Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\
Data File : VL032872.D
Acq On : 1 Dec 2018 6:03
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 03 00:28:02 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	1357733	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3429059	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3469707	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2523754	9.72	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1724508	8.836	ppbv	99
3) Chlorodifluoromethane	3.02	51	1024700	9.520	ppbv	99
4) Chloromethane	3.18	50	586964	9.834	ppbv	98
5) Vinyl Chloride	3.30	62	599386	9.477	ppbv	98
6) Bromomethane	3.52	94	541366	13.992	ppbv	90
7) Chloroethane	3.61	64	320342	14.053	ppbv	93
8) Dichlorotetrafluoroethane	3.23	85	1458335	9.482	ppbv	96
9) Propene	3.04	41	458611	10.646	ppbv	99
10) Heptane	8.25	43	1788600	10.876	ppbv	99
11) Trichlorofluoromethane	4.01	101	2185760	11.884	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1420742	9.457	ppbv	95
13) Ethanol	3.66	45	150500	10.667	ppbv	100
14) Bromoethene	3.80	108	713653	14.318	ppbv	100
15) Acetone	3.91	43	1481501	11.948	ppbv	99
16) 1,3-Butadiene	3.37	39	476142	9.916	ppbv	88
17) tert-Butyl alcohol	4.37	59	448459	11.532	ppbv	100
18) 1,1-Dichloroethene	4.36	96	784847	10.624	ppbv	96
19) Isopropyl Alcohol	4.03	45	1047392	12.680	ppbv	99
20) Methylene Chloride	4.42	84	644273	10.037	ppbv	99
21) Allyl Chloride	4.49	41	1028032	9.866	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	767212	10.635	ppbv	96
23) Vinyl Acetate	5.16	43	2556016	11.309	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1818684	10.121	ppbv	98
25) Ethyl Acetate	5.78	43	3103080	10.738	ppbv	100
26) Hexane	5.79	57	1429883	11.115	ppbv	99
27) Carbon Disulfide	4.63	76	1963357	12.036	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2377321	11.588	ppbv	99
29) Chloroform	5.86	83	2362107	10.302	ppbv	95
30) Cyclohexane	7.26	84	1257042	11.172	ppbv	95
31) cis-1,2-Dichloroethene	5.65	61	1418720	10.969	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2409117	9.586	ppbv	99
34) 2-Butanone	5.34	43	1924746	10.822	ppbv	99
35) Carbon Tetrachloride	7.15	117	2592000	9.403	ppbv	99
36) Benzene	7.02	78	2960814	10.843	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1797004	9.776	ppbv	98
38) Trichloroethene	7.97	130	1191967	10.786	ppbv	100
39) 1,2-Dichloropropane	7.75	63	1100127	10.574	ppbv	95
40) 1,4-Dioxane	7.97	88	390510	10.509	ppbv	93
41) Tetrahydrofuran	6.16	42	1160249	11.373	ppbv	99
42) Bromodichloromethane	7.93	83	2484190	9.970	ppbv	100
43) Methyl Methacrylate	8.15	69	1145497	11.237	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\
Data File : VL032872.D
Acq On : 1 Dec 2018 6:03
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 03 00:28:02 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

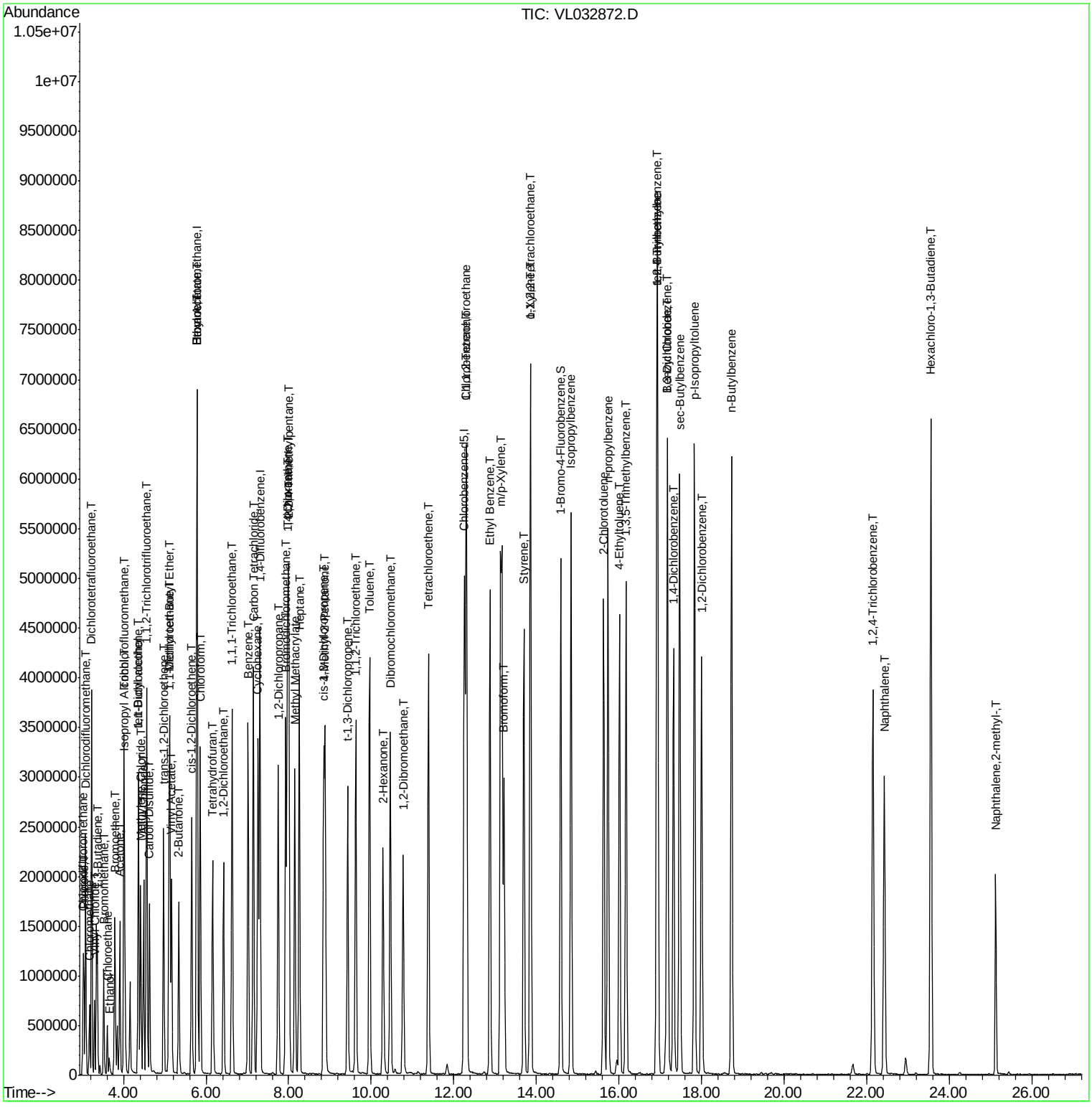
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4794005	10.506	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	1710686	12.506	ppbv		98
46) cis-1,3-Dichloropropene	8.85	75	1826998	11.055	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	1253191	10.187	ppbv		96
48) Dibromochloromethane	10.46	129	2182276	10.437	ppbv		99
49) Bromoform	13.21	173	1751206	10.141	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	2787815	10.036	ppbv		99
51) 2-Hexanone	10.28	43	2099737	11.733	ppbv		98
52) Tetrachloroethene	11.38	164	1062632	11.187	ppbv		95
53) Toluene	9.96	91	3395981	11.921	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1881613	10.820	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1537660	9.502	ppbv		98
57) Chlorobenzene	12.31	112	2570463	9.678	ppbv		97
58) Ethyl Benzene	12.88	91	4582002	10.973	ppbv		98
59) m/p-Xylene	13.14	91	4203310	11.307	ppbv	#	31
60) o-Xylene	13.86	91	3597792	9.626	ppbv		99
61) Styrene	13.70	104	2783021	11.438	ppbv		98
62) Isopropylbenzene	14.84	105	5156700	10.207	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2361501	8.105	ppbv		99
64) n-propylbenzene	15.73	120	1317994	9.918	ppbv		95
65) tert-Butylbenzene	16.92	119	4456387	9.840	ppbv		98
66) Benzyl Chloride	17.17	91	2502468	9.995	ppbv		99
67) sec-Butylbenzene	17.47	105	6239440	9.560	ppbv		100
69) p-Isopropyltoluene	17.83	119	5254782	10.126	ppbv		98
70) n-Butylbenzene	18.73	91	5273525	10.008	ppbv		100
71) 2-Chlorotoluene	15.63	91	3763581	9.989	ppbv		98
72) 4-Ethyltoluene	16.01	105	4144163	10.115	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	3922626	9.793	ppbv		100
74) 1,2,4-Trimethylbenzene	16.94	105	3990465	9.310	ppbv		94
75) 1,3-Dichlorobenzene	17.18	146	2286233	9.299	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2244307	9.772	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	2222463	9.771	ppbv		100
78) Hexachloro-1,3-Butadiene	23.56	225	1691110	13.776	ppbv		99
79) Naphthalene	22.42	128	3945006	14.010	ppbv		100
80) Naphthalene,2-methyl-	25.12	142	1084284	15.375	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1887616	13.349	ppbv		99

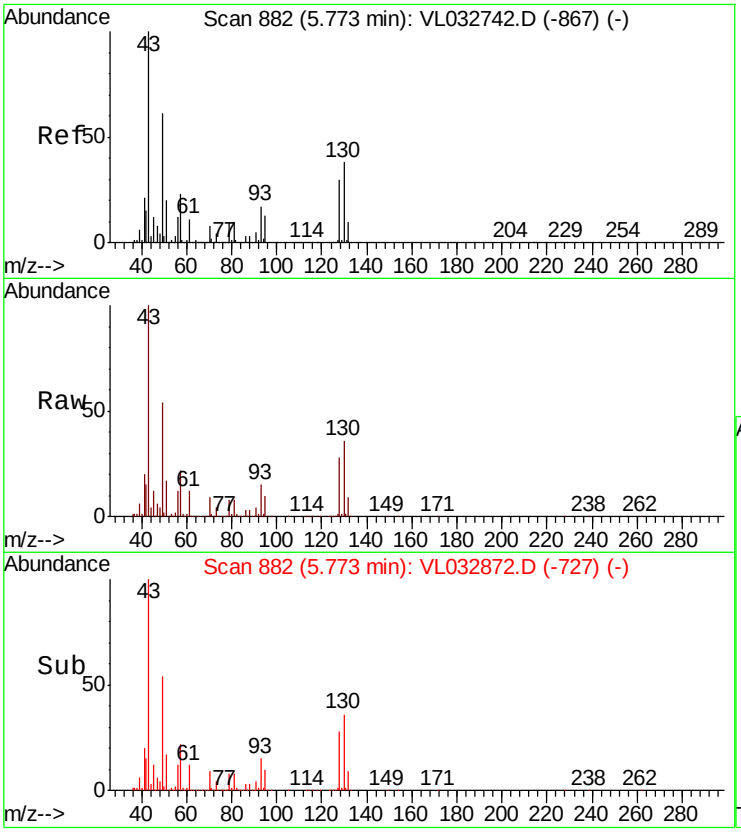
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\
Data File : VL032872.D
Acq On : 1 Dec 2018 6:03
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 03 00:28:02 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



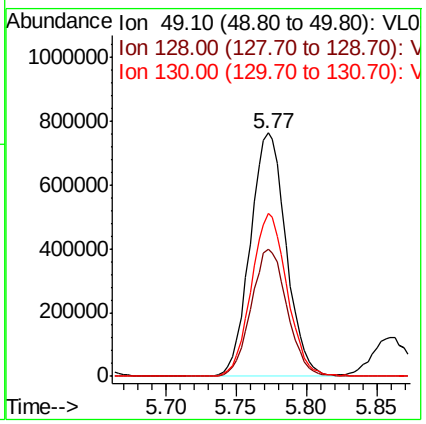


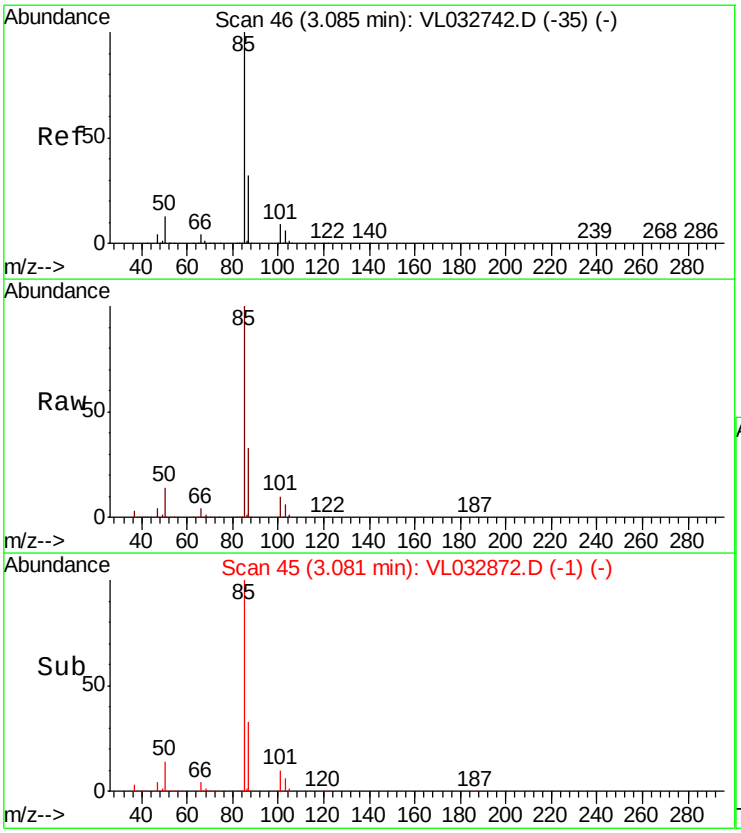
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1357733

Ion	Ratio	Lower	Upper
49	100		
128	52.7	24.9	74.6
130	67.0	31.4	94.2

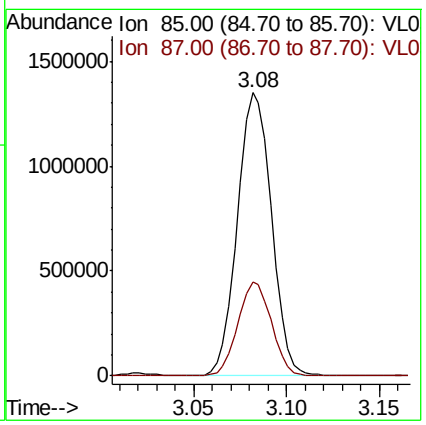


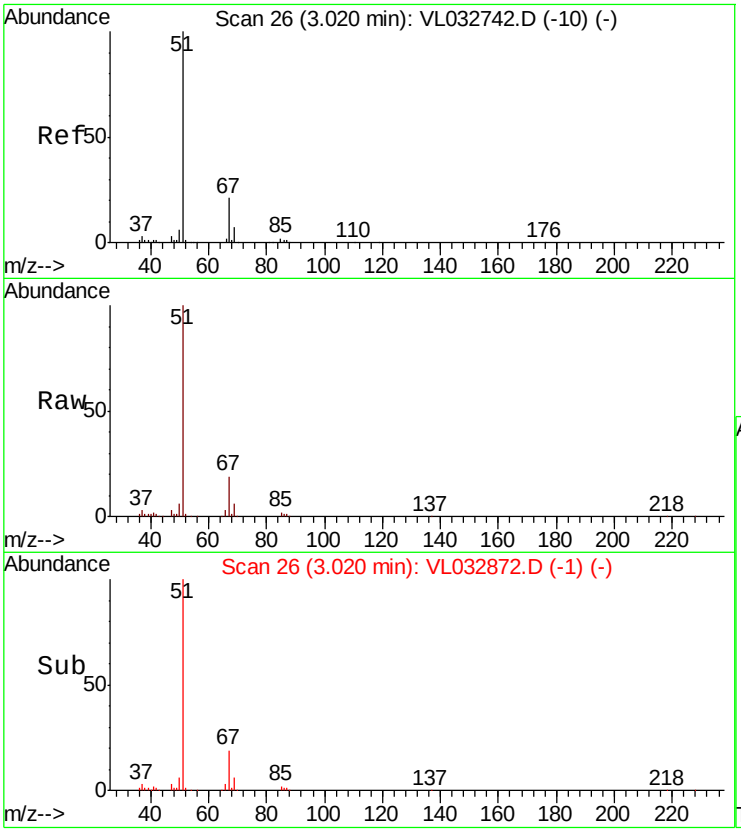


#2
Dichlorodifluoromethane
Concen: 8.836 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 85 Resp: 1724508

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.0	39.0



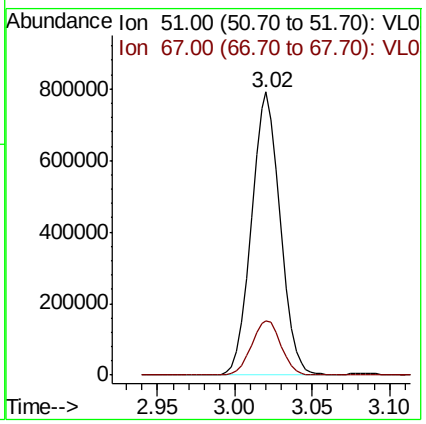


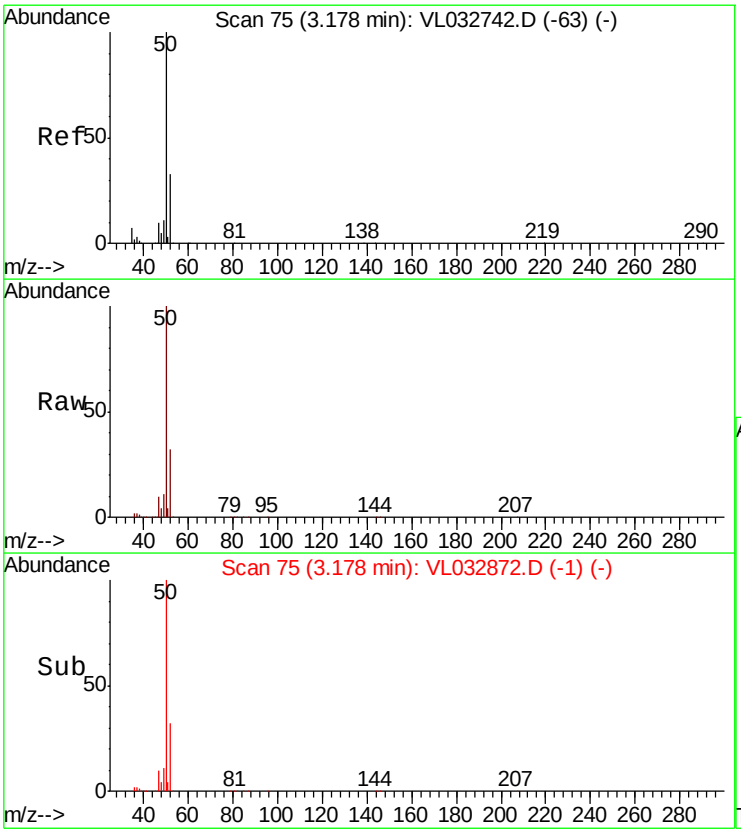
#3
Chlorodifluoromethane
Concen: 9.520 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1024700

Ion	Ratio	Lower	Upper
51	100		
67	19.8	16.1	24.1

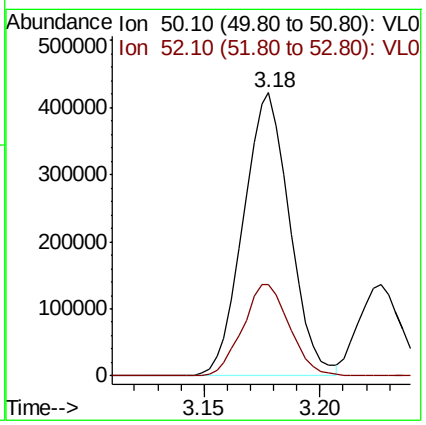


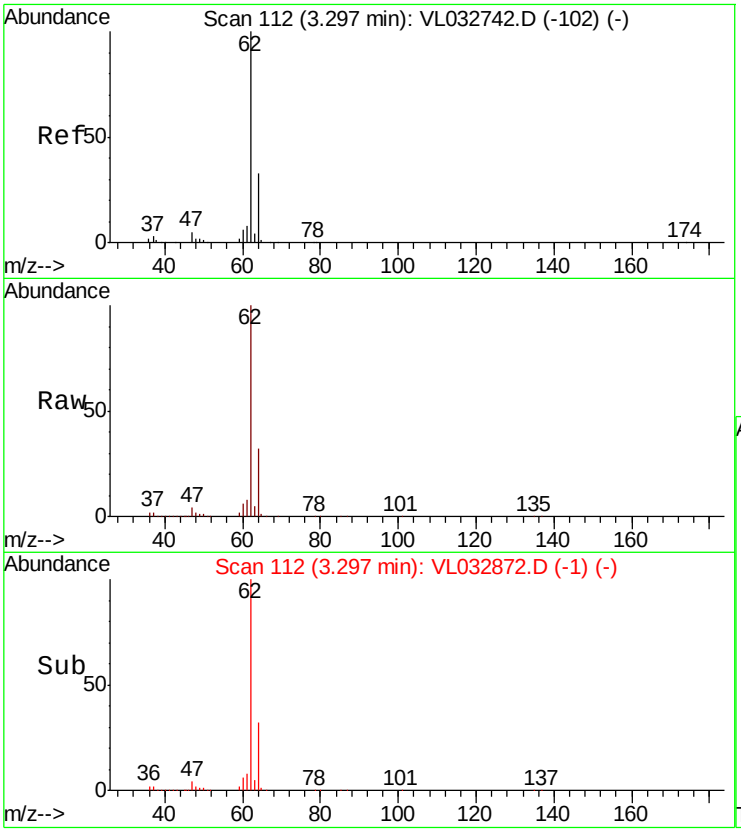


#4
Chloromethane
Concen: 9.834 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 50 Resp: 586964

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.6	40.0



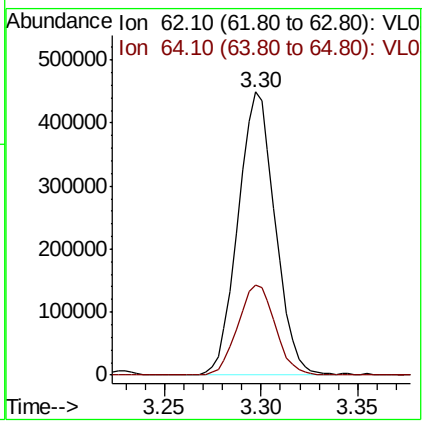


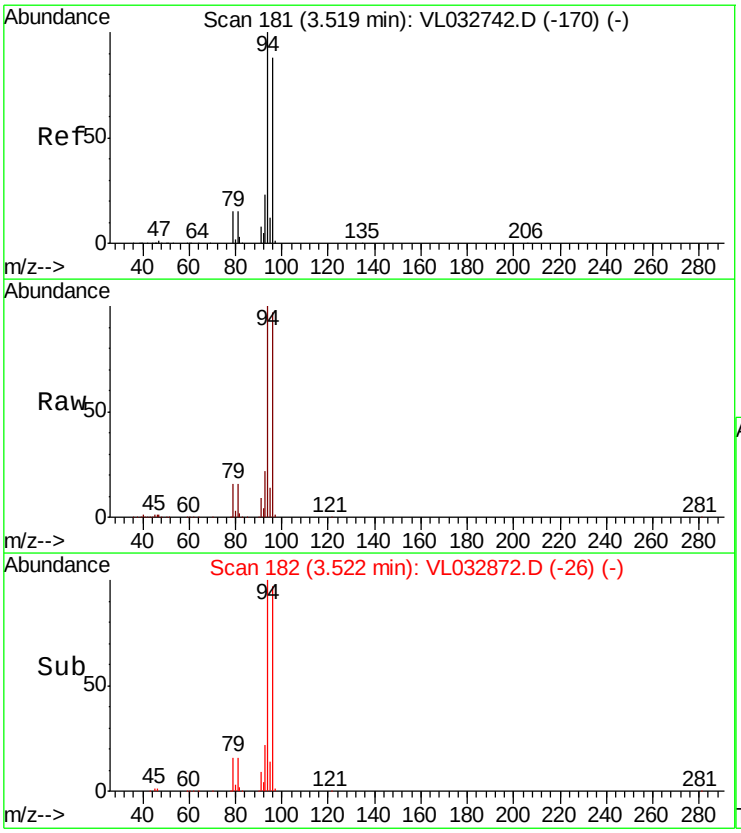
#5
Vinyl Chloride
Concen: 9.477 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 599386

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.2	39.4

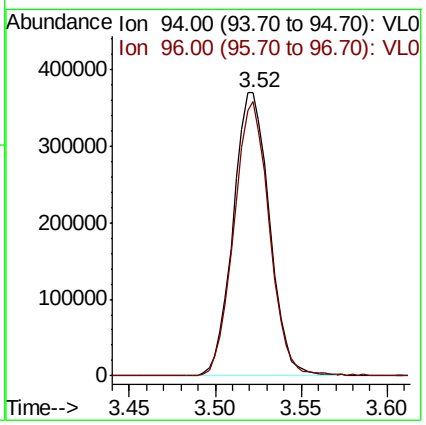


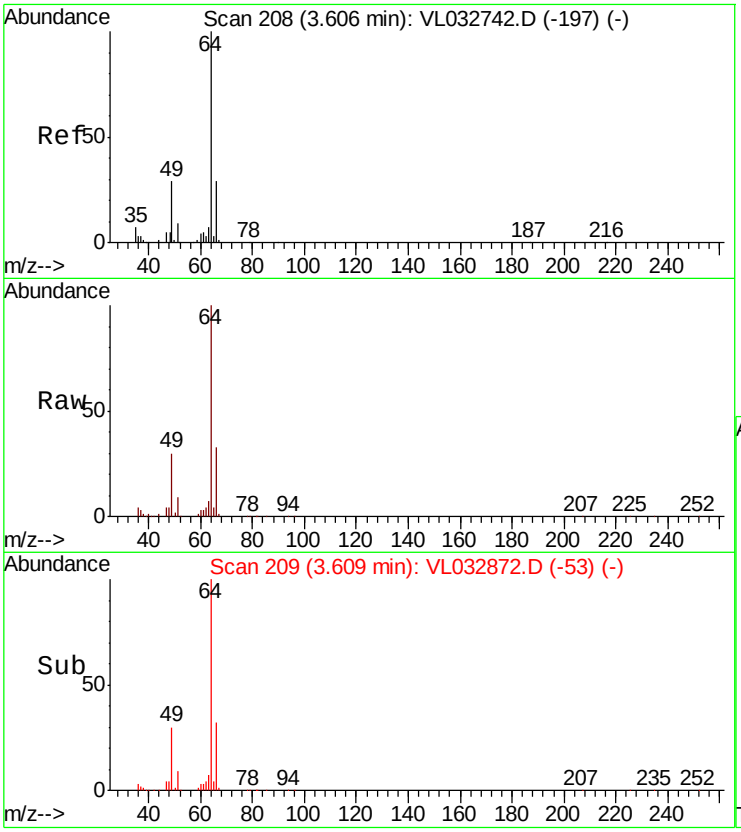


#6
Bromomethane
Concen: 13.992 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 94 Resp: 541366

Ion	Ratio	Lower	Upper
94	100		
96	97.0	70.2	105.2



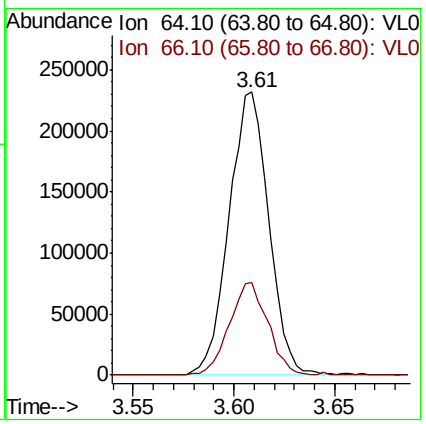


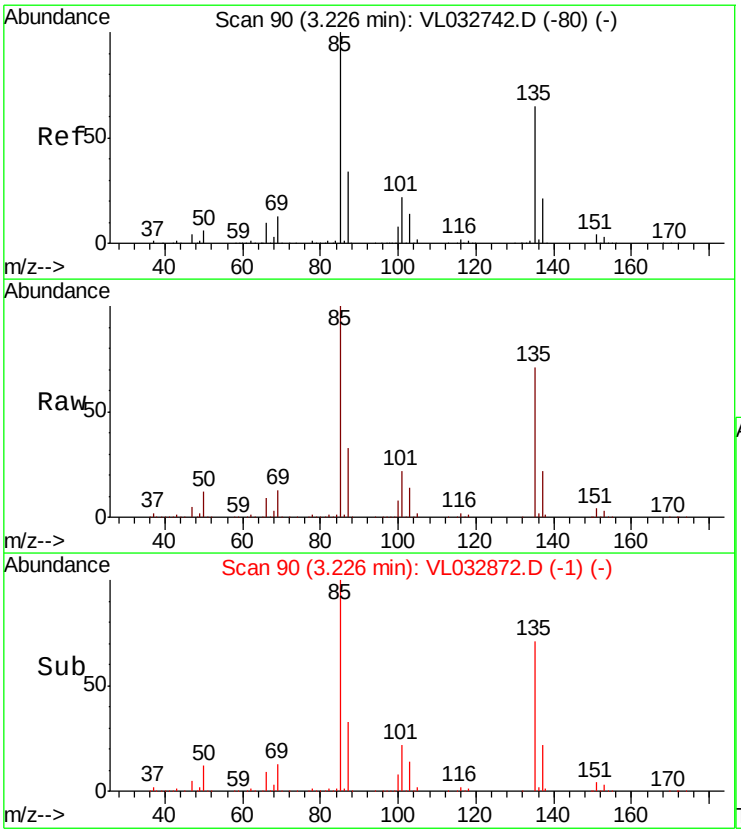
#7
Chloroethane
Concen: 14.053 ppbv
RT: 3.61 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 320342

Ion	Ratio	Lower	Upper
64	100		
66	32.9	23.2	34.8

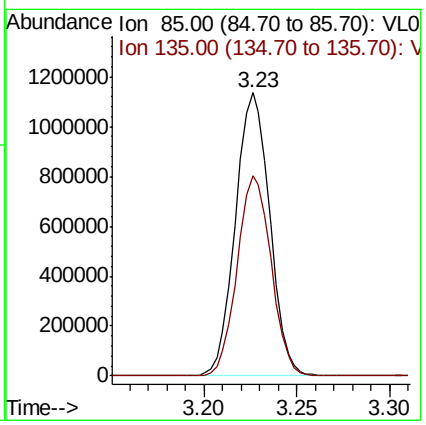


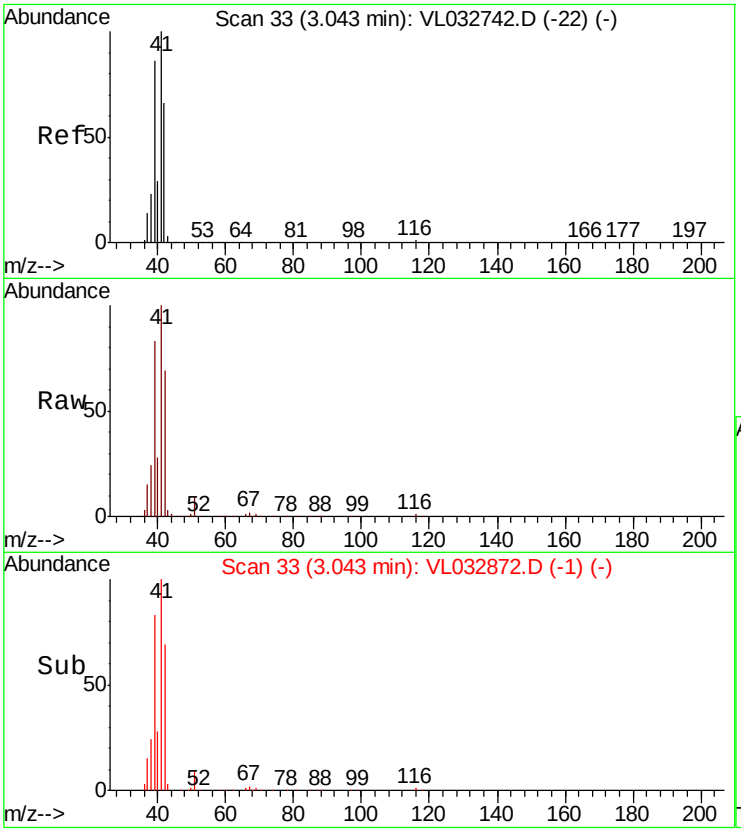


#8
Dichlorotetrafluoroethane
Concen: 9.482 ppbv
RT: 3.23 min Scan# 90
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 85 Resp: 1458335

Ion	Ratio	Lower	Upper
85	100		
135	70.3	53.8	80.8



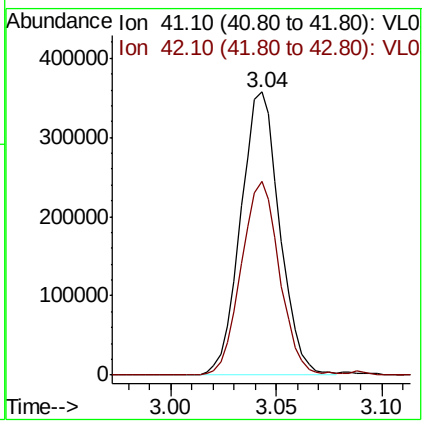


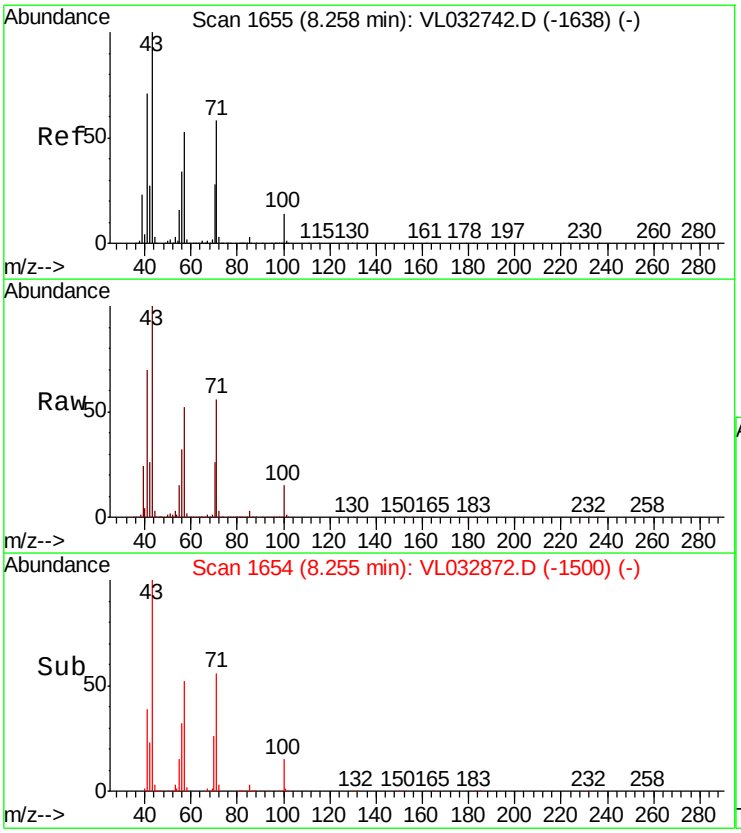
#9
Propene
Concen: 10.646 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 458611

Ion	Ratio	Lower	Upper
41	100		
42	68.3	55.0	82.6

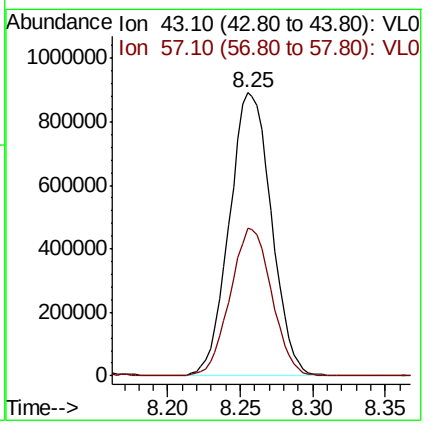


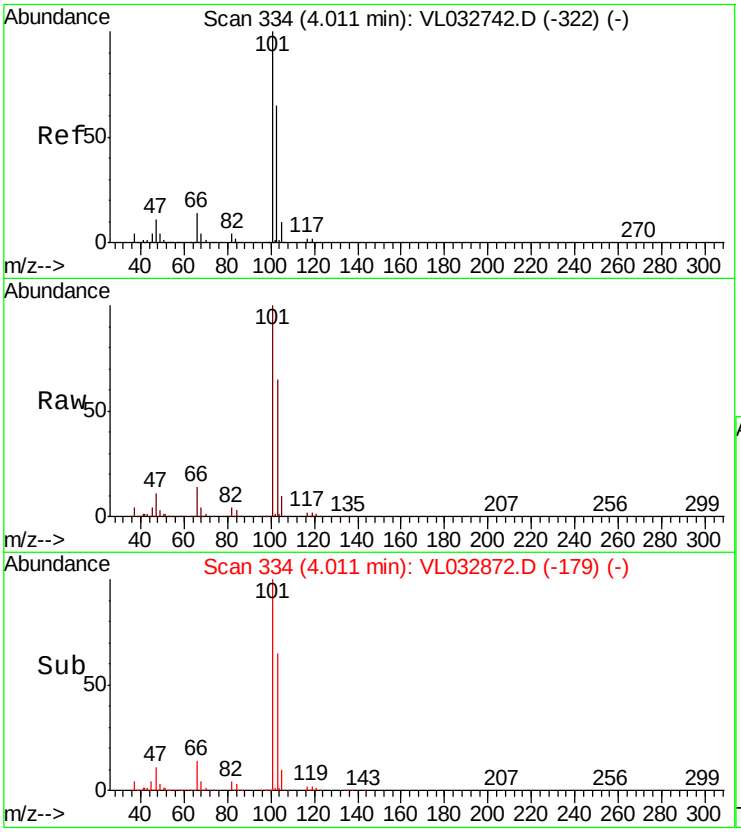


#10
Heptane
Concen: 10.876 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 43 Resp: 1788600

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.8	62.8



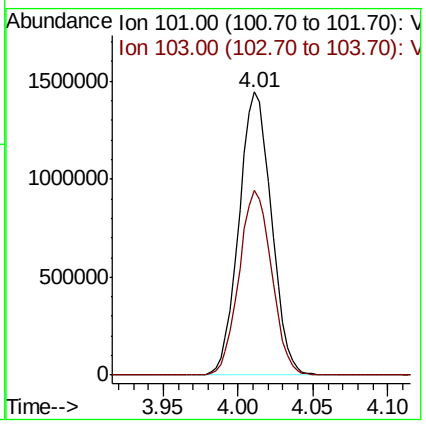


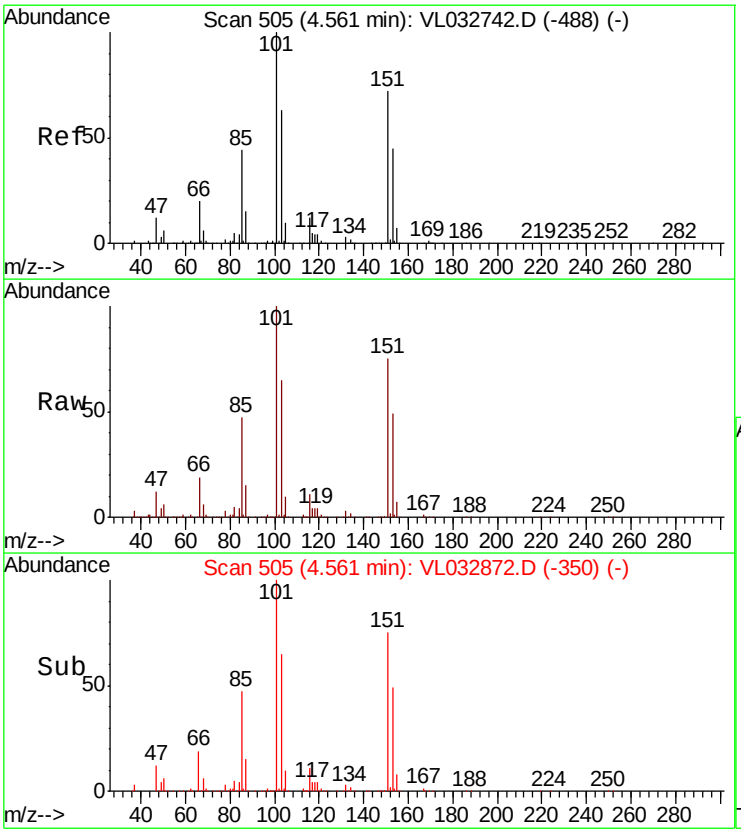
#11
Trichlorofluoromethane
Concen: 11.884 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2185760

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

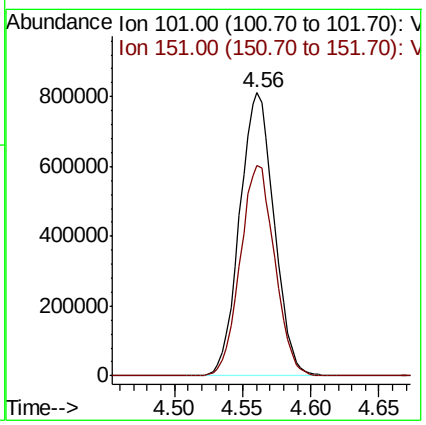


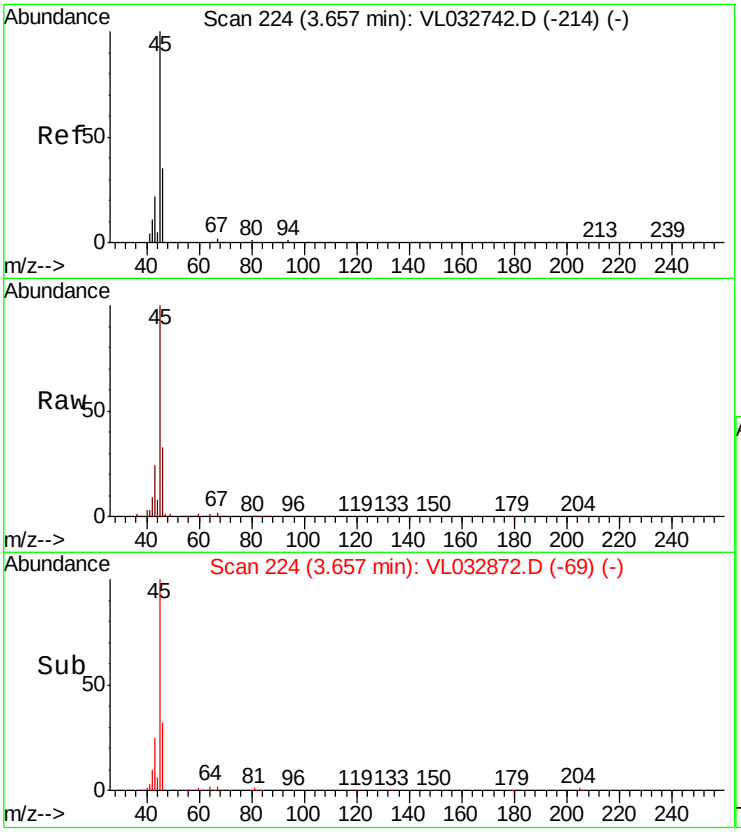


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.457 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:101 Resp: 1420742

Ion	Ratio	Lower	Upper
101	100		
151	74.7	56.7	85.1



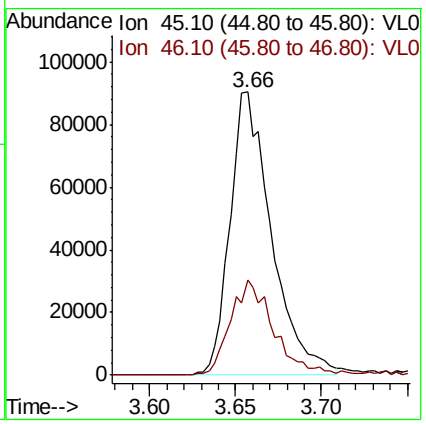


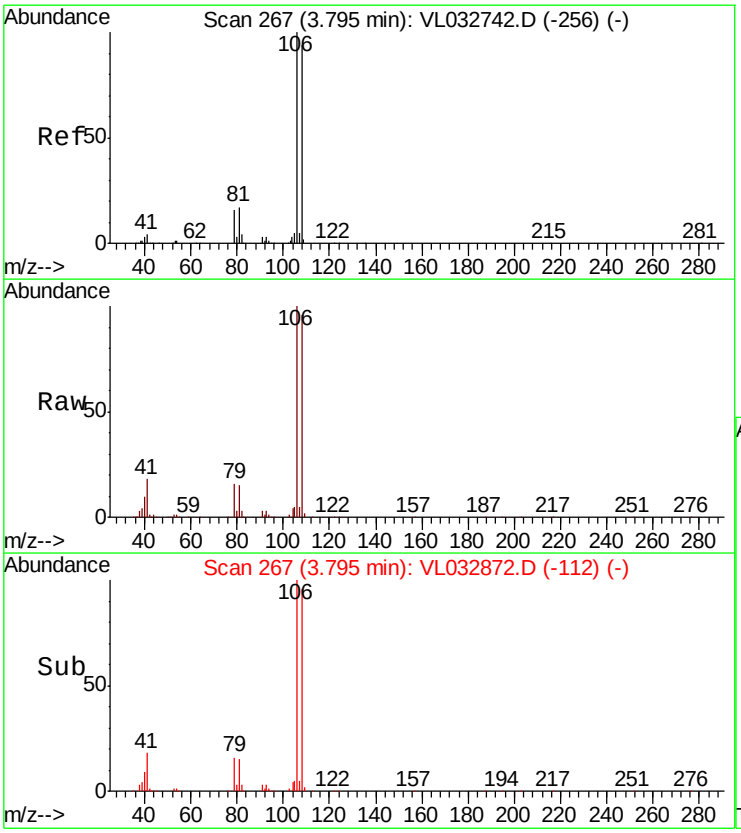
#13
Ethanol
Concen: 10.667 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 150500

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.5	57.9

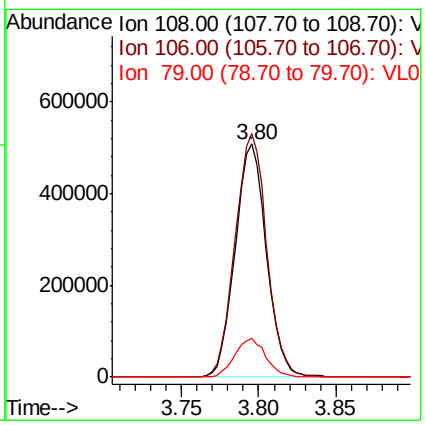


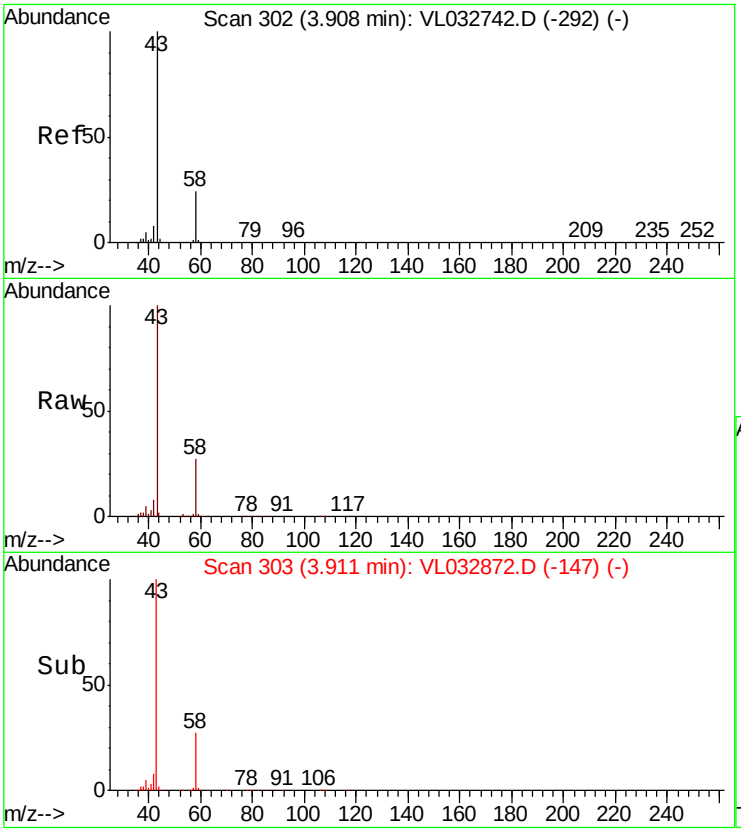


#14
Bromoethene
Concen: 14.318 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:108 Resp: 713653

Ion	Ratio	Lower	Upper
108	100		
106	106.1	84.9	127.3
79	16.7	14.2	21.4



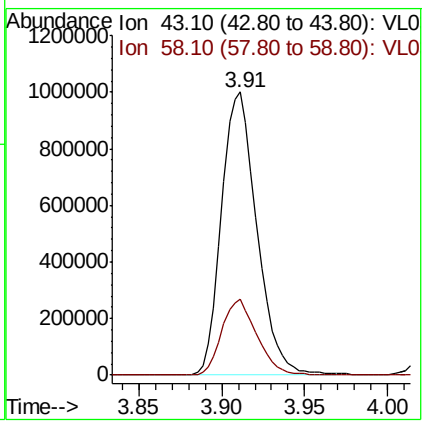


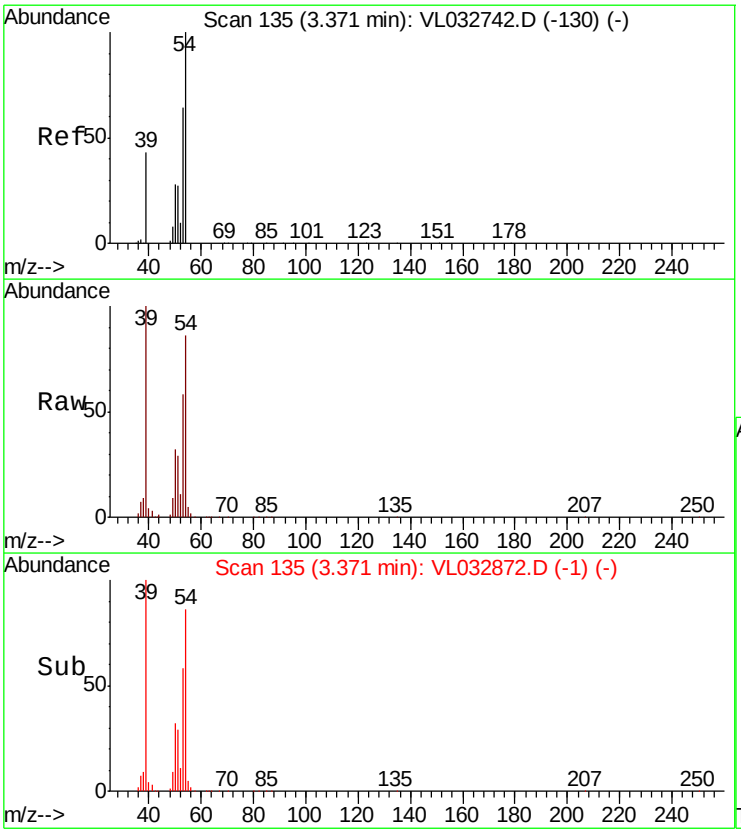
#15
Acetone
Concen: 11.948 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1481501

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.1	31.7

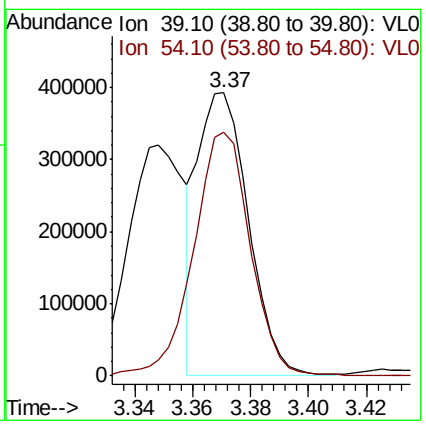


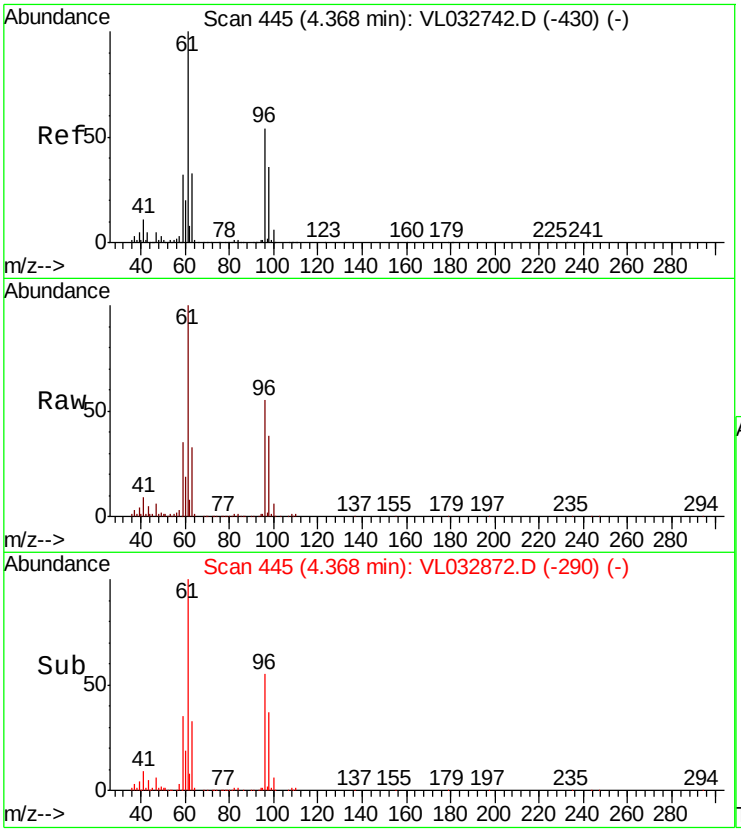


#16
1,3-Butadiene
Concen: 9.916 ppbv
RT: 3.37 min Scan# 135
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 39 Resp: 476142

Ion	Ratio	Lower	Upper
39	100		
54	97.2	68.9	103.3



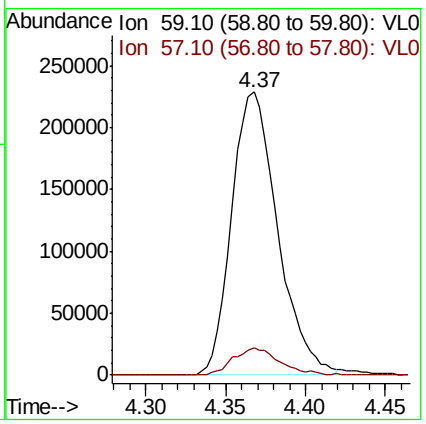


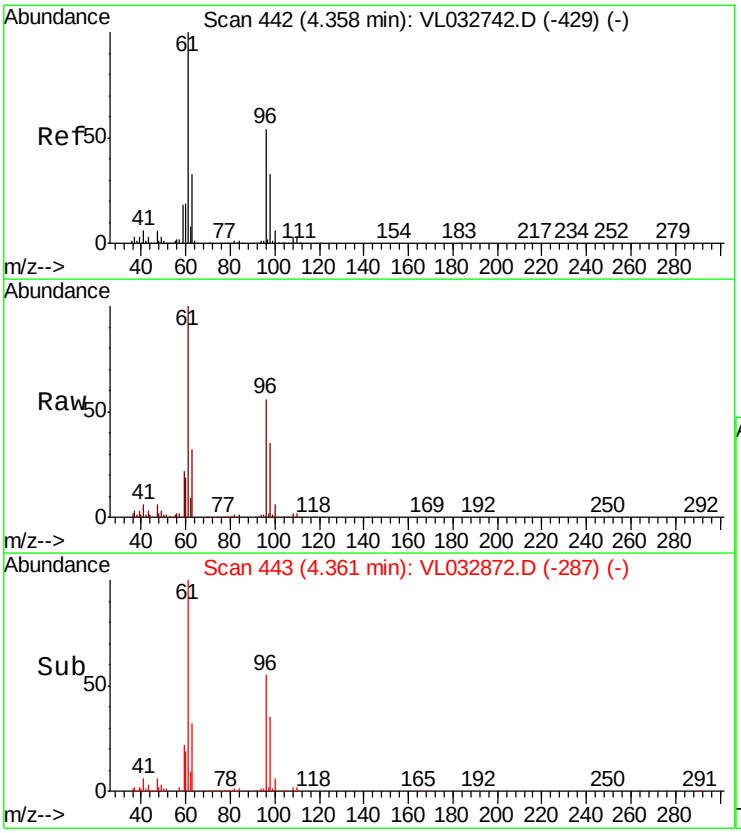
#17
tert-Butyl alcohol
Concen: 11.532 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 448459

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

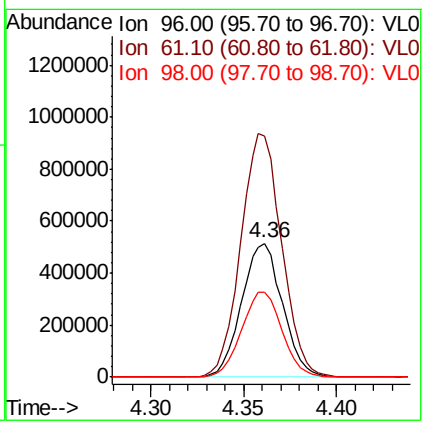


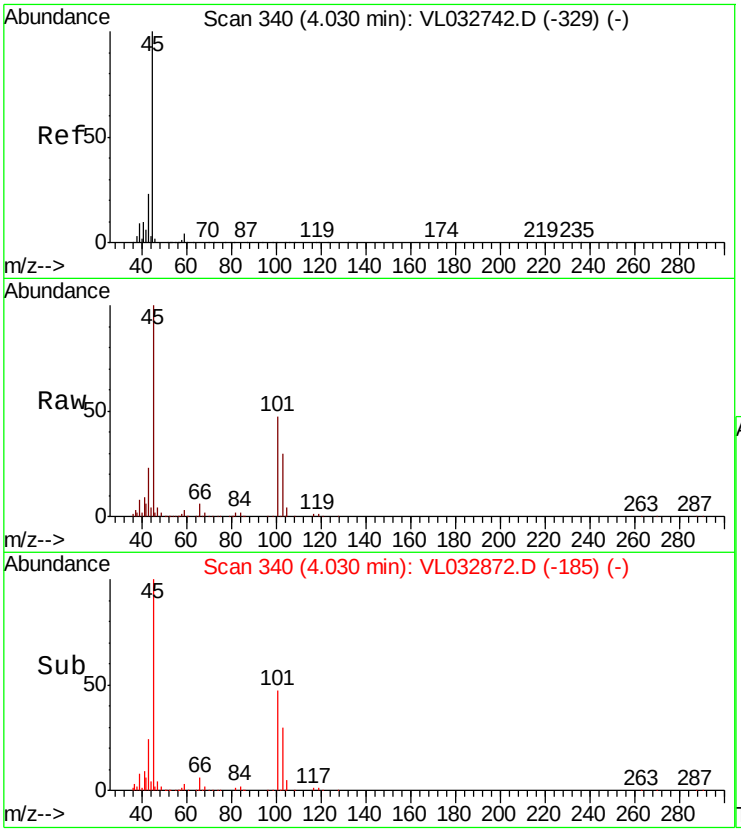


#18
1,1-Dichloroethene
Concen: 10.624 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 96 Resp: 784847

Ion	Ratio	Lower	Upper
96	100		
61	180.1	148.5	222.7
98	63.7	48.6	72.8



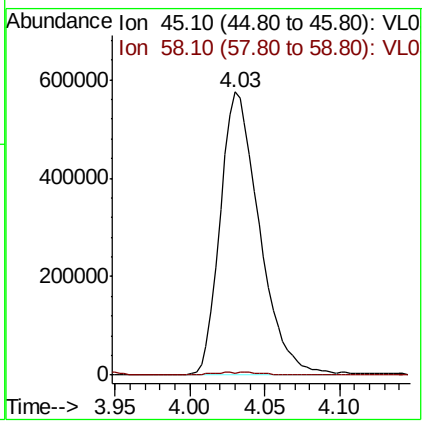


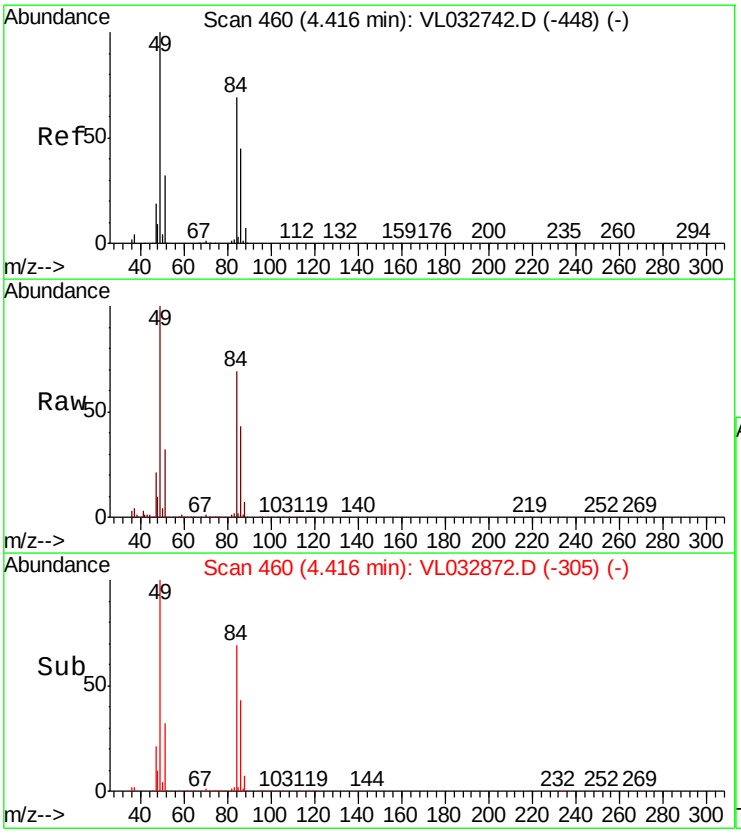
#19
Isopropyl Alcohol
Concen: 12.680 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1047392

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.4	2.0

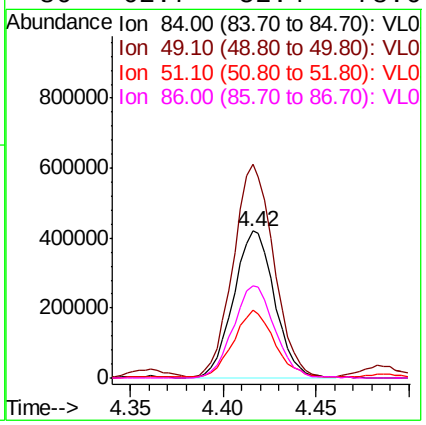


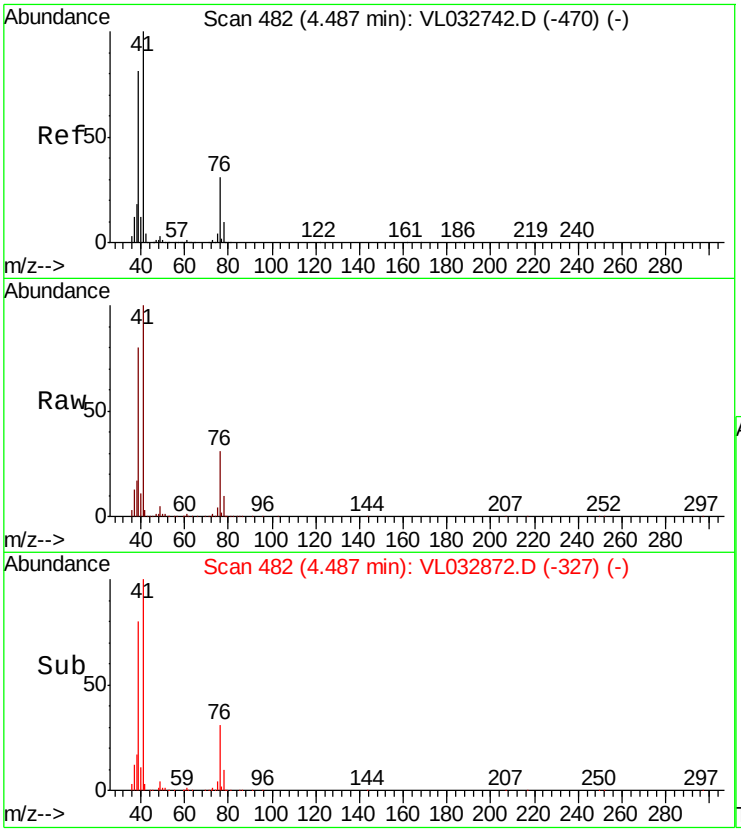


#20
Methylene Chloride
Concen: 10.037 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 84 Resp: 644273

Ion	Ratio	Lower	Upper
84	100		
49	144.9	115.8	173.6
51	46.1	36.9	55.3
86	62.7	52.4	78.6



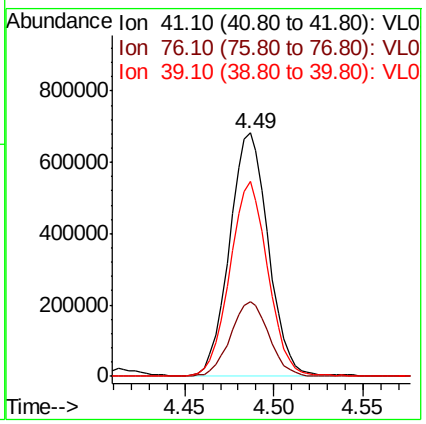


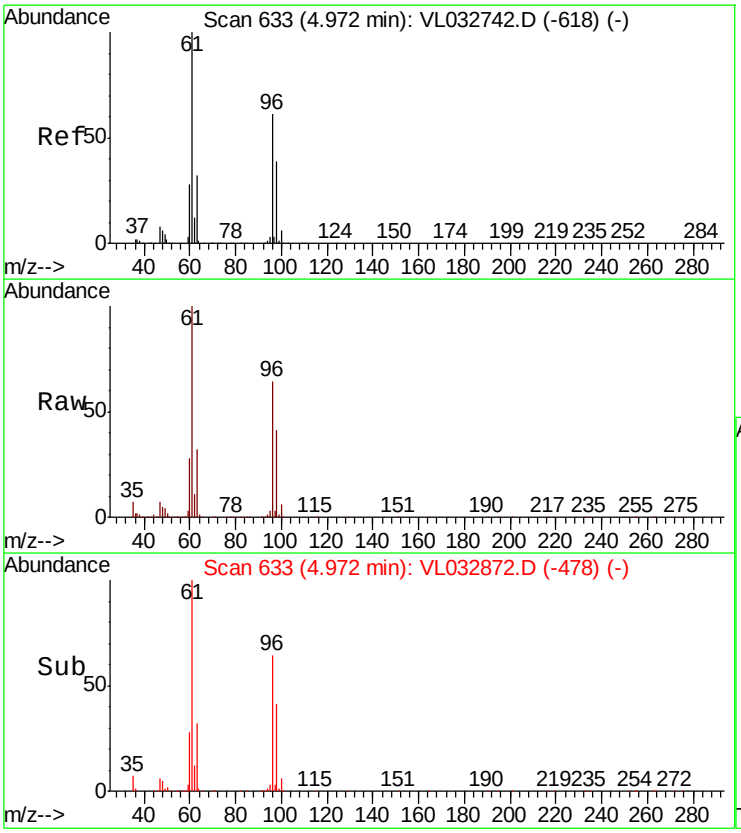
#21
Allvl Chloride
Concen: 9.866 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1028032

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.4	36.6
39	78.9	63.5	95.3

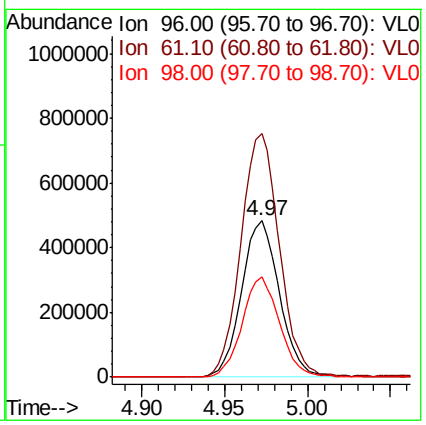


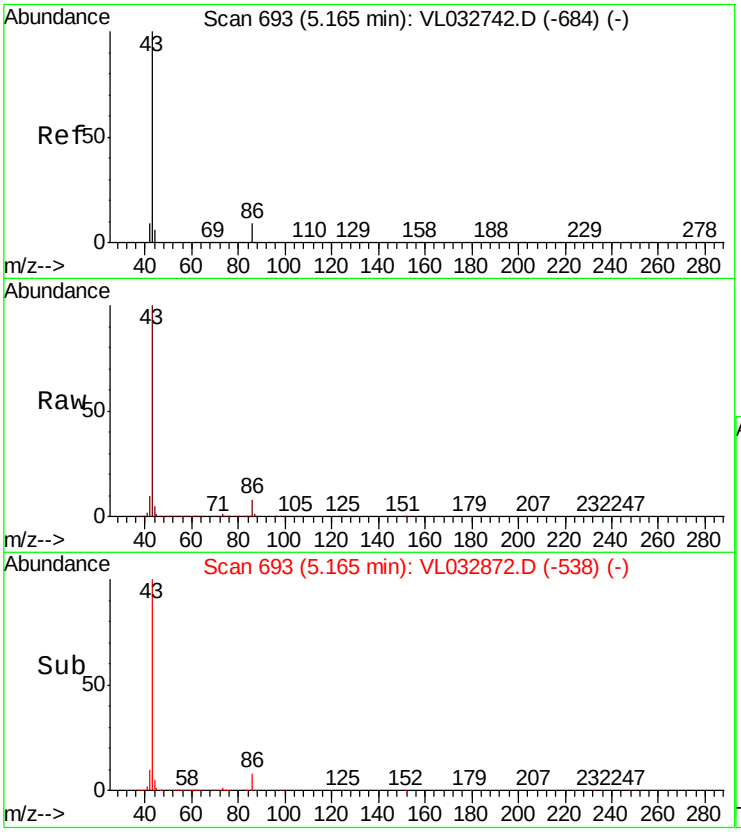


#22
trans-1,2-Dichloroethene
Concen: 10.635 ppbv
RT: 4.97 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 96 Resp: 767212

Ion	Ratio	Lower	Upper
96	100		
61	156.0	130.2	195.2
98	64.2	50.2	75.2



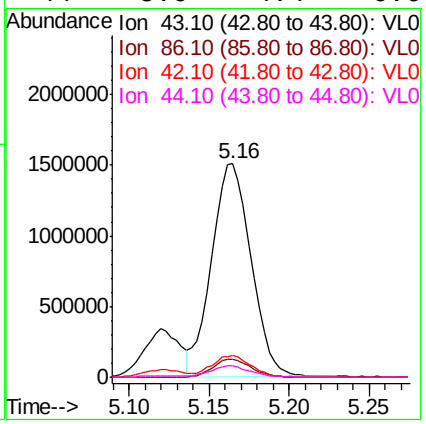


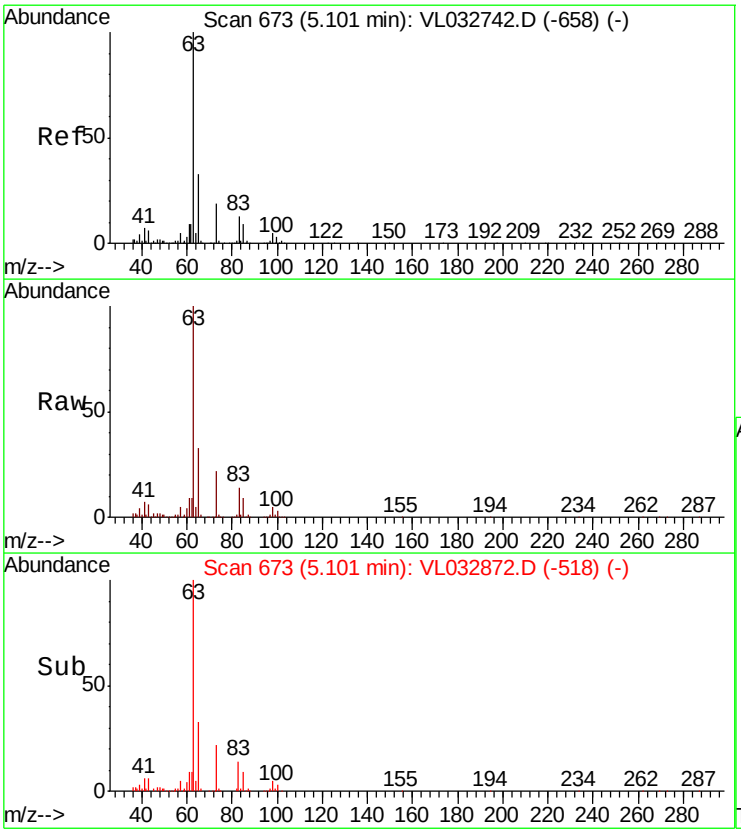
#23
Vinyl Acetate
Concen: 11.309 ppbv
RT: 5.16 min Scan# 693
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2556016

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.4
42	10.0	7.8	11.6
44	5.0	4.4	6.6

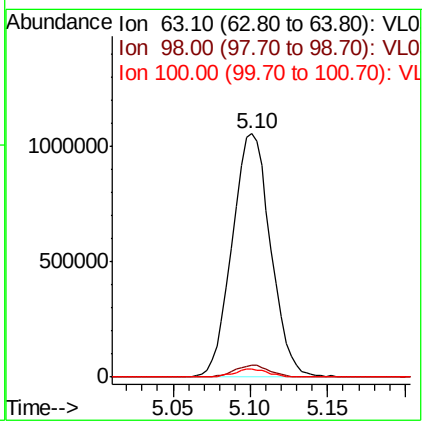


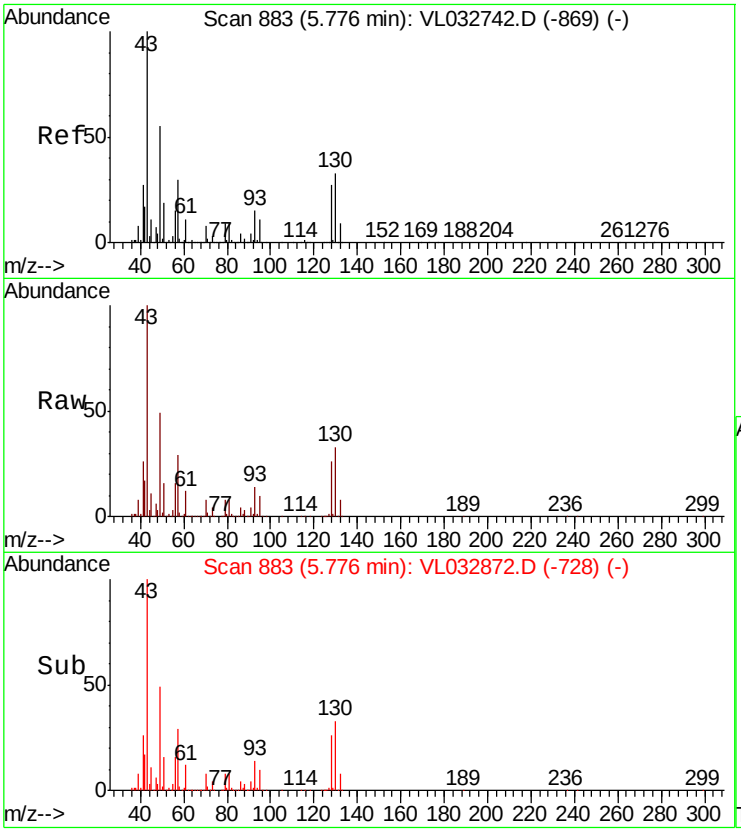


#24
1,1-Dichloroethane
Concen: 10.121 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 63 Resp: 1818684

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.8
100	3.3	1.4	4.2



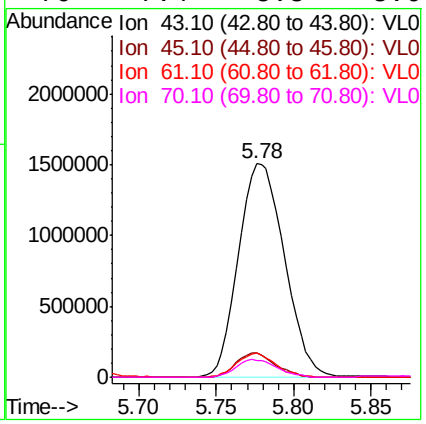


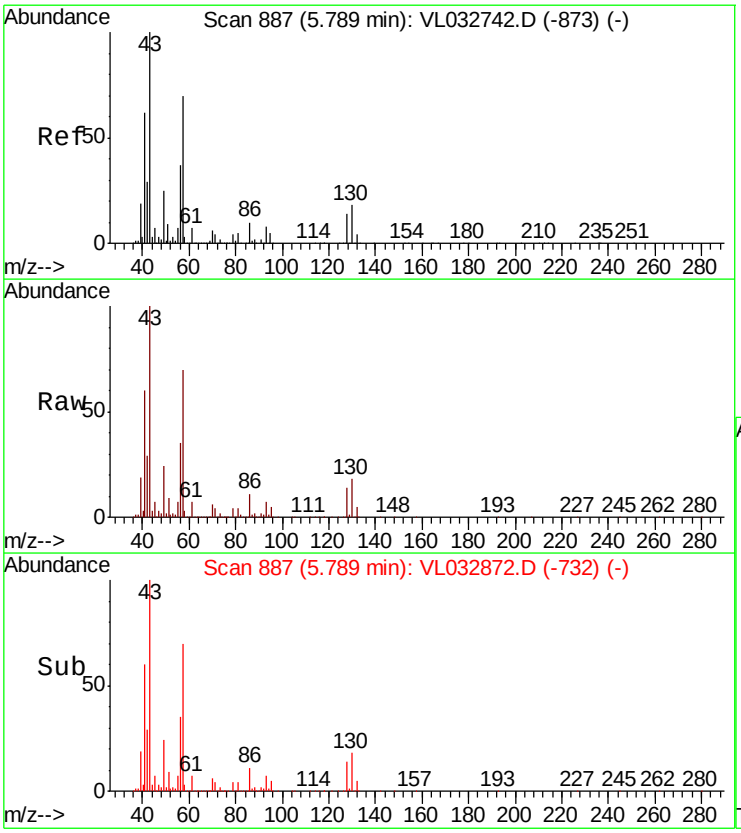
#25
Ethyl Acetate
Concen: 10.738 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3103080

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.7	7.8	11.6
70	7.4	5.8	8.6

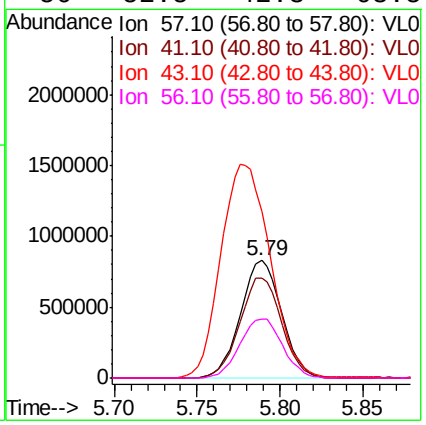


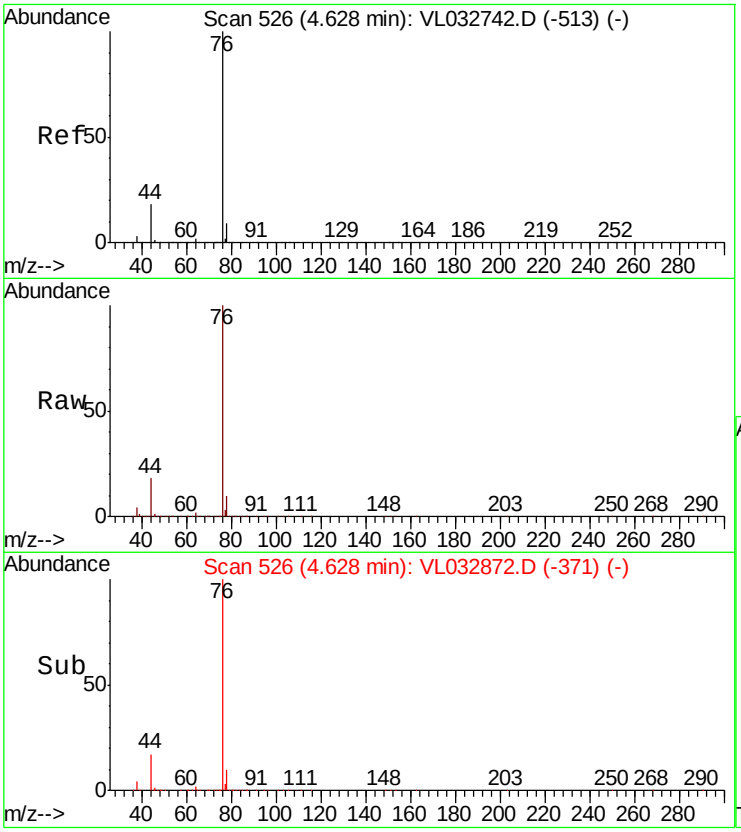


#26
Hexane
Concen: 11.115 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 57 Resp: 1429883

Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.3	105.5
43	218.6	174.0	261.0
56	52.5	42.3	63.5



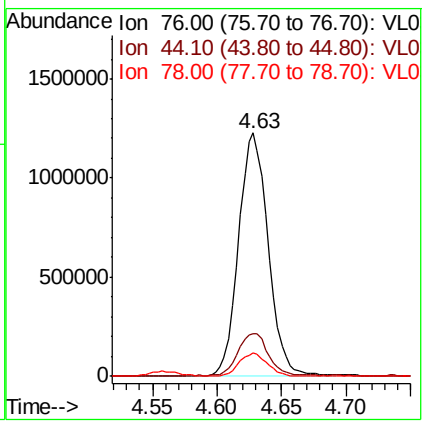


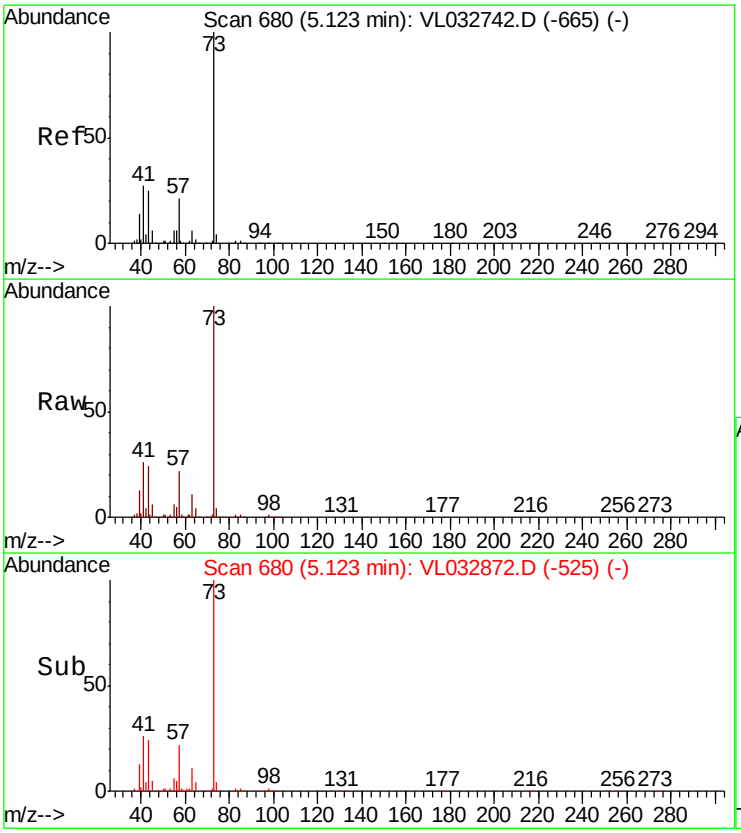
#27
Carbon Disulfide
Concen: 12.036 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1963357

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.4	21.6
78	9.4	7.7	11.5

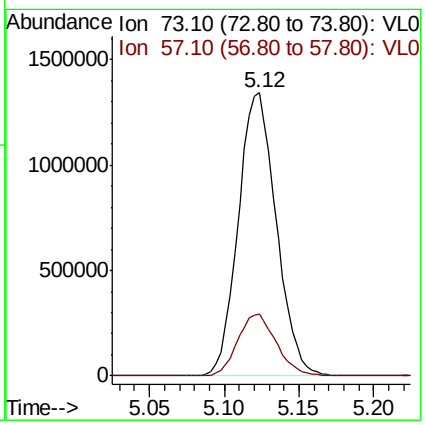


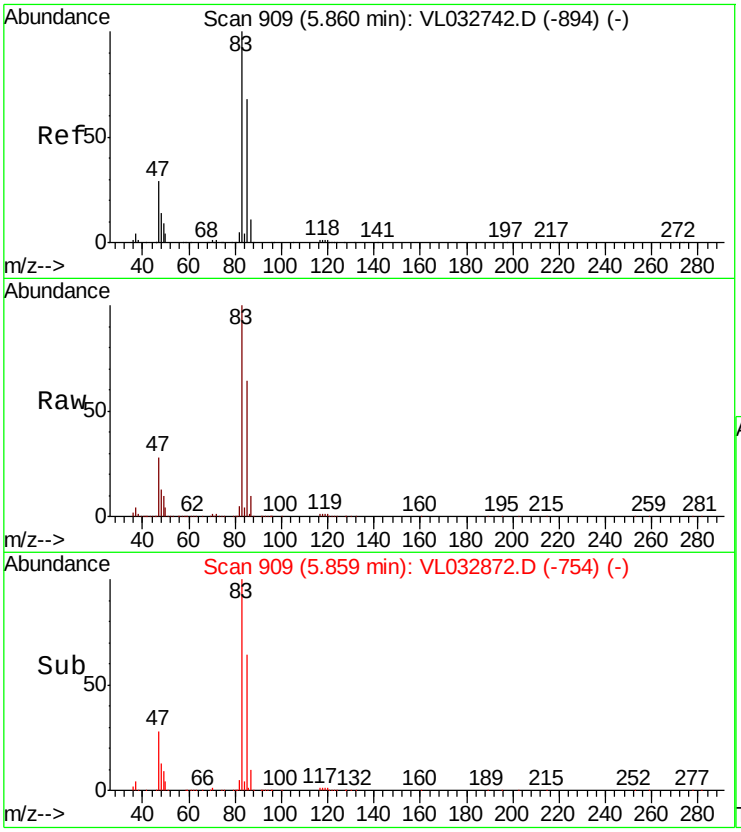


#28
Methyl tert-Butyl Ether
Concen: 11.588 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 73 Resp: 2377321

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3



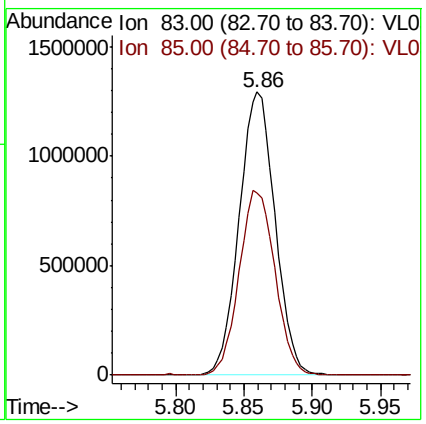


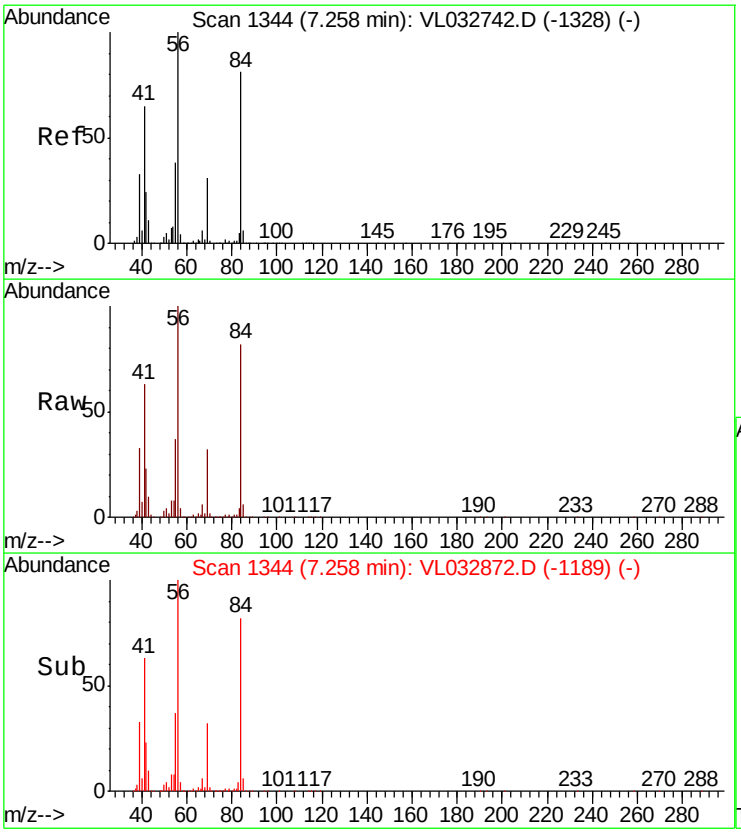
#29
Chloroform
Concen: 10.302 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2362107

Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.2	81.4

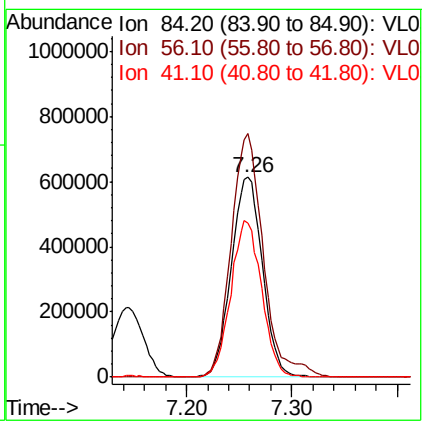


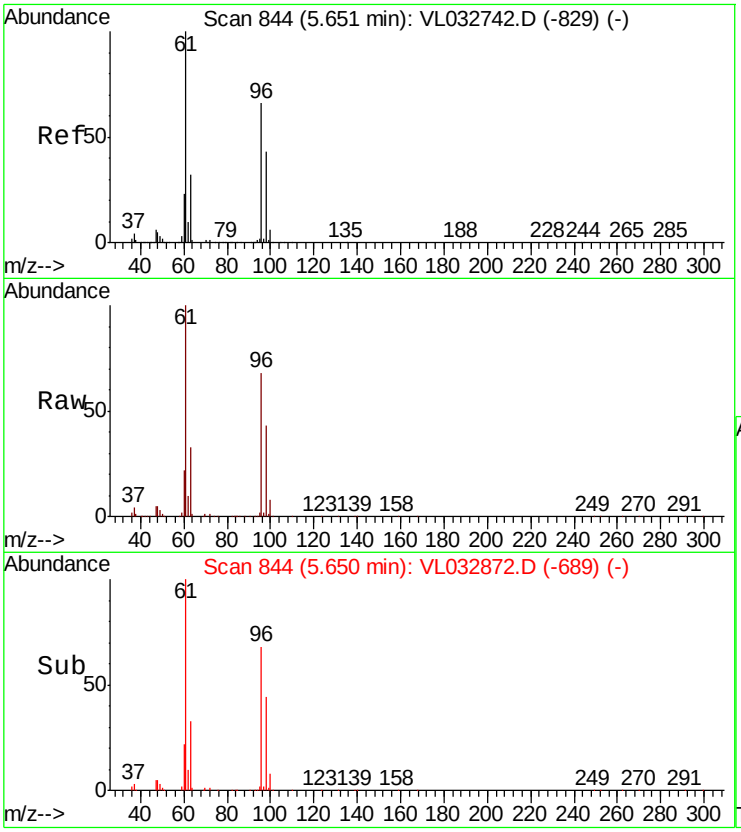


#30
Cyclohexane
Concen: 11.172 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 84 Resp: 1257042

Ion	Ratio	Lower	Upper
84	100		
56	125.8	105.0	157.4
41	77.4	65.3	97.9



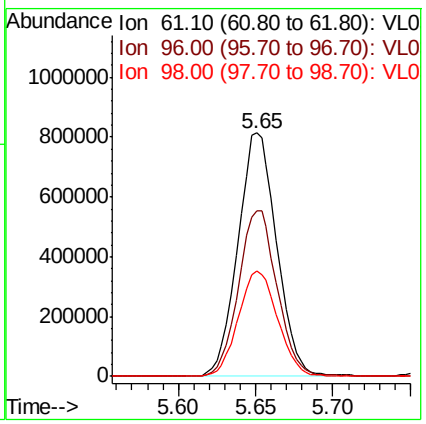


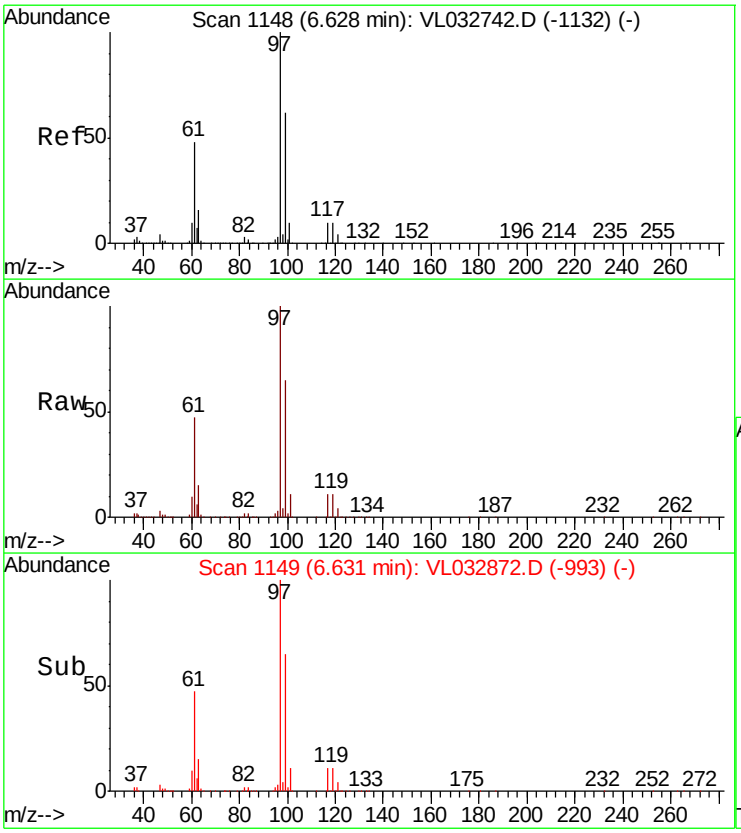
#31
cis-1,2-Dichloroethene
Concen: 10.969 ppbv
RT: 5.65 min Scan# 844
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1418720

Ion	Ratio	Lower	Upper
61	100		
96	68.1	53.2	79.8
98	43.4	34.4	51.6

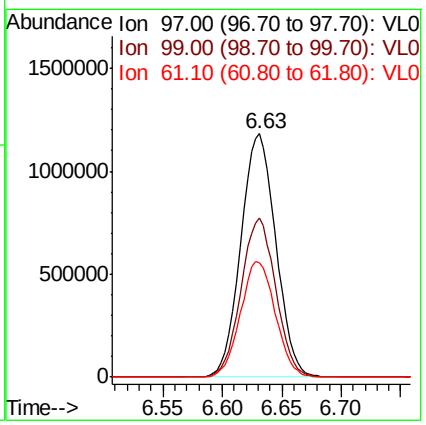


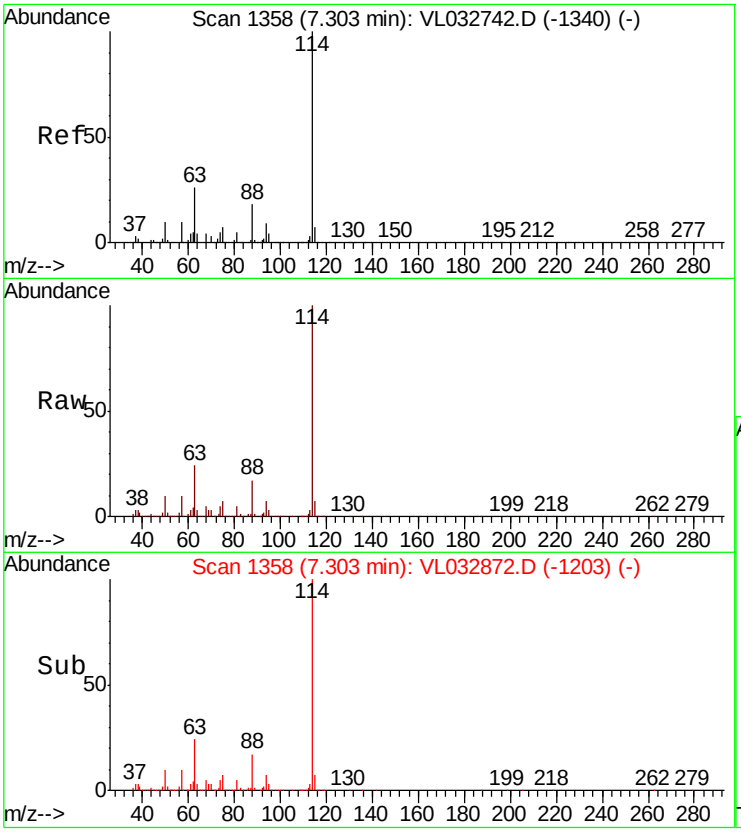


#32
1,1,1-Trichloroethane
Concen: 9.586 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 97 Resp: 2409117

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	47.5	39.7	59.5



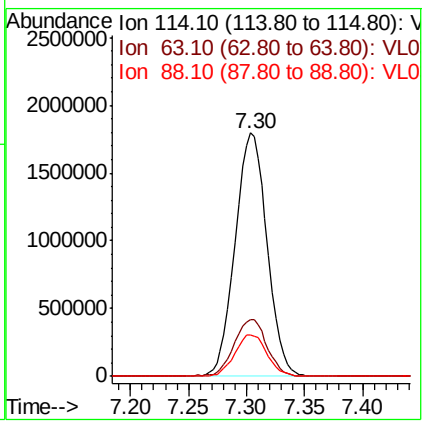


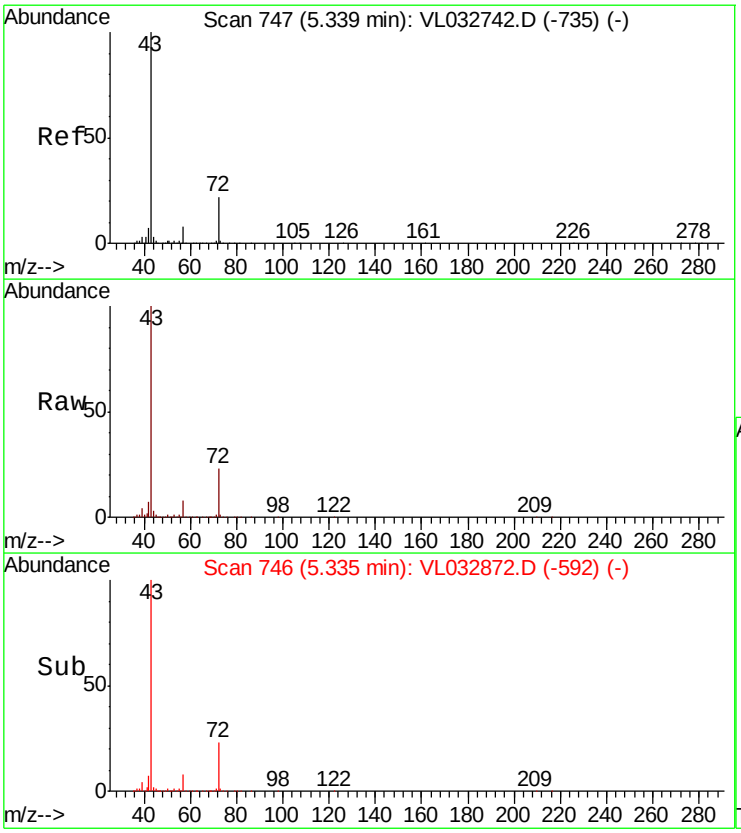
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3429059

Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.9	31.3
88	17.3	14.4	21.6

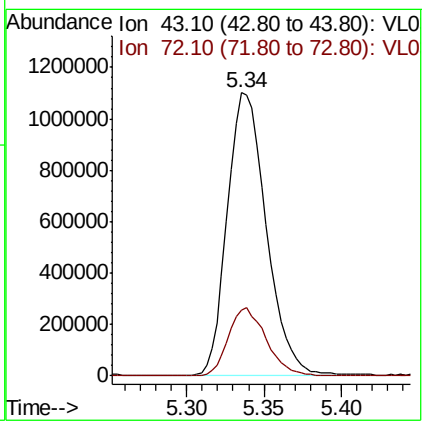


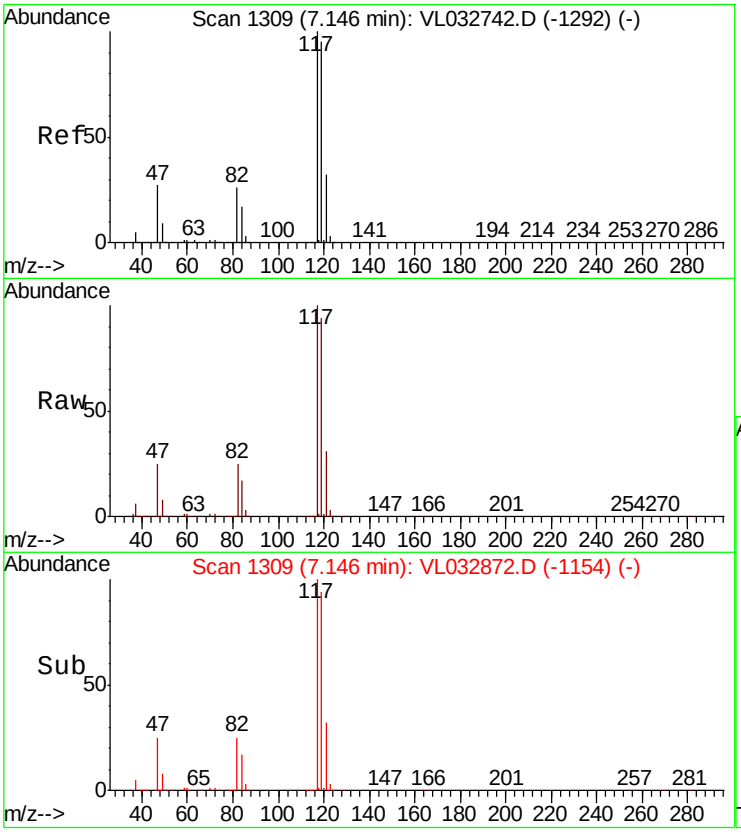


#34
2-Butanone
Concen: 10.822 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 43 Resp: 1924746

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6



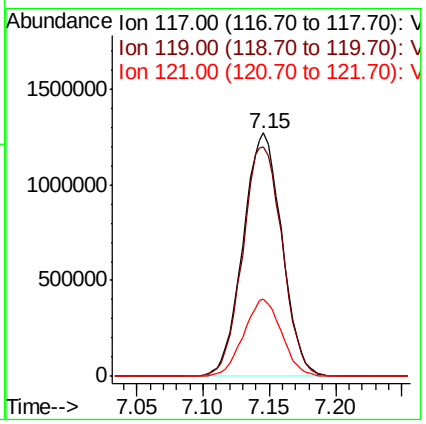


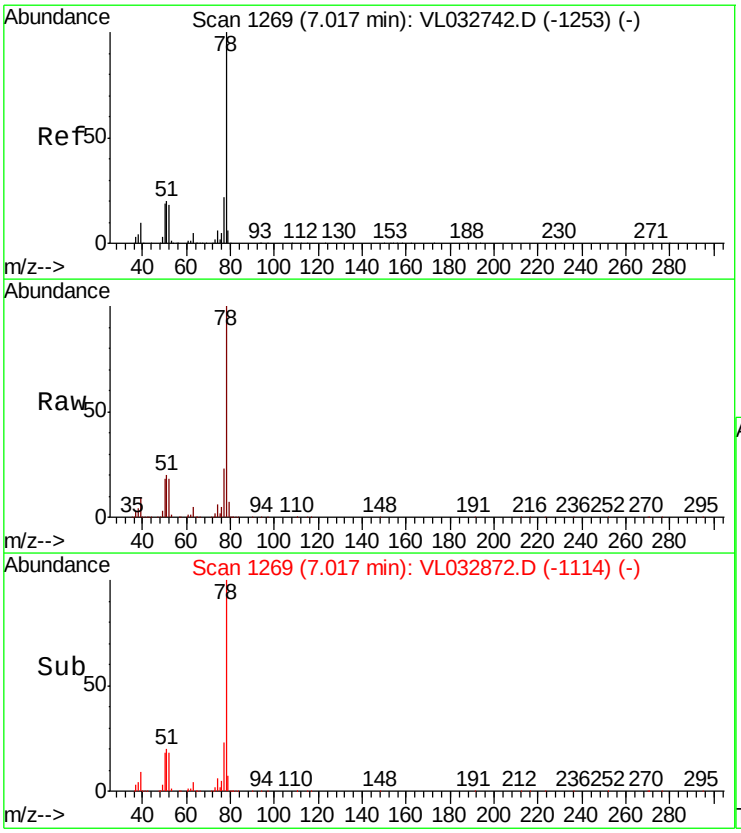
#35
Carbon Tetrachloride
Concen: 9.403 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2592000

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.1	114.1
121	31.5	25.4	38.0

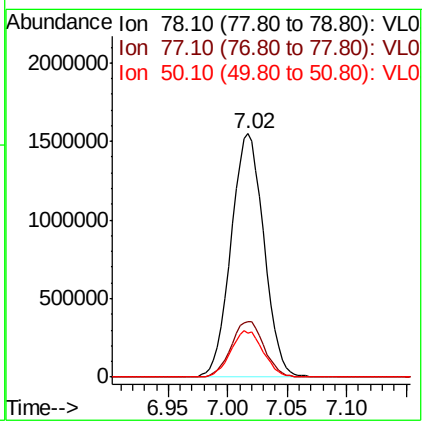


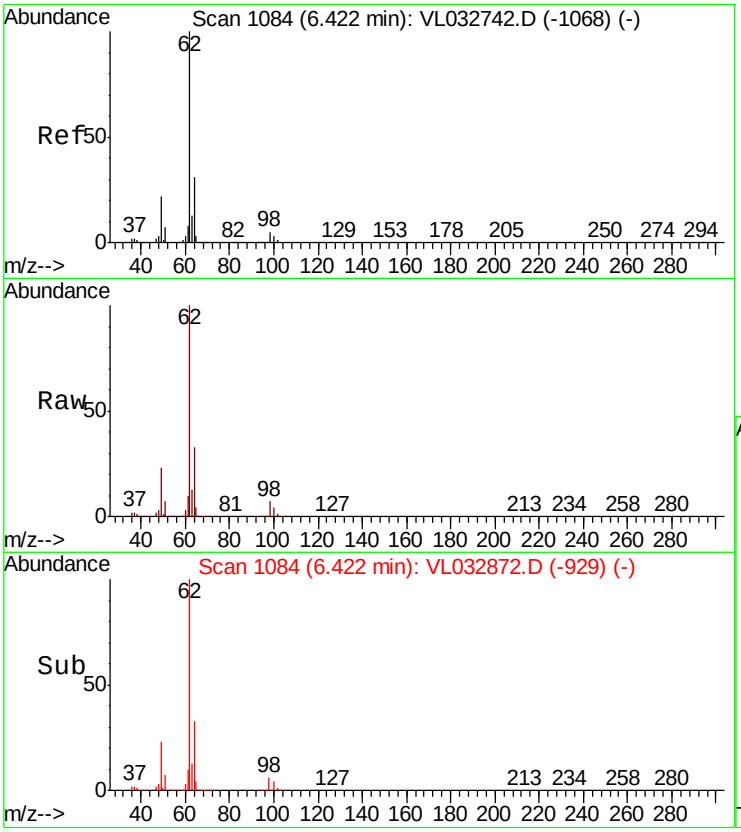


#36
Benzene
Concen: 10.843 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 78 Resp: 2960814

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.8	26.8
50	18.2	15.4	23.0



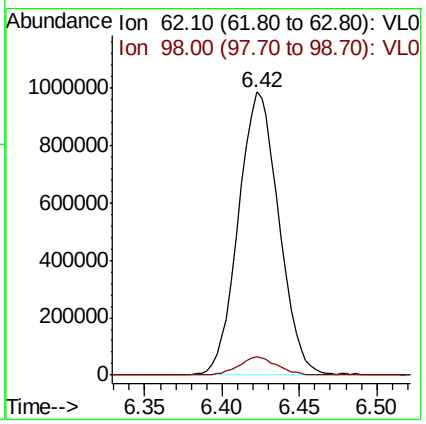


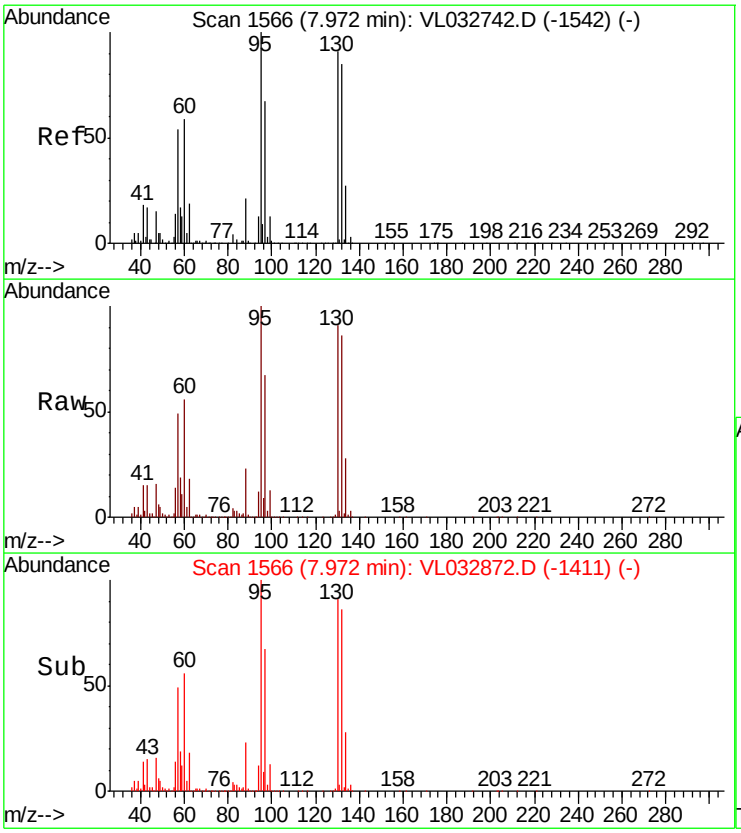
#37
1,2-Dichloroethane
Concen: 9.776 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1797004

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.5	6.7

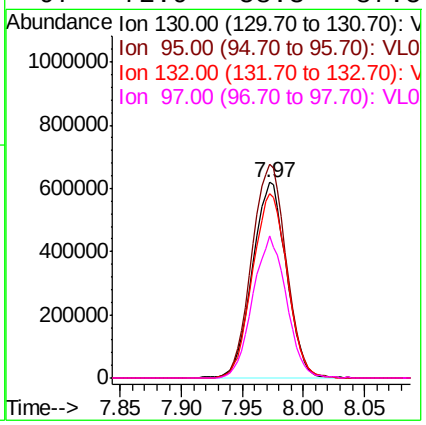


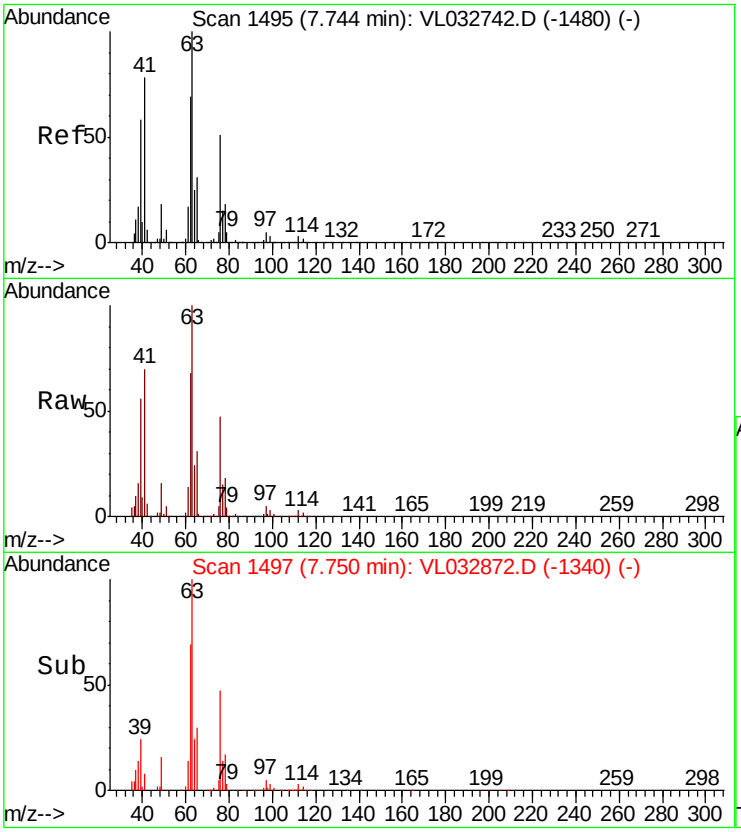


#38
Trichloroethene
Concen: 10.786 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:130 Resp: 1191967

Ion	Ratio	Lower	Upper
130	100		
95	109.5	87.7	131.5
132	94.3	74.6	111.8
97	72.9	58.3	87.5



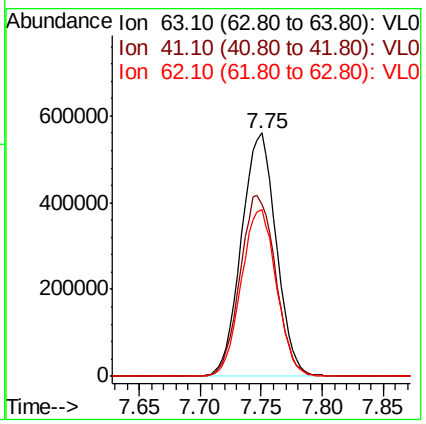


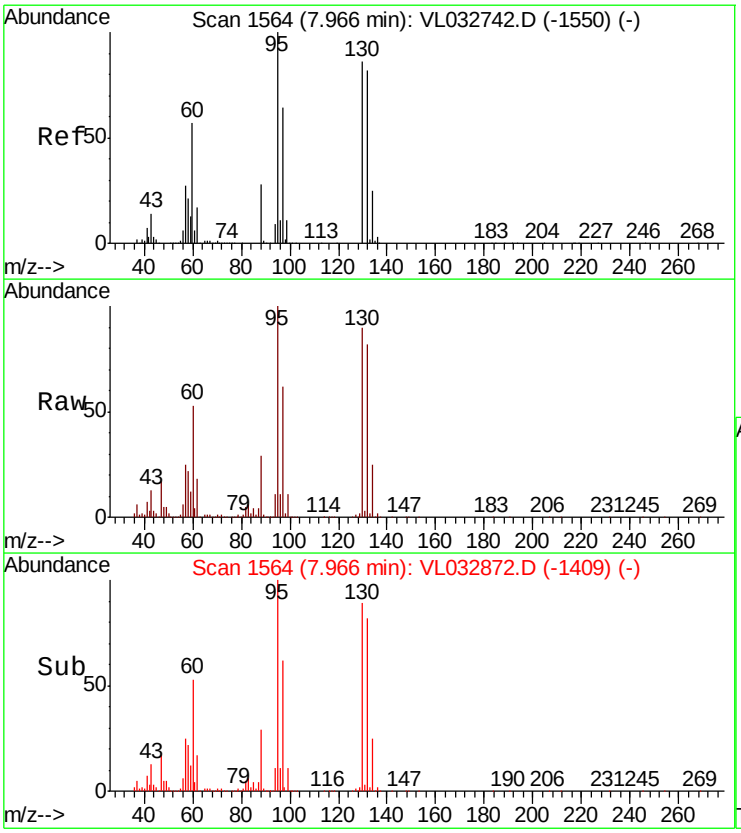
#39
1,2-Dichloropropane
Concen: 10.574 ppbv
RT: 7.75 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1100127

Ion	Ratio	Lower	Upper
63	100		
41	70.4	62.0	93.0
62	68.4	55.4	83.2

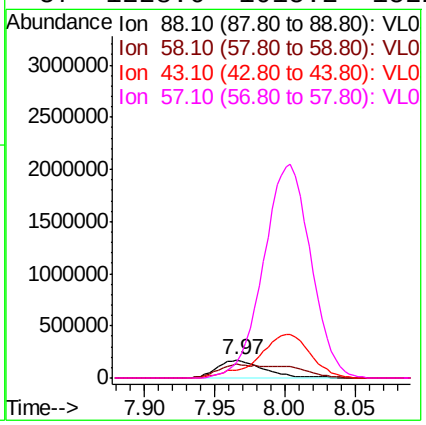


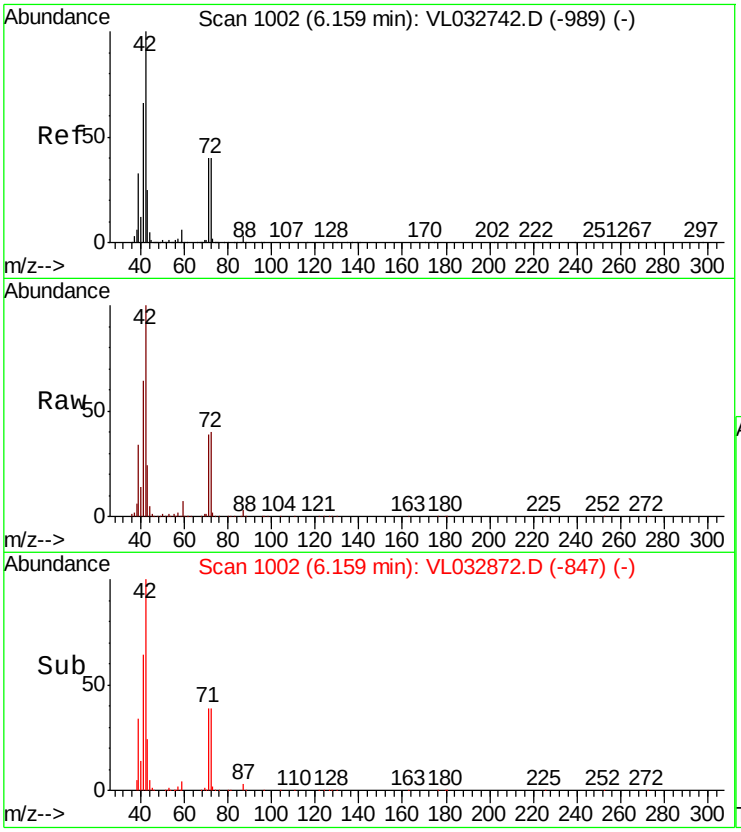


#40
1,4-Dioxane
Concen: 10.509 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 88 Resp: 390510

Ion	Ratio	Lower	Upper
88	100		
58	128.8	105.3	157.9
43	273.4	226.1	339.1
57	1228.6	1015.2	1522.8



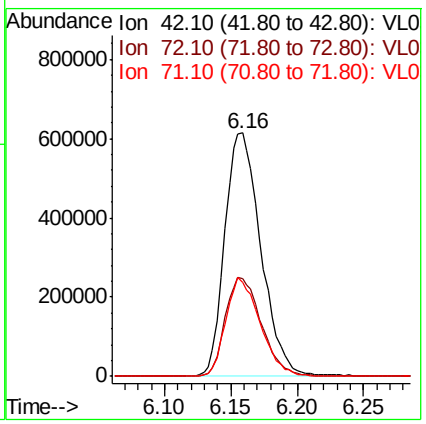


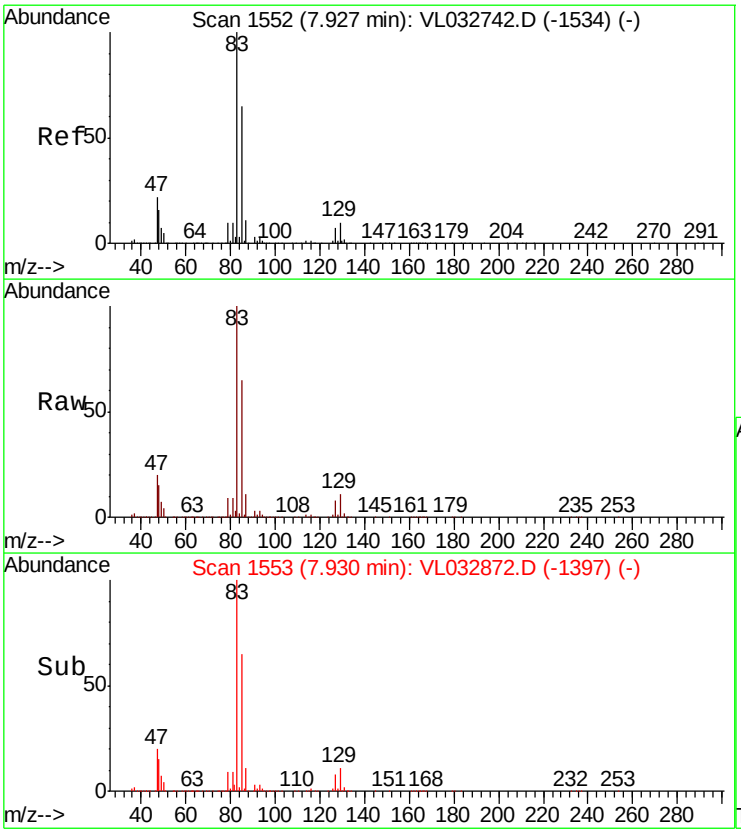
#41
Tetrahydrofuran
Concen: 11.373 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1160249

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.4	48.6
71	38.9	31.6	47.4

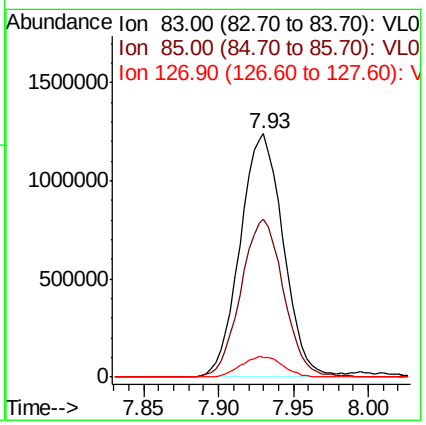


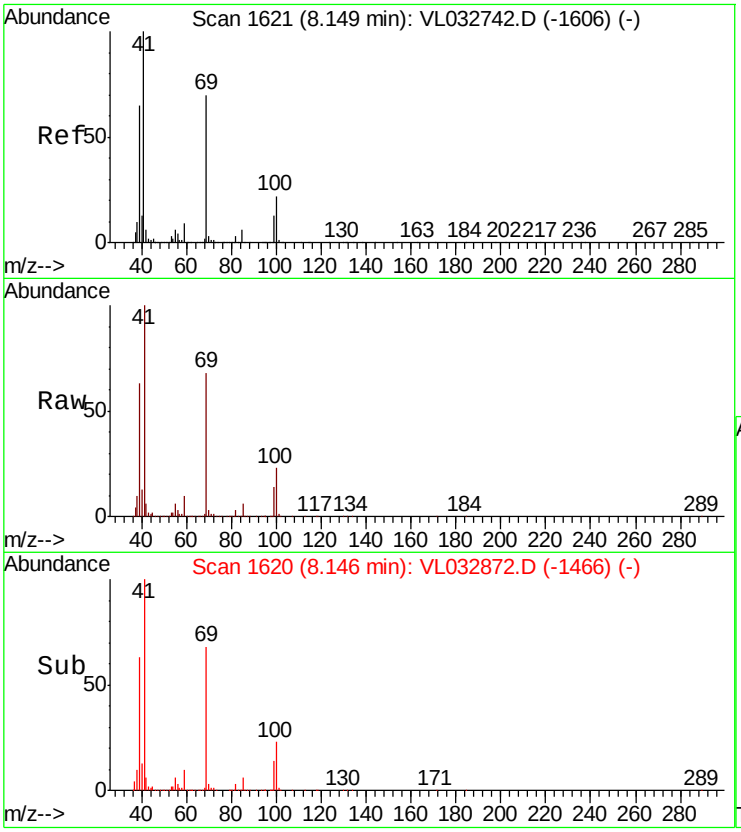


#42
Bromodichloromethane
Concen: 9.970 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 83 Resp: 2484190

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	8.2	5.9	8.9



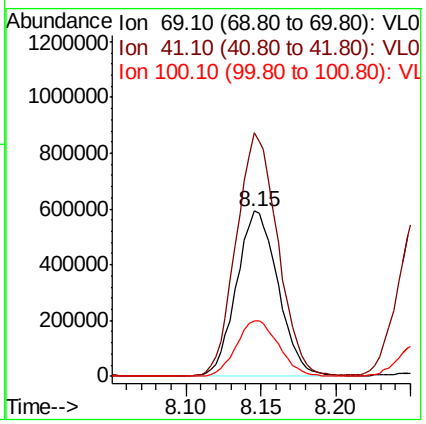


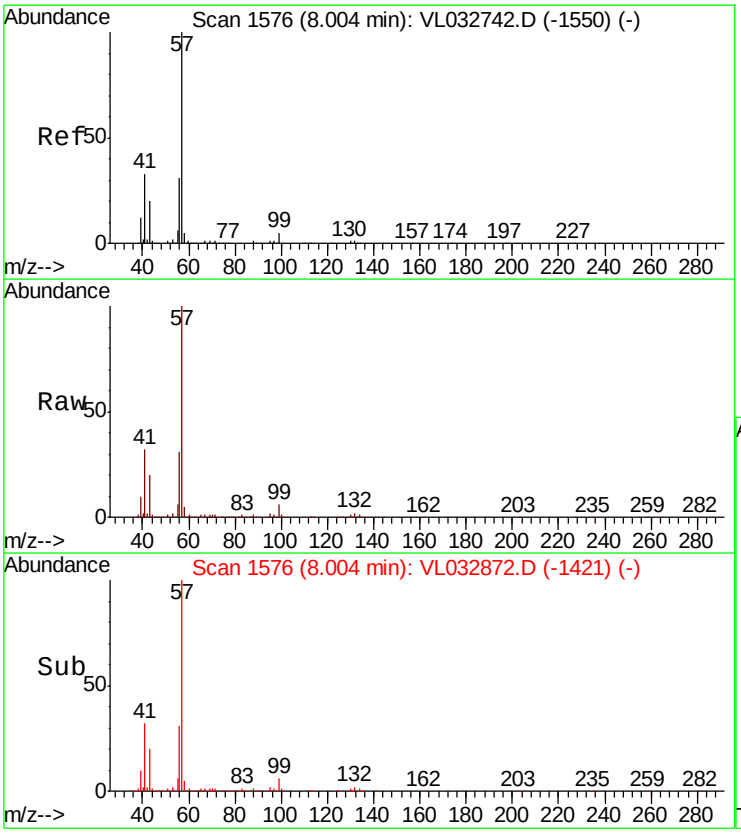
#43
Methyl Methacrylate
Concen: 11.237 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1145497

Ion	Ratio	Lower	Upper
69	100		
41	147.1	115.0	172.4
100	34.4	25.4	38.0

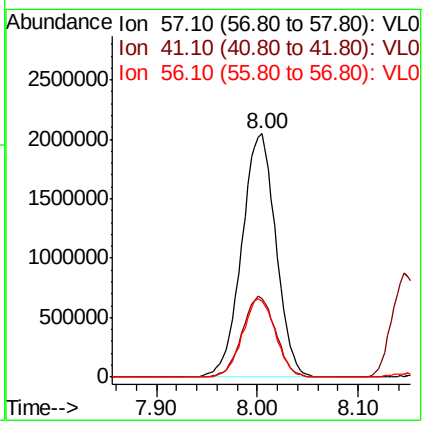


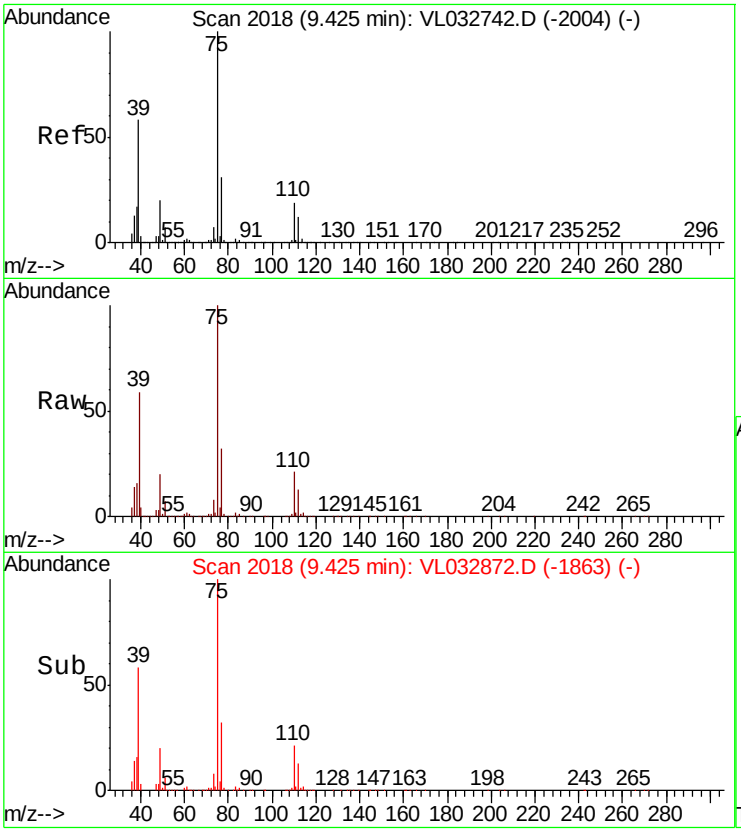


#44
2,2,4-Trimethylpentane
Concen: 10.506 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 57 Resp: 4794005

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.6	39.8
56	31.0	24.8	37.2



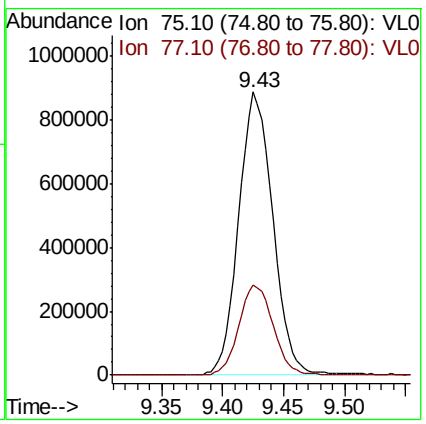


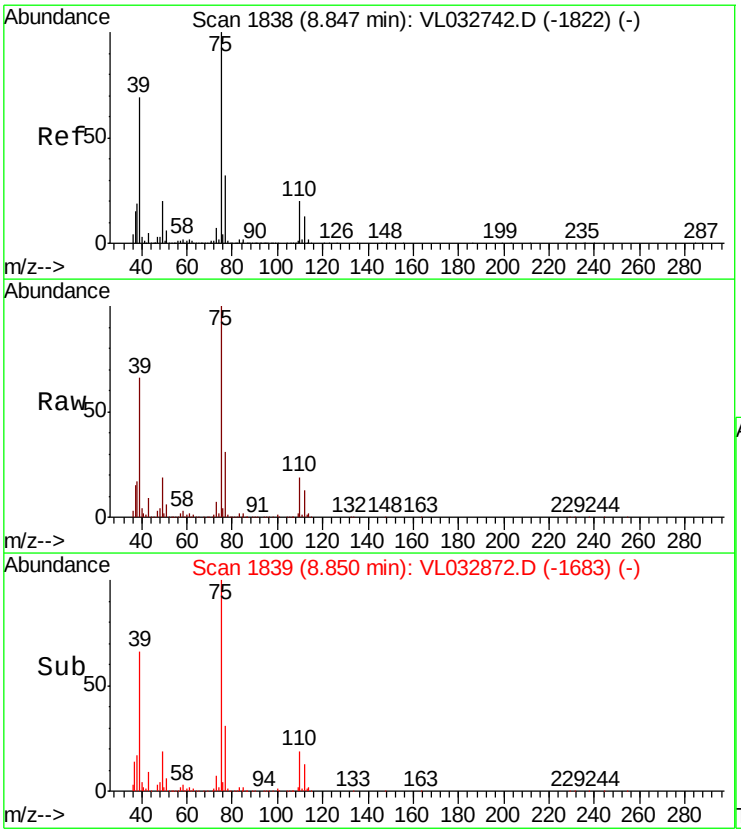
#45
t-1,3-Dichloropropene
Concen: 12.506 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1710686

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8

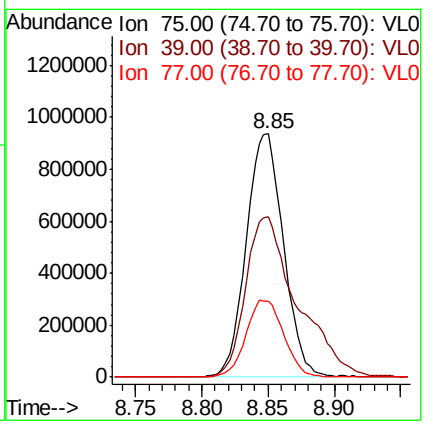


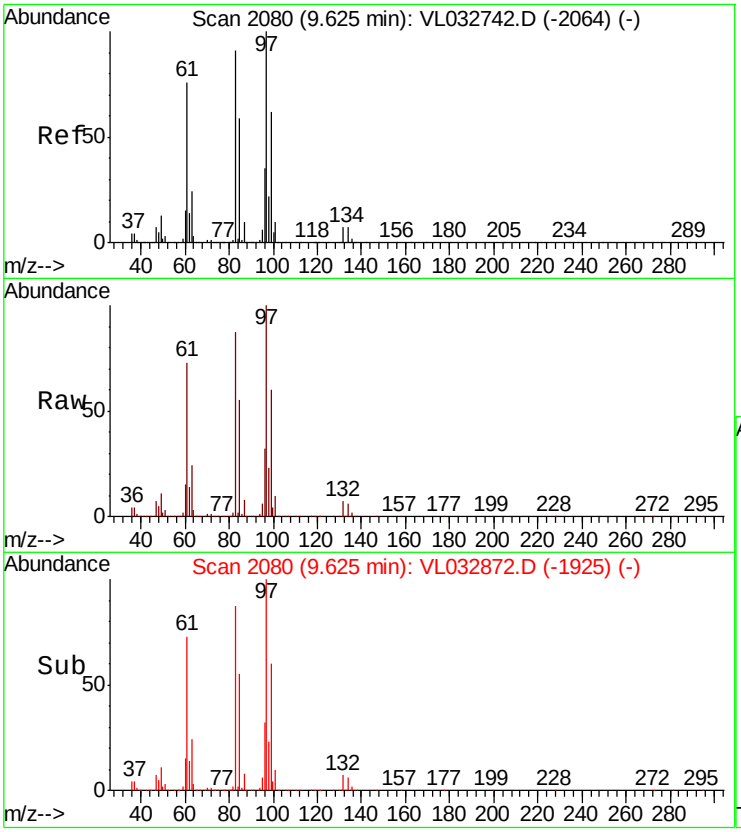


#46
cis-1,3-Dichloropropene
Concen: 11.055 ppbv
RT: 8.85 min Scan# 1839
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 75 Resp: 1826998

Ion	Ratio	Lower	Upper
75	100		
39	65.9	55.2	82.8
77	31.2	25.8	38.6



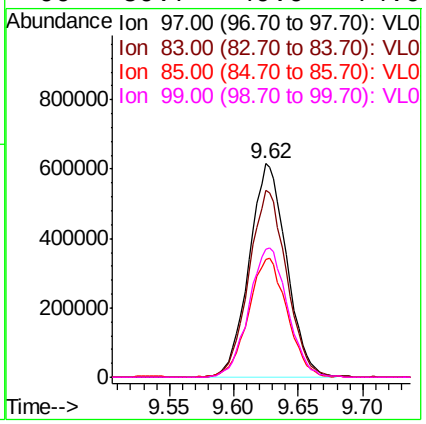


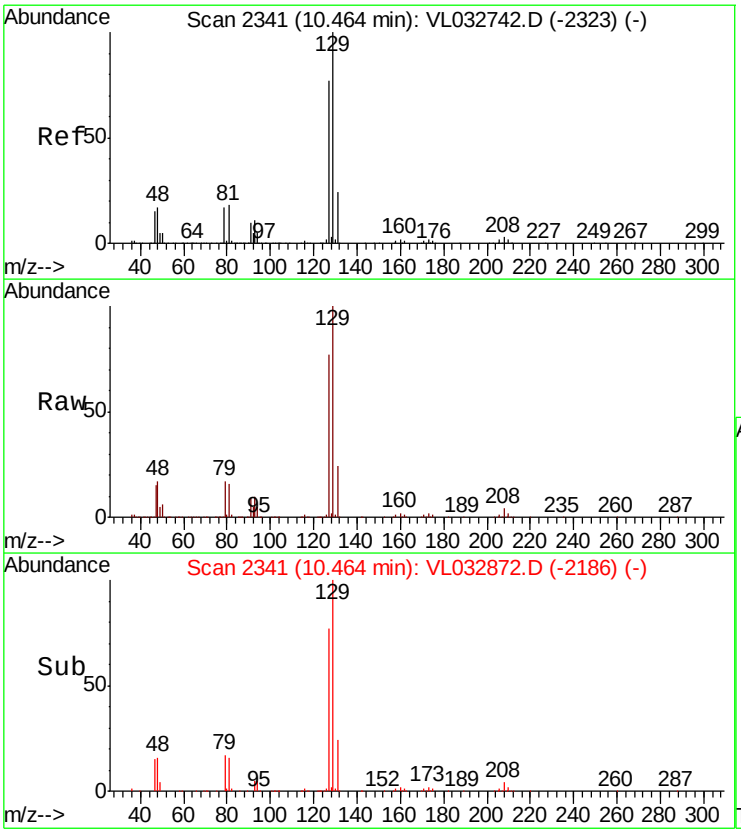
#47
1,1,2-Trichloroethane
Concen: 10.187 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1253191

Ion	Ratio	Lower	Upper
97	100		
83	87.3	73.0	109.4
85	55.0	47.0	70.4
99	59.7	49.9	74.9

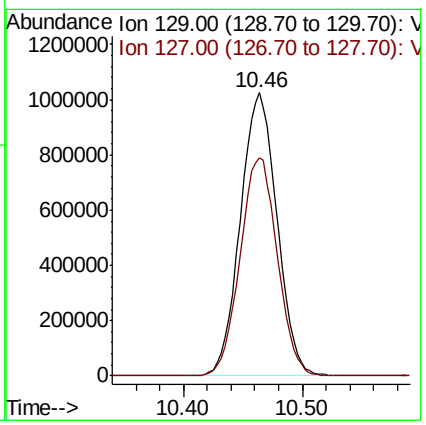


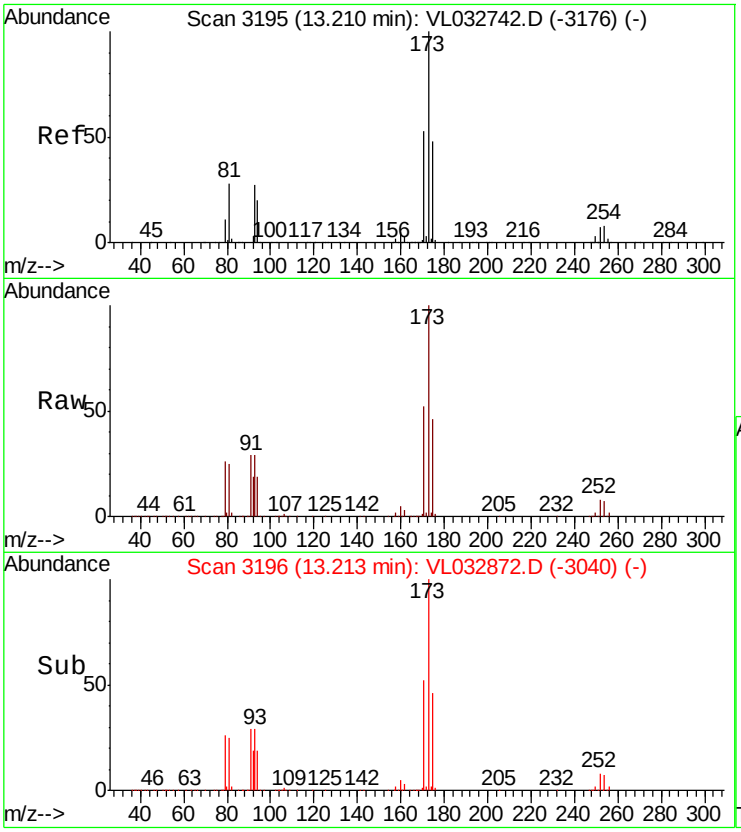


#48
Dibromochloromethane
Concen: 10.437 ppbv
RT: 10.46 min Scan# 2341
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:129 Resp: 2182276

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0



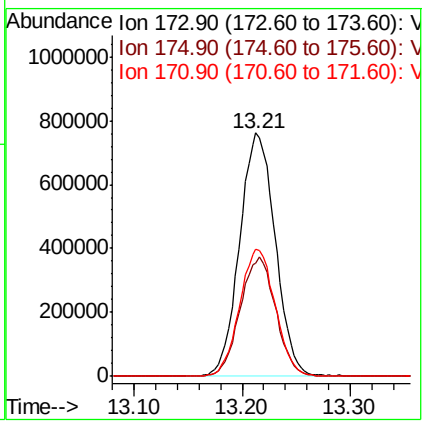


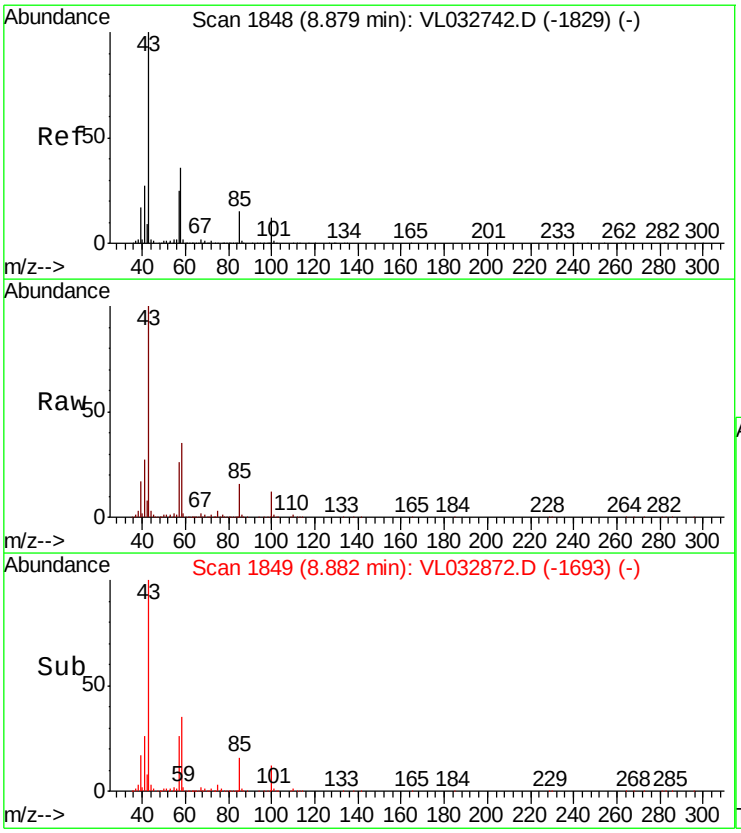
#49
Bromoform
Concen: 10.141 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1751206

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.0
171	52.4	42.0	63.0

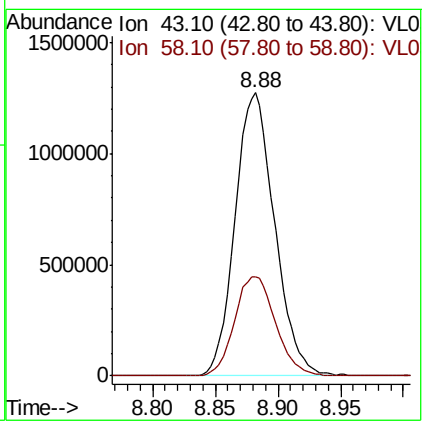


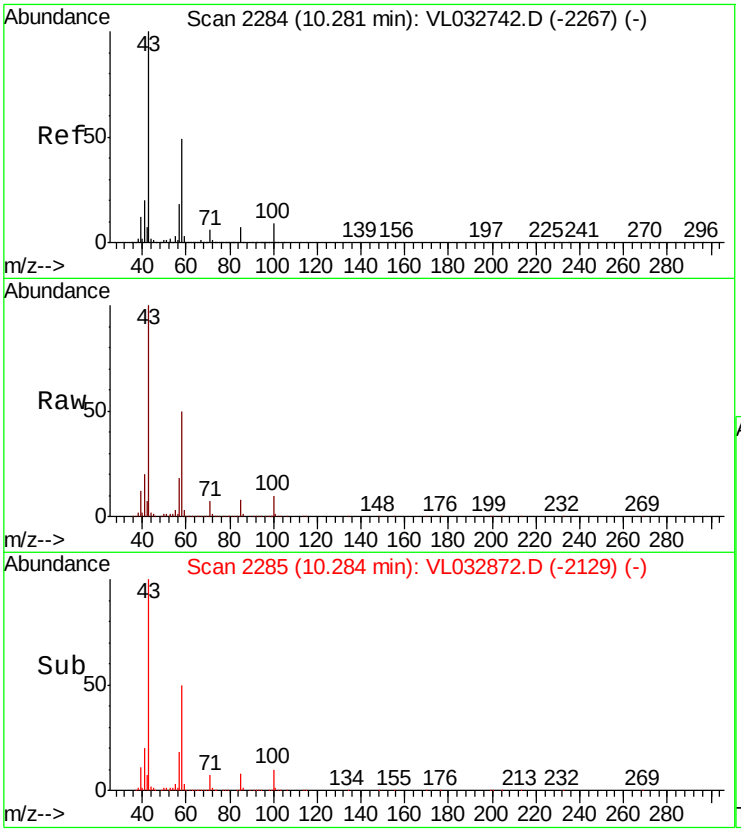


#50
4-Methyl-2-Pentanone
Concen: 10.036 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 43 Resp: 2787815

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.8	43.2



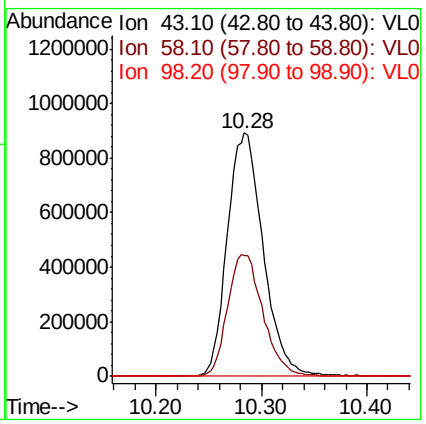


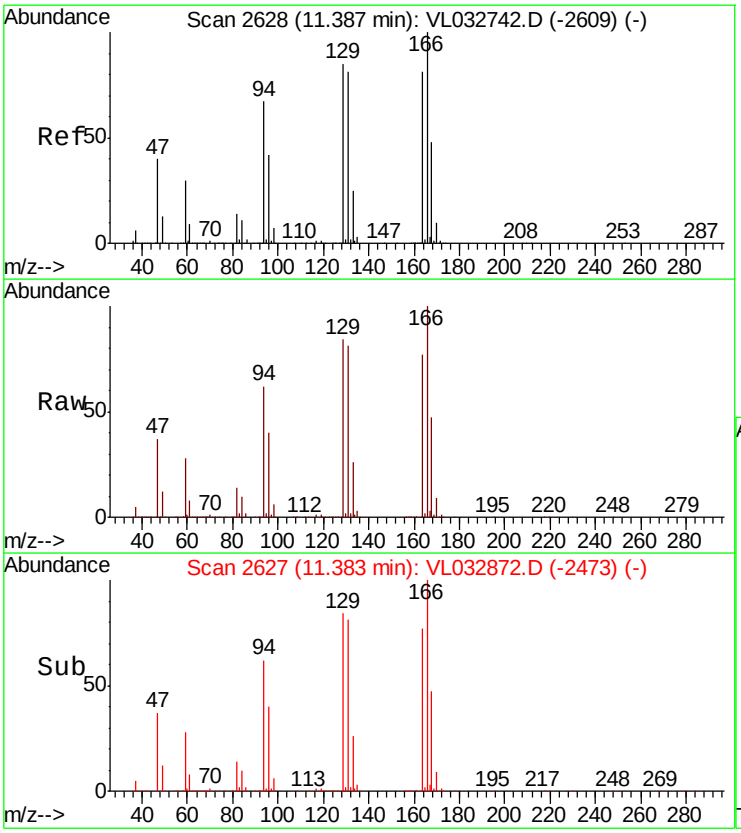
#51
2-Hexanone
Concen: 11.733 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2099737

Ion	Ratio	Lower	Upper
43	100		
58	49.6	38.9	58.3
98	0.3	0.2	0.4

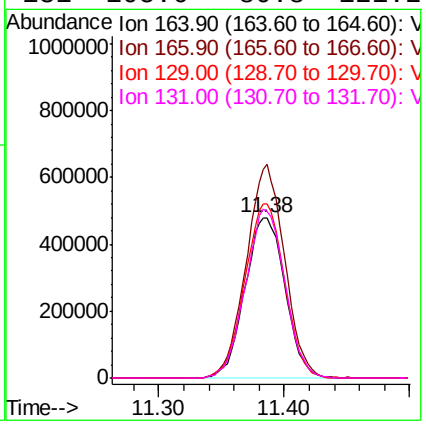


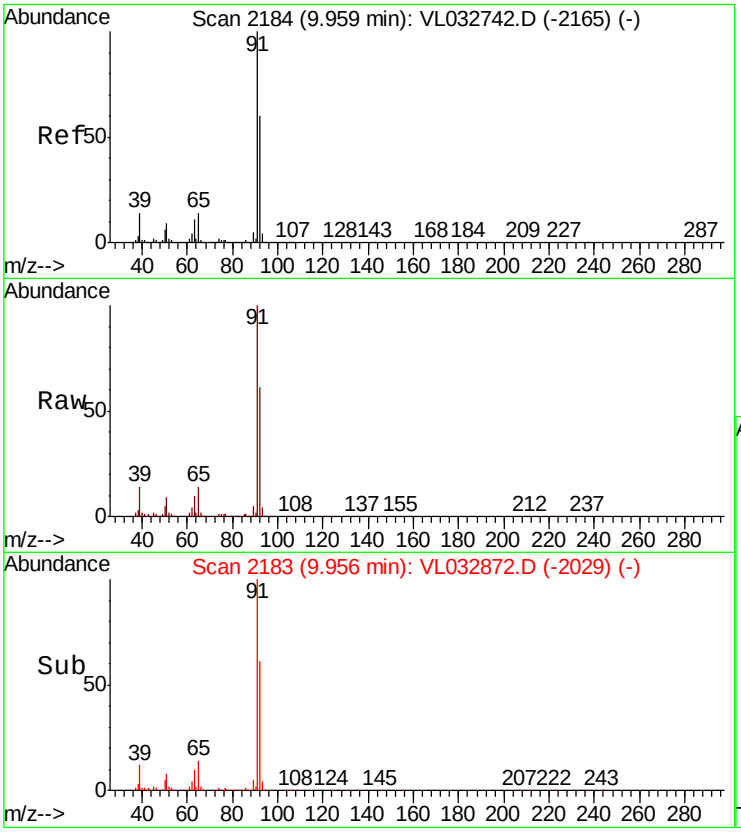


#52
Tetrachloroethene
Concen: 11.187 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:164 Resp: 1062632

Ion	Ratio	Lower	Upper
164	100		
166	130.1	99.3	148.9
129	108.8	83.9	125.9
131	105.6	80.8	121.2



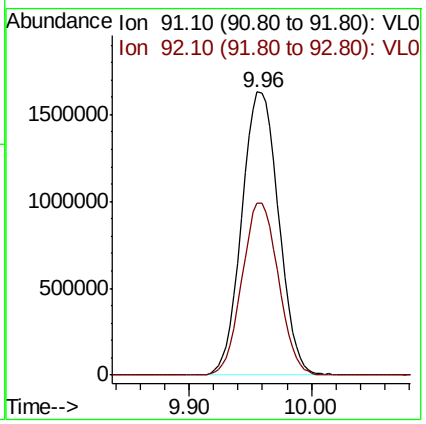


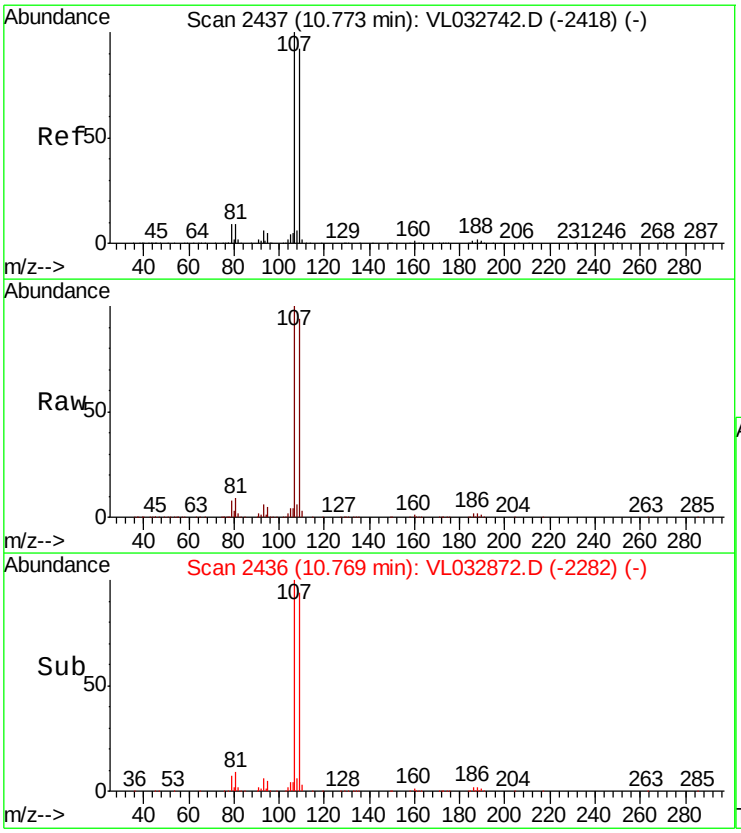
#53
Toluene
Concen: 11.921 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3395981

Ion	Ratio	Lower	Upper
91	100		
92	60.3	47.9	71.9

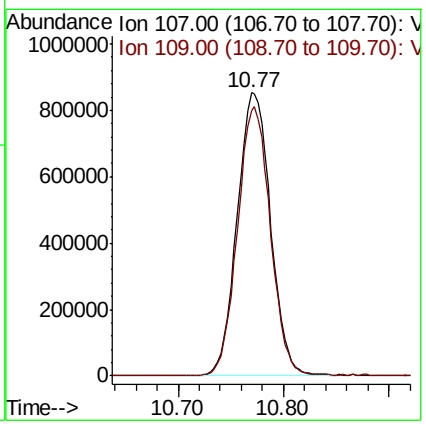


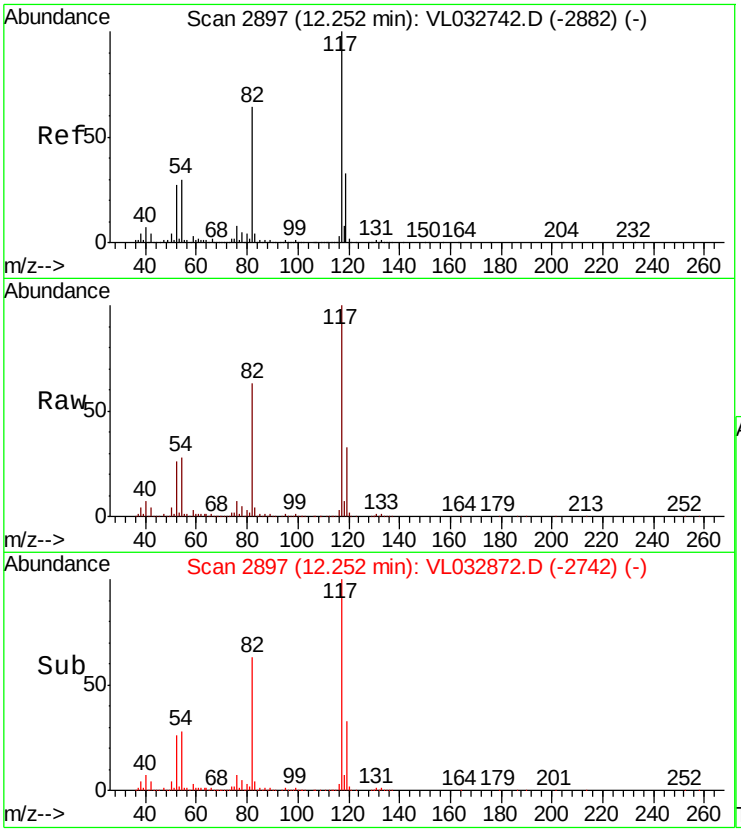


#54
1,2-Dibromoethane
Concen: 10.820 ppbv
RT: 10.77 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:107 Resp: 1881613

Ion	Ratio	Lower	Upper
107	100		
109	93.7	73.8	110.8



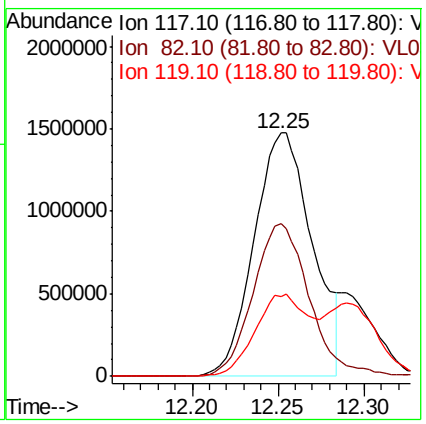


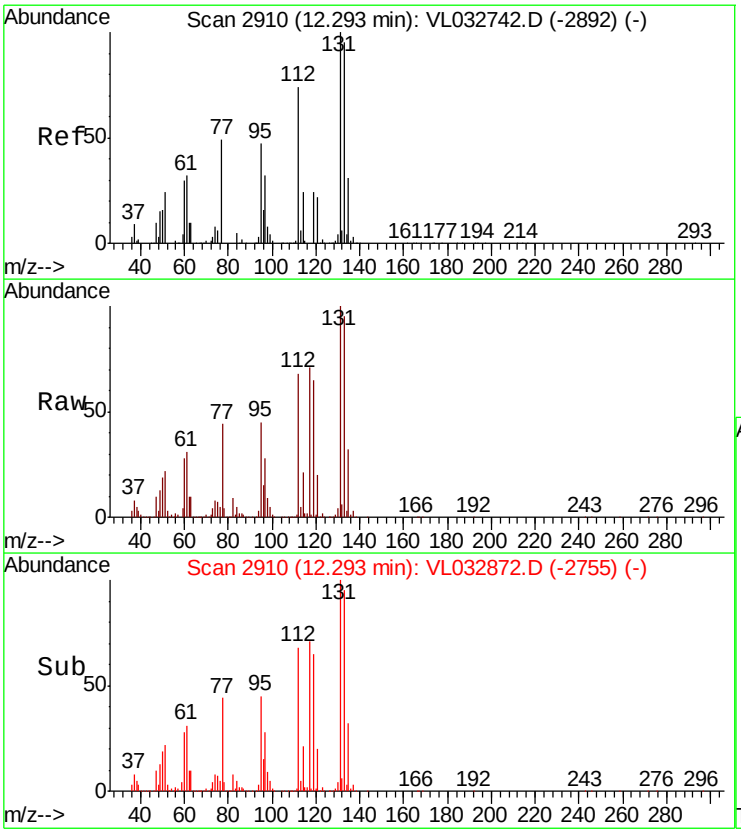
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3469707

Ion	Ratio	Lower	Upper
117	100		
82	60.9	51.0	76.6
119	30.0	28.0	42.0

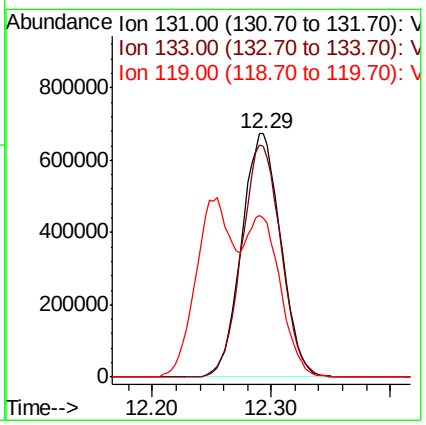


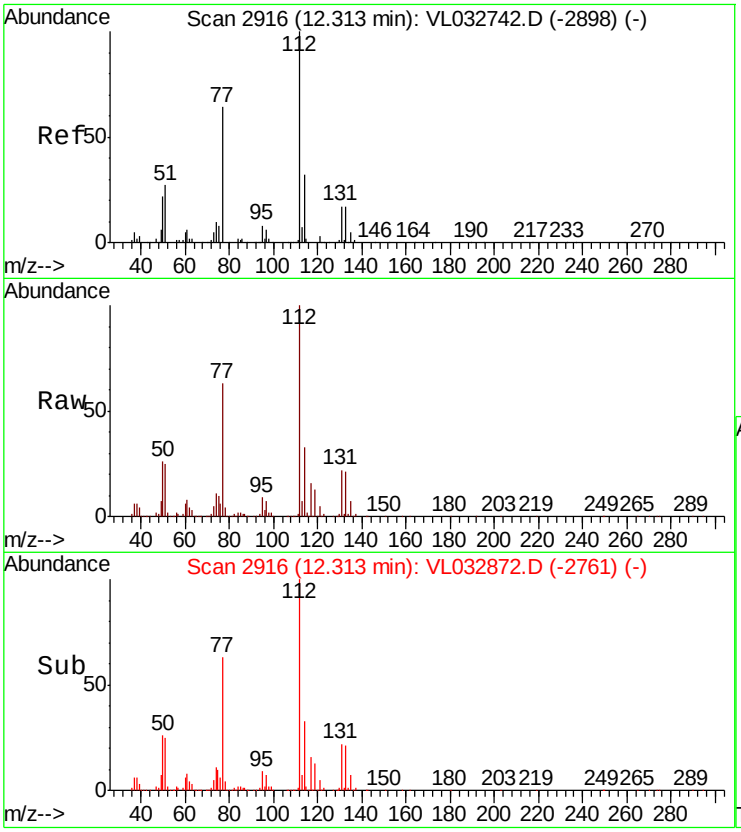


#56
1,1,1,2-Tetrachloroethane
Concen: 9.502 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:131 Resp: 1537660

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	58.5	45.2	67.8



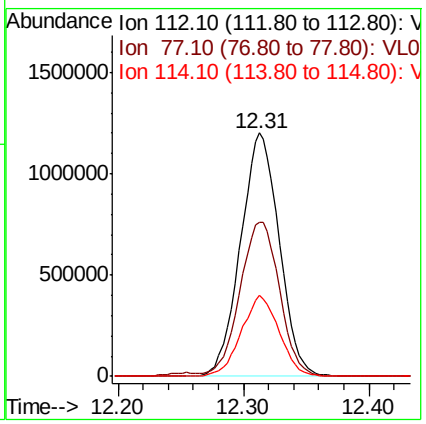


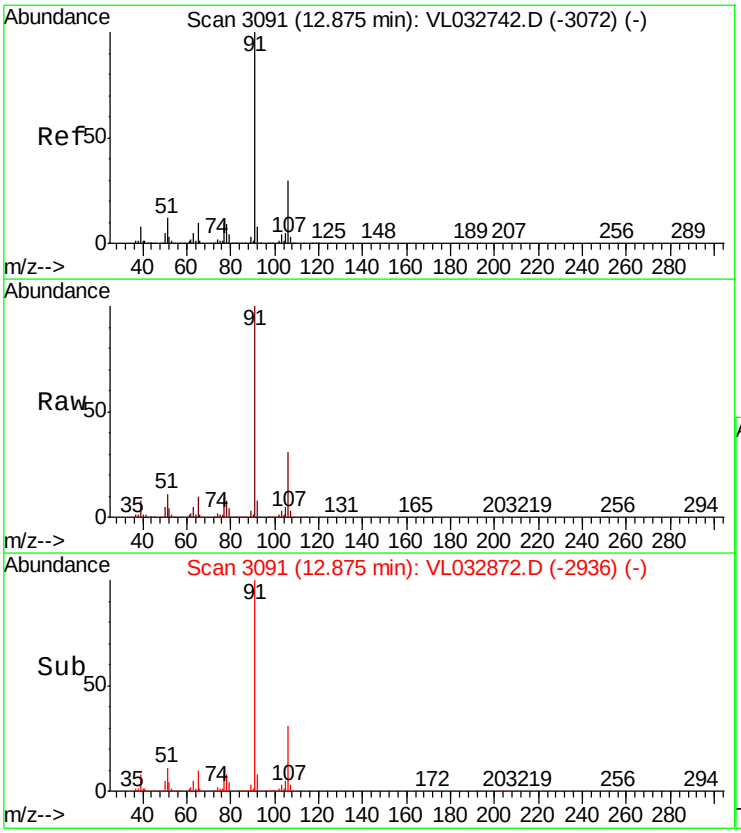
#57
Chlorobenzene
Concen: 9.678 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2570463

Ion	Ratio	Lower	Upper
112	100		
77	62.8	52.3	78.5
114	33.1	28.4	34.8

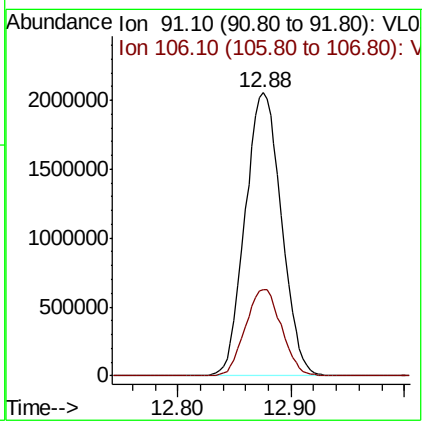


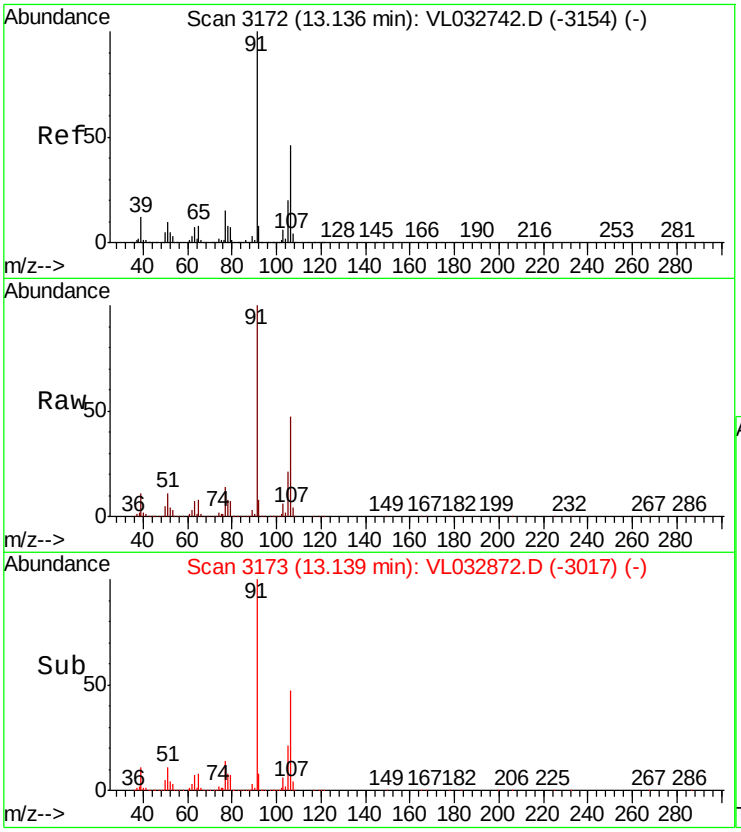


#58
Ethyl Benzene
Concen: 10.973 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 91 Resp: 4582002

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.6	35.4



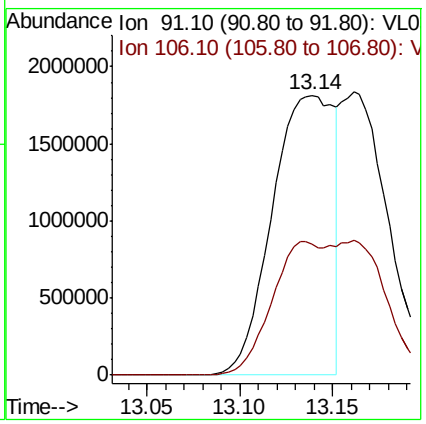


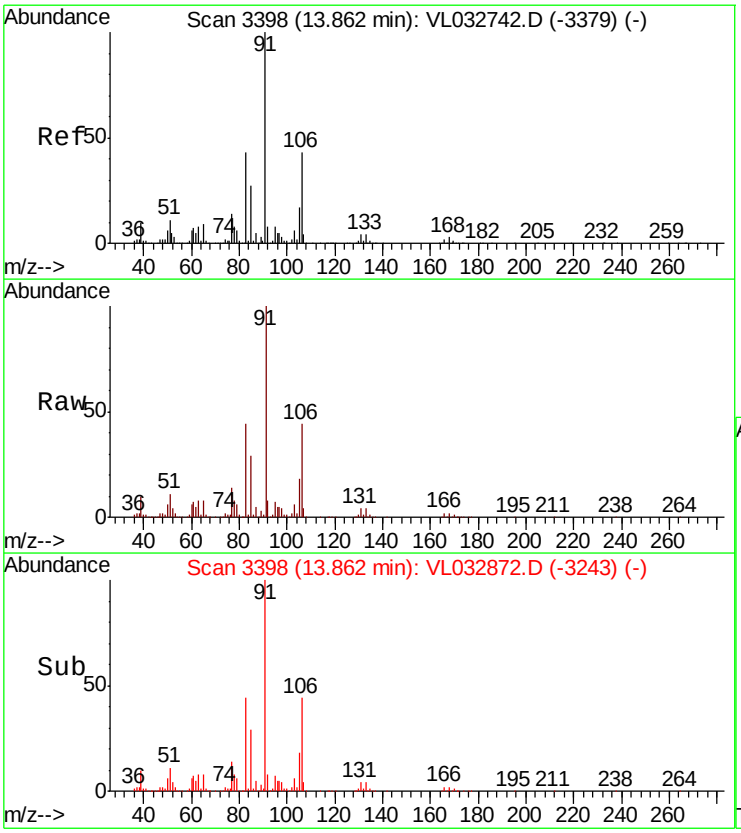
#59
m/p-Xylene
Concen: 11.307 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4203310

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

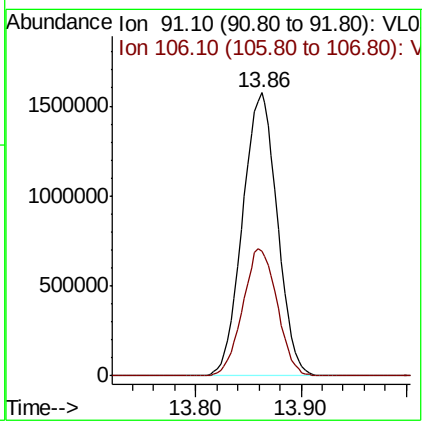


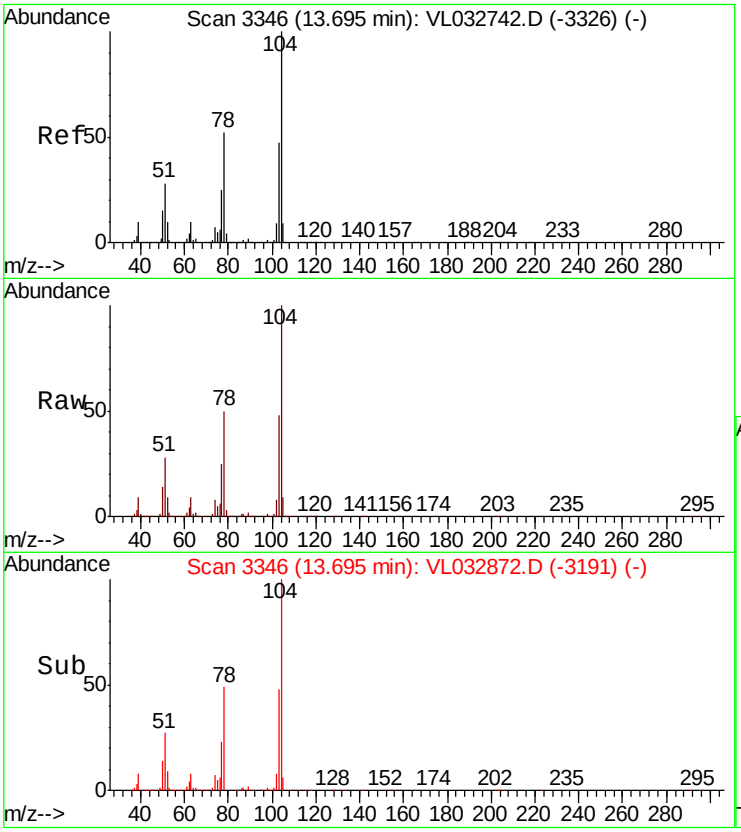


#60
o-Xylene
Concen: 9.626 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 91 Resp: 3597792

Ion	Ratio	Lower	Upper
91	100		
106	44.7	21.9	65.7



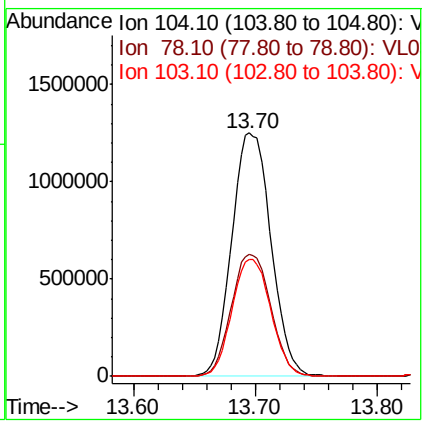


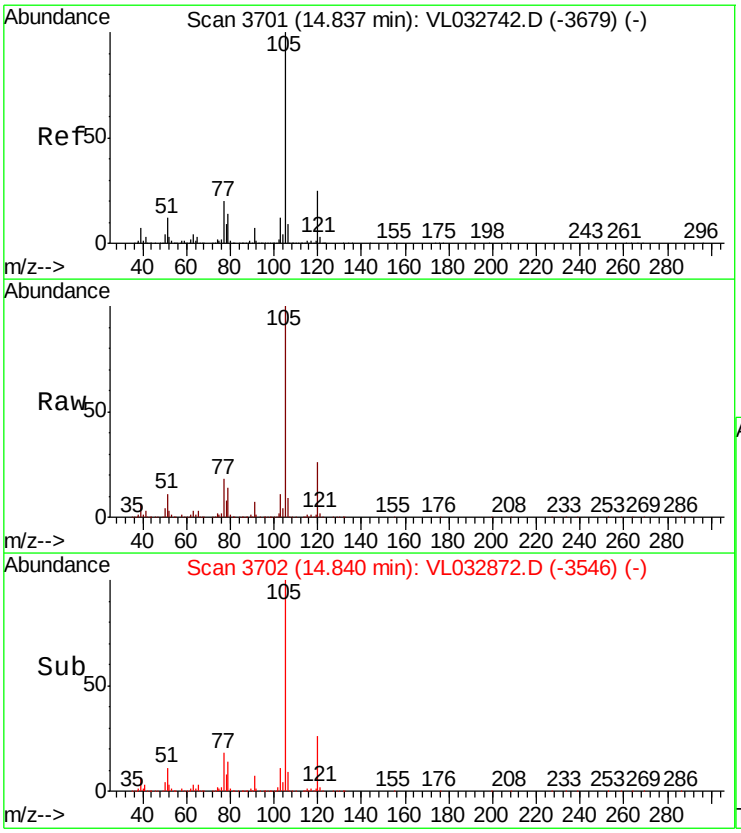
#61
Stvrene
Concen: 11.438 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2783021

Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.2	63.4
103	47.7	38.2	57.2

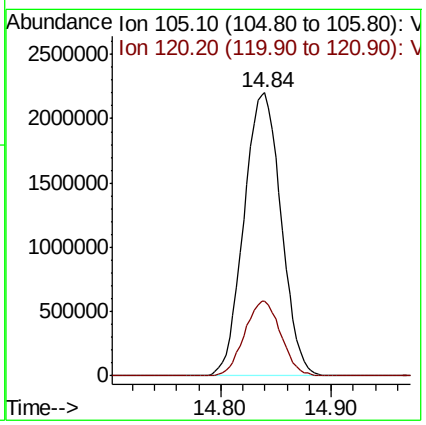


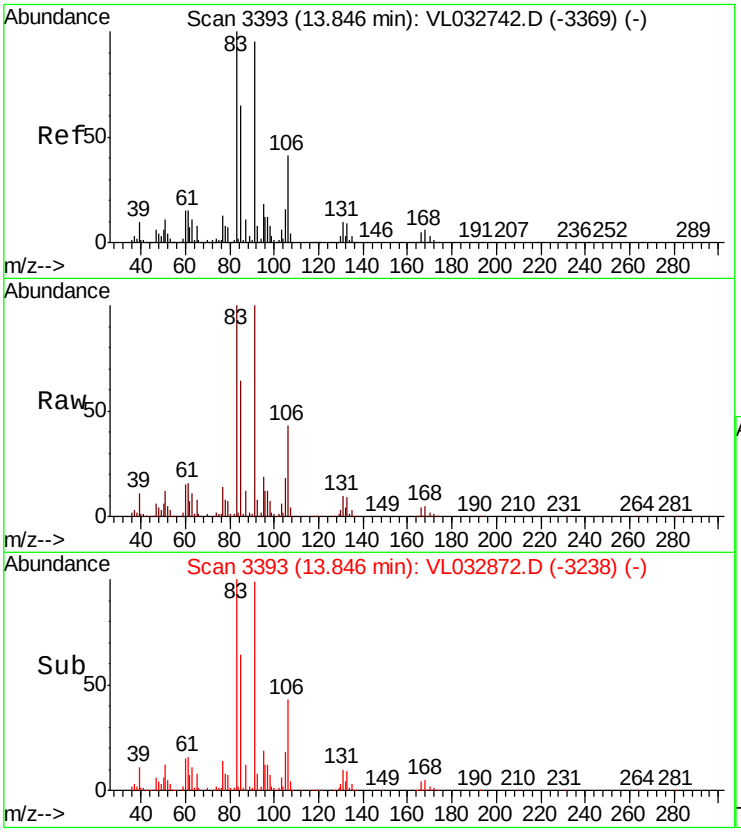


#62
Isopropylbenzene
Concen: 10.207 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:105 Resp: 5156700

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.1	30.1



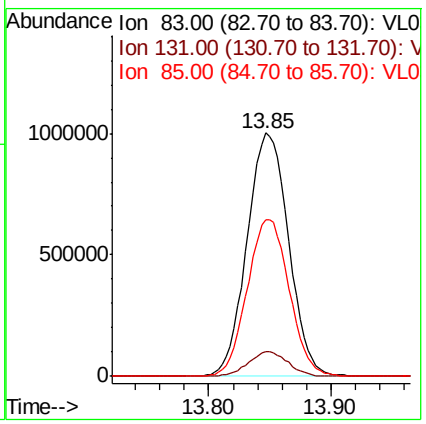


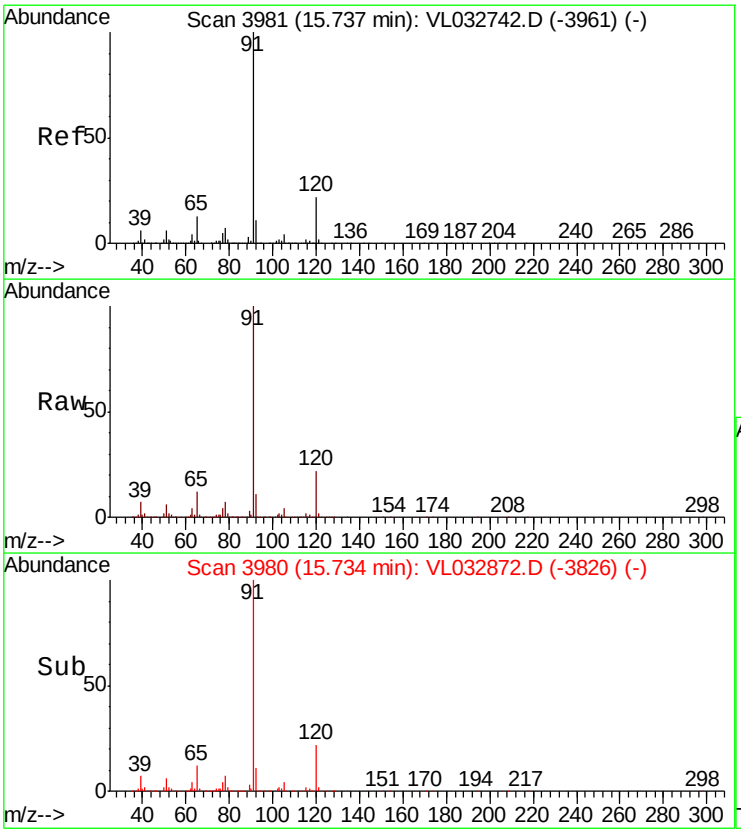
#63
1,1,2,2-Tetrachloroethane
Concen: 8.105 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2361501

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.7	14.1
85	65.4	32.5	97.4

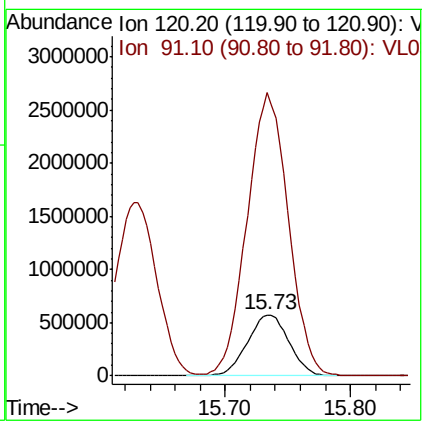


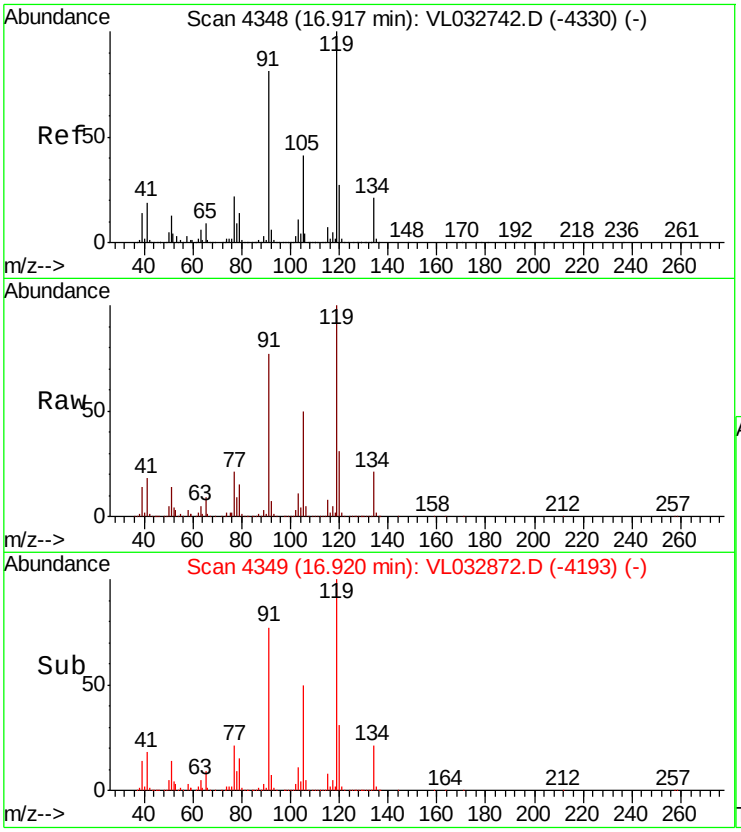


#64
n-propylbenzene
Concen: 9.918 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:120 Resp: 1317994

Ion	Ratio	Lower	Upper
120	100		
91	463.4	381.7	572.5



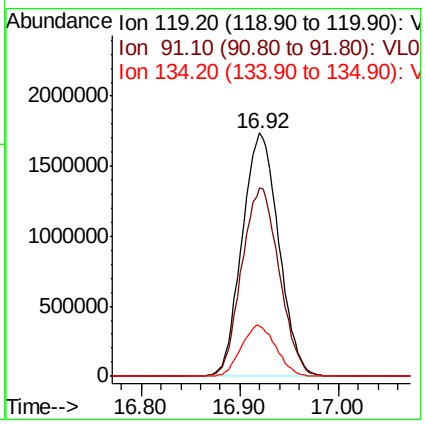


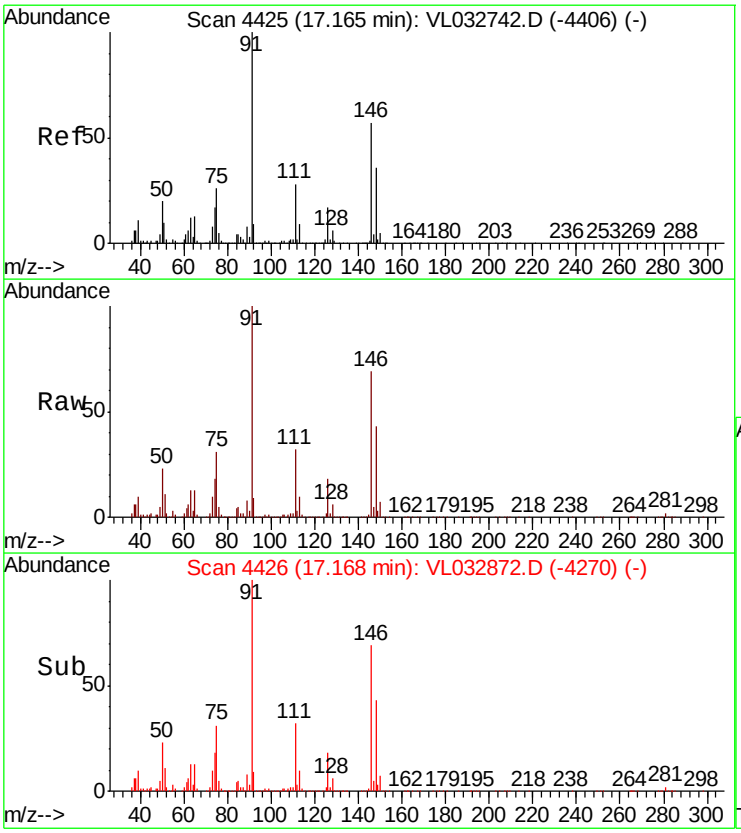
#65
tert-Butylbenzene
Concen: 9.840 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4456387

Ion	Ratio	Lower	Upper
119	100		
91	79.5	65.6	98.4
134	20.0	15.9	23.9

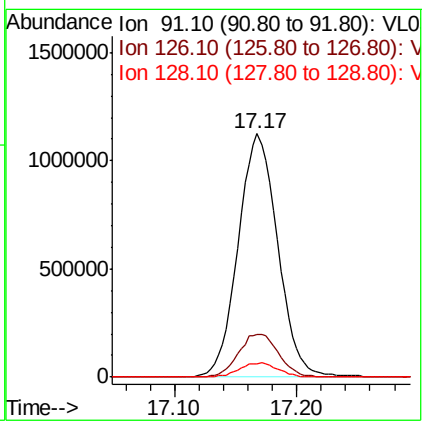


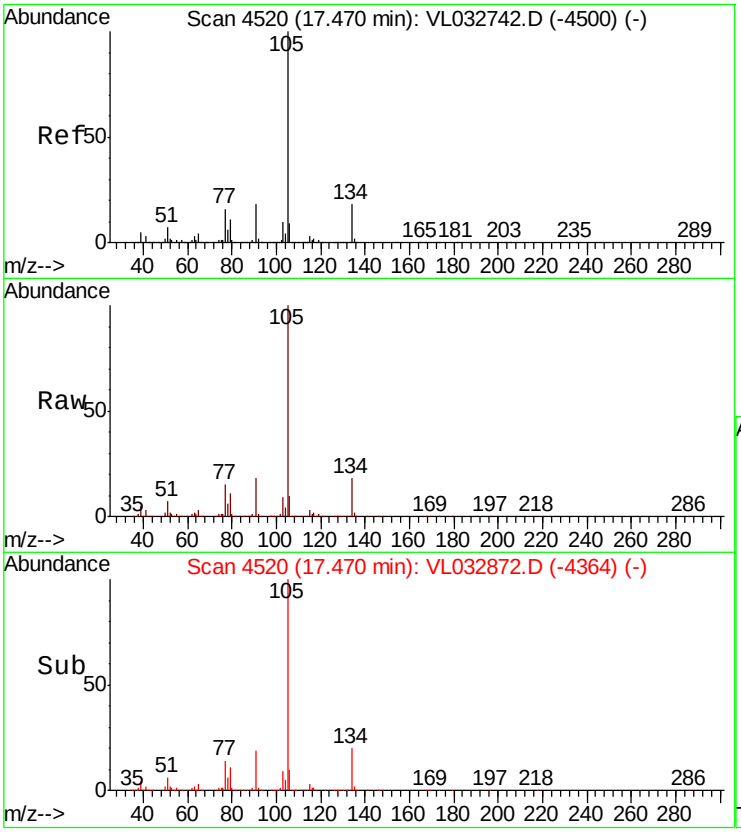


#66
Benzyl Chloride
Concen: 9.995 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 91 Resp: 2502468

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.2	21.2
128	5.8	4.5	6.7



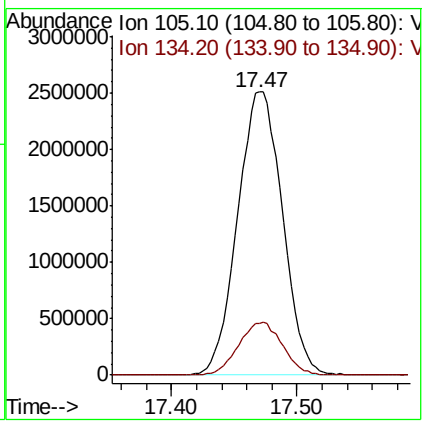


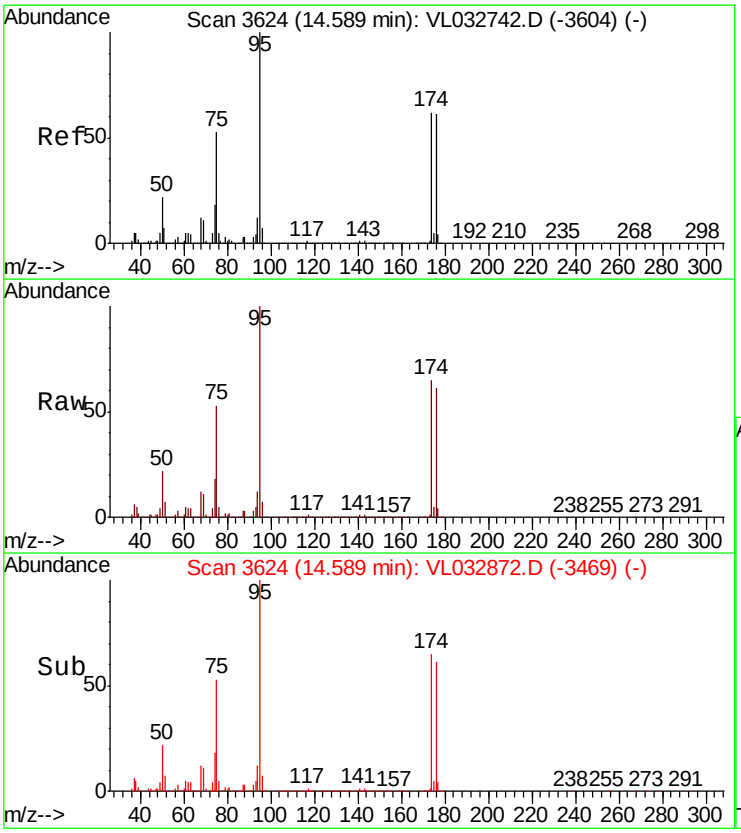
#67
sec-Butylbenzene
Concen: 9.560 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 6239440

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	21.8

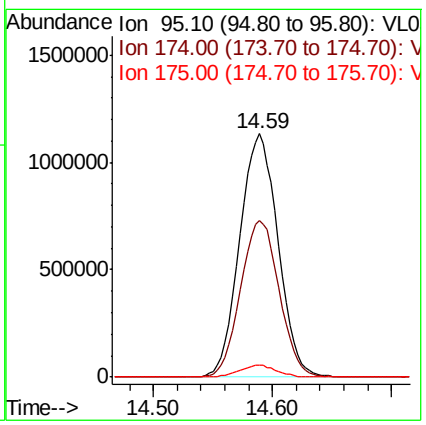


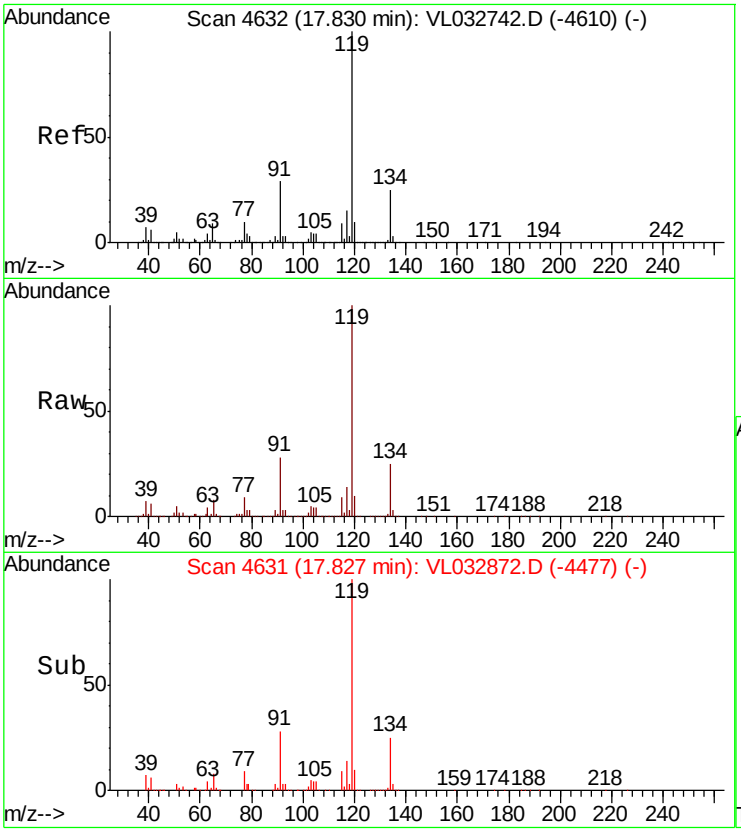


#68
1-Bromo-4-Fluorobenzene
Concen: 9.725 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 95 Resp: 2523754

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



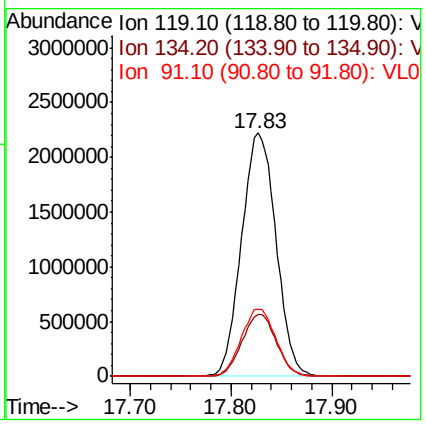


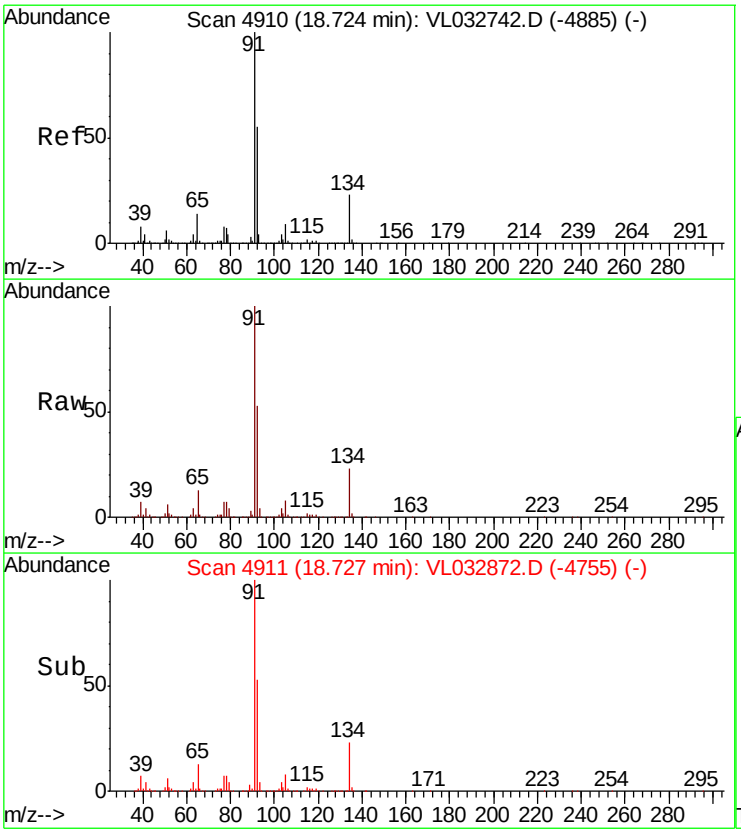
#69
p-Isopropyltoluene
Concen: 10.126 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 5254782

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	27.8	23.5	35.3

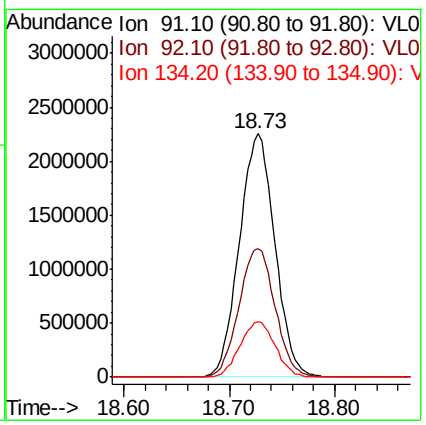


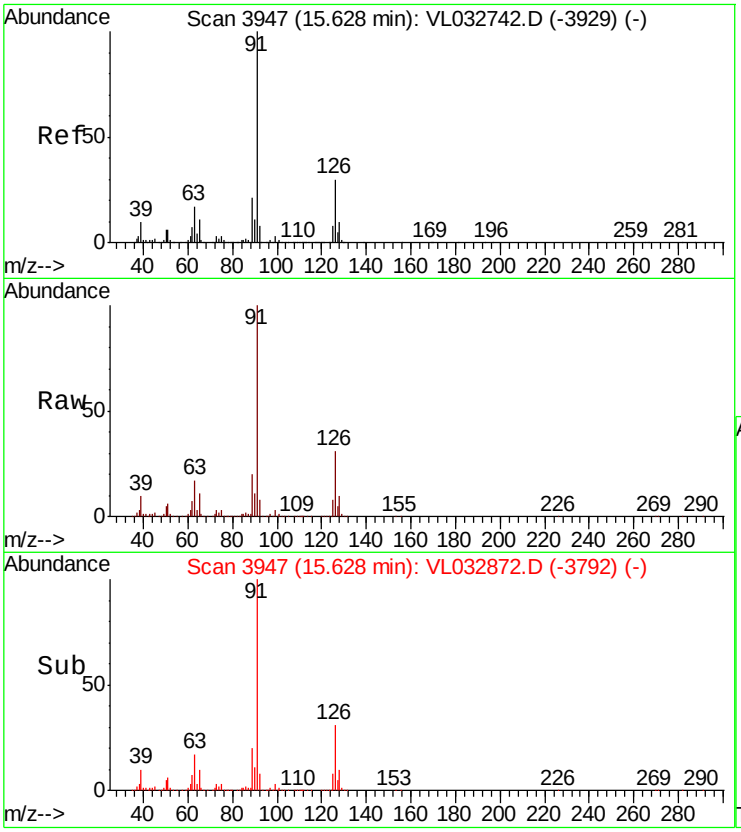


#70
n-Butylbenzene
Concen: 10.008 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion: 91 Resp: 5273525

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.9	64.3
134	22.7	17.8	26.8



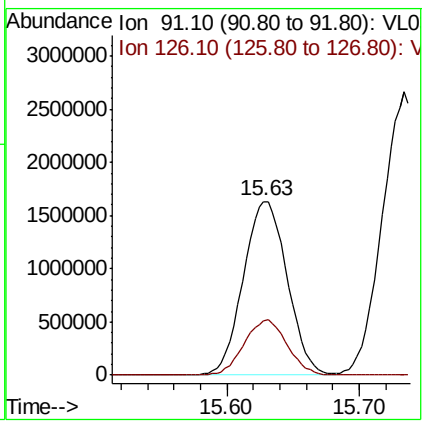


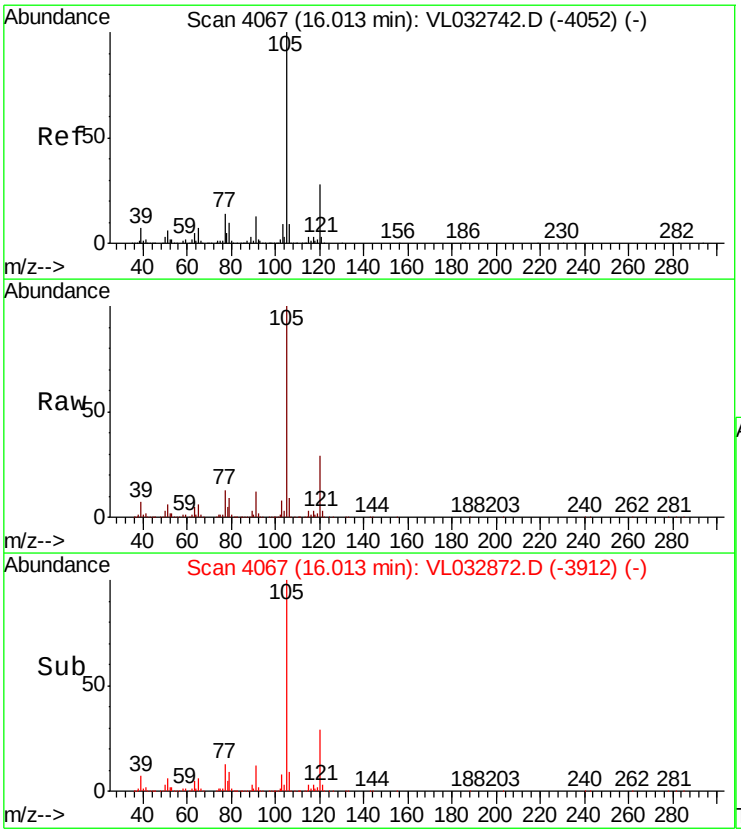
#71
2-Chlorotoluene
Concen: 9.989 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3763581

Ion	Ratio	Lower	Upper
91	100		
126	31.2	12.1	48.5

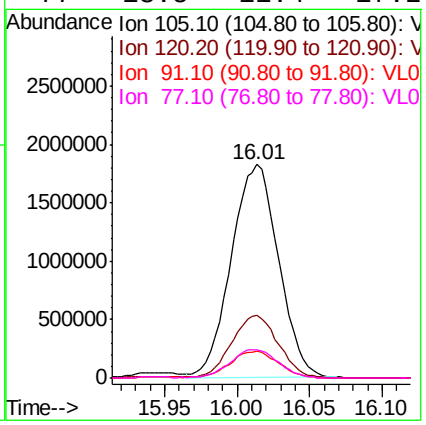


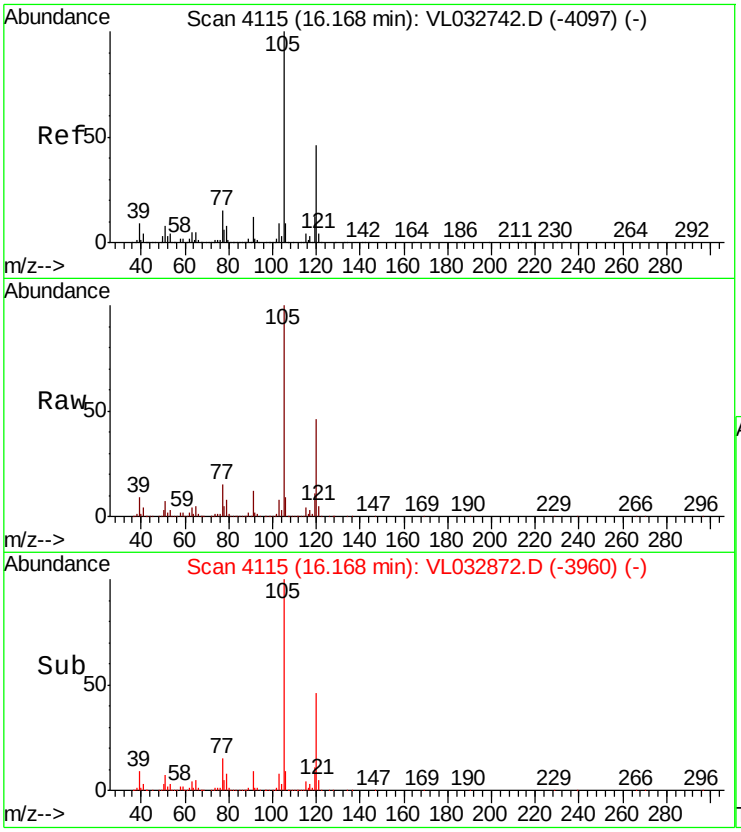


#72
4-Ethyltoluene
Concen: 10.115 ppbv
RT: 16.01 min Scan# 4067
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:105 Resp: 4144163

Ion	Ratio	Lower	Upper
105	100		
120	29.1	22.9	34.3
91	13.3	10.6	15.8
77	13.5	11.4	17.2



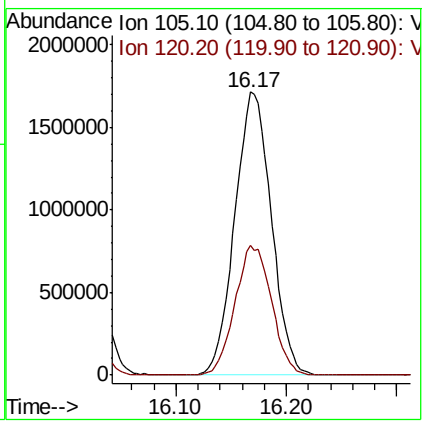


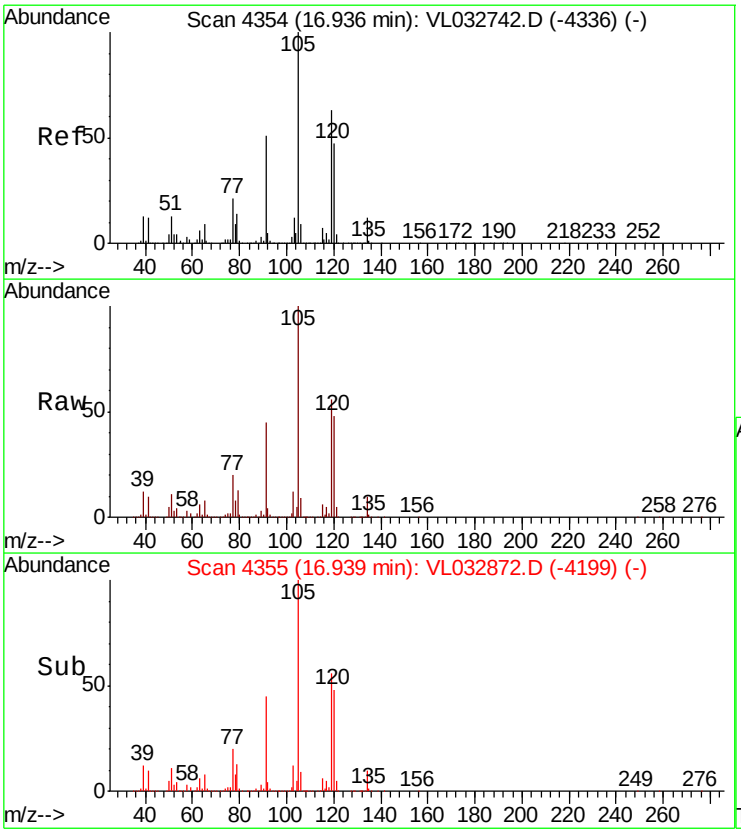
#73
1,3,5-Trimethylbenzene
Concen: 9.793 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3922626

Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.6	55.0

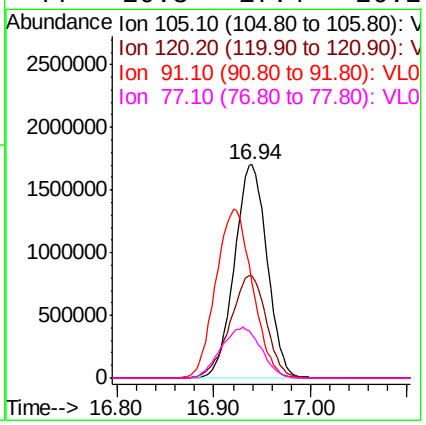


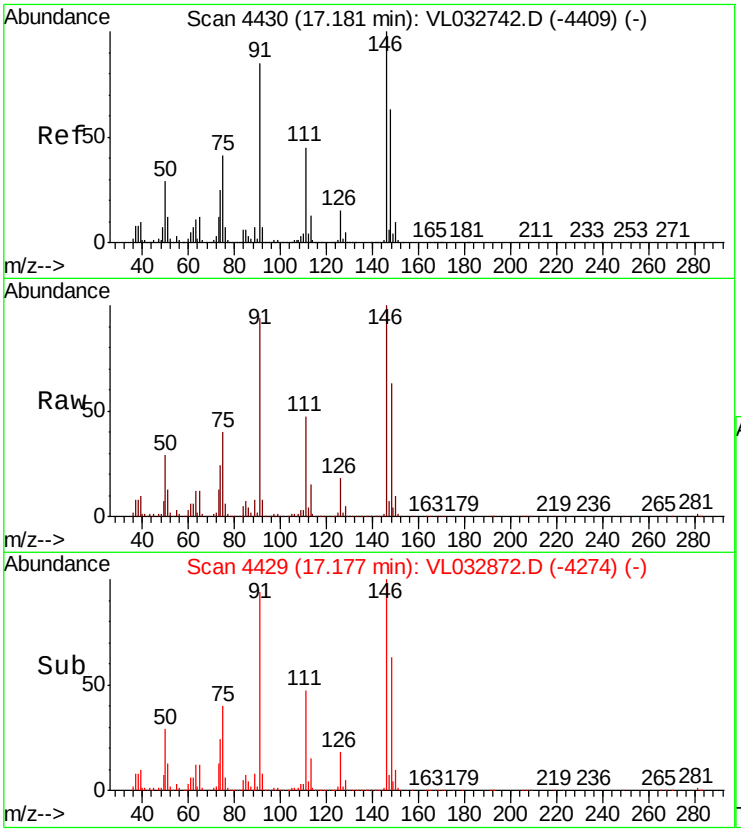


#74
1,2,4-Trimethylbenzene
Concen: 9.310 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:105 Resp: 3990465

Ion	Ratio	Lower	Upper
105	100		
120	48.0	37.6	56.4
91	45.0	42.5	63.7
77	20.3	17.4	26.2



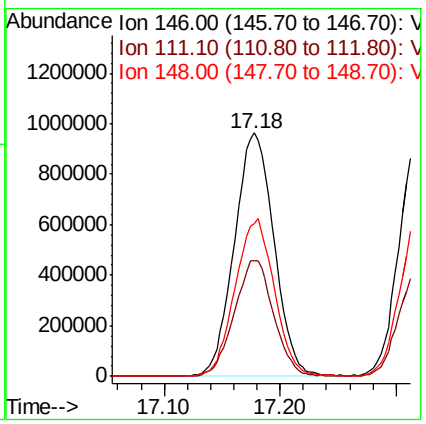


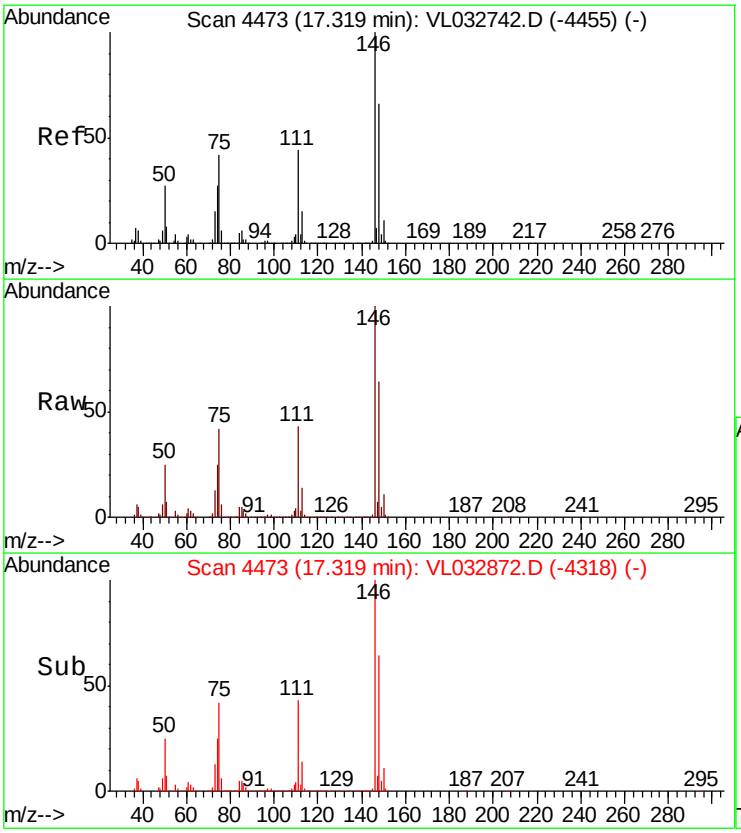
#75
1,3-Dichlorobenzene
Concen: 9.299 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2286233

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.5	70.6
148	64.1	31.8	95.3

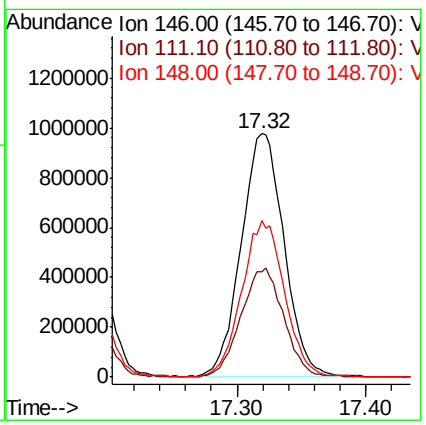


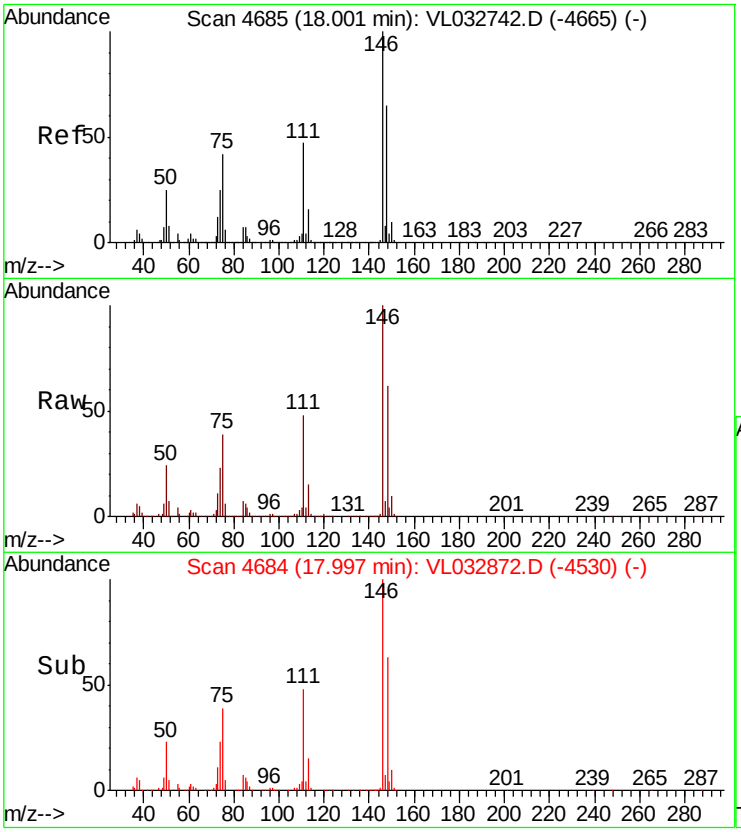


#76
1,4-Dichlorobenzene
Concen: 9.772 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:146 Resp: 2244307

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.5	67.5
148	64.7	32.5	97.5



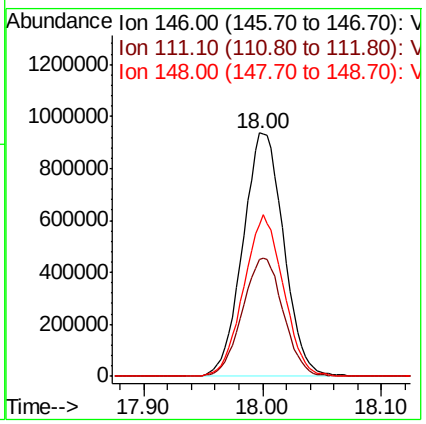


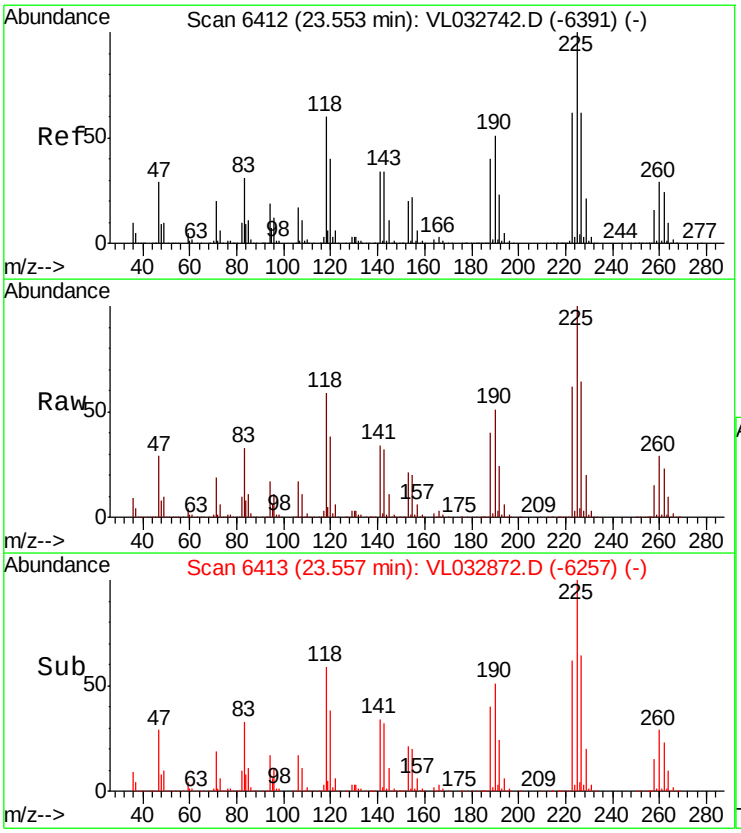
#77
1,2-Dichlorobenzene
Concen: 9.771 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2222463

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.4	73.2
148	64.4	32.2	96.6

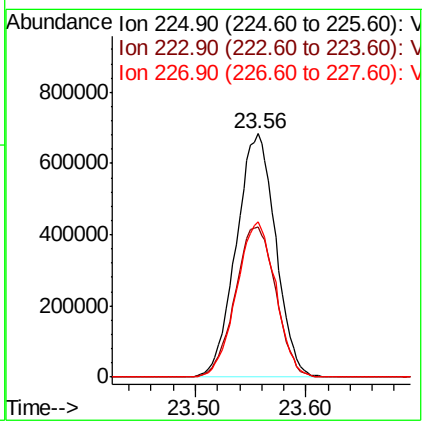


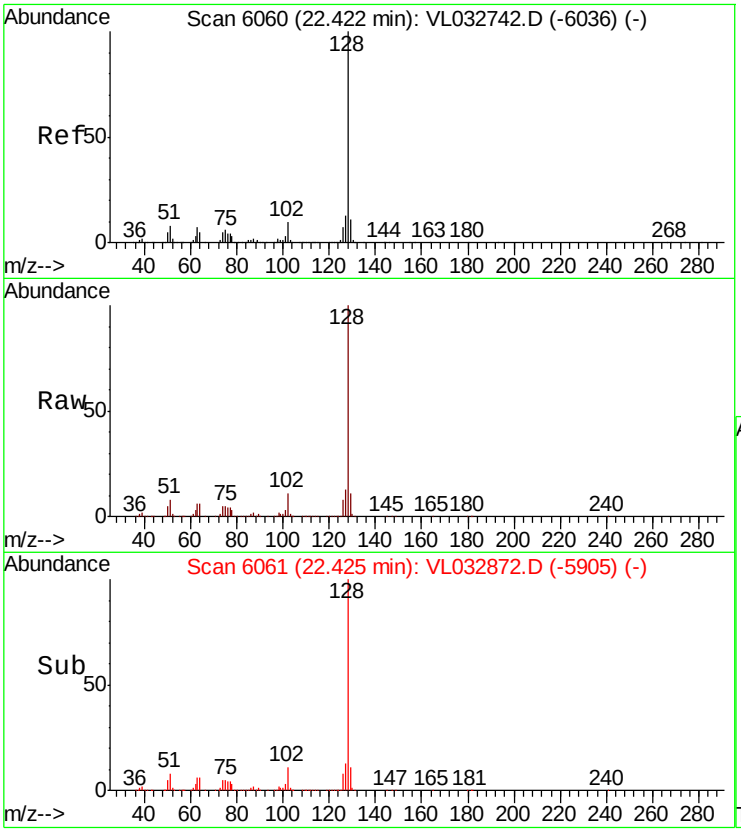


#78
Hexachloro-1,3-Butadiene
Concen: 13.776 ppbv
RT: 23.56 min Scan# 6413
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:225 Resp: 1691110

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	63.4	50.2	75.4



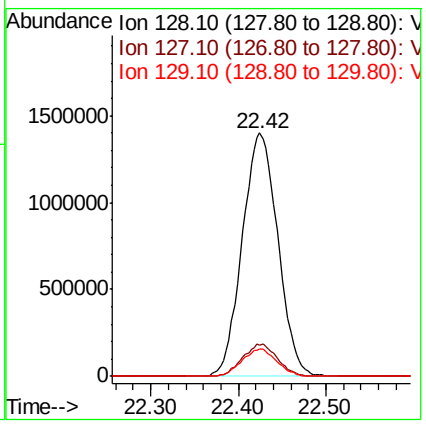


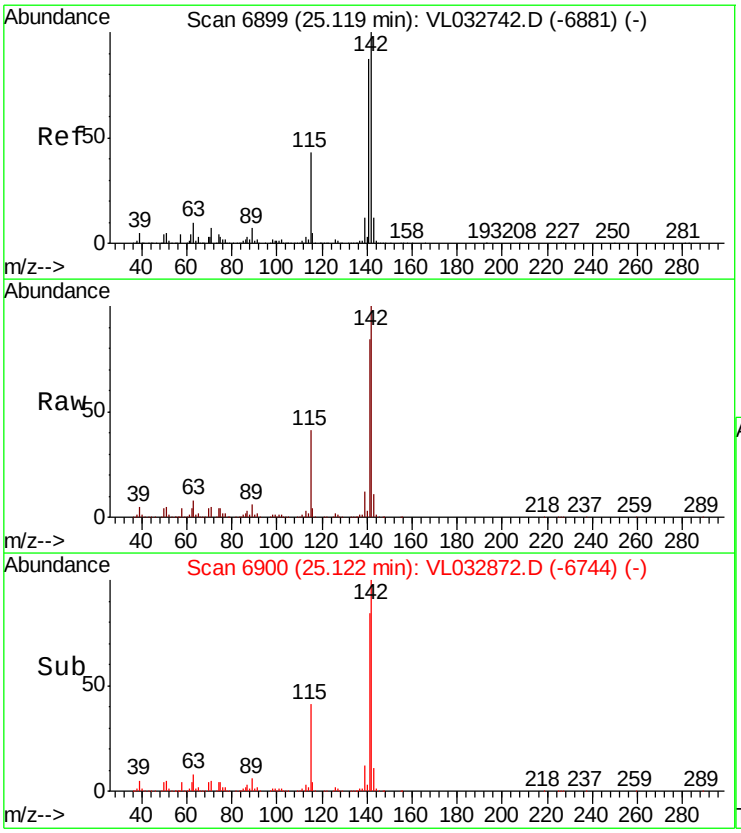
#79
Naphthalene
Concen: 14.010 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3945006

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.2	8.9	13.3

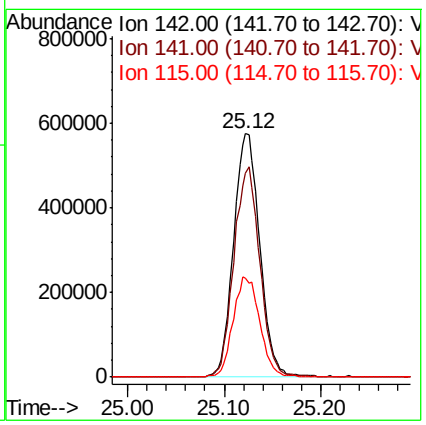


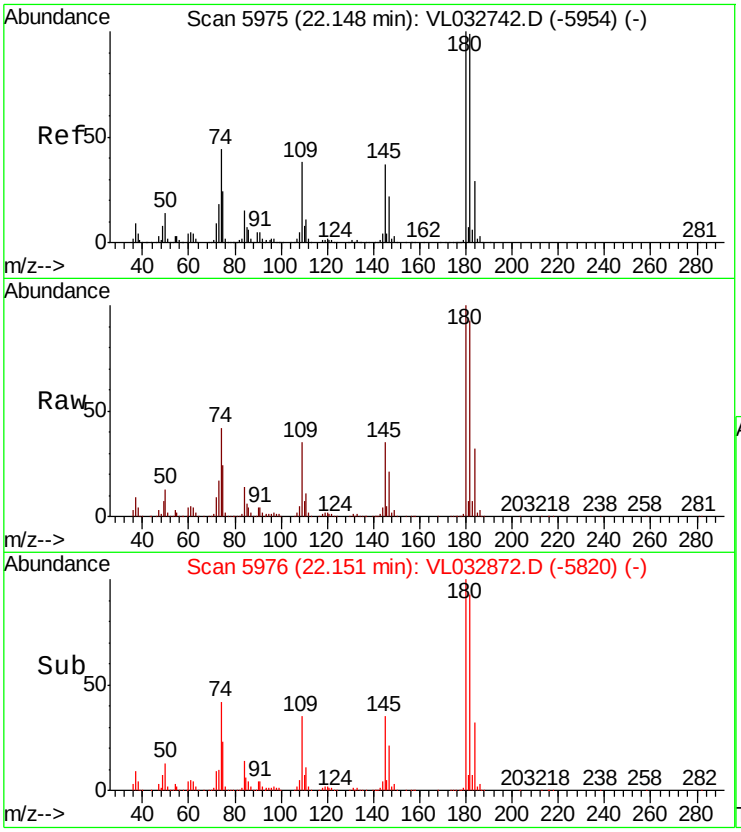


#80
Naphthalene,2-methyl-
Concen: 15.375 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Tgt Ion:142 Resp: 1084284

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.7	103.1
115	42.2	35.5	53.3





#81
1,2,4-Trichlorobenzene
Concen: 13.349 ppbv
RT: 22.15 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL032872.D
Acq: 1 Dec 2018 6:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1887616

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
184	29.9	24.2	36.4