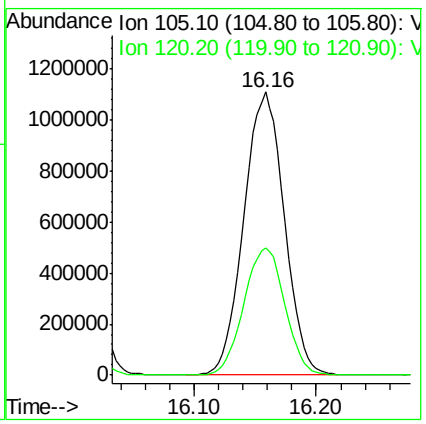


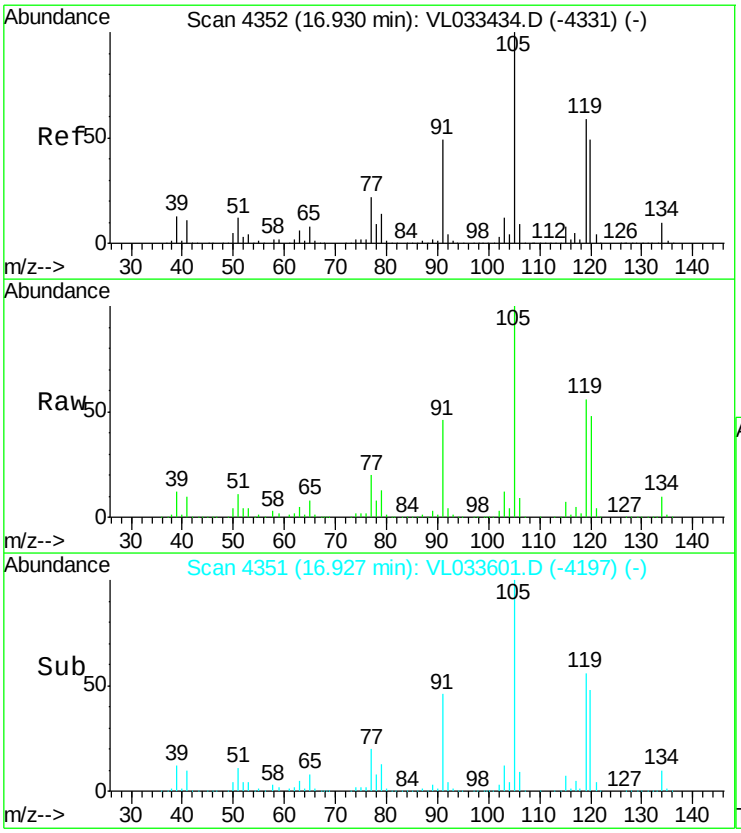
#73
1,3,5-Trimethylbenzene
Concen: 8.882 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:105 Resp: 2535711

Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.7	53.5

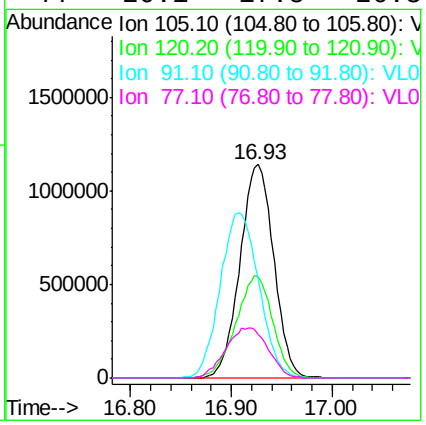


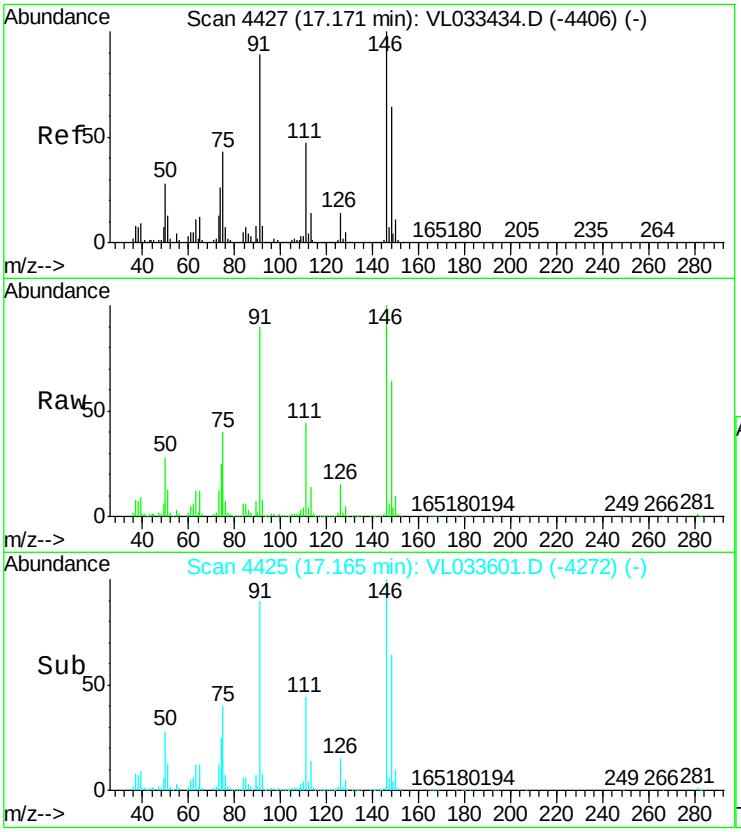


#74
1,2,4-Trimethylbenzene
Concen: 8.624 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:105 Resp: 2638875

Ion	Ratio	Lower	Upper
105	100		
120	47.5	39.0	58.6
91	45.8	40.0	60.0
77	20.1	17.5	26.3



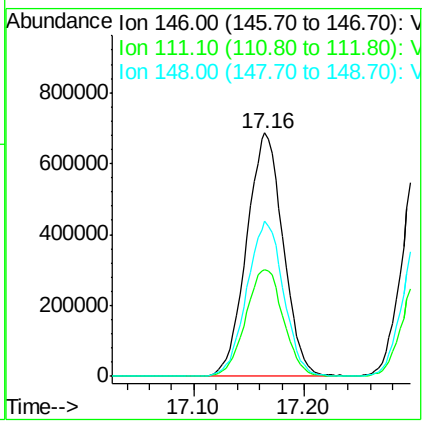


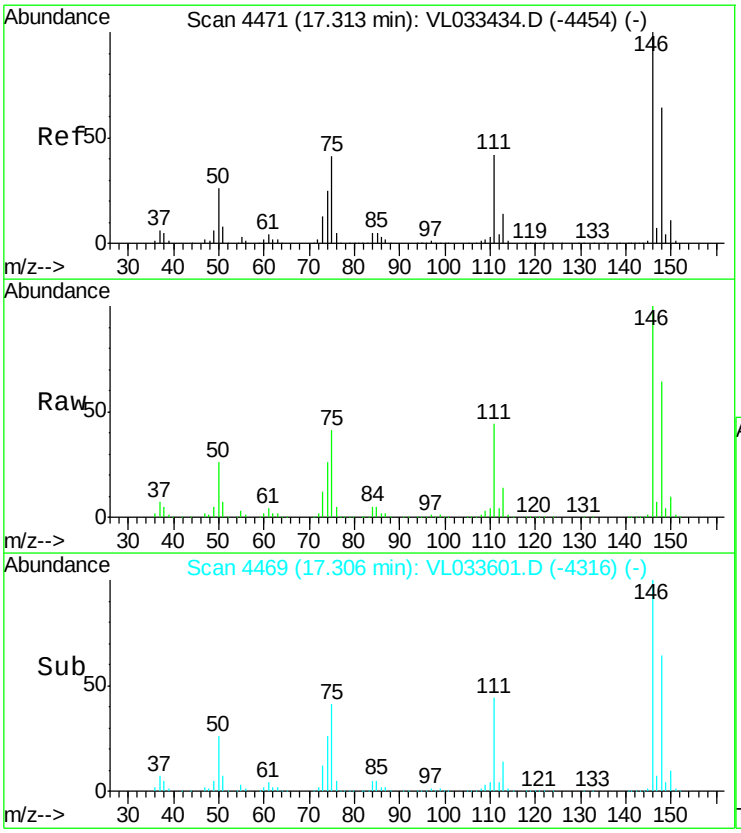
#75
1,3-Dichlorobenzene
Concen: 8.321 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:146 Resp: 1573624

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	64.0	32.0	96.2

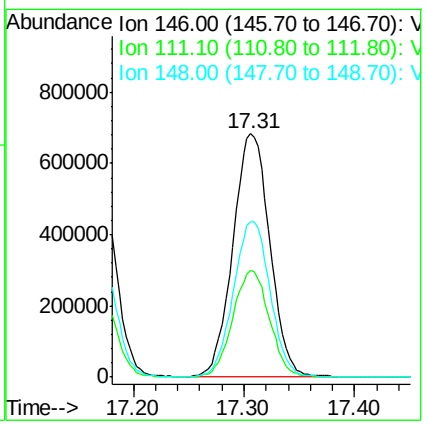


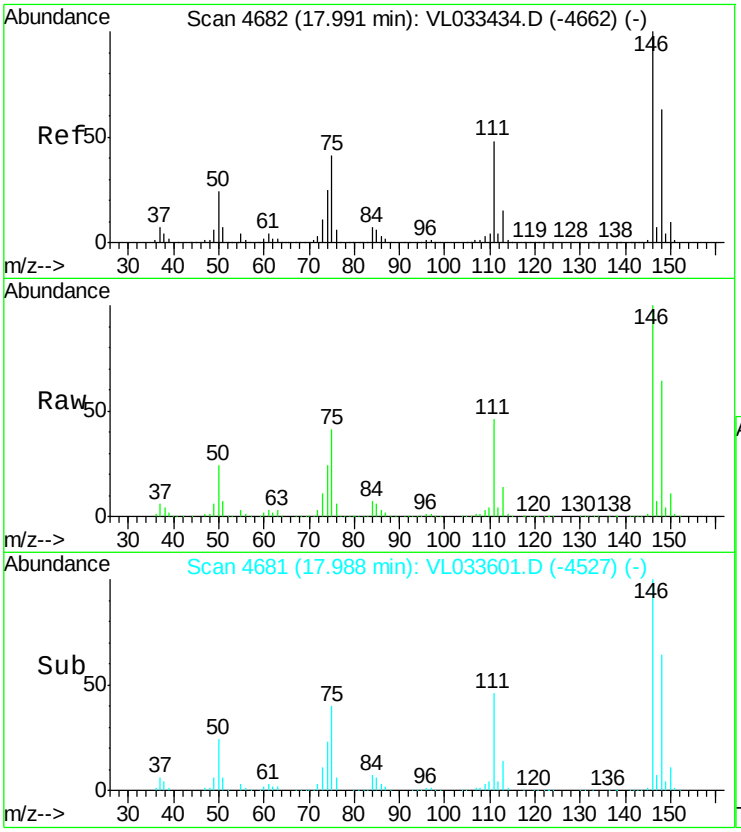


#76
1,4-Dichlorobenzene
Concen: 8.552 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:146 Resp: 1575759

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.7	65.1
148	64.3	32.0	96.2



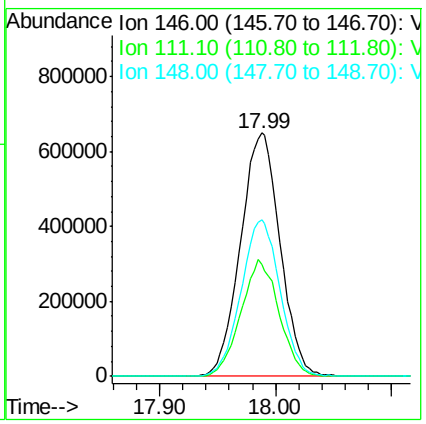


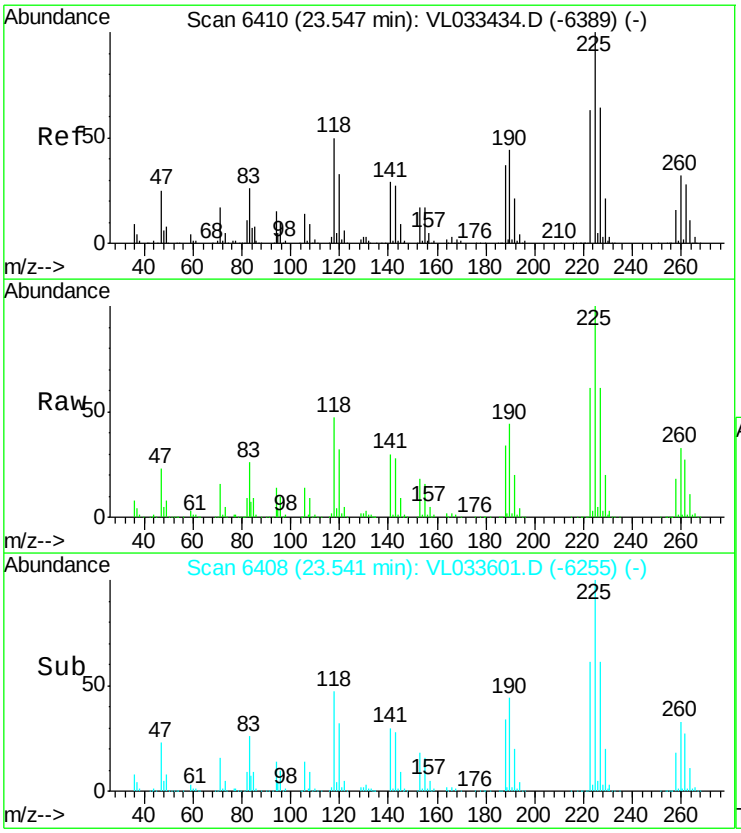
#77
1,2-Dichlorobenzene
Concen: 8.582 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion:146 Resp: 1539870

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.5	70.5
148	63.7	32.0	96.0

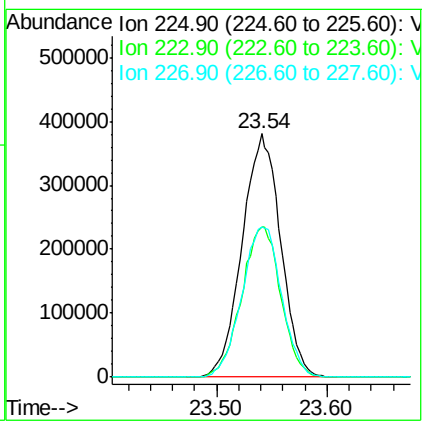


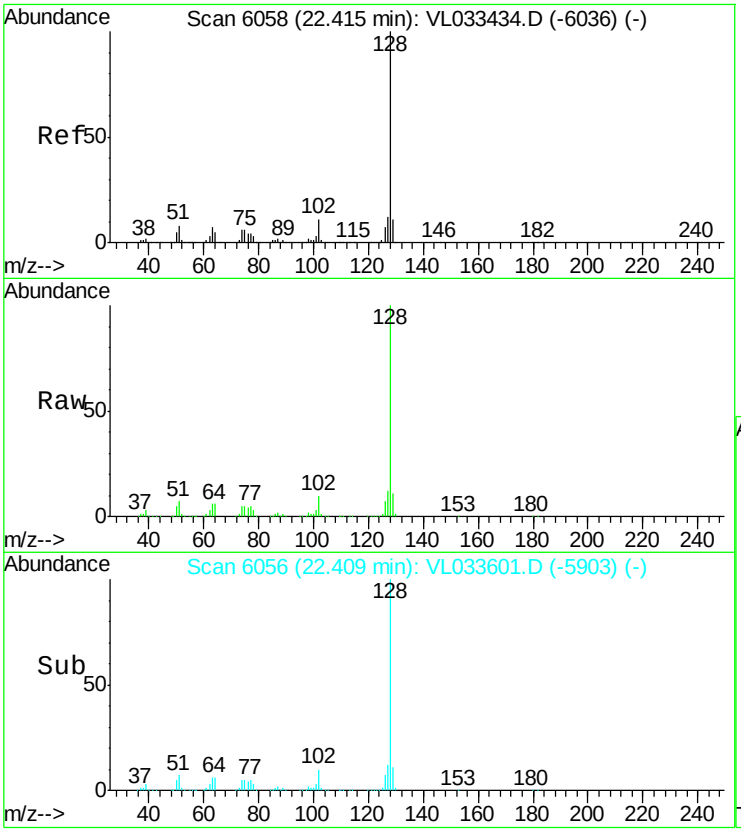


#78
Hexachloro-1,3-Butadiene
Concen: 7.758 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:225 Resp: 921524

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.0	75.0
227	63.7	51.1	76.7



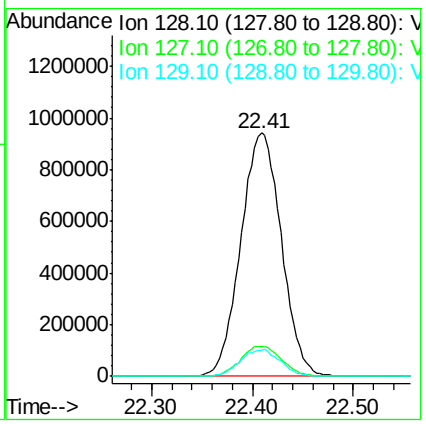


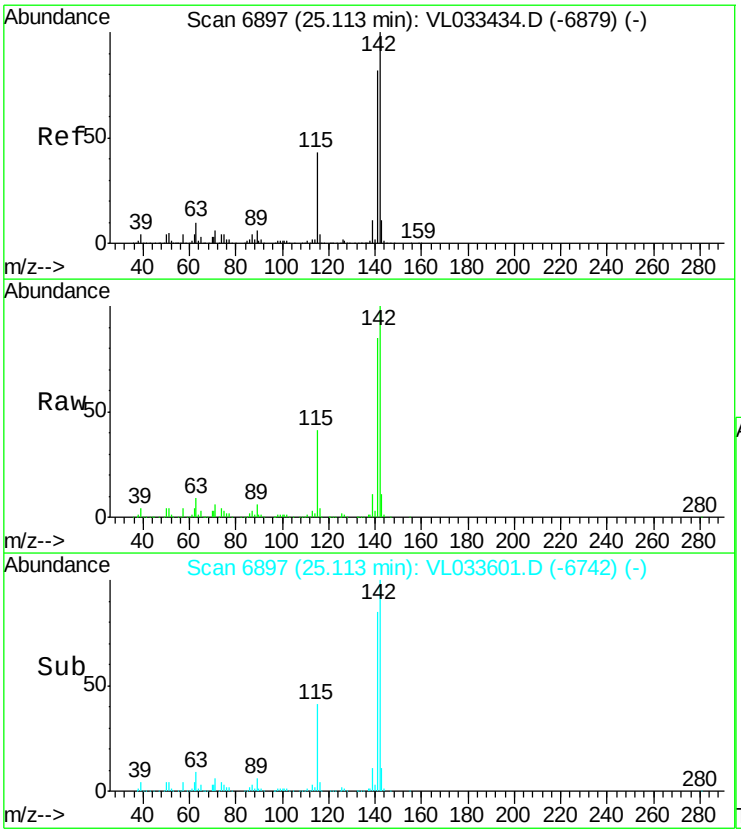
#79
Naphthalene
Concen: 10.025 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument : MSVOA_L
ClientSampleId : VL0417ABS01

Tgt Ion:128 Resp: 2625785

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	10.6	8.6	12.8

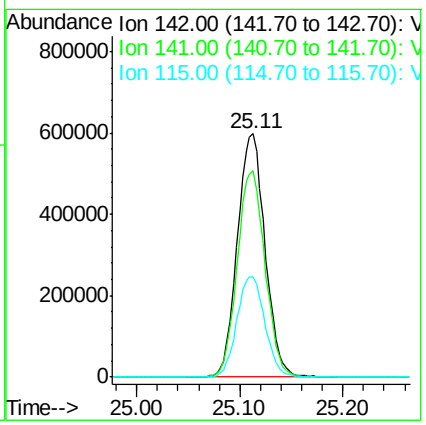


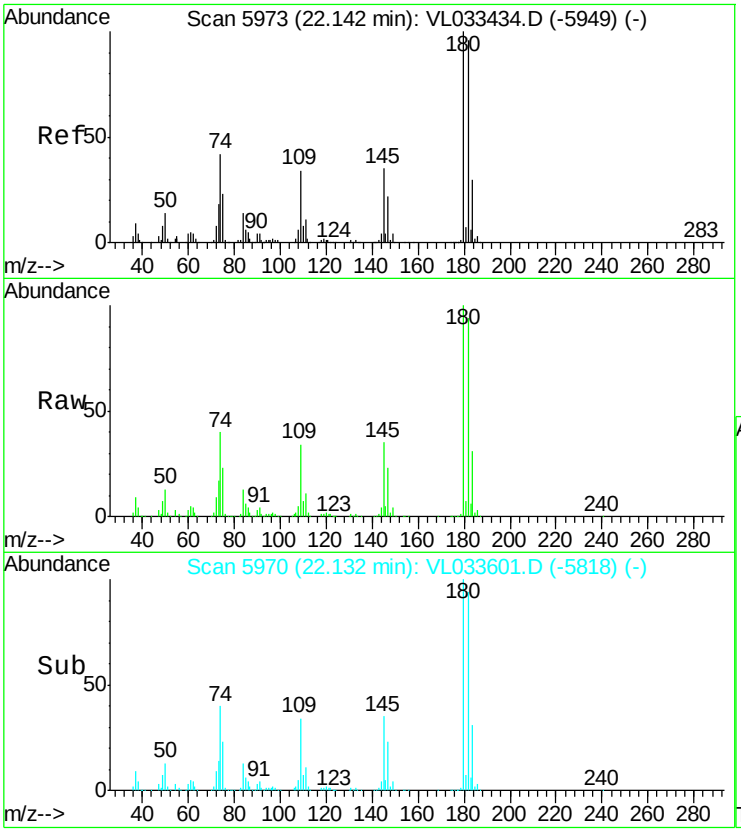


#80
Naphthalene,2-methyl-
Concen: 12.713 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Tgt Ion:142 Resp: 1117519

Ion	Ratio	Lower	Upper
142	100		
141	85.2	66.6	99.8
115	41.8	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 9.288 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL033601.D
Acq: 17 Apr 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VL0417ABS01

Tgt Ion:180 Resp: 1349530

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.4
184	30.8	24.6	36.8