Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032849.D
Acq On : 30 Nov 2018 15:08
Operator : SY/AP
Sample : VL1130ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Quant Time: Dec 01 02:22:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1367064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3553895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4392445	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2665525	8.11	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	973810	4.956	ppbv	99
3) Chlorodifluoromethane	3.02	51	1039495	9.591	ppbv	99
4) Chloromethane	3.17	50	543935	9.051	ppbv	99
5) Vinyl Chloride	3.30	62	577444	9.068	ppbv	98
6) Bromomethane	3.52	94	382617	9.822	ppbv	91
7) Chloroethane	3.61	64	218553	9.522	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1448703	9.355	ppbv	98
9) Propene	3.04	41	405249	9.343	ppbv	100
10) Heptane	8.25	43	1706810	10.308	ppbv	100
11) Trichlorofluoromethane	4.01	101	1803418	9.738	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1743024	11.523	ppbv	97
13) Ethanol	3.66	45	110377	7.770	ppbv	99
14) Bromoethene	3.80	108	502107	10.005	ppbv	99
15) Acetone	3.91	43	1067696	8.552	ppbv	100
16) 1,3-Butadiene	3.37	39	500613	10.355	ppbv	99
17) tert-Butyl alcohol	4.37	59	430181	10.987	ppbv	100
18) 1,1-Dichloroethene	4.36	96	706116	9.493	ppbv	97
19) Isopropyl Alcohol	4.03	45	1108256	13.326	ppbv	100
20) Methylene Chloride	4.42	84	689292	10.665	ppbv	95
21) Allyl Chloride	4.49	41	1241685	11.835	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	798398	10.992	ppbv	96
23) Vinyl Acetate	5.16	43	2314229	10.169	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1918243	10.602	ppbv	100
25) Ethyl Acetate	5.78	43	2866622	9.852	ppbv	100
26) Hexane	5.79	57	1342322	10.363	ppbv	99
27) Carbon Disulfide	4.63	76	1980092	12.056	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2355544	11.404	ppbv	99
29) Chloroform	5.86	83	2272764	9.845	ppbv	98
30) Cyclohexane	7.26	84	1207733	10.661	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1389074	10.667	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2492193	9.849	ppbv	99
34) 2-Butanone	5.34	43	1814505	9.844	ppbv	100
35) Carbon Tetrachloride	7.14	117	2703792	9.464	ppbv	99
36) Benzene	7.02	78	2819891	9.964	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1879124	9.864	ppbv	100
38) Trichloroethene	7.97	130	1206221	10.532	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1049265	9.731	ppbv	99
40) 1,4-Dioxane	7.96	88	391360	10.162	ppbv #	1
41) Tetrahydrofuran	6.16	42	1095850	10.364	ppbv	99
42) Bromodichloromethane	7.93	83	2596203	10.053	ppbv	100
43) Methyl Methacrylate	8.15	69	1128067	10.677	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032849.D
Acq On : 30 Nov 2018 15:08
Operator : SY/AP
Sample : VL1130ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Quant Time: Dec 01 02:22:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4781111	10.110	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	1584309	11.175	ppbv		98
46) cis-1,3-Dichloropropene	8.85	75	1820336	10.628	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1288290	10.104	ppbv		97
48) Dibromochloromethane	10.46	129	2272278	10.486	ppbv		100
49) Bromoform	13.22	173	1989938	11.119	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	2921925	10.149	ppbv		100
51) 2-Hexanone	10.28	43	2074272	11.183	ppbv		99
52) Tetrachloroethene	11.39	164	1055823	10.725	ppbv		98
53) Toluene	9.96	91	3594039	12.173	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1931539	10.717	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1632335	7.968	ppbv		98
57) Chlorobenzene	12.31	112	2644308	7.864	ppbv		98
58) Ethyl Benzene	12.88	91	4607935	8.717	ppbv		99
59) m/p-Xylene	13.14	91	3513956	7.467	ppbv	#	15
60) o-Xylene	13.86	91	3804893	8.041	ppbv		100
61) Styrene	13.70	104	2811120	9.126	ppbv		99
62) Isopropylbenzene	14.84	105	5431029	8.492	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2625760	7.119	ppbv		99
64) n-propylbenzene	15.73	120	1376029	8.180	ppbv		98
65) tert-Butylbenzene	16.92	119	4847538	8.455	ppbv		99
66) Benzyl Chloride	17.17	91	2704384	8.532	ppbv		100
67) sec-Butylbenzene	17.47	105	6687507	8.094	ppbv		99
69) p-Isopropyltoluene	17.83	119	5494555	8.363	ppbv		99
70) n-Butylbenzene	18.73	91	5403917	8.101	ppbv		99
71) 2-Chlorotoluene	15.63	91	3997986	8.382	ppbv		99
72) 4-Ethyltoluene	16.01	105	4339096	8.366	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	4167359	8.218	ppbv		99
74) 1,2,4-Trimethylbenzene	16.94	105	4273235	7.875	ppbv		97
75) 1,3-Dichlorobenzene	17.18	146	2395295	7.696	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2334393	8.029	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	2318358	8.051	ppbv		99
78) Hexachloro-1,3-Butadiene	23.56	225	929811	5.983	ppbv		100
79) Naphthalene	22.43	128	3115183	8.739	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	766662	8.587	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1593794	8.903	ppbv		100

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

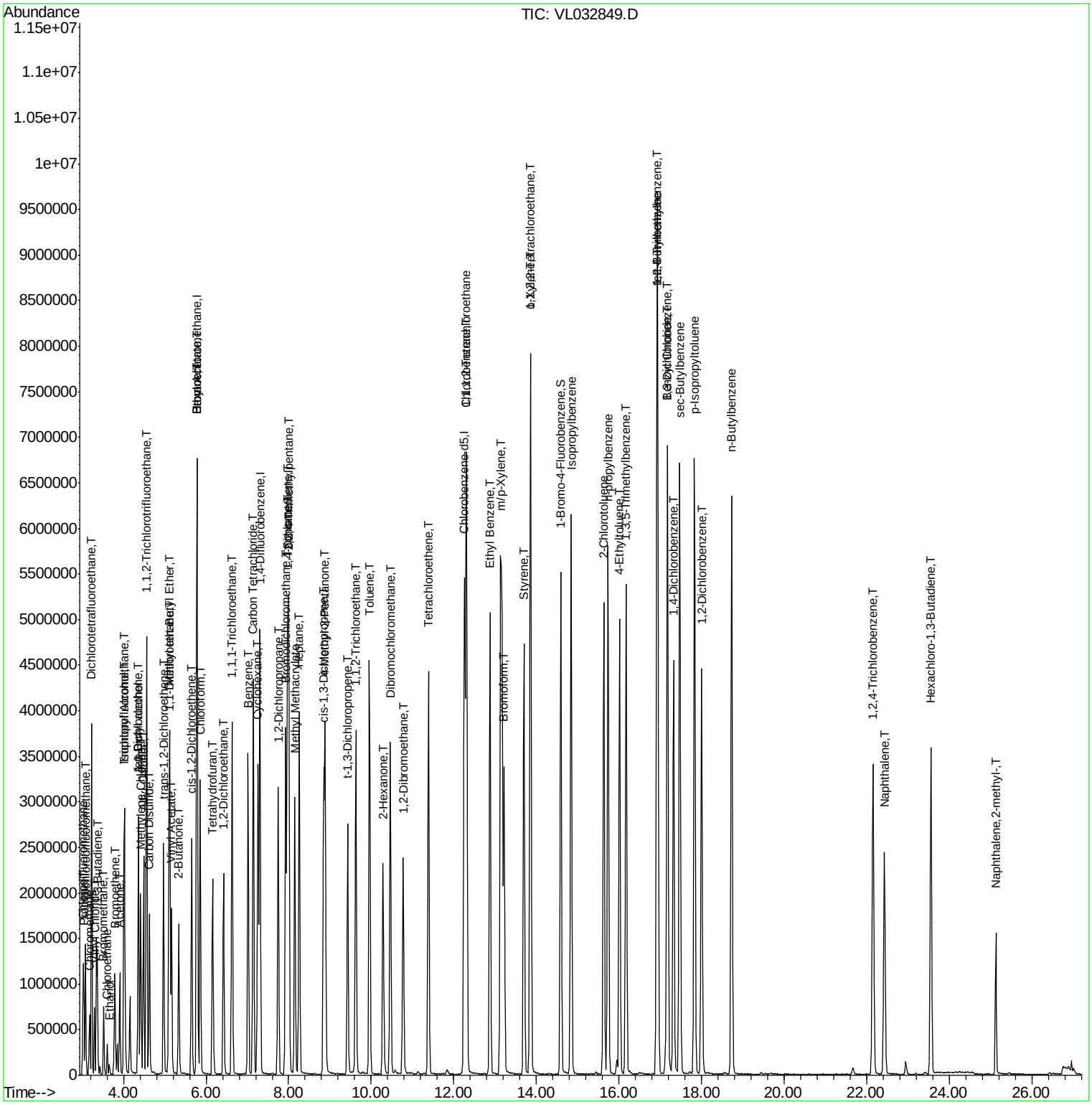
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

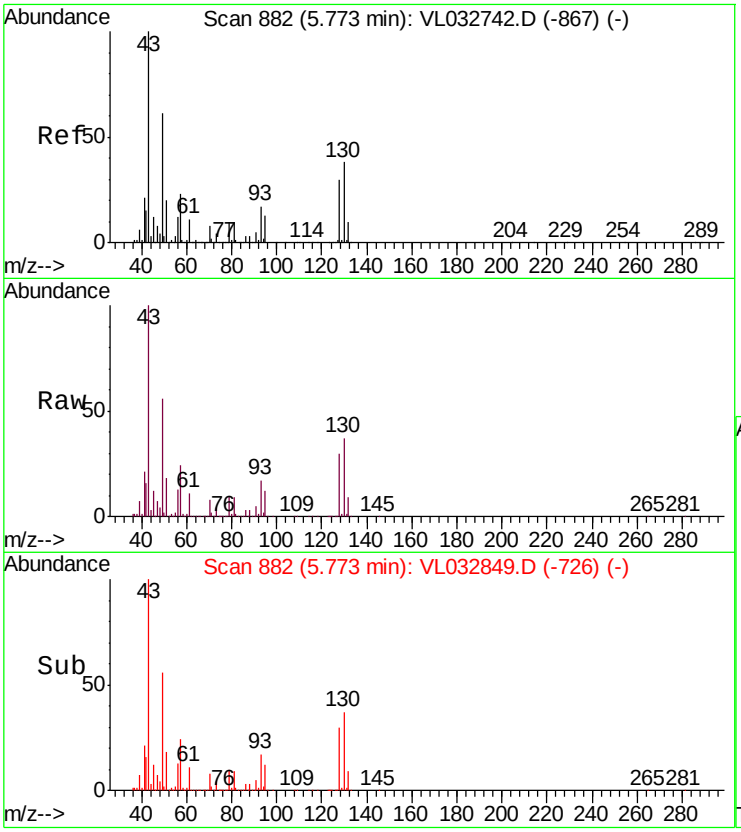
Quantitation Report (Not Reviewed)

Data File : VL032849.D
Acq On : 30 Nov 2018 15:08
Operator : SY/AP
Sample : VL1130ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Quant Time: Dec 01 02:22:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



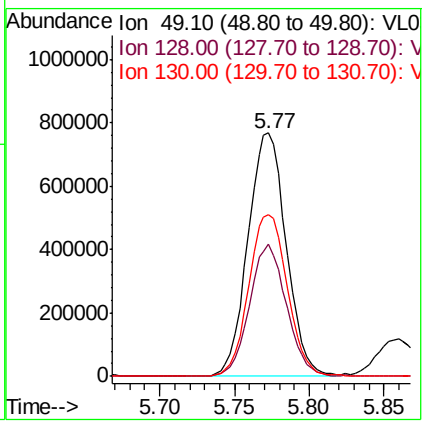


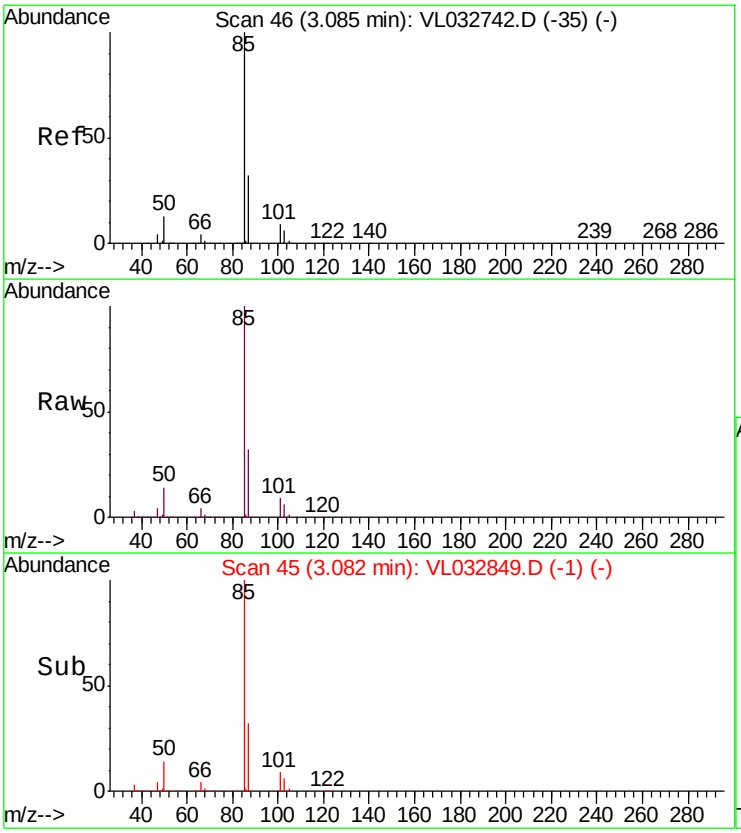
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 49 Resp: 1367064

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.9	74.6
130	67.4	31.4	94.2

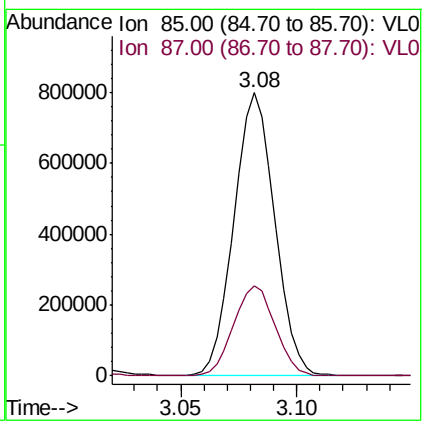


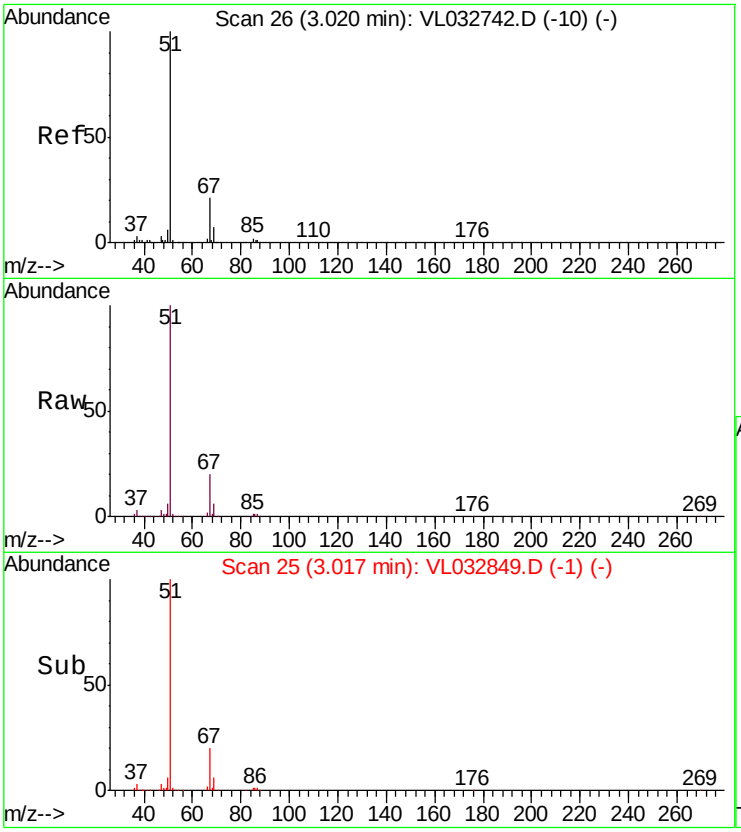


#2
Dichlorodifluoromethane
Concen: 4.956 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 85 Resp: 973810

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.0	39.0



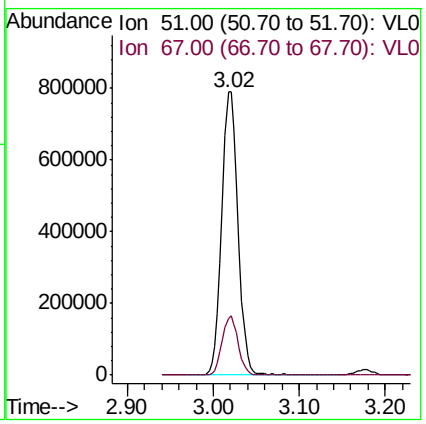


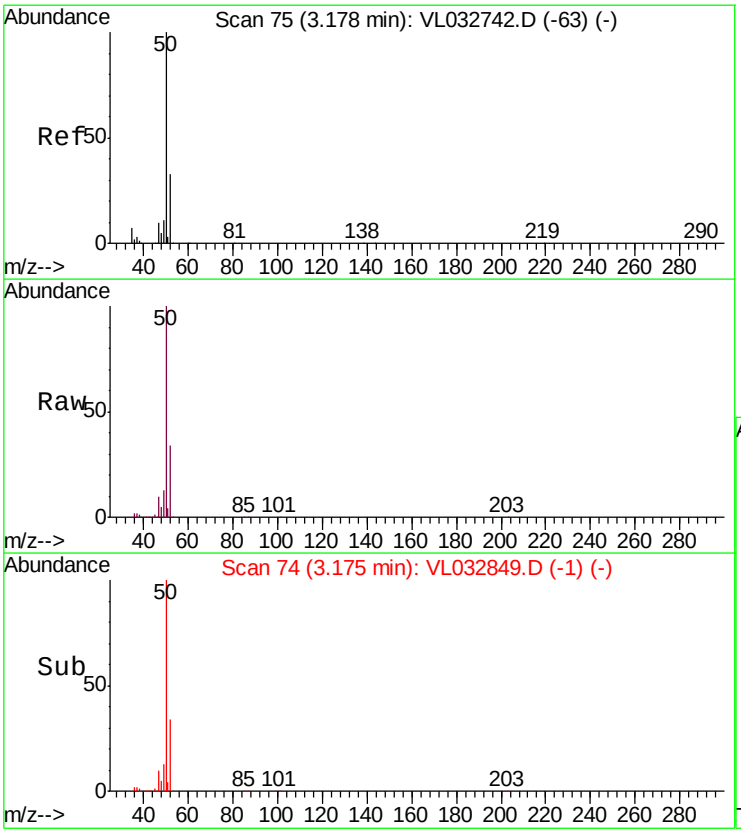
#3
Chlorodifluoromethane
Concen: 9.591 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 51 Resp: 1039495

Ion	Ratio	Lower	Upper
51	100		
67	20.5	16.1	24.1

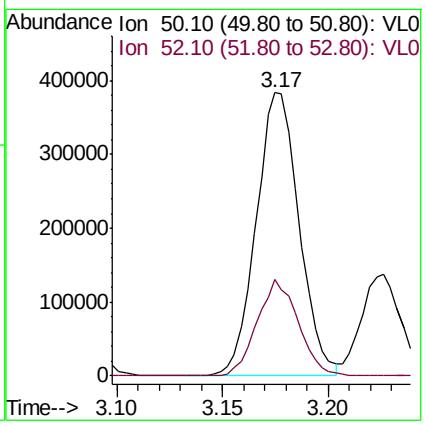


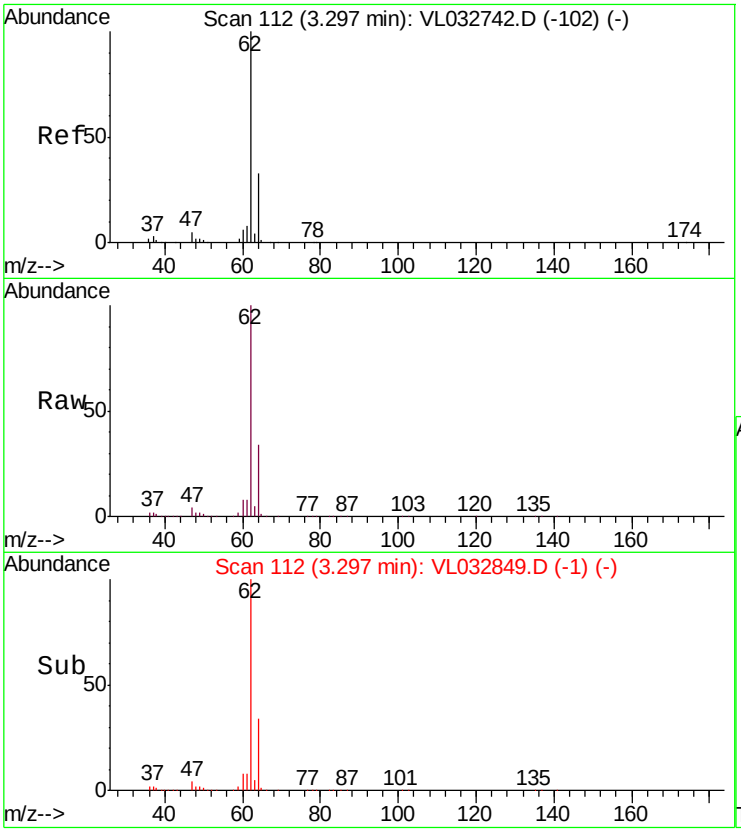


#4
Chloromethane
Concen: 9.051 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 50 Resp: 543935

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.6	40.0



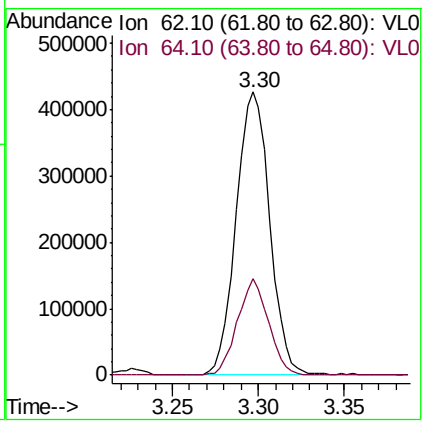


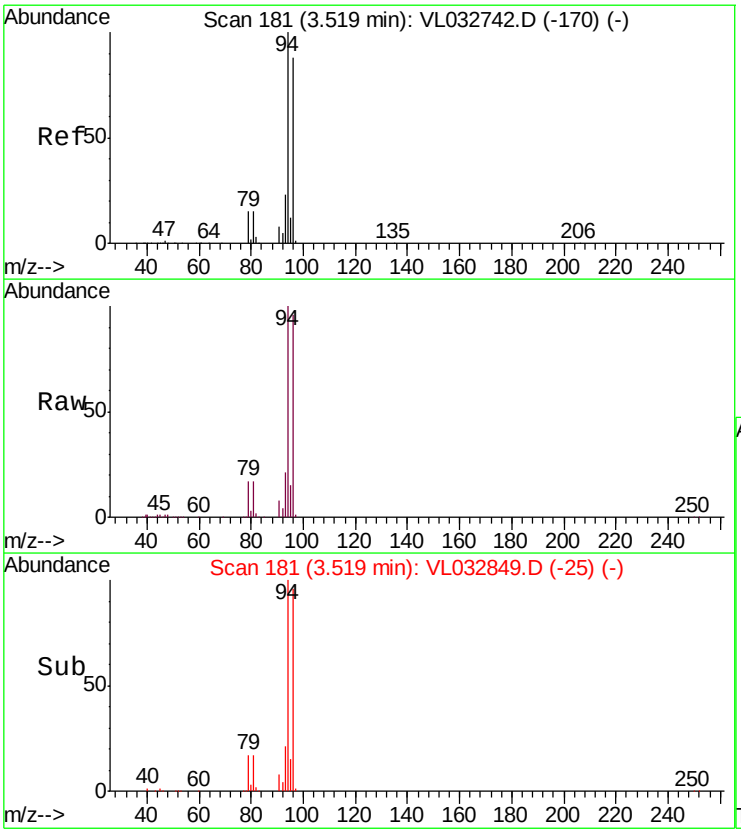
#5
Vinyl Chloride
Concen: 9.068 ppbv
RT: 3.30 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 62 Resp: 577444

Ion	Ratio	Lower	Upper
62	100		
64	34.1	26.2	39.4

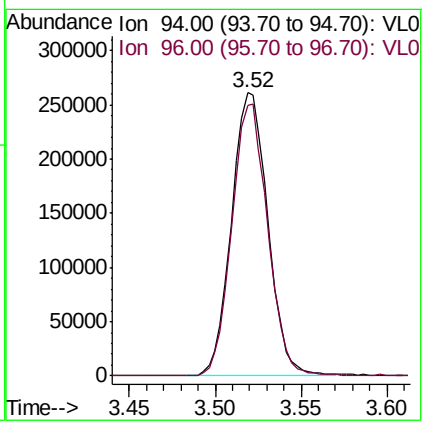


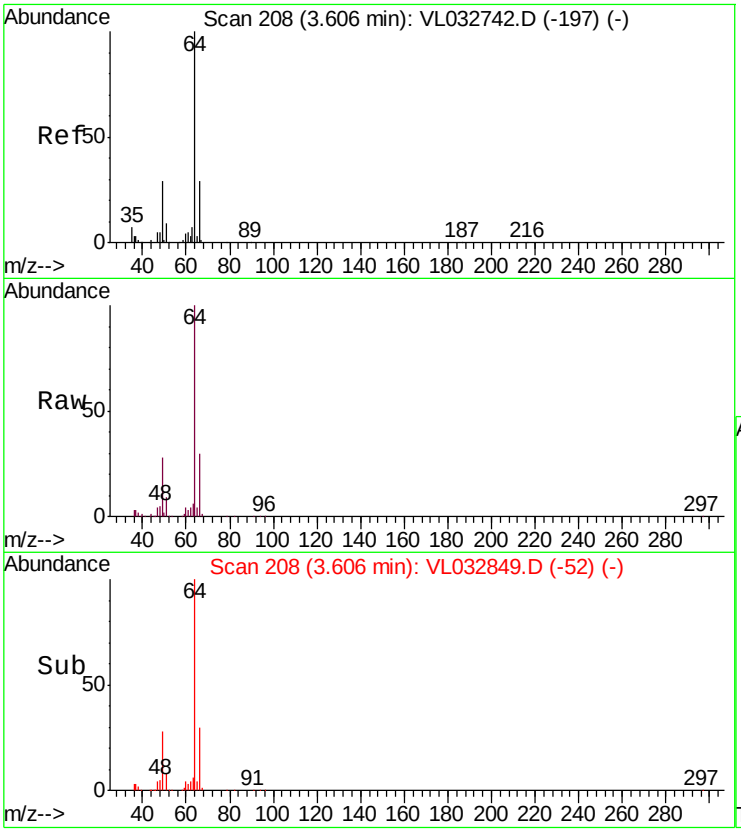


#6
Bromomethane
Concen: 9.822 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 94 Resp: 382617

Ion	Ratio	Lower	Upper
94	100		
96	95.8	70.2	105.2



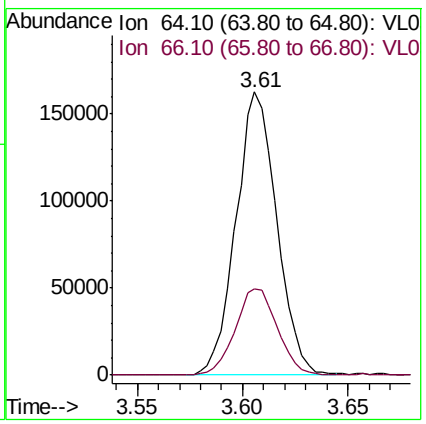


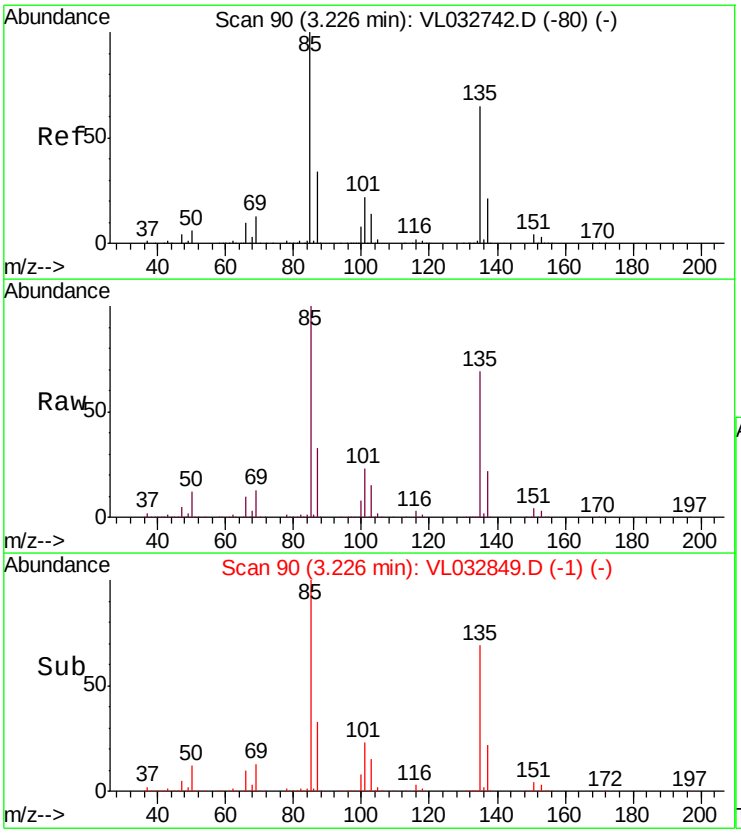
#7
Chloroethane
Concen: 9.522 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 64 Resp: 218553

Ion	Ratio	Lower	Upper
64	100		
66	30.5	23.2	34.8

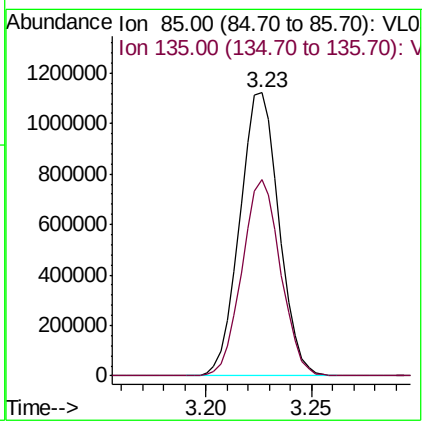


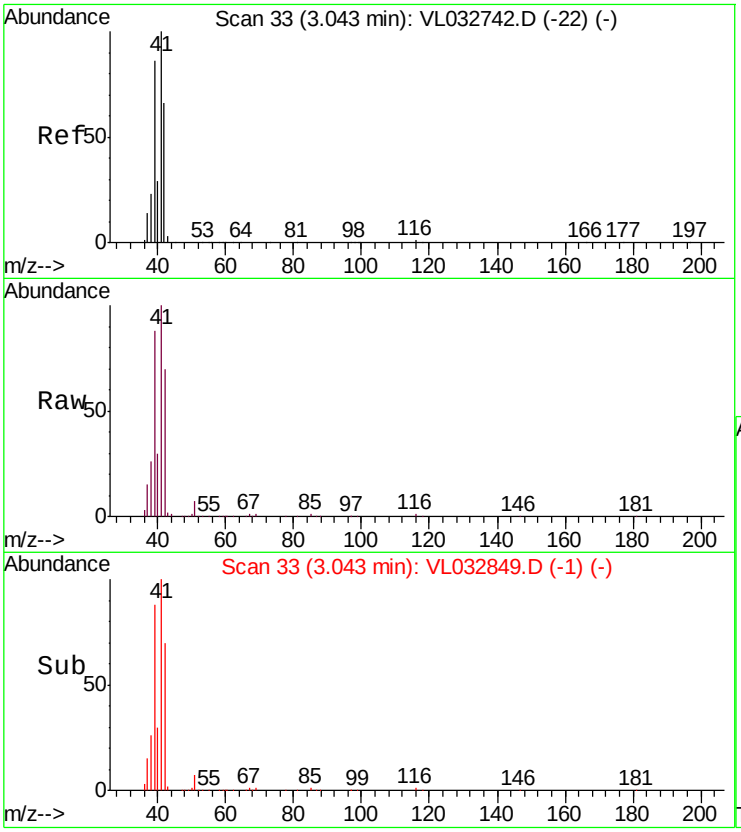


#8
Dichlorotetrafluoroethane
Concen: 9.355 ppbv
RT: 3.23 min Scan# 90
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 85 Resp: 1448703

Ion	Ratio	Lower	Upper
85	100		
135	68.6	53.8	80.8



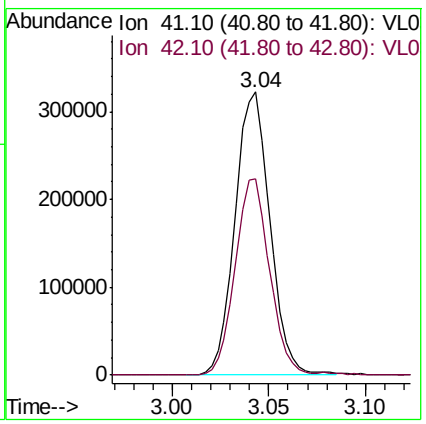


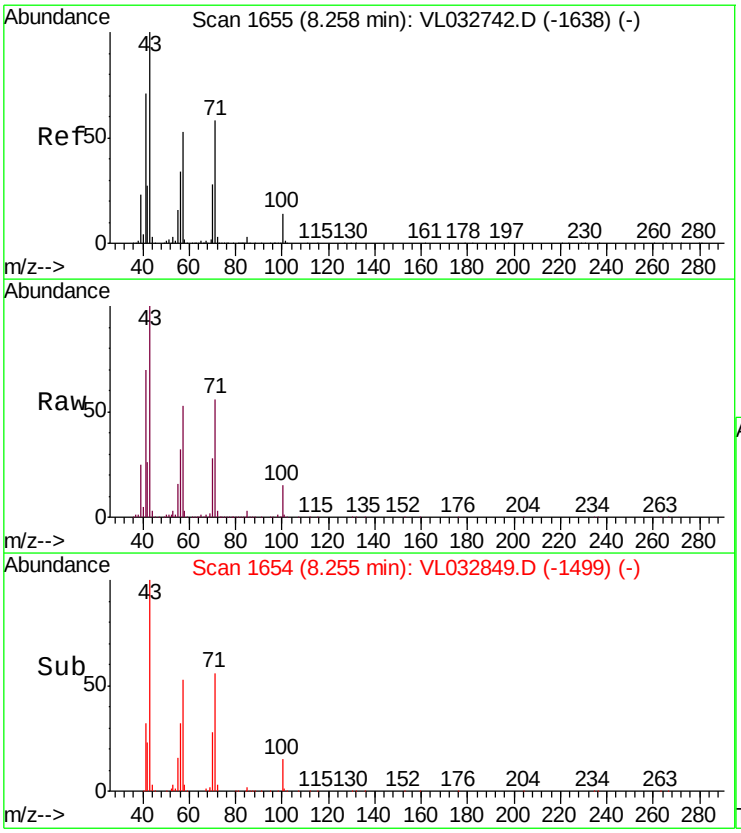
#9
Propene
Concen: 9.343 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 41 Resp: 405249

Ion	Ratio	Lower	Upper
41	100		
42	69.2	55.0	82.6

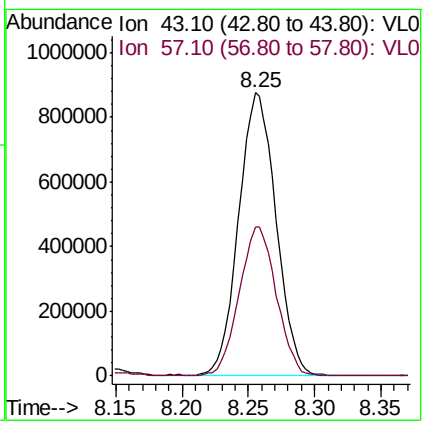


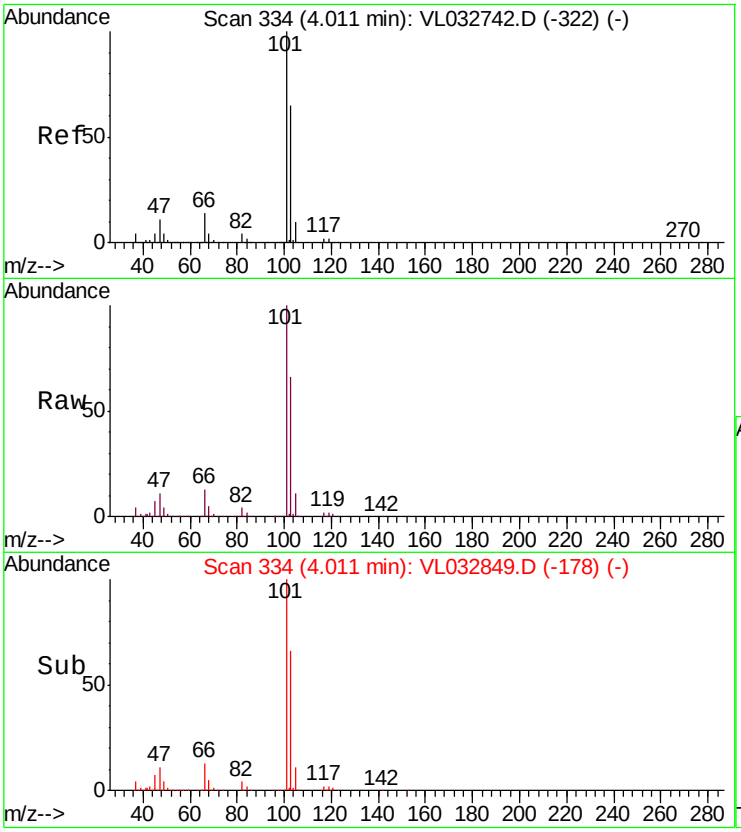


#10
Heptane
Concen: 10.308 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 43 Resp: 1706810

Ion	Ratio	Lower	Upper
43	100		
57	52.4	41.8	62.8



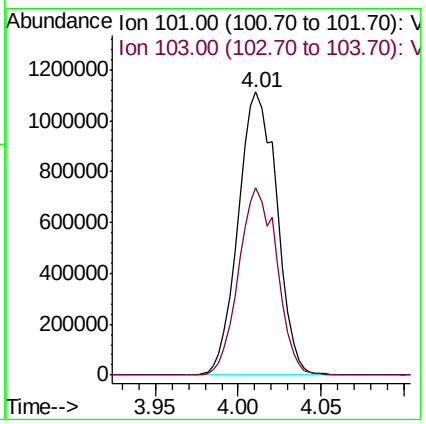


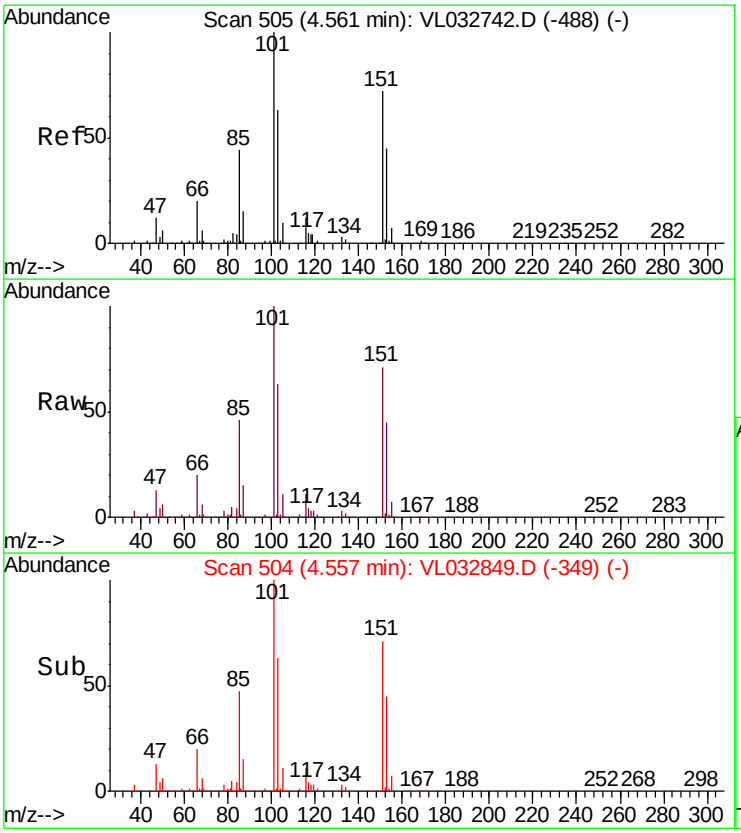
#11
Trichlorofluoromethane
Concen: 9.738 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:101 Resp: 1803418

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

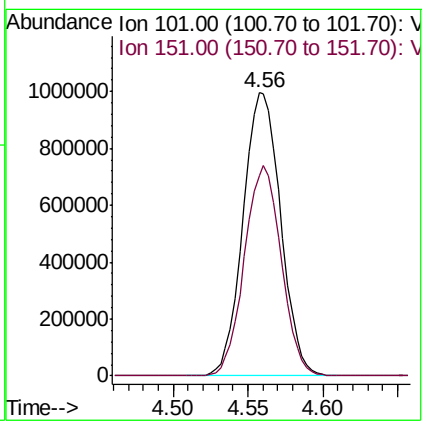


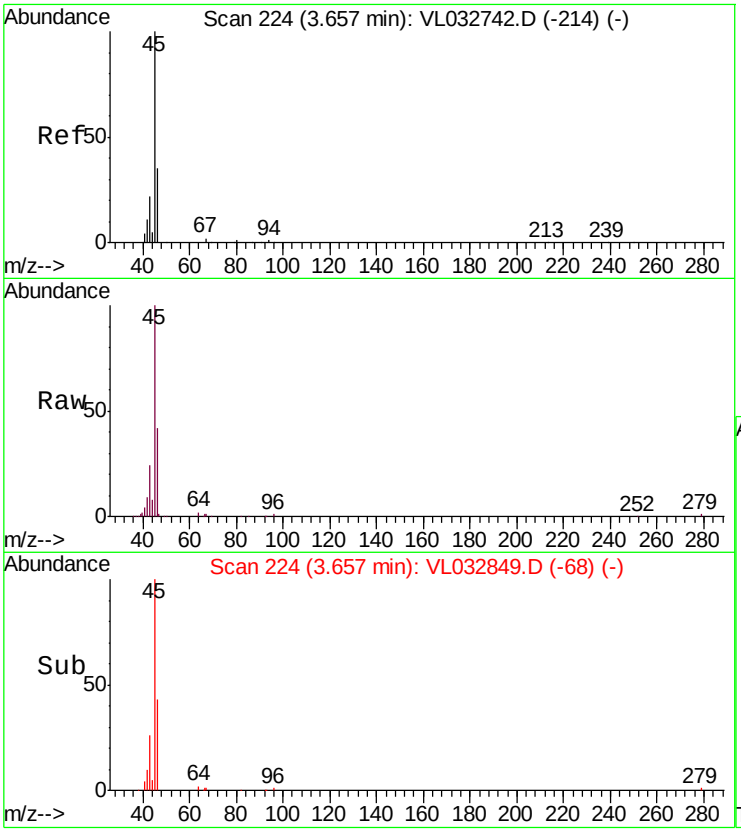


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.523 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:101 Resp: 1743024

Ion	Ratio	Lower	Upper
101	100		
151	73.0	56.7	85.1



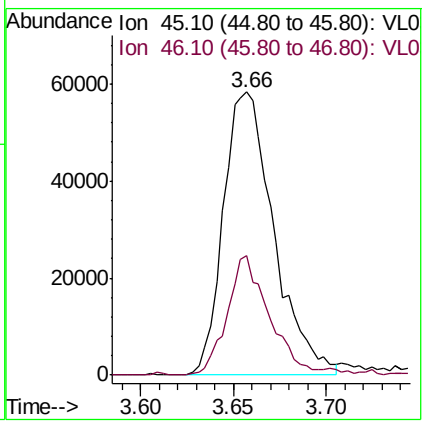


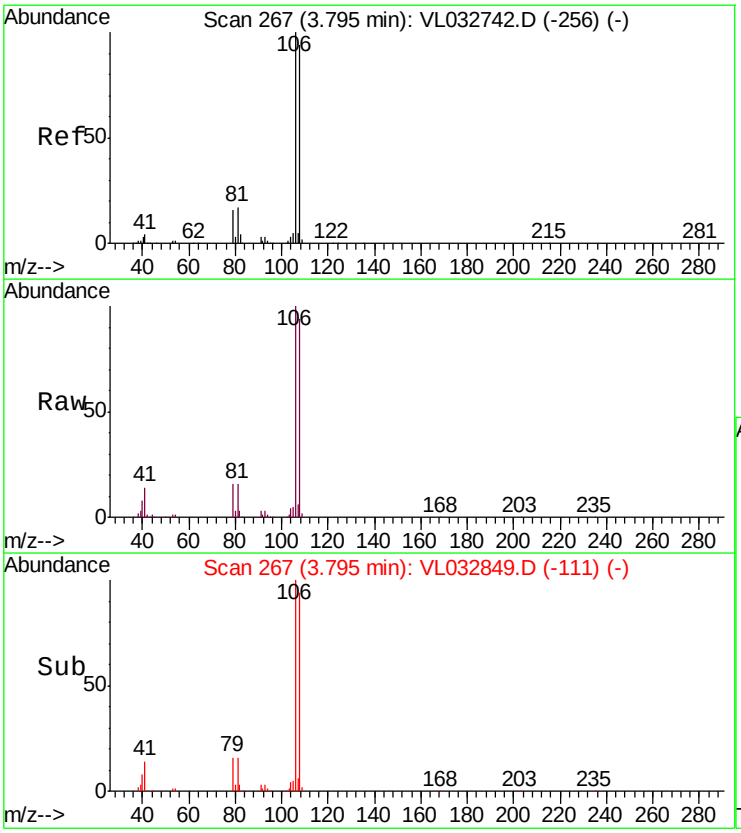
#13
Ethanol
Concen: 7.770 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 45 Resp: 110377

Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.5	57.9

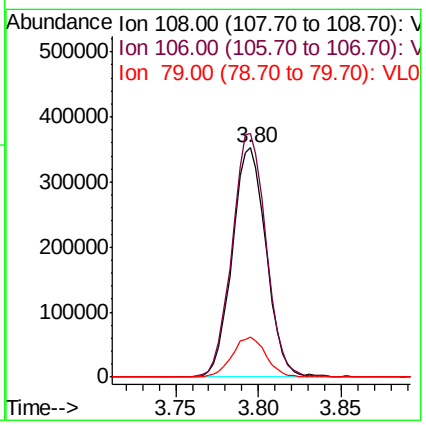


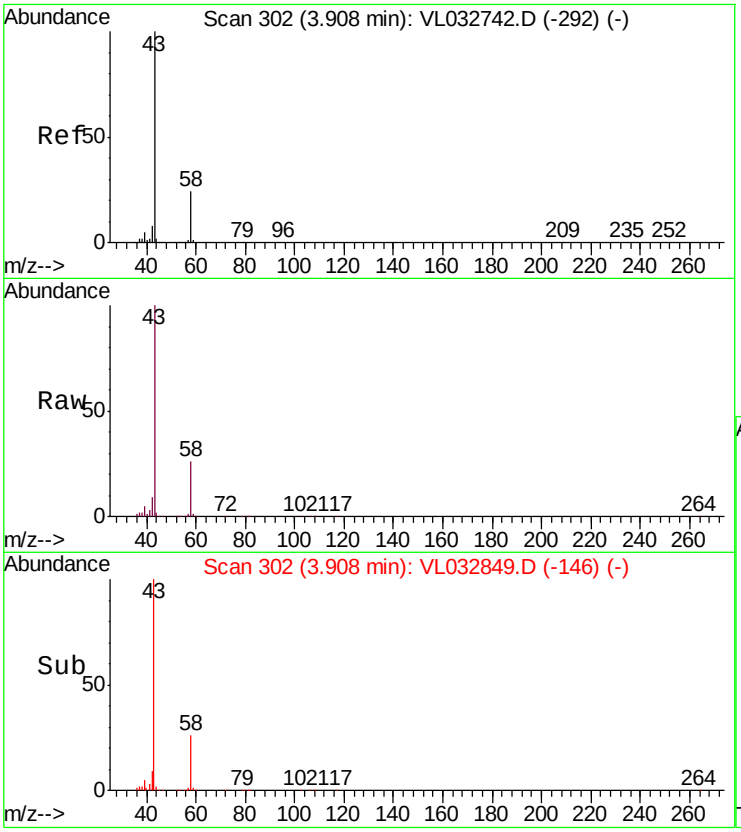


#14
Bromoethene
Concen: 10.005 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:108 Resp: 502107

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.9	127.3
79	18.0	14.2	21.4



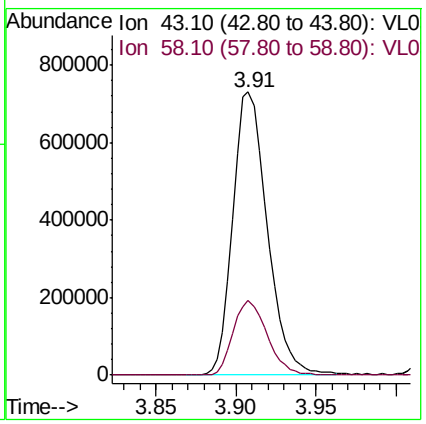


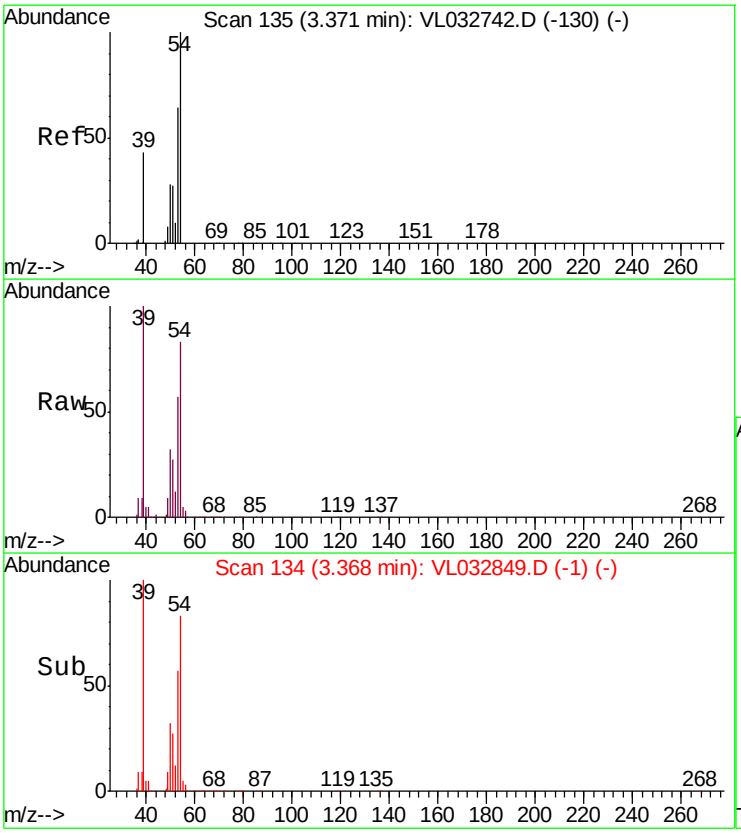
#15
Acetone
Concen: 8.552 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 43 Resp: 1067696

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.1	31.7

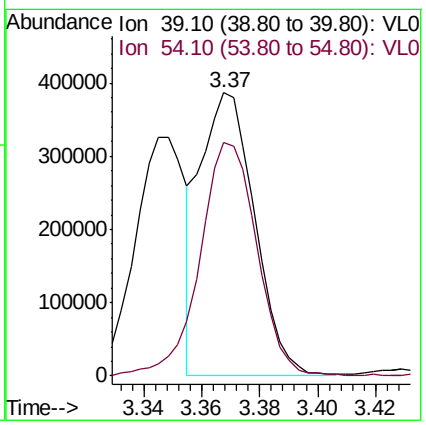


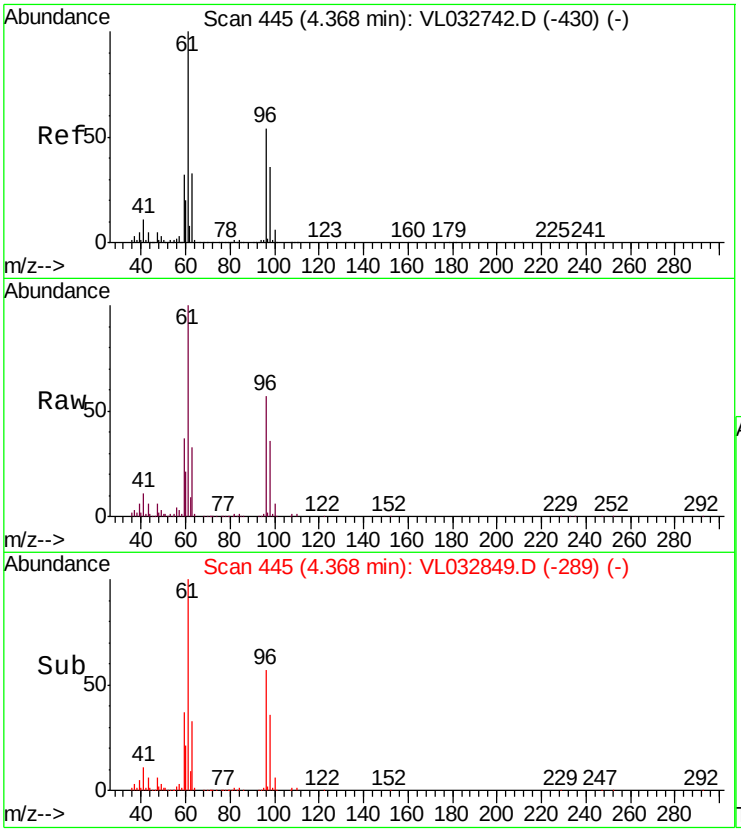


#16
1,3-Butadiene
Concen: 10.355 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 39 Resp: 500613

Ion	Ratio	Lower	Upper
39	100		
54	87.2	68.9	103.3



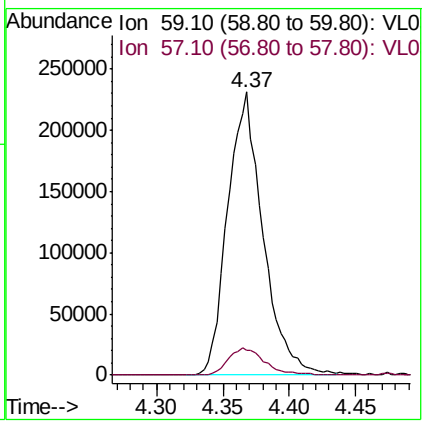


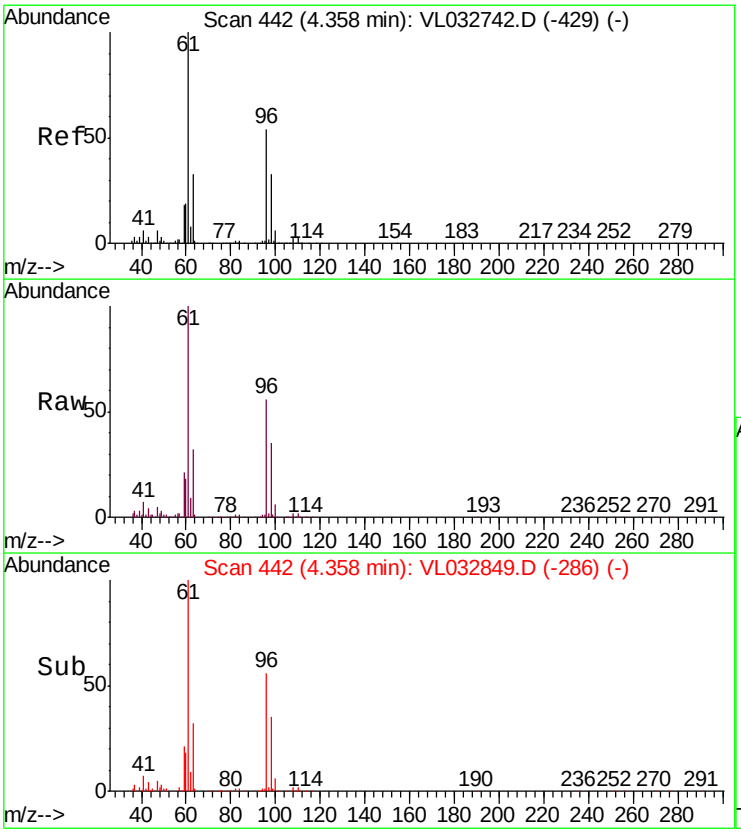
#17
tert-Butyl alcohol
Concen: 10.987 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 59 Resp: 430181

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

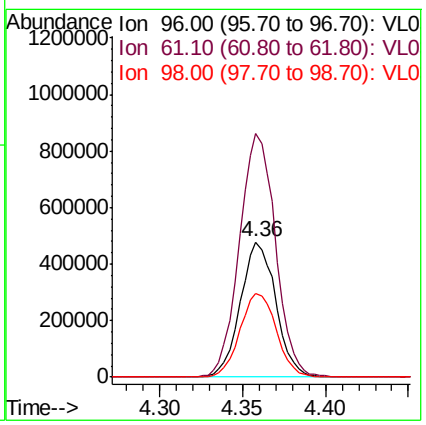


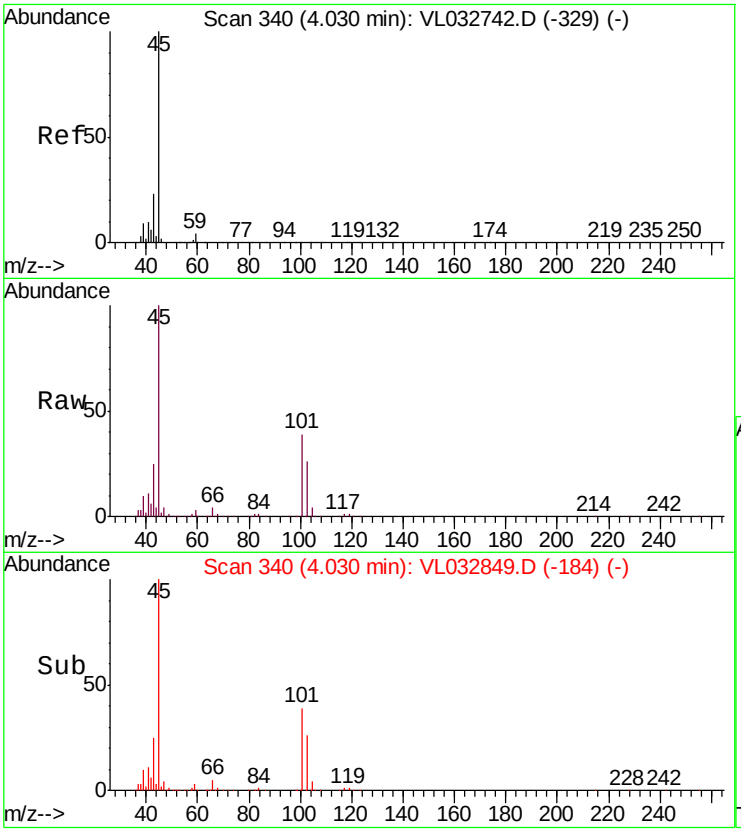


#18
1,1-Dichloroethene
Concen: 9.493 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 96 Resp: 706116

Ion	Ratio	Lower	Upper
96	100		
61	179.8	148.5	222.7
98	62.2	48.6	72.8



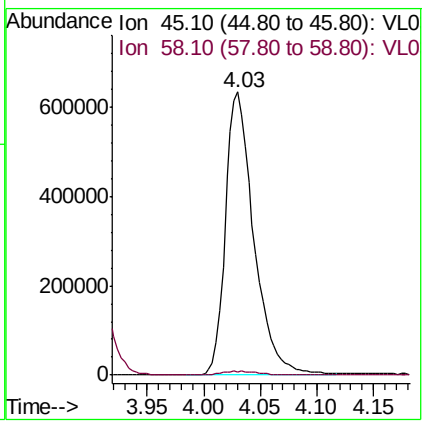


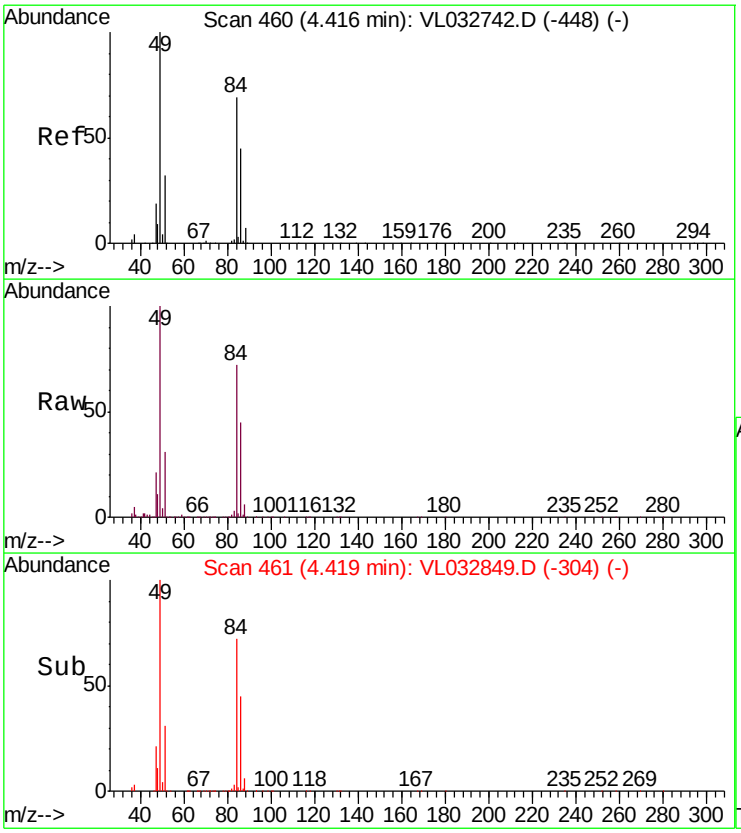
#19
Isopropyl Alcohol
Concen: 13.326 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 45 Resp: 1108256

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

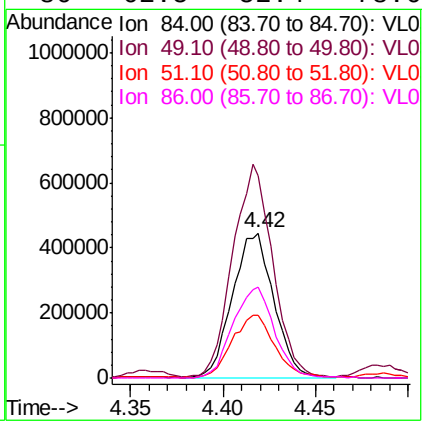


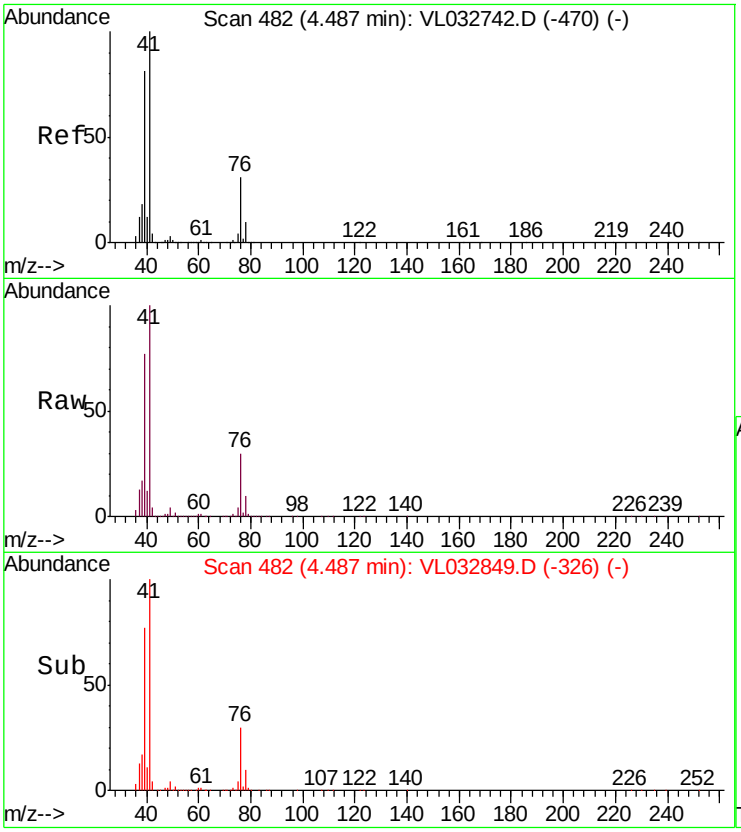


#20
Methylene Chloride
Concen: 10.665 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 84 Resp: 689292

Ion	Ratio	Lower	Upper
84	100		
49	138.4	115.8	173.6
51	42.6	36.9	55.3
86	62.5	52.4	78.6



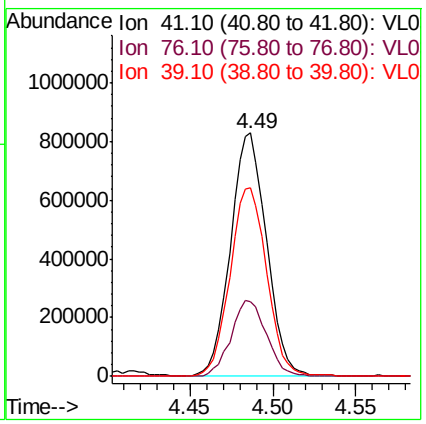


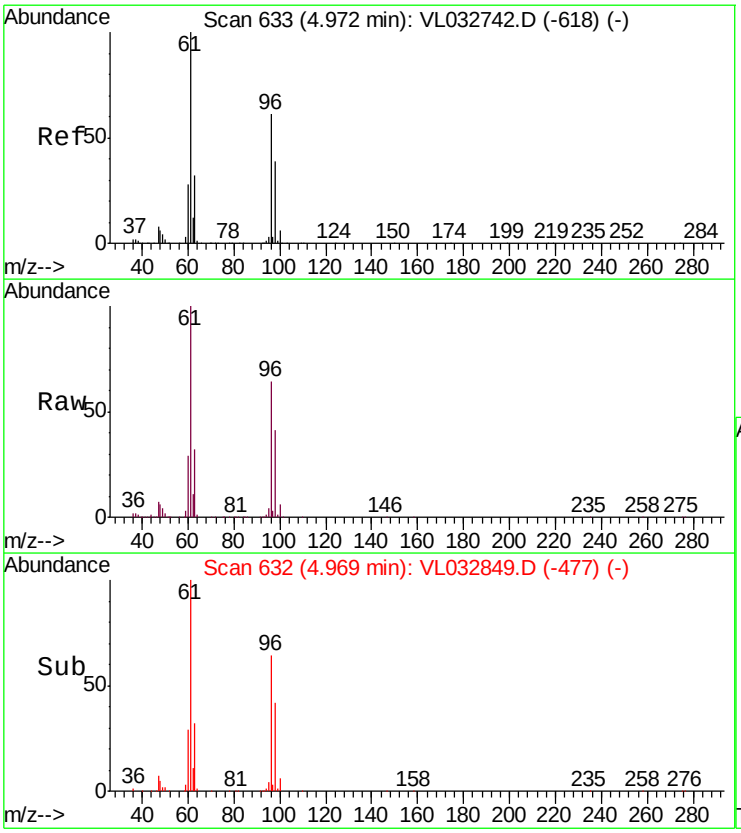
#21
Allyl Chloride
Concen: 11.835 ppbv
RT: 4.49 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 41 Resp: 1241685

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.4	36.6
39	79.5	63.5	95.3

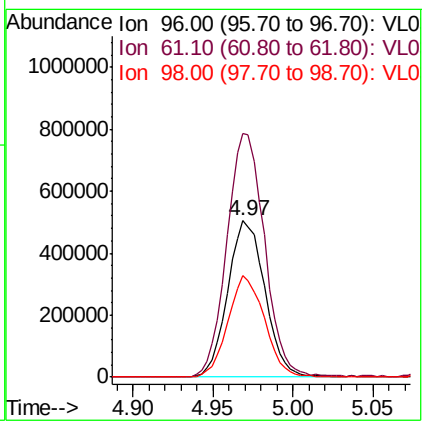


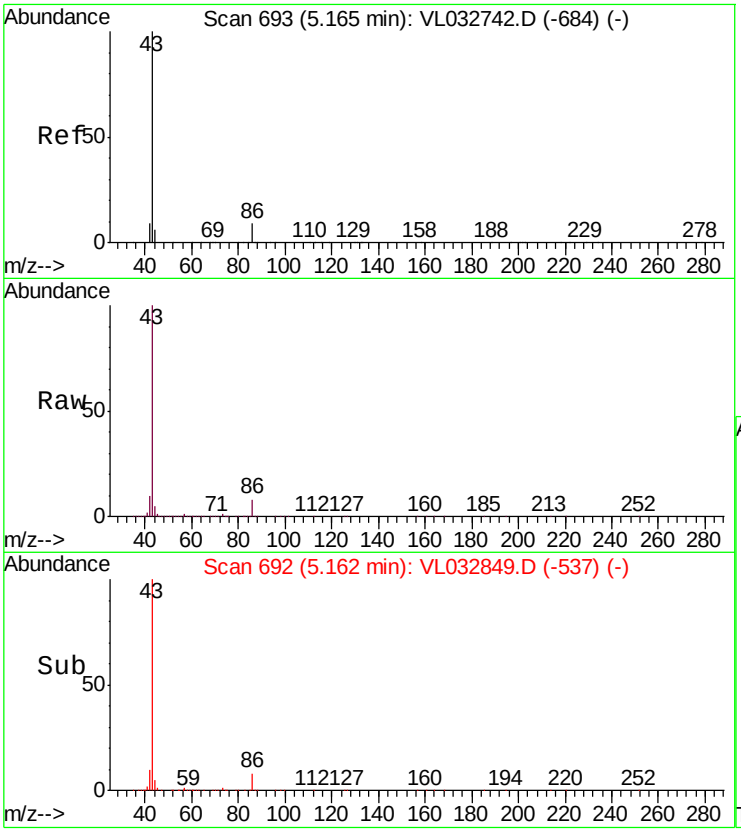


#22
trans-1,2-Dichloroethene
Concen: 10.992 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 96 Resp: 798398

Ion	Ratio	Lower	Upper
96	100		
61	155.6	130.2	195.2
98	64.5	50.2	75.2



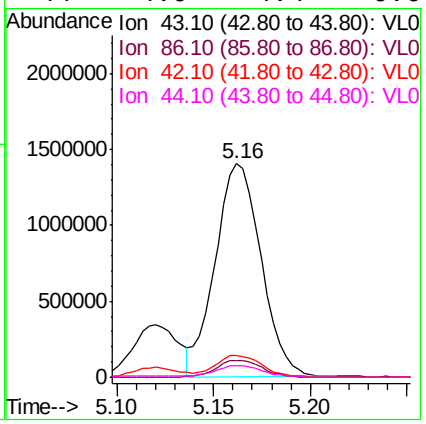


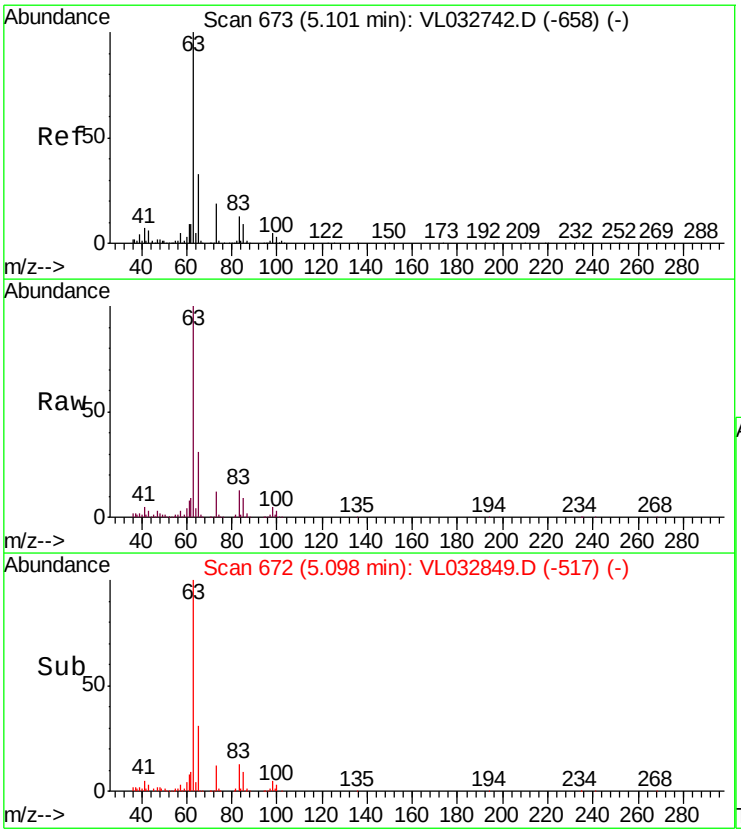
#23
Vinyl Acetate
Concen: 10.169 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 43 Resp: 2314229

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.4
42	10.0	7.8	11.6
44	4.9	4.4	6.6

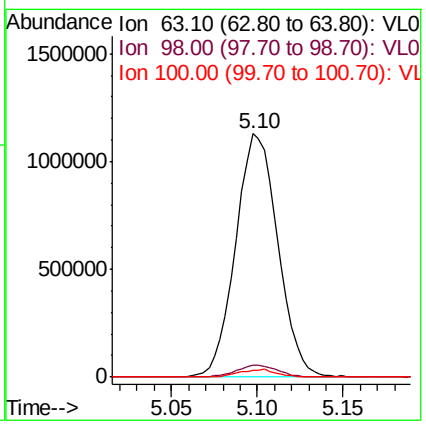


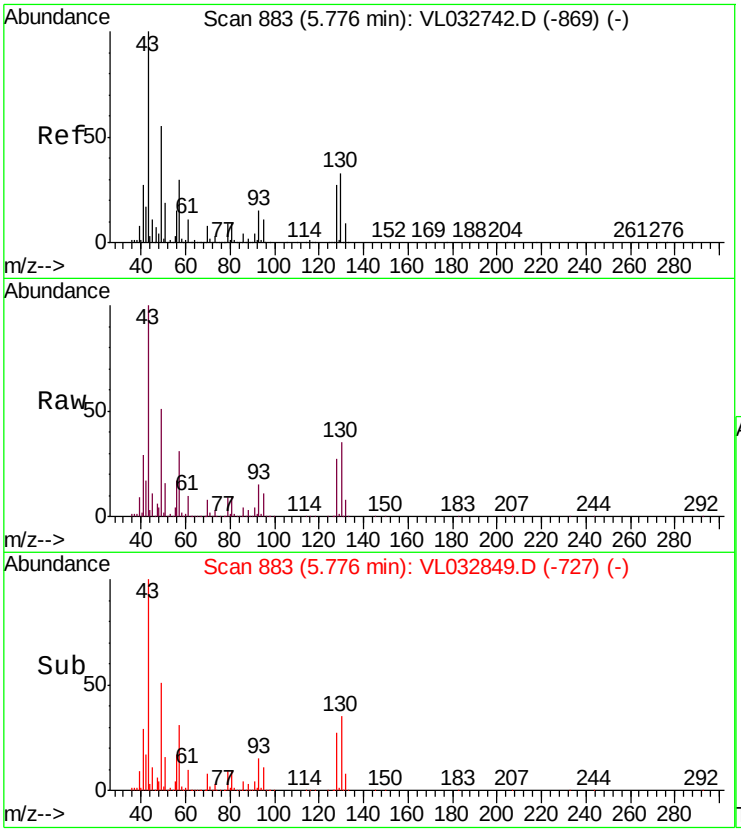


#24
1,1-Dichloroethane
Concen: 10.602 ppbv
RT: 5.10 min Scan# 672
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 63 Resp: 1918243

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	2.8	1.4	4.2



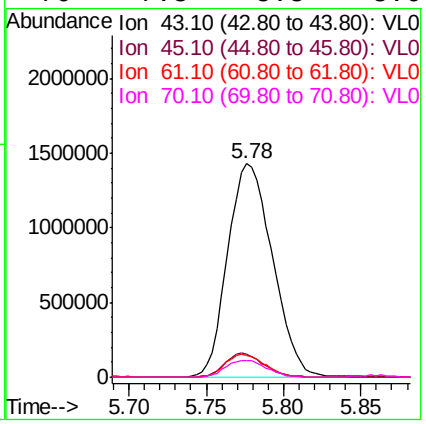


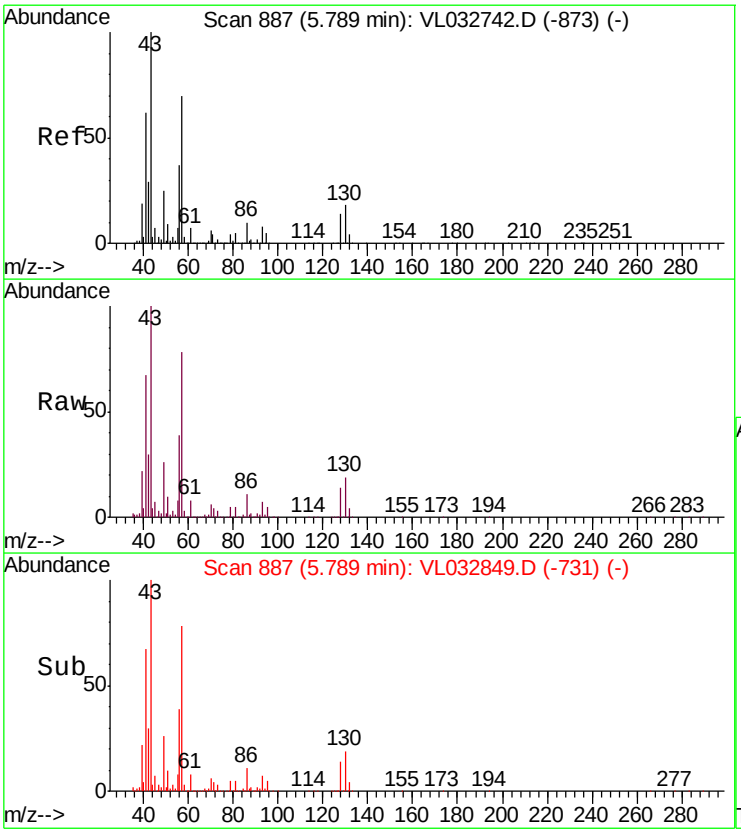
#25
Ethyl Acetate
Concen: 9.852 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 43 Resp: 2866622

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.4	7.8	11.6
70	7.3	5.8	8.6

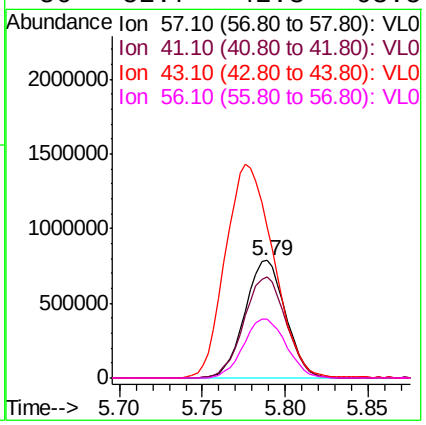


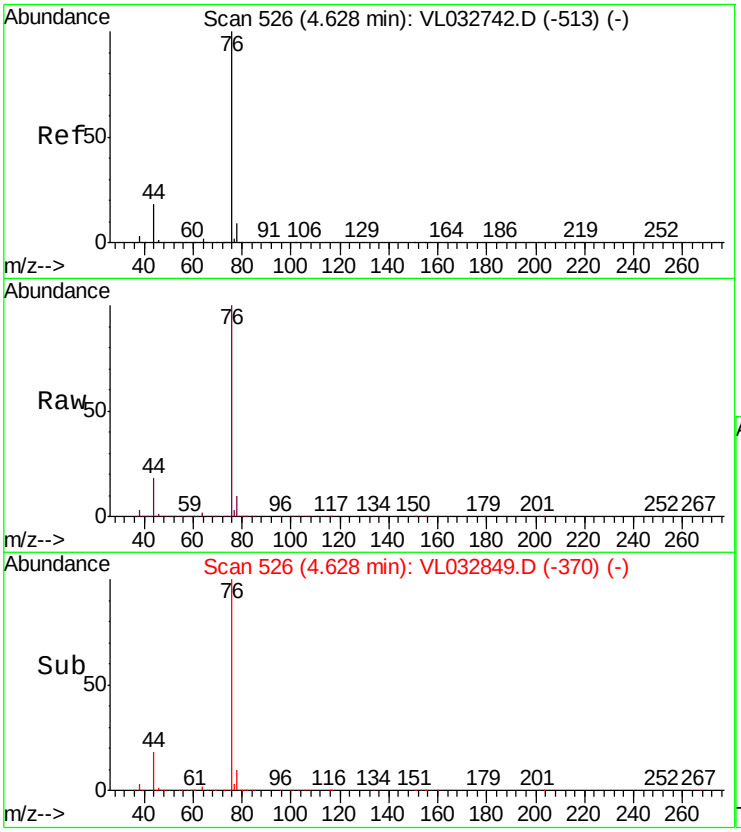


#26
Hexane
Concen: 10.363 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 57 Resp: 1342322

Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.3	105.5
43	215.7	174.0	261.0
56	52.7	42.3	63.5



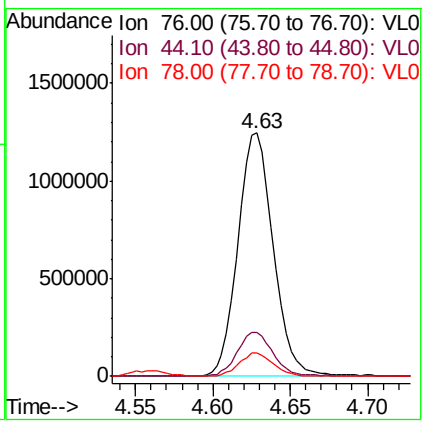


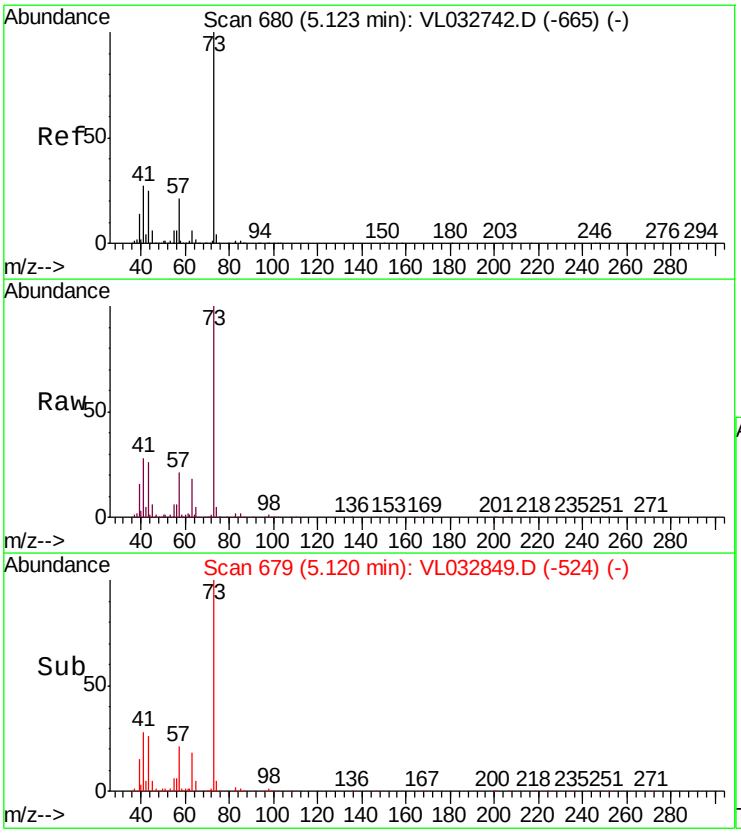
#27
Carbon Disulfide
Concen: 12.056 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 76 Resp: 1980092

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.4	21.6
78	9.3	7.7	11.5

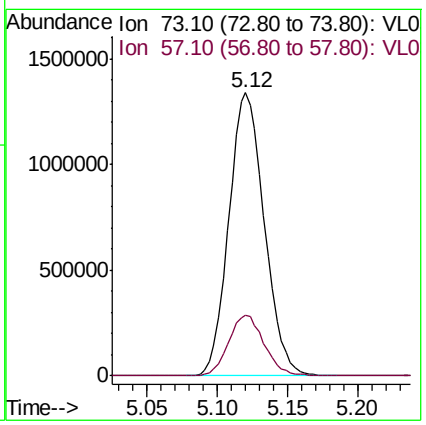


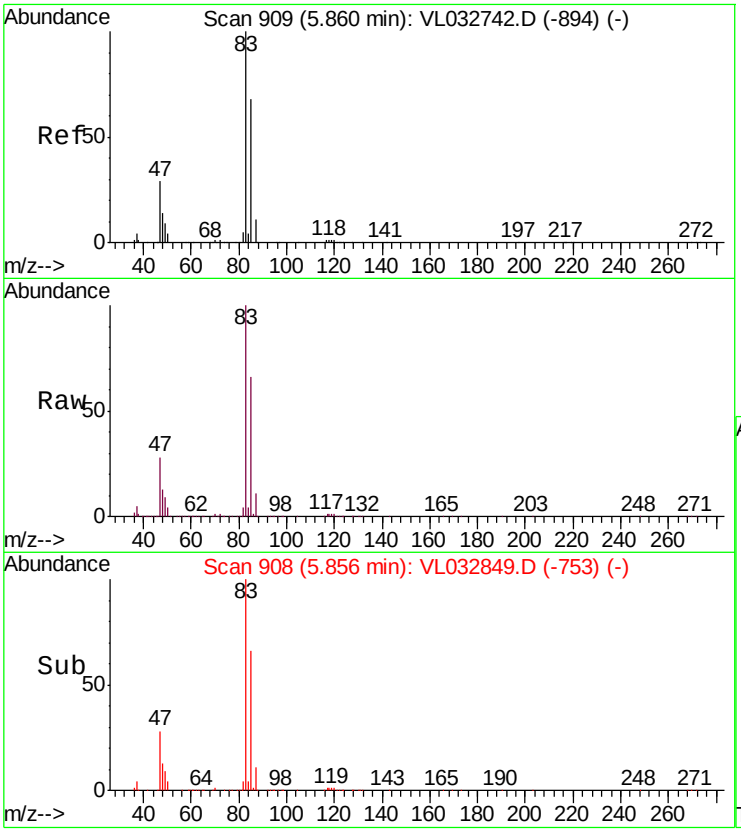


#28
Methyl tert-Butyl Ether
Concen: 11.404 ppbv
RT: 5.12 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 73 Resp: 2355544

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3



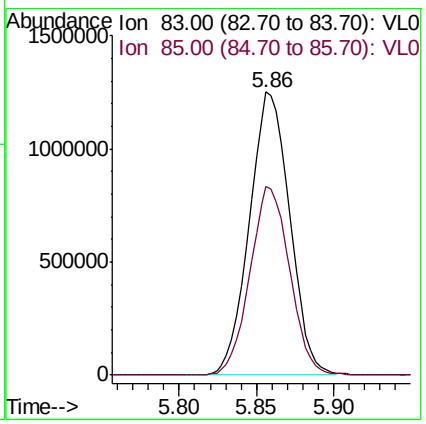


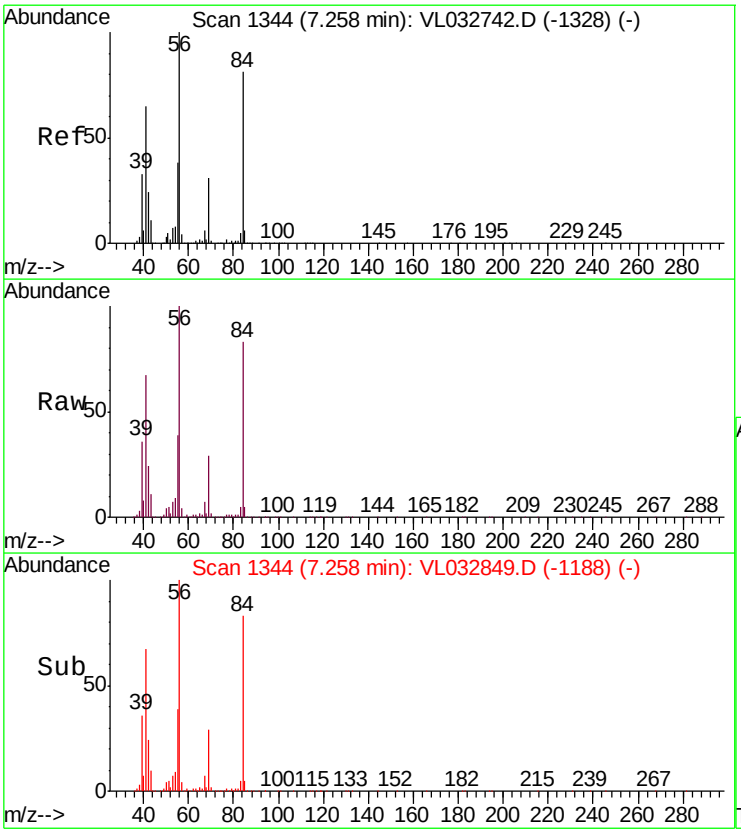
#29
Chloroform
Concen: 9.845 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 83 Resp: 2272764

Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.2	81.4

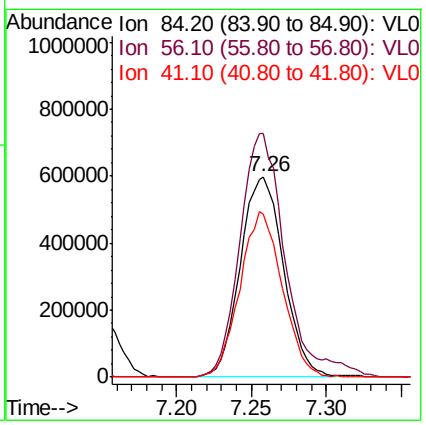


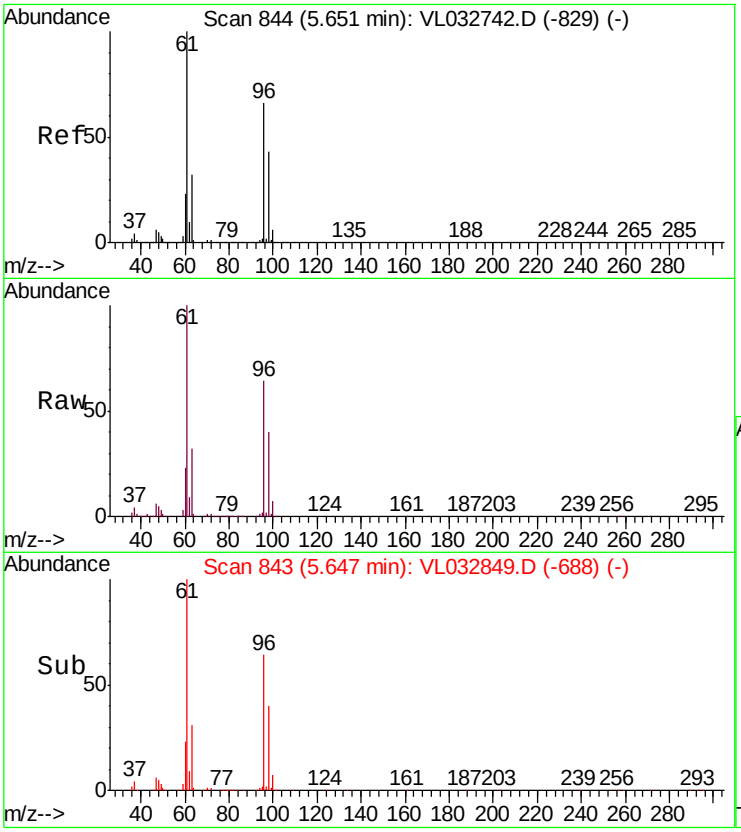


#30
Cyclohexane
Concen: 10.661 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 84 Resp: 1207733

Ion	Ratio	Lower	Upper
84	100		
56	127.8	105.0	157.4
41	80.6	65.3	97.9



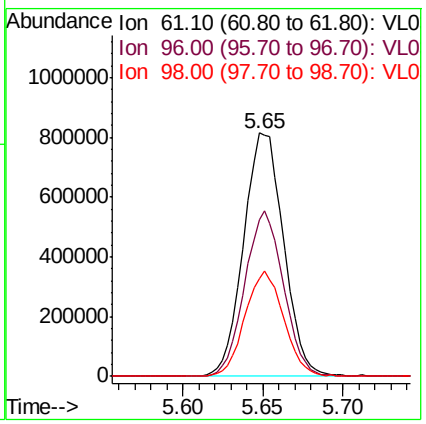


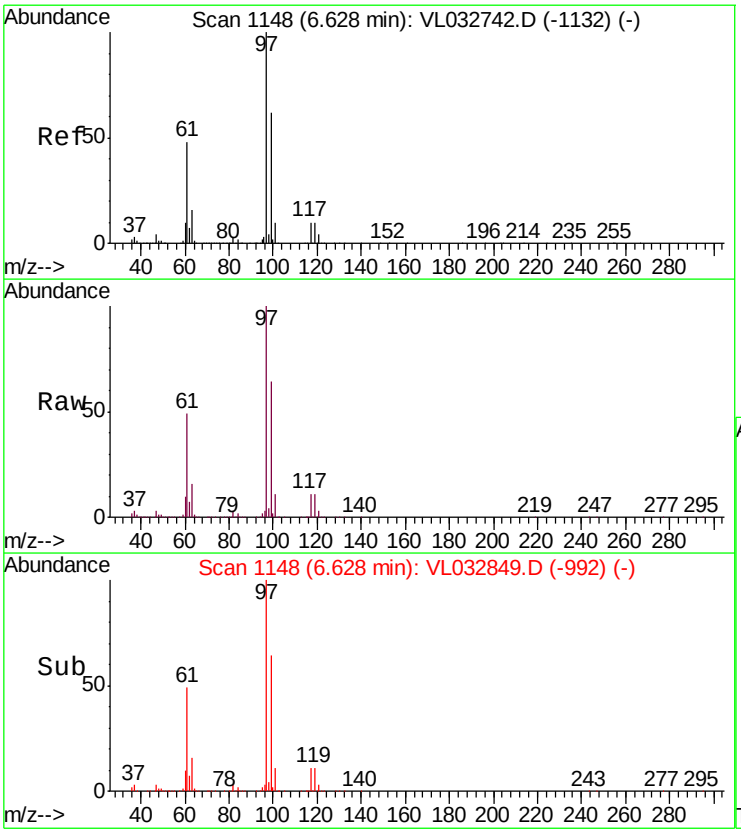
#31
cis-1,2-Dichloroethene
Concen: 10.667 ppbv
RT: 5.65 min Scan# 843
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 61 Resp: 1389074

Ion	Ratio	Lower	Upper
61	100		
96	64.4	53.2	79.8
98	40.2	34.4	51.6

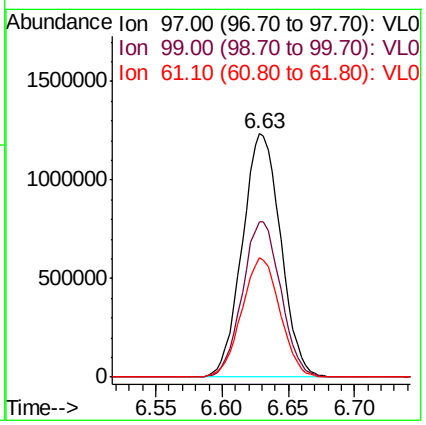


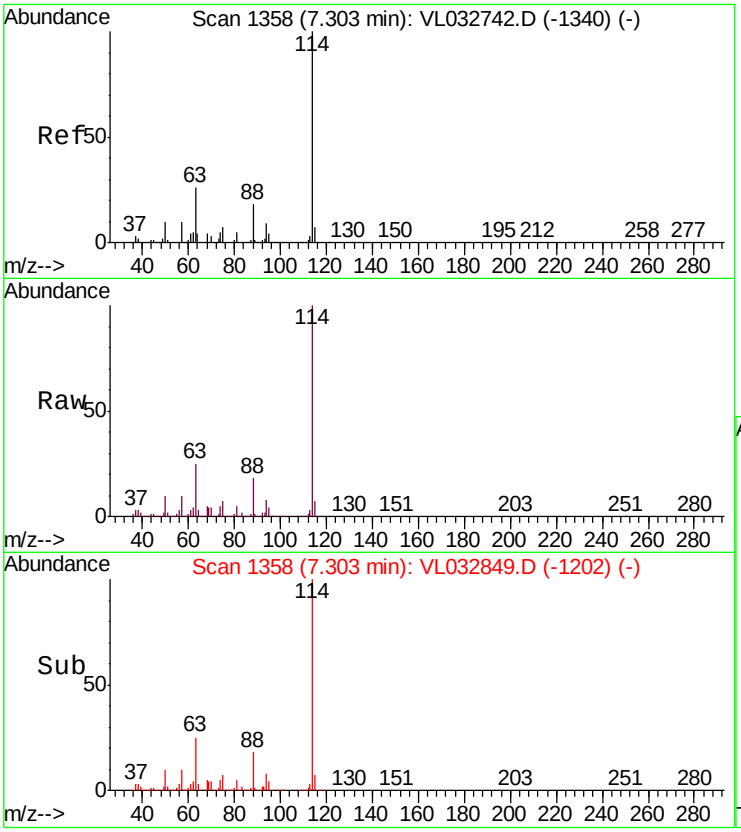


#32
1,1,1-Trichloroethane
Concen: 9.849 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 97 Resp: 2492193

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.8	39.7	59.5



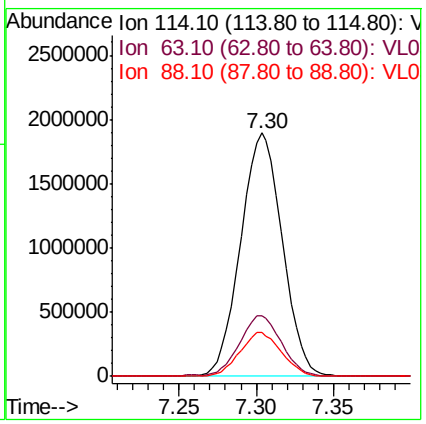


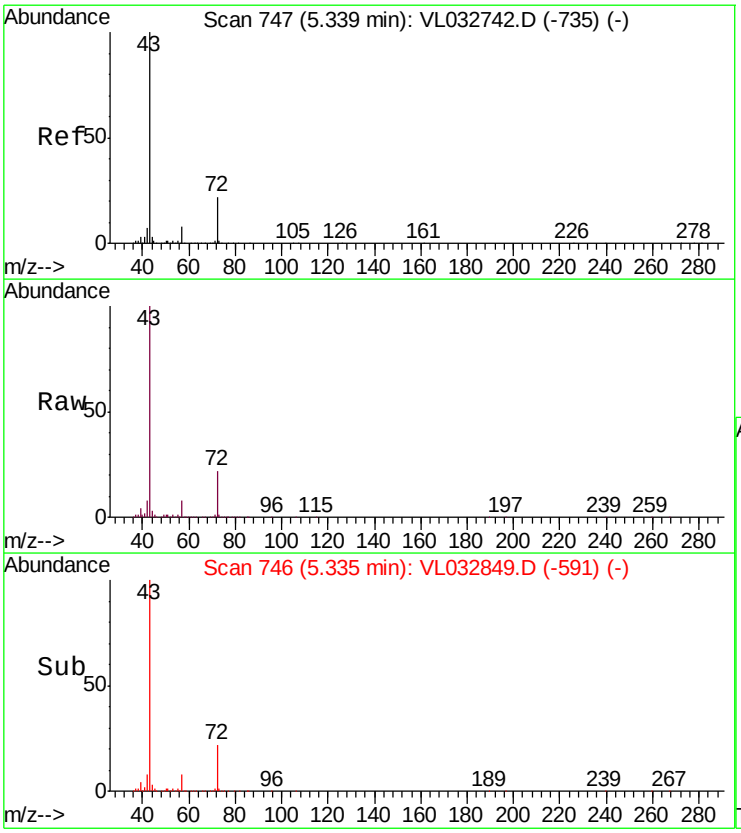
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:114 Resp: 3553895

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	18.0	14.4	21.6

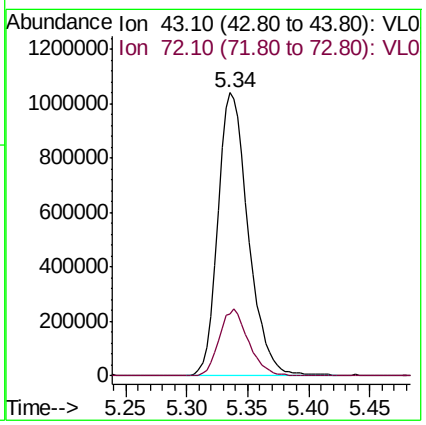


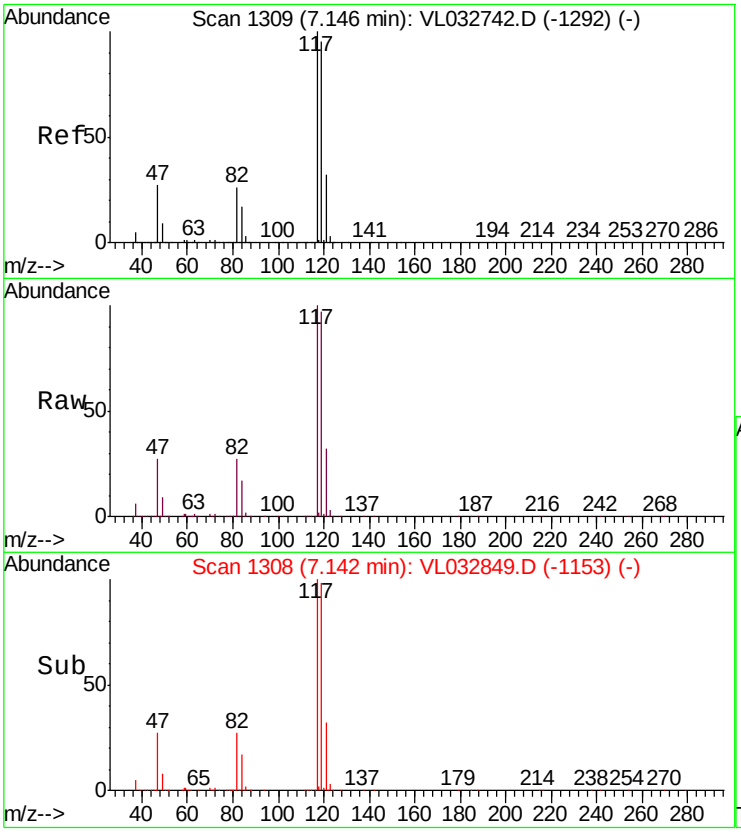


#34
2-Butanone
Concen: 9.844 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 43 Resp: 1814505

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6



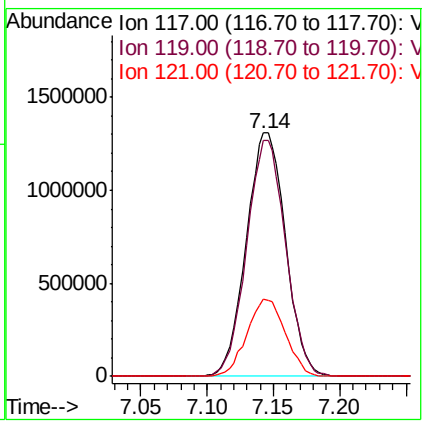


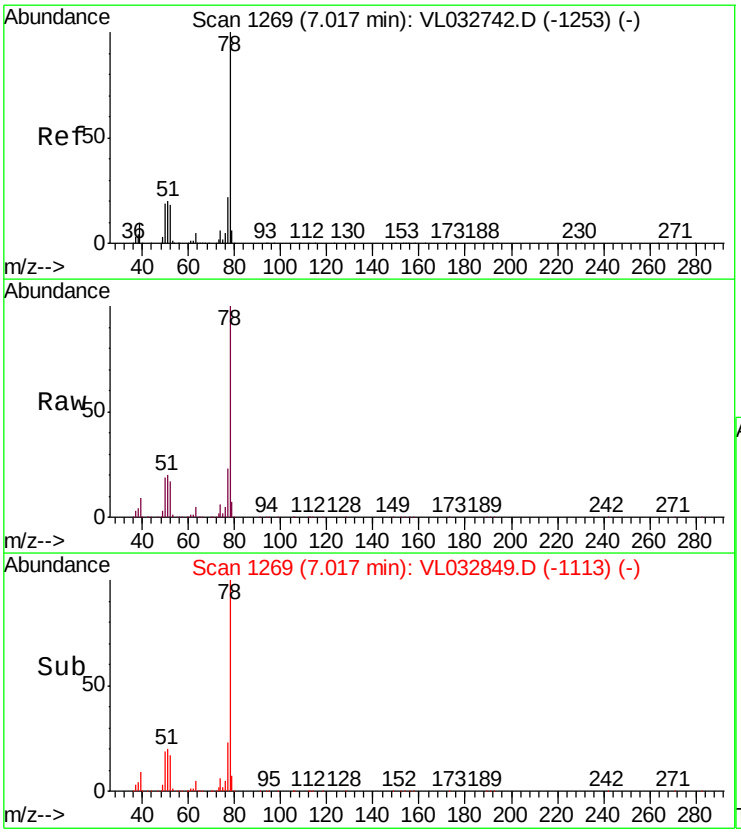
#35
Carbon Tetrachloride
Concen: 9.464 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:117 Resp: 2703792

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.1	114.1
121	31.8	25.4	38.0

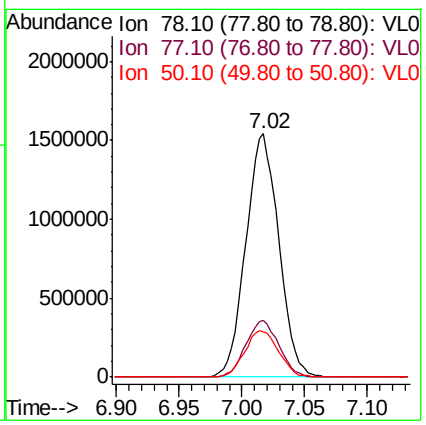


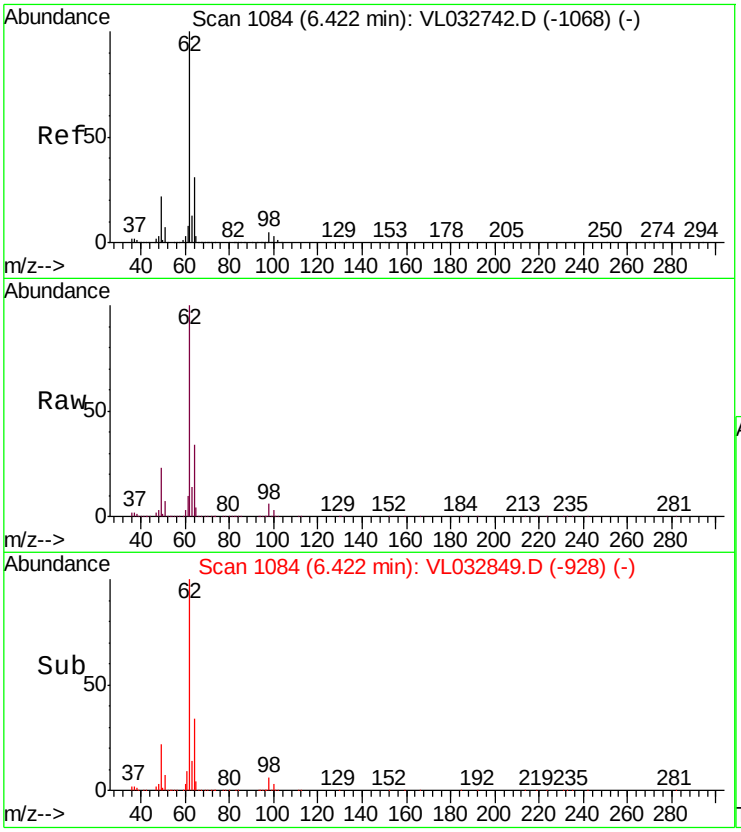


#36
Benzene
Concen: 9.964 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 78 Resp: 2819891

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.8	26.8
50	18.8	15.4	23.0



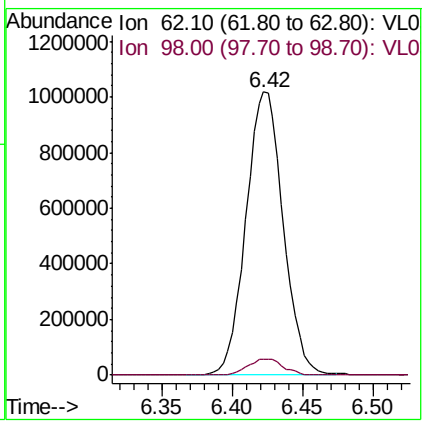


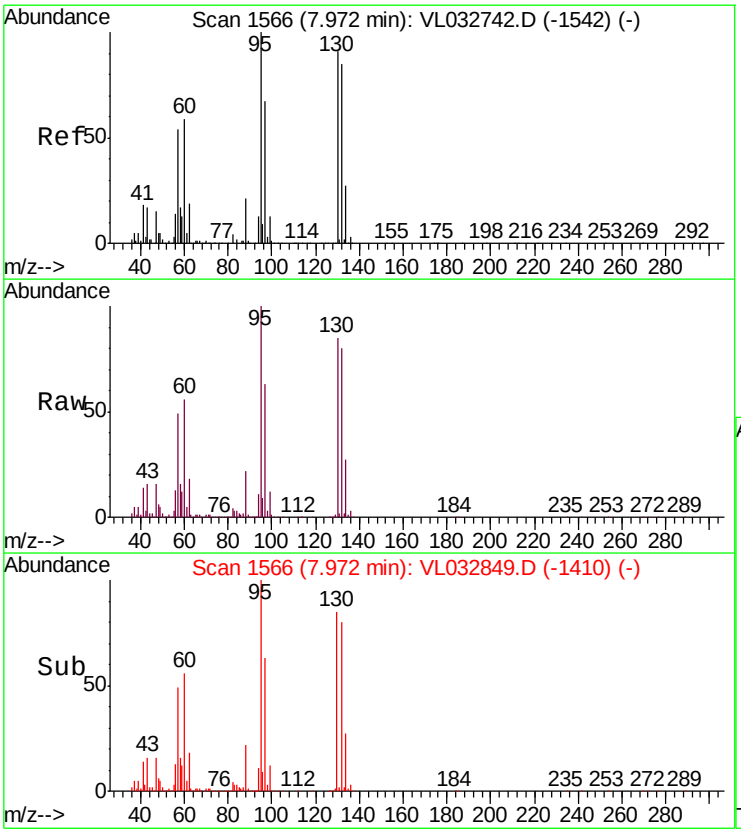
#37
1,2-Dichloroethane
Concen: 9.864 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 62 Resp: 1879124

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

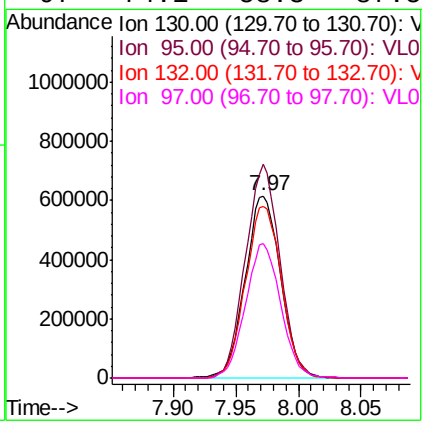


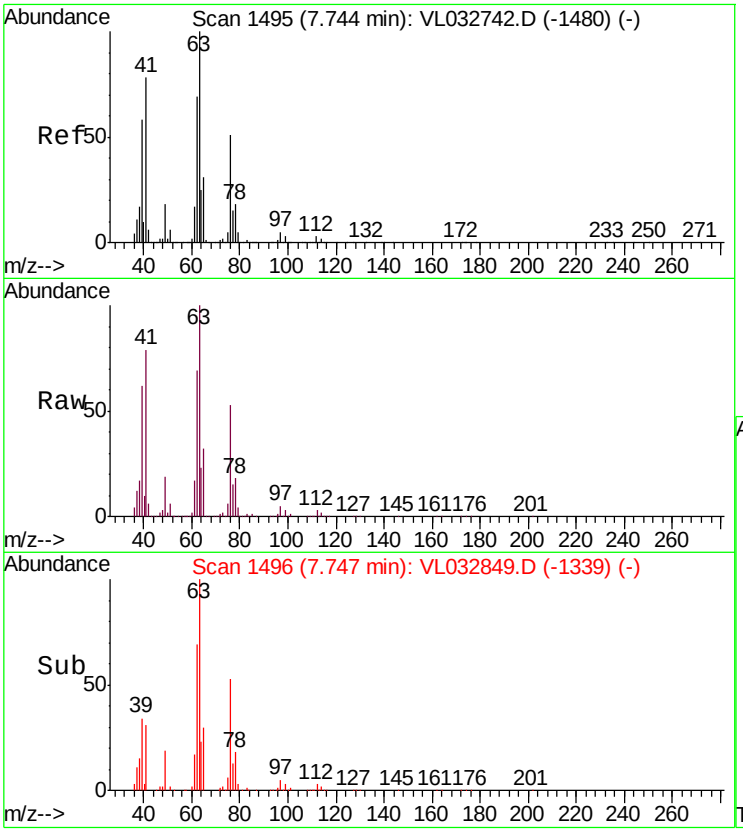


#38
Trichloroethene
Concen: 10.532 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:130 Resp: 1206221

Ion	Ratio	Lower	Upper
130	100		
95	117.5	87.7	131.5
132	94.5	74.6	111.8
97	74.1	58.3	87.5



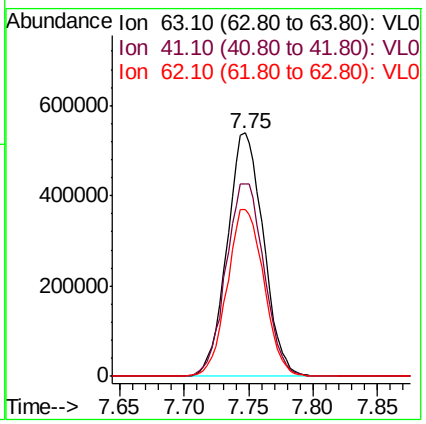


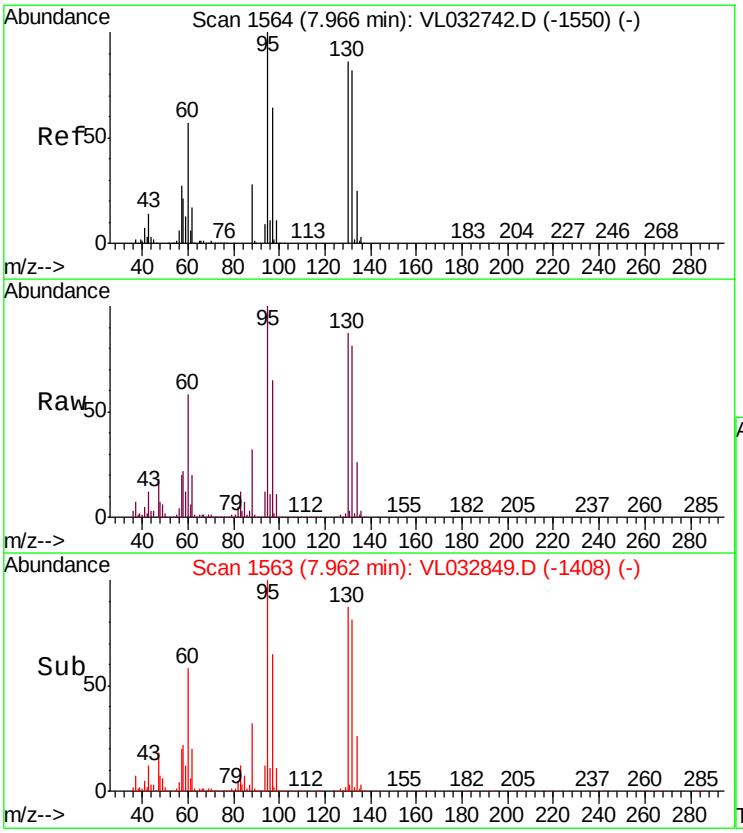
#39
1,2-Dichloropropane
Concen: 9.731 ppbv
RT: 7.75 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 63 Resp: 1049265

Ion	Ratio	Lower	Upper
63	100		
41	78.9	62.0	93.0
62	68.6	55.4	83.2

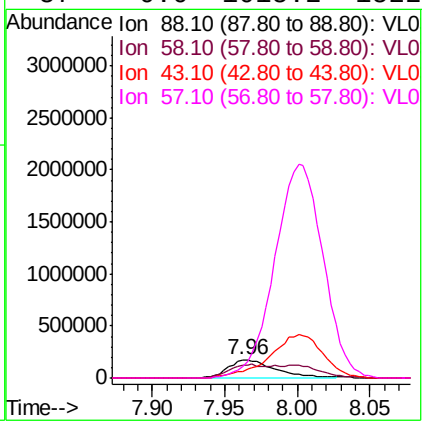


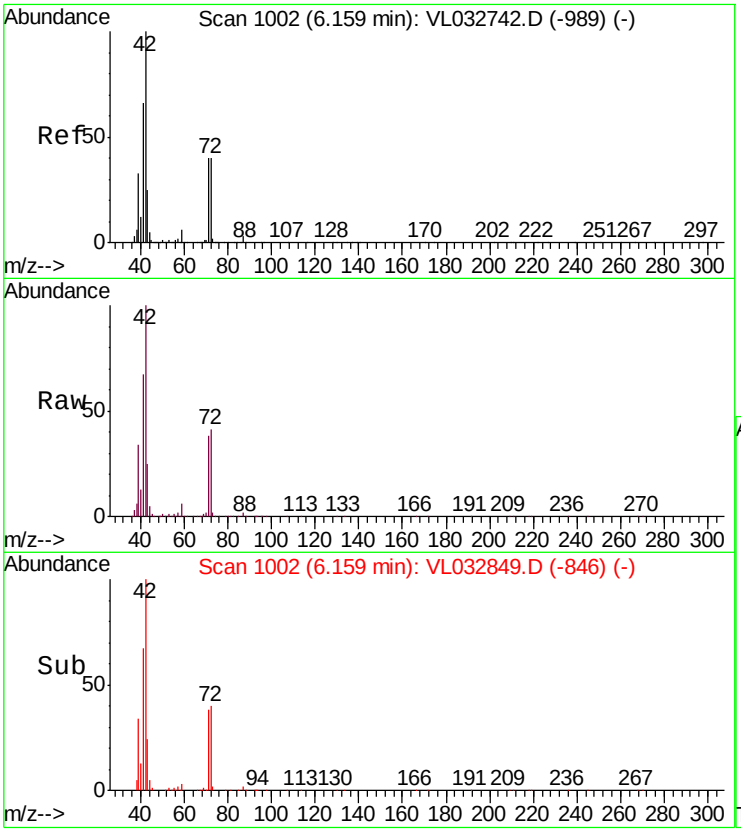


#40
1,4-Dioxane
Concen: 10.162 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 88 Resp: 391360

Ion	Ratio	Lower	Upper
88	100		
58	128.6	105.3	157.9
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#



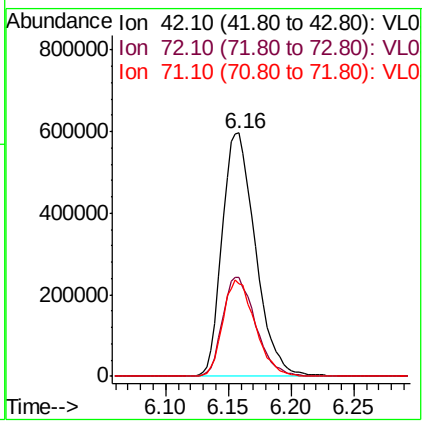


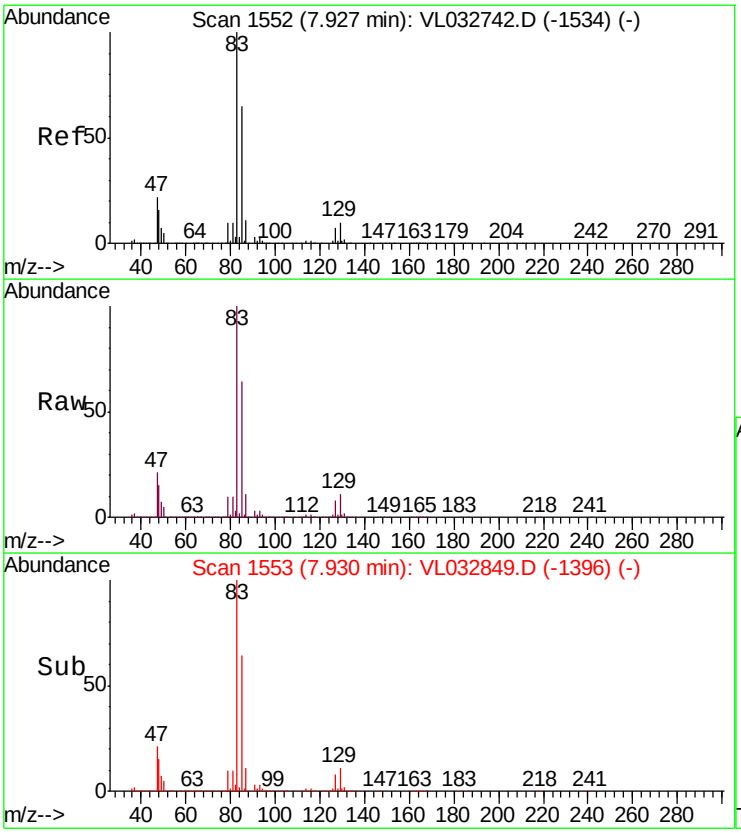
#41
Tetrahydrofuran
Concen: 10.364 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 42 Resp: 1095850

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	38.6	31.6	47.4

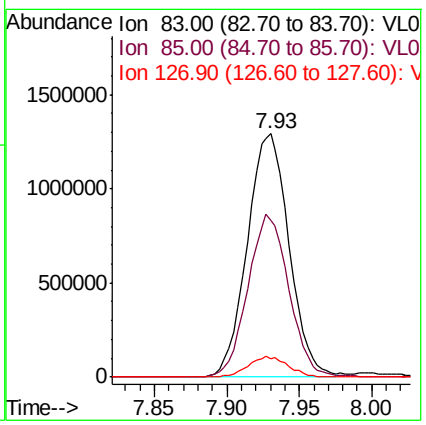


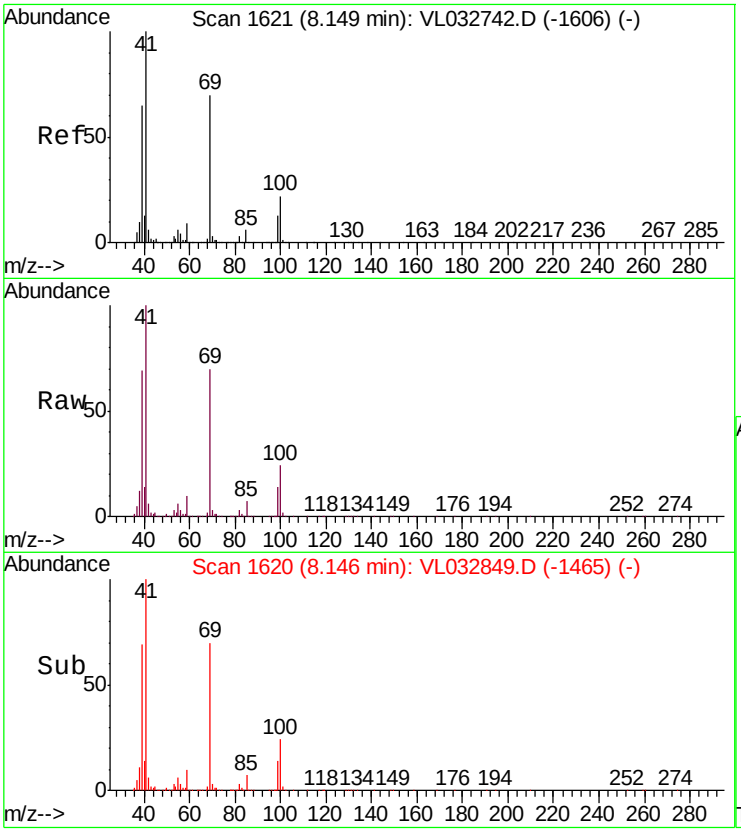


#42
Bromodichloromethane
Concen: 10.053 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 83 Resp: 2596203

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	7.7	5.9	8.9



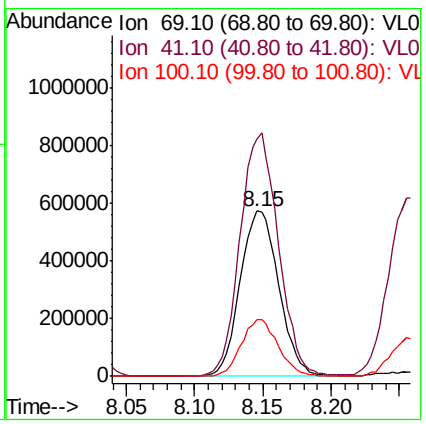


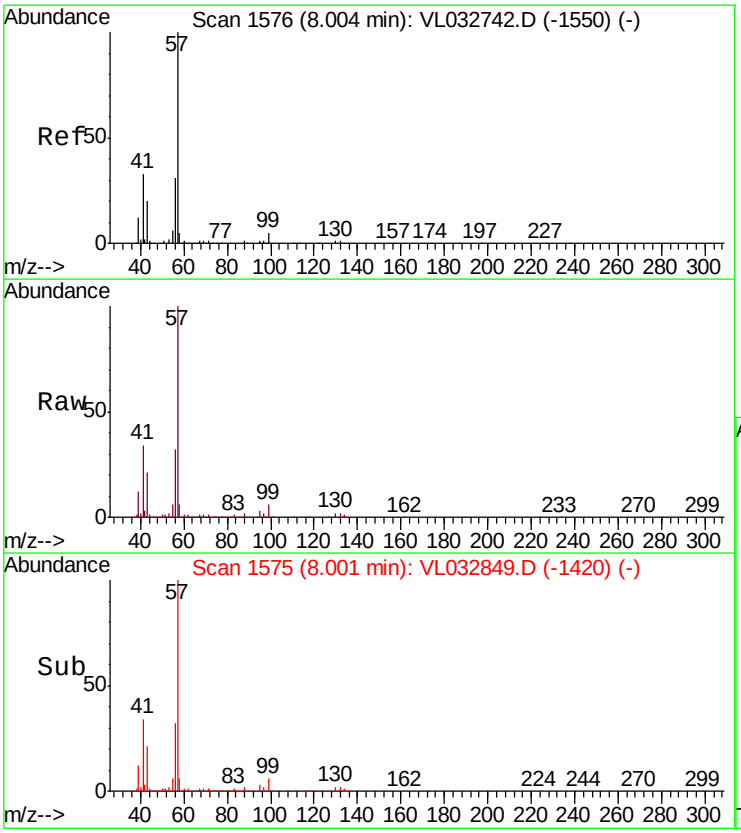
#43
Methyl Methacrylate
Concen: 10.677 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 69 Resp: 1128067

Ion	Ratio	Lower	Upper
69	100		
41	145.8	115.0	172.4
100	32.9	25.4	38.0

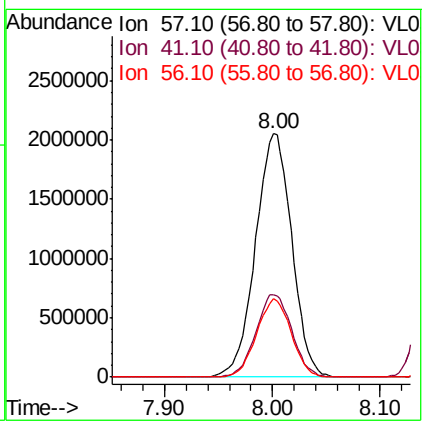


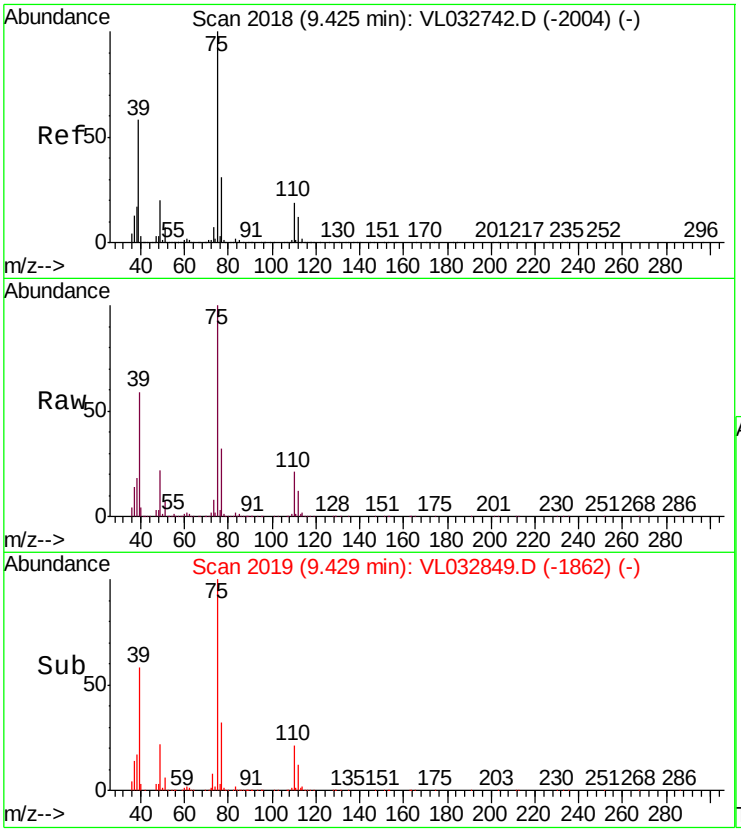


#44
2,2,4-Trimethylpentane
Concen: 10.110 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 57 Resp: 4781111

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.6	39.8
56	30.8	24.8	37.2



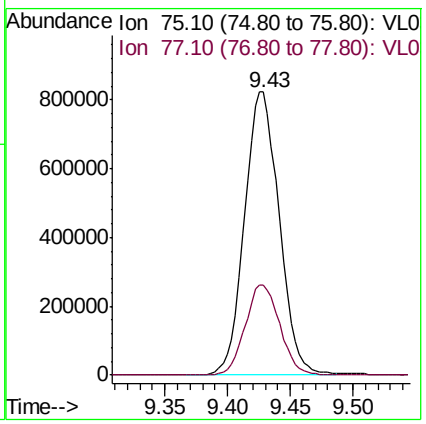


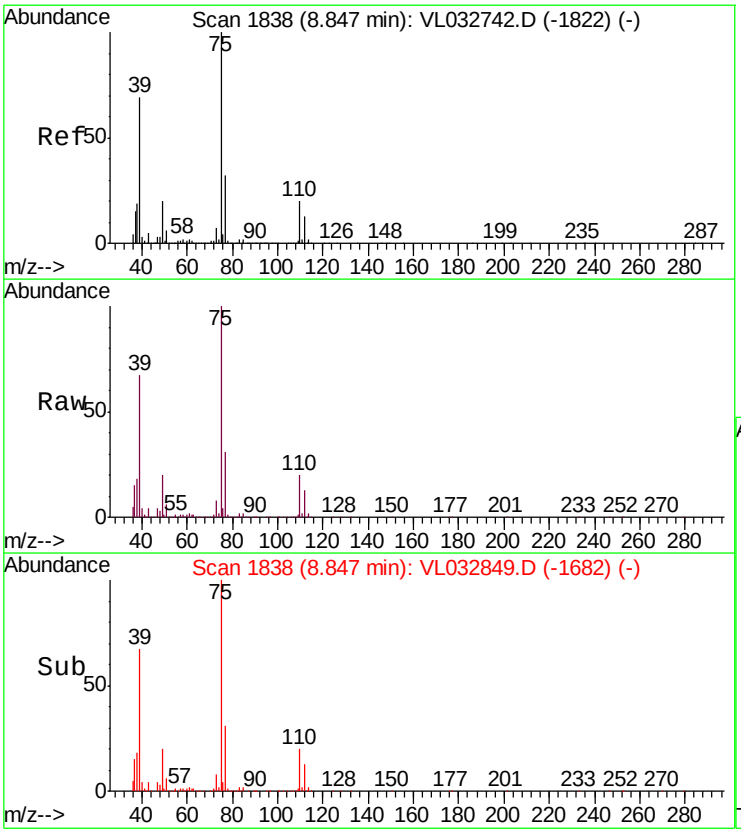
#45
t-1,3-Dichloropropene
Concen: 11.175 ppbv
RT: 9.43 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 75 Resp: 1584309

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8

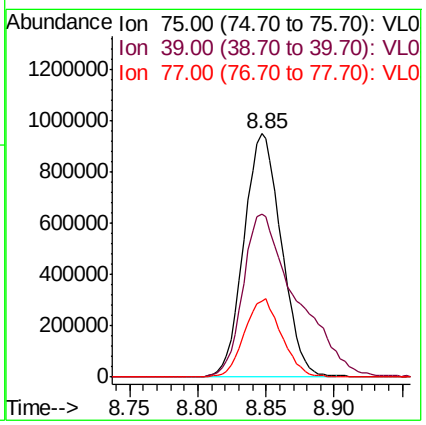


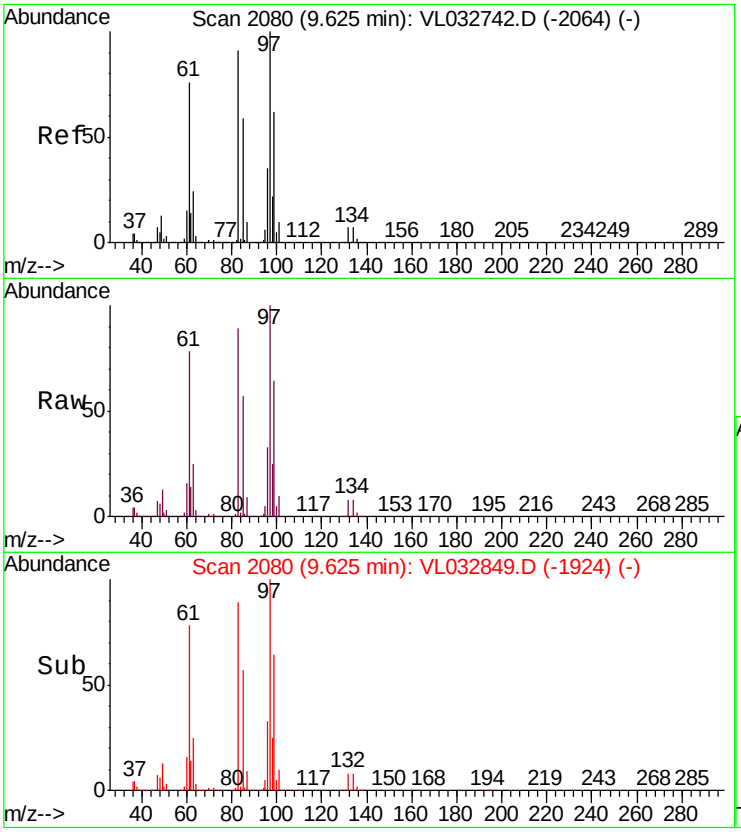


#46
cis-1,3-Dichloropropene
Concen: 10.628 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 75 Resp: 1820336

Ion	Ratio	Lower	Upper
75	100		
39	67.0	55.2	82.8
77	31.1	25.8	38.6



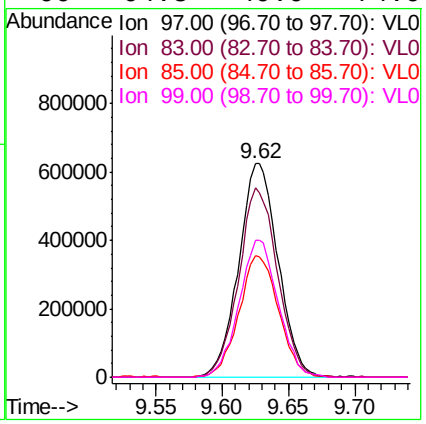


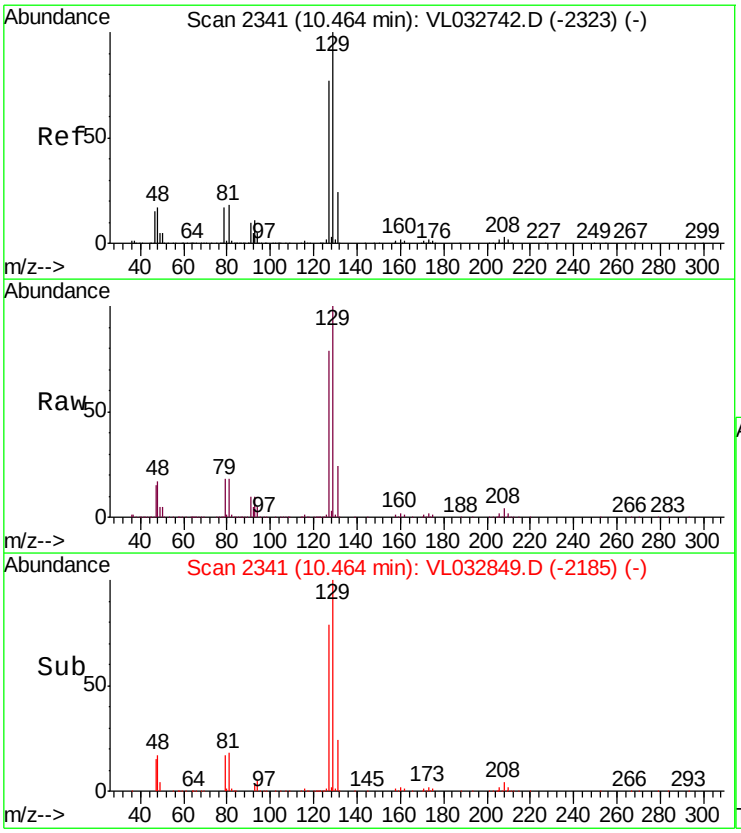
#47
1,1,2-Trichloroethane
Concen: 10.104 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion: 97 Resp: 1288290

Ion	Ratio	Lower	Upper
97	100		
83	88.7	73.0	109.4
85	56.9	47.0	70.4
99	64.3	49.9	74.9

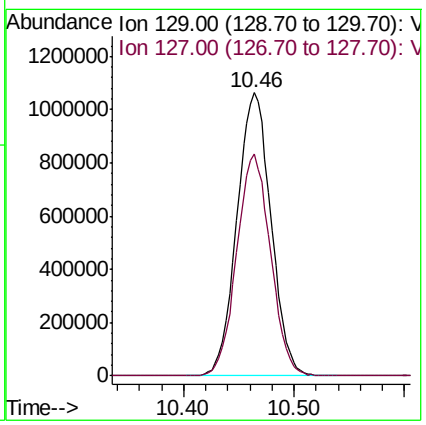


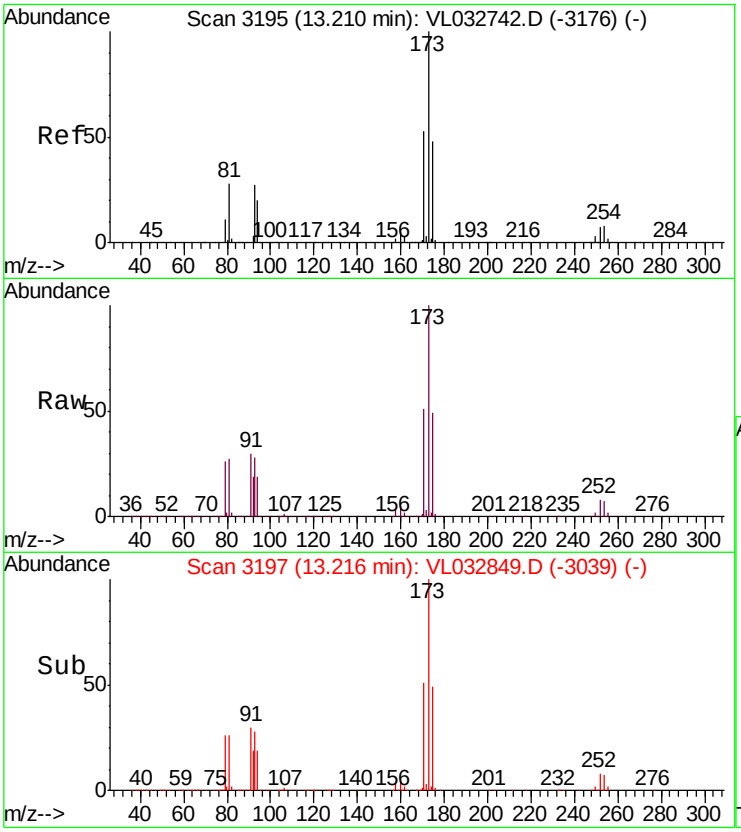


#48
Dibromochloromethane
Concen: 10.486 ppbv
RT: 10.46 min Scan# 2341
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:129 Resp: 2272278

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0



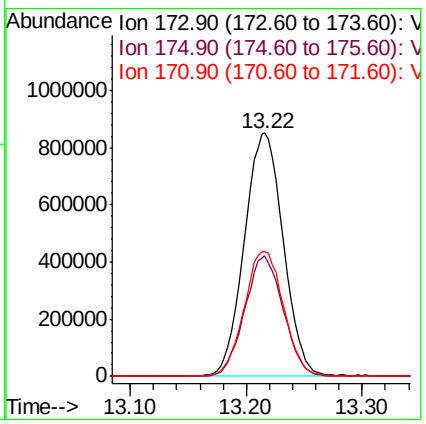


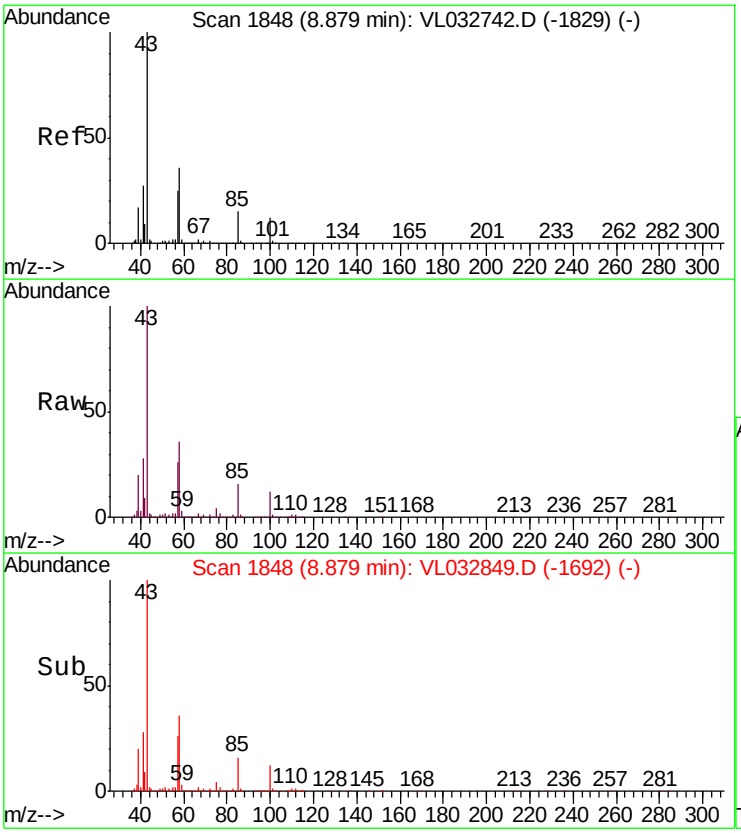
#49
Bromoform
Concen: 11.119 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. 0.01 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:173 Resp: 1989938

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.0
171	51.9	42.0	63.0

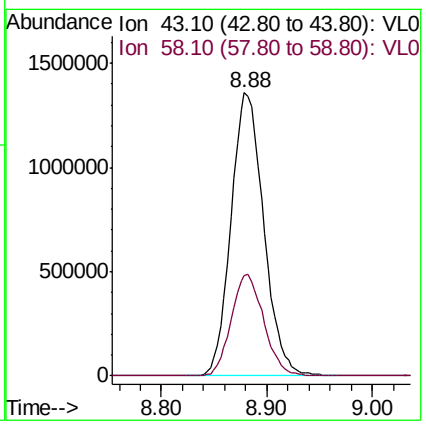


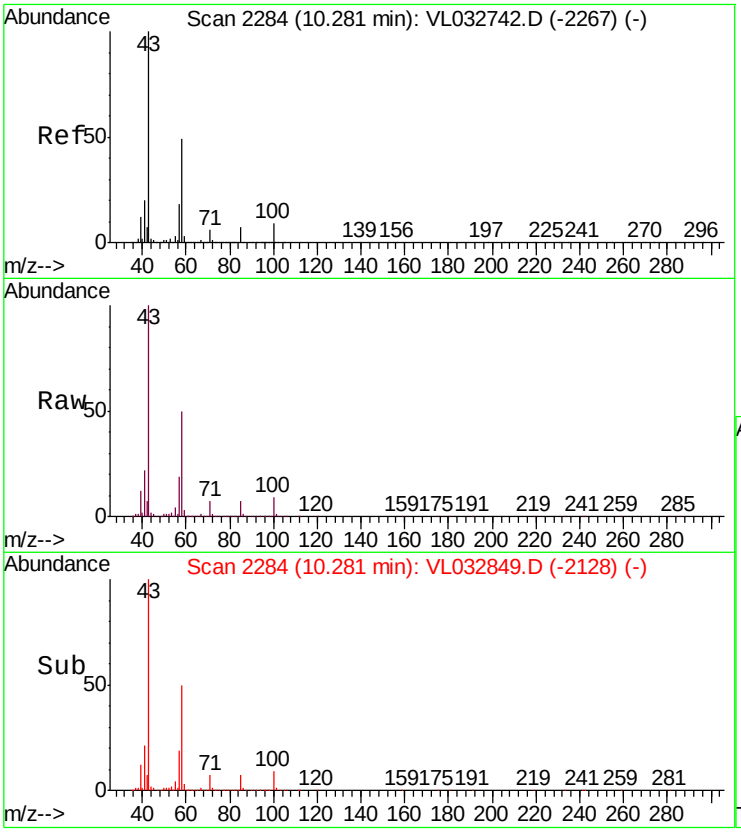


#50
4-Methyl-2-Pentanone
Concen: 10.149 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 43 Resp: 2921925

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.8	43.2



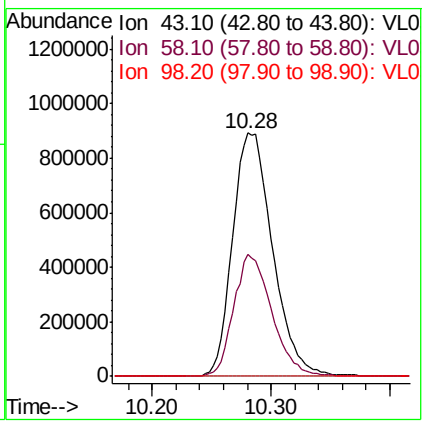


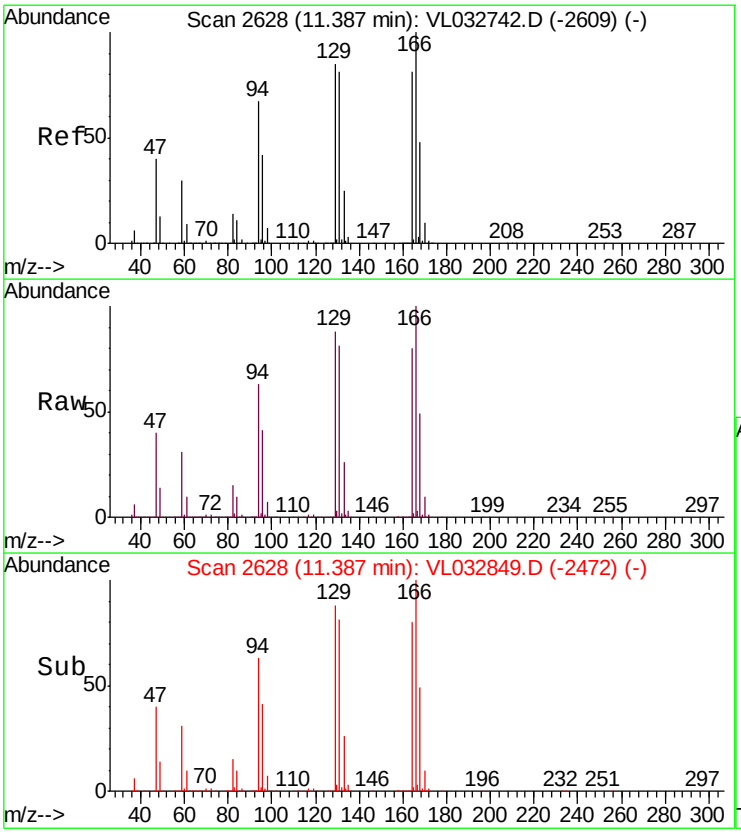
#51
2-Hexanone
Concen: 11.183 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 43 Resp: 2074272

Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.9	58.3
98	0.3	0.2	0.4

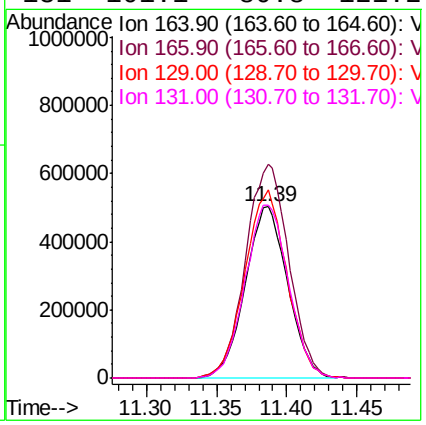


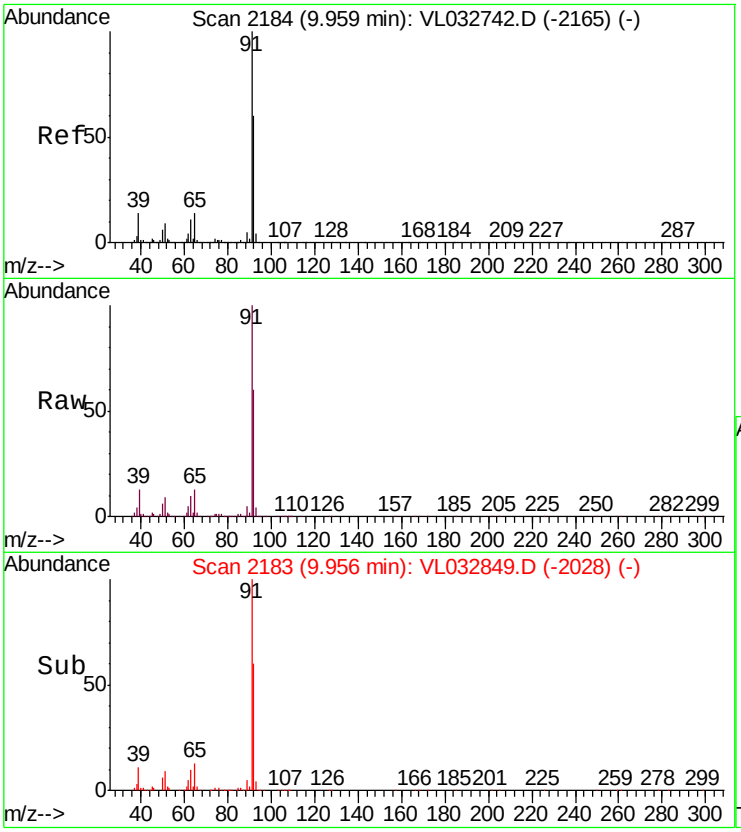


#52
Tetrachloroethene
Concen: 10.725 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:164 Resp: 1055823

Ion	Ratio	Lower	Upper
164	100		
166	124.9	99.3	148.9
129	109.8	83.9	125.9
131	101.1	80.8	121.2



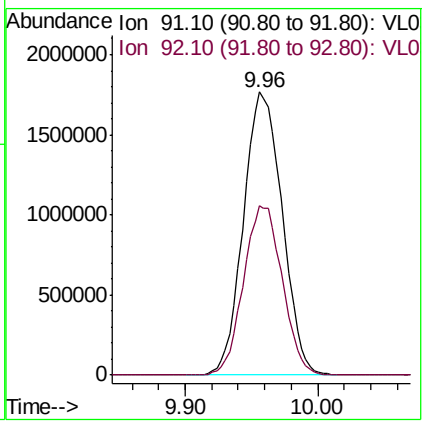


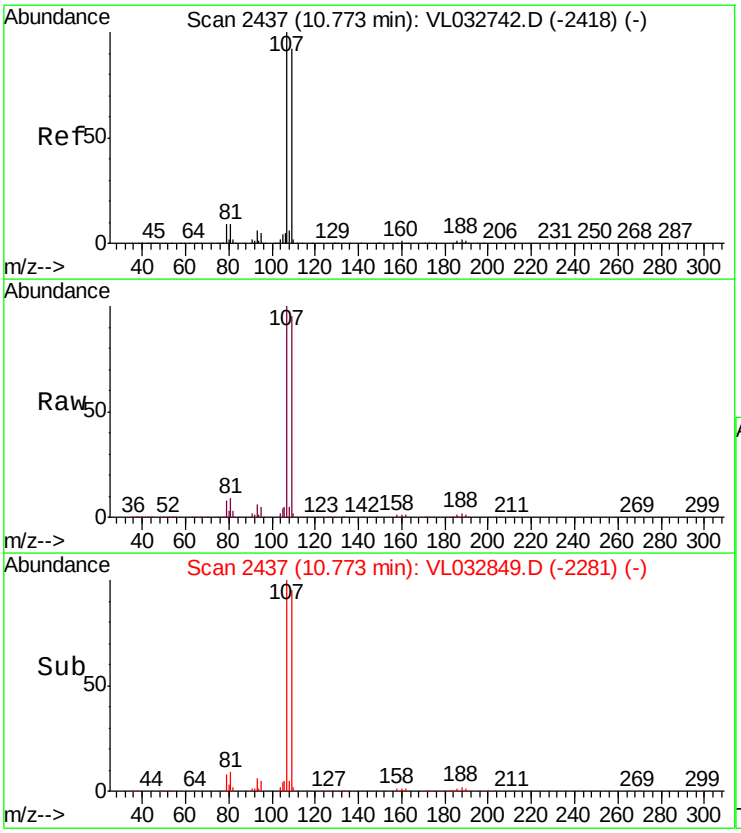
#53
Toluene
Concen: 12.173 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 91 Resp: 3594039

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.9	71.9

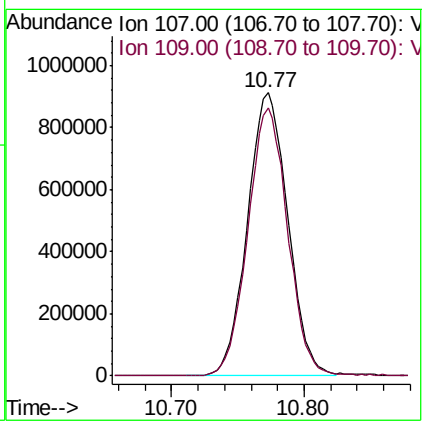


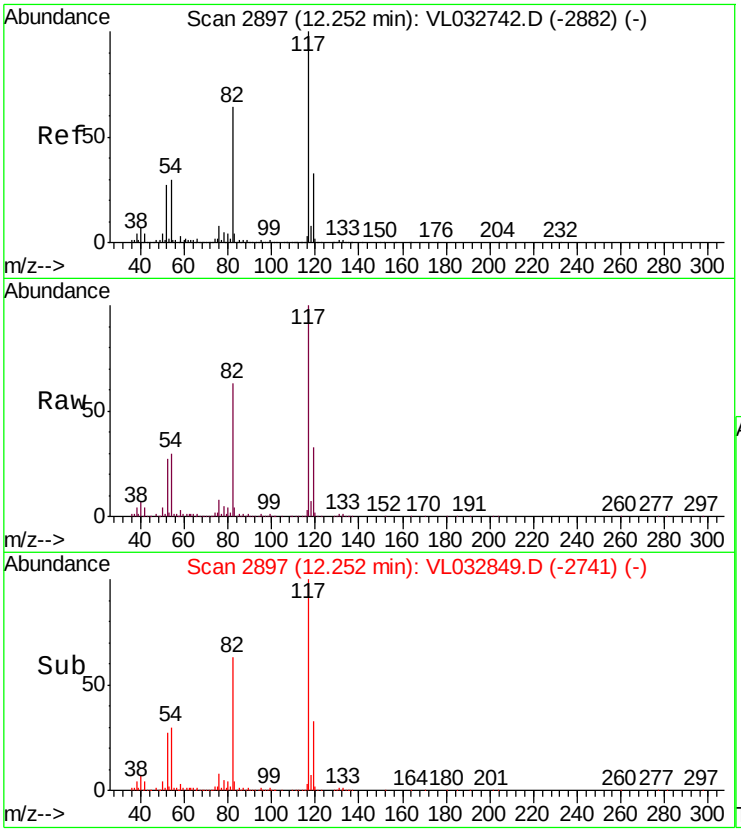


#54
1,2-Dibromoethane
Concen: 10.717 ppbv
RT: 10.77 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:107 Resp: 1931539

Ion	Ratio	Lower	Upper
107	100		
109	94.9	73.8	110.8



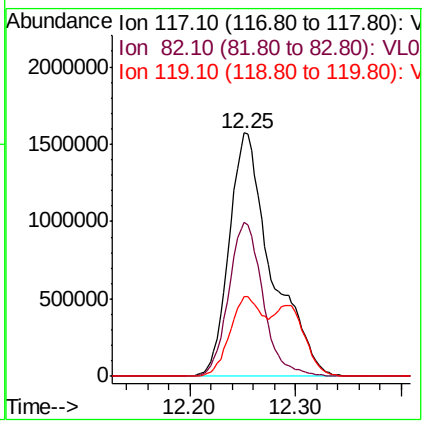


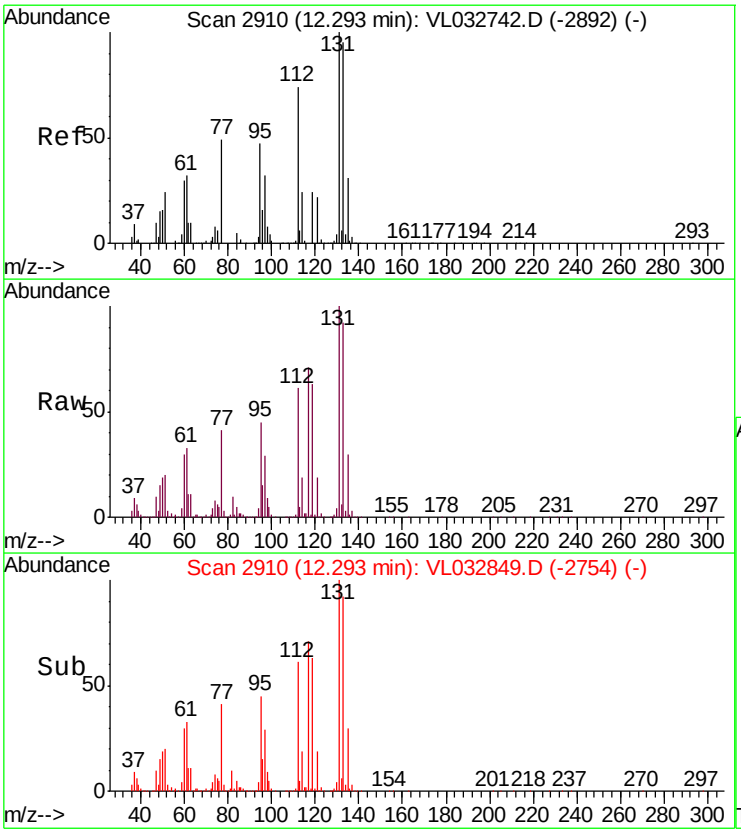
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:117 Resp: 4392445

Ion	Ratio	Lower	Upper
117	100		
82	51.2	51.0	76.6
119	24.2	28.0	42.0#

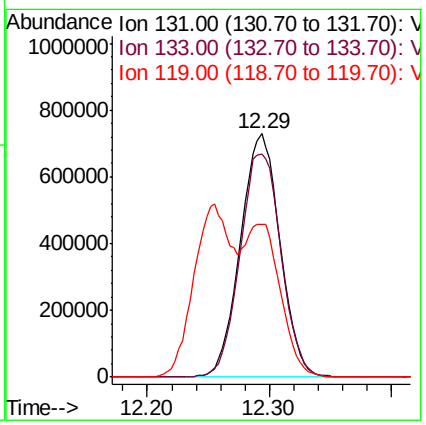


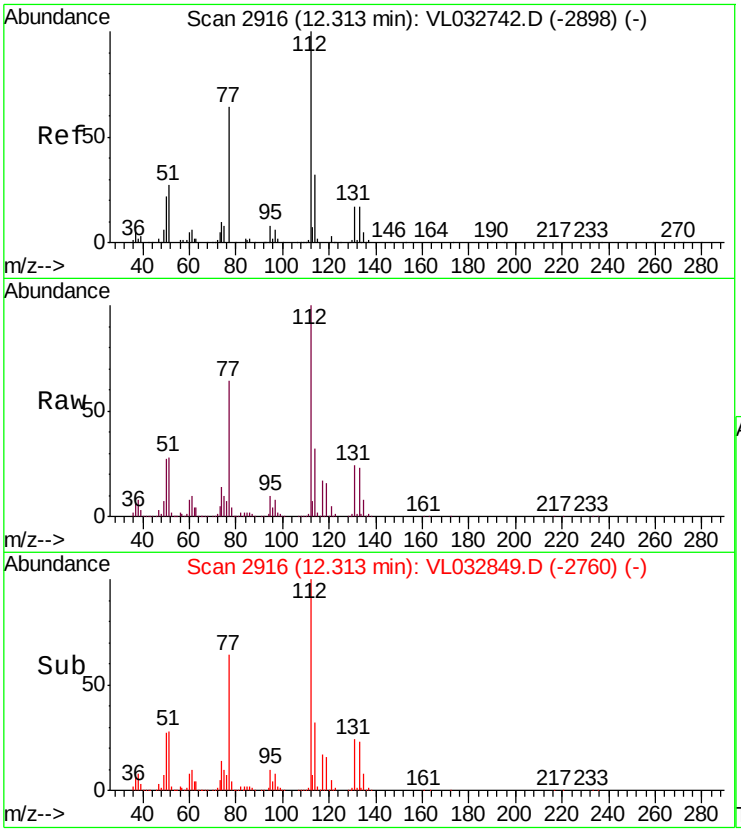


#56
1,1,1,2-Tetrachloroethane
Concen: 7.968 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:131 Resp: 1632335

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	58.7	45.2	67.8



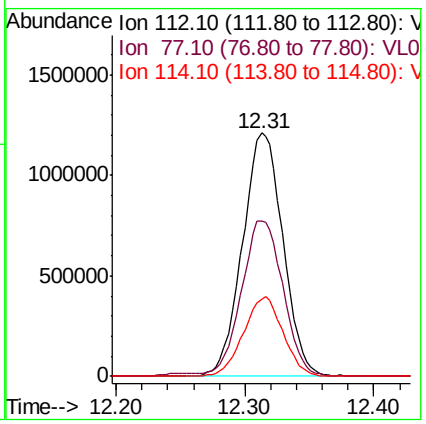


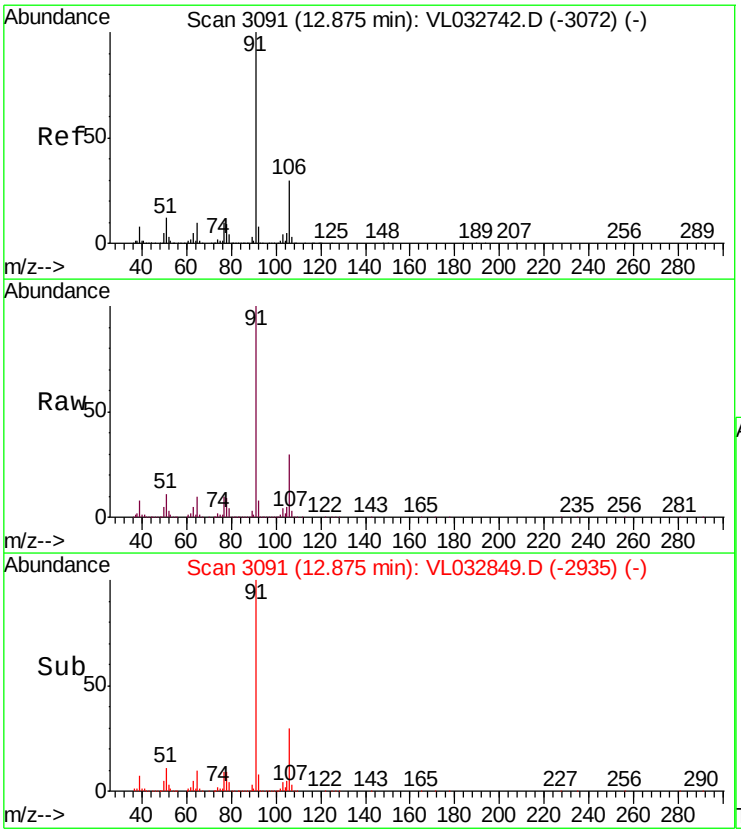
#57
Chlorobenzene
Concen: 7.864 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:112 Resp: 2644308

Ion	Ratio	Lower	Upper
112	100		
77	63.4	52.3	78.5
114	31.9	28.4	34.8

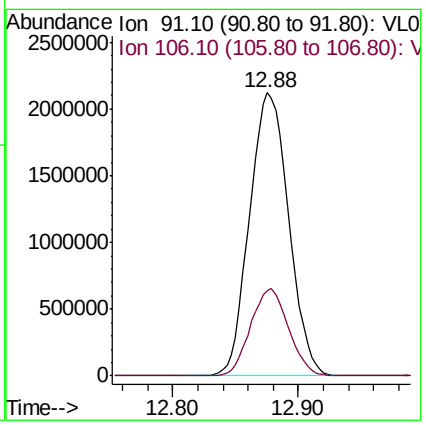


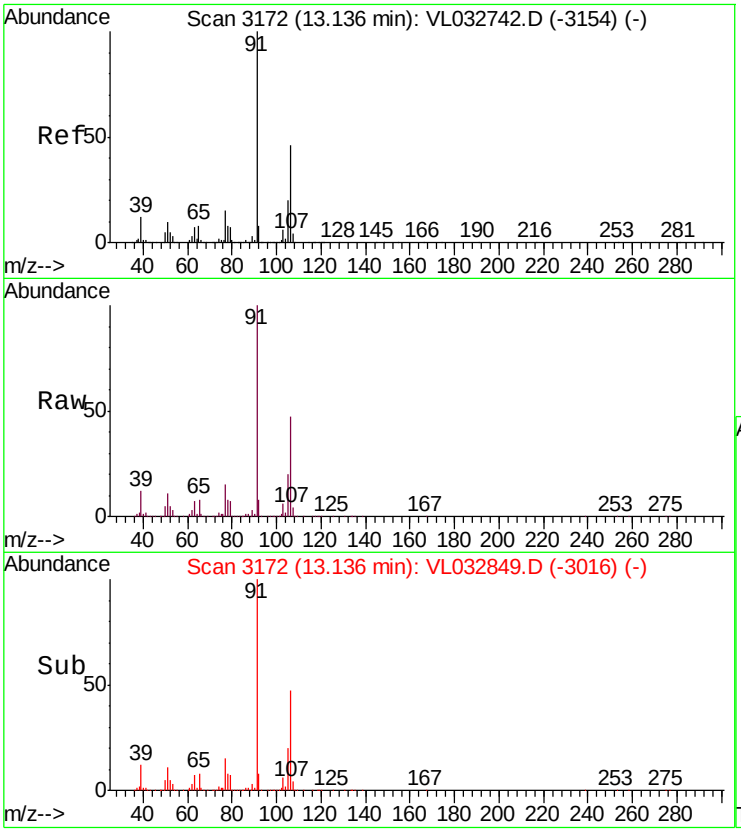


#58
Ethyl Benzene
Concen: 8.717 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 4607935

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.6	35.4



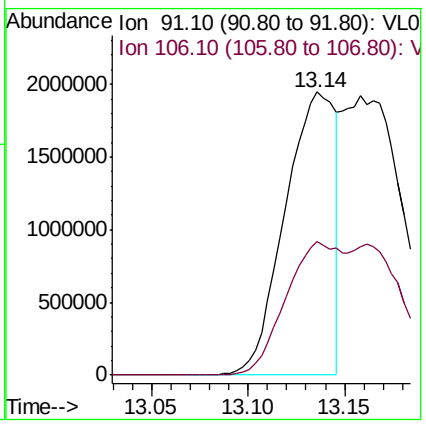


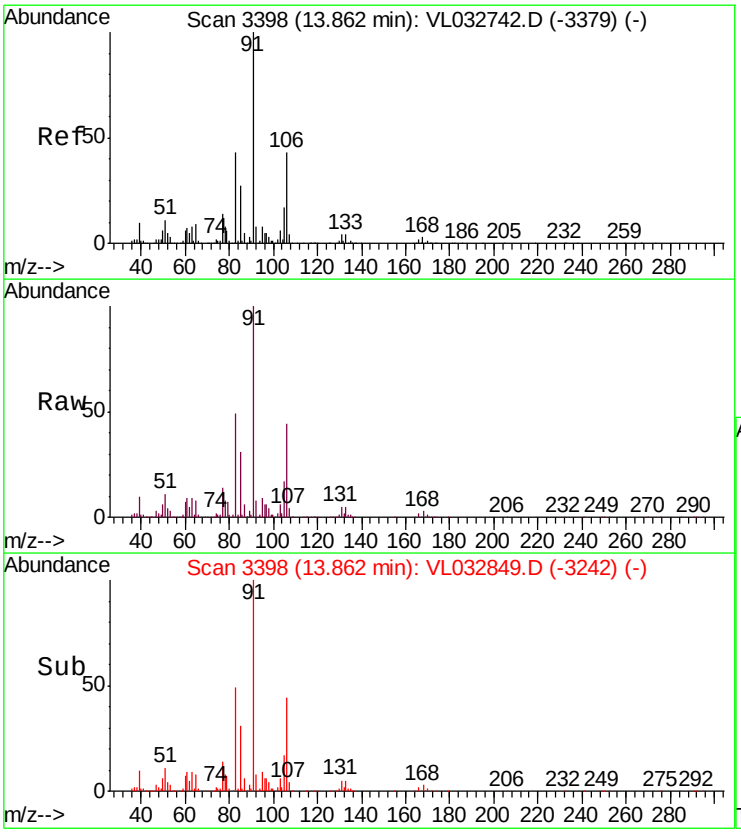
#59
m/p-Xylene
Concen: 7.467 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 91 Resp: 3513956

Ion	Ratio	Lower	Upper
91	100		
106	101.0	36.1	54.1#

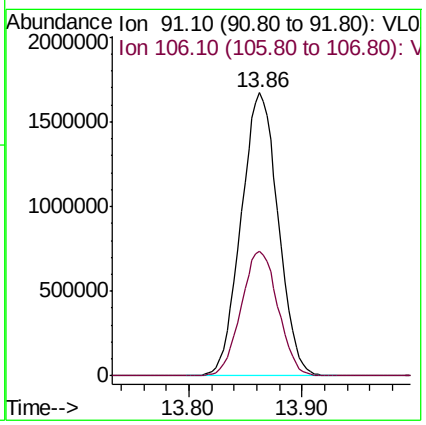


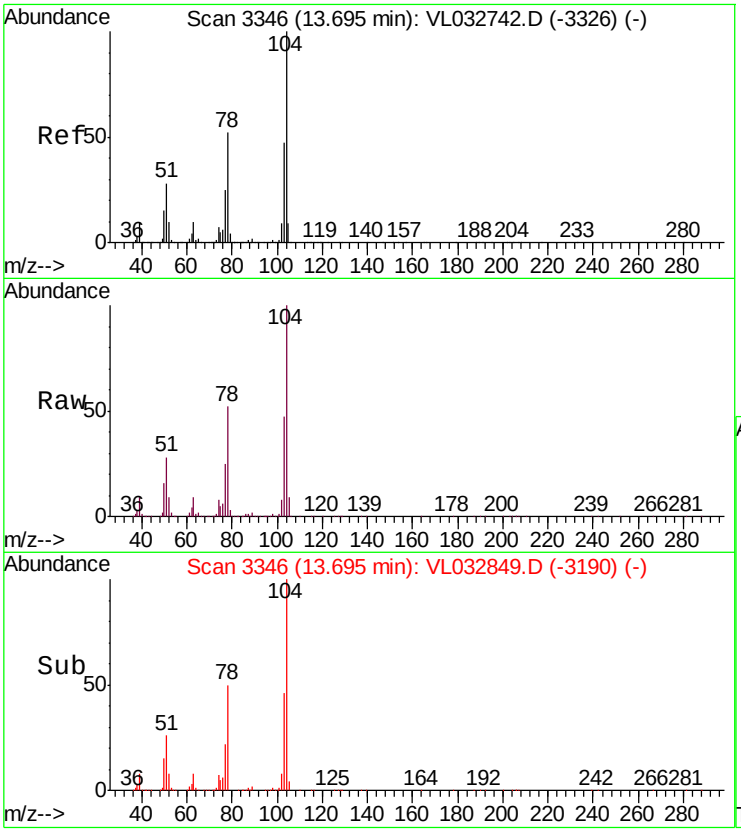


#60
o-Xylene
Concen: 8.041 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 3804893

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.9	65.7



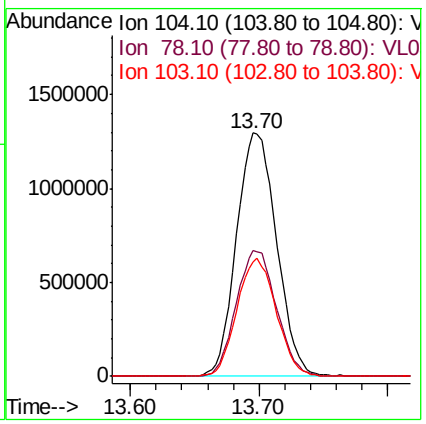


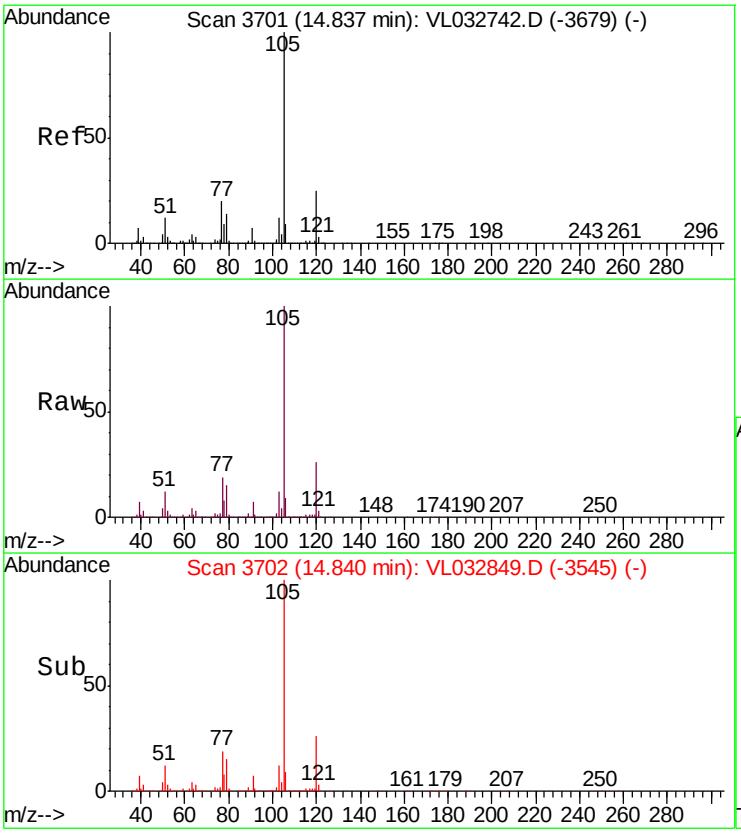
#61
Styrene
Concen: 9.126 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:104 Resp: 2811120

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.2	63.4
103	47.4	38.2	57.2

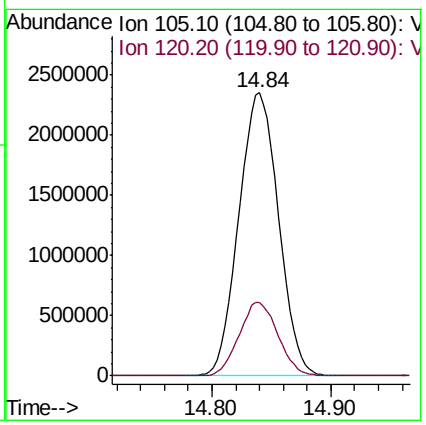


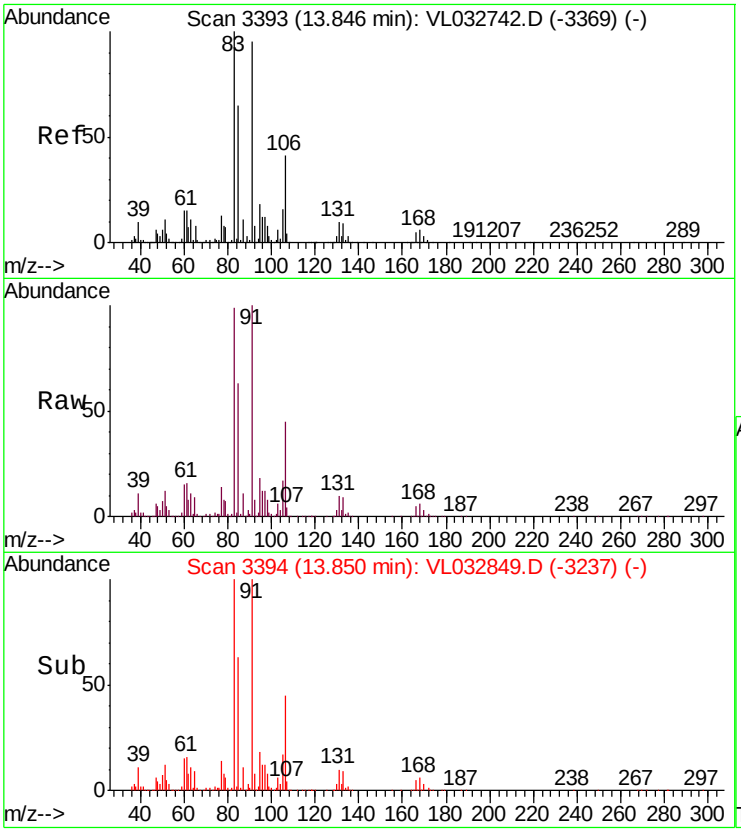


#62
Isopropylbenzene
Concen: 8.492 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:105 Resp: 5431029

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1



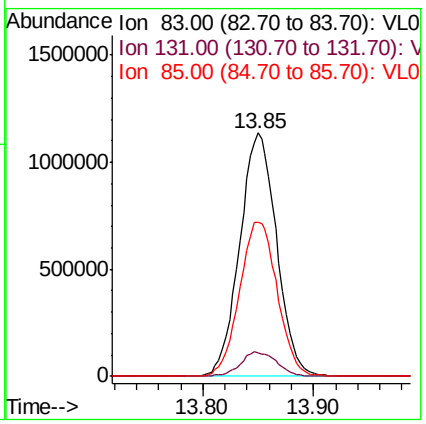


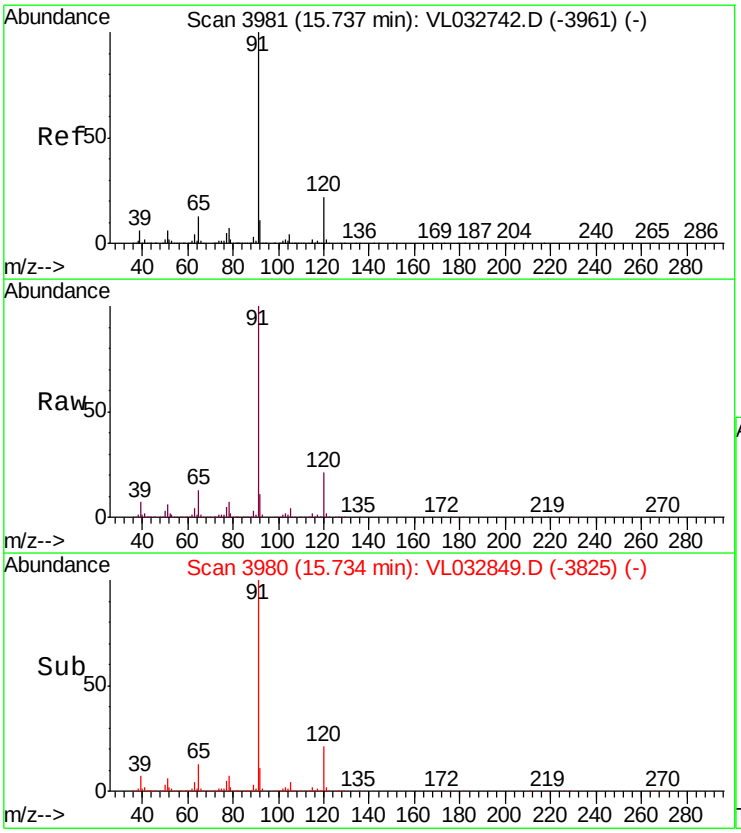
#63
1,1,2,2-Tetrachloroethane
Concen: 7.119 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 83 Resp: 2625760

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	65.3	32.5	97.4

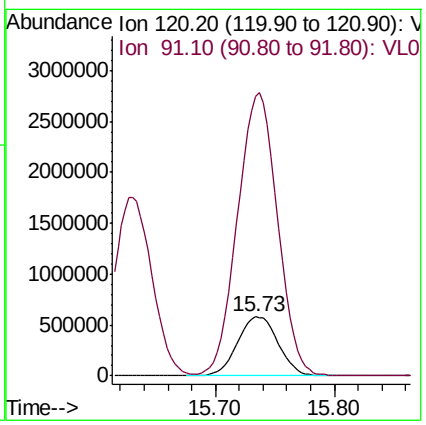


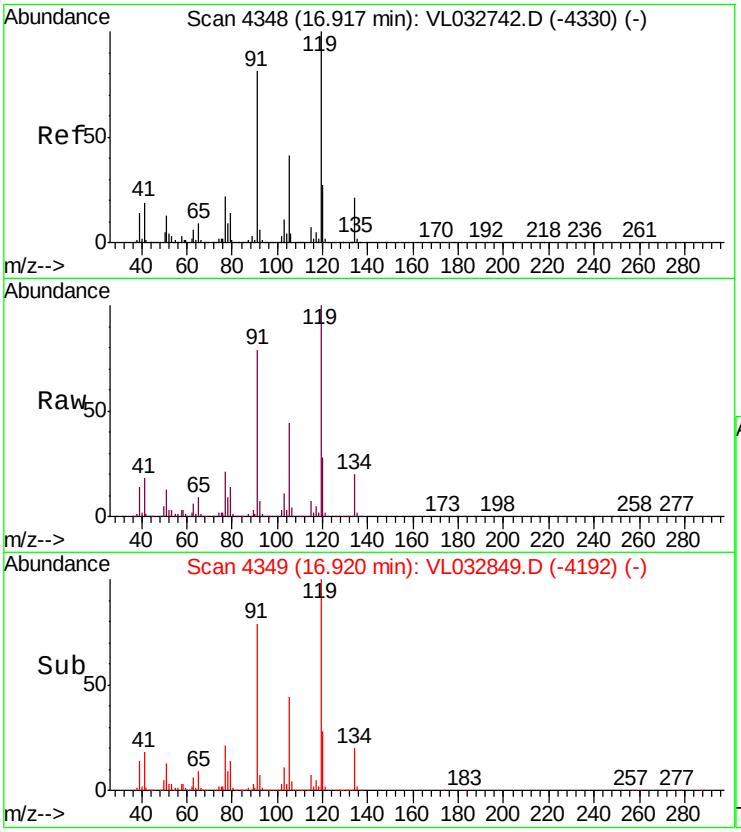


#64
n-propylbenzene
Concen: 8.180 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:120 Resp: 1376029

Ion	Ratio	Lower	Upper
120	100		
91	471.8	381.7	572.5



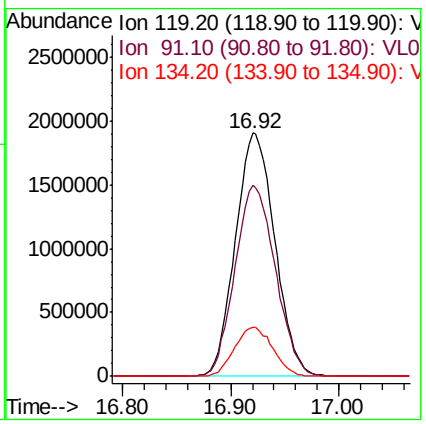


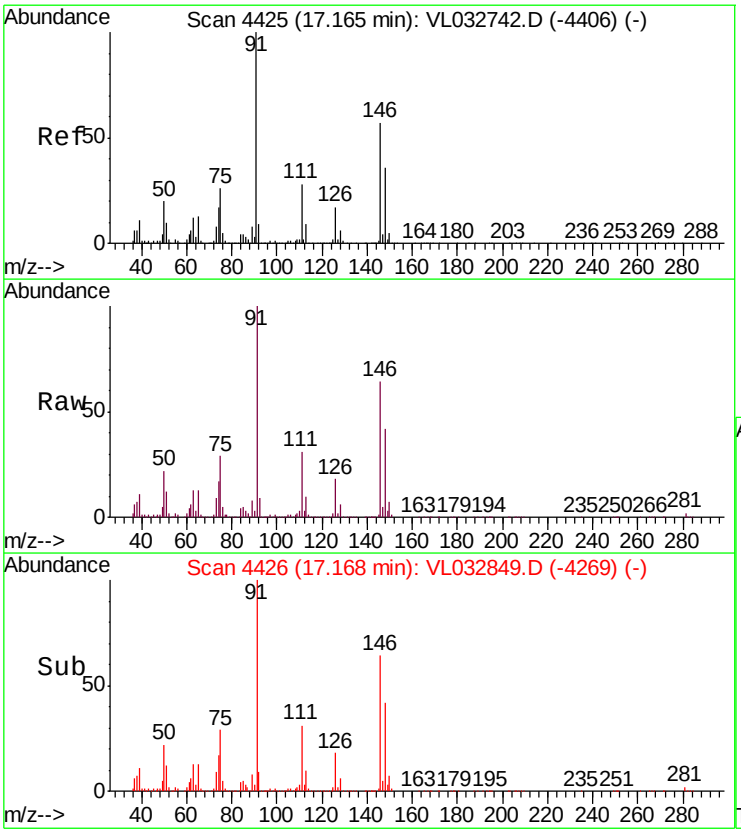
#65
tert-Butylbenzene
Concen: 8.455 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:119 Resp: 4847538

Ion	Ratio	Lower	Upper
119	100		
91	80.8	65.6	98.4
134	19.7	15.9	23.9

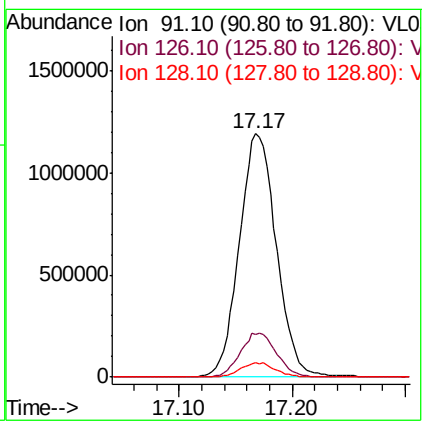


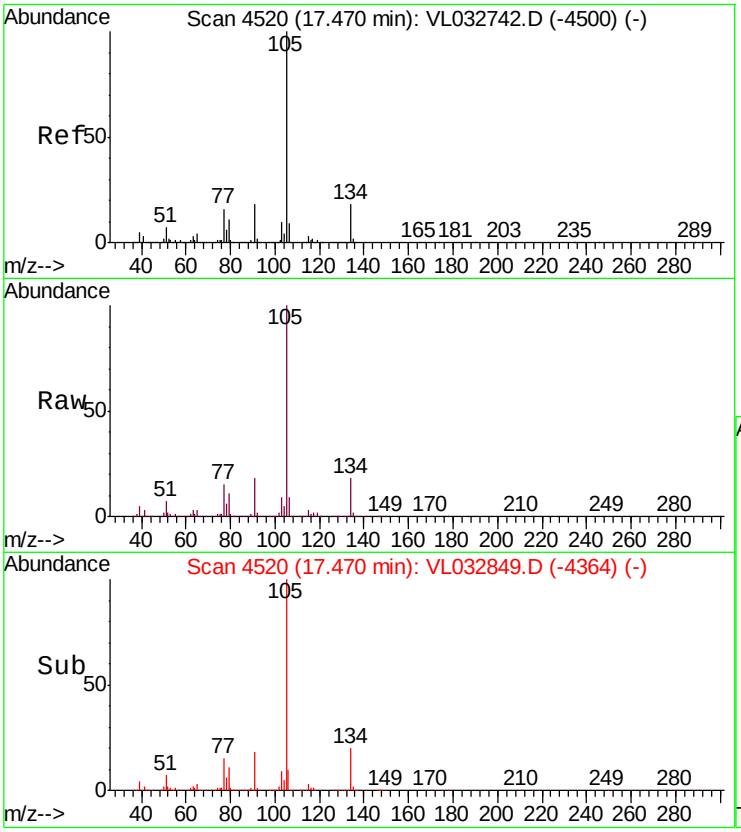


#66
Benzyl Chloride
Concen: 8.532 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 2704384

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.2	21.2
128	5.6	4.5	6.7



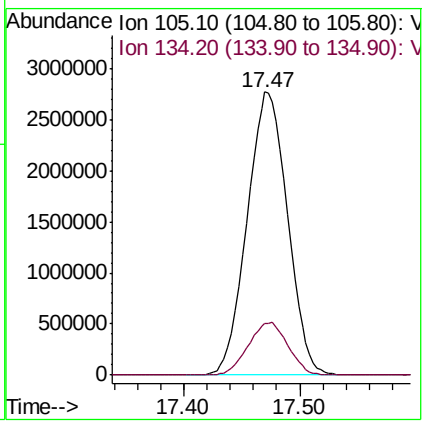


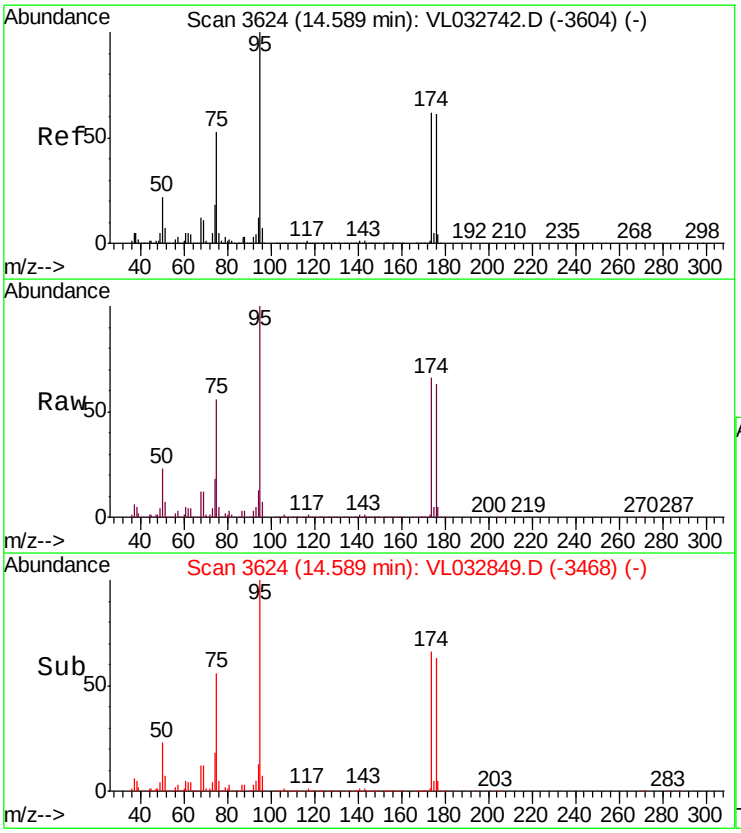
#67
sec-Butylbenzene
Concen: 8.094 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:105 Resp: 6687507

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

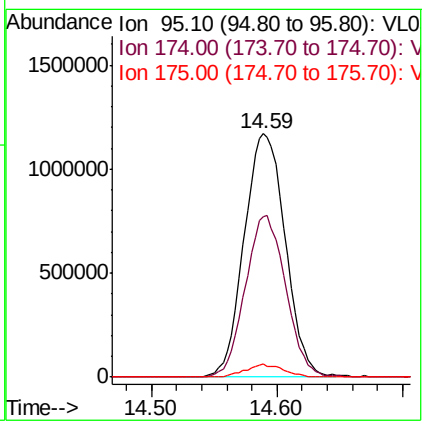


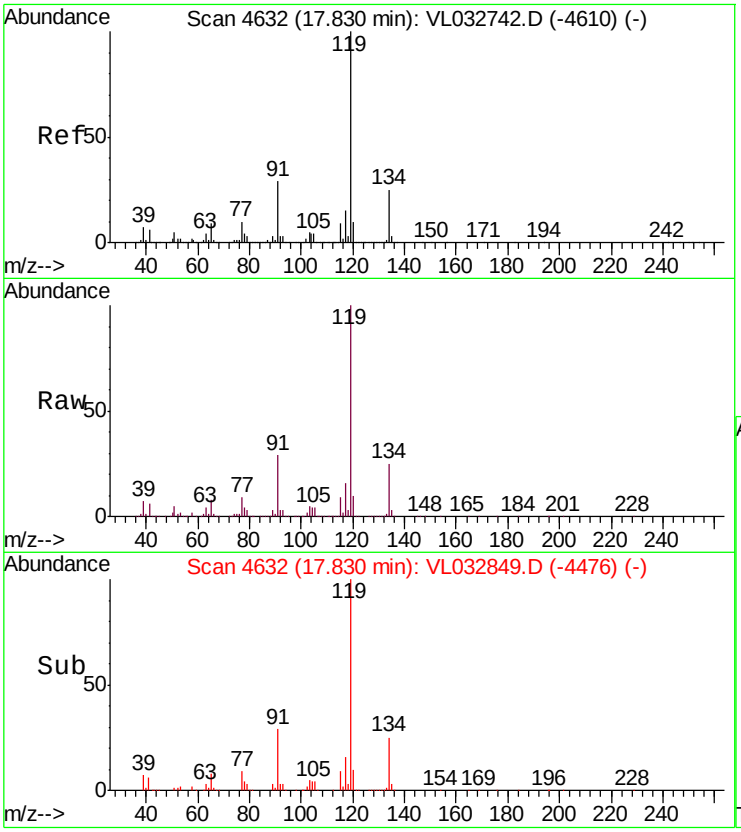


#68
1-Bromo-4-Fluorobenzene
Concen: 8.113 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 95 Resp: 2665525

Ion	Ratio	Lower	Upper
95	100		
174	65.4	50.7	76.1
175	4.8	3.8	5.6



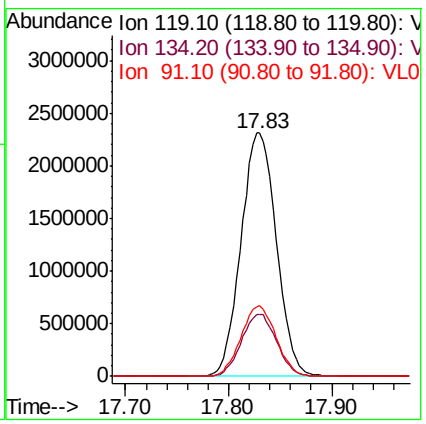


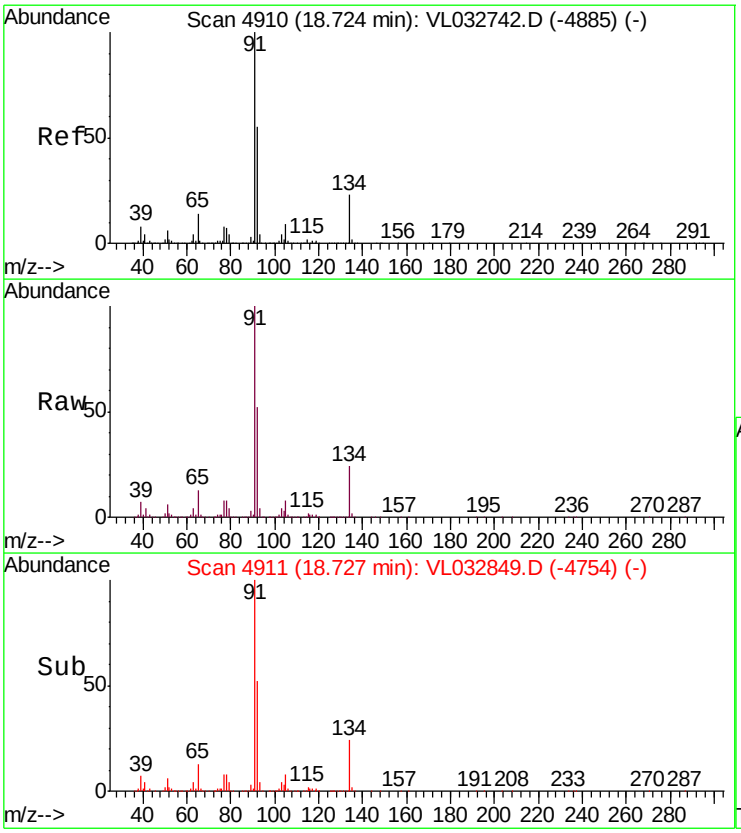
#69
p-Isopropyltoluene
Concen: 8.363 ppbv
RT: 17.83 min Scan# 4632
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:119 Resp: 5494555

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	28.7	23.5	35.3

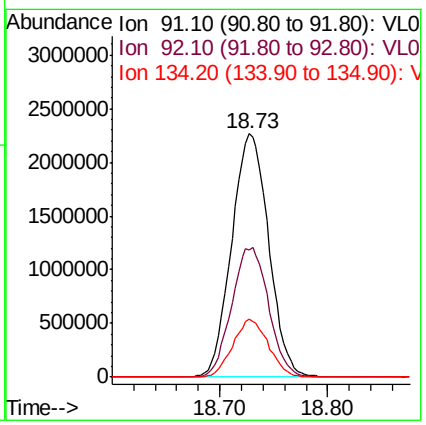


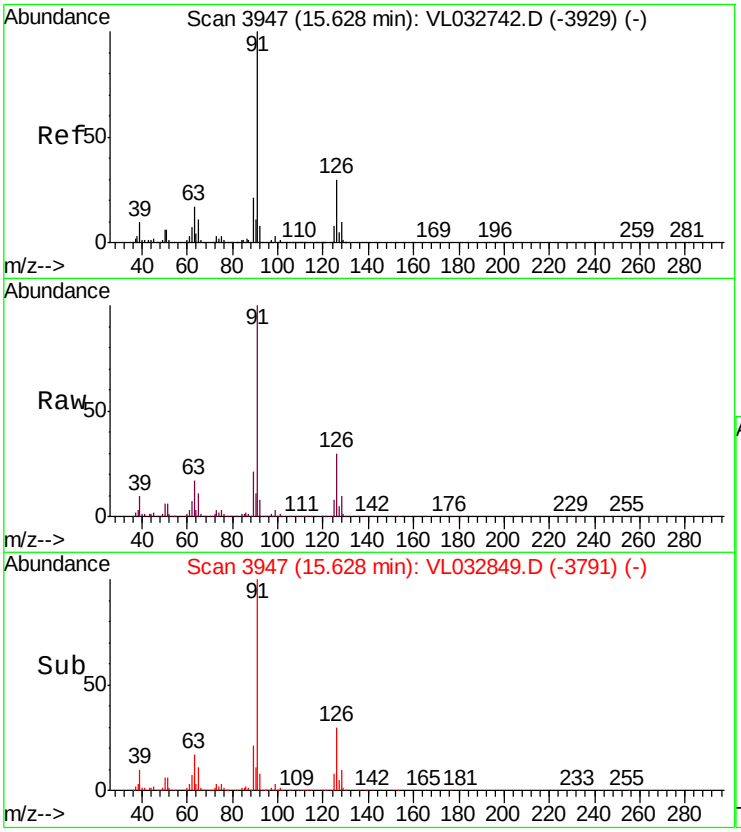


#70
n-Butylbenzene
Concen: 8.101 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 5403917

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.9	64.3
134	23.0	17.8	26.8



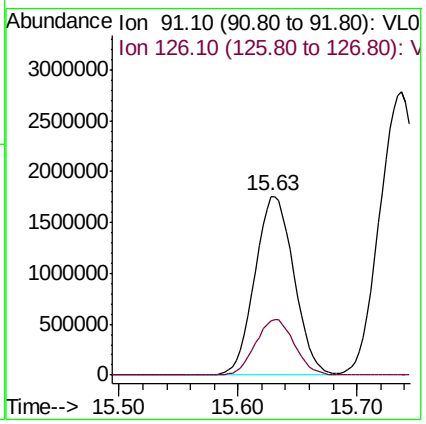


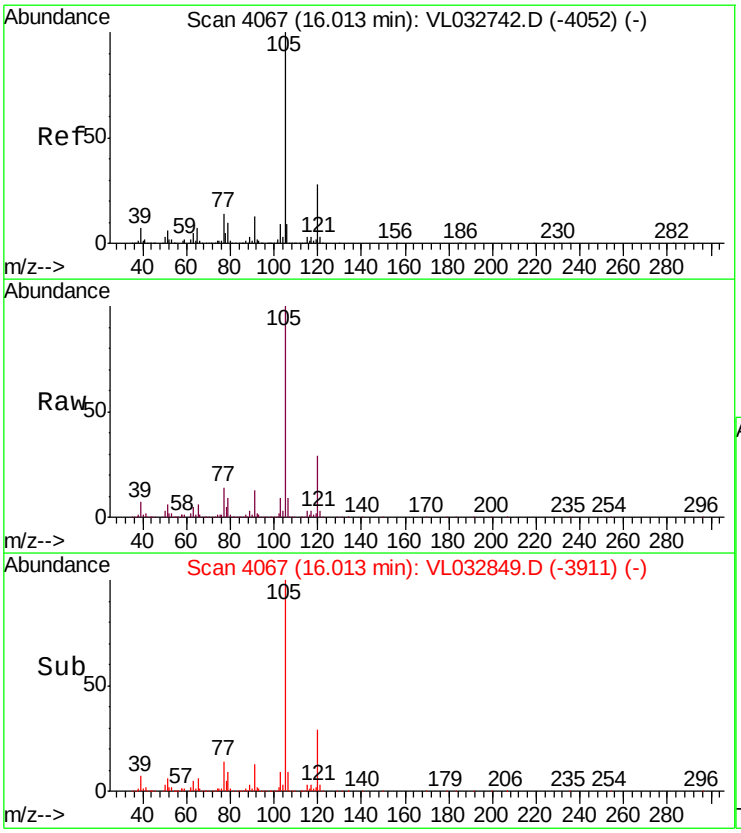
#71
2-Chlorotoluene
Concen: 8.382 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion: 91 Resp: 3997986

Ion	Ratio	Lower	Upper
91	100		
126	30.9	12.1	48.5

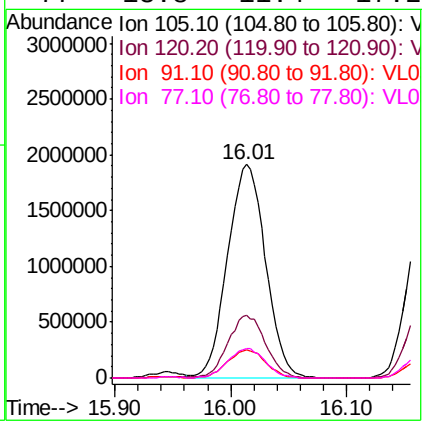


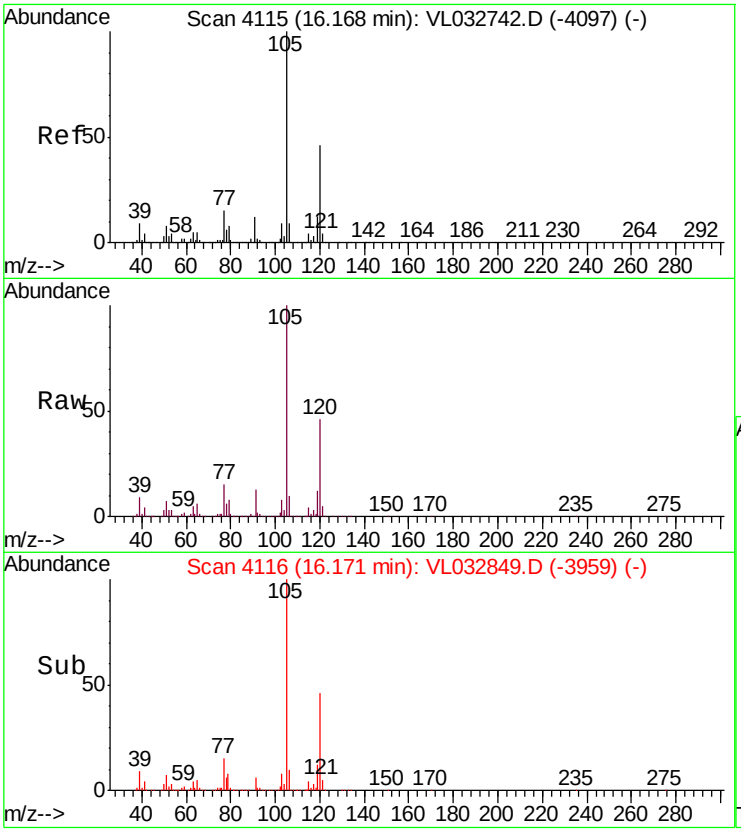


#72
4-Ethyltoluene
Concen: 8.366 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:105 Resp: 4339096

Ion	Ratio	Lower	Upper
105	100		
120	29.8	22.9	34.3
91	13.3	10.6	15.8
77	13.8	11.4	17.2



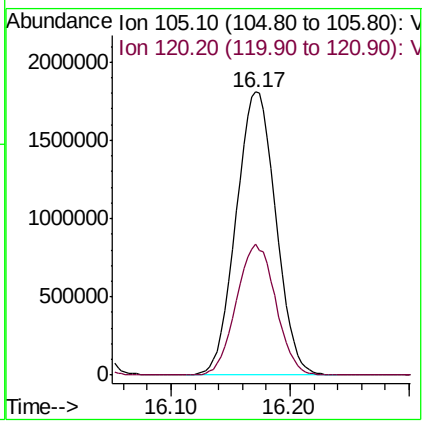


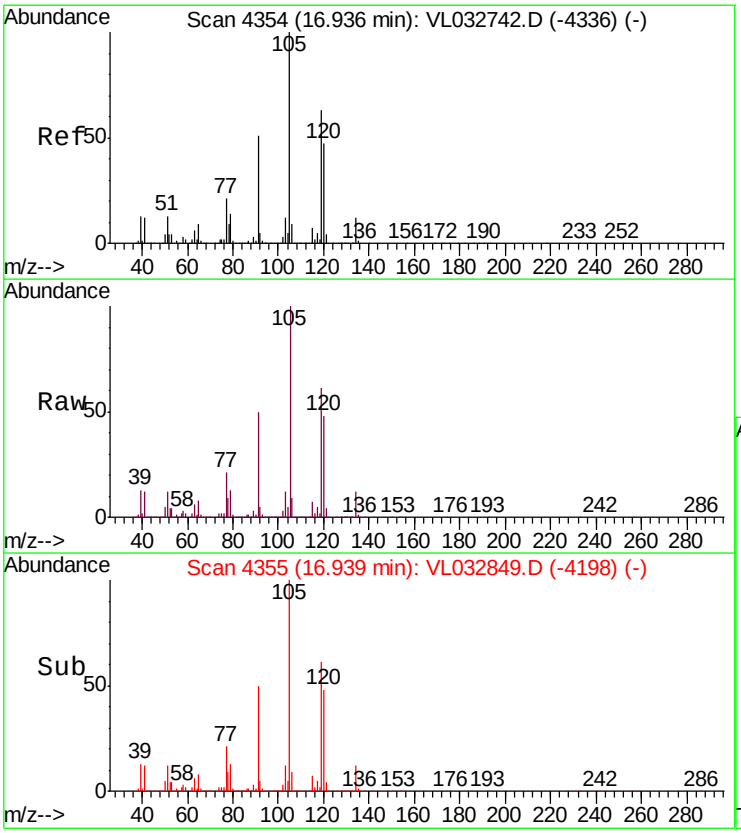
#73
1,3,5-Trimethylbenzene
Concen: 8.218 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:105 Resp: 4167359

Ion	Ratio	Lower	Upper
105	100		
120	46.2	36.6	55.0

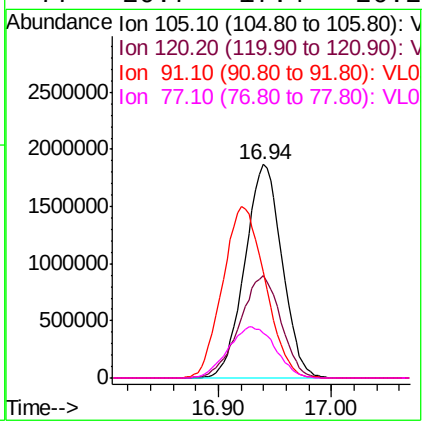


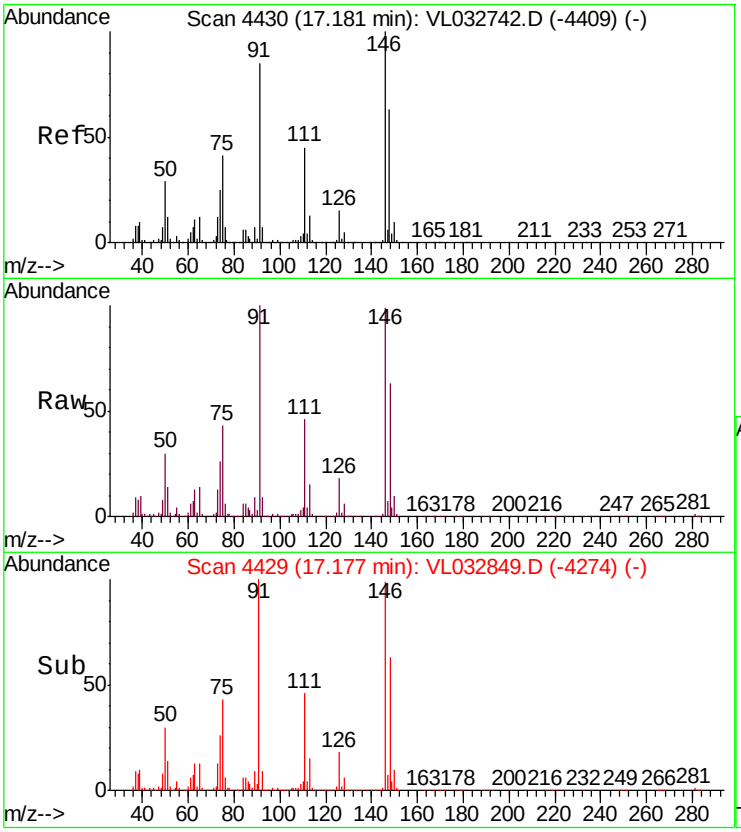


#74
1,2,4-Trimethylbenzene
Concen: 7.875 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:105 Resp: 4273235

Ion	Ratio	Lower	Upper
105	100		
120	47.9	37.6	56.4
91	49.5	42.5	63.7
77	20.7	17.4	26.2



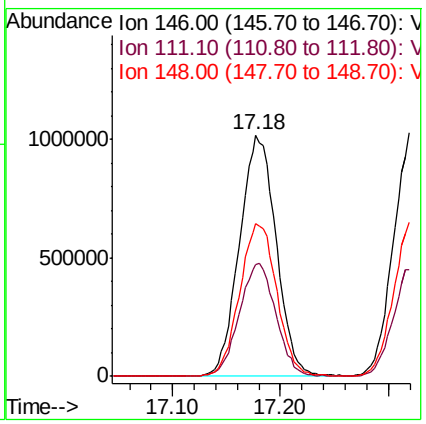


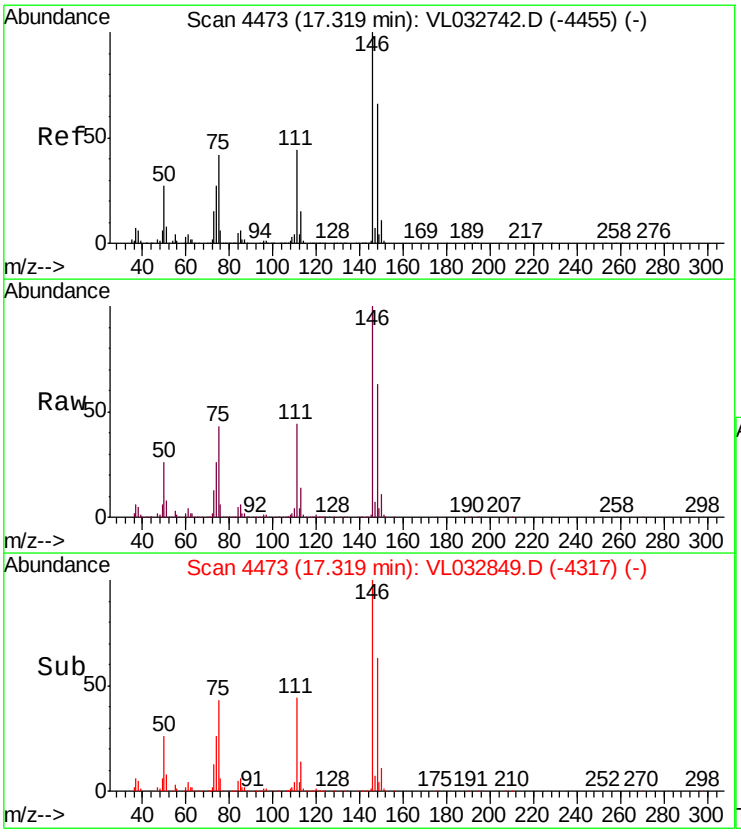
#75
1,3-Dichlorobenzene
Concen: 7.696 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument : MSVOA_L
ClientSampleId : VL1130ABS01

Tgt Ion:146 Resp: 2395295

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.6
148	64.1	31.8	95.3

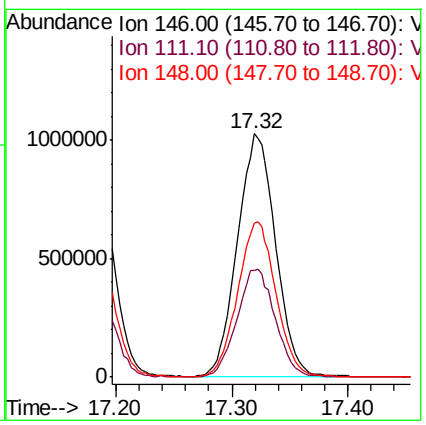


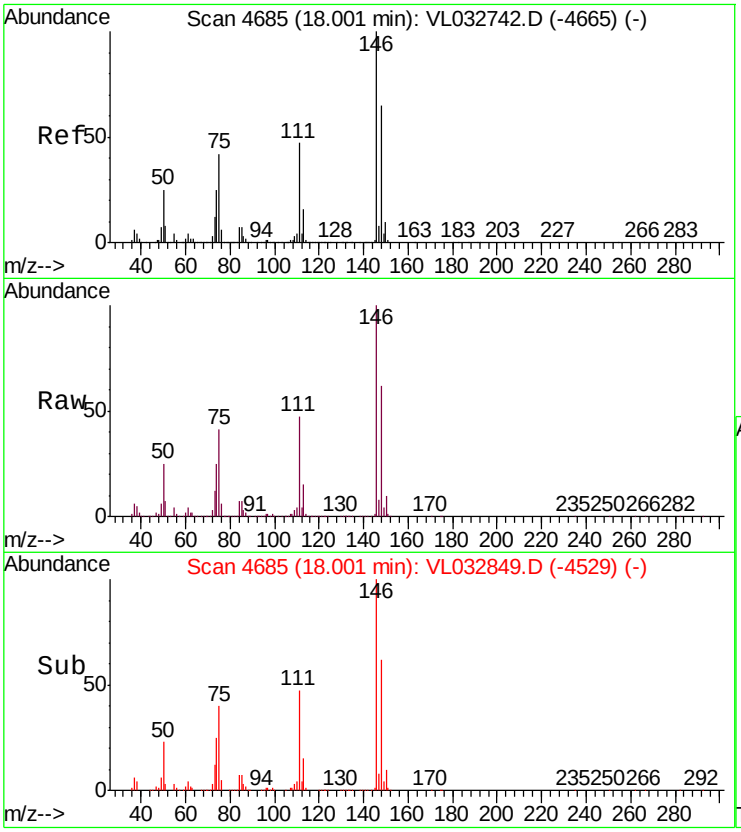


#76
1,4-Dichlorobenzene
Concen: 8.029 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:146 Resp: 2334393

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.5	67.5
148	64.3	32.5	97.5



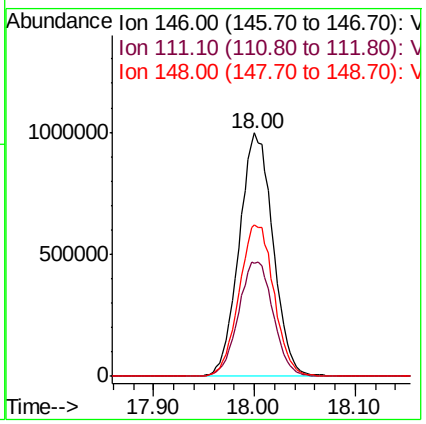


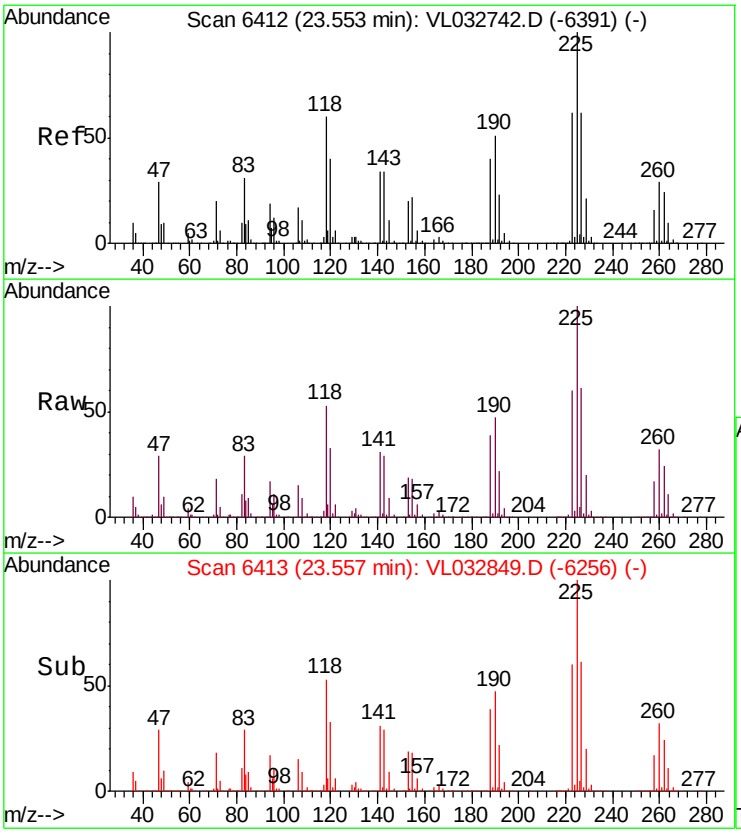
#77
1,2-Dichlorobenzene
Concen: 8.051 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:146 Resp: 2318358

Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.4	73.2
148	63.9	32.2	96.6

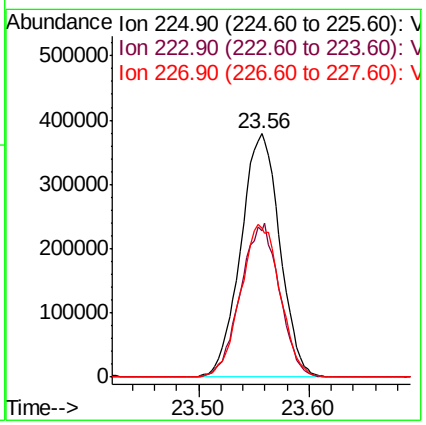


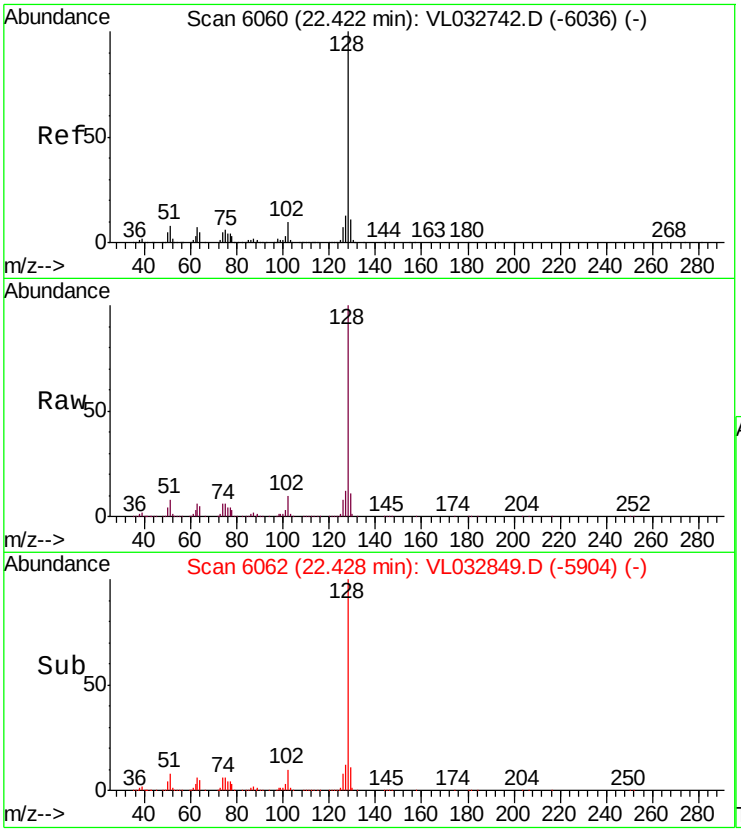


#78
Hexachloro-1,3-Butadiene
Concen: 5.983 ppbv
RT: 23.56 min Scan# 6413
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:225 Resp: 929811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.4	50.2	75.4



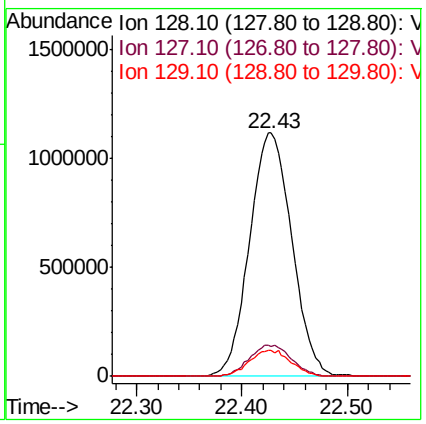


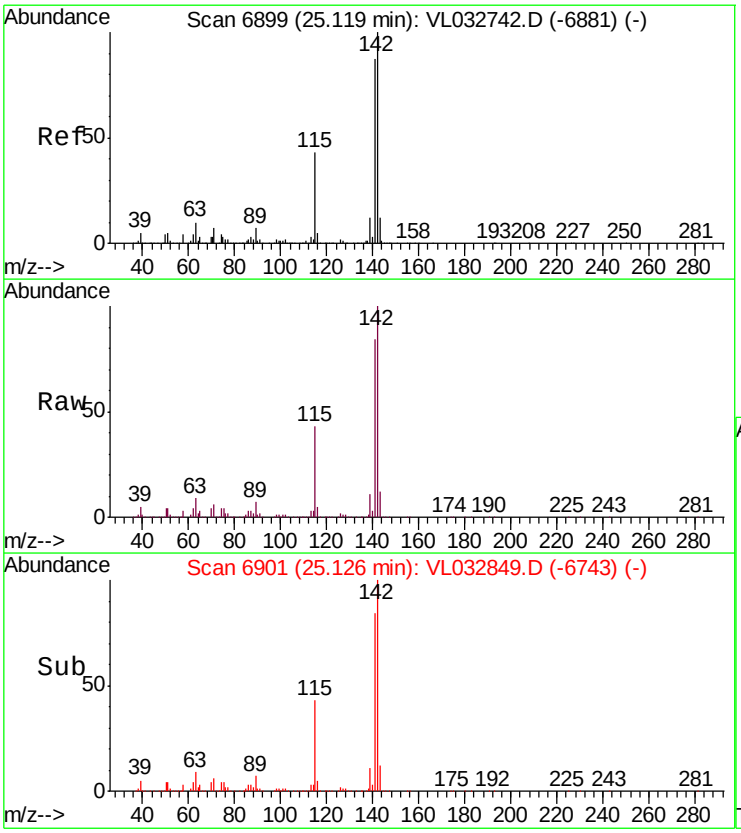
#79
Naphthalene
Concen: 8.739 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:128 Resp: 3115183

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.8	8.9	13.3

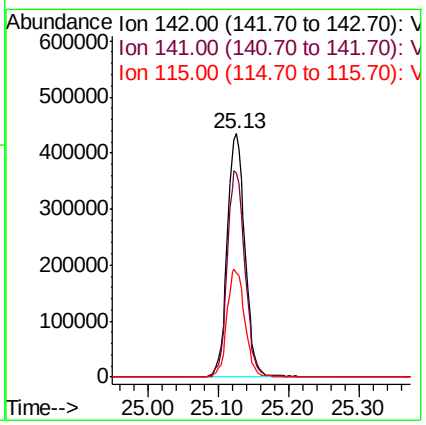


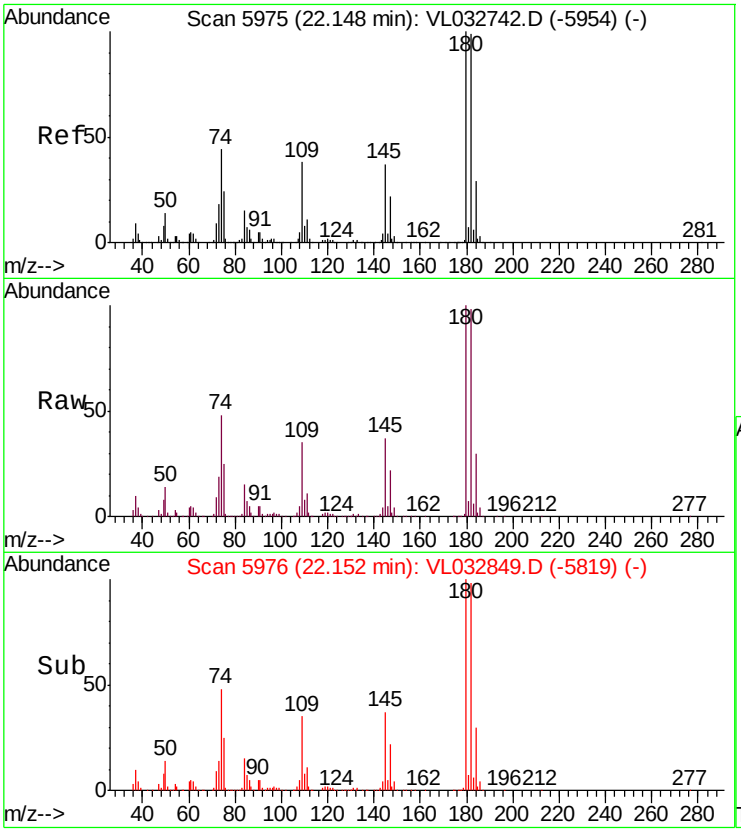


#80
Naphthalene,2-methyl-
Concen: 8.587 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:142 Resp: 766662

Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.7	103.1
115	44.6	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 8.903 ppbv
RT: 22.15 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tgt Ion:180 Resp: 1593794

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.3	115.9
184	30.6	24.2	36.4