Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033069.D
Acq On : 4 Jan 2019 14:50
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Quant Time: Jan 05 01:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1189261	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3022286	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3715480	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2271659	7.98	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1549044	6.999	ppbv		99
3) Chlorodifluoromethane	3.01	51	1465693	10.888	ppbv		98
4) Chloromethane	3.17	50	823115	10.675	ppbv		97
5) Vinyl Chloride	3.29	62	829487	10.652	ppbv		99
6) Bromomethane	3.52	94	532739	10.070	ppbv		99
7) Chloroethane	3.60	64	310762	10.205	ppbv		99
8) Dichlorotetrafluoroethane	3.22	85	2025961	10.627	ppbv		99
9) Propene	3.04	41	629294	12.513	ppbv		99
10) Heptane	8.25	43	1418891	9.909	ppbv		99
11) Trichlorofluoromethane	4.00	101	2098243	8.579	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1342619	8.682	ppbv		99
13) Ethanol	3.65	45	179868	8.969	ppbv		95
14) Bromoethene	3.79	108	670933	9.823	ppbv		98
15) Acetone	3.90	43	1397293	8.488	ppbv		99
16) 1,3-Butadiene	3.36	39	665483	10.721	ppbv		99
17) tert-Butyl alcohol	4.35	59	378748	10.862	ppbv		99
18) 1,1-Dichloroethene	4.35	96	661698	9.289	ppbv		88
19) Isopropyl Alcohol	4.02	45	1149510	10.144	ppbv	#	98
20) Methylene Chloride	4.41	84	548322	7.990	ppbv		98
21) Allyl Chloride	4.48	41	999028	9.794	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	603970	8.554	ppbv		99
23) Vinyl Acetate	5.16	43	2010156	9.599	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1528115	8.595	ppbv		100
25) Ethyl Acetate	5.77	43	2446580	8.793	ppbv		99
26) Hexane	5.78	57	1125247	8.589	ppbv		98
27) Carbon Disulfide	4.62	76	1523724	9.430	ppbv		99
28) Methyl tert-Butyl Ether	5.11	73	1941868	9.496	ppbv		100
29) Chloroform	5.85	83	1871732	8.383	ppbv		99
30) Cyclohexane	7.25	84	987929	10.113	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	1197861	9.846	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	1950817	8.609	ppbv		99
34) 2-Butanone	5.33	43	1551795	8.837	ppbv		100
35) Carbon Tetrachloride	7.14	117	2103626	8.103	ppbv		99
36) Benzene	7.01	78	2338801	9.447	ppbv		99
37) 1,2-Dichloroethane	6.42	62	1454120	8.412	ppbv		99
38) Trichloroethene	7.97	130	987445	9.695	ppbv		98
39) 1,2-Dichloropropane	7.74	63	882180	9.485	ppbv		97
40) 1,4-Dioxane	7.96	88	308995	8.752	ppbv		89
41) Tetrahydrofuran	6.15	42	892365	9.984	ppbv		100
42) Bromodichloromethane	7.92	83	2089273	8.799	ppbv		100
43) Methyl Methacrylate	8.14	69	954557	10.276	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033069.D
Acq On : 4 Jan 2019 14:50
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Quant Time: Jan 05 01:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3914628	9.337	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1350163	11.676	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1529256	11.587	ppbv		99
47) 1,1,2-Trichloroethane	9.62	97	995796	9.165	ppbv		100
48) Dibromochloromethane	10.46	129	1872365	9.753	ppbv		100
49) Bromoform	13.21	173	1574442	9.387	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2243012	10.080	ppbv		98
51) 2-Hexanone	10.27	43	1750151	10.870	ppbv	#	100
52) Tetrachloroethene	11.38	164	892567	10.200	ppbv		98
53) Toluene	9.95	91	2789061	10.512	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1603890	10.245	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1312836	6.839	ppbv		98
57) Chlorobenzene	12.31	112	2196674	7.083	ppbv		96
58) Ethyl Benzene	12.87	91	3805059	8.111	ppbv		99
59) m/p-Xylene	13.13	91	3250632	7.491	ppbv	#	100
60) o-Xylene	13.86	91	3102003	7.302	ppbv		99
61) Styrene	13.69	104	2354418	8.685	ppbv		100
62) Isopropylbenzene	14.83	105	4445256	7.352	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2094020	6.635	ppbv		100
64) n-propylbenzene	15.73	120	1135350	7.392	ppbv		100
65) tert-Butylbenzene	16.92	119	3902460	7.287	ppbv		99
66) Benzyl Chloride	17.16	91	2407486	7.887	ppbv		100
67) sec-Butylbenzene	17.46	105	5437956	7.095	ppbv		100
69) p-Isopropyltoluene	17.82	119	4509668	7.250	ppbv		100
70) n-Butylbenzene	18.72	91	4551926	7.279	ppbv		100
71) 2-Chlorotoluene	15.62	91	3295968	7.687	ppbv		100
72) 4-Ethyltoluene	16.01	105	3642874	7.803	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	3436932	7.461	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	3506904	6.874	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1980071	6.594	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	1949282	7.126	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1885945	6.974	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1467023	7.063	ppbv		100
79) Naphthalene	22.42	128	3481142	8.101	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1547973	11.870	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1633325	7.868	ppbv		100

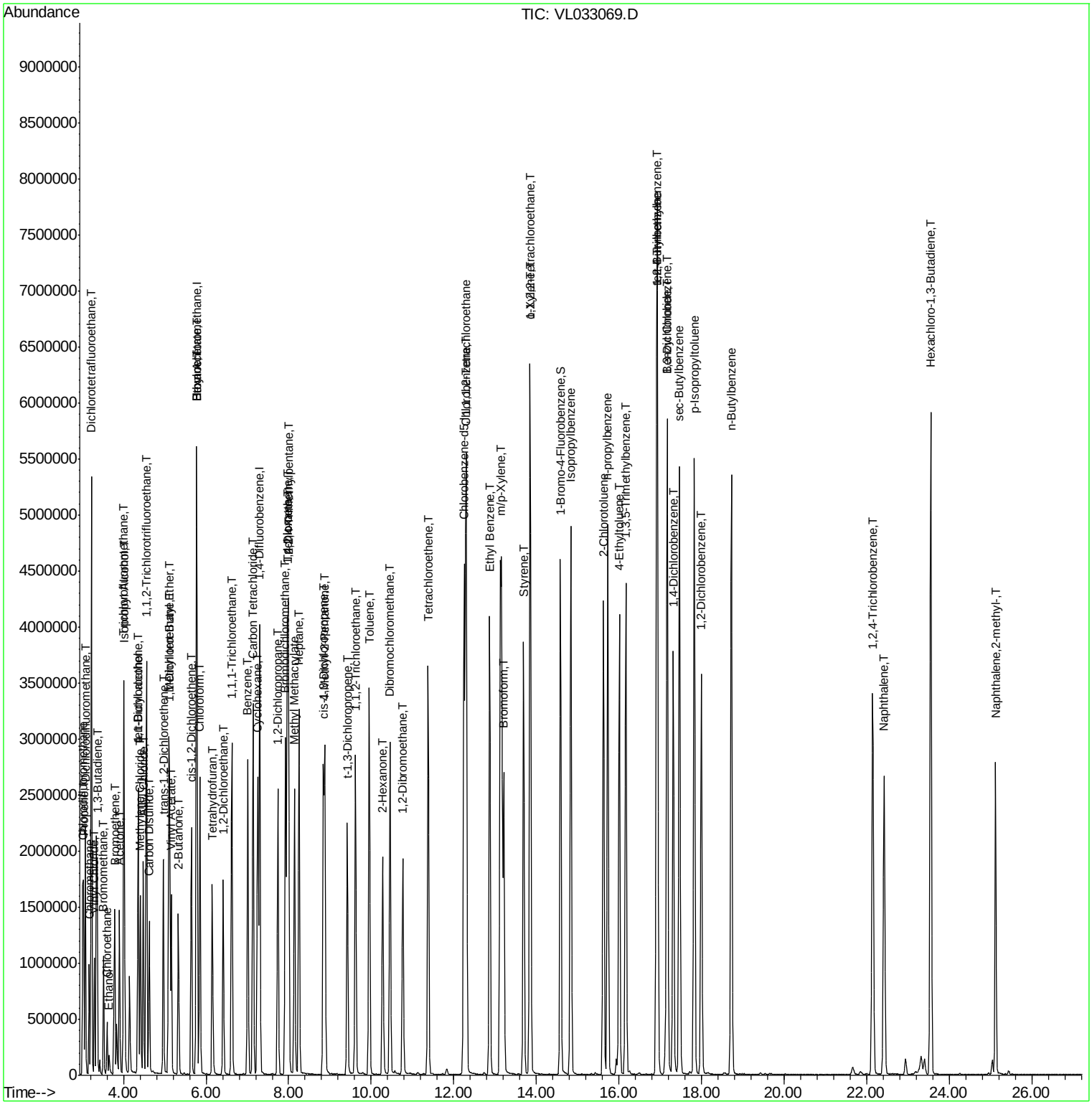
(#) = qualifier out of range (m) = manual integration (+) = signals summed

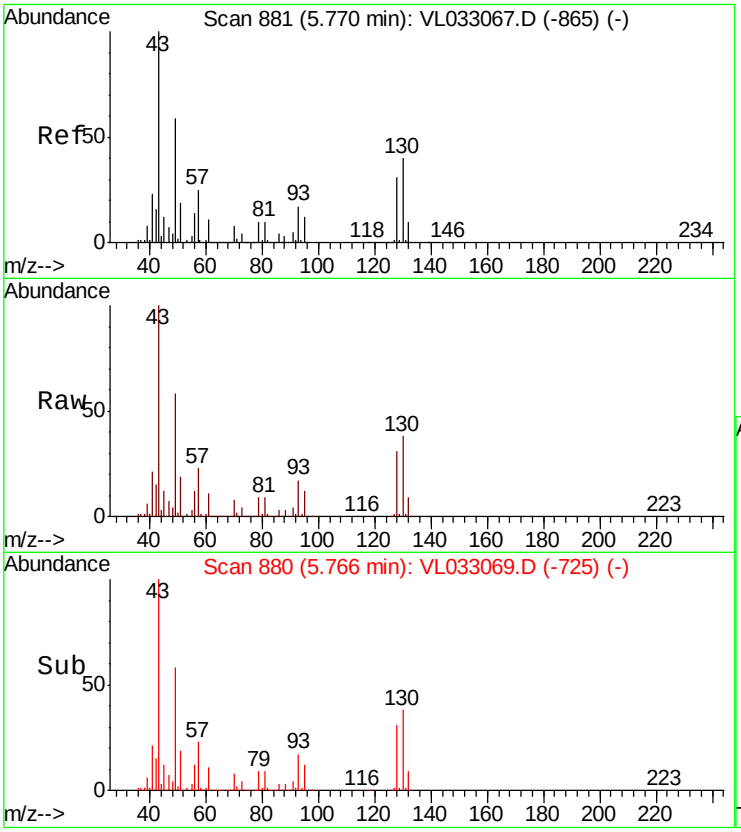
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033069.D
Acq On : 4 Jan 2019 14:50
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Quant Time: Jan 05 01:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration



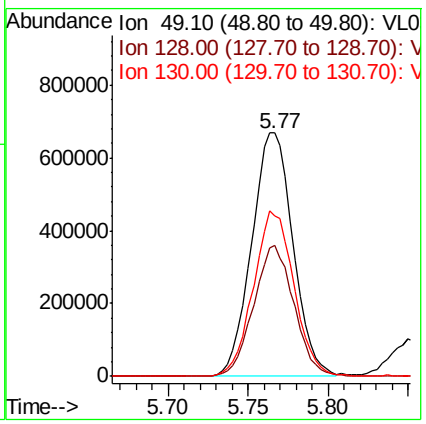


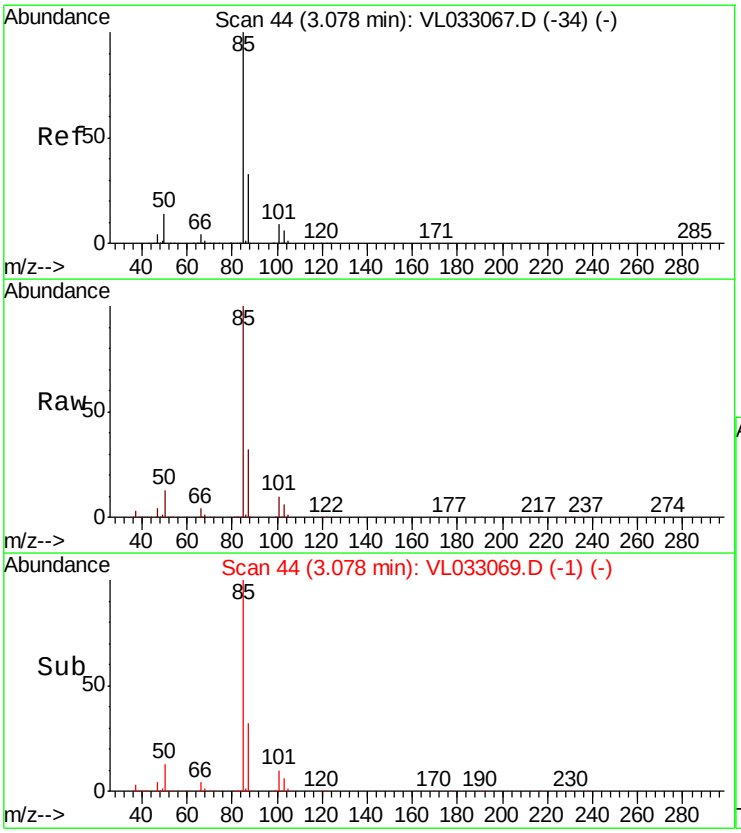
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 49 Resp: 1189261

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.2	78.5
130	66.6	33.6	100.6

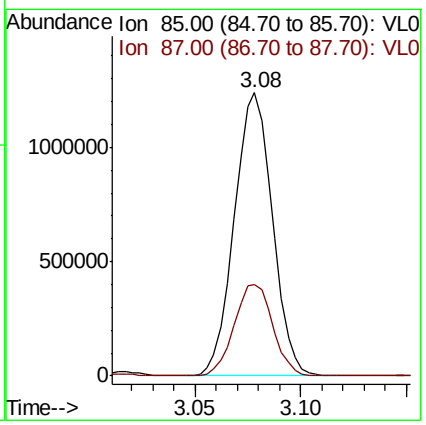


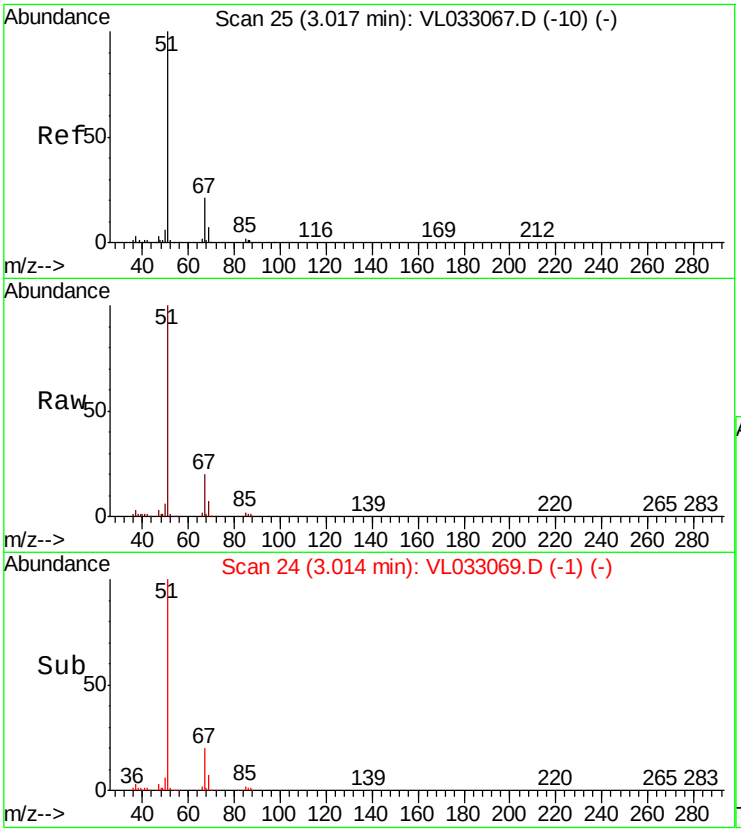


#2
Dichlorodifluoromethane
Concen: 6.999 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 85 Resp: 1549044

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.3	39.5



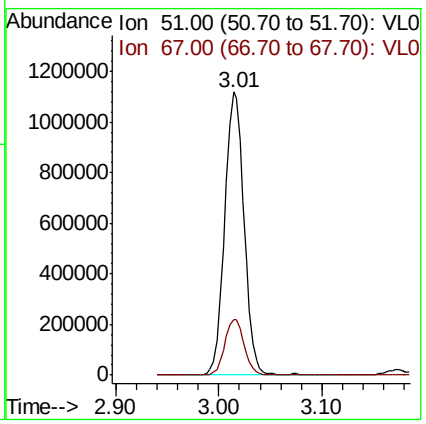


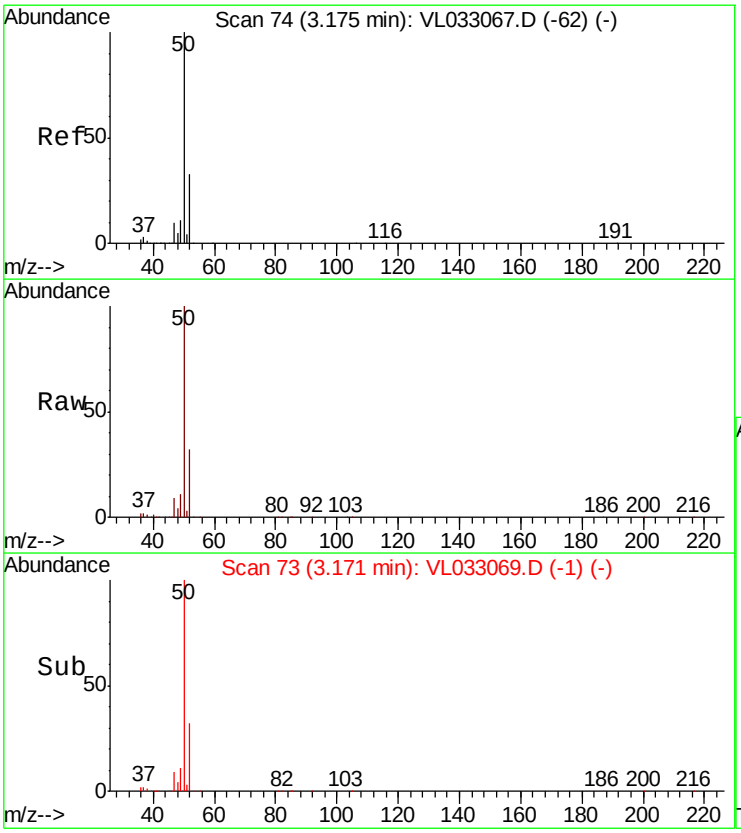
#3
Chlorodifluoromethane
Concen: 10.888 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 51 Resp: 1465693

Ion	Ratio	Lower	Upper
51	100		
67	19.5	16.3	24.5

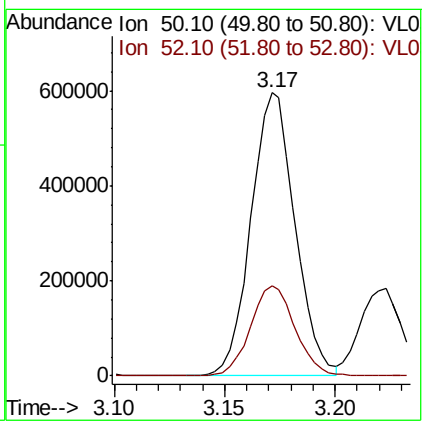


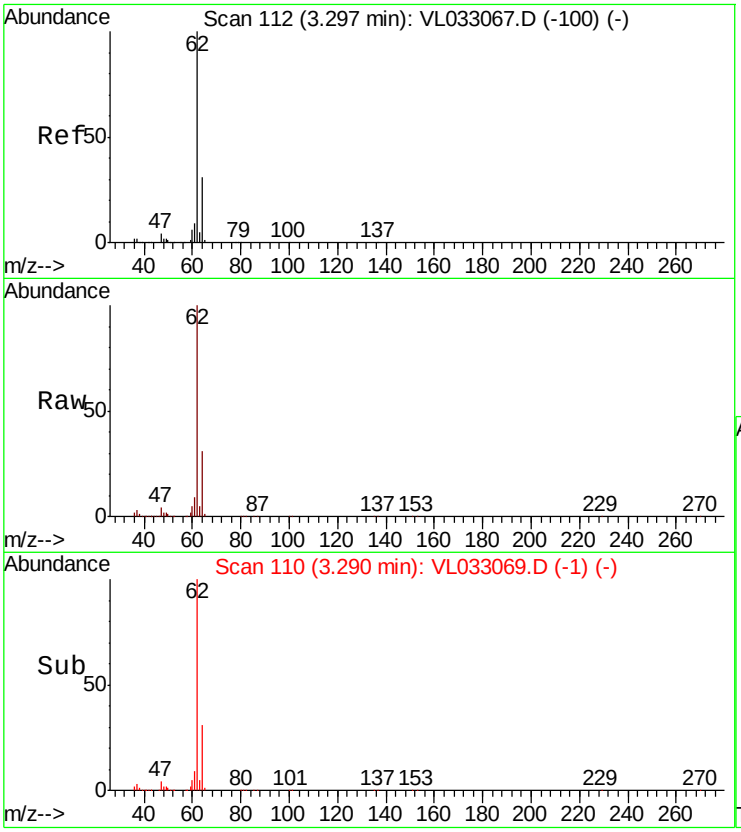


#4
Chloromethane
Concen: 10.675 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 50 Resp: 823115

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.9	40.3



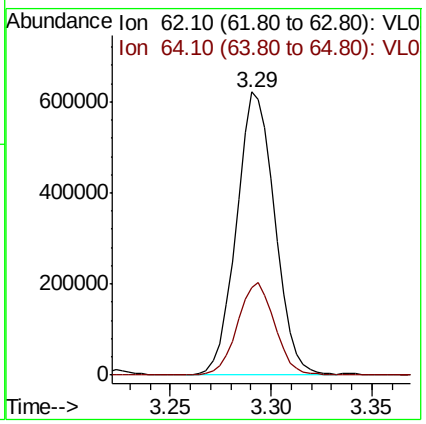


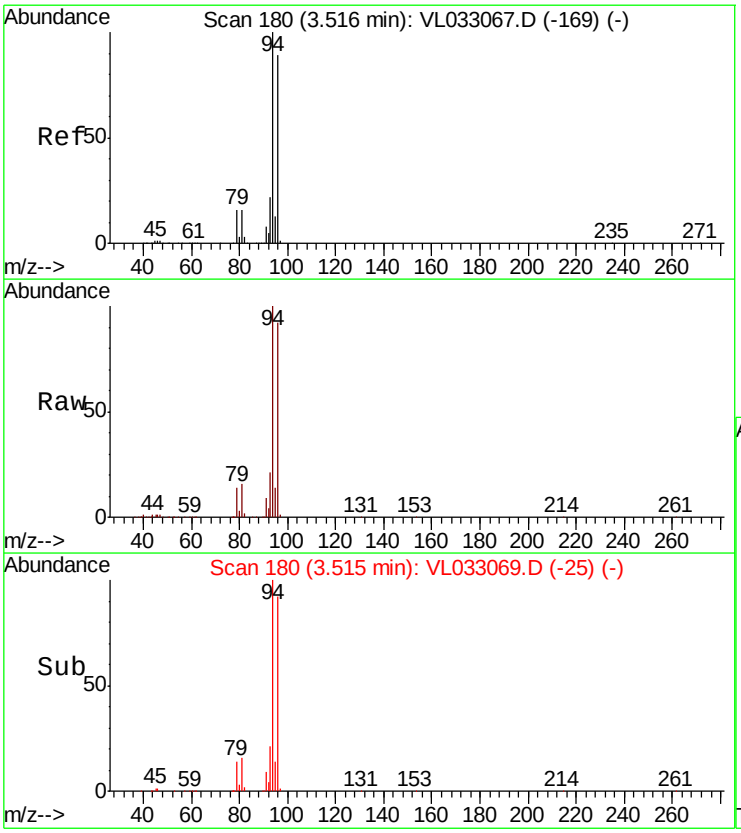
#5
Vinyl Chloride
Concen: 10.652 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 62 Resp: 829487

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.3	37.9

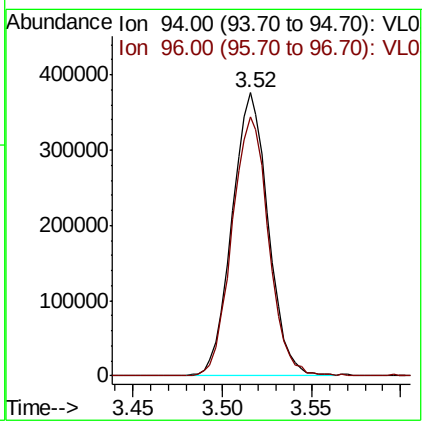


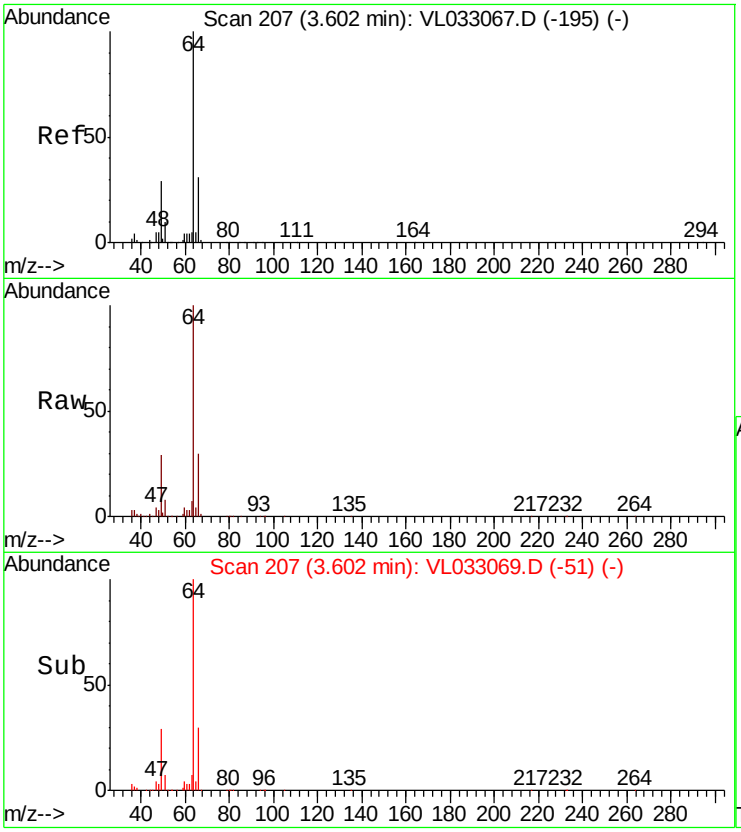


#6
Bromomethane
Concen: 10.070 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 94 Resp: 532739

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.8	109.2



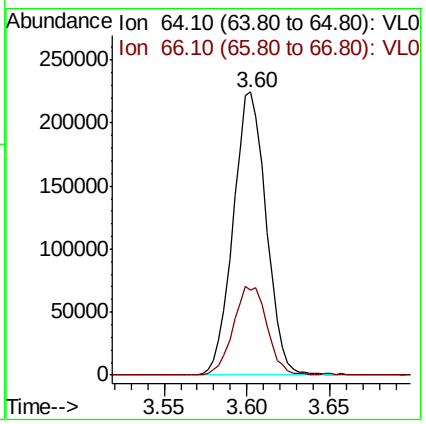


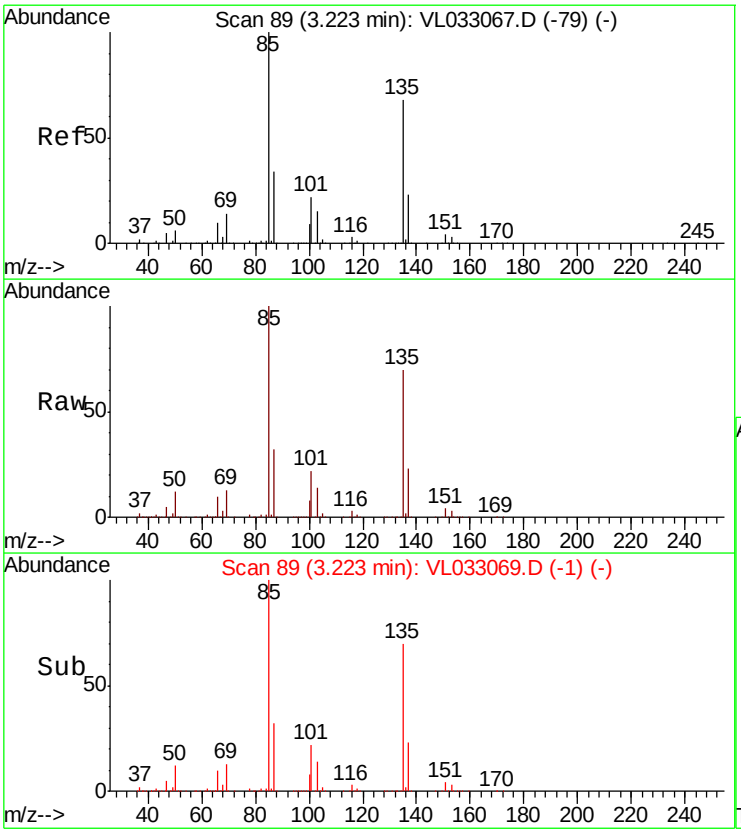
#7
Chloroethane
Concen: 10.205 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 64 Resp: 310762

Ion	Ratio	Lower	Upper
64	100		
66	29.9	23.7	35.5

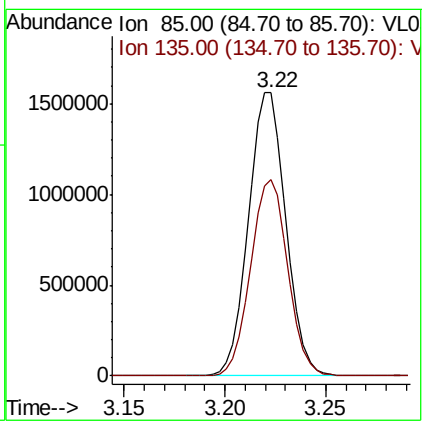


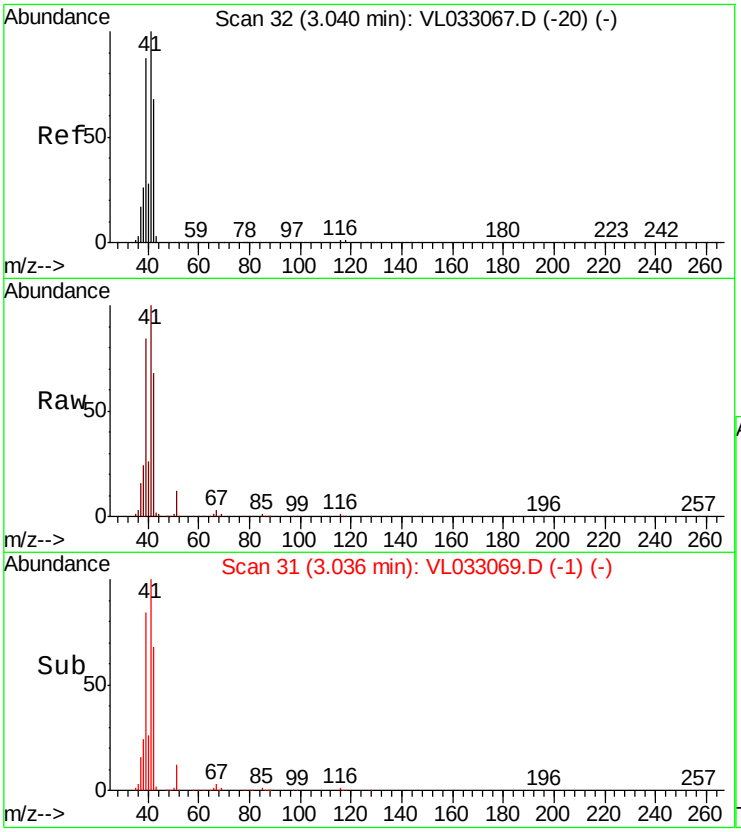


#8
Dichlorotetrafluoroethane
Concen: 10.627 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 85 Resp: 2025961

Ion	Ratio	Lower	Upper
85	100		
135	69.3	54.9	82.3



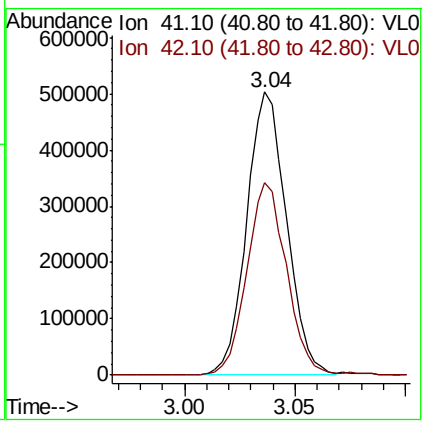


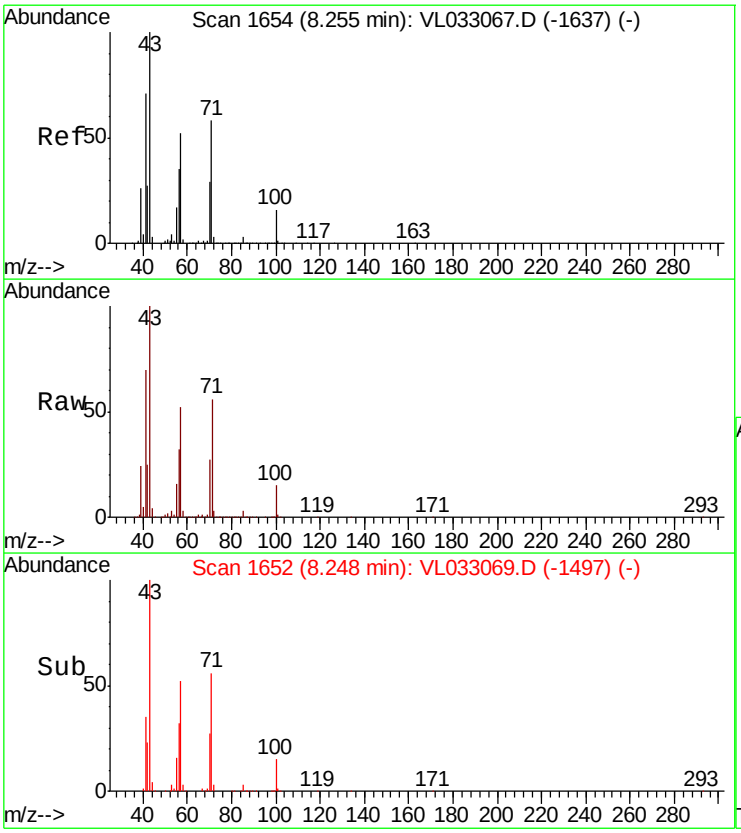
#9
Propene
Concen: 12.513 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 41 Resp: 629294

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.3	82.9

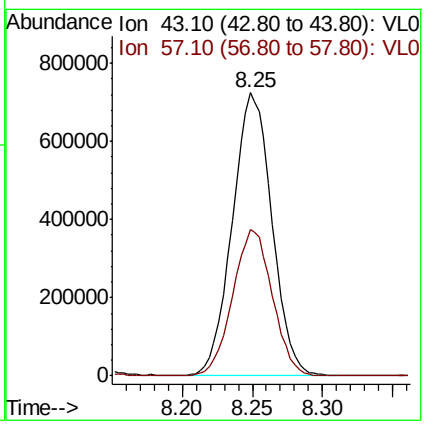


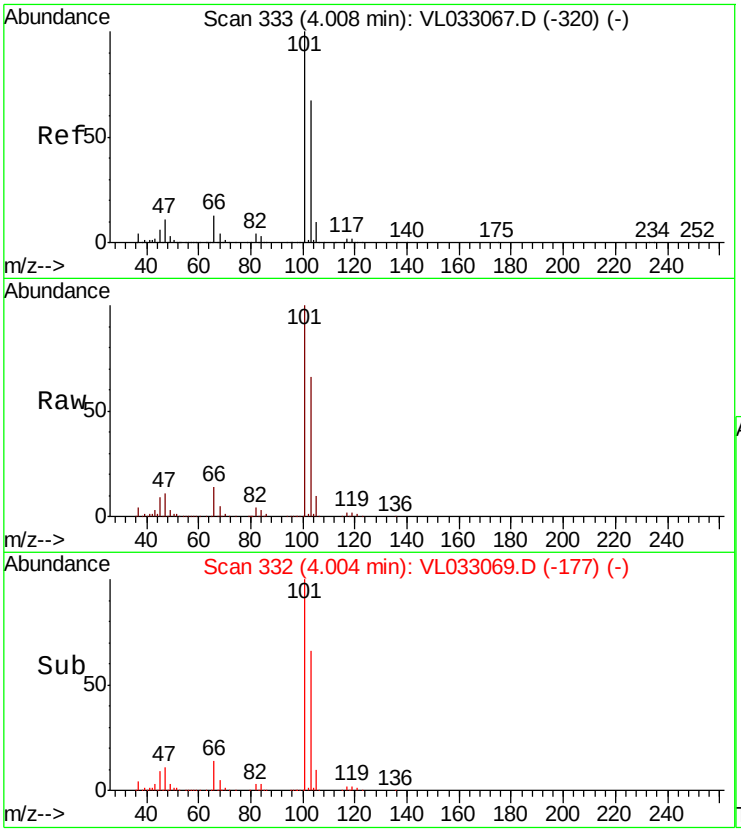


#10
Heptane
Concen: 9.909 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 43 Resp: 1418891

Ion	Ratio	Lower	Upper
43	100		
57	51.9	41.9	62.9



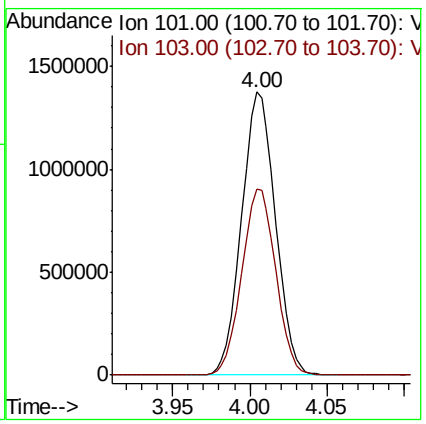


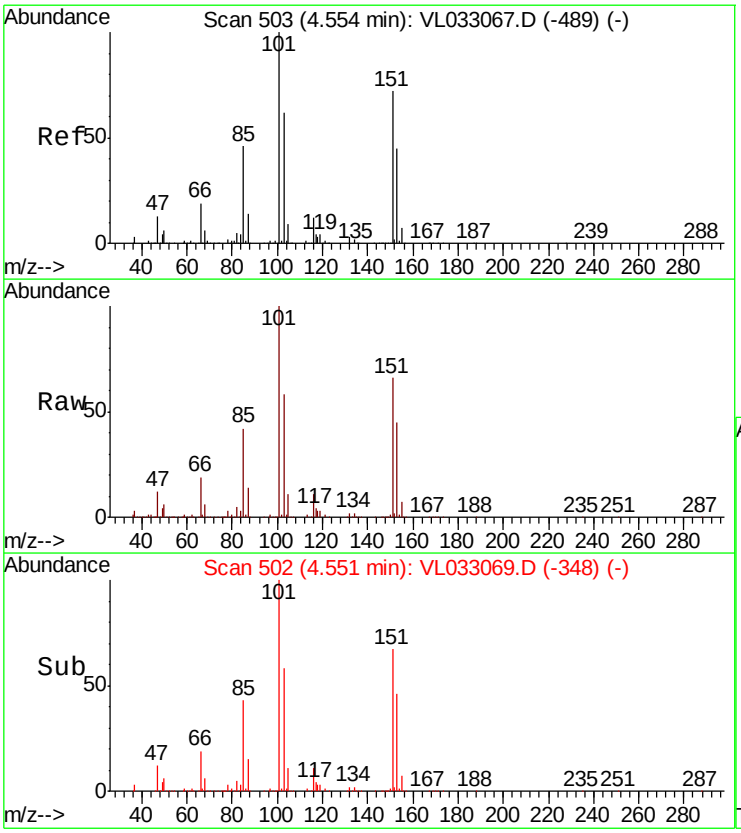
#11
Trichlorofluoromethane
Concen: 8.579 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:101 Resp: 2098243

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.7	77.5

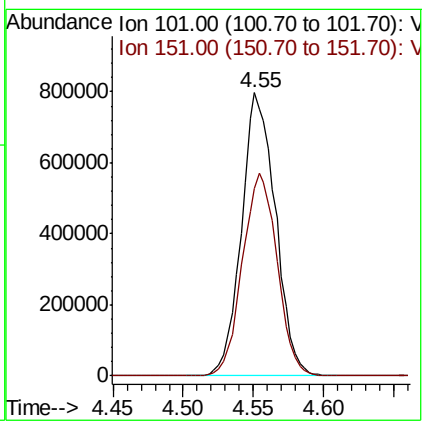


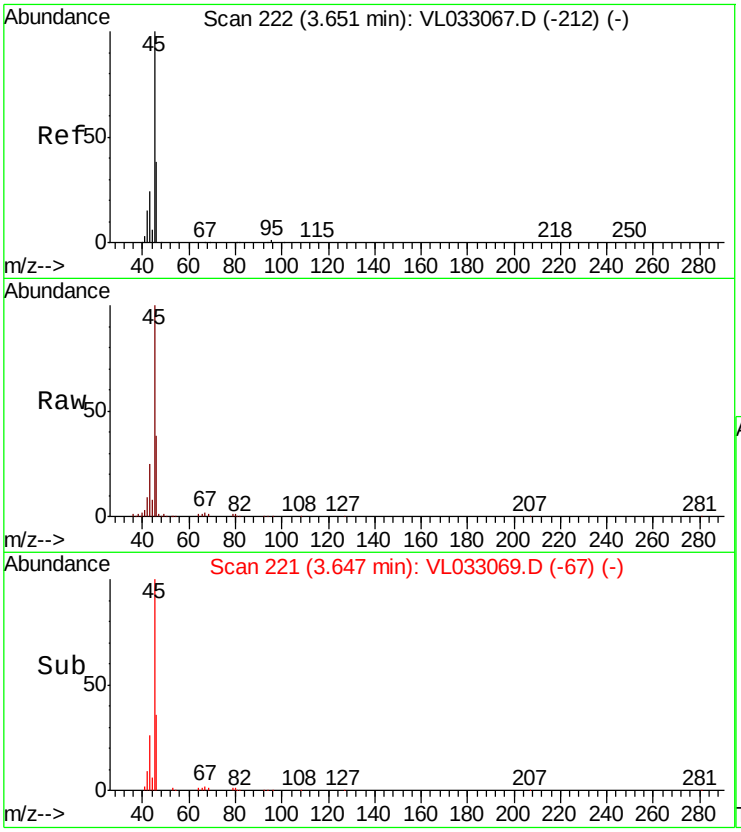


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.682 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:101 Resp: 1342619

Ion	Ratio	Lower	Upper
101	100		
151	73.4	58.3	87.5



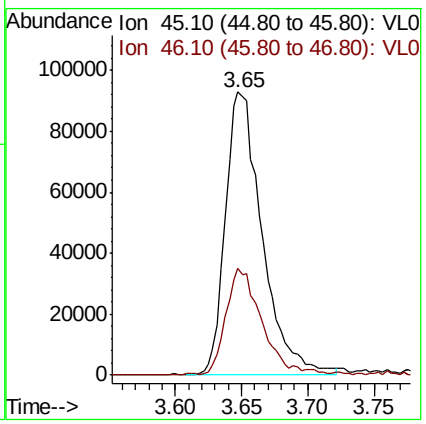


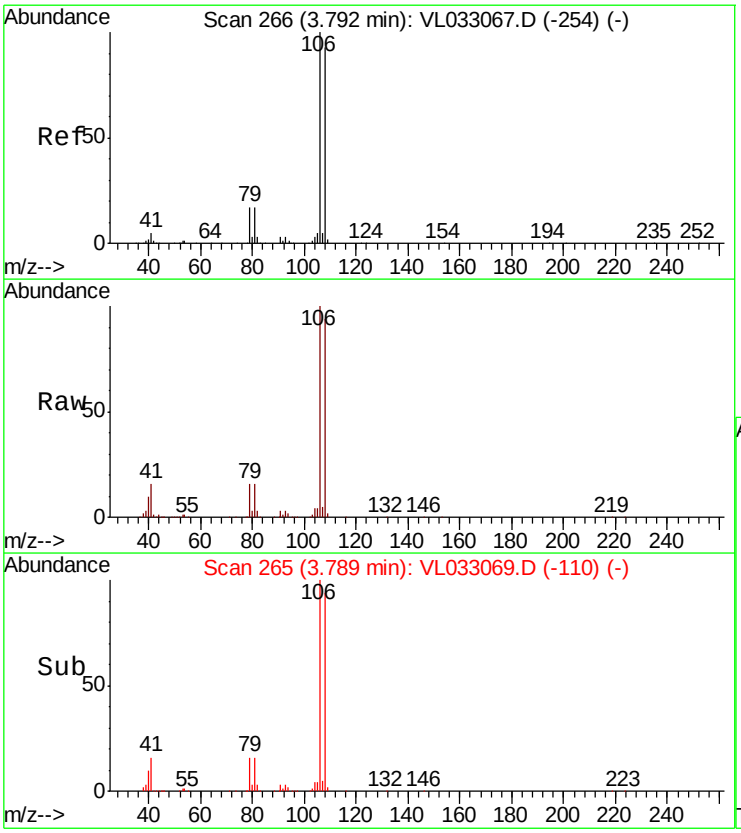
#13
Ethanol
Concen: 8.969 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 45 Resp: 179868

Ion	Ratio	Lower	Upper
45	100		
46	37.2	13.8	55.2

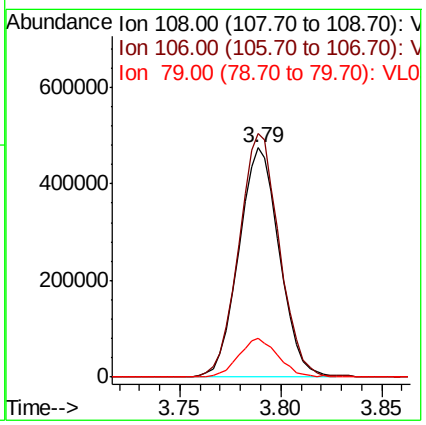


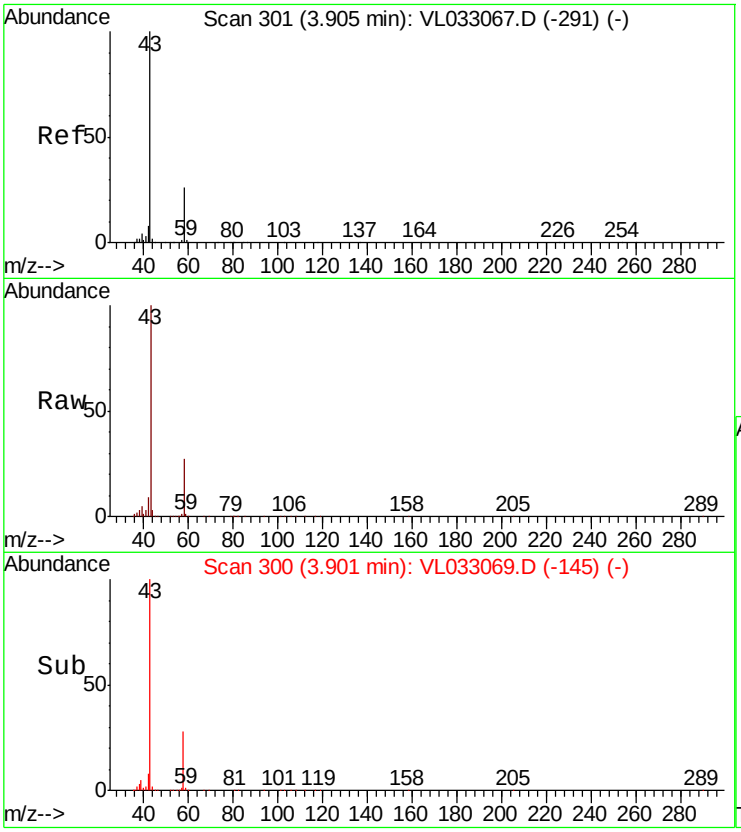


#14
Bromoethene
Concen: 9.823 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:108 Resp: 670933

Ion	Ratio	Lower	Upper
108	100		
106	106.3	86.4	129.6
79	16.8	14.3	21.5



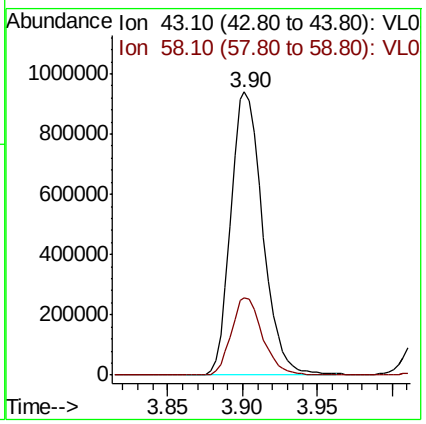


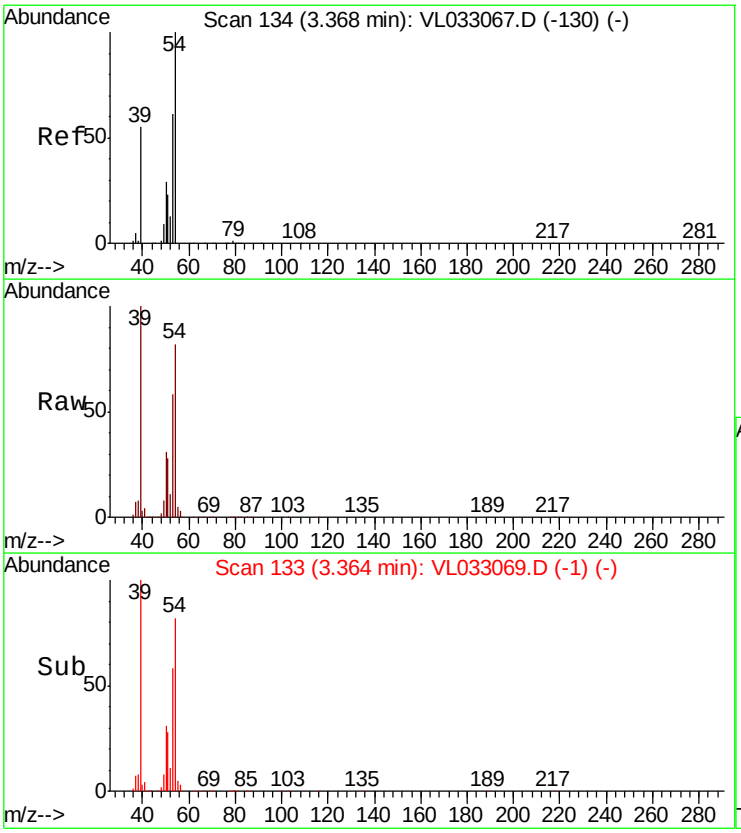
#15
Acetone
Concen: 8.488 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 43 Resp: 1397293

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.1	31.7

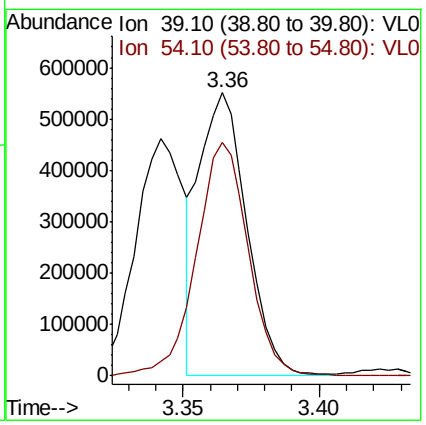


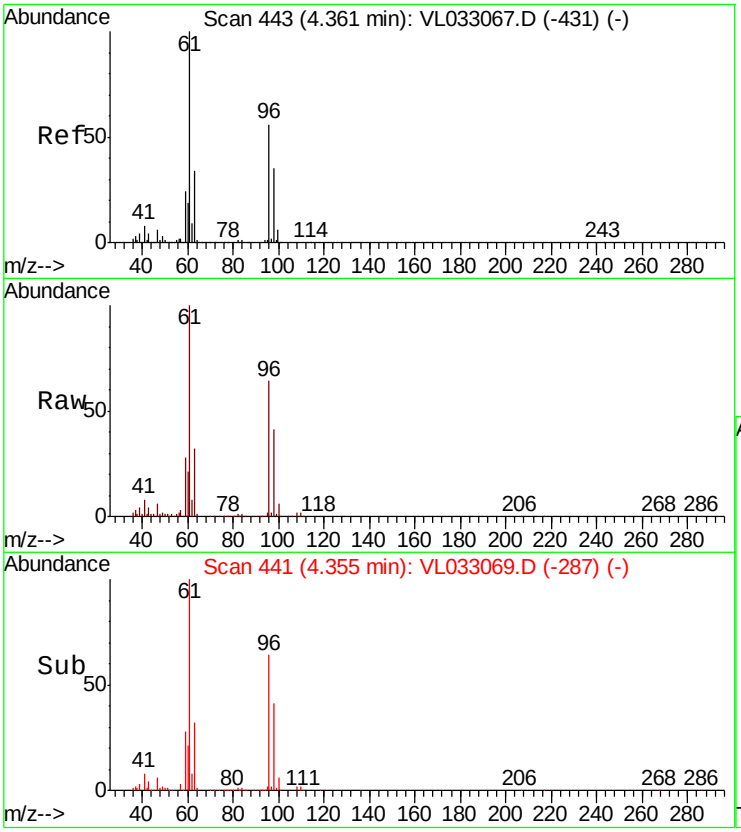


#16
1,3-Butadiene
Concen: 10.721 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 39 Resp: 665483

Ion	Ratio	Lower	Upper
39	100		
54	90.9	73.7	110.5



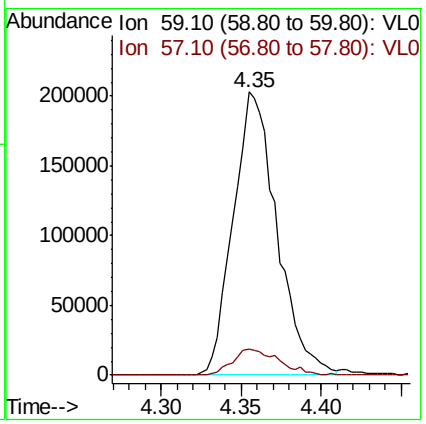


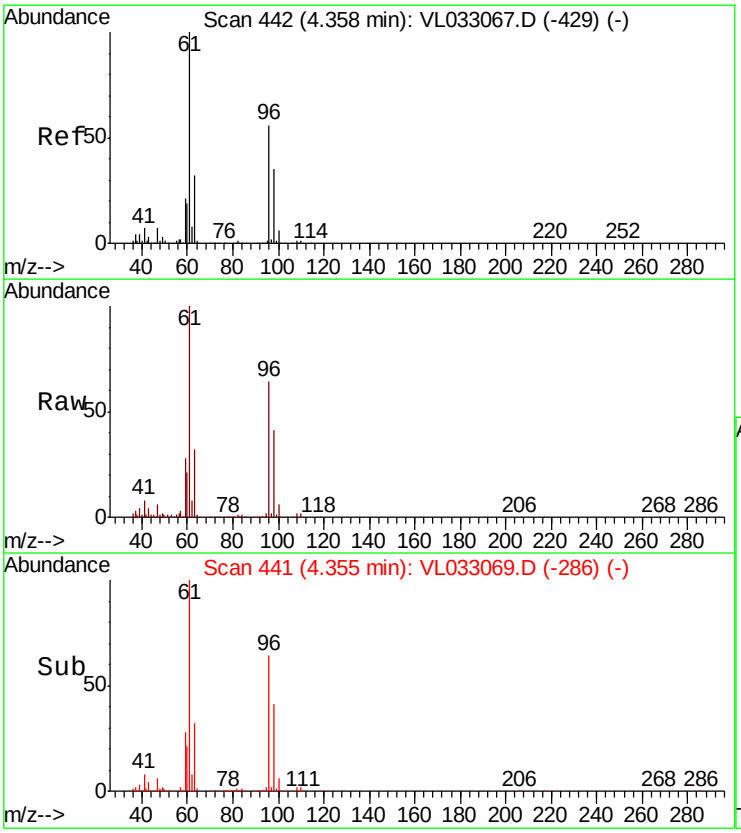
#17
tert-Butyl alcohol
Concen: 10.862 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 59 Resp: 378748

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

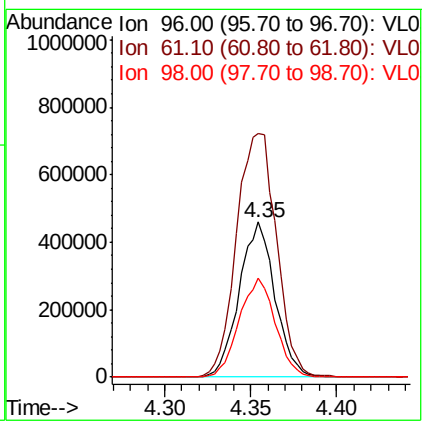


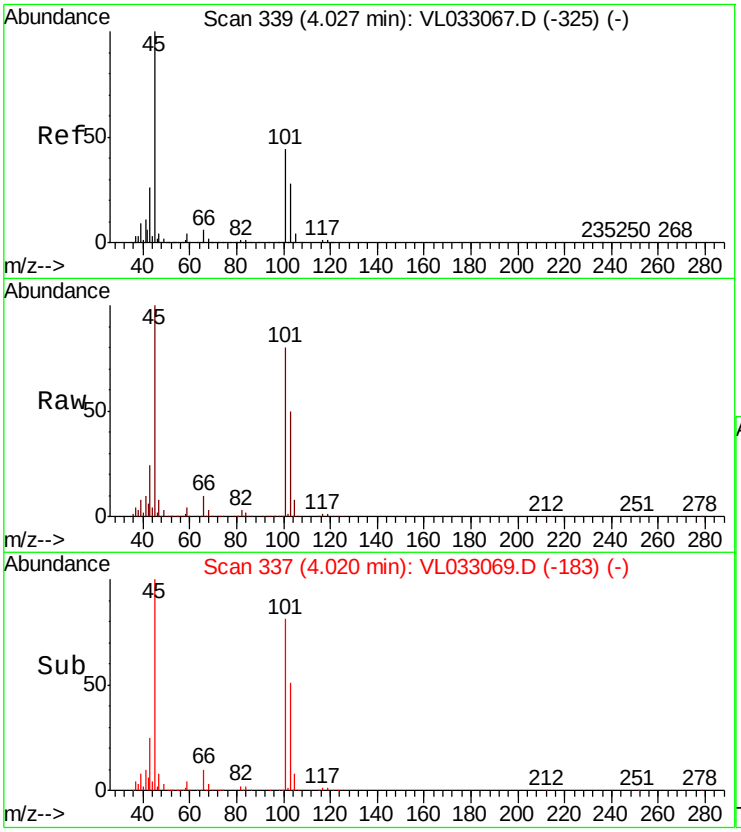


#18
1,1-Dichloroethene
Concen: 9.289 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 96 Resp: 661698

Ion	Ratio	Lower	Upper
96	100		
61	156.8	143.7	215.5
98	63.7	52.1	78.1



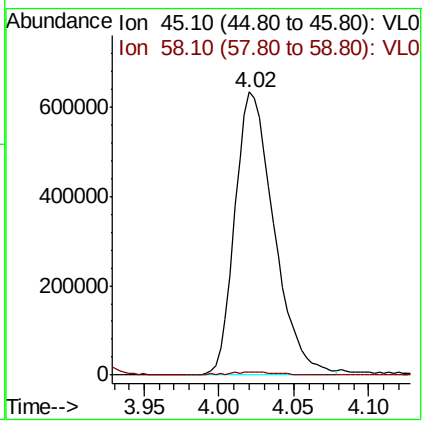


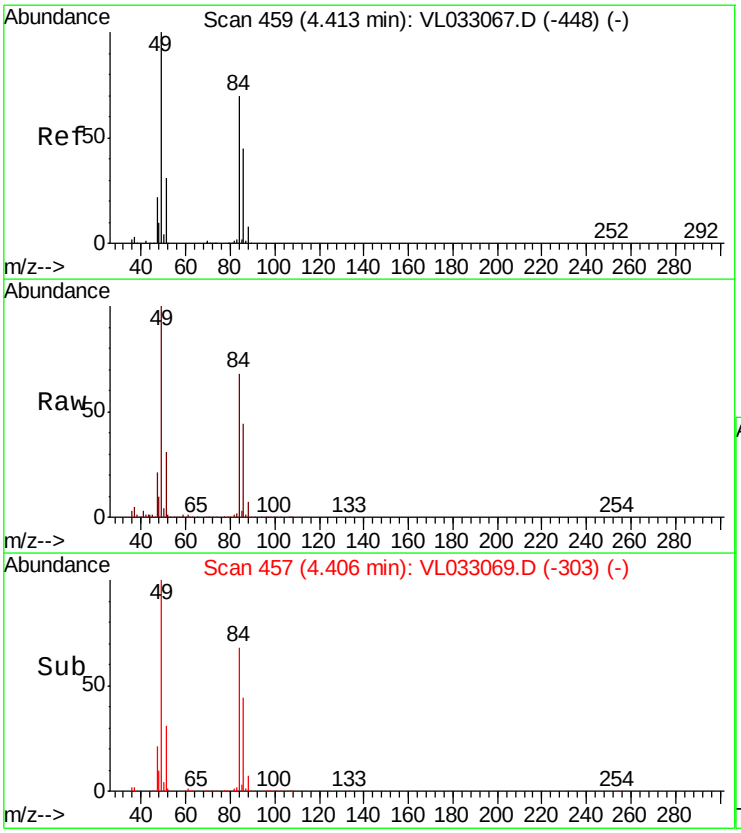
#19
Isopropyl Alcohol
Concen: 10.144 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 45 Resp: 1149510

Ion	Ratio	Lower	Upper
45	100		
58	1.2	1.4	2.2#

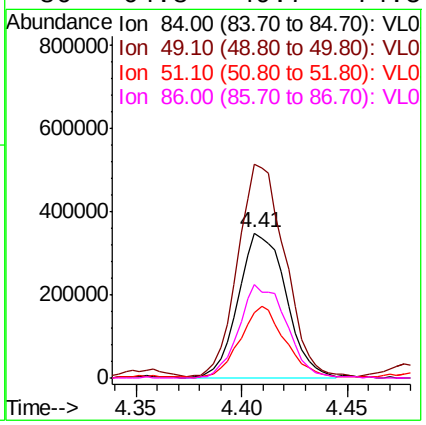


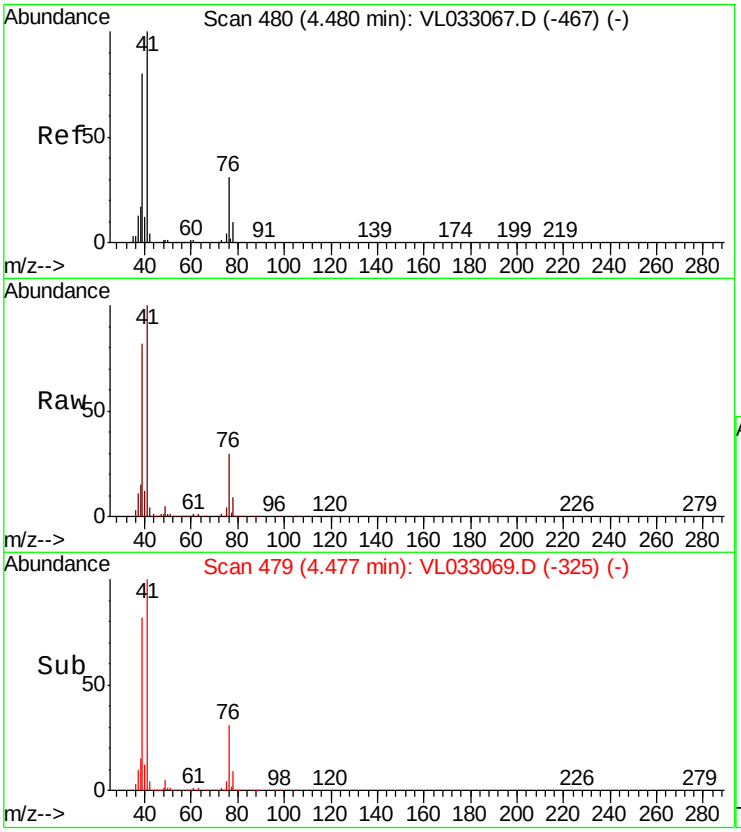


#20
Methylene Chloride
Concen: 7.990 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 84 Resp: 548322

Ion	Ratio	Lower	Upper
84	100		
49	147.0	115.8	173.6
51	44.6	35.7	53.5
86	64.8	49.7	74.5



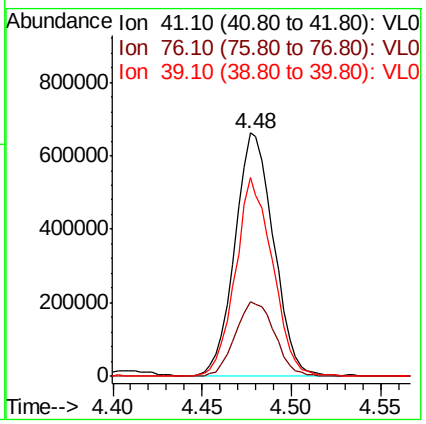


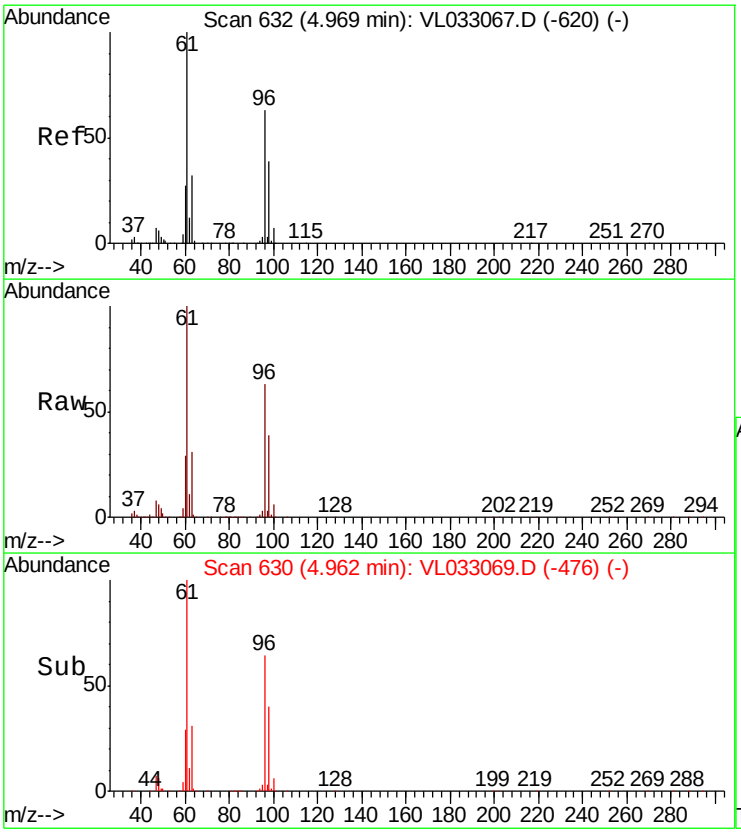
#21
Allyl Chloride
Concen: 9.794 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 41 Resp: 999028

Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.6	36.8
39	78.9	62.8	94.2

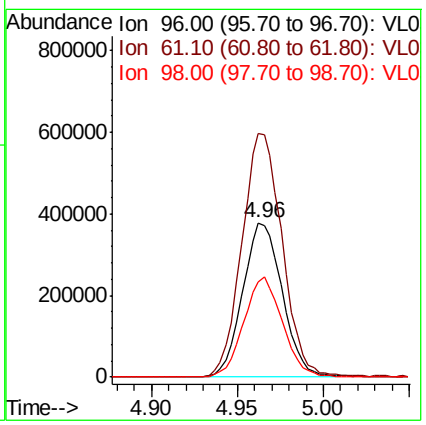


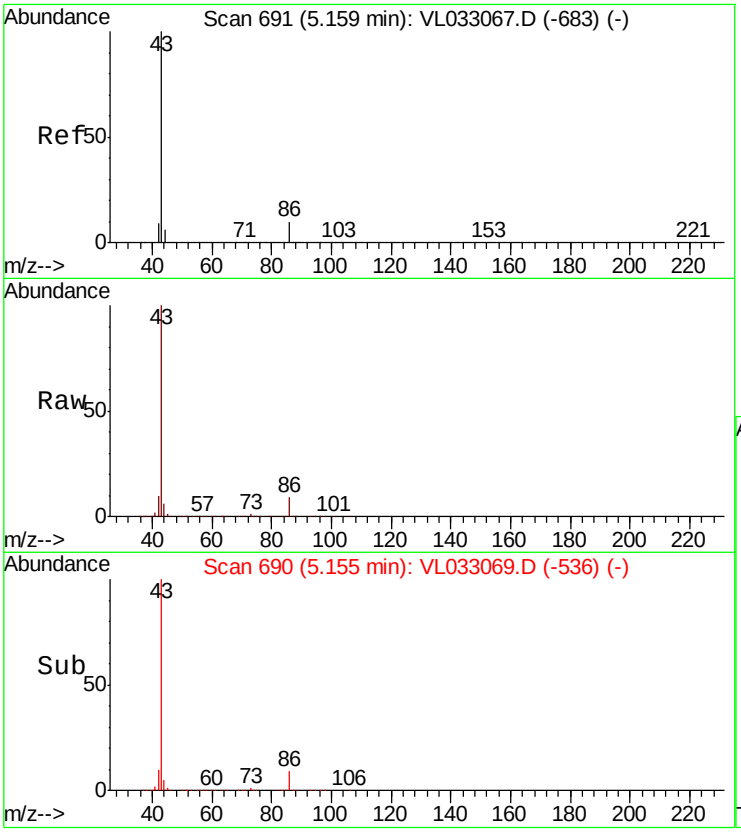


#22
trans-1,2-Dichloroethene
Concen: 8.554 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 96 Resp: 603970

Ion	Ratio	Lower	Upper
96	100		
61	157.5	125.2	187.8
98	61.8	50.9	76.3



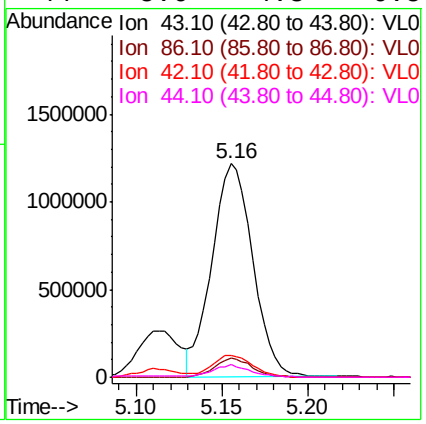


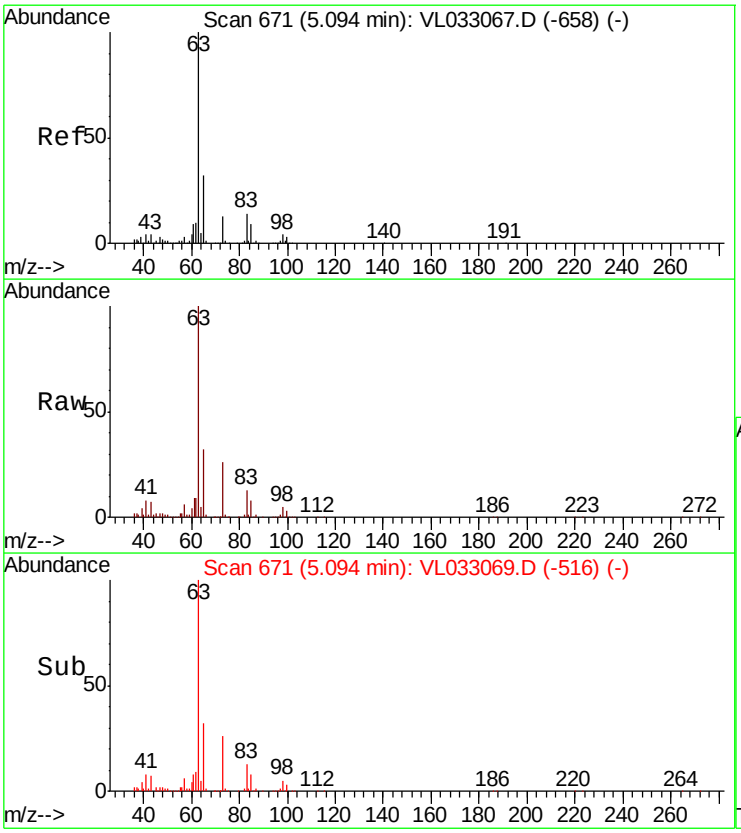
#23
Vinyl Acetate
Concen: 9.599 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 43 Resp: 2010156

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.2	9.4
42	9.9	8.1	12.1
44	5.6	4.3	6.5

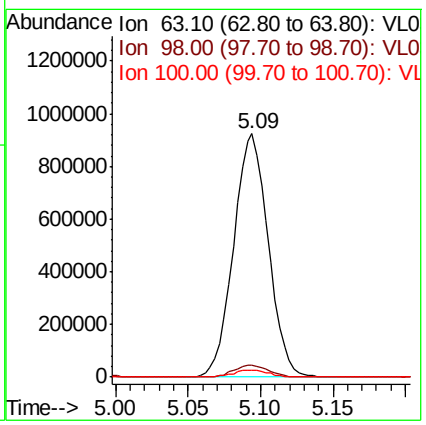


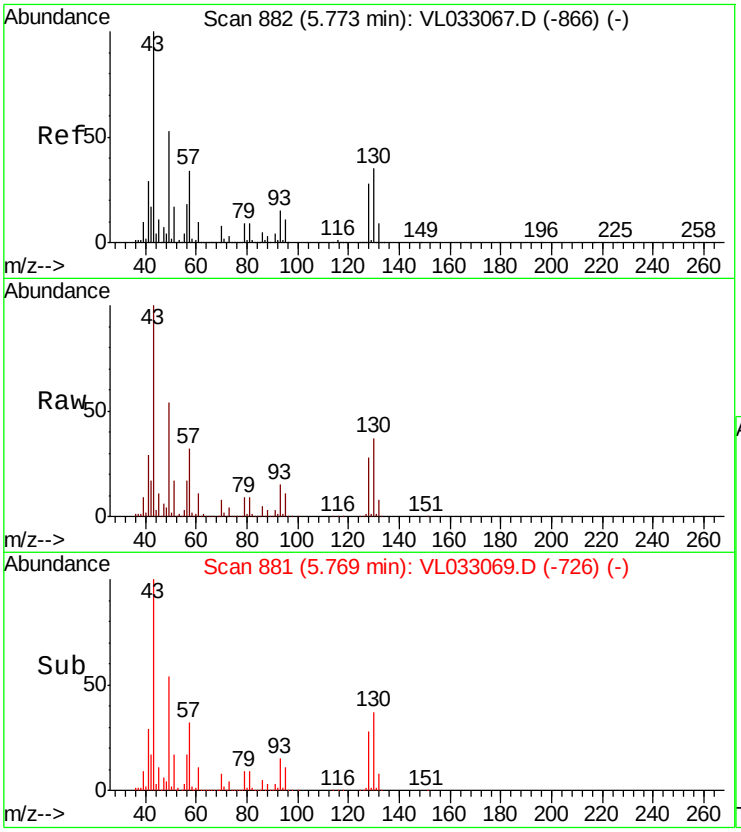


#24
1,1-Dichloroethane
Concen: 8.595 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 63 Resp: 1528115

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.2
100	3.0	1.4	4.0



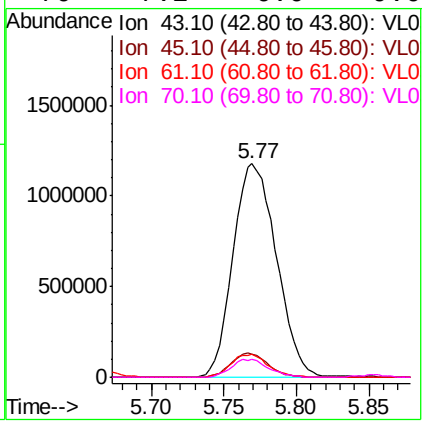


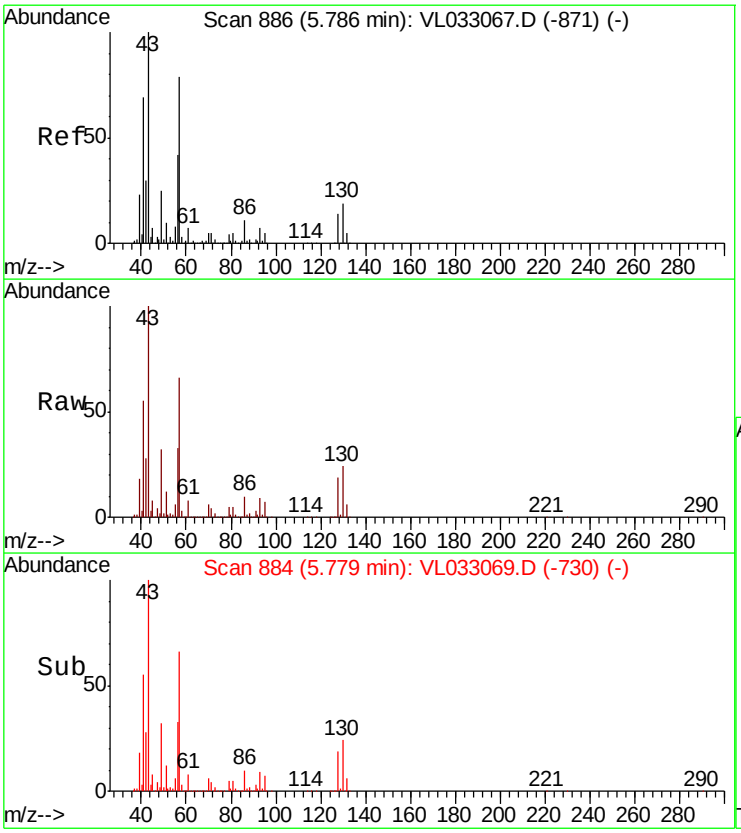
#25
Ethyl Acetate
Concen: 8.793 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 43 Resp: 2446580

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.8
70	7.2	6.0	9.0

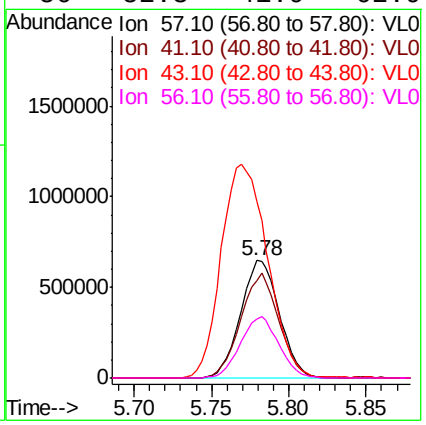


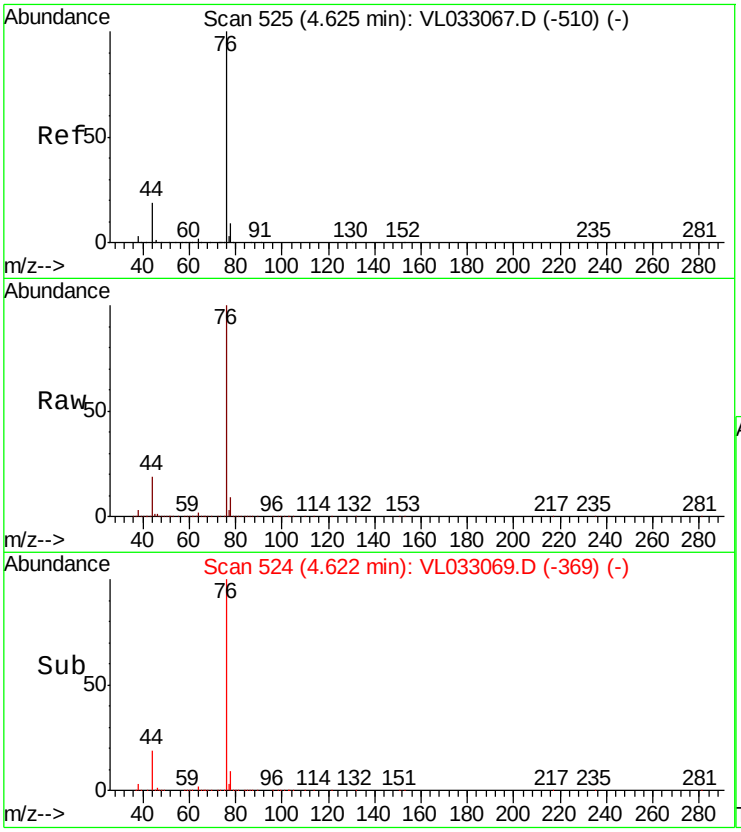


#26
Hexane
Concen: 8.589 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 57 Resp: 1125247

Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.8	106.2
43	218.6	171.8	257.6
56	52.3	41.9	62.9



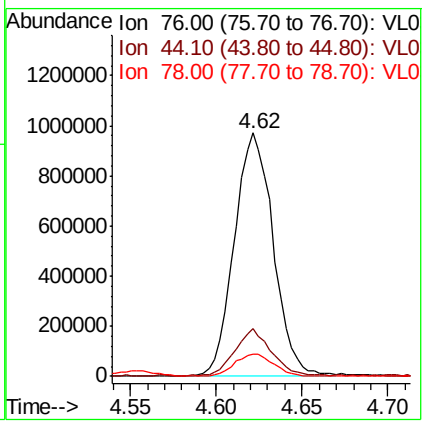


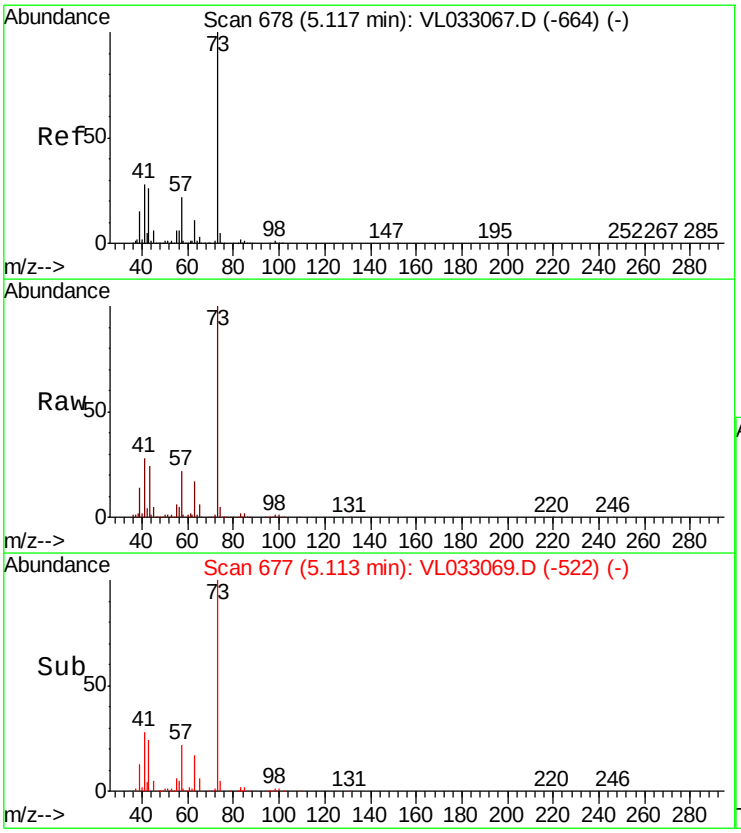
#27
Carbon Disulfide
Concen: 9.430 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 76 Resp: 1523724

Ion	Ratio	Lower	Upper
76	100		
44	18.1	13.9	20.9
78	9.5	7.3	10.9

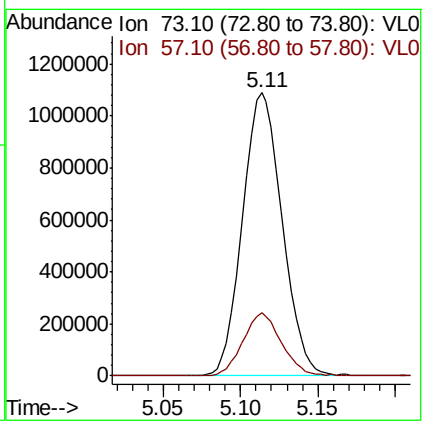


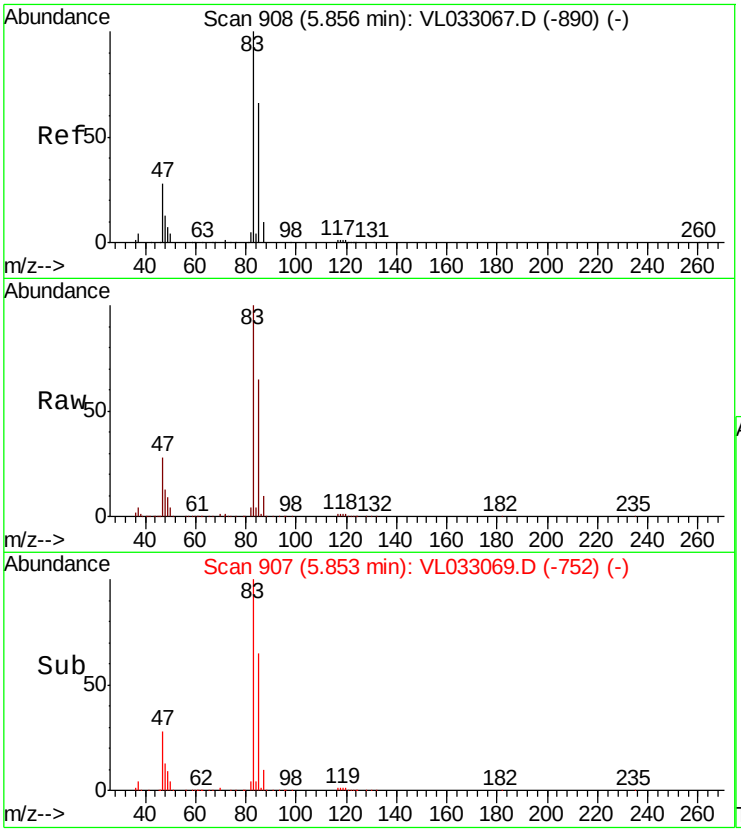


#28
Methyl tert-Butyl Ether
Concen: 9.496 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 73 Resp: 1941868

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3



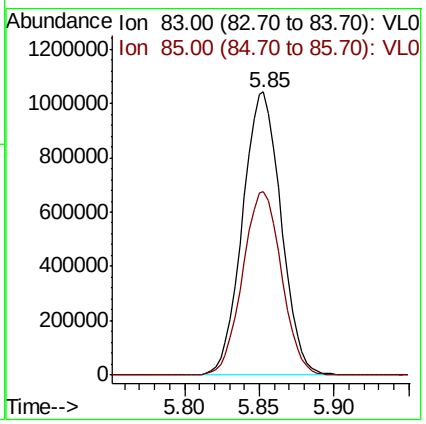


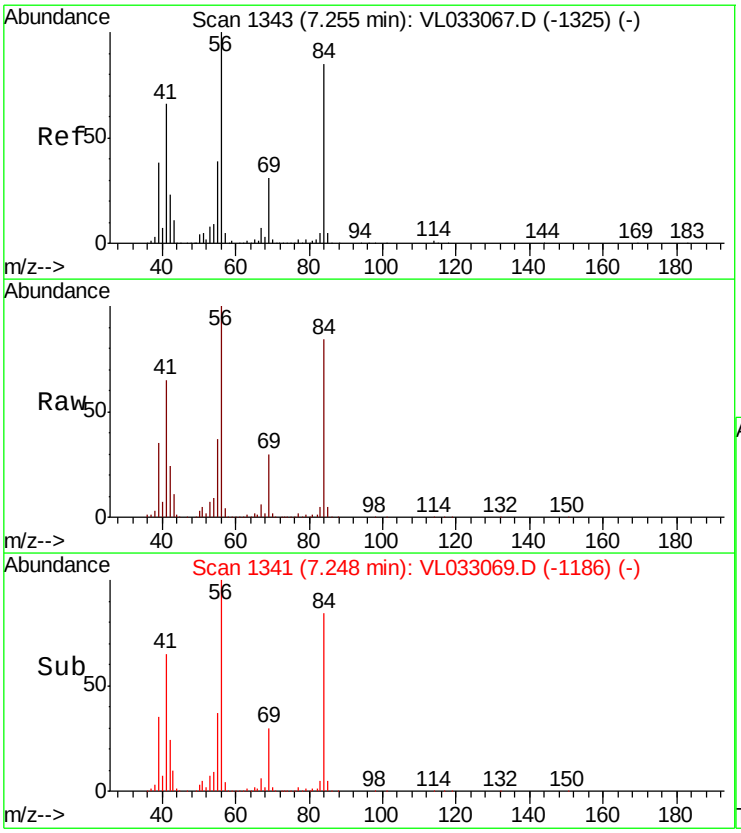
#29
Chloroform
Concen: 8.383 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 83 Resp: 1871732

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7

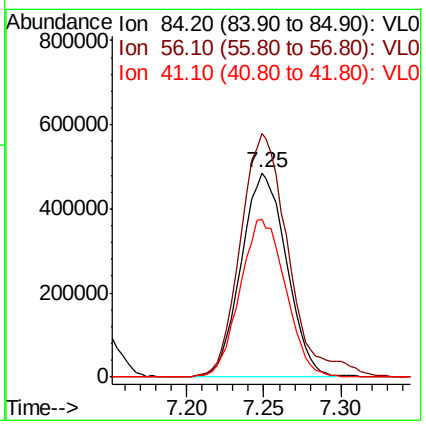


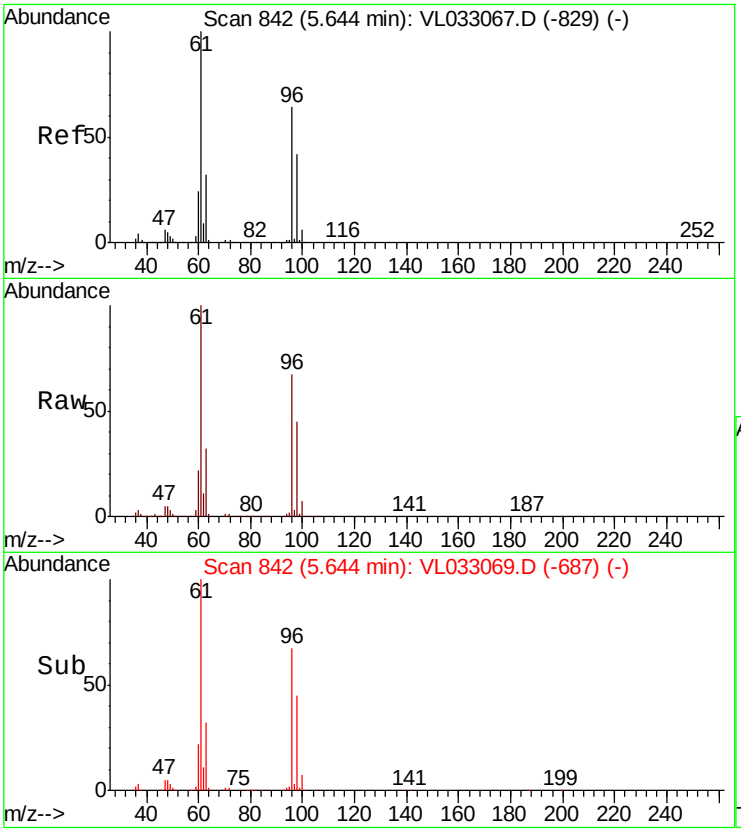


#30
Cyclohexane
Concen: 10.113 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 84 Resp: 987929

Ion	Ratio	Lower	Upper
84	100		
56	127.0	101.8	152.6
41	78.1	63.2	94.8



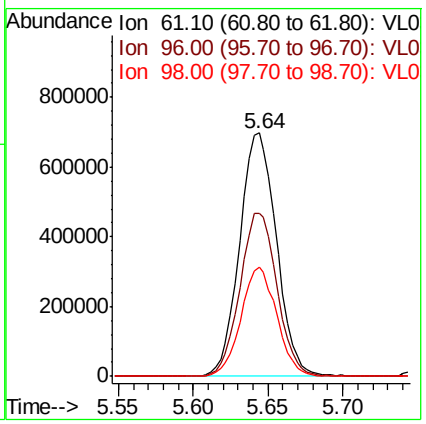


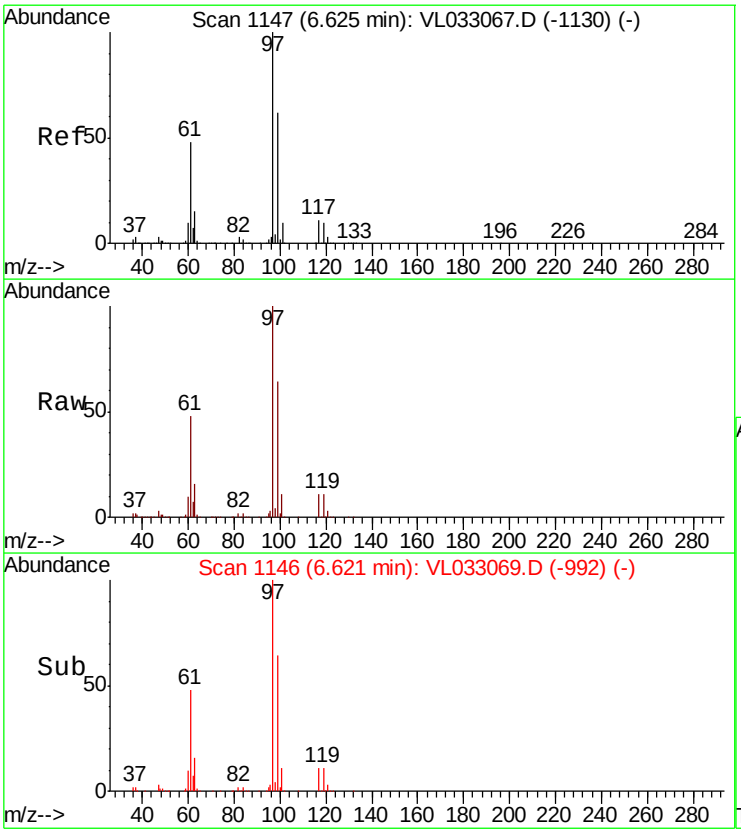
#31
cis-1,2-Dichloroethene
Concen: 9.846 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 61 Resp: 1197861

Ion	Ratio	Lower	Upper
61	100		
96	66.8	52.8	79.2
98	45.0	33.8	50.6

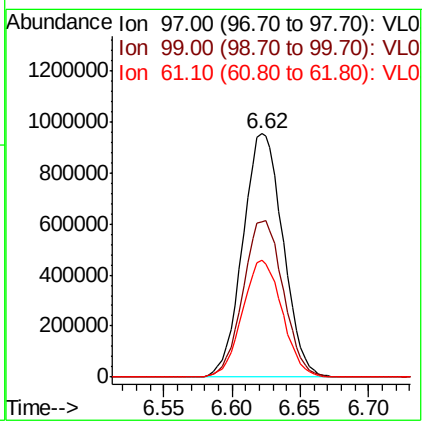


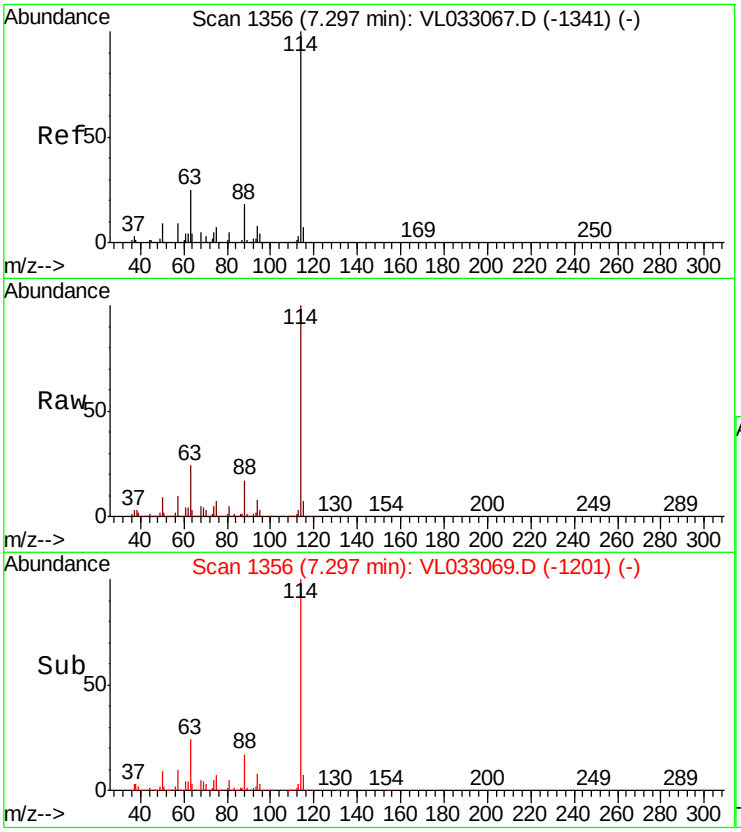


#32
1,1,1-Trichloroethane
Concen: 8.609 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 97 Resp: 1950817

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	47.5	38.3	57.5



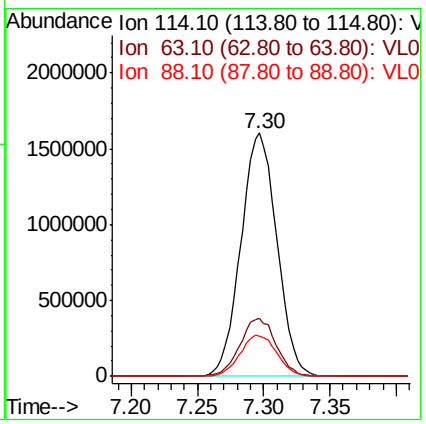


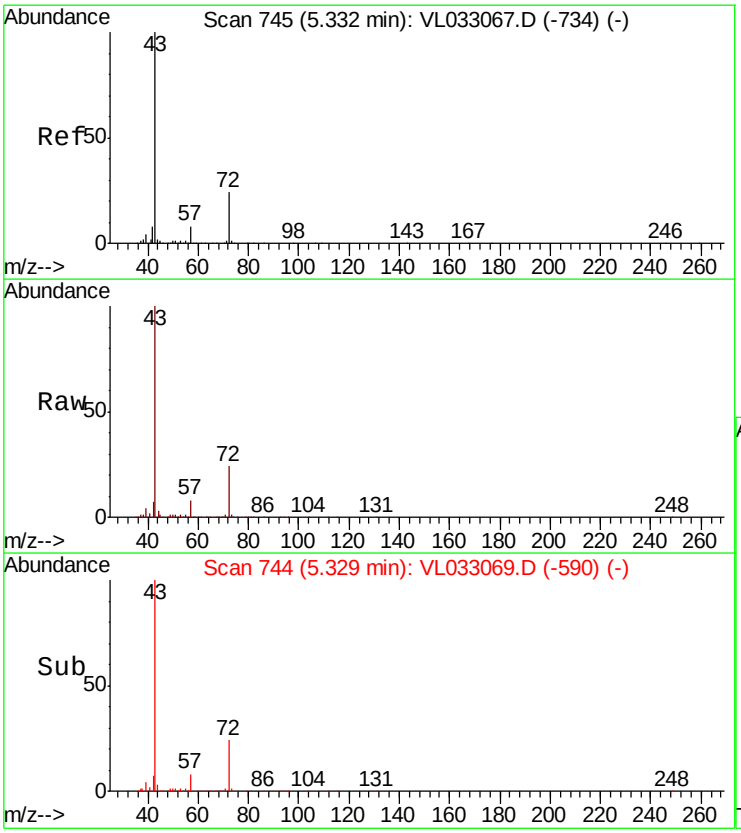
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:114 Resp: 3022286

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.1	30.1
88	17.3	14.0	21.0

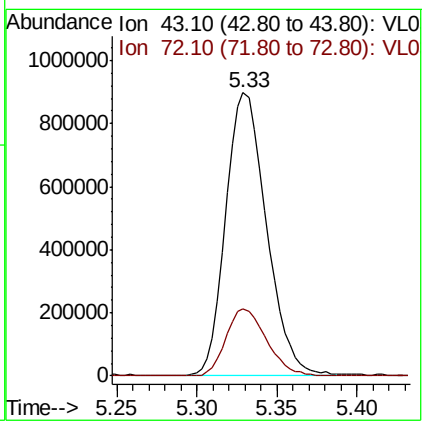


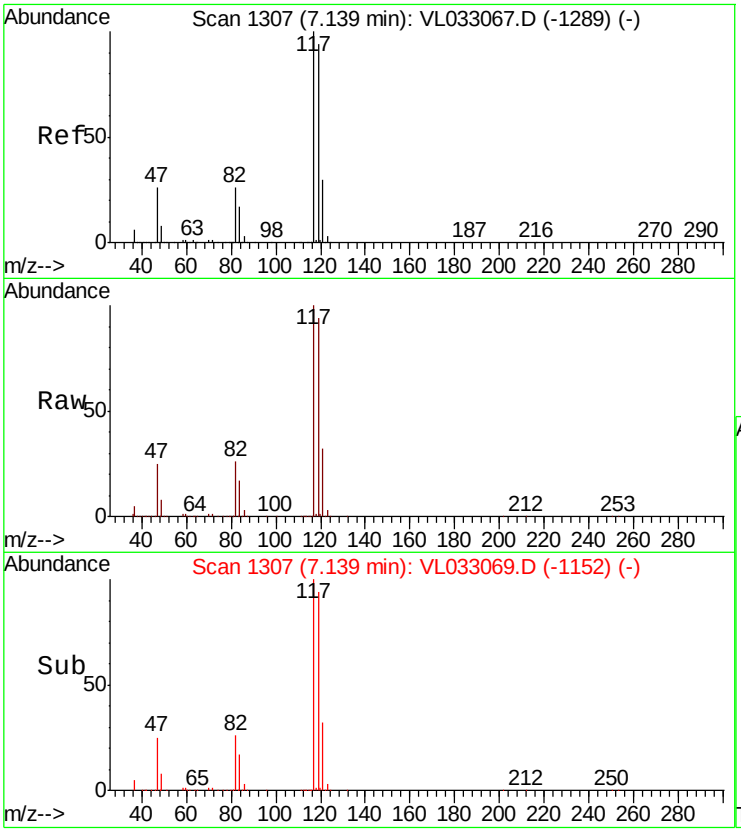


#34
2-Butanone
Concen: 8.837 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 43 Resp: 1551795

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.9	28.3



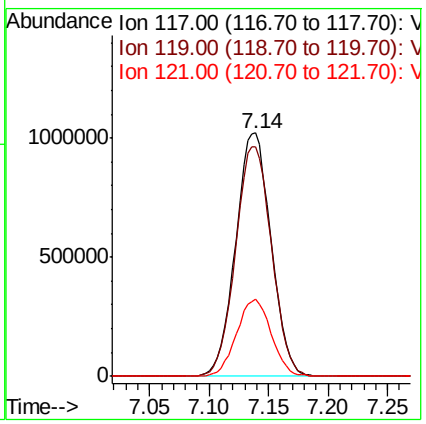


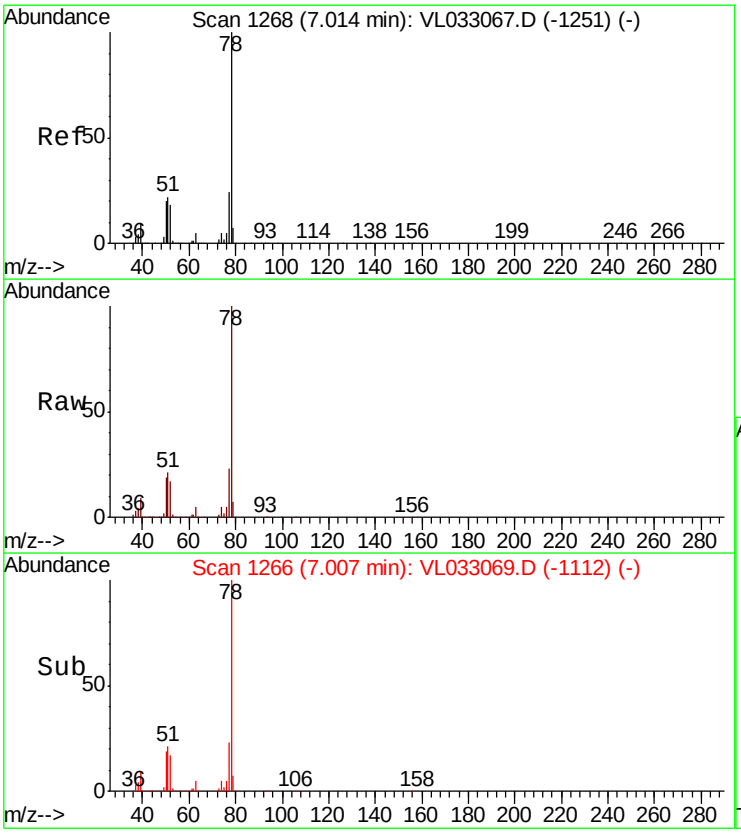
#35
Carbon Tetrachloride
Concen: 8.103 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:117 Resp: 2103626

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
121	31.5	25.2	37.8

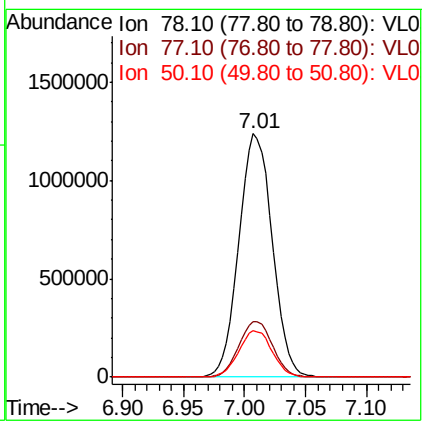


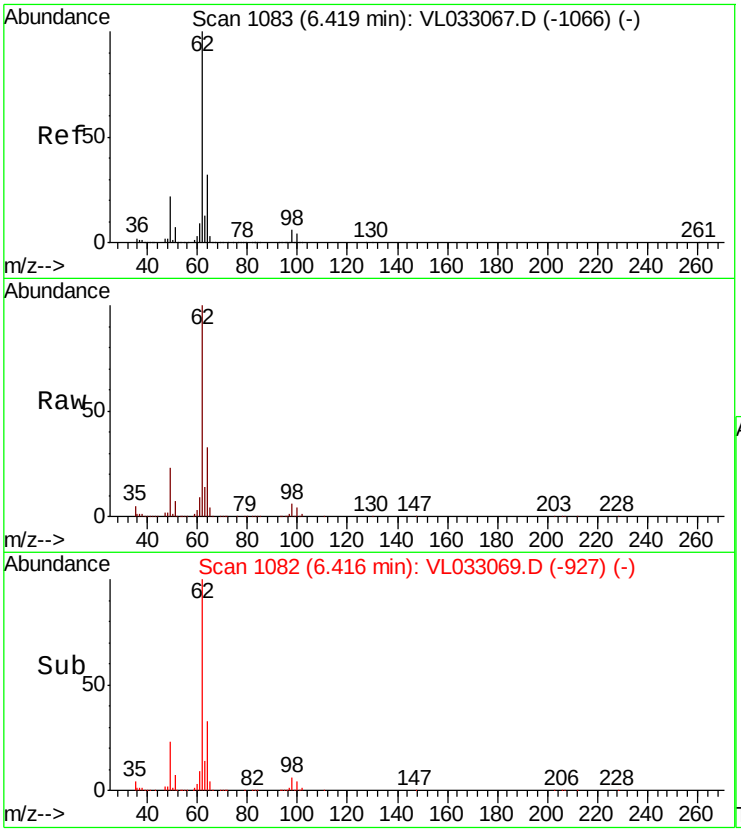


#36
Benzene
Concen: 9.447 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 78 Resp: 2338801

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.5	27.7
50	18.8	15.7	23.5



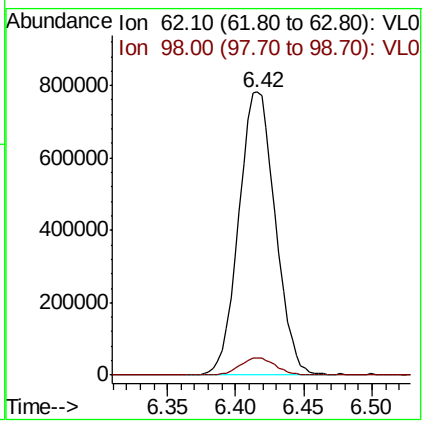


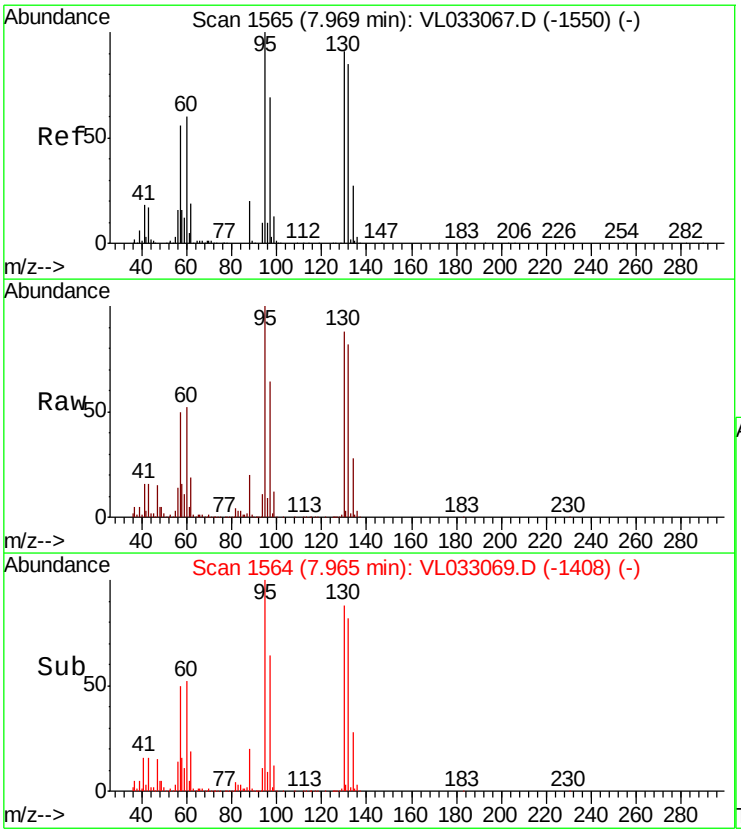
#37
1,2-Dichloroethane
Concen: 8.412 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 62 Resp: 1454120

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.6	7.0

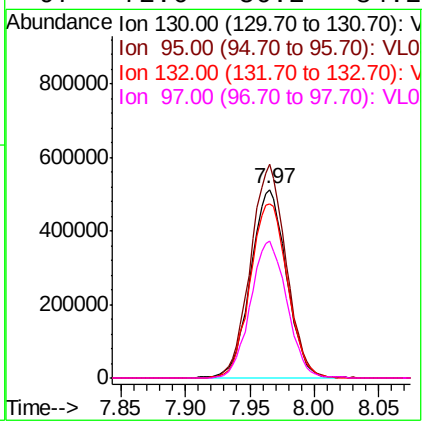


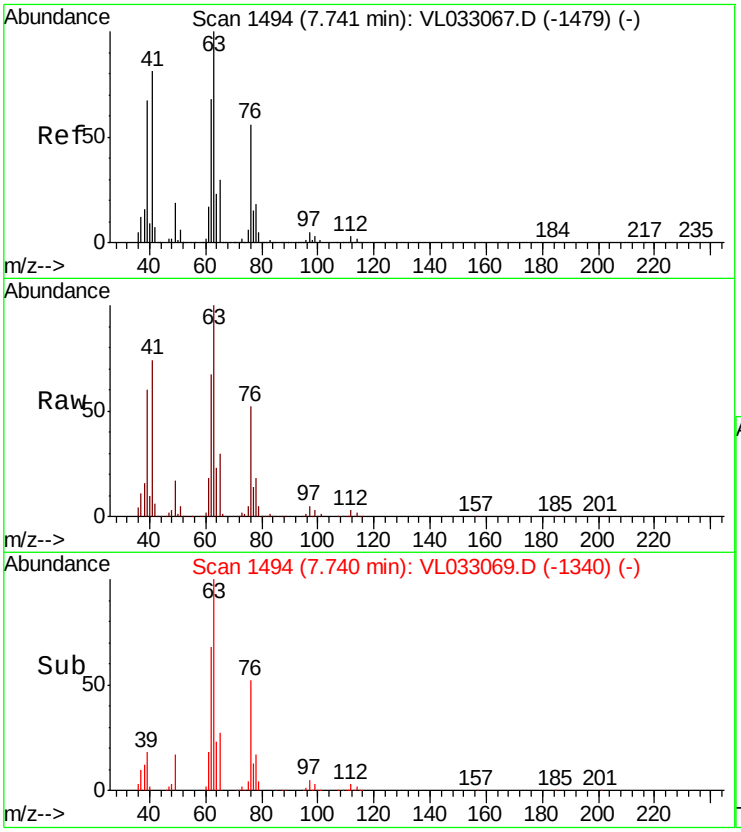


#38
Trichloroethene
Concen: 9.695 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:130 Resp: 987445

Ion	Ratio	Lower	Upper
130	100		
95	113.4	88.6	132.8
132	92.6	74.2	111.2
97	72.6	56.2	84.2



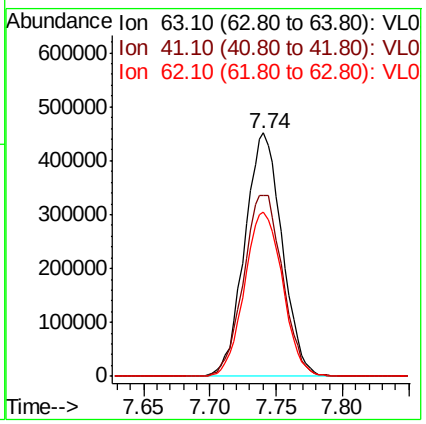


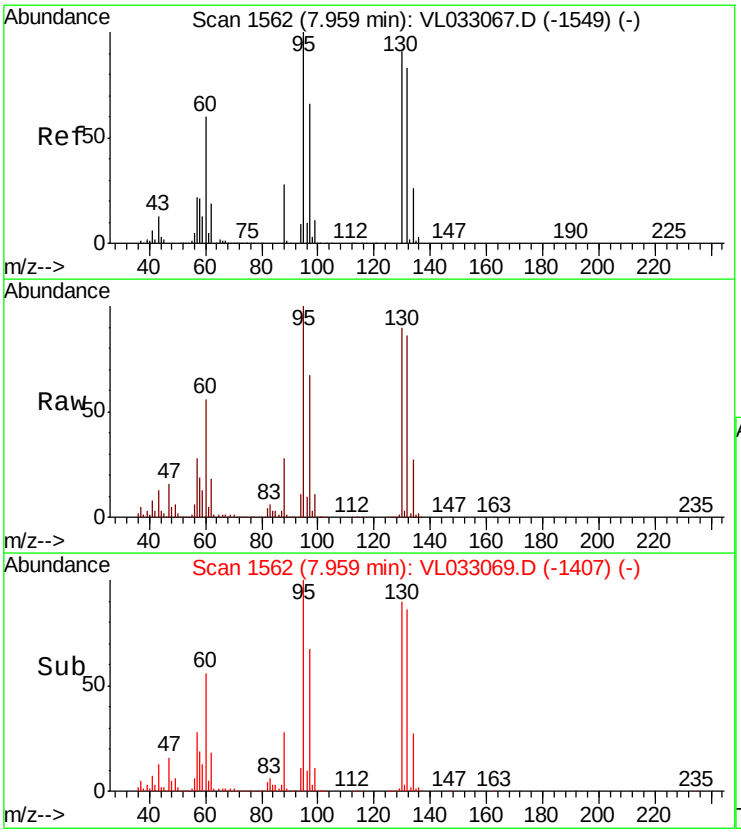
#39
1,2-Dichloropropane
Concen: 9.485 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 63 Resp: 882180

Ion	Ratio	Lower	Upper
63	100		
41	74.4	61.9	92.9
62	67.3	55.8	83.6

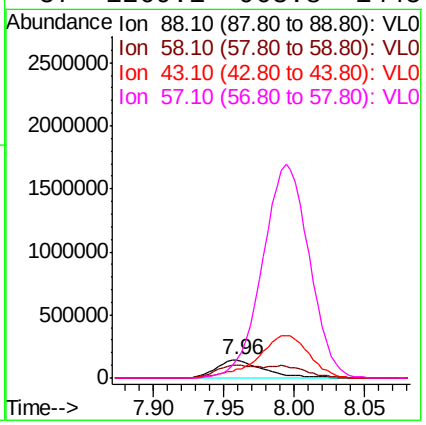


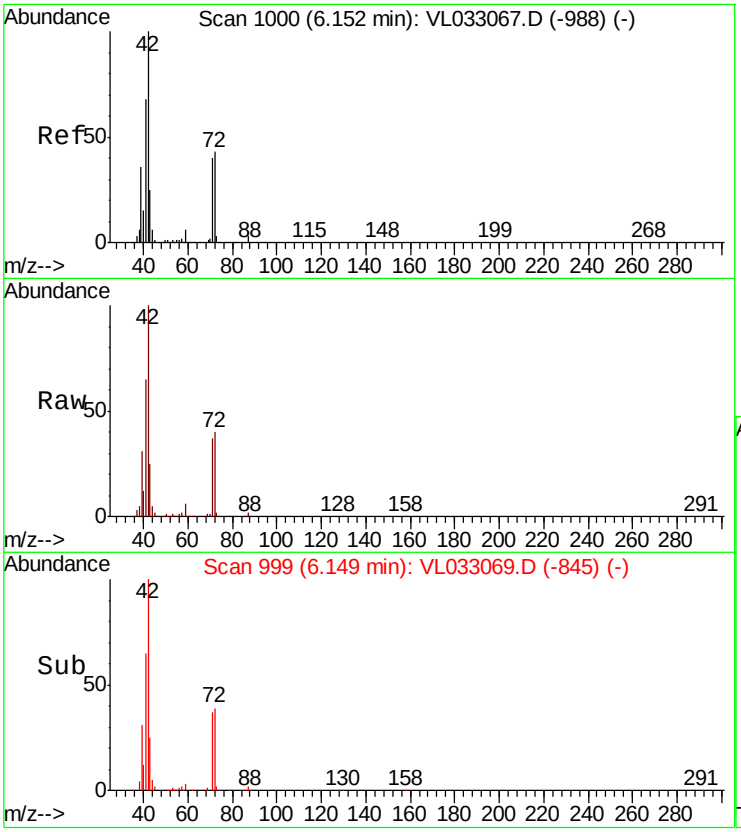


#40
1,4-Dioxane
Concen: 8.752 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 88 Resp: 308995

Ion	Ratio	Lower	Upper
88	100		
58	131.4	101.9	152.9
43	277.8	212.6	319.0
57	1269.1	963.8	1445.6



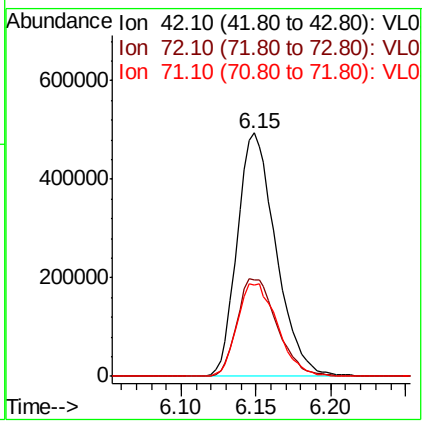


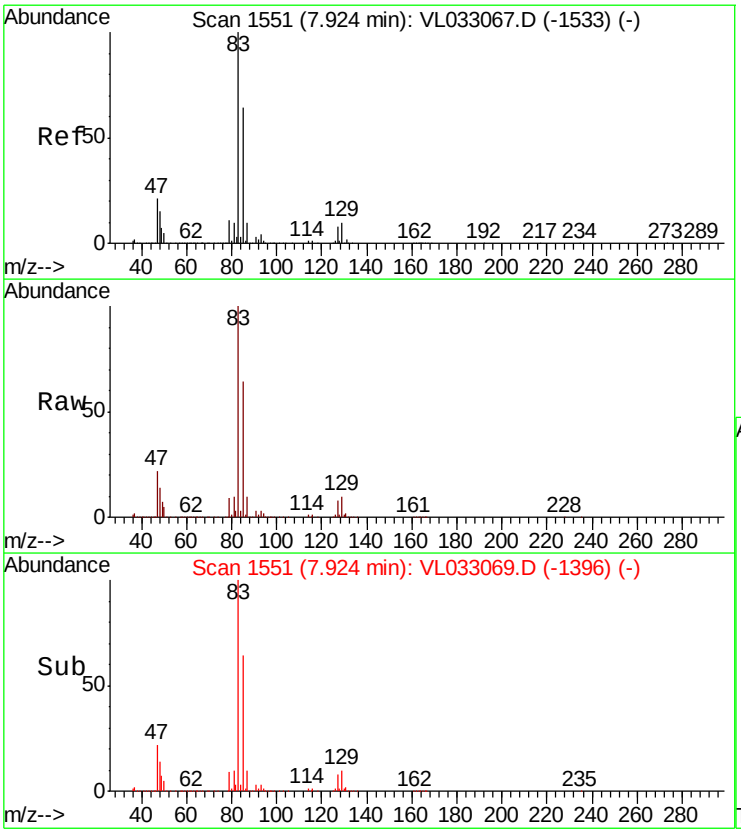
#41
Tetrahydrofuran
Concen: 9.984 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 42 Resp: 892365

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.9	49.3
71	39.8	31.8	47.6

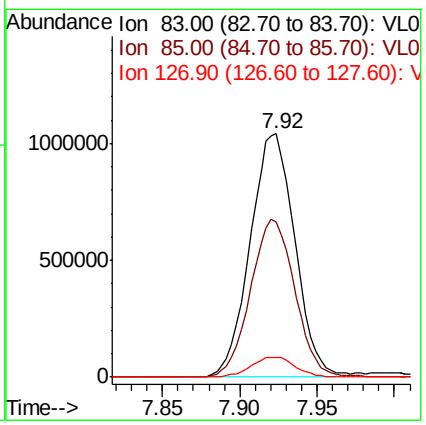


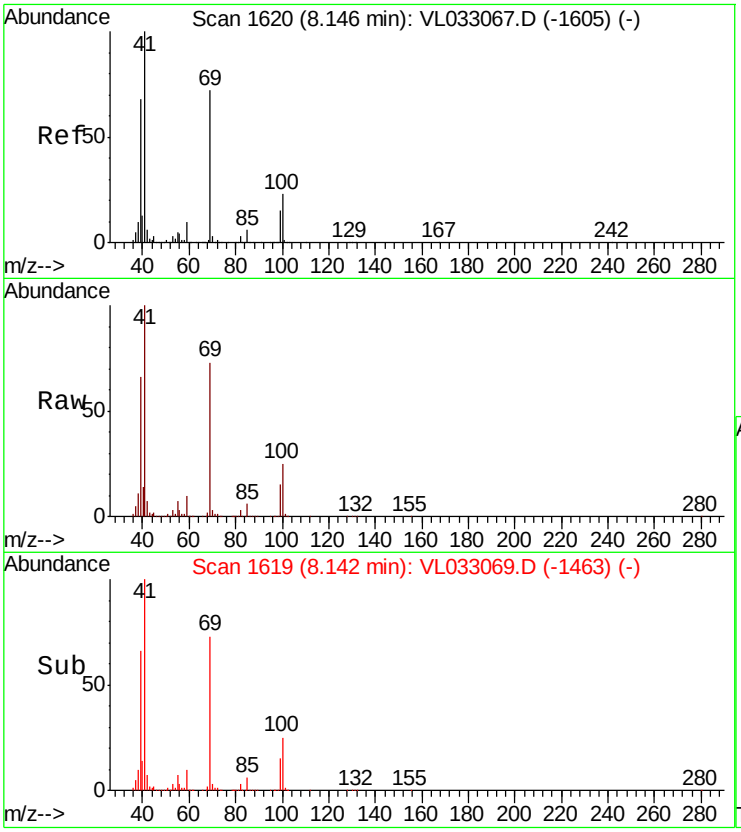


#42
Bromodichloromethane
Concen: 8.799 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 83 Resp: 2089273

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4
127	8.0	6.5	9.7



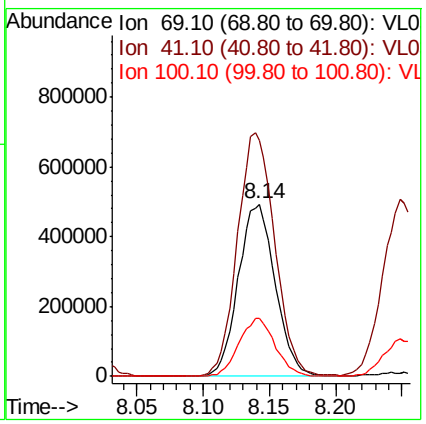


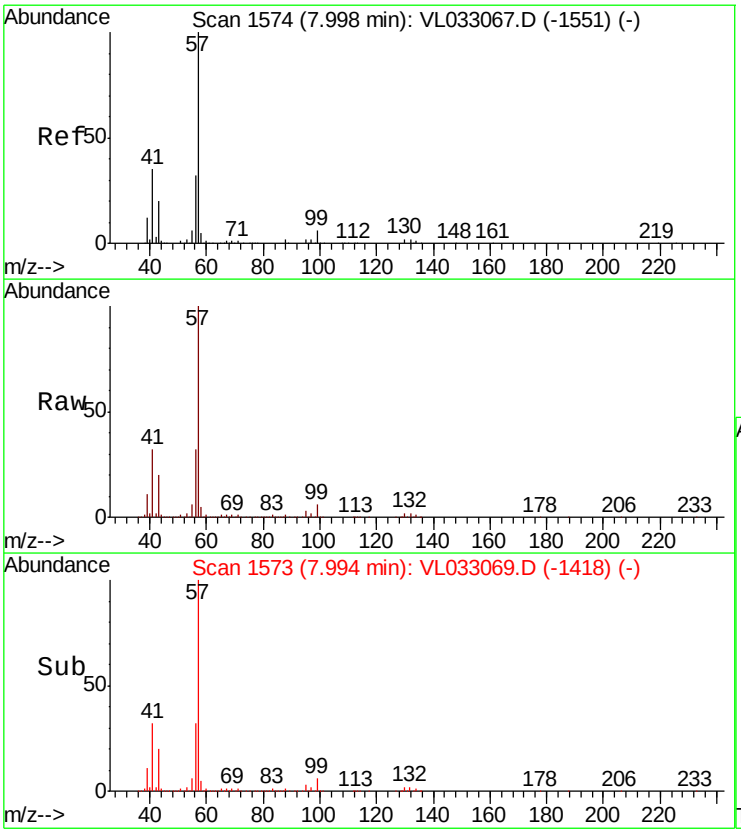
#43
Methyl Methacrylate
Concen: 10.276 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 69 Resp: 954557

Ion	Ratio	Lower	Upper
69	100		
41	142.6	114.0	171.0
100	33.0	26.3	39.5

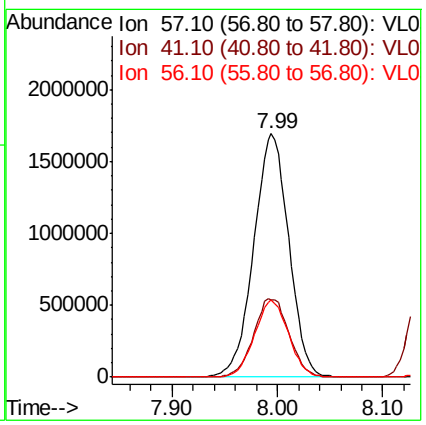


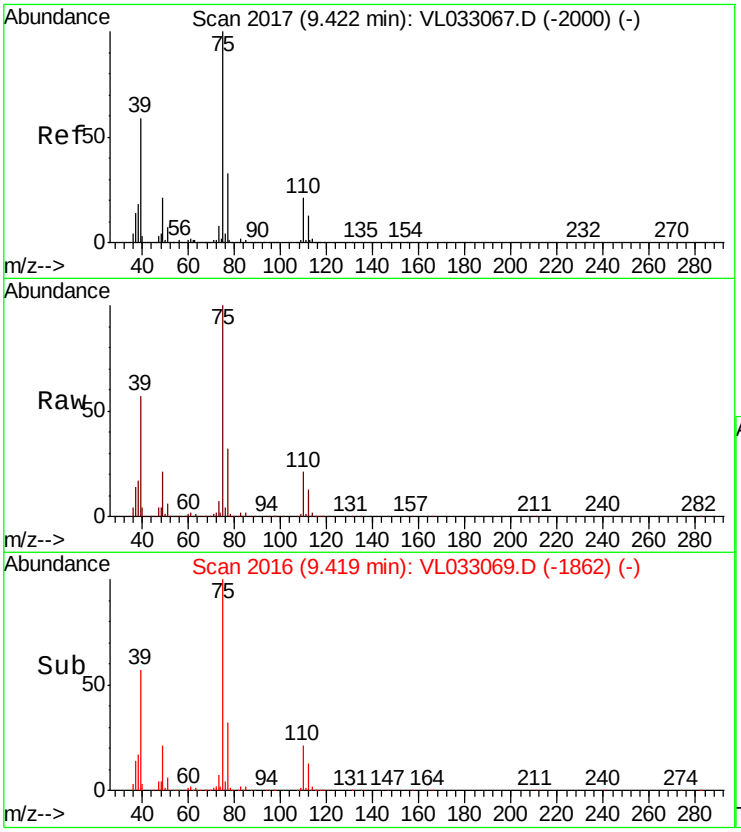


#44
2,2,4-Trimethylpentane
Concen: 9.337 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 57 Resp: 3914628

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.2	39.2
56	30.8	24.9	37.3



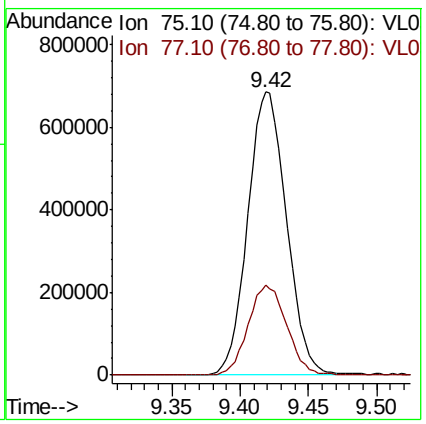


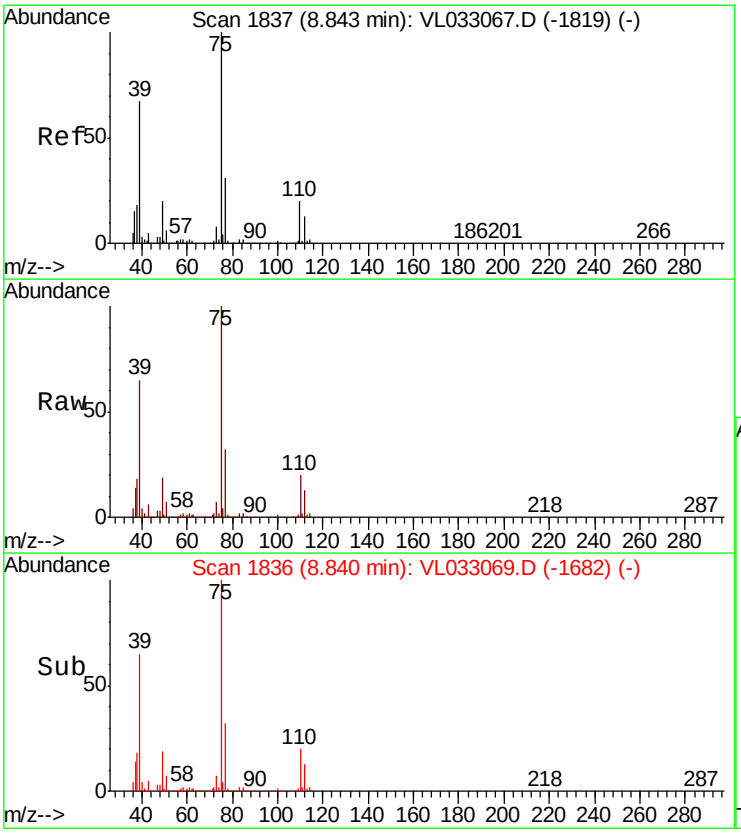
#45
t-1,3-Dichloropropene
Concen: 11.676 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 75 Resp: 1350163

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2

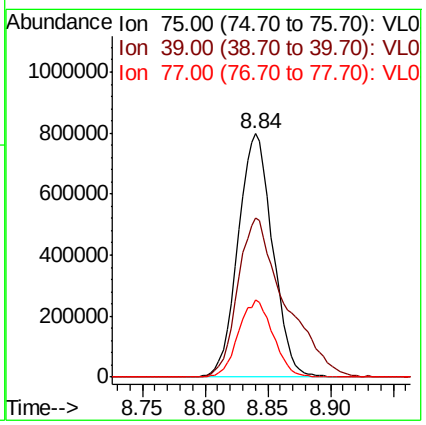


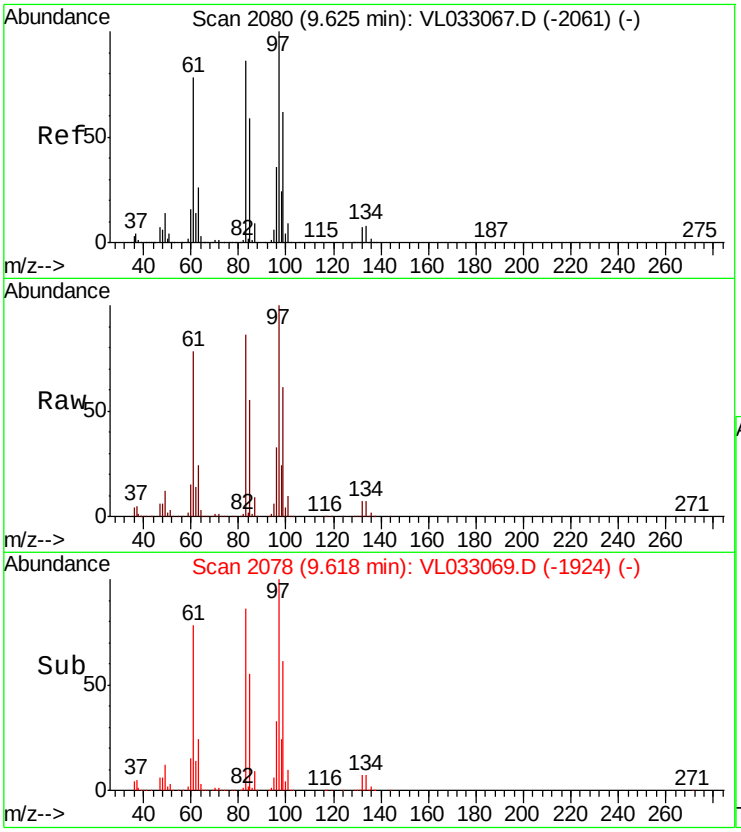


#46
cis-1,3-Dichloropropene
Concen: 11.587 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 75 Resp: 1529256

Ion	Ratio	Lower	Upper
75	100		
39	65.3	51.3	76.9
77	31.5	25.5	38.3



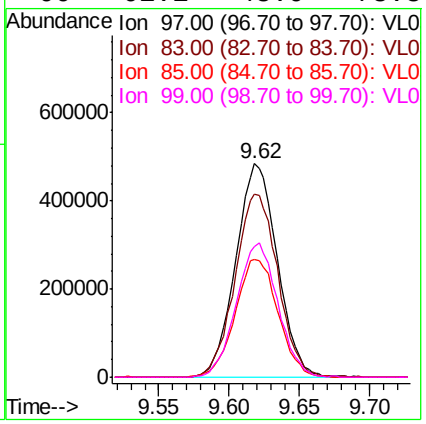


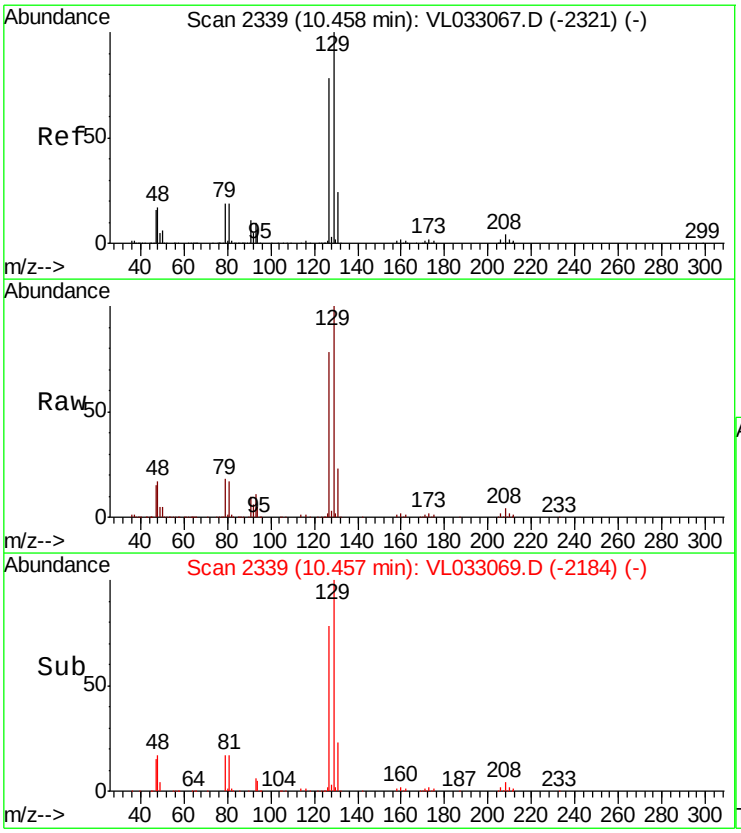
#47
1,1,2-Trichloroethane
Concen: 9.165 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion: 97 Resp: 995796

Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.4	104.2
85	55.2	44.2	66.2
99	61.1	48.9	73.3

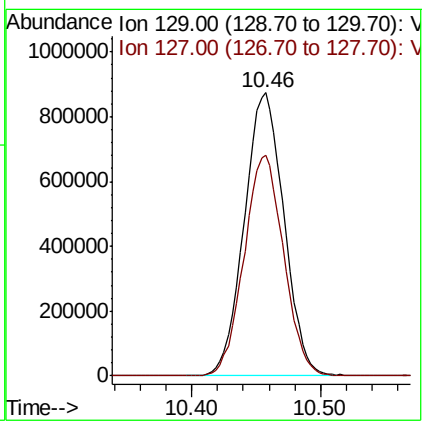


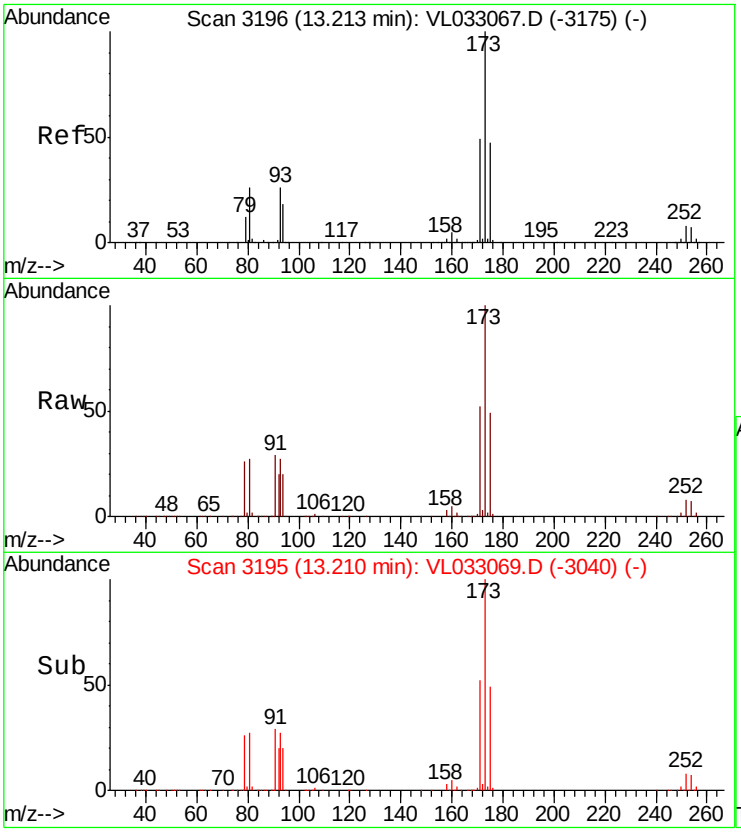


#48
Dibromochloromethane
Concen: 9.753 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:129 Resp: 1872365

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3



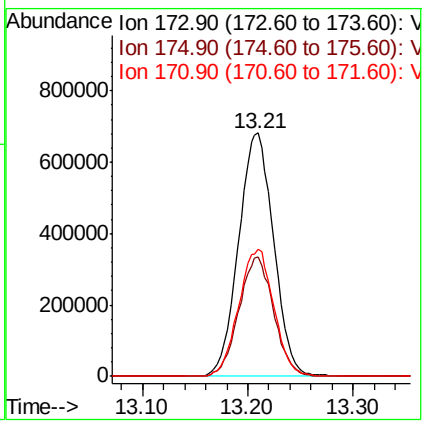


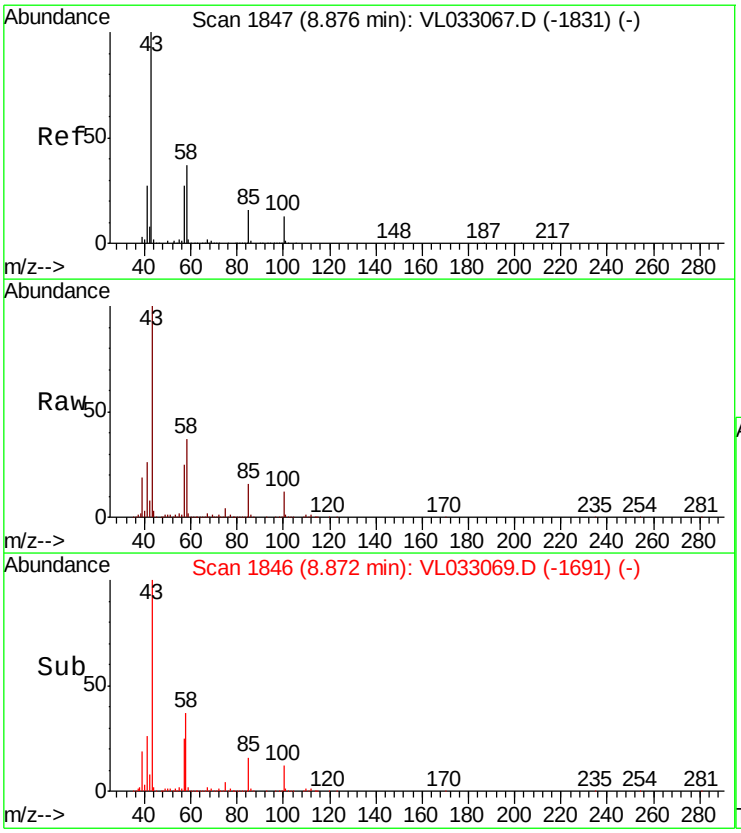
#49
Bromoform
Concen: 9.387 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:173 Resp: 1574442

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.4	59.2
171	52.4	42.1	63.1

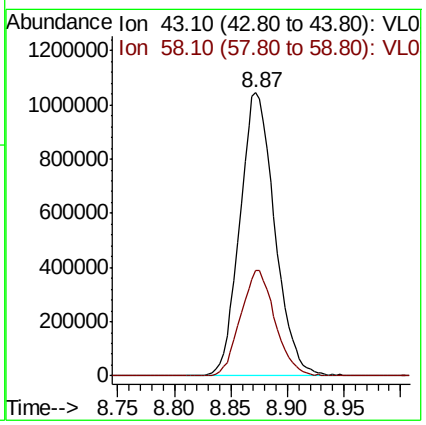


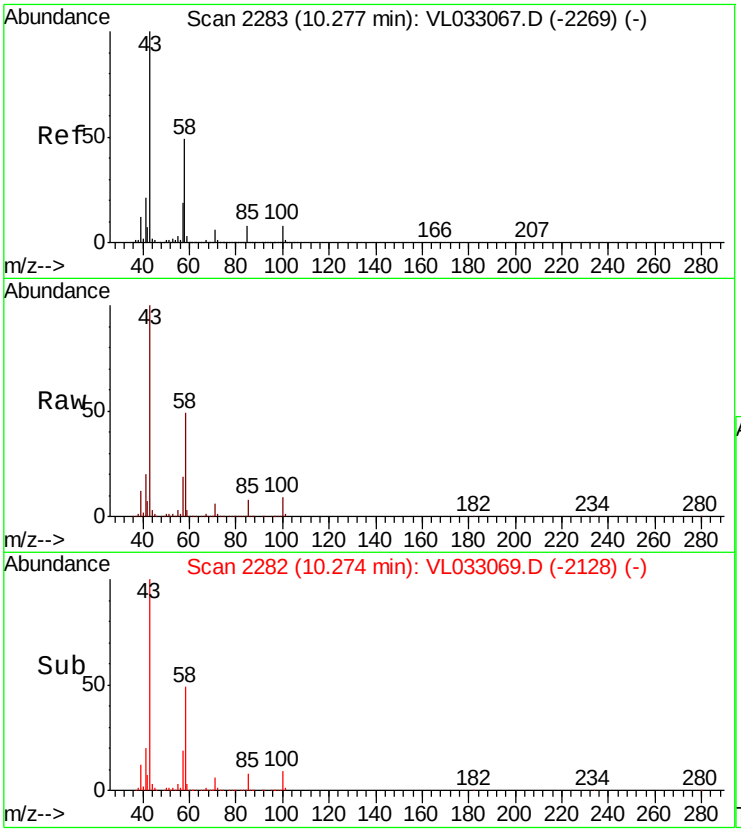


#50
4-Methyl-2-Pentanone
Concen: 10.080 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 43 Resp: 2243012

Ion	Ratio	Lower	Upper
43	100		
58	37.0	28.9	43.3



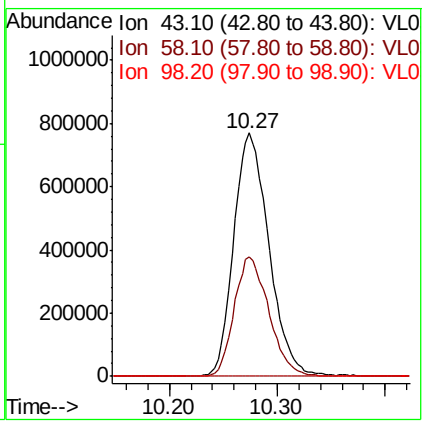


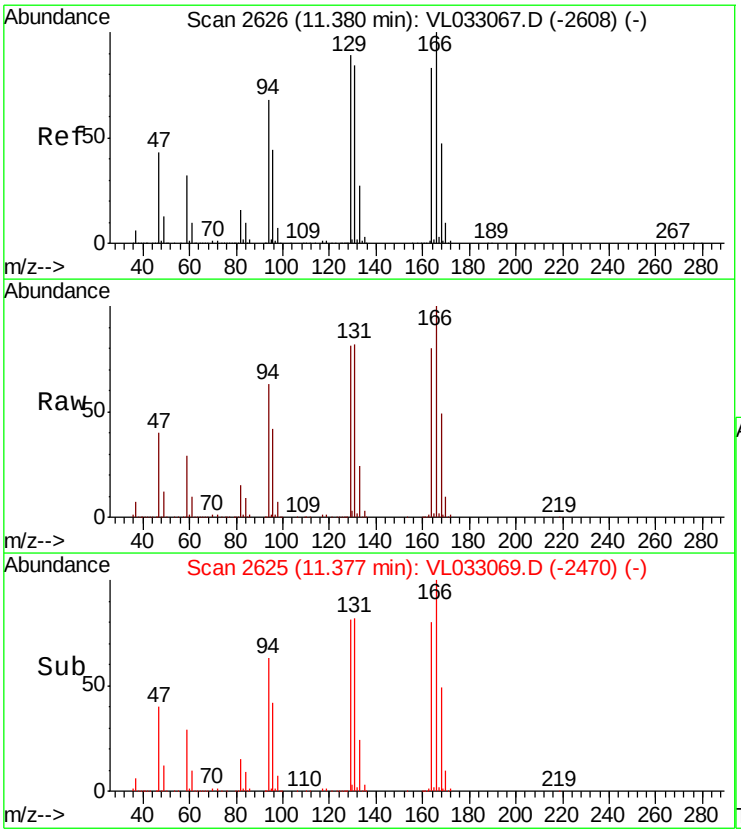
#51
2-Hexanone
Concen: 10.870 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 43 Resp: 1750151

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.0	58.6
98	0.4	0.4	0.6#

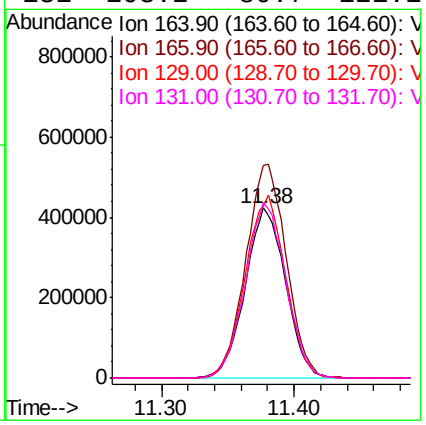


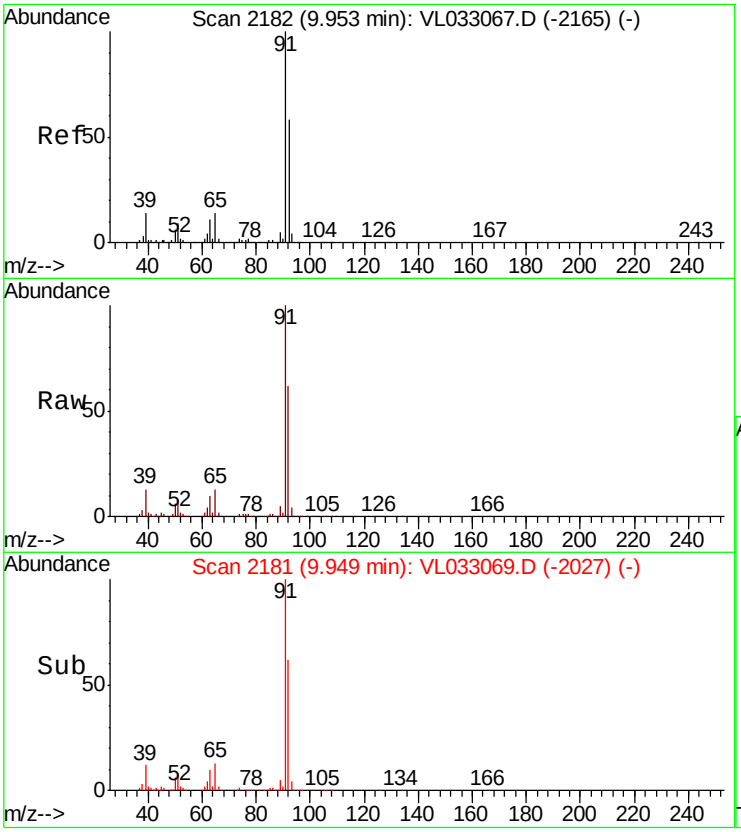


#52
Tetrachloroethene
Concen: 10.200 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:164 Resp: 892567

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.8	151.2
129	101.1	84.6	126.8
131	103.2	80.7	121.1



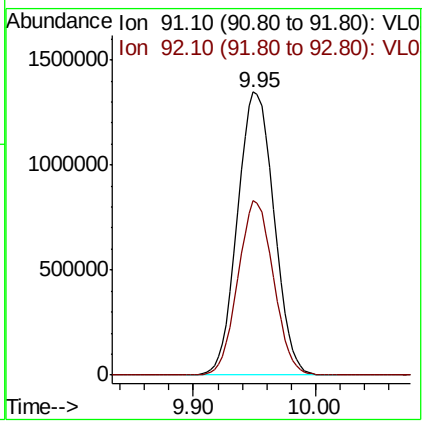


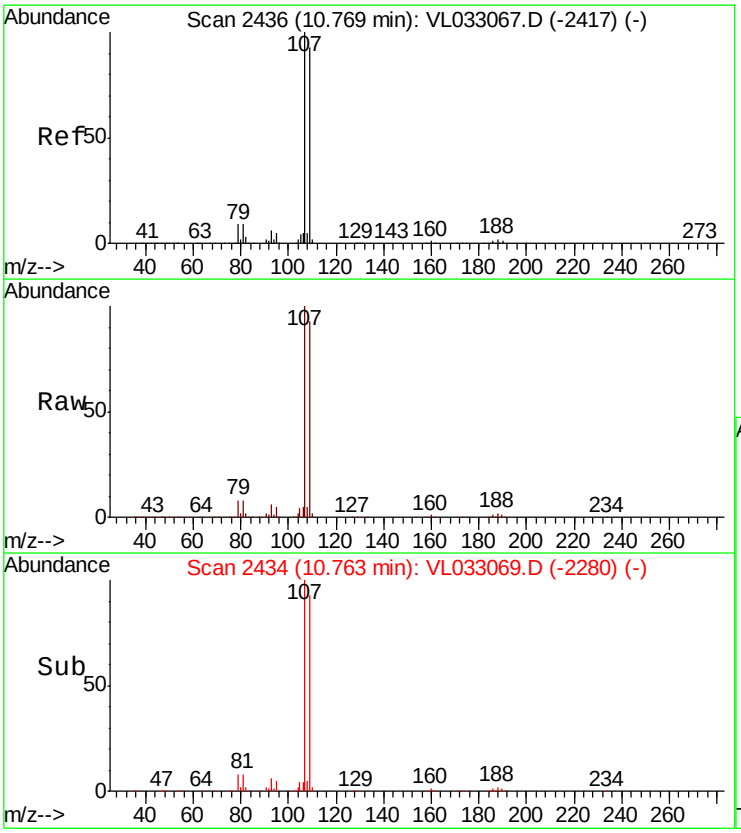
#53
Toluene
Concen: 10.512 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 91 Resp: 2789061

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.7	71.5

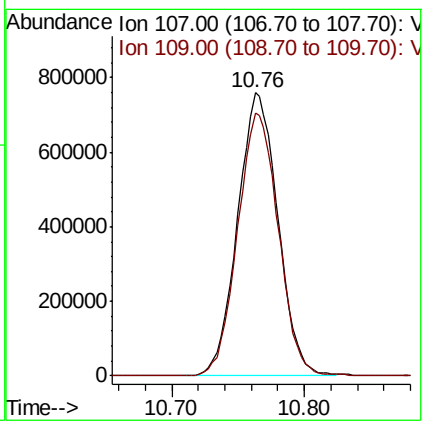


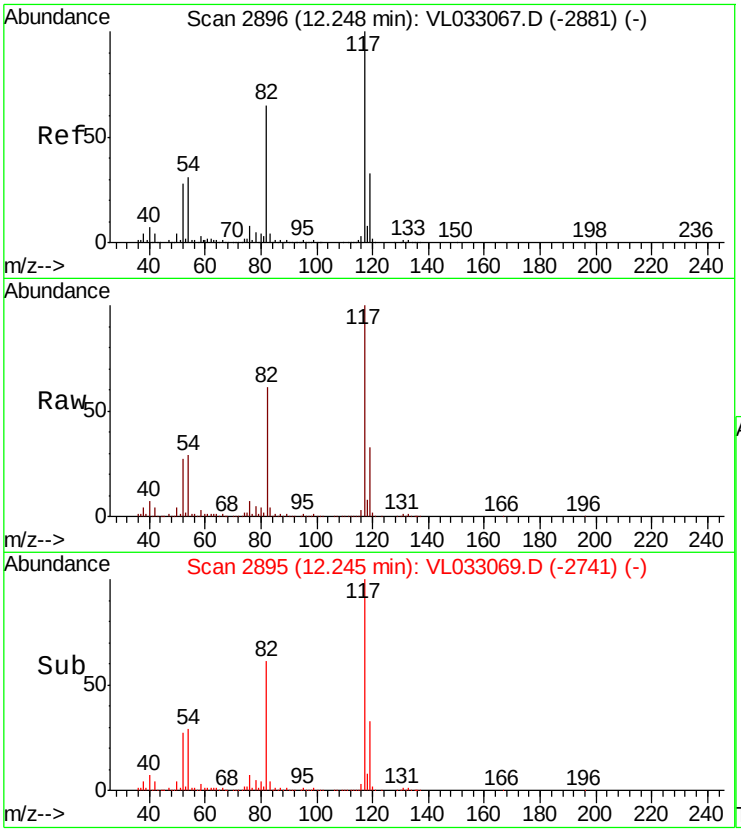


#54
1,2-Dibromoethane
Concen: 10.245 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:107 Resp: 1603890

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.9	112.3



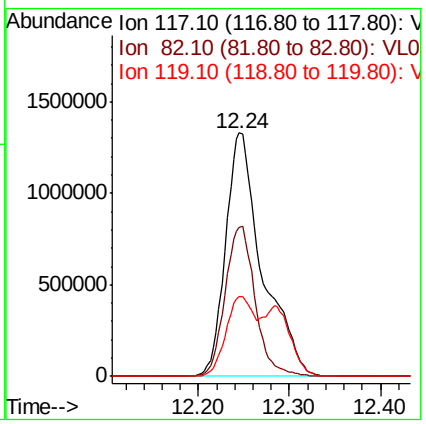


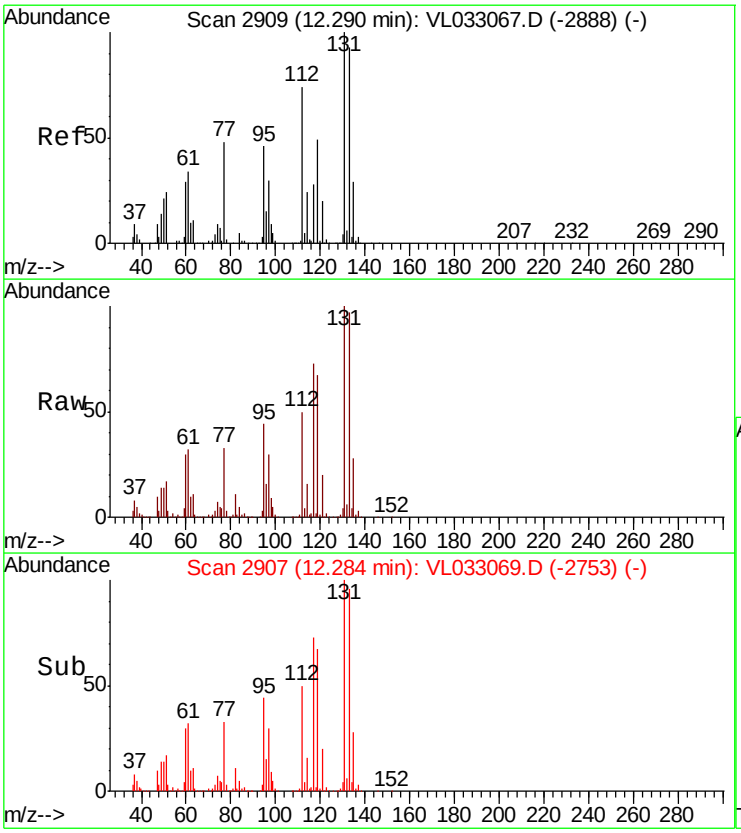
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:117 Resp: 3715480

Ion	Ratio	Lower	Upper
117	100		
82	50.6	48.9	73.3
119	26.6	24.6	37.0

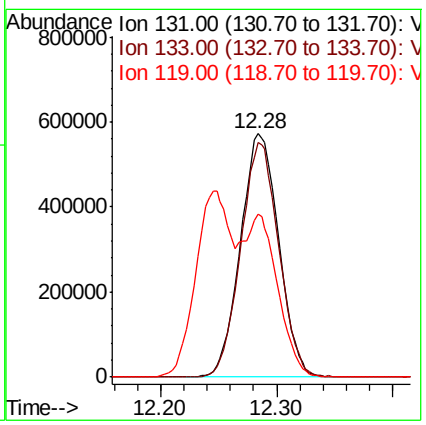


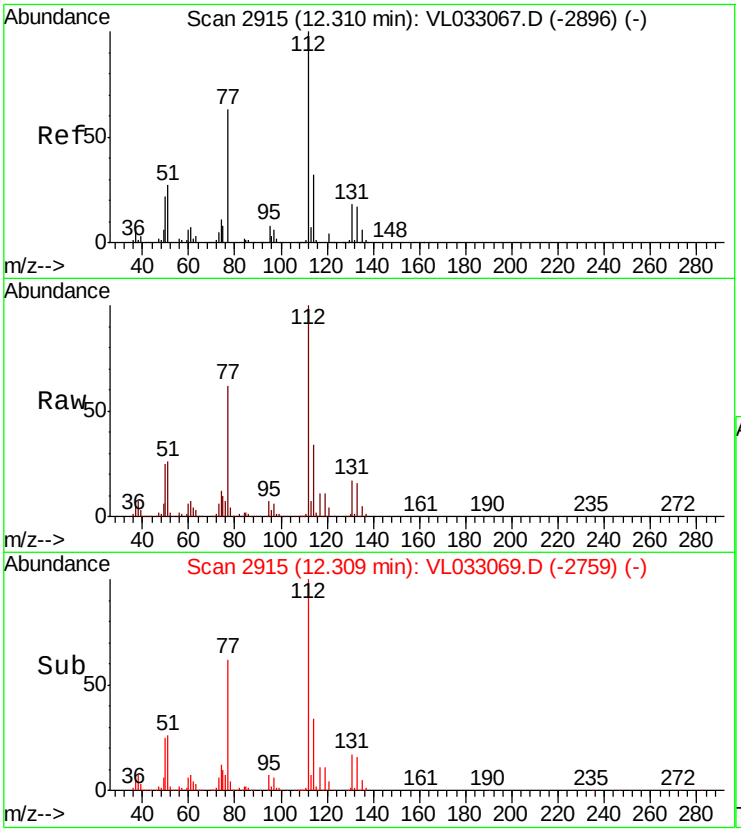


#56
1,1,1,2-Tetrachloroethane
Concen: 6.839 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:131 Resp: 1312836

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.0	114.0
119	58.4	44.2	66.2



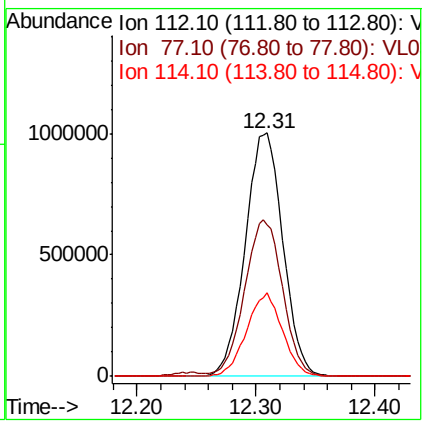


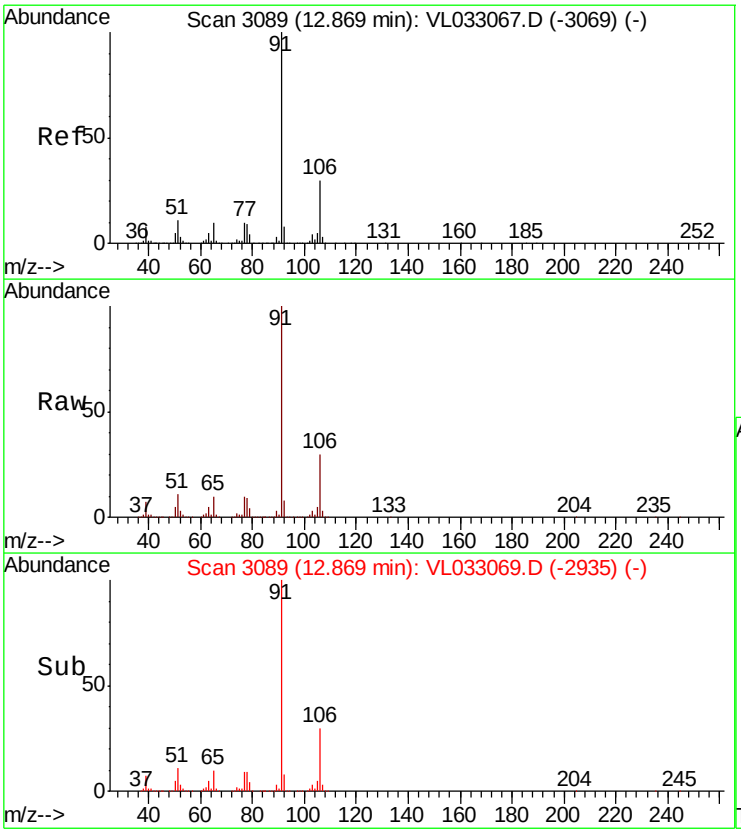
#57
Chlorobenzene
Concen: 7.083 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:112 Resp: 2196674

Ion	Ratio	Lower	Upper
112	100		
77	62.0	53.4	80.0
114	34.2	30.0	36.6

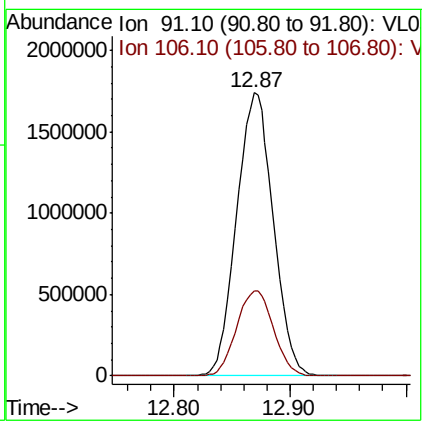


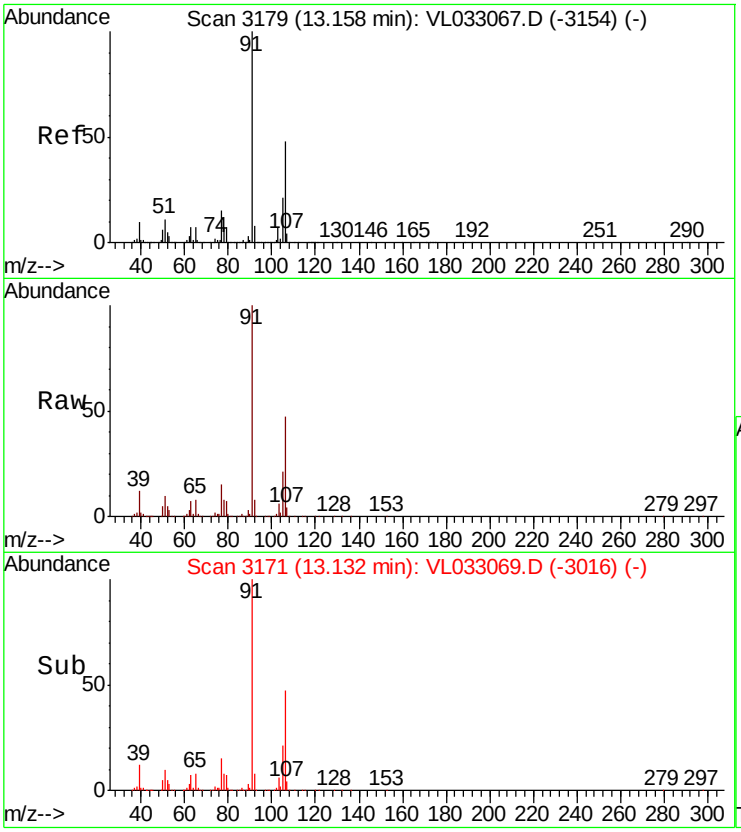


#58
Ethyl Benzene
Concen: 8.111 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 91 Resp: 3805059

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5



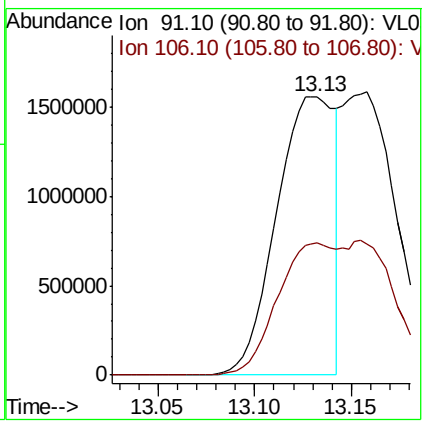


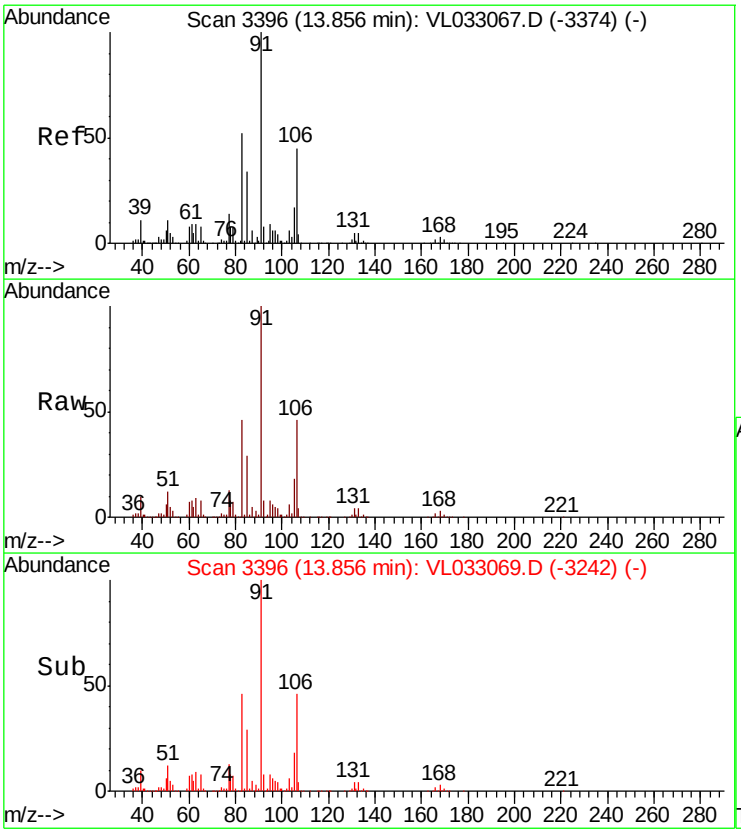
#59
m/p-Xylene
Concen: 7.491 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 91 Resp: 3250632

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

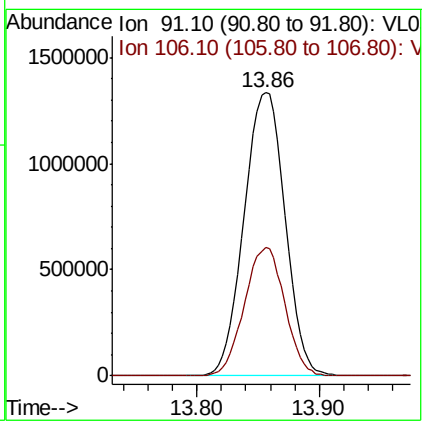


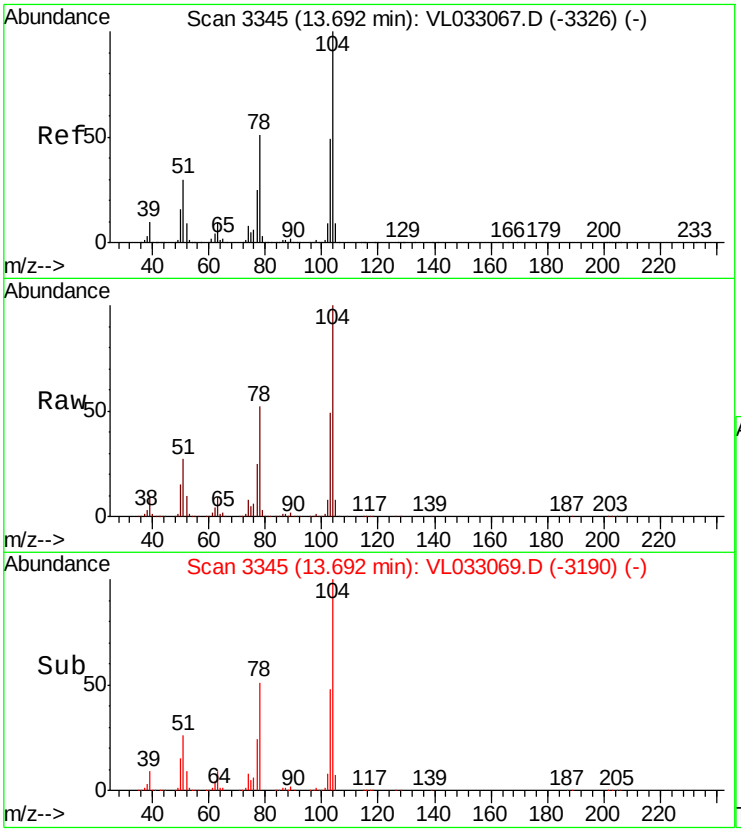


#60
o-Xylene
Concen: 7.302 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 91 Resp: 3102003

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.1	66.5



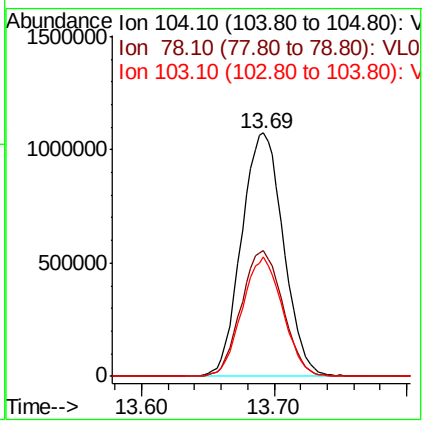


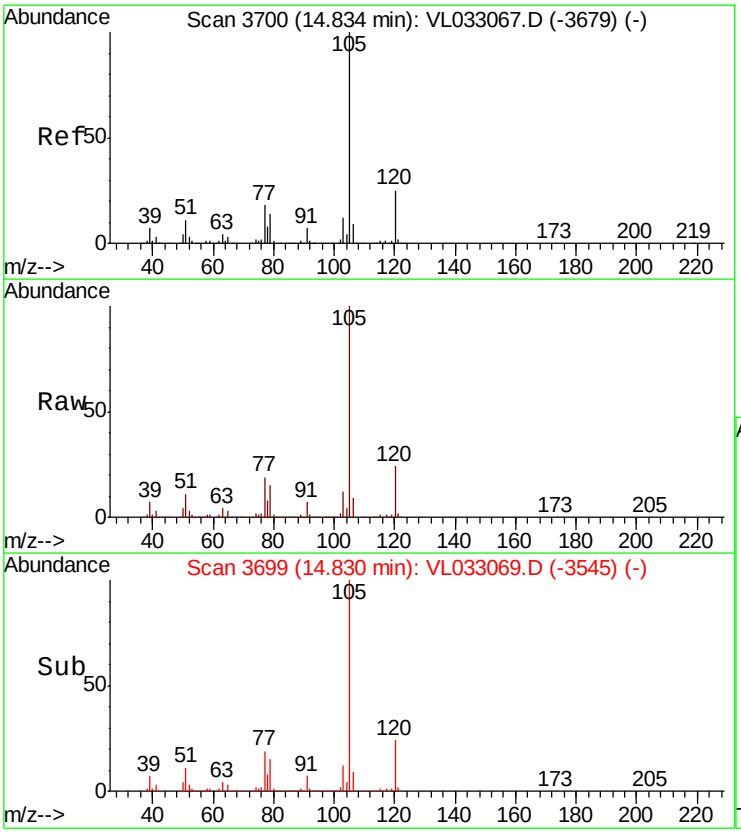
#61
Styrene
Concen: 8.685 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:104 Resp: 2354418

Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	47.7	38.1	57.1

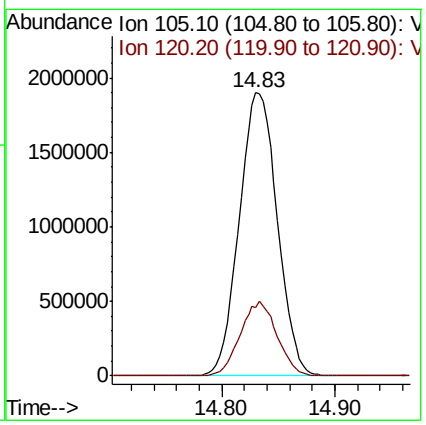


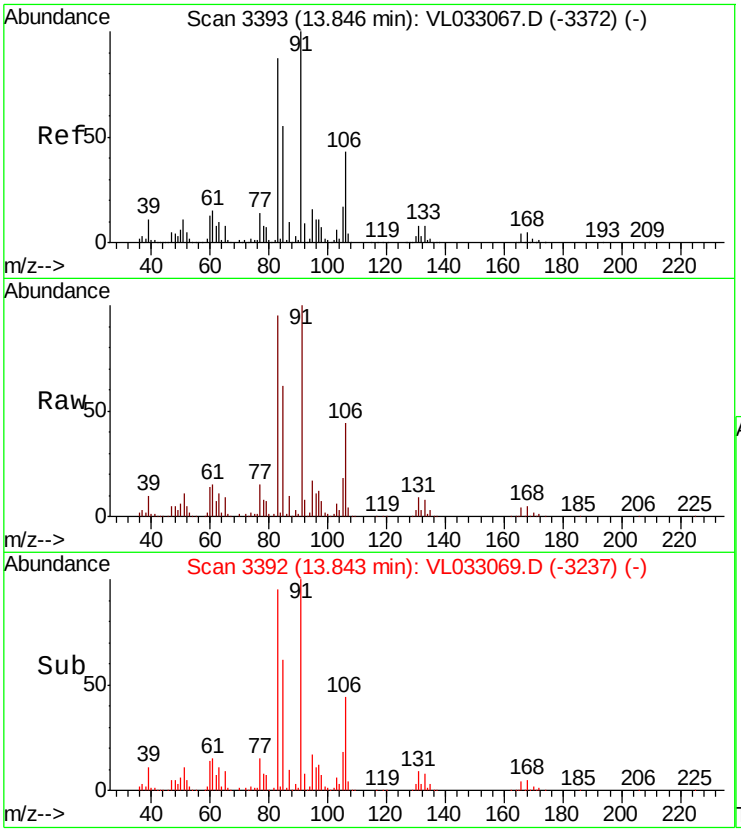


#62
Isopropylbenzene
Concen: 7.352 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:105 Resp: 4445256

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.4	30.6



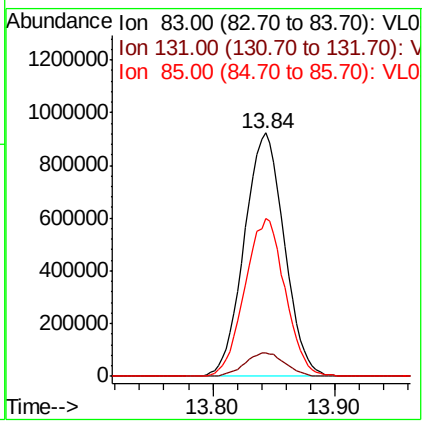


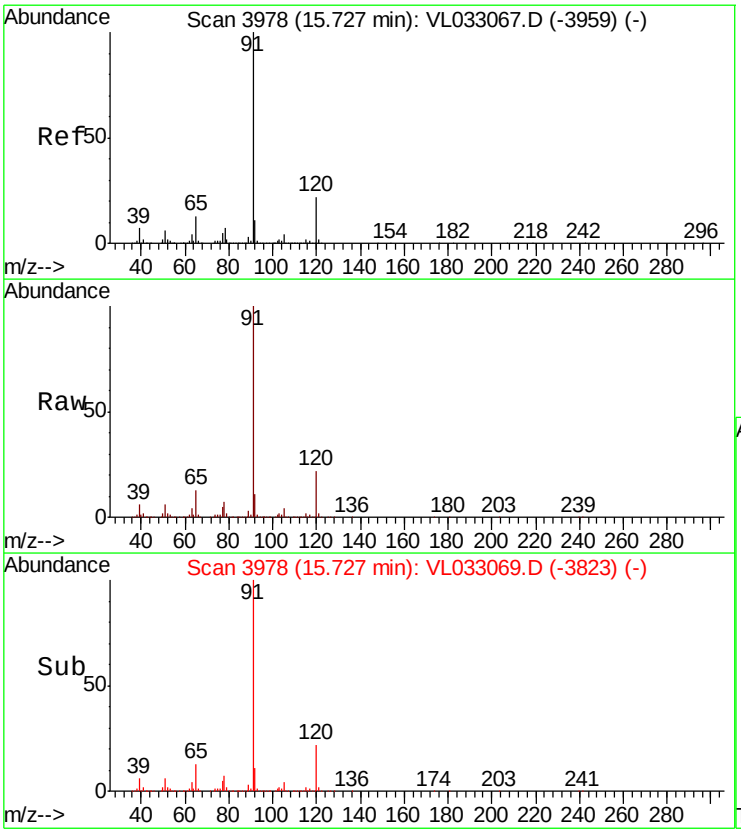
#63
1,1,2,2-Tetrachloroethane
Concen: 6.635 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 83 Resp: 2094020

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	65.4	32.6	97.8

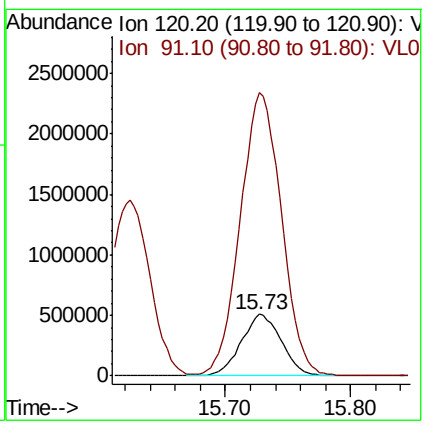


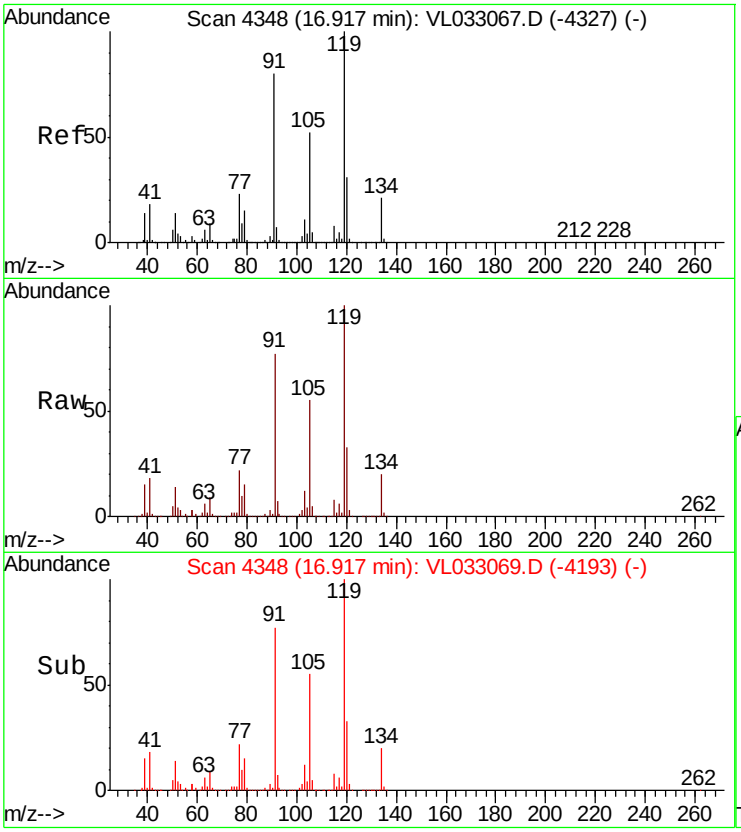


#64
n-propylbenzene
Concen: 7.392 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:120 Resp: 1135350

Ion	Ratio	Lower	Upper
120	100		
91	472.2	378.7	568.1



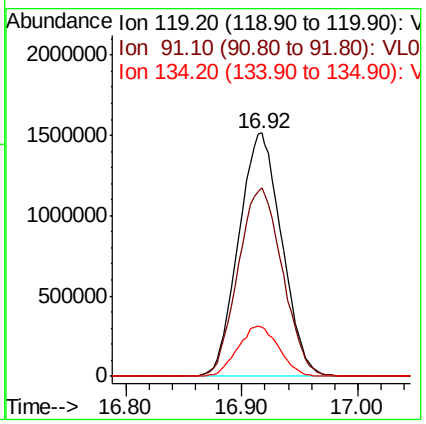


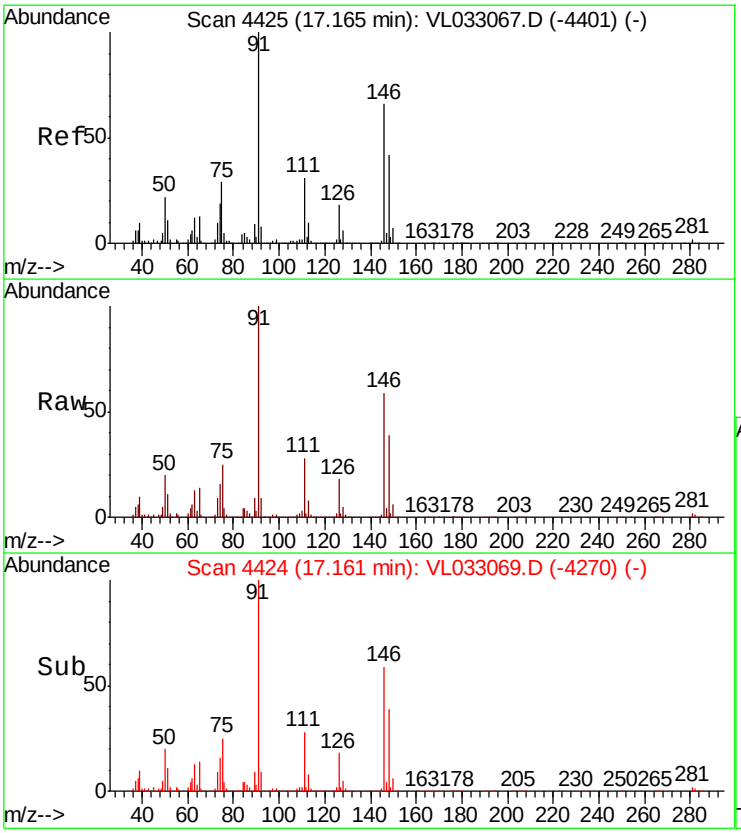
#65
tert-Butylbenzene
Concen: 7.287 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:119 Resp: 3902460

Ion	Ratio	Lower	Upper
119	100		
91	80.1	64.6	97.0
134	19.7	15.8	23.8

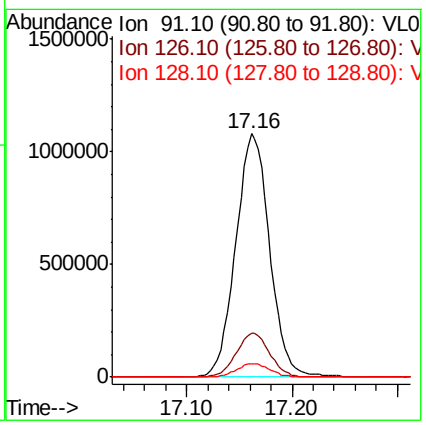


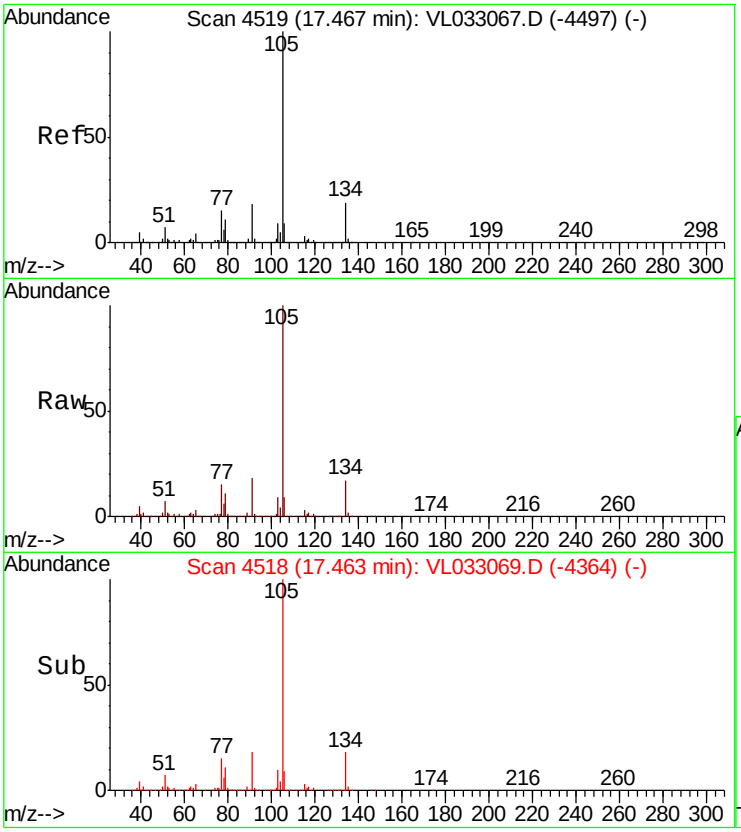


#66
Benzyl Chloride
Concen: 7.887 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 91 Resp: 2407486

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.6	4.5	6.7



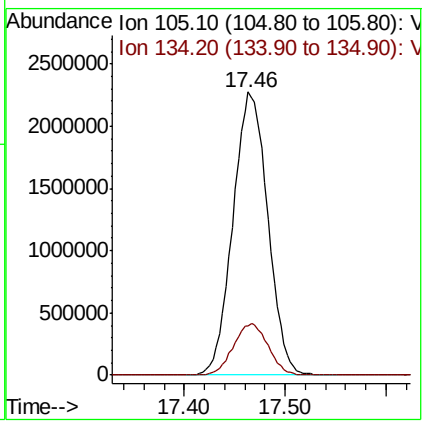


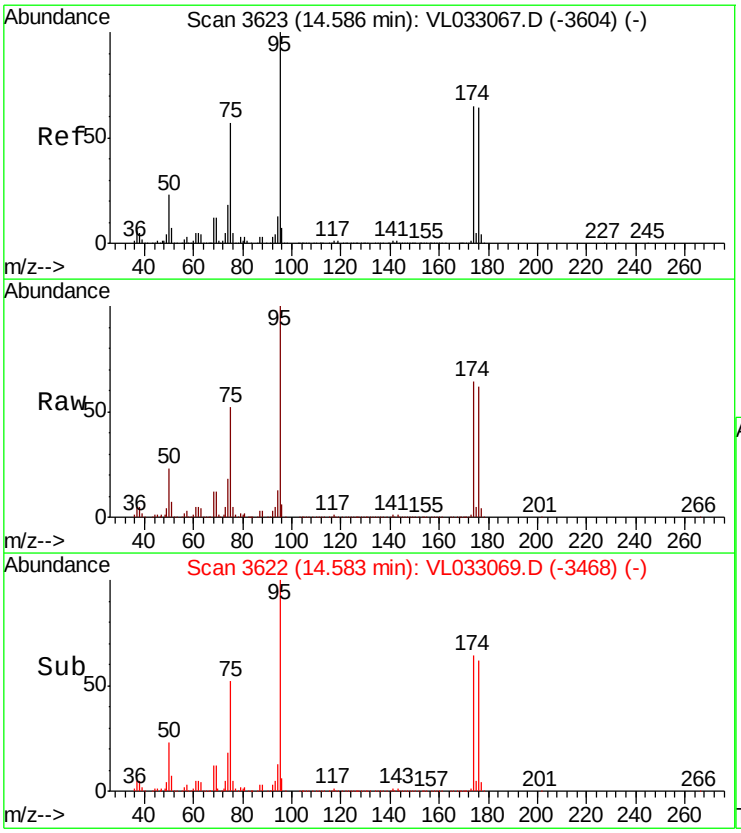
#67
sec-Butylbenzene
Concen: 7.095 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:105 Resp: 5437956

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

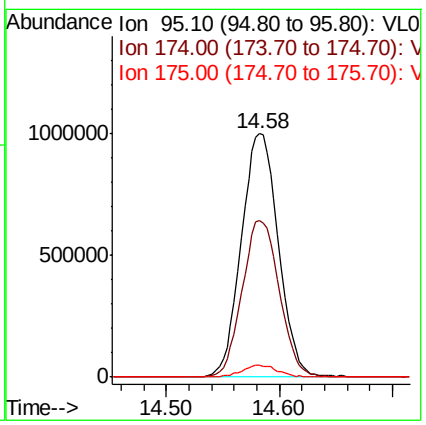


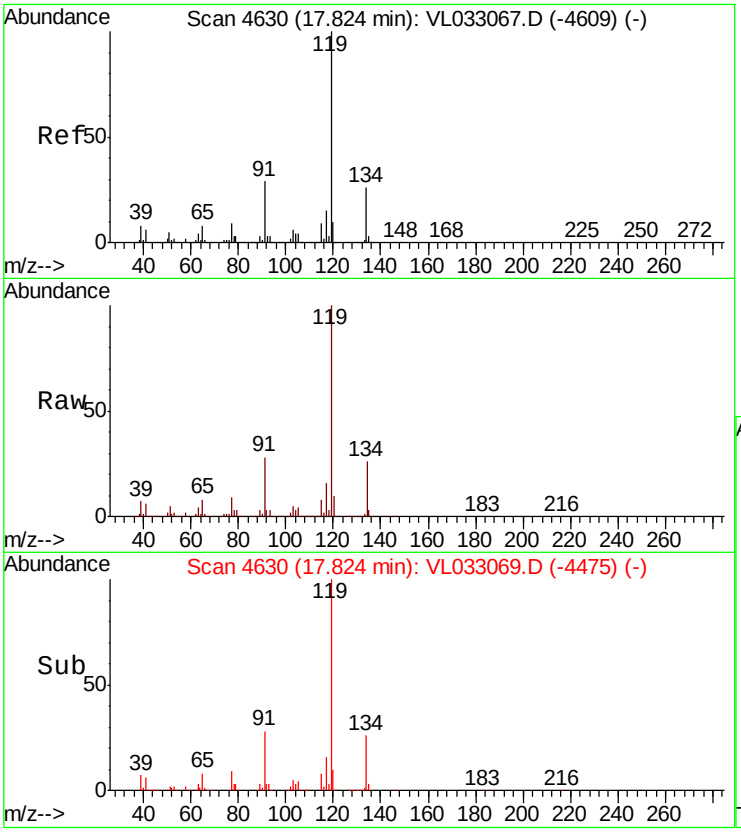


#68
1-Bromo-4-Fluorobenzene
Concen: 7.976 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 95 Resp: 2271659

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.9	77.9
175	4.7	3.9	5.9



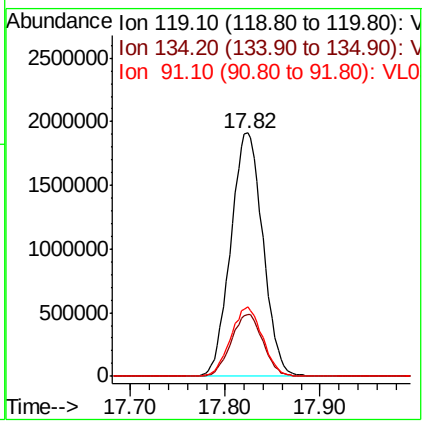


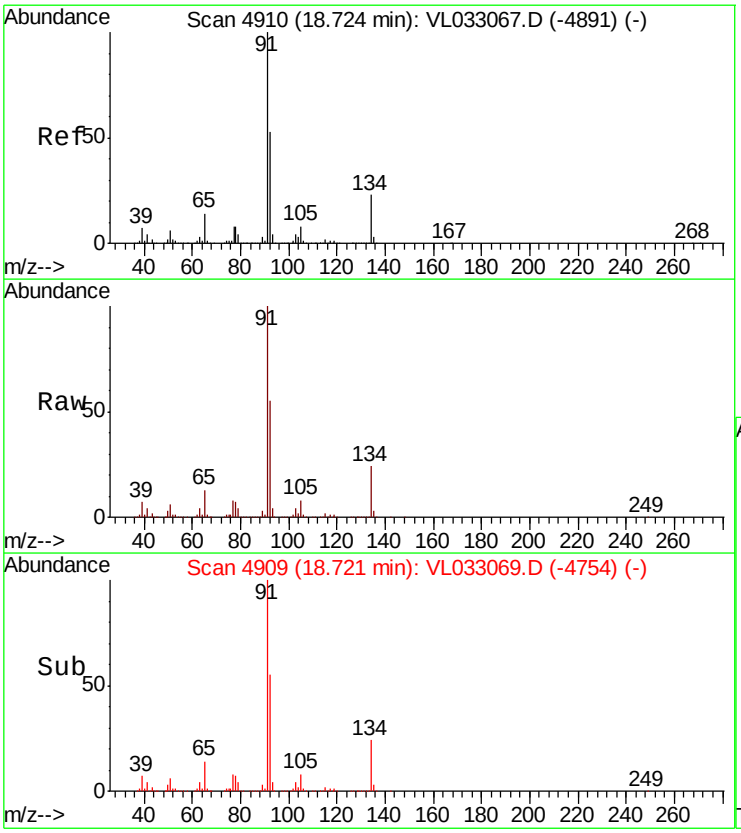
#69
p-Isopropyltoluene
Concen: 7.250 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:119 Resp: 4509668

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.1	30.1
91	28.6	23.0	34.4

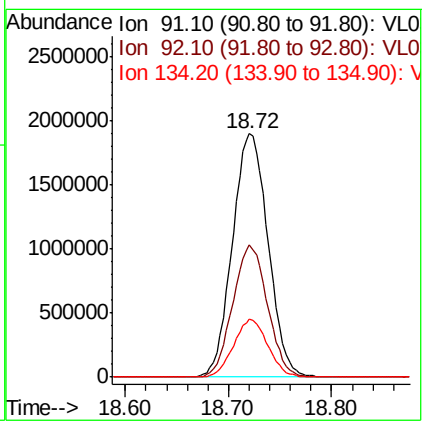


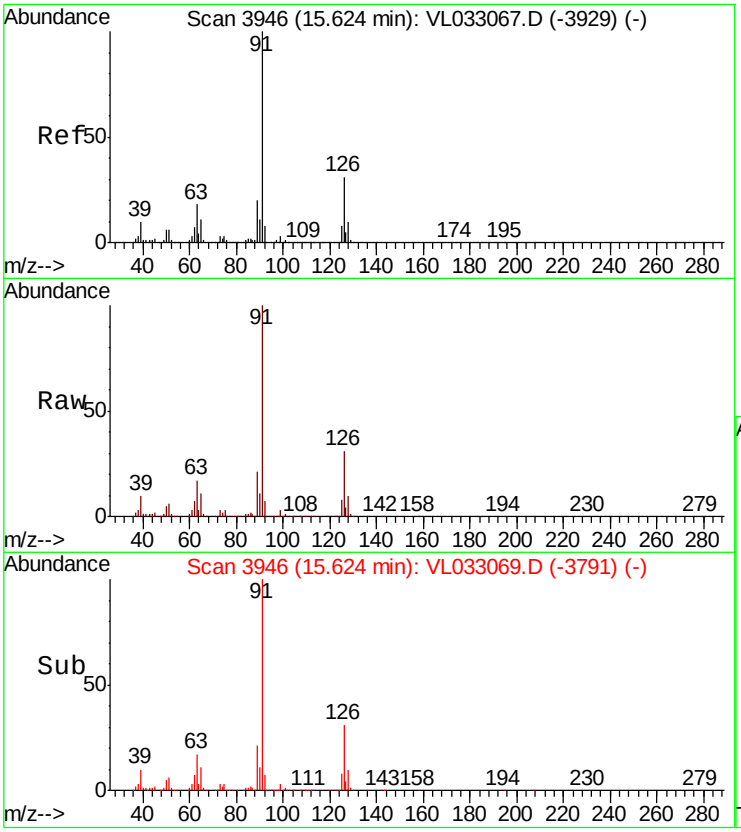


#70
n-Butylbenzene
Concen: 7.279 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion: 91 Resp: 4551926

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.4	63.6
134	22.9	18.0	27.0



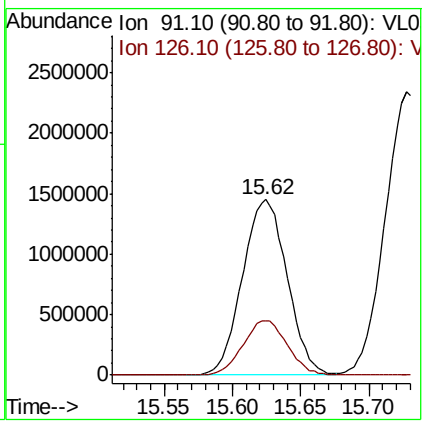


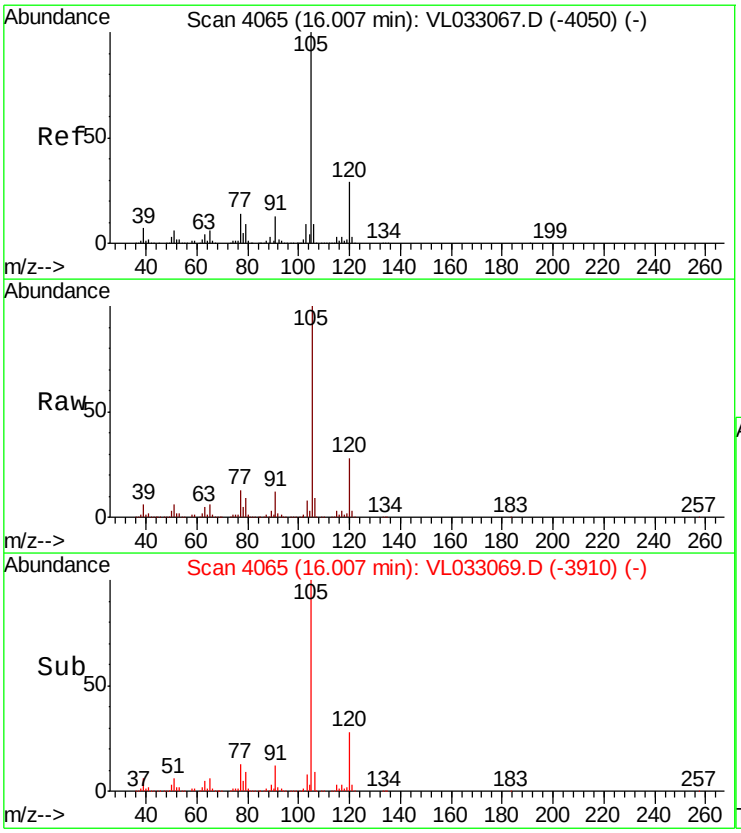
#71
2-Chlorotoluene
Concen: 7.687 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion: 91 Resp: 3295968

Ion	Ratio	Lower	Upper
91	100		
126	31.0	12.4	49.6

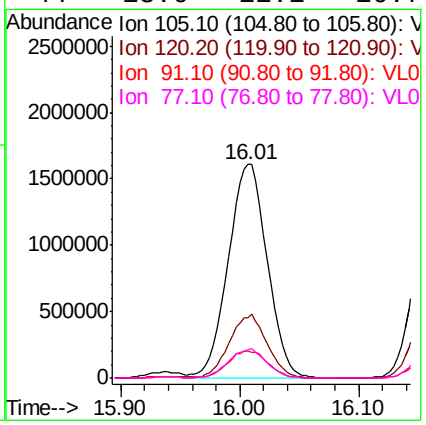


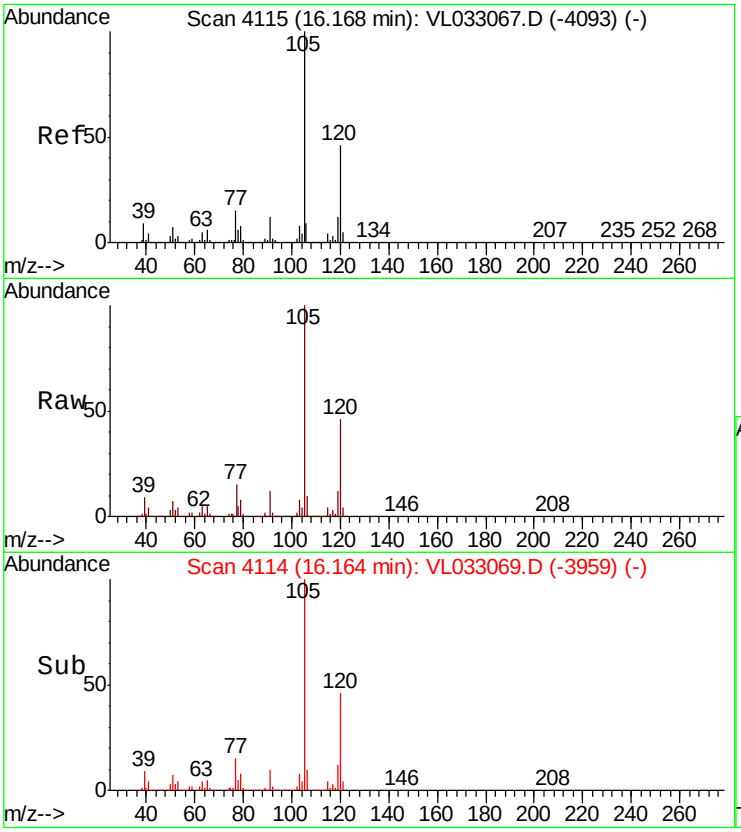


#72
4-Ethyltoluene
Concen: 7.803 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:105 Resp: 3642874

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.0	34.6
91	12.8	10.3	15.5
77	13.6	11.1	16.7



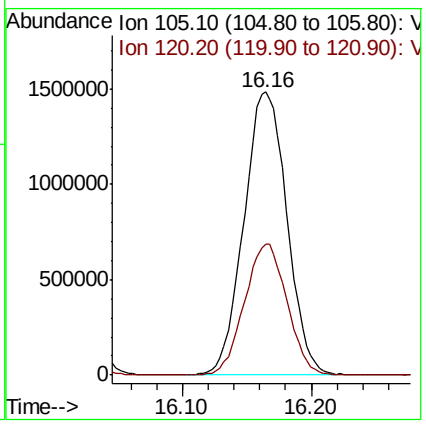


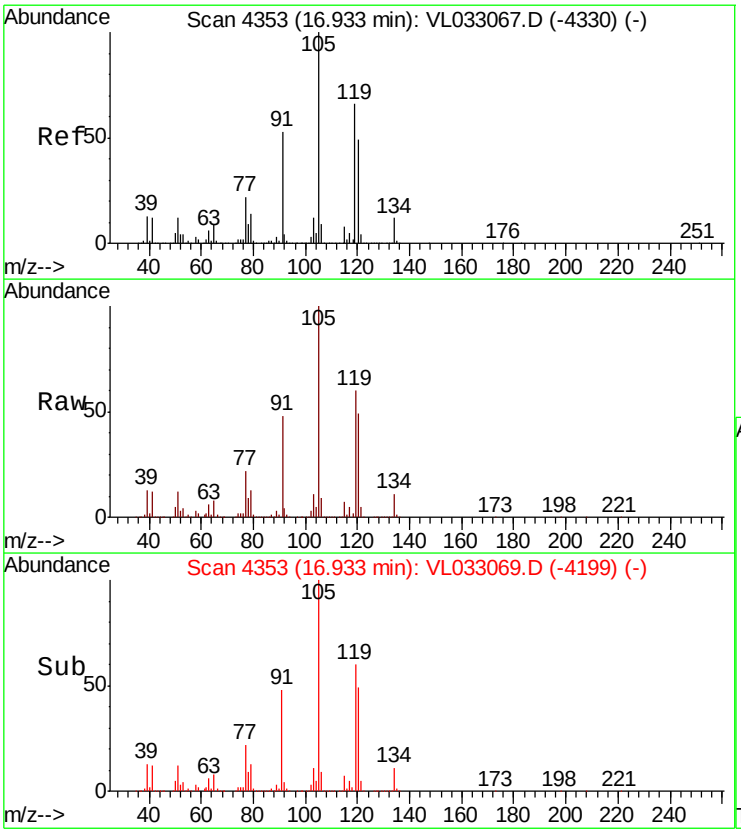
#73
1,3,5-Trimethylbenzene
Concen: 7.461 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:105 Resp: 3436932

Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.1	54.1

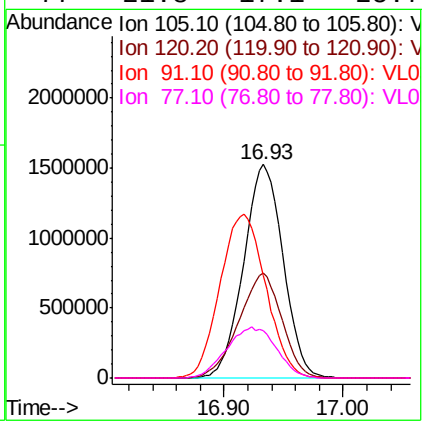


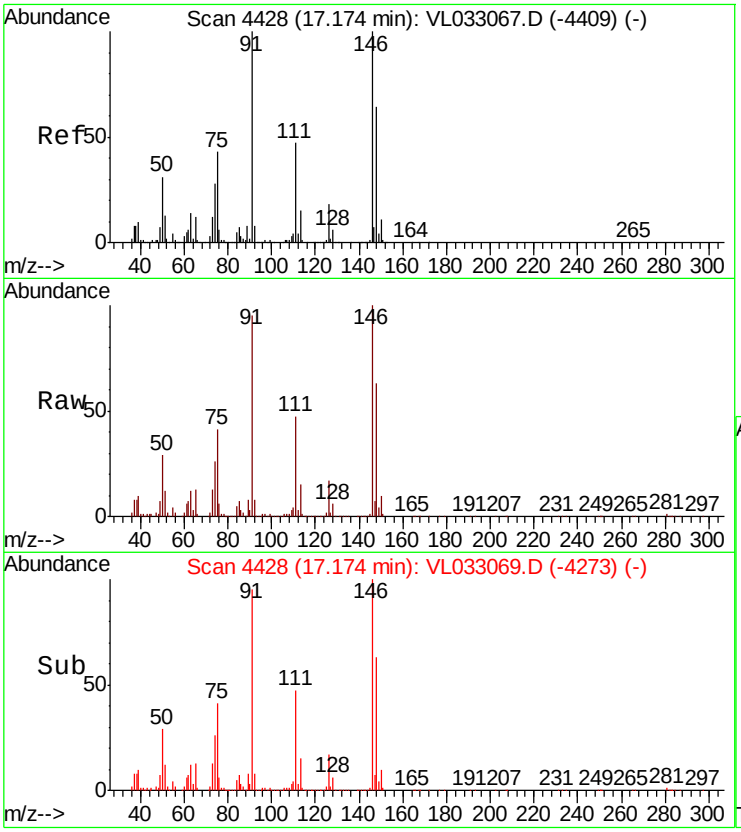


#74
1,2,4-Trimethylbenzene
Concen: 6.874 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:105 Resp: 3506904

Ion	Ratio	Lower	Upper
105	100		
120	49.1	37.0	55.4
91	47.9	35.4	53.0
77	21.8	17.1	25.7



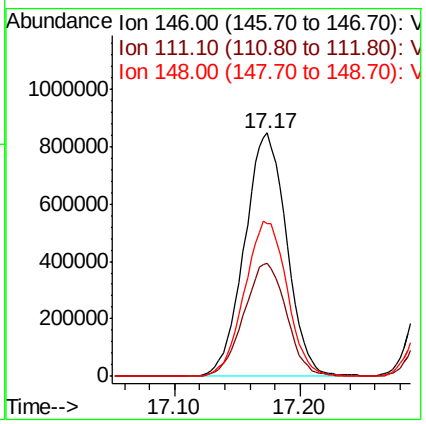


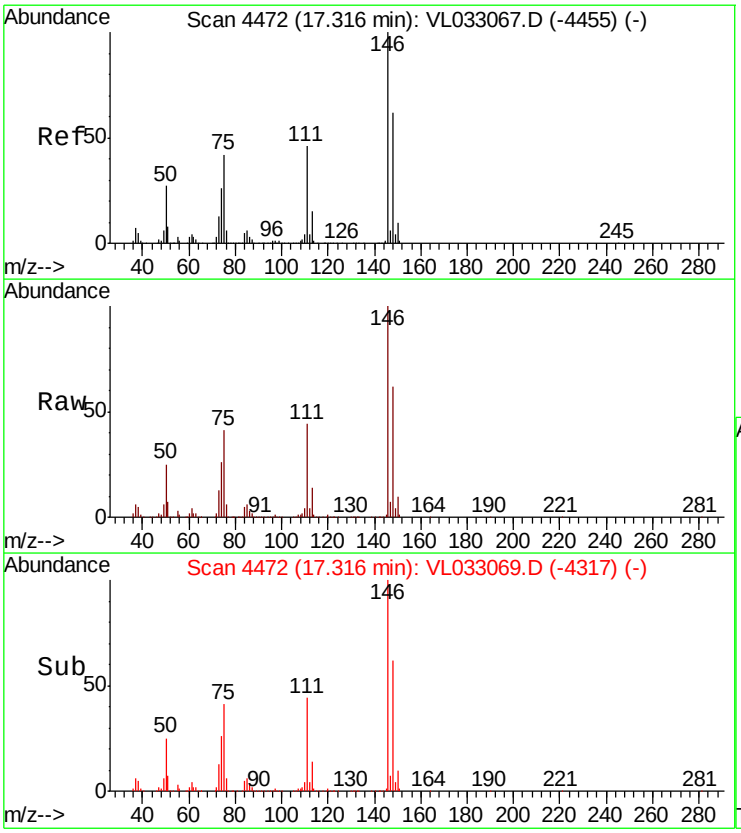
#75
1,3-Dichlorobenzene
Concen: 6.594 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:146 Resp: 1980071

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	64.5	32.1	96.3

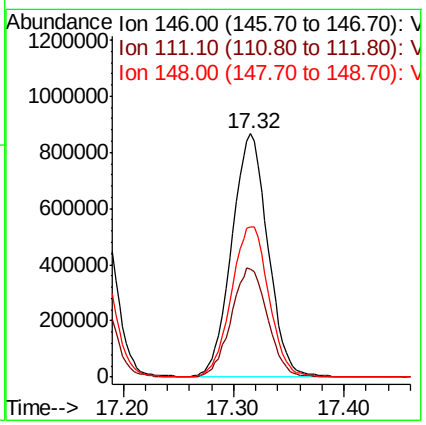


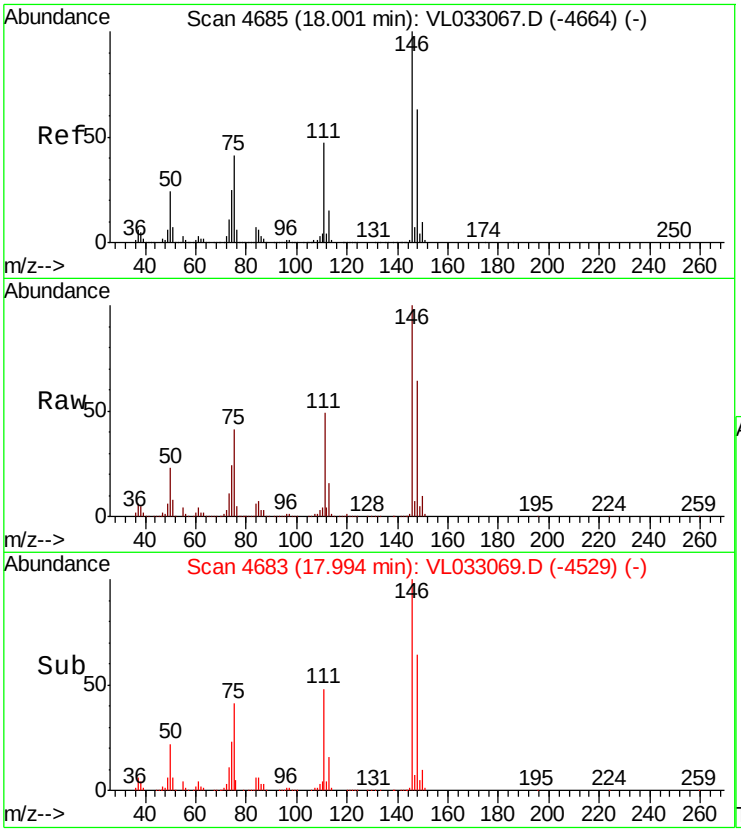


#76
1,4-Dichlorobenzene
Concen: 7.126 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:146 Resp: 1949282

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.7	68.1
148	64.7	32.4	97.2



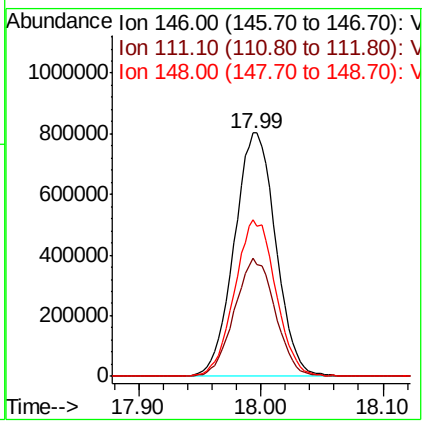


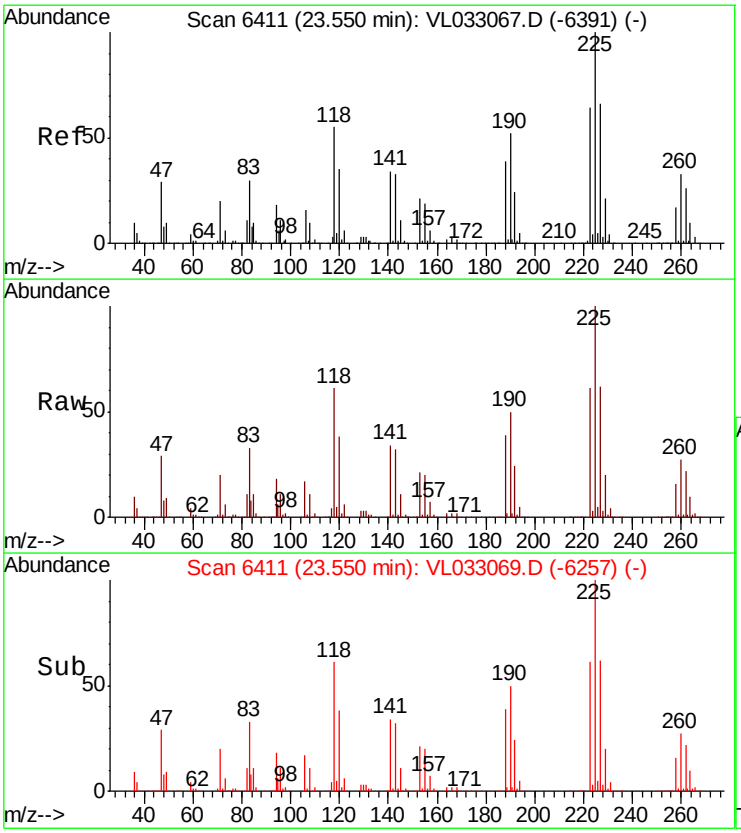
#77
1,2-Dichlorobenzene
Concen: 6.974 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument : MSVOA_L
ClientSampleId : ICVVL010419

Tgt Ion:146 Resp: 1885945

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.4	73.2
148	63.8	32.3	96.9

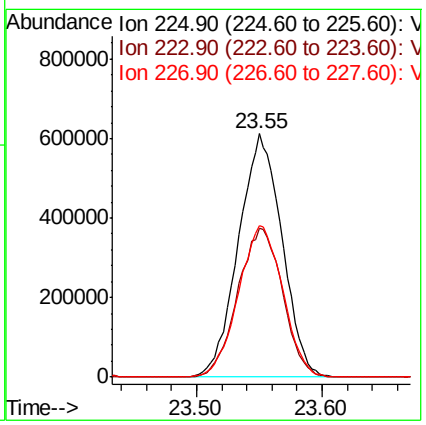


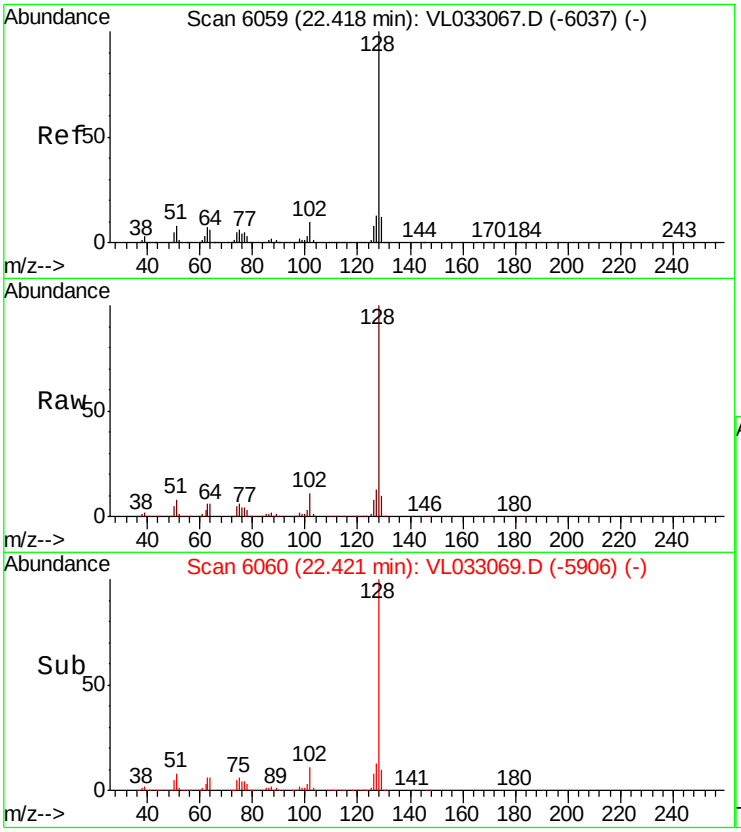


#78
Hexachloro-1,3-Butadiene
Concen: 7.063 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:225 Resp: 1467023

Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.0	76.6
227	63.7	51.0	76.4



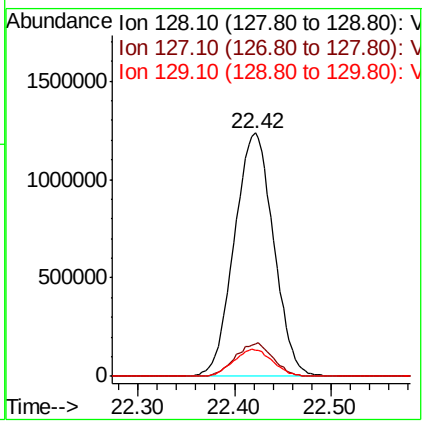


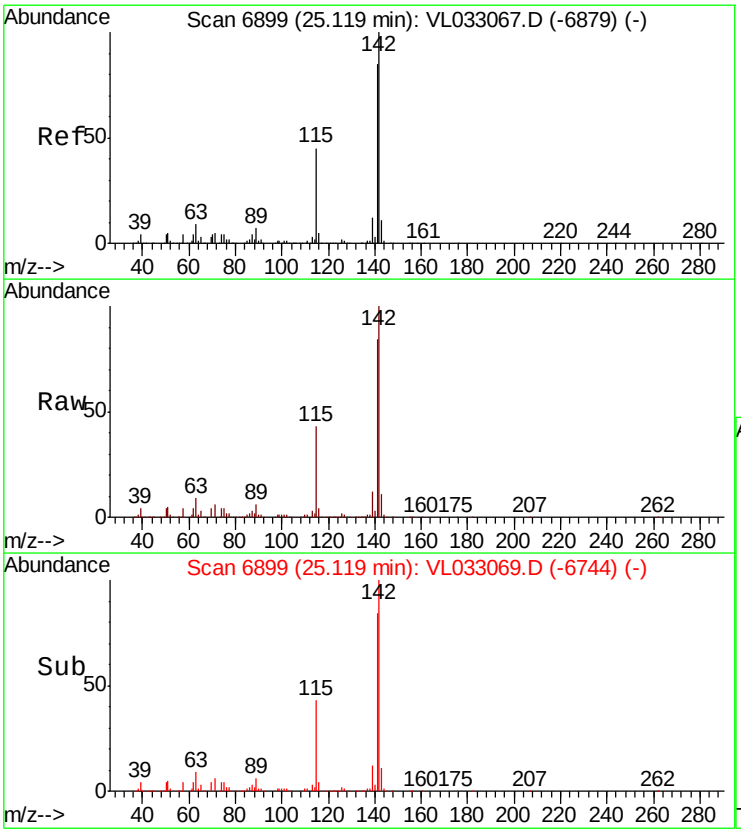
#79
Naphthalene
Concen: 8.101 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:128 Resp: 3481142

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	10.5	9.4	14.0

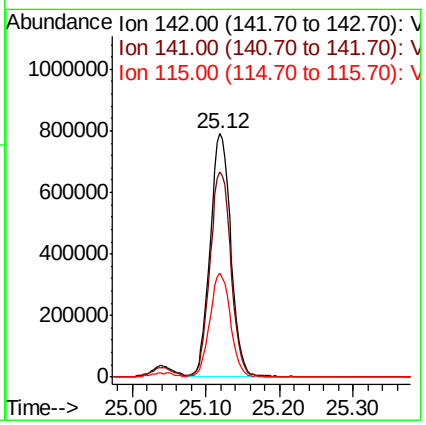


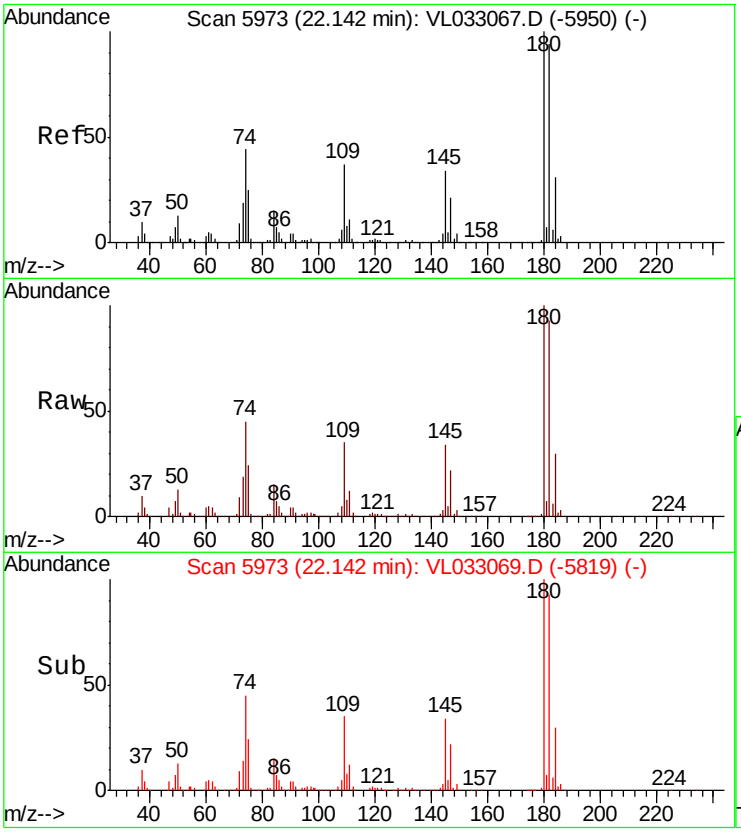


#80
Naphthalene,2-methyl-
Concen: 11.870 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Tgt Ion:142 Resp: 1547973

Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.6	103.0
115	42.4	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 7.868 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033069.D
Acq: 4 Jan 2019 14:50

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010419

Tgt Ion:180 Resp: 1633325

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.4	24.6	37.0