Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\
Data File : VL033590.D
Acq On : 16 Apr 2019 12:48
Operator : SY/AP
Sample : VL0416ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Quant Time: Apr 17 06:42:20 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	897533	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2247188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2446600m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1817773	9.48	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	932571	7.124	ppbv	99
3) Chlorodifluoromethane	3.01	51	857618	8.300	ppbv	99
4) Chloromethane	3.17	50	458149	8.379	ppbv	96
5) Vinyl Chloride	3.29	62	464690	8.650	ppbv	99
6) Bromomethane	3.52	94	298100	8.634	ppbv	95
7) Chloroethane	3.60	64	177023	8.854	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1157011	8.295	ppbv	99
9) Propene	3.04	41	370054	8.528	ppbv	98
10) Heptane	8.25	43	1010003	8.707	ppbv	100
11) Trichlorofluoromethane	4.00	101	1380168	8.555	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	944370	8.715	ppbv	99
13) Ethanol	3.65	45	124632	11.099	ppbv	64
14) Bromoethene	3.79	108	386755	8.949	ppbv	99
15) Acetone	3.90	43	891826	8.264	ppbv	99
16) 1,3-Butadiene	3.36	39	414484	9.683	ppbv	98
17) tert-Butyl alcohol	4.35	59	192147	9.684	ppbv	98
18) 1,1-Dichloroethene	4.35	96	417392	8.968	ppbv	97
19) Isopropyl Alcohol	4.02	45	693908	10.166	ppbv	100
20) Methylene Chloride	4.41	84	366881	8.009	ppbv	94
21) Allyl Chloride	4.48	41	613038	8.986	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	425877	8.770	ppbv	96
23) Vinyl Acetate	5.16	43	1401021	9.121	ppbv	99
24) 1,1-Dichloroethane	5.09	63	986118	8.451	ppbv	99
25) Ethyl Acetate	5.77	43	1680921	8.395	ppbv	99
26) Hexane	5.78	57	762750	8.567	ppbv	97
27) Carbon Disulfide	4.62	76	1037381	9.799	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1180430	9.206	ppbv	100
29) Chloroform	5.85	83	1290206	8.454	ppbv	97
30) Cyclohexane	7.25	84	667414	9.476	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	785240	8.871	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1295232	8.913	ppbv	100
34) 2-Butanone	5.33	43	1099437	8.143	ppbv	100
35) Carbon Tetrachloride	7.13	117	1417344	8.905	ppbv	98
36) Benzene	7.01	78	1629086	8.640	ppbv	98
37) 1,2-Dichloroethane	6.41	62	978929	7.746	ppbv	99
38) Trichloroethene	7.96	130	661758	9.326	ppbv	97
39) 1,2-Dichloropropane	7.74	63	609312	8.249	ppbv	100
40) 1,4-Dioxane	7.96	88	254543	9.662	ppbv	77
41) Tetrahydrofuran	6.15	42	628804	8.468	ppbv	97
42) Bromodichloromethane	7.92	83	1439817	8.364	ppbv	98
43) Methyl Methacrylate	8.14	69	659799	8.618	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\
Data File : VL033590.D
Acq On : 16 Apr 2019 12:48
Operator : SY/AP
Sample : VL0416ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Quant Time: Apr 17 06:42:20 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	2744202	8.329	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	915969	9.744	ppbv		95
46) cis-1,3-Dichloropropene	8.84	75	1030348	9.386	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	696563	8.305	ppbv		98
48) Dibromochloromethane	10.45	129	1259839	8.905	ppbv		100
49) Bromoform	13.20	173	1158337	8.571	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	1672991	8.462	ppbv		99
51) 2-Hexanone	10.27	43	1325364	8.987	ppbv	#	99
52) Tetrachloroethene	11.37	164	633170	8.900	ppbv		94
53) Toluene	9.95	91	1961107	8.950	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1112981	8.484	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	892066	7.956	ppbv	#	56
57) Chlorobenzene	12.30	112	1489518	7.841	ppbv		97
58) Ethyl Benzene	12.87	91	2758410	8.443	ppbv		100
59) m/p-Xylene	13.13	91	4655030m	15.951	ppbv		
60) o-Xylene	13.85	91	2298664	8.145	ppbv		99
61) Styrene	13.69	104	1716982	8.865	ppbv		100
62) Isopropylbenzene	14.83	105	3241060	8.110	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1592965	7.666	ppbv		100
64) n-propylbenzene	15.72	120	838479	8.269	ppbv		97
65) tert-Butylbenzene	16.91	119	2961548	8.410	ppbv		99
66) Benzyl Chloride	17.16	91	1696561	10.361	ppbv		99
67) sec-Butylbenzene	17.46	105	4161742	8.310	ppbv		99
69) p-Isopropyltoluene	17.82	119	3485444	8.548	ppbv		99
70) n-Butylbenzene	18.72	91	3637881	8.420	ppbv		100
71) 2-Chlorotoluene	15.62	91	2521316	8.297	ppbv		100
72) 4-Ethyltoluene	16.00	105	2727345	8.598	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	2596988	8.555	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	2708313	8.324	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	1617717	8.044	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1617639	8.256	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1562929	8.191	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1184648	9.379	ppbv		99
79) Naphthalene	22.41	128	2654251	9.530	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1218667	13.038	ppbv		98
81) 1,2,4-Trichlorobenzene	22.13	180	1377006	8.913	ppbv		100

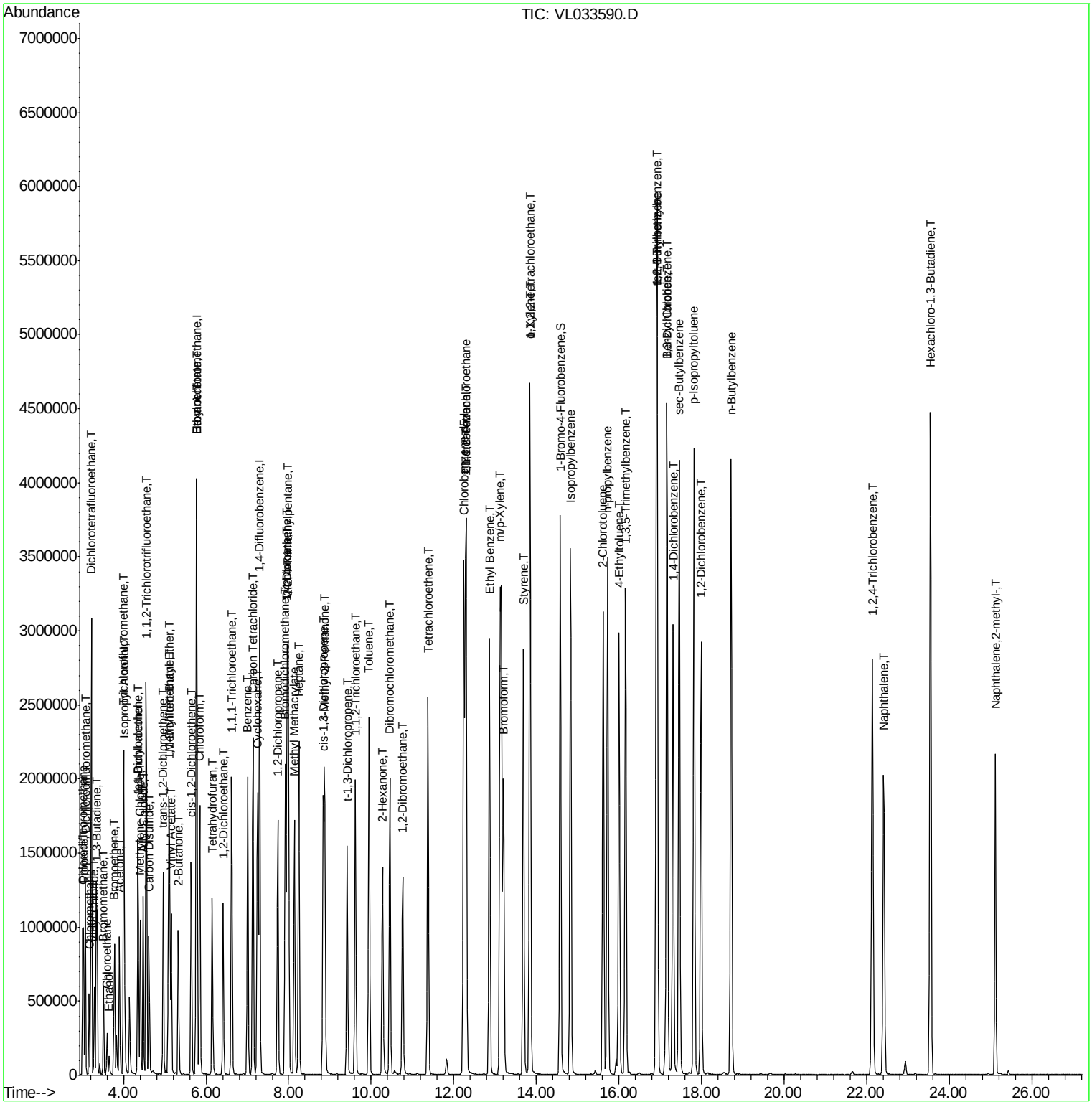
(#) = qualifier out of range (m) = manual integration (+) = signals summed

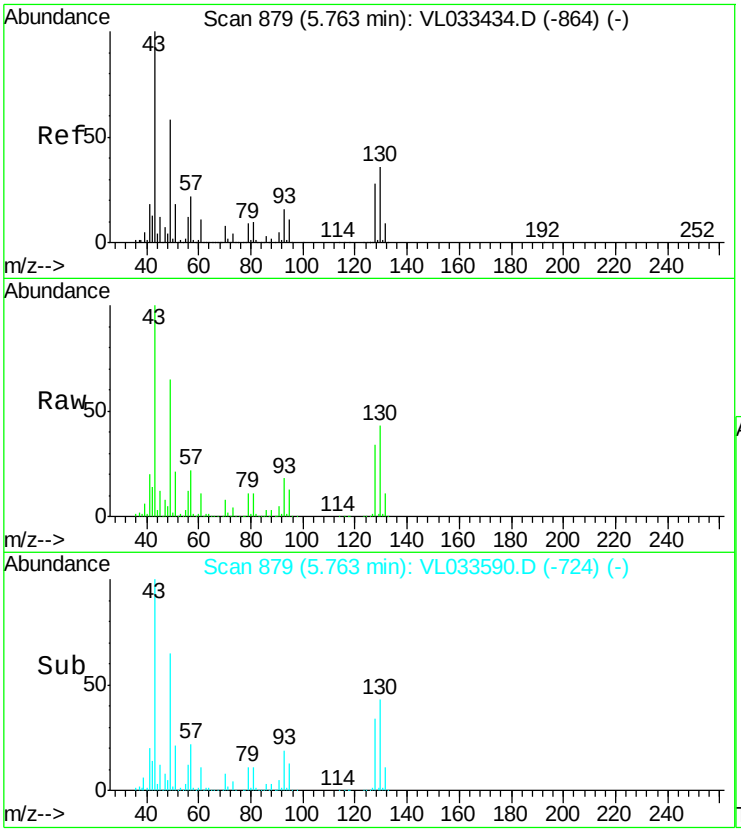
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\
Data File : VL033590.D
Acq On : 16 Apr 2019 12:48
Operator : SY/AP
Sample : VL0416ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Quant Time: Apr 17 06:42:20 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



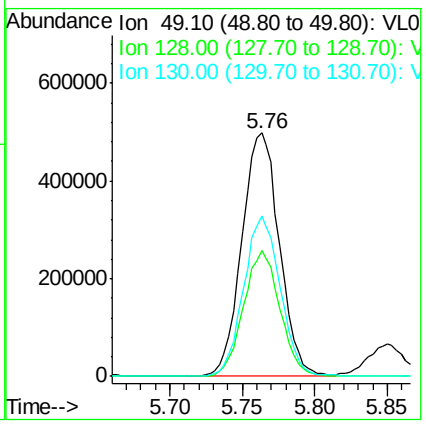


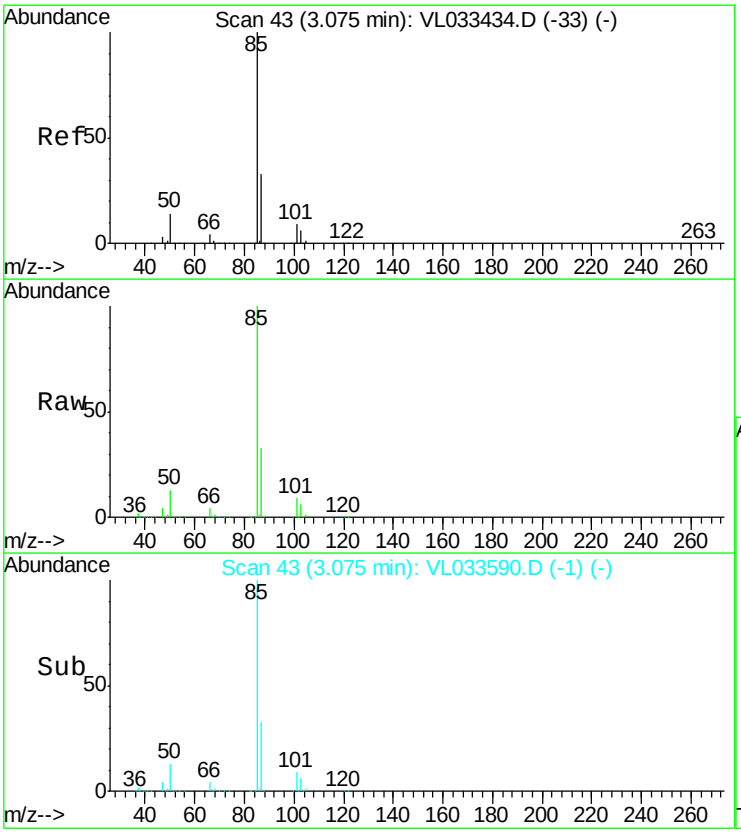
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 49 Resp: 897533

Ion	Ratio	Lower	Upper
49	100		
128	50.1	24.0	72.0
130	64.5	31.2	93.6

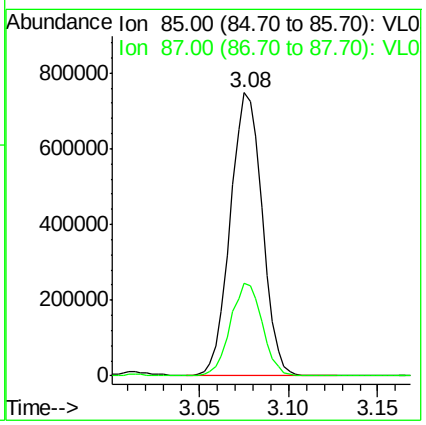


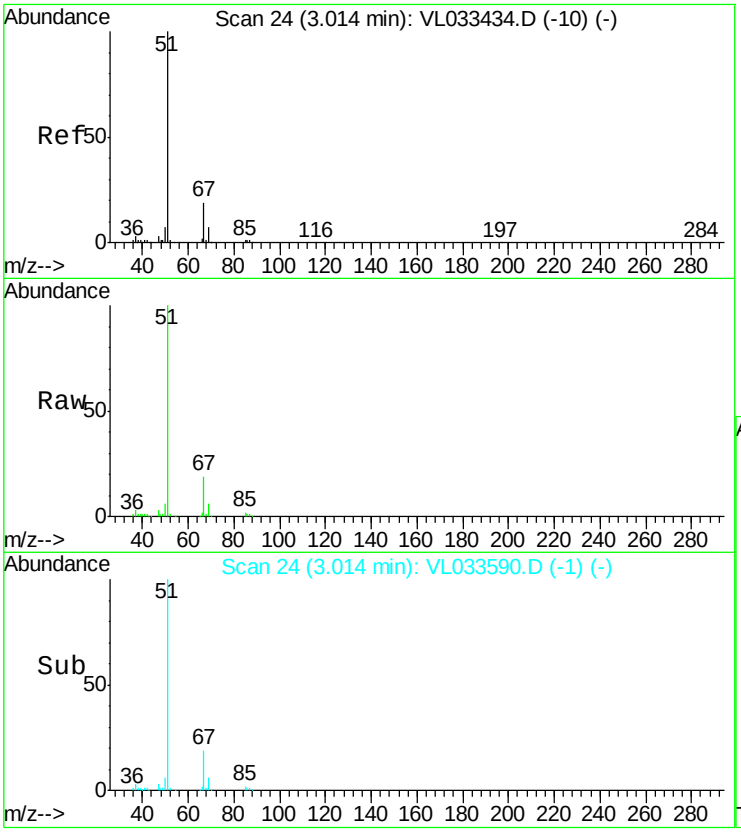


#2
Dichlorodifluoromethane
Concen: 7.124 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 85 Resp: 932571

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.7	40.1



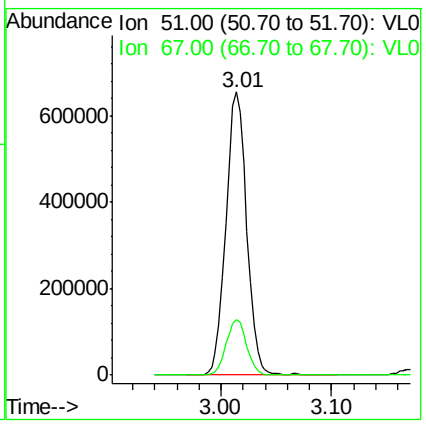


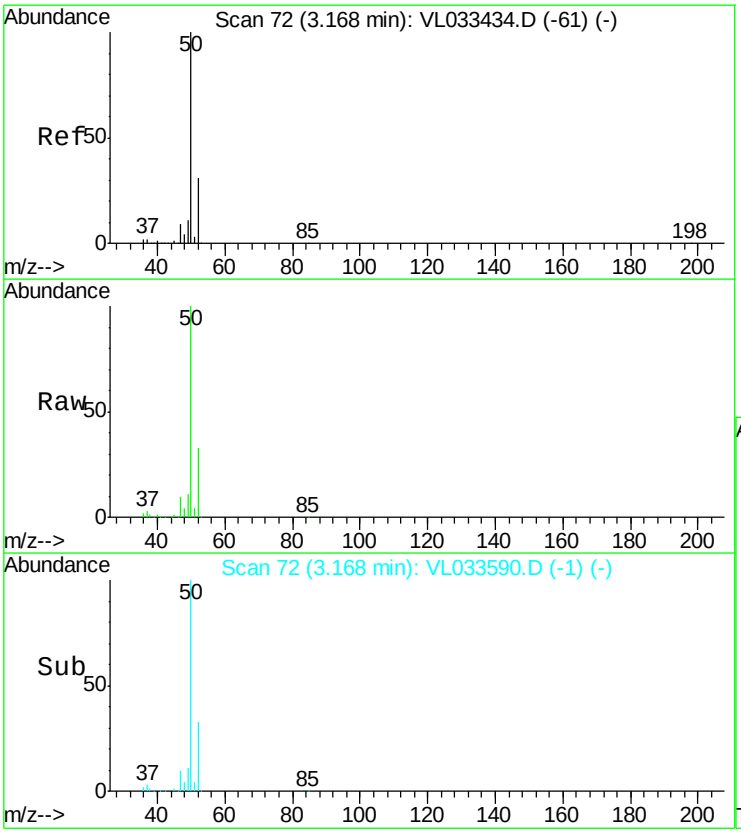
#3
Chlorodifluoromethane
Concen: 8.300 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 51 Resp: 857618

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.7	23.5

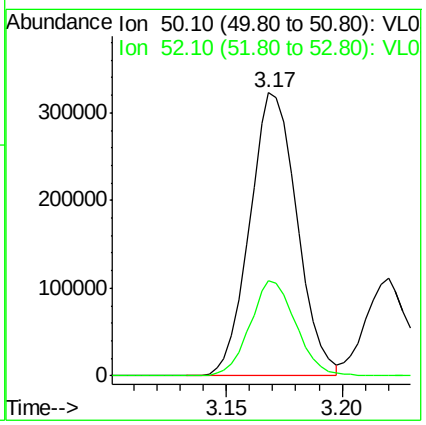


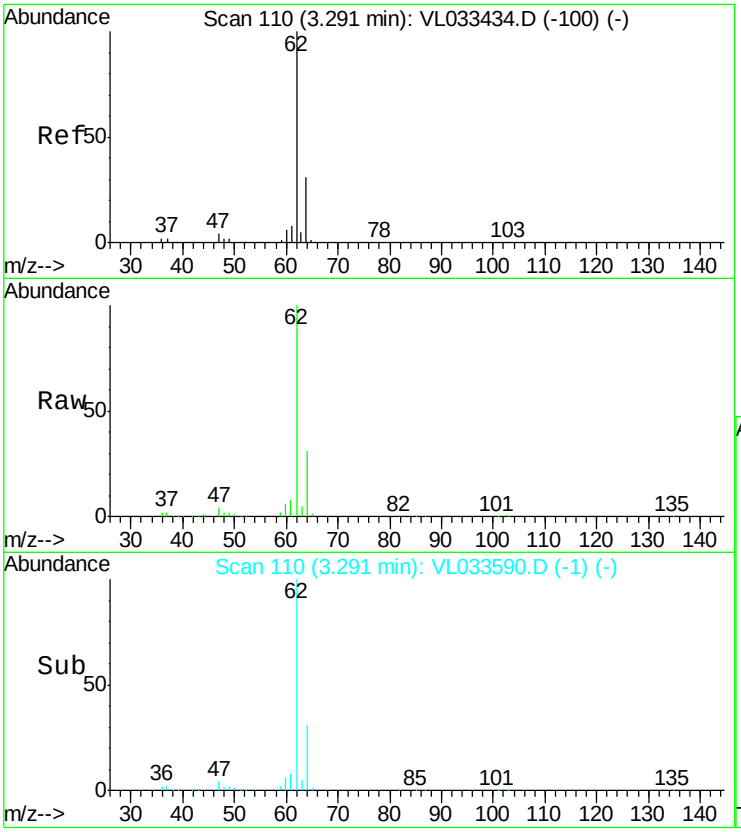


#4
Chloromethane
Concen: 8.379 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 50 Resp: 458149

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.0	37.6



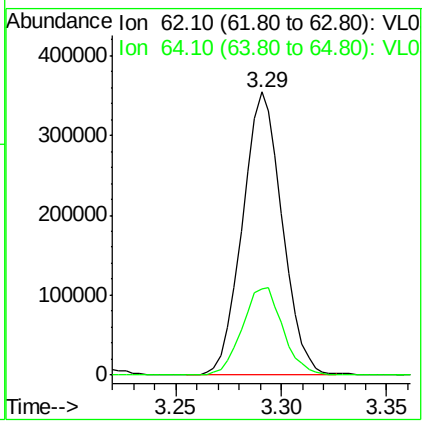


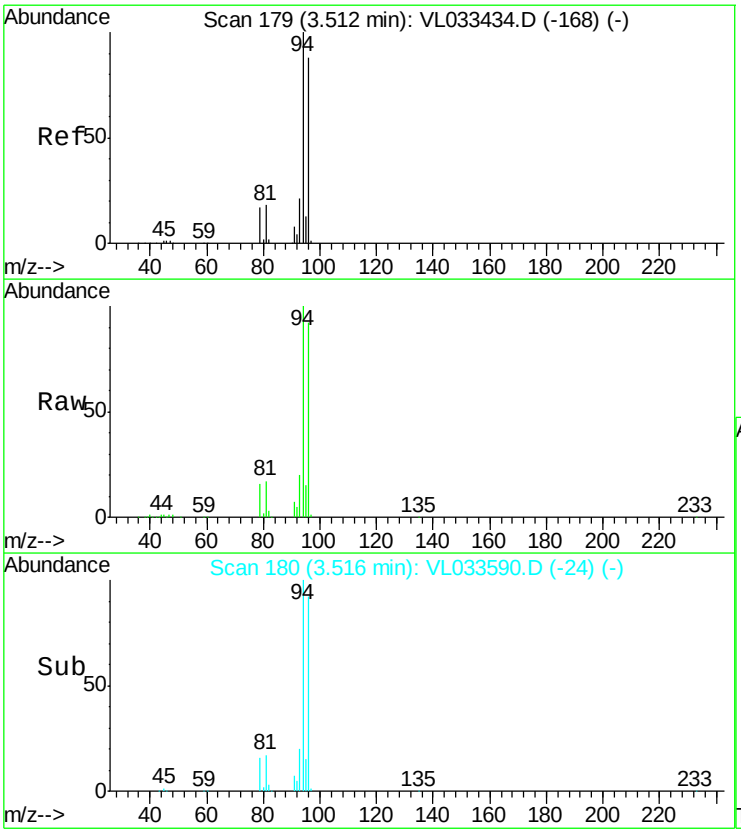
#5
Vinyl Chloride
Concen: 8.650 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 62 Resp: 464690

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3

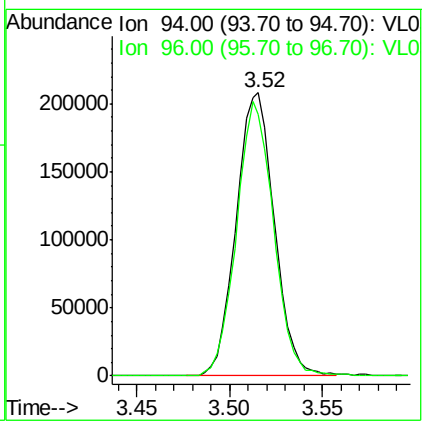


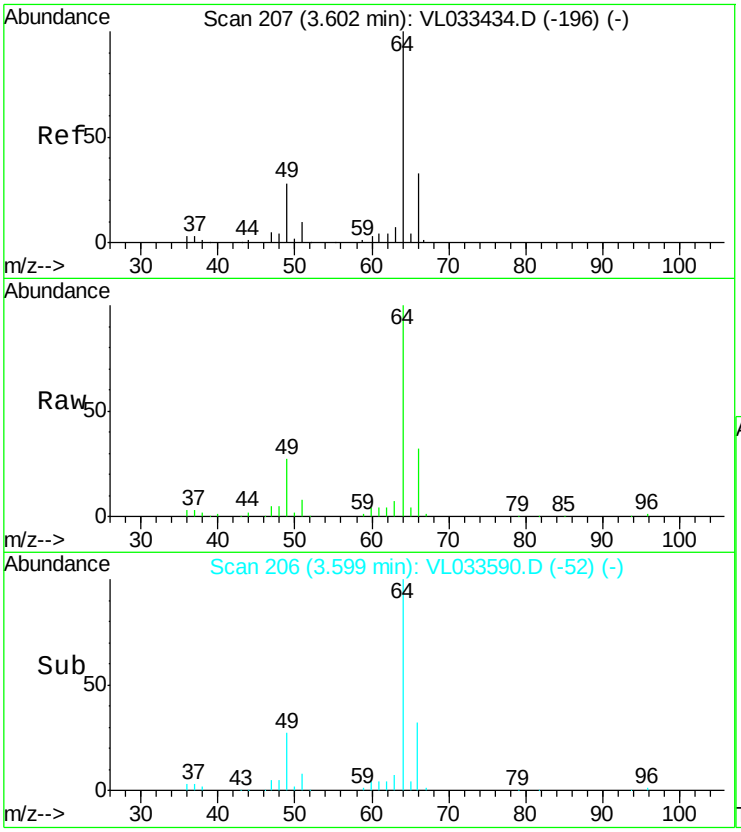


#6
Bromomethane
Concen: 8.634 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 94 Resp: 298100

Ion	Ratio	Lower	Upper
94	100		
96	92.2	70.2	105.2



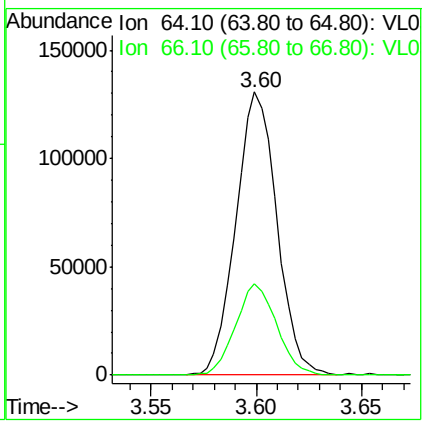


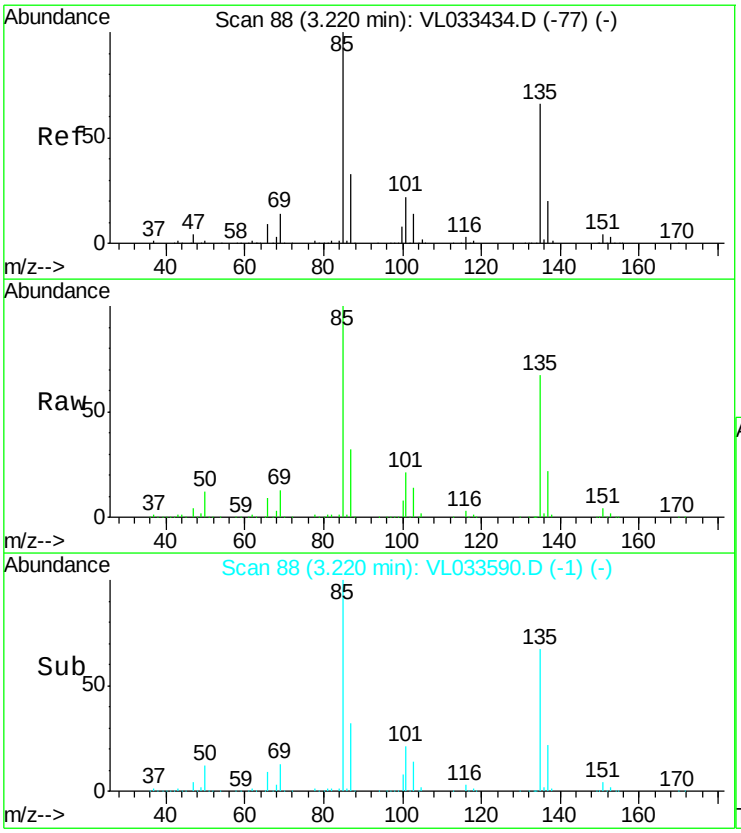
#7
Chloroethane
Concen: 8.854 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 64 Resp: 177023

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.7	40.1

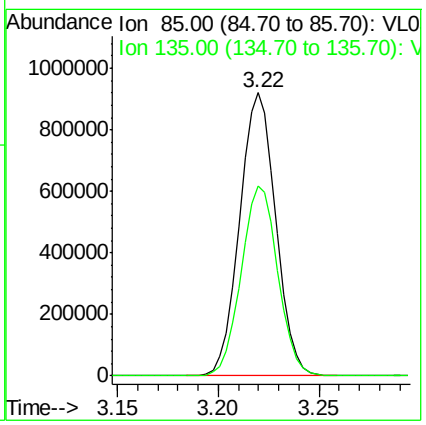


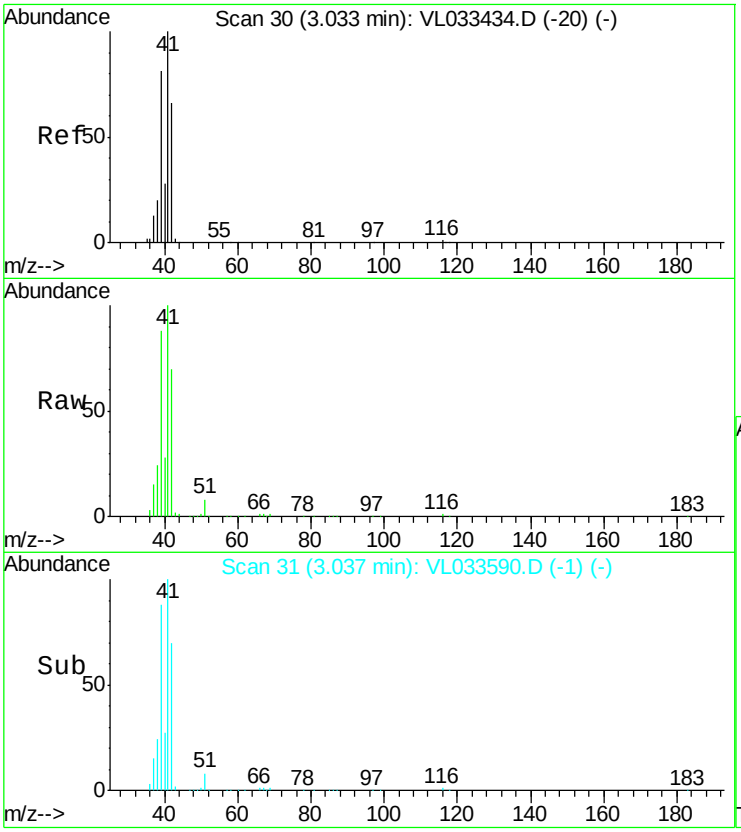


#8
Dichlorotetrafluoroethane
Concen: 8.295 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 85 Resp: 1157011

Ion	Ratio	Lower	Upper
85	100		
135	68.2	54.0	81.0



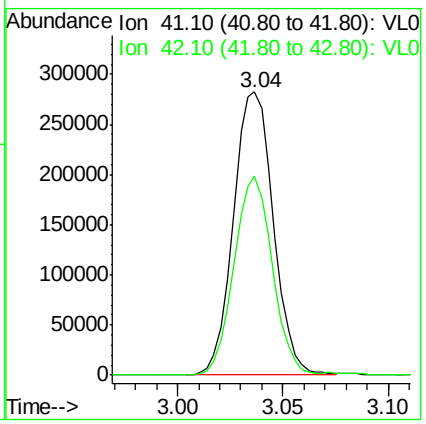


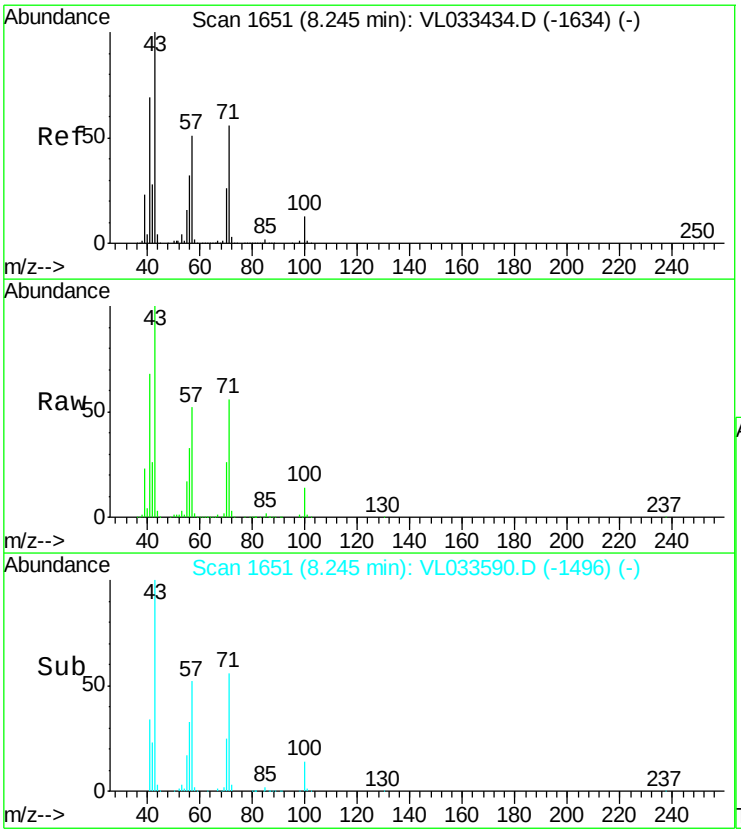
#9
Propene
Concen: 8.528 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 41 Resp: 370054

Ion	Ratio	Lower	Upper
41	100		
42	68.7	53.9	80.9

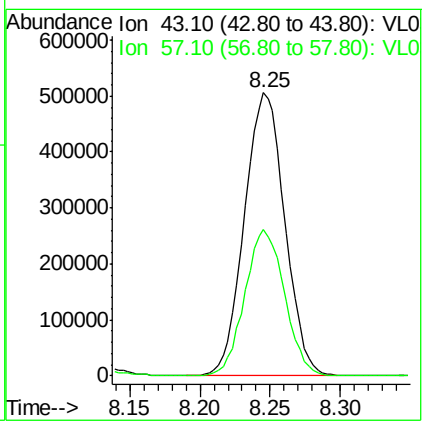


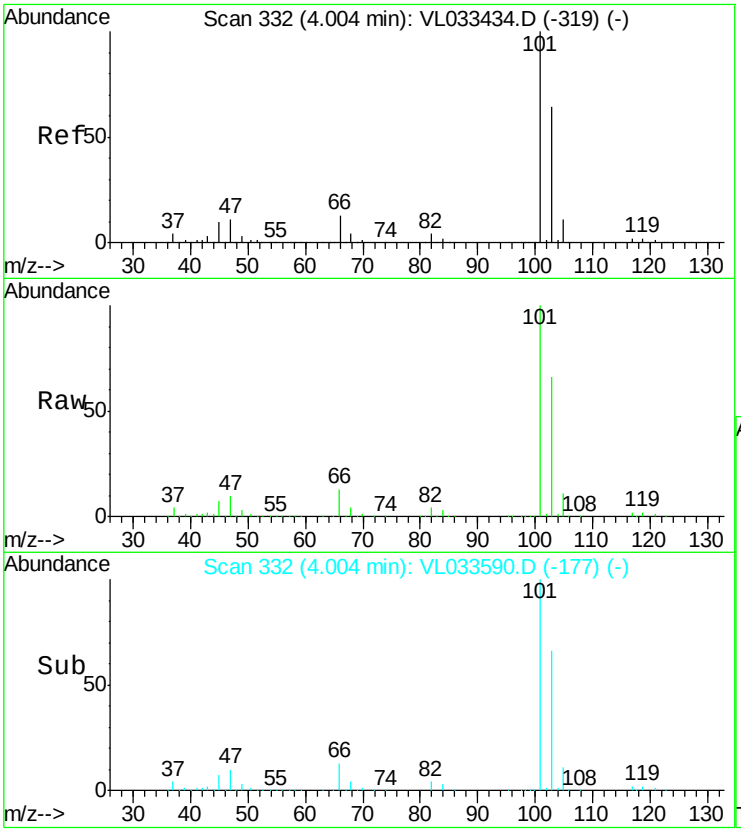


#10
Heptane
Concen: 8.707 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 43 Resp: 1010003

Ion	Ratio	Lower	Upper
43	100		
57	51.0	40.6	60.8



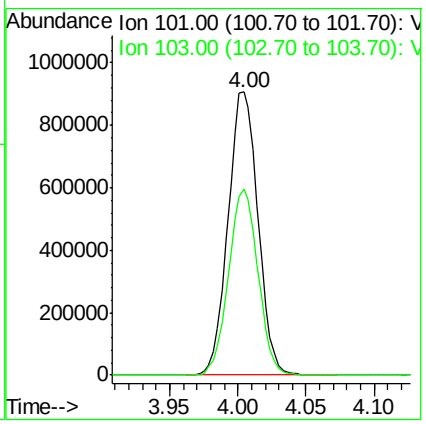


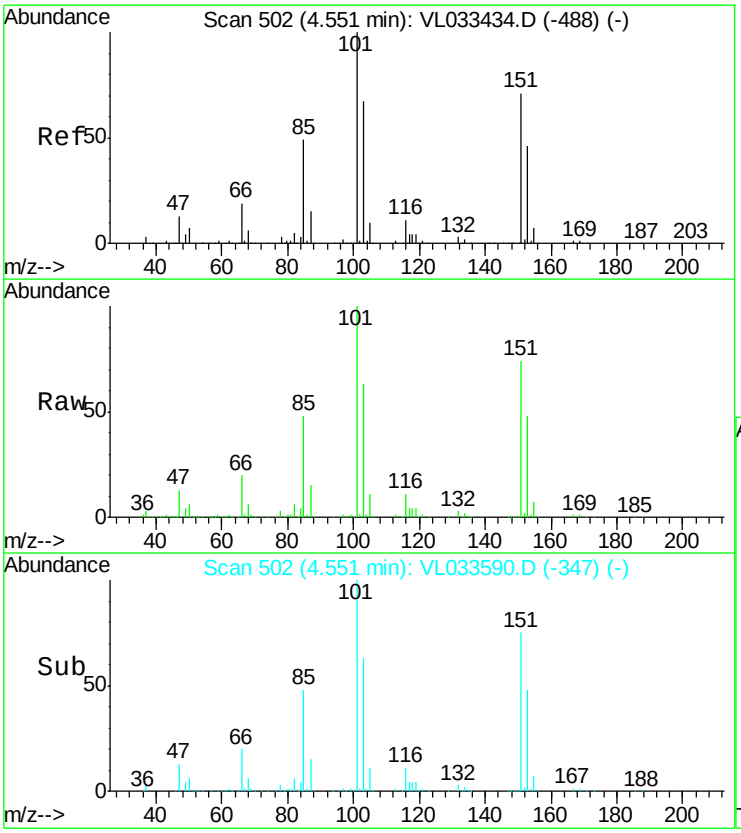
#11
Trichlorofluoromethane
Concen: 8.555 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:101 Resp: 1380168

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.3	76.9

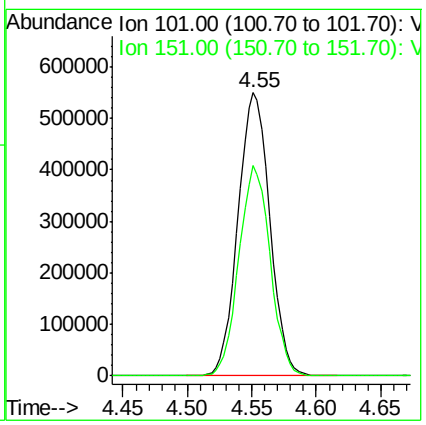


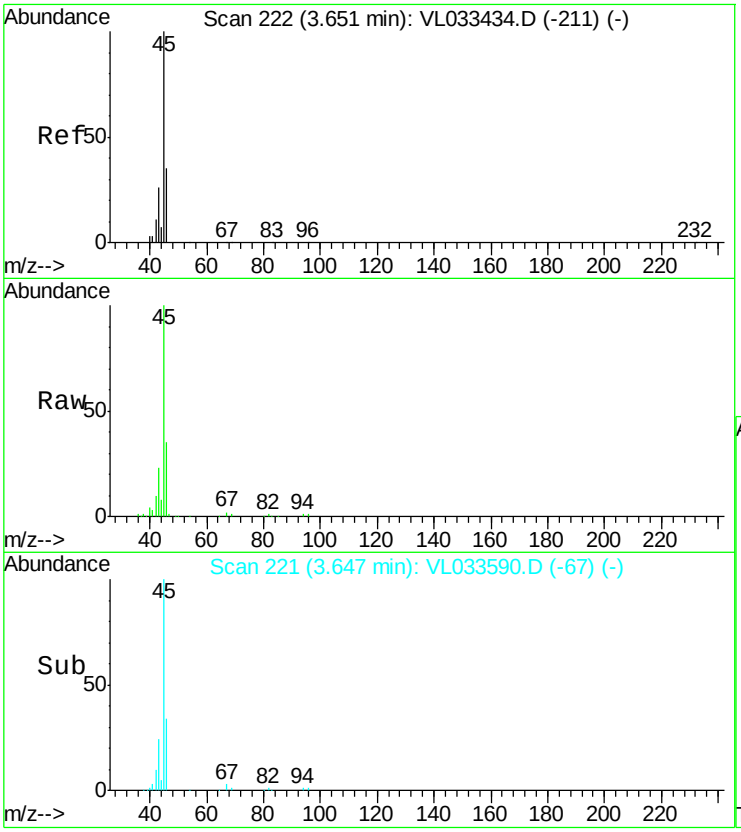


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.715 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:101 Resp: 944370

Ion	Ratio	Lower	Upper
101	100		
151	73.1	57.7	86.5



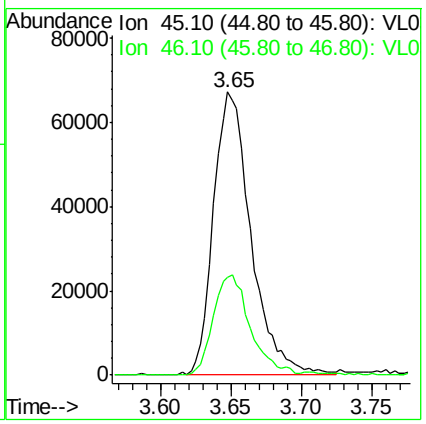


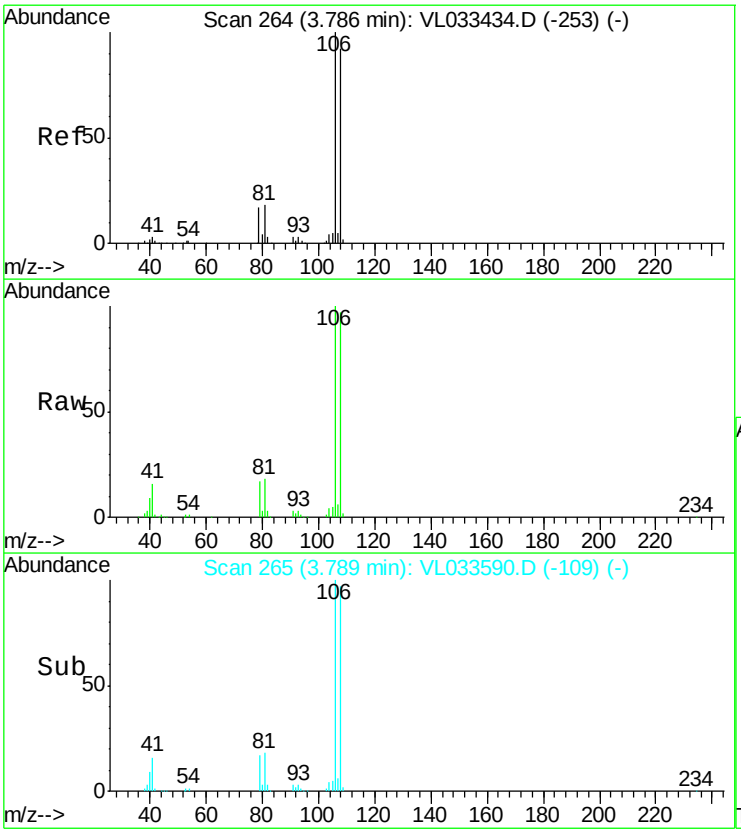
#13
Ethanol
Concen: 11.099 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 45 Resp: 124632

Ion	Ratio	Lower	Upper
45	100		
46	35.7	25.4	101.8

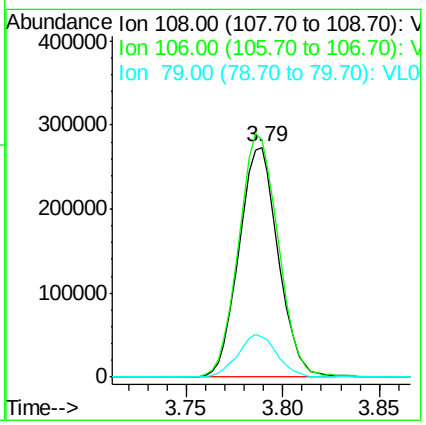


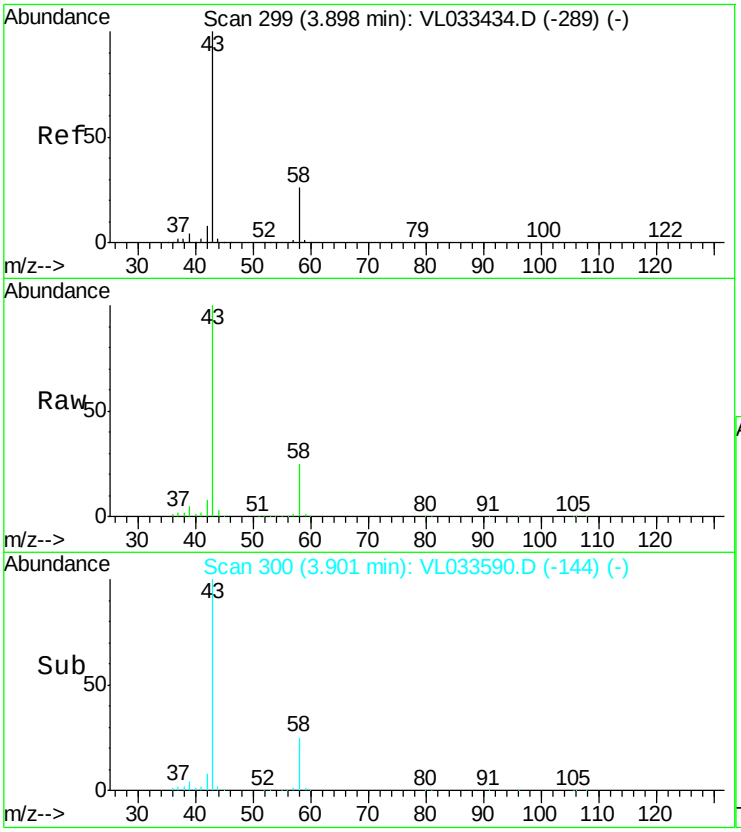


#14
Bromoethene
Concen: 8.949 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:108 Resp: 386755

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.4	129.6
79	18.5	15.8	23.8



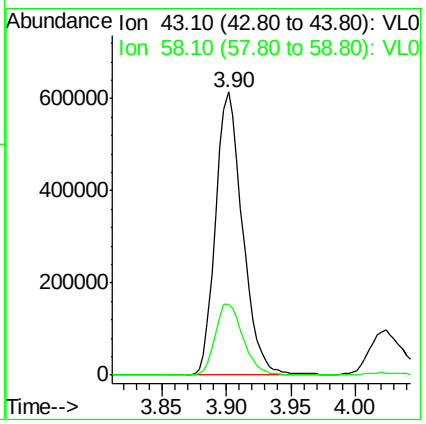


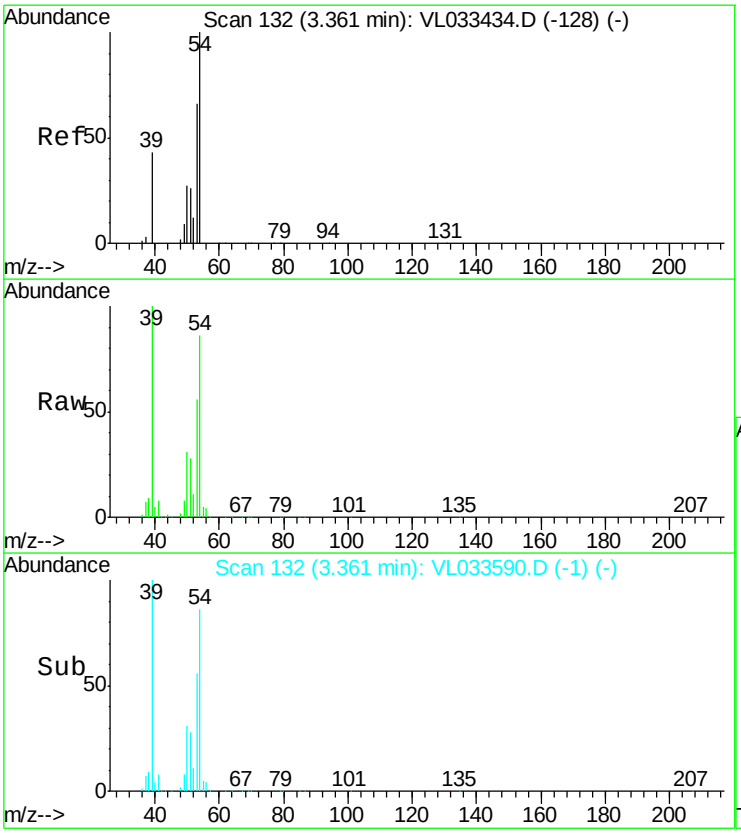
#15
Acetone
Concen: 8.264 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 43 Resp: 891826

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.5	30.7

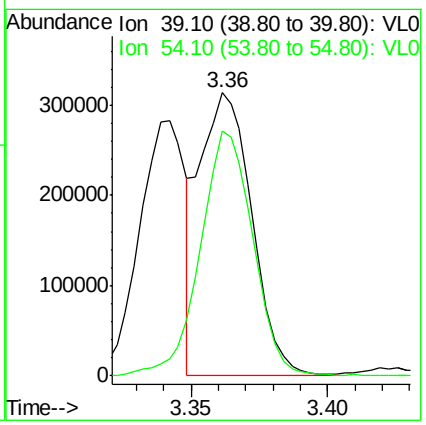


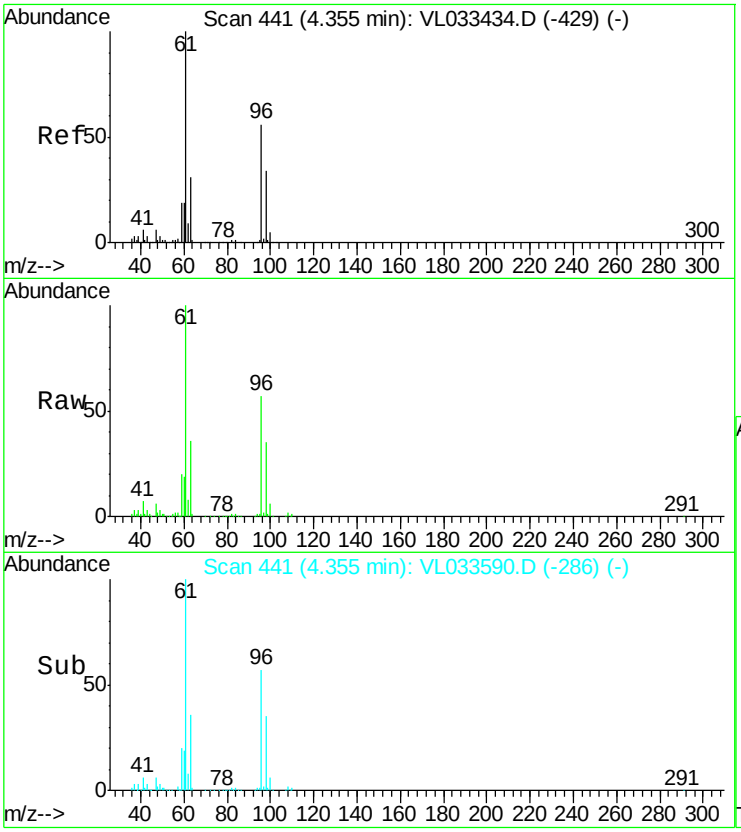


#16
1,3-Butadiene
Concen: 9.683 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 39 Resp: 414484

Ion	Ratio	Lower	Upper
39	100		
54	88.4	69.4	104.2



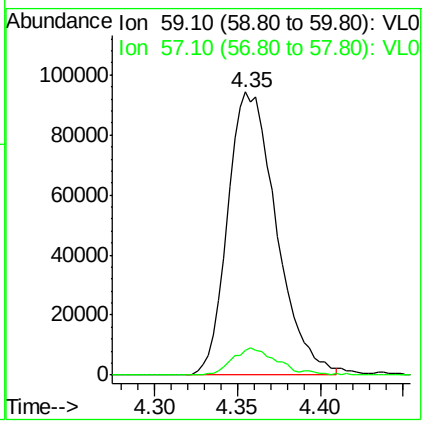


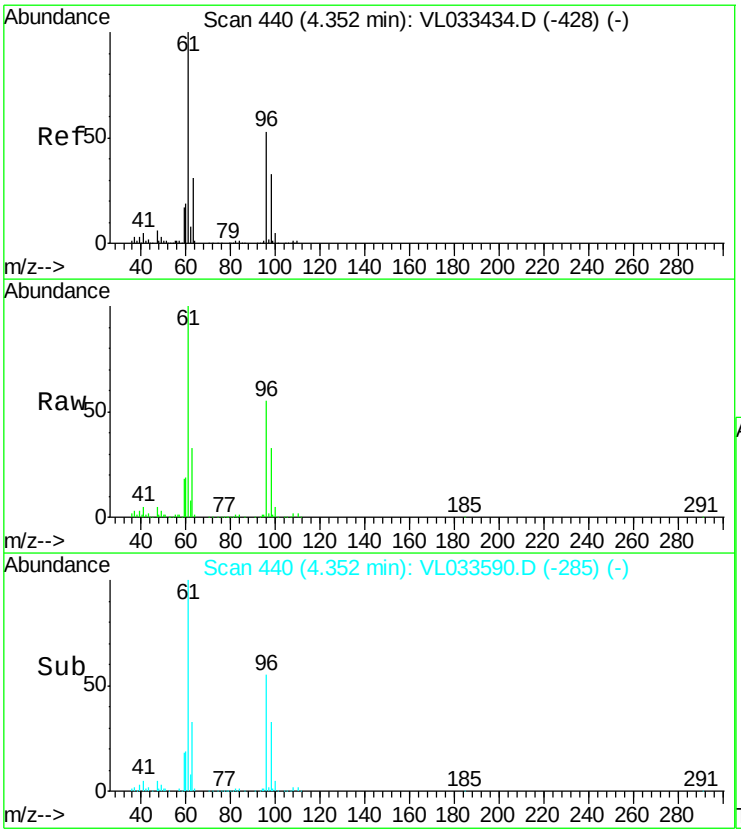
#17
tert-Butyl alcohol
Concen: 9.684 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 59 Resp: 192147

Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.8

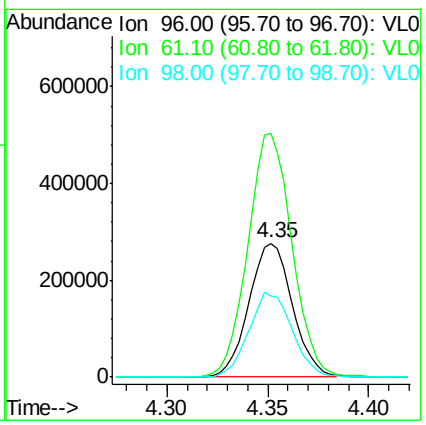


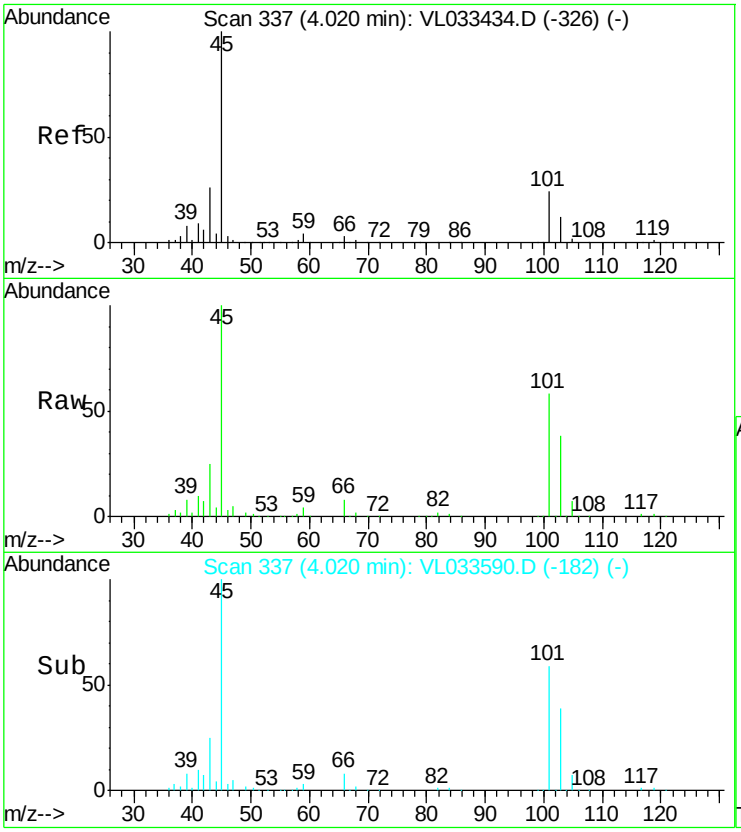


#18
1,1-Dichloroethene
Concen: 8.968 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 96 Resp: 417392

Ion	Ratio	Lower	Upper
96	100		
61	182.2	149.8	224.6
98	60.9	48.7	73.1



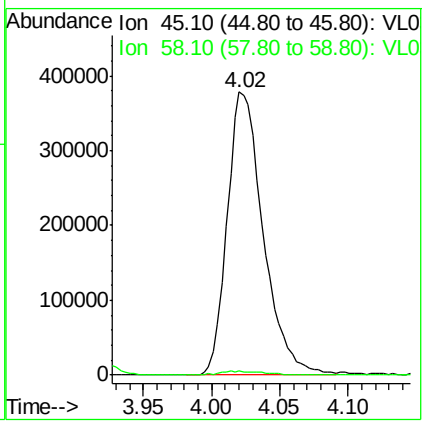


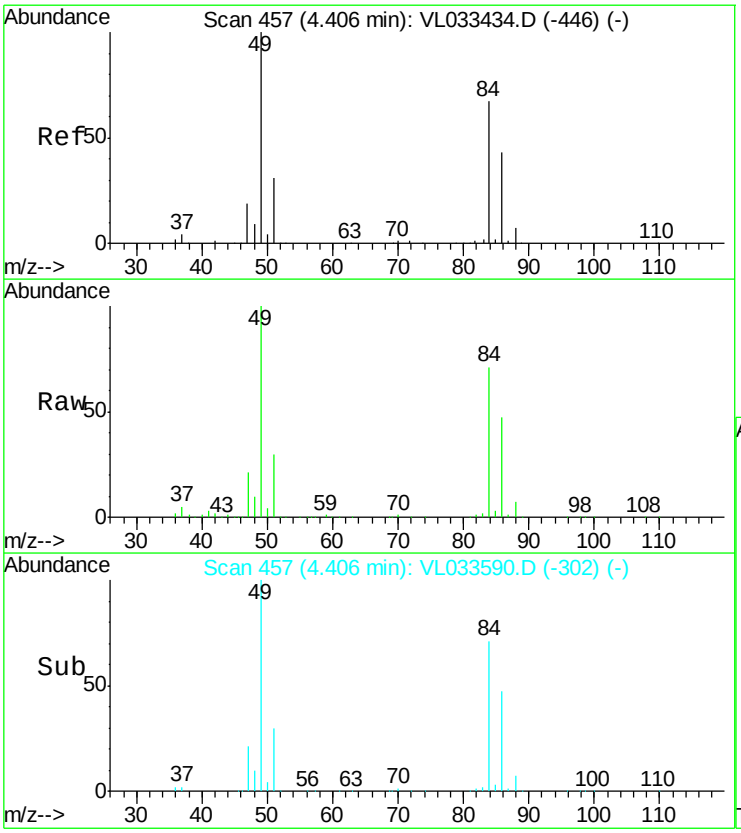
#19
Isopropyl Alcohol
Concen: 10.166 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 45 Resp: 693908

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

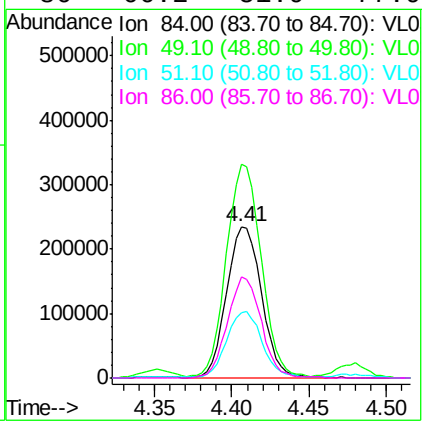


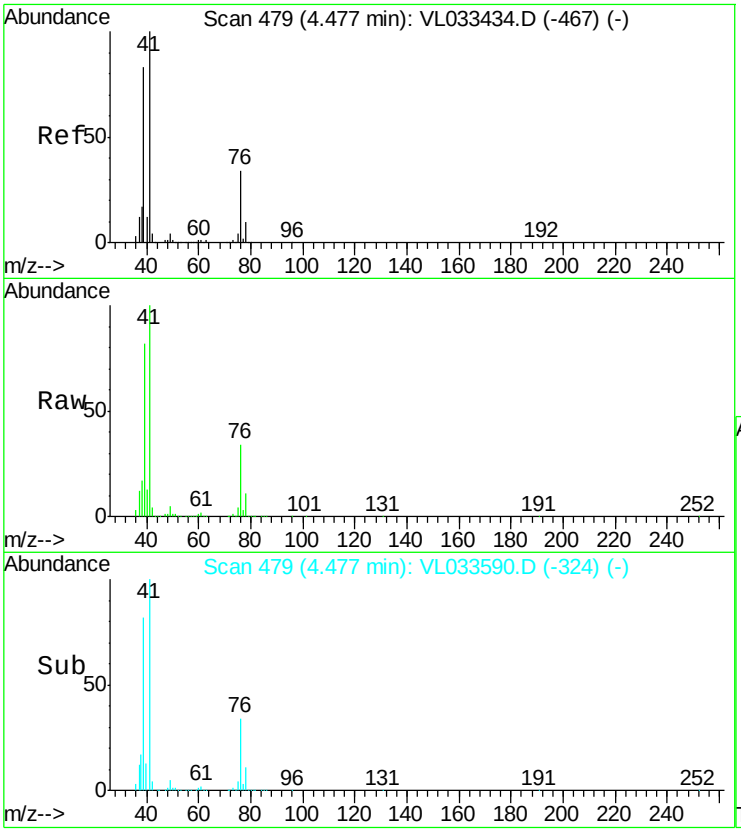


#20
Methylene Chloride
Concen: 8.009 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 84 Resp: 366881

Ion	Ratio	Lower	Upper
84	100		
49	140.1	120.0	180.0
51	42.1	36.7	55.1
86	66.2	51.9	77.9



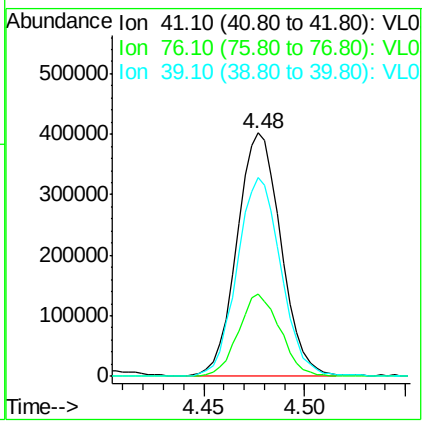


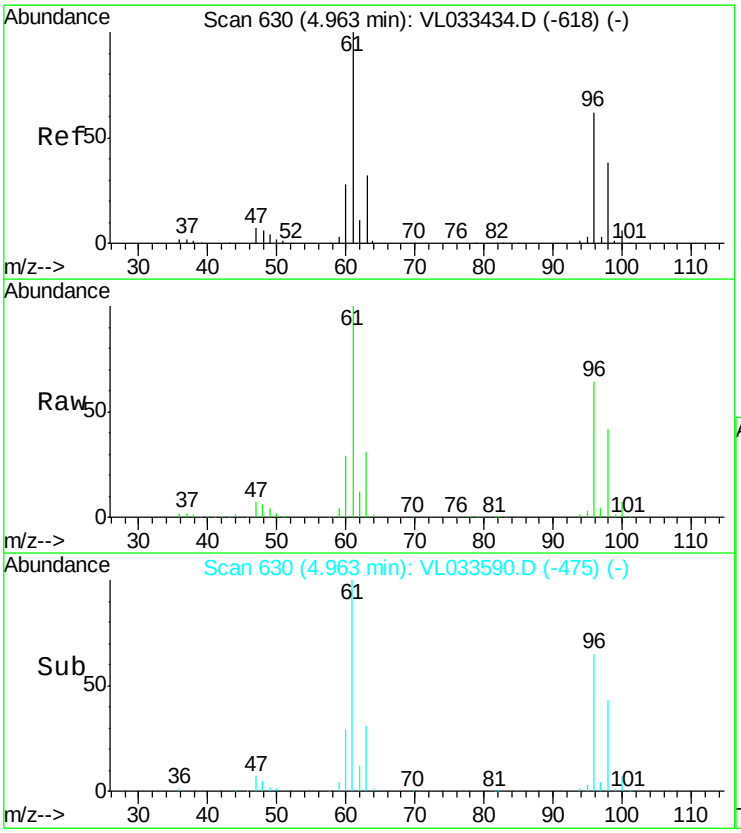
#21
Allyl Chloride
Concen: 8.986 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 41 Resp: 613038

Ion	Ratio	Lower	Upper
41	100		
76	32.4	25.4	38.2
39	81.8	65.3	97.9

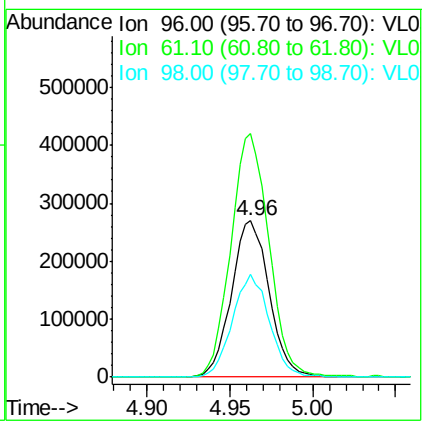


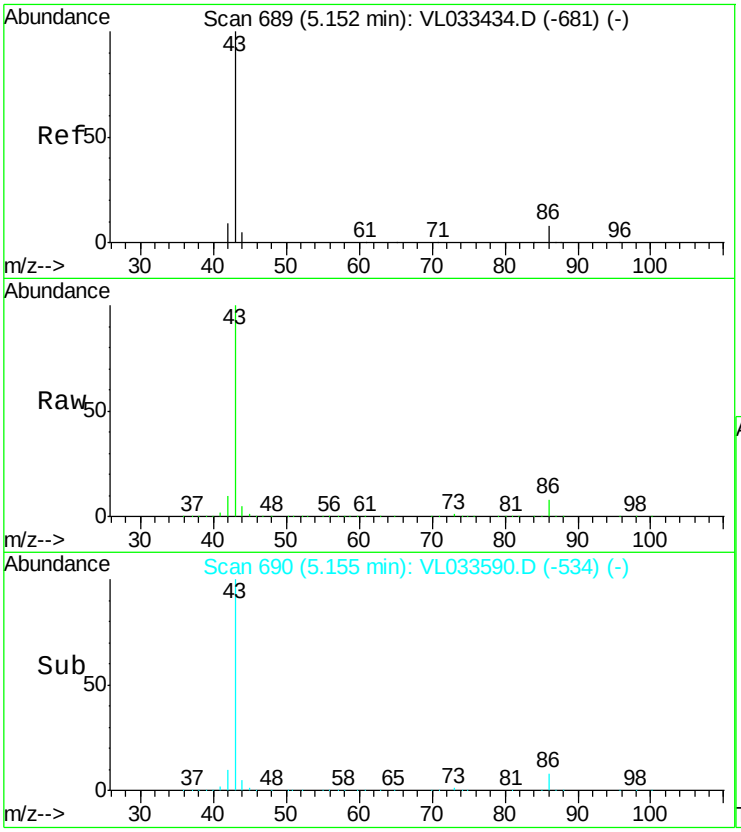


#22
trans-1,2-Dichloroethene
Concen: 8.770 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 96 Resp: 425877

Ion	Ratio	Lower	Upper
96	100		
61	155.6	128.9	193.3
98	65.8	49.5	74.3



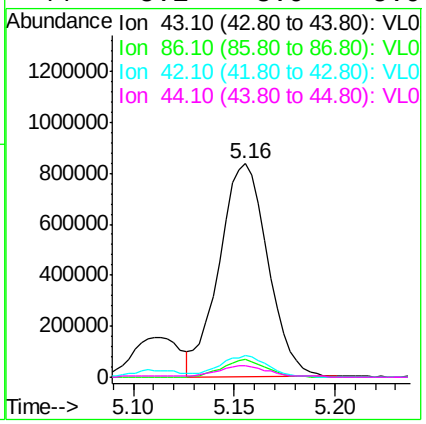


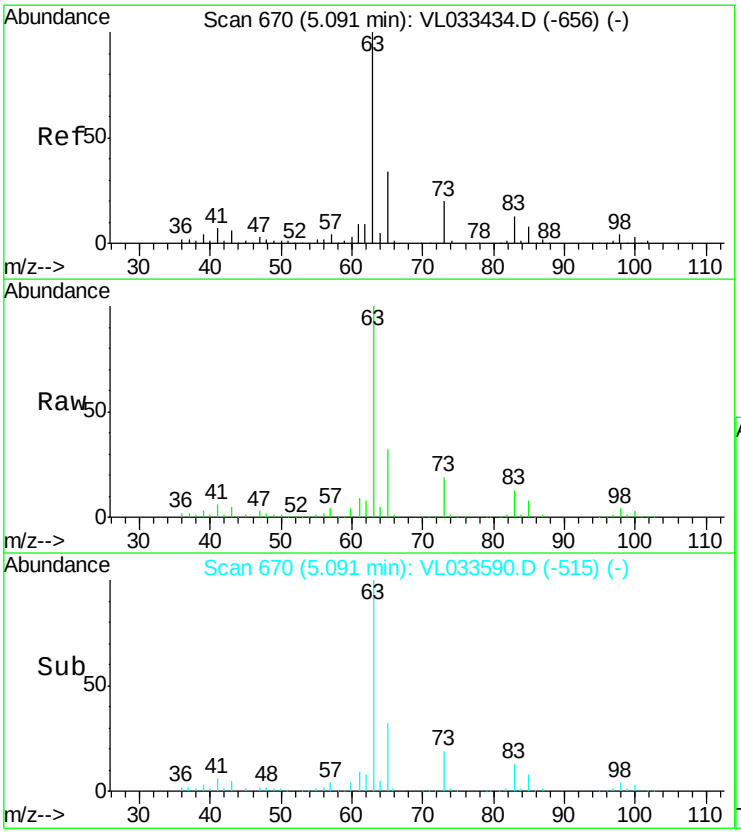
#23
Vinyl Acetate
Concen: 9.121 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 43 Resp: 1401021

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.6	8.4
42	10.0	8.0	12.0
44	5.1	3.9	5.9

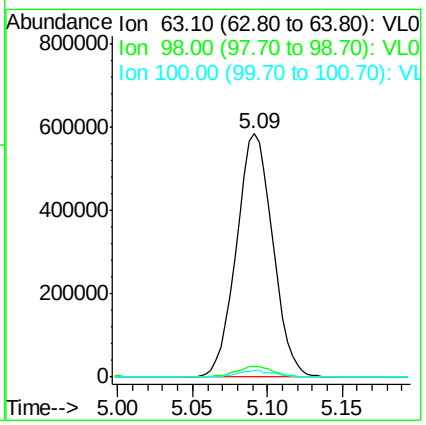


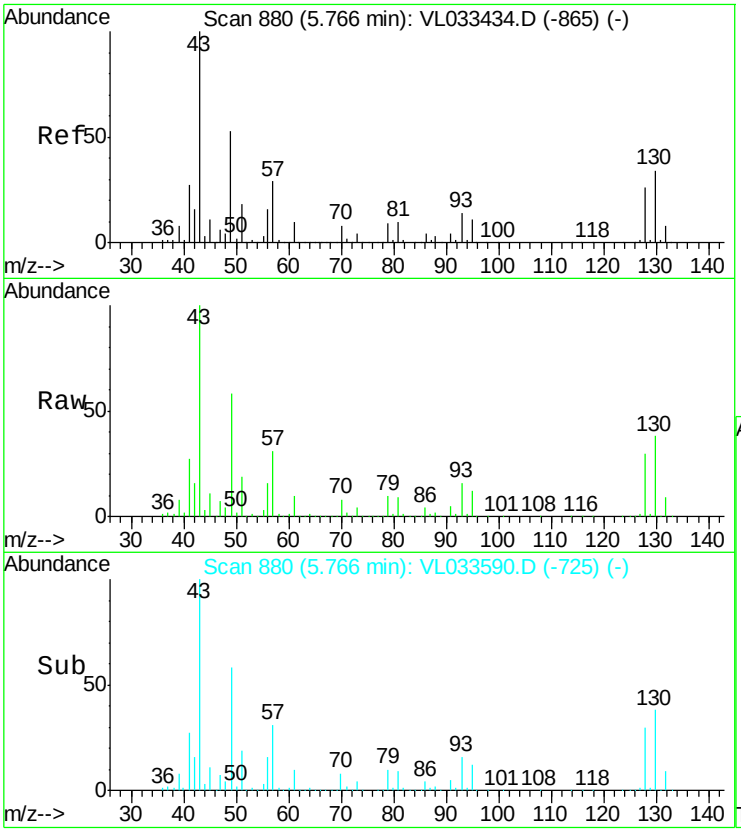


#24
1,1-Dichloroethane
Concen: 8.451 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 63 Resp: 986118

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.8	1.5	4.4



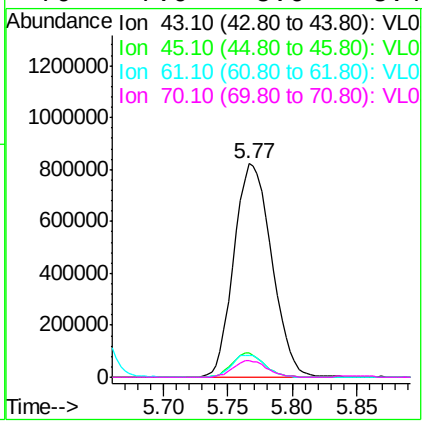


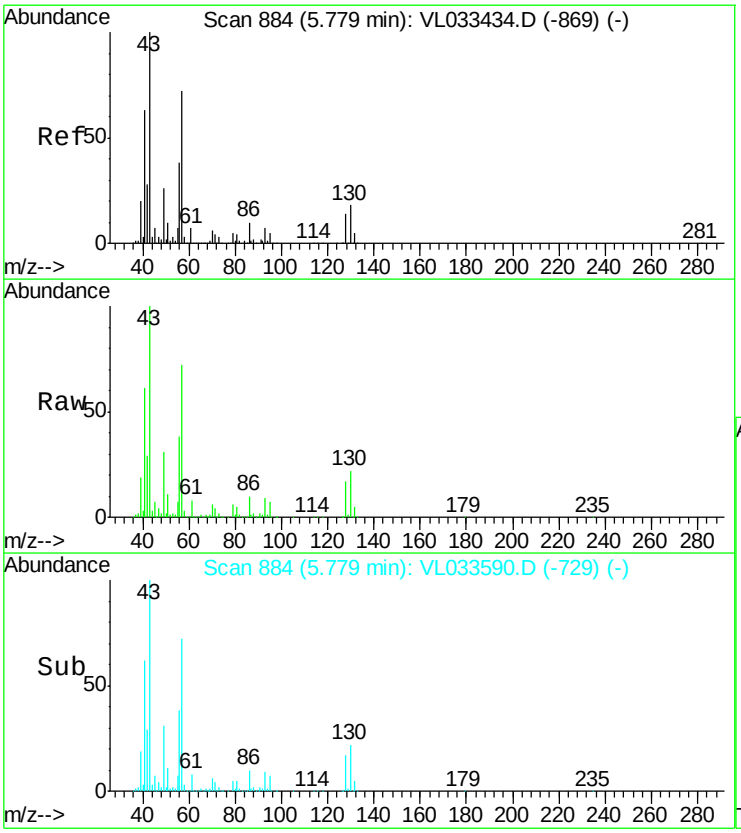
#25
Ethyl Acetate
Concen: 8.395 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 43 Resp: 1680921

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.5	7.3	10.9
70	7.0	5.6	8.4

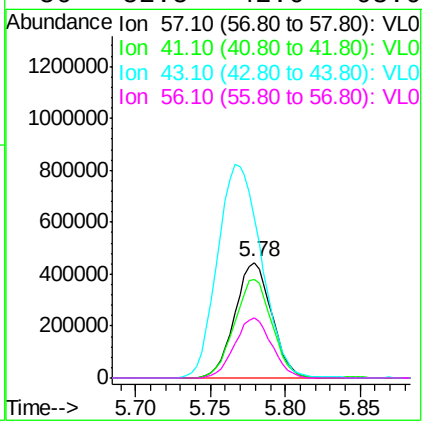


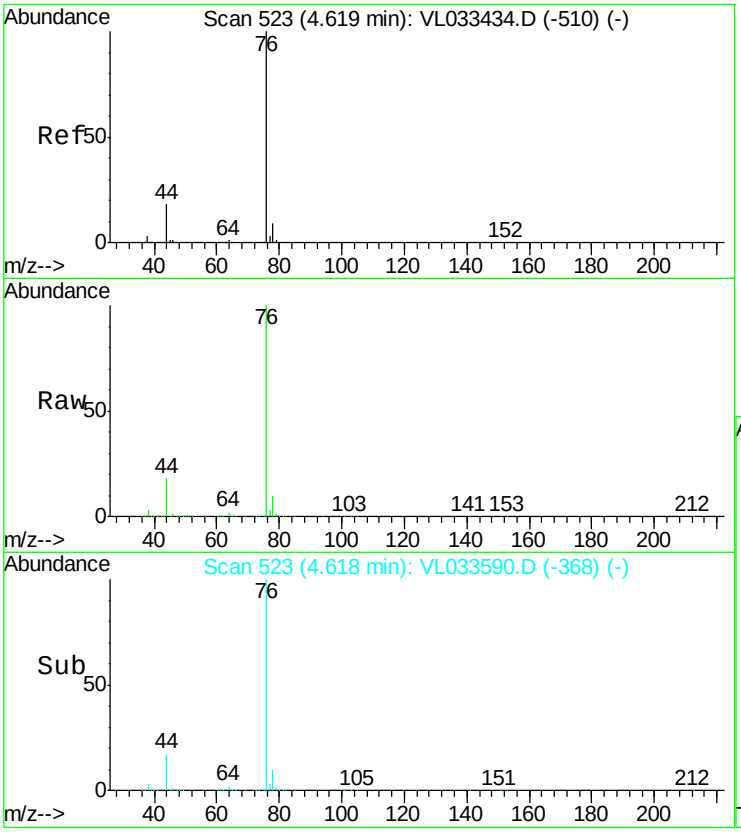


#26
Hexane
Concen: 8.567 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 57 Resp: 762750

Ion	Ratio	Lower	Upper
57	100		
41	87.0	70.7	106.1
43	221.4	182.6	274.0
56	52.5	42.0	63.0



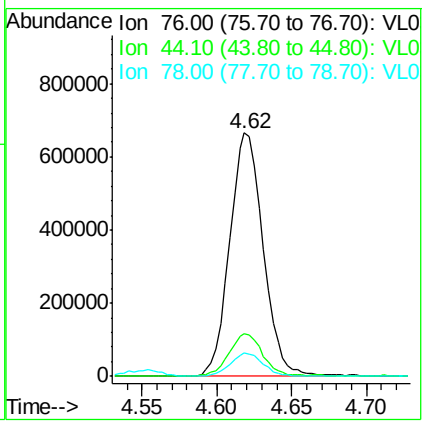


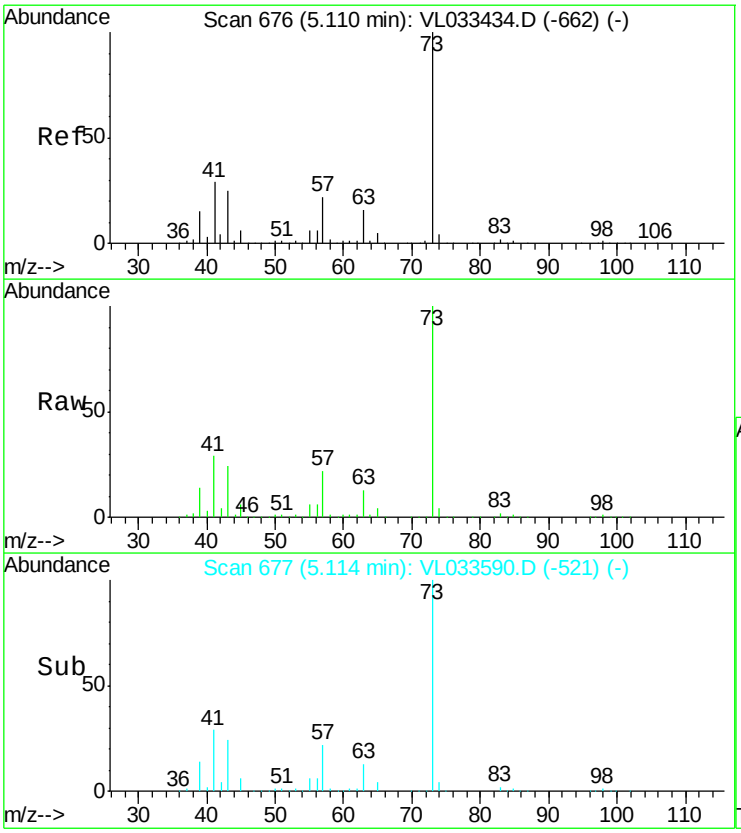
#27
Carbon Disulfide
Concen: 9.799 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 76 Resp: 1037381

Ion	Ratio	Lower	Upper
76	100		
44	17.2	14.8	22.2
78	9.3	7.6	11.4

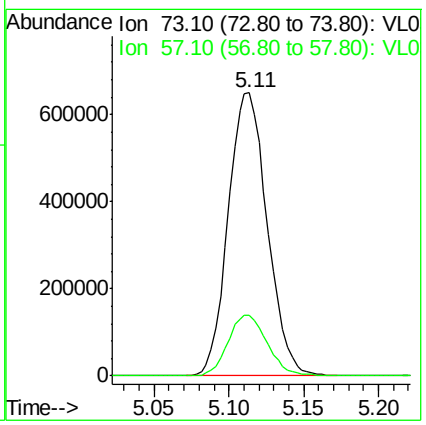


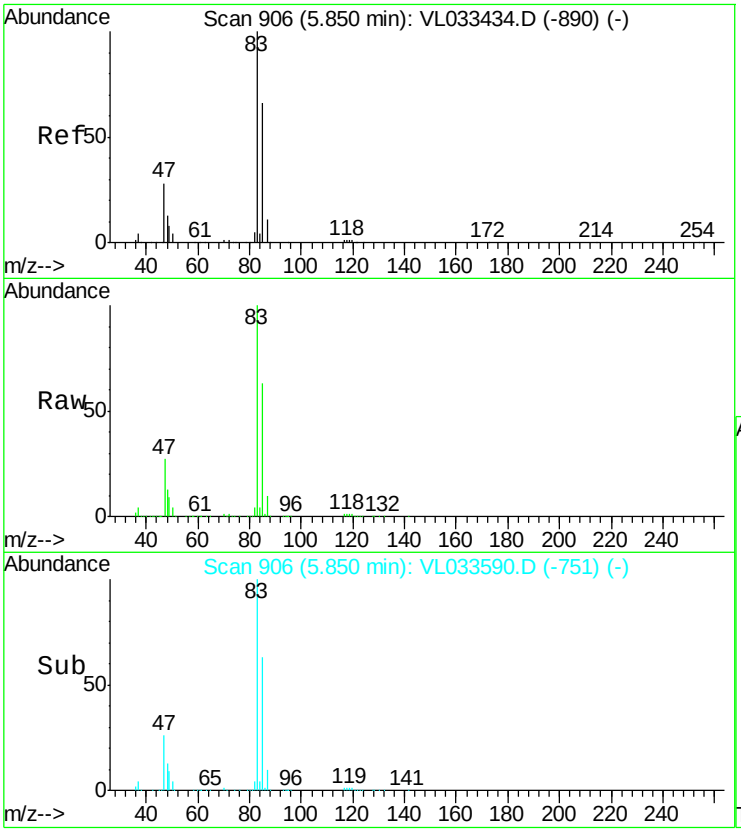


#28
Methyl tert-Butyl Ether
Concen: 9.206 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 73 Resp: 1180430

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



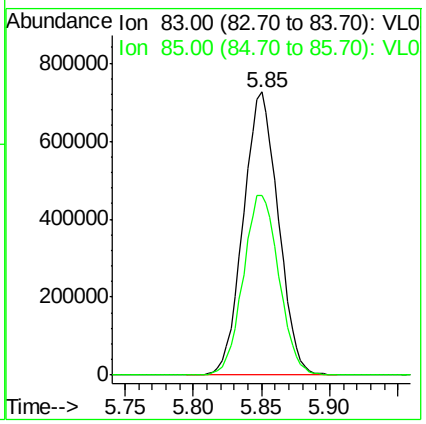


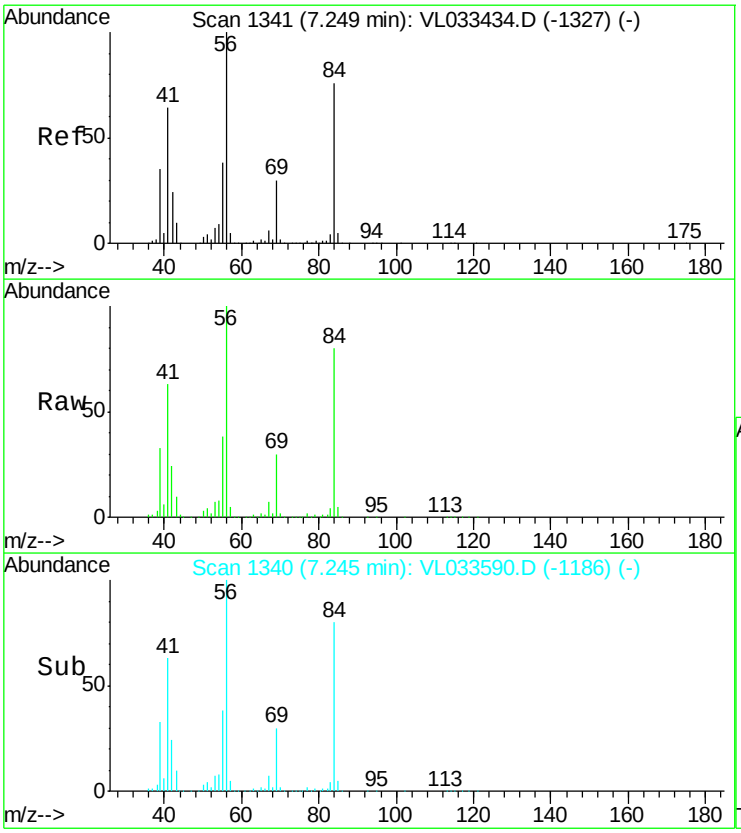
#29
Chloroform
Concen: 8.454 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 83 Resp: 1290206

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	79.0

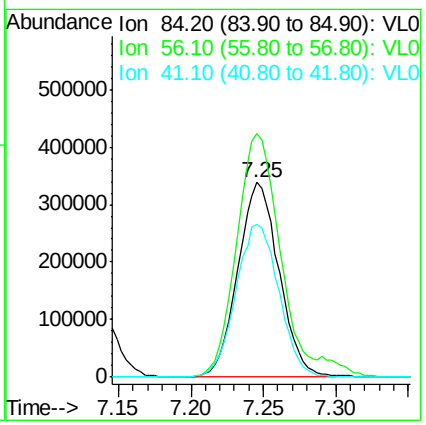


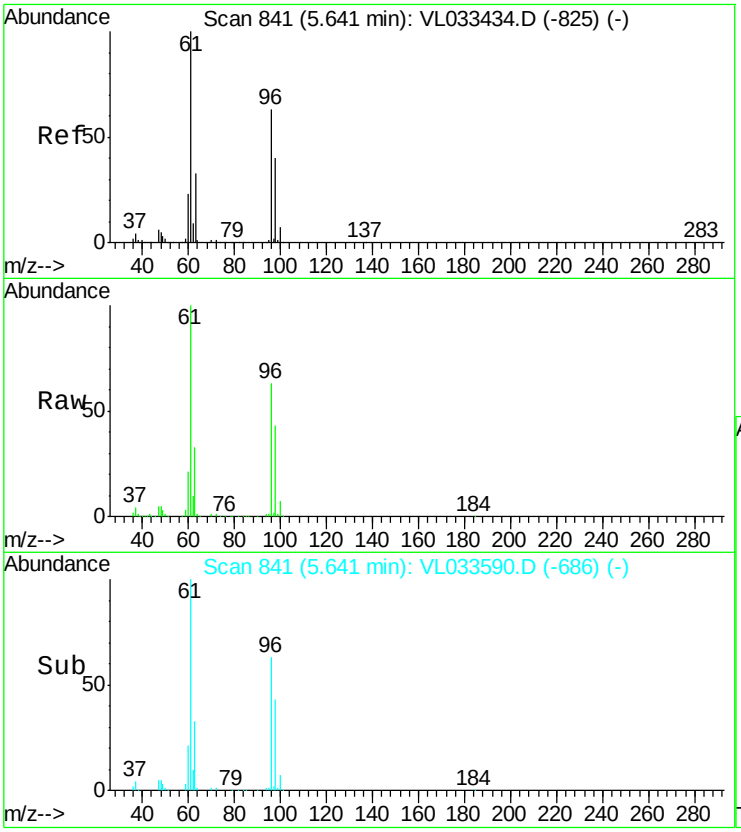


#30
Cyclohexane
Concen: 9.476 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 84 Resp: 667414

Ion	Ratio	Lower	Upper
84	100		
56	136.5	109.7	164.5
41	82.2	68.2	102.2



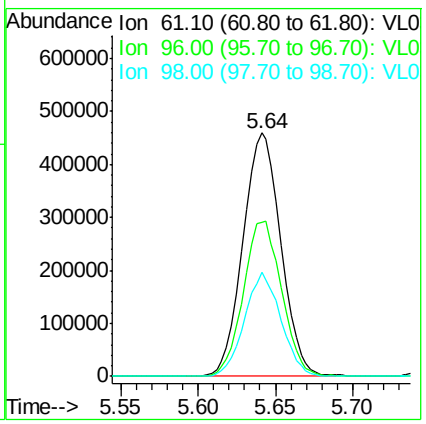


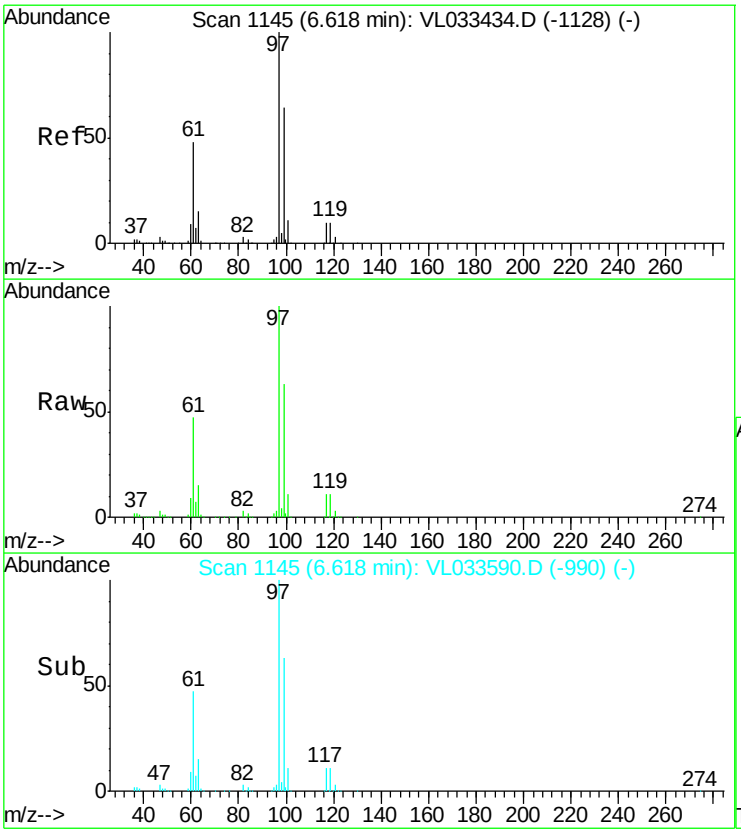
#31
cis-1,2-Dichloroethene
Concen: 8.871 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 61 Resp: 785240

Ion	Ratio	Lower	Upper
61	100		
96	63.4	50.6	76.0
98	42.5	32.2	48.2

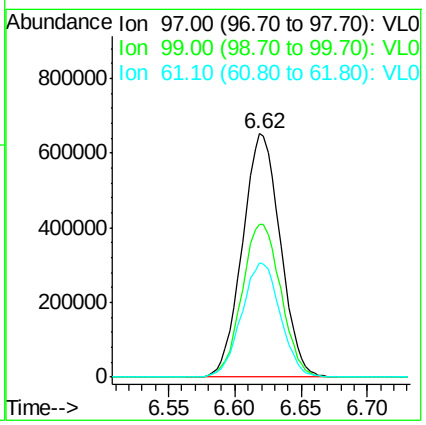


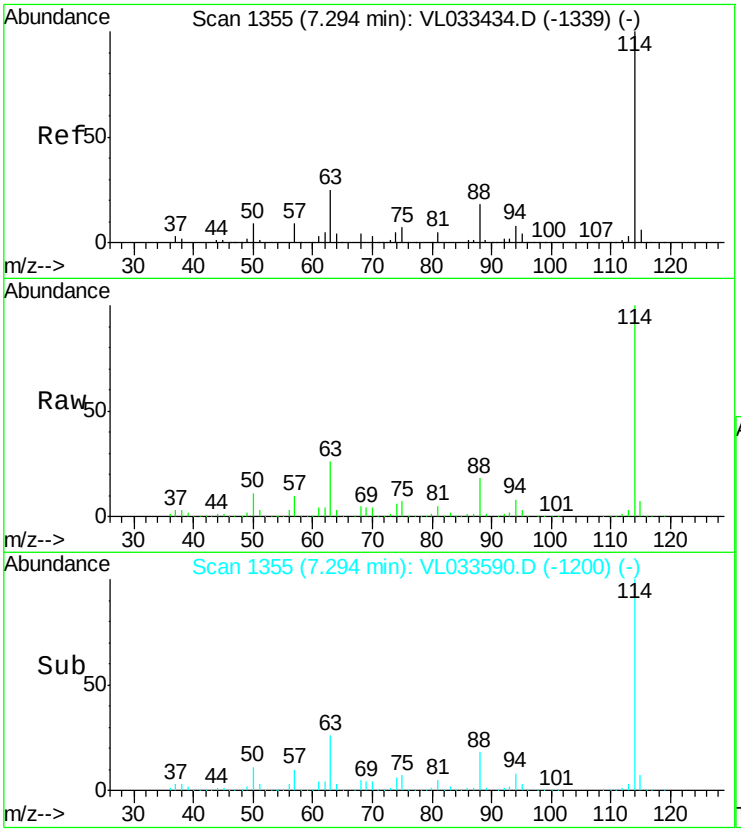


#32
1,1,1-Trichloroethane
Concen: 8.913 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 97 Resp: 1295232

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	47.9	38.8	58.2



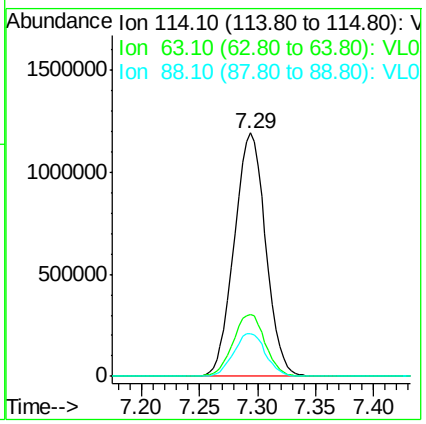


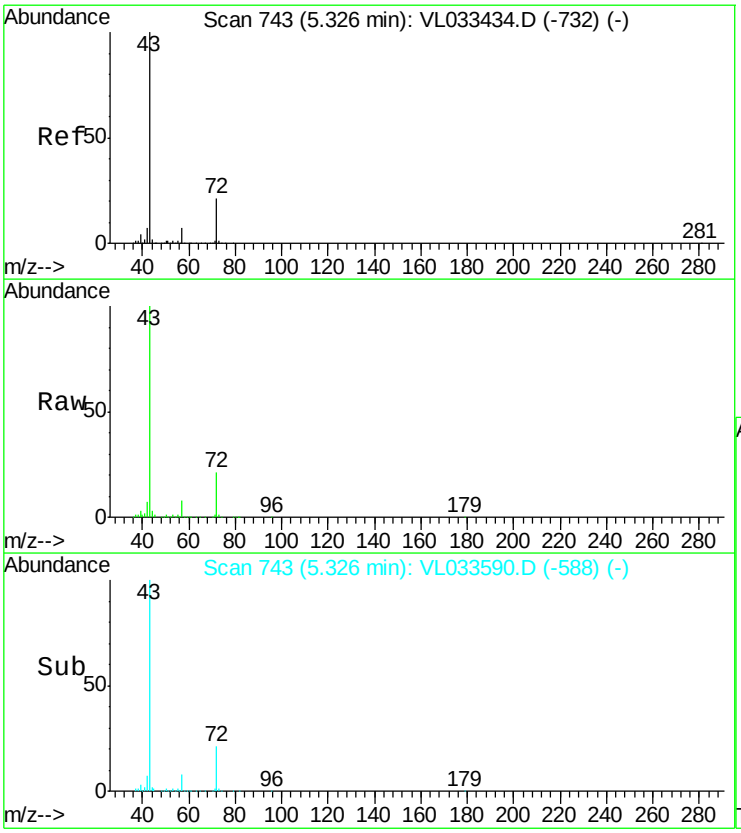
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:114 Resp: 2247188

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.5	32.3
88	17.9	14.5	21.7

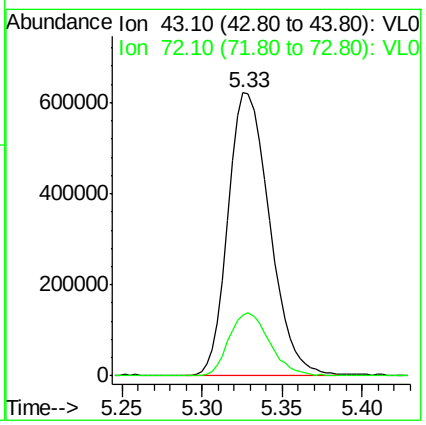


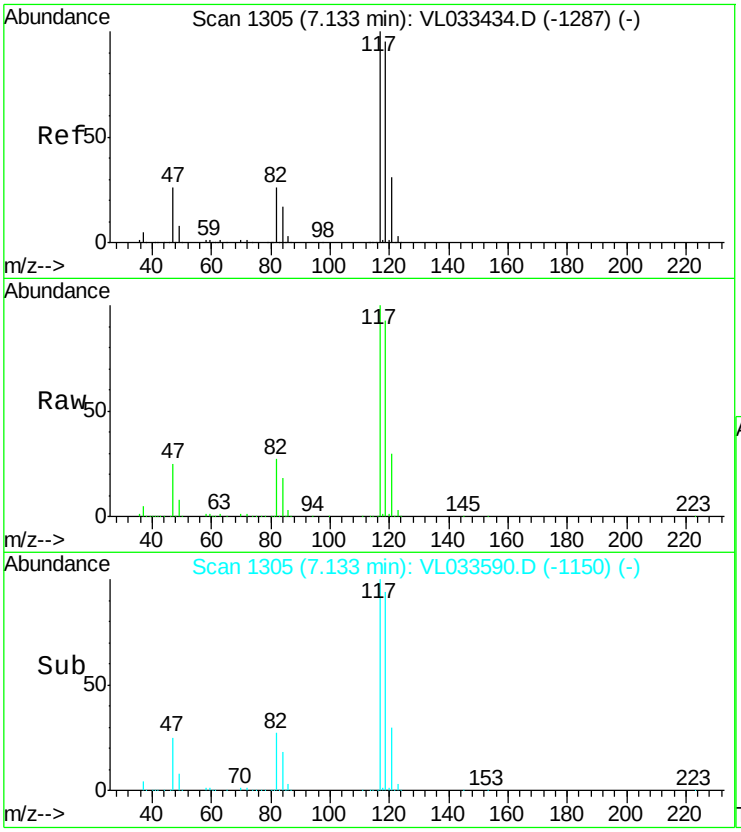


#34
2-Butanone
Concen: 8.143 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 43 Resp: 1099437

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.4	26.2



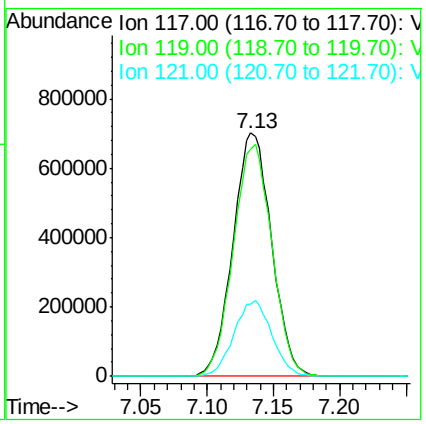


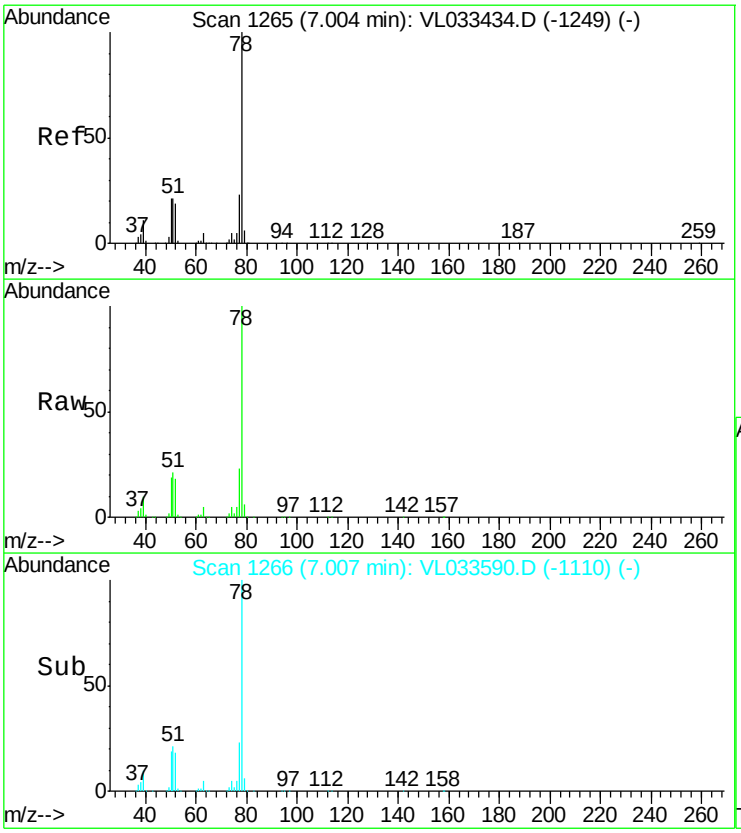
#35
Carbon Tetrachloride
Concen: 8.905 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:117 Resp: 1417344

Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.8	113.8
121	29.8	24.7	37.1

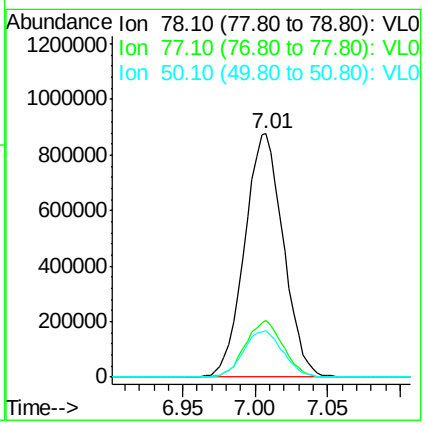


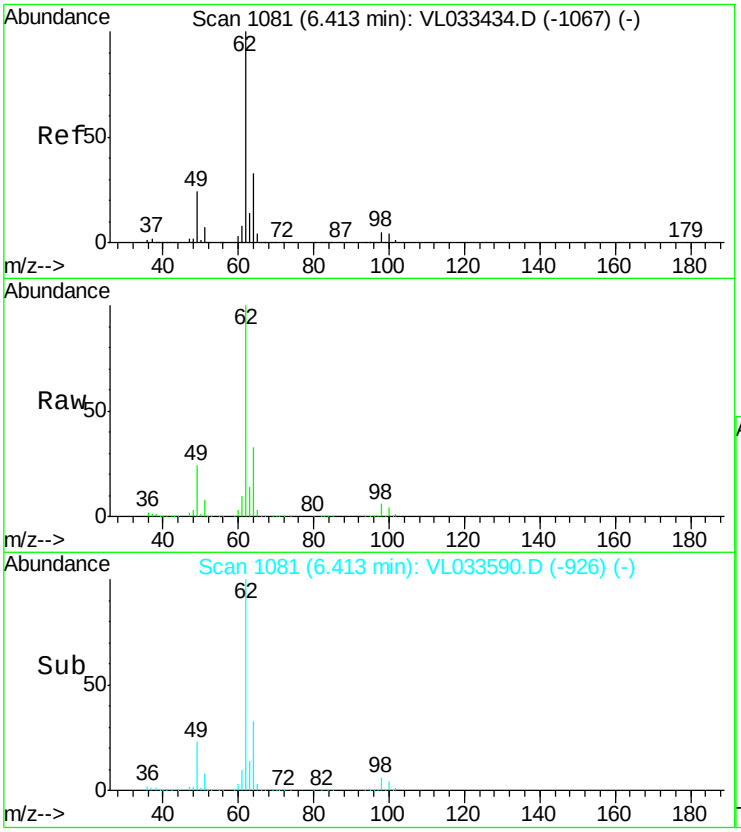


#36
Benzene
Concen: 8.640 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 78 Resp: 1629086

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.1	27.1
50	19.1	16.7	25.1



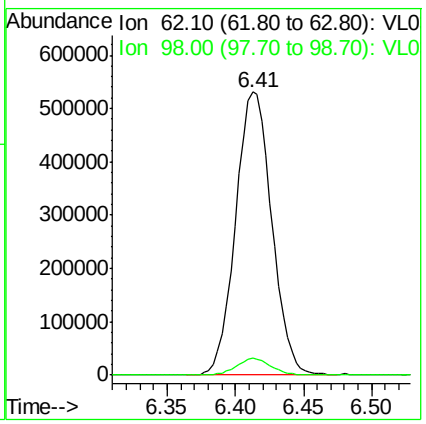


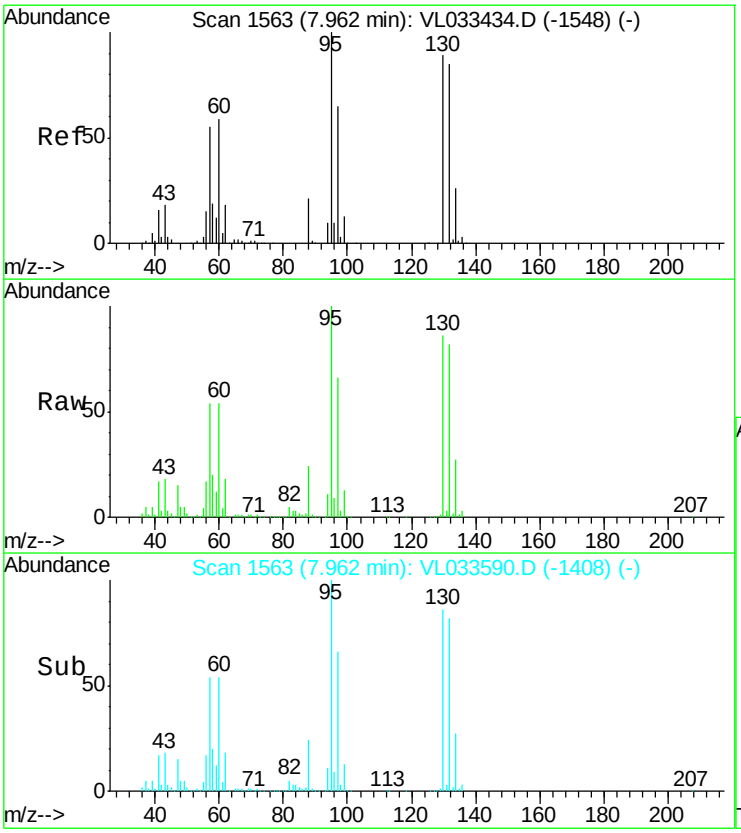
#37
1,2-Dichloroethane
Concen: 7.746 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 62 Resp: 978929

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

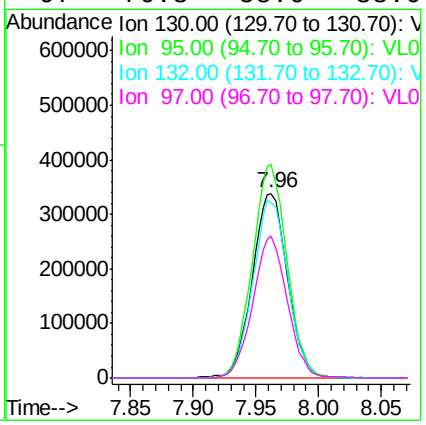


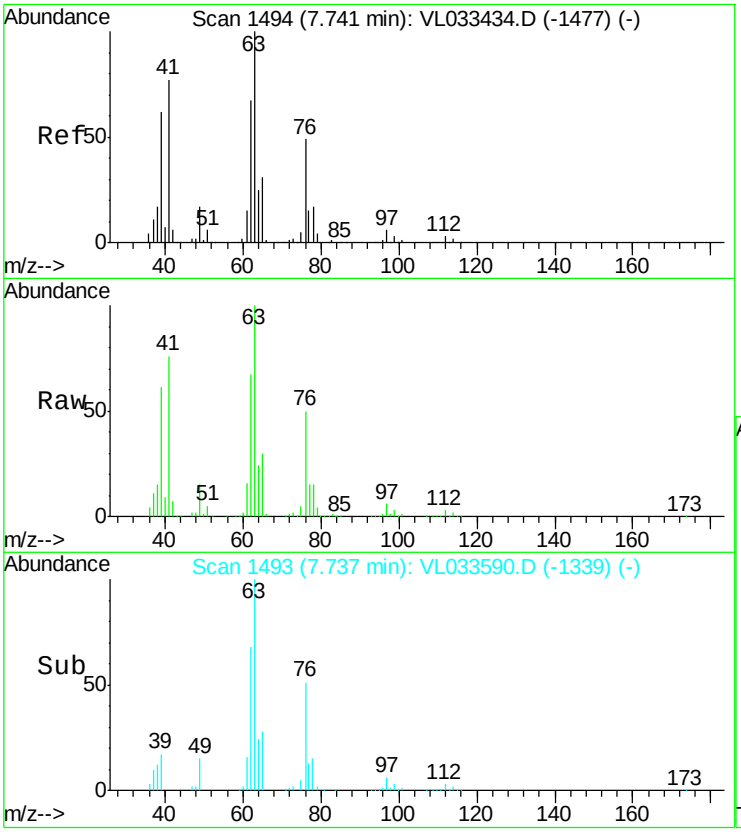


#38
Trichloroethene
Concen: 9.326 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:130 Resp: 661758

Ion	Ratio	Lower	Upper
130	100		
95	115.8	89.8	134.8
132	94.7	76.6	115.0
97	76.8	58.6	88.0



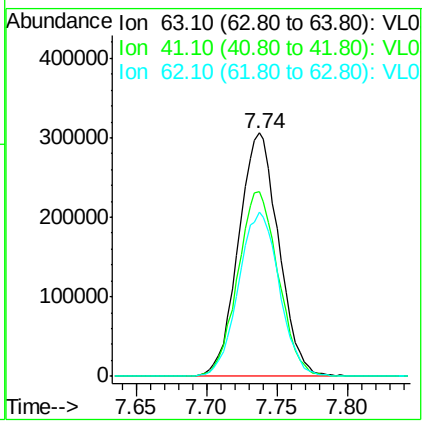


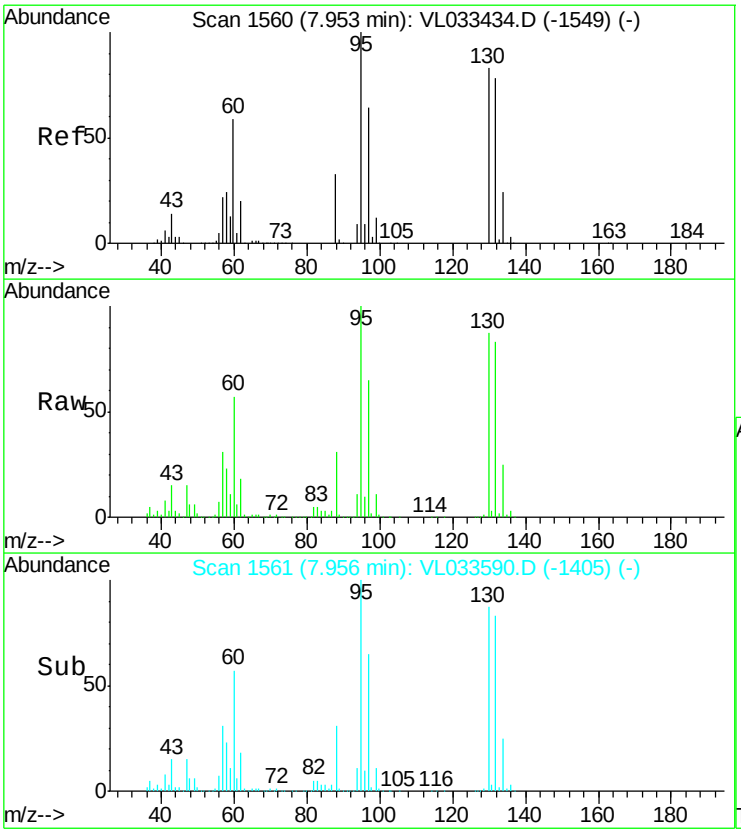
#39
1,2-Dichloropropane
Concen: 8.249 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 63 Resp: 609312

Ion	Ratio	Lower	Upper
63	100		
41	75.9	61.2	91.8
62	67.4	54.0	81.0

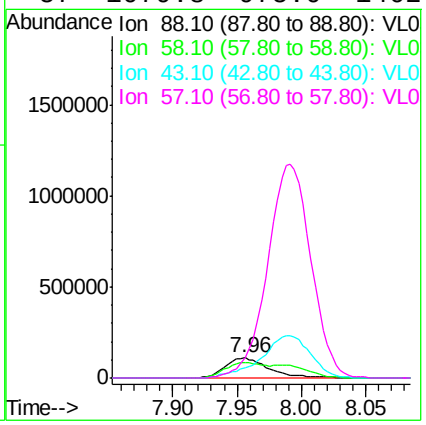


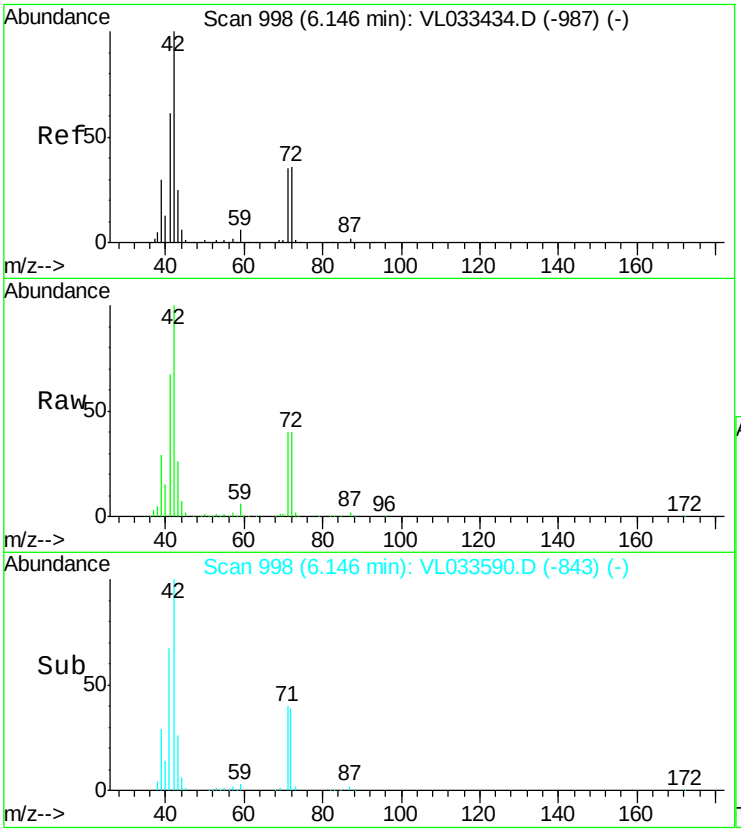


#40
1,4-Dioxane
Concen: 9.662 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 88 Resp: 254543

Ion	Ratio	Lower	Upper
88	100		
58	125.7	105.6	158.4
43	245.3	216.7	325.1
57	1079.8	975.0	1462.4



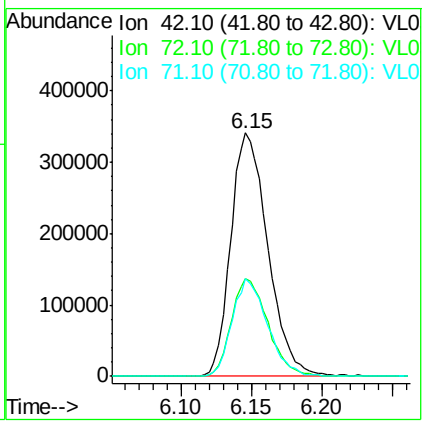


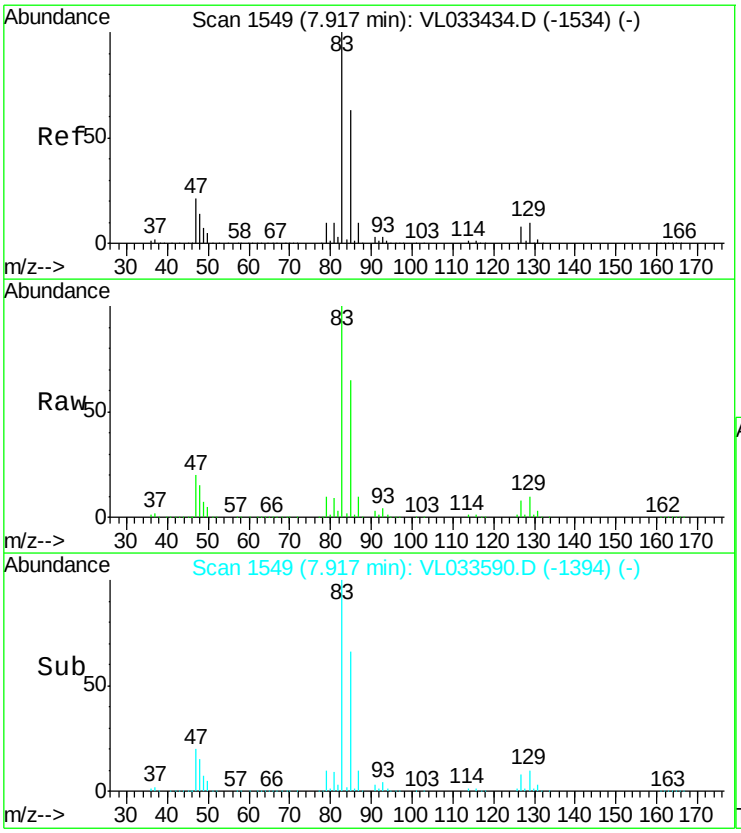
#41
Tetrahydrofuran
Concen: 8.468 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 42 Resp: 628804

Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.2	45.2
71	38.4	29.4	44.2

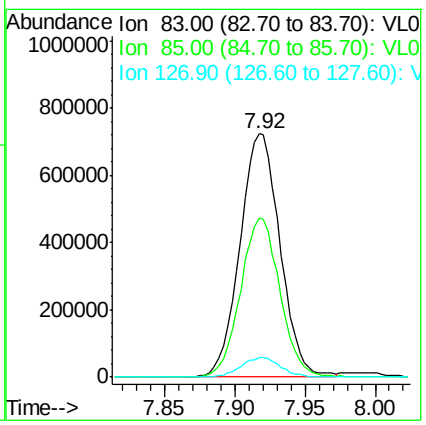


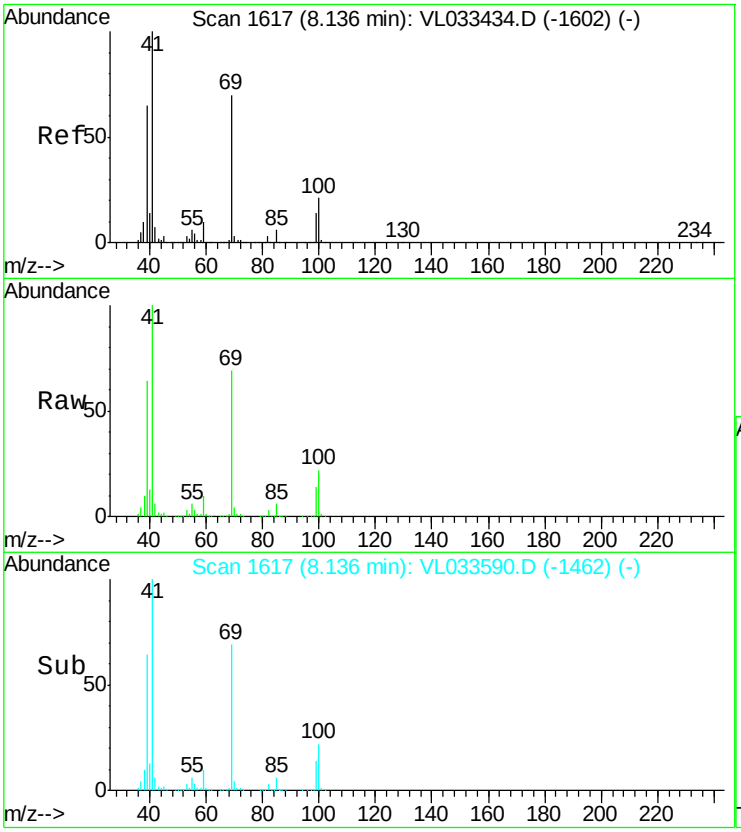


#42
Bromodichloromethane
Concen: 8.364 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 83 Resp: 1439817

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1
127	8.2	6.6	9.8



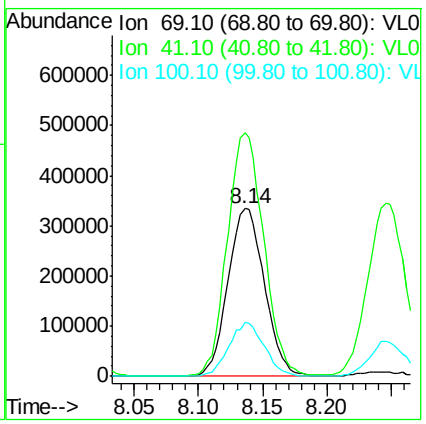


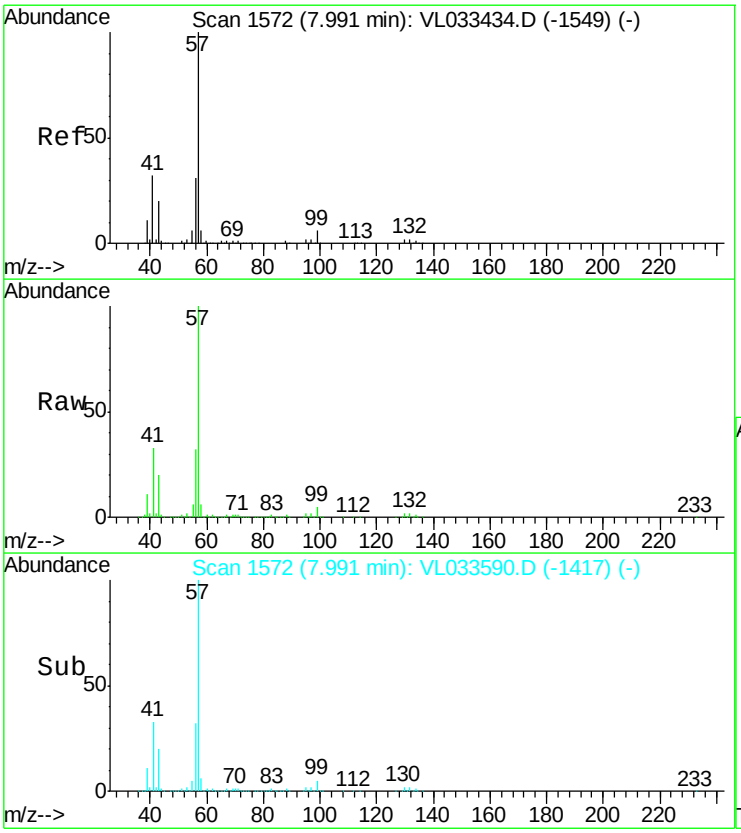
#43
Methyl Methacrylate
Concen: 8.618 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 69 Resp: 659799

Ion	Ratio	Lower	Upper
69	100		
41	144.5	116.6	174.8
100	31.2	24.4	36.6

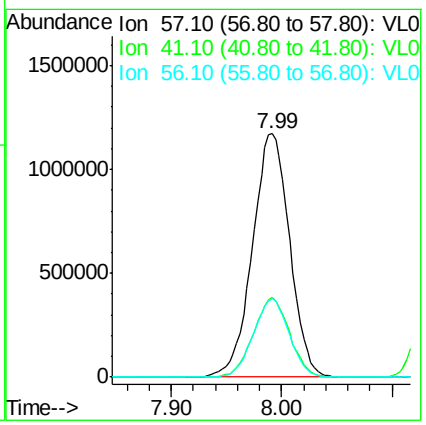


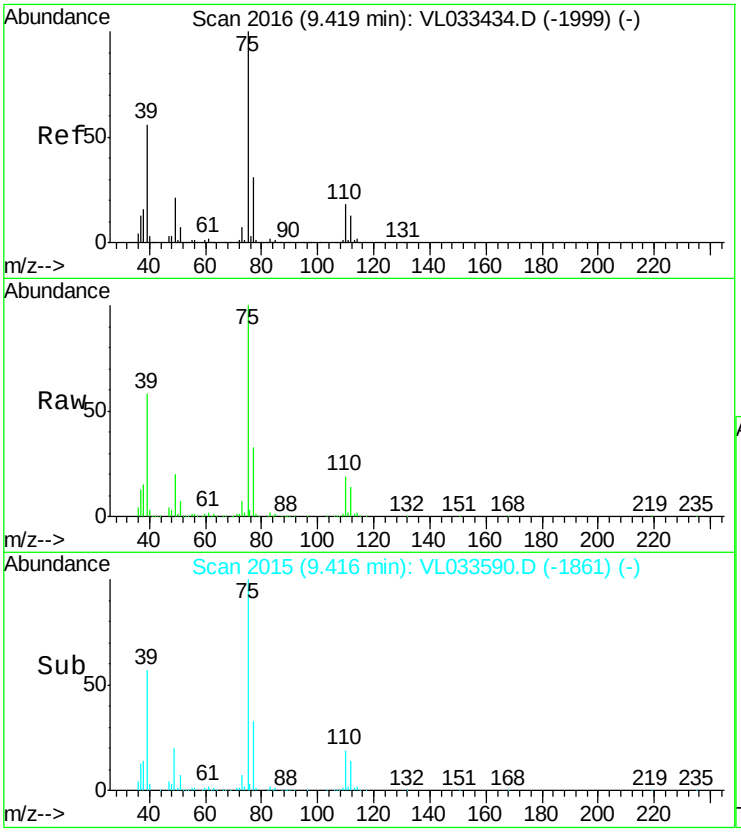


#44
2,2,4-Trimethylpentane
Concen: 8.329 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 57 Resp: 2744202

Ion	Ratio	Lower	Upper
57	100		
41	31.7	26.0	39.0
56	31.0	24.6	37.0



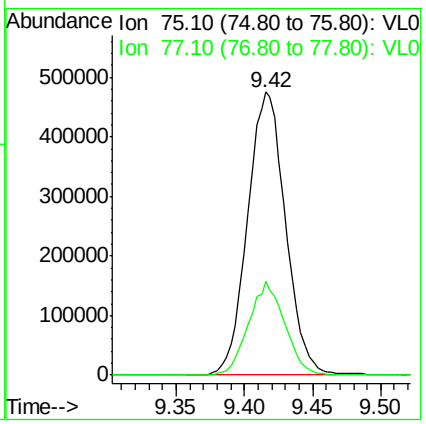


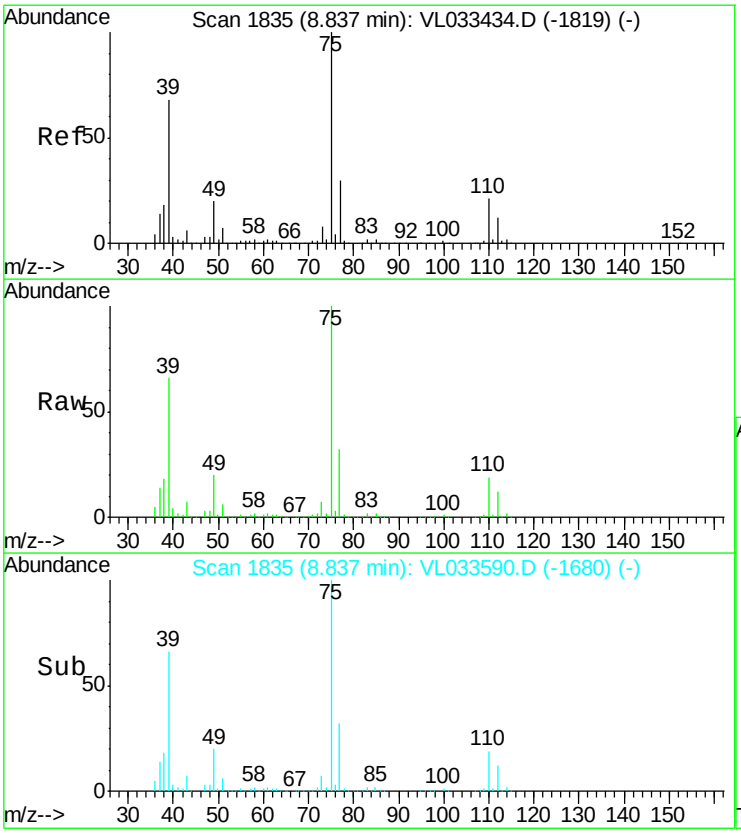
#45
t-1,3-Dichloropropene
Concen: 9.744 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 75 Resp: 915969

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.5	36.7

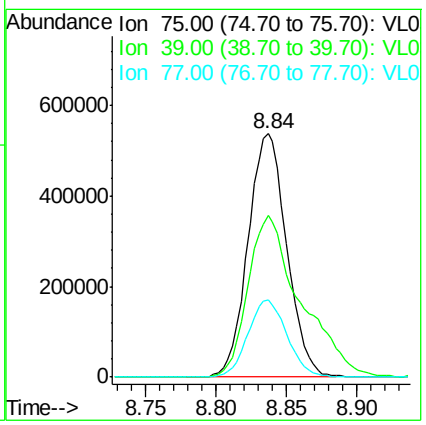


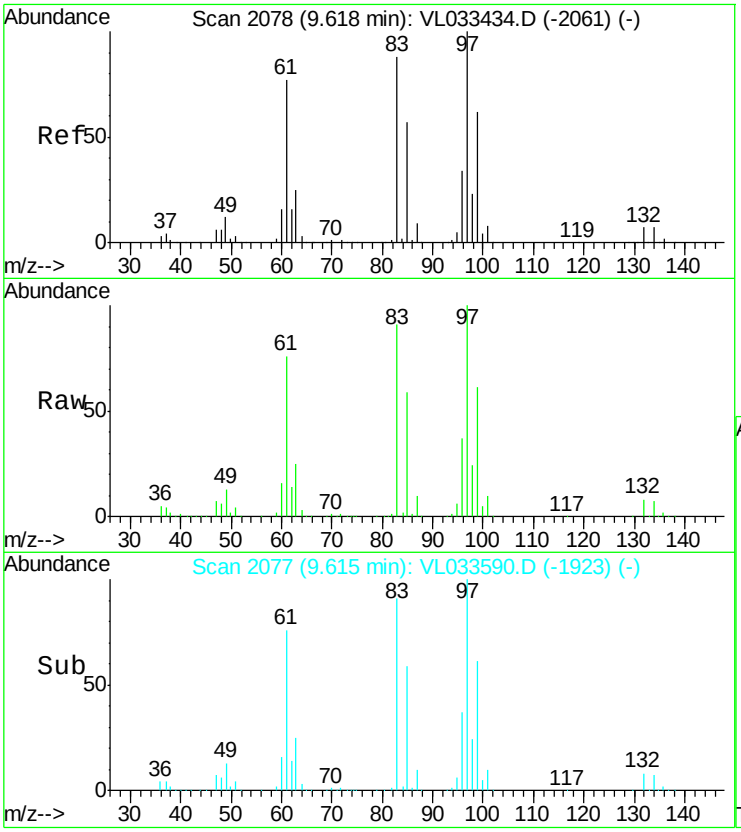


#46
cis-1,3-Dichloropropene
Concen: 9.386 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 75 Resp: 1030348

Ion	Ratio	Lower	Upper
75	100		
39	66.2	54.1	81.1
77	31.7	23.9	35.9



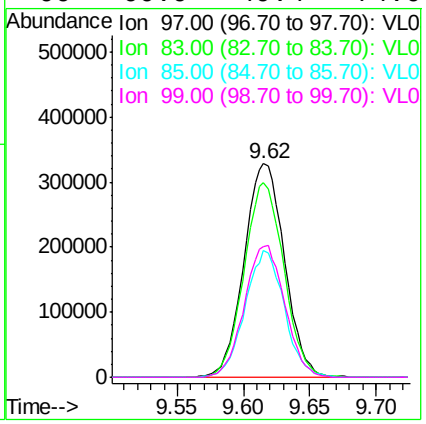


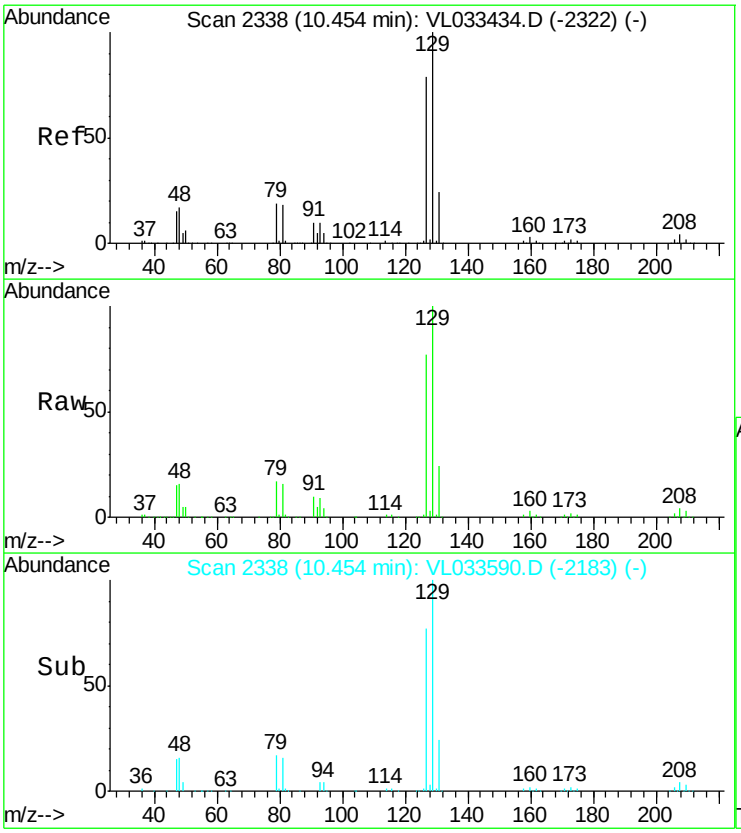
#47
1,1,2-Trichloroethane
Concen: 8.305 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 97 Resp: 696563

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.5	105.7
85	59.0	45.6	68.4
99	60.9	49.4	74.0

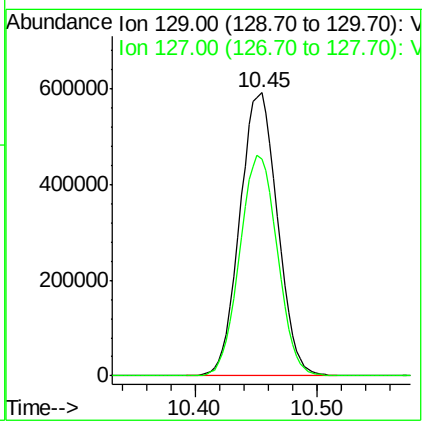


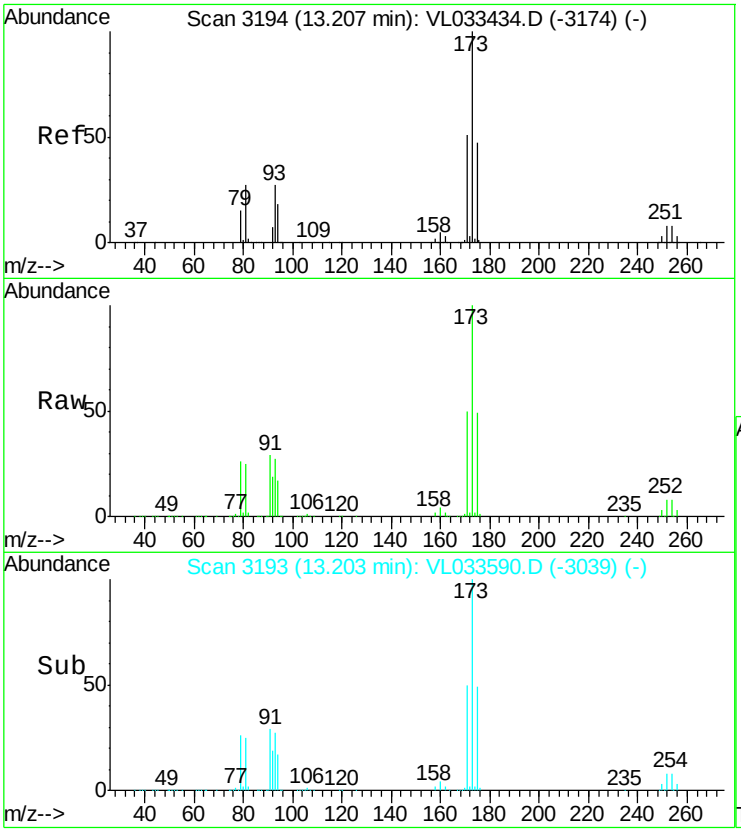


#48
Dibromochloromethane
Concen: 8.905 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:129 Resp: 1259839

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2



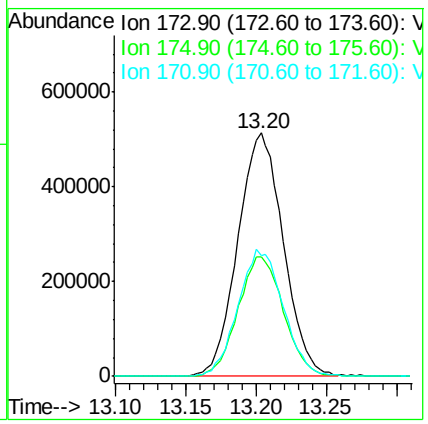


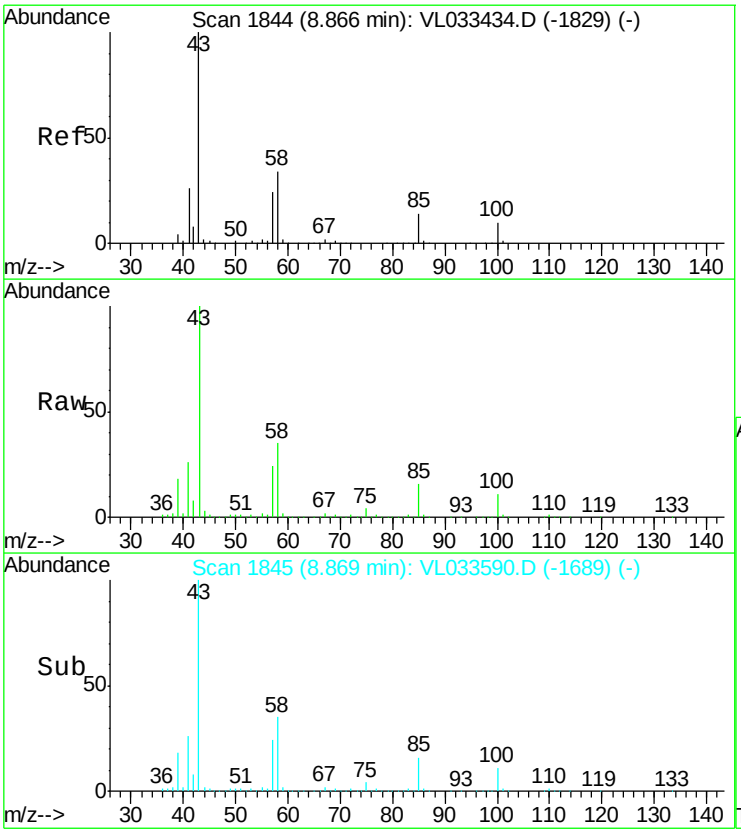
#49
Bromoform
Concen: 8.571 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:173 Resp: 1158337

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.3	58.9
171	52.0	41.2	61.8

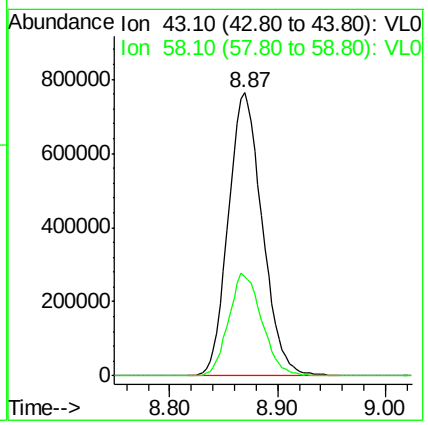


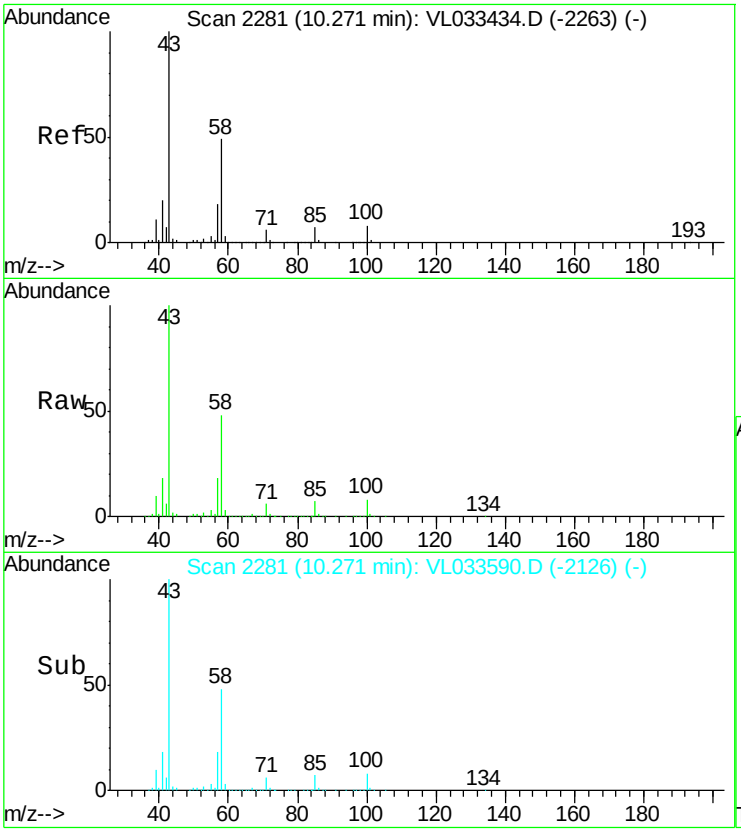


#50
4-Methyl-2-Pentanone
Concen: 8.462 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 43 Resp: 1672991

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.0	42.0



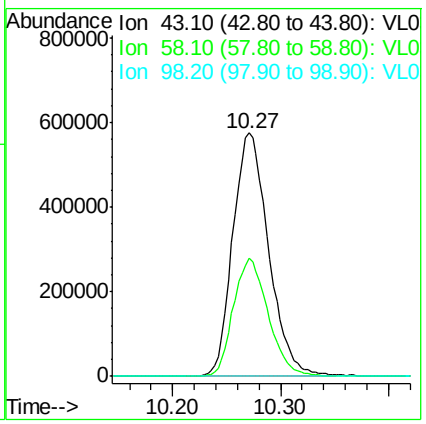


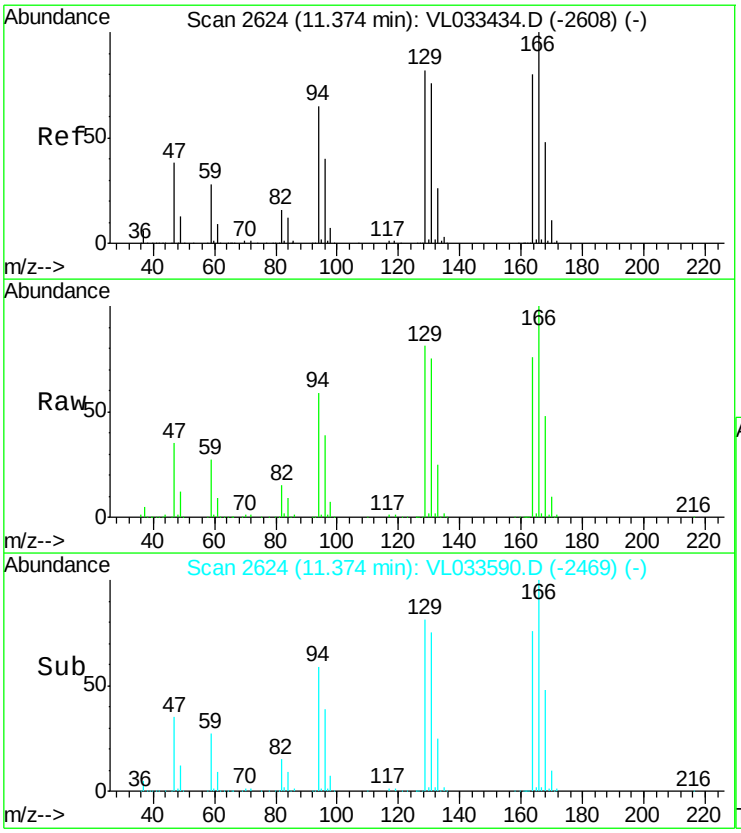
#51
2-Hexanone
Concen: 8.987 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 43 Resp: 1325364

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.2
98	0.1	0.2	0.2#

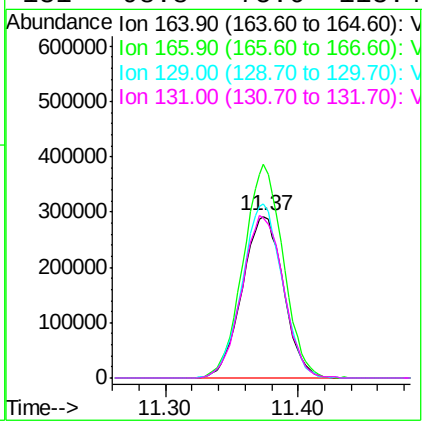


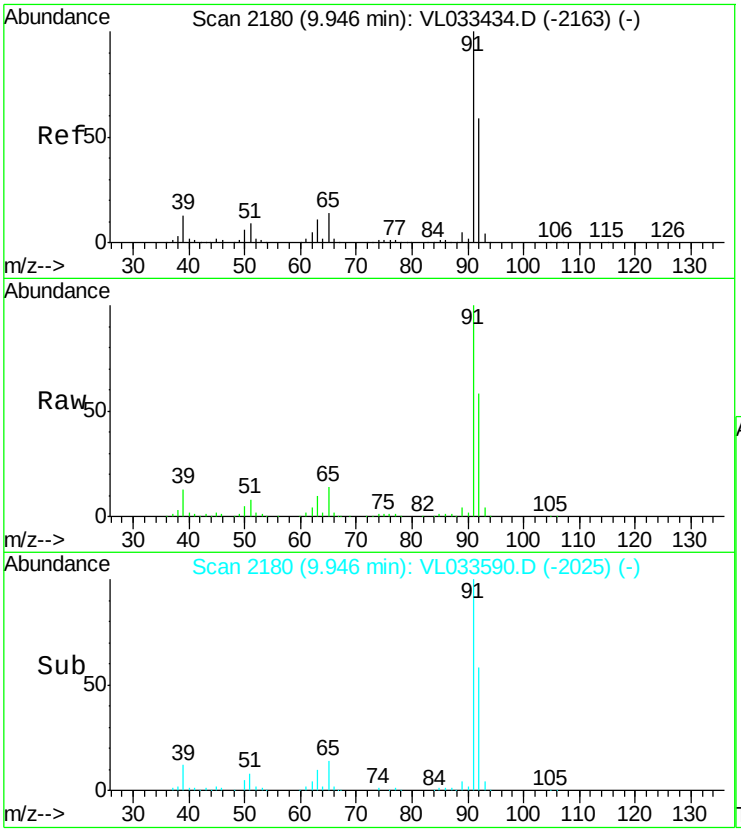


#52
Tetrachloroethene
Concen: 8.900 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:164 Resp: 633170

Ion	Ratio	Lower	Upper
164	100		
166	132.1	99.5	149.3
129	107.6	81.4	122.2
131	98.8	75.6	113.4



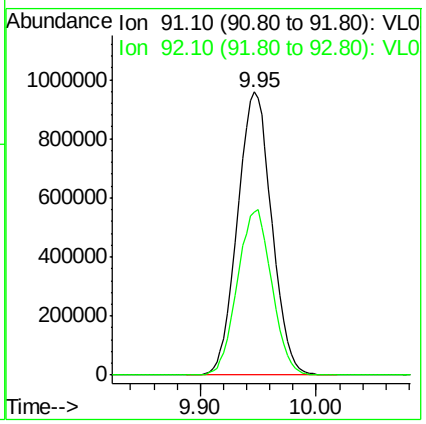


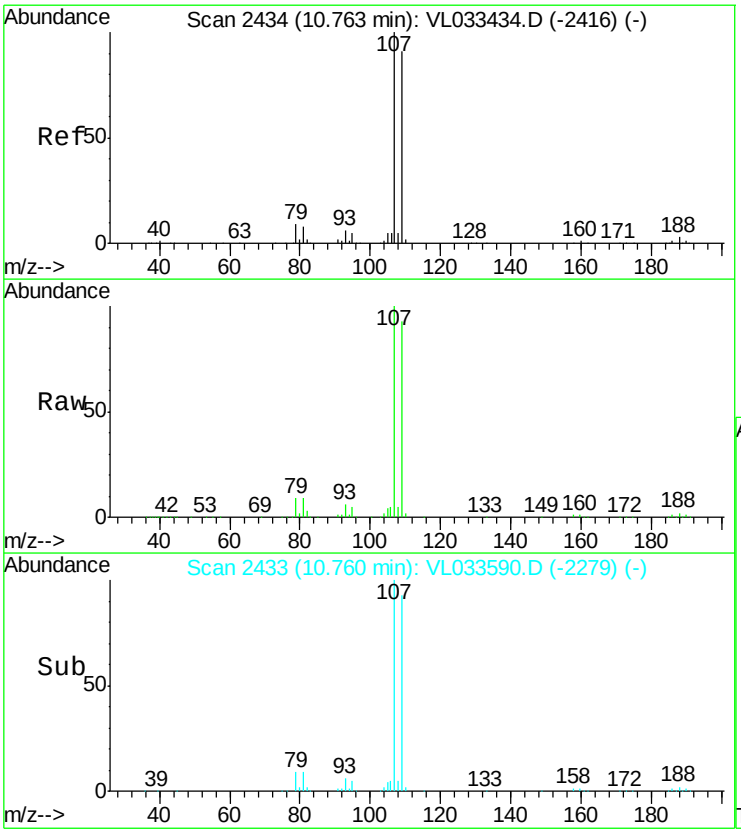
#53
Toluene
Concen: 8.950 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 91 Resp: 1961107

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0

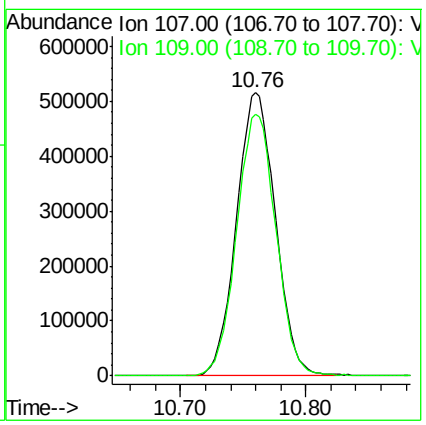


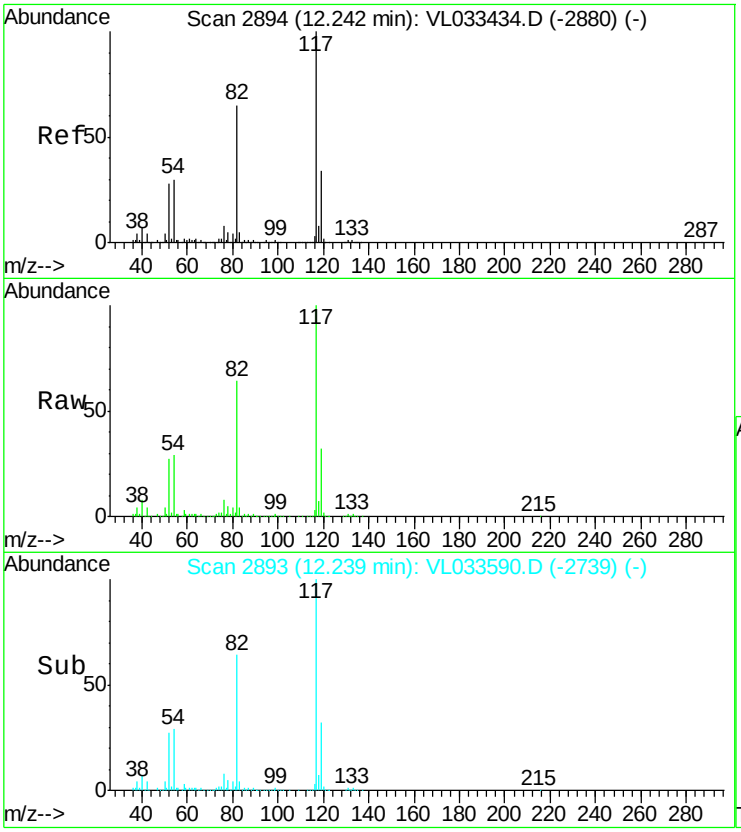


#54
1,2-Dibromoethane
Concen: 8.484 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:107 Resp: 1112981

Ion	Ratio	Lower	Upper
107	100		
109	92.6	72.7	109.1



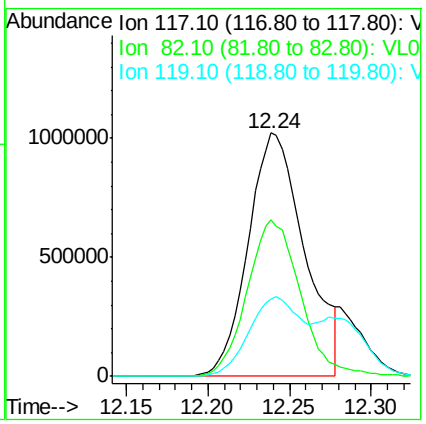


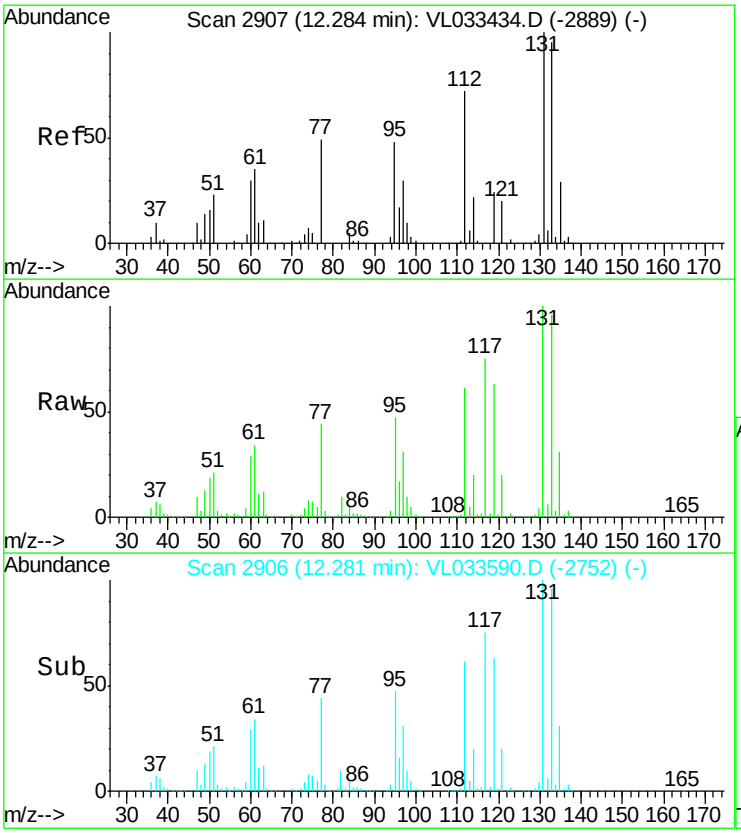
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:117 Resp: 2446600

Ion	Ratio	Lower	Upper
117	100		
82	61.0	51.5	77.3
119	51.5	25.5	38.3#

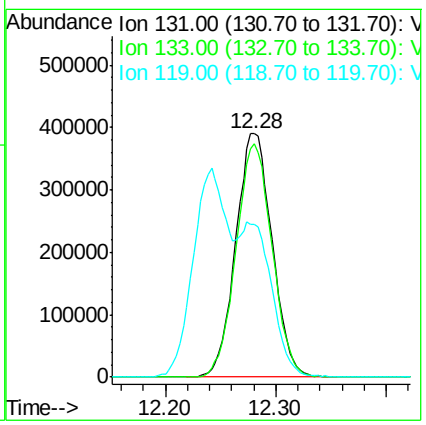


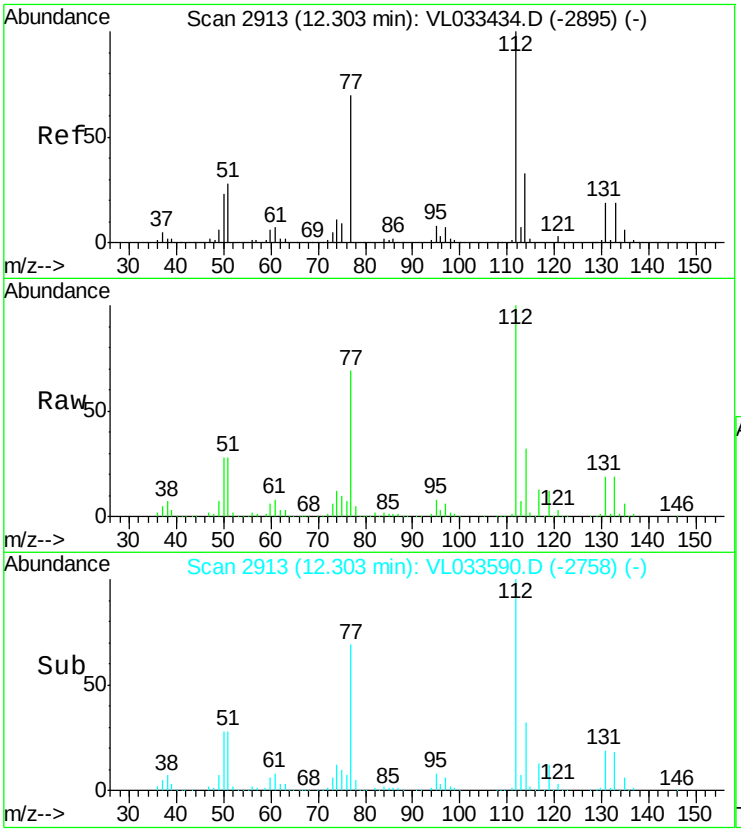


#56
1,1,1,2-Tetrachloroethane
Concen: 7.956 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:131 Resp: 892066

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.2	114.4
119	141.6	45.0	67.6#



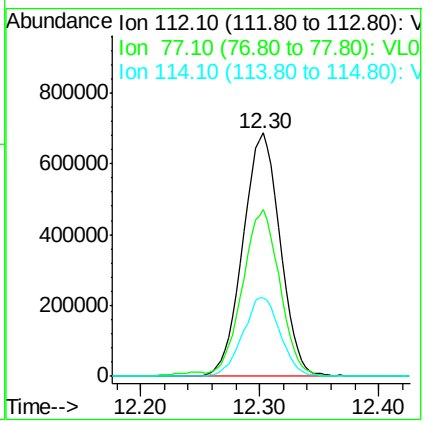


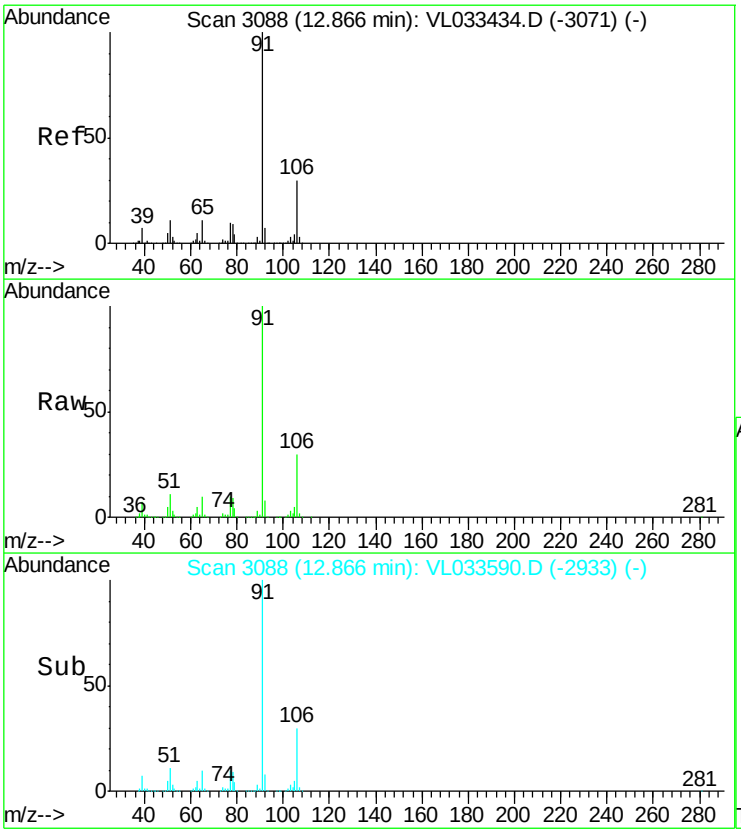
#57
Chlorobenzene
Concen: 7.841 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:112 Resp: 1489518

Ion	Ratio	Lower	Upper
112	100		
77	68.4	57.3	85.9
114	32.0	29.8	36.4

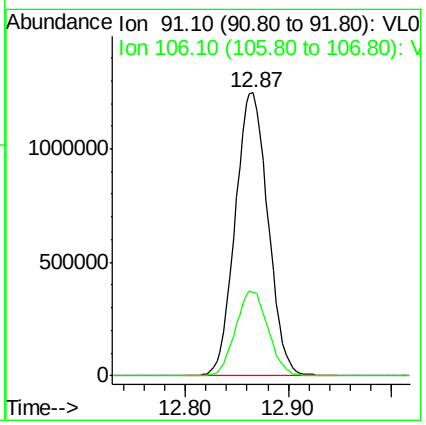


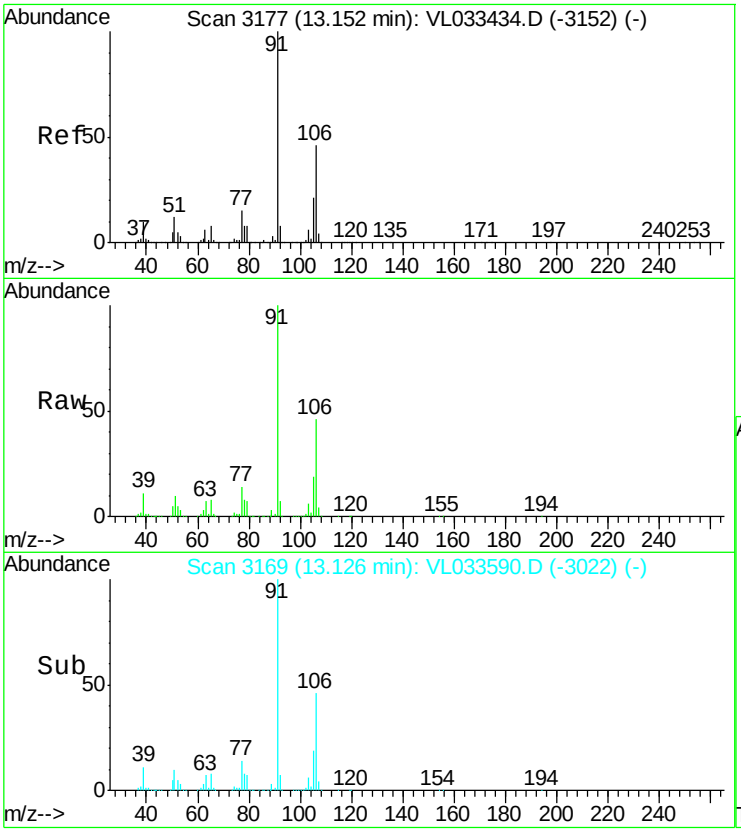


#58
Ethyl Benzene
Concen: 8.443 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 2758410

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6



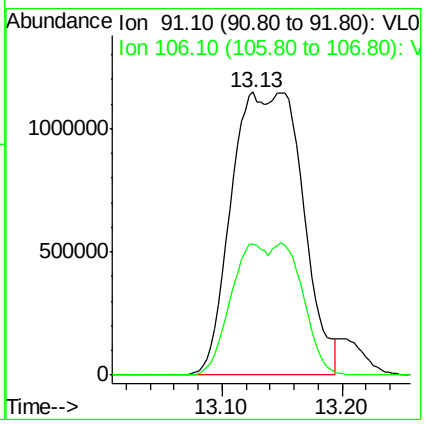


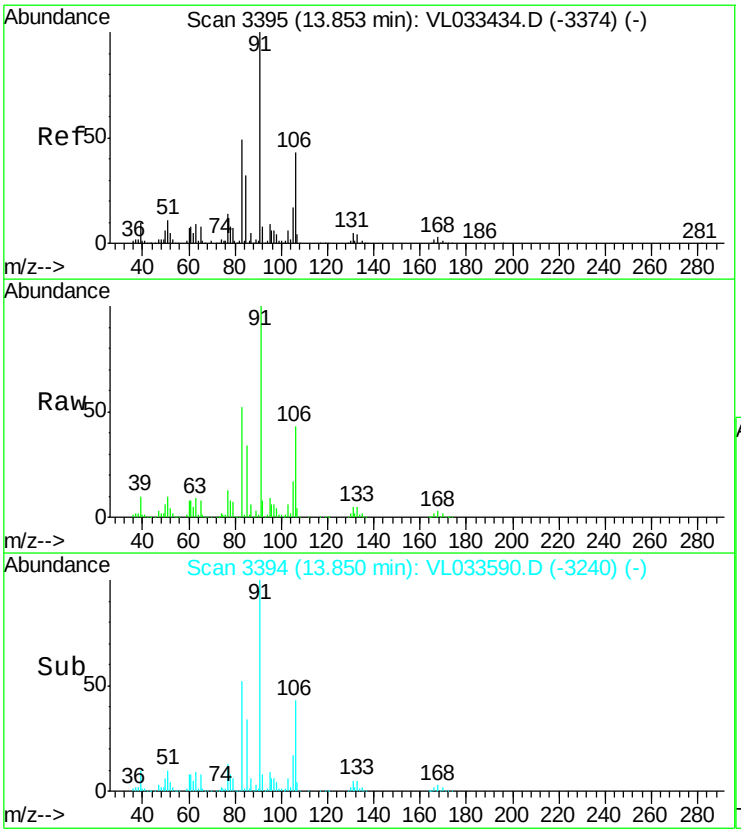
#59
m/p-Xylene
Concen: 15.951 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion: 91 Resp: 4655030

Ion	Ratio	Lower	Upper
91	100		
106	45.2	0.0	0.0#

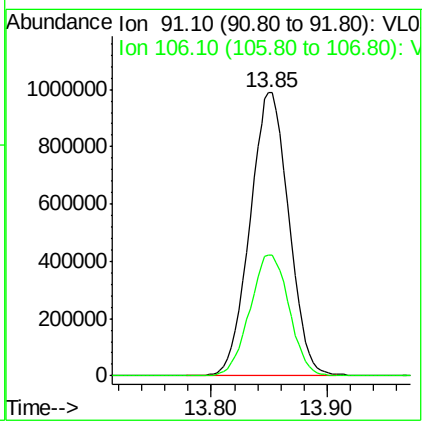


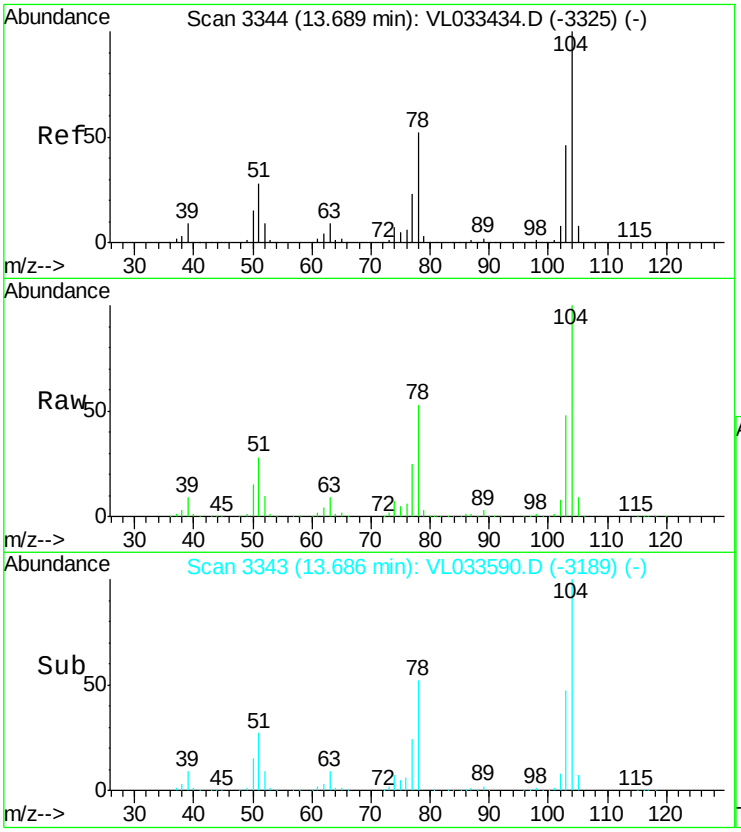


#60
o-Xylene
Concen: 8.145 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 2298664

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.4	64.3



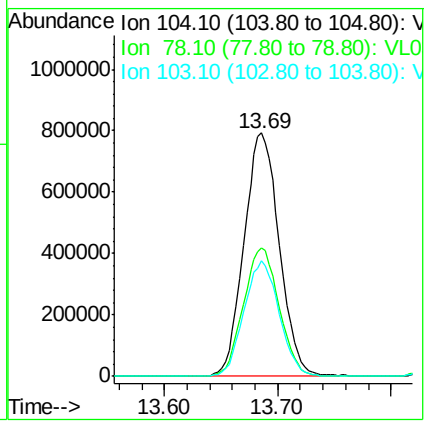


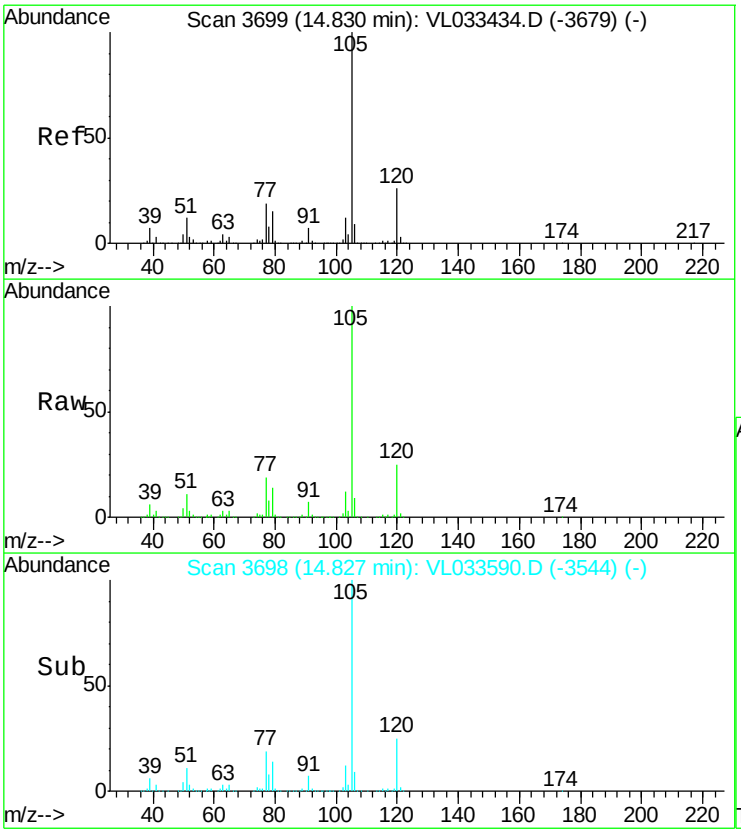
#61
Stvrene
Concen: 8.865 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:104 Resp: 1716982

Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.2	64.8
103	47.5	37.8	56.8

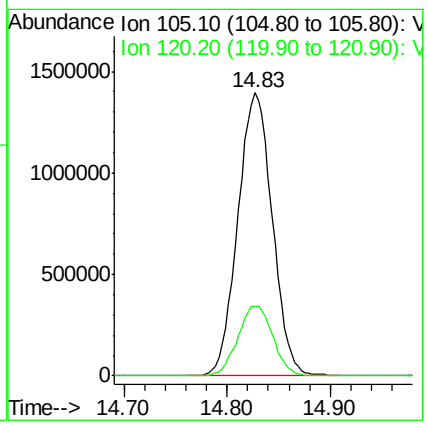


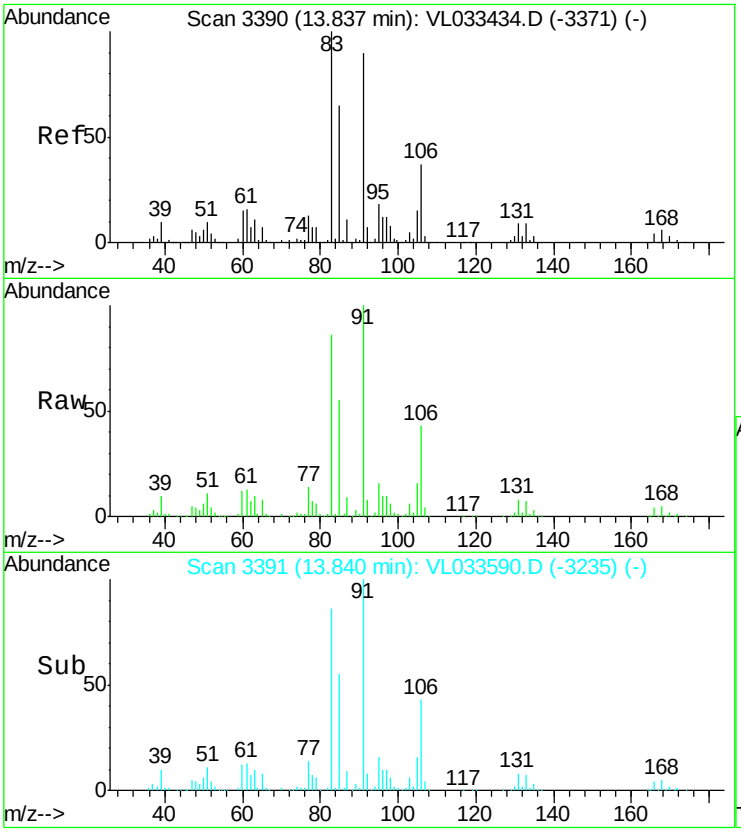


#62
Isopropylbenzene
Concen: 8.110 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 3241060

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.2	30.2



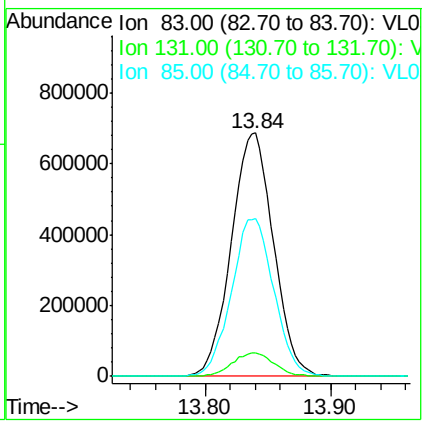


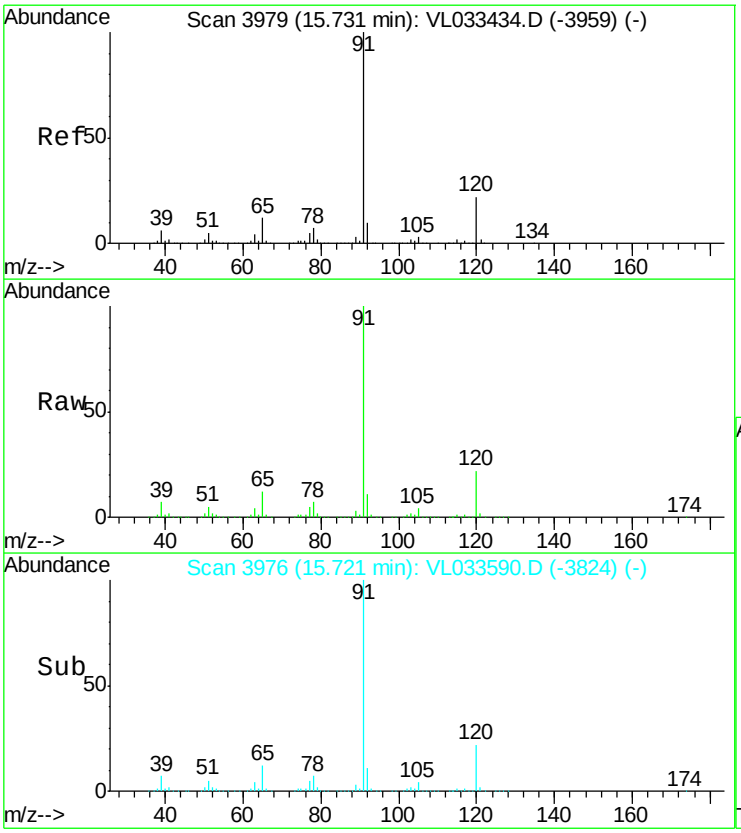
#63
1,1,2,2-Tetrachloroethane
Concen: 7.666 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 83 Resp: 1592965

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	65.5	32.7	98.1

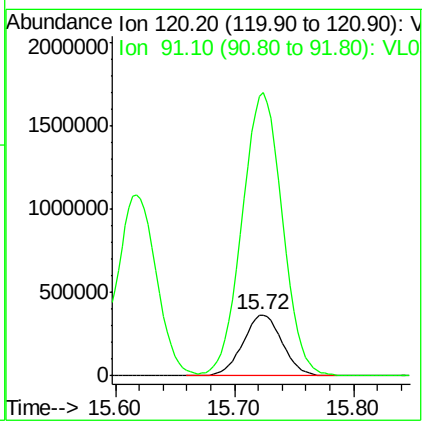


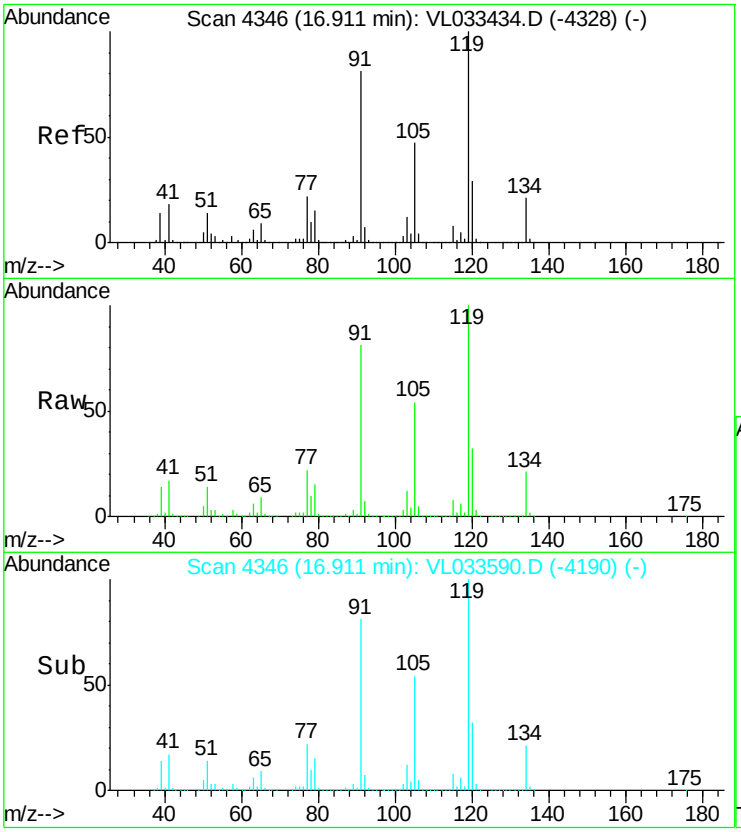


#64
n-propylbenzene
Concen: 8.269 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:120 Resp: 838479

Ion	Ratio	Lower	Upper
120	100		
91	477.0	387.4	581.2



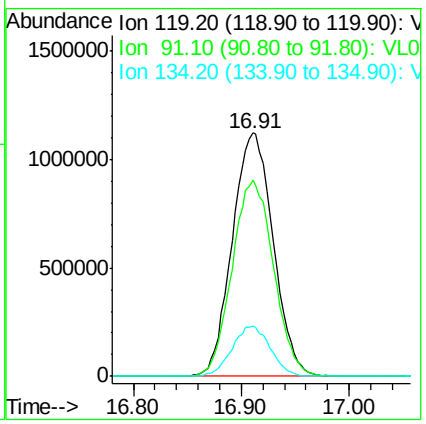


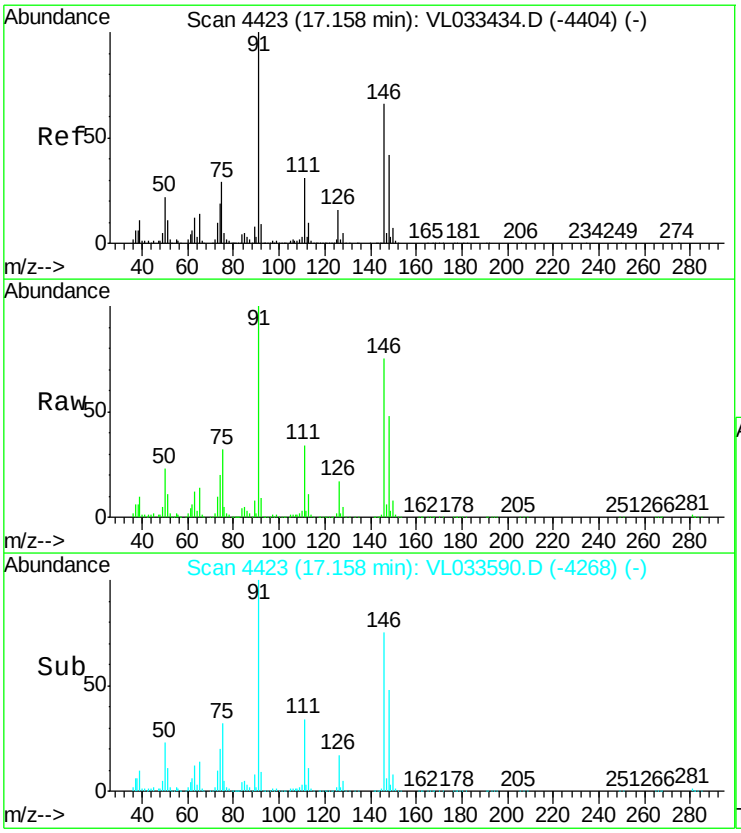
#65
tert-Butylbenzene
Concen: 8.410 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion:119 Resp: 2961548

Ion	Ratio	Lower	Upper
119	100		
91	81.7	66.4	99.6
134	19.4	15.5	23.3

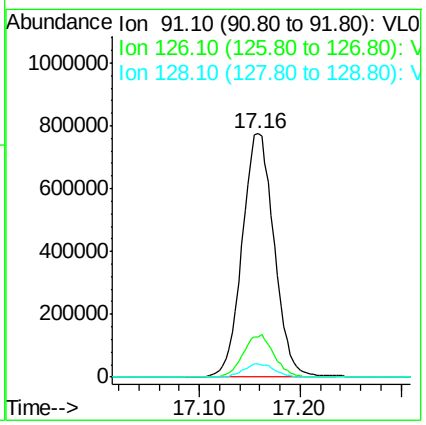


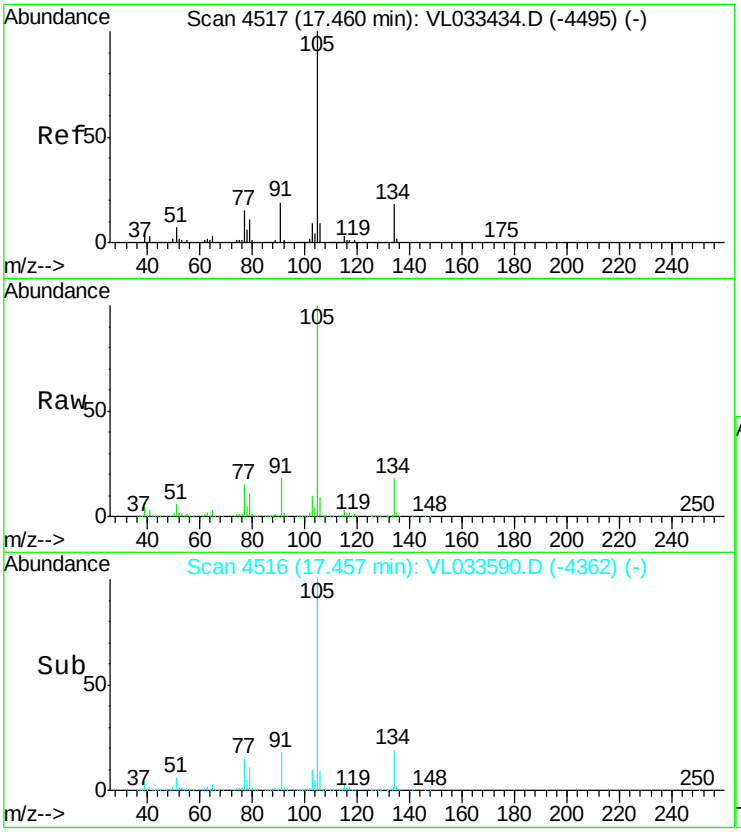


#66
Benzyl Chloride
Concen: 10.361 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 1696561

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.0	19.6
128	5.3	4.2	6.2



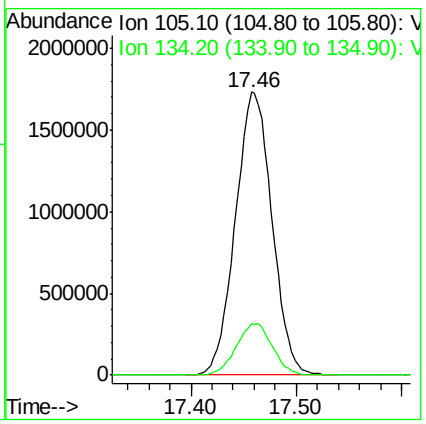


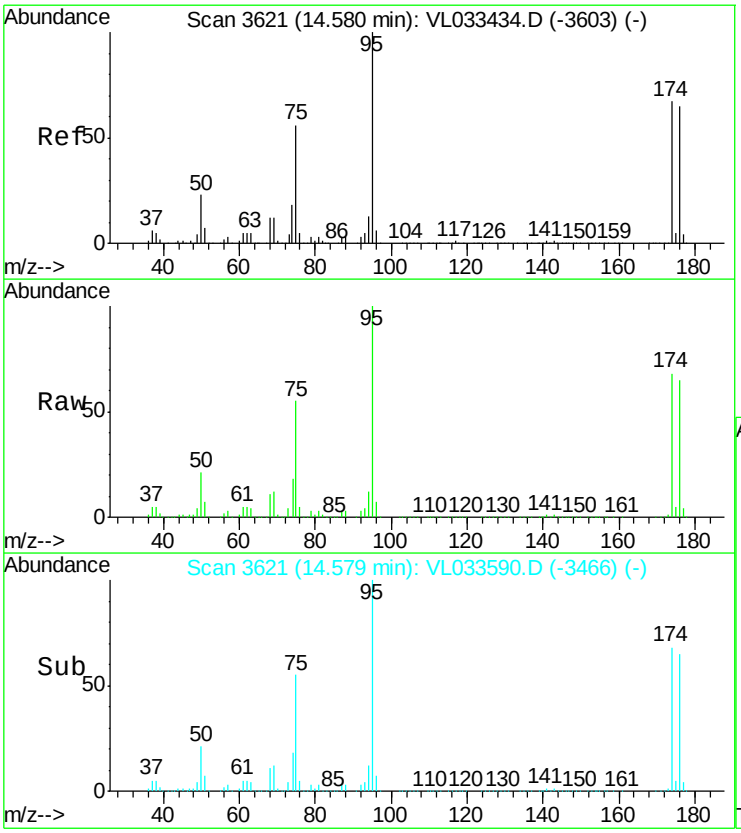
#67
sec-Butylbenzene
Concen: 8.310 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion:105 Resp: 4161742

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	21.8

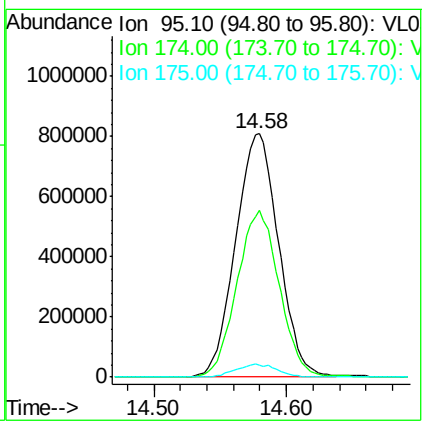


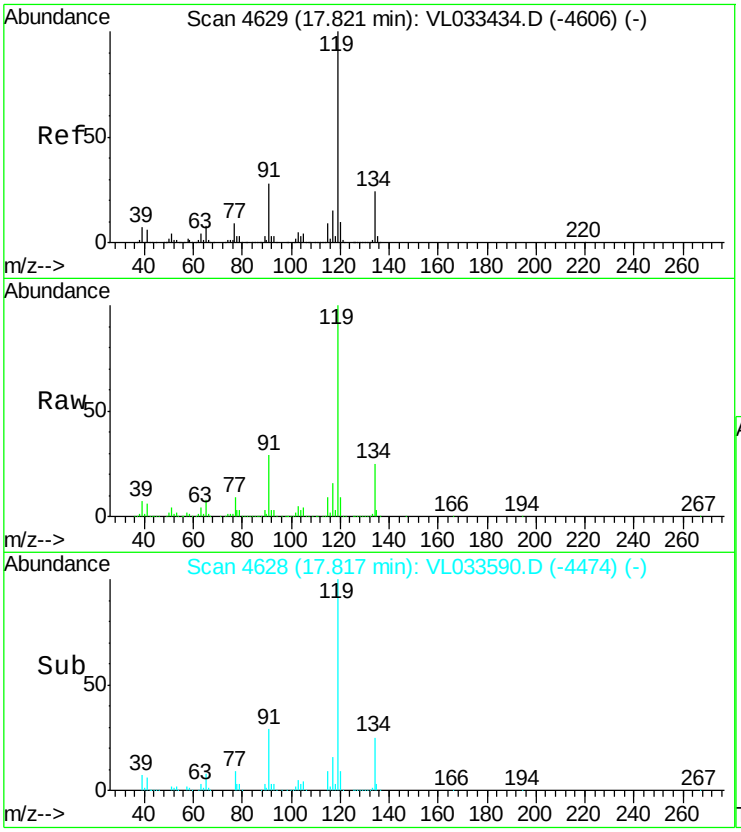


#68
1-Bromo-4-Fluorobenzene
Concen: 9.477 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 95 Resp: 1817773

Ion	Ratio	Lower	Upper
95	100		
174	68.2	52.9	79.3
175	5.1	3.8	5.6



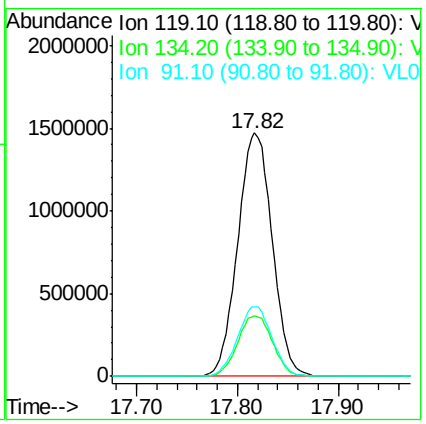


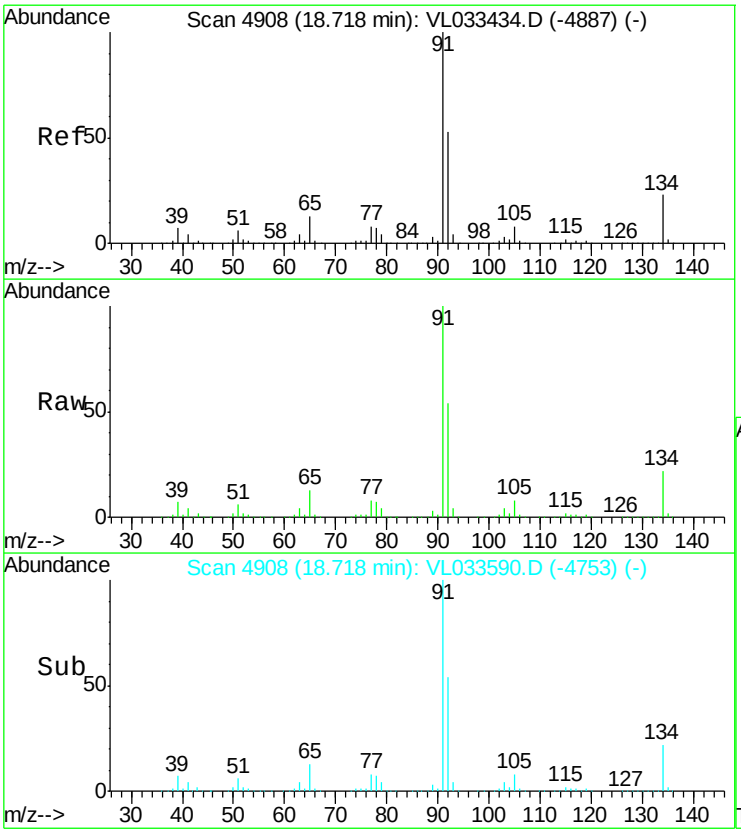
#69
p-Isopropyltoluene
Concen: 8.548 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:119 Resp: 3485444

Ion	Ratio	Lower	Upper
119	100		
134	25.3	19.9	29.9
91	28.7	23.4	35.0

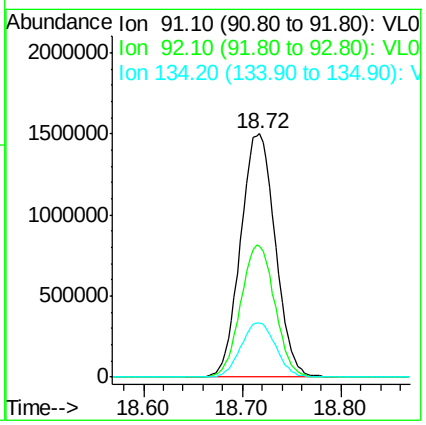


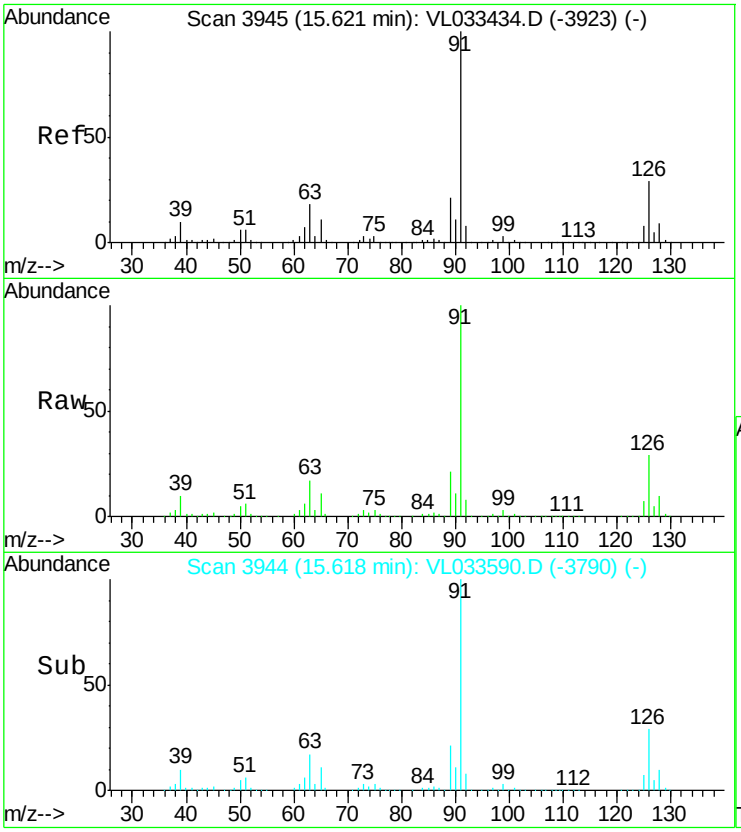


#70
n-Butylbenzene
Concen: 8.420 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion: 91 Resp: 3637881

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	64.0
134	22.3	17.5	26.3



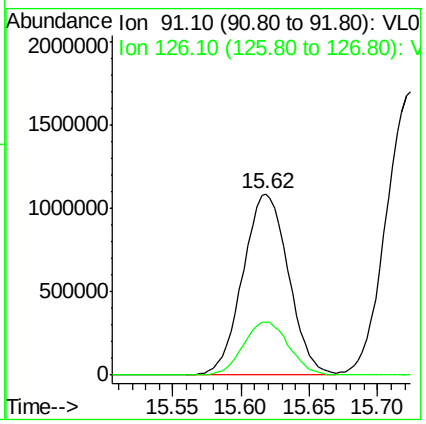


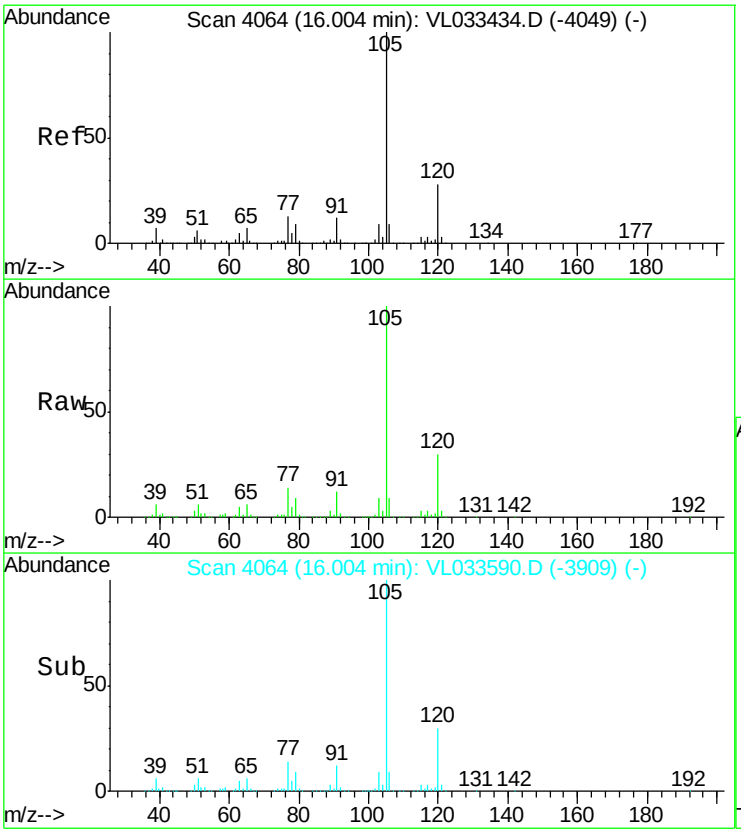
#71
2-Chlorotoluene
Concen: 8.297 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion: 91 Resp: 2521316

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.7	46.9

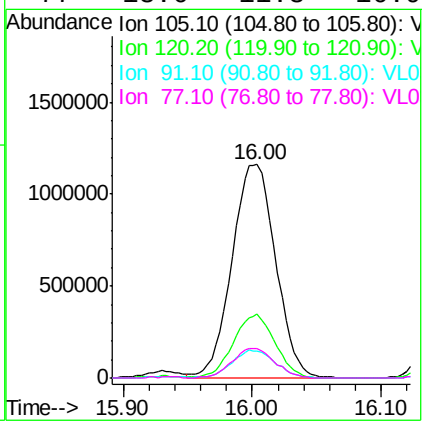


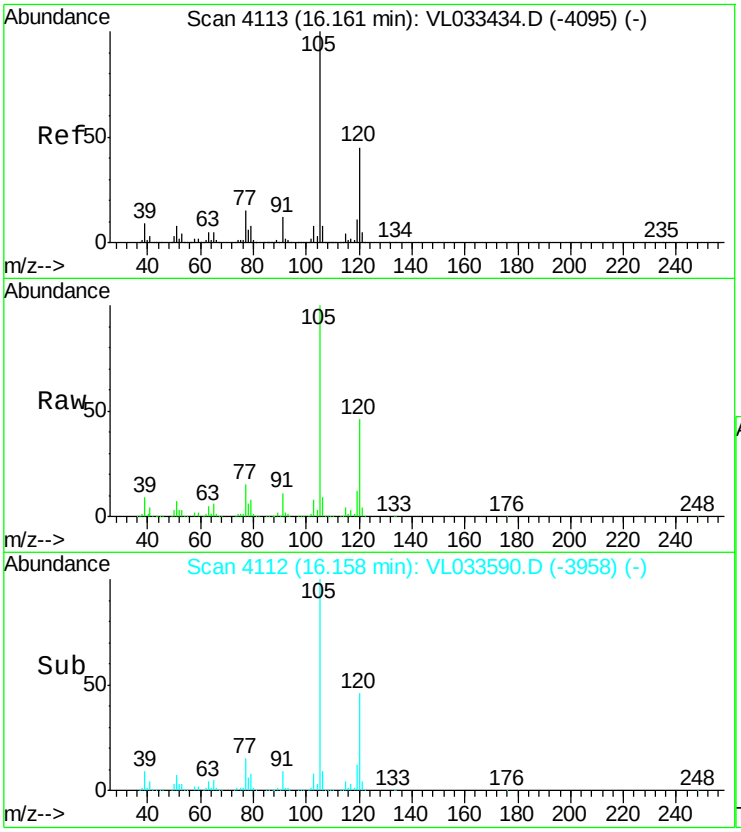


#72
4-Ethyltoluene
Concen: 8.598 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 2727345

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.2	34.8
91	13.2	10.4	15.6
77	13.6	11.3	16.9



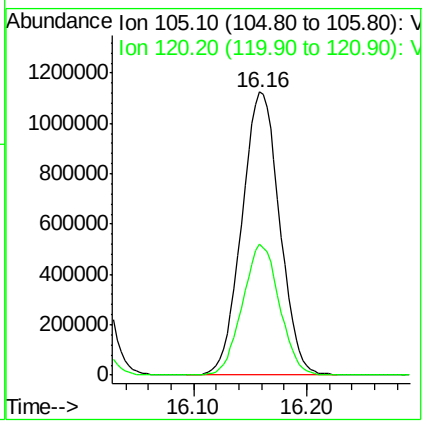


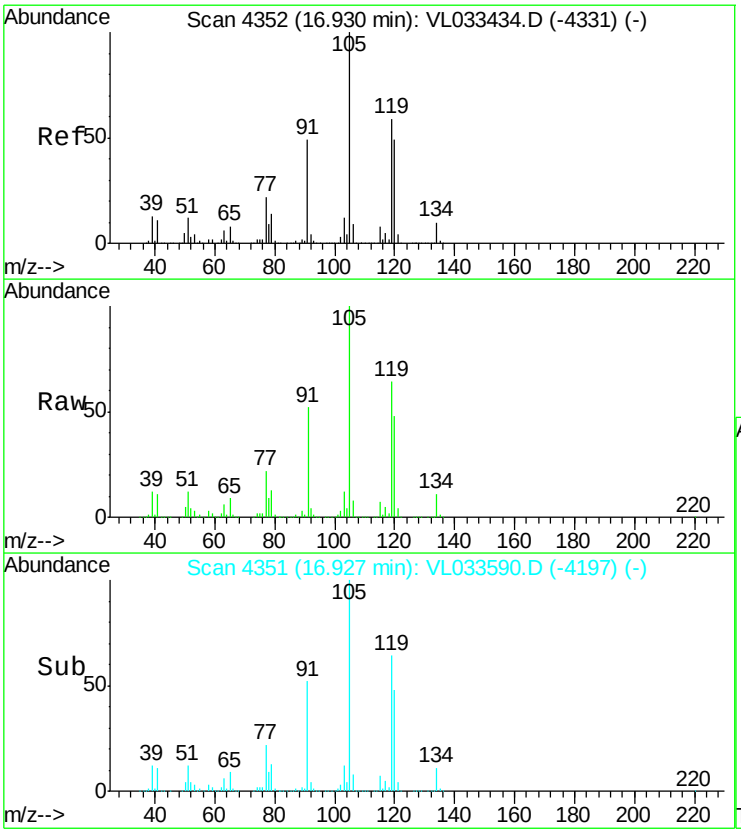
#73
1,3,5-Trimethylbenzene
Concen: 8.555 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument : MSVOA_L
ClientSampleId : VL0416ABSD01

Tgt Ion:105 Resp: 2596988

Ion	Ratio	Lower	Upper
105	100		
120	46.4	35.7	53.5

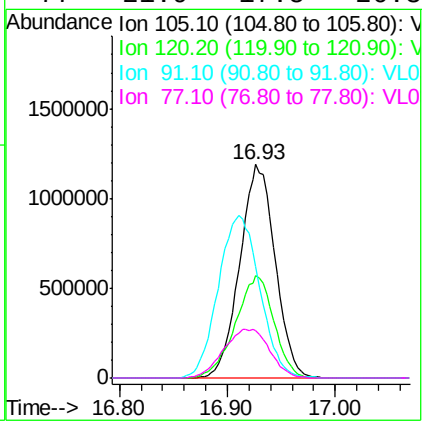


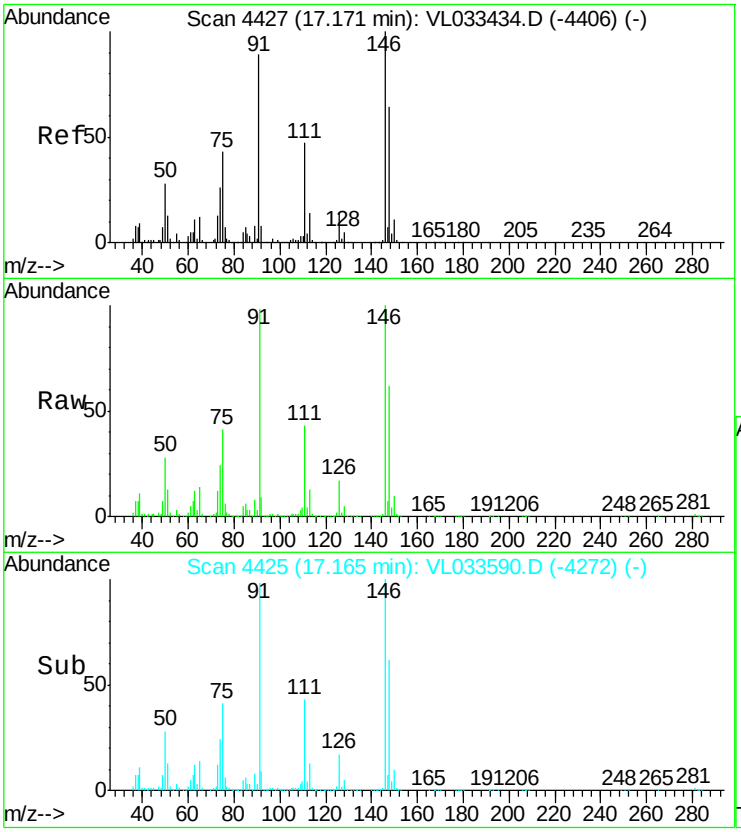


#74
1,2,4-Trimethylbenzene
Concen: 8.324 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:105 Resp: 2708313

Ion	Ratio	Lower	Upper
105	100		
120	48.0	39.0	58.6
91	51.8	40.0	60.0
77	21.9	17.5	26.3



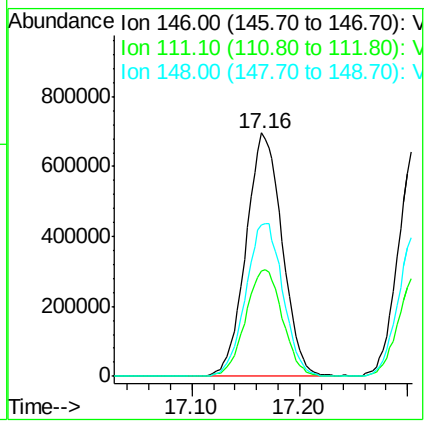


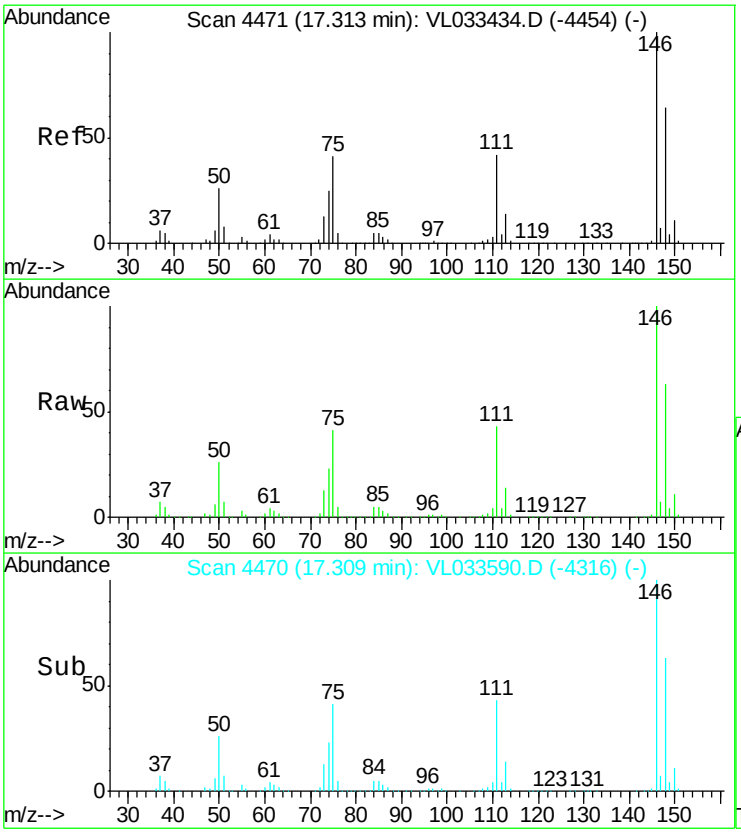
#75
1,3-Dichlorobenzene
Concen: 8.044 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:146 Resp: 1617717

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.9	68.8
148	64.5	32.0	96.2

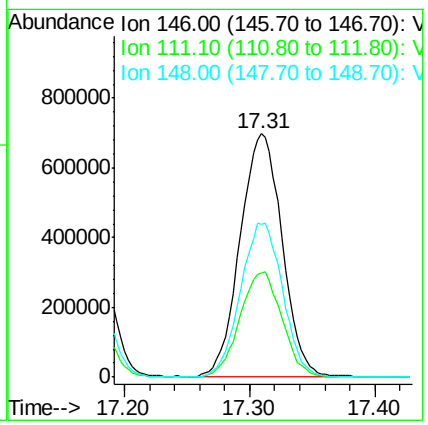


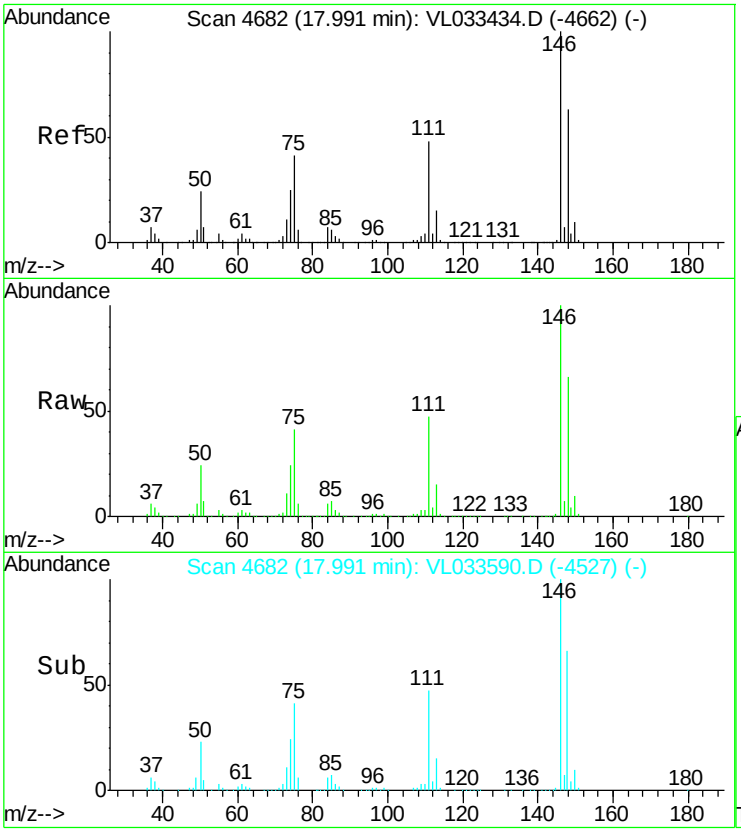


#76
1,4-Dichlorobenzene
Concen: 8.256 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:146 Resp: 1617639

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.7	65.1
148	64.0	32.0	96.2



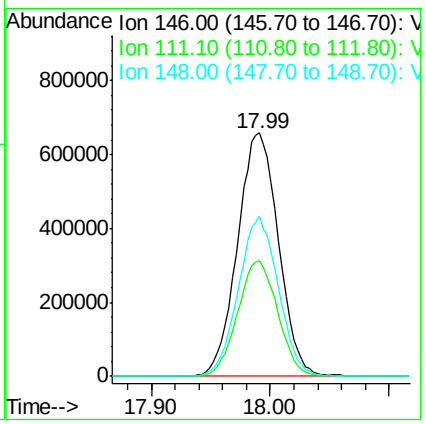


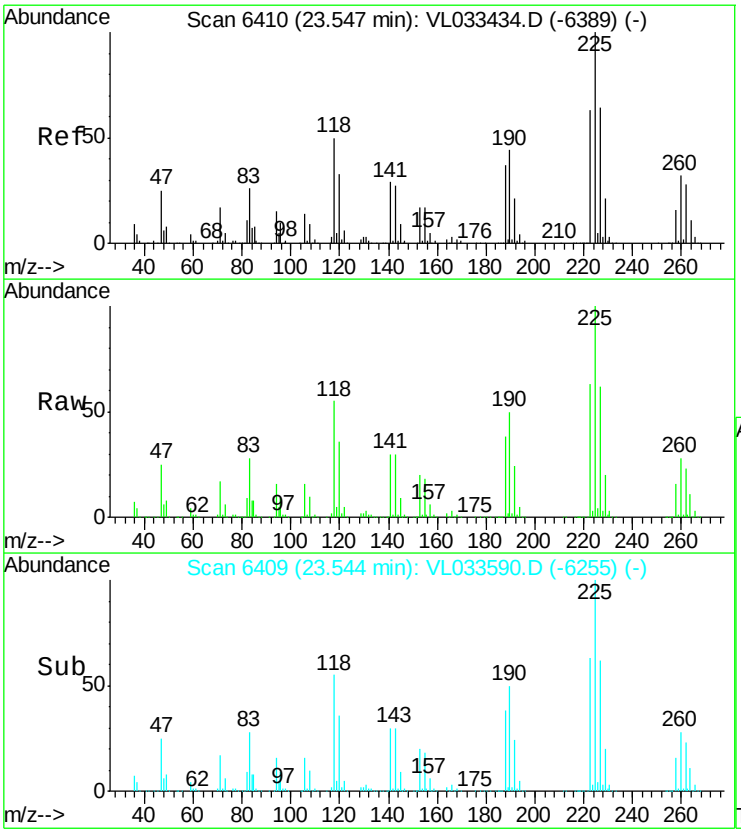
#77
1,2-Dichlorobenzene
Concen: 8.191 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:146 Resp: 1562929

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	64.3	32.0	96.0

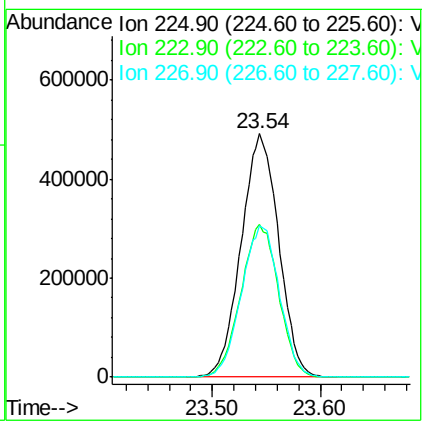


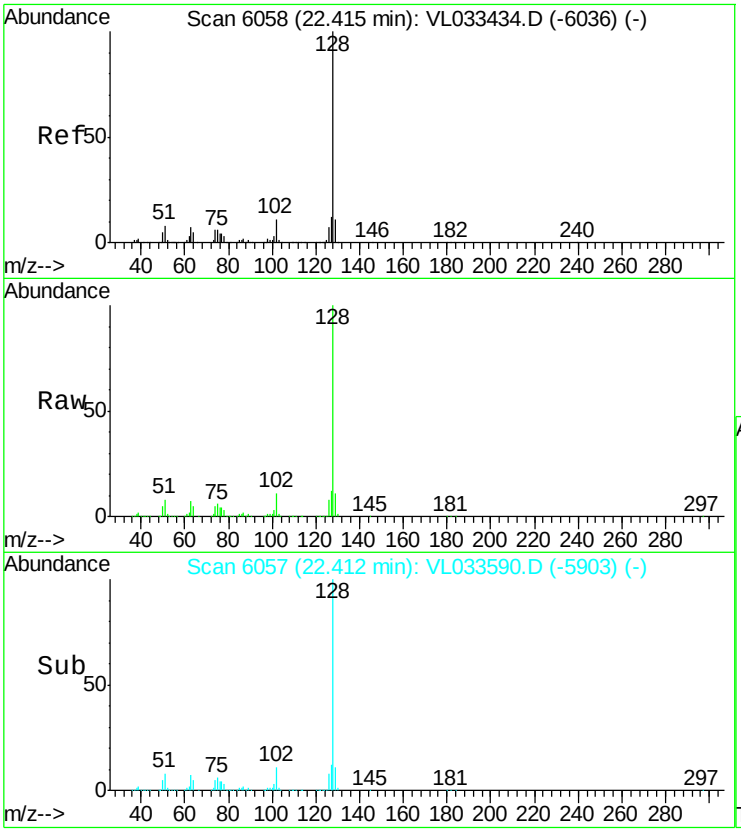


#78
Hexachloro-1,3-Butadiene
Concen: 9.379 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:225 Resp: 1184648

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.0	75.0
227	63.1	51.1	76.7



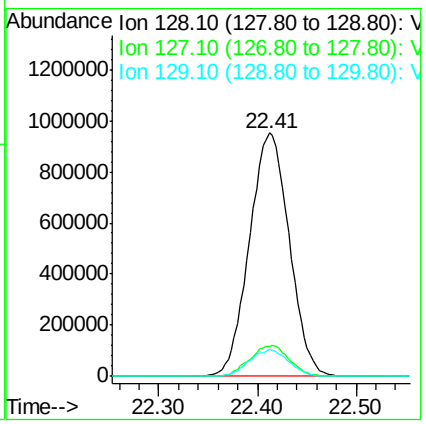


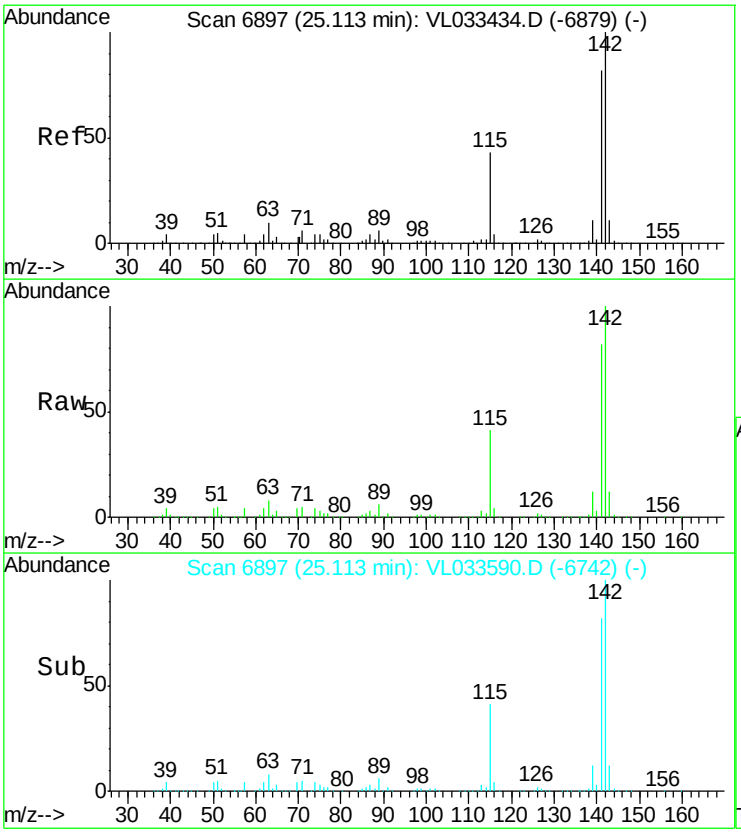
#79
Naphthalene
Concen: 9.530 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:128 Resp: 2654251

Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	11.0	8.6	12.8

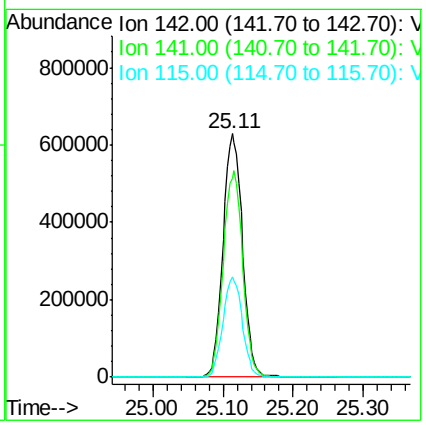


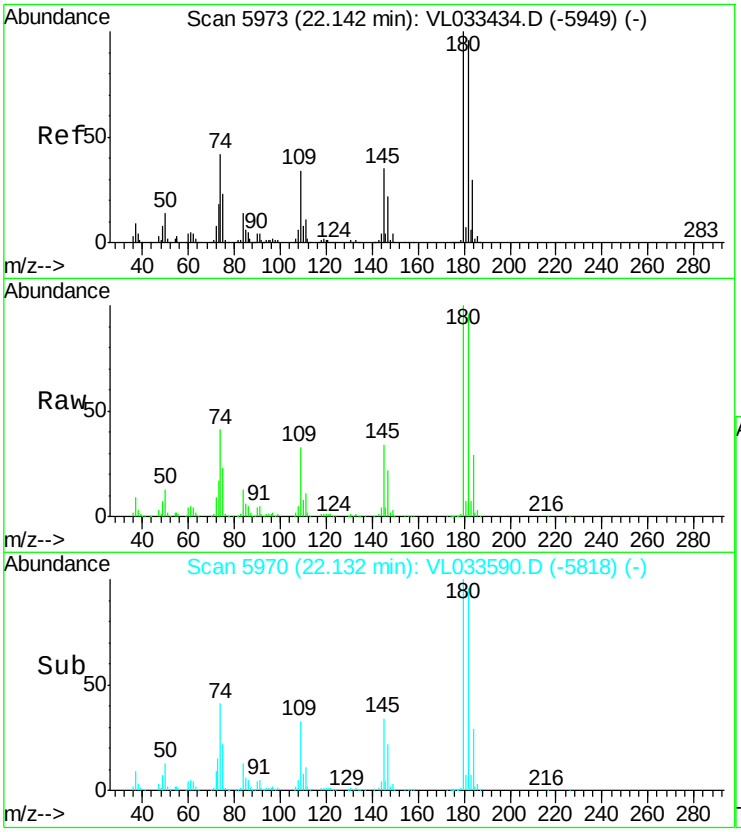


#80
Naphthalene,2-methyl-
Concen: 13.038 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Tgt Ion:142 Resp: 1218667

Ion	Ratio	Lower	Upper
142	100		
141	84.8	66.6	99.8
115	41.0	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 8.913 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL033590.D
Acq: 16 Apr 2019 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL0416ABSD01

Tgt Ion:180 Resp: 1377006

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.5	24.6	36.8