Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032432.D
Acq On : 31 Aug 2018 1:11
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 31 04:26:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2157543	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4237559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4260596	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.63	95	3079753	9.70	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	617529	3.196	ppbv	99
3) Chlorodifluoromethane	3.05	51	406760	2.178	ppbv	99
4) Chloromethane	3.20	50	250565	2.190	ppbv	93
5) Vinyl Chloride	3.32	62	225419	2.227	ppbv	96
6) Bromomethane	3.55	94	125387	2.037	ppbv	95
7) Chloroethane	3.63	64	83731	2.105	ppbv	95
8) Dichlorotetrafluoroethane	3.25	85	514572	2.168	ppbv	100
9) Propene	3.07	41	163970	2.221	ppbv	100
10) Heptane	8.30	43	609485	2.284	ppbv	99
11) Trichlorofluoromethane	4.04	101	506139	2.090	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.59	101	355675	2.198	ppbv	97
13) Ethanol	3.69	45	28194	1.179	ppbv #	37
14) Bromoethene	3.82	108	141458	2.014	ppbv	96
15) Acetone	3.94	43	404096	1.964	ppbv	99
16) 1,3-Butadiene	3.40	39	193121	2.250	ppbv	91
17) tert-Butyl alcohol	4.40	59	29511	0.874	ppbv #	76
18) 1,1-Dichloroethene	4.39	96	159538	2.149	ppbv	94
19) Isopropyl Alcohol	4.07	45	241511	1.862	ppbv #	96
20) Methylene Chloride	4.45	84	151886	1.988	ppbv	97
21) Allyl Chloride	4.52	41	263107	2.026	ppbv	99
22) trans-1,2-Dichloroethene	5.01	96	158754	1.982	ppbv	97
23) Vinyl Acetate	5.20	43	681988	2.151	ppbv	98
24) 1,1-Dichloroethane	5.13	63	546408	2.148	ppbv	99
25) Ethyl Acetate	5.82	43	965262	2.221	ppbv	100
26) Hexane	5.83	57	439140	2.255	ppbv	96
27) Carbon Disulfide	4.66	76	393624	2.106	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	527002	2.194	ppbv	99
29) Chloroform	5.89	83	661766	2.200	ppbv	92
30) Cyclohexane	7.30	84	300995	2.093	ppbv #	80
31) cis-1,2-Dichloroethene	5.68	61	385719	2.170	ppbv	97
32) 1,1,1-Trichloroethane	6.67	97	587201	2.261	ppbv	99
34) 2-Butanone	5.38	43	607862	2.254	ppbv	100
35) Carbon Tetrachloride	7.18	117	575187	2.192	ppbv	99
36) Benzene	7.05	78	762551	2.174	ppbv	98
37) 1,2-Dichloroethane	6.46	62	461736	2.124	ppbv	100
38) Trichloroethene	8.01	130	286274	2.443	ppbv	94
39) 1,2-Dichloropropane	7.78	63	324616	2.203	ppbv	94
40) 1,4-Dioxane	8.03	88	86013	1.958	ppbv #	50
41) Tetrahydrofuran	6.21	42	329447	2.282	ppbv	99
42) Bromodichloromethane	7.96	83	651773	2.194	ppbv	99
43) Methyl Methacrylate	8.19	69	329144	2.278	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032432.D
Acq On : 31 Aug 2018 1:11
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 31 04:26:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	1525791	2.330	ppbv		99
45) t-1,3-Dichloropropene	9.47	75	342828	1.997	ppbv		100
46) cis-1,3-Dichloropropene	8.89	75	439866	2.094	ppbv		99
47) 1,1,2-Trichloroethane	9.67	97	359173	2.276	ppbv		100
48) Dibromochloromethane	10.51	129	479845	2.158	ppbv		99
49) Bromoform	13.25	173	426535	2.184	ppbv		99
50) 4-Methyl-2-Pentanone	8.93	43	943529	2.256	ppbv		99
51) 2-Hexanone	10.33	43	612858	2.219	ppbv	#	96
52) Tetrachloroethene	11.43	164	236465	2.349	ppbv		96
53) Toluene	10.00	91	893664	2.432	ppbv		99
54) 1,2-Dibromoethane	10.82	107	445175	1.953	ppbv		91
56) 1,1,1,2-Tetrachloroethane	12.34	131	401587	2.190	ppbv	#	1
57) Chlorobenzene	12.36	112	718571	2.201	ppbv		96
58) Ethyl Benzene	12.92	91	1137001	2.340	ppbv		97
59) m/p-Xylene	13.20	91	841765	1.945	ppbv	#	3
60) o-Xylene	13.90	91	1011195	2.432	ppbv		100
61) Styrene	13.74	104	643334	2.302	ppbv		99
62) Isopropylbenzene	14.88	105	1388857	2.359	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.89	83	838405	2.308	ppbv		100
64) n-propylbenzene	15.78	120	361492	2.349	ppbv		89
65) tert-Butylbenzene	16.96	119	1239017	2.451	ppbv		98
66) Benzyl Chloride	17.21	91	644927	2.057	ppbv		100
67) sec-Butylbenzene	17.51	105	1841779	2.450	ppbv		99
69) p-Isopropyltoluene	17.87	119	1456171	2.526	ppbv		99
70) n-Butylbenzene	18.76	91	1662698	2.601	ppbv		97
71) 2-Chlorotoluene	15.67	91	1078127	2.396	ppbv		98
72) 4-Ethyltoluene	16.05	105	1090619	2.407	ppbv		98
73) 1,3,5-Trimethylbenzene	16.21	105	1102505	2.547	ppbv		97
74) 1,2,4-Trimethylbenzene	16.98	105	1216000	2.603	ppbv		98
75) 1,3-Dichlorobenzene	17.22	146	679489	2.281	ppbv		98
76) 1,4-Dichlorobenzene	17.36	146	638748	2.332	ppbv		99
77) 1,2-Dichlorobenzene	18.05	146	681385	2.381	ppbv		99
78) Hexachloro-1,3-Butadiene	23.59	225	114874	0.930	ppbv	#	18
79) Naphthalene	22.48	128	1001372	3.224	ppbv		99
80) Naphthalene,2-methyl-	25.16	142	239191	2.942	ppbv		99
81) 1,2,4-Trichlorobenzene	22.20	180	501087	2.974	ppbv		99

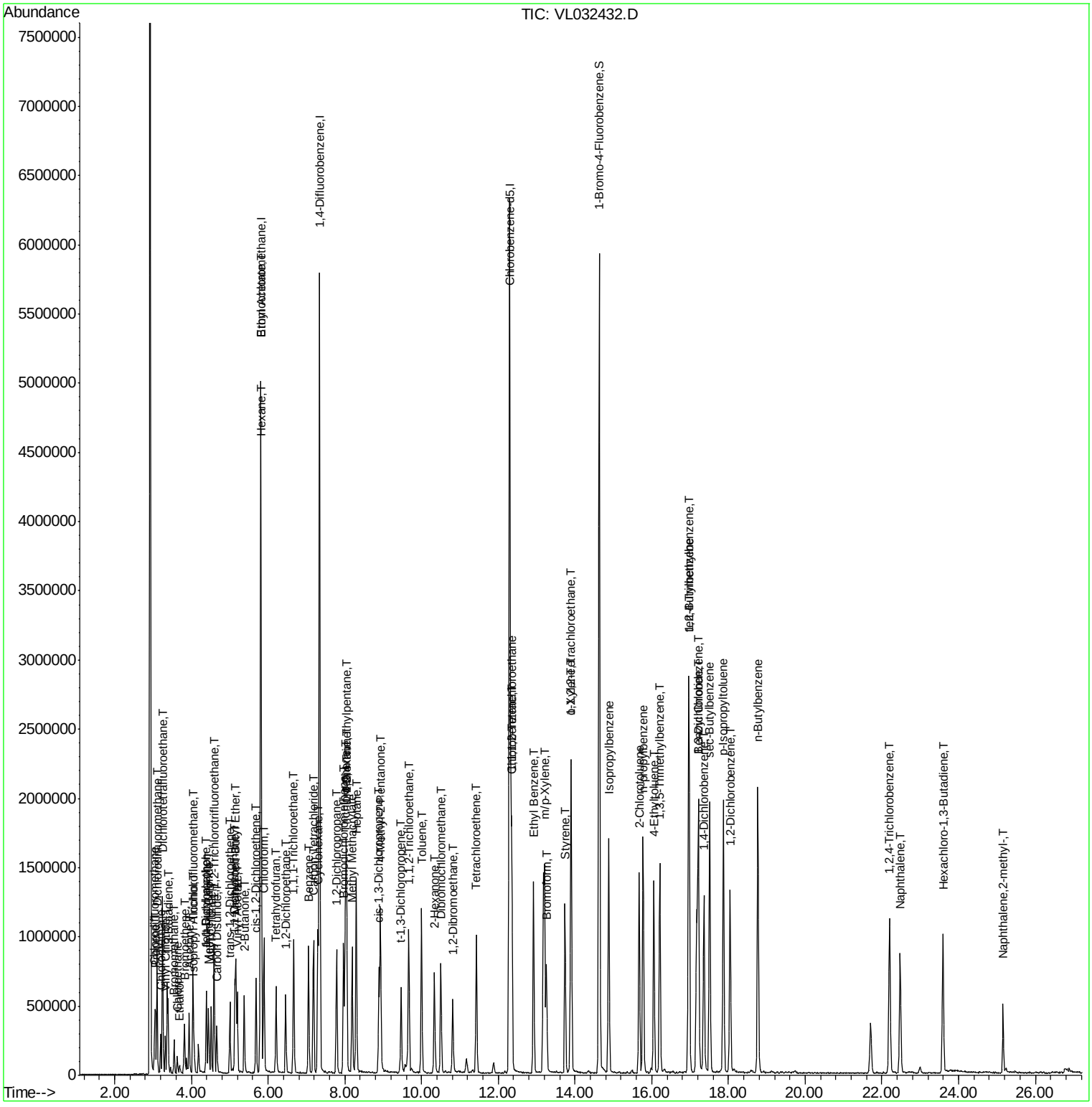
(#) = qualifier out of range (m) = manual integration (+) = signals summed

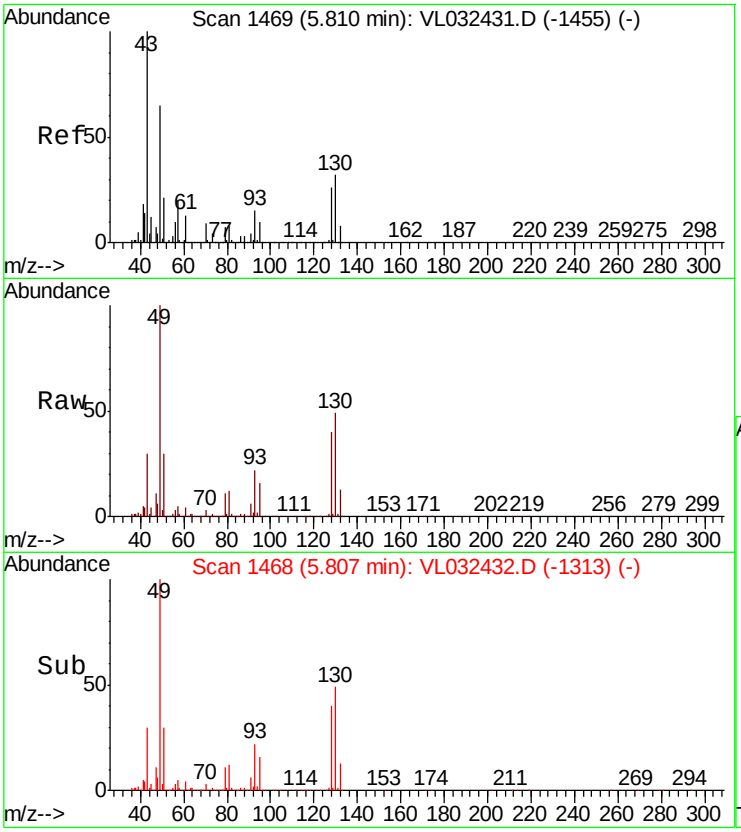
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032432.D
Acq On : 31 Aug 2018 1:11
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 31 04:26:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration



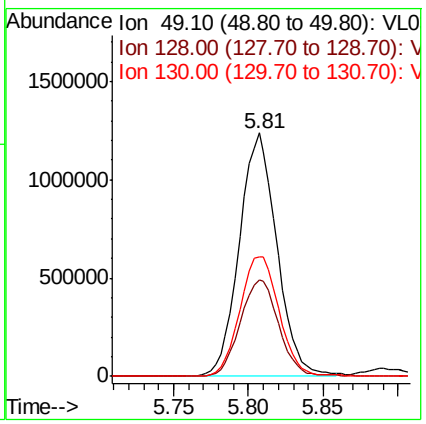


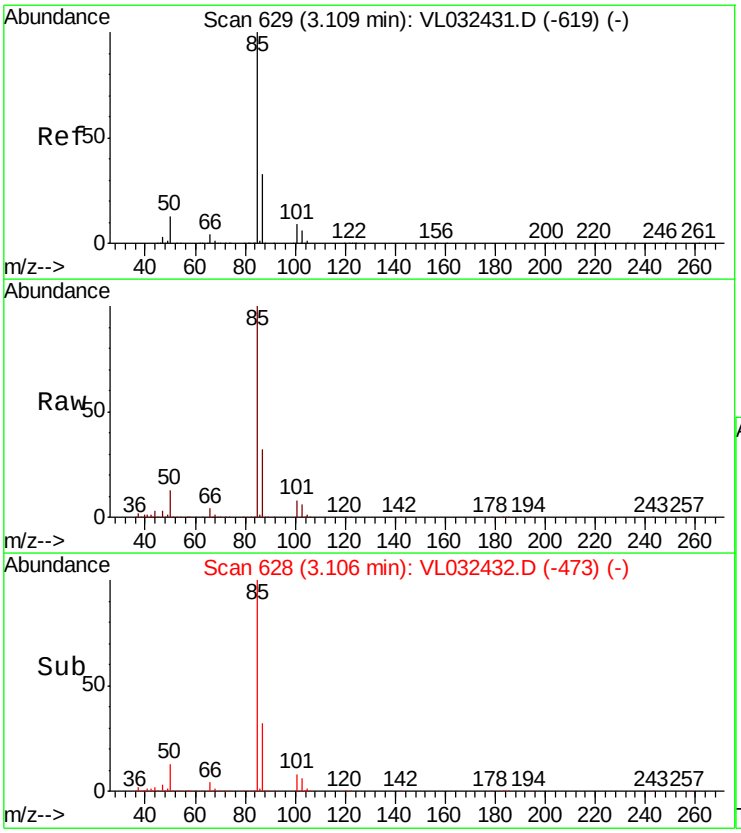
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 2157543

Ion	Ratio	Lower	Upper
49	100		
128	41.1	20.7	62.1
130	52.1	26.7	80.0

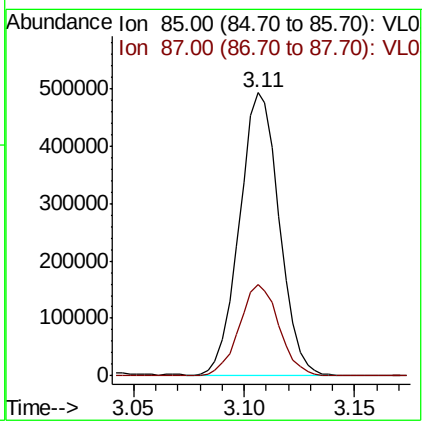


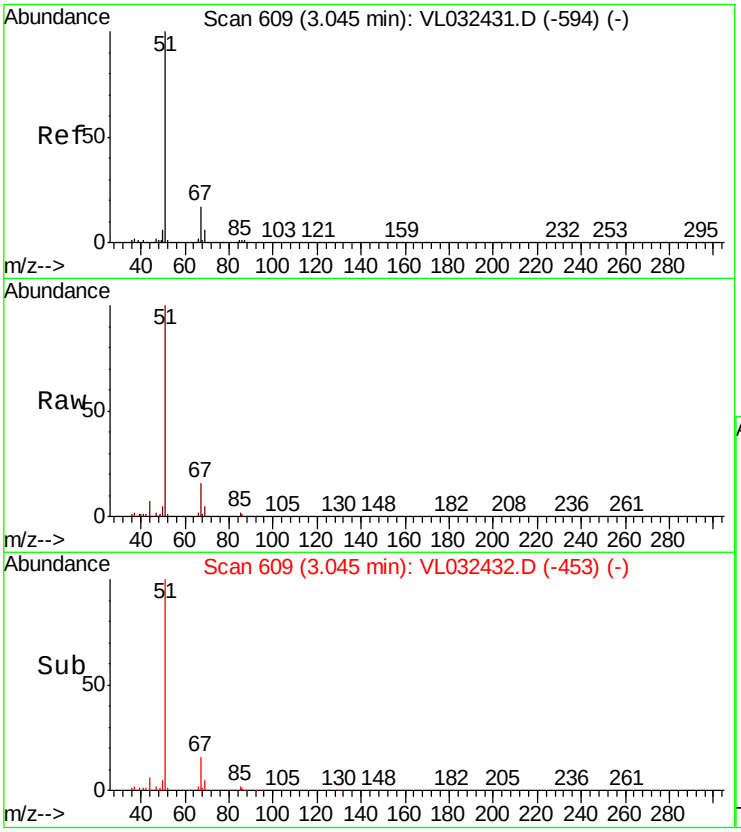


#2
Dichlorodifluoromethane
Concen: 3.196 ppbv
RT: 3.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 85 Resp: 617529

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.2	39.4



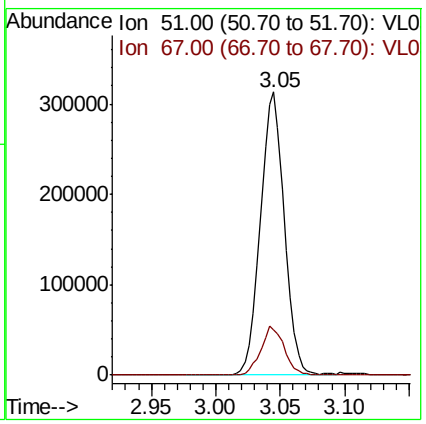


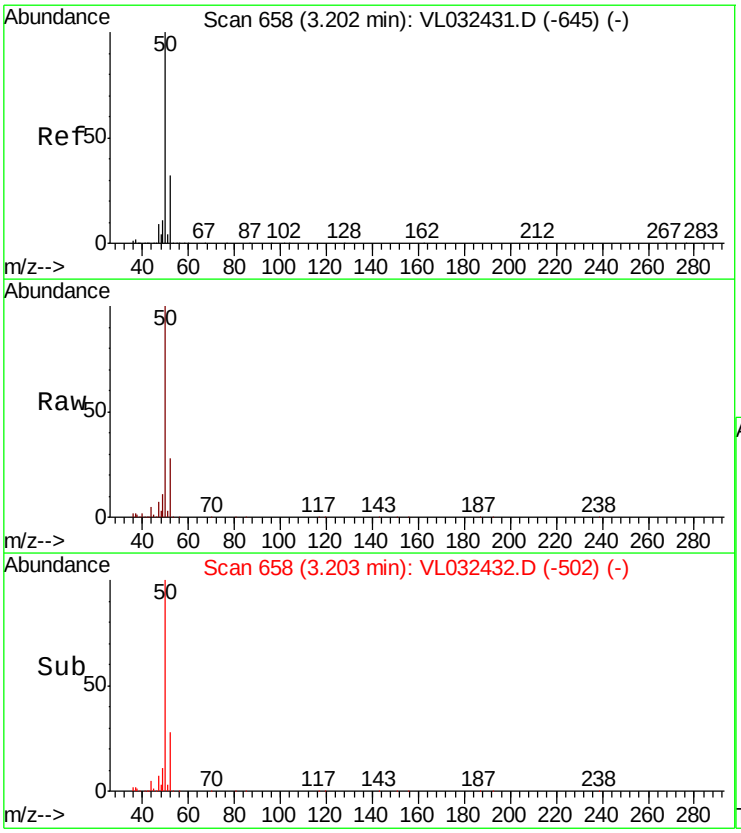
#3
Chlorodifluoromethane
Concen: 2.178 ppbv
RT: 3.05 min Scan# 609
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 406760

Ion	Ratio	Lower	Upper
51	100		
67	16.9	13.8	20.8

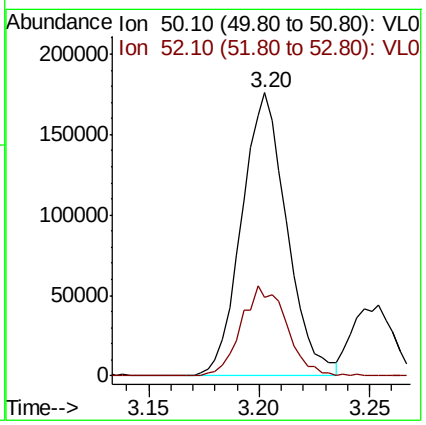


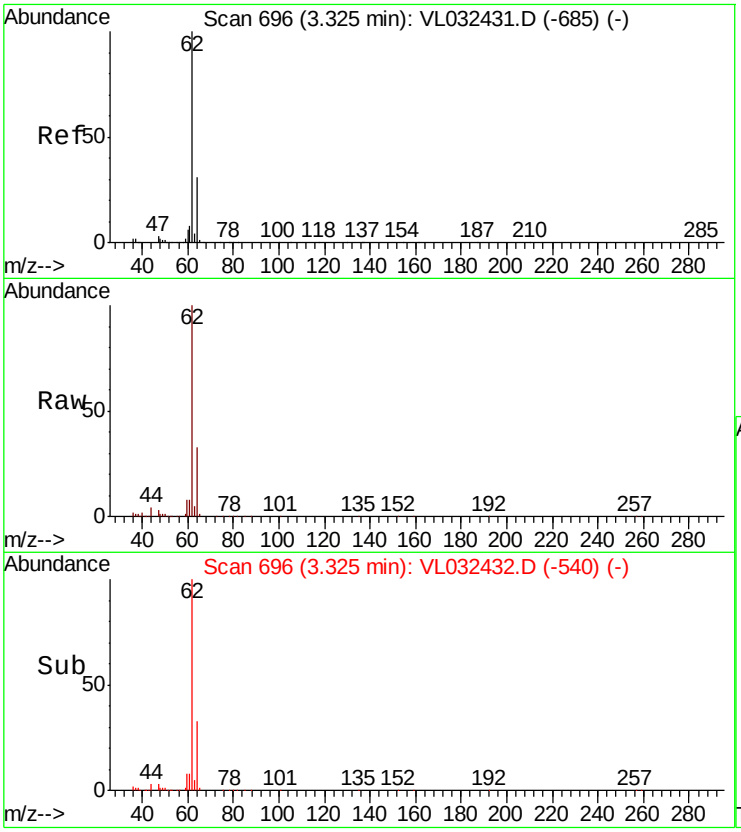


#4
Chloromethane
Concen: 2.190 ppbv
RT: 3.20 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 50 Resp: 250565

Ion	Ratio	Lower	Upper
50	100		
52	27.9	25.6	38.4



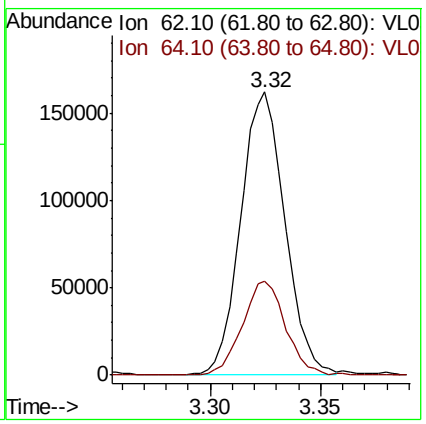


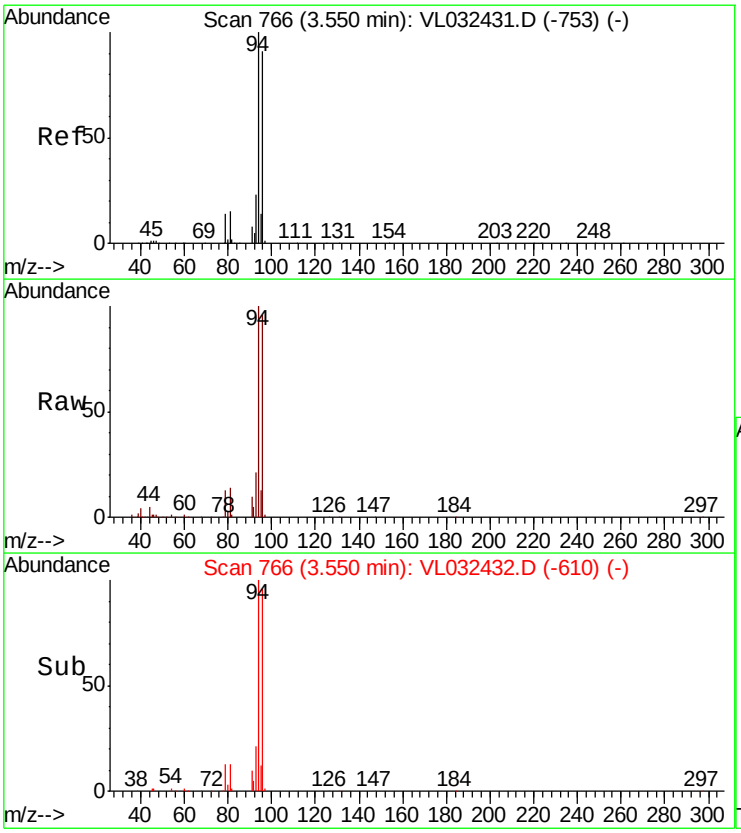
#5
Vinyl Chloride
Concen: 2.227 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 225419

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.0	37.6

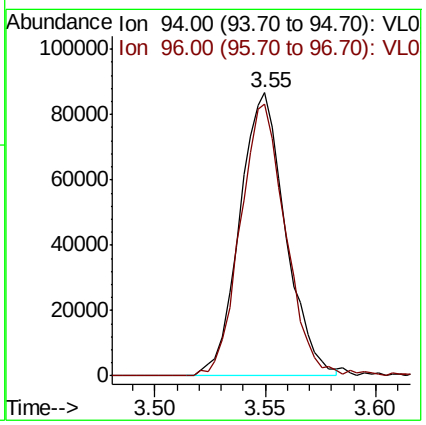


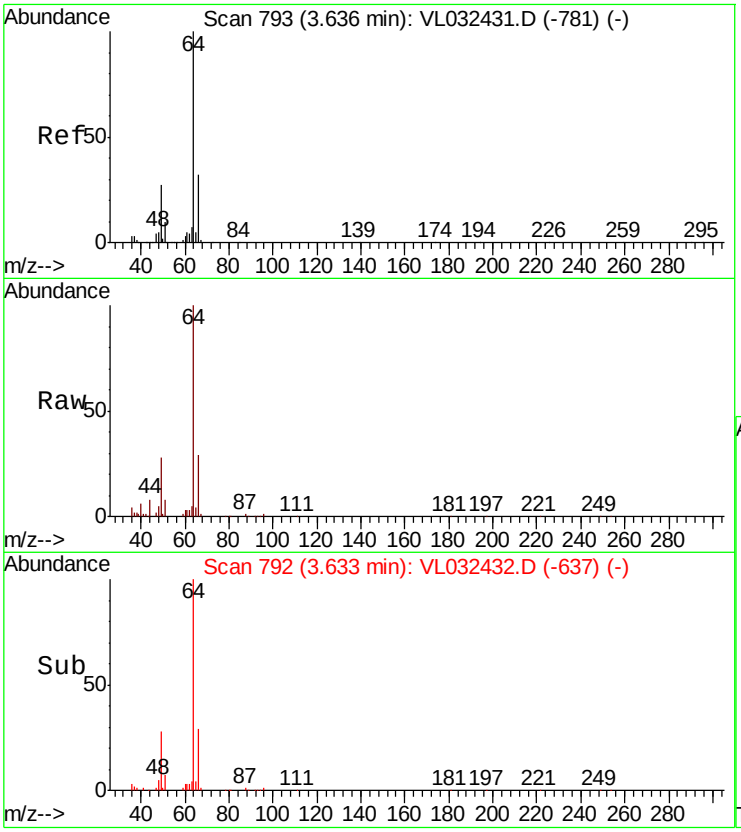


#6
Bromomethane
Concen: 2.037 ppbv
RT: 3.55 min Scan# 766
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 94 Resp: 125387

Ion	Ratio	Lower	Upper
94	100		
96	95.7	72.8	109.2



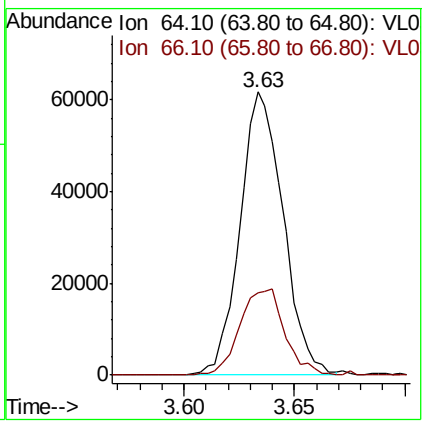


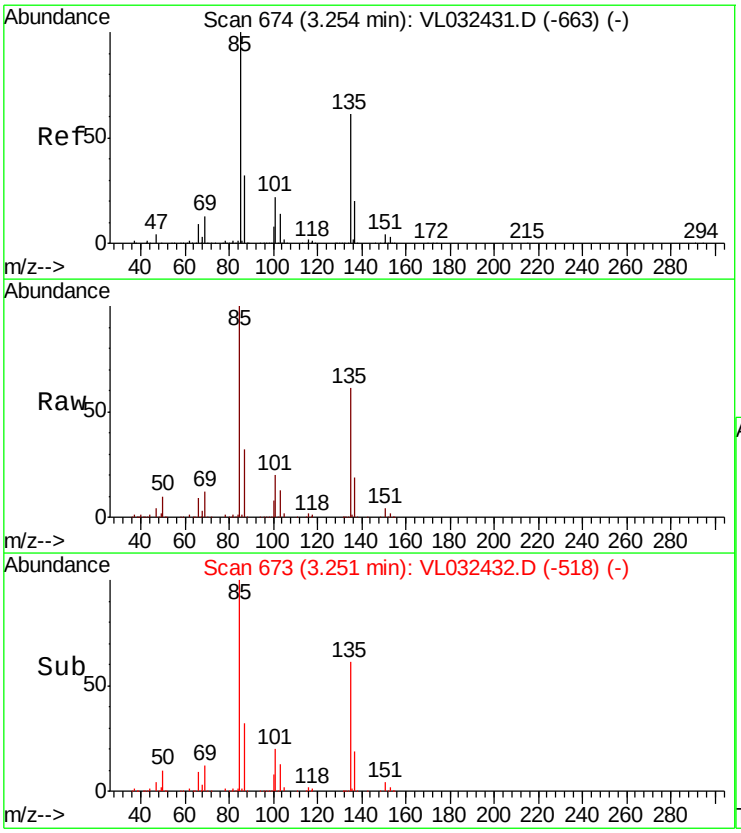
#7
Chloroethane
Concen: 2.105 ppbv
RT: 3.63 min Scan# 792
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 83731

Ion	Ratio	Lower	Upper
64	100		
66	29.3	25.8	38.6

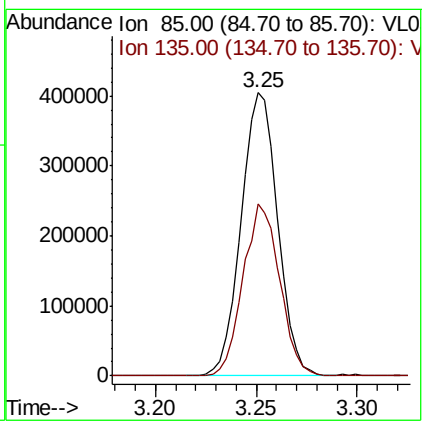


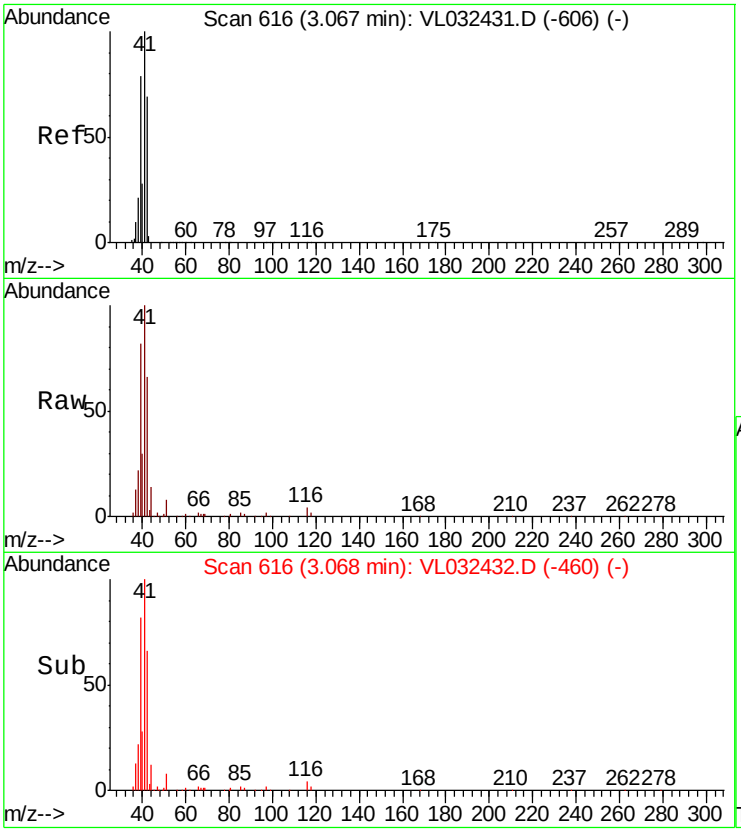


#8
Dichlorotetrafluoroethane
Concen: 2.168 ppbv
RT: 3.25 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 85 Resp: 514572

Ion	Ratio	Lower	Upper
85	100		
135	61.0	48.6	72.8



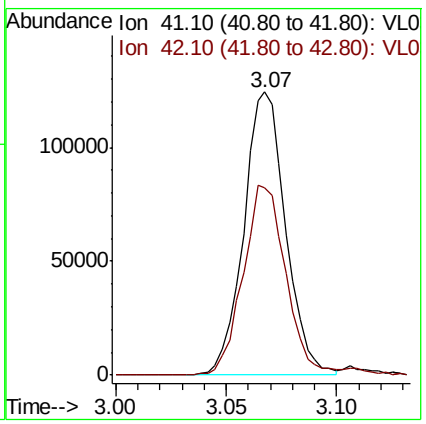


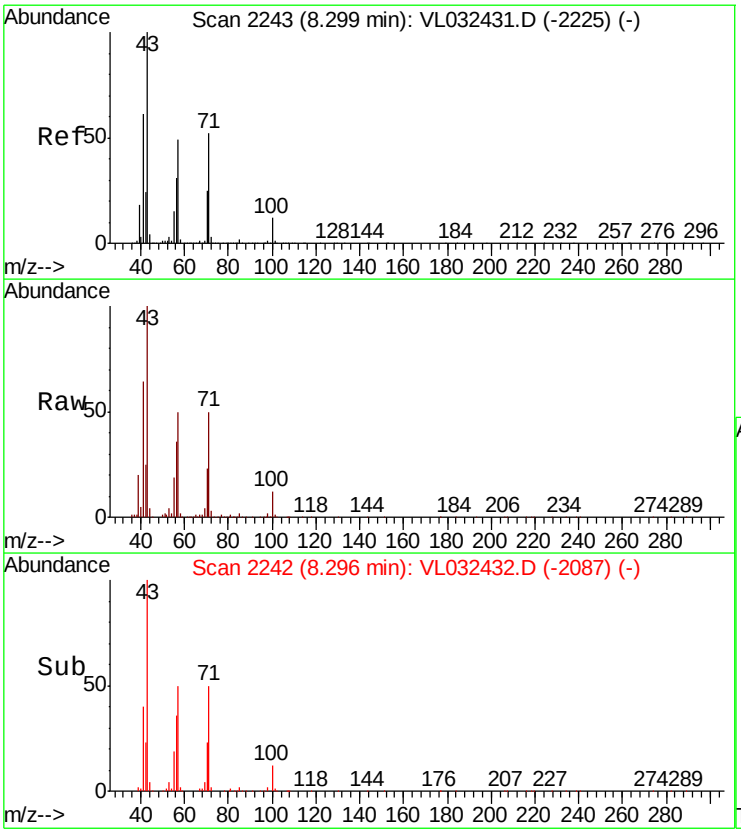
#9
Propene
Concen: 2.221 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 163970

Ion	Ratio	Lower	Upper
41	100		
42	70.4	56.6	84.8

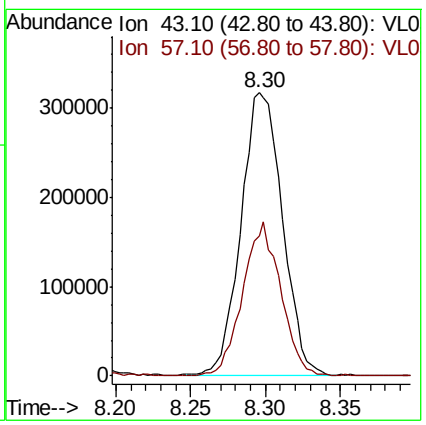


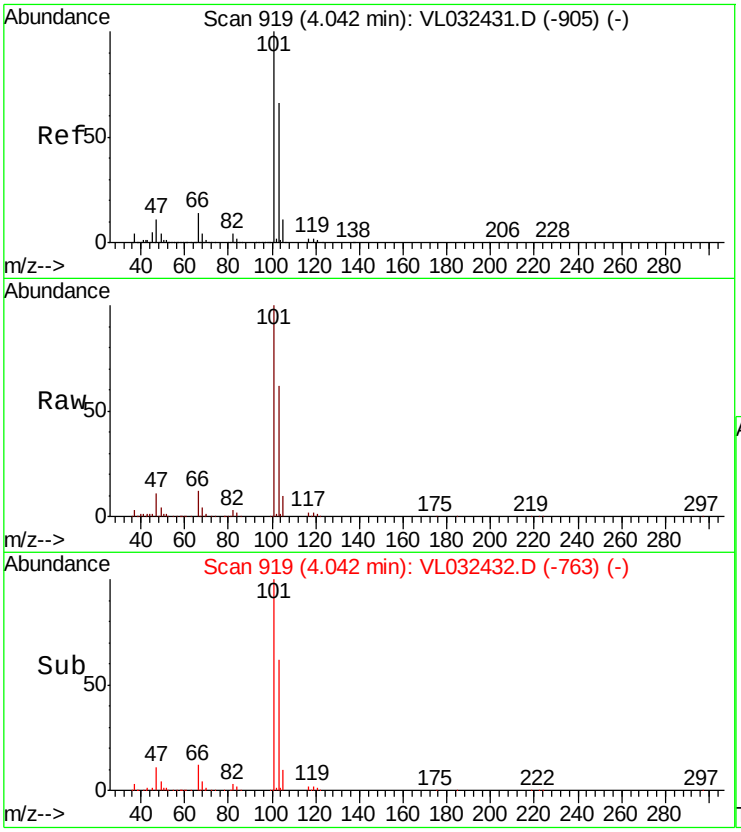


#10
Heptane
Concen: 2.284 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 43 Resp: 609485

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.8	59.6



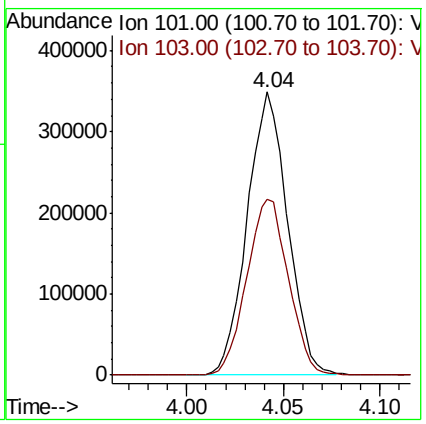


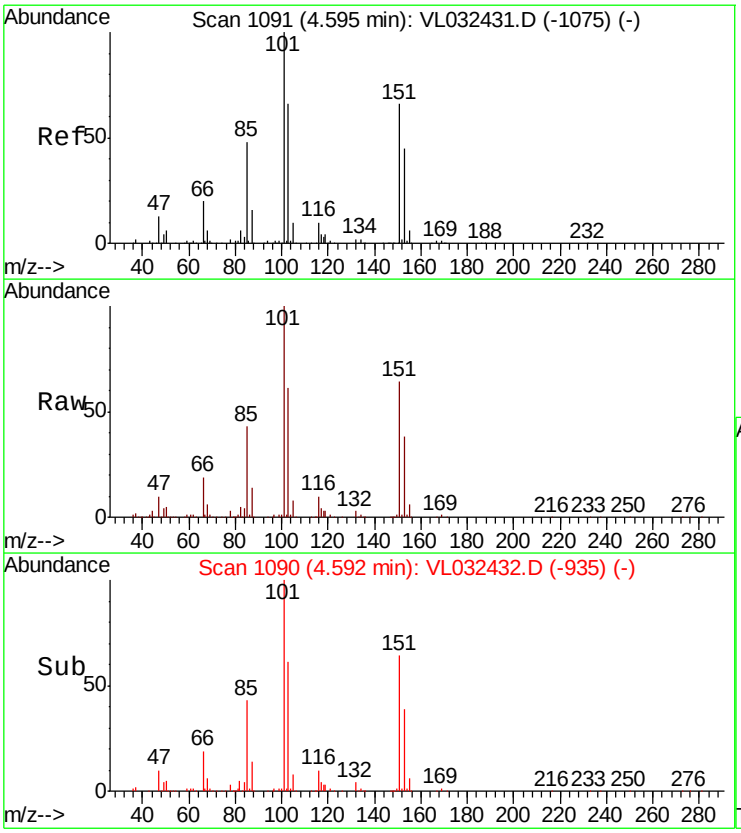
#11
Trichlorofluoromethane
Concen: 2.090 ppbv
RT: 4.04 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 506139

Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.8	79.2

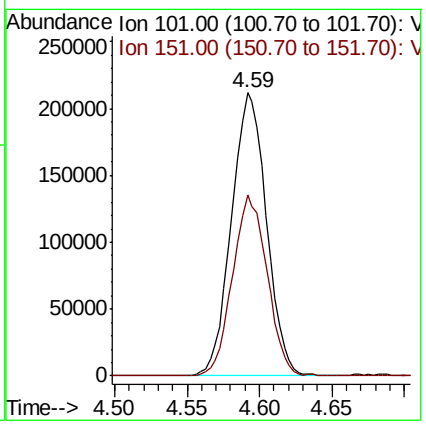


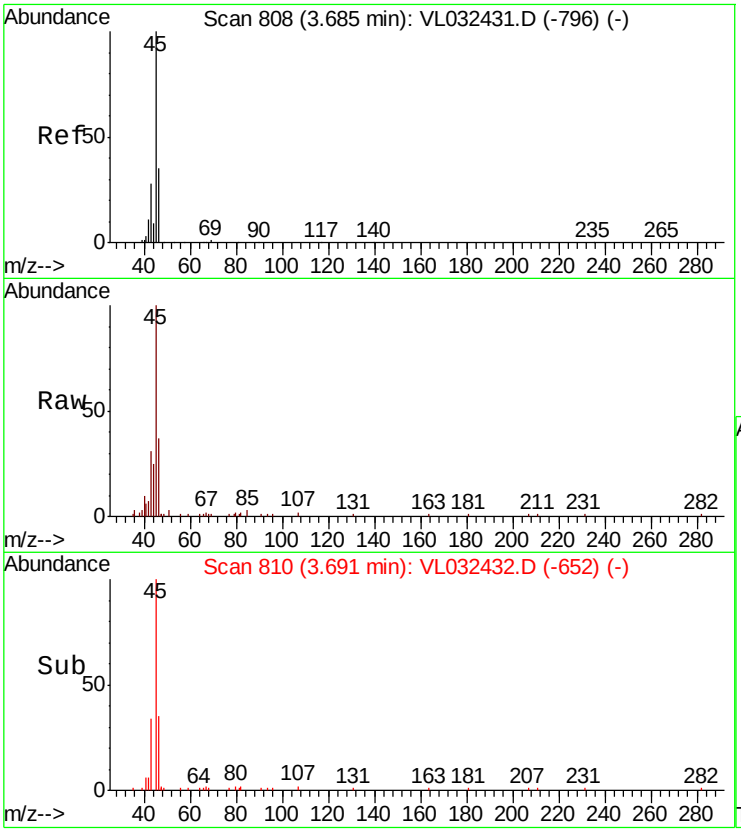


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.198 ppbv
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:101 Resp: 355675

Ion	Ratio	Lower	Upper
101	100		
151	63.0	52.6	78.8



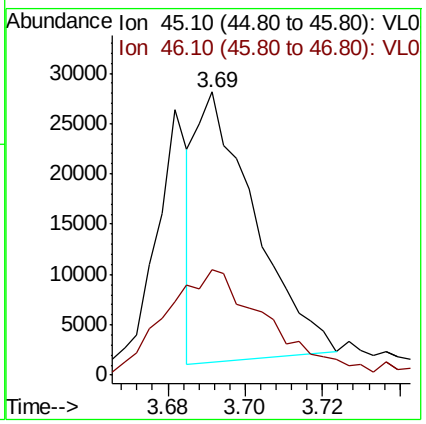


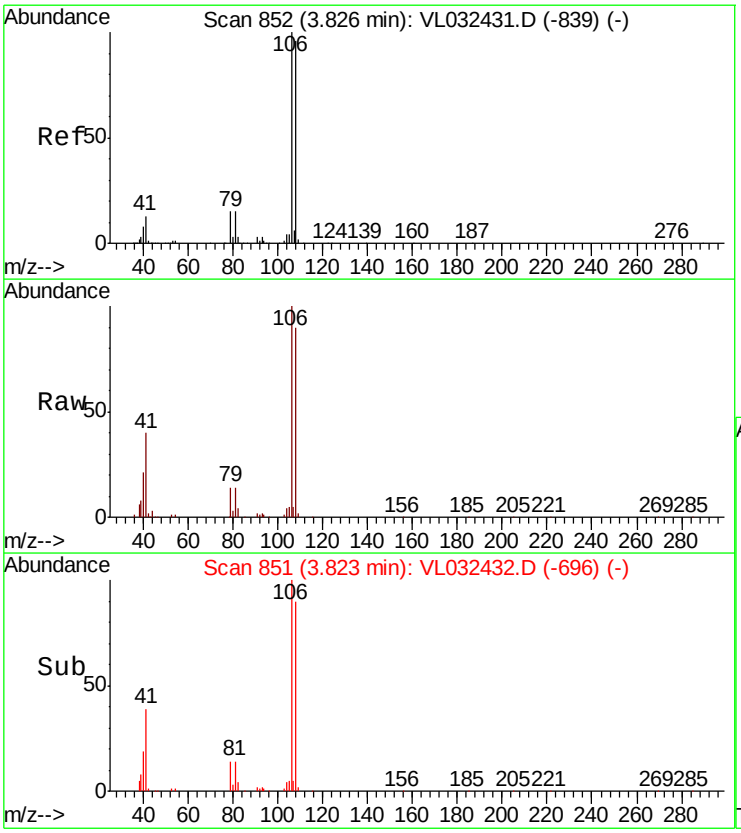
#13
Ethanol
Concen: 1.179 ppbv
RT: 3.69 min Scan# 810
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 28194

Ion	Ratio	Lower	Upper
45	100		
46	71.0	13.9	55.7#

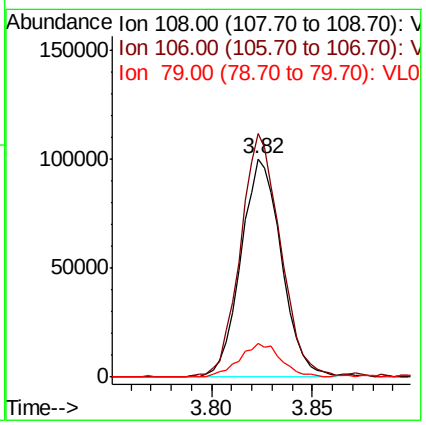


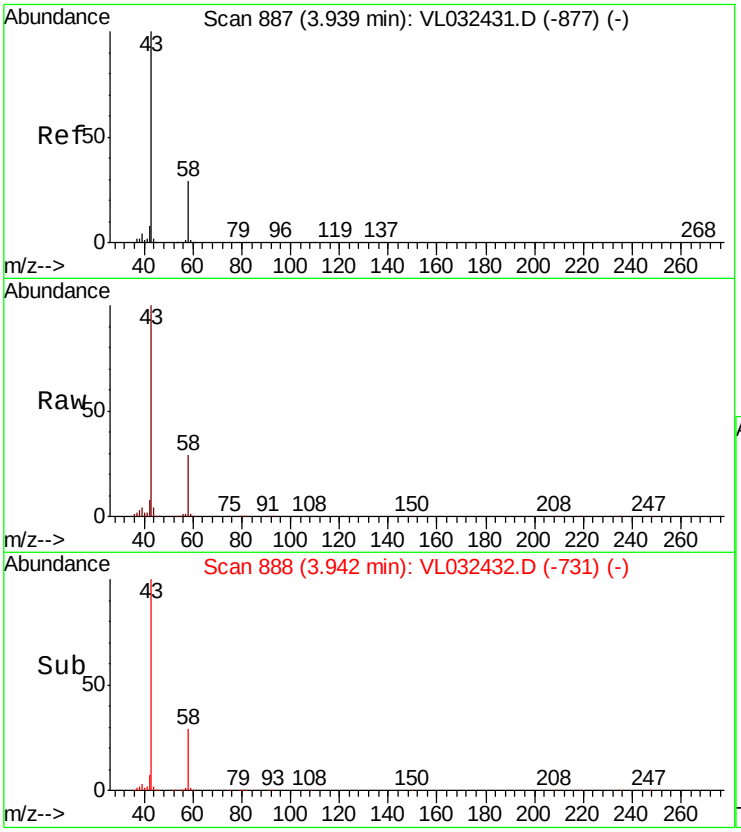


#14
Bromoethene
Concen: 2.014 ppbv
RT: 3.82 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:108 Resp: 141458

Ion	Ratio	Lower	Upper
108	100		
106	111.9	85.5	128.3
79	16.7	13.0	19.6



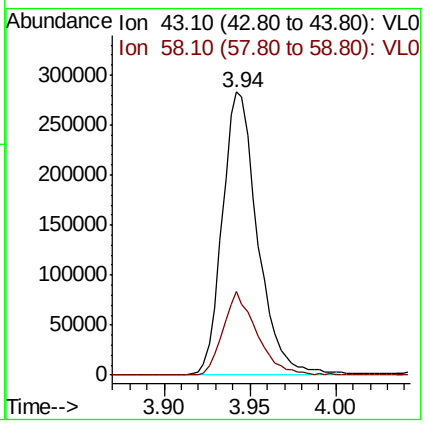


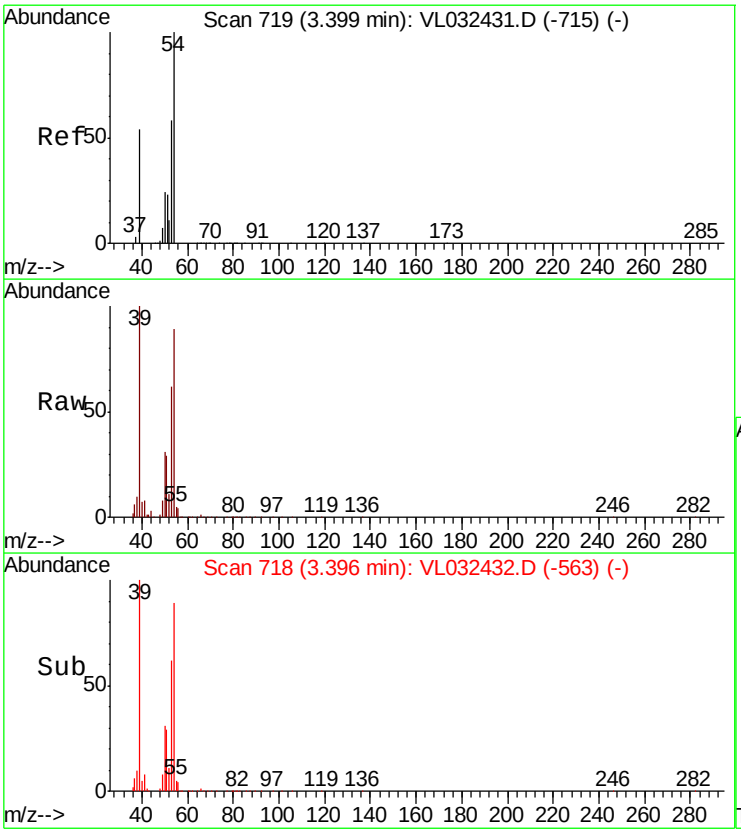
#15
Acetone
Concen: 1.964 ppbv
RT: 3.94 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 404096

Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.6	33.8

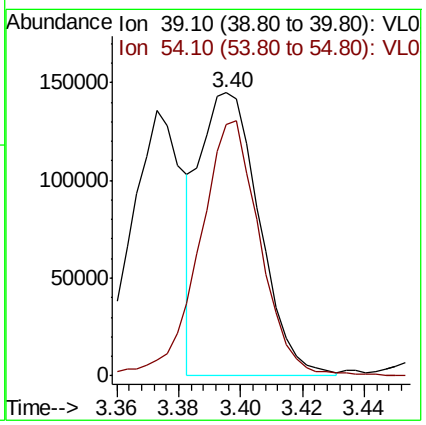


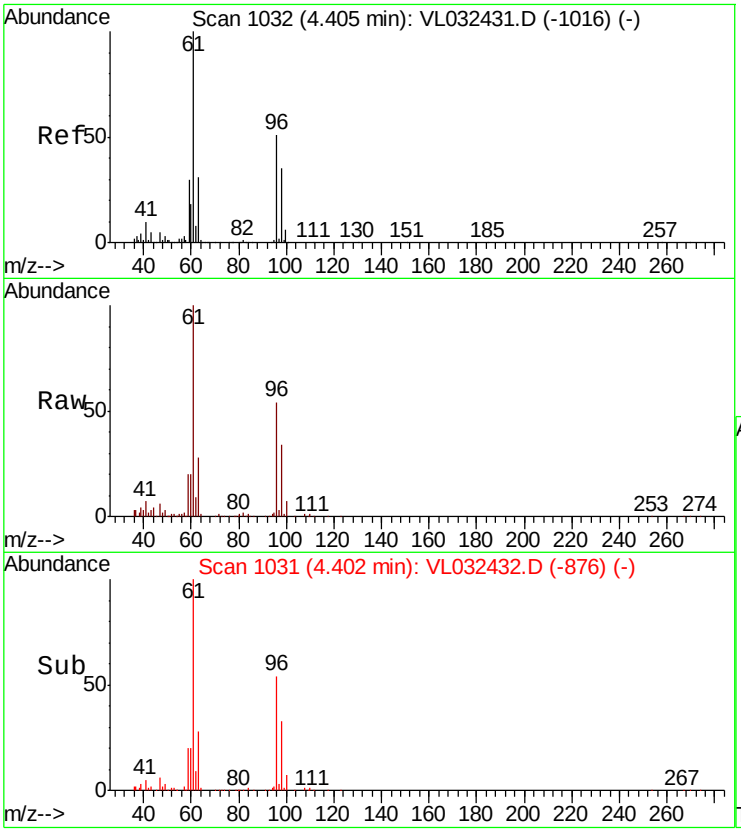


#16
1,3-Butadiene
Concen: 2.250 ppbv
RT: 3.40 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 39 Resp: 193121

Ion	Ratio	Lower	Upper
39	100		
54	92.3	80.8	121.2



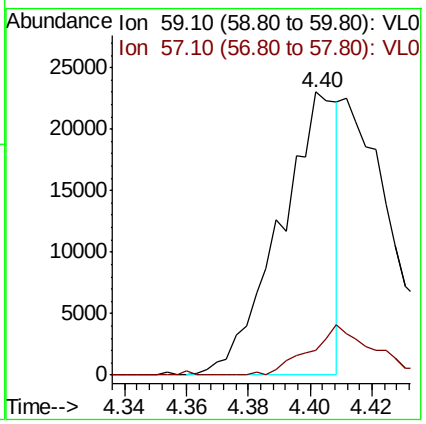


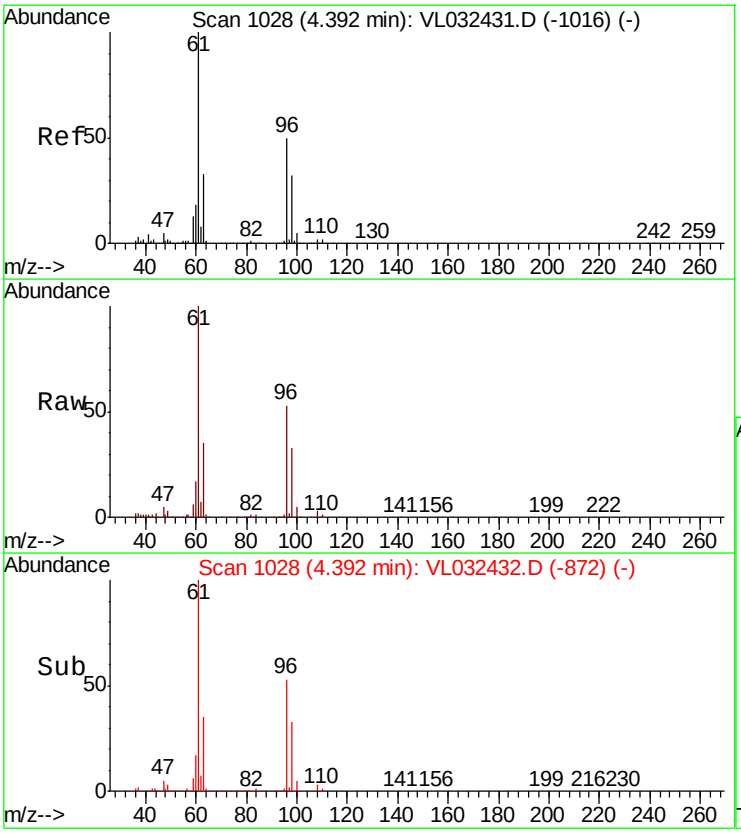
#17
tert-Butyl alcohol
Concen: 0.874 ppbv
RT: 4.40 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 29511

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

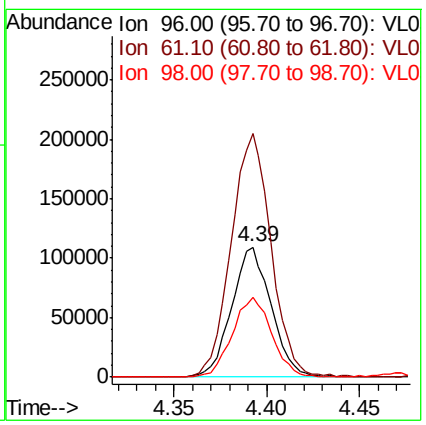


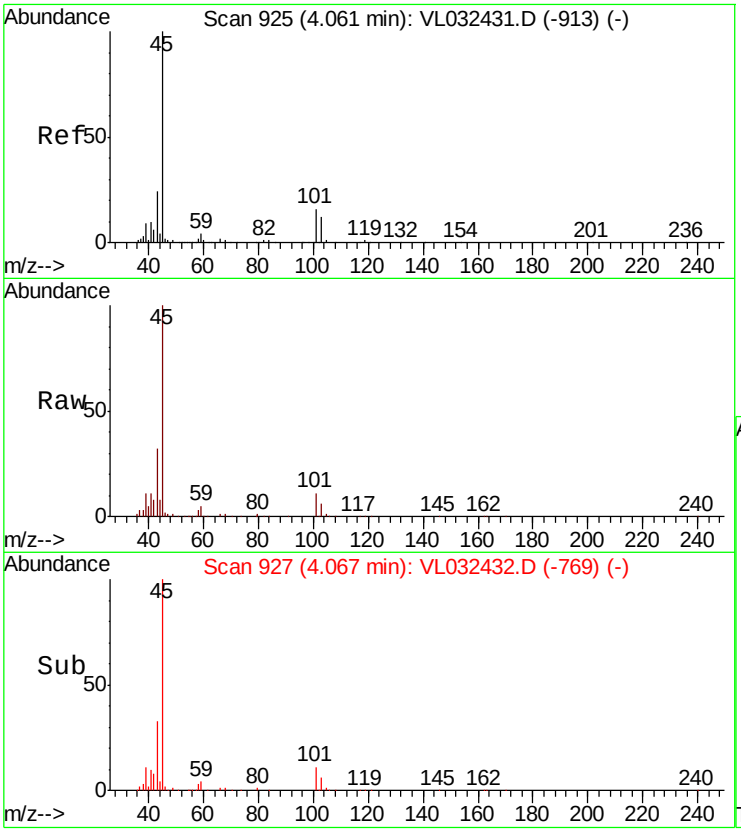


#18
1,1-Dichloroethene
Concen: 2.149 ppbv
RT: 4.39 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 96 Resp: 159538

Ion	Ratio	Lower	Upper
96	100		
61	187.7	159.2	238.8
98	61.6	51.0	76.4



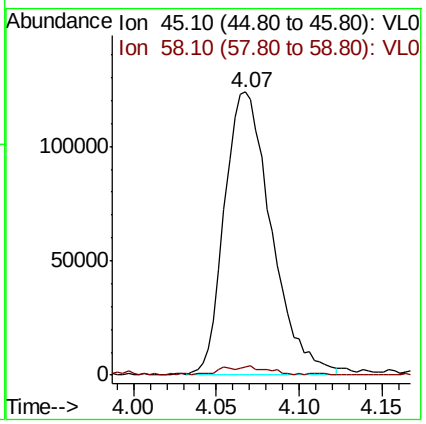


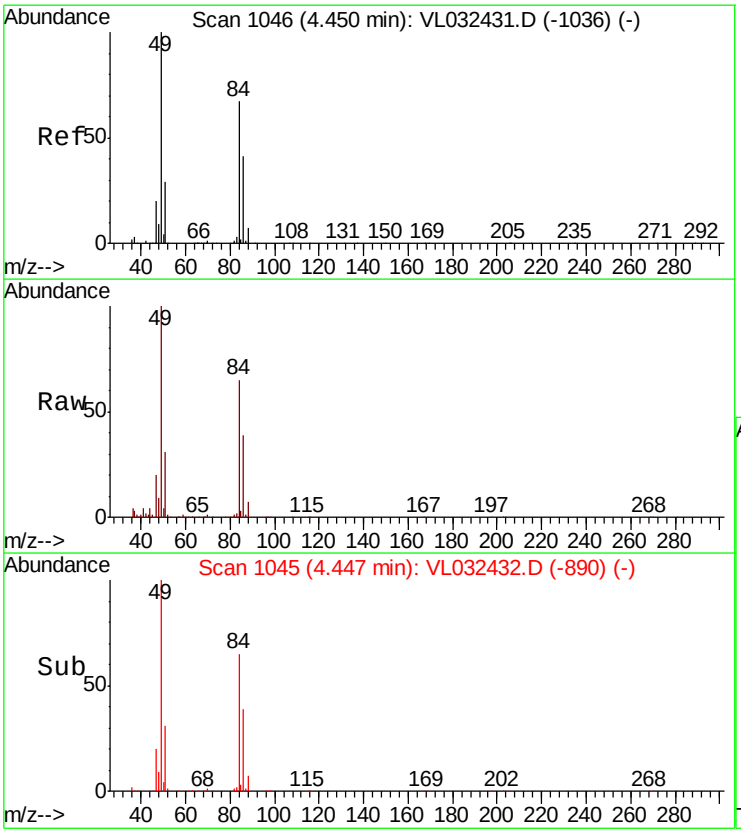
#19
Isopropyl Alcohol
Concen: 1.862 ppbv
RT: 4.07 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 241511

Ion	Ratio	Lower	Upper
45	100		
58	3.9	2.0	3.0#

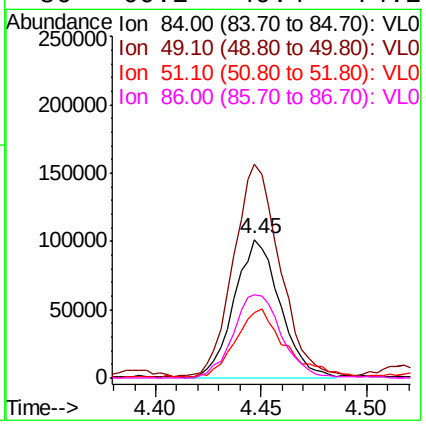


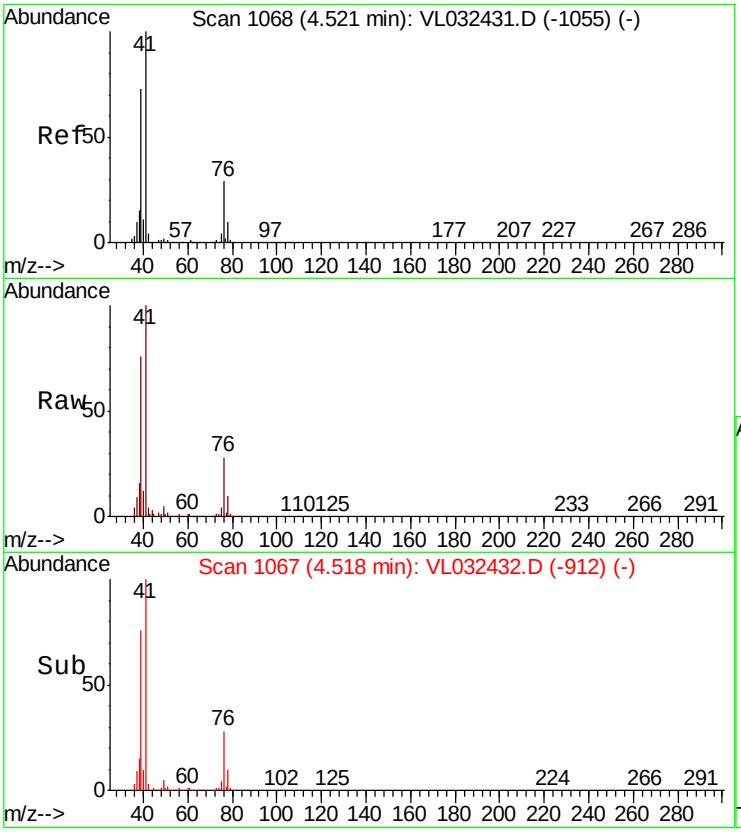


#20
Methylene Chloride
Concen: 1.988 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 84 Resp: 151886

Ion	Ratio	Lower	Upper
84	100		
49	153.3	119.1	178.7
51	46.2	35.2	52.8
86	60.2	49.4	74.2



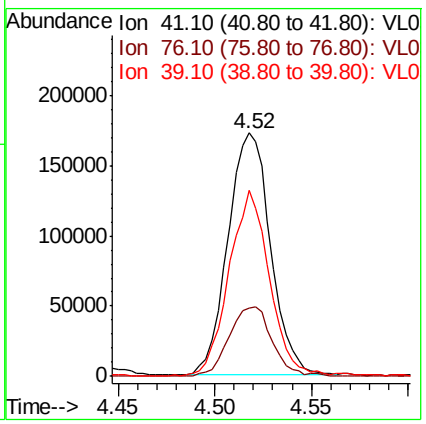


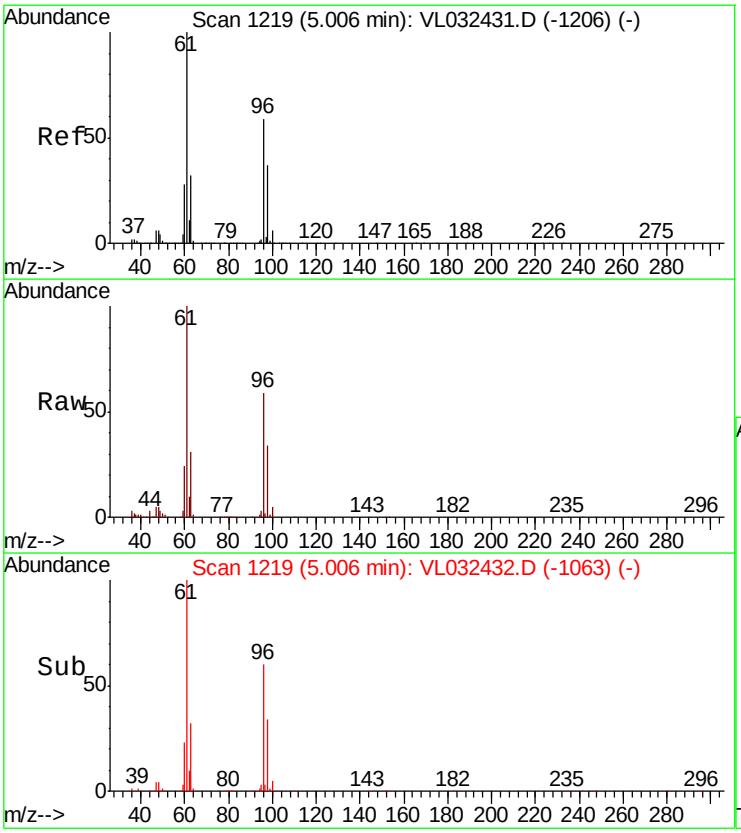
#21
Allyl Chloride
Concen: 2.026 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 263107

Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	73.0	57.7	86.5

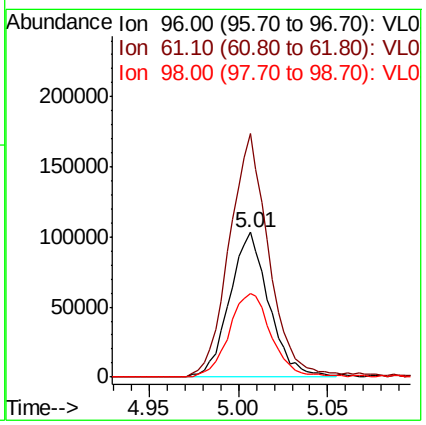


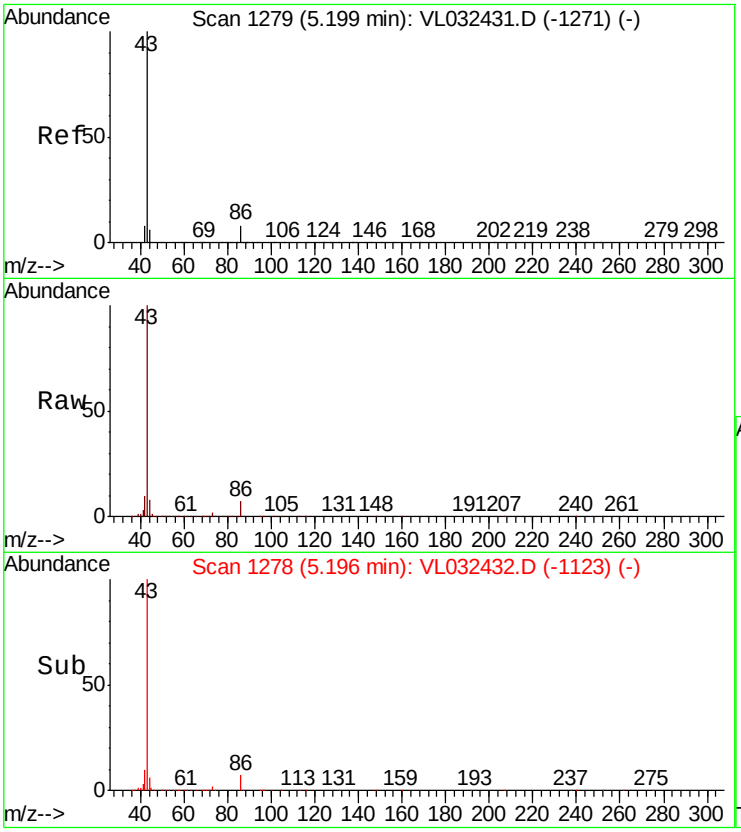


#22
trans-1,2-Dichloroethene
Concen: 1.982 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 96 Resp: 158754

Ion	Ratio	Lower	Upper
96	100		
61	167.6	136.2	204.4
98	57.2	50.4	75.6



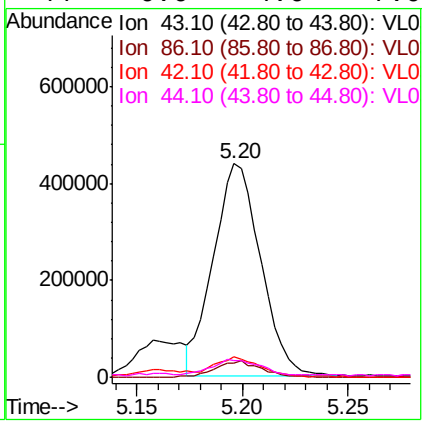


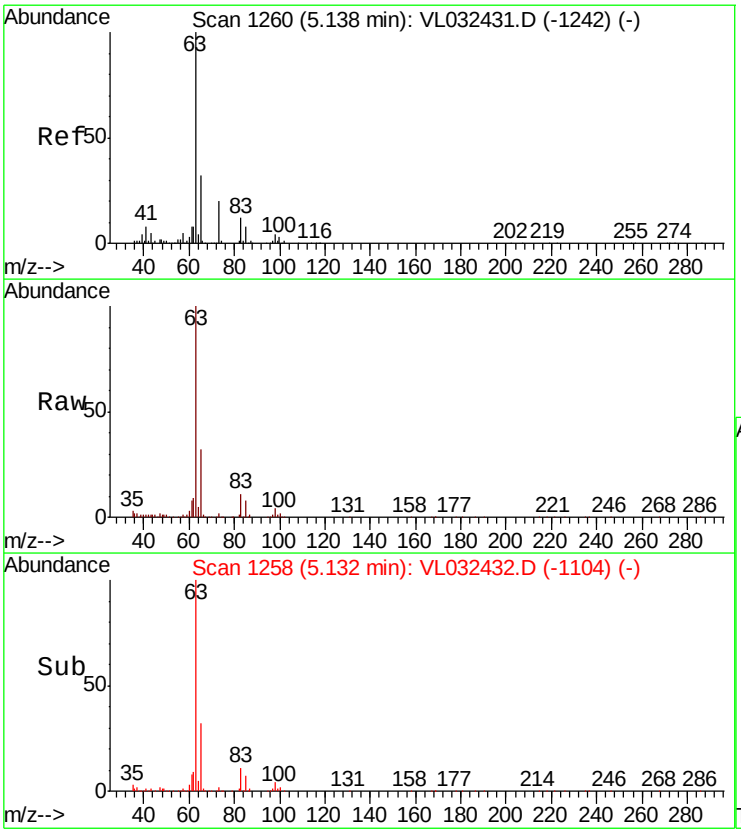
#23
Vinyl Acetate
Concen: 2.151 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 681988

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.9	8.9
42	9.7	6.9	10.3
44	6.6	4.6	7.0

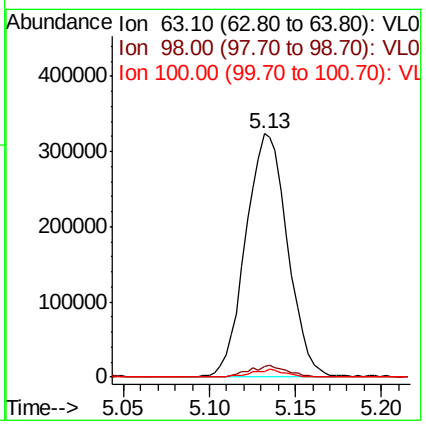


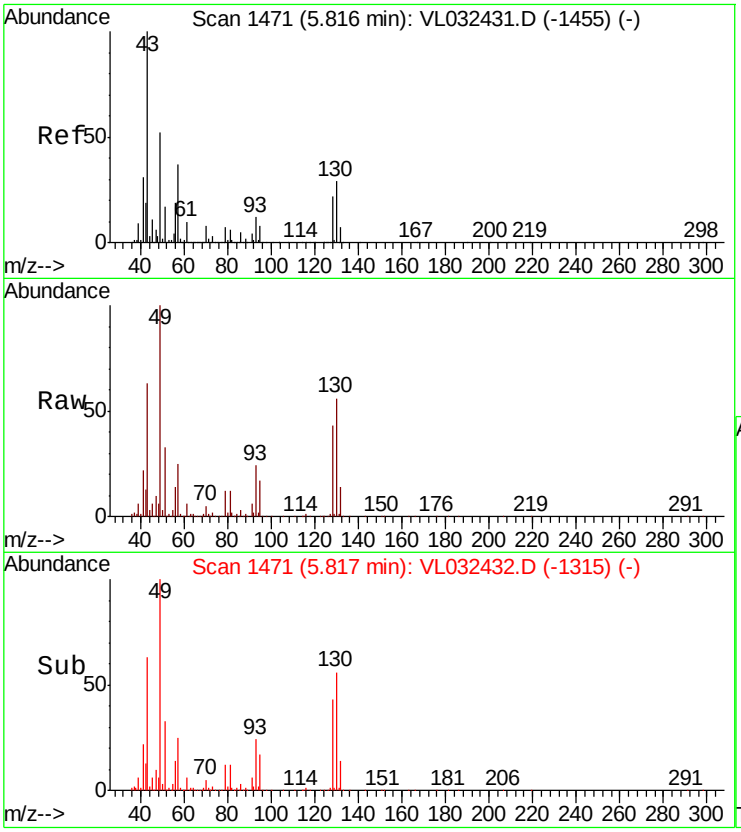


#24
1,1-Dichloroethane
Concen: 2.148 ppbv
RT: 5.13 min Scan# 1258
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 63 Resp: 546408

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.0	1.5	4.4



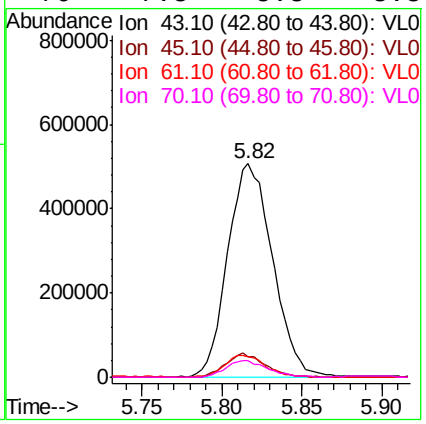


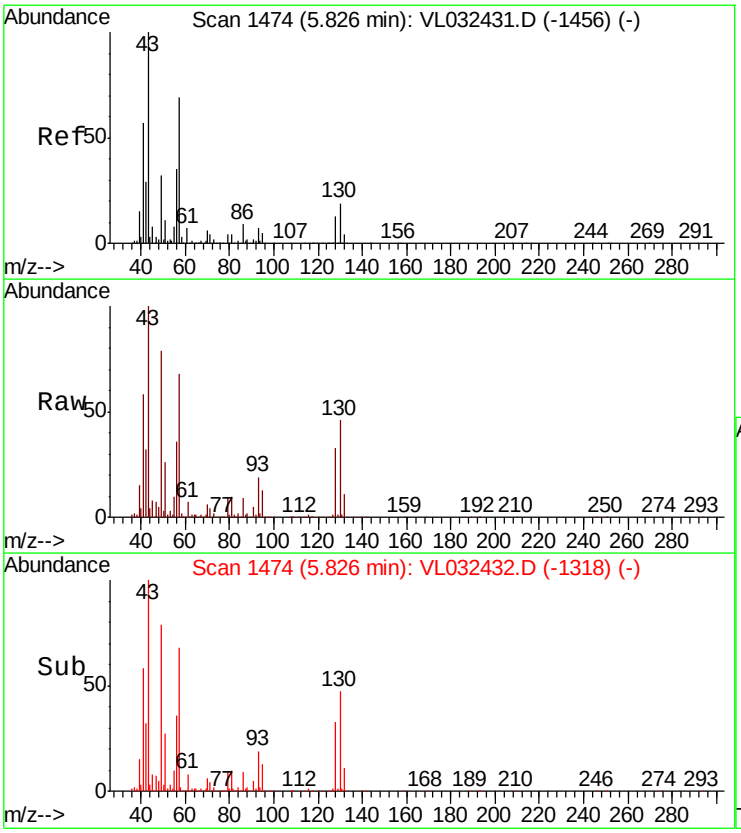
#25
Ethyl Acetate
Concen: 2.221 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 965262

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	7.6	11.4
70	7.3	5.8	8.8

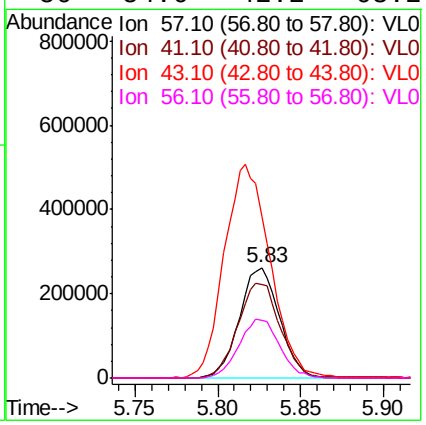


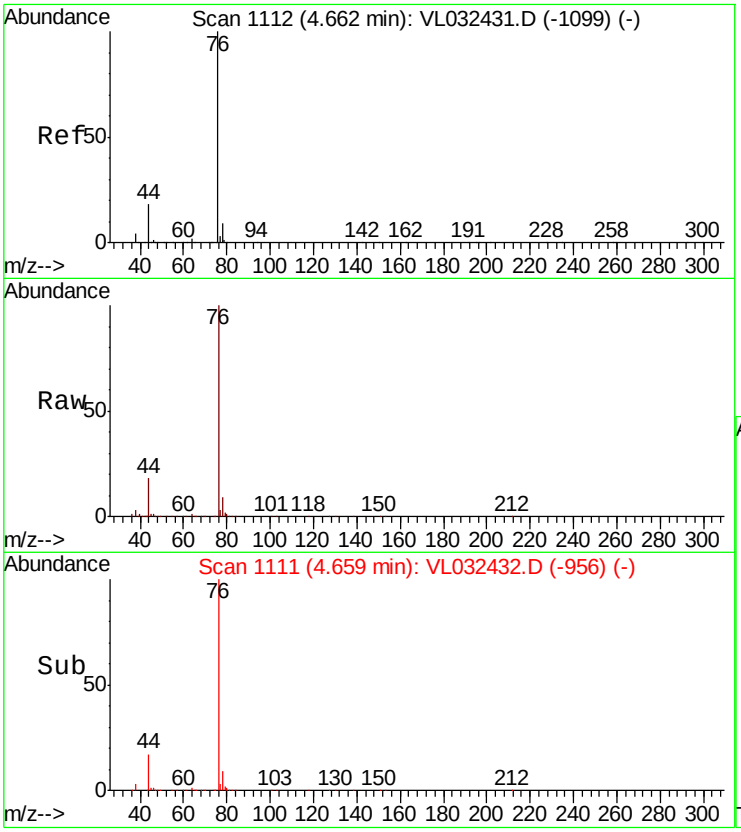


#26
Hexane
Concen: 2.255 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 57 Resp: 439140

Ion	Ratio	Lower	Upper
57	100		
41	90.7	68.4	102.6
43	221.8	172.6	258.8
56	54.6	42.2	63.2



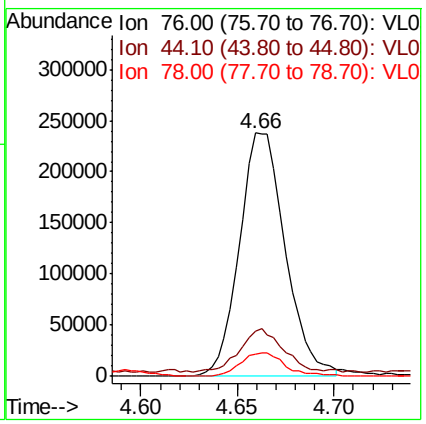


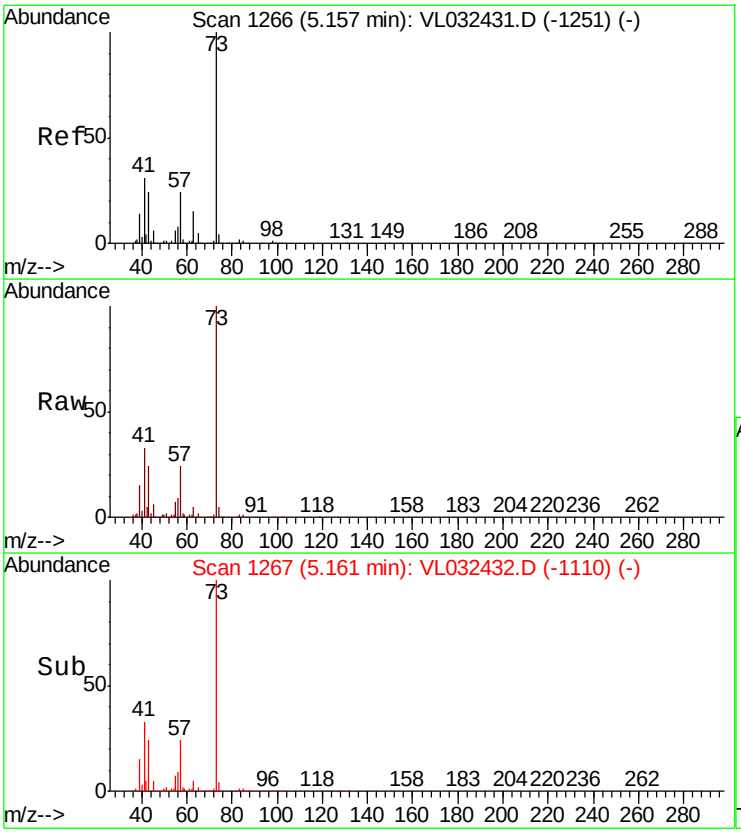
#27
Carbon Disulfide
Concen: 2.106 ppbv
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 393624

Ion	Ratio	Lower	Upper
76	100		
44	18.1	14.0	21.0
78	10.1	7.5	11.3

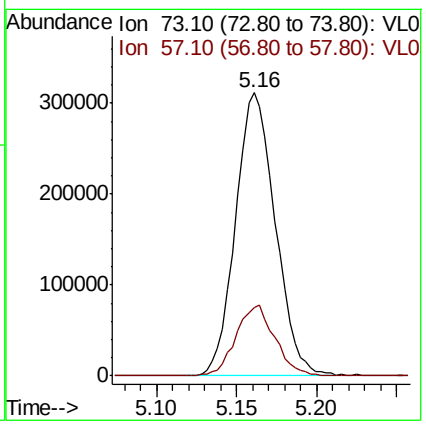


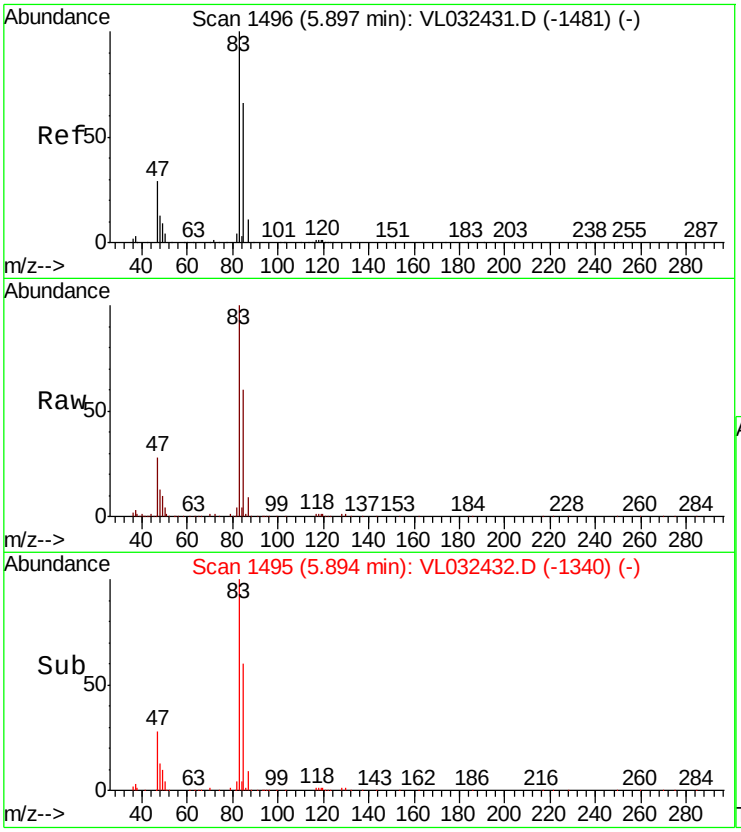


#28
Methyl tert-Butyl Ether
Concen: 2.194 ppbv
RT: 5.16 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 73 Resp: 527002

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.3	28.9



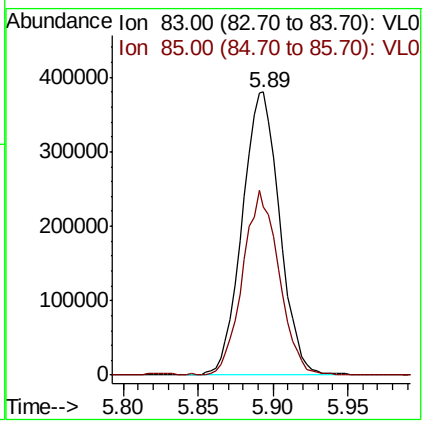


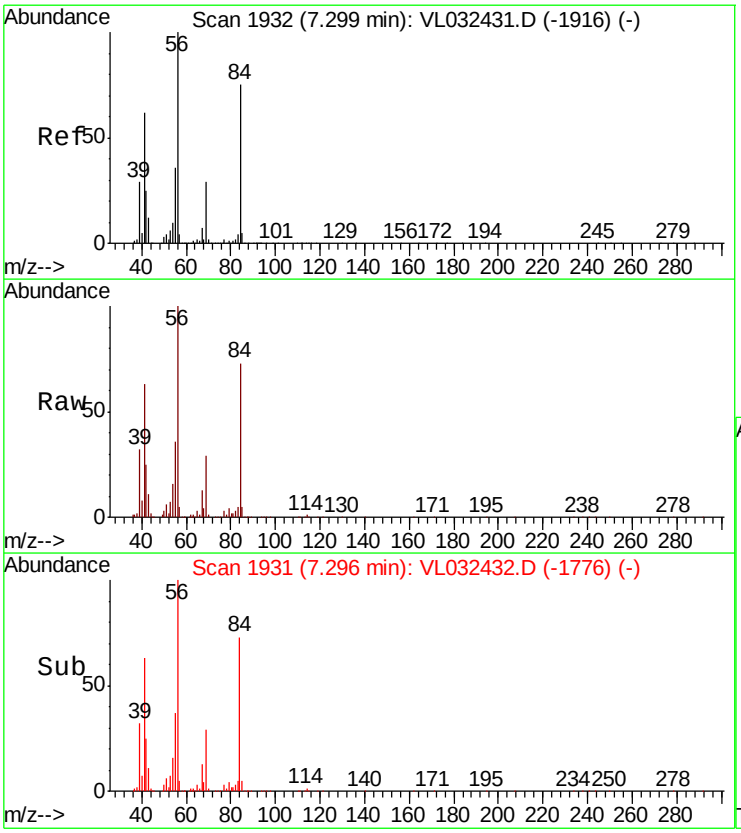
#29
Chloroform
Concen: 2.200 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 661766

Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.5	78.7

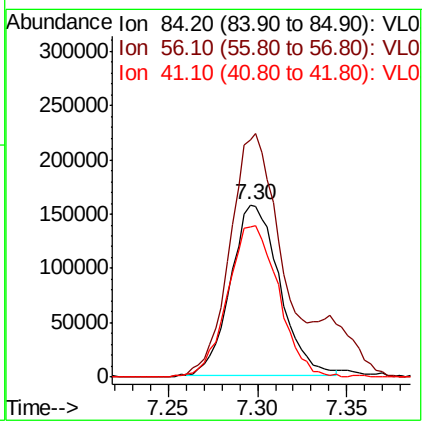


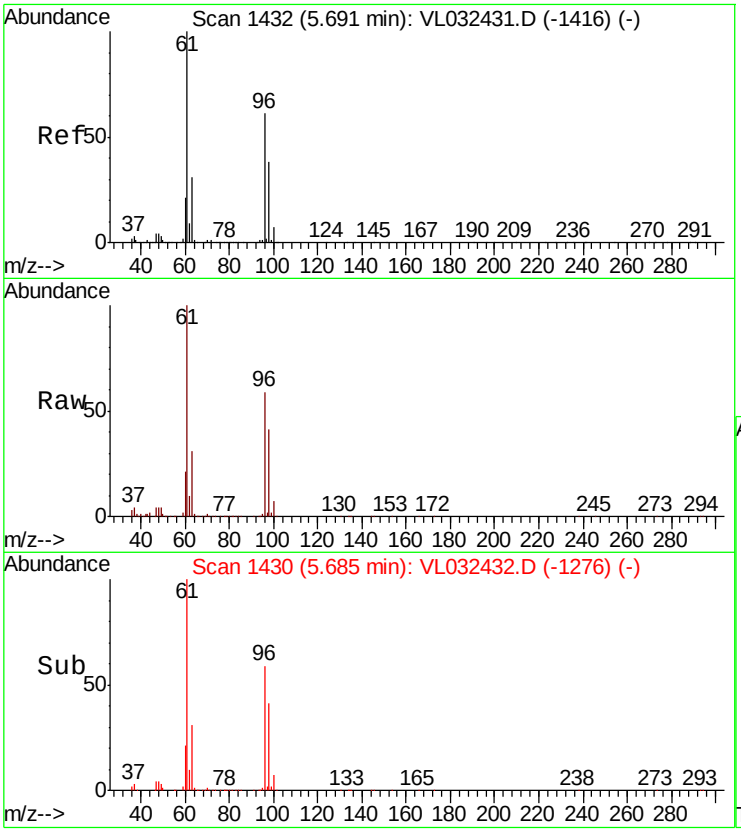


#30
Cyclohexane
Concen: 2.093 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 84 Resp: 300995

Ion	Ratio	Lower	Upper
84	100		
56	174.2	113.5	170.3#
41	92.7	68.0	102.0



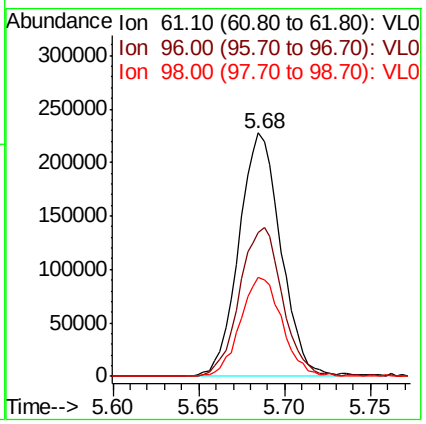


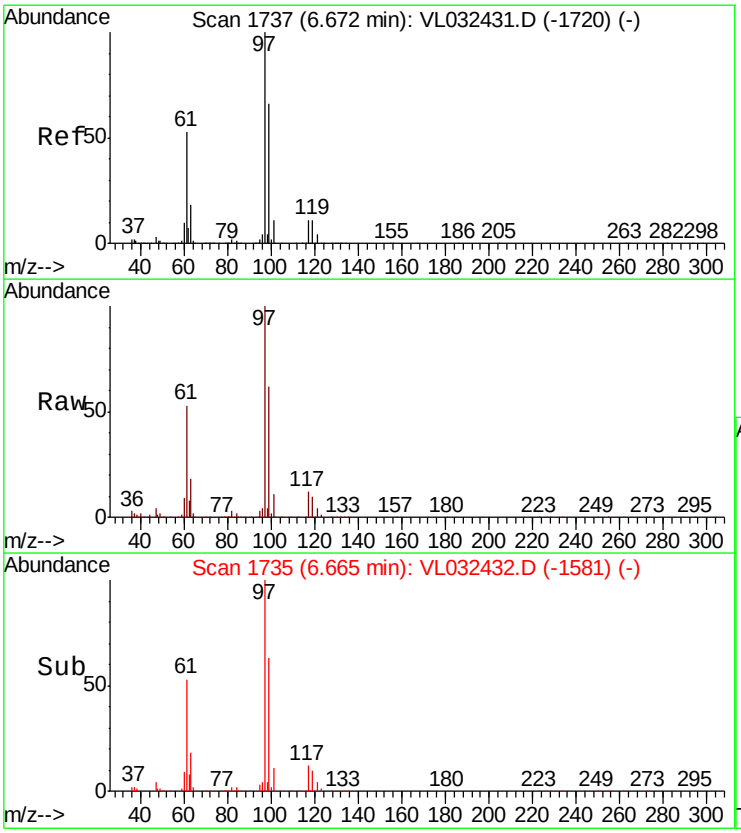
#31
cis-1,2-Dichloroethene
Concen: 2.170 ppbv
RT: 5.68 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 385719

Ion	Ratio	Lower	Upper
61	100		
96	59.1	49.2	73.8
98	40.5	30.7	46.1

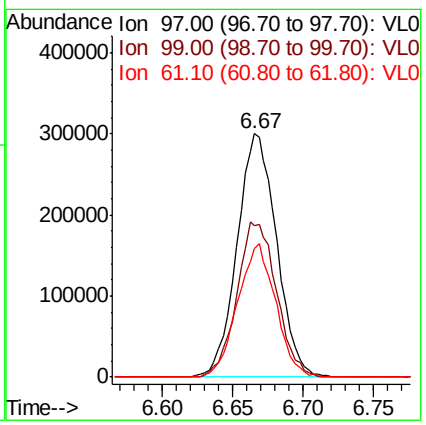


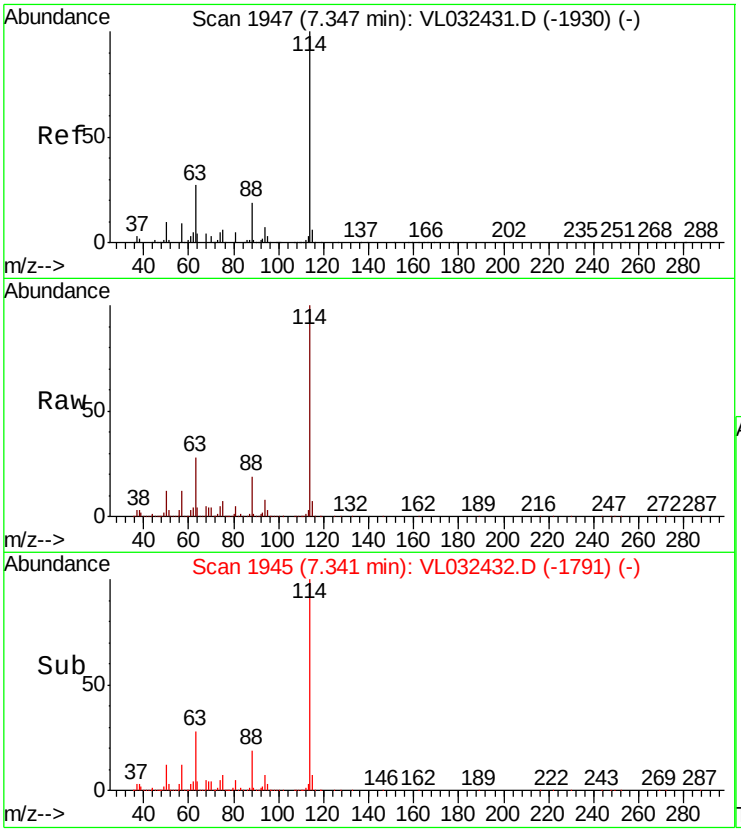


#32
1,1,1-Trichloroethane
Concen: 2.261 ppbv
RT: 6.67 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 97 Resp: 587201

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	52.9	42.6	64.0



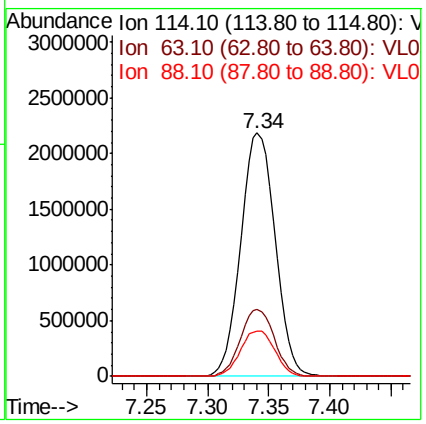


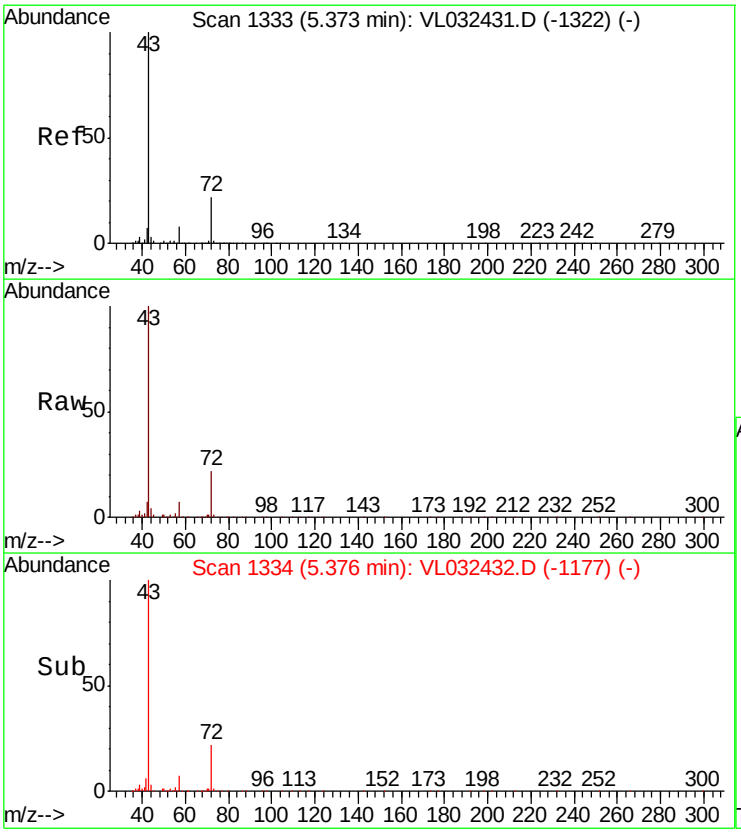
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 4237559

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.1	33.1
88	18.7	15.0	22.6

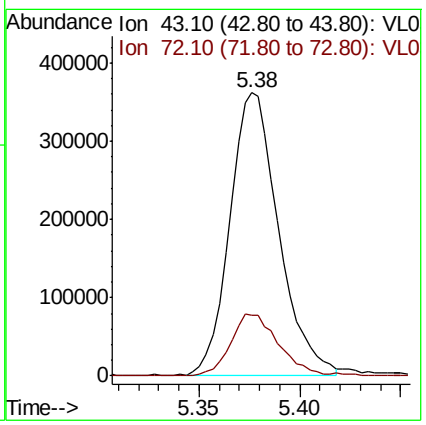


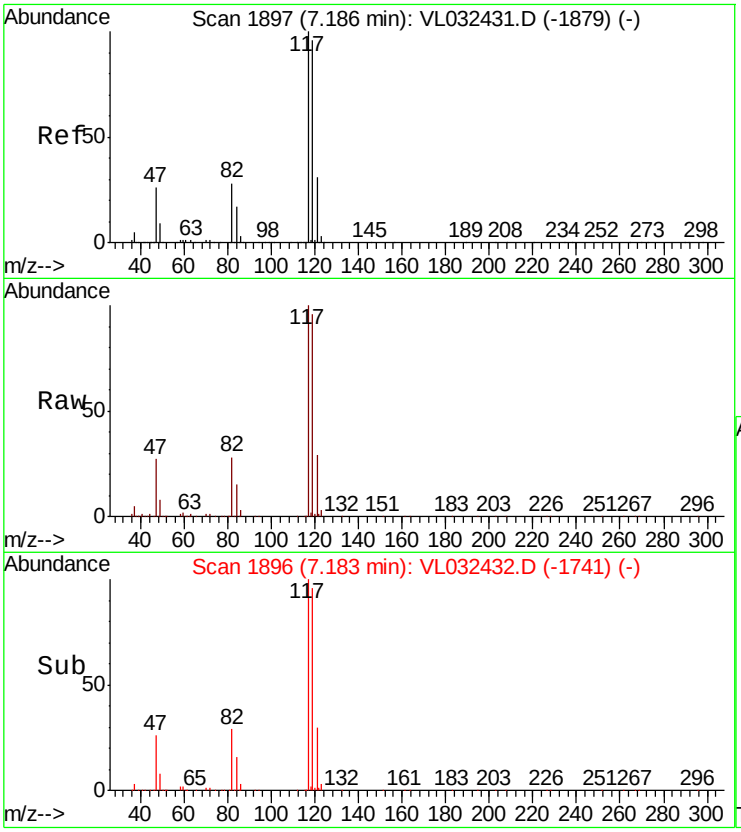


#34
2-Butanone
Concen: 2.254 ppbv
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 43 Resp: 607862

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.8	26.6



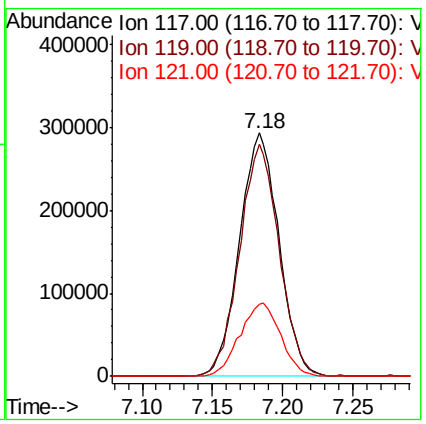


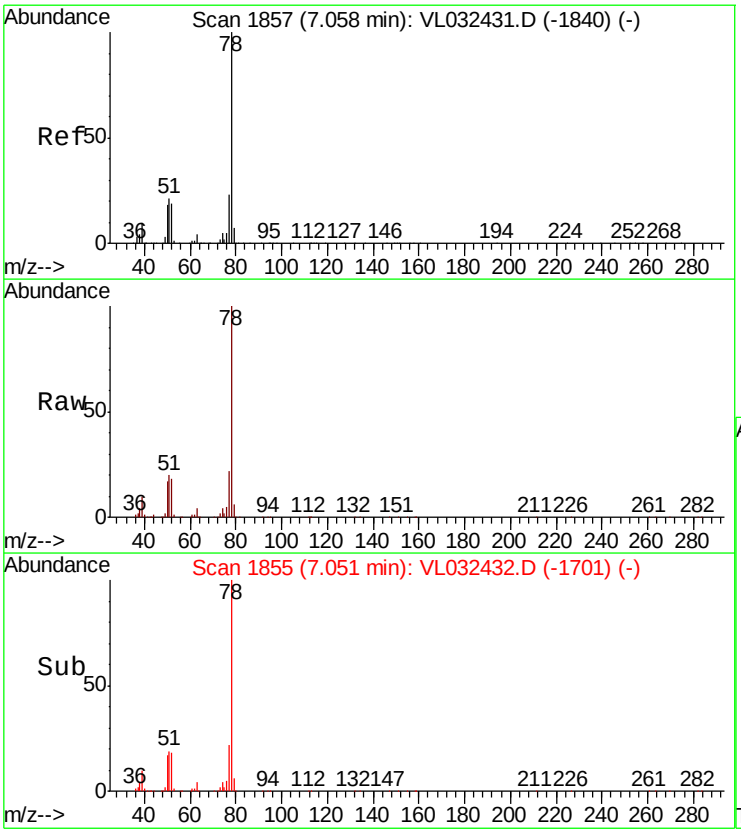
#35
Carbon Tetrachloride
Concen: 2.192 ppbv
RT: 7.18 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 575187

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	29.4	24.6	36.8

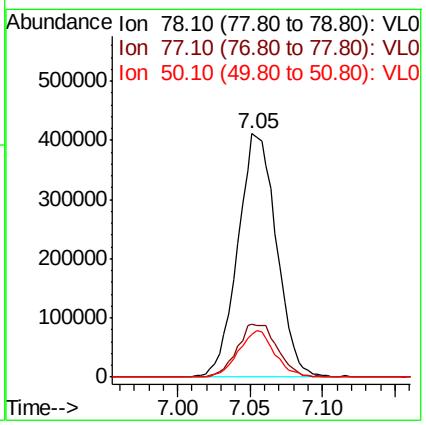


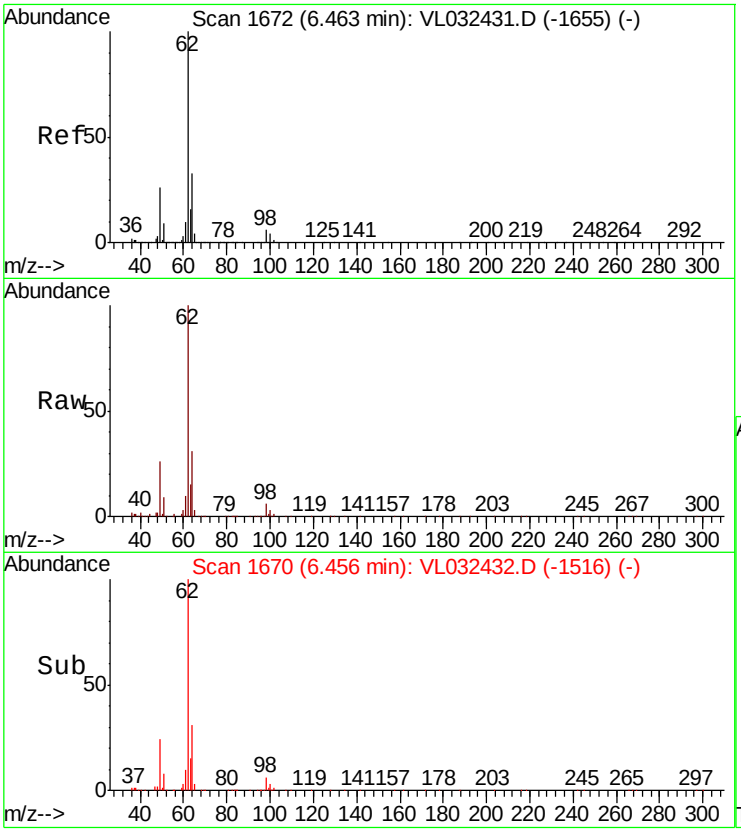


#36
Benzene
Concen: 2.174 ppbv
RT: 7.05 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 78 Resp: 762551

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.4	27.6
50	17.3	14.4	21.6



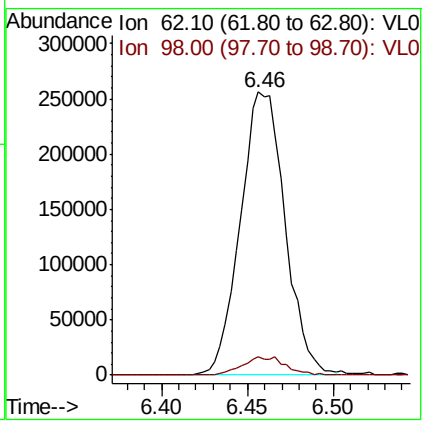


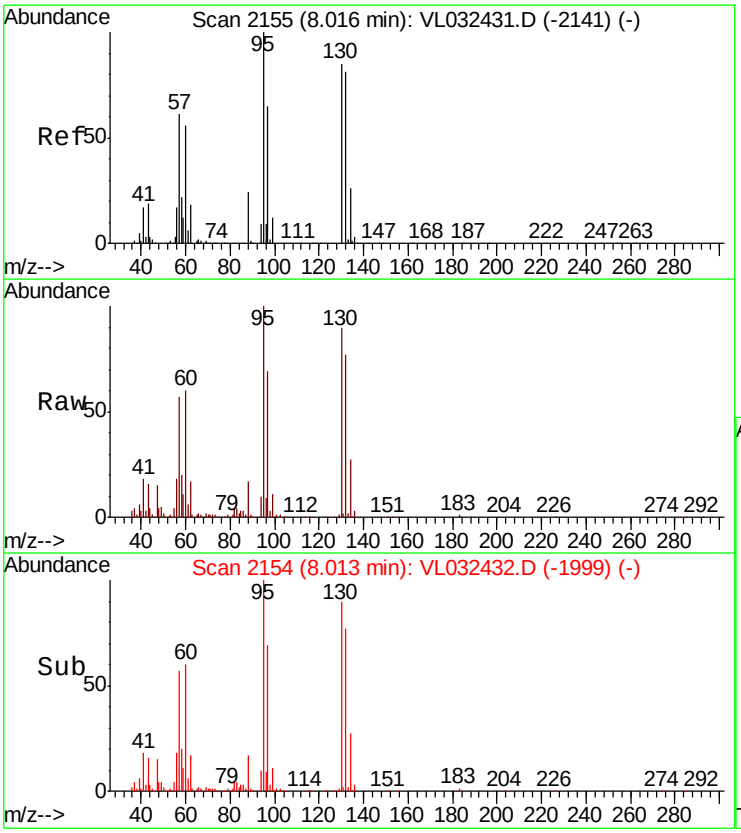
#37
1,2-Dichloroethane
Concen: 2.124 ppbv
RT: 6.46 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 461736

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.0	7.6

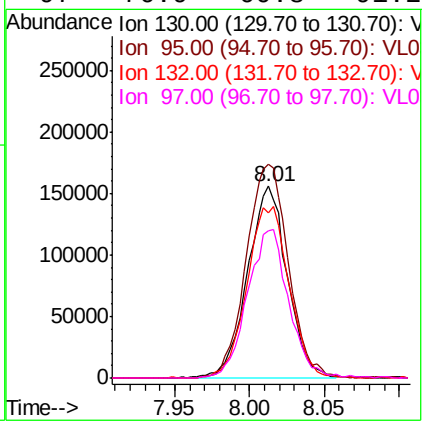


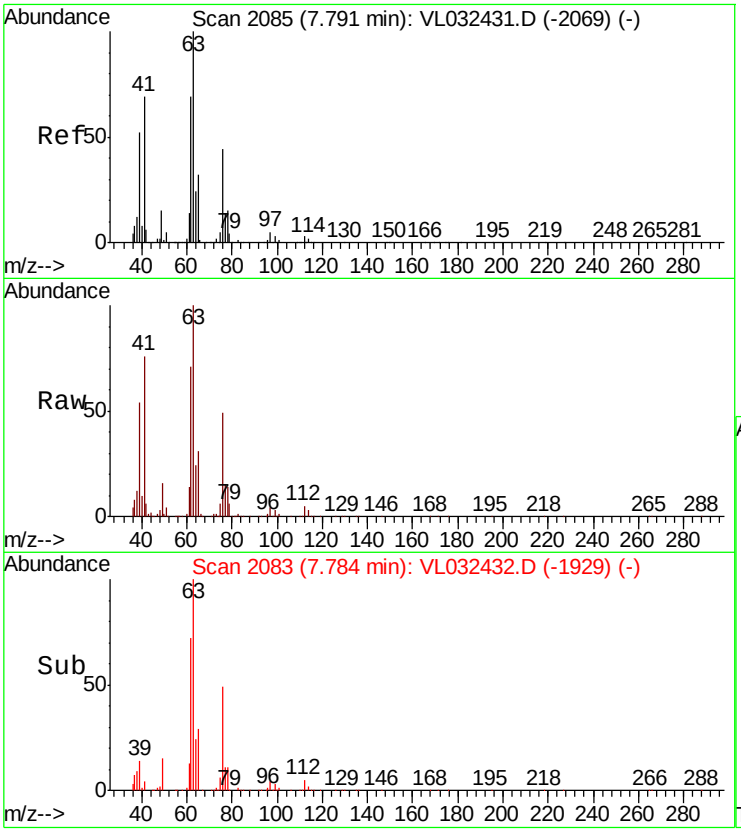


#38
Trichloroethene
Concen: 2.443 ppbv
RT: 8.01 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:130 Resp: 286274

Ion	Ratio	Lower	Upper
130	100		
95	111.7	94.2	141.4
132	86.3	76.2	114.4
97	76.9	60.8	91.2



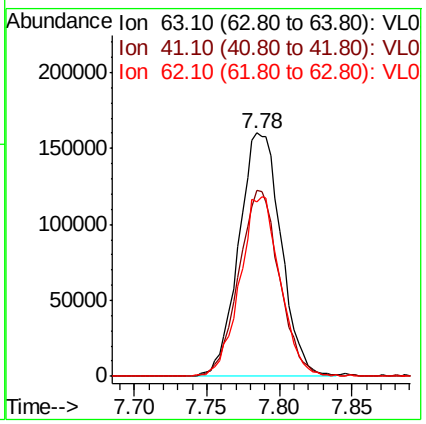


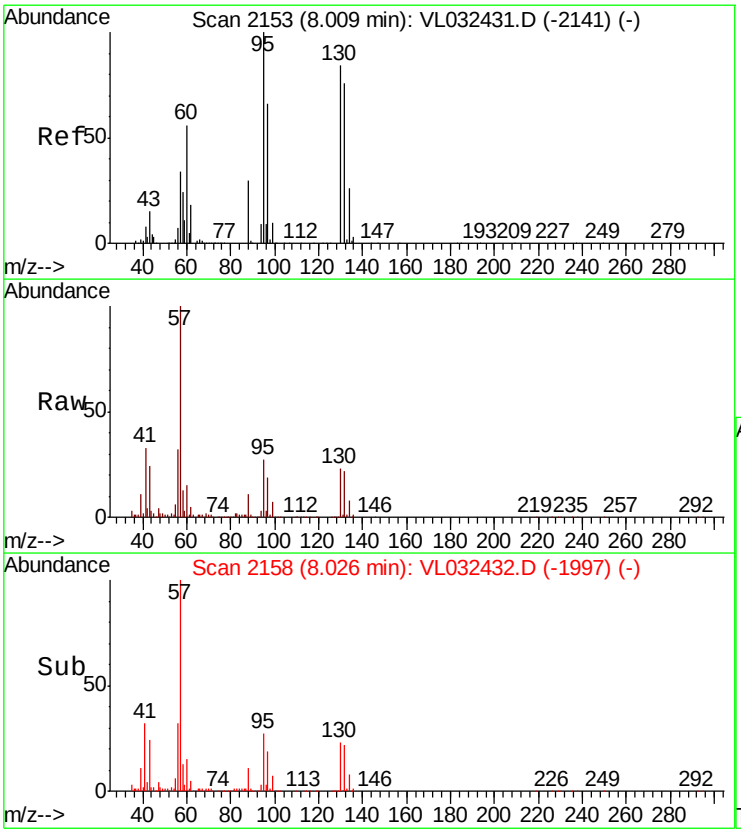
#39
1,2-Dichloropropane
Concen: 2.203 ppbv
RT: 7.78 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 324616

Ion	Ratio	Lower	Upper
63	100		
41	76.0	55.4	83.0
62	71.3	55.4	83.0

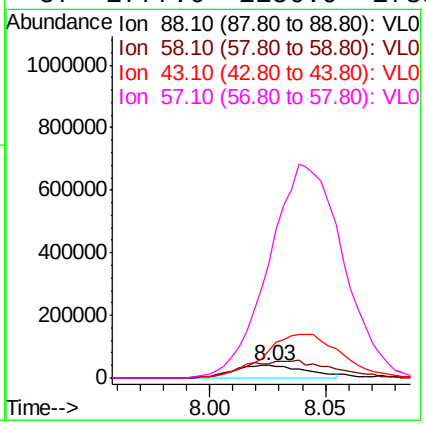


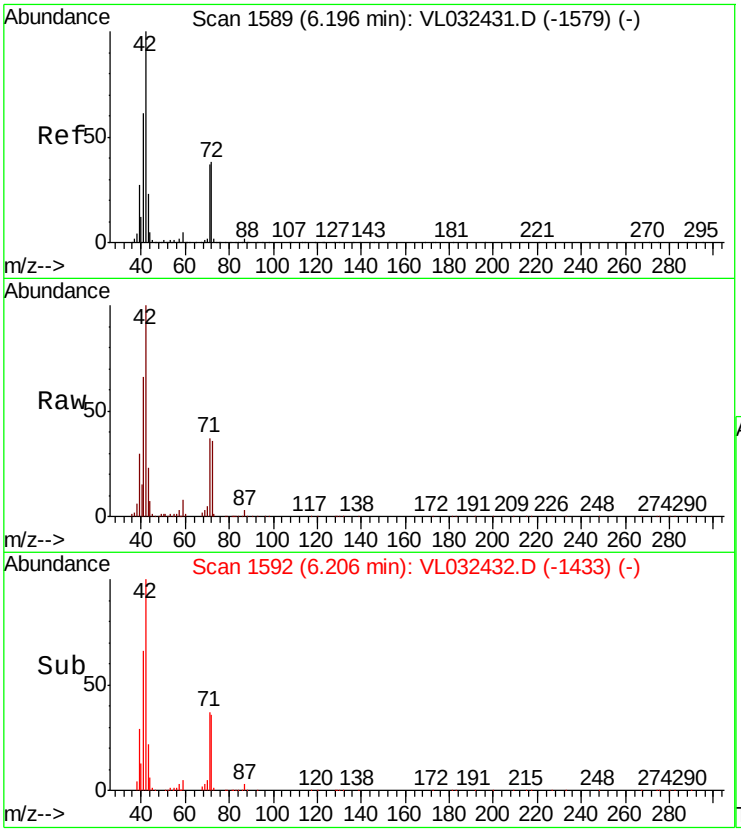


#40
1,4-Dioxane
Concen: 1.958 ppbv
RT: 8.03 min Scan# 2158
Delta R.T. 0.02 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 88 Resp: 86013

Ion	Ratio	Lower	Upper
88	100		
58	179.0	119.7	179.5
43	380.3	253.0	379.4#
57	1777.6	1156.9	1735.3#



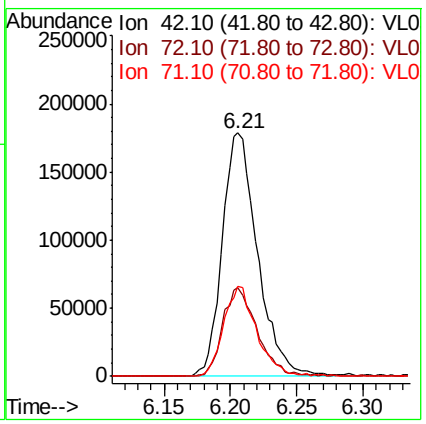


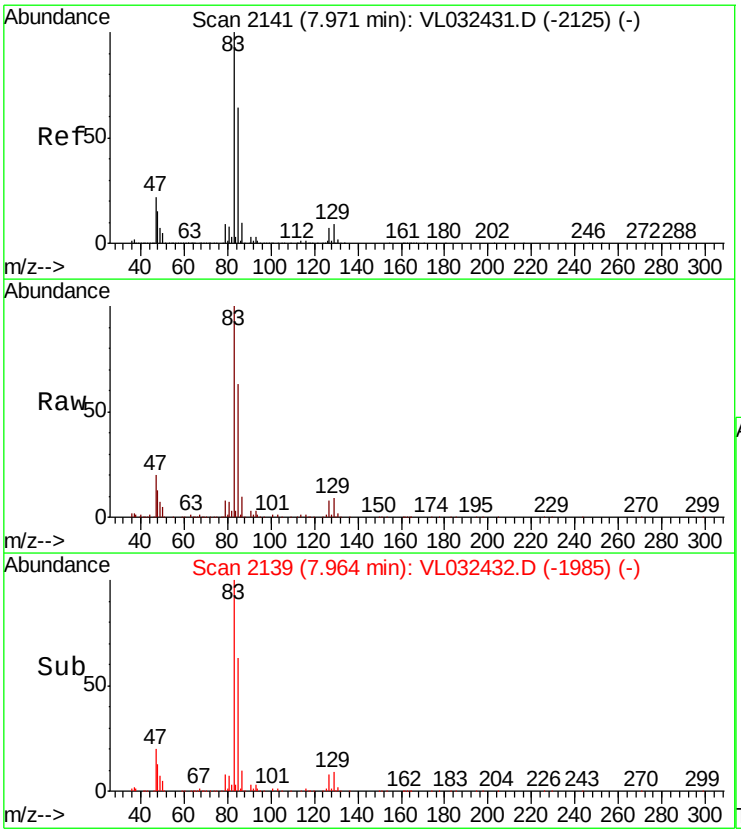
#41
Tetrahydrofuran
Concen: 2.282 ppbv
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 329447

Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.5	44.3
71	34.8	28.3	42.5

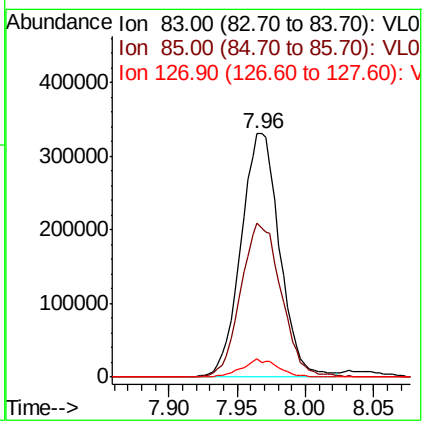


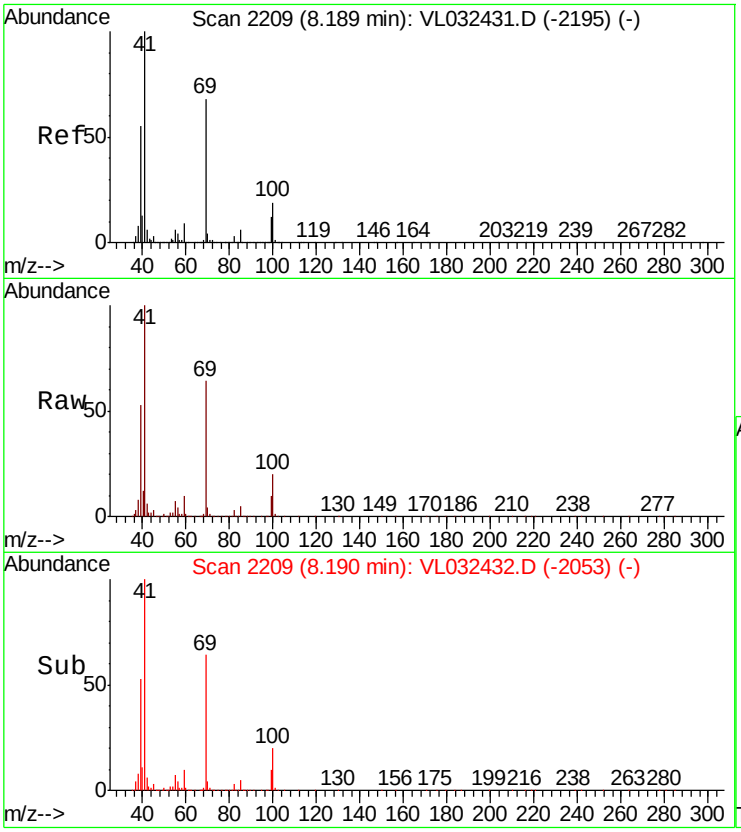


#42
Bromodichloromethane
Concen: 2.194 ppbv
RT: 7.96 min Scan# 2139
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 83 Resp: 651773

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.6	5.8	8.8



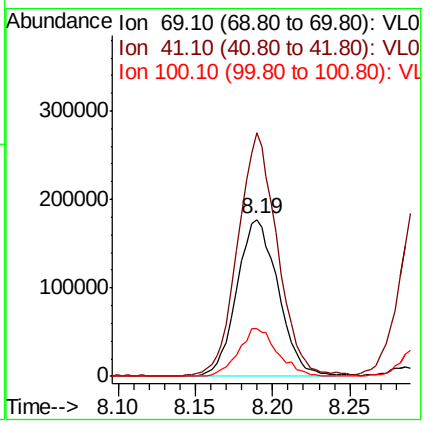


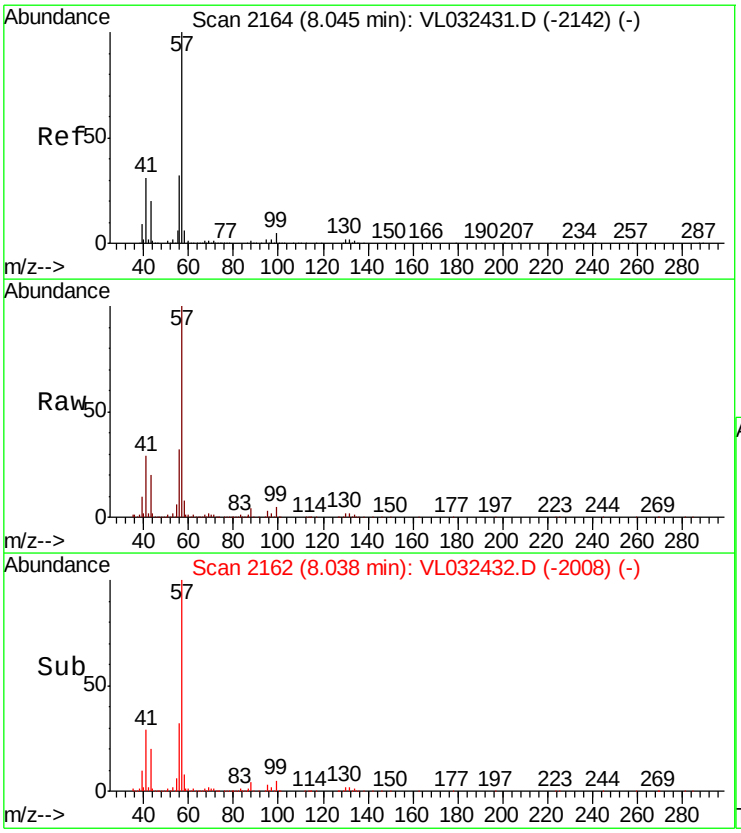
#43
Methyl Methacrylate
Concen: 2.278 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 329144

Ion	Ratio	Lower	Upper
69	100		
41	148.6	117.2	175.8
100	28.7	23.4	35.2

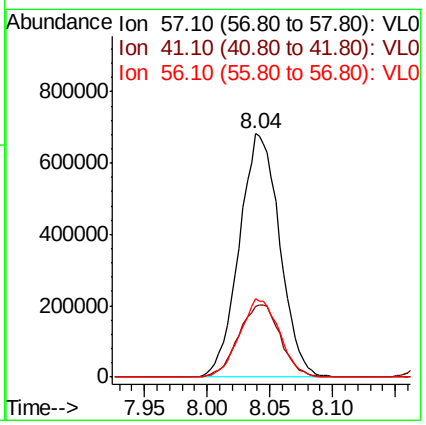


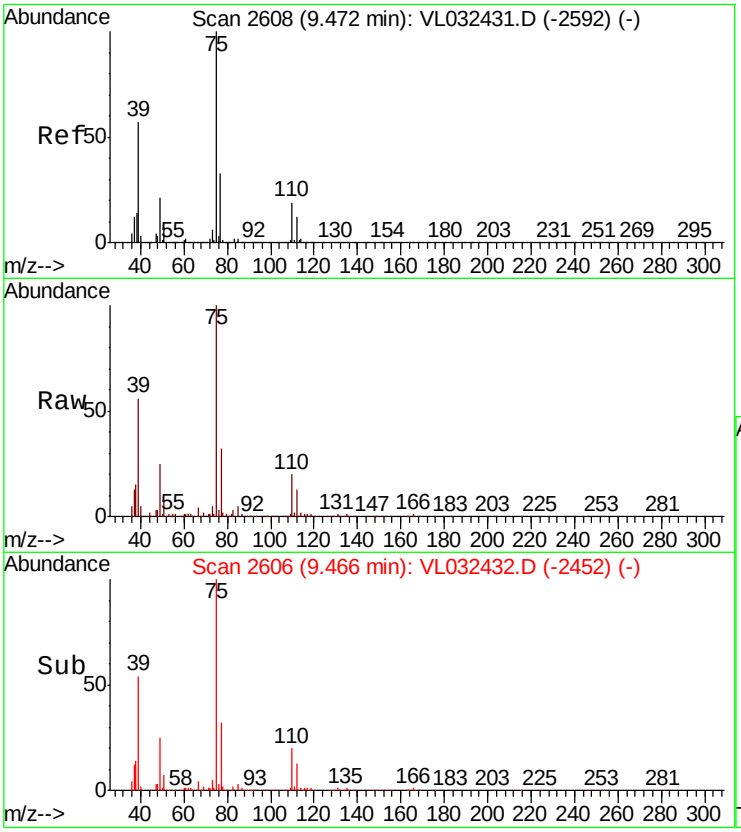


#44
2,2,4-Trimethylpentane
Concen: 2.330 ppbv
RT: 8.04 min Scan# 2162
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 57 Resp: 1525791

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.3	36.5
56	31.9	25.7	38.5



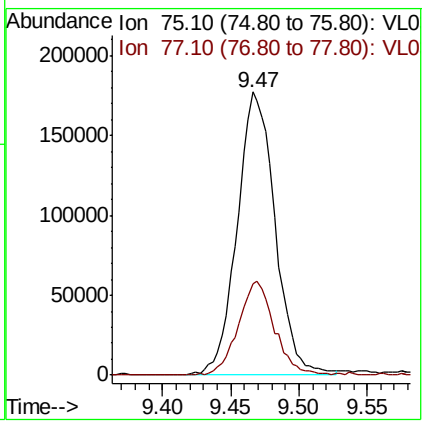


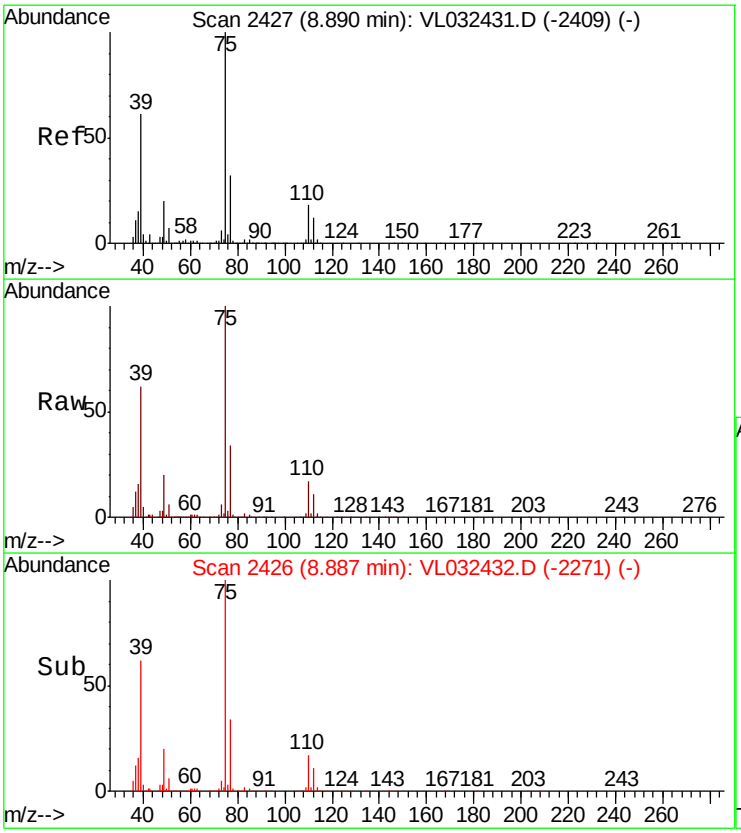
#45
t-1,3-Dichloropropene
Concen: 1.997 ppbv
RT: 9.47 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 342828

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2

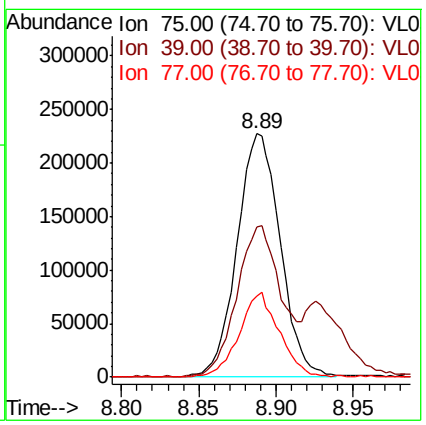


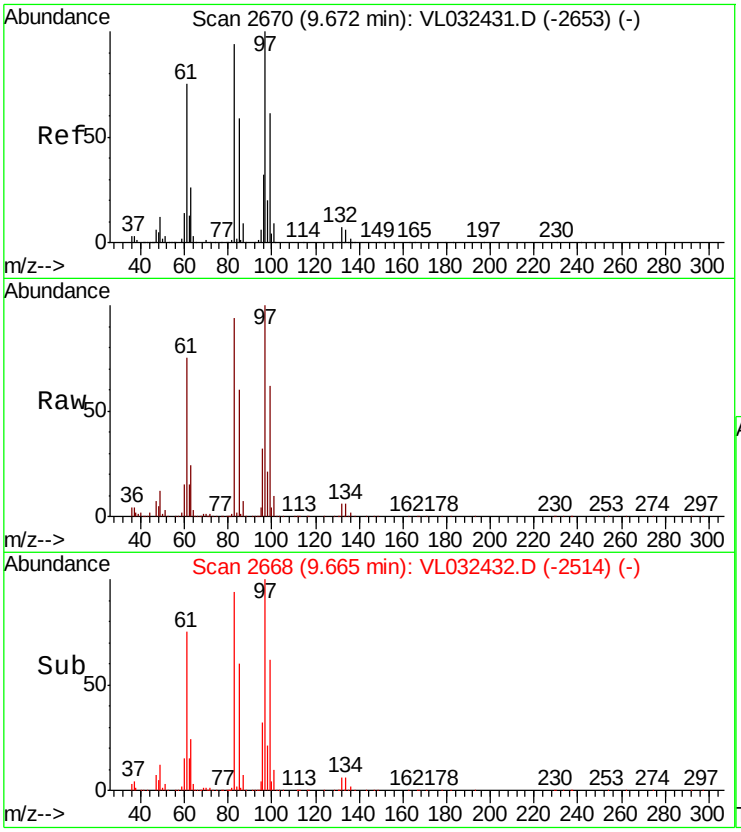


#46
cis-1,3-Dichloropropene
Concen: 2.094 ppbv
RT: 8.89 min Scan# 2426
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 75 Resp: 439866

Ion	Ratio	Lower	Upper
75	100		
39	61.3	48.9	73.3
77	33.6	25.4	38.0



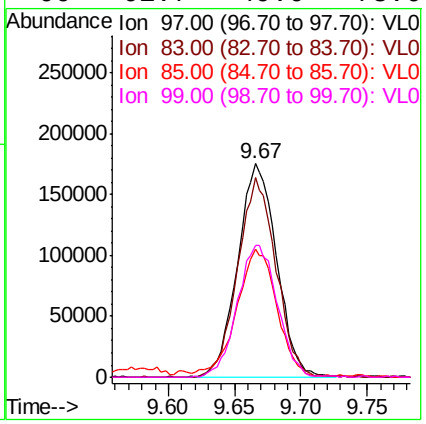


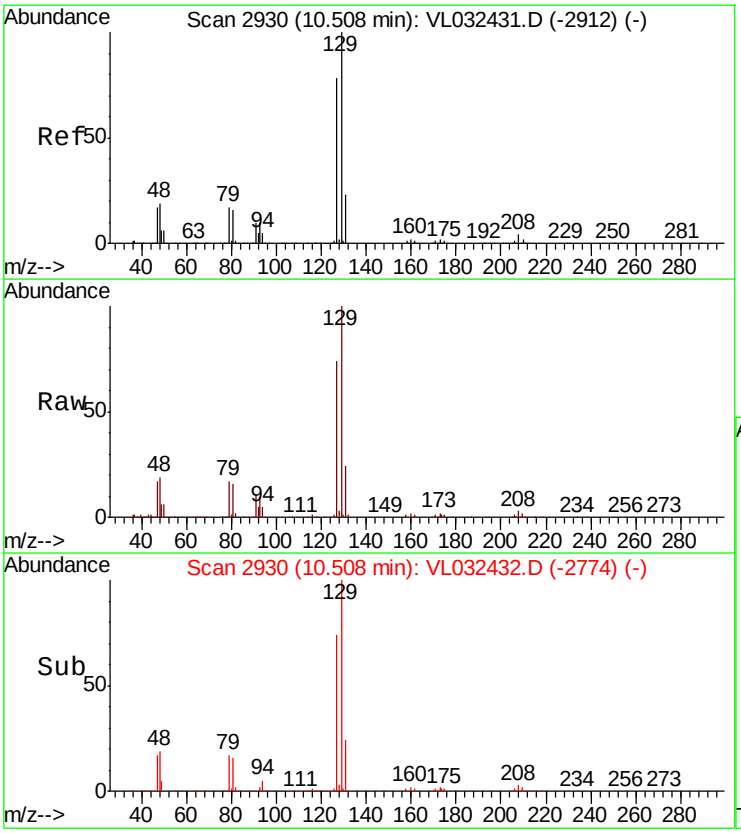
#47
1,1,2-Trichloroethane
Concen: 2.276 ppbv
RT: 9.67 min Scan# 2668
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 359173

Ion	Ratio	Lower	Upper
97	100		
83	93.7	75.0	112.4
85	59.4	47.5	71.3
99	61.7	49.0	73.6

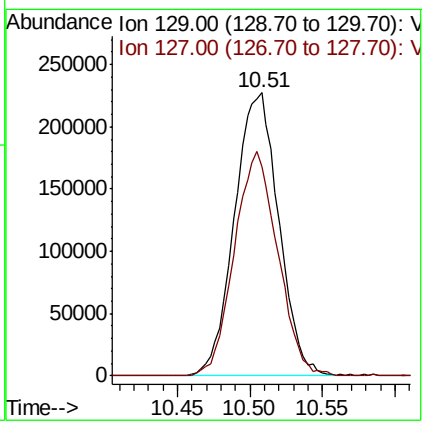


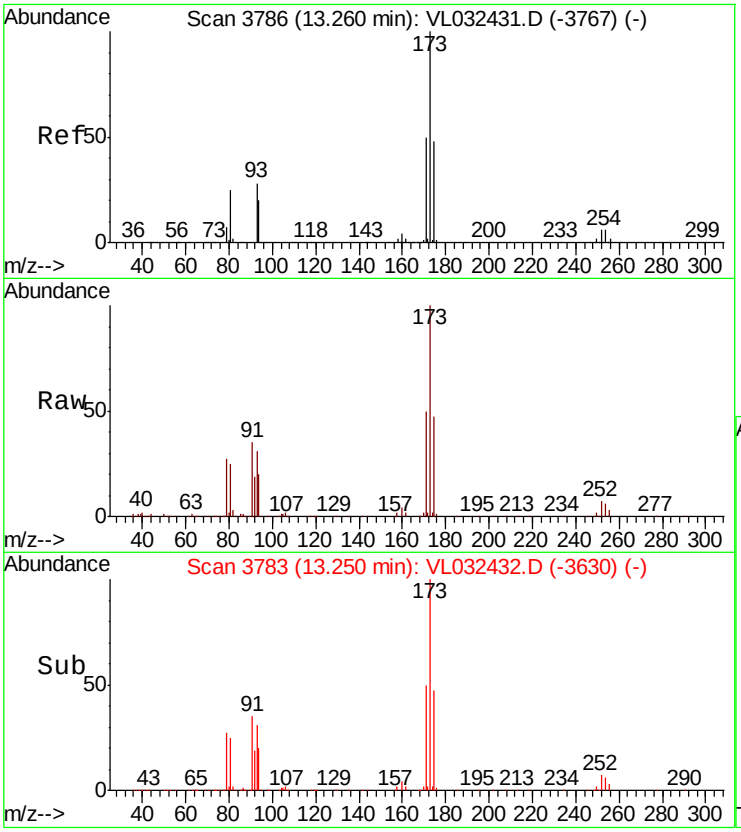


#48
Dibromochloromethane
Concen: 2.158 ppbv
RT: 10.51 min Scan# 2930
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:129 Resp: 479845

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.3



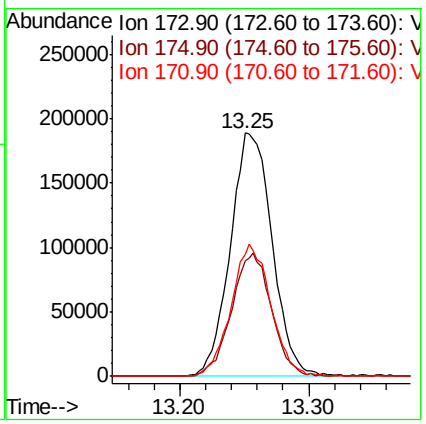


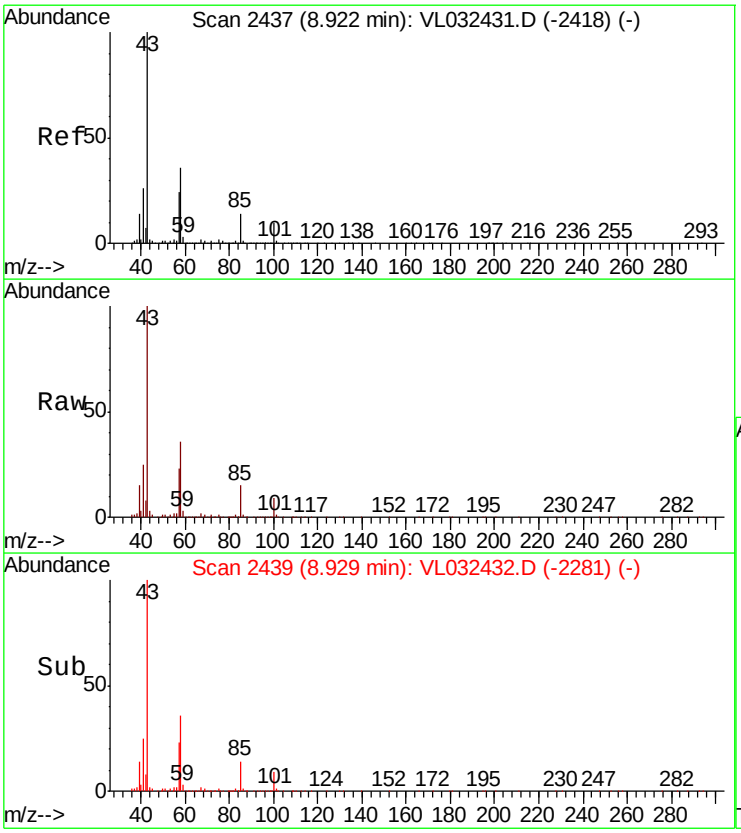
#49
Bromoform
Concen: 2.184 ppbv
RT: 13.25 min Scan# 3783
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 426535

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.9	58.3
171	51.6	41.6	62.4

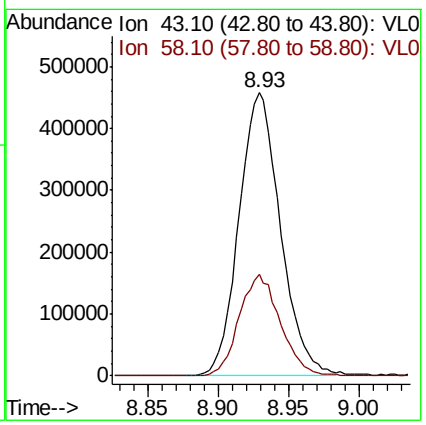


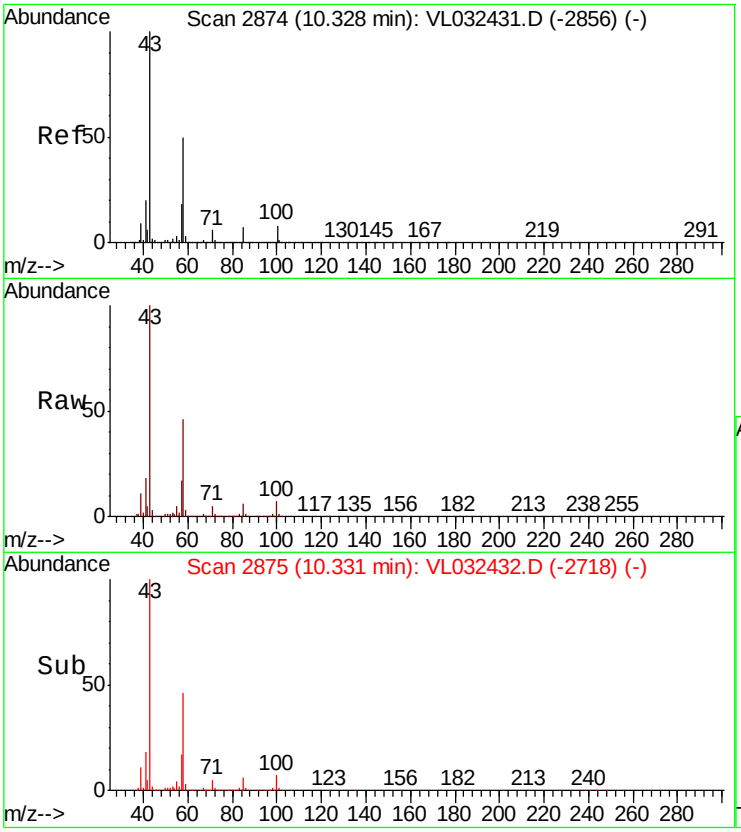


#50
4-Methyl-2-Pentanone
Concen: 2.256 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 43 Resp: 943529

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3



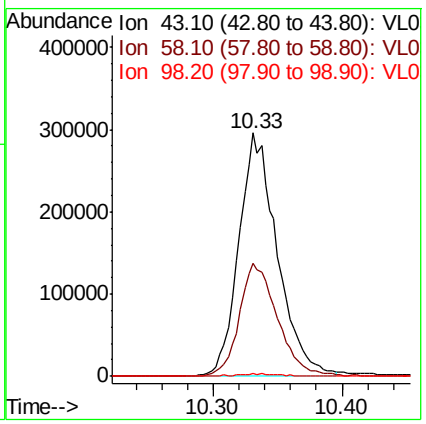


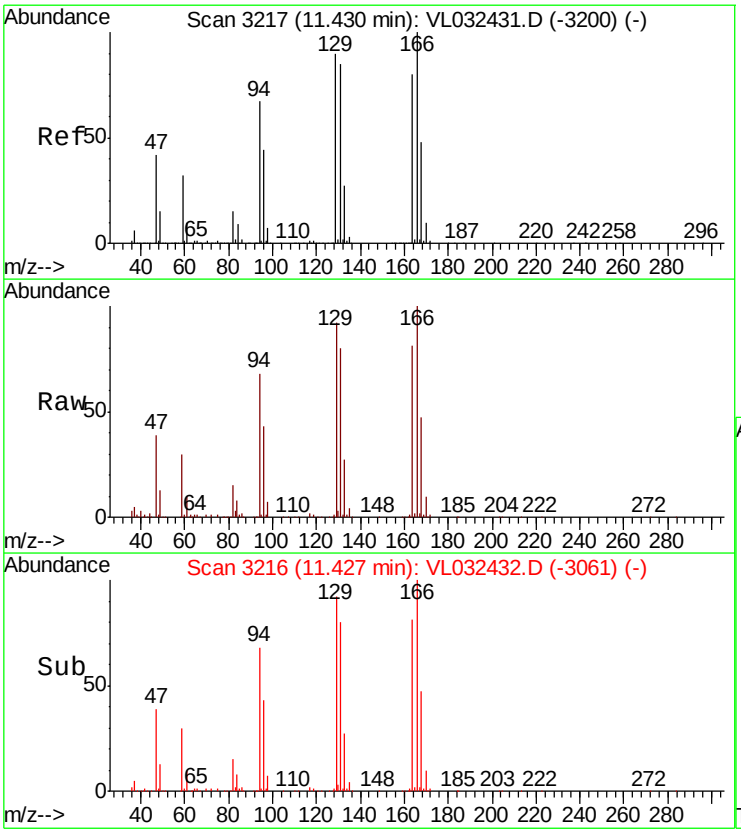
#51
2-Hexanone
Concen: 2.219 ppbv
RT: 10.33 min Scan# 2875
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 612858

Ion	Ratio	Lower	Upper
43	100		
58	46.2	39.2	58.8
98	1.2	0.4	0.6#

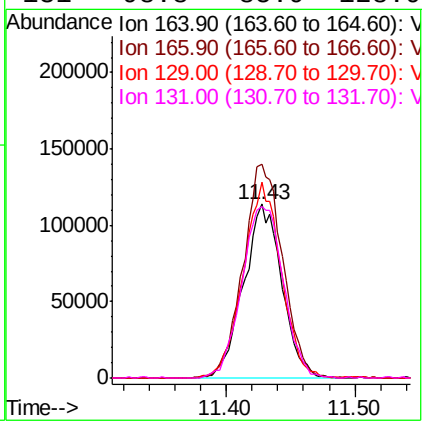


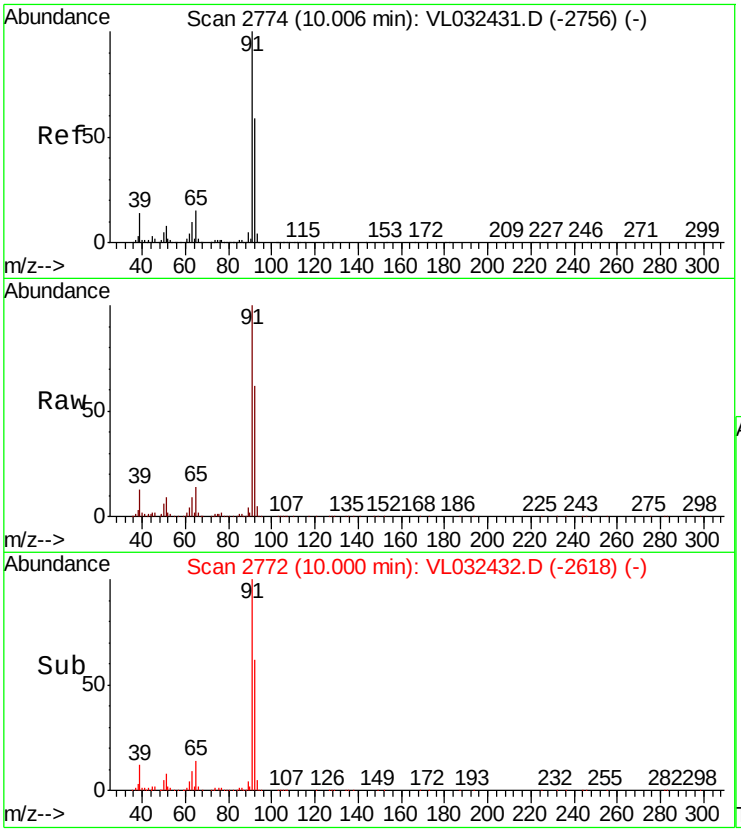


#52
Tetrachloroethene
Concen: 2.349 ppbv
RT: 11.43 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:164 Resp: 236465

Ion	Ratio	Lower	Upper
164	100		
166	123.0	100.6	150.8
129	113.1	89.9	134.9
131	98.8	85.9	128.9



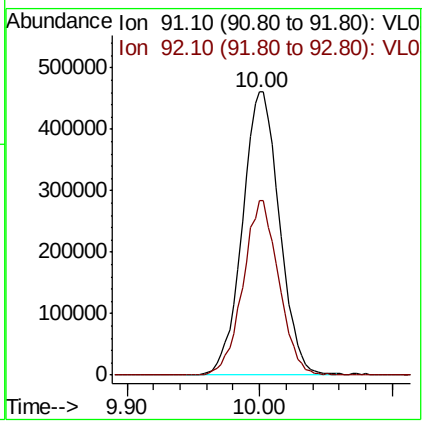


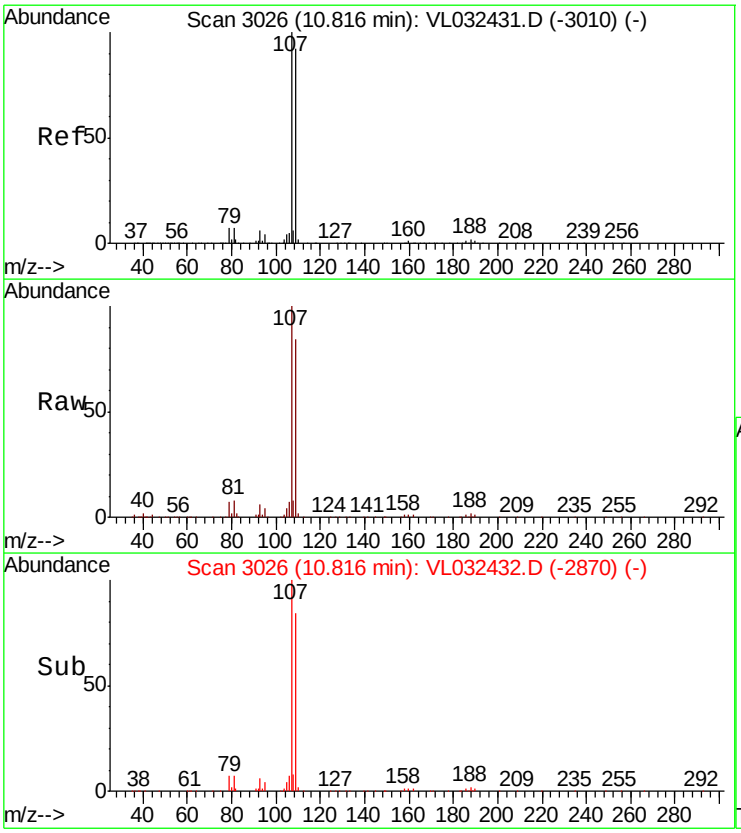
#53
Toluene
Concen: 2.432 ppbv
RT: 10.00 min Scan# 2772
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 893664

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.1	72.1

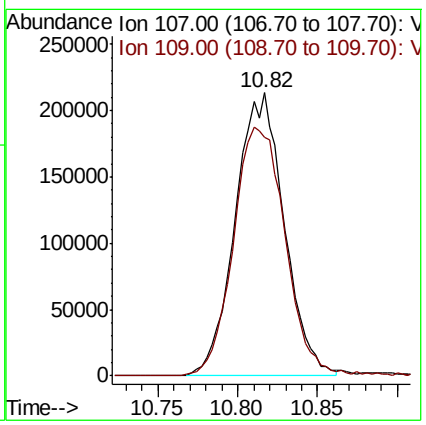


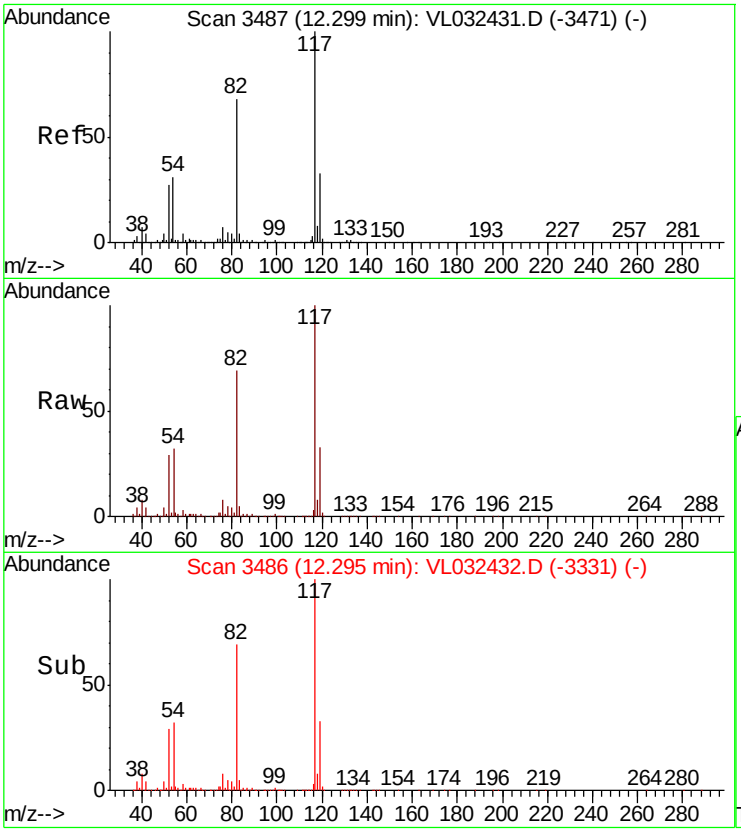


#54
1,2-Dibromoethane
Concen: 1.953 ppbv
RT: 10.82 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:107 Resp: 445175

Ion	Ratio	Lower	Upper
107	100		
109	84.0	73.9	110.9



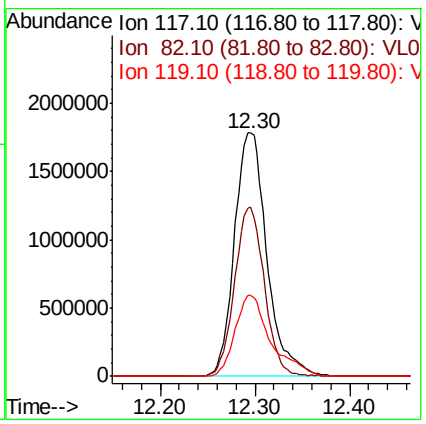


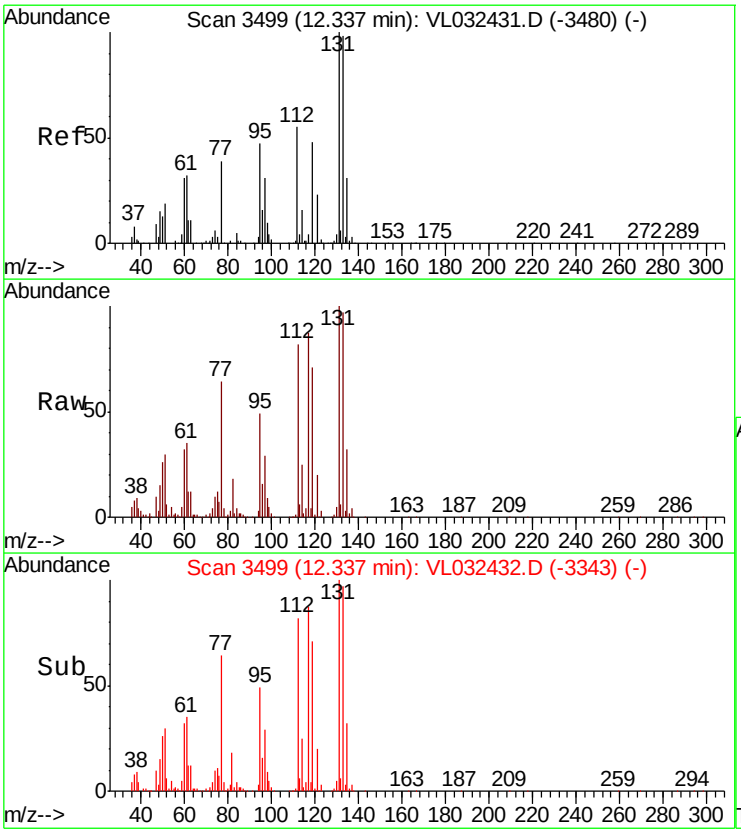
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 4260596

Ion	Ratio	Lower	Upper
117	100		
82	63.9	51.5	77.3
119	36.6	44.6	66.8#

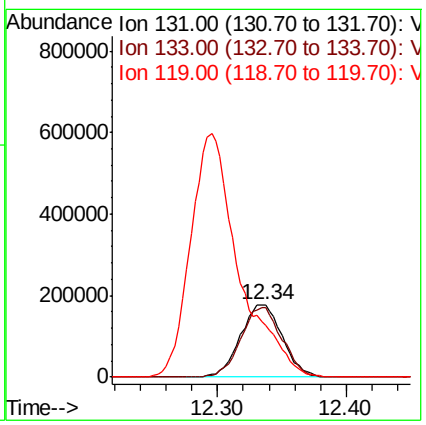


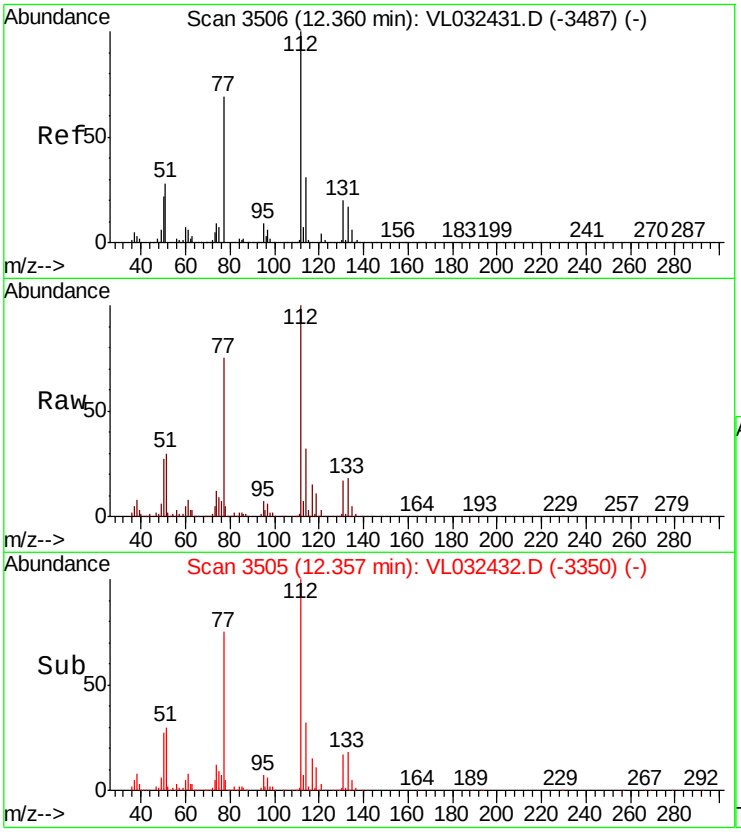


#56
1,1,1,2-Tetrachloroethane
Concen: 2.190 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:131 Resp: 401587

Ion	Ratio	Lower	Upper
131	100		
133	94.7	77.0	115.4
119	388.7	48.9	73.3#



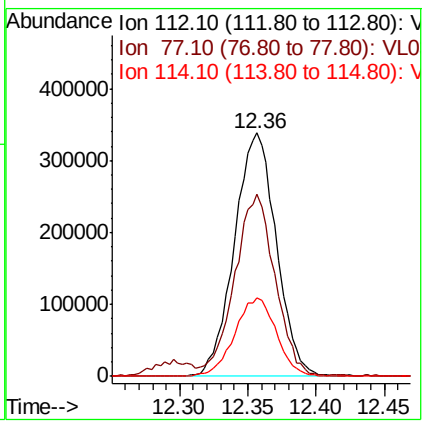


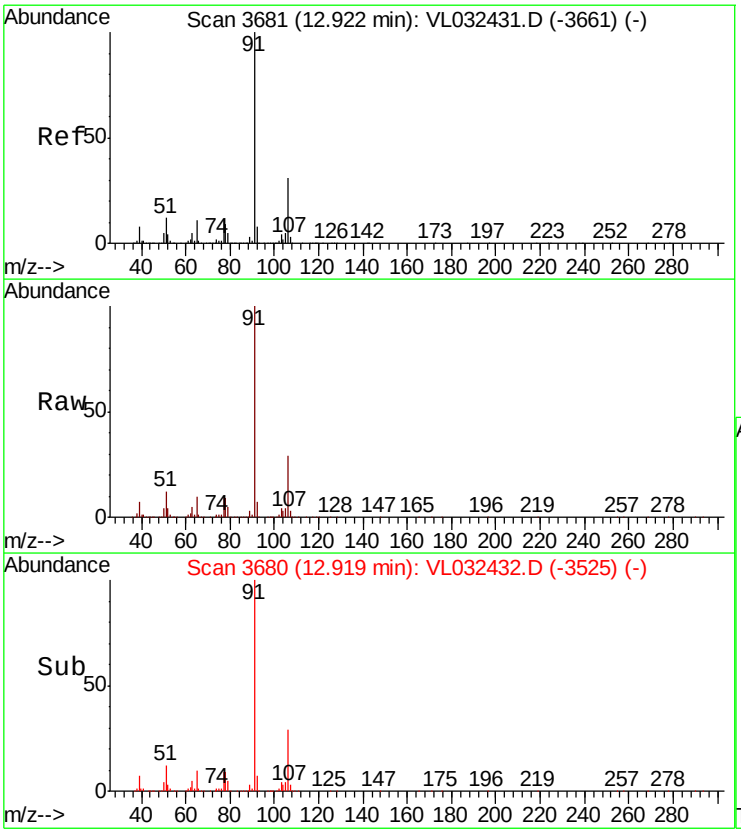
#57
Chlorobenzene
Concen: 2.201 ppbv
RT: 12.36 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 718571

Ion	Ratio	Lower	Upper
112	100		
77	74.3	56.1	84.1
114	32.0	27.8	34.0

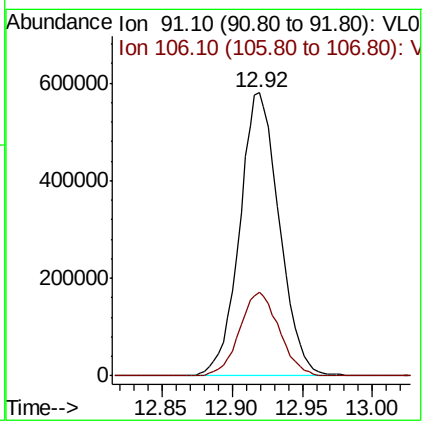


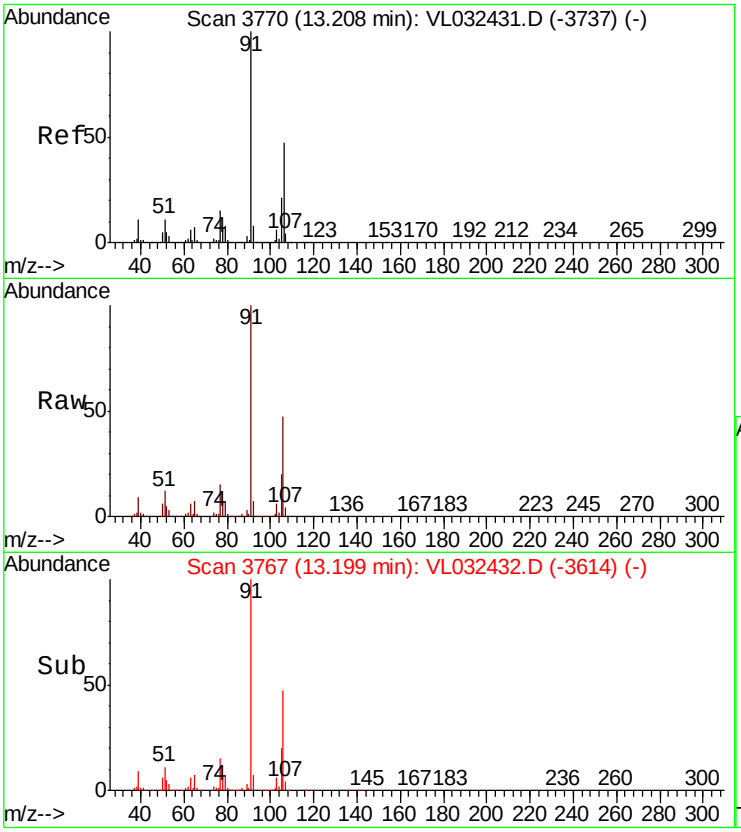


#58
Ethyl Benzene
Concen: 2.340 ppbv
RT: 12.92 min Scan# 3680
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 91 Resp: 1137001

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.8	37.2



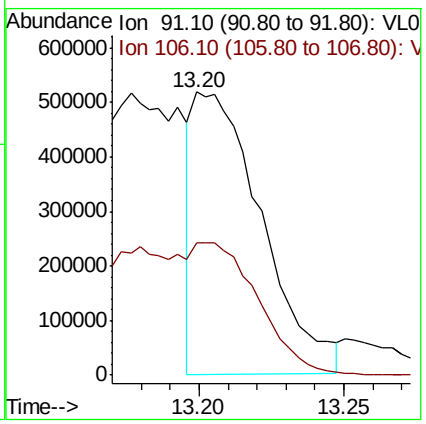


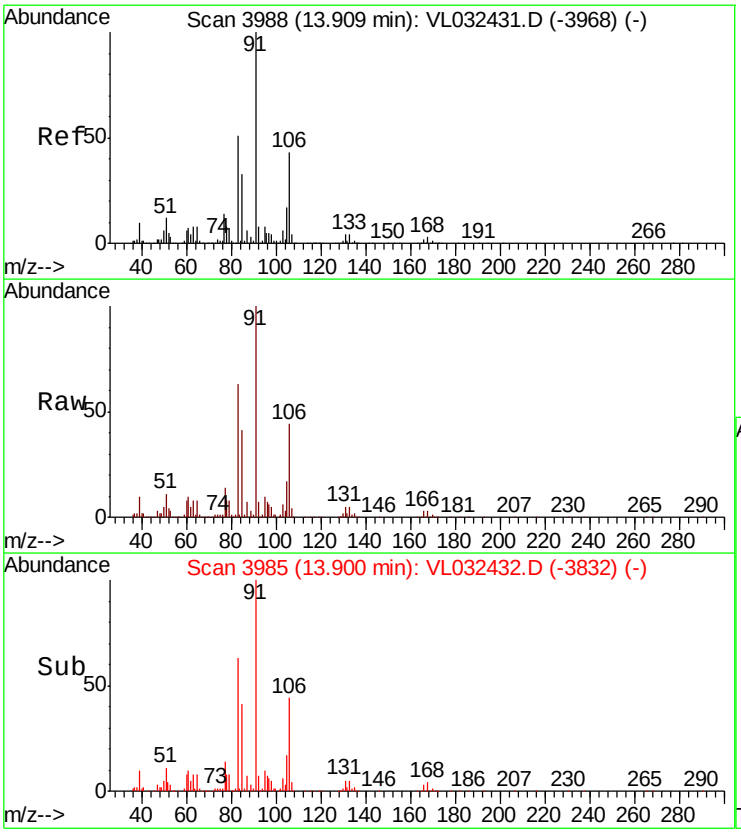
#59
m/p-Xylene
Concen: 1.945 ppbv
RT: 13.20 min Scan# 3767
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 841765

Ion	Ratio	Lower	Upper
91	100		
106	106.3	35.0	52.6#

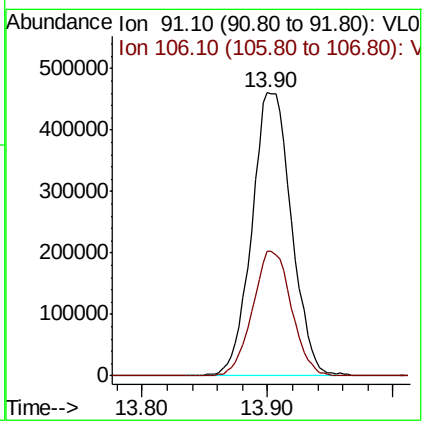


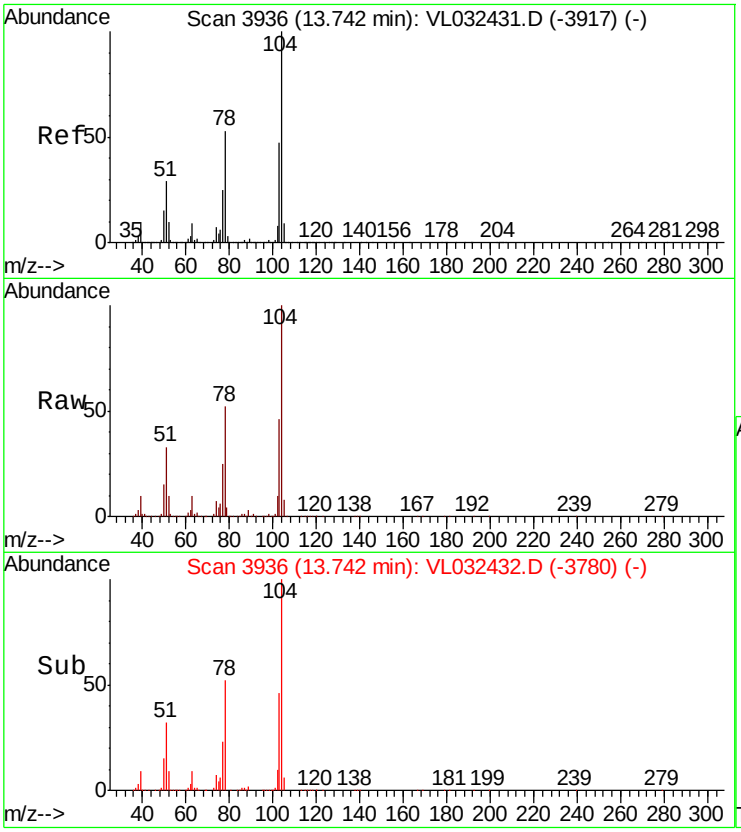


#60
o-Xylene
Concen: 2.432 ppbv
RT: 13.90 min Scan# 3985
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 91 Resp: 1011195

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.7



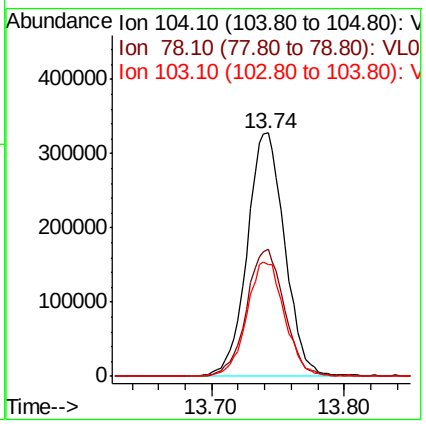


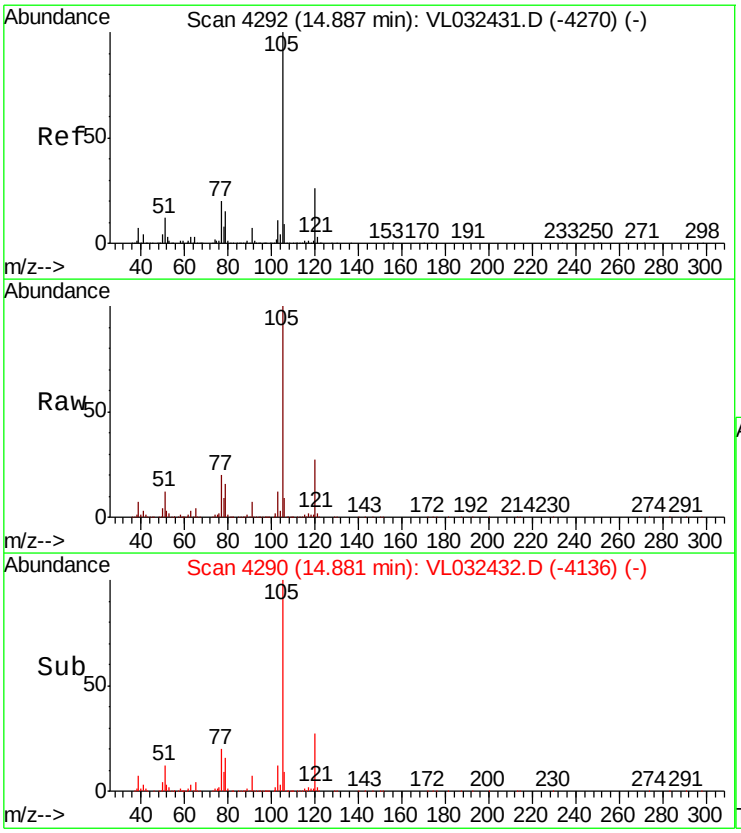
#61
Styrene
Concen: 2.302 ppbv
RT: 13.74 min Scan# 3936
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 643334

Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.8	62.8
103	47.6	38.0	57.0

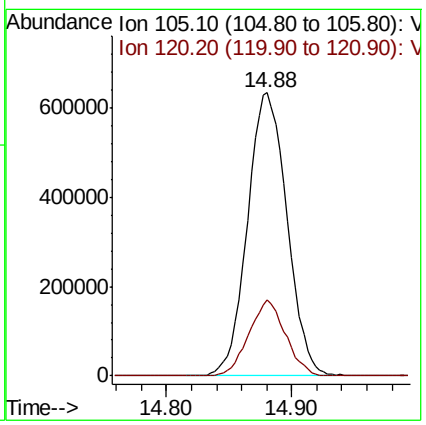


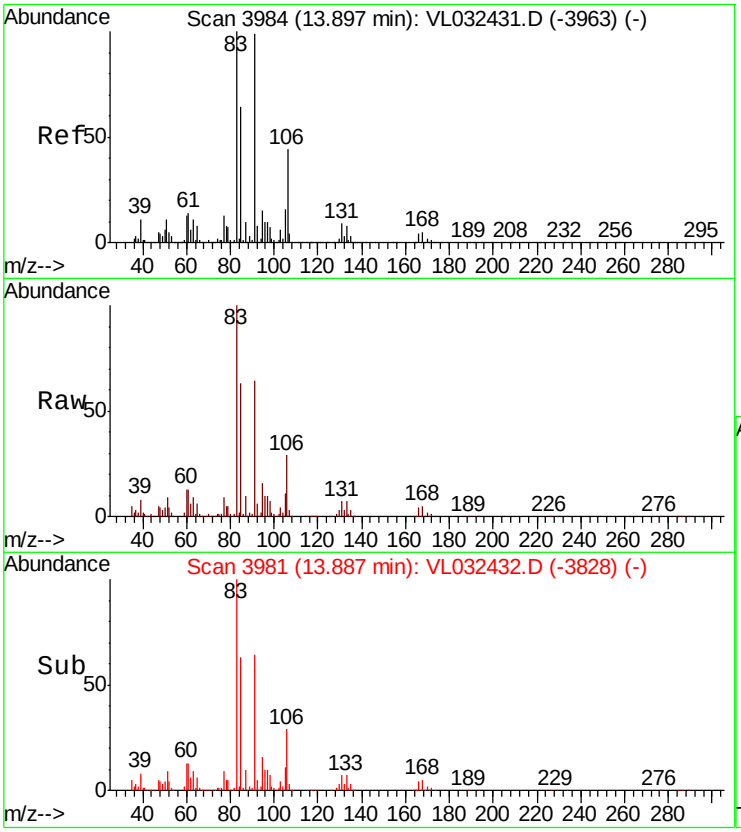


#62
Isopropylbenzene
Concen: 2.359 ppbv
RT: 14.88 min Scan# 4290
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:105 Resp: 1388857

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	31.0



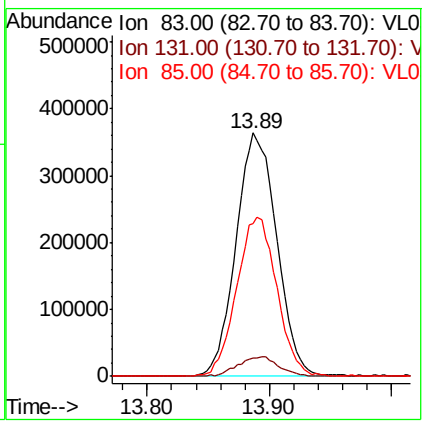


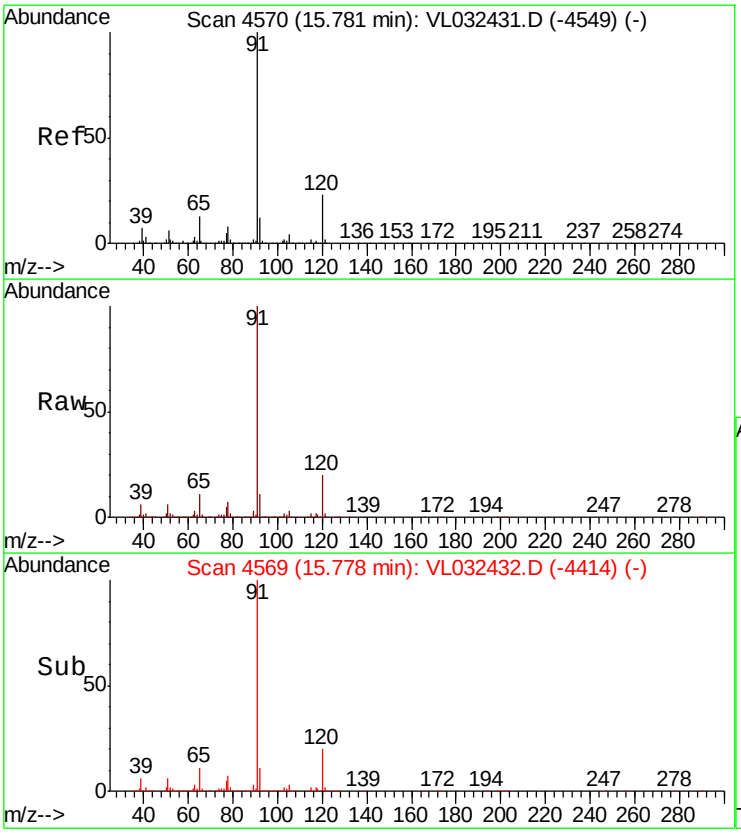
#63
1,1,2,2-Tetrachloroethane
Concen: 2.308 ppbv
RT: 13.89 min Scan# 3981
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 838405

Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.3	12.8
85	64.7	32.3	96.8

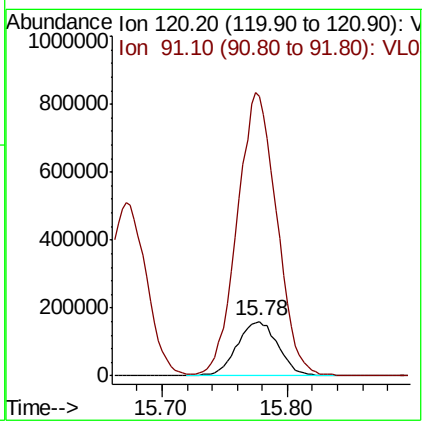


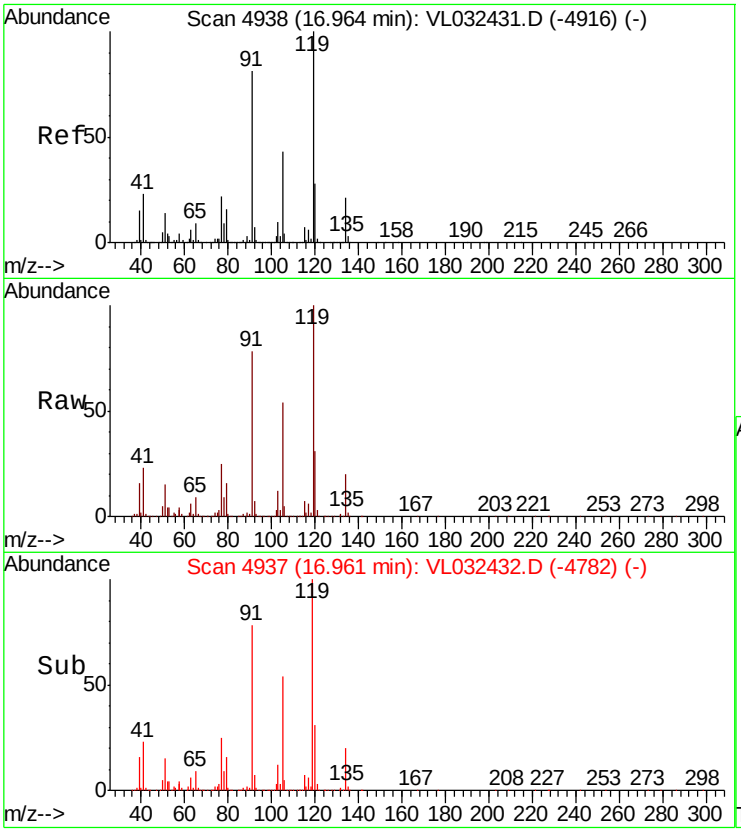


#64
n-propylbenzene
Concen: 2.349 ppbv
RT: 15.78 min Scan# 4569
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:120 Resp: 361492

Ion	Ratio	Lower	Upper
120	100		
91	507.8	381.8	572.6



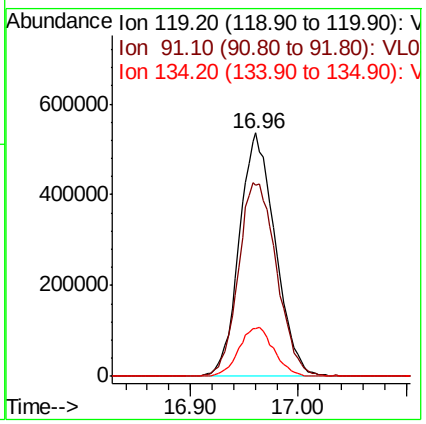


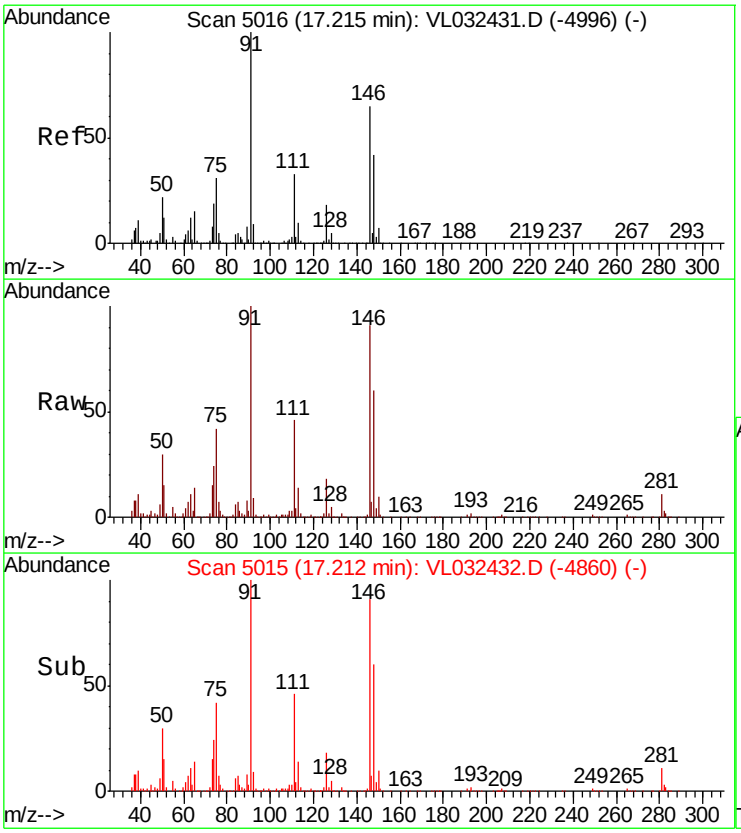
#65
tert-Butylbenzene
Concen: 2.451 ppbv
RT: 16.96 min Scan# 4937
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1239017

Ion	Ratio	Lower	Upper
119	100		
91	85.0	66.5	99.7
134	19.7	16.0	24.0

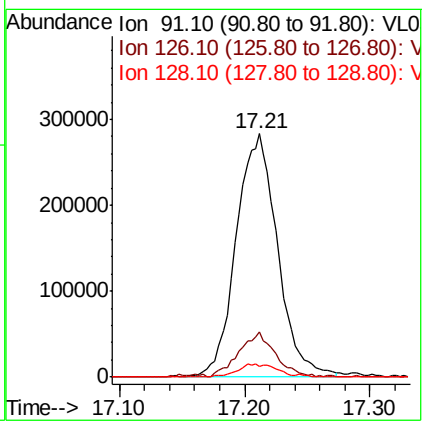


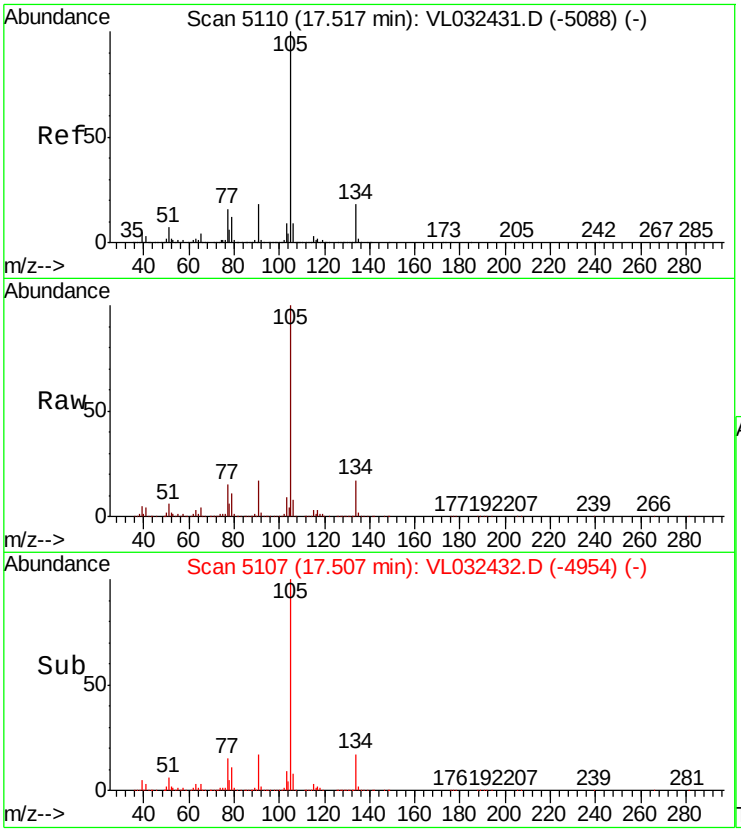


#66
Benzyl Chloride
Concen: 2.057 ppbv
RT: 17.21 min Scan# 5015
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 91 Resp: 644927

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.8
128	5.4	4.4	6.6



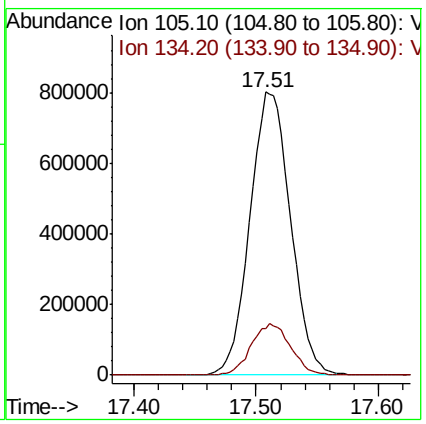


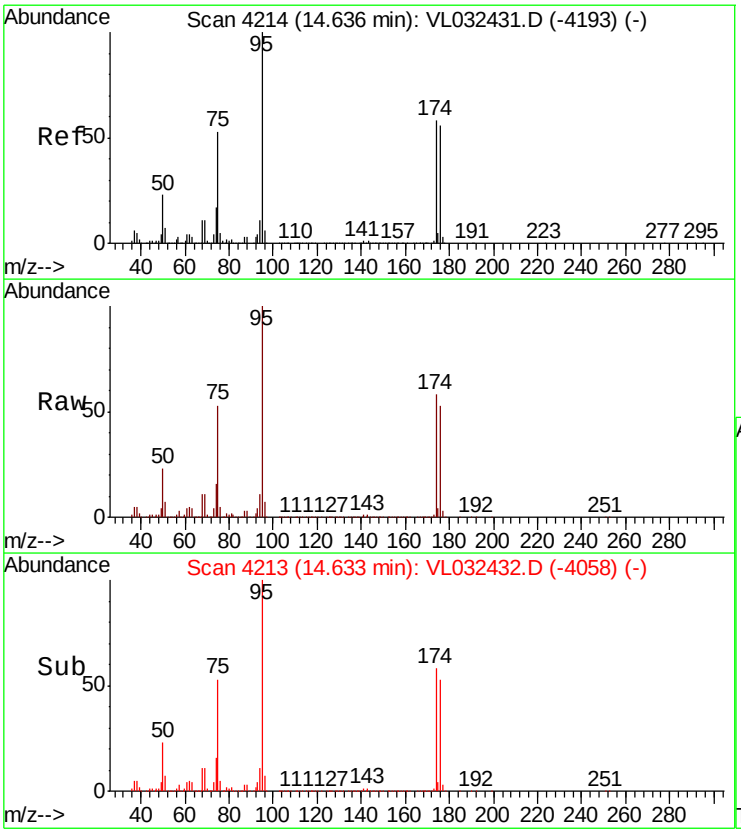
#67
sec-Butylbenzene
Concen: 2.450 ppbv
RT: 17.51 min Scan# 5107
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:105 Resp: 1841779

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.4	21.6

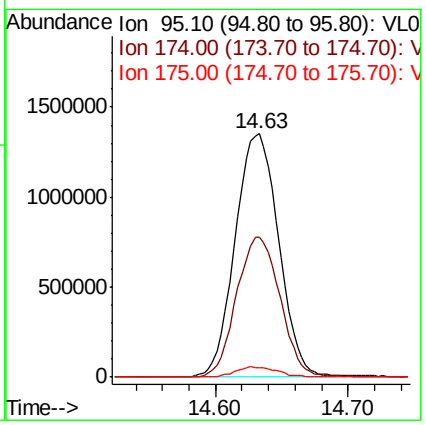


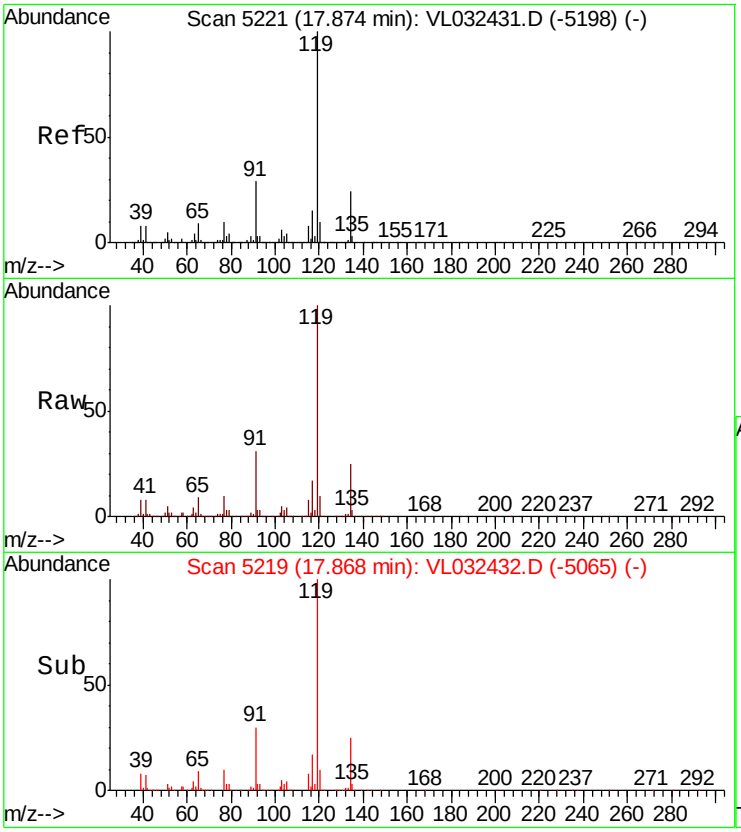


#68
1-Bromo-4-Fluorobenzene
Concen: 9.698 ppbv
RT: 14.63 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 95 Resp: 3079753

Ion	Ratio	Lower	Upper
95	100		
174	58.3	46.3	69.5
175	4.1	3.4	5.0



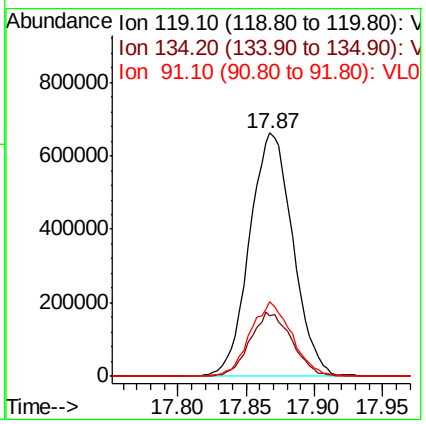


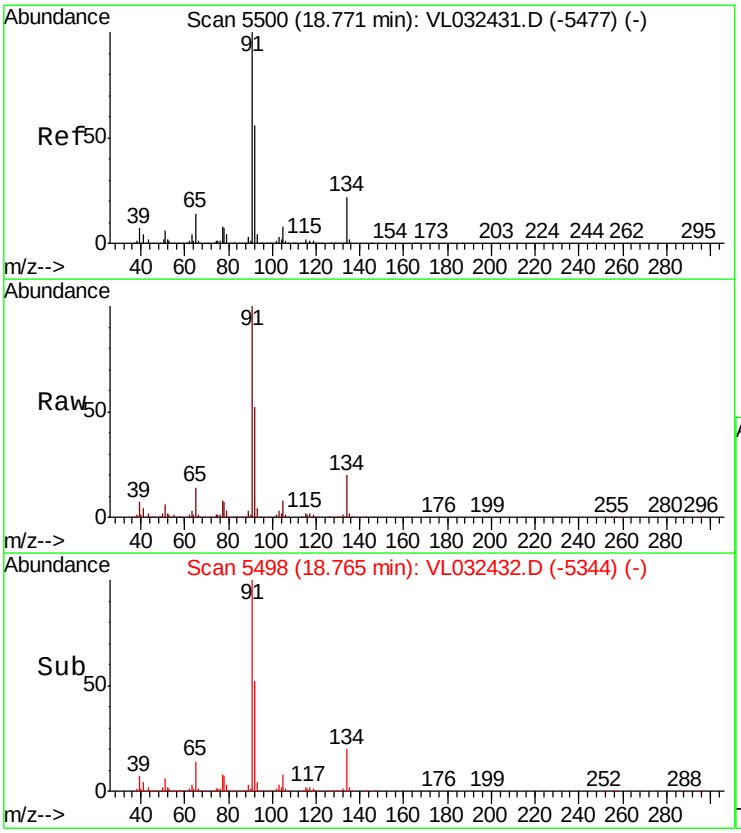
#69
p-Isopropyltoluene
Concen: 2.526 ppbv
RT: 17.87 min Scan# 5219
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 1456171

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.7	23.4	35.0

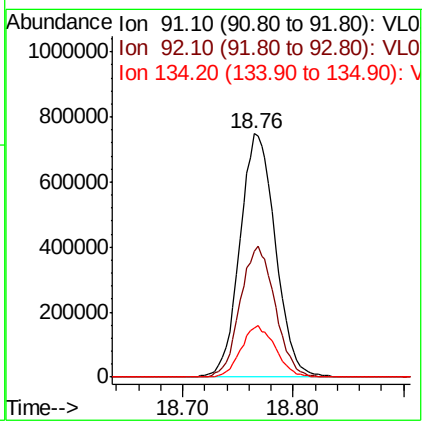


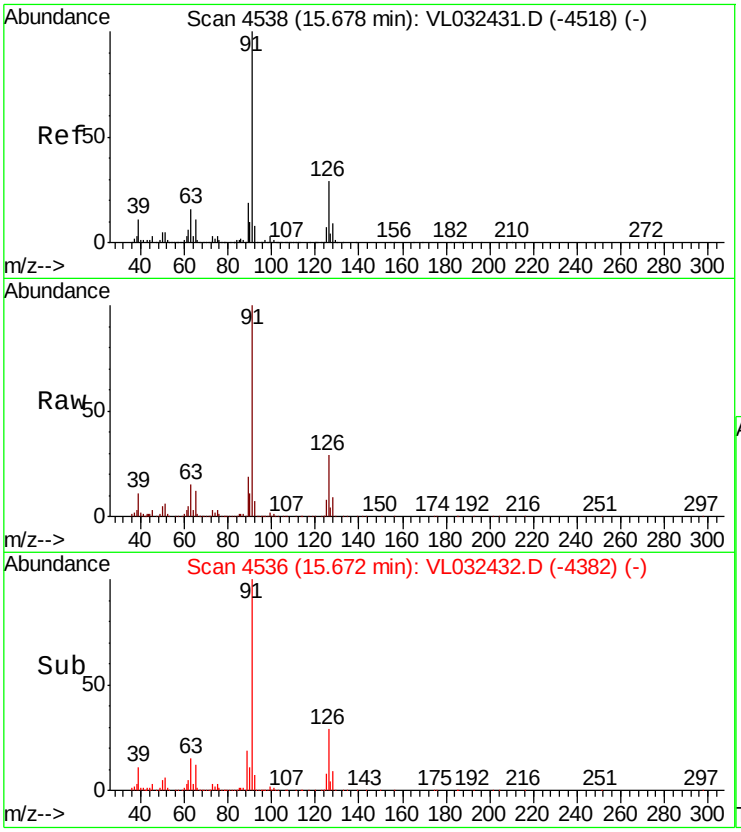


#70
n-Butylbenzene
Concen: 2.601 ppbv
RT: 18.76 min Scan# 5498
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion: 91 Resp: 1662698

Ion	Ratio	Lower	Upper
91	100		
92	52.9	43.8	65.8
134	20.6	17.4	26.0



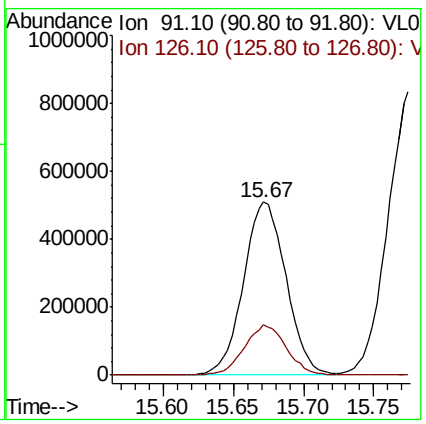


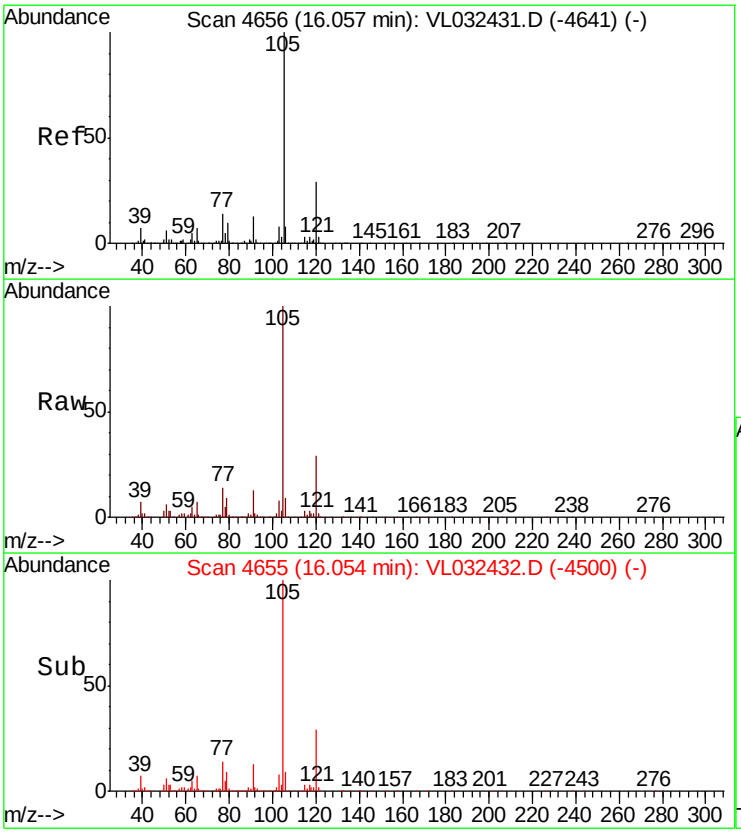
#71
2-Chlorotoluene
Concen: 2.396 ppbv
RT: 15.67 min Scan# 4536
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1078127

Ion	Ratio	Lower	Upper
91	100		
126	28.7	11.9	47.7

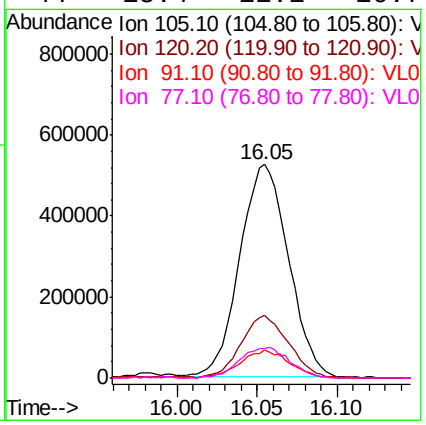


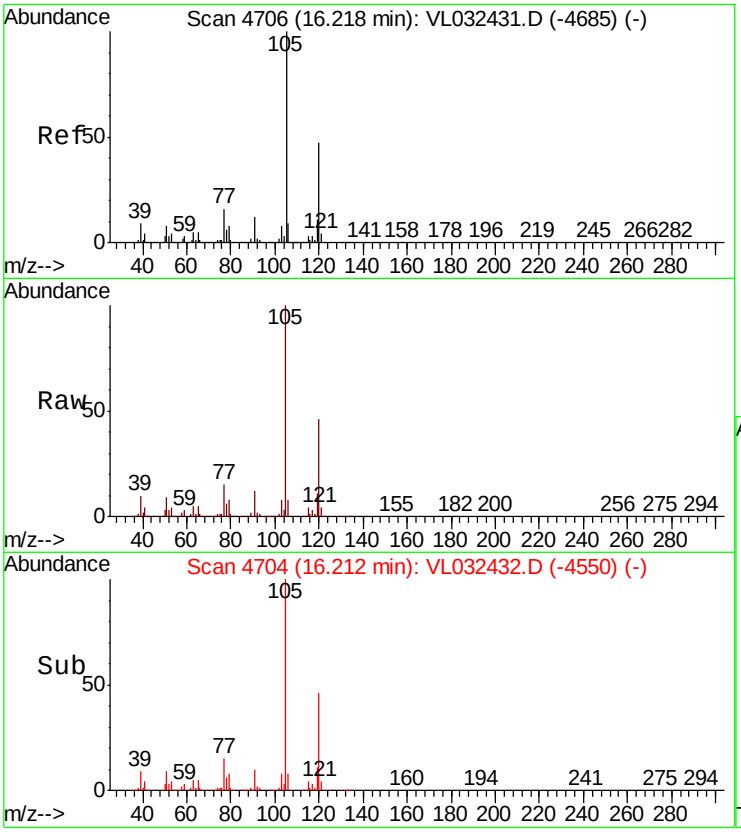


#72
4-Ethyltoluene
Concen: 2.407 ppbv
RT: 16.05 min Scan# 4655
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:105 Resp: 1090619

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.5	35.3
91	14.0	10.2	15.2
77	15.4	11.1	16.7



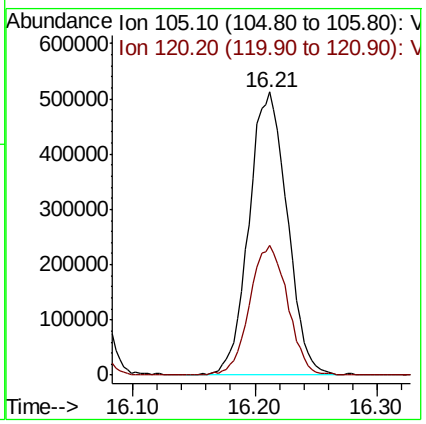


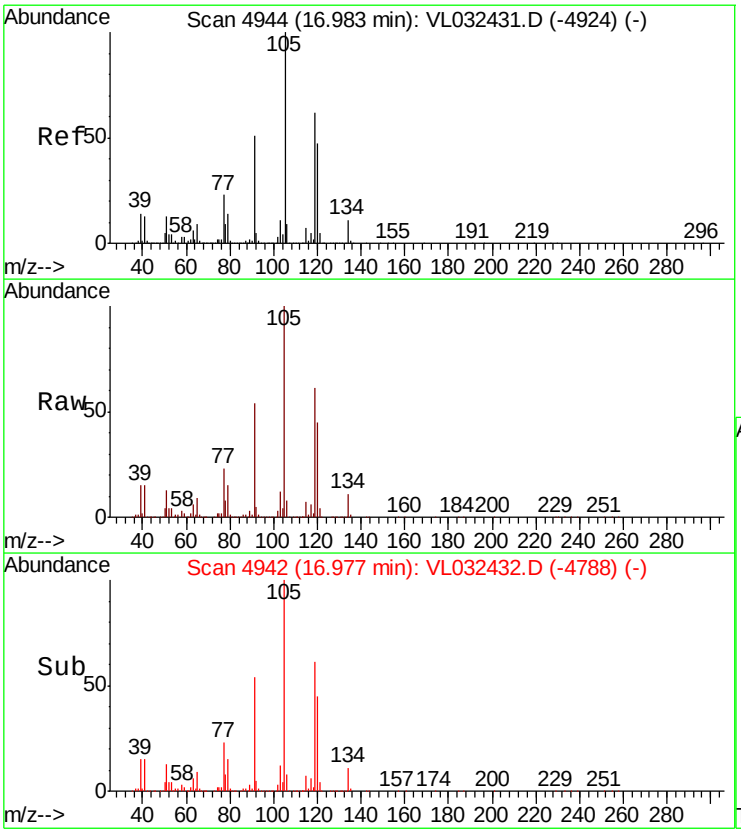
#73
1,3,5-Trimethylbenzene
Concen: 2.547 ppbv
RT: 16.21 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1102505

Ion	Ratio	Lower	Upper
105	100		
120	45.7	37.9	56.9

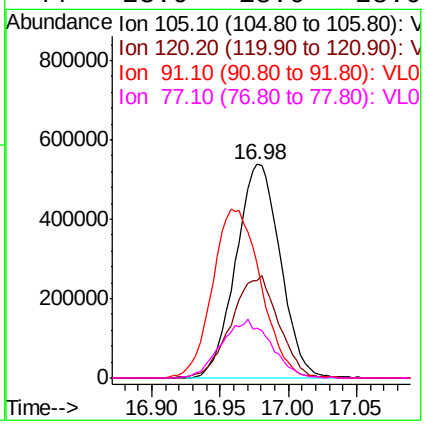


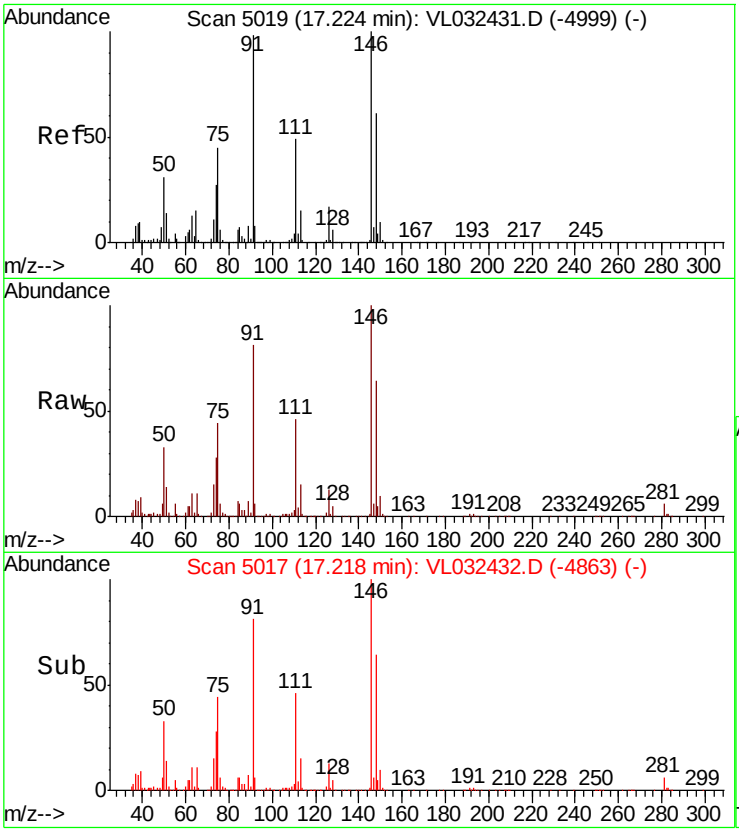


#74
1,2,4-Trimethylbenzene
Concen: 2.603 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:105 Resp: 1216000

Ion	Ratio	Lower	Upper
105	100		
120	45.1	37.8	56.8
91	53.4	41.4	62.0
77	23.0	18.6	28.0



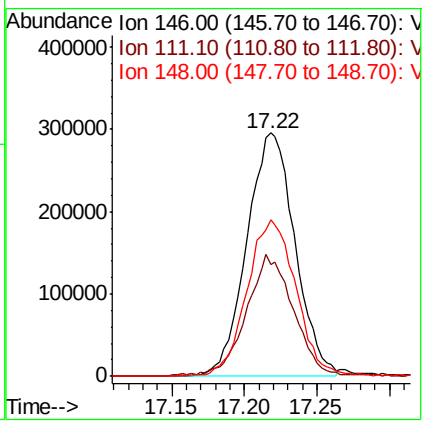


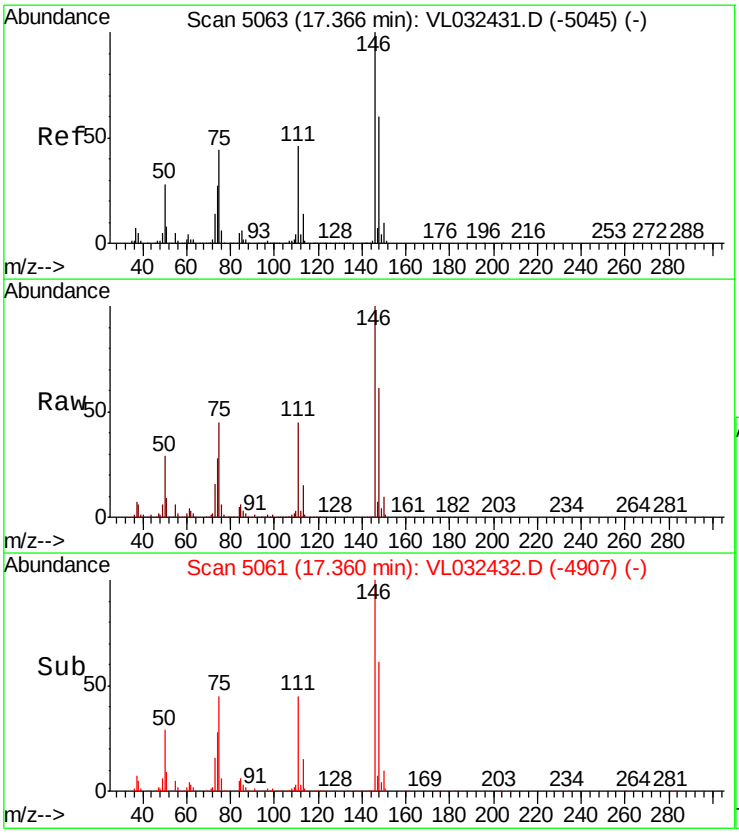
#75
1,3-Dichlorobenzene
Concen: 2.281 ppbv
RT: 17.22 min Scan# 5017
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 679489

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.6	73.6
148	66.0	32.0	96.2

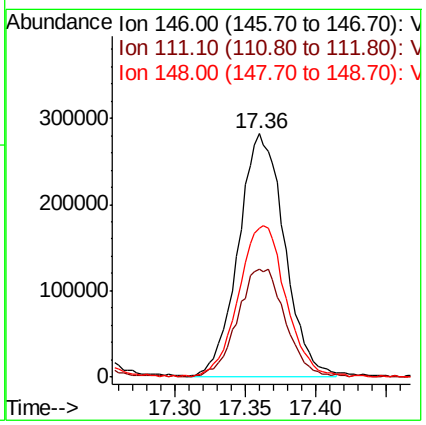


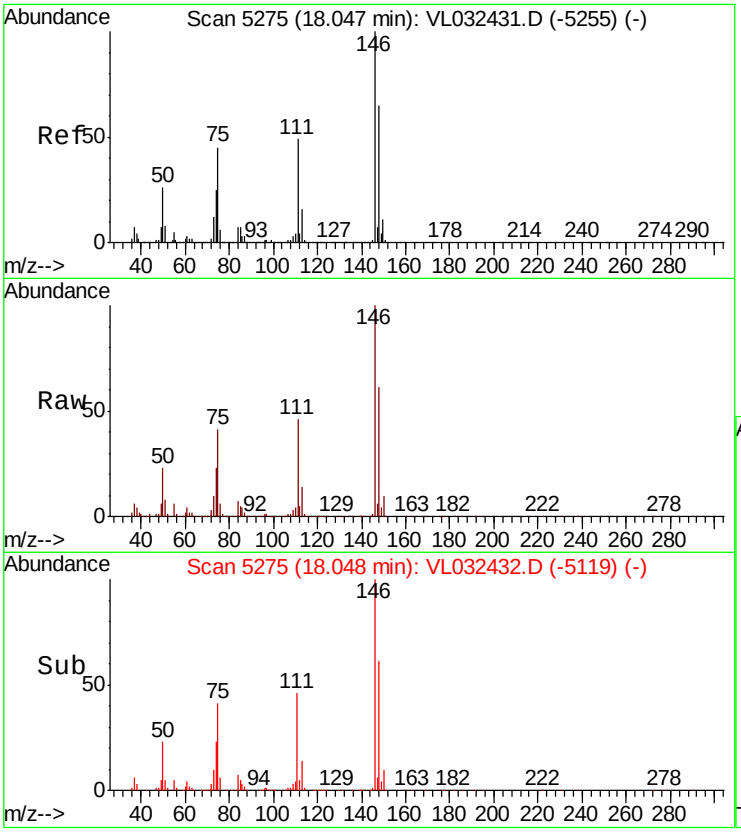


#76
1,4-Dichlorobenzene
Concen: 2.332 ppbv
RT: 17.36 min Scan# 5061
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:146 Resp: 638748

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.3
148	64.8	31.9	95.9



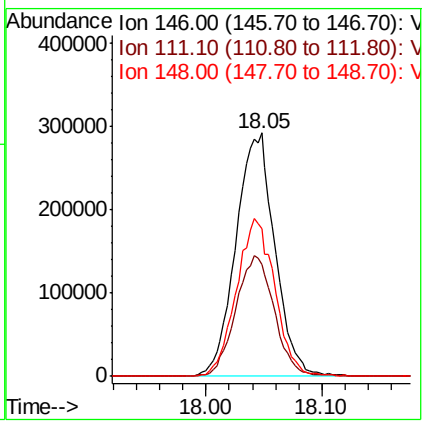


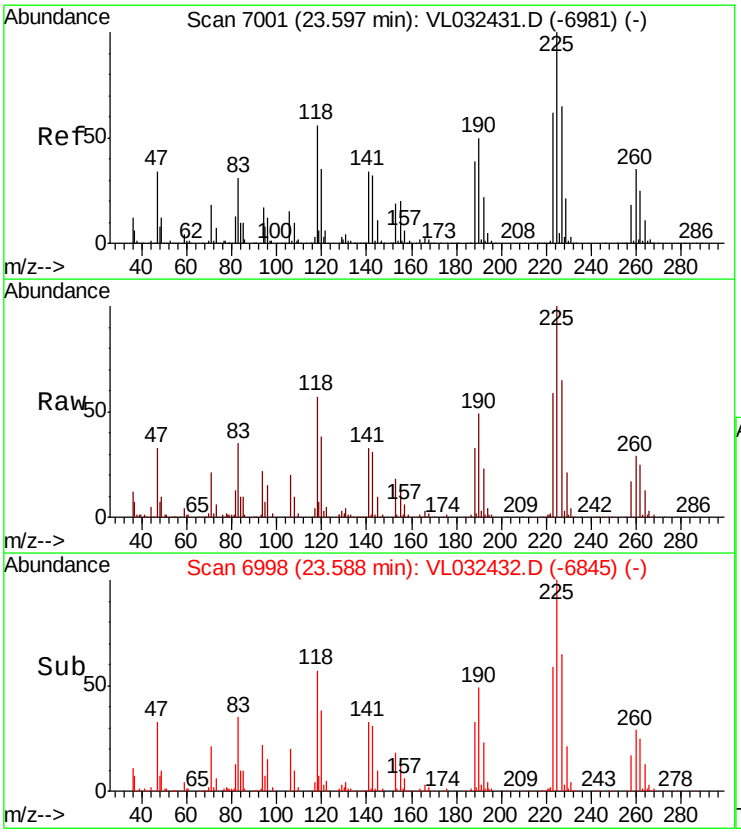
#77
1,2-Dichlorobenzene
Concen: 2.381 ppbv
RT: 18.05 min Scan# 5275
Delta R.T. 0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 681385

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.9	74.7
148	64.2	31.9	95.9

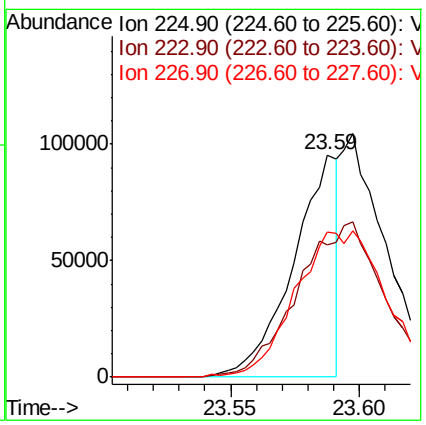


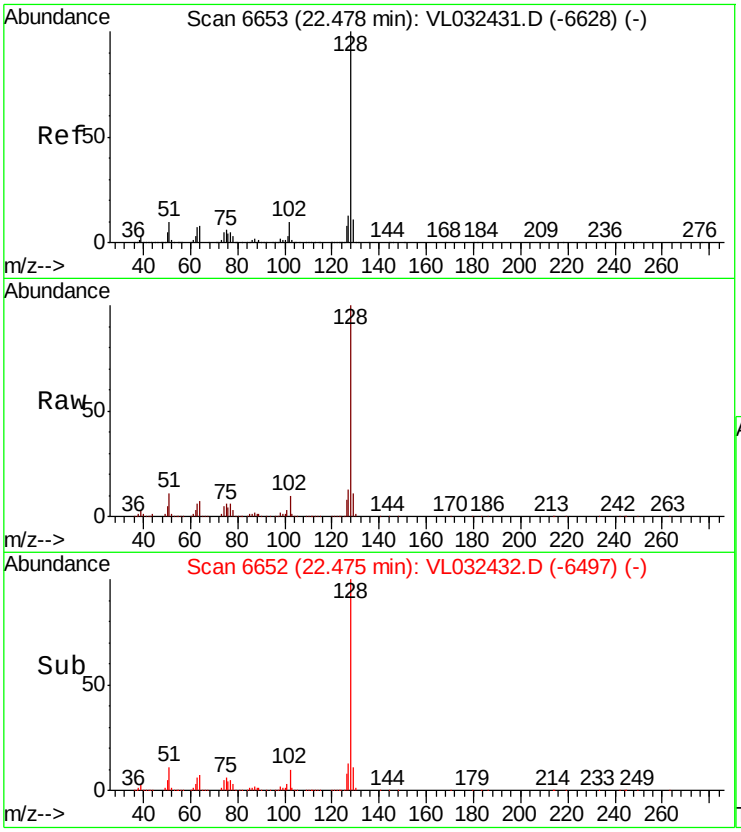


#78
Hexachloro-1,3-Butadiene
Concen: 0.930 ppbv
RT: 23.59 min Scan# 6998
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:225 Resp: 114874

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	51.2	76.8#



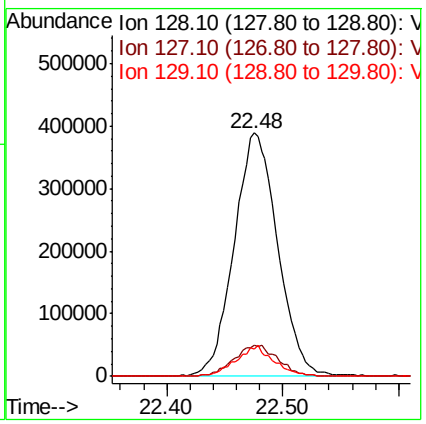


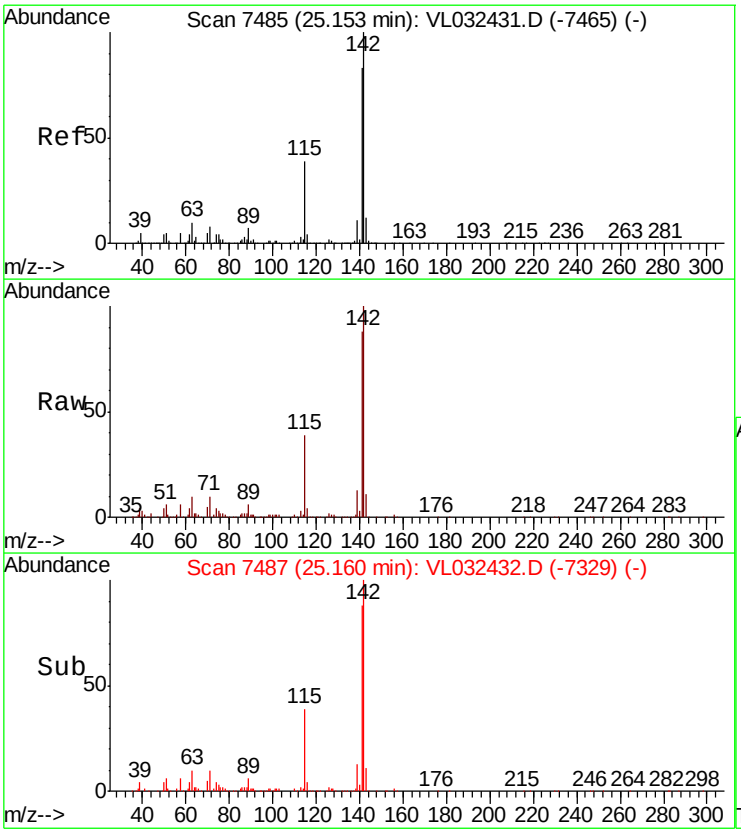
#79
Naphthalene
Concen: 3.224 ppbv
RT: 22.48 min Scan# 6652
Delta R.T. -0.00 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 1001372

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.4	8.5	12.7

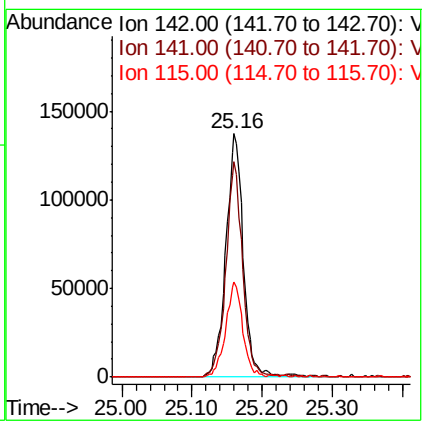


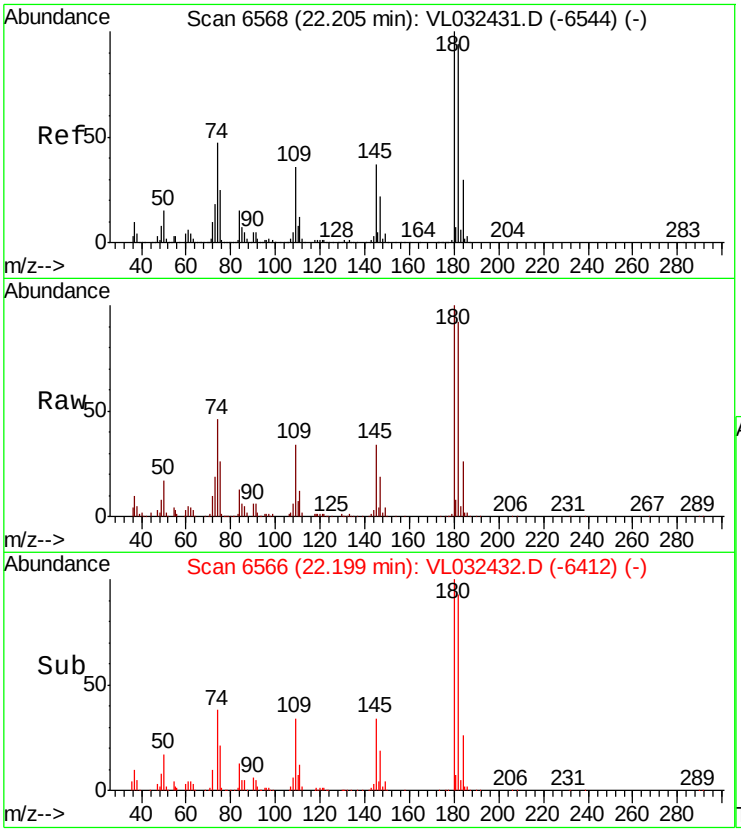


#80
Naphthalene,2-methyl-
Concen: 2.942 ppbv
RT: 25.16 min Scan# 7487
Delta R.T. 0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Tgt Ion:142 Resp: 239191

Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.0	100.6
115	38.4	31.2	46.8





#81
1,2,4-Trichlorobenzene
Concen: 2.974 ppbv
RT: 22.20 min Scan# 6566
Delta R.T. -0.01 min
Lab File: VL032432.D
Acq: 31 Aug 2018 1:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 501087

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.2
184	30.4	23.9	35.9