Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032205.D
Acq On : 5 Jul 2018 15:28
Operator : SY/AP
Sample : VL0705ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Quant Time: Jul 06 04:28:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1468695	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3857095	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	5038253	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	3175346	8.25	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.13	85	1763060	9.116	ppbv	98
3) Chlorodifluoromethane	3.07	51	1616462	9.008	ppbv	94
4) Chloromethane	3.23	50	922022	9.624	ppbv	99
5) Vinyl Chloride	3.35	62	905332	9.357	ppbv	99
6) Bromomethane	3.58	94	514508	9.335	ppbv	99
7) Chloroethane	3.66	64	321437	9.394	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1988759	9.215	ppbv	90
9) Propene	3.09	41	725639	8.676	ppbv	99
10) Heptane	8.34	43	2369241	9.716	ppbv	97
11) Trichlorofluoromethane	4.07	101	1891203	9.039	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1179468	8.464	ppbv	91
13) Ethanol	3.71	45	175926	6.939	ppbv	96
14) Bromoethene	3.85	108	574252	8.661	ppbv	99
15) Acetone	3.97	43	1381335	8.043	ppbv	100
16) 1,3-Butadiene	3.42	39	837015	10.214	ppbv	85
17) tert-Butyl alcohol	4.43	59	1327303	12.138	ppbv	98
18) 1,1-Dichloroethene	4.42	96	572963	8.596	ppbv	96
19) Isopropyl Alcohol	4.09	45	1162222	8.145	ppbv #	41
20) Methylene Chloride	4.48	84	499008	7.951	ppbv	95
21) Allyl Chloride	4.55	41	996521	8.498	ppbv	96
22) trans-1,2-Dichloroethene	5.04	96	615116	8.827	ppbv	100
23) Vinyl Acetate	5.23	43	2943646	9.452	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1993712	9.993	ppbv	98
25) Ethyl Acetate	5.85	43	3264312	9.187	ppbv	100
26) Hexane	5.86	57	1525710	9.325	ppbv	98
27) Carbon Disulfide	4.69	76	1409376	8.665	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	2761856	9.550	ppbv	99
29) Chloroform	5.93	83	2351890	9.875	ppbv	99
30) Cyclohexane	7.34	84	1598312	10.364	ppbv	100
31) cis-1,2-Dichloroethene	5.72	61	1622463	9.922	ppbv	93
32) 1,1,1-Trichloroethane	6.71	97	2744421	10.992	ppbv	98
34) 2-Butanone	5.41	43	2234105	9.126	ppbv	99
35) Carbon Tetrachloride	7.22	117	2700754	10.229	ppbv	99
36) Benzene	7.10	78	3813467	10.215	ppbv	97
37) 1,2-Dichloroethane	6.50	62	2213504	11.901	ppbv	96
38) Trichloroethene	8.05	130	1202945	8.248	ppbv	94
39) 1,2-Dichloropropane	7.83	63	1501437	10.198	ppbv	96
40) 1,4-Dioxane	8.05	88	469696	8.135	ppbv #	1
41) Tetrahydrofuran	6.23	42	1297433	8.841	ppbv	98
42) Bromodichloromethane	8.01	83	2904903	9.964	ppbv	96
43) Methyl Methacrylate	8.23	69	1522160	9.837	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032205.D
Acq On : 5 Jul 2018 15:28
Operator : SY/AP
Sample : VL0705ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Quant Time: Jul 06 04:28:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6159769	9.430	ppbv		99
45) t-1,3-Dichloropropene	9.51	75	2126269	11.089	ppbv		97
46) cis-1,3-Dichloropropene	8.93	75	2309945	10.090	ppbv		98
47) 1,1,2-Trichloroethane	9.71	97	1551486	10.138	ppbv		95
48) Dibromochloromethane	10.55	129	2484633	10.487	ppbv		100
49) Bromoform	13.31	173	1923789	9.697	ppbv		99
50) 4-Methyl-2-Pentanone	8.96	43	3670288	9.152	ppbv		100
51) 2-Hexanone	10.37	43	3270279	9.837	ppbv	#	99
52) Tetrachloroethene	11.47	164	1203576	8.866	ppbv		95
53) Toluene	10.04	91	4503942	9.982	ppbv		99
54) 1,2-Dibromoethane	10.86	107	2379365	10.342	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.38	131	1735433	7.715	ppbv	#	55
57) Chlorobenzene	12.40	112	3185077	7.300	ppbv		92
58) Ethyl Benzene	12.96	91	6214619	7.654	ppbv		94
59) m/p-Xylene	13.25	91	4274214	6.567	ppbv	#	29
60) o-Xylene	13.95	91	4826485	7.435	ppbv		95
61) Styrene	13.79	104	3959807	7.443	ppbv		93
62) Isopropylbenzene	14.93	105	6953253	6.966	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.94	83	3313671	6.592	ppbv		100
64) n-propylbenzene	15.82	120	1765942	6.836	ppbv		84
65) tert-Butylbenzene	17.01	119	5571008	6.351	ppbv		92
66) Benzyl Chloride	17.26	91	3294163	6.082	ppbv	#	94
67) sec-Butylbenzene	17.56	105	8274577	6.443	ppbv		98
69) p-Isopropyltoluene	17.91	119	6611775	6.418	ppbv		96
70) n-Butylbenzene	18.81	91	7163390	6.659	ppbv		98
71) 2-Chlorotoluene	15.72	91	5434126	7.070	ppbv		94
72) 4-Ethyltoluene	16.10	105	5748862	6.857	ppbv		97
73) 1,3,5-Trimethylbenzene	16.26	105	5444031	6.893	ppbv		95
74) 1,2,4-Trimethylbenzene	17.03	105	5228322	6.560	ppbv		97
75) 1,3-Dichlorobenzene	17.27	146	2735795	6.034	ppbv		97
76) 1,4-Dichlorobenzene	17.41	146	2827258	6.150	ppbv		96
77) 1,2-Dichlorobenzene	18.09	146	2699349	5.958	ppbv		96
78) Hexachloro-1,3-Butadiene	23.63	225	1534239	9.725	ppbv		99
79) Naphthalene	22.53	128	4218946	5.823	ppbv		100
80) Naphthalene,2-methyl-	25.19	142	2227697	8.519	ppbv		97
81) 1,2,4-Trichlorobenzene	22.25	180	1020817	3.120	ppbv	#	12

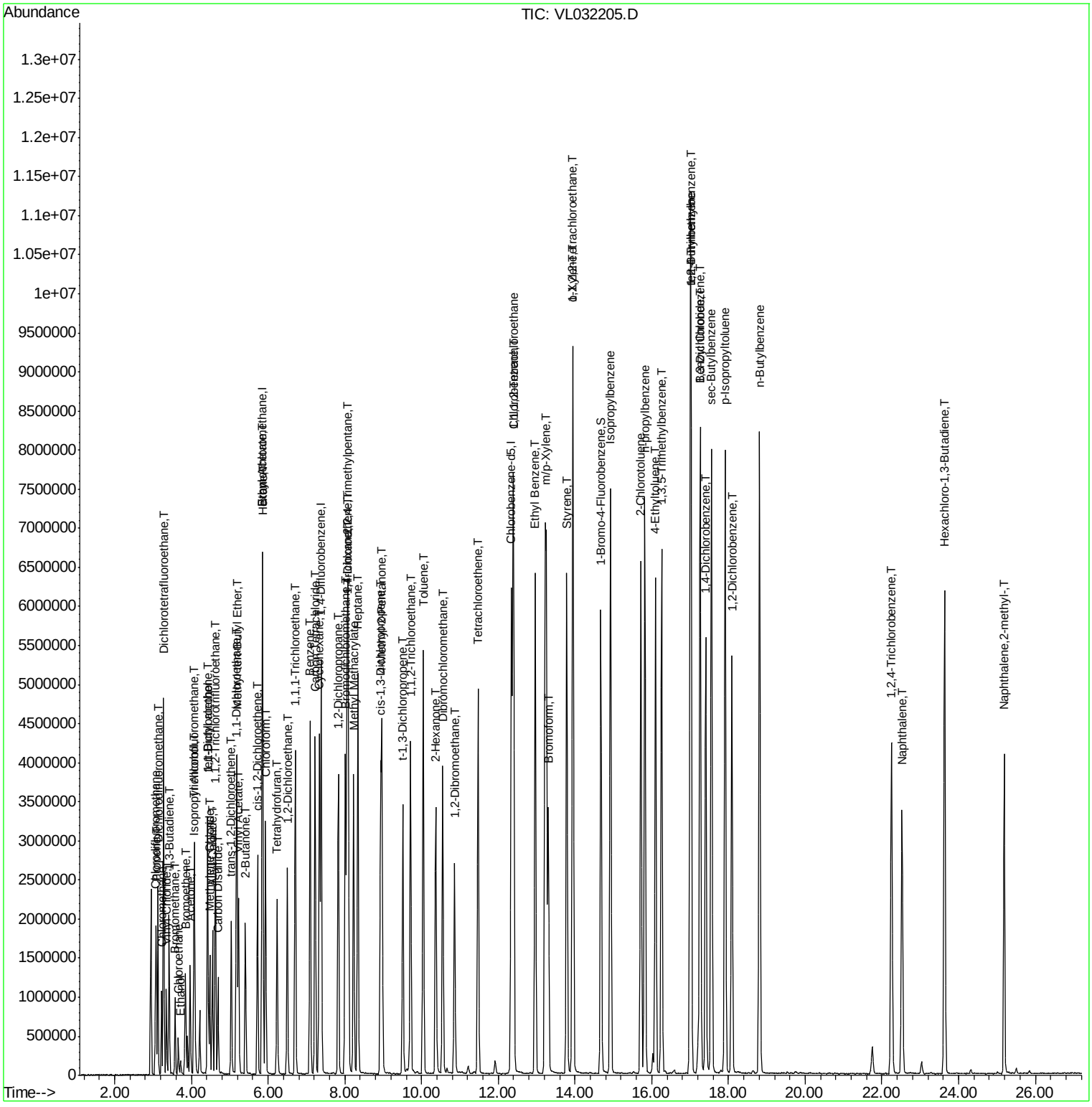
(#) = qualifier out of range (m) = manual integration (+) = signals summed

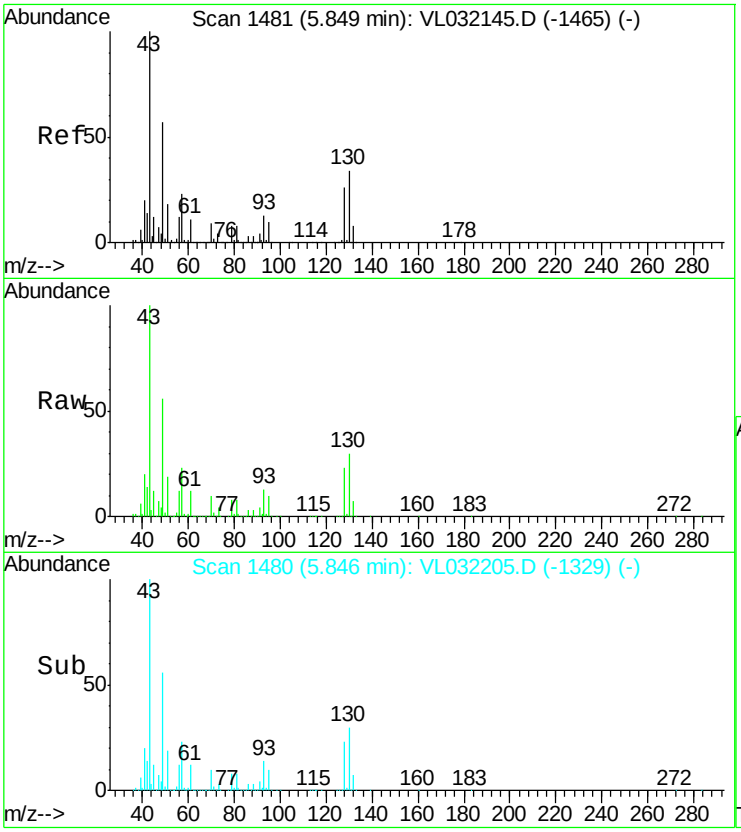
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070518\
Data File : VL032205.D
Acq On : 5 Jul 2018 15:28
Operator : SY/AP
Sample : VL0705ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Quant Time: Jul 06 04:28:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



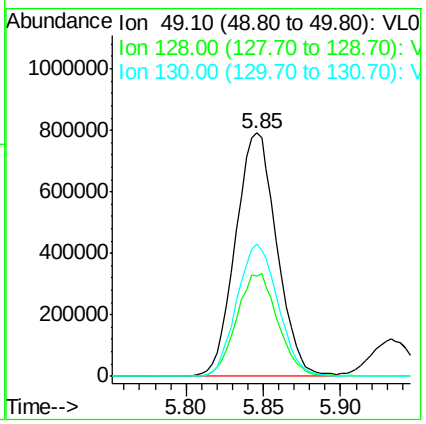


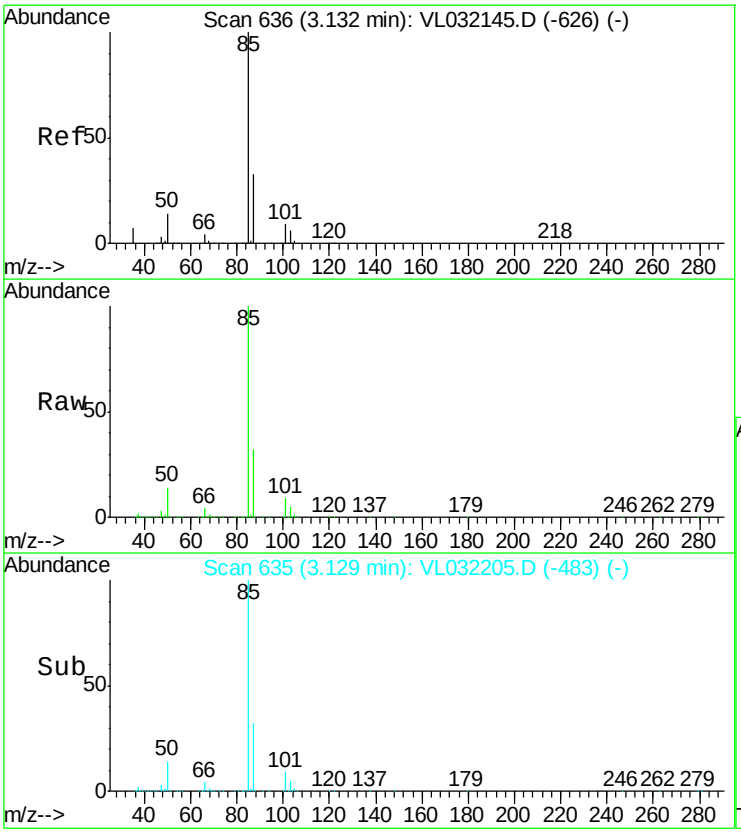
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 49 Resp: 1468695

Ion	Ratio	Lower	Upper
49	100		
128	42.3	23.4	70.0
130	54.5	30.3	90.9

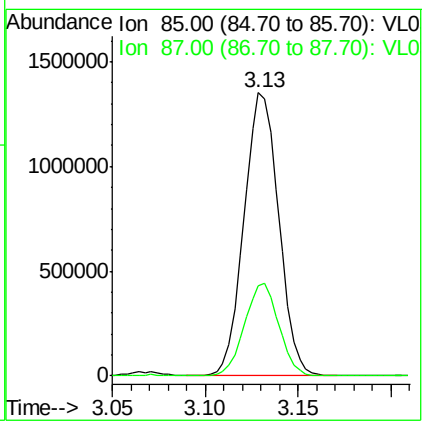


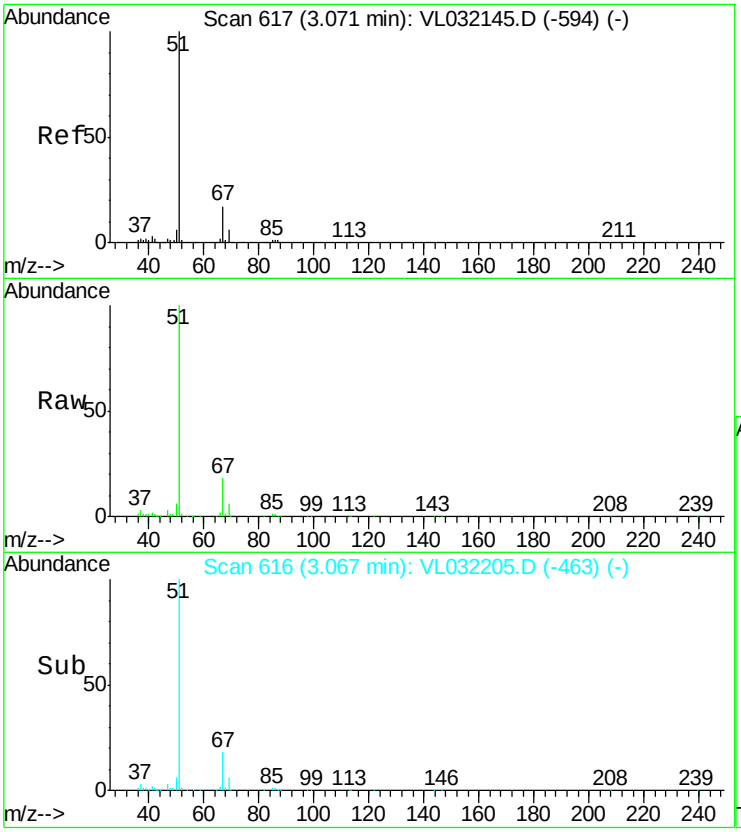


#2
Dichlorodifluoromethane
Concen: 9.116 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 85 Resp: 1763060

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.7	40.1



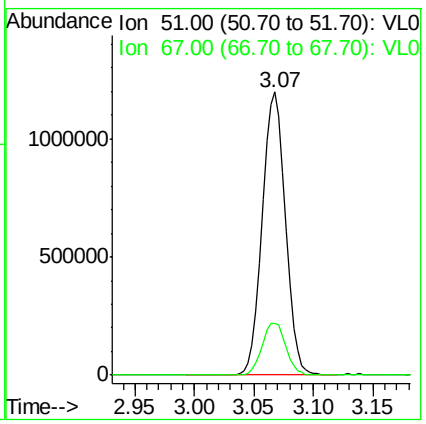


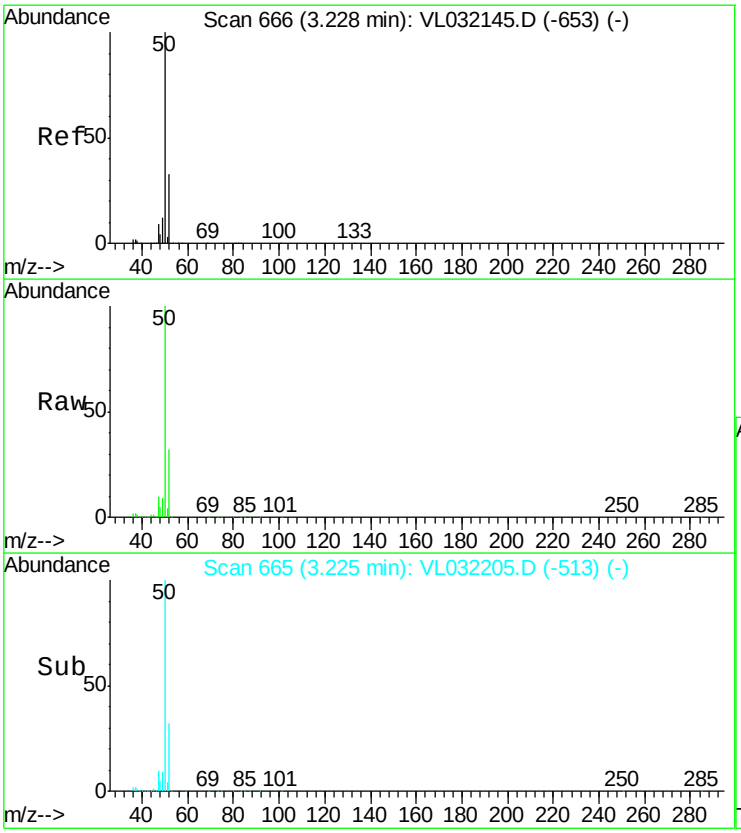
#3
Chlorodifluoromethane
Concen: 9.008 ppbv
RT: 3.07 min Scan# 616
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 51 Resp: 1616462

Ion	Ratio	Lower	Upper
51	100		
67	19.2	13.2	19.8

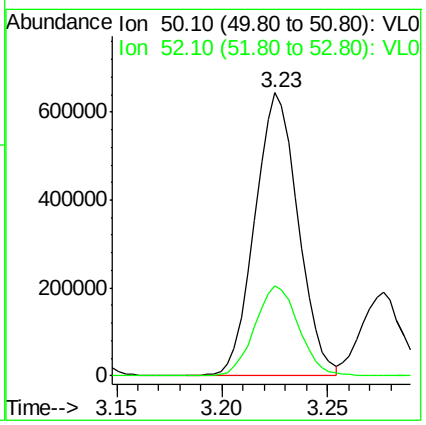


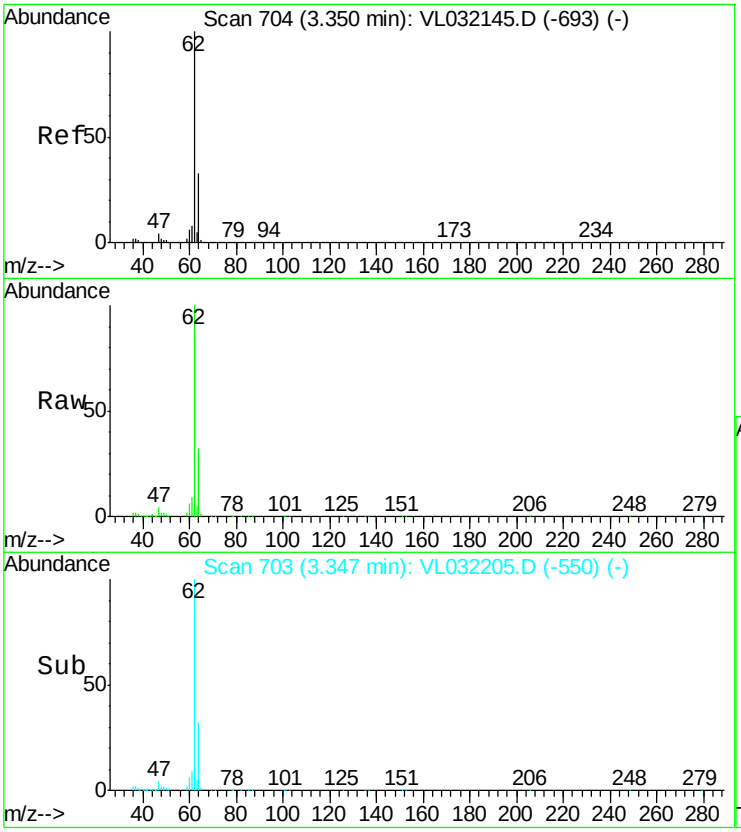


#4
Chloromethane
Concen: 9.624 ppbv
RT: 3.23 min Scan# 665
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 50 Resp: 922022

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.0	39.0



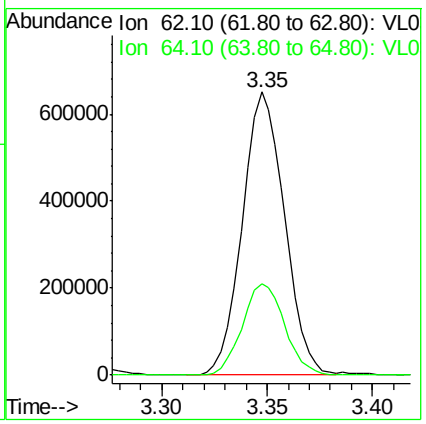


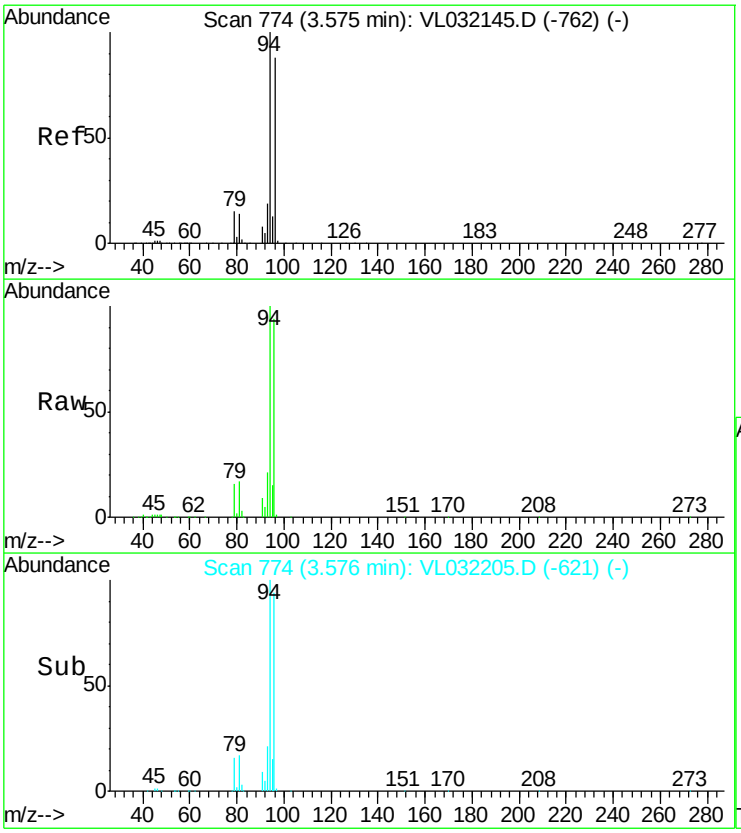
#5
Vinyl Chloride
Concen: 9.357 ppbv
RT: 3.35 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 62 Resp: 905332

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.1	39.1

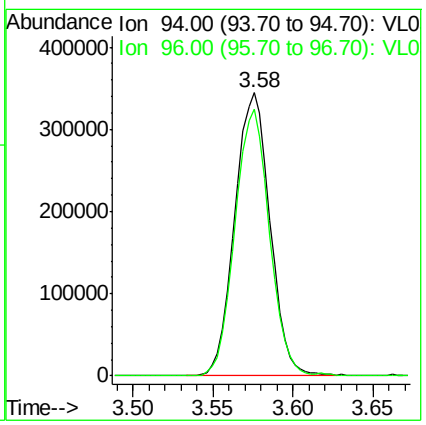


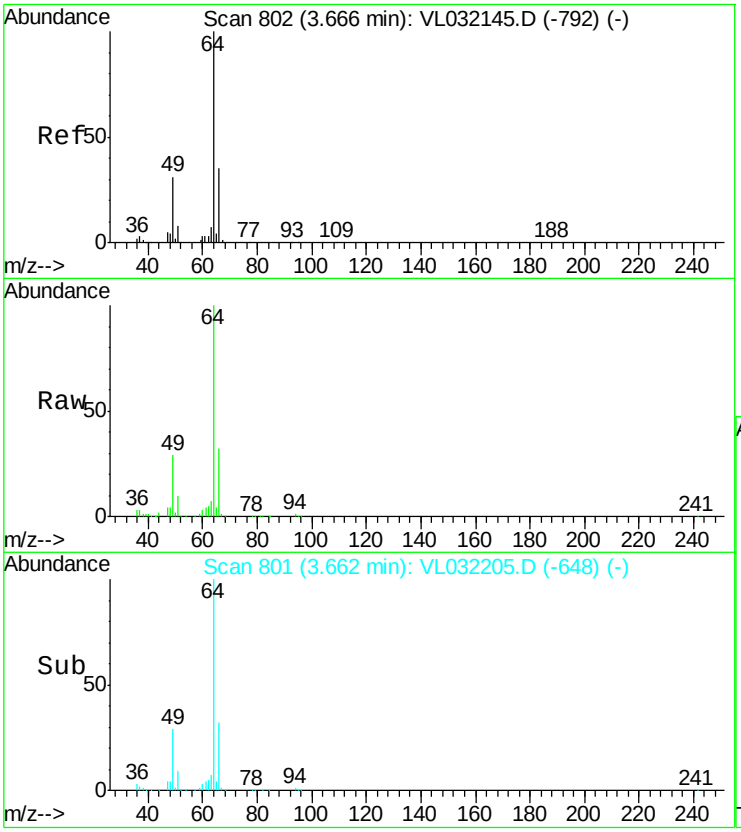


#6
Bromomethane
Concen: 9.335 ppbv
RT: 3.58 min Scan# 774
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 94 Resp: 514508

Ion	Ratio	Lower	Upper
94	100		
96	94.4	74.7	112.1



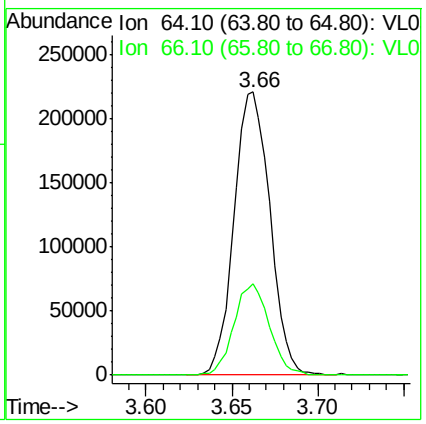


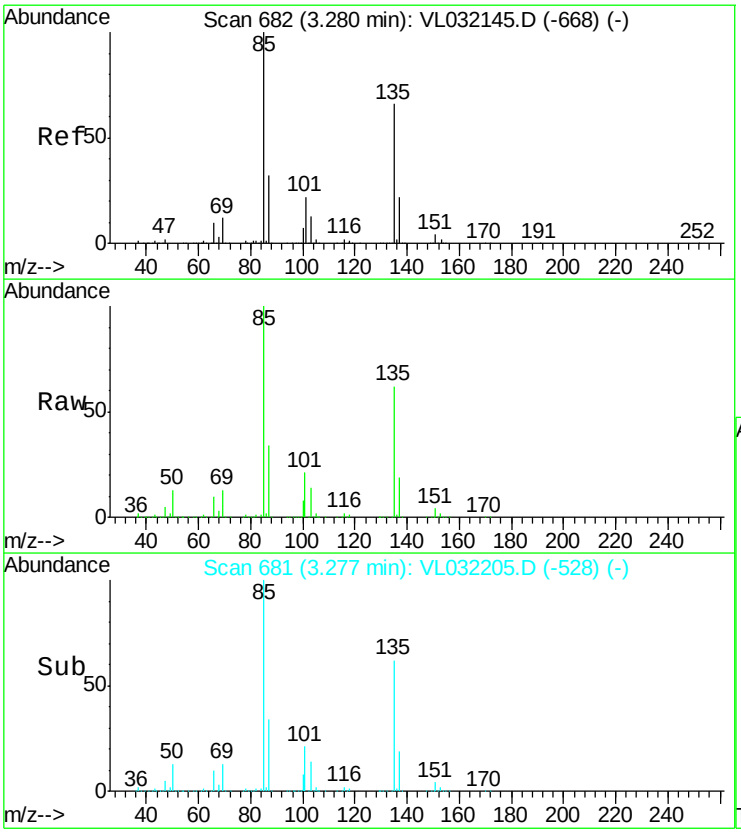
#7
Chloroethane
Concen: 9.394 ppbv
RT: 3.66 min Scan# 801
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 64 Resp: 321437

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.9	40.3

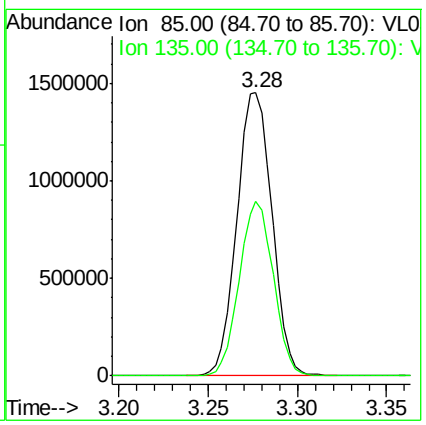


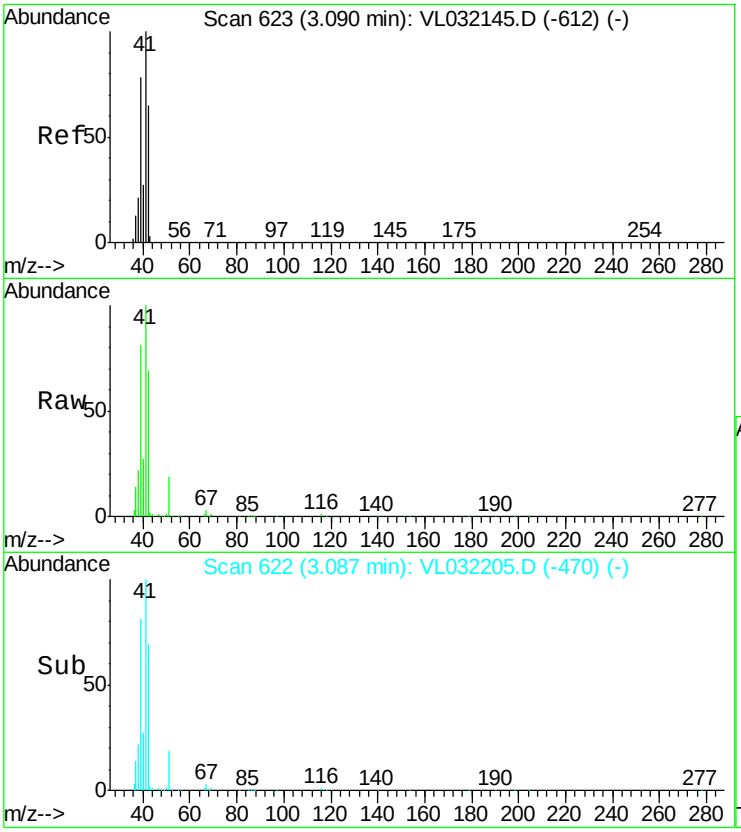


#8
Dichlorotetrafluoroethane
Concen: 9.215 ppbv
RT: 3.28 min Scan# 681
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 85 Resp: 1988759

Ion	Ratio	Lower	Upper
85	100		
135	60.1	54.6	82.0



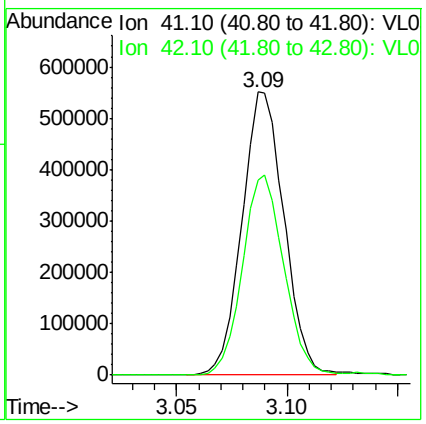


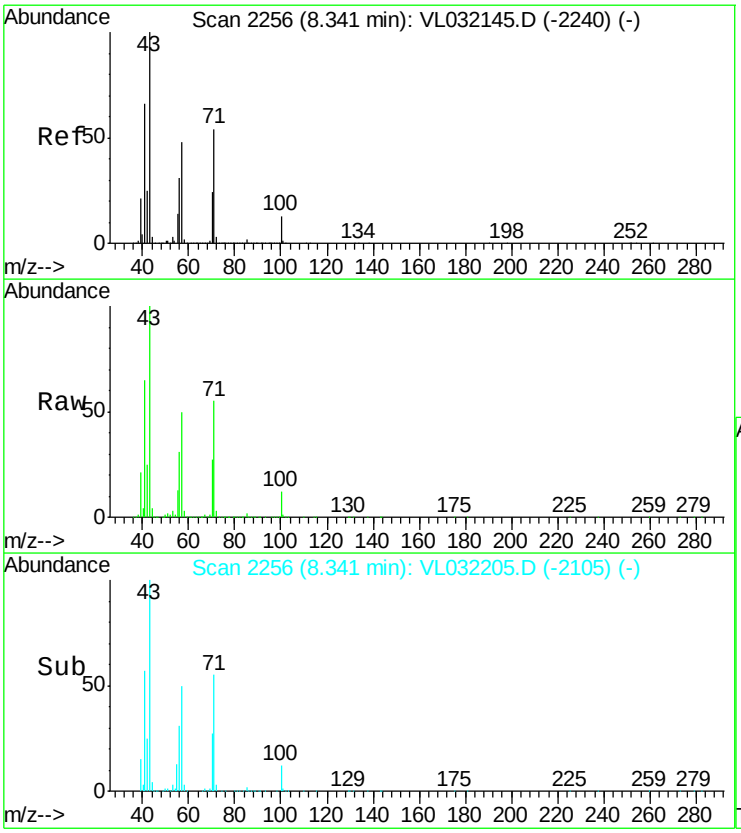
#9
Propene
Concen: 8.676 ppbv
RT: 3.09 min Scan# 622
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 41 Resp: 725639

Ion	Ratio	Lower	Upper
41	100		
42	70.9	56.2	84.4

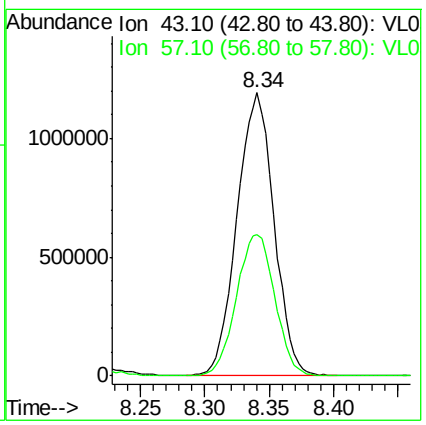


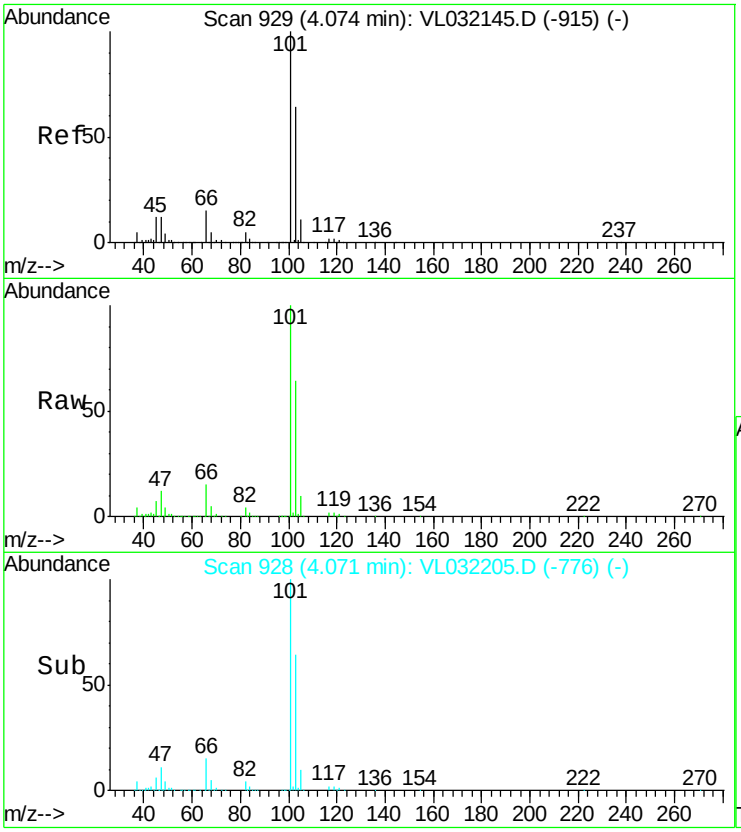


#10
Heptane
Concen: 9.716 ppbv
RT: 8.34 min Scan# 2256
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 43 Resp: 2369241

Ion	Ratio	Lower	Upper
43	100		
57	52.0	39.8	59.8



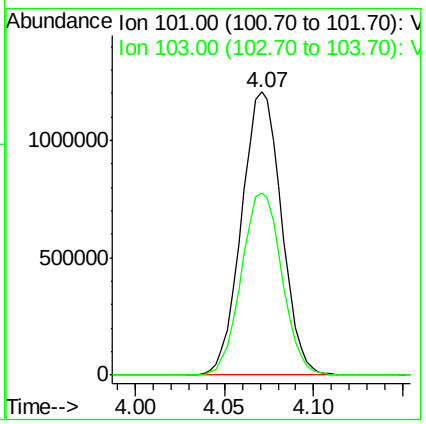


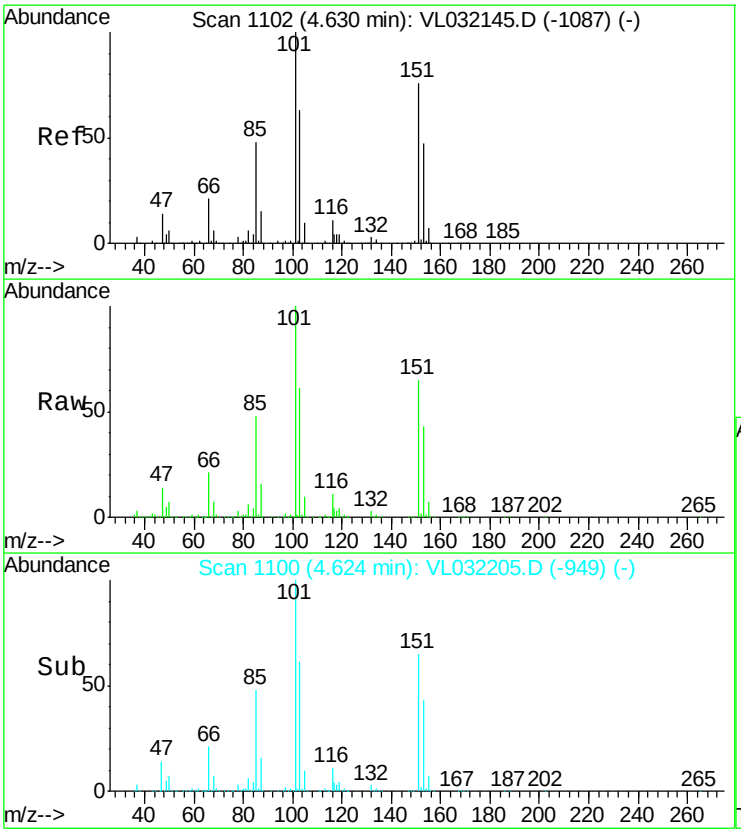
#11
Trichlorofluoromethane
Concen: 9.039 ppbv
RT: 4.07 min Scan# 928
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:101 Resp: 1891203

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.0

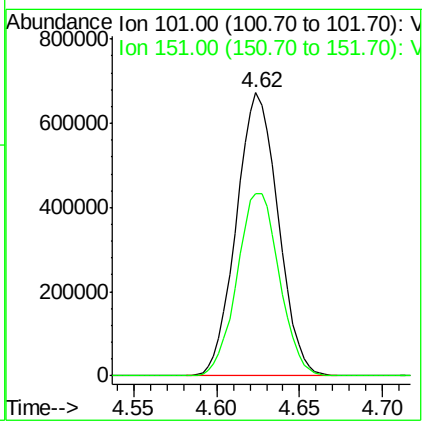


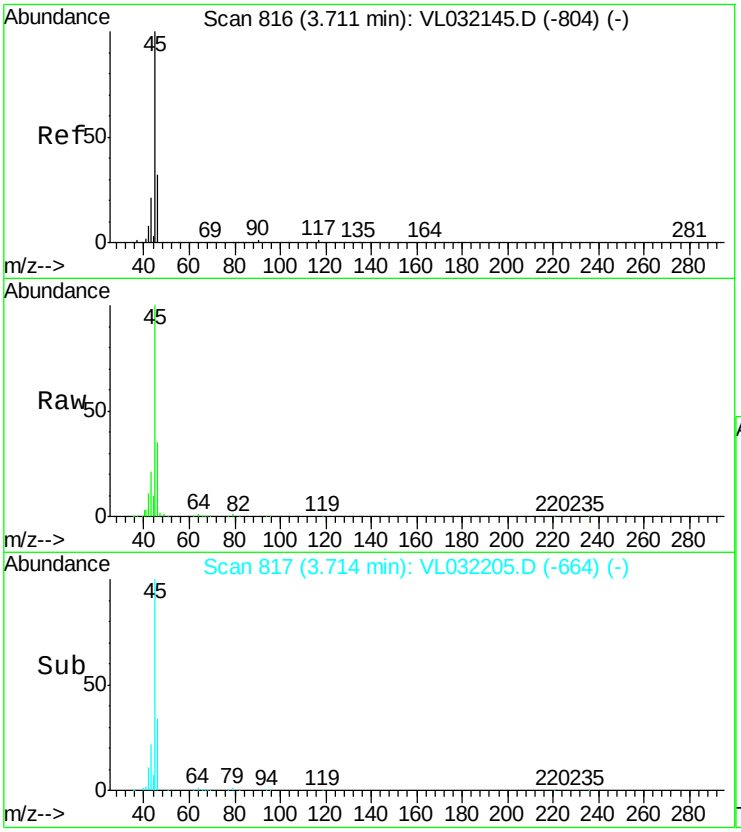


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.464 ppbv
RT: 4.62 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:101 Resp: 1179468

Ion	Ratio	Lower	Upper
101	100		
151	65.6	58.8	88.2



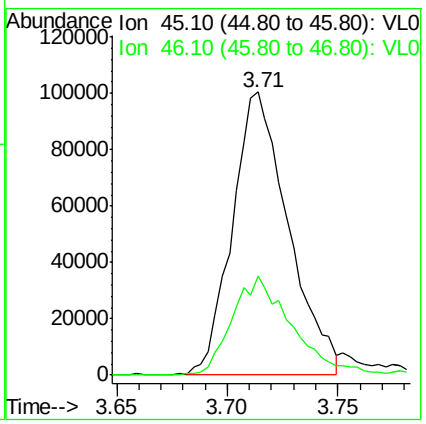


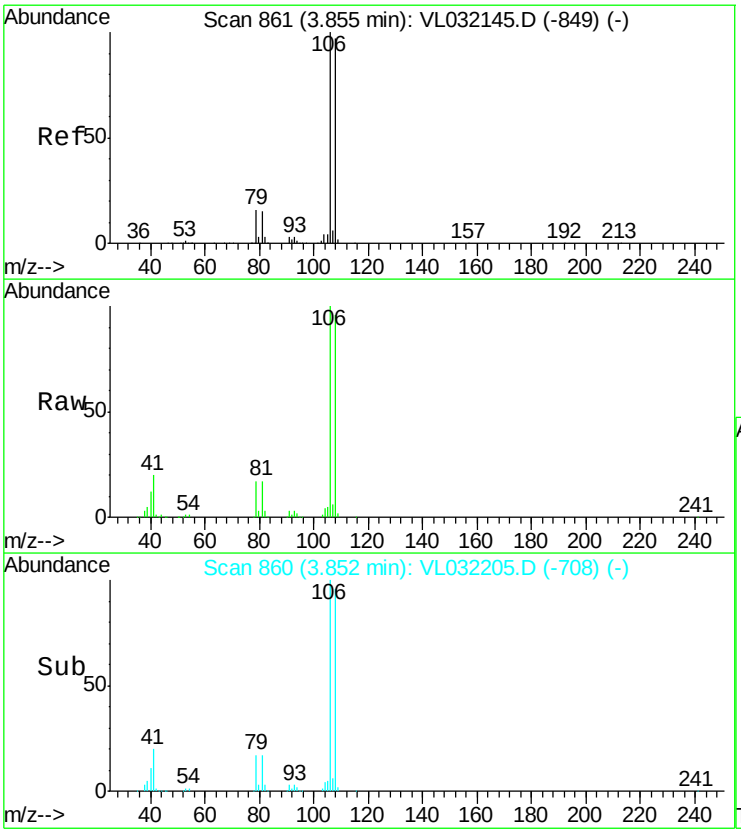
#13
Ethanol
Concen: 6.939 ppbv
RT: 3.71 min Scan# 817
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 45 Resp: 175926

Ion	Ratio	Lower	Upper
45	100		
46	39.0	14.6	58.4

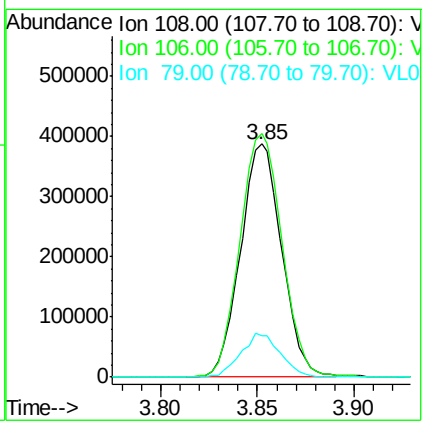


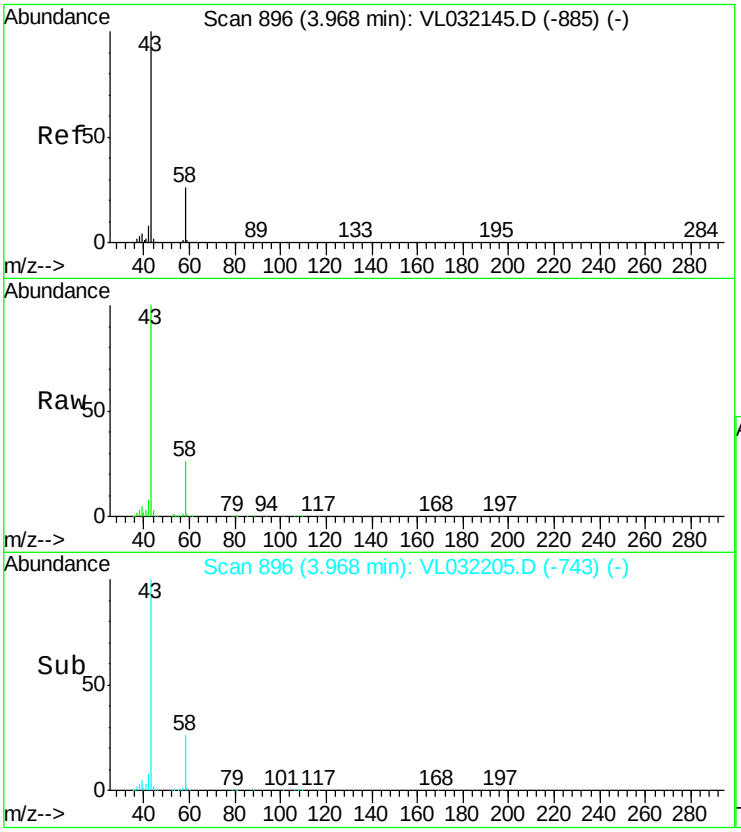


#14
Bromoethene
Concen: 8.661 ppbv
RT: 3.85 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:108 Resp: 574252

Ion	Ratio	Lower	Upper
108	100		
106	107.4	86.3	129.5
79	18.1	12.7	19.1



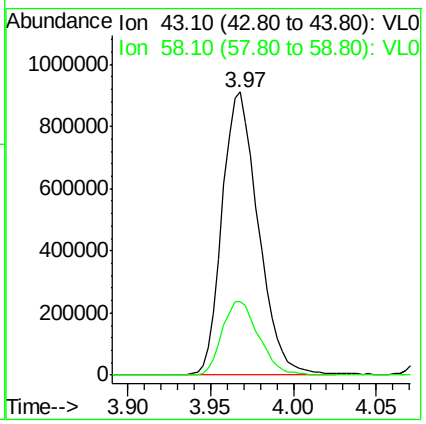


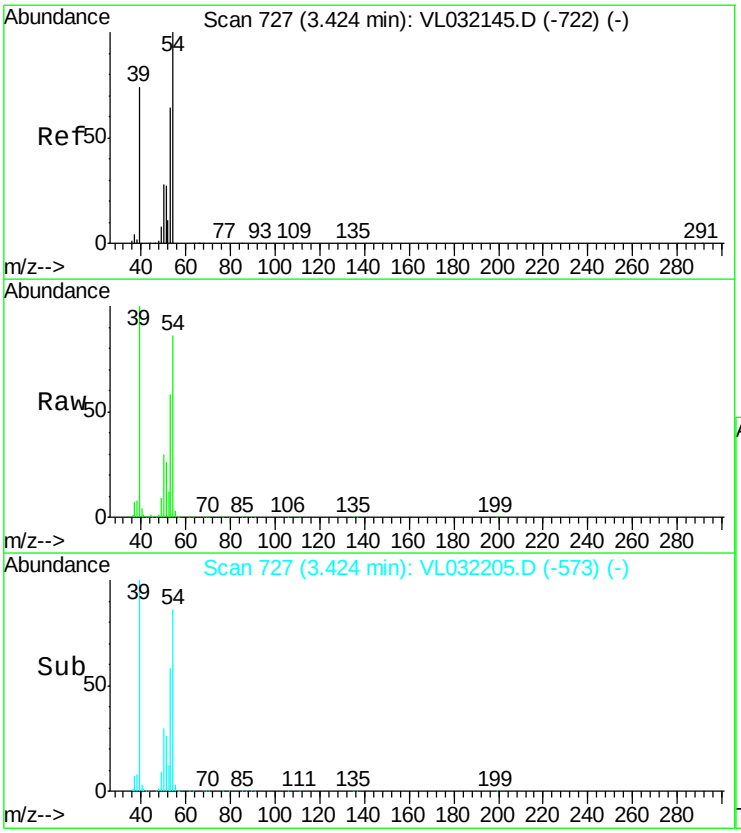
#15
Acetone
Concen: 8.043 ppbv
RT: 3.97 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 43 Resp: 1381335

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.4	32.0

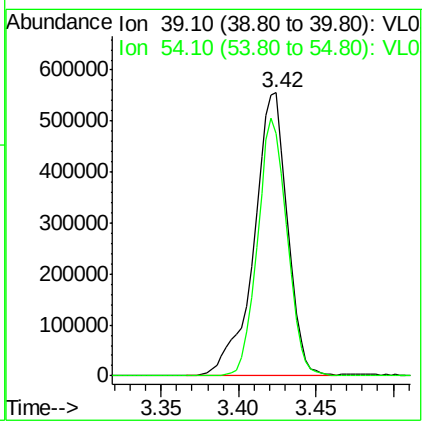


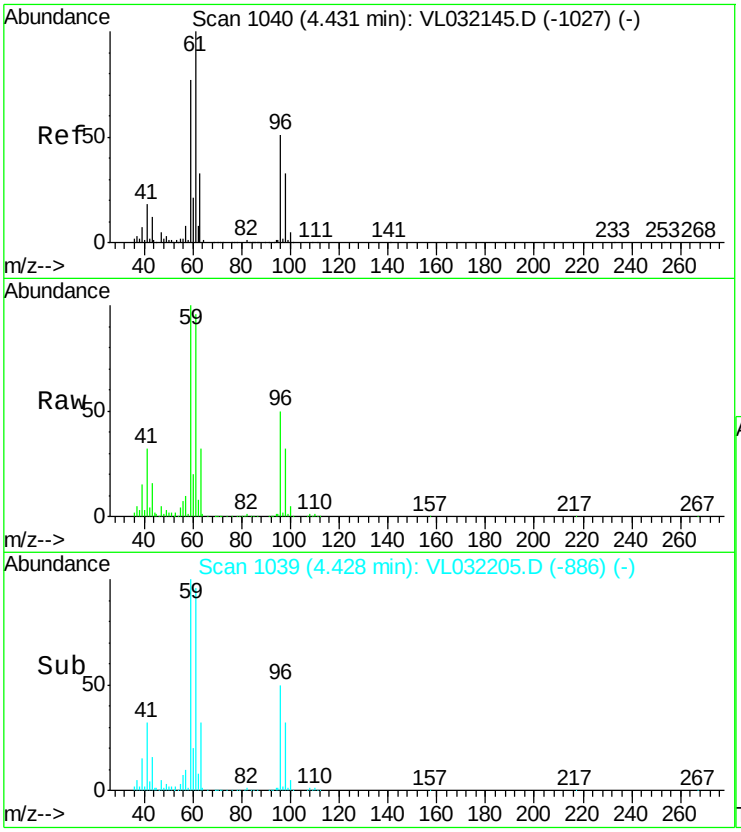


#16
1,3-Butadiene
Concen: 10.214 ppbv
RT: 3.42 min Scan# 727
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 39 Resp: 837015

Ion	Ratio	Lower	Upper
39	100		
54	80.3	75.8	113.6



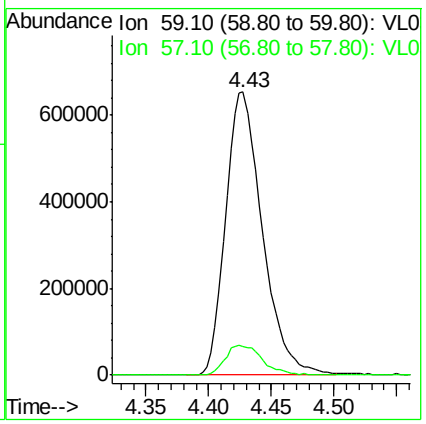


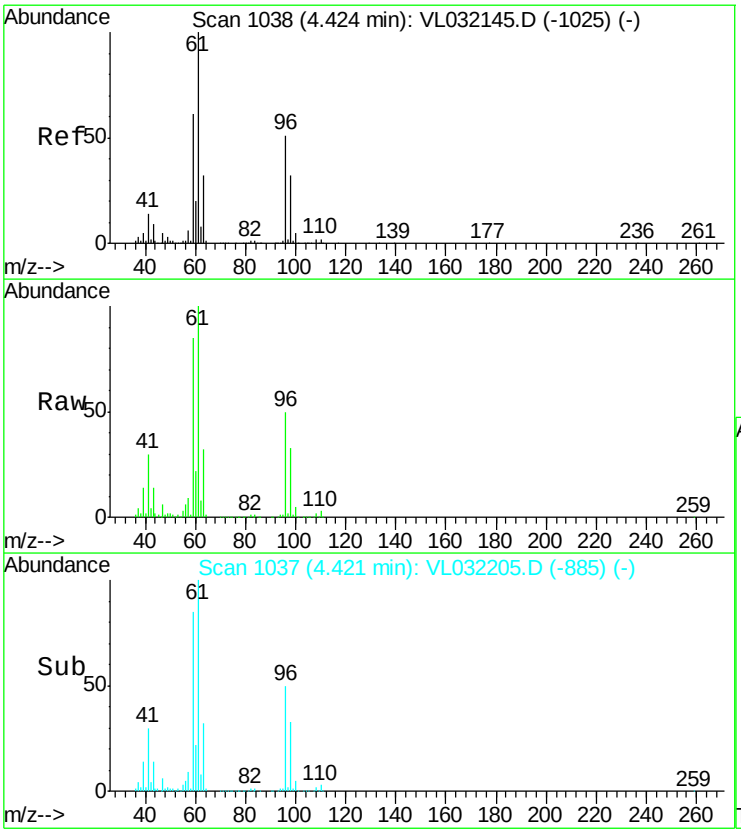
#17
tert-Butyl alcohol
Concen: 12.138 ppbv
RT: 4.43 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 59 Resp: 1327303

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

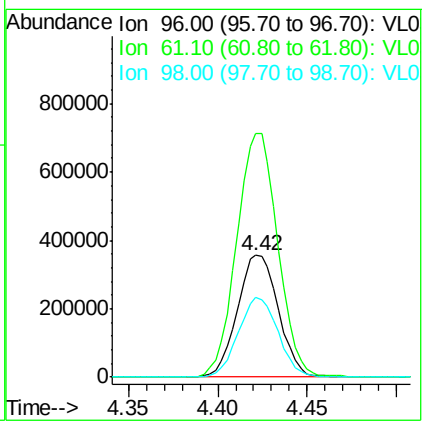


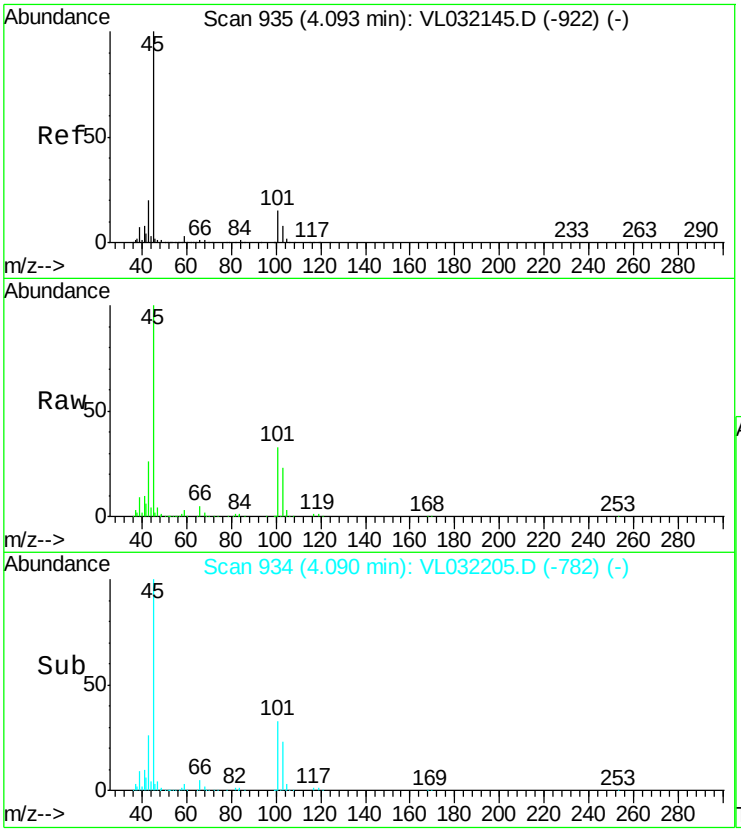


#18
1,1-Dichloroethene
Concen: 8.596 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 96 Resp: 572963

Ion	Ratio	Lower	Upper
96	100		
61	199.4	154.1	231.1
98	65.4	50.3	75.5



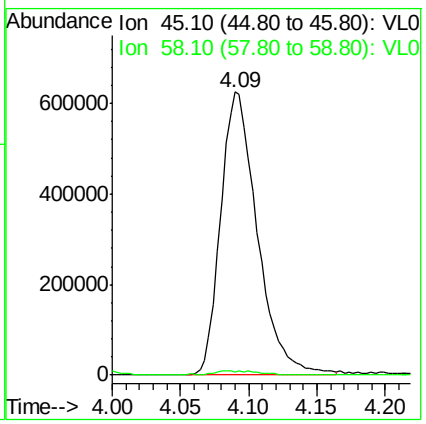


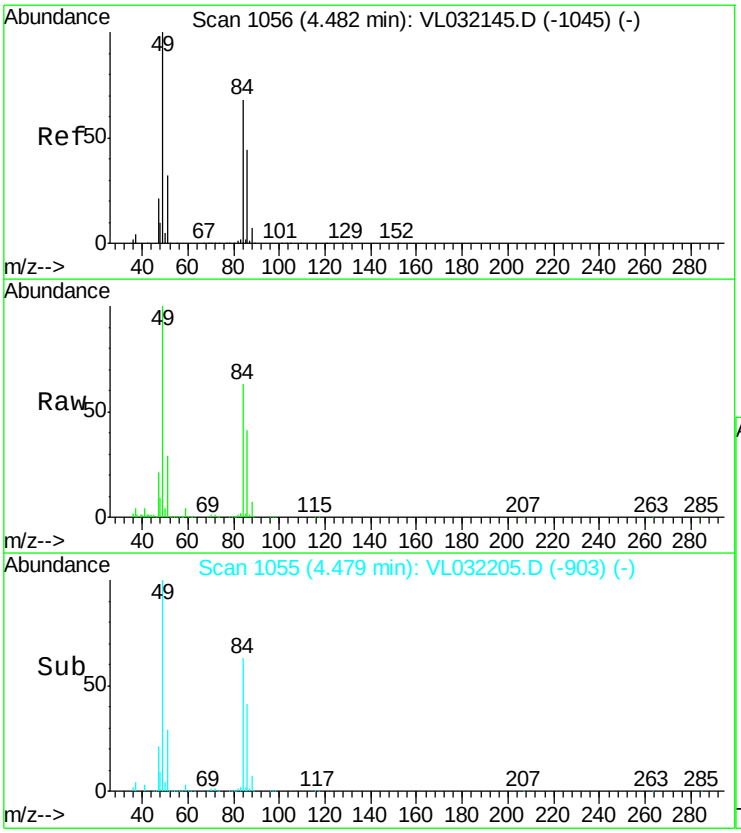
#19
Isopropyl Alcohol
Concen: 8.145 ppbv
RT: 4.09 min Scan# 934
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 45 Resp: 1162222

Ion	Ratio	Lower	Upper
45	100		
58	1.7	29.4	44.0#

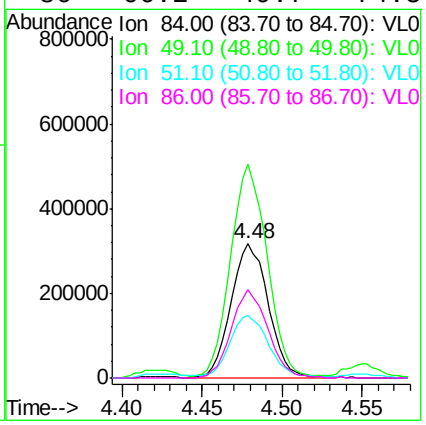


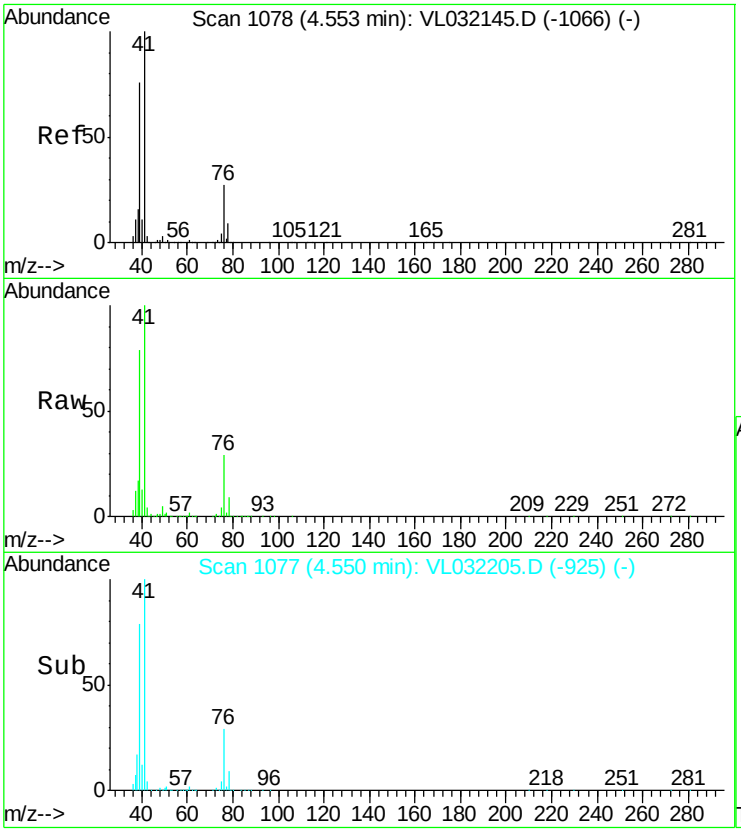


#20
Methylene Chloride
Concen: 7.951 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 84 Resp: 499008

Ion	Ratio	Lower	Upper
84	100		
49	158.4	119.6	179.4
51	45.6	36.3	54.5
86	66.2	49.7	74.5



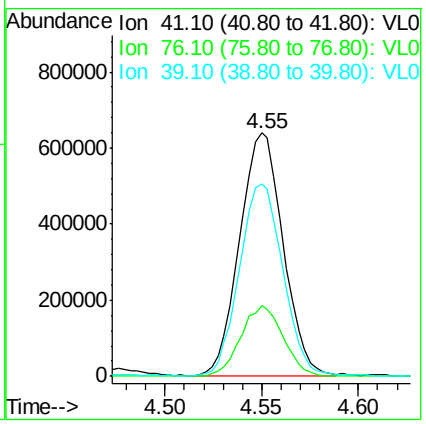


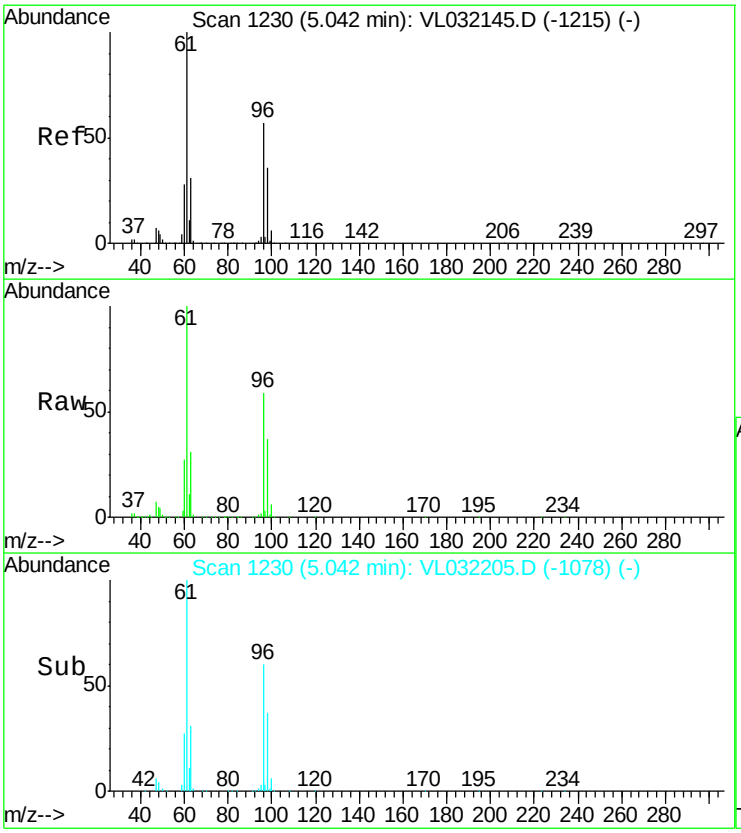
#21
Allyl Chloride
Concen: 8.498 ppbv
RT: 4.55 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 41 Resp: 996521

Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.5	33.7
39	79.8	60.5	90.7

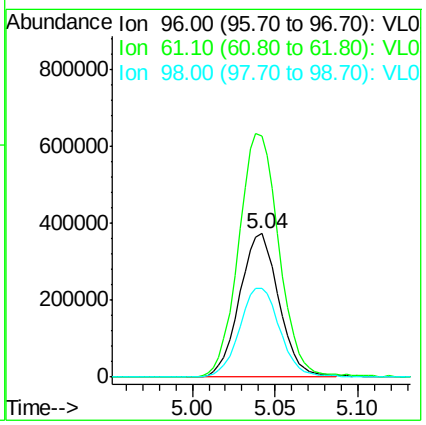


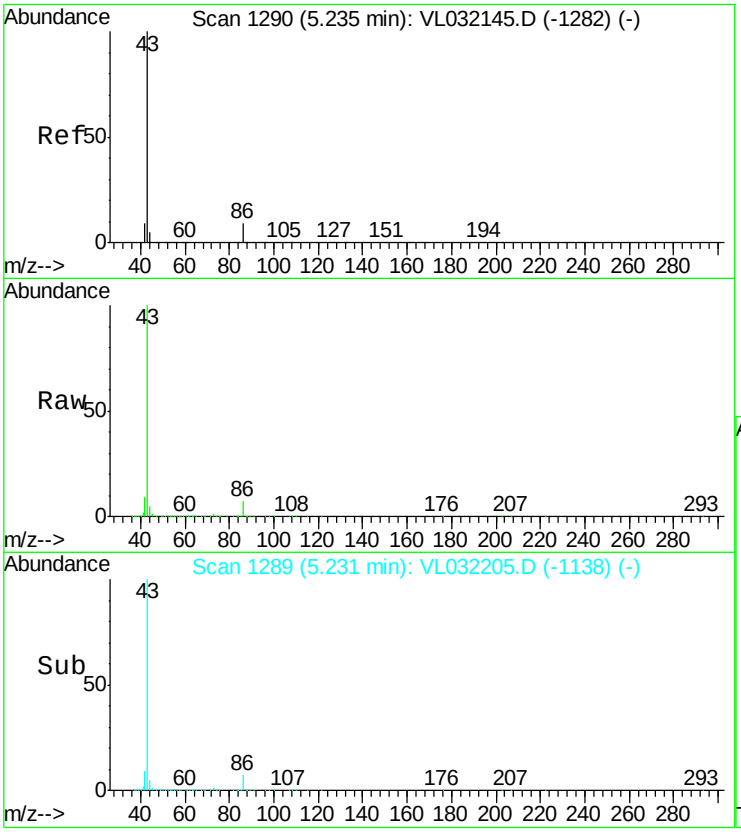


#22
trans-1,2-Dichloroethene
Concen: 8.827 ppbv
RT: 5.04 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 96 Resp: 615116

Ion	Ratio	Lower	Upper
96	100		
61	168.6	135.2	202.8
98	62.3	49.7	74.5



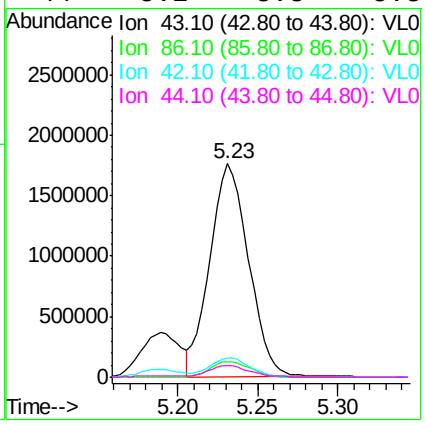


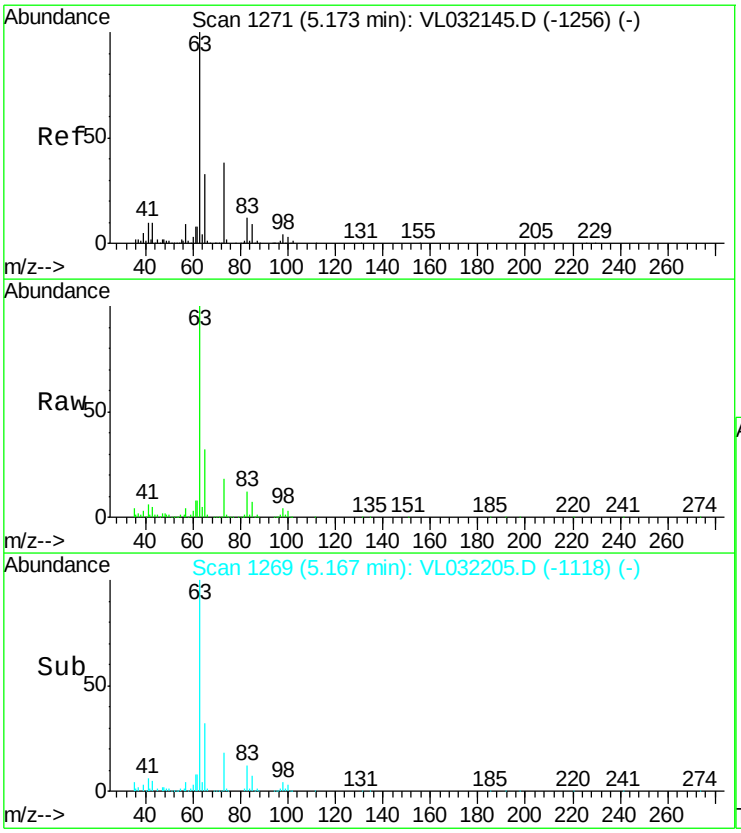
#23
Vinyl Acetate
Concen: 9.452 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 43 Resp: 2943646

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.4
42	9.0	6.9	10.3
44	5.2	3.8	5.8

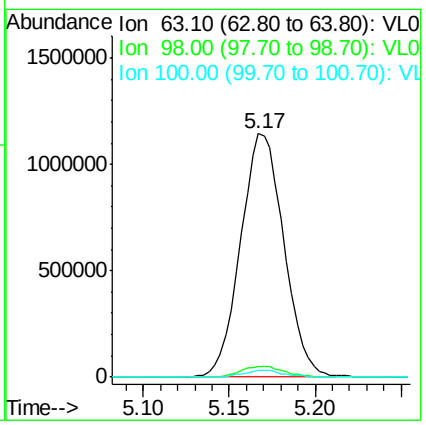


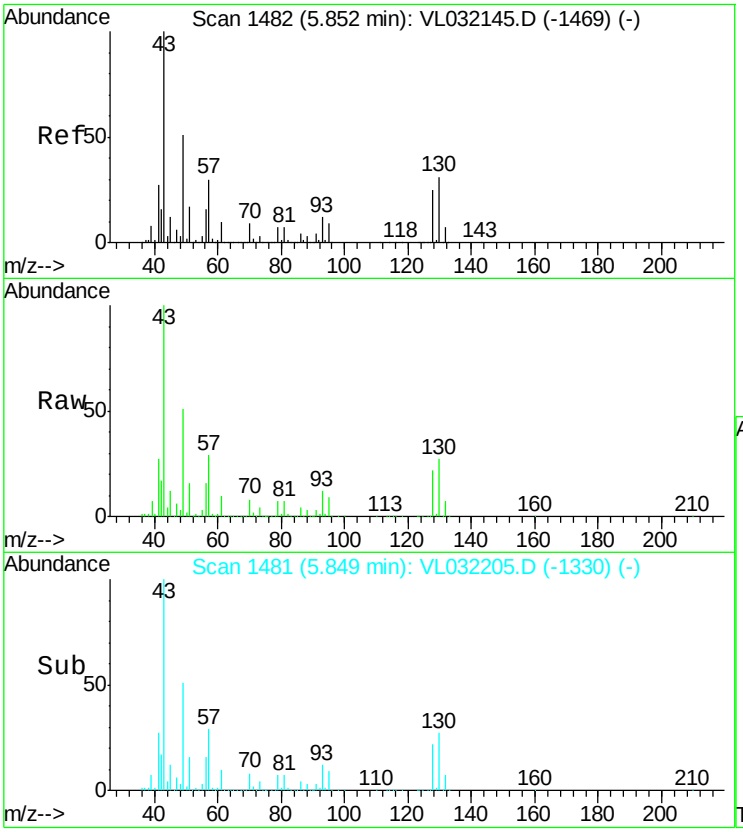


#24
1,1-Dichloroethane
Concen: 9.993 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 63 Resp: 1993712

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.2
100	2.7	1.7	5.0



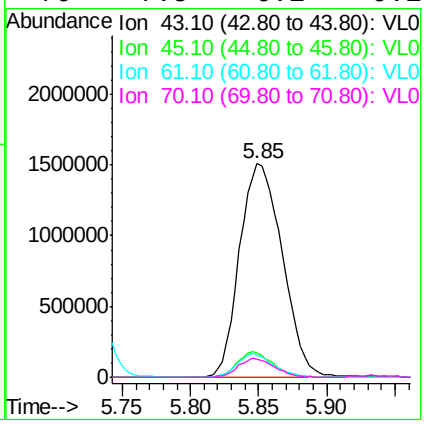


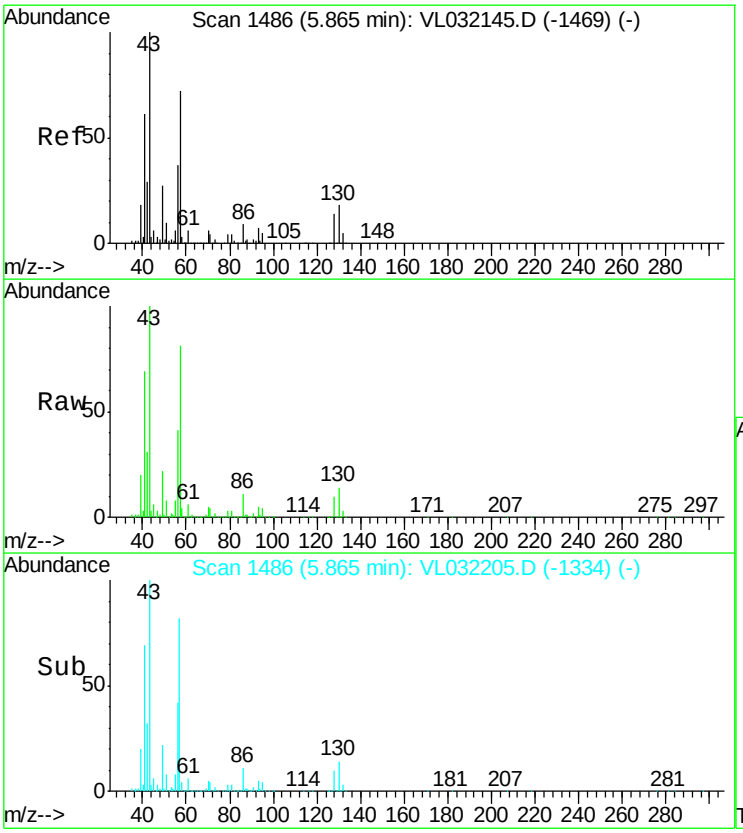
#25
Ethyl Acetate
Concen: 9.187 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 43 Resp: 3264312

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.3	7.4	11.0
70	7.5	6.1	9.1

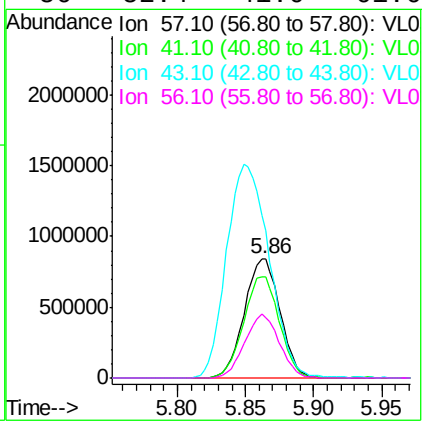


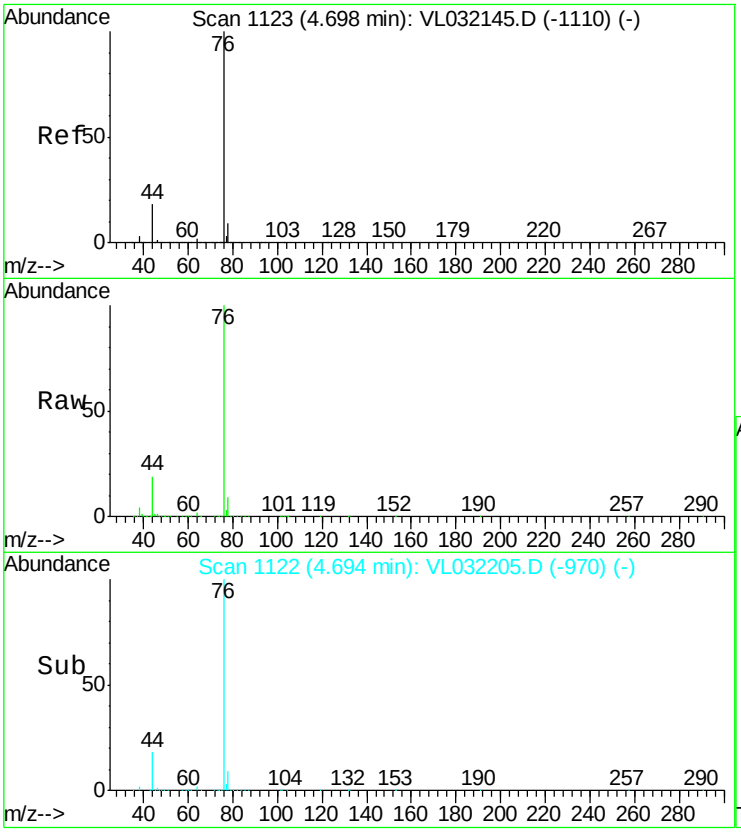


#26
Hexane
Concen: 9.325 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 57 Resp: 1525710

Ion	Ratio	Lower	Upper
57	100		
41	85.9	68.6	103.0
43	215.4	168.6	252.8
56	52.4	41.0	61.6



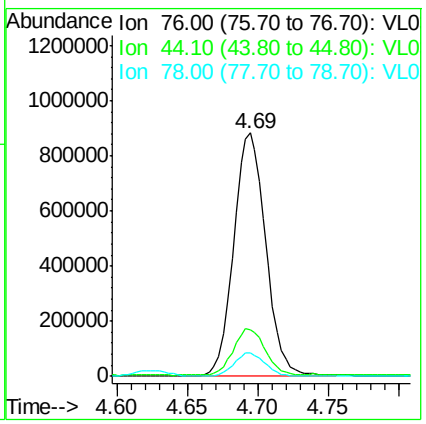


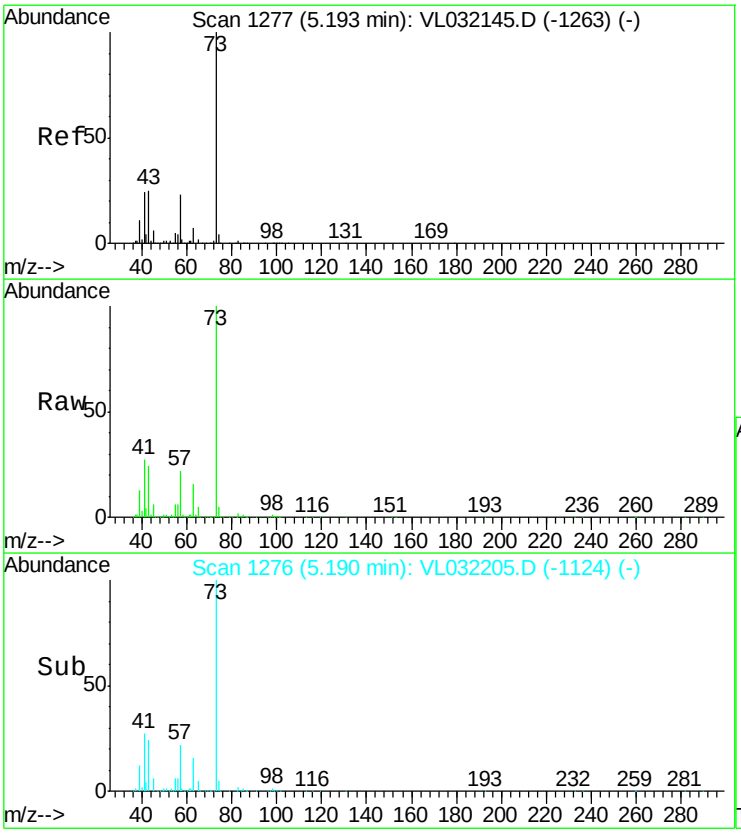
#27
Carbon Disulfide
Concen: 8.665 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 76 Resp: 1409376

Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.1	22.7
78	9.5	7.2	10.8

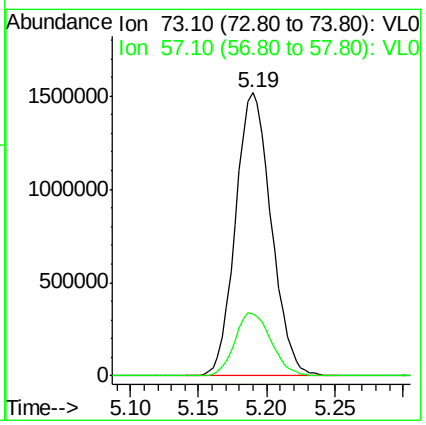


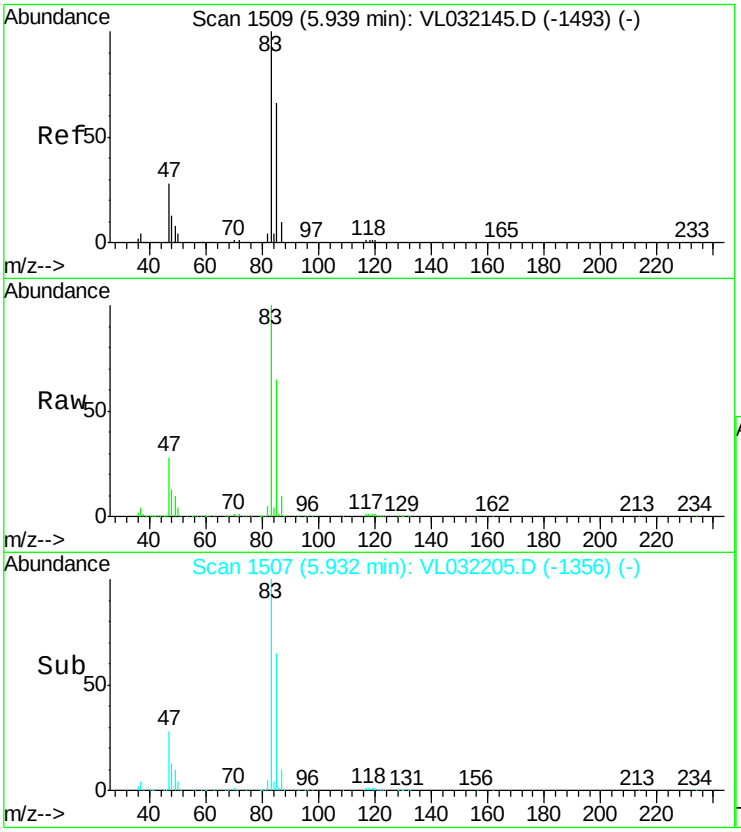


#28
Methyl tert-Butyl Ether
Concen: 9.550 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 73 Resp: 2761856

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.6	27.8



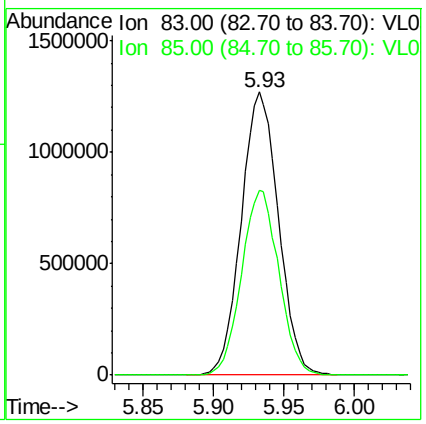


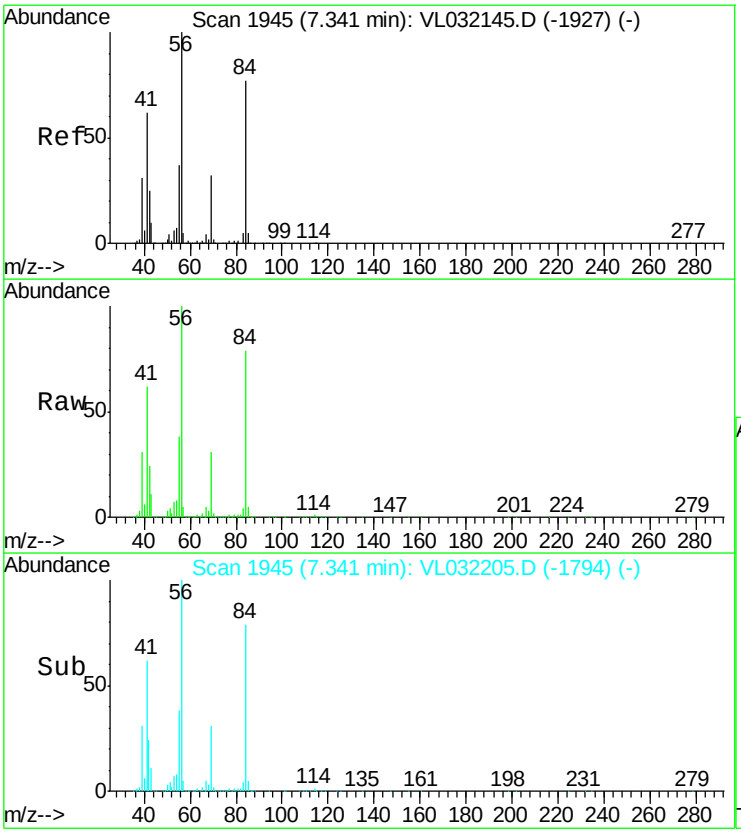
#29
Chloroform
Concen: 9.875 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 83 Resp: 2351890

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.6	77.4

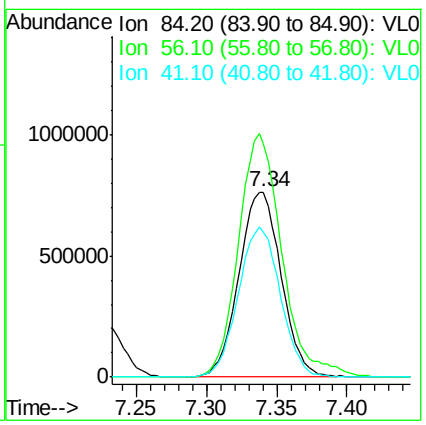


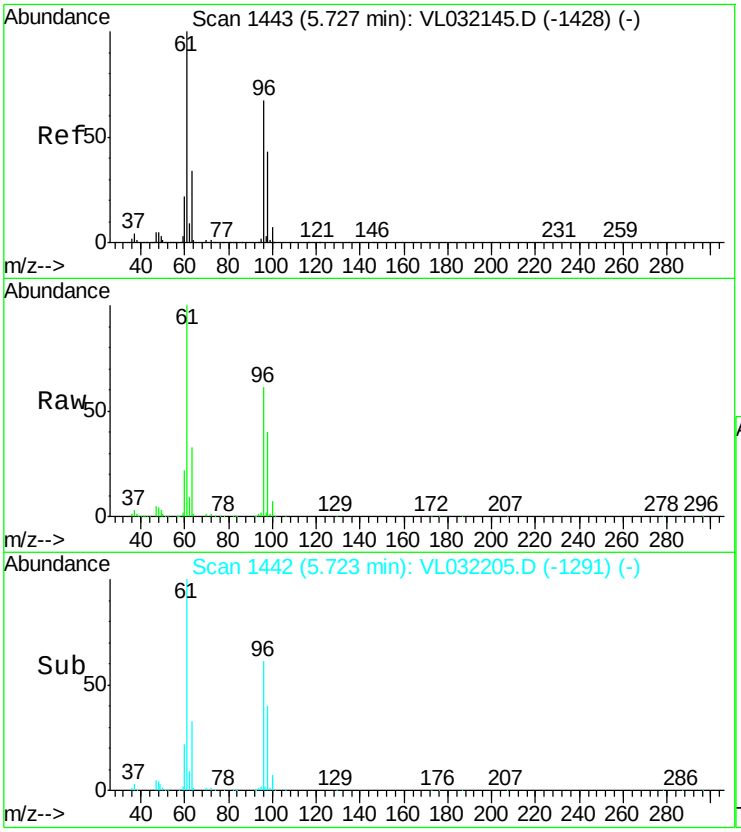


#30
Cyclohexane
Concen: 10.364 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 84 Resp: 1598312

Ion	Ratio	Lower	Upper
84	100		
56	136.1	109.1	163.7
41	80.7	64.6	96.8



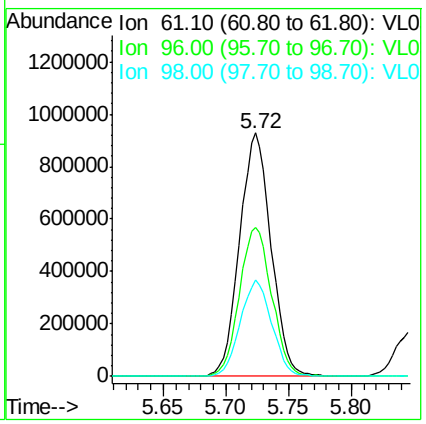


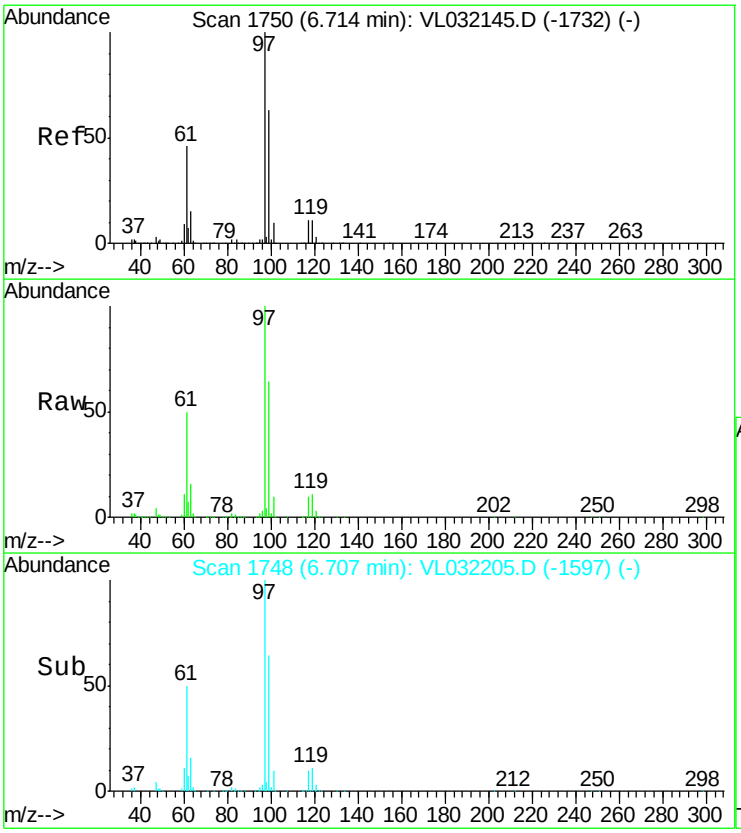
#31
cis-1,2-Dichloroethene
Concen: 9.922 ppbv
RT: 5.72 min Scan# 1442
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 61 Resp: 1622463

Ion	Ratio	Lower	Upper
61	100		
96	61.3	54.2	81.4
98	39.7	34.6	52.0

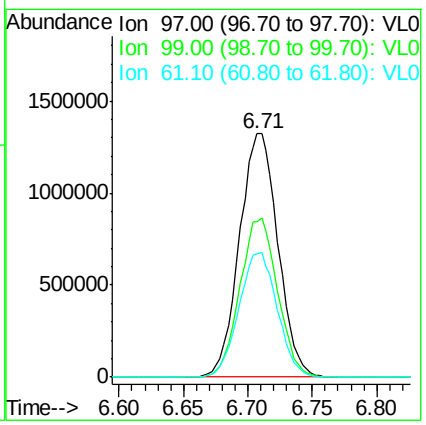


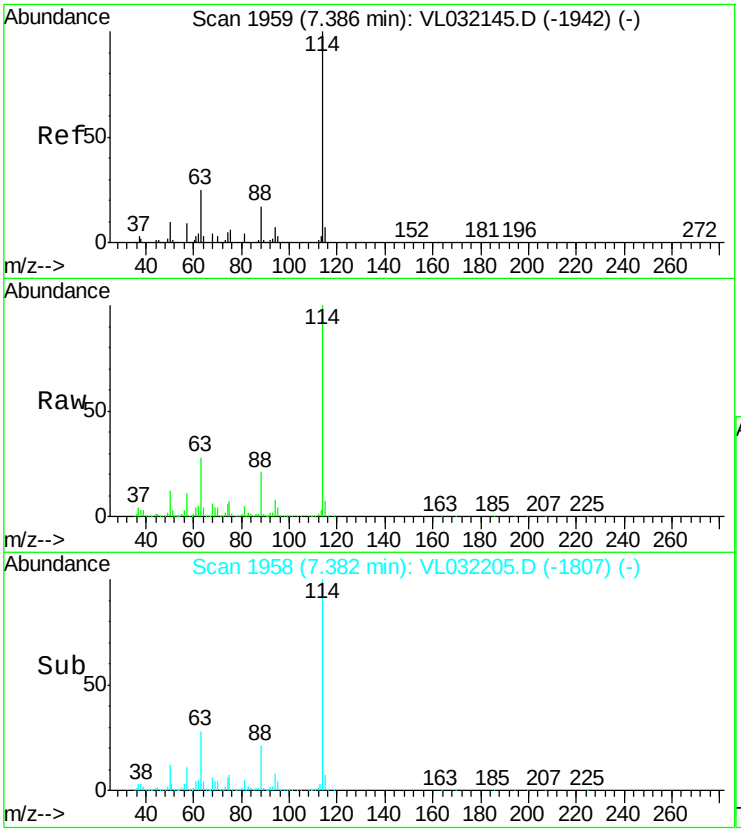


#32
1,1,1-Trichloroethane
Concen: 10.992 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 97 Resp: 2744421

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	51.2	38.4	57.6



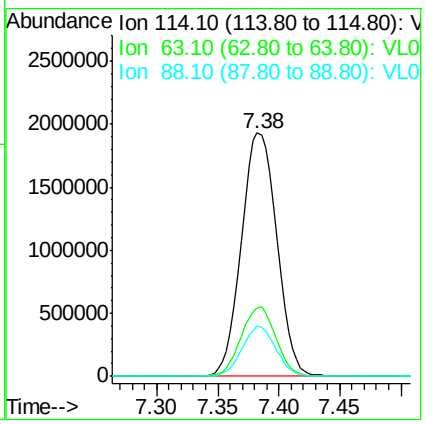


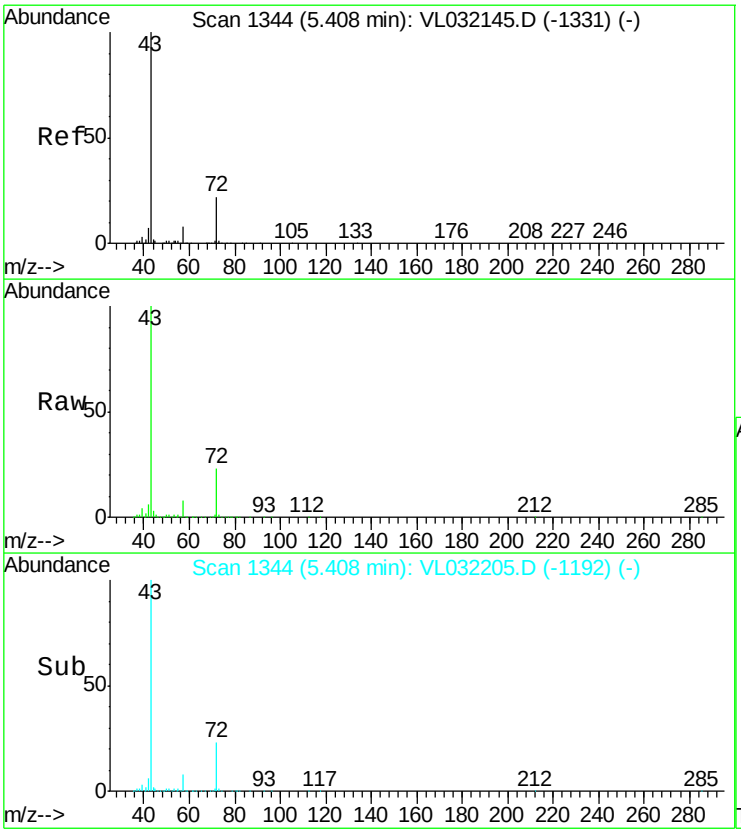
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:114 Resp: 3857095

Ion	Ratio	Lower	Upper
114	100		
63	28.3	19.1	28.7
88	19.5	13.9	20.9

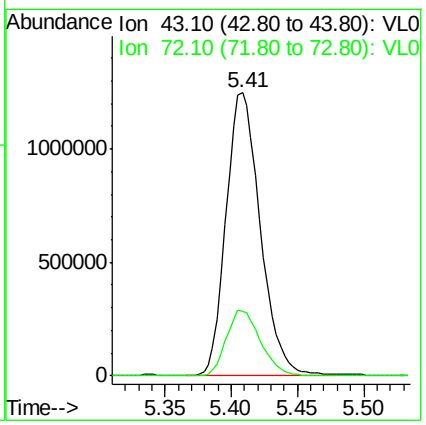


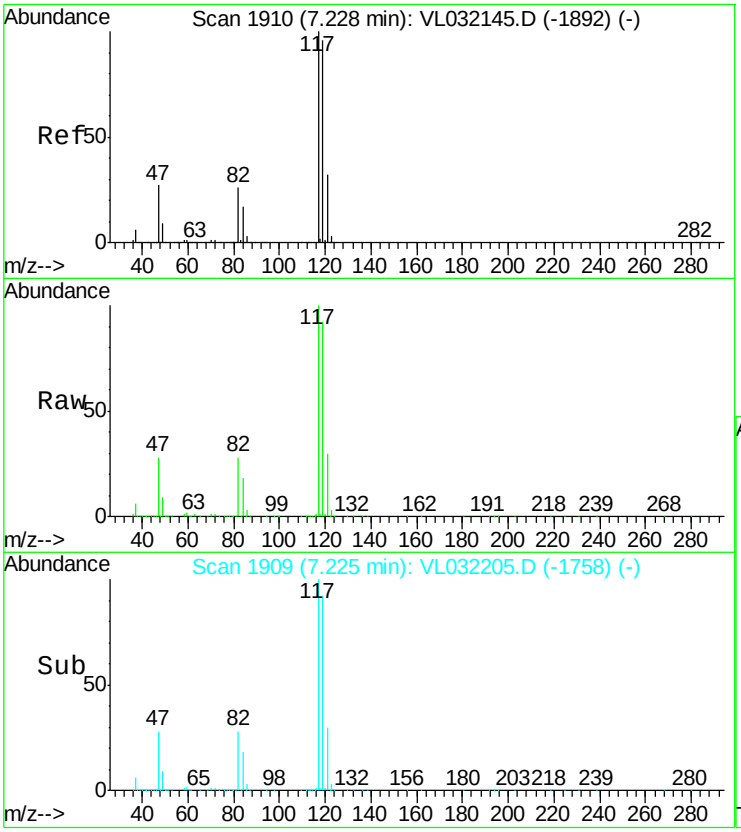


#34
2-Butanone
Concen: 9.126 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 43 Resp: 2234105

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6



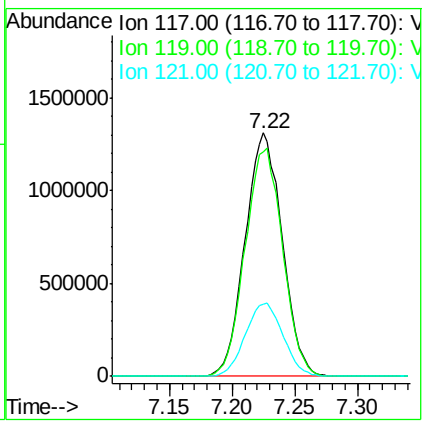


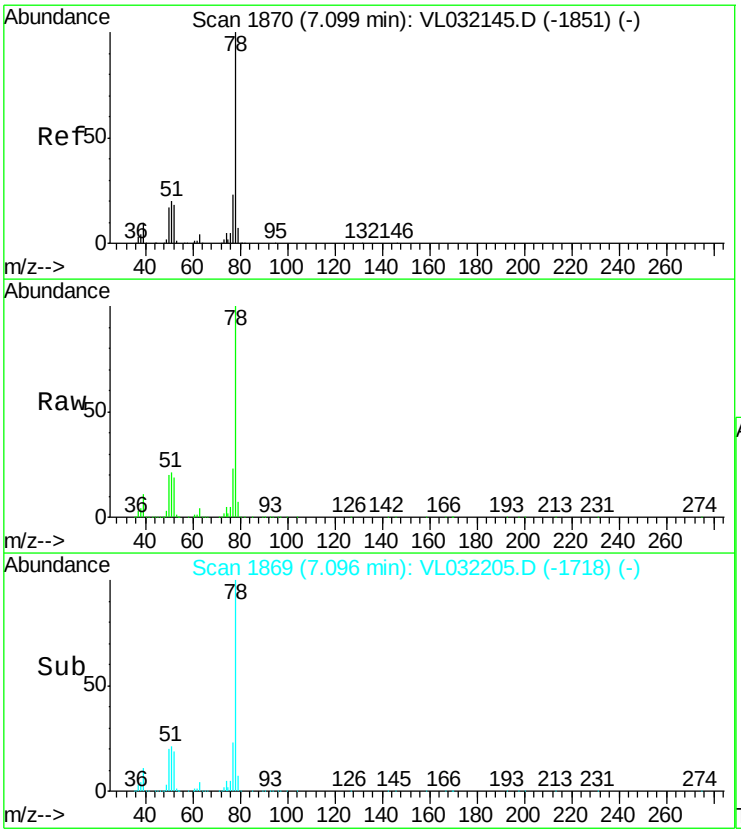
#35
Carbon Tetrachloride
Concen: 10.229 ppbv
RT: 7.22 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:117 Resp: 2700754

Ion	Ratio	Lower	Upper
117	100		
119	92.1	74.8	112.2
121	29.6	24.0	36.0

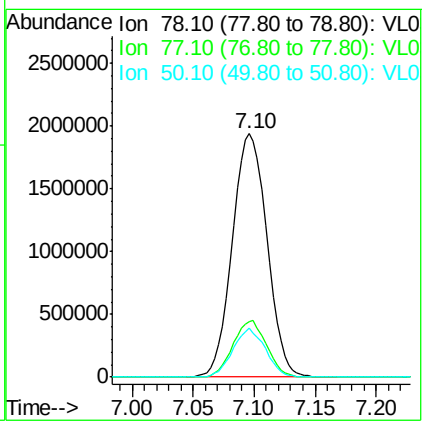


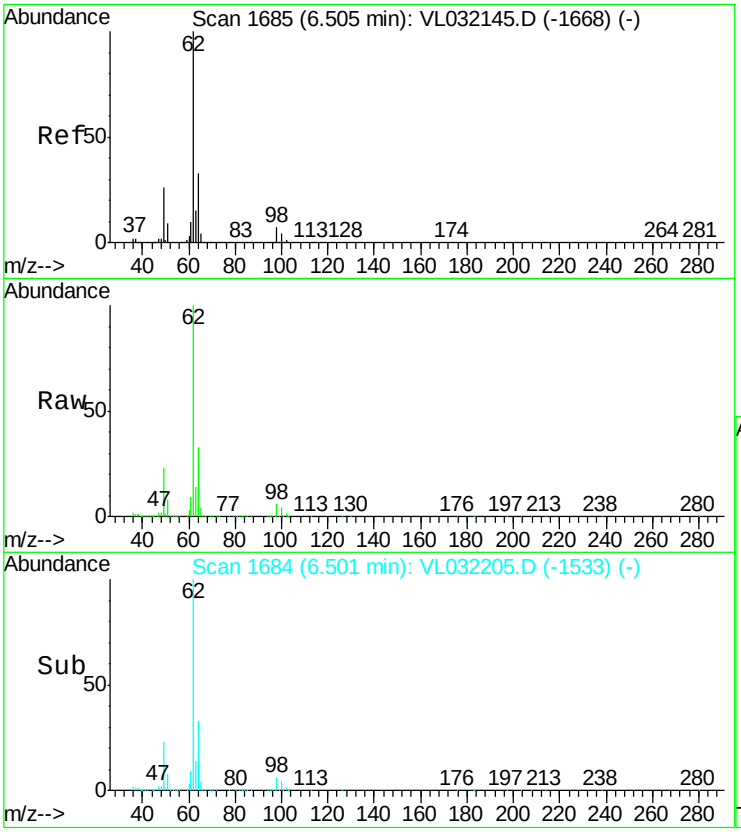


#36
Benzene
Concen: 10.215 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 78 Resp: 3813467

Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.7	26.5
50	20.3	14.0	21.0



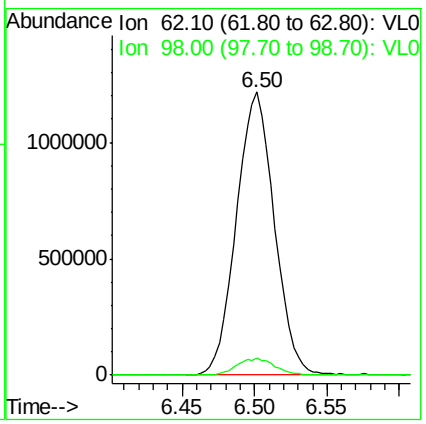


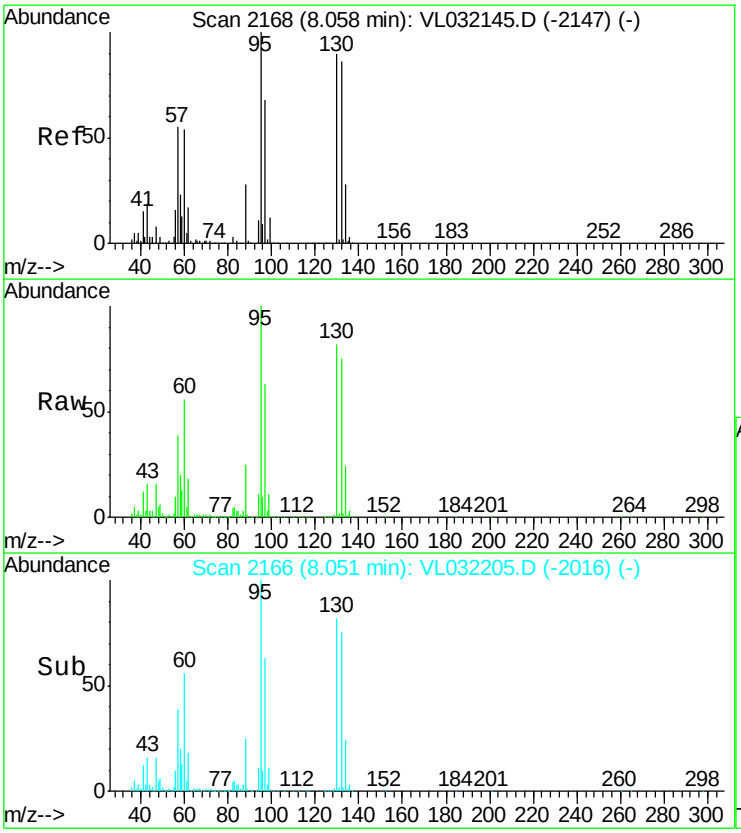
#37
1,2-Dichloroethane
Concen: 11.901 ppbv
RT: 6.50 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 62 Resp: 2213504

Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.8	8.6

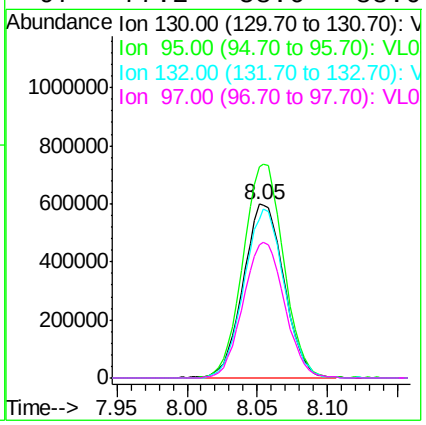


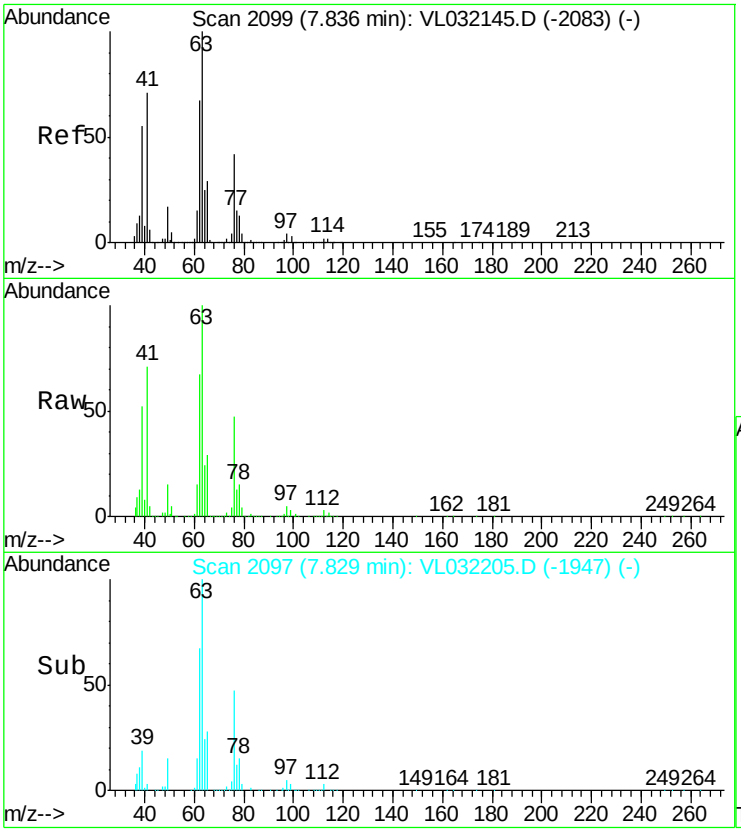


#38
Trichloroethene
Concen: 8.248 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:130 Resp: 1202945

Ion	Ratio	Lower	Upper
130	100		
95	122.1	88.1	132.1
132	91.8	74.6	112.0
97	77.2	58.6	88.0



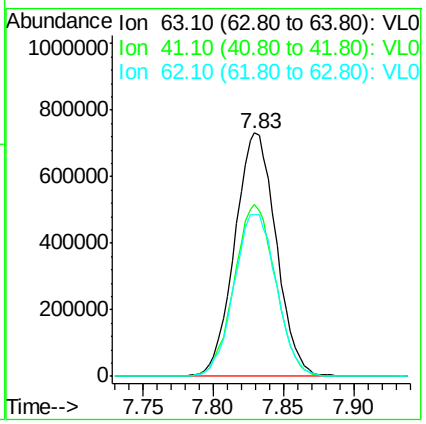


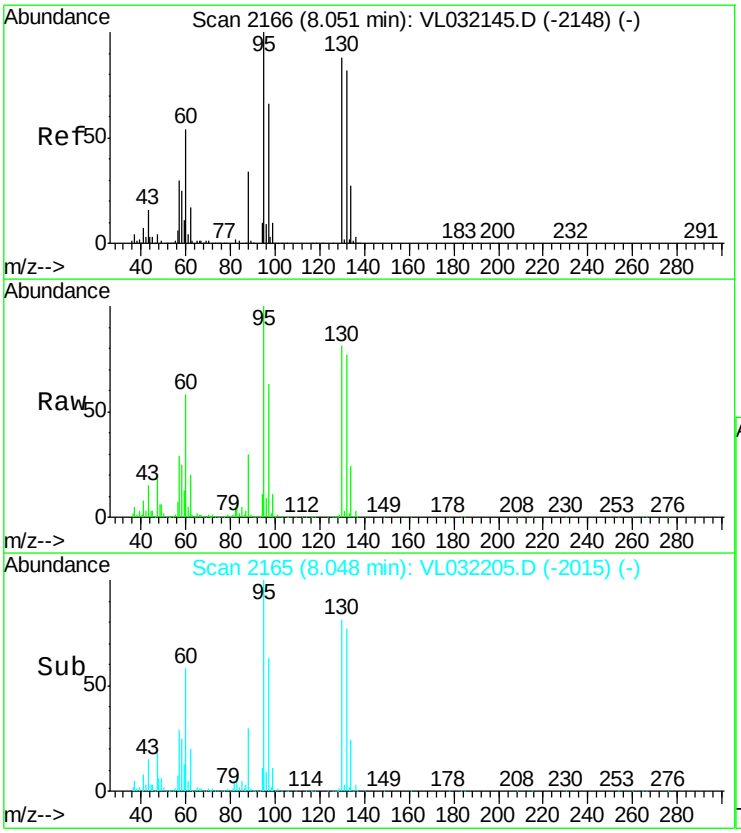
#39
1,2-Dichloropropane
Concen: 10.198 ppbv
RT: 7.83 min Scan# 2097
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 63 Resp: 1501437

Ion	Ratio	Lower	Upper
63	100		
41	70.4	53.3	79.9
62	66.3	54.8	82.2

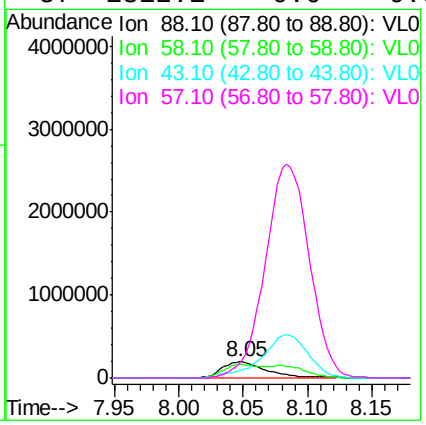


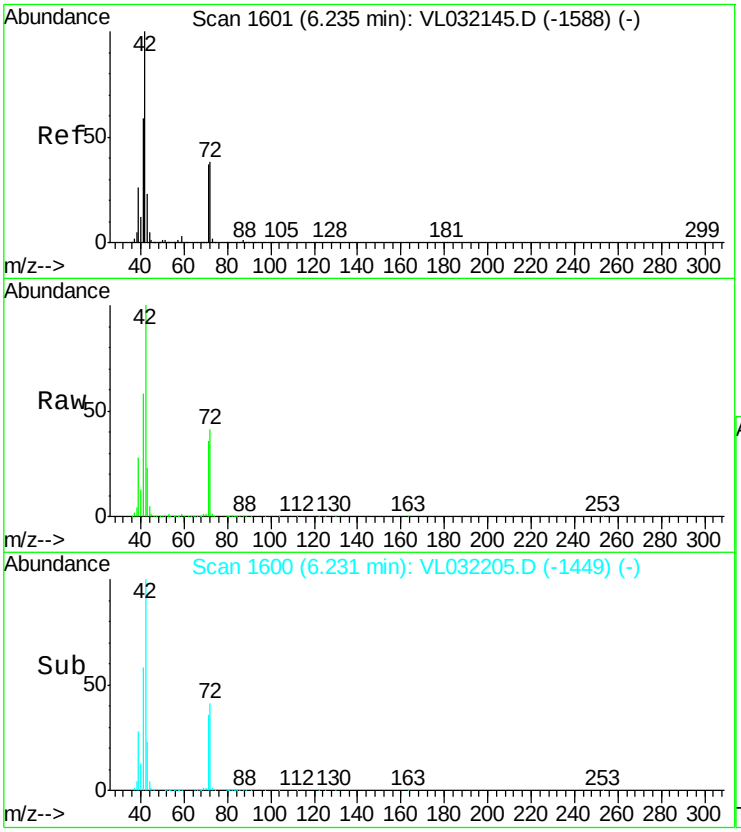


#40
1,4-Dioxane
Concen: 8.135 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 88 Resp: 469696

Ion	Ratio	Lower	Upper
88	100		
58	137.9	47.4	71.0#
43	282.5	0.0	0.0#
57	1312.1	0.0	0.0#



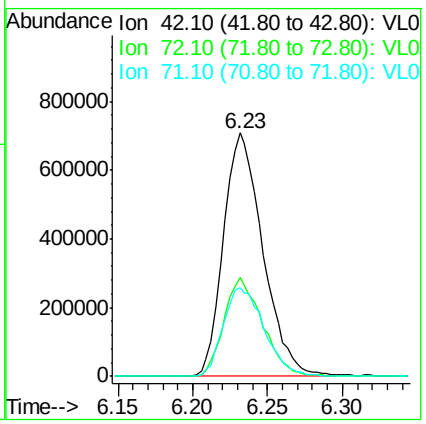


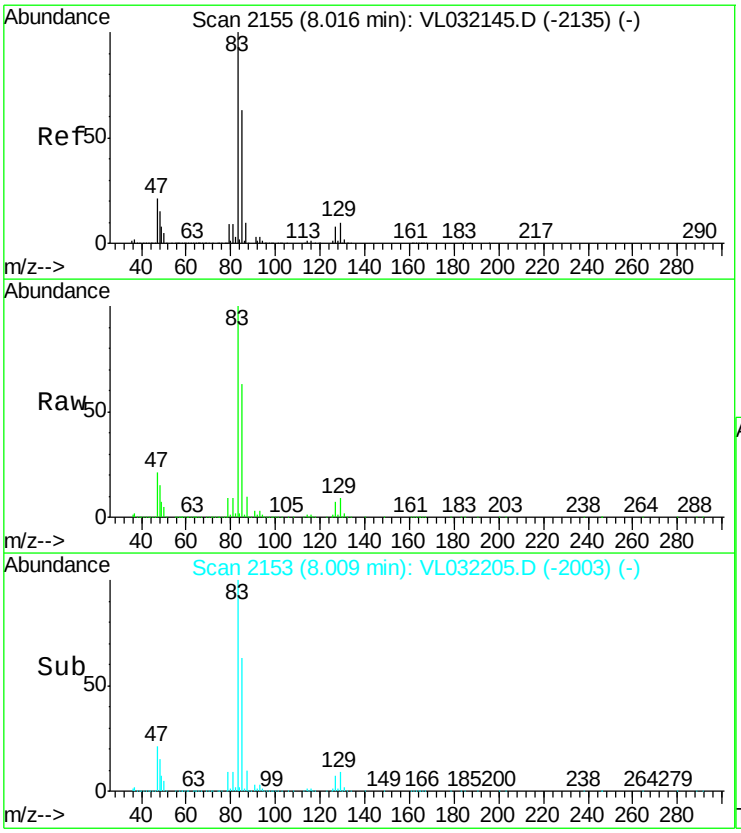
#41
Tetrahydrofuran
Concen: 8.841 ppbv
RT: 6.23 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 42 Resp: 1297433

Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.1	46.7
71	38.2	29.5	44.3

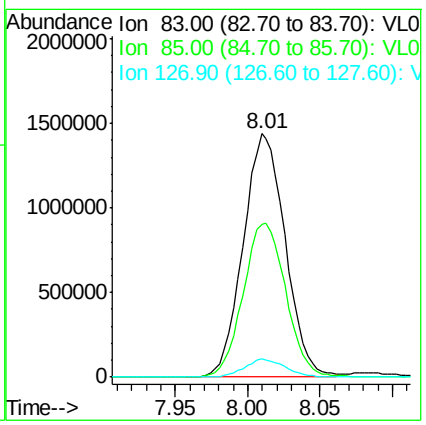


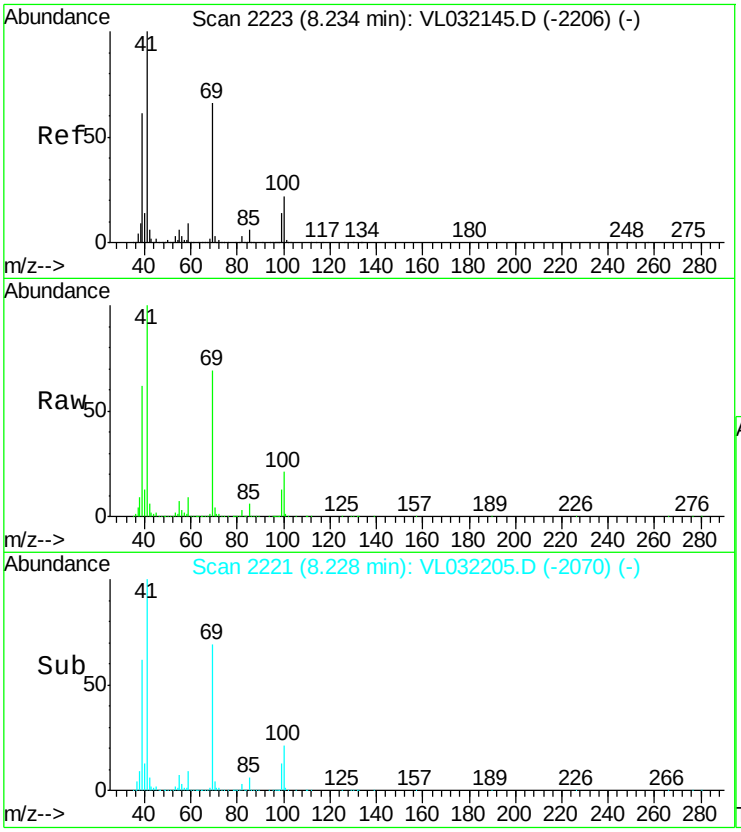


#42
Bromodichloromethane
Concen: 9.964 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 83 Resp: 2904903

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.6	79.0
127	7.3	6.5	9.7



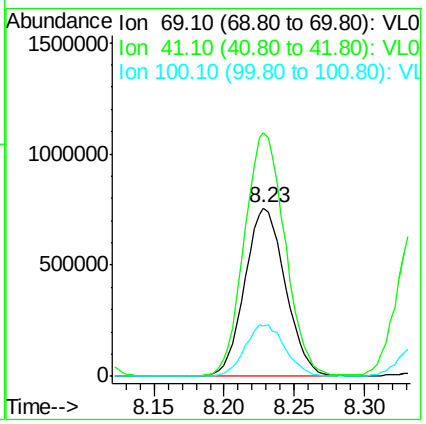


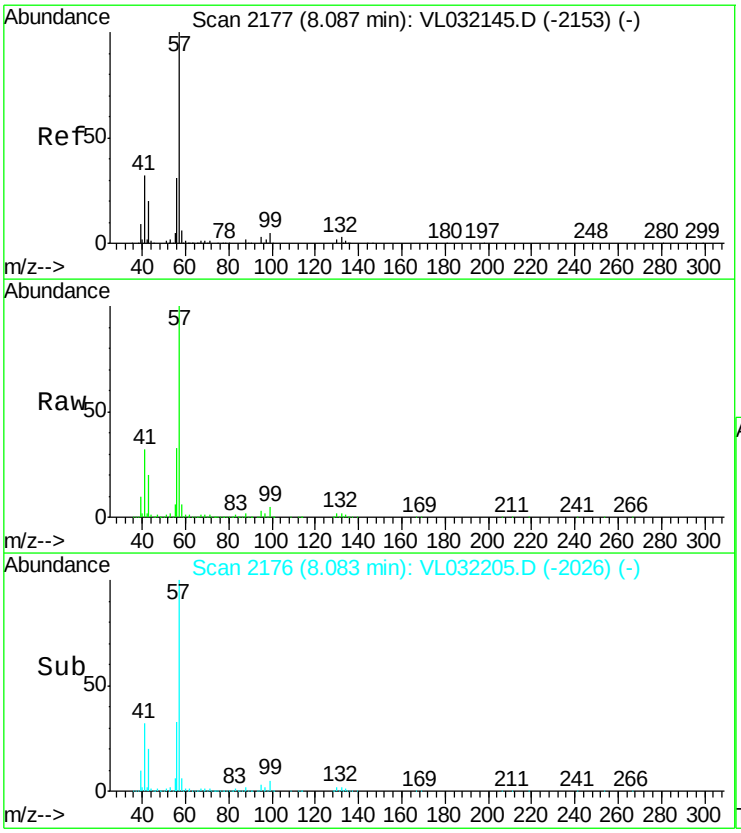
#43
Methyl Methacrylate
Concen: 9.837 ppbv
RT: 8.23 min Scan# 2221
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 69 Resp: 1522160

Ion	Ratio	Lower	Upper
69	100		
41	145.2	118.2	177.4
100	30.5	27.4	41.2

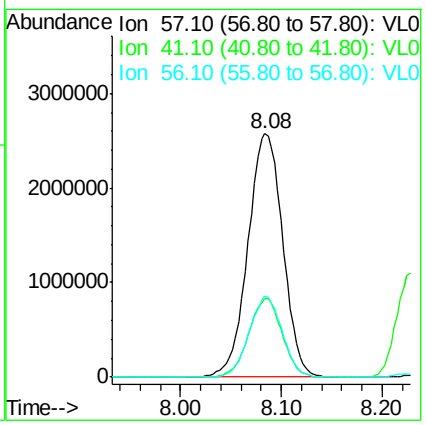


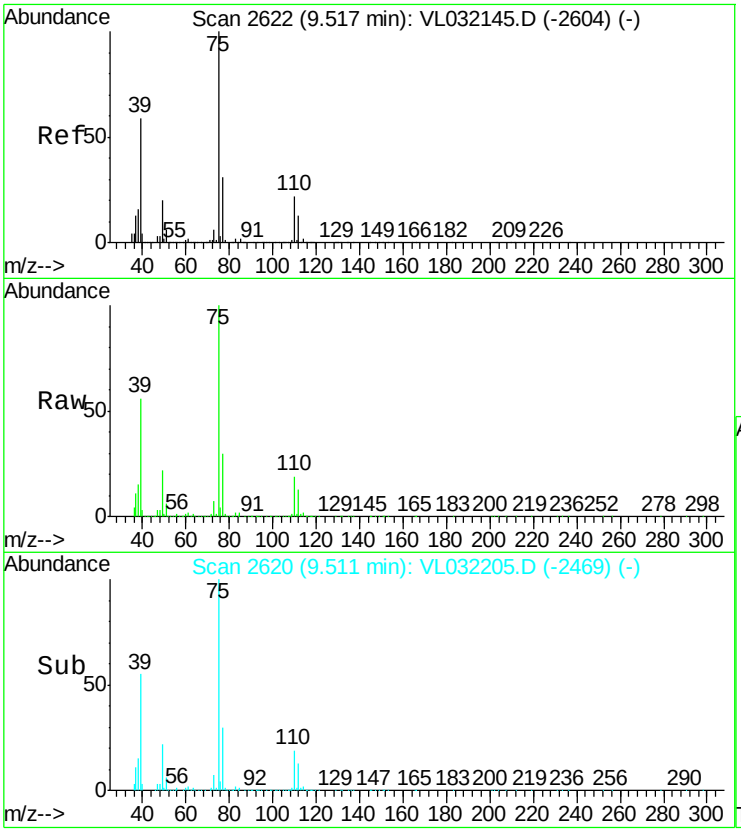


#44
2,2,4-Trimethylpentane
Concen: 9.430 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 57 Resp: 6159769

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.3	36.5
56	31.5	25.1	37.7



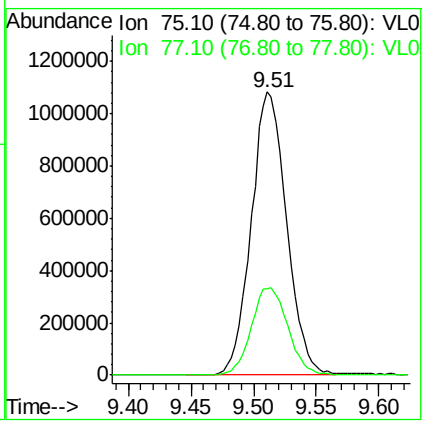


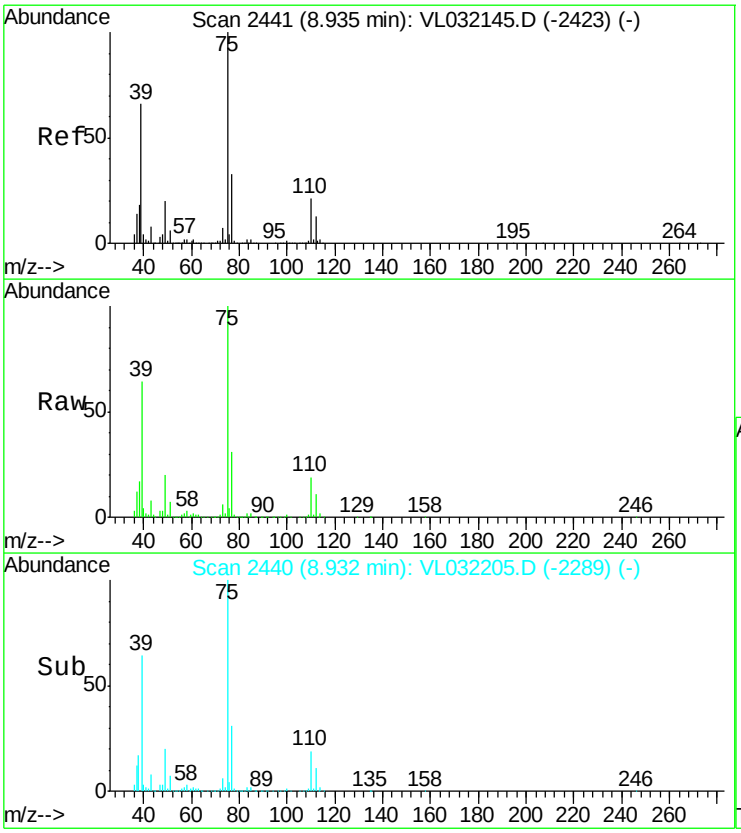
#45
t-1,3-Dichloropropene
Concen: 11.089 ppbv
RT: 9.51 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 75 Resp: 2126269

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.6	38.4

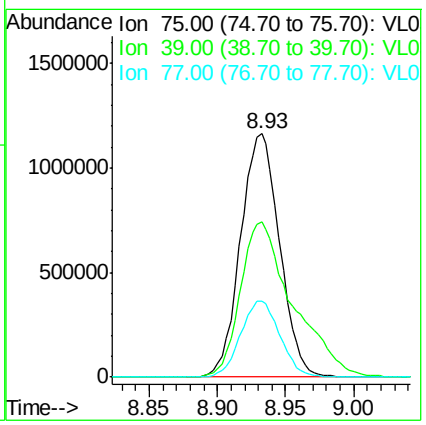


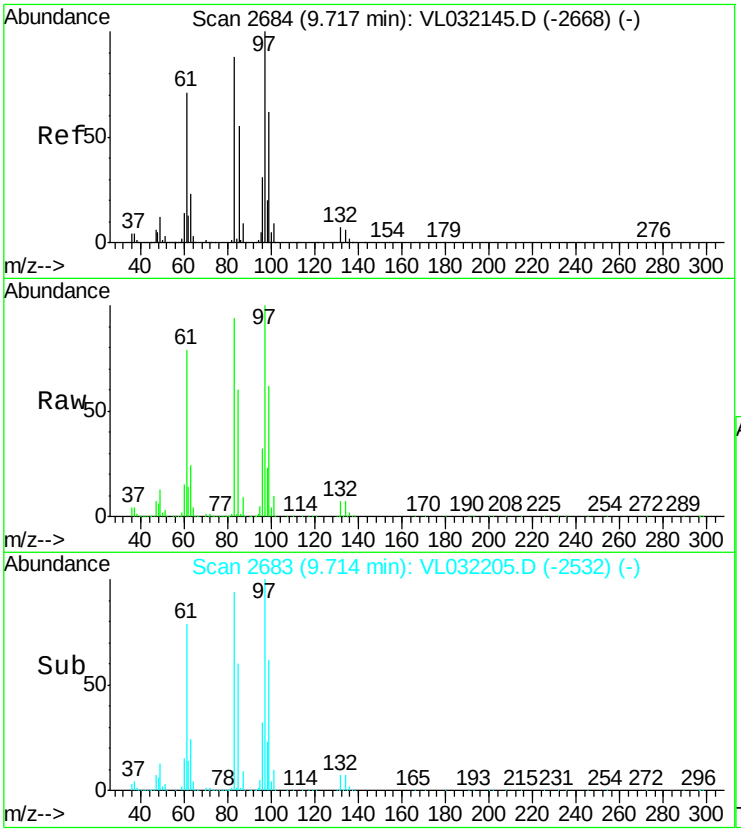


#46
cis-1,3-Dichloropropene
Concen: 10.090 ppbv
RT: 8.93 min Scan# 2440
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 75 Resp: 2309945

Ion	Ratio	Lower	Upper
75	100		
39	63.7	51.9	77.9
77	31.3	24.3	36.5



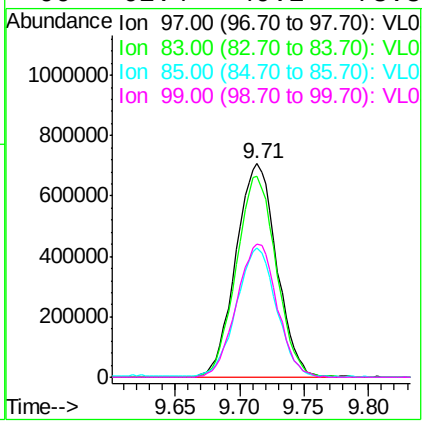


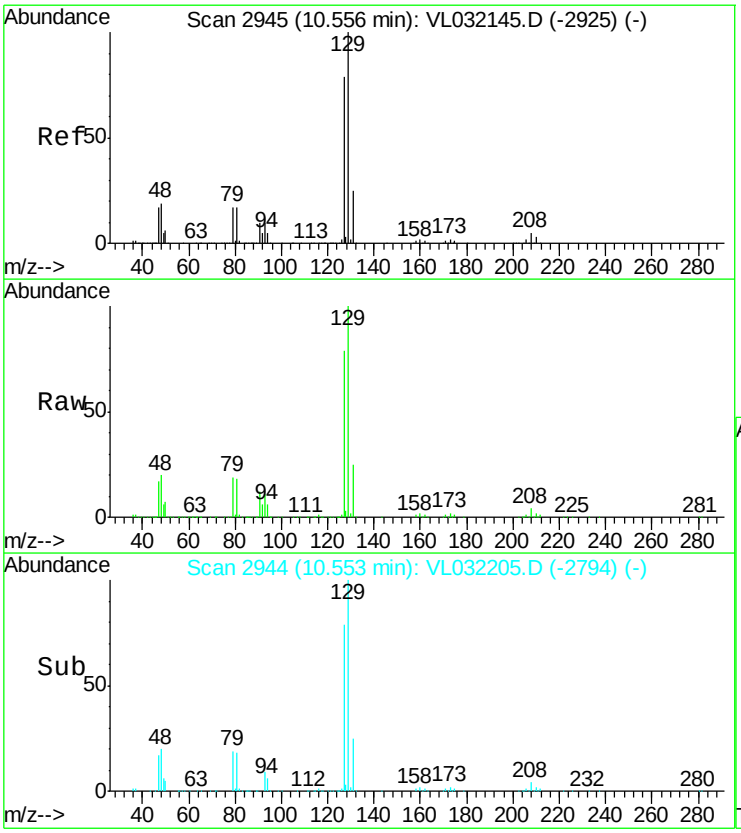
#47
1,1,2-Trichloroethane
Concen: 10.138 ppbv
RT: 9.71 min Scan# 2683
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 97 Resp: 1551486

Ion	Ratio	Lower	Upper
97	100		
83	94.0	71.0	106.4
85	60.1	44.2	66.4
99	62.4	49.2	73.8

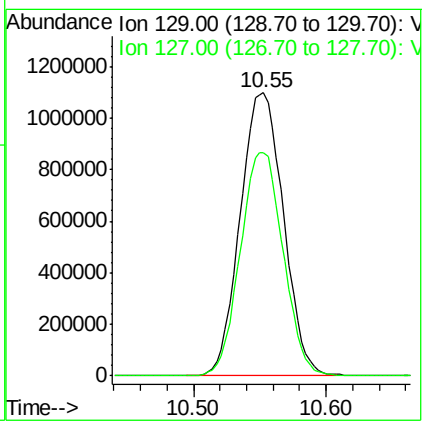


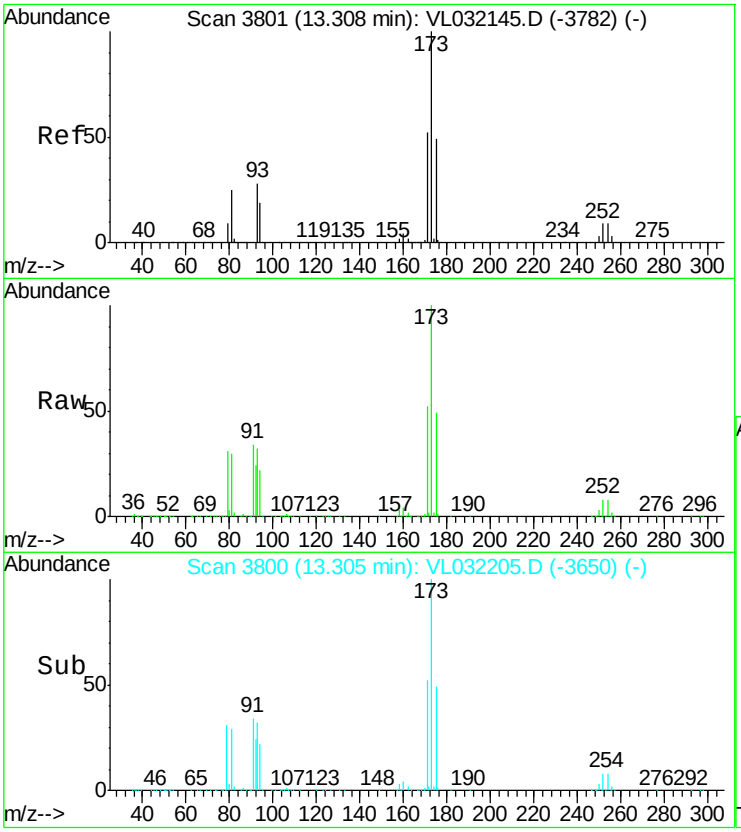


#48
Dibromochloromethane
Concen: 10.487 ppbv
RT: 10.55 min Scan# 2944
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:129 Resp: 2484633

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5



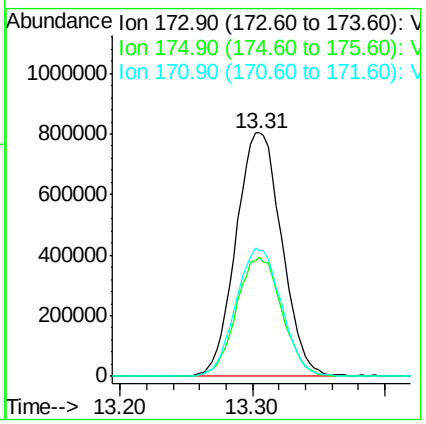


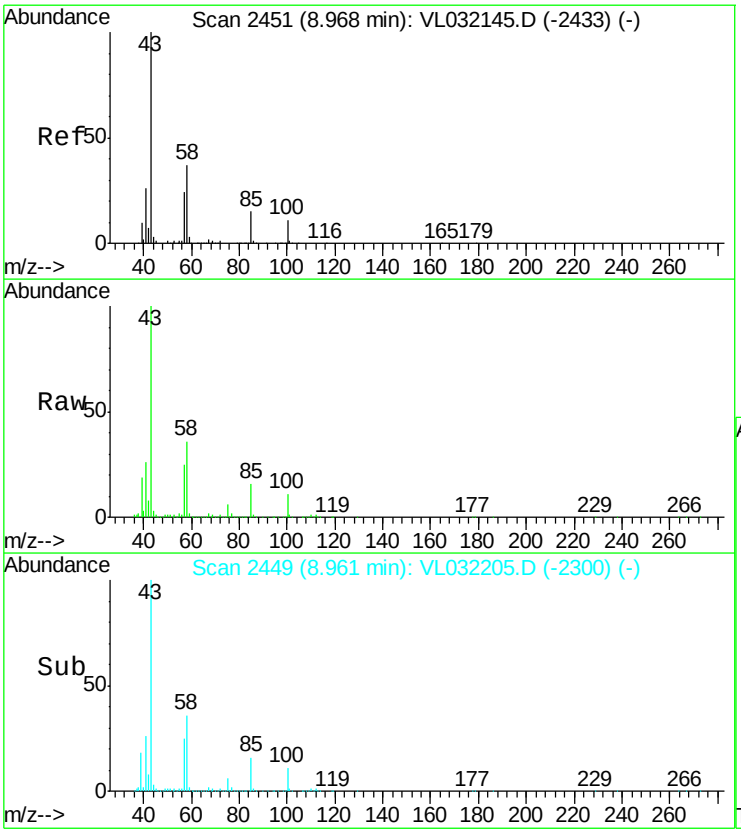
#49
Bromoform
Concen: 9.697 ppbv
RT: 13.31 min Scan# 3800
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:173 Resp: 1923789

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.0
171	52.7	41.8	62.8

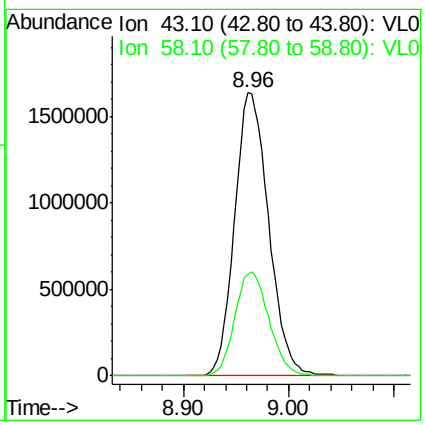


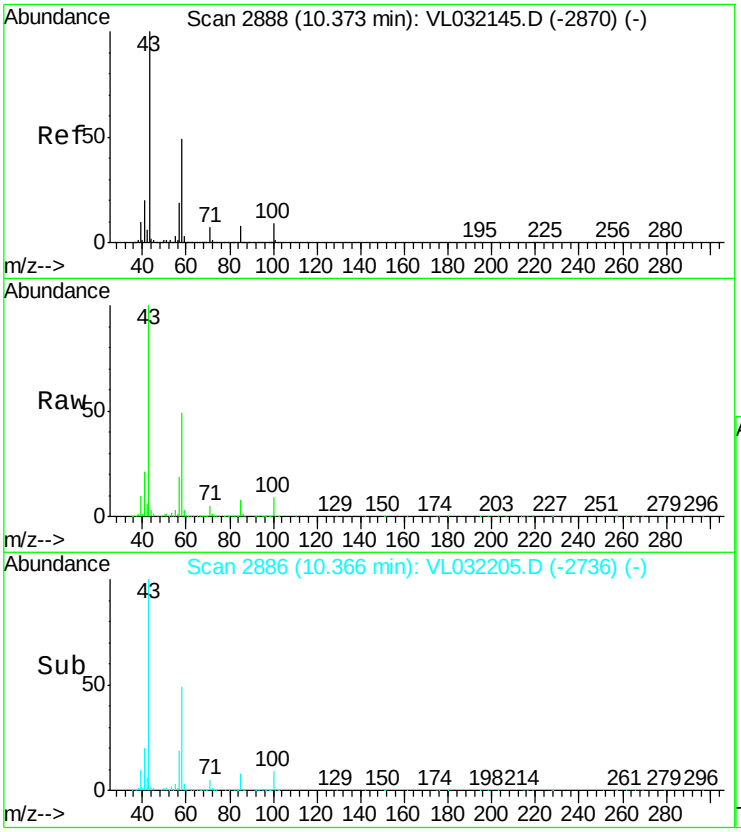


#50
4-Methyl-2-Pentanone
Concen: 9.152 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 43 Resp: 3670288

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.8	44.6



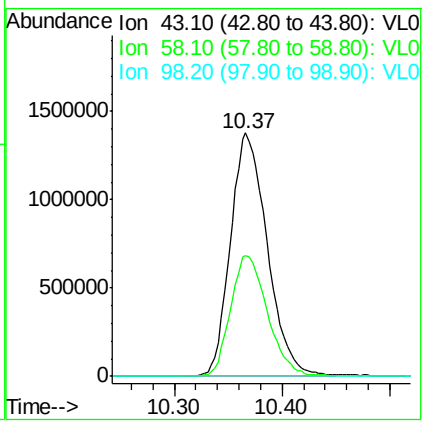


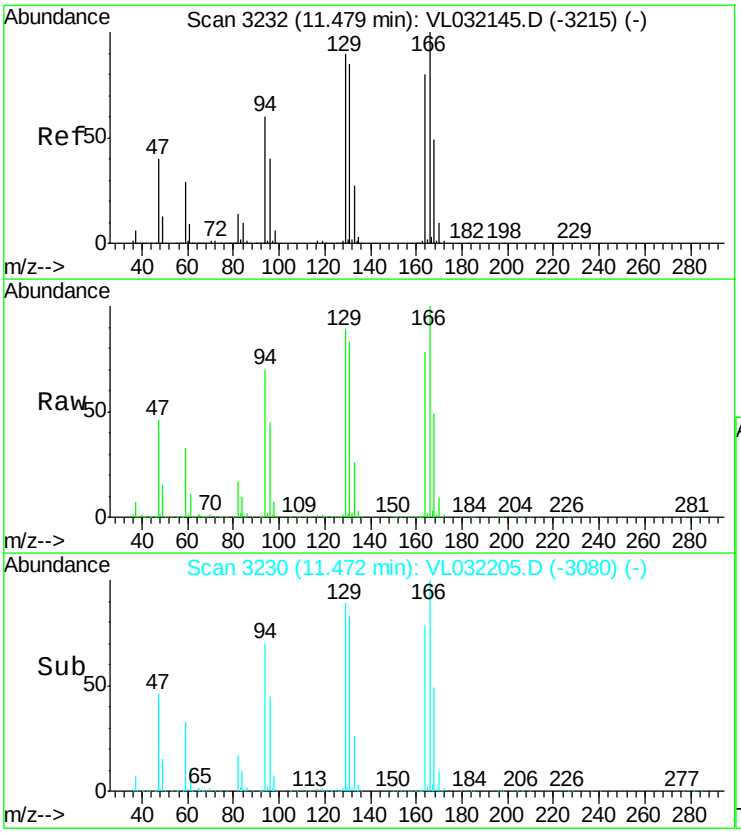
#51
2-Hexanone
Concen: 9.837 ppbv
RT: 10.37 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 43 Resp: 3270279

Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.6	60.8
98	0.3	0.1	0.1#

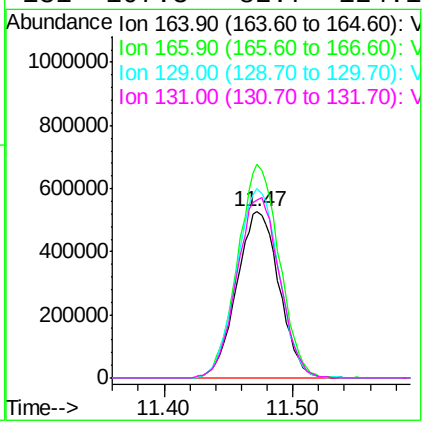


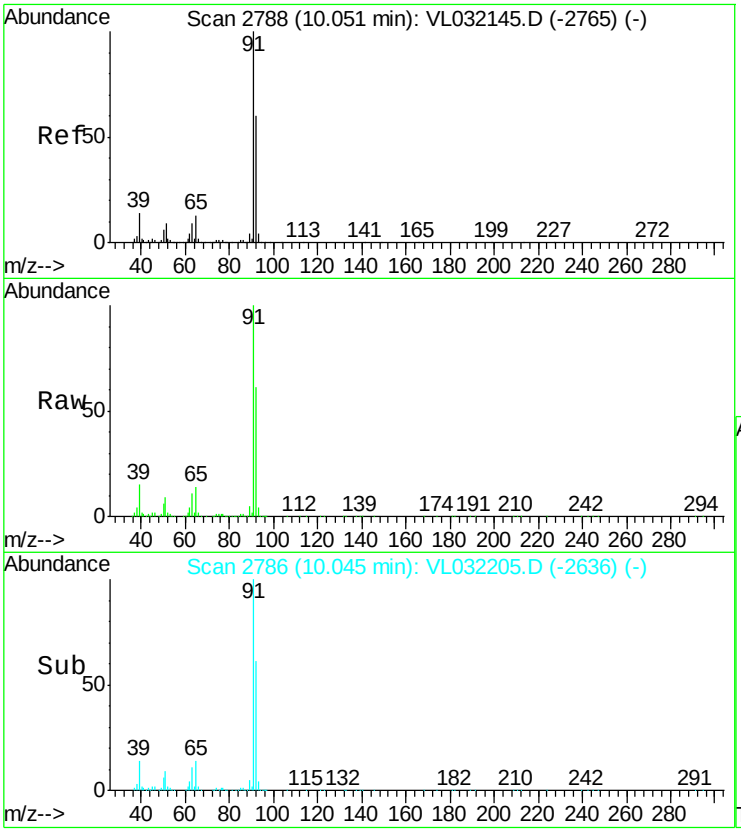


#52
Tetrachloroethene
Concen: 8.866 ppbv
RT: 11.47 min Scan# 3230
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:164 Resp: 1203576

Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.6	151.0
129	113.9	84.0	126.0
131	107.3	82.7	124.1



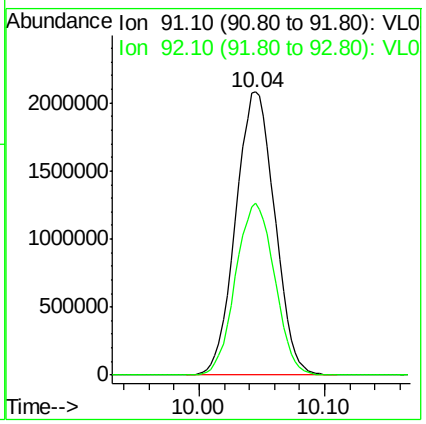


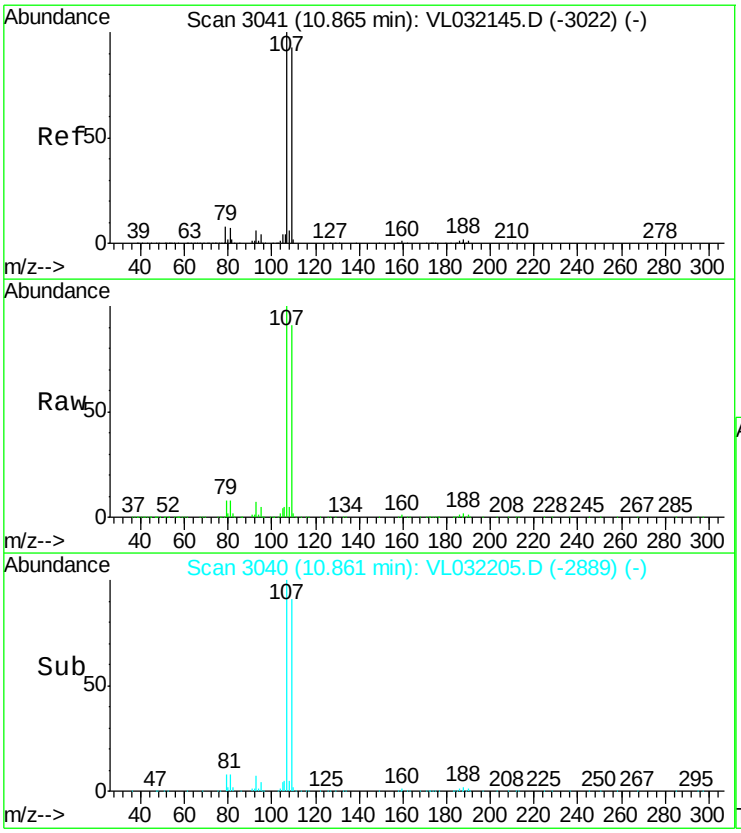
#53
Toluene
Concen: 9.982 ppbv
RT: 10.04 min Scan# 2786
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 91 Resp: 4503942

Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.2	73.8

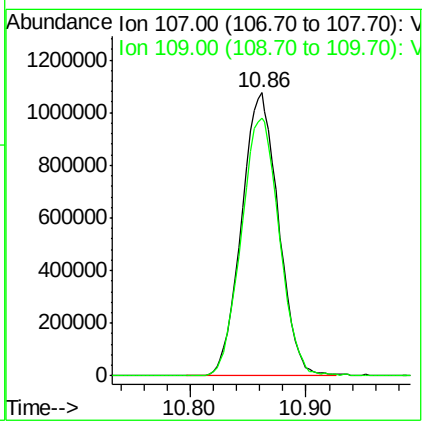


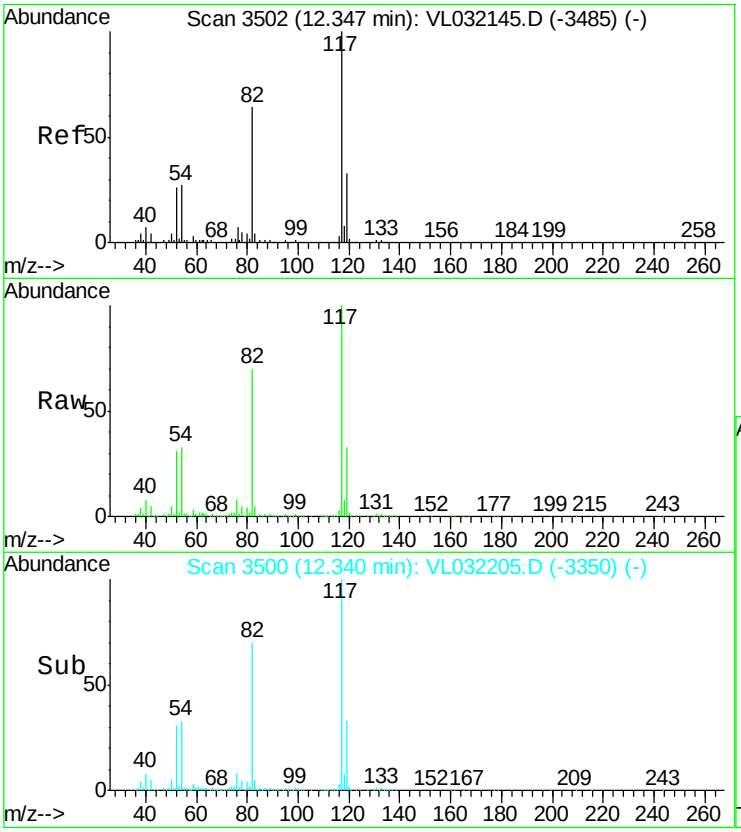


#54
1,2-Dibromoethane
Concen: 10.342 ppbv
RT: 10.86 min Scan# 3040
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:107 Resp: 2379365

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.0	112.4



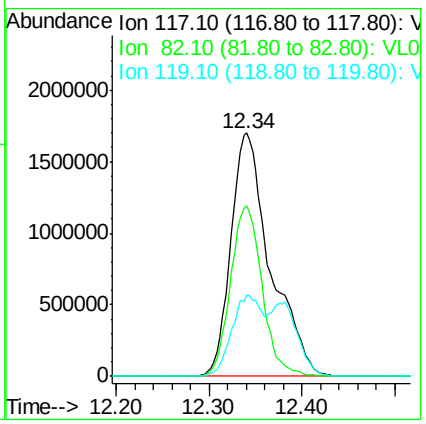


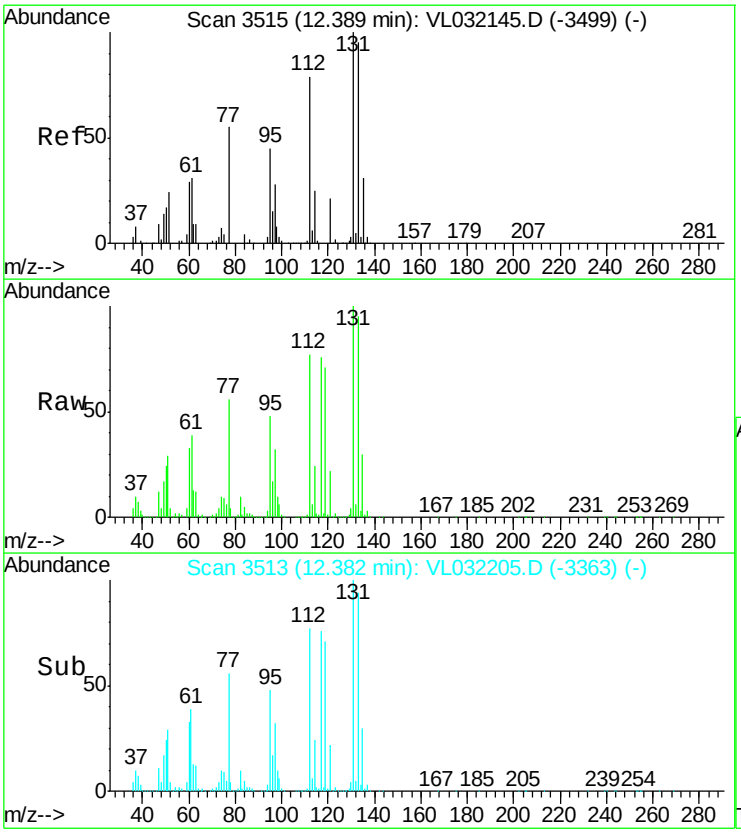
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:117 Resp: 5038253

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.8
119	28.4	43.3	64.9#

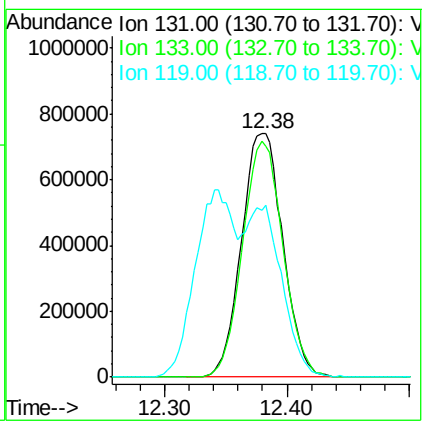


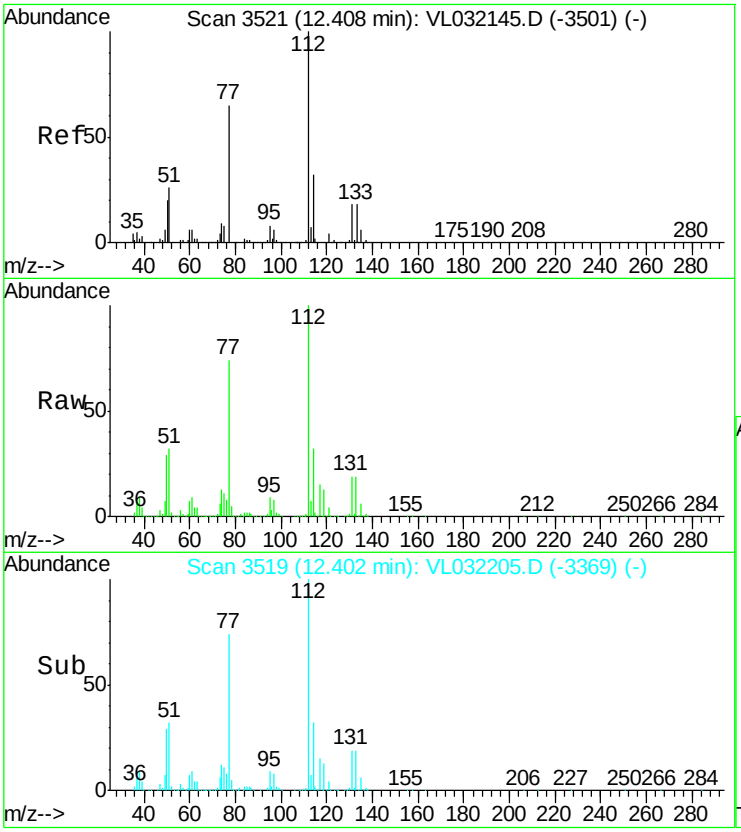


#56
1,1,1,2-Tetrachloroethane
Concen: 7.715 ppbv
RT: 12.38 min Scan# 3513
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:131 Resp: 1735433

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.5	113.3
119	55.1	118.4	177.6#



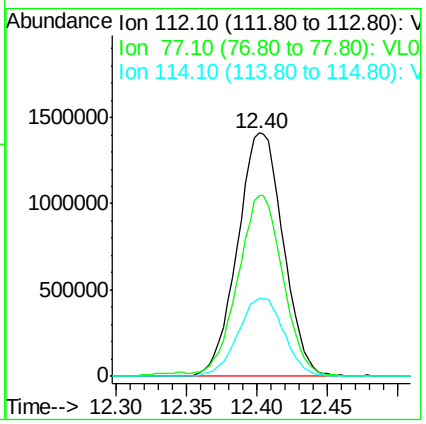


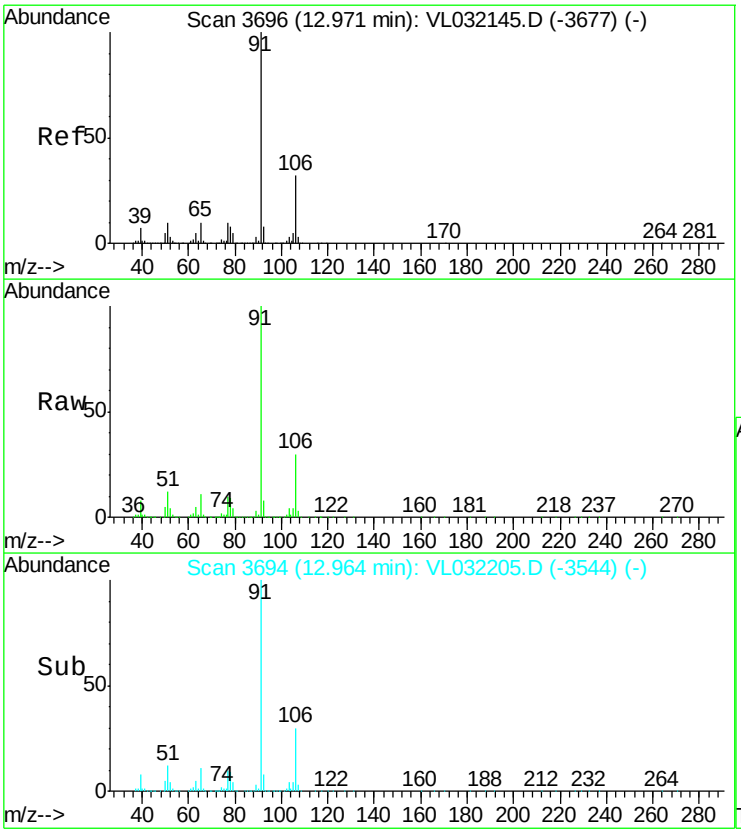
#57
Chlorobenzene
Concen: 7.300 ppbv
RT: 12.40 min Scan# 3519
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:112 Resp: 3185077

Ion	Ratio	Lower	Upper
112	100		
77	73.8	52.6	78.8
114	32.2	27.9	34.1

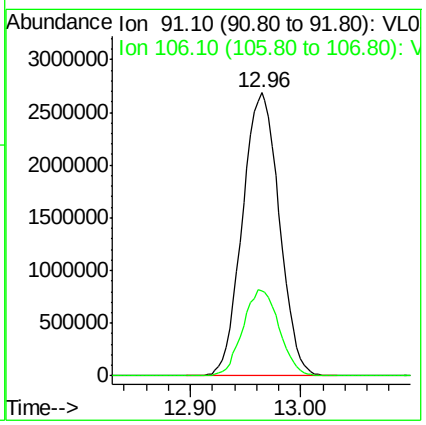


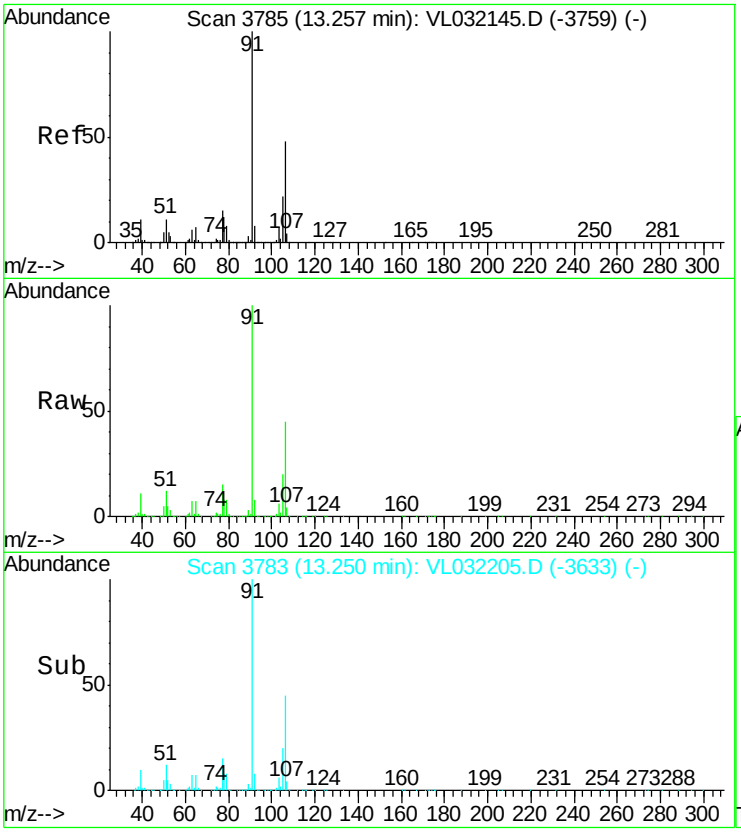


#58
Ethyl Benzene
Concen: 7.654 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 91 Resp: 6214619

Ion	Ratio	Lower	Upper
91	100		
106	29.8	26.5	39.7



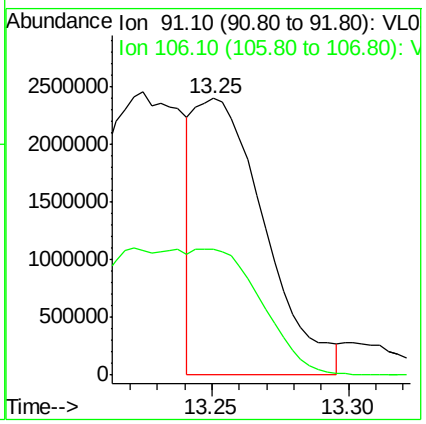


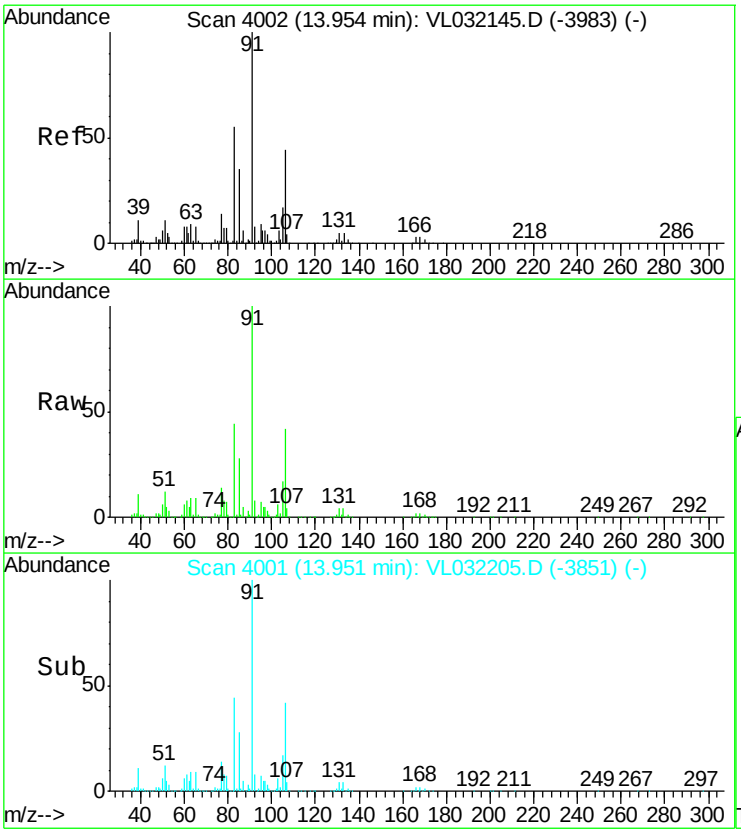
#59
m/p-Xylene
Concen: 6.567 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 91 Resp: 4274214

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.6	58.0#

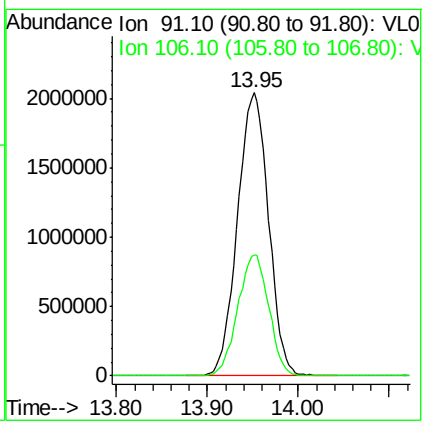


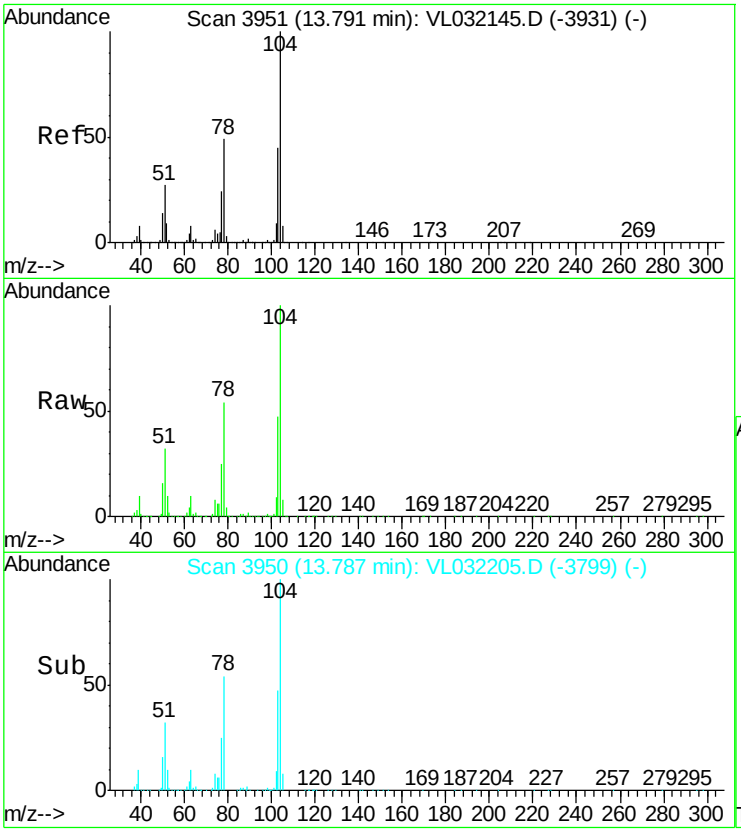


#60
o-Xylene
Concen: 7.435 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 91 Resp: 4826485

Ion	Ratio	Lower	Upper
91	100		
106	42.9	23.3	69.8



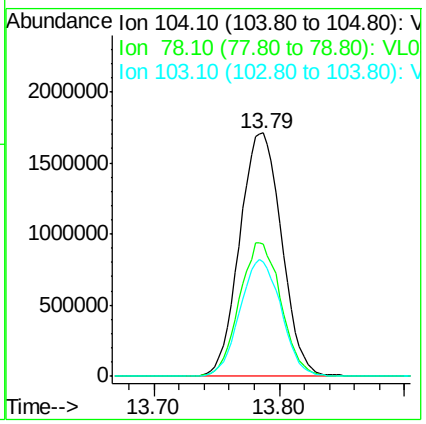


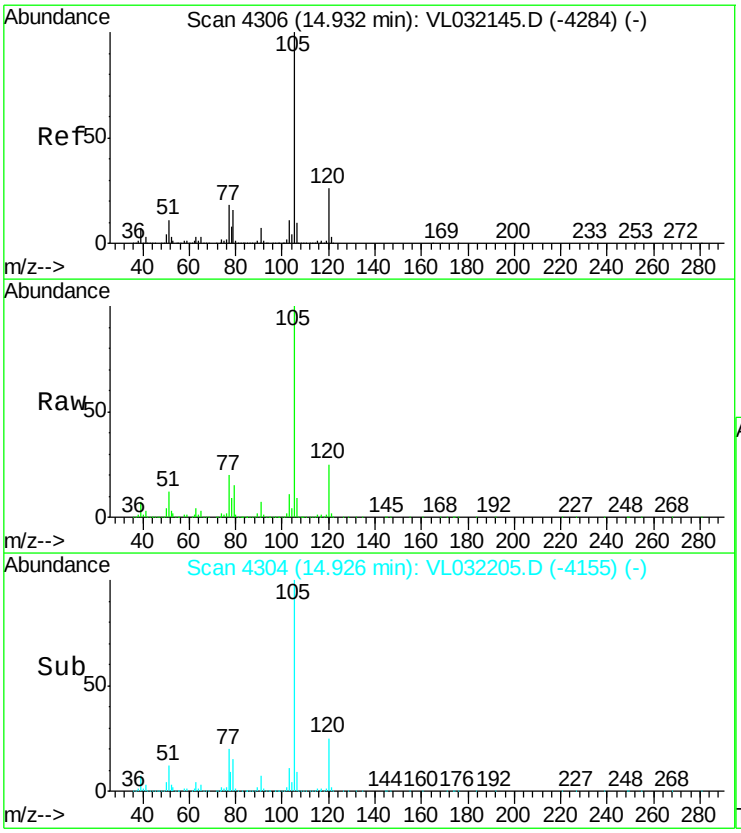
#61
Styrene
Concen: 7.443 ppbv
RT: 13.79 min Scan# 3950
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:104 Resp: 3959807

Ion	Ratio	Lower	Upper
104	100		
78	54.6	37.9	56.9
103	47.3	36.6	55.0

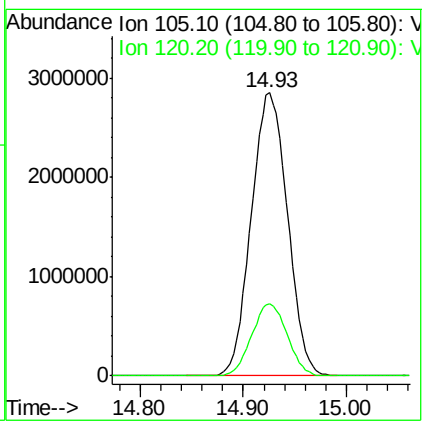


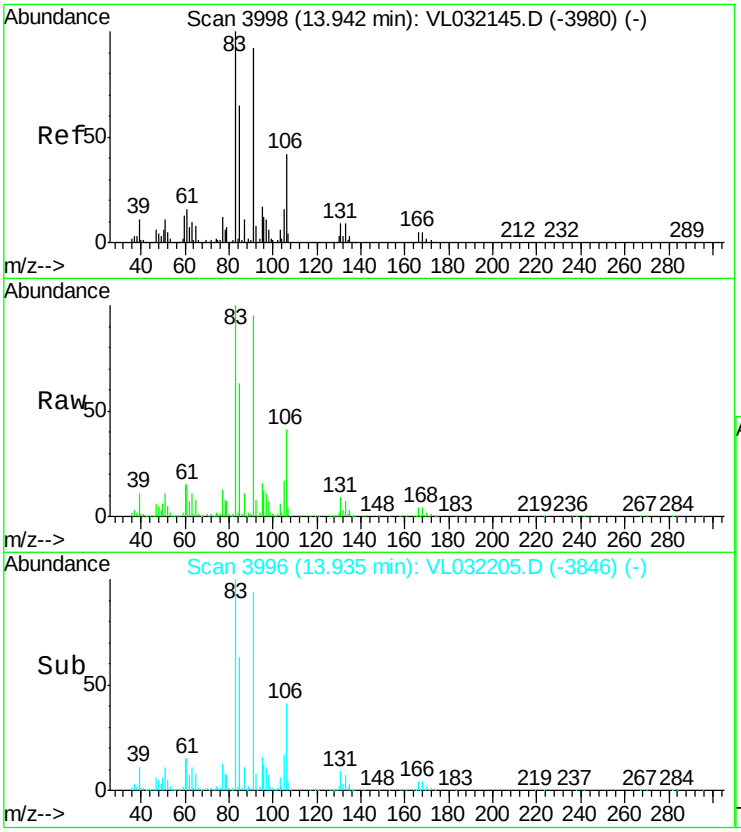


#62
Isopropylbenzene
Concen: 6.966 ppbv
RT: 14.93 min Scan# 4304
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:105 Resp: 6953253

Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.0	31.4



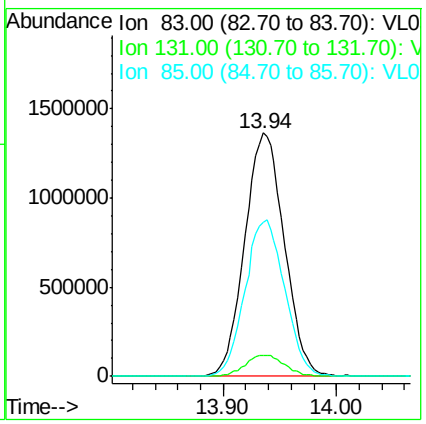


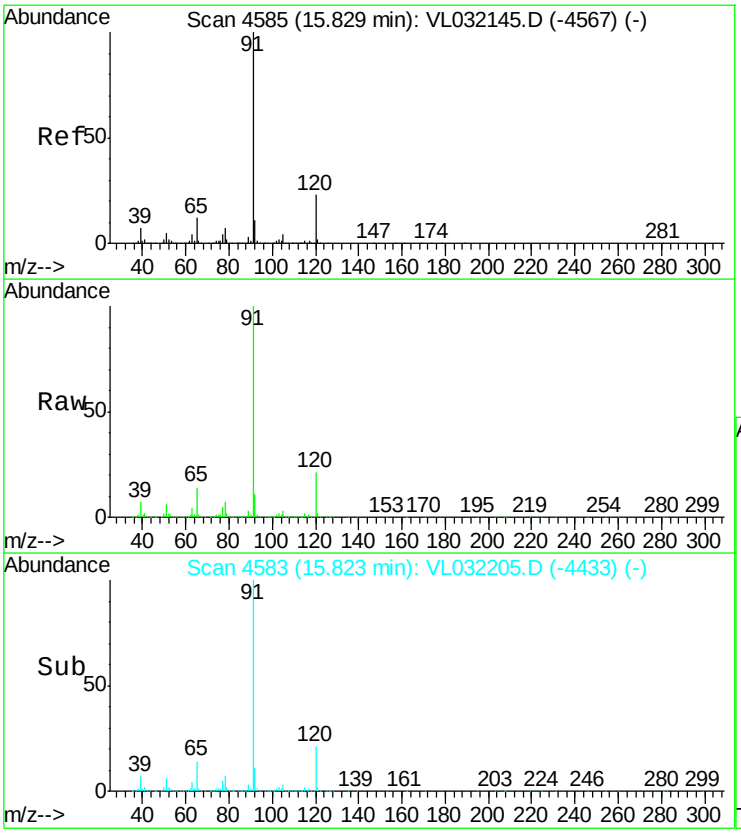
#63
1,1,2,2-Tetrachloroethane
Concen: 6.592 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion: 83 Resp: 3313671

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.6	13.8
85	64.6	32.4	97.2

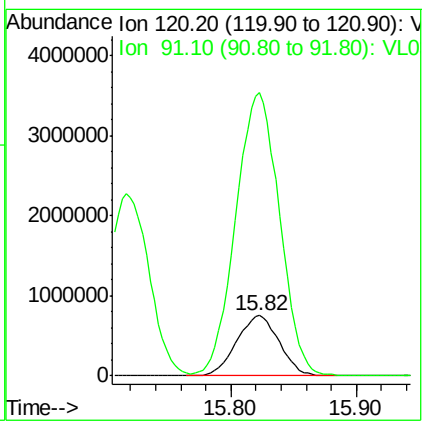


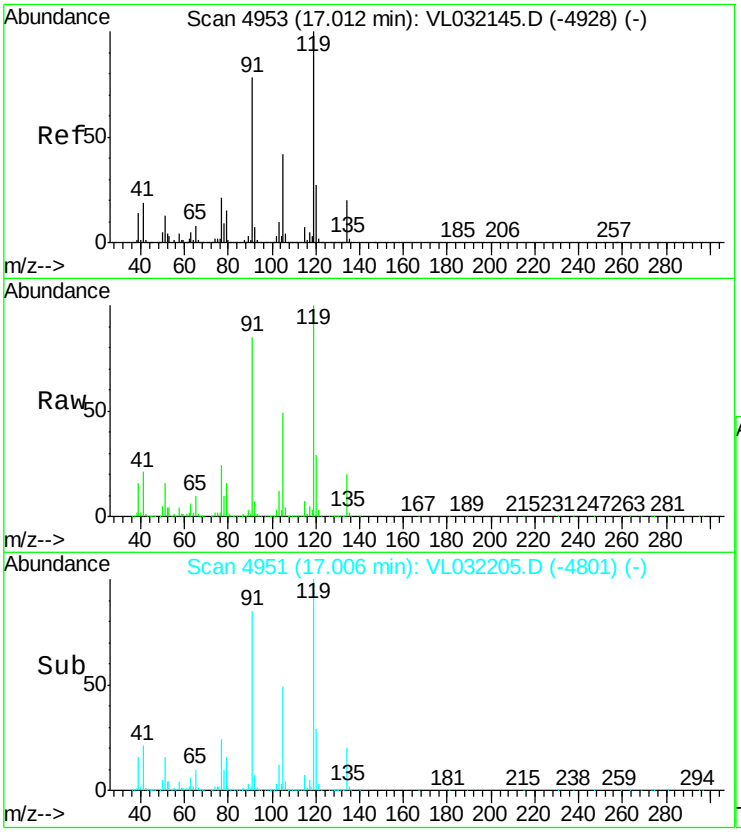


#64
n-propylbenzene
Concen: 6.836 ppbv
RT: 15.82 min Scan# 4583
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:120 Resp: 1765942

Ion	Ratio	Lower	Upper
120	100		
91	486.9	357.4	536.0



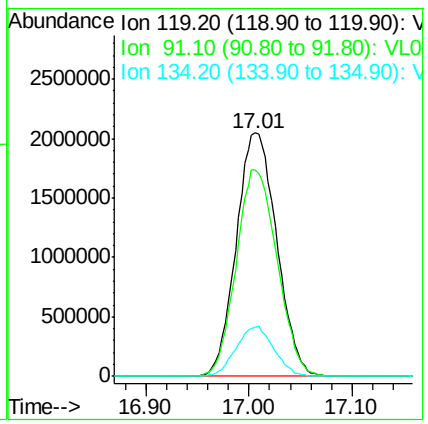


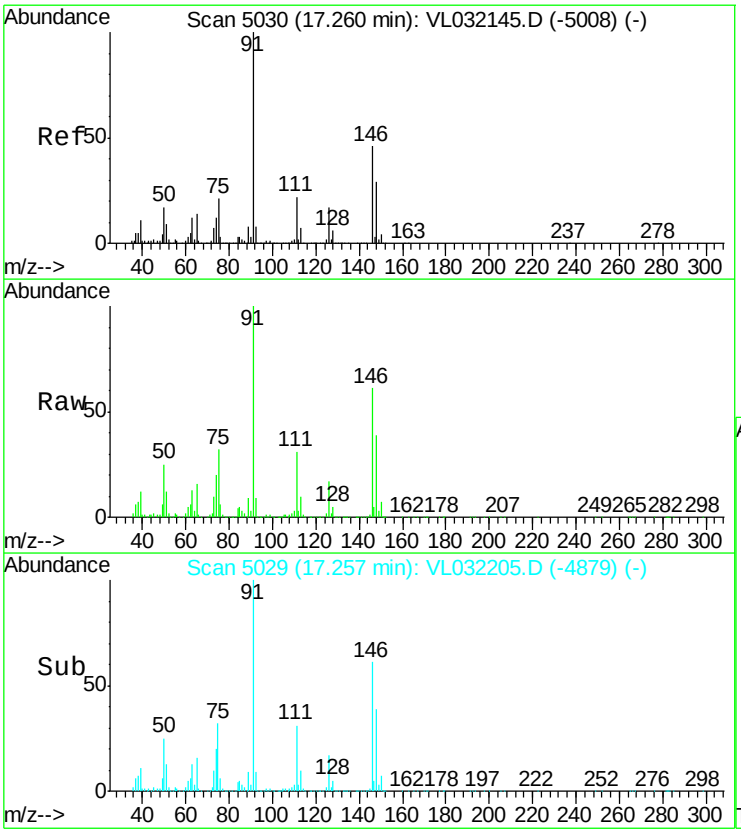
#65
tert-Butylbenzene
Concen: 6.351 ppbv
RT: 17.01 min Scan# 4951
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion:119 Resp: 5571008

Ion	Ratio	Lower	Upper
119	100		
91	86.1	62.2	93.2
134	19.2	16.2	24.2

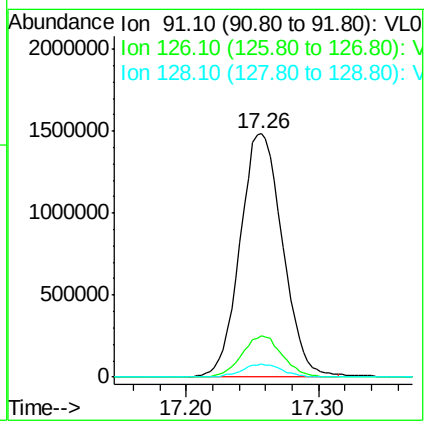


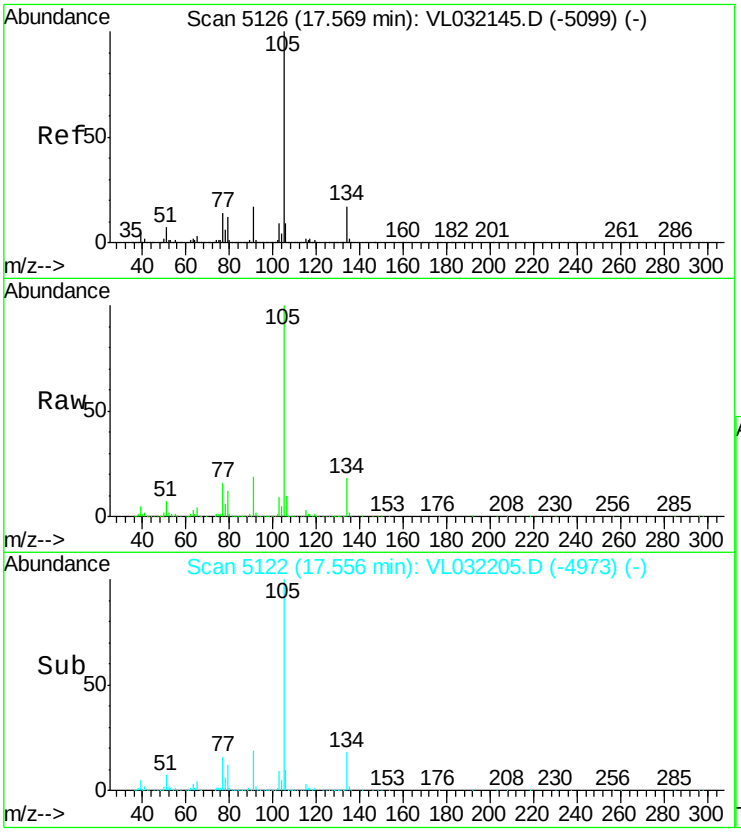


#66
Benzyl Chloride
Concen: 6.082 ppbv
RT: 17.26 min Scan# 5029
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 91 Resp: 3294163

Ion	Ratio	Lower	Upper
91	100		
126	16.5	15.7	23.5
128	5.1	5.2	7.8#



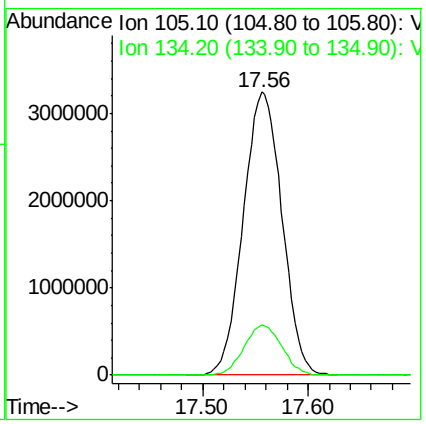


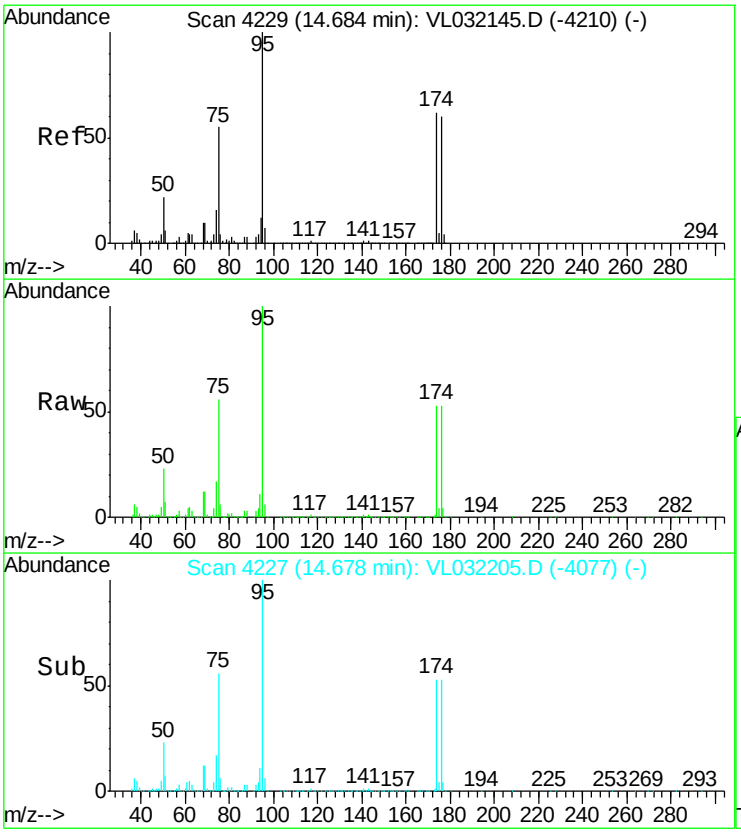
#67
sec-Butylbenzene
Concen: 6.443 ppbv
RT: 17.56 min Scan# 5122
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:105 Resp: 8274577

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.7	22.1

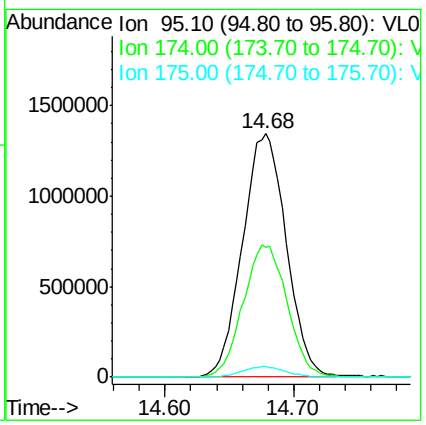


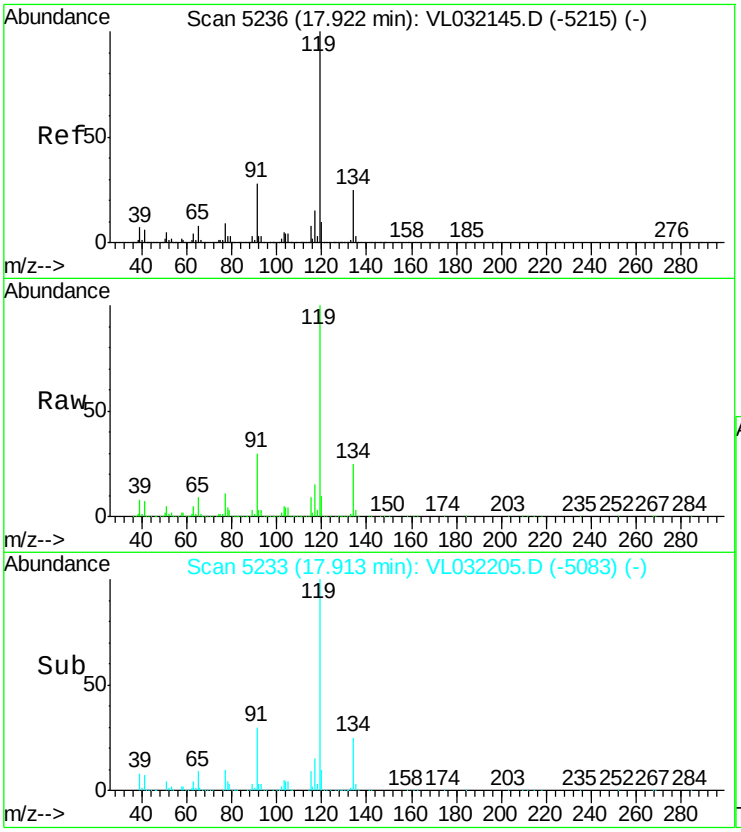


#68
1-Bromo-4-Fluorobenzene
Concen: 8.245 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 95 Resp: 3175346

Ion	Ratio	Lower	Upper
95	100		
174	55.0	52.1	78.1
175	4.2	4.0	6.0



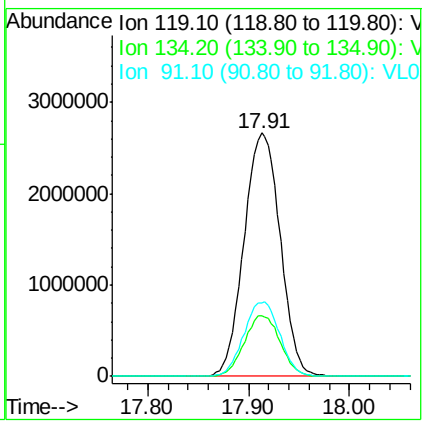


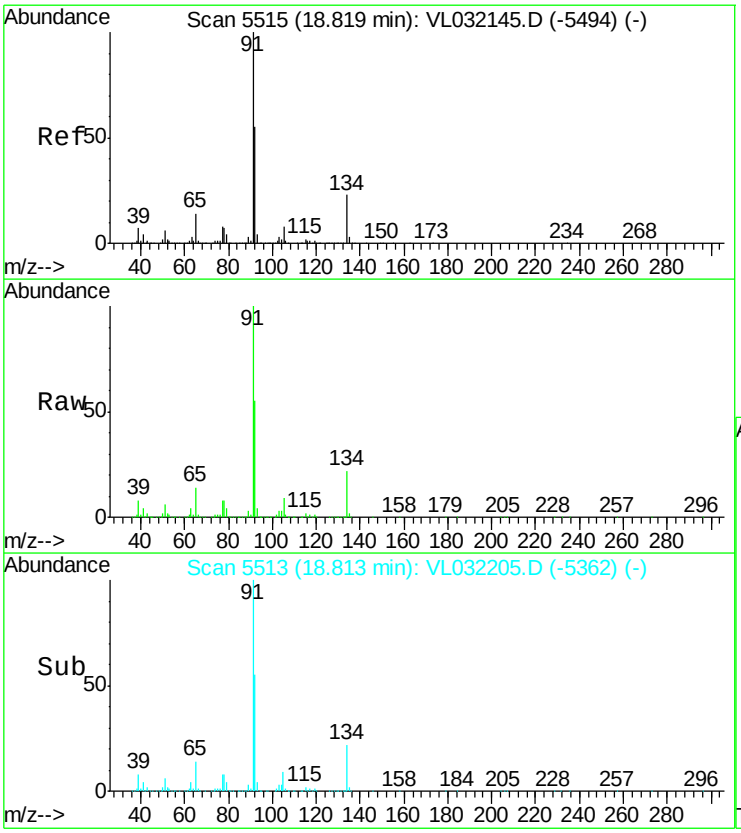
#69
p-Isopropyltoluene
Concen: 6.418 ppbv
RT: 17.91 min Scan# 5233
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion:119 Resp: 6611775

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.7	31.1
91	30.5	21.8	32.8

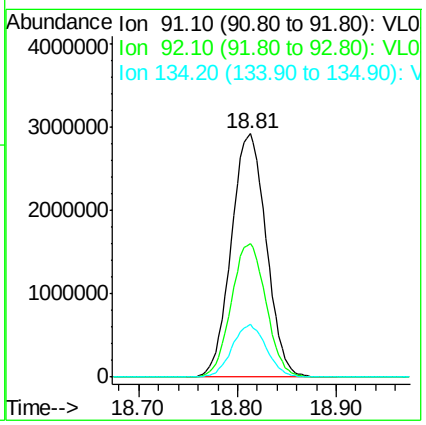


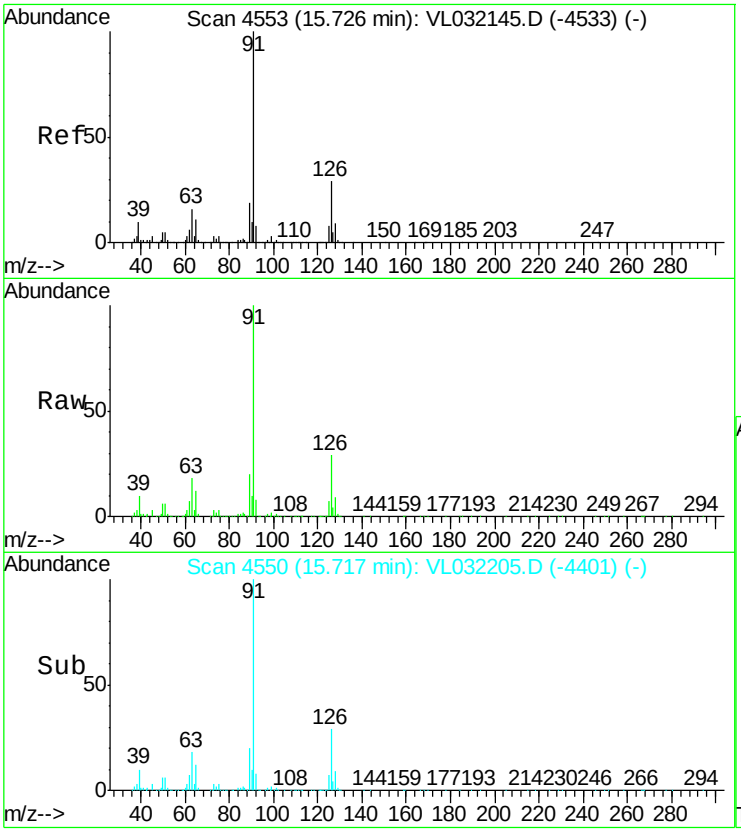


#70
n-Butylbenzene
Concen: 6.659 ppbv
RT: 18.81 min Scan# 5513
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion: 91 Resp: 7163390

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.7	65.5
134	21.1	18.9	28.3



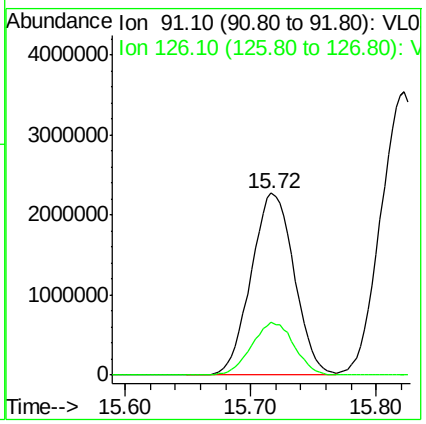


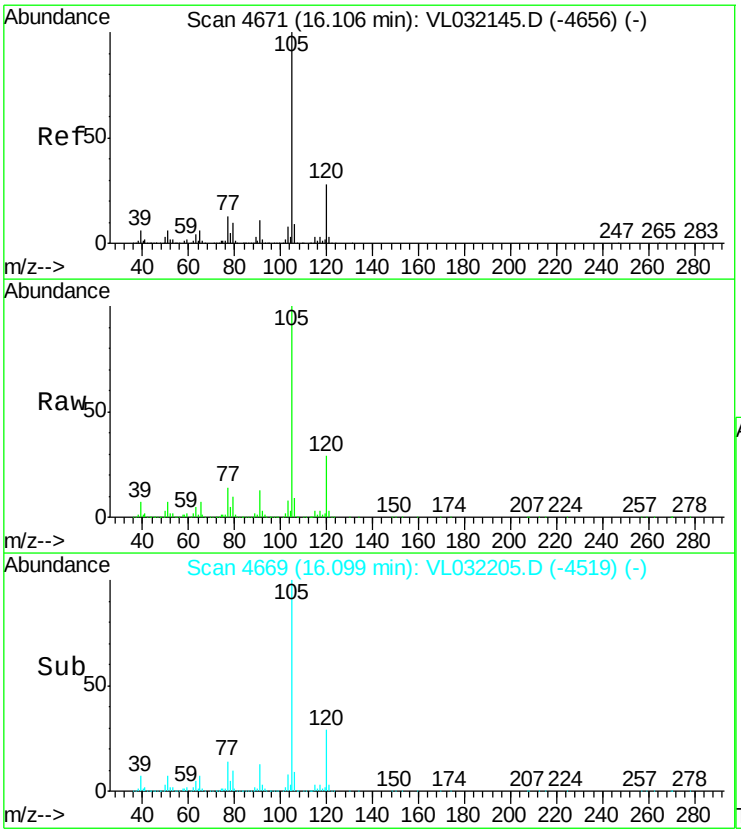
#71
2-Chlorotoluene
Concen: 7.070 ppbv
RT: 15.72 min Scan# 4550
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion: 91 Resp: 5434126

Ion	Ratio	Lower	Upper
91	100		
126	28.8	12.8	51.0

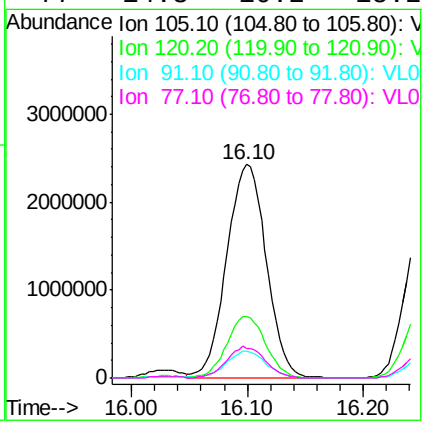


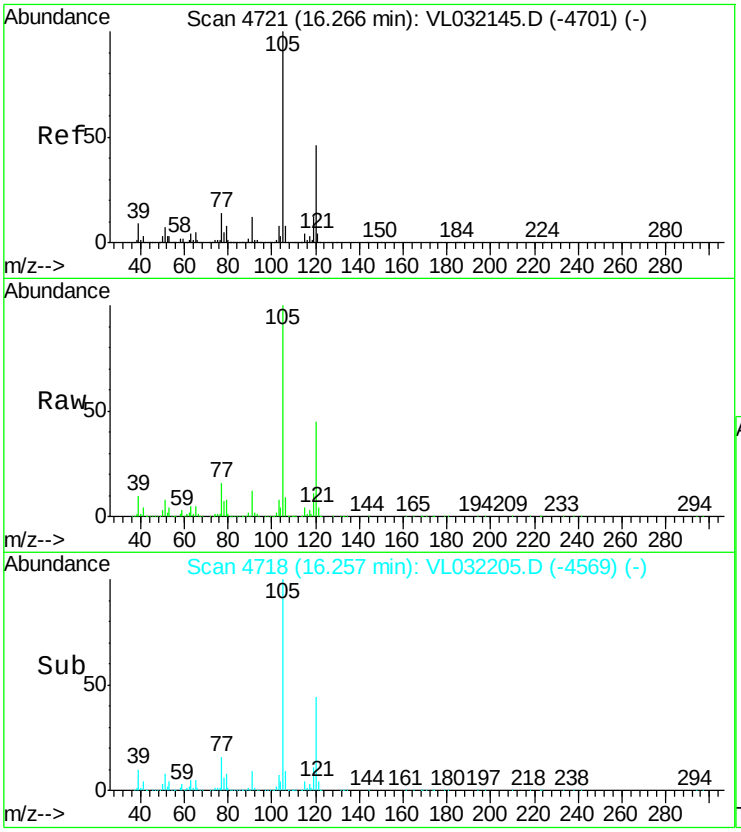


#72
4-Ethyltoluene
Concen: 6.857 ppbv
RT: 16.10 min Scan# 4669
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:105 Resp: 5748862

Ion	Ratio	Lower	Upper
105	100		
120	28.6	24.3	36.5
91	12.6	9.4	14.0
77	14.3	10.2	15.2



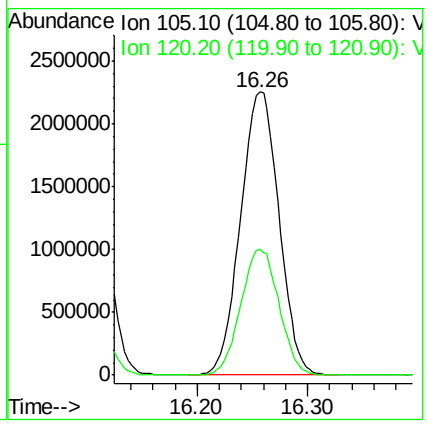


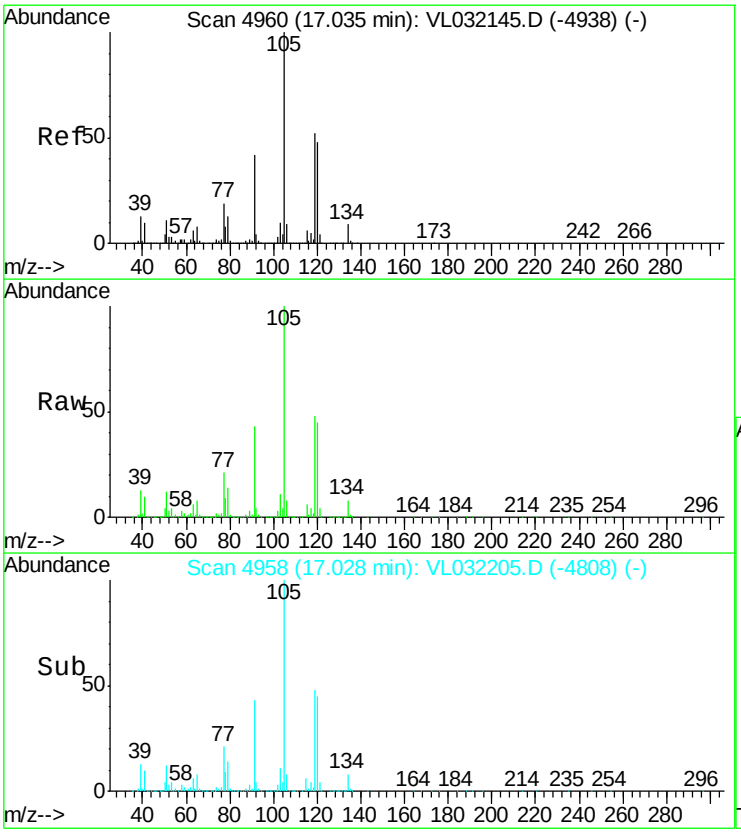
#73
1,3,5-Trimethylbenzene
Concen: 6.893 ppbv
RT: 16.26 min Scan# 4718
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:105 Resp: 5444031

Ion	Ratio	Lower	Upper
105	100		
120	44.7	38.6	57.8

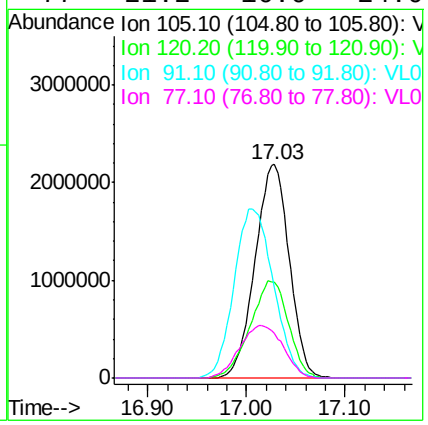


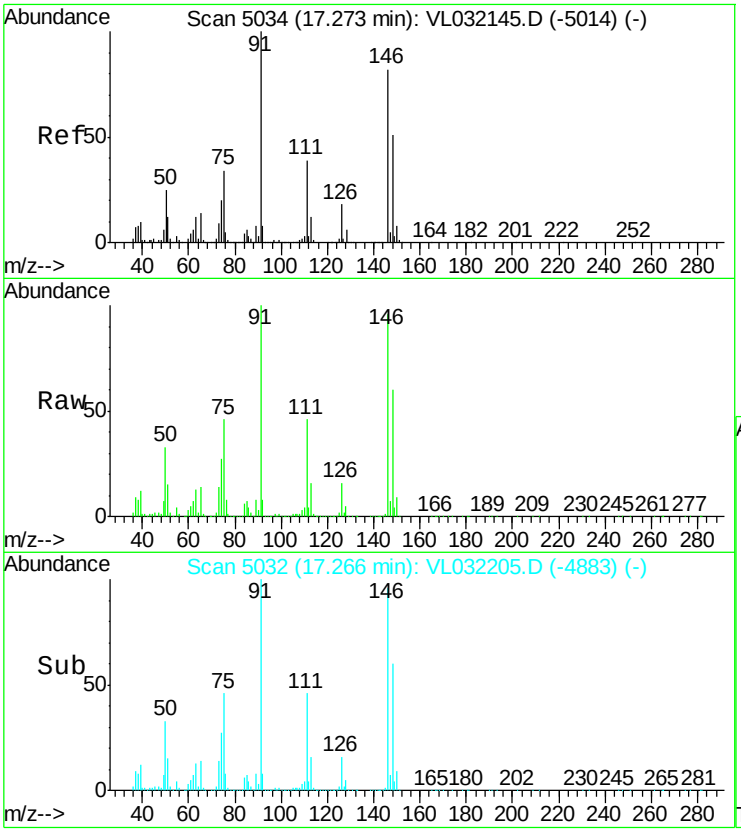


#74
1,2,4-Trimethylbenzene
Concen: 6.560 ppbv
RT: 17.03 min Scan# 4958
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:105 Resp: 5228322

Ion	Ratio	Lower	Upper
105	100		
120	44.8	38.8	58.2
91	42.7	33.6	50.4
77	21.2	16.0	24.0



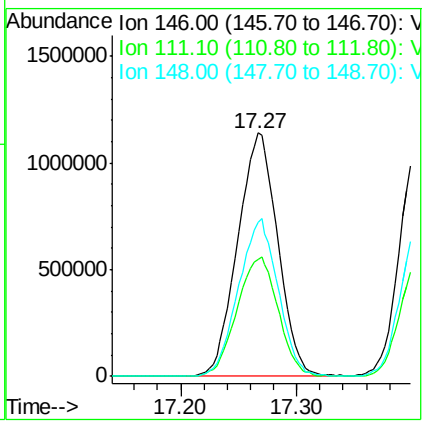


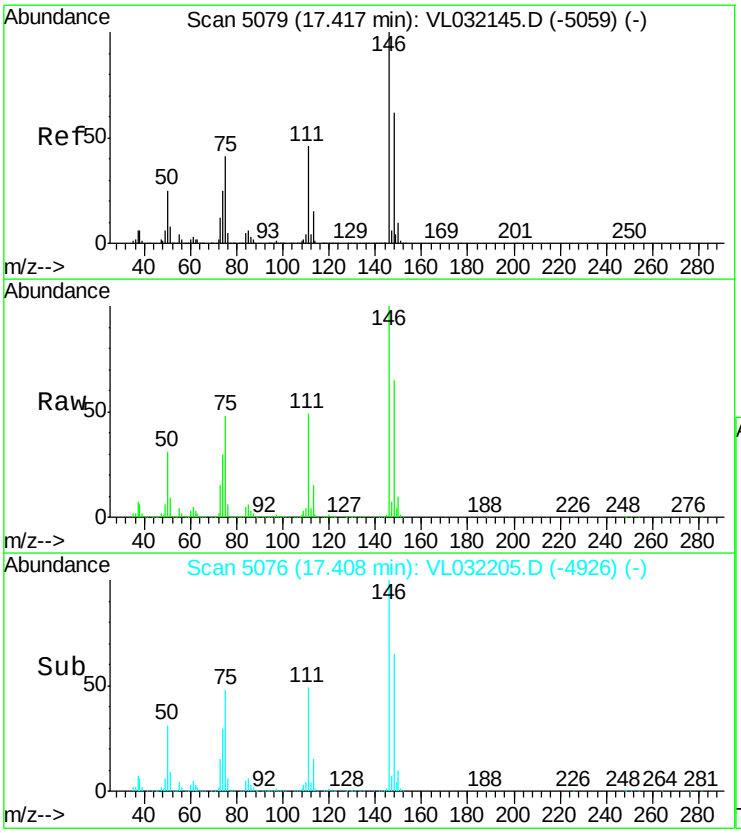
#75
1,3-Dichlorobenzene
Concen: 6.034 ppbv
RT: 17.27 min Scan# 5032
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:146 Resp: 2735795

Ion	Ratio	Lower	Upper
146	100		
111	50.4	22.9	68.8
148	64.0	31.7	95.1

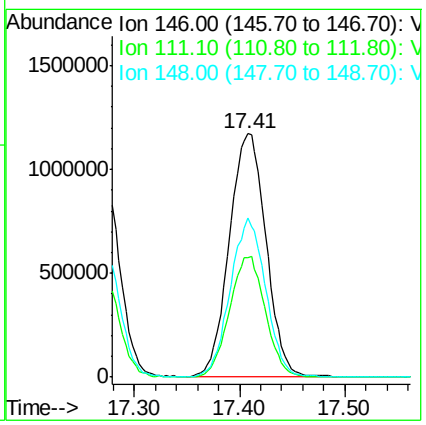


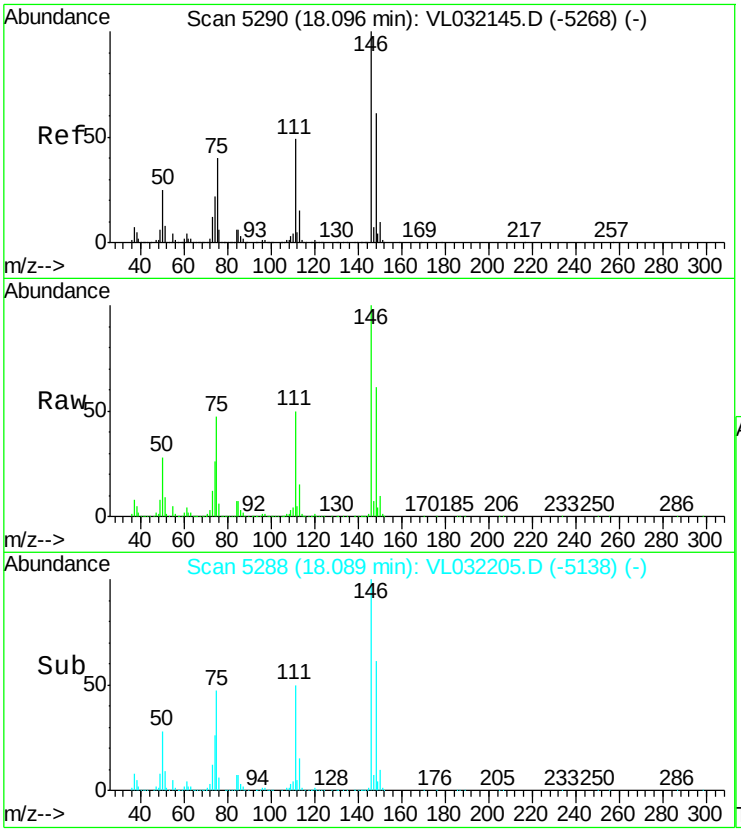


#76
1,4-Dichlorobenzene
Concen: 6.150 ppbv
RT: 17.41 min Scan# 5076
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:146 Resp: 2827258

Ion	Ratio	Lower	Upper
146	100		
111	48.6	21.9	65.8
148	63.3	32.1	96.5



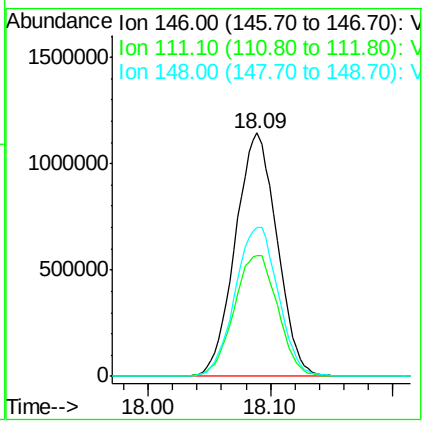


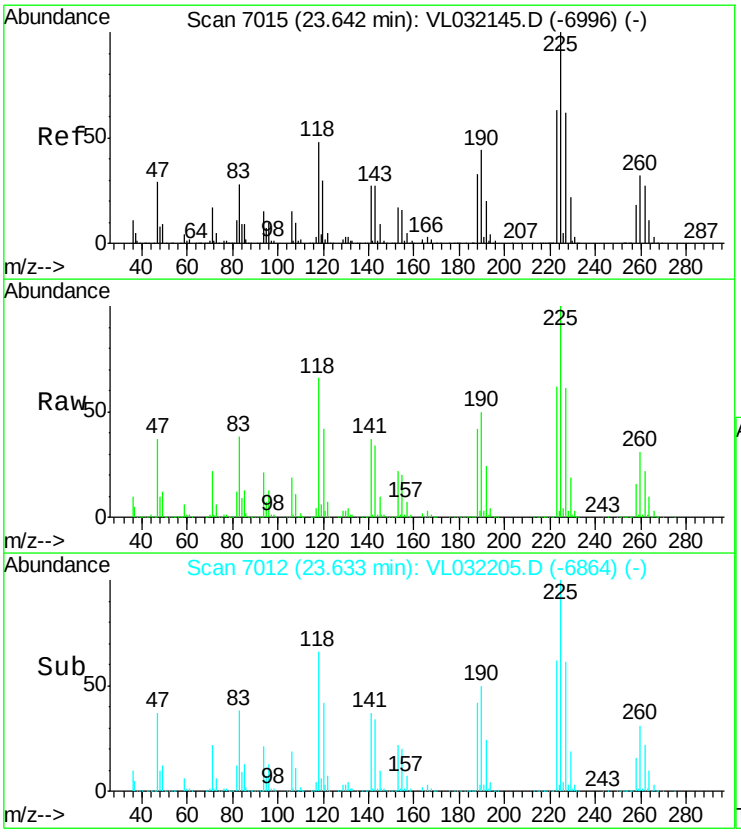
#77
1,2-Dichlorobenzene
Concen: 5.958 ppbv
RT: 18.09 min Scan# 5288
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:146 Resp: 2699349

Ion	Ratio	Lower	Upper
146	100		
111	52.3	23.4	70.3
148	63.9	32.0	96.0

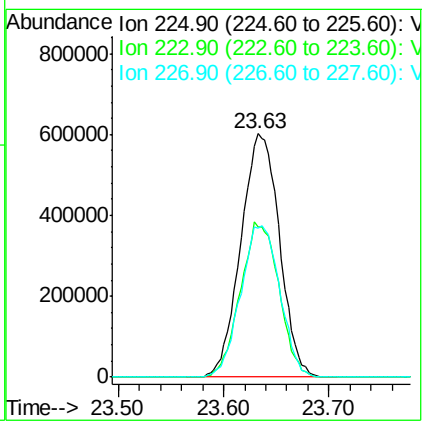


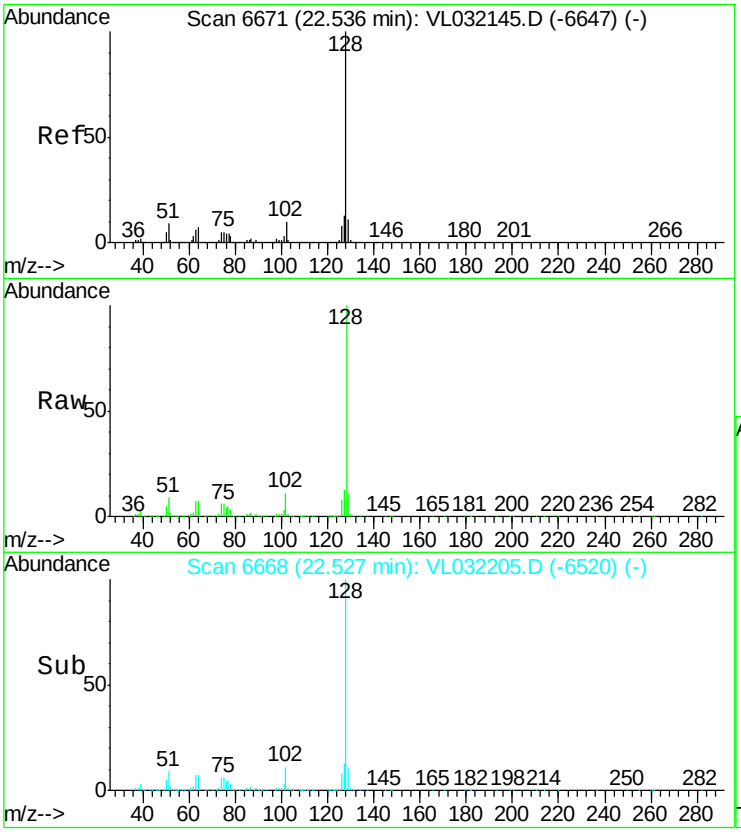


#78
Hexachloro-1,3-Butadiene
Concen: 9.725 ppbv
RT: 23.63 min Scan# 7012
Delta R.T. -0.03 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:225 Resp: 1534239

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.0	76.4
227	63.3	51.4	77.0



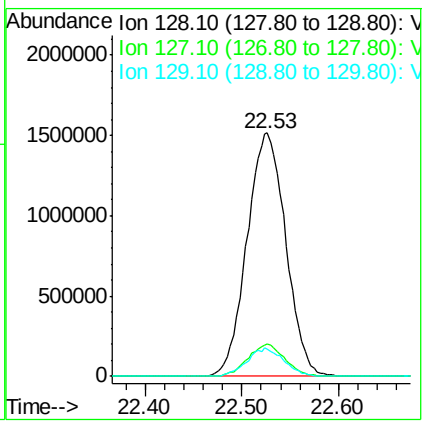


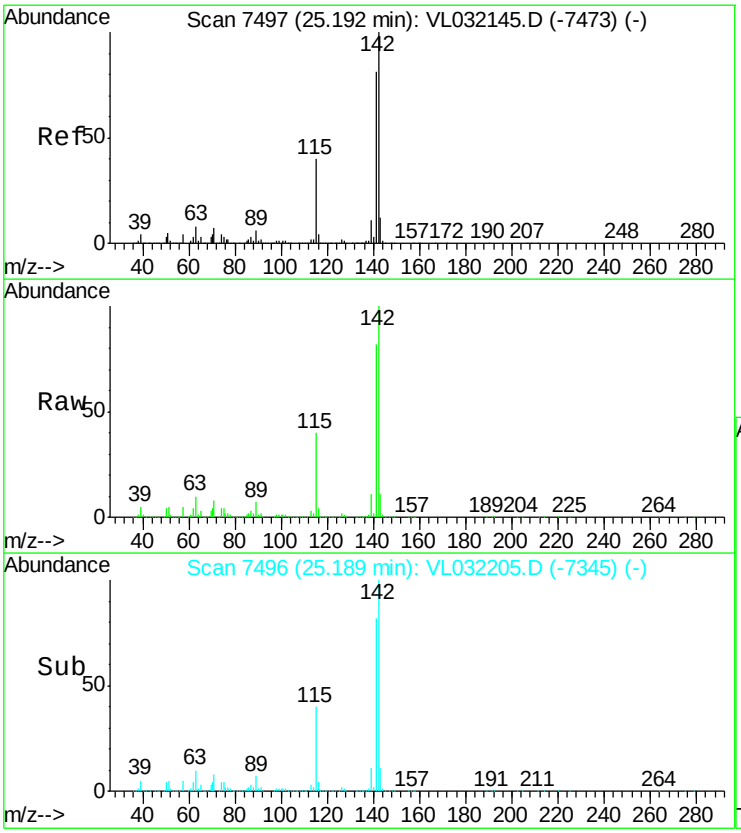
#79
Naphthalene
Concen: 5.823 ppbv
RT: 22.53 min Scan# 6668
Delta R.T. -0.03 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument : MSVOA_L
ClientSampleId : VL0705ABS01

Tgt Ion:128 Resp: 4218946

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	9.0	13.6

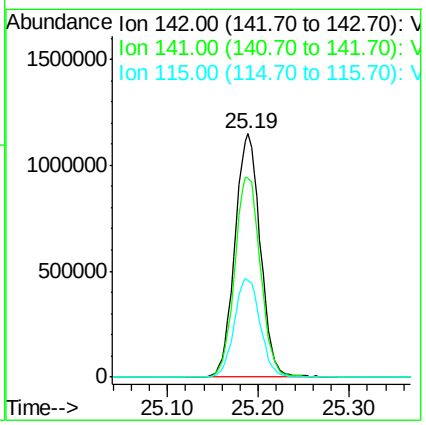


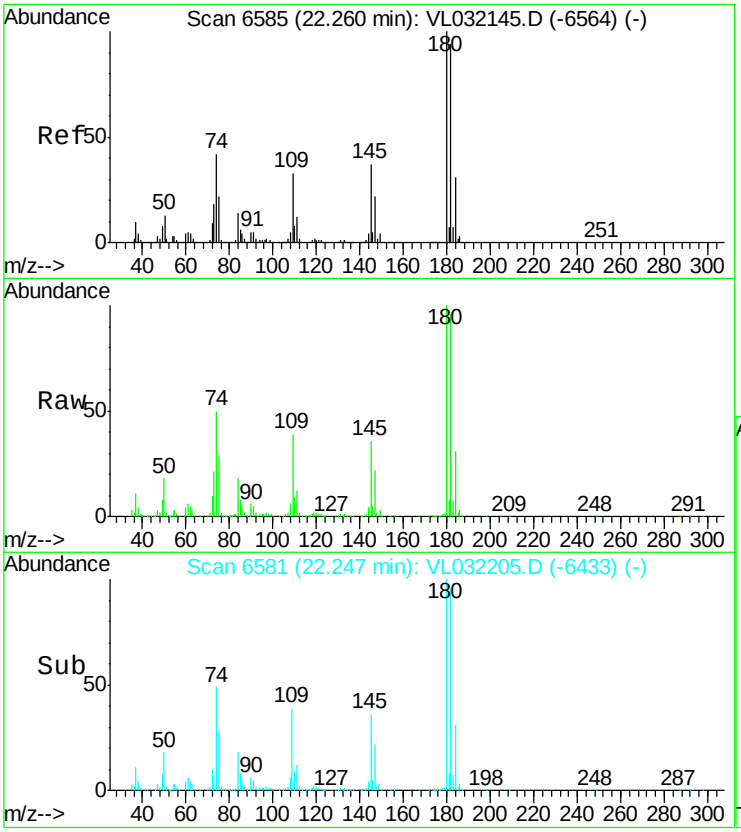


#80
Naphthalene,2-methyl-
Concen: 8.519 ppbv
RT: 25.19 min Scan# 7496
Delta R.T. -0.02 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Tgt Ion:142 Resp: 2227697

Ion	Ratio	Lower	Upper
142	100		
141	83.5	65.8	98.6
115	41.4	29.4	44.0





#81
1,2,4-Trichlorobenzene
Concen: 3.120 ppbv
RT: 22.25 min Scan# 6581
Delta R.T. -0.03 min
Lab File: VL032205.D
Acq: 5 Jul 2018 15:28

Instrument :
MSVOA_L
ClientSampleId :
VL0705ABS01

Tgt Ion:180 Resp: 1020817

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
184	0.0	24.4	36.6#