Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072718\
Data File : VL032312.D
Acq On : 27 Jul 2018 2:37
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 27 05:31:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 05:29:53 2018
QLast Update : Fri Jul 27 05:29:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	2115185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	5211039	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	5113852	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	4037882	9.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.12	85	169764	0.512	ppbv	94
3) Chlorodifluoromethane	3.06	51	110440	0.468	ppbv	99
4) Chloromethane	3.22	50	62882	0.450	ppbv	99
5) Vinyl Chloride	3.34	62	60510	0.458	ppbv	100
6) Bromomethane	3.57	94	32928	0.460	ppbv	97
7) Chloroethane	3.65	64	20834	0.446	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	139448	0.481	ppbv	98
9) Propene	3.08	41	42634	0.412	ppbv	97
10) Heptane	8.32	43	136439	0.411	ppbv	93
11) Trichlorofluoromethane	4.06	101	128805	0.464	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.62	101	85211	0.476	ppbv	97
13) Ethanol	3.71	45	9065	0.305	ppbv #	45
14) Bromoethene	3.85	108	22075	0.274	ppbv #	40
15) Acetone	3.97	43	104971	0.481	ppbv	99
16) 1,3-Butadiene	3.41	39	50186	0.450	ppbv	93
18) 1,1-Dichloroethene	4.41	96	37599	0.448	ppbv	95
19) Isopropyl Alcohol	4.10	45	68012	0.454	ppbv #	95
20) Methylene Chloride	4.47	84	45888	0.535	ppbv	92
21) Allyl Chloride	4.54	41	62518	0.427	ppbv	95
22) trans-1,2-Dichloroethene	5.03	96	36058	0.418	ppbv	89
23) Vinyl Acetate	5.22	43	173689	0.440	ppbv	98
24) 1,1-Dichloroethane	5.16	63	131974	0.462	ppbv	98
25) Ethyl Acetate	5.85	43	224750	0.468	ppbv	99
26) Hexane	5.85	57	98445	0.447	ppbv	94
27) Carbon Disulfide	4.68	76	82292	0.421	ppbv #	85
28) Methyl tert-Butyl Ether	5.19	73	117629	0.365	ppbv	96
29) Chloroform	5.92	83	79740	0.247	ppbv	96
30) Cyclohexane	7.33	84	76986	0.420	ppbv	88
31) cis-1,2-Dichloroethene	5.70	61	48746	0.230	ppbv	95
32) 1,1,1-Trichloroethane	6.69	97	131253	0.402	ppbv	96
34) 2-Butanone	5.41	43	126309	0.350	ppbv	97
35) Carbon Tetrachloride	7.21	117	128813	0.361	ppbv	92
36) Benzene	7.08	78	180399	0.350	ppbv	95
37) 1,2-Dichloroethane	6.48	62	114508	0.381	ppbv	100
38) Trichloroethene	8.04	130	77884	0.447	ppbv	87
39) 1,2-Dichloropropane	7.81	63	96991	0.456	ppbv	91
41) Tetrahydrofuran	6.24	42	68025	0.327	ppbv	97
42) Bromodichloromethane	7.99	83	174227	0.438	ppbv	94
43) Methyl Methacrylate	8.22	69	46843	0.222	ppbv #	1
44) 2,2,4-Trimethylpentane	8.07	57	396227	0.434	ppbv	95
45) t-1,3-Dichloropropene	9.49	75	80911	0.316	ppbv	93

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072718\
Data File : VL032312.D
Acq On : 27 Jul 2018 2:37
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 27 05:31:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 05:29:53 2018
QLast Update : Fri Jul 27 05:29:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.92	75	106892	0.336	ppbv	#	87
47) 1,1,2-Trichloroethane	9.69	97	66610	0.301	ppbv		93
48) Dibromochloromethane	10.54	129	72503	0.223	ppbv	#	30
49) Bromoform	13.29	173	104381	0.368	ppbv		97
50) 4-Methyl-2-Pentanone	8.97	43	221681	0.373	ppbv		95
51) 2-Hexanone	10.38	43	69824	0.149	ppbv	#	29
52) Tetrachloroethene	11.45	164	65189	0.367	ppbv		92
53) Toluene	10.03	91	197163	0.316	ppbv		99
54) 1,2-Dibromoethane	10.84	107	128922	0.393	ppbv		87
56) 1,1,1,2-Tetrachloroethane	12.36	131	64458	0.284	ppbv	#	1
57) Chlorobenzene	12.39	112	213493	0.510	ppbv		94
58) Ethyl Benzene	12.95	91	266769	0.376	ppbv		99
59) m/p-Xylene	13.23	91	224118	0.366	ppbv	#	22
60) o-Xylene	13.94	91	245587	0.403	ppbv		99
61) Styrene	13.77	104	145732	0.325	ppbv		96
62) Isopropylbenzene	14.91	105	352705	0.409	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.92	83	228984	0.440	ppbv		96
64) n-propylbenzene	15.81	120	50999	0.230	ppbv		81
65) tert-Butylbenzene	16.99	119	152055	0.207	ppbv	#	12
66) Benzyl Chloride	17.24	91	89545	0.217	ppbv	#	78
67) sec-Butylbenzene	17.54	105	450502	0.410	ppbv		99
69) p-Isopropyltoluene	17.90	119	325418	0.382	ppbv		96
70) n-Butylbenzene	18.80	91	395875	0.416	ppbv		95
71) 2-Chlorotoluene	15.70	91	141715	0.206	ppbv	#	54
72) 4-Ethyltoluene	16.08	105	248938	0.359	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.25	105	105190	0.155	ppbv		98
74) 1,2,4-Trimethylbenzene	17.01	105	303347	0.425	ppbv		97
75) 1,3-Dichlorobenzene	17.26	146	83521	0.210	ppbv	#	23
76) 1,4-Dichlorobenzene	17.39	146	169786	0.431	ppbv		96
77) 1,2-Dichlorobenzene	18.08	146	177561	0.461	ppbv		99
78) Hexachloro-1,3-Butadiene	23.62	225	44193	0.349	ppbv	#	53
79) Naphthalene	22.52	128	106860	0.177	ppbv		95
80) Naphthalene,2-methyl-	25.18	142	49194	0.191	ppbv		96
81) 1,2,4-Trichlorobenzene	22.23	180	21099	0.071	ppbv	#	1

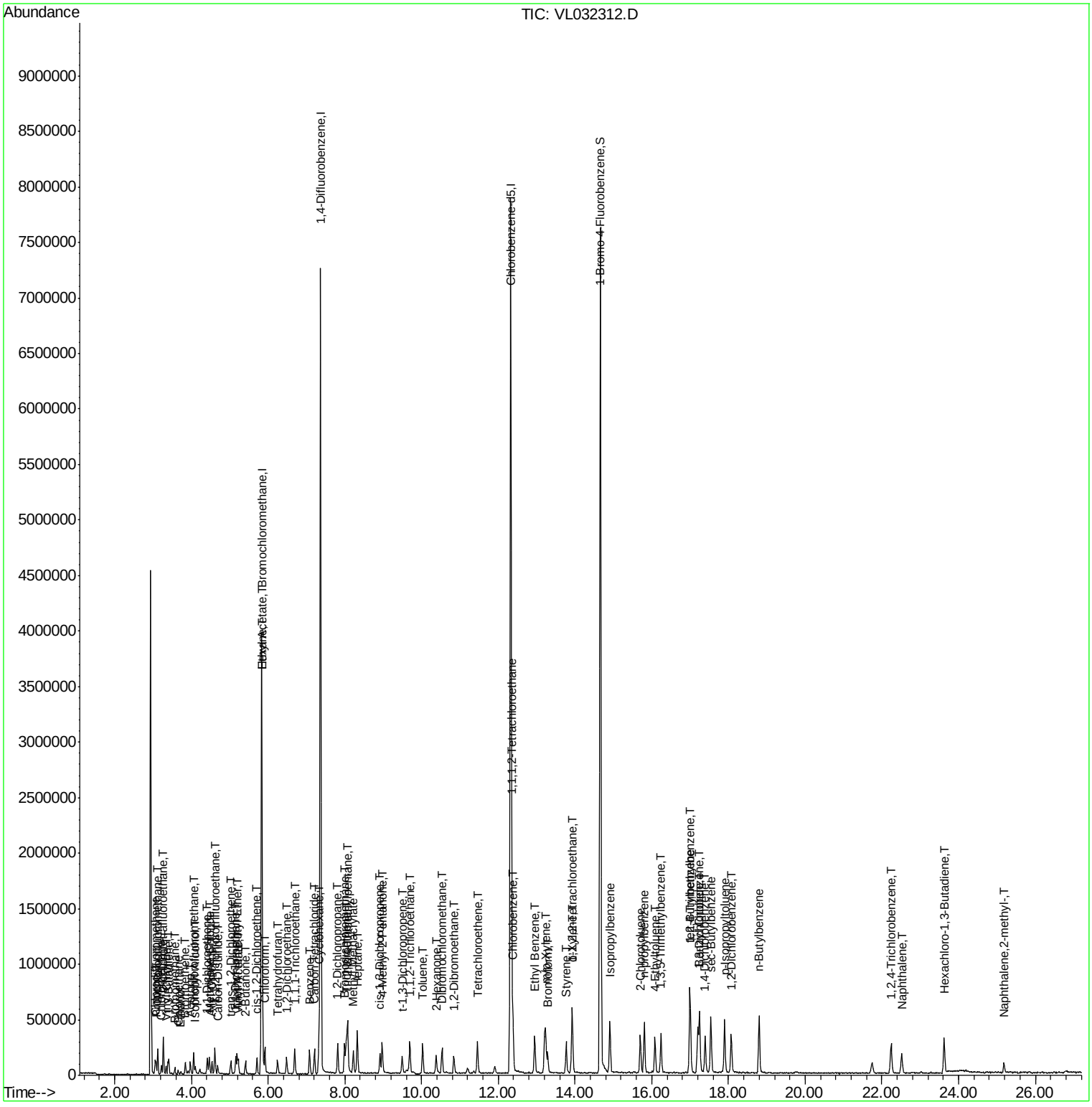
(#) = qualifier out of range (m) = manual integration (+) = signals summed

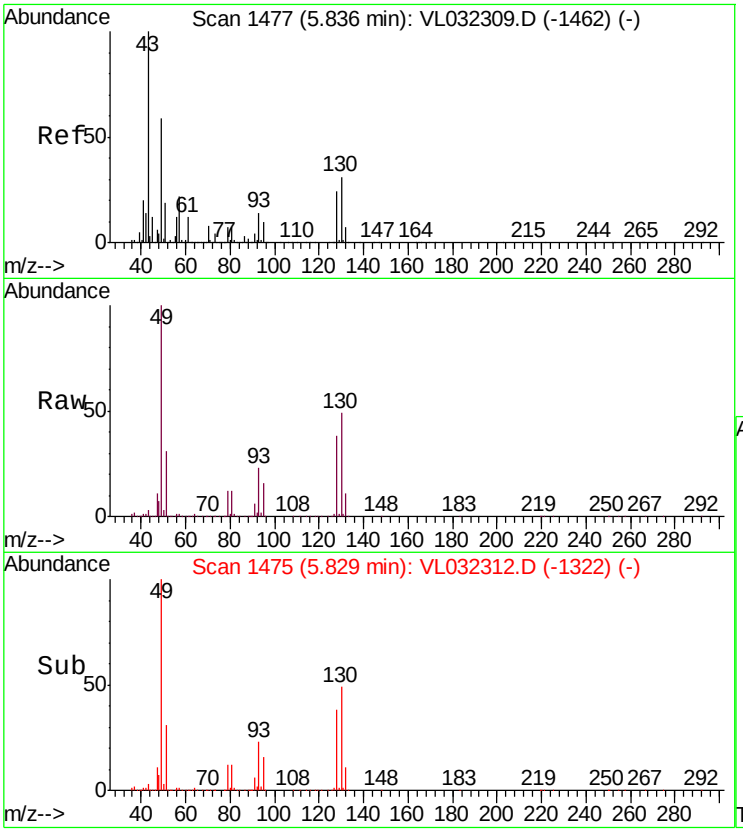
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072718\
Data File : VL032312.D
Acq On : 27 Jul 2018 2:37
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 27 05:31:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 05:29:53 2018
QLast Update : Fri Jul 27 05:29:53 2018
Response via : Initial Calibration



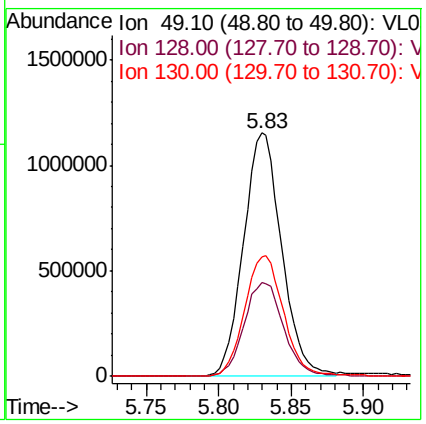


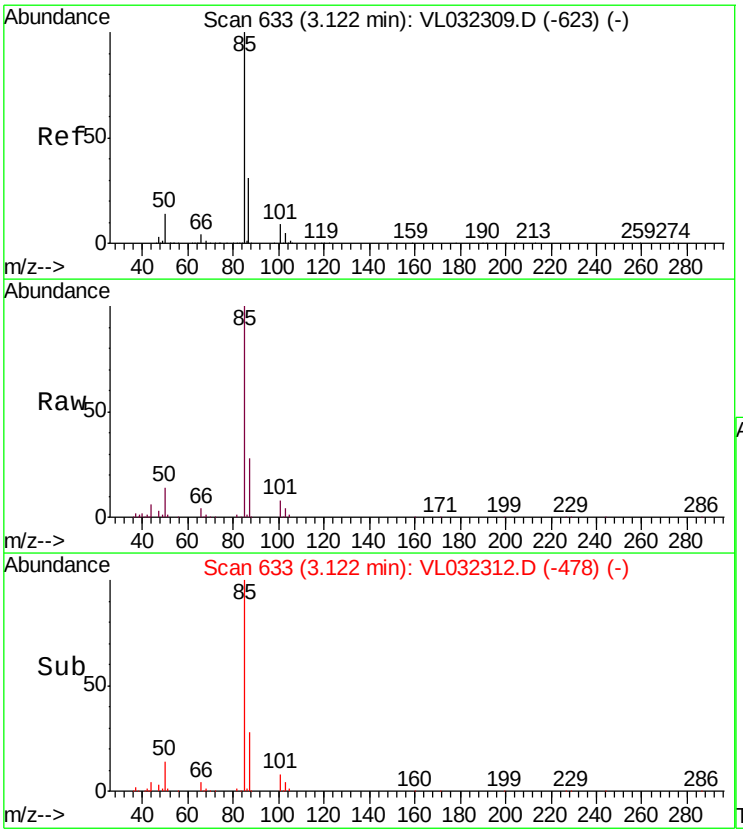
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 2115185

Ion	Ratio	Lower	Upper
49	100		
128	40.3	20.2	60.6
130	50.9	25.8	77.3

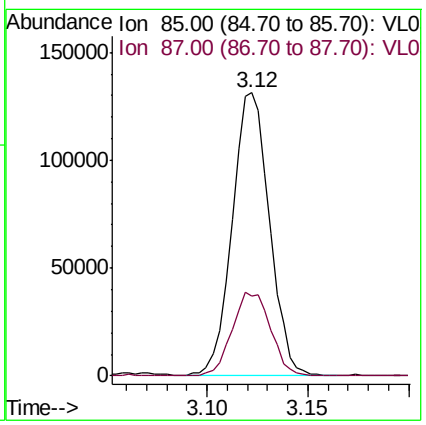


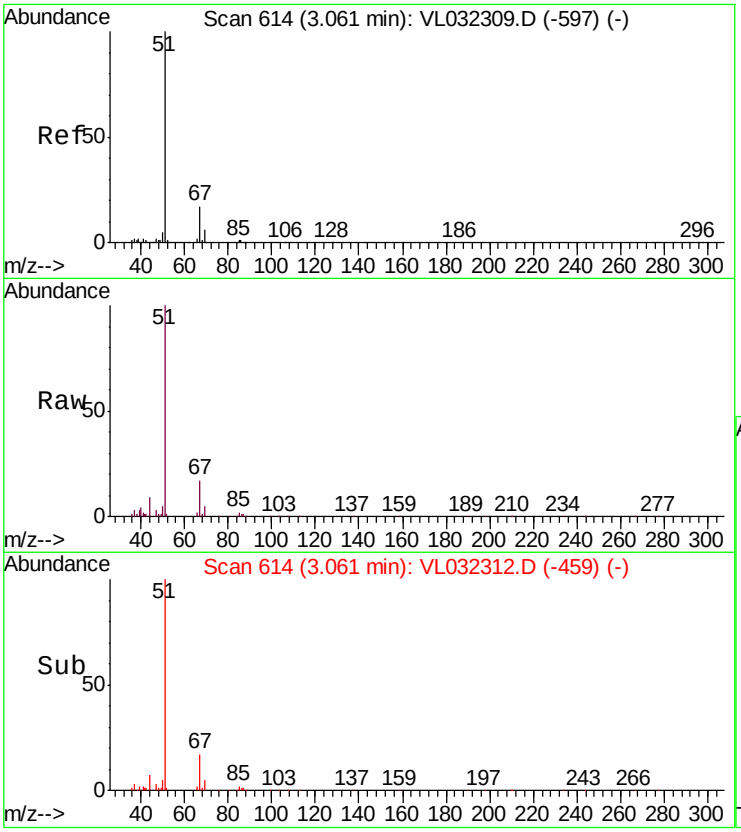


#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 3.12 min Scan# 633
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 85 Resp: 169764

Ion	Ratio	Lower	Upper
85	100		
87	28.3	25.2	37.8



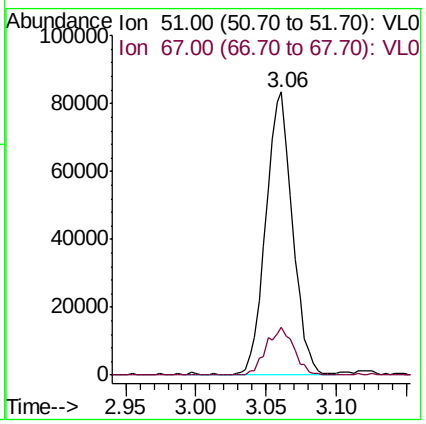


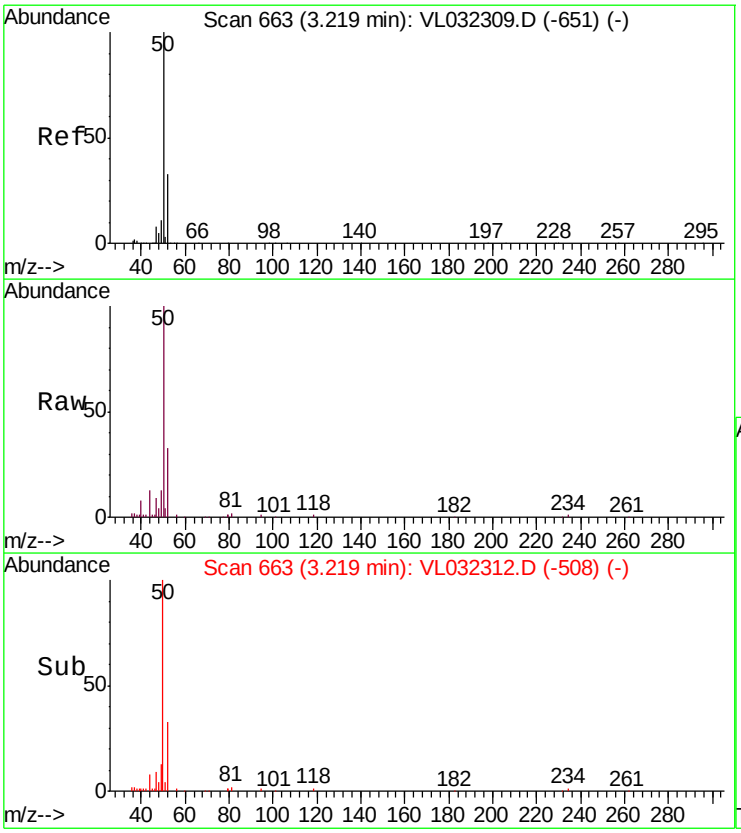
#3
Chlorodifluoromethane
Concen: 0.468 ppbv
RT: 3.06 min Scan# 614
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 110440

Ion	Ratio	Lower	Upper
51	100		
67	17.2	13.5	20.3

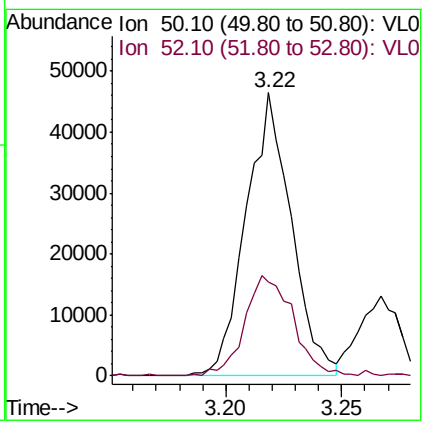


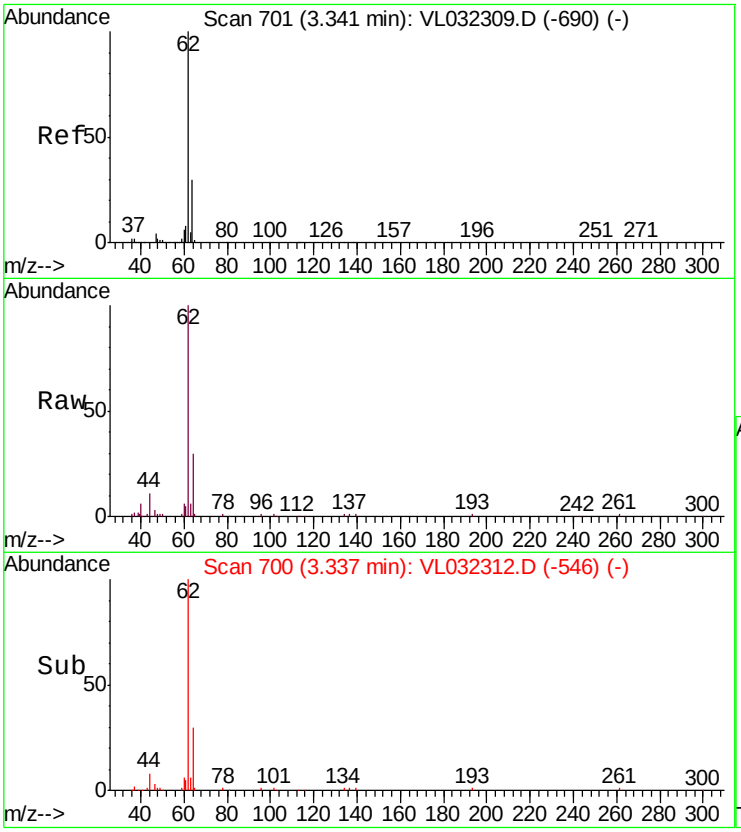


#4
Chloromethane
Concen: 0.450 ppbv
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 50 Resp: 62882

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.2	39.4



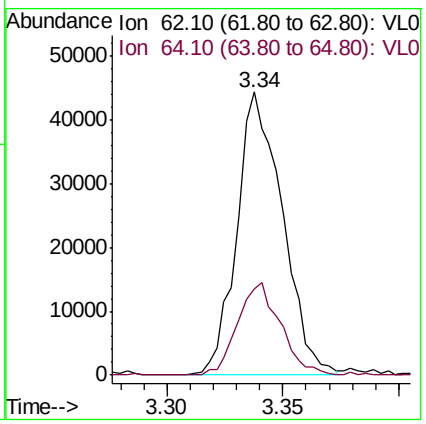


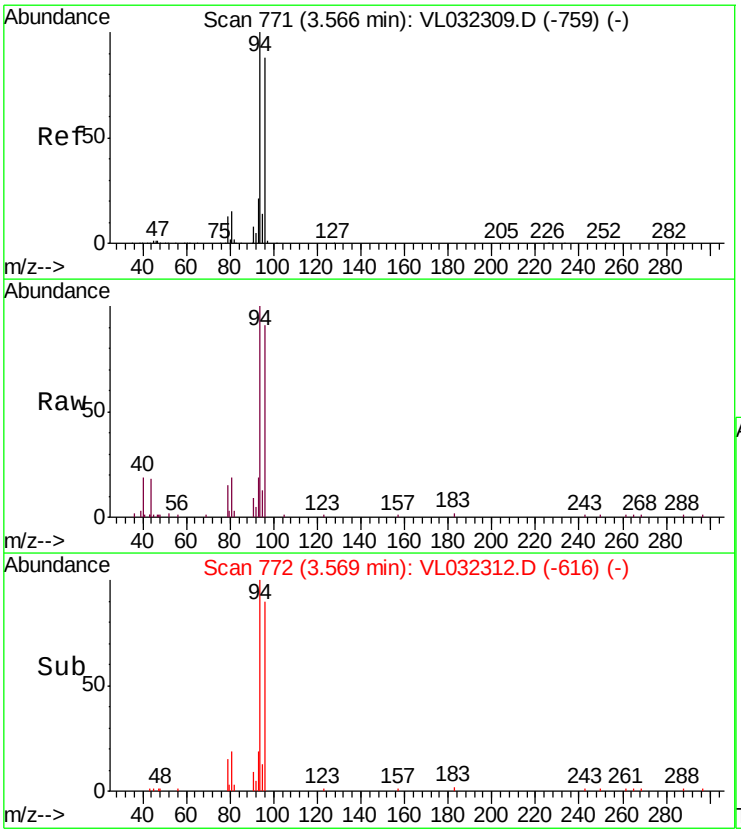
#5
Vinyl Chloride
Concen: 0.458 ppbv
RT: 3.34 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 60510

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.1	36.1

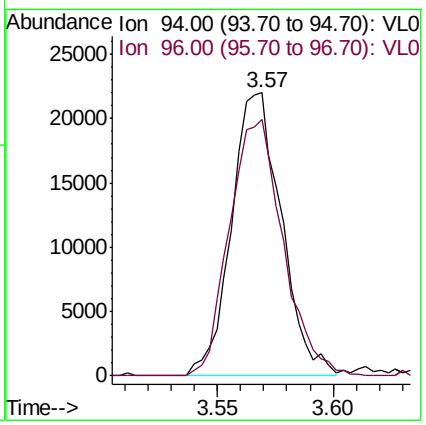


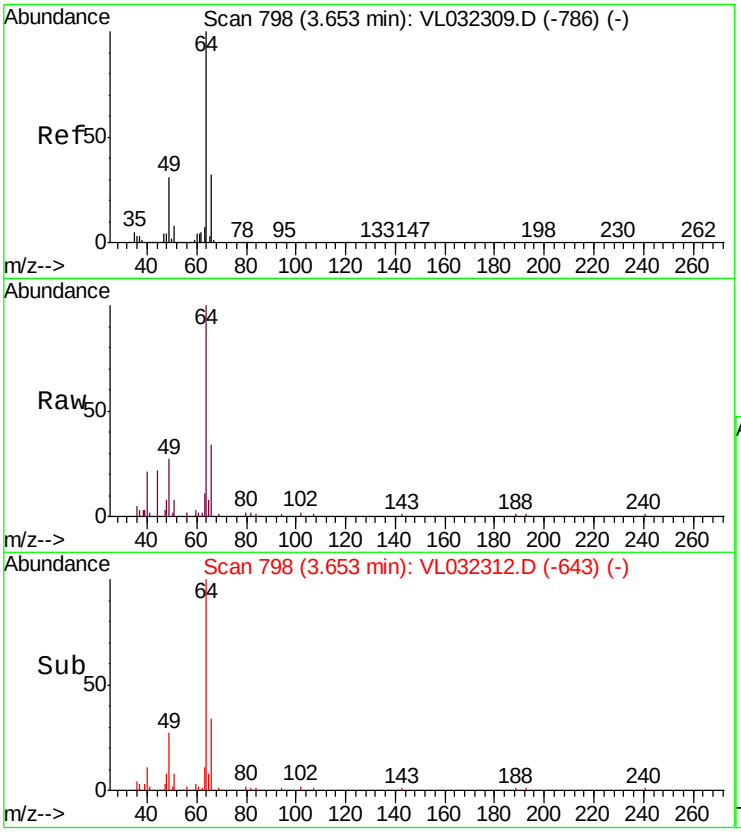


#6
Bromomethane
Concen: 0.460 ppbv
RT: 3.57 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 94 Resp: 32928

Ion	Ratio	Lower	Upper
94	100		
96	90.6	70.2	105.4



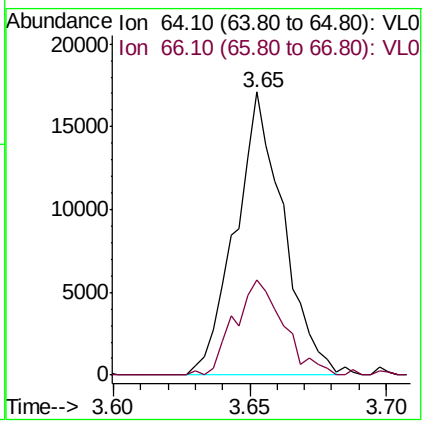


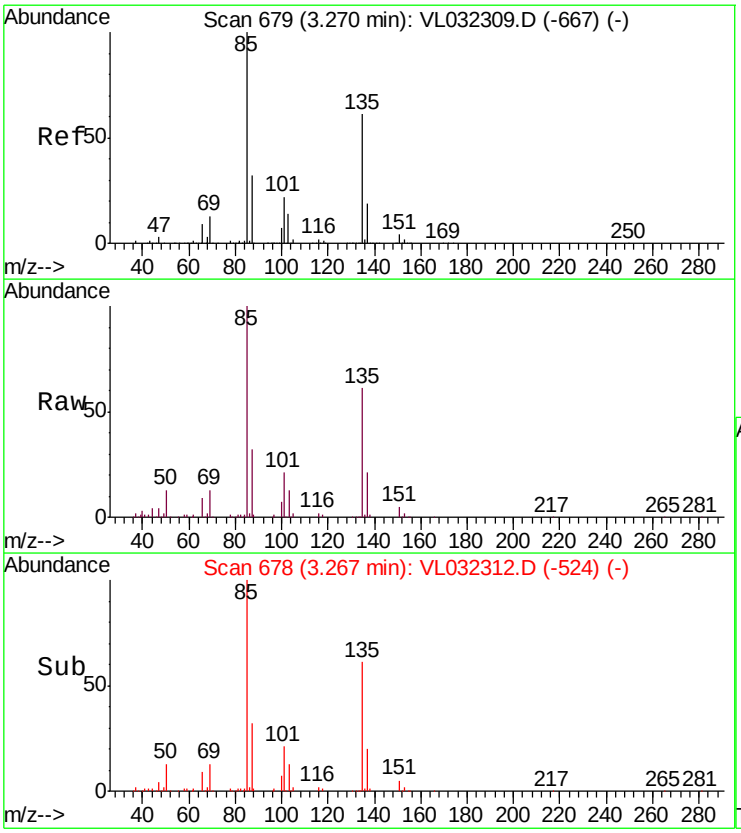
#7
Chloroethane
Concen: 0.446 ppbv
RT: 3.65 min Scan# 798
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 64 Resp: 20834

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.7	38.5

Instrument :
MSVOA_L
ClientSampleId :

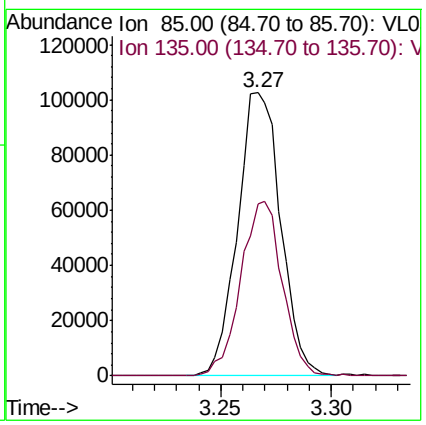


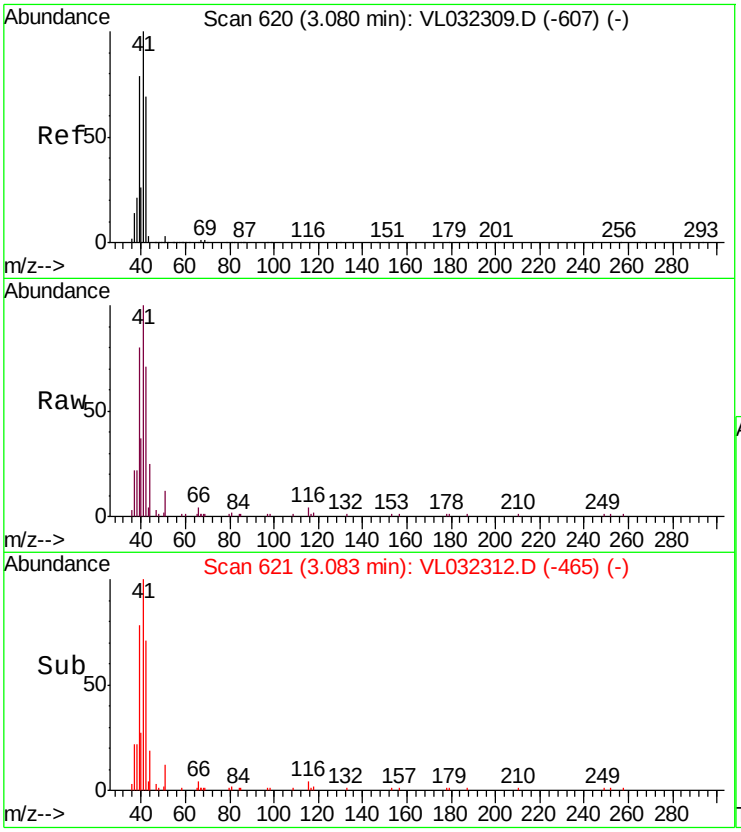


#8
Dichlorotetrafluoroethane
Concen: 0.481 ppbv
RT: 3.27 min Scan# 678
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 85 Resp: 139448

Ion	Ratio	Lower	Upper
85	100		
135	59.3	48.7	73.1



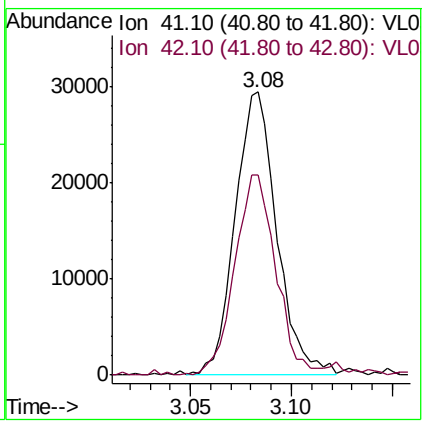


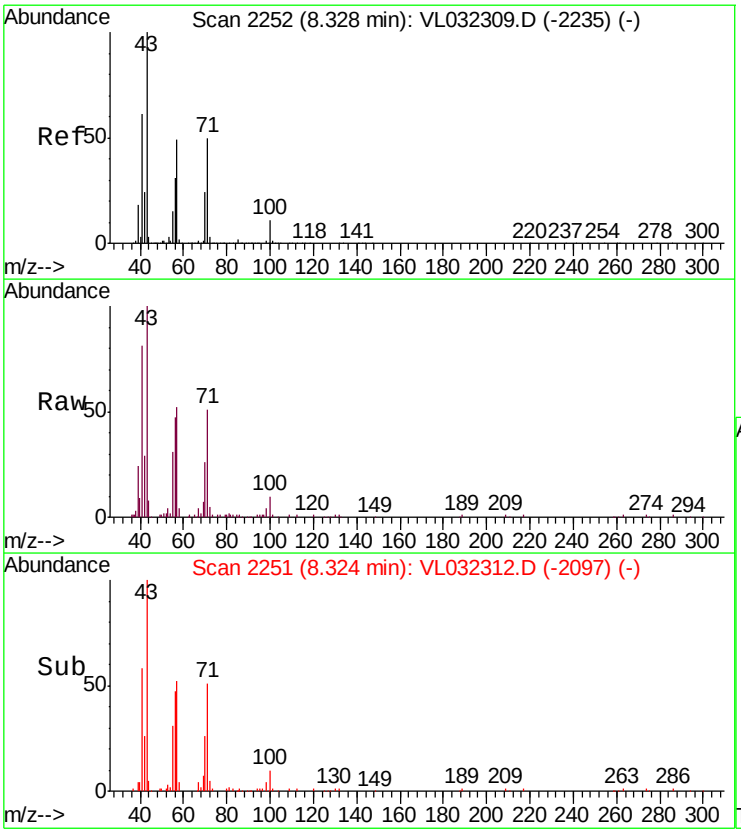
#9
Propene
Concen: 0.412 ppbv
RT: 3.08 min Scan# 621
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 42634

Ion	Ratio	Lower	Upper
41	100		
42	73.2	56.8	85.2

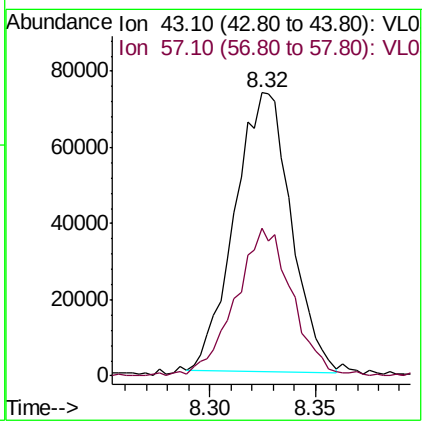


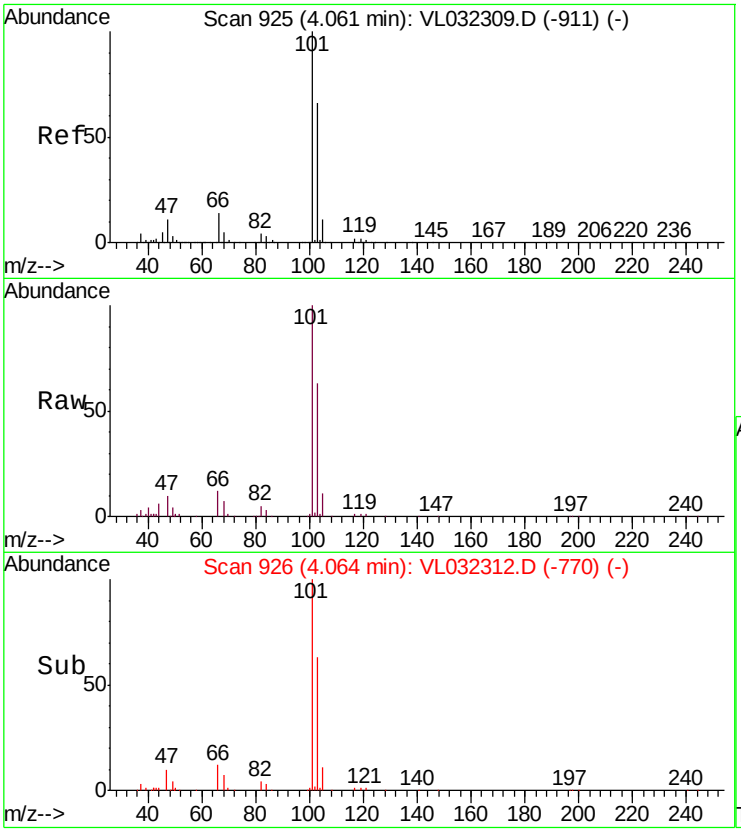


#10
Heptane
Concen: 0.411 ppbv
RT: 8.32 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 43 Resp: 136439

Ion	Ratio	Lower	Upper
43	100		
57	53.7	39.0	58.4



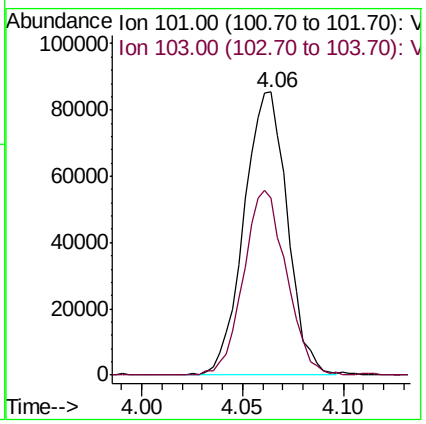


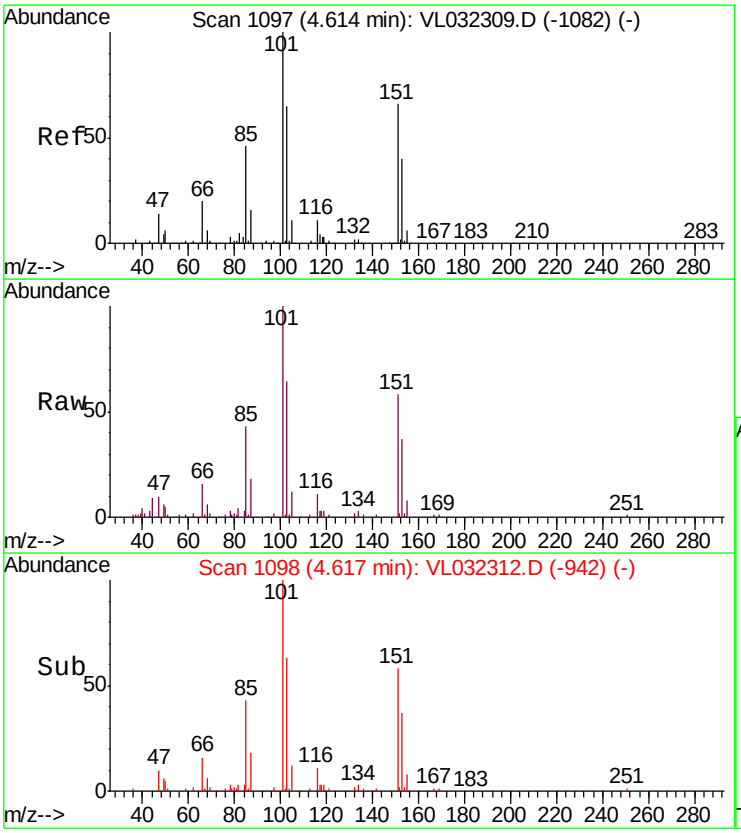
#11
Trichlorofluoromethane
Concen: 0.464 ppbv
RT: 4.06 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 128805

Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.6	78.8

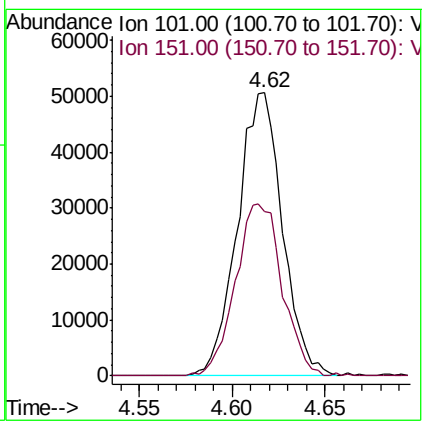


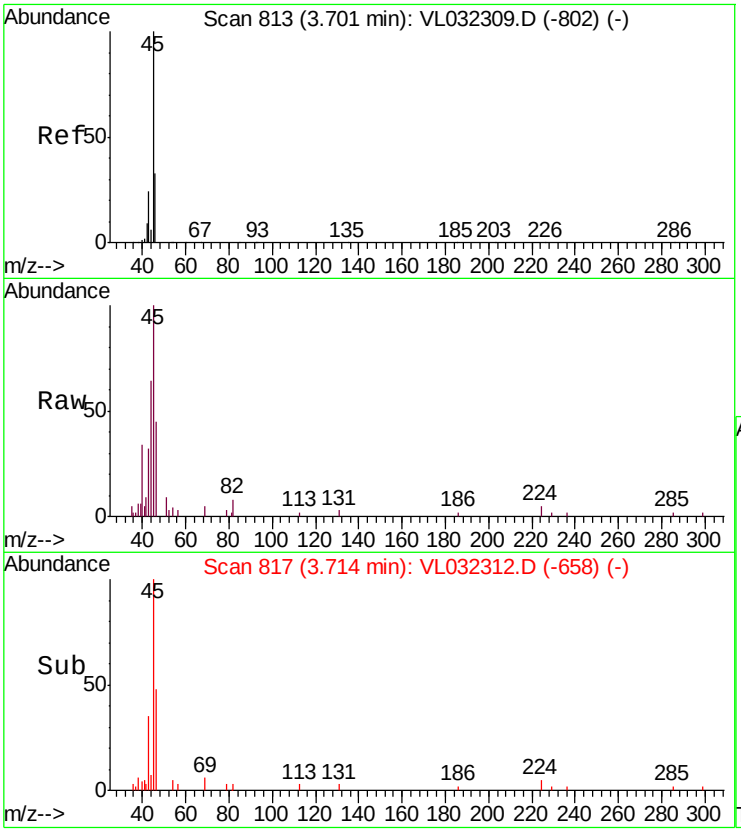


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.476 ppbv
RT: 4.62 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:101 Resp: 85211

Ion	Ratio	Lower	Upper
101	100		
151	63.3	52.4	78.6



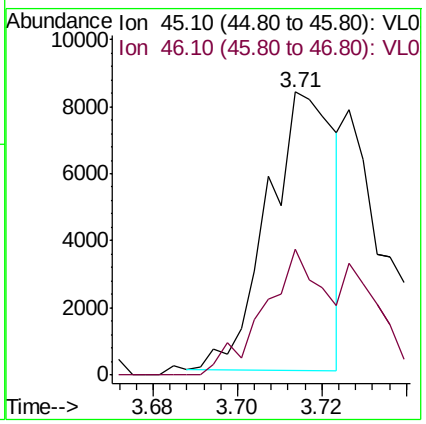


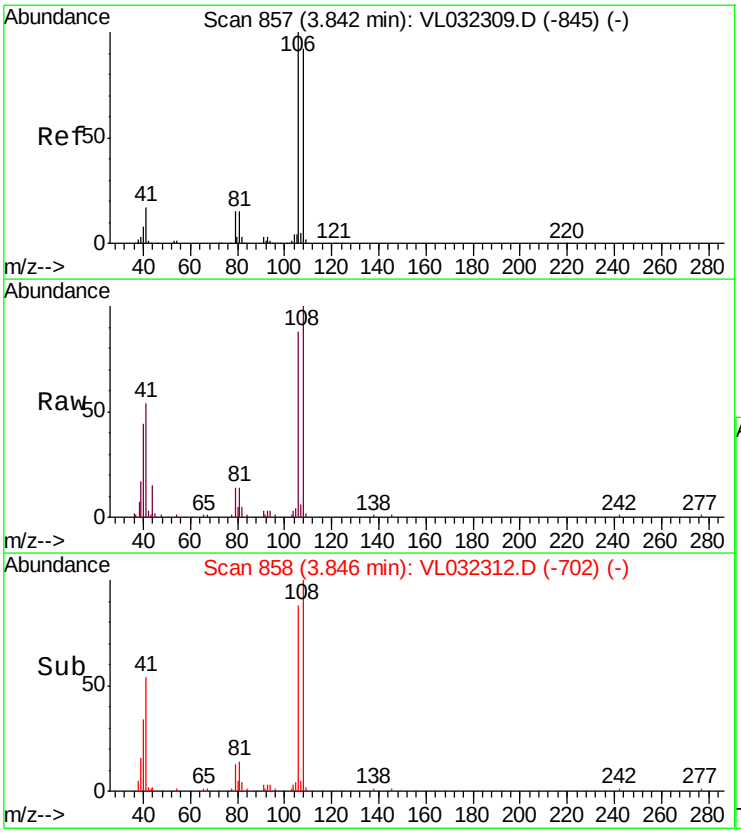
#13
Ethanol
Concen: 0.305 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 9065

Ion	Ratio	Lower	Upper
45	100		
46	71.1	15.2	60.6#

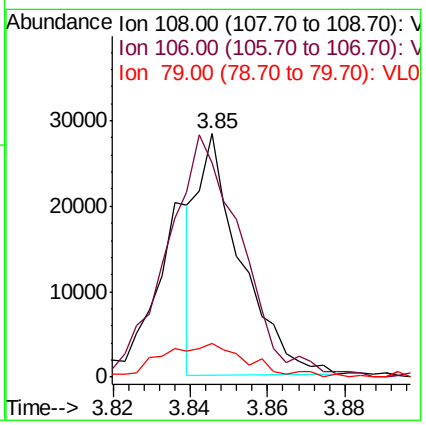


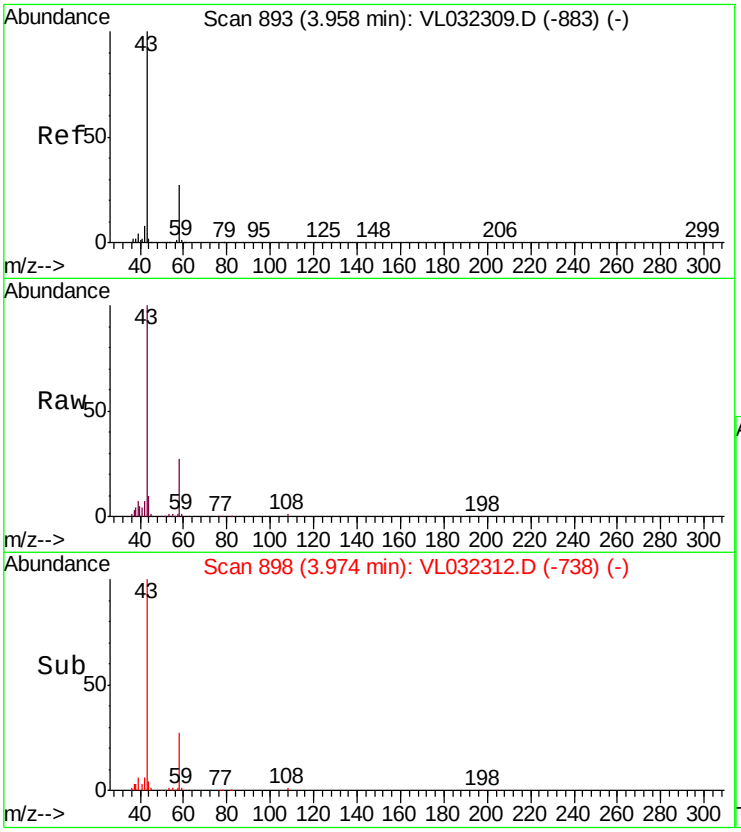


#14
Bromoethene
Concen: 0.274 ppbv
RT: 3.85 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:108 Resp: 22075

Ion	Ratio	Lower	Upper
108	100		
106	173.9	86.0	129.0#
79	30.7	12.8	19.2#

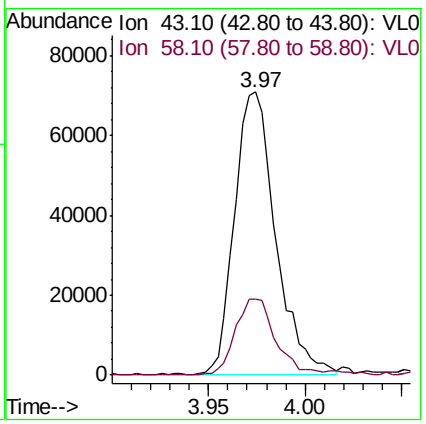




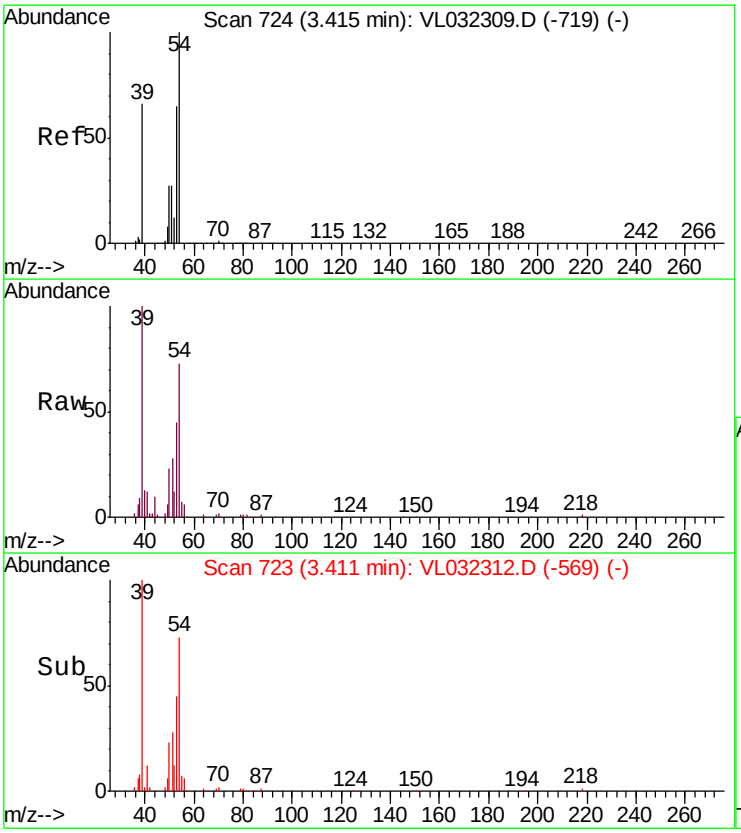
#15
Acetone
Concen: 0.481 ppbv
RT: 3.97 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 43 Resp: 104971

Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.5	33.7



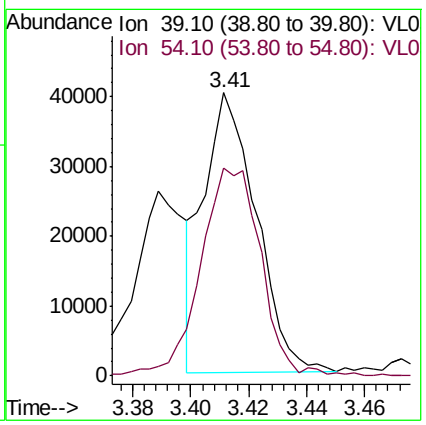
Instrument :
MSVOA_L
ClientSampleId :

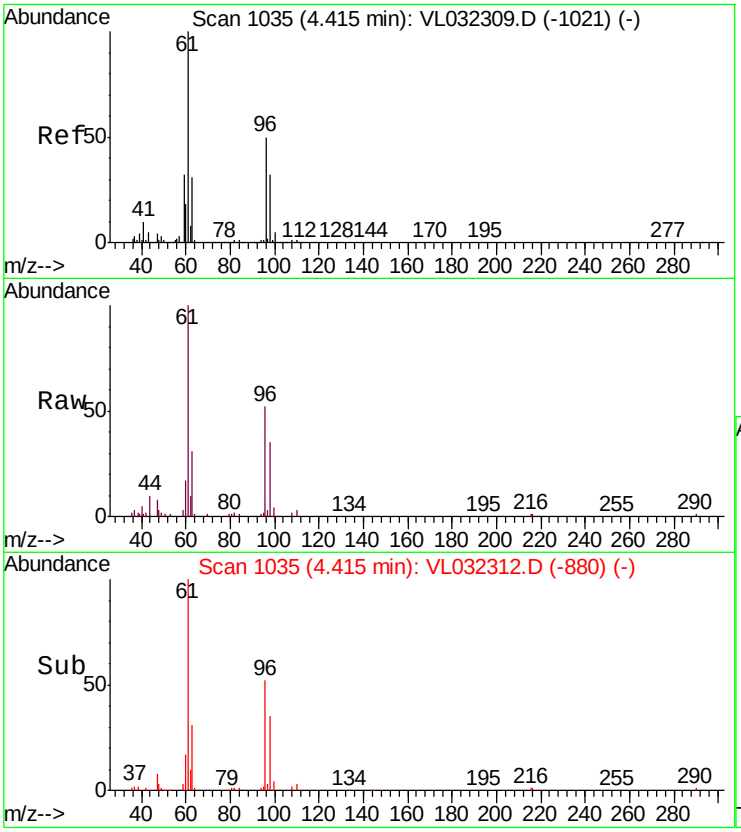


#16
1,3-Butadiene
Concen: 0.450 ppbv
RT: 3.41 min Scan# 723
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 39 Resp: 50186

Ion	Ratio	Lower	Upper
39	100		
54	85.9	74.3	111.5



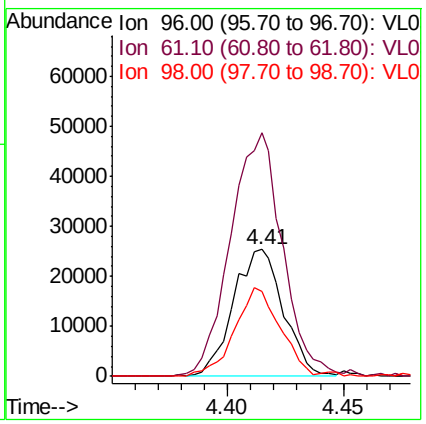


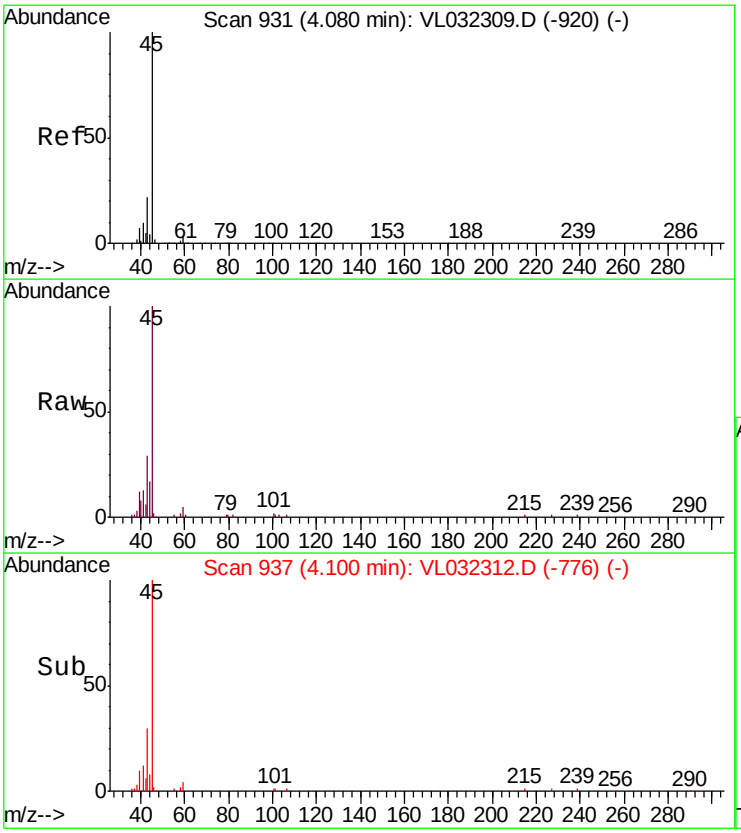
#18
1,1-Dichloroethene
Concen: 0.448 ppbv
RT: 4.41 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 37599

Ion	Ratio	Lower	Upper
96	100		
61	190.5	159.0	238.4
98	67.0	51.1	76.7

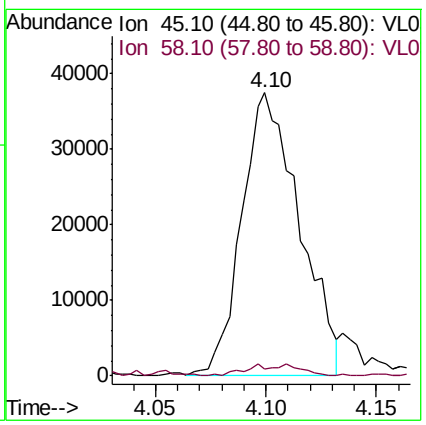


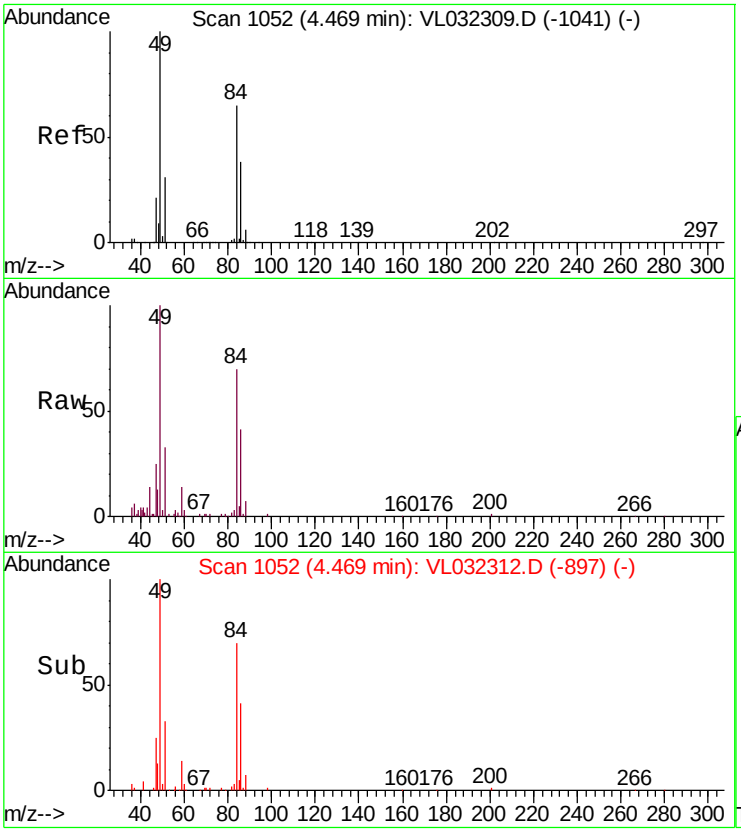


#19
Isopropyl Alcohol
Concen: 0.454 ppbv
RT: 4.10 min Scan# 937
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 45 Resp: 68012

Ion	Ratio	Lower	Upper
45	100		
58	3.8	1.5	2.3#



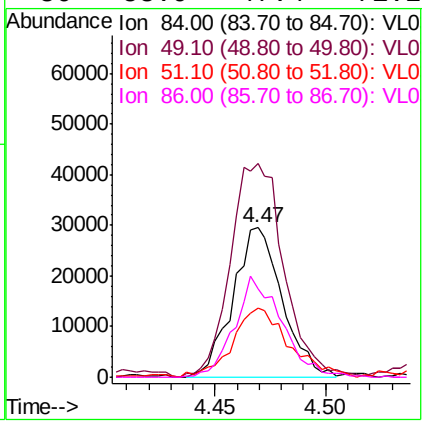


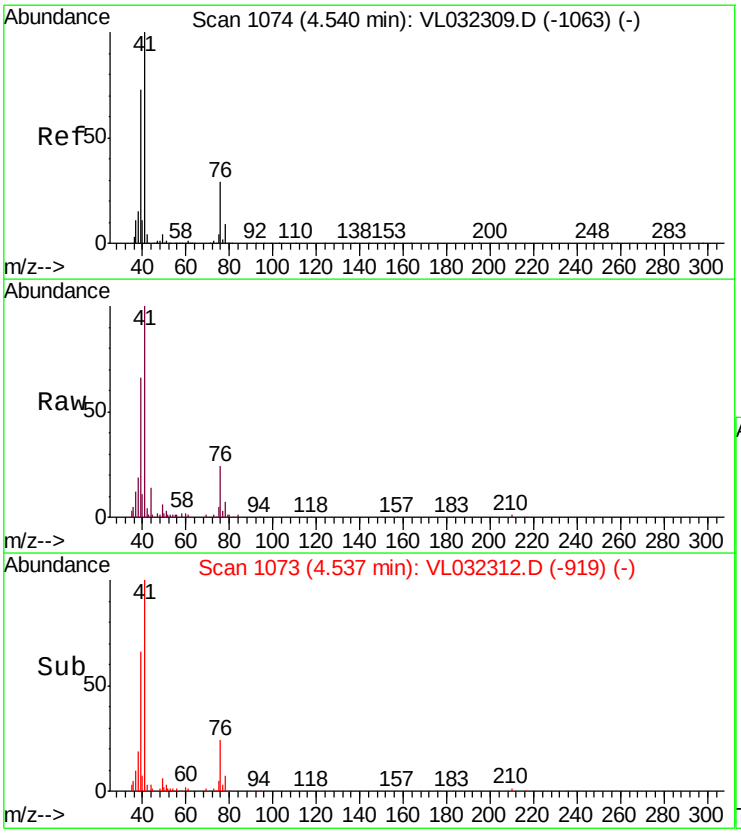
#20
Methylene Chloride
Concen: 0.535 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 45888

Ion	Ratio	Lower	Upper
84	100		
49	140.3	123.4	185.0
51	43.6	38.2	57.2
86	58.9	47.4	71.2

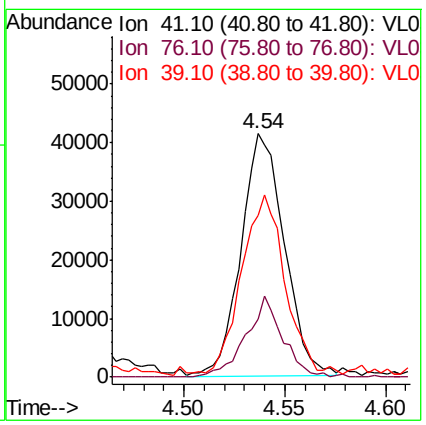


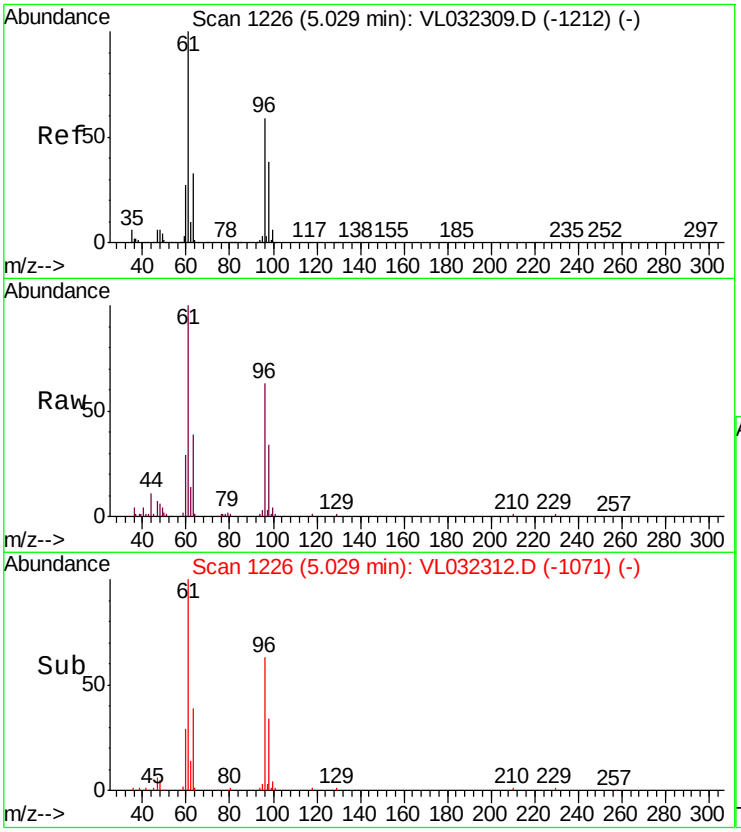


#21
Allyl Chloride
Concen: 0.427 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 41 Resp: 62518

Ion	Ratio	Lower	Upper
41	100		
76	28.1	23.1	34.7
39	78.5	58.2	87.2



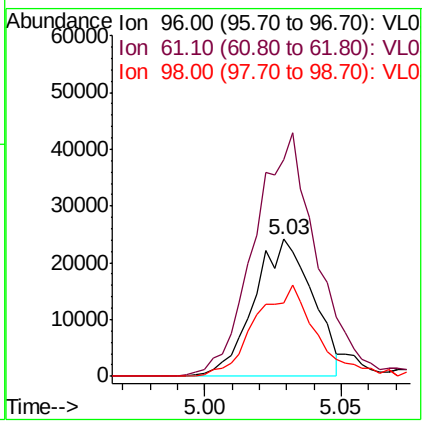


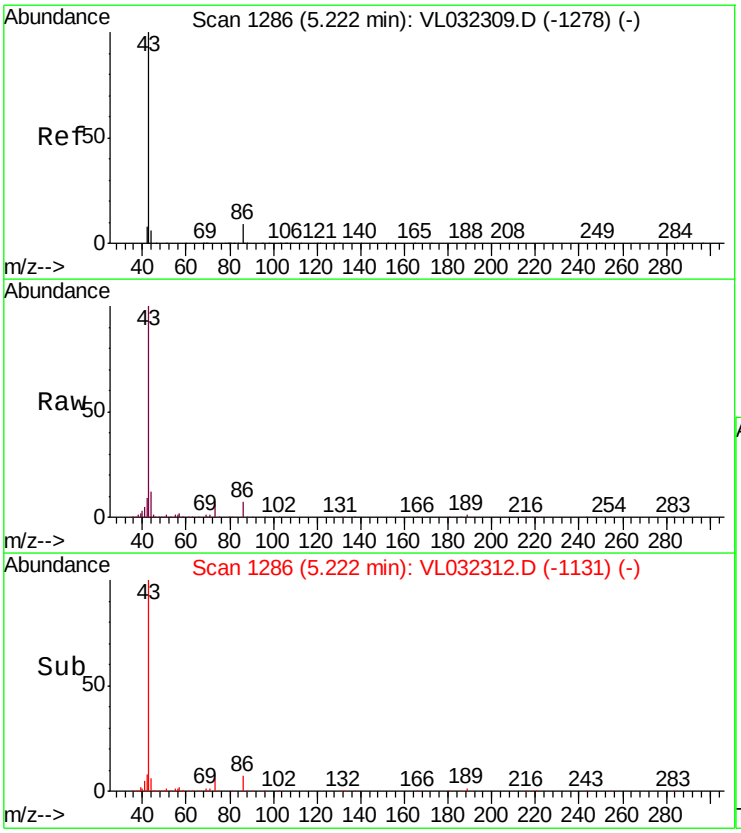
#22
trans-1,2-Dichloroethene
Concen: 0.418 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 36058

Ion	Ratio	Lower	Upper
96	100		
61	157.0	136.5	204.7
98	53.3	51.3	76.9

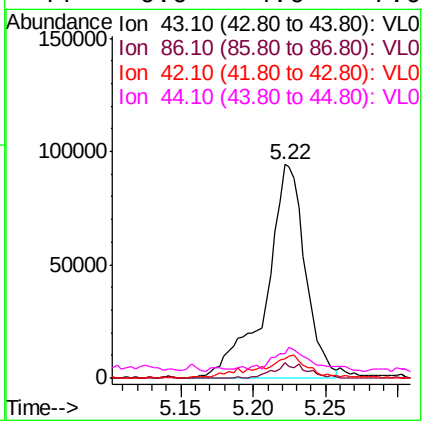


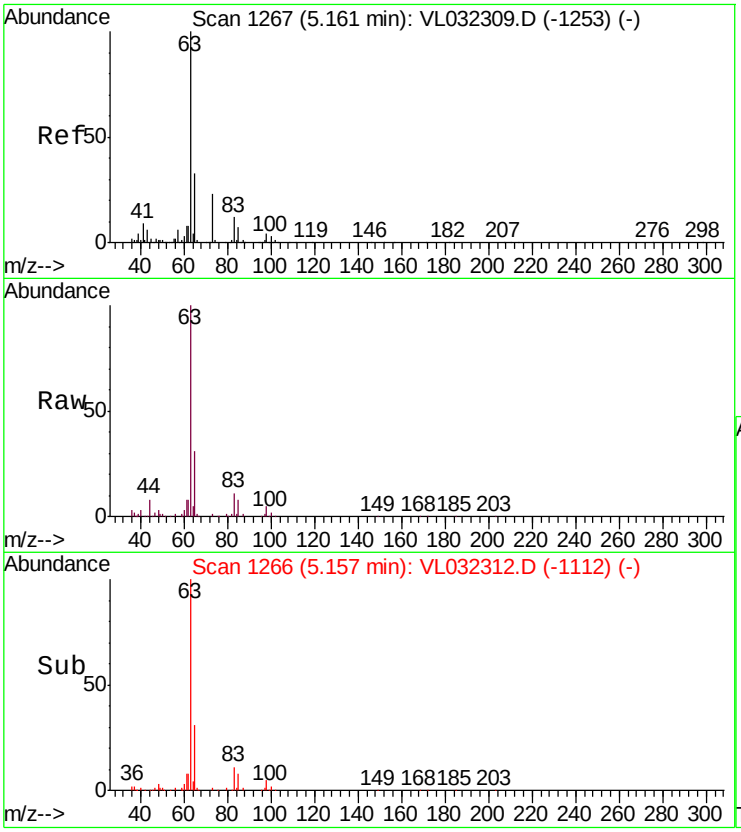


#23
Vinyl Acetate
Concen: 0.440 ppbv
RT: 5.22 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 43 Resp: 173689

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	8.9	7.0	10.4
44	6.9	4.6	7.0



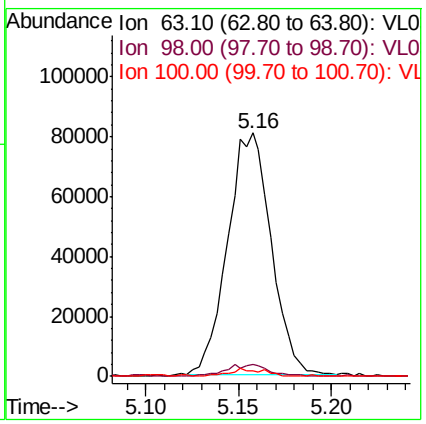


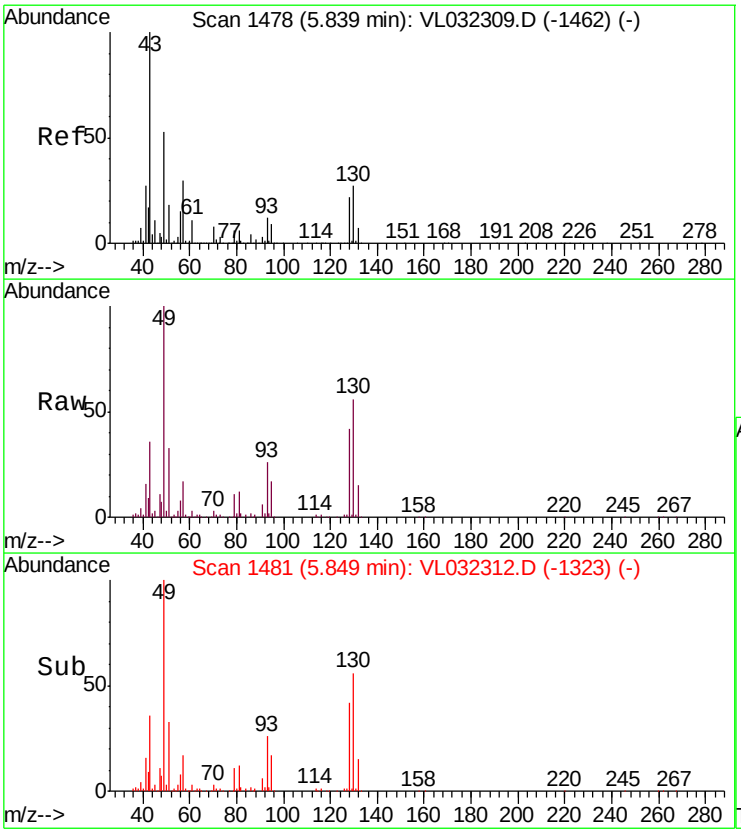
#24
1,1-Dichloroethane
Concen: 0.462 ppbv
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 131974

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.1	1.3	3.8

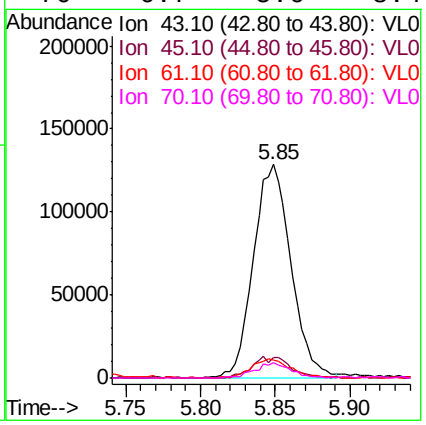


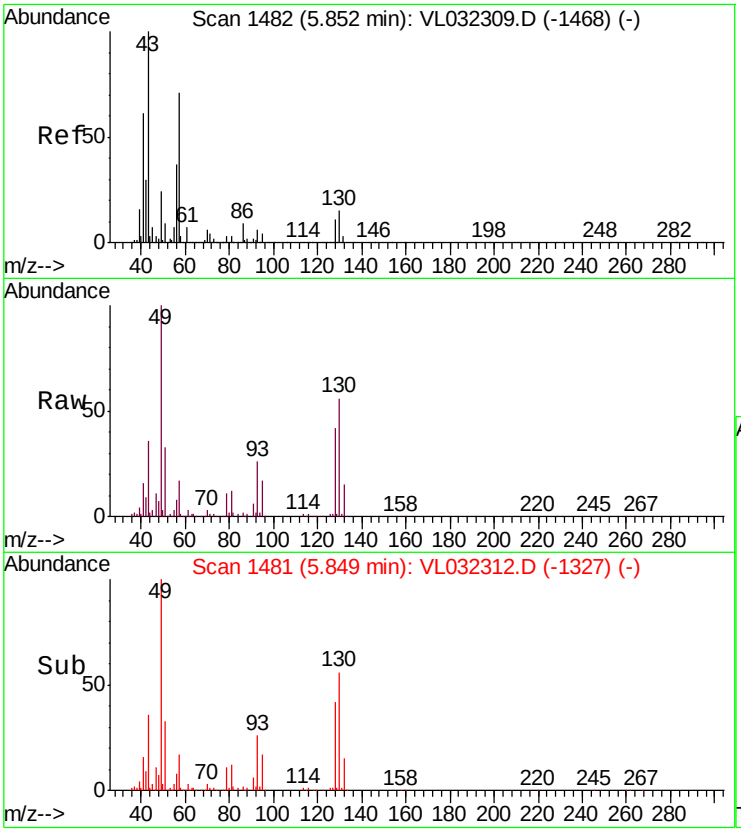


#25
Ethyl Acetate
Concen: 0.468 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 43 Resp: 224750

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.5	7.4	11.0
70	6.7	5.6	8.4



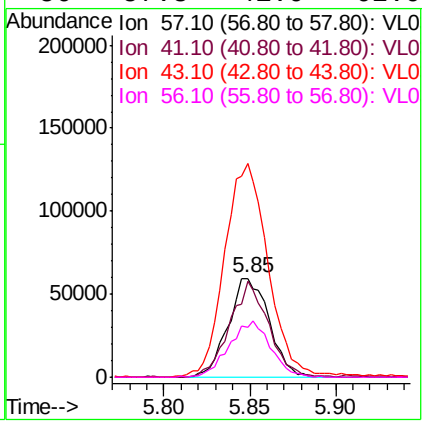


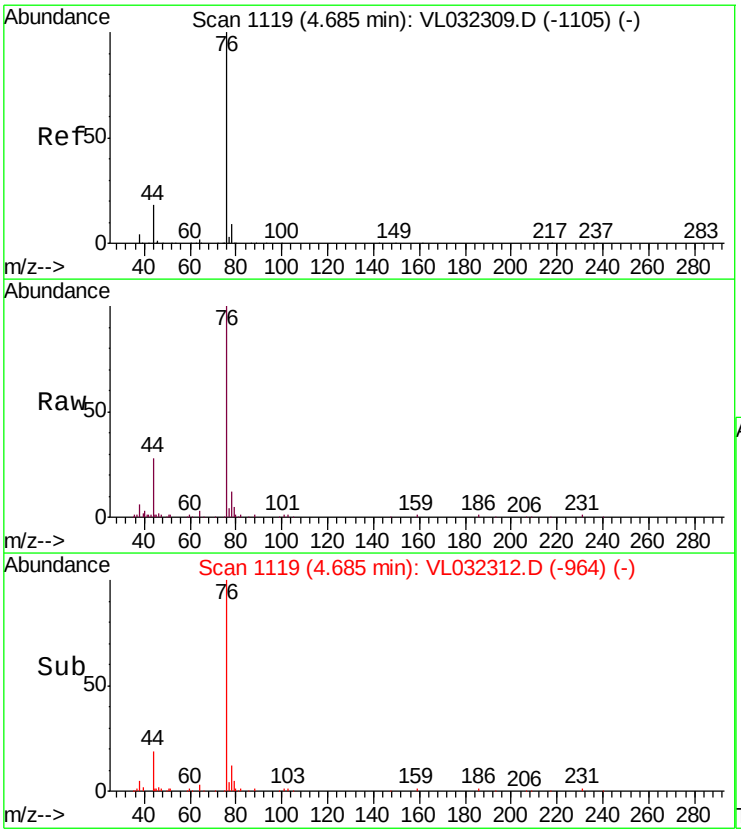
#26
Hexane
Concen: 0.447 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 98445

Ion	Ratio	Lower	Upper
57	100		
41	92.1	68.1	102.1
43	231.0	177.4	266.2
56	57.8	41.9	62.9

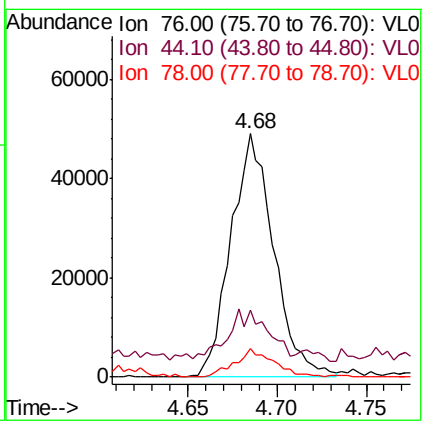


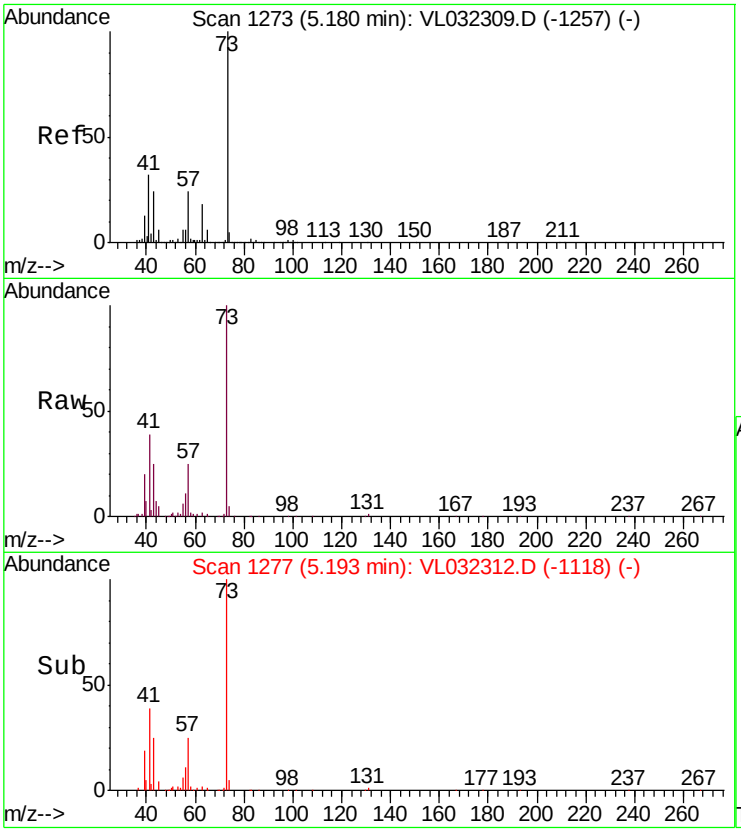


#27
Carbon Disulfide
Concen: 0.421 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 76 Resp: 82292

Ion	Ratio	Lower	Upper
76	100		
44	26.6	14.0	21.0#
78	10.8	7.5	11.3

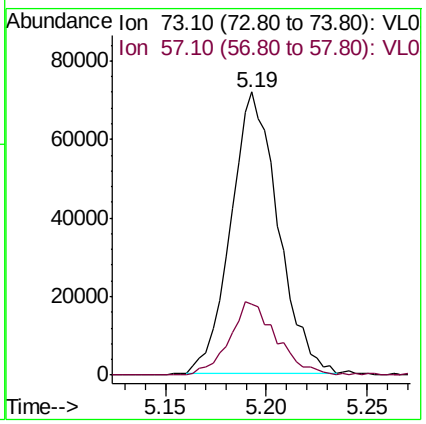




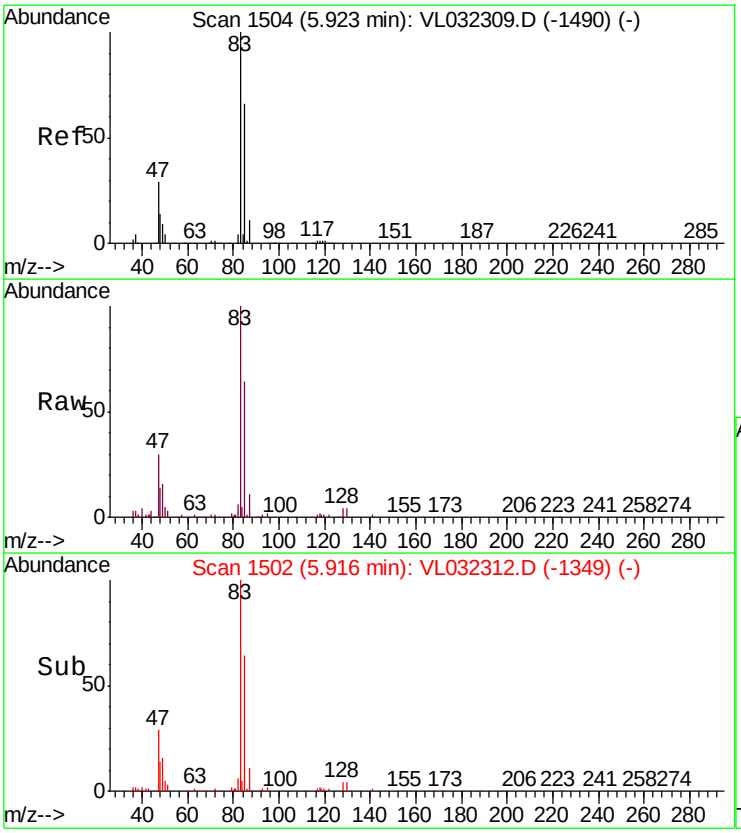
#28
Methyl tert-Butyl Ether
Concen: 0.365 ppbv
RT: 5.19 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 73 Resp: 117629

Ion	Ratio	Lower	Upper
73	100		
57	26.3	19.4	29.0



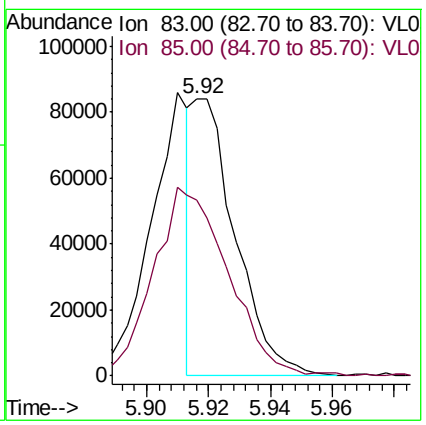
Instrument :
MSVOA_L
ClientSampleId :

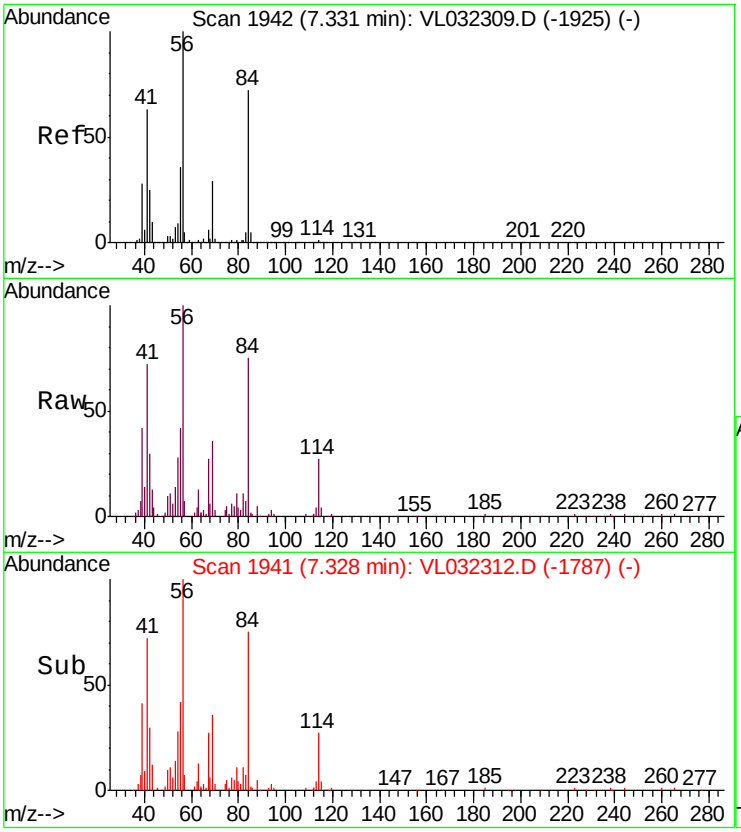


#29
Chloroform
Concen: 0.247 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 83 Resp: 79740

Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.9	79.3



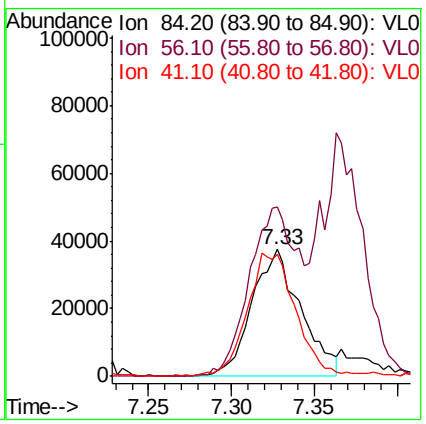


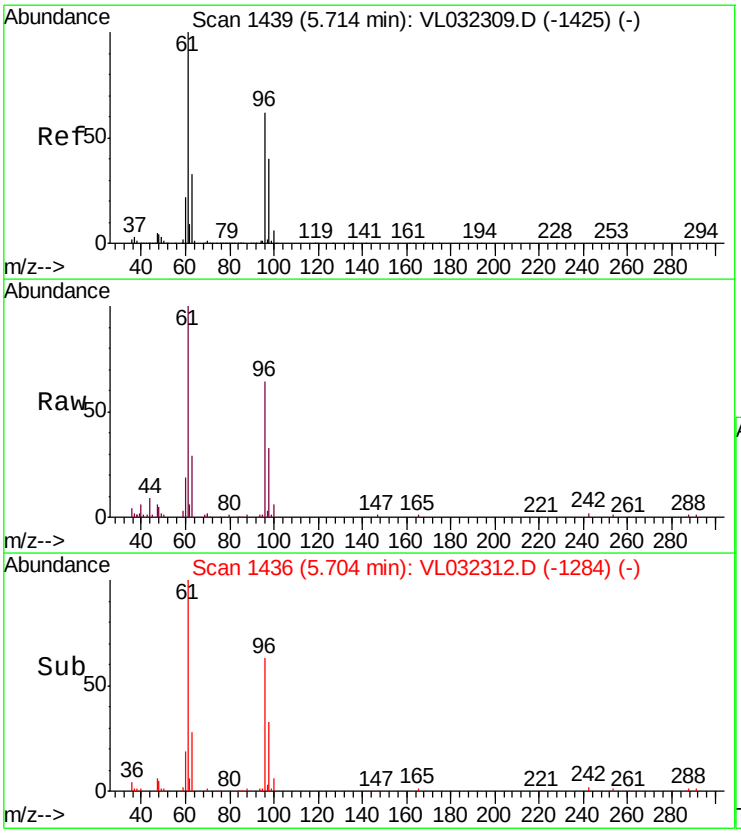
#30
Cyclohexane
Concen: 0.420 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 76986

Ion	Ratio	Lower	Upper
84	100		
56	129.8	116.8	175.2
41	98.2	70.0	105.0

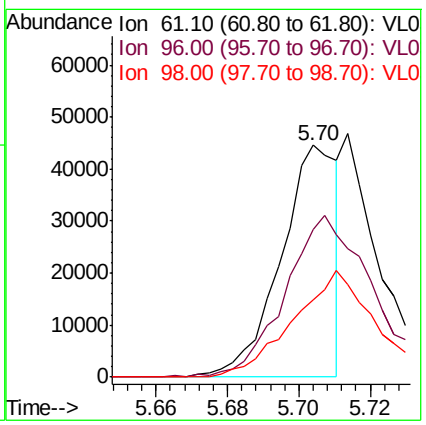


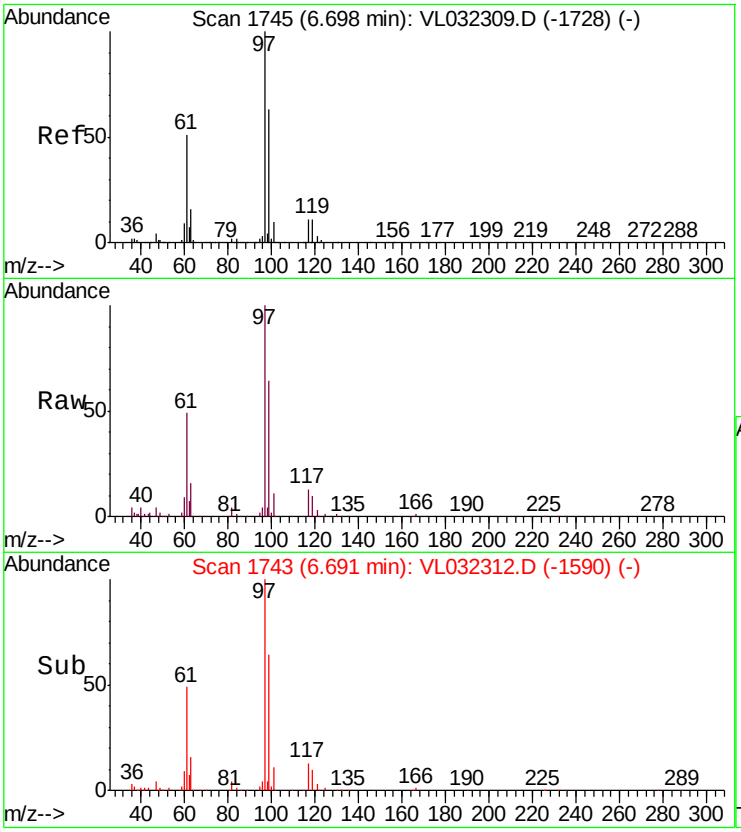


#31
cis-1,2-Dichloroethene
Concen: 0.230 ppbv
RT: 5.70 min Scan# 1436
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 61 Resp: 48746

Ion	Ratio	Lower	Upper
61	100		
96	63.6	49.8	74.6
98	33.1	31.8	47.6

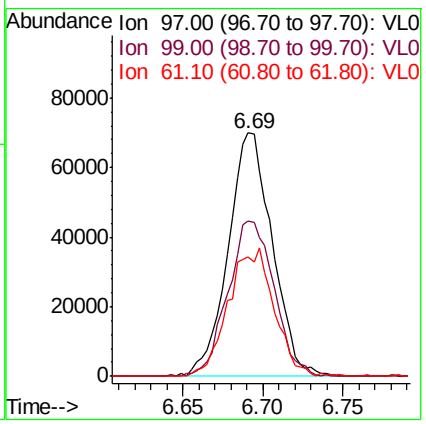




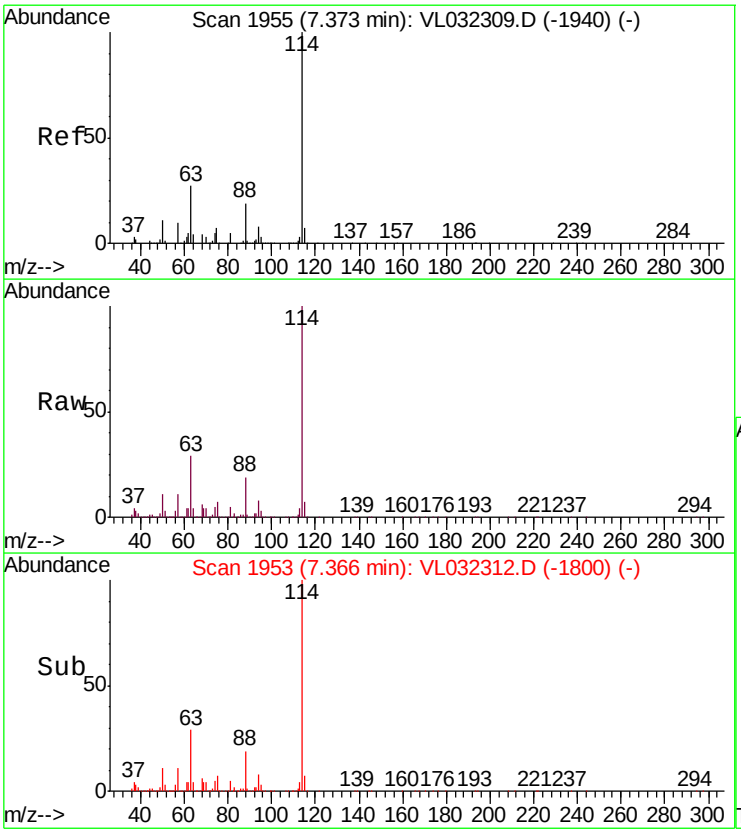
#32
1,1,1-Trichloroethane
Concen: 0.402 ppbv
RT: 6.69 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 97 Resp: 131253

Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.9	76.3
61	55.1	41.8	62.6



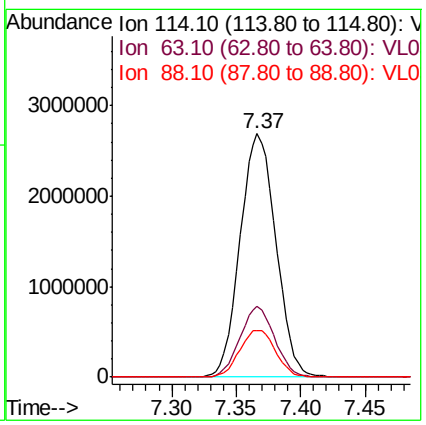
Instrument :
MSVOA_L
ClientSampleId :

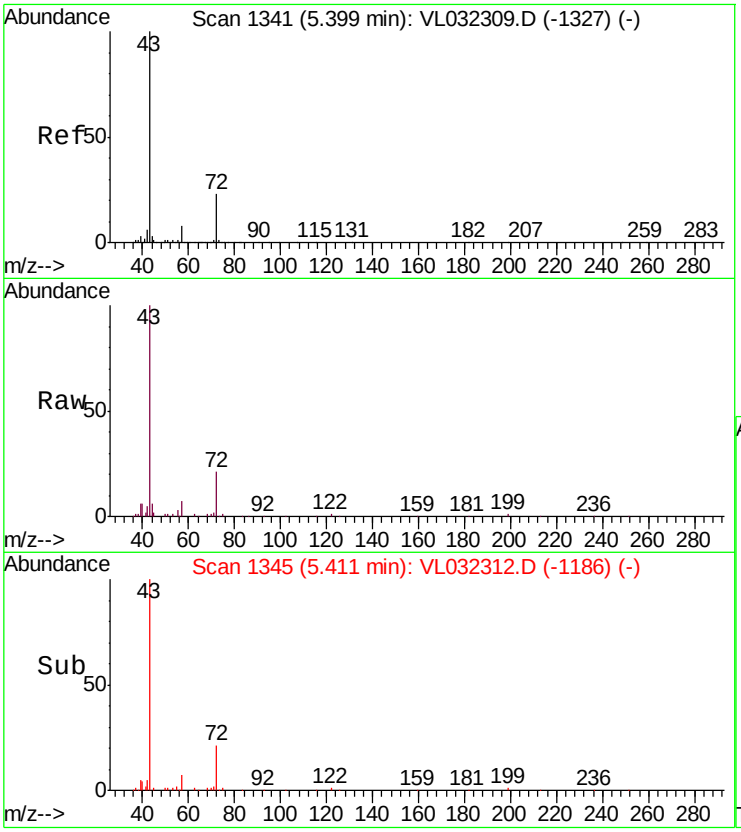


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1953
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:114 Resp: 5211039

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.4	15.3	22.9



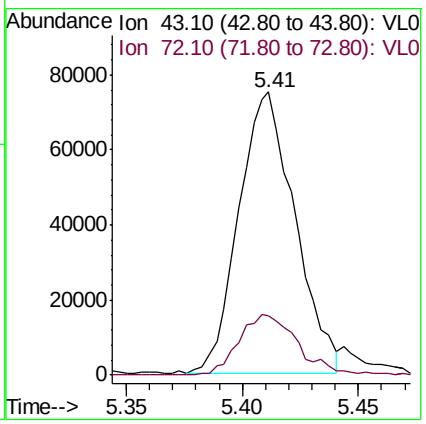


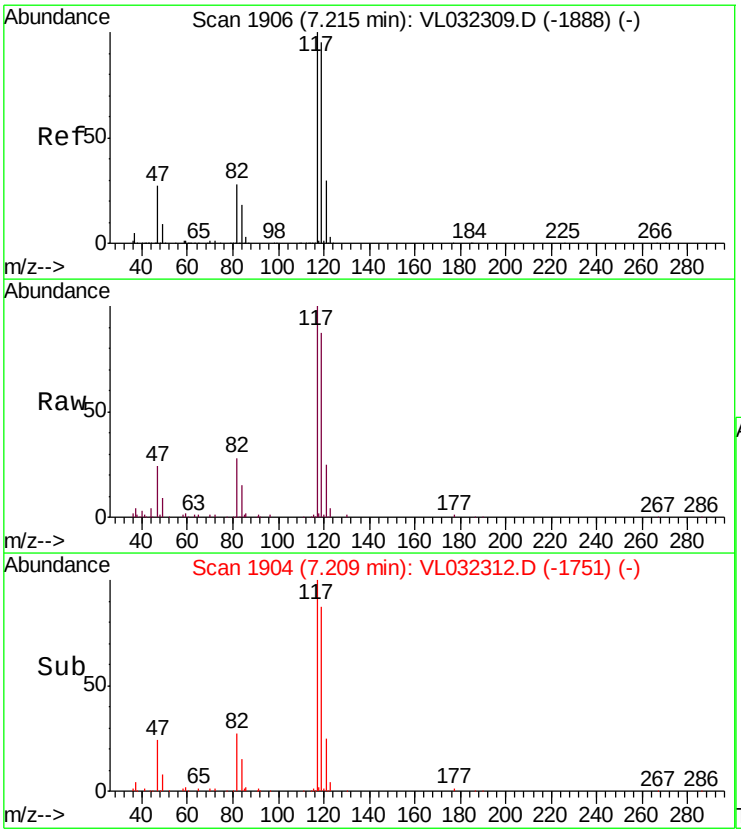
#34
2-Butanone
Concen: 0.350 ppbv
RT: 5.41 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 126309

Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.4	26.2

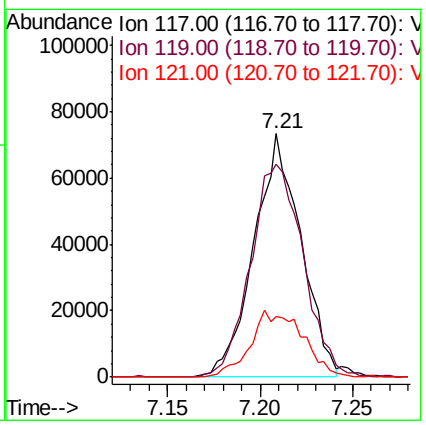


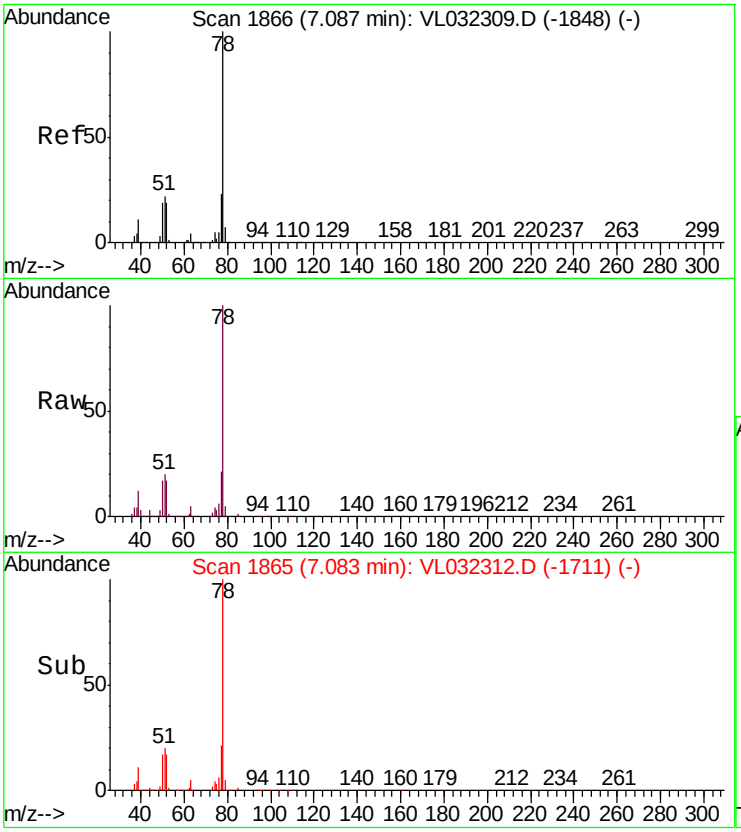


#35
Carbon Tetrachloride
Concen: 0.361 ppbv
RT: 7.21 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:117 Resp: 128813

Ion	Ratio	Lower	Upper
117	100		
119	87.4	76.1	114.1
121	25.3	24.4	36.6



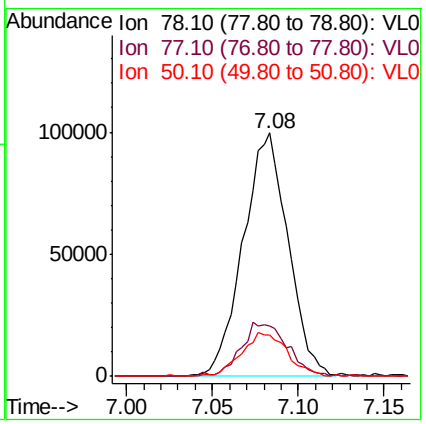


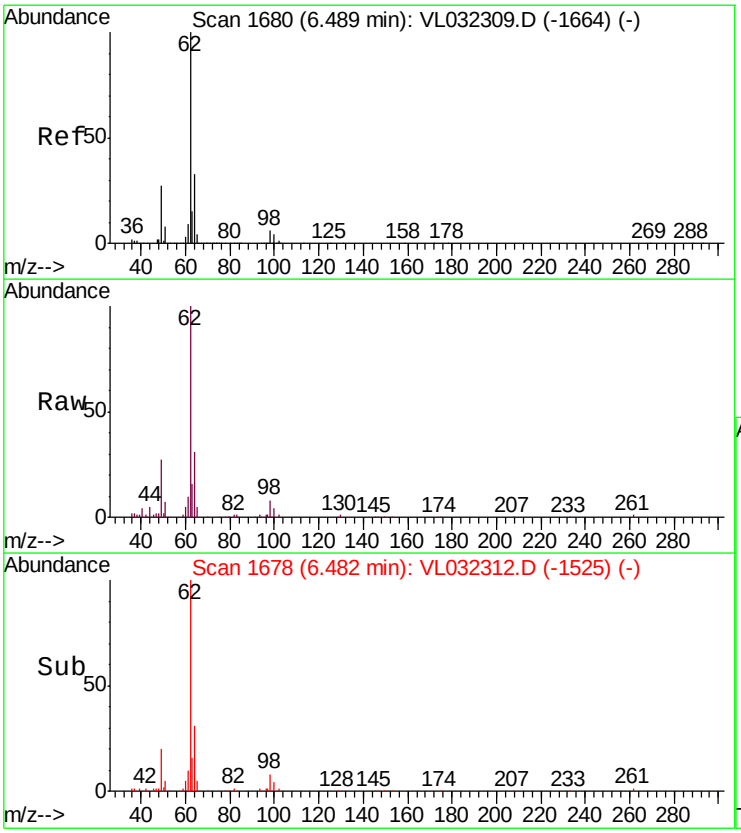
#36
Benzene
Concen: 0.350 ppbv
RT: 7.08 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 180399

Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.4	27.6
50	16.6	15.3	22.9

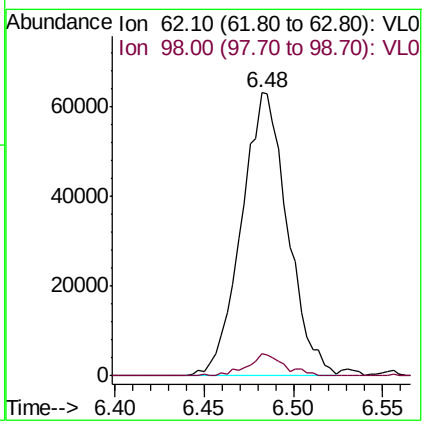


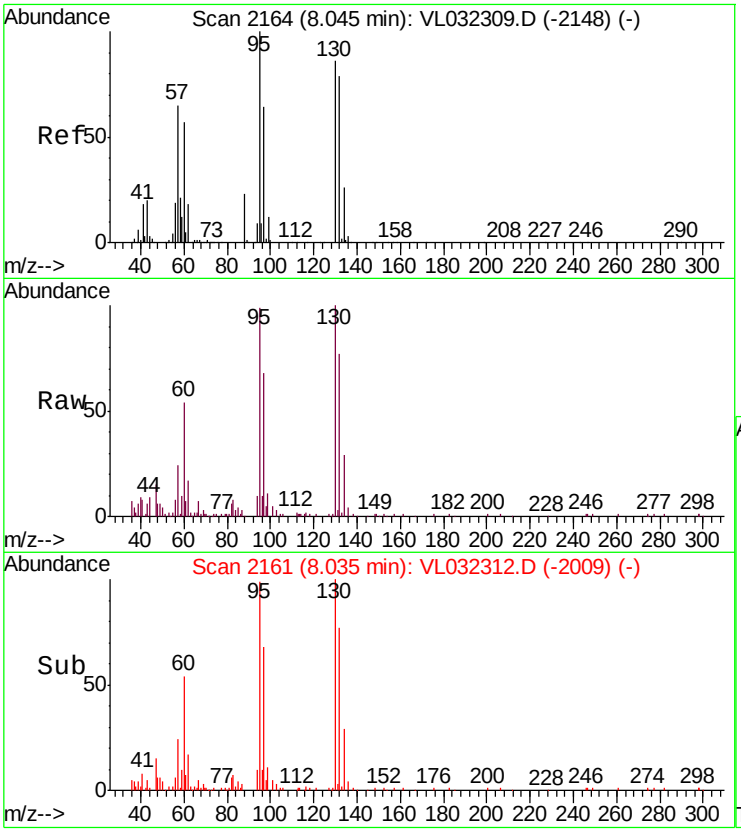


#37
1,2-Dichloroethane
Concen: 0.381 ppbv
RT: 6.48 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 62 Resp: 114508

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.1	7.7



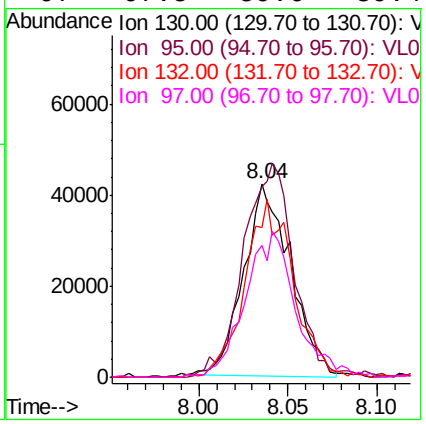


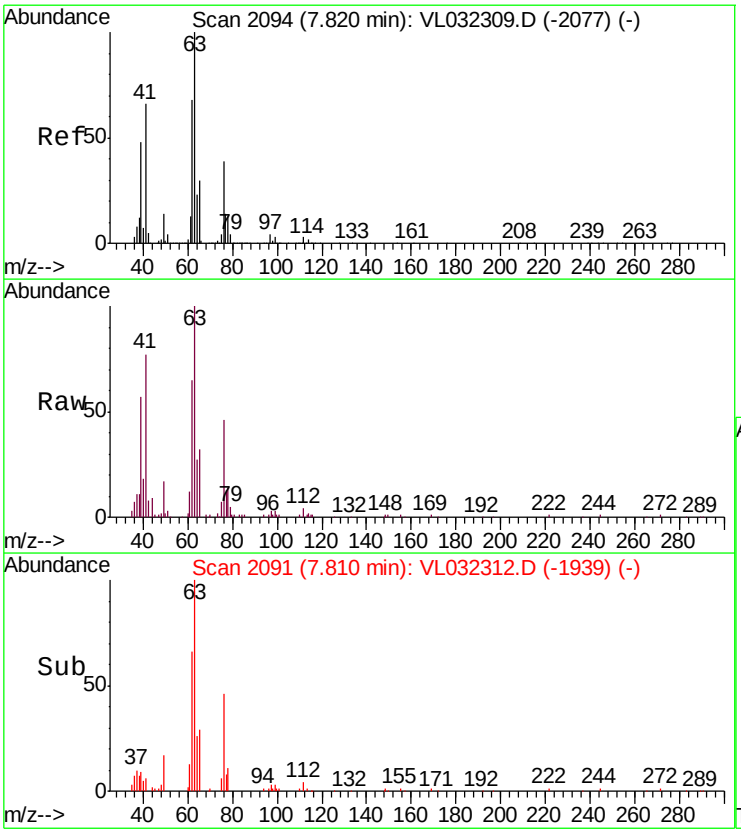
#38
Trichloroethene
Concen: 0.447 ppbv
RT: 8.04 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 77884

Ion	Ratio	Lower	Upper
130	100		
95	99.7	92.9	139.3
132	78.5	73.0	109.4
97	67.5	59.6	89.4

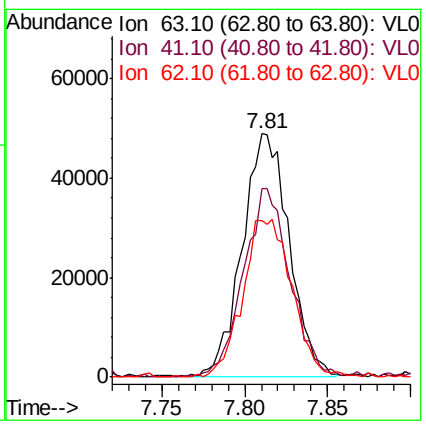


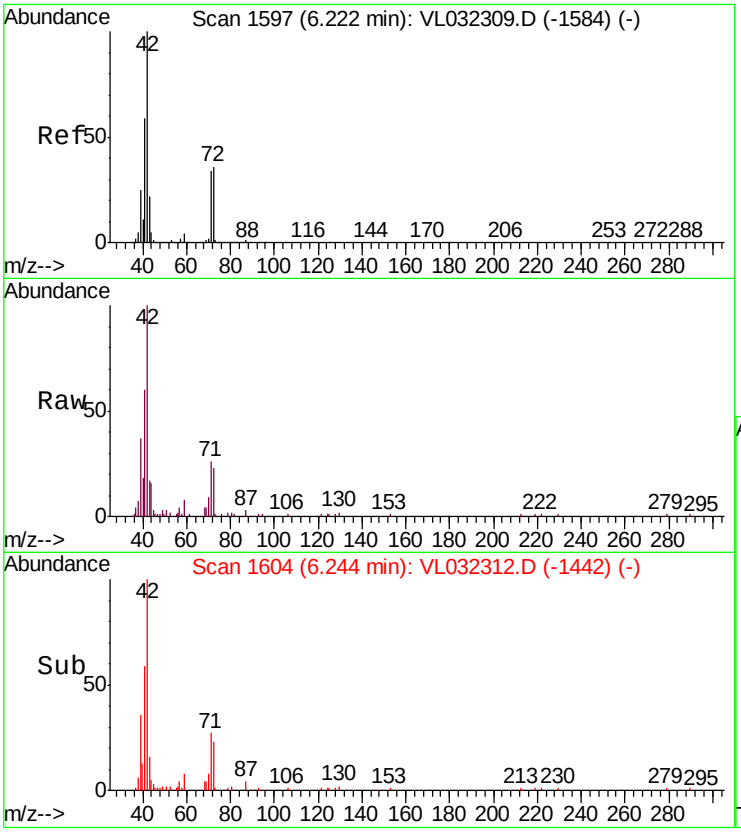


#39
1,2-Dichloropropane
Concen: 0.456 ppbv
RT: 7.81 min Scan# 2091
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 63 Resp: 96991

Ion	Ratio	Lower	Upper
63	100		
41	76.7	52.5	78.7
62	64.6	54.6	81.8



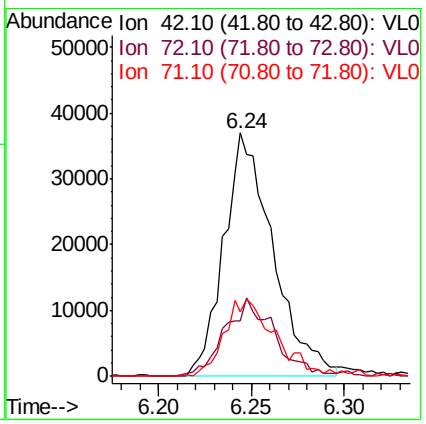


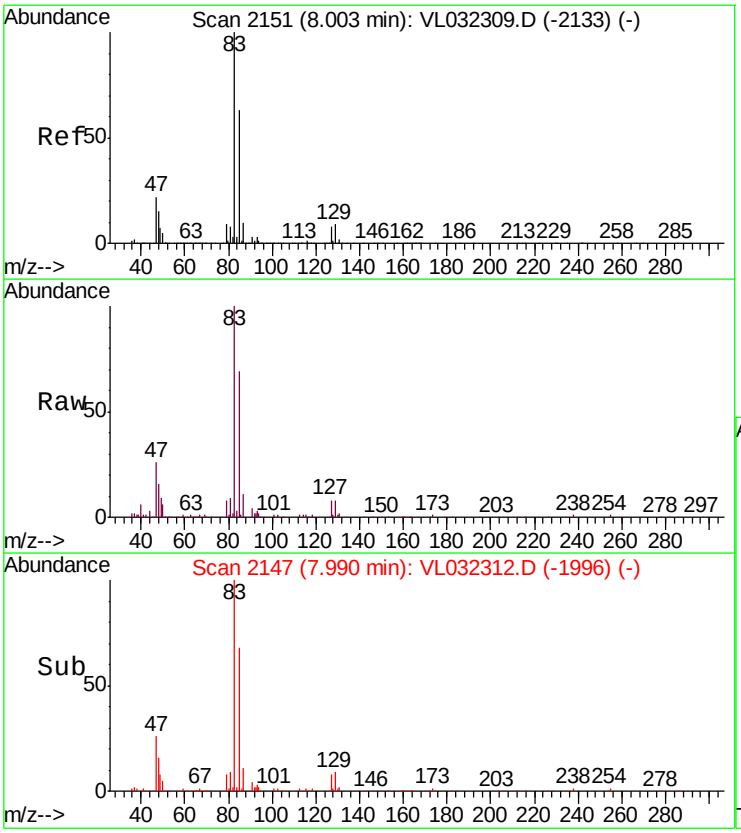
#41
Tetrahydrofuran
Concen: 0.327 ppbv
RT: 6.24 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 68025

Ion	Ratio	Lower	Upper
42	100		
72	32.8	28.6	42.8
71	33.7	27.8	41.6

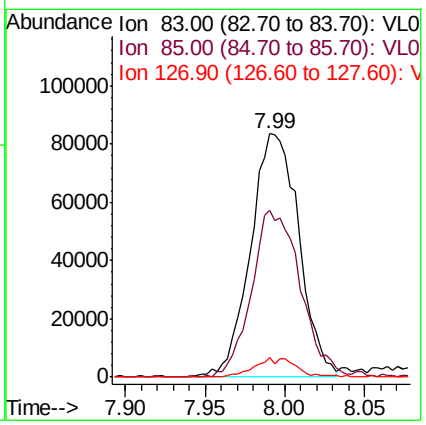


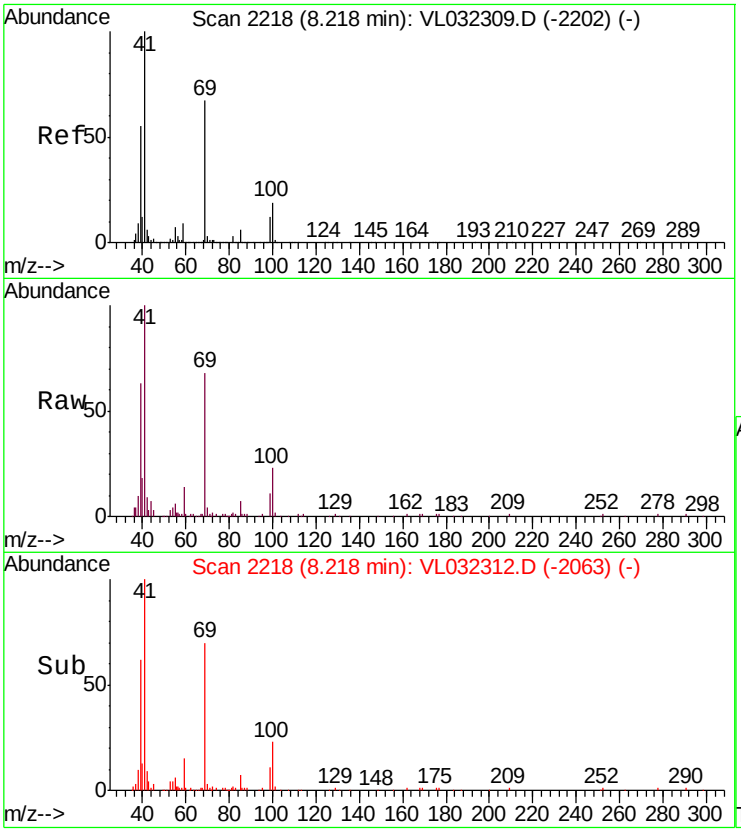


#42
Bromodichloromethane
Concen: 0.438 ppbv
RT: 7.99 min Scan# 2147
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 83 Resp: 174227

Ion	Ratio	Lower	Upper
83	100		
85	68.6	50.7	76.1
127	7.9	6.0	9.0



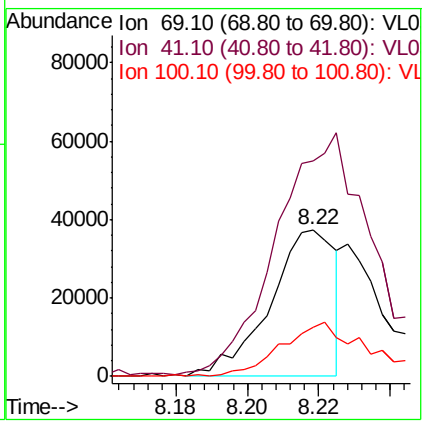


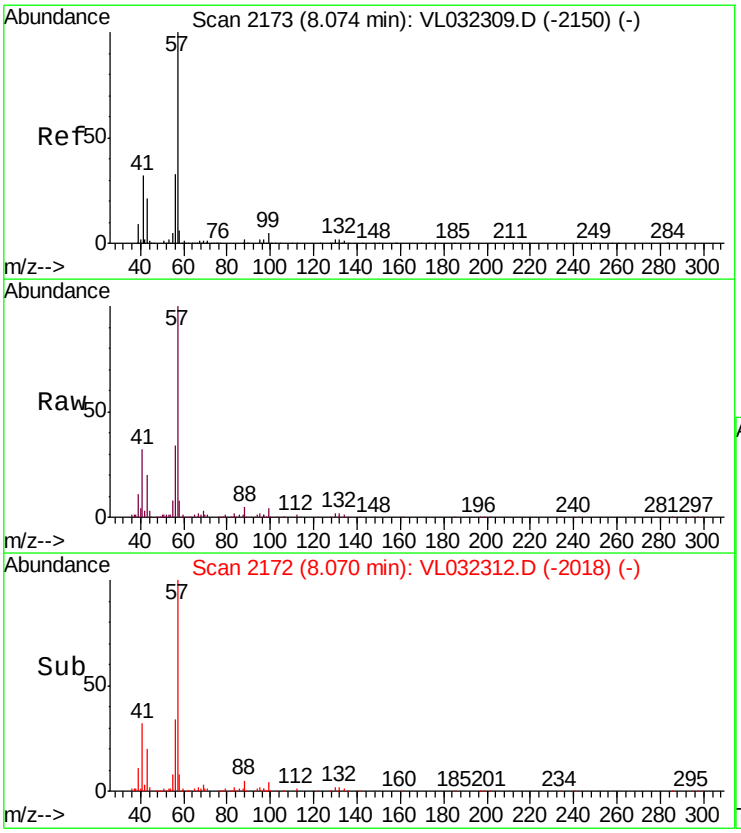
#43
Methyl Methacrylate
Concen: 0.222 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 46843

Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.6	180.8#
100	0.0	23.2	34.8#

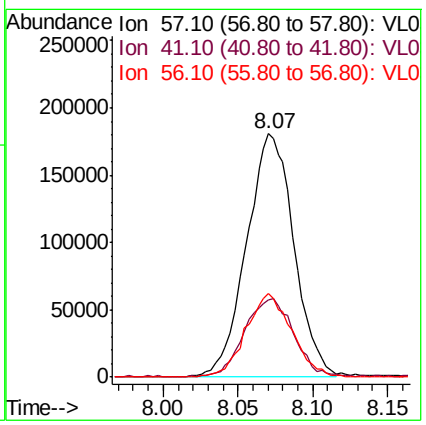


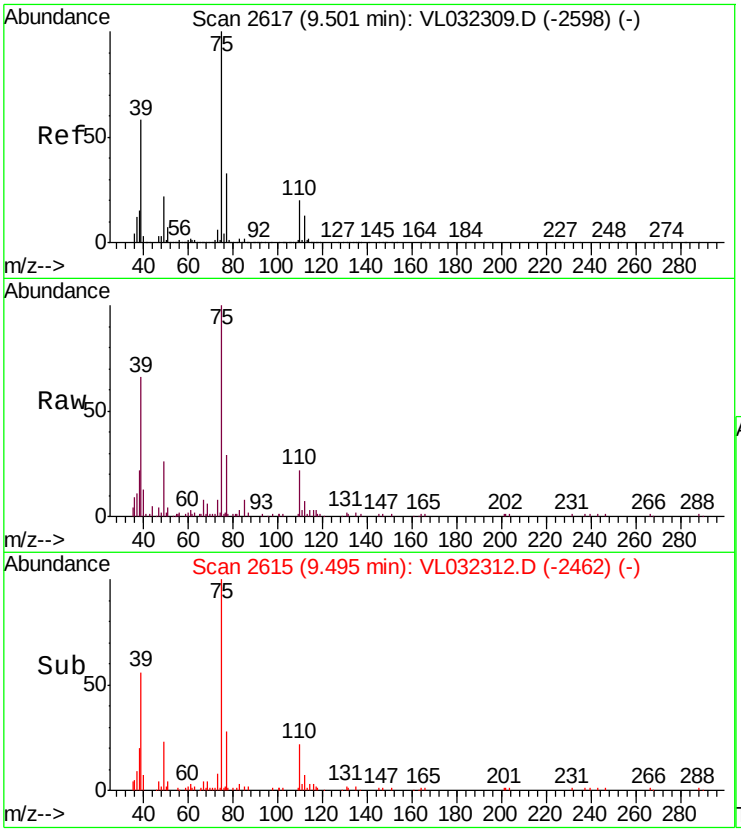


#44
2,2,4-Trimethylpentane
Concen: 0.434 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 57 Resp: 396227

Ion	Ratio	Lower	Upper
57	100		
41	34.4	24.3	36.5
56	33.6	25.4	38.2



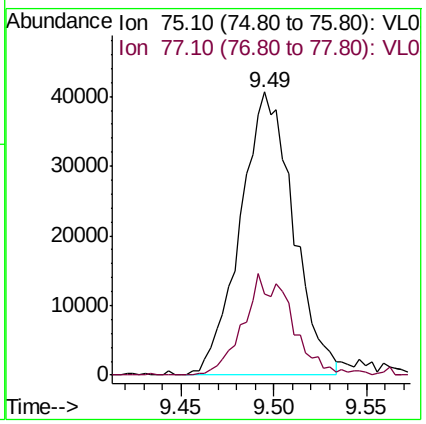


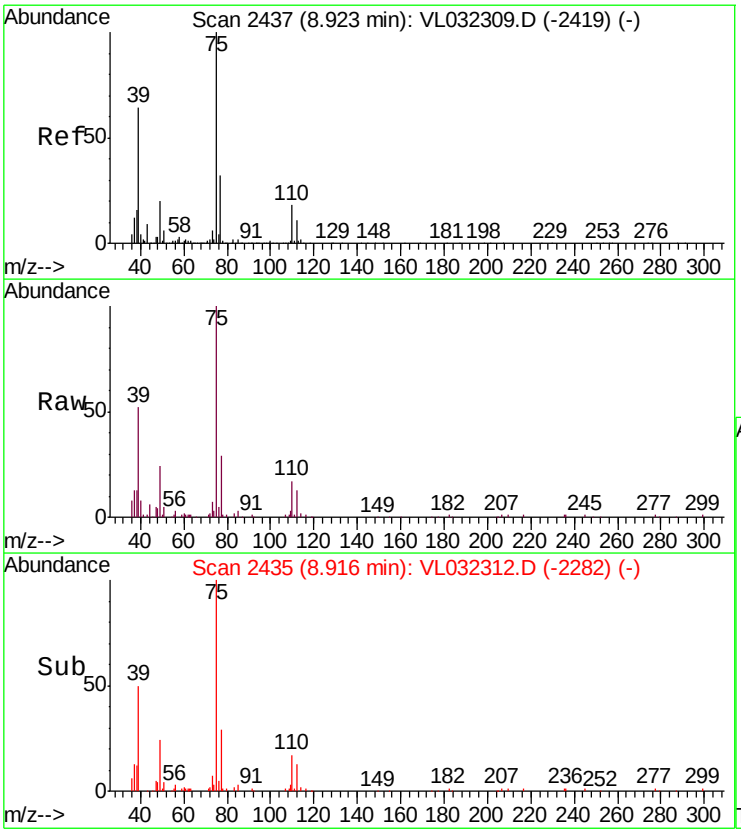
#45
t-1,3-Dichloropropene
Concen: 0.316 ppbv
RT: 9.49 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 80911

Ion	Ratio	Lower	Upper
75	100		
77	28.7	26.2	39.4

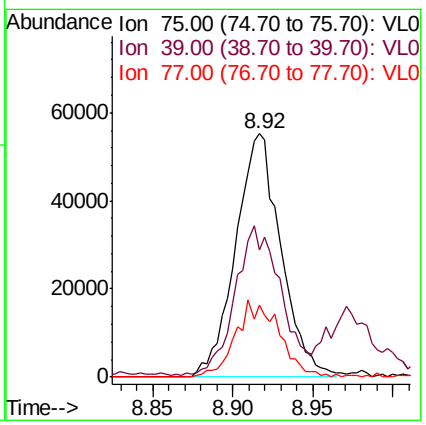


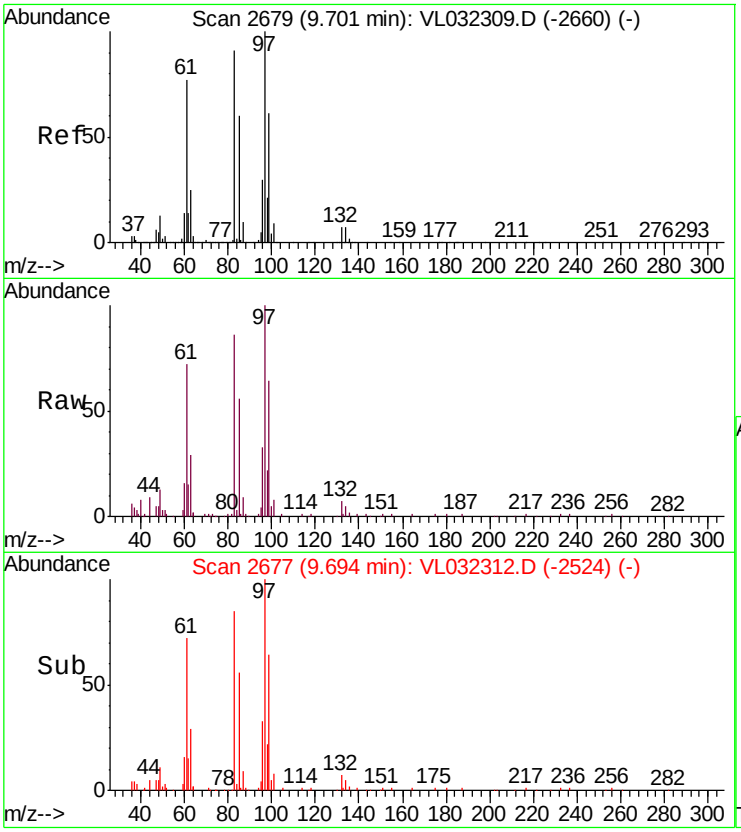


#46
cis-1,3-Dichloropropene
Concen: 0.336 ppbv
RT: 8.92 min Scan# 2435
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 75 Resp: 106892

Ion	Ratio	Lower	Upper
75	100		
39	50.4	50.9	76.3#
77	29.4	25.7	38.5



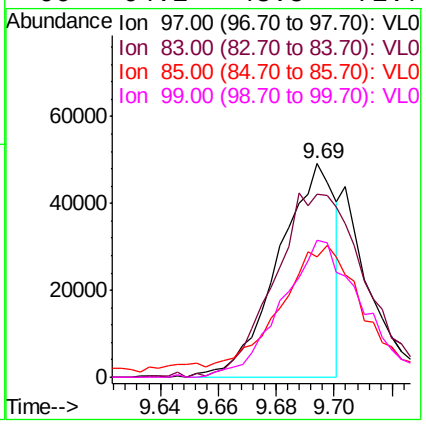


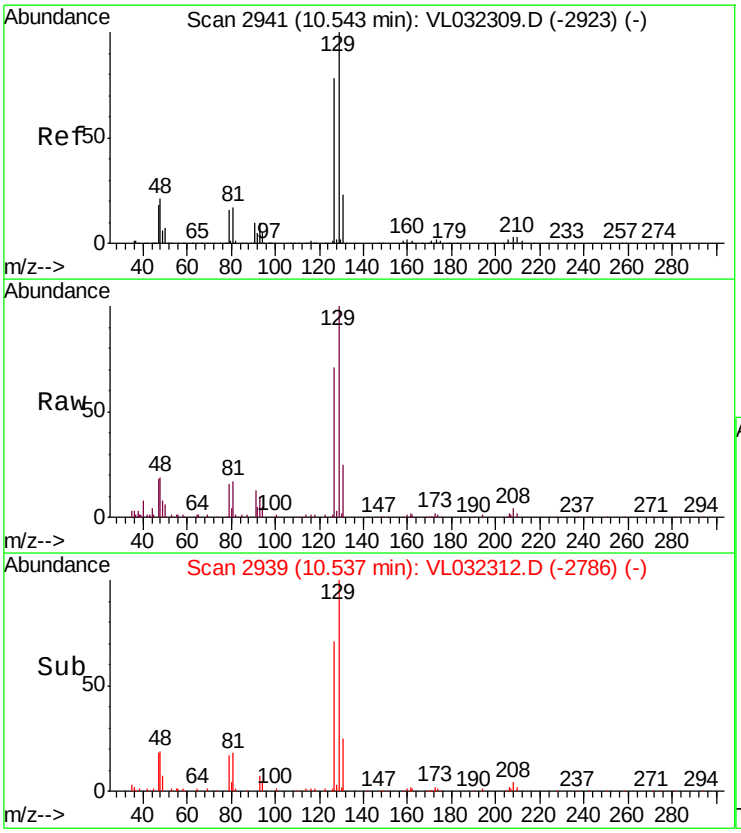
#47
1,1,2-Trichloroethane
Concen: 0.301 ppbv
RT: 9.69 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 66610

Ion	Ratio	Lower	Upper
97	100		
83	85.7	73.0	109.6
85	50.8	48.1	72.1
99	64.2	48.5	72.7

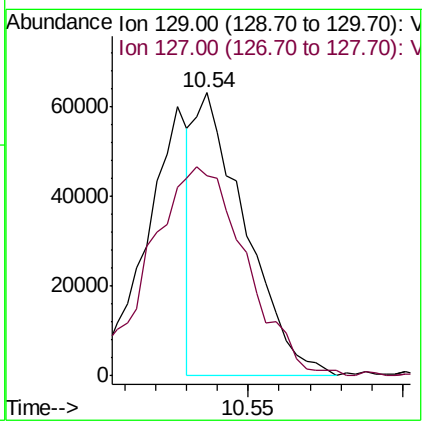


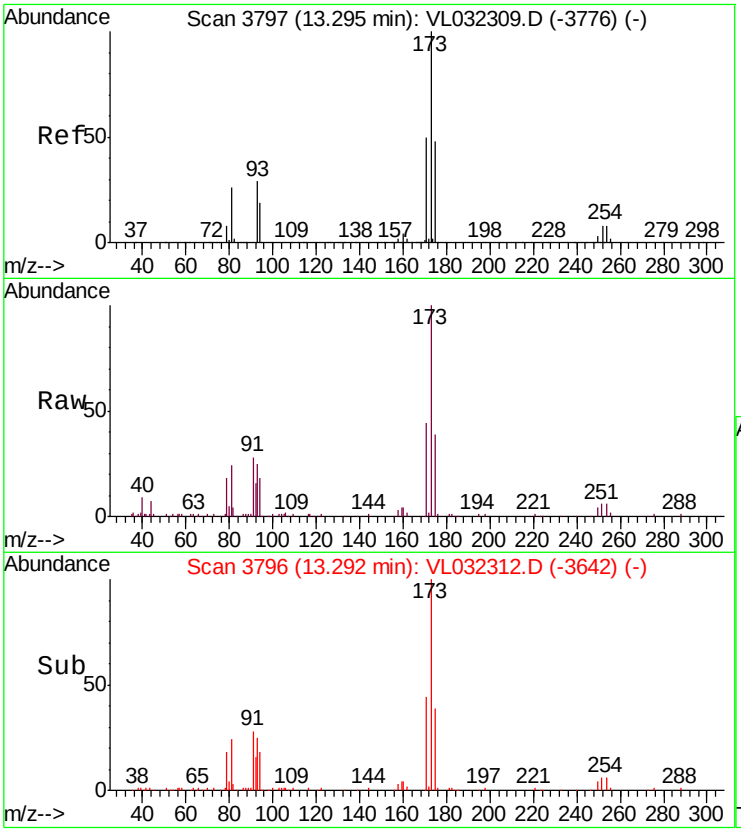


#48
Dibromochloromethane
Concen: 0.223 ppbv
RT: 10.54 min Scan# 2939
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:129 Resp: 72503

Ion	Ratio	Lower	Upper
129	100		
127	140.2	39.5	118.3#



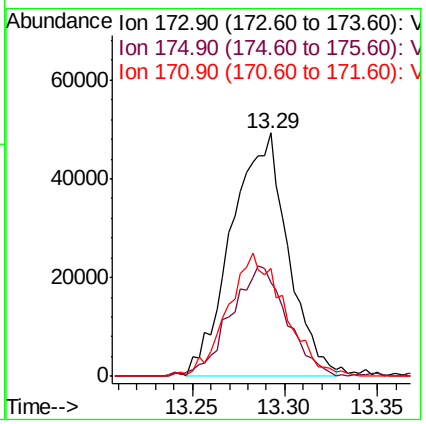


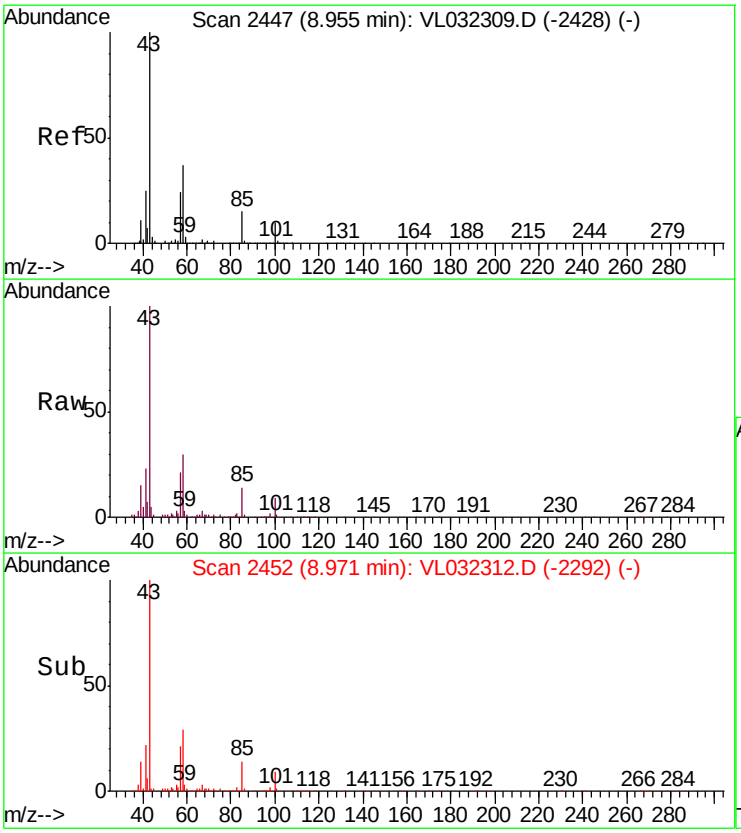
#49
Bromoform
Concen: 0.368 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 104381

Ion	Ratio	Lower	Upper
173	100		
175	46.0	38.9	58.3
171	51.1	42.2	63.2

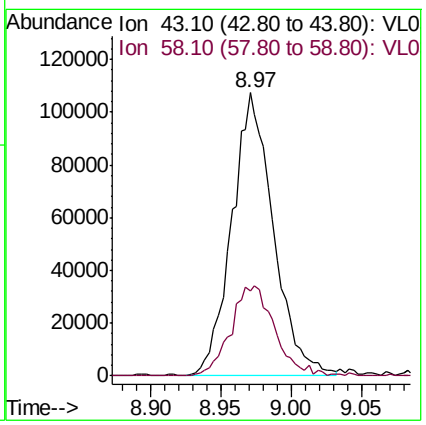


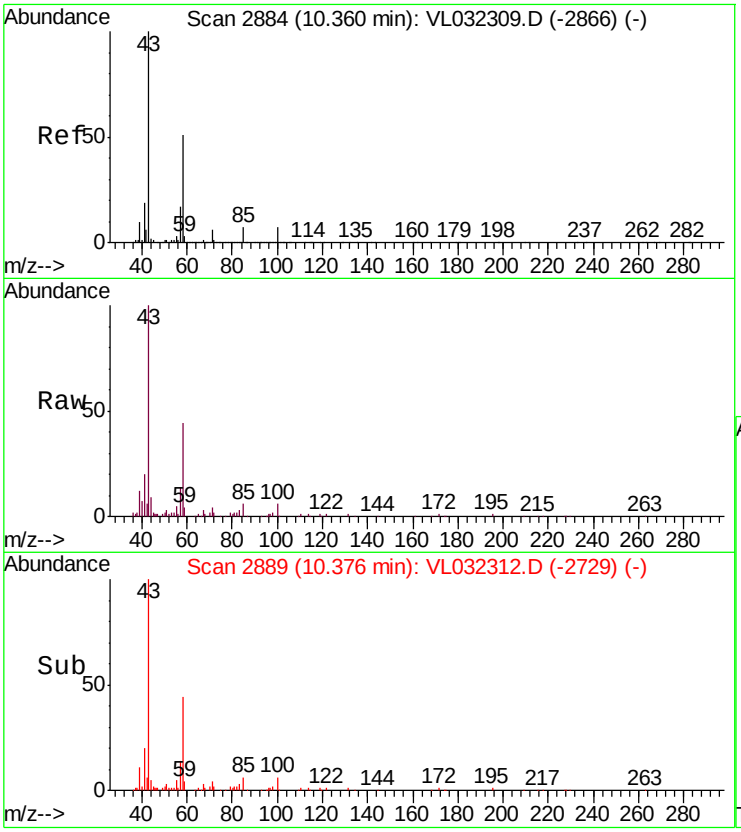


#50
4-Methyl-2-Pentanone
Concen: 0.373 ppbv
RT: 8.97 min Scan# 2452
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 43 Resp: 221681

Ion	Ratio	Lower	Upper
43	100		
58	33.2	28.9	43.3



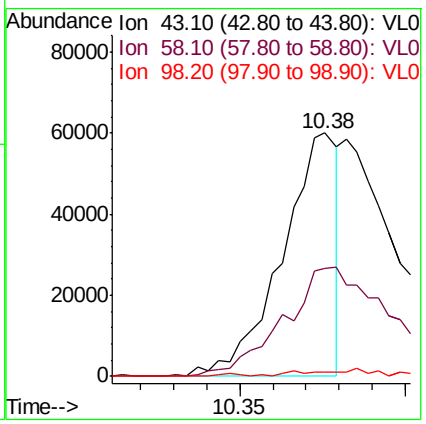


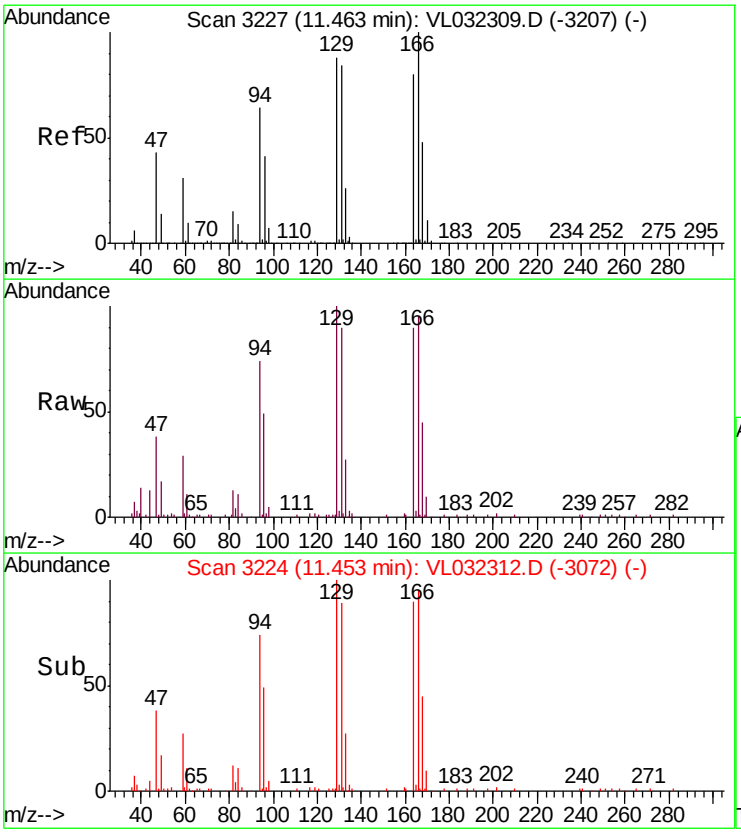
#51
2-Hexanone
Concen: 0.149 ppbv
RT: 10.38 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 69824

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.1	58.7#
98	0.4	0.3	0.5

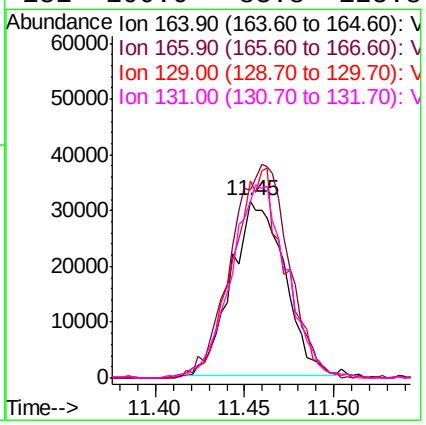


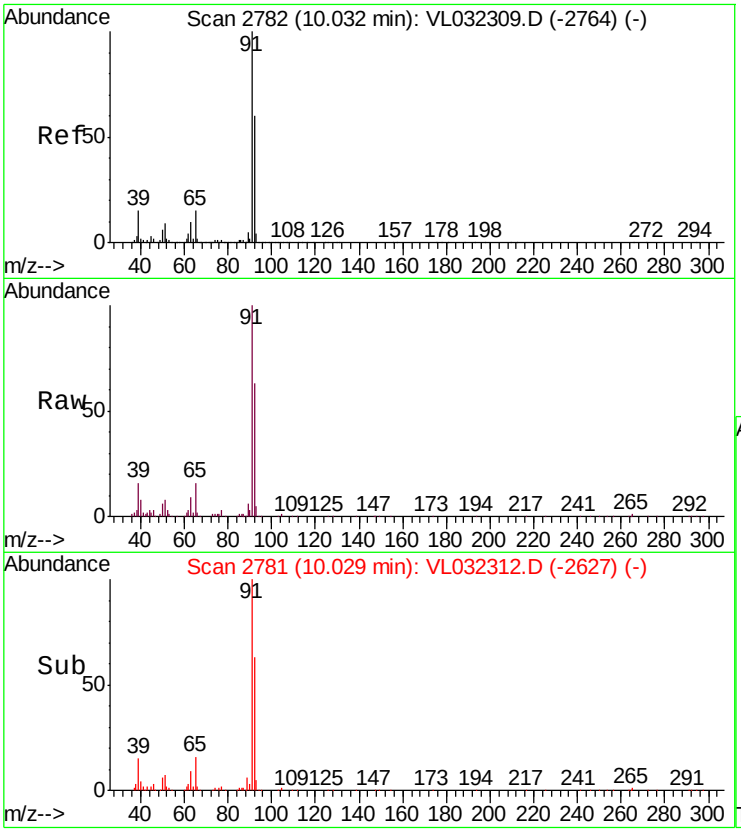


#52
Tetrachloroethene
Concen: 0.367 ppbv
RT: 11.45 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:164 Resp: 65189

Ion	Ratio	Lower	Upper
164	100		
166	104.8	100.0	150.0
129	110.9	87.9	131.9
131	100.0	83.8	125.8



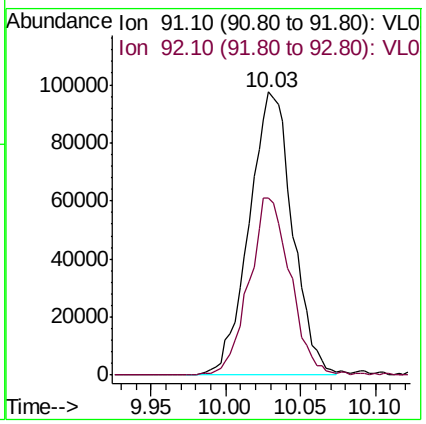


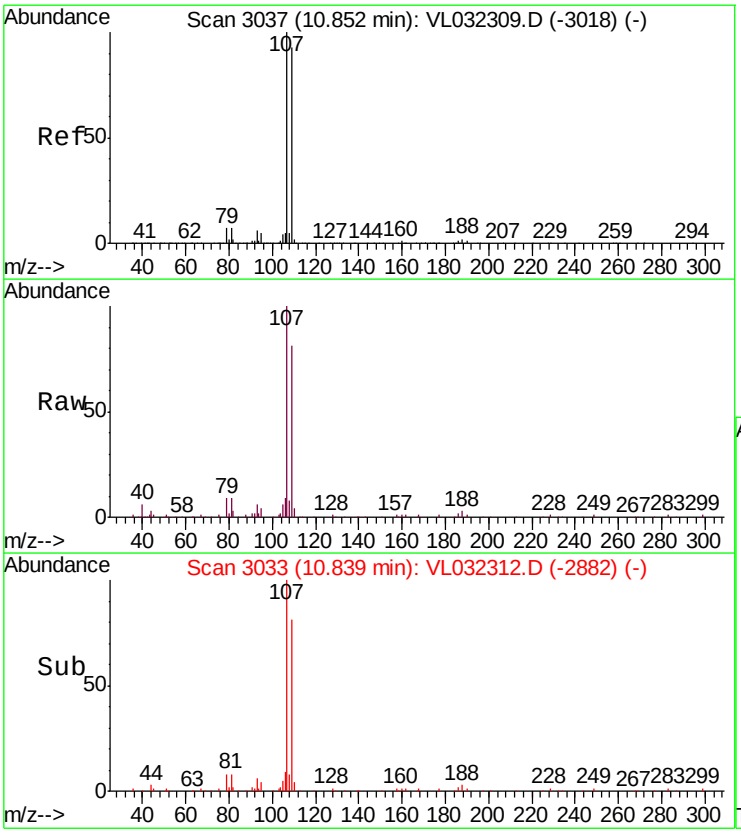
#53
Toluene
Concen: 0.316 ppbv
RT: 10.03 min Scan# 2781
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 197163

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.6	72.8

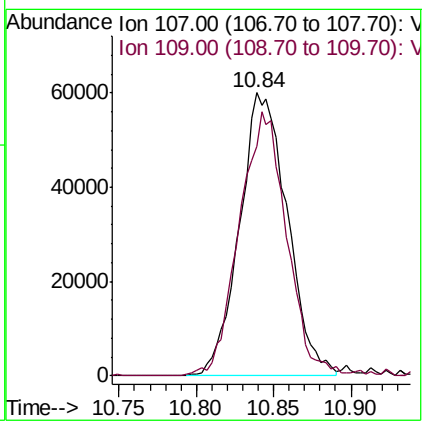


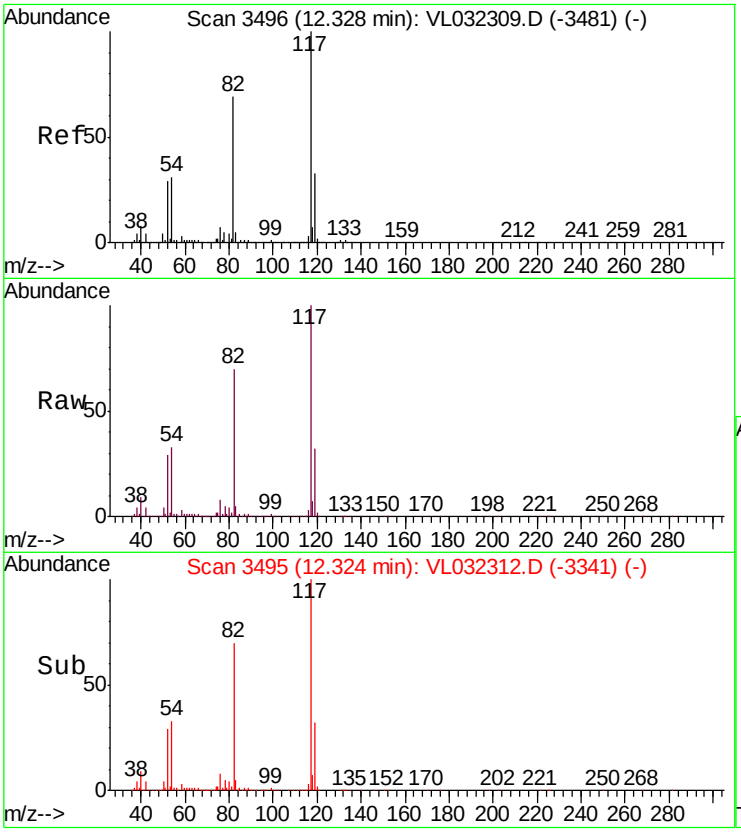


#54
1,2-Dibromoethane
Concen: 0.393 ppbv
RT: 10.84 min Scan# 3033
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:107 Resp: 128922

Ion	Ratio	Lower	Upper
107	100		
109	80.6	74.1	111.1



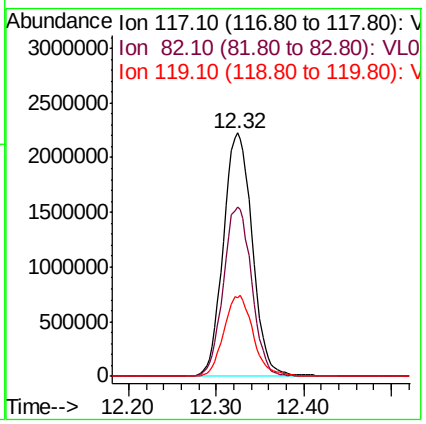


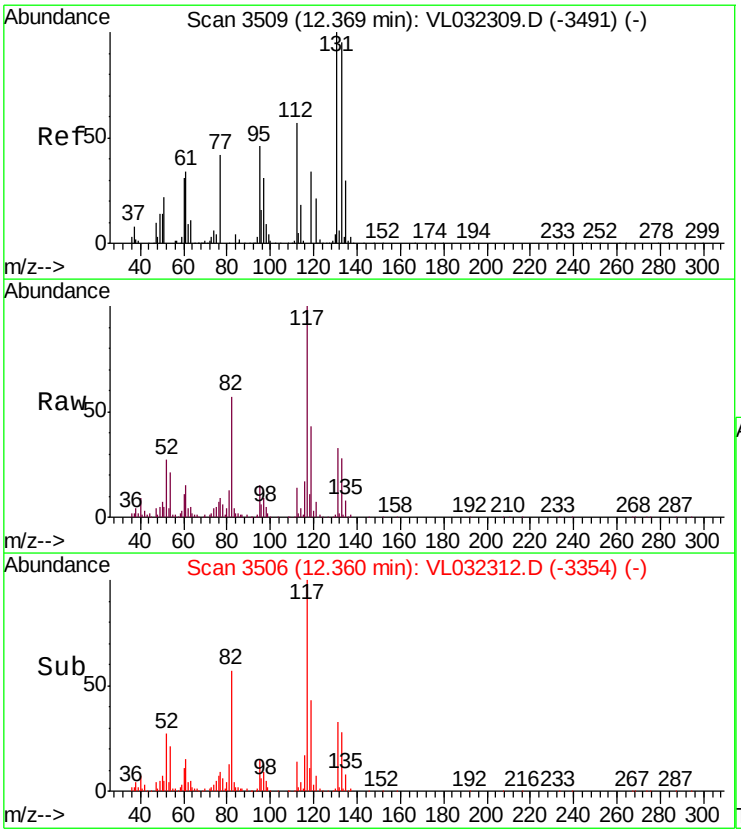
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 5113852

Ion	Ratio	Lower	Upper
117	100		
82	68.3	52.6	78.8
119	33.6	25.7	38.5

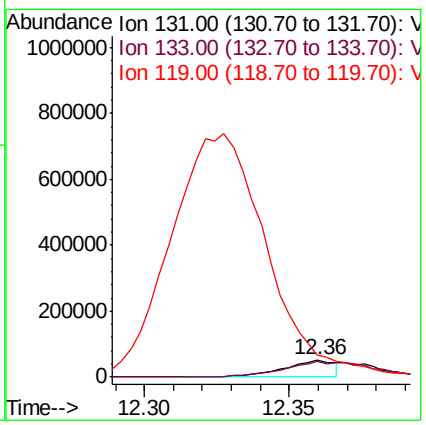


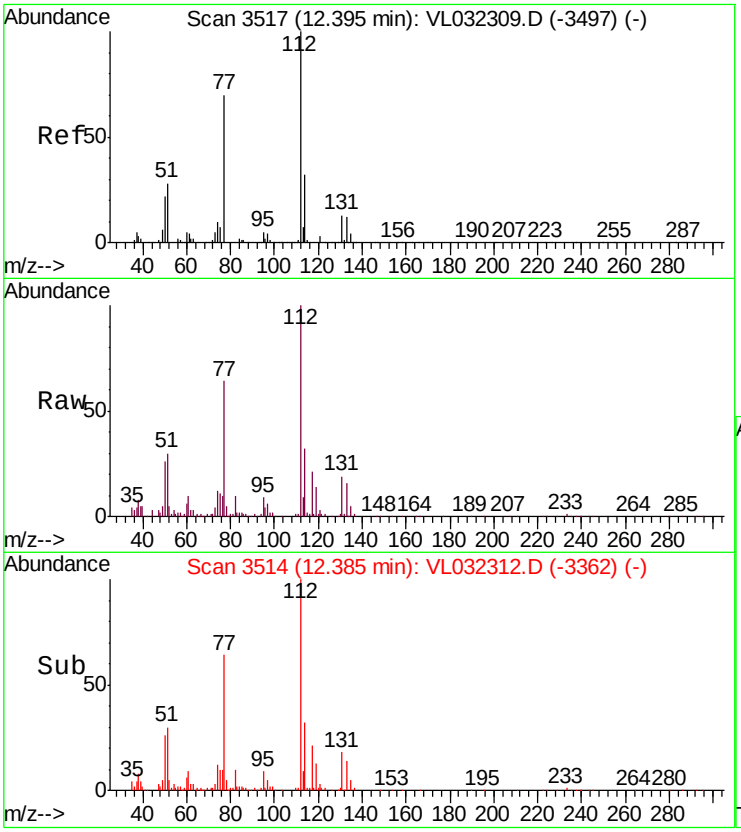


#56
1,1,1,2-Tetrachloroethane
Concen: 0.284 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:131 Resp: 64458

Ion	Ratio	Lower	Upper
131	100		
133	162.3	75.8	113.6#
119	2664.7	48.1	72.1#



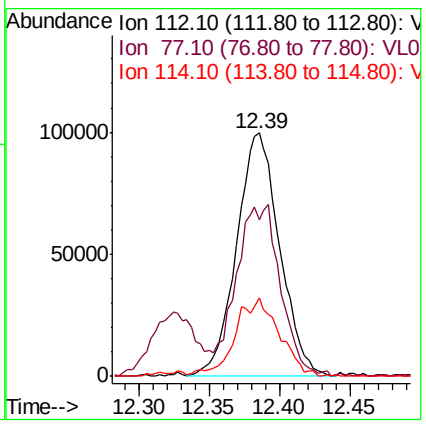


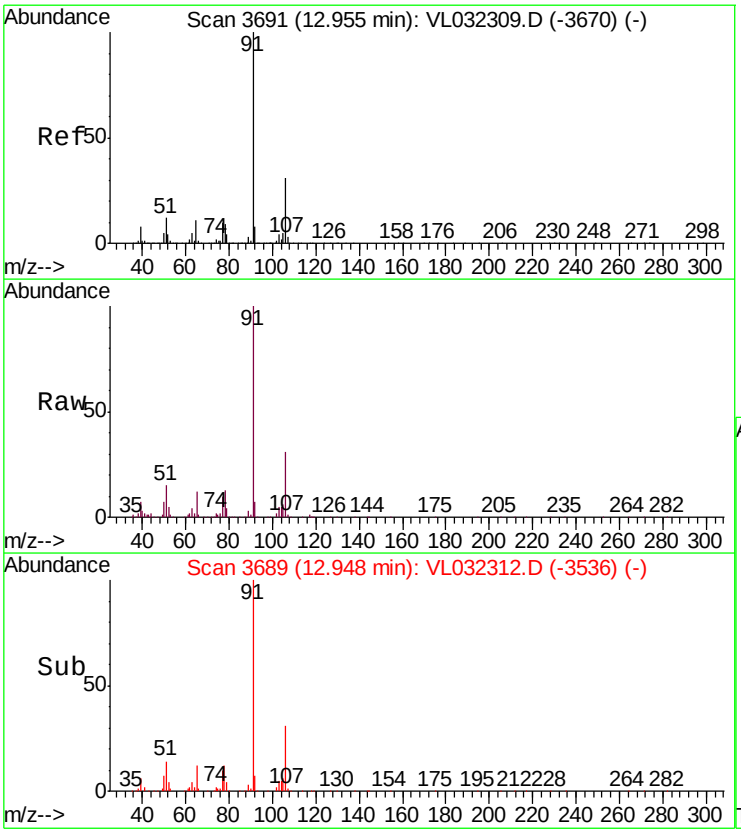
#57
Chlorobenzene
Concen: 0.510 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 213493

Ion	Ratio	Lower	Upper
112	100		
77	63.8	56.5	84.7
114	31.7	28.4	34.7

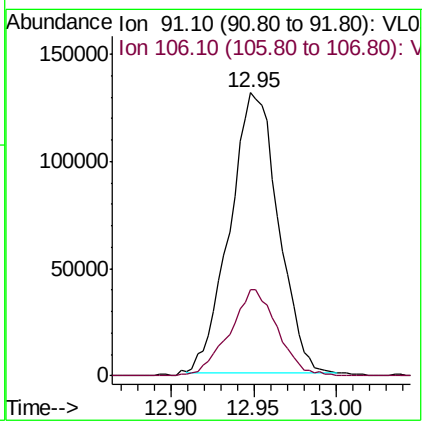


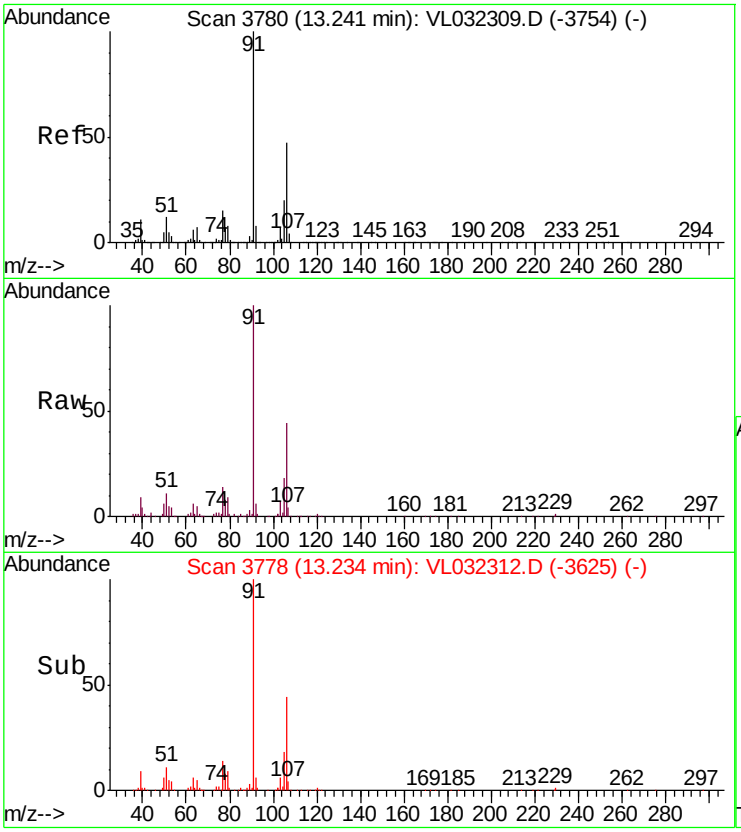


#58
Ethyl Benzene
Concen: 0.376 ppbv
RT: 12.95 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 91 Resp: 266769

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.0	37.4



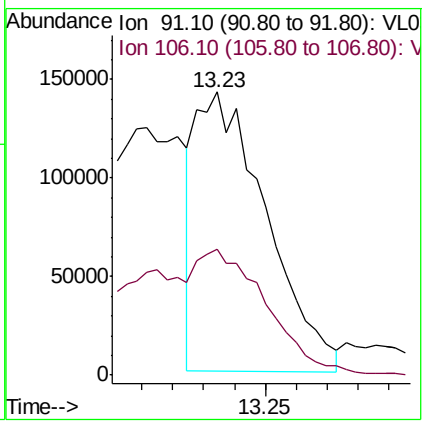


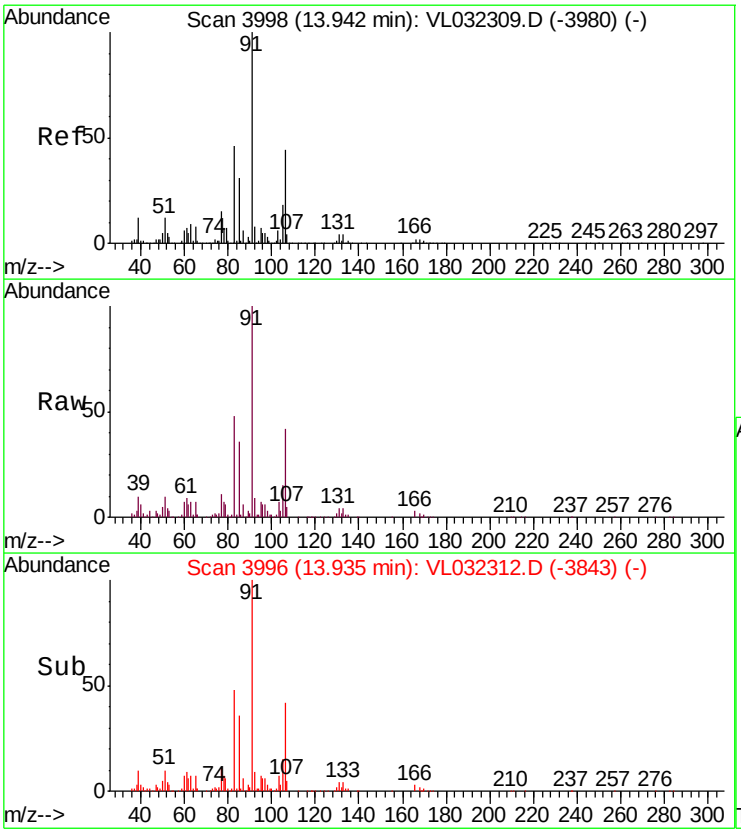
#59
m/p-Xylene
Concen: 0.366 ppbv
RT: 13.23 min Scan# 3778
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 224118

Ion	Ratio	Lower	Upper
91	100		
106	96.9	36.4	54.6#

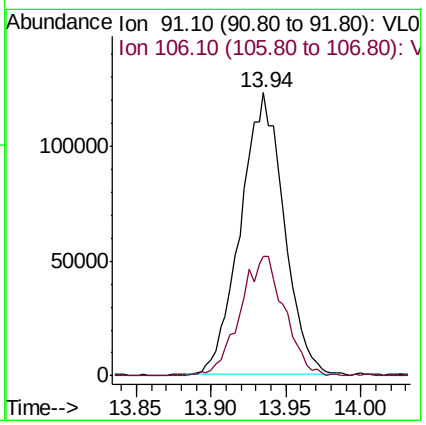


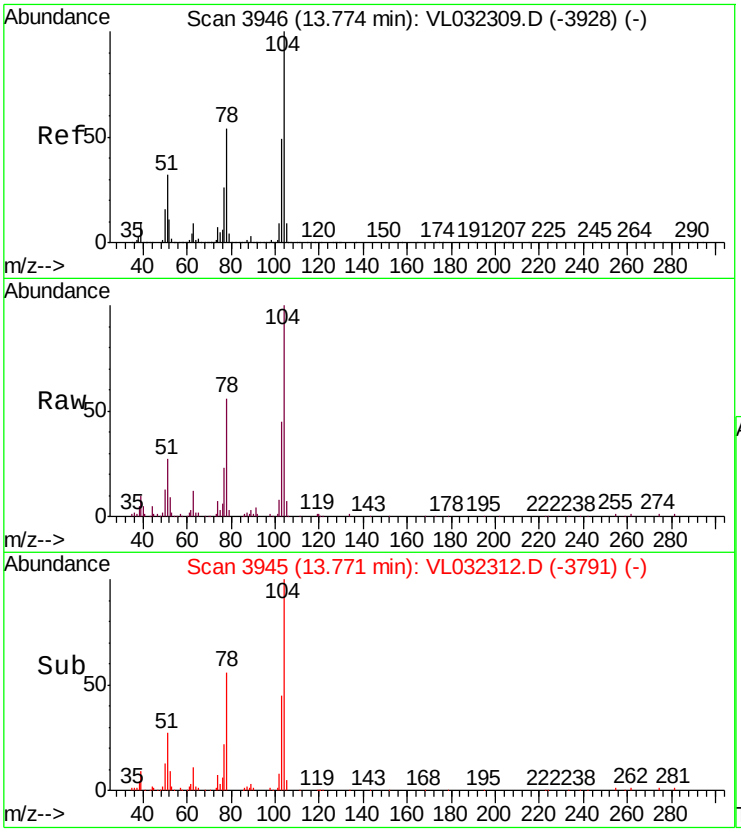


#60
o-Xylene
Concen: 0.403 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 91 Resp: 245587

Ion	Ratio	Lower	Upper
91	100		
106	43.8	22.4	67.0



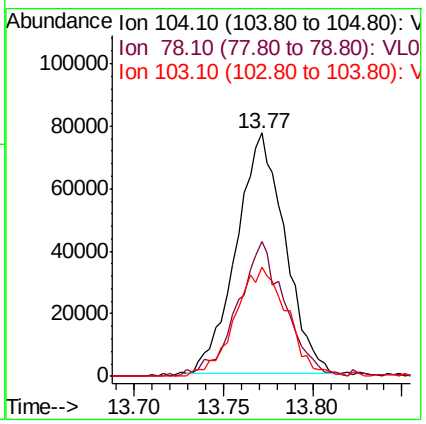


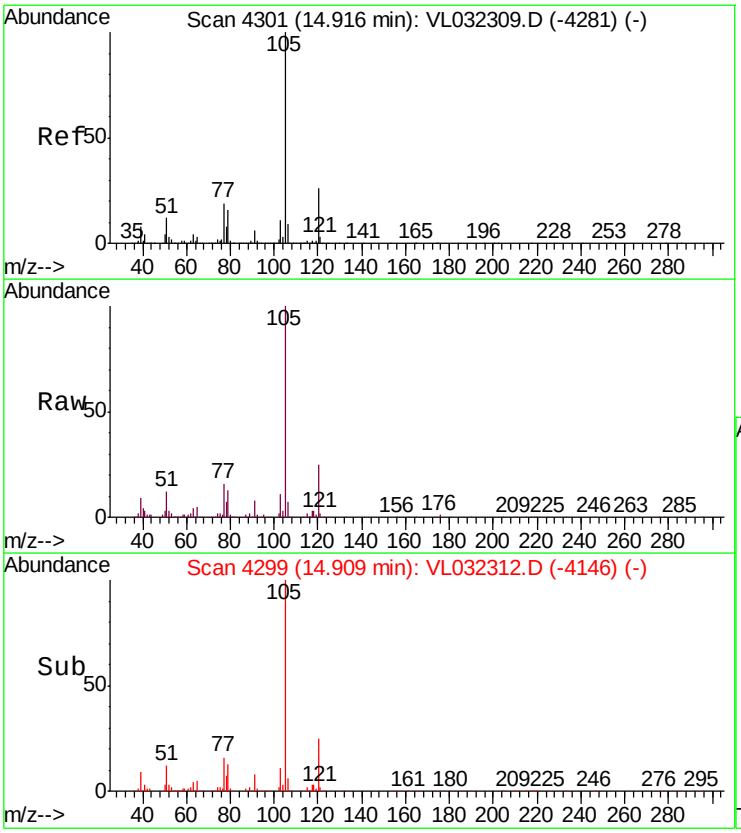
#61
Stvrene
Concen: 0.325 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 145732

Ion	Ratio	Lower	Upper
104	100		
78	56.9	42.6	63.8
103	49.2	38.0	57.0

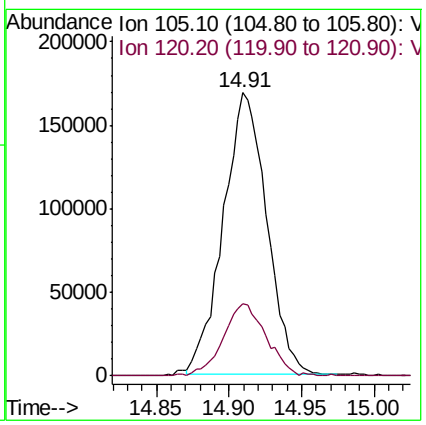


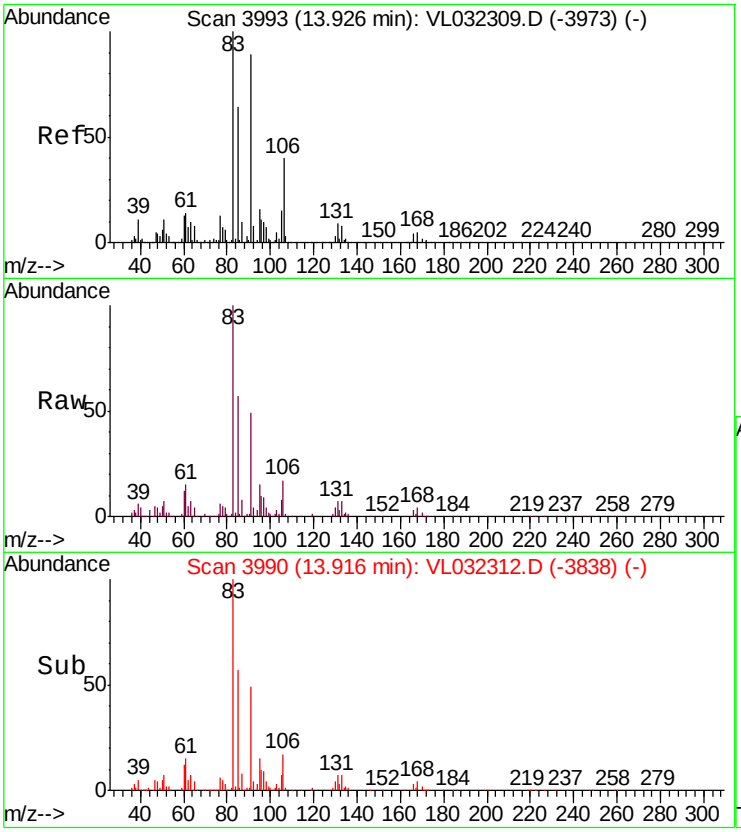


#62
Isopropylbenzene
Concen: 0.409 ppbv
RT: 14.91 min Scan# 4299
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:105 Resp: 352705

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.4	30.6



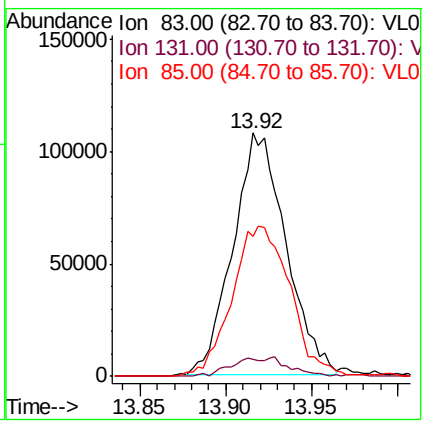


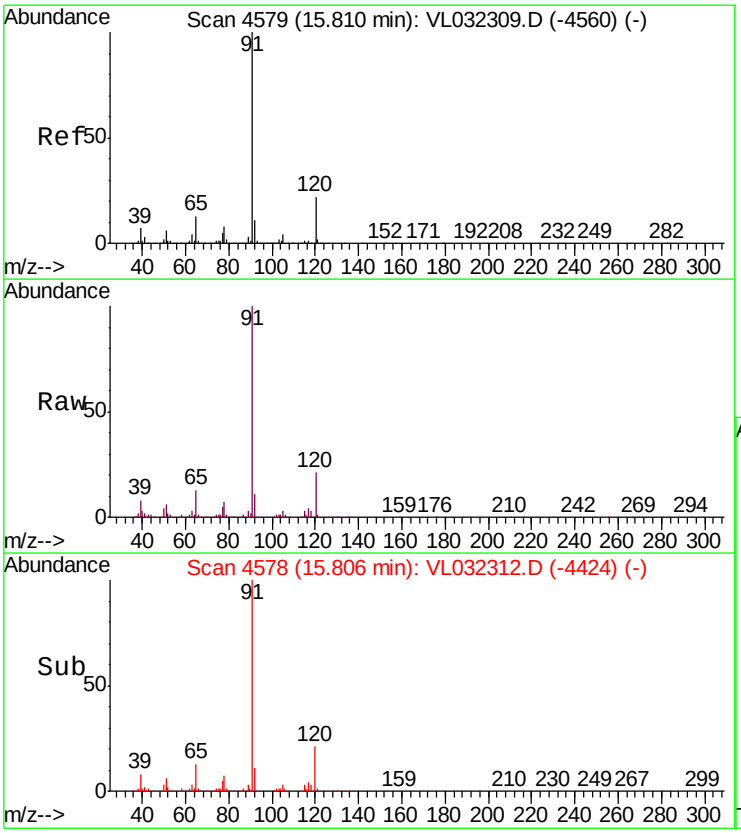
#63
1,1,2,2-Tetrachloroethane
Concen: 0.440 ppbv
RT: 13.92 min Scan# 3990
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 228984

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	68.9	32.6	97.7

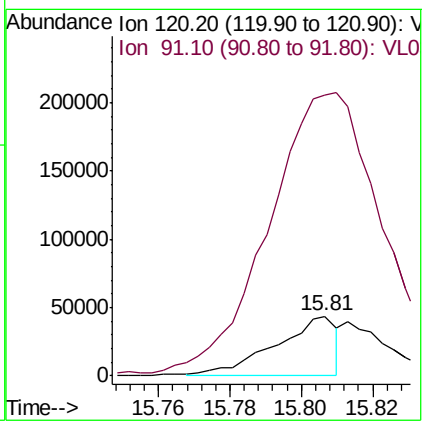


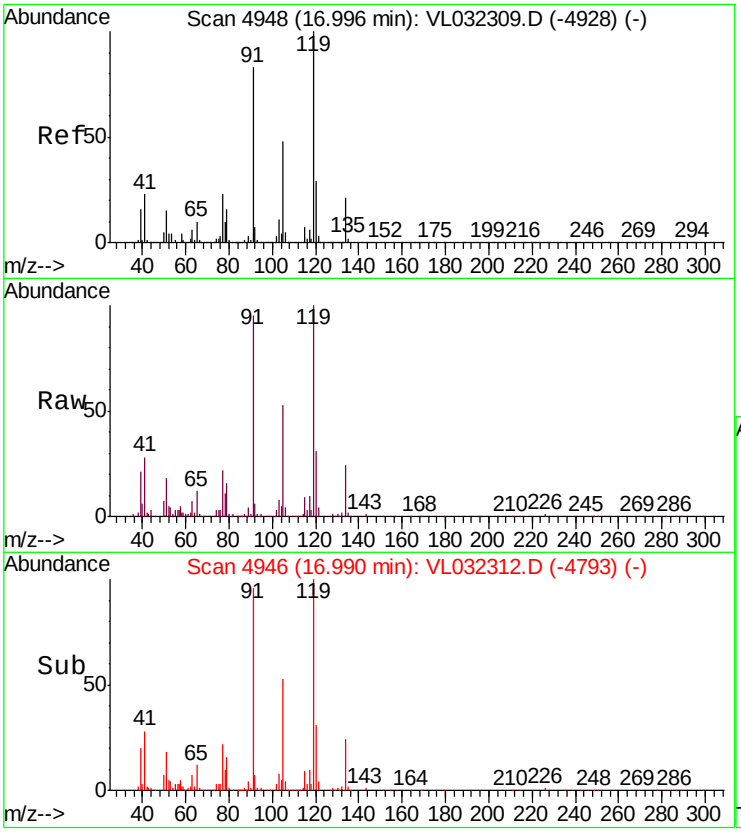


#64
n-propylbenzene
Concen: 0.230 ppbv
RT: 15.81 min Scan# 4578
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:120 Resp: 50999

Ion	Ratio	Lower	Upper
120	100		
91	526.9	381.8	572.8



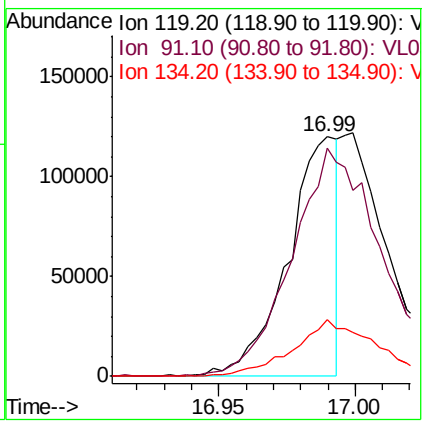


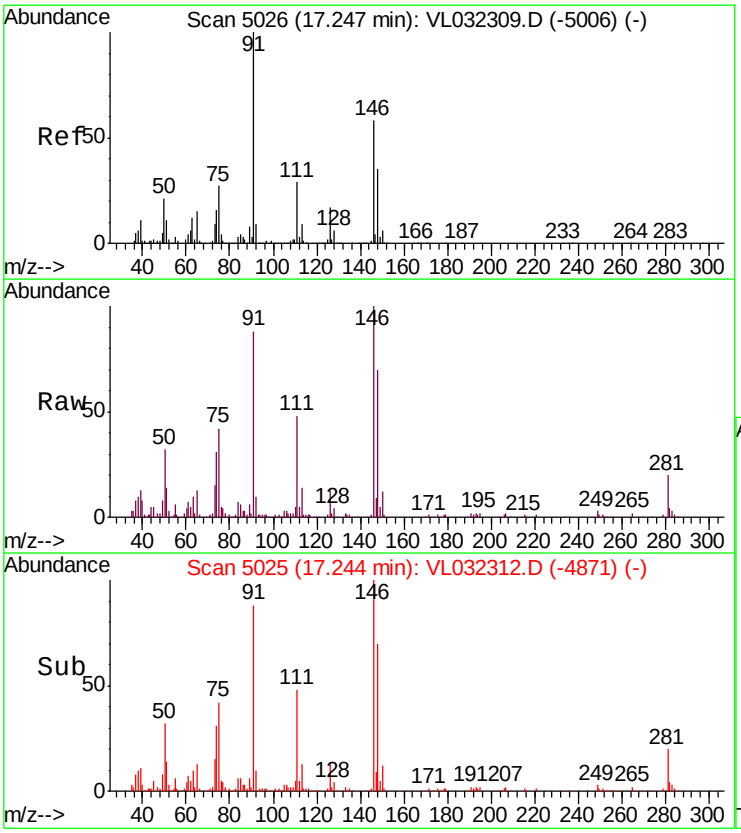
#65
tert-Butylbenzene
Concen: 0.207 ppbv
RT: 16.99 min Scan# 4946
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 152055

Ion	Ratio	Lower	Upper
119	100		
91	174.2	67.5	101.3#
134	39.7	15.8	23.6#

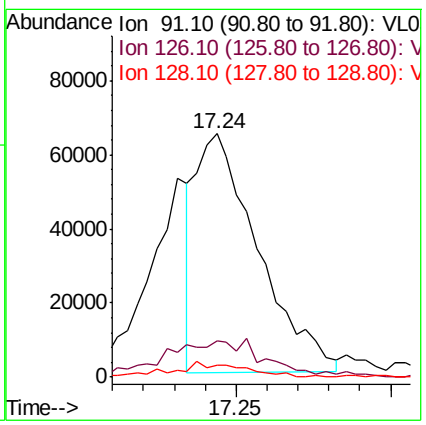


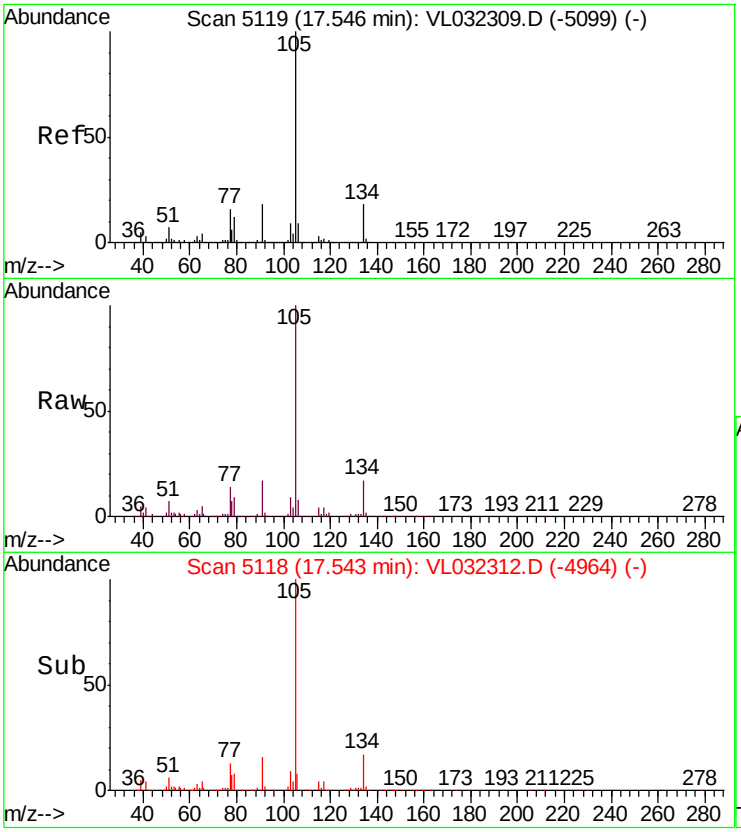


#66
Benzyl Chloride
Concen: 0.217 ppbv
RT: 17.24 min Scan# 5025
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 91 Resp: 89545

Ion	Ratio	Lower	Upper
91	100		
126	28.5	13.7	20.5#
128	7.7	4.3	6.5#



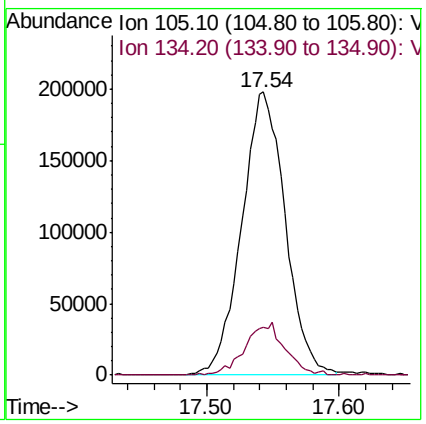


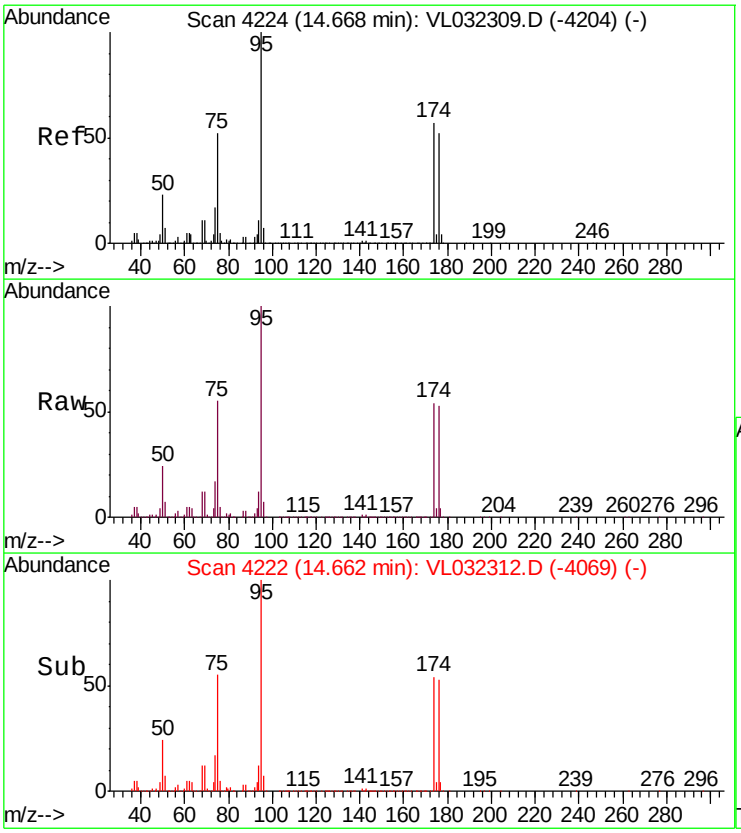
#67
sec-Butylbenzene
Concen: 0.410 ppbv
RT: 17.54 min Scan# 5118
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 450502

Ion	Ratio	Lower	Upper
105	100		
134	17.2	14.2	21.4

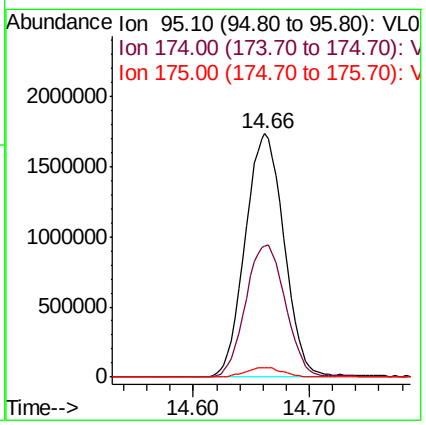


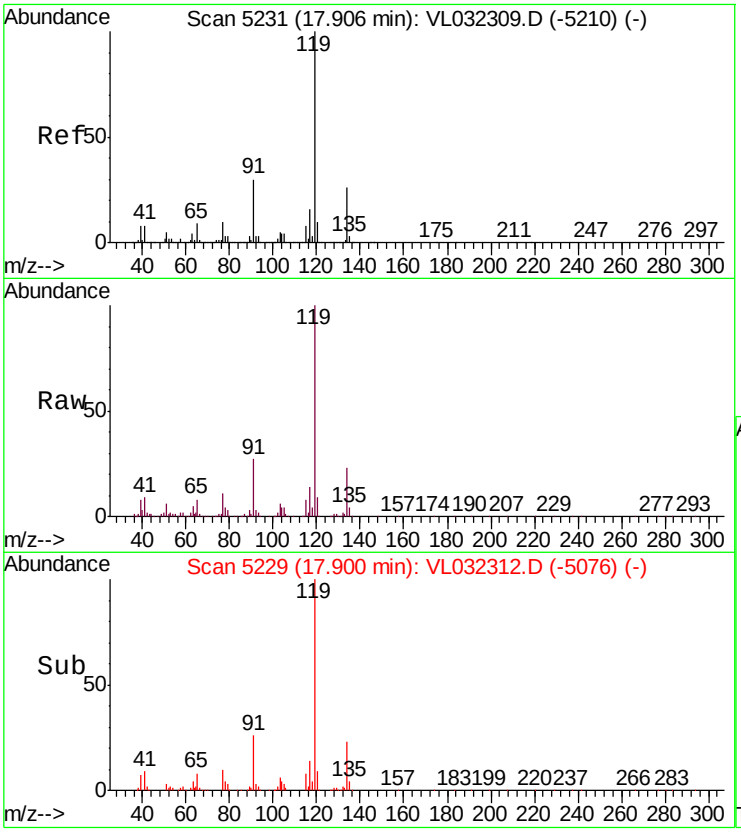


#68
1-Bromo-4-Fluorobenzene
Concen: 9.867 ppbv
RT: 14.66 min Scan# 4222
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 95 Resp: 4037882

Ion	Ratio	Lower	Upper
95	100		
174	56.6	45.5	68.3
175	3.9	3.3	4.9



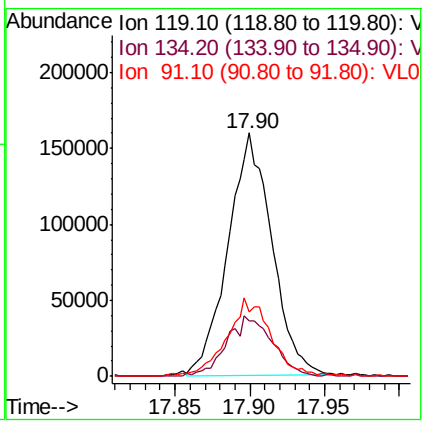


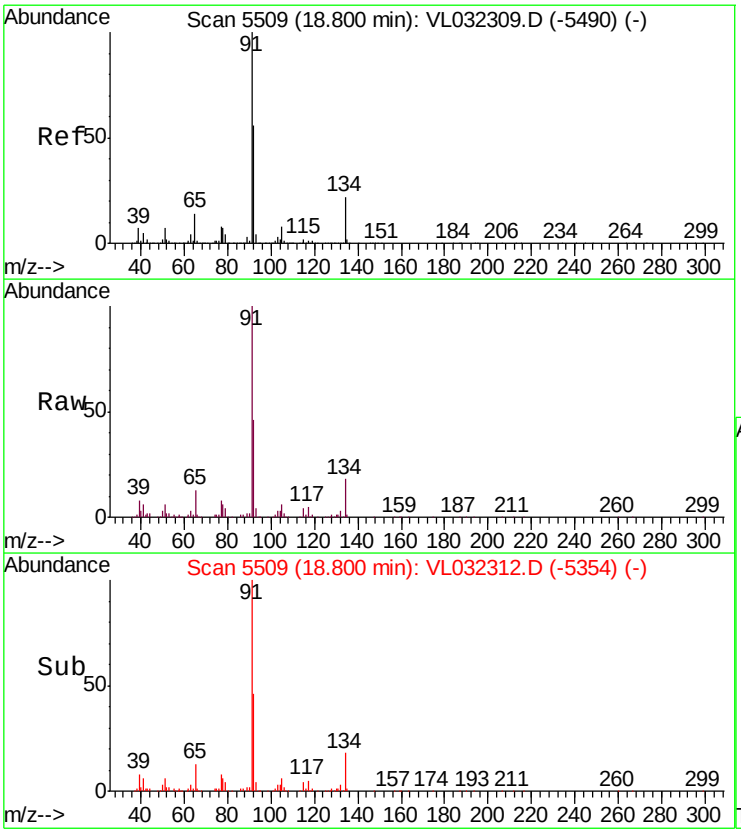
#69
p-Isopropyltoluene
Concen: 0.382 ppbv
RT: 17.90 min Scan# 5229
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 325418

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.3	30.5
91	32.8	23.8	35.6

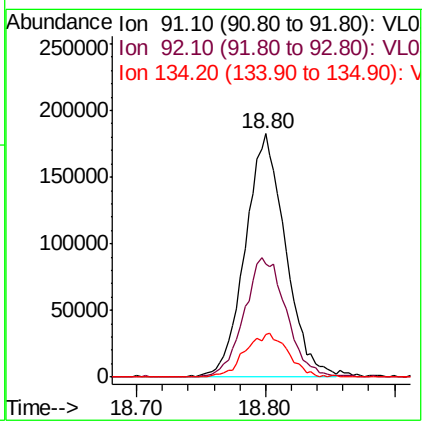


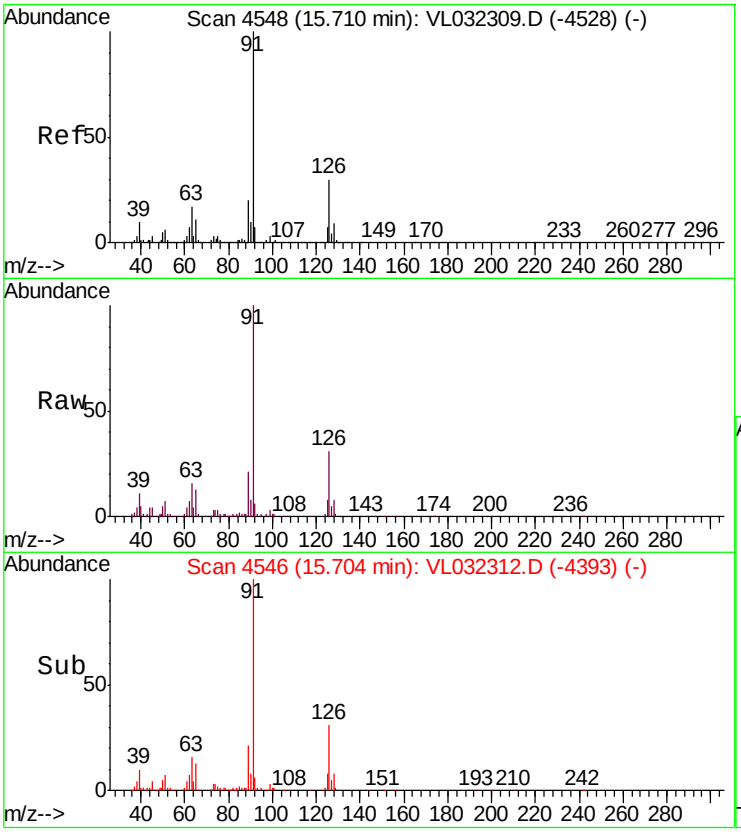


#70
n-Butylbenzene
Concen: 0.416 ppbv
RT: 18.80 min Scan# 5509
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion: 91 Resp: 395875

Ion	Ratio	Lower	Upper
91	100		
92	51.8	44.2	66.4
134	19.4	17.4	26.2



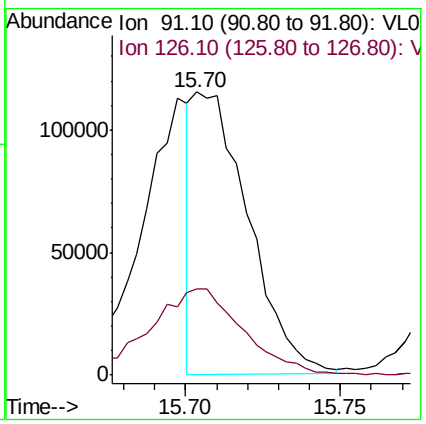


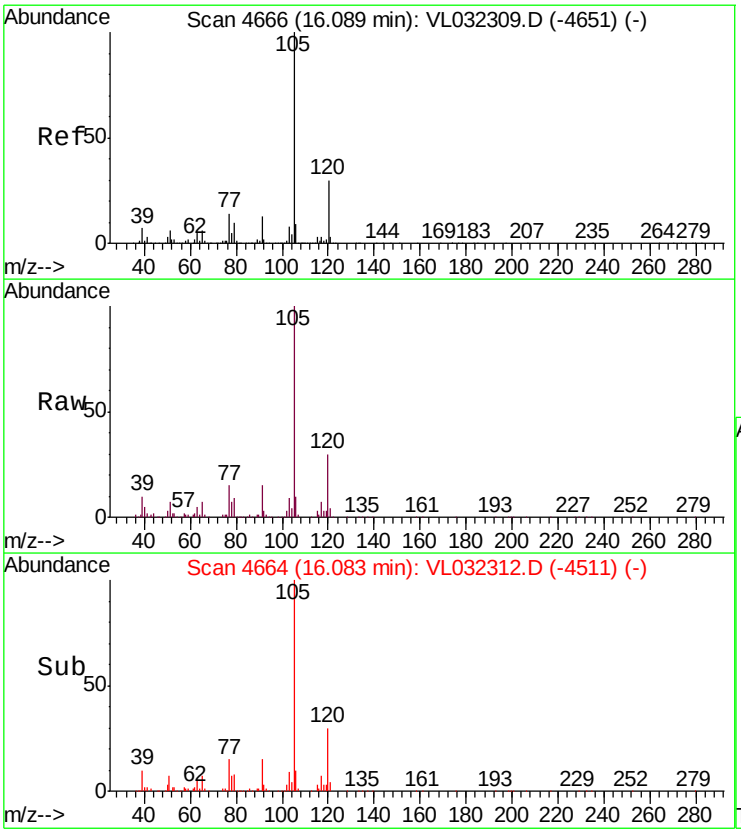
#71
2-Chlorotoluene
Concen: 0.206 ppbv
RT: 15.70 min Scan# 4546
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 141715

Ion	Ratio	Lower	Upper
91	100		
126	54.1	11.8	47.0#

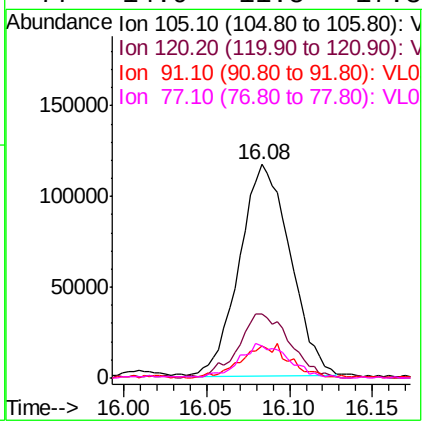


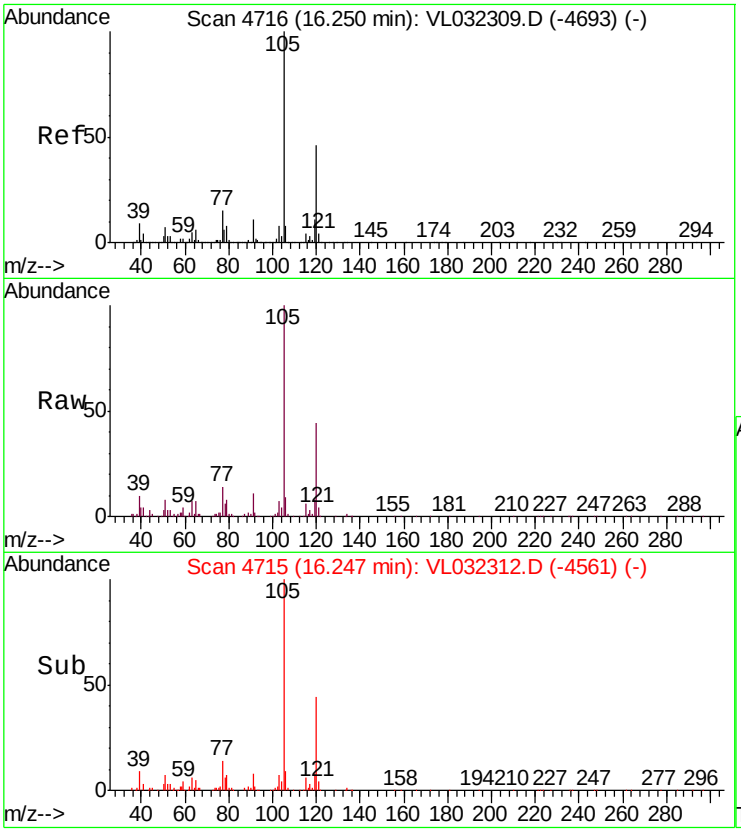


#72
4-Ethyltoluene
Concen: 0.359 ppbv
RT: 16.08 min Scan# 4664
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:105 Resp: 248938

Ion	Ratio	Lower	Upper
105	100		
120	31.2	23.1	34.7
91	16.0	10.0	15.0#
77	14.9	11.5	17.3



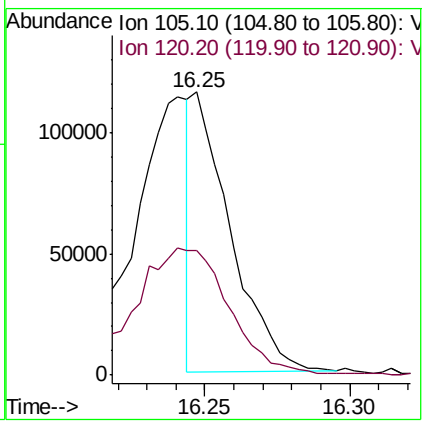


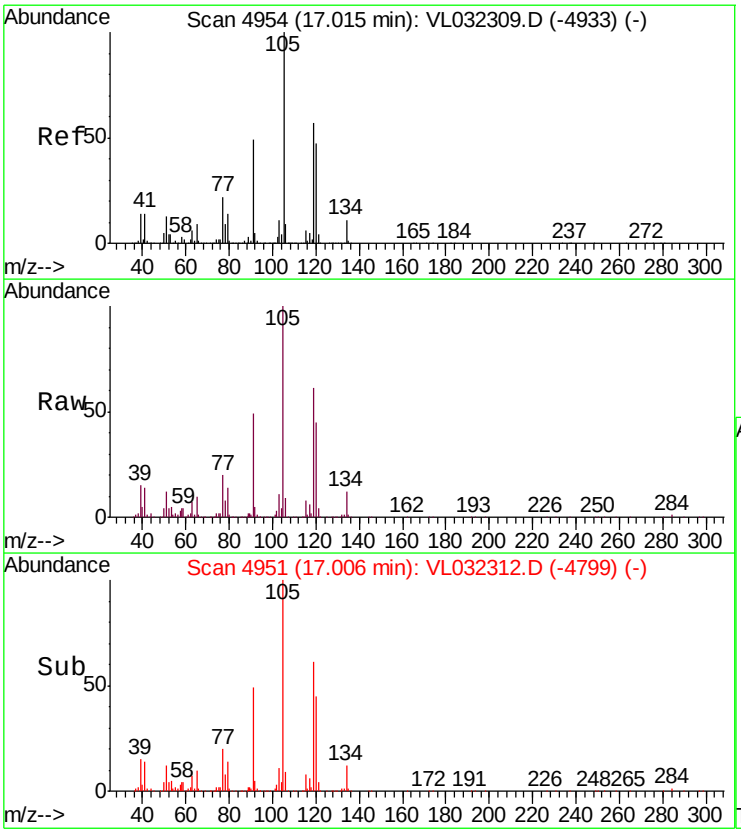
#73
1,3,5-Trimethylbenzene
Concen: 0.155 ppbv
RT: 16.25 min Scan# 4715
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 105190

Ion	Ratio	Lower	Upper
105	100		
120	44.4	36.5	54.7

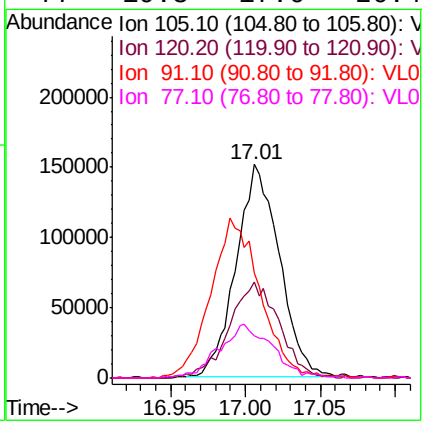


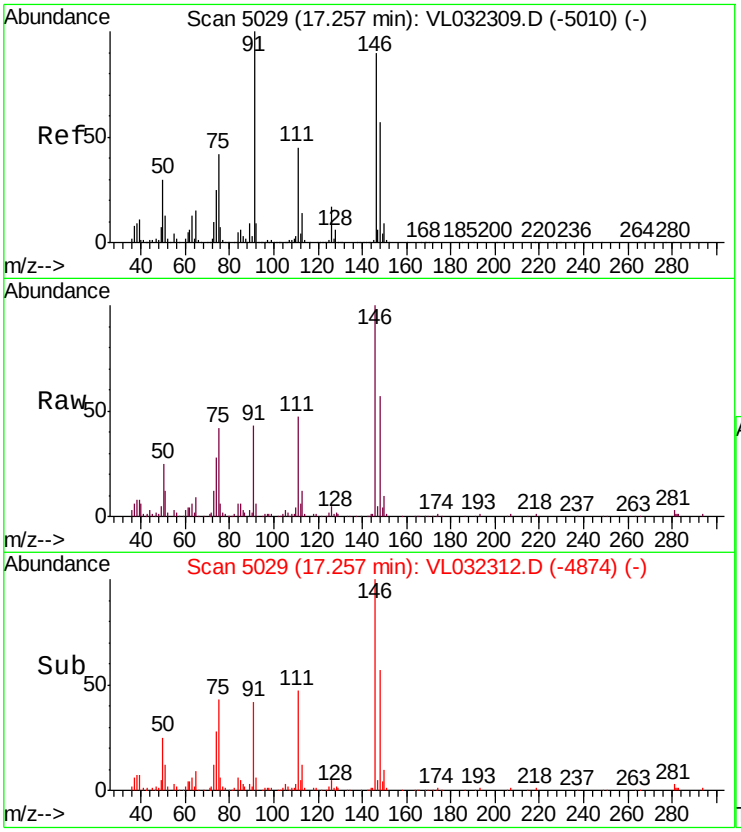


#74
1,2,4-Trimethylbenzene
Concen: 0.425 ppbv
RT: 17.01 min Scan# 4951
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:105 Resp: 303347

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.8	56.6
91	48.6	39.4	59.0
77	19.3	17.6	26.4



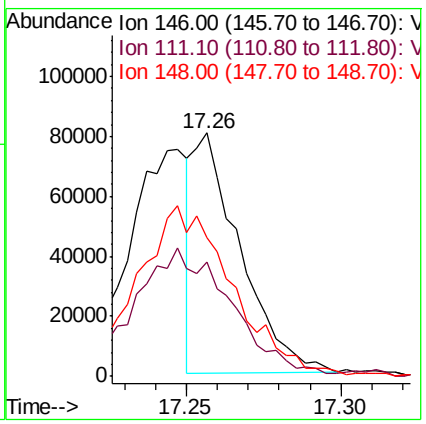


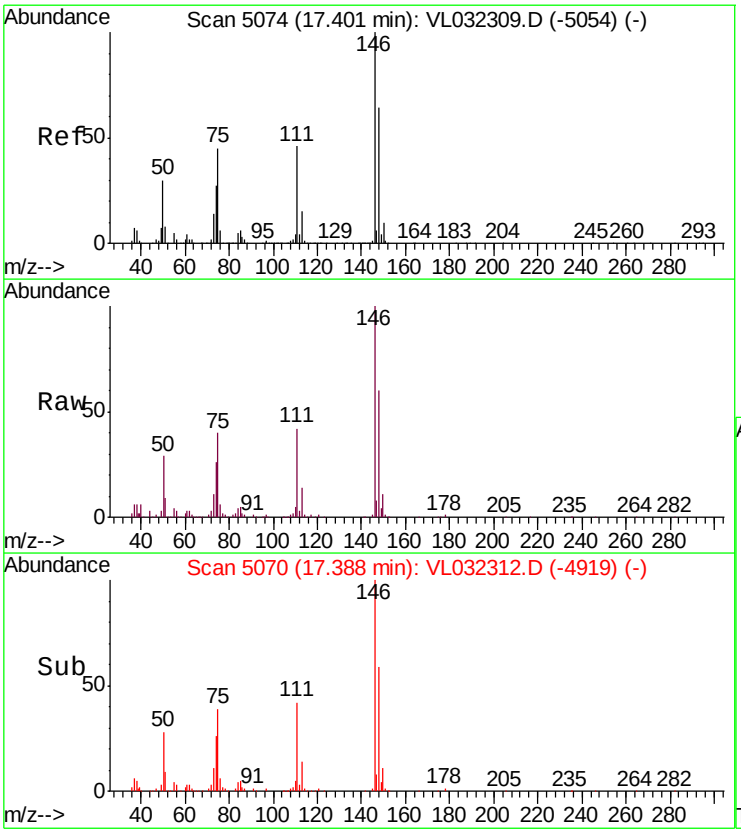
#75
1,3-Dichlorobenzene
Concen: 0.210 ppbv
RT: 17.26 min Scan# 5029
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 83521

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	31.6	95.0#

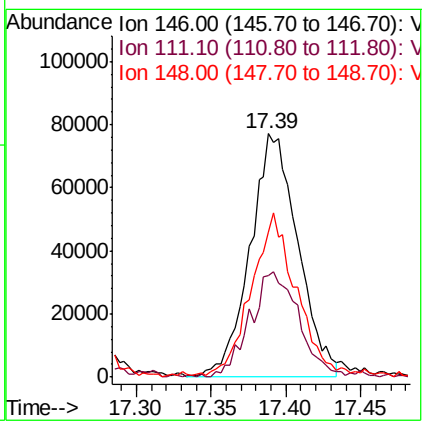


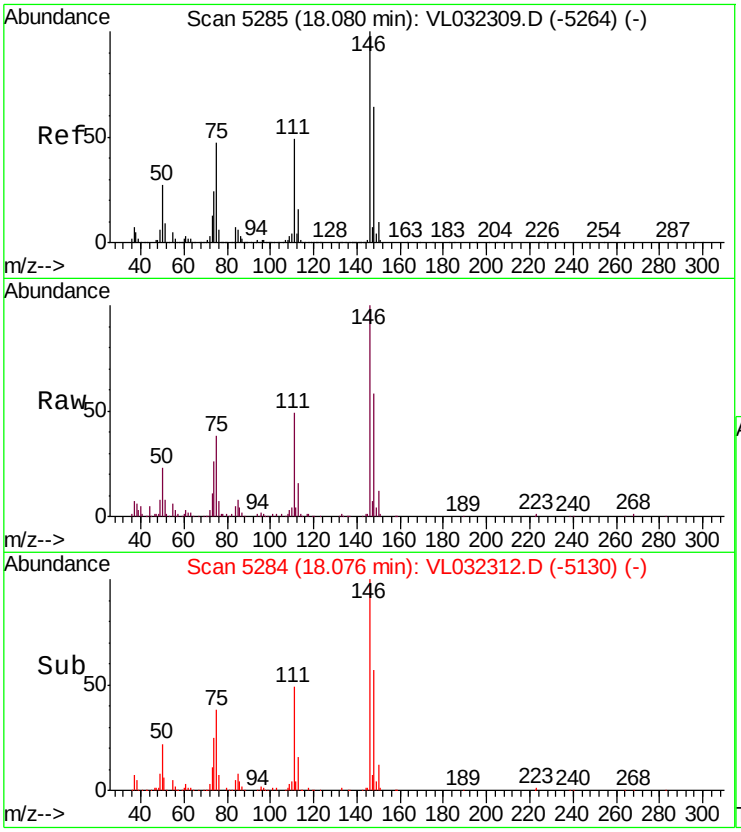


#76
1,4-Dichlorobenzene
Concen: 0.431 ppbv
RT: 17.39 min Scan# 5070
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:146 Resp: 169786

Ion	Ratio	Lower	Upper
146	100		
111	44.2	23.6	70.8
148	67.3	32.1	96.3



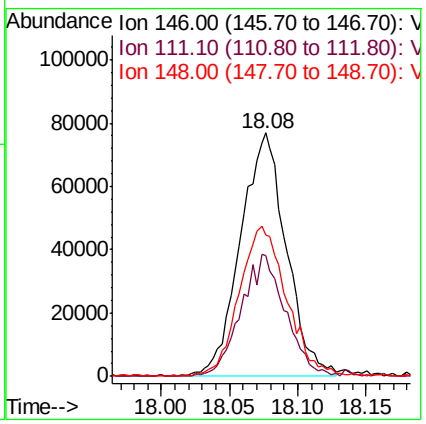


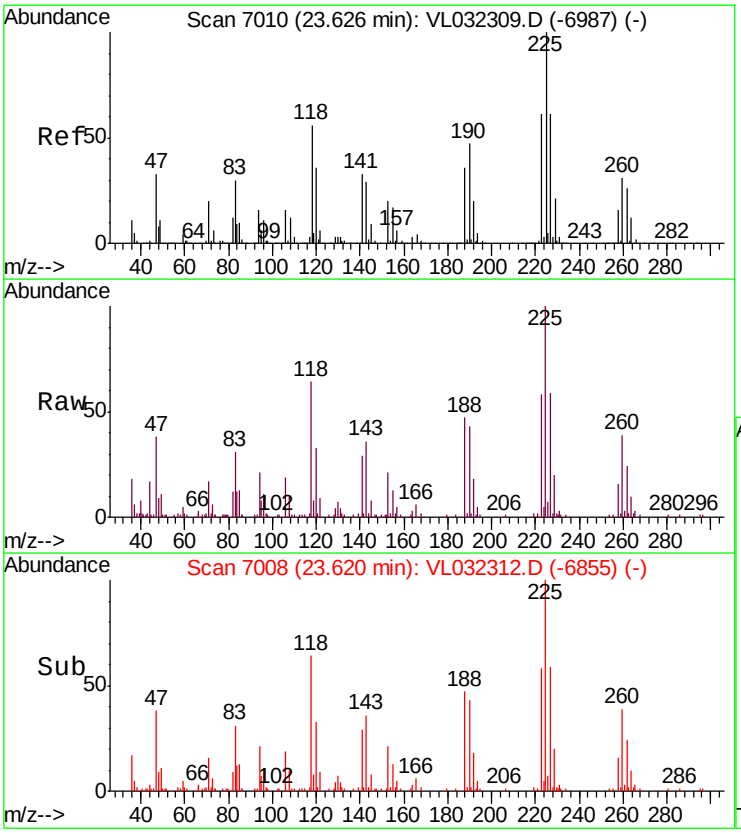
#77
1,2-Dichlorobenzene
Concen: 0.461 ppbv
RT: 18.08 min Scan# 5284
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 177561

Ion	Ratio	Lower	Upper
146	100		
111	49.3	25.1	75.3
148	64.6	31.9	95.7

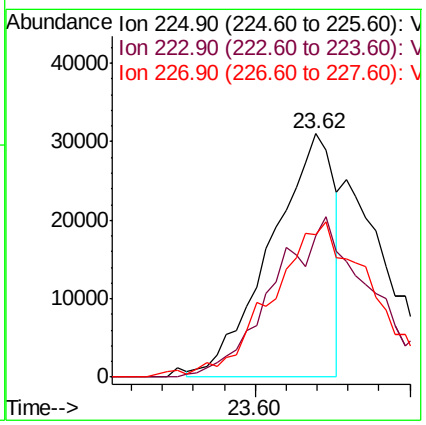


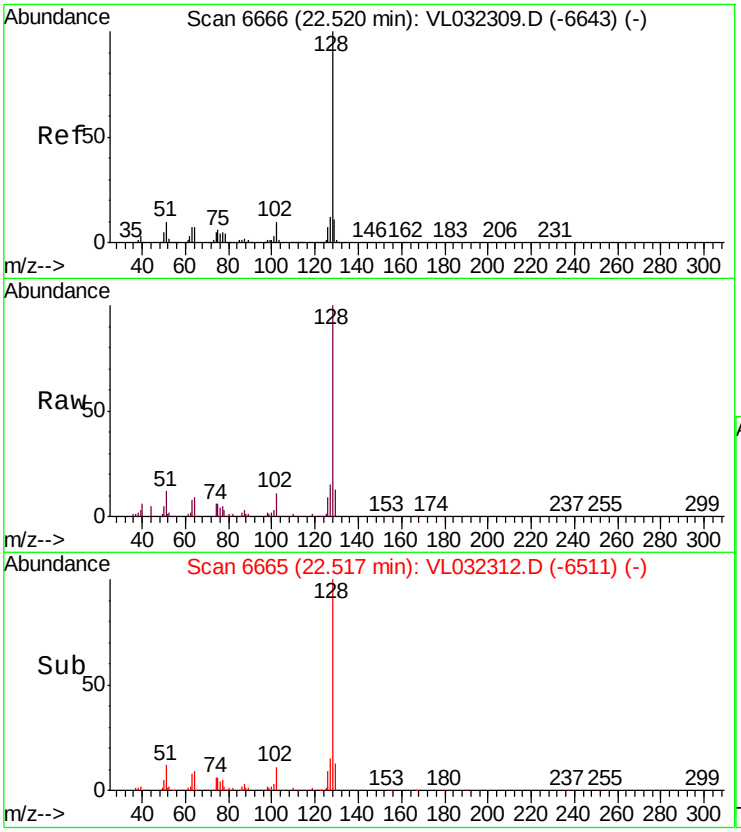


#78
Hexachloro-1,3-Butadiene
Concen: 0.349 ppbv
RT: 23.62 min Scan# 7008
Delta R.T. -0.01 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:225 Resp: 44193

Ion	Ratio	Lower	Upper
225	100		
223	100.4	50.5	75.7#
227	100.3	51.3	76.9#



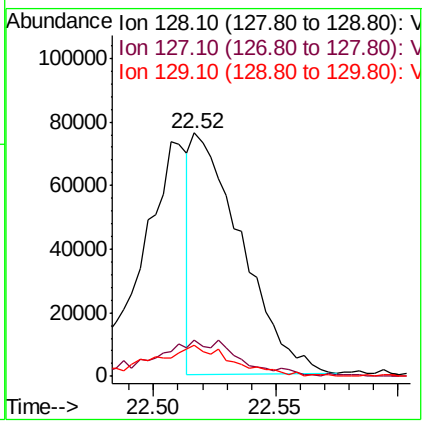


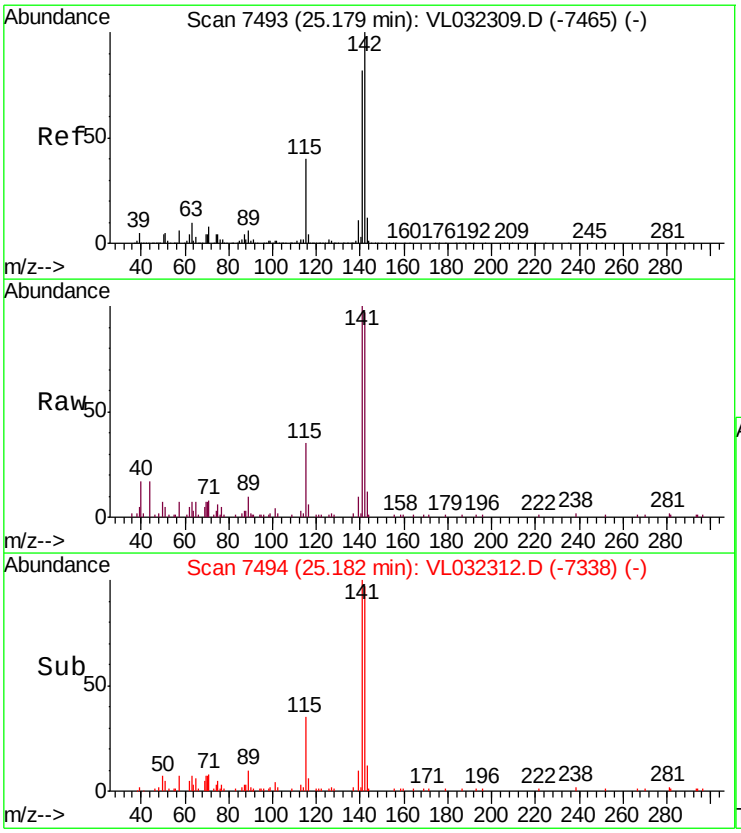
#79
Naphthalene
Concen: 0.177 ppbv
RT: 22.52 min Scan# 6665
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 106860

Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	13.2	8.8	13.2

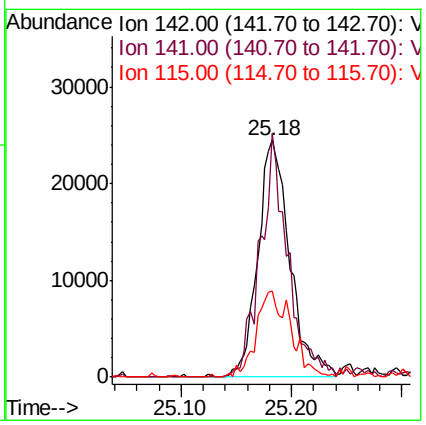


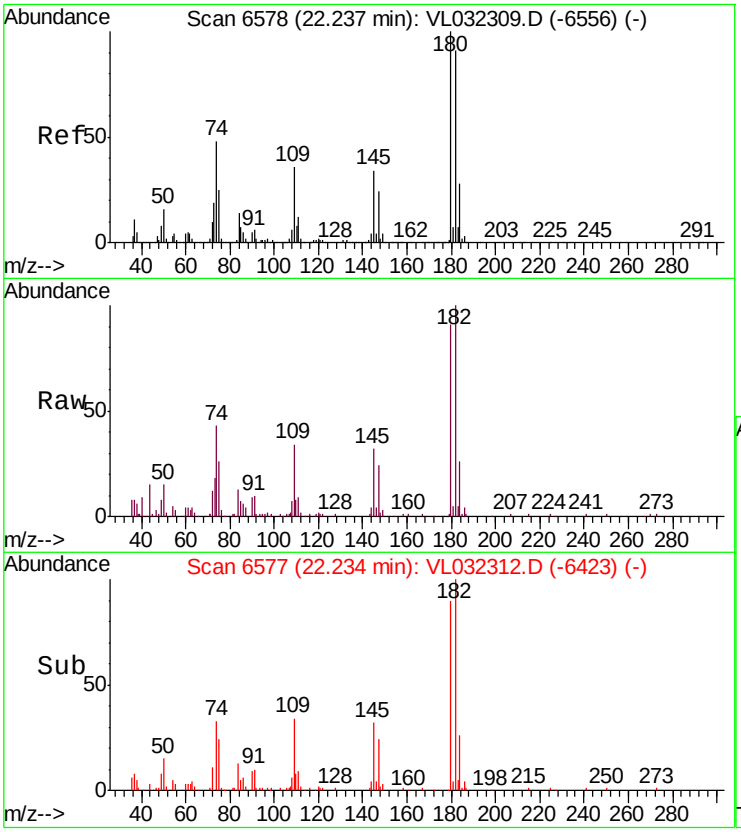


#80
Naphthalene,2-methyl-
Concen: 0.191 ppbv
RT: 25.18 min Scan# 7494
Delta R.T. 0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Tgt Ion:142 Resp: 49194

Ion	Ratio	Lower	Upper
142	100		
141	87.9	66.7	100.1
115	39.2	31.1	46.7





#81
1,2,4-Trichlorobenzene
Concen: 0.071 ppbv
RT: 22.23 min Scan# 6577
Delta R.T. -0.00 min
Lab File: VL032312.D
Acq: 27 Jul 2018 2:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 21099

Ion	Ratio	Lower	Upper
180	100		
182	537.4	76.2	114.2#
184	177.2	24.3	36.5#