Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062918\

Quantitation Report (Not Reviewed)

Data File : VL032148.D
Acq On : 29 Jun 2018 19:59
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 29 20:42:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.85	49	1568535	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.38	114	3985609	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.34	117	3821141	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.68	95	2909484	10.25	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.14	85	138288	0.841	ppbv		98
3) Chlorodifluoromethane	3.07	51	102131	0.501	ppbv		96
4) Chloromethane	3.23	50	52529	0.483	ppbv		91
5) Vinyl Chloride	3.35	62	51757	0.461	ppbv		99
6) Bromomethane	3.58	94	31940	0.490	ppbv		84
7) Chloroethane	3.67	64	13445	0.323	ppbv	#	83
8) Dichlorotetrafluoroethane	3.28	85	131453	0.581	ppbv		96
9) Propene	3.09	41	47311	0.475	ppbv		100
10) Heptane	8.34	43	140628	0.498	ppbv		99
11) Trichlorofluoromethane	4.07	101	117265	0.541	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.63	101	80312	0.548	ppbv		96
13) Ethanol	3.73	45	6480	0.216	ppbv	#	1
14) Bromoethene	3.86	108	16296	0.227	ppbv	#	1
15) Acetone	3.98	43	102755	0.493	ppbv		97
16) 1,3-Butadiene	3.43	39	46112	0.471	ppbv		95
17) tert-Butyl alcohol	4.45	59	25654	0.205	ppbv	#	73
18) 1,1-Dichloroethene	4.43	96	38633	0.536	ppbv		92
19) Isopropyl Alcohol	4.11	45	49386	0.302	ppbv	#	45
20) Methylene Chloride	4.48	84	39889	0.567	ppbv		93
21) Allyl Chloride	4.55	41	63226	0.489	ppbv		93
22) trans-1,2-Dichloroethene	5.05	96	39901	0.544	ppbv		96
23) Vinyl Acetate	5.24	43	211175	0.666	ppbv	#	95
24) 1,1-Dichloroethane	5.17	63	117885	0.494	ppbv	#	96
25) Ethyl Acetate	5.86	43	207788	0.455	ppbv		99
26) Hexane	5.86	57	96619	0.477	ppbv		96
27) Carbon Disulfide	4.70	76	83437	0.412	ppbv	#	71
28) Methyl tert-Butyl Ether	5.21	73	171605	0.670	ppbv		99
29) Chloroform	5.93	83	136389	0.510	ppbv		95
30) Cyclohexane	7.34	84	90955	0.545	ppbv		93
31) cis-1,2-Dichloroethene	5.72	61	53851	0.299	ppbv		98
32) 1,1,1-Trichloroethane	6.71	97	137024	0.491	ppbv		99
34) 2-Butanone	5.42	43	134158	0.415	ppbv		100
35) Carbon Tetrachloride	7.23	117	143583	0.519	ppbv		97
36) Benzene	7.10	78	212725	0.492	ppbv		97
37) 1,2-Dichloroethane	6.50	62	101561	0.457	ppbv		98
38) Trichloroethene	8.06	130	79449	0.477	ppbv		93
39) 1,2-Dichloropropane	7.83	63	82180	0.518	ppbv		94
40) 1,4-Dioxane	8.09	88	11019	0.149	ppbv	#	21
41) Tetrahydrofuran	6.26	42	35552	0.184	ppbv	#	28
42) Bromodichloromethane	8.01	83	72785	0.242	ppbv		98
43) Methyl Methacrylate	8.24	69	82380	0.482	ppbv		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062918\

Quantitation Report (Not Reviewed)

Data File : VL032148.D
Acq On : 29 Jun 2018 19:59
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 29 20:42:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	376484	0.531	ppbv		99
45) t-1,3-Dichloropropene	9.51	75	91477	0.433	ppbv		90
46) cis-1,3-Dichloropropene	8.93	75	50363	0.186	ppbv		94
47) 1,1,2-Trichloroethane	9.71	97	87262	0.486	ppbv	#	88
48) Dibromochloromethane	10.55	129	118576	0.441	ppbv		100
49) Bromoform	13.31	173	96899	0.471	ppbv		97
50) 4-Methyl-2-Pentanone	8.98	43	219425	0.437	ppbv		100
51) 2-Hexanone	10.40	43	173646	0.348	ppbv	#	95
52) Tetrachloroethene	11.48	164	72073	0.451	ppbv		93
53) Toluene	10.04	91	150100	0.288	ppbv	#	47
54) 1,2-Dibromoethane	10.86	107	123214	0.464	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.39	131	45502	0.268	ppbv	#	1
57) Chlorobenzene	12.40	112	190355	0.526	ppbv		90
58) Ethyl Benzene	12.96	91	357946	0.538	ppbv		95
59) m/p-Xylene	13.25	91	274131	0.520	ppbv	#	28
60) o-Xylene	13.95	91	291346	0.558	ppbv		98
61) Styrene	13.79	104	225567	1.445	ppbv		98
62) Isopropylbenzene	14.93	105	421124	0.605	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.94	83	208043	0.513	ppbv		99
64) n-propylbenzene	15.83	120	102213	0.563	ppbv		78
65) tert-Butylbenzene	17.01	119	368324	0.601	ppbv		94
66) Benzyl Chloride	17.26	91	168114	2.149	ppbv		99
67) sec-Butylbenzene	17.56	105	557782	0.624	ppbv		98
69) p-Isopropyltoluene	17.92	119	430213	0.587	ppbv		96
70) n-Butylbenzene	18.82	91	451152	0.585	ppbv		99
71) 2-Chlorotoluene	15.72	91	313331	0.587	ppbv		96
72) 4-Ethyltoluene	16.10	105	333927	0.566	ppbv		95
73) 1,3,5-Trimethylbenzene	16.26	105	322039	0.610	ppbv		92
74) 1,2,4-Trimethylbenzene	17.03	105	333887	0.595	ppbv	#	89
75) 1,3-Dichlorobenzene	17.27	146	185019	0.539	ppbv		97
76) 1,4-Dichlorobenzene	17.41	146	102776	0.294	ppbv	#	30
77) 1,2-Dichlorobenzene	18.09	146	184847	0.517	ppbv		95
78) Hexachloro-1,3-Butadiene	23.64	225	44765	0.461	ppbv	#	60
79) Naphthalene	22.54	128	159924	0.273	ppbv		96
80) Naphthalene,2-methyl-	25.20	142	56289	0.160	ppbv		98
81) 1,2,4-Trichlorobenzene	22.25	180	64521	0.281	ppbv	#	29

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

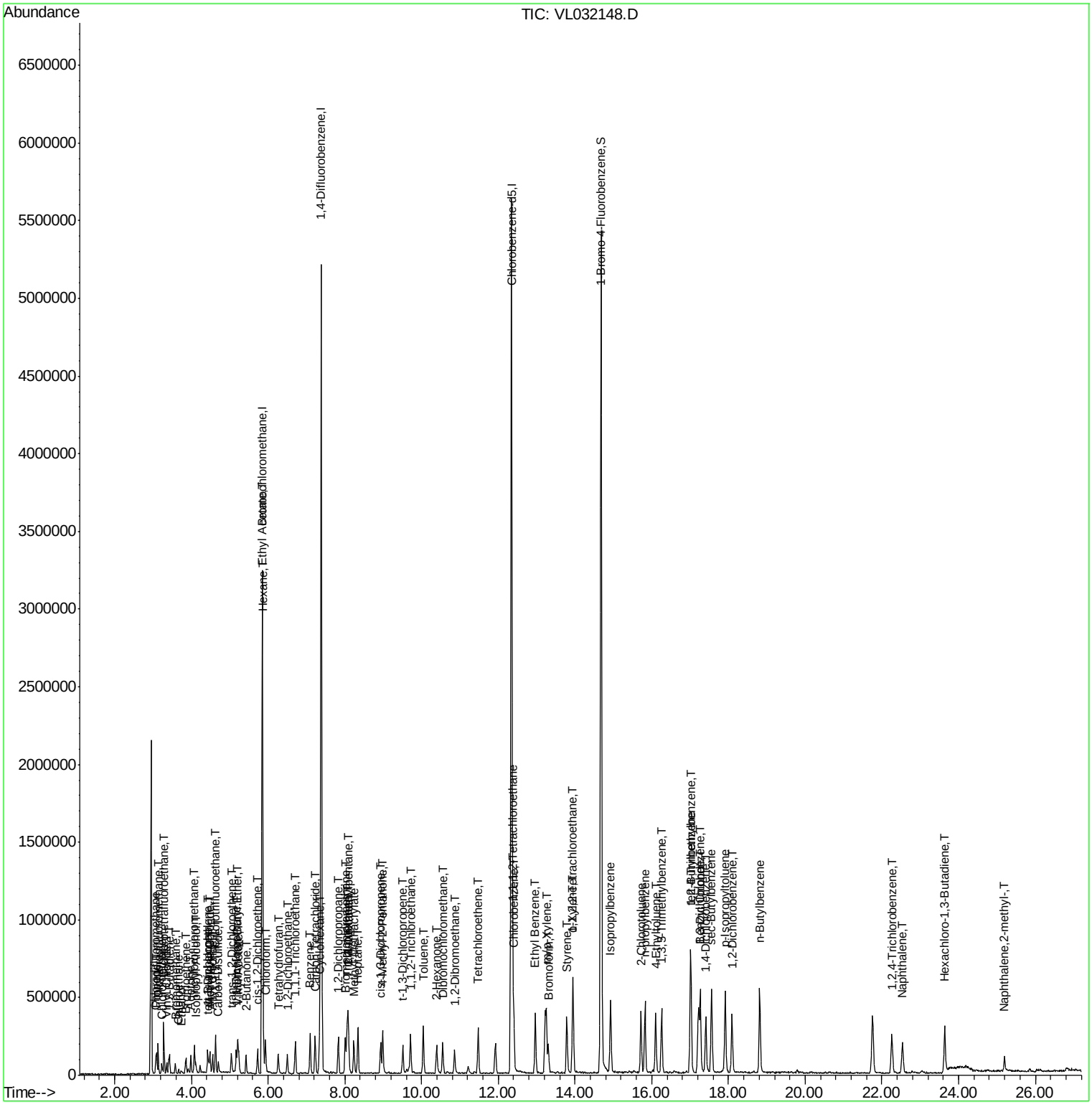
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062918\

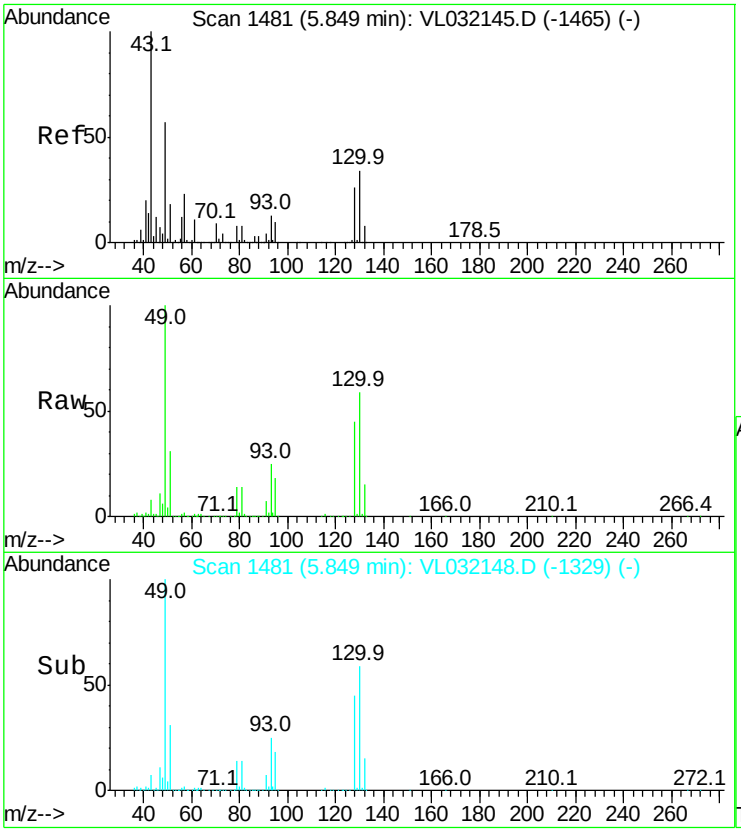
Quantitation Report (Not Reviewed)

Data File : VL032148.D
Acq On : 29 Jun 2018 19:59
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 29 20:42:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 20:36:18 2018
QLast Update : Fri Jun 29 20:36:18 2018
Response via : Initial Calibration



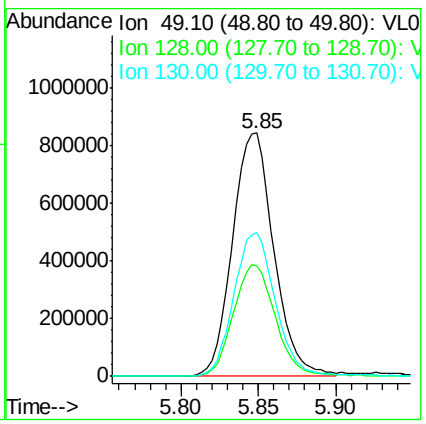


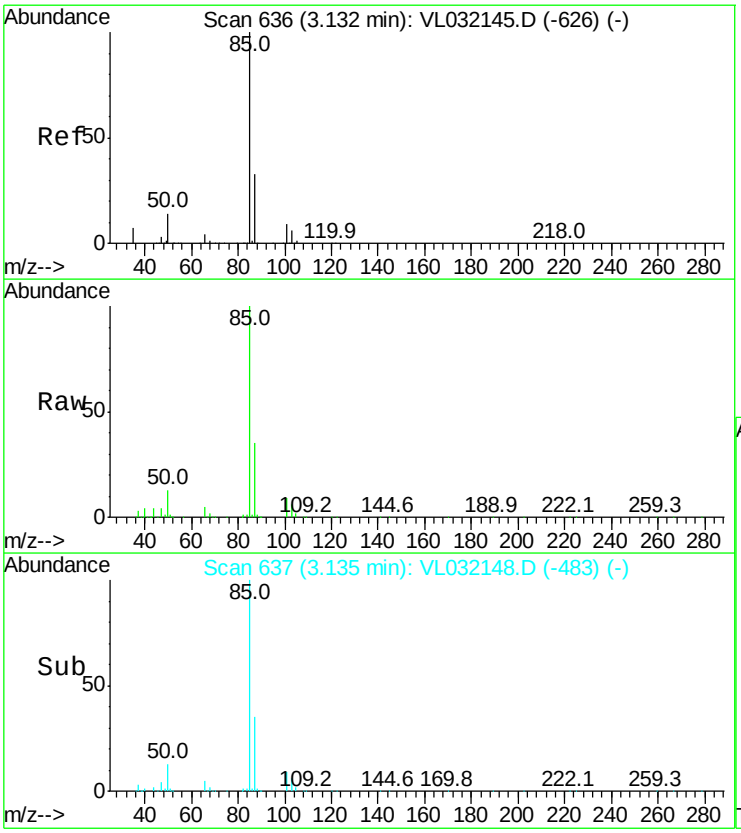
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1568535

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.4	70.0
130	60.1	30.3	90.9

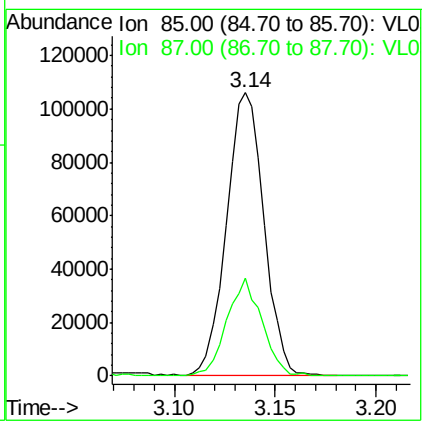


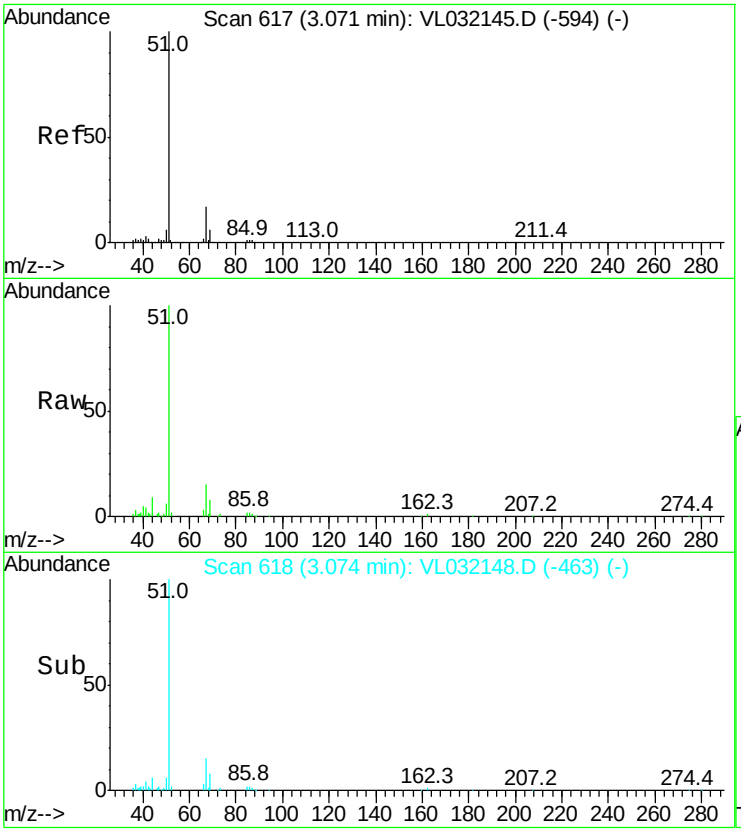


#2
Dichlorodifluoromethane
Concen: 0.841 ppbv
RT: 3.14 min Scan# 637
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 85 Resp: 138288

Ion	Ratio	Lower	Upper
85	100		
87	34.5	26.7	40.1



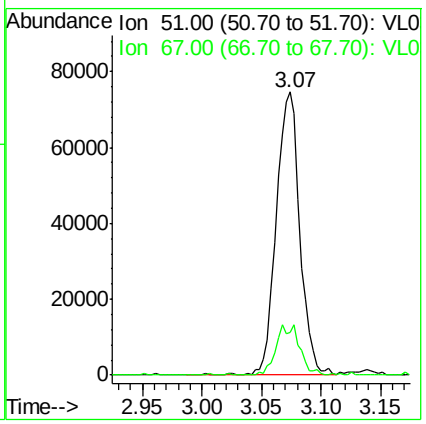


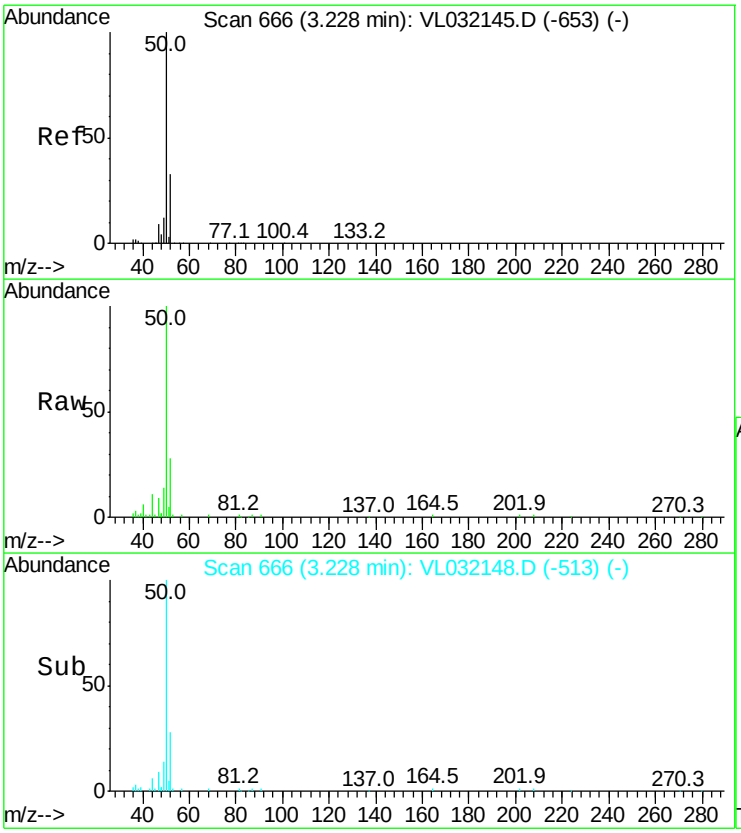
#3
Chlorodifluoromethane
Concen: 0.501 ppbv
RT: 3.07 min Scan# 618
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 102131

Ion	Ratio	Lower	Upper
51	100		
67	18.2	13.2	19.8

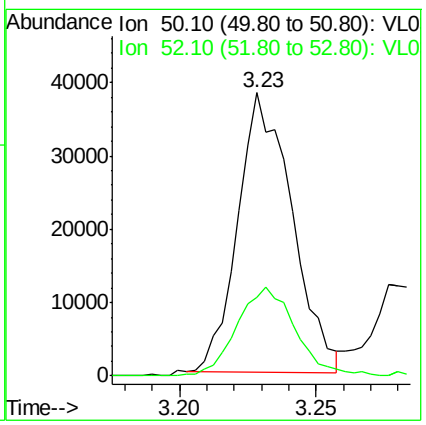


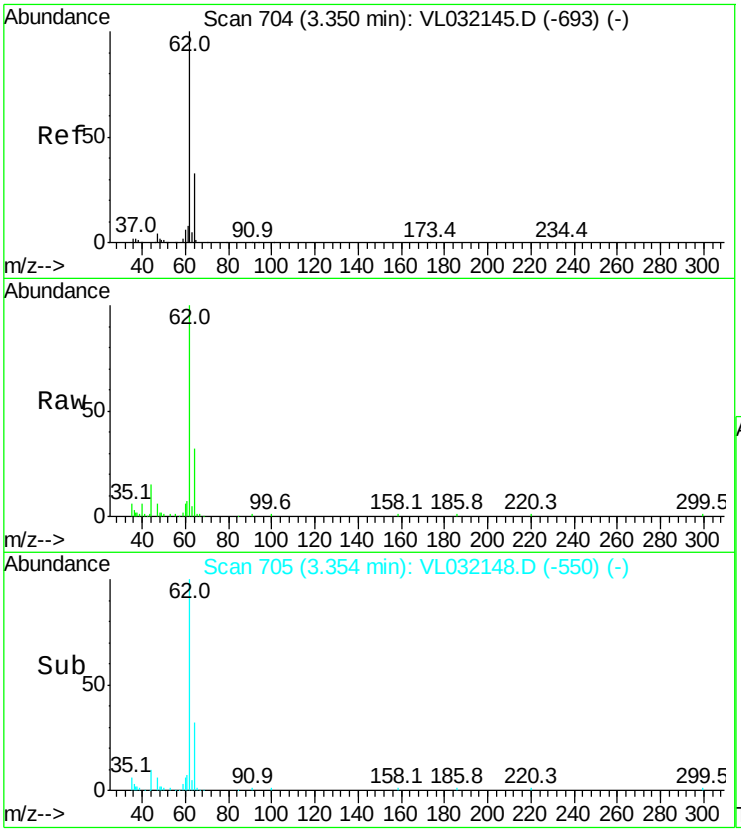


#4
Chloromethane
Concen: 0.483 ppbv
RT: 3.23 min Scan# 666
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 50 Resp: 52529

Ion	Ratio	Lower	Upper
50	100		
52	27.5	26.0	39.0



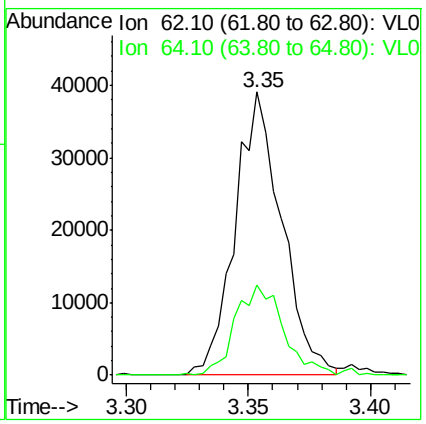


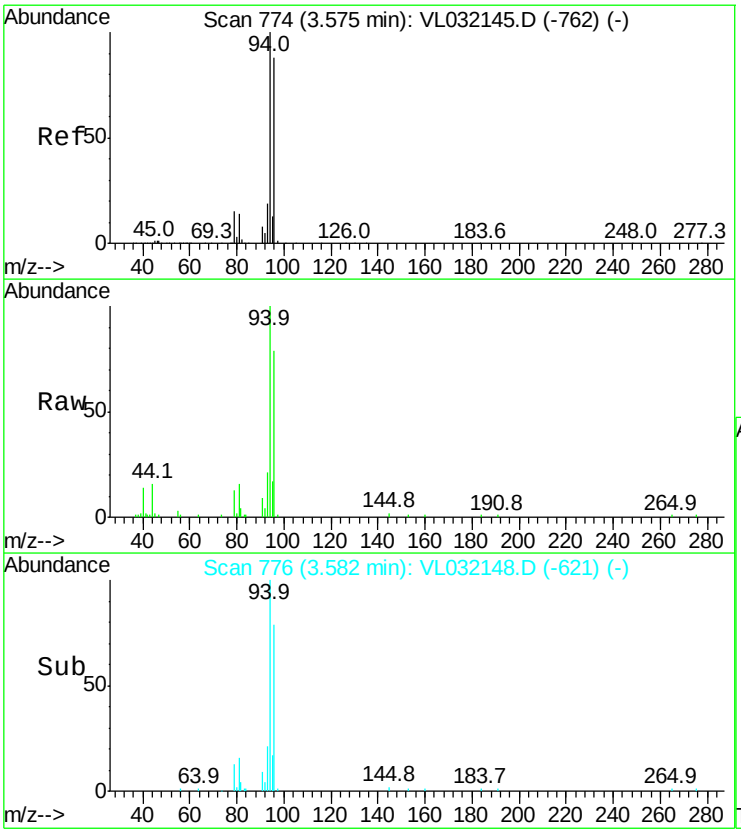
#5
Vinyl Chloride
Concen: 0.461 ppbv
RT: 3.35 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 51757

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.1	39.1

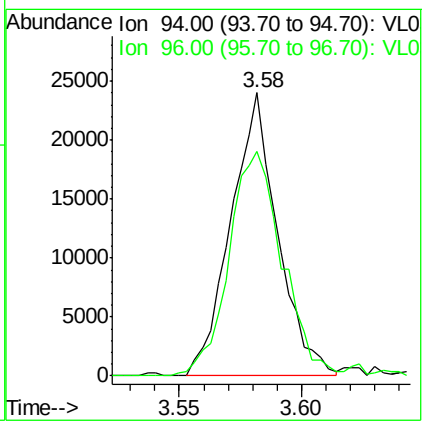


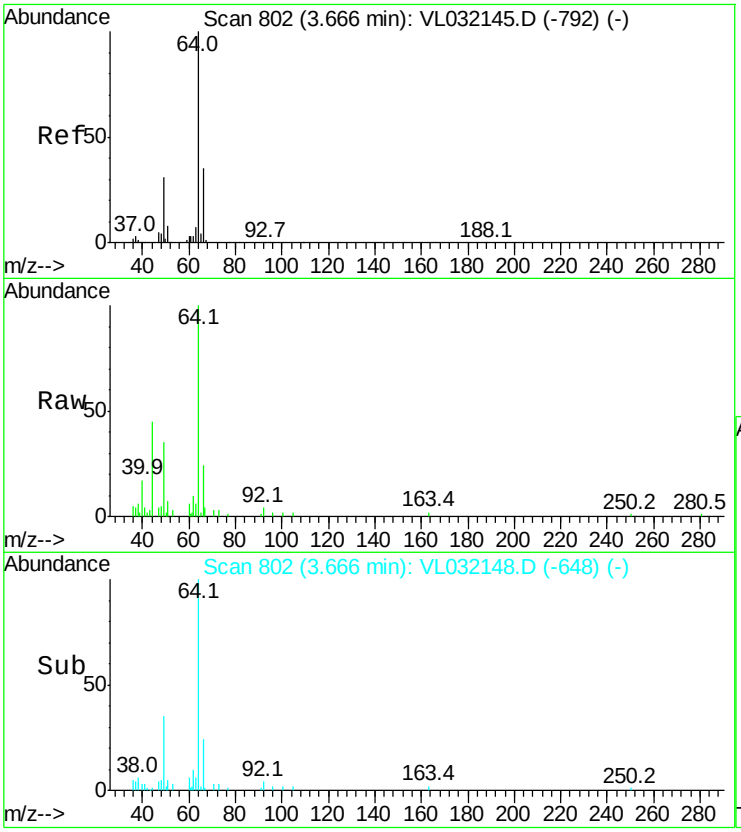


#6
Bromomethane
Concen: 0.490 ppbv
RT: 3.58 min Scan# 776
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 94 Resp: 31940

Ion	Ratio	Lower	Upper
94	100		
96	77.8	74.7	112.1



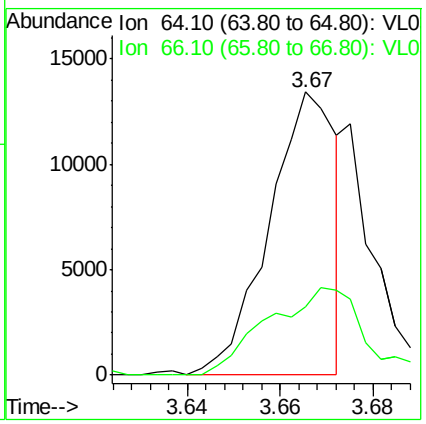


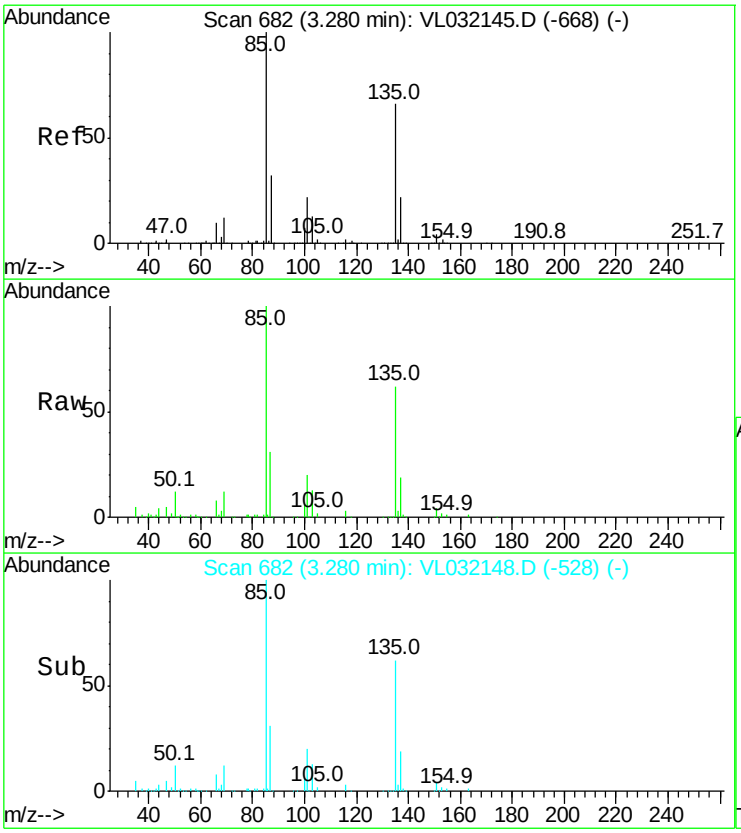
#7
Chloroethane
Concen: 0.323 ppbv
RT: 3.67 min Scan# 802
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 13445

Ion	Ratio	Lower	Upper
64	100		
66	24.1	26.9	40.3#

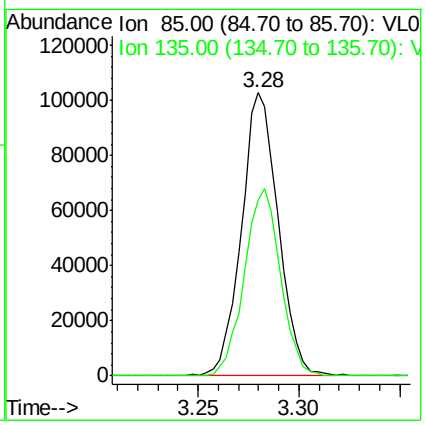


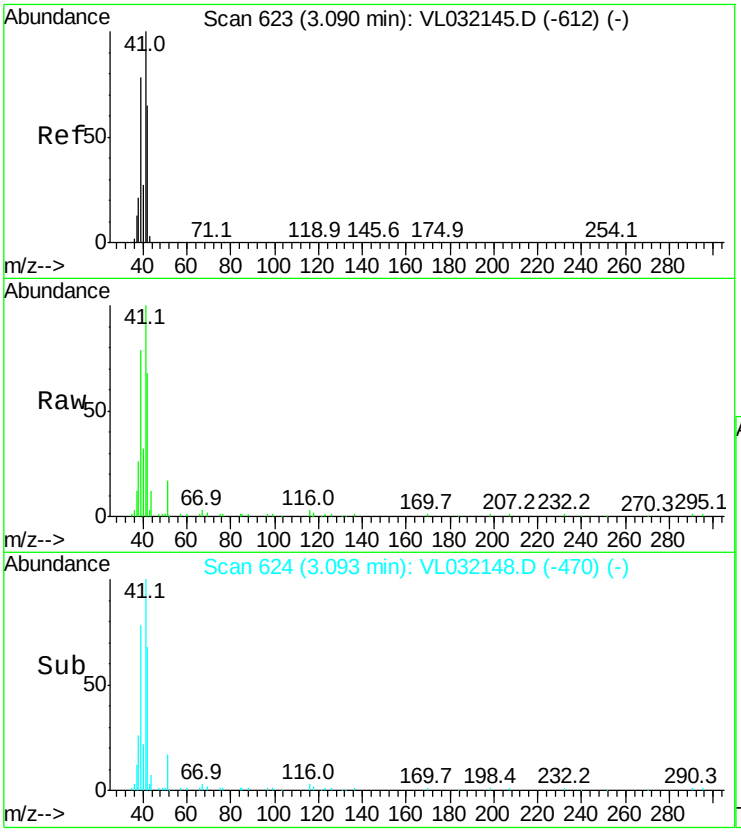


#8
Dichlorotetrafluoroethane
Concen: 0.581 ppbv
RT: 3.28 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 85 Resp: 131453

Ion	Ratio	Lower	Upper
85	100		
135	64.9	54.6	82.0



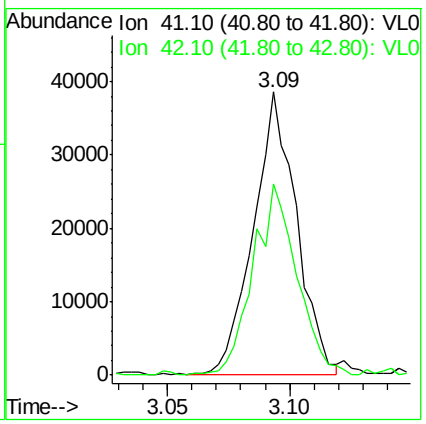


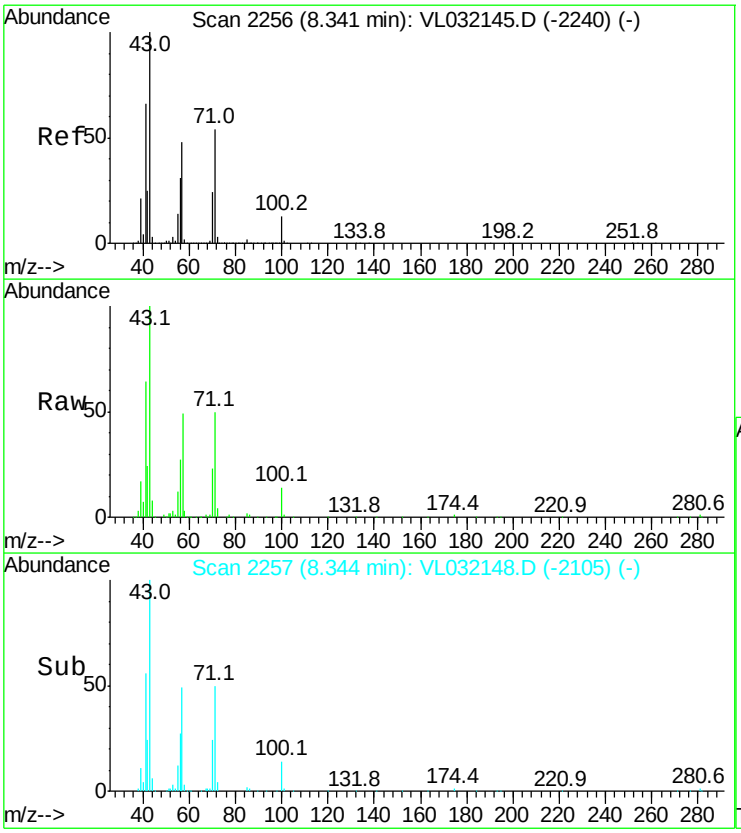
#9
Propene
Concen: 0.475 ppbv
RT: 3.09 min Scan# 624
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 47311

Ion	Ratio	Lower	Upper
41	100		
42	70.5	56.2	84.4

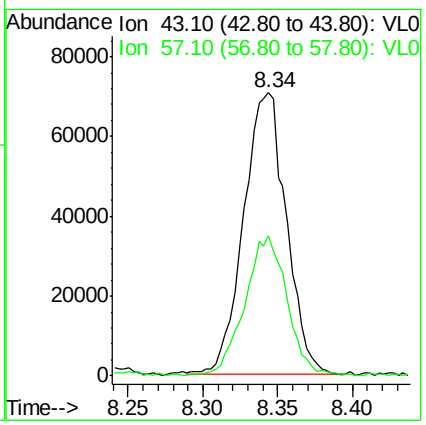


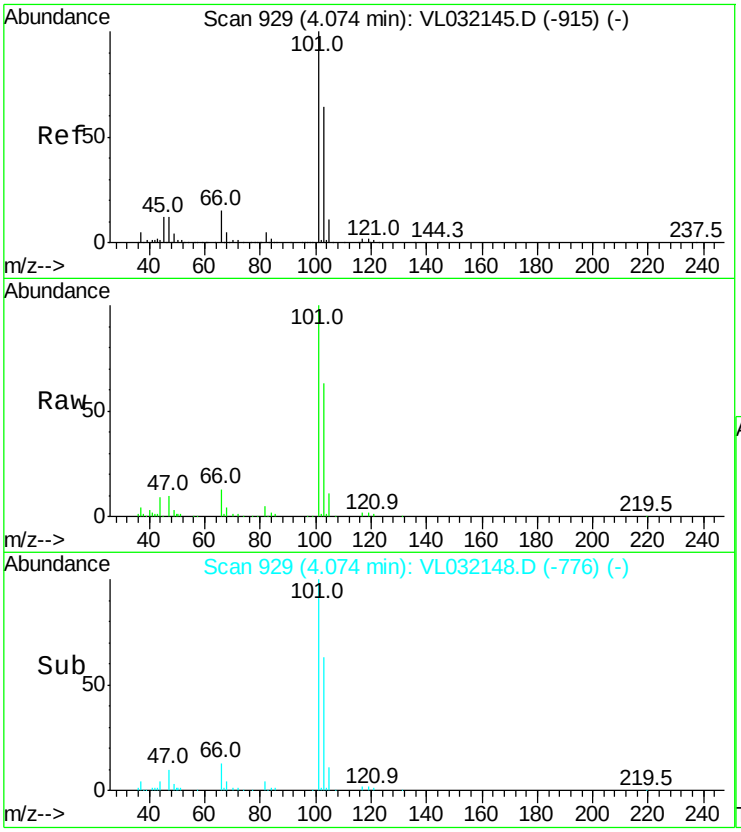


#10
Heptane
Concen: 0.498 ppbv
RT: 8.34 min Scan# 2257
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 43 Resp: 140628

Ion	Ratio	Lower	Upper
43	100		
57	49.1	39.8	59.8



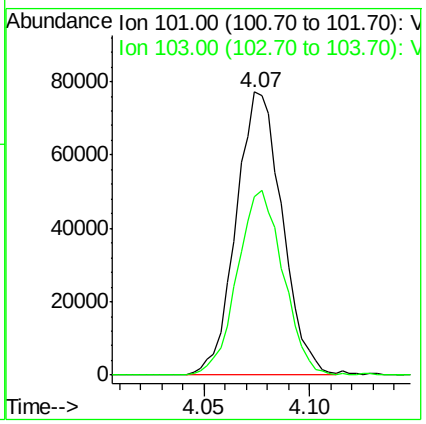


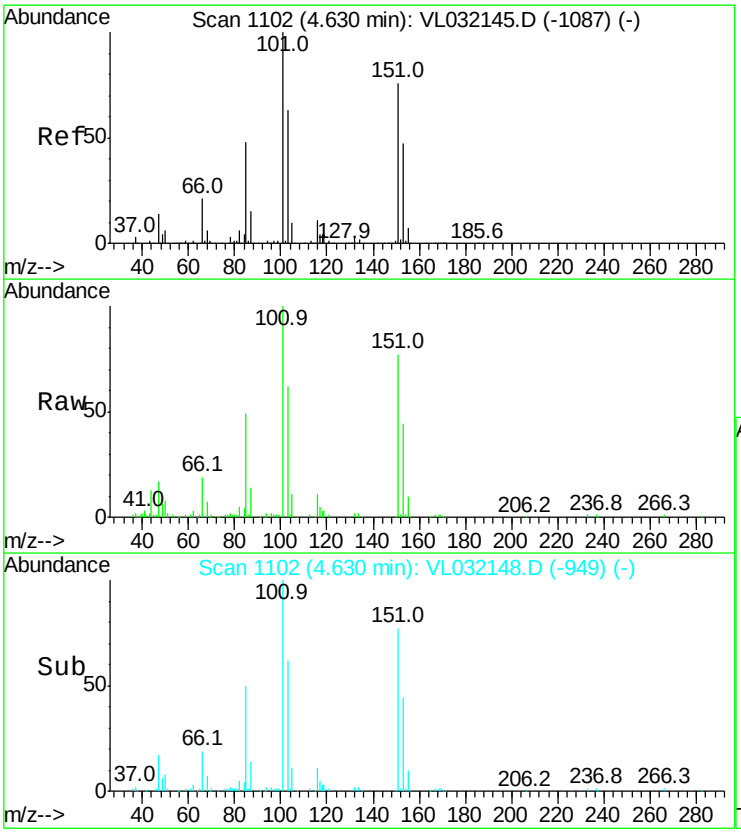
#11
Trichlorofluoromethane
Concen: 0.541 ppbv
RT: 4.07 min Scan# 929
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 117265

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.4	77.0

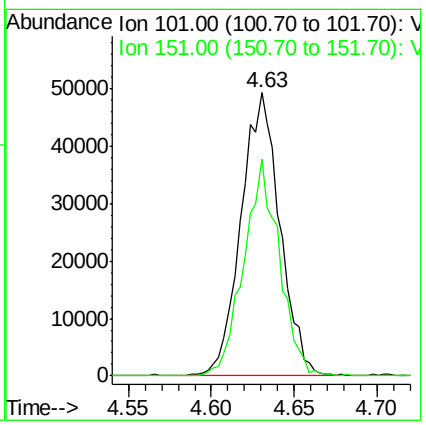


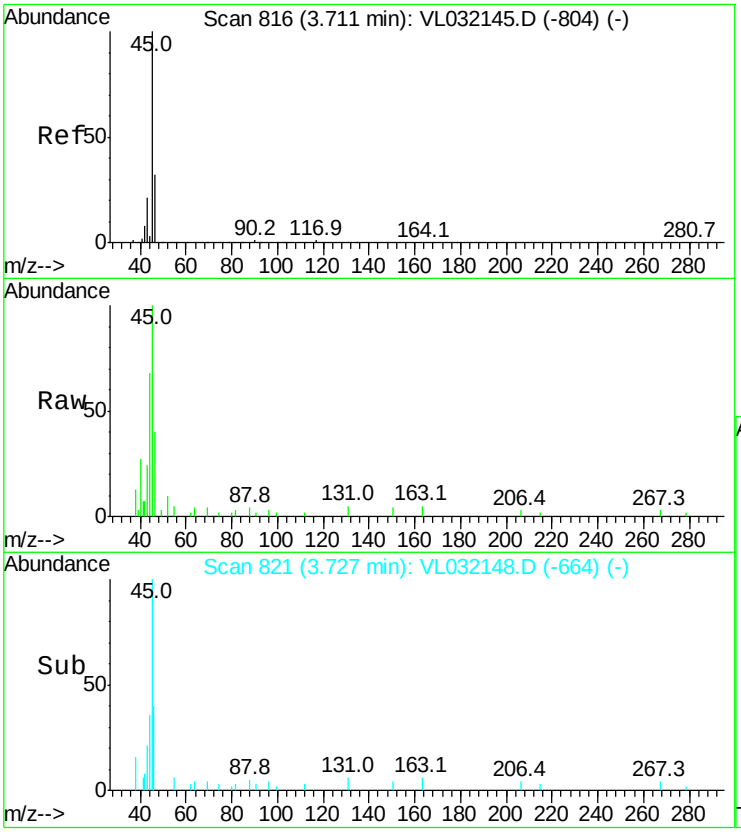


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.548 ppbv
RT: 4.63 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:101 Resp: 80312

Ion	Ratio	Lower	Upper
101	100		
151	69.8	58.8	88.2



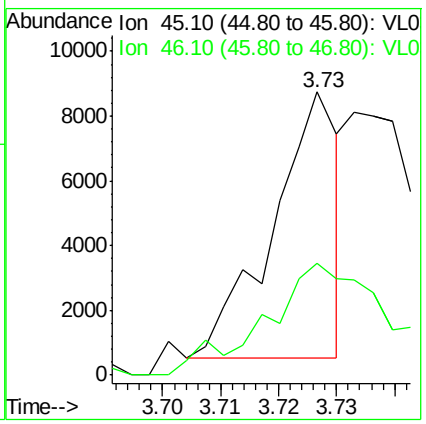


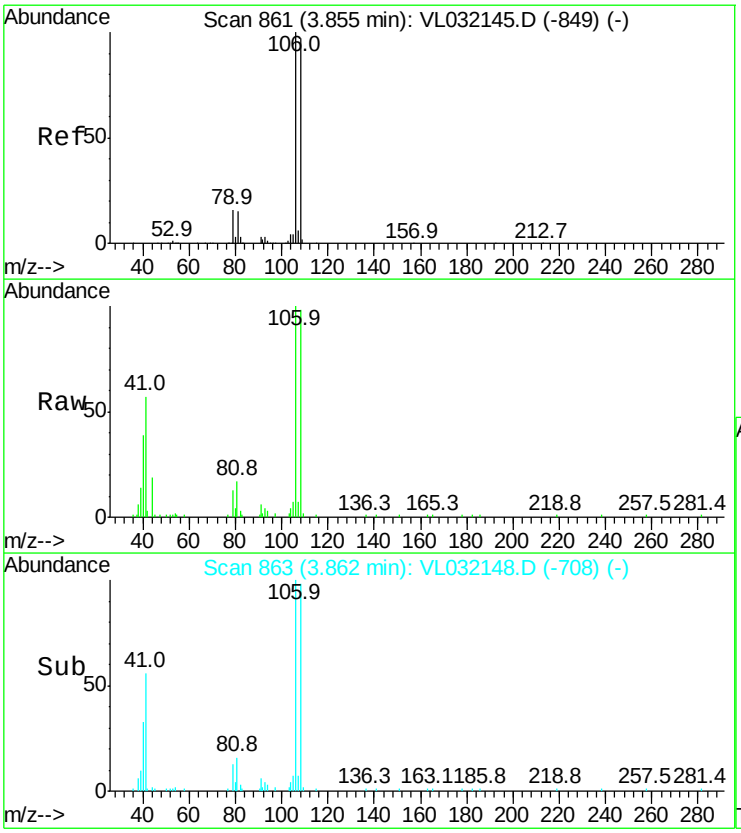
#13
Ethanol
Concen: 0.216 ppbv
RT: 3.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 6480

Ion	Ratio	Lower	Upper
45	100		
46	106.7	14.6	58.4#

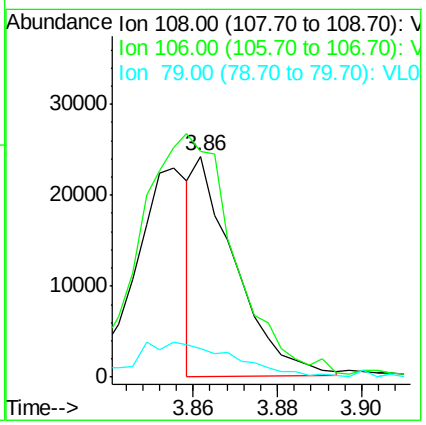


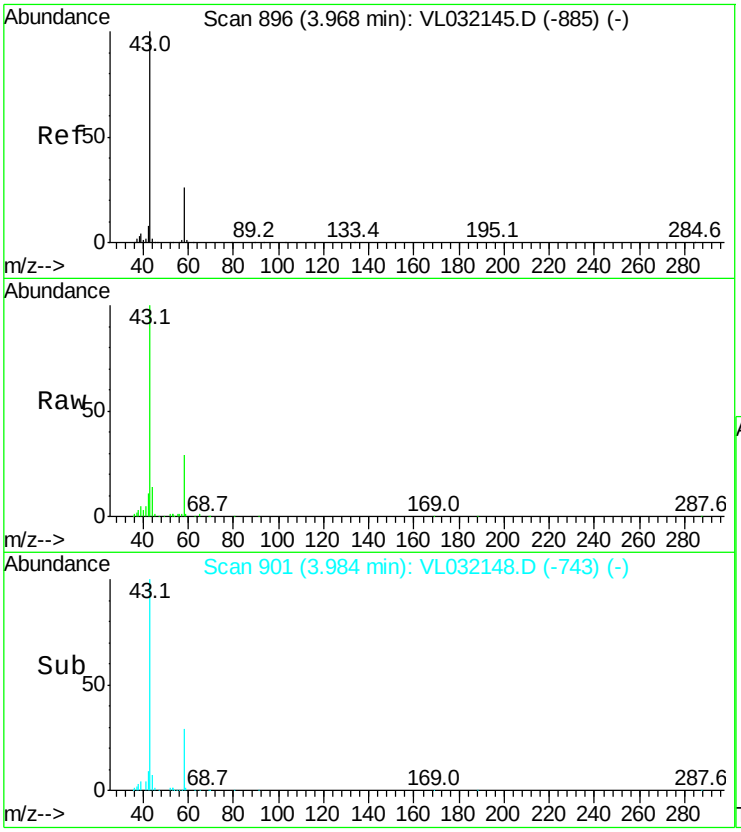


#14
Bromoethene
Concen: 0.227 ppbv
RT: 3.86 min Scan# 863
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:108 Resp: 16296

Ion	Ratio	Lower	Upper
108	100		
106	264.3	86.3	129.5#
79	0.0	12.7	19.1#



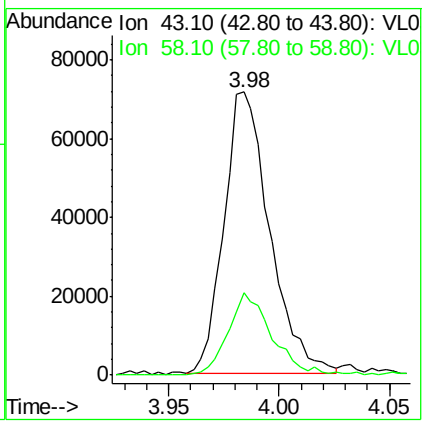


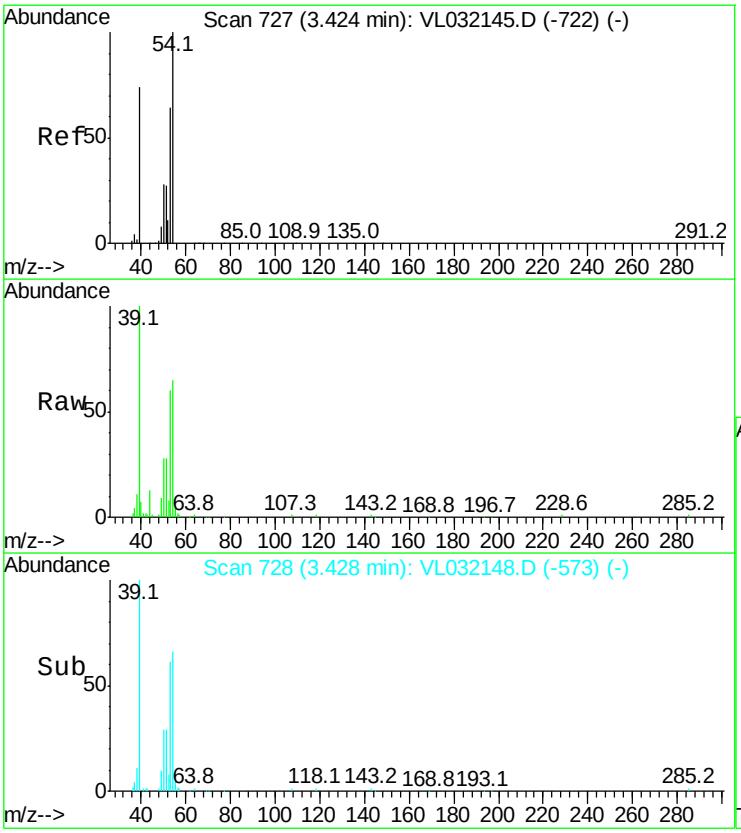
#15
Acetone
Concen: 0.493 ppbv
RT: 3.98 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 102755

Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.4	32.0

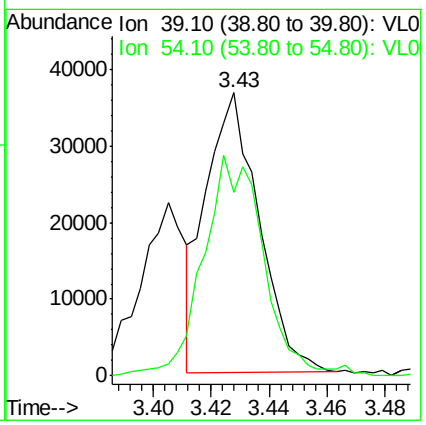


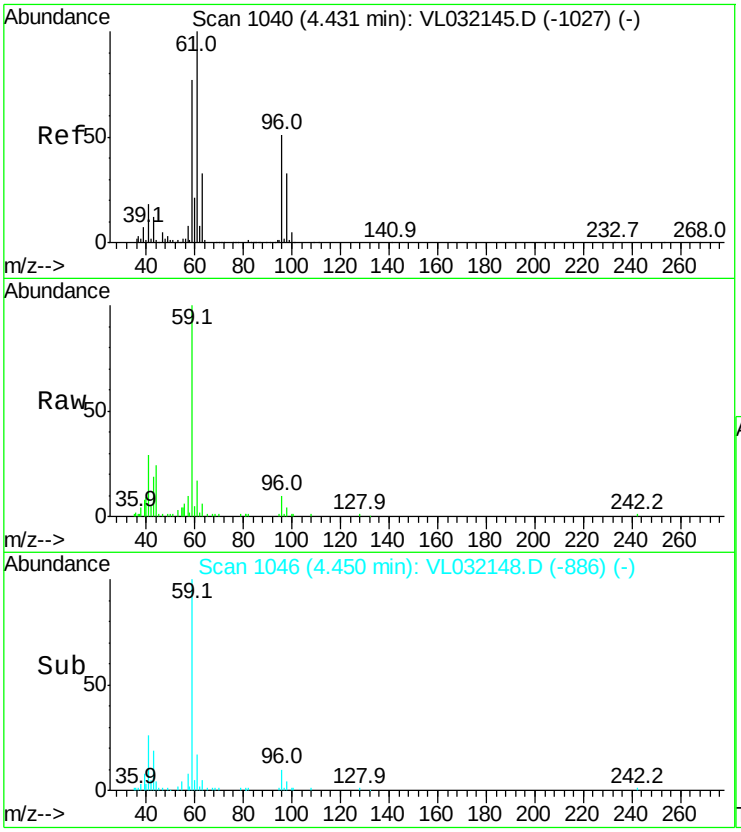


#16
1,3-Butadiene
Concen: 0.471 ppbv
RT: 3.43 min Scan# 728
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 39 Resp: 46112

Ion	Ratio	Lower	Upper
39	100		
54	90.0	75.8	113.6



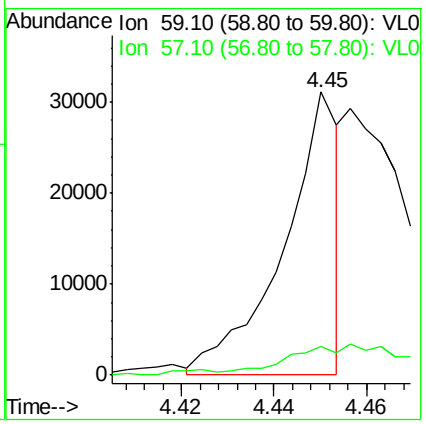


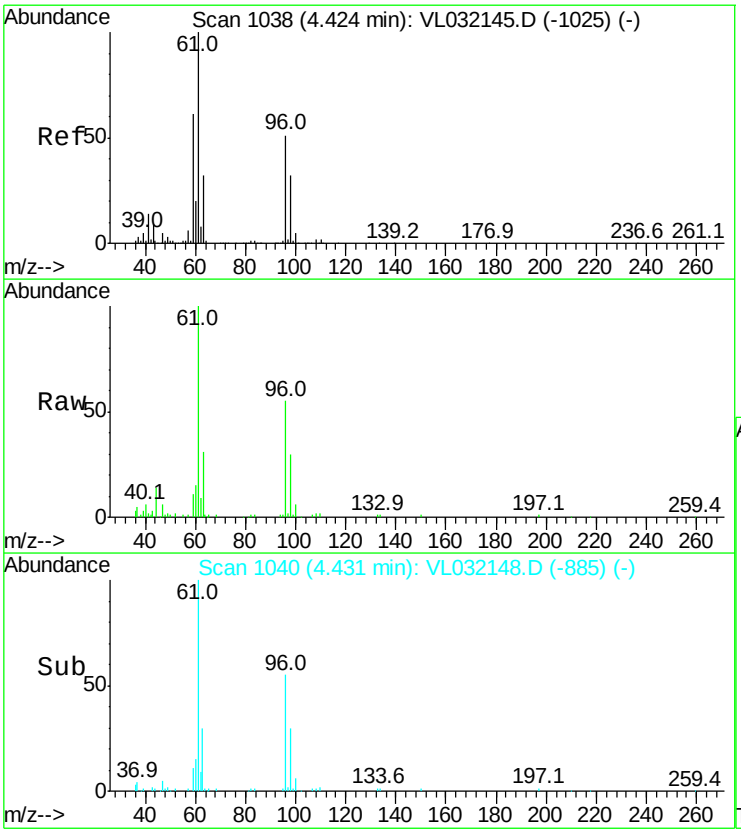
#17
tert-Butyl alcohol
Concen: 0.205 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 59 Resp: 25654

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

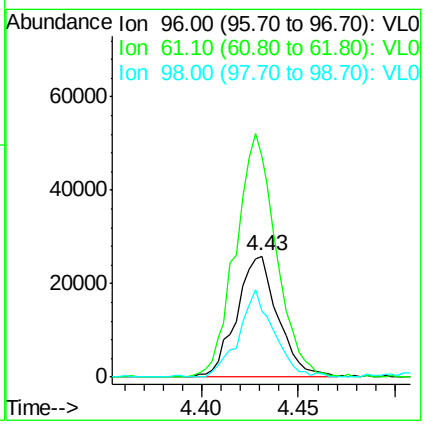


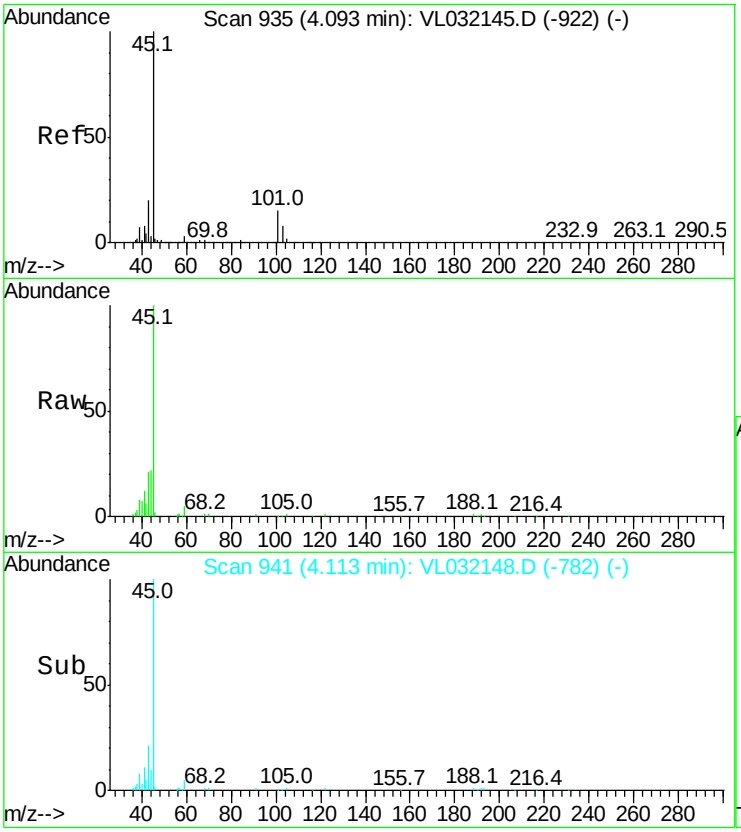


#18
1,1-Dichloroethene
Concen: 0.536 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 96 Resp: 38633

Ion	Ratio	Lower	Upper
96	100		
61	181.5	154.1	231.1
98	54.6	50.3	75.5



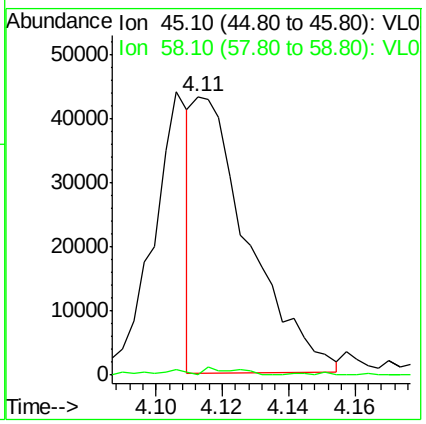


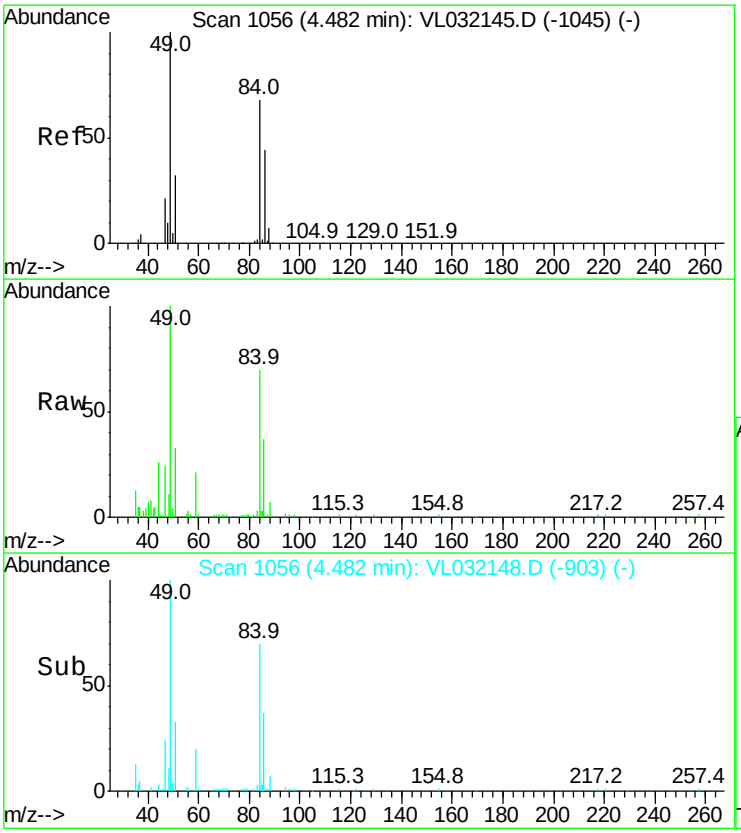
#19
Isopropyl Alcohol
Concen: 0.302 ppbv
RT: 4.11 min Scan# 941
Delta R.T. 0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 49386

Ion	Ratio	Lower	Upper
45	100		
58	3.8	29.4	44.0#

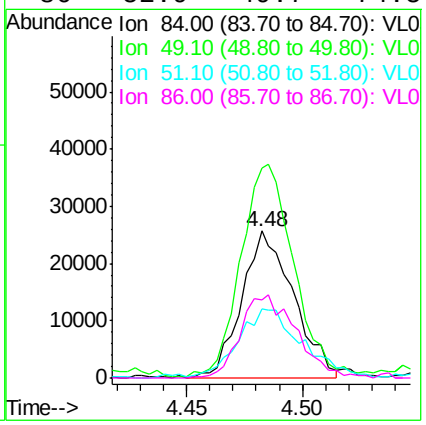


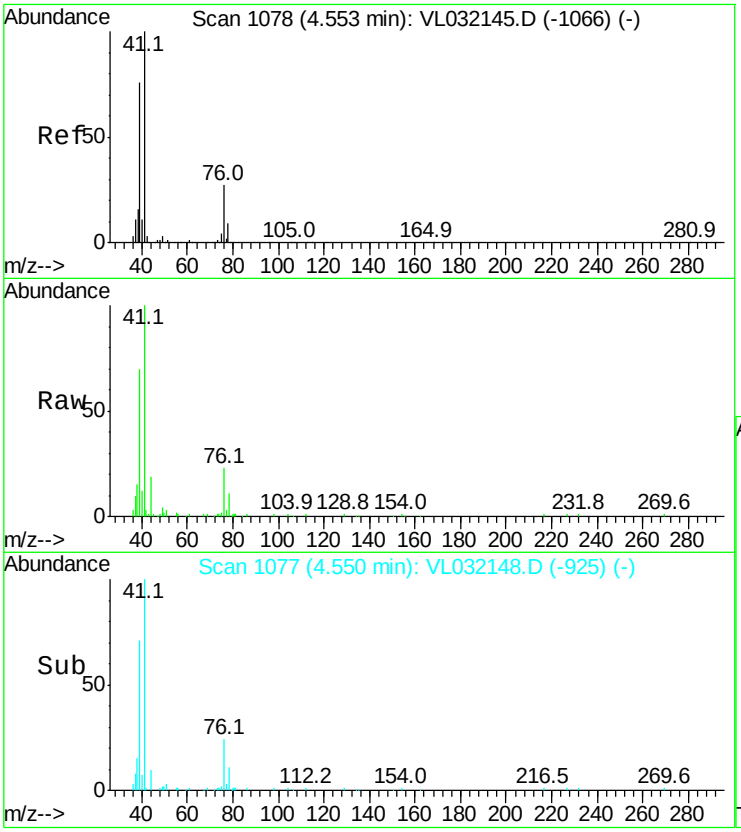


#20
Methylene Chloride
Concen: 0.567 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 84 Resp: 39889

Ion	Ratio	Lower	Upper
84	100		
49	141.5	119.6	179.4
51	46.2	36.3	54.5
86	52.9	49.7	74.5



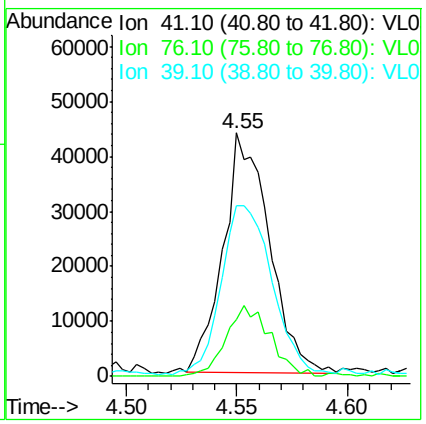


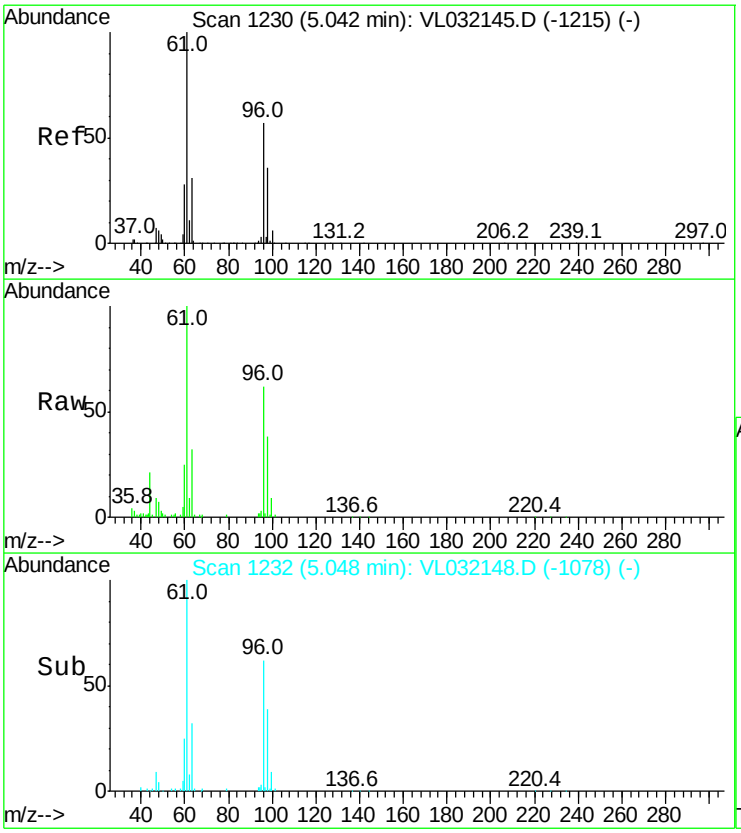
#21
Allyl Chloride
Concen: 0.489 ppbv
RT: 4.55 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 63226

Ion	Ratio	Lower	Upper
41	100		
76	29.1	22.5	33.7
39	82.9	60.5	90.7

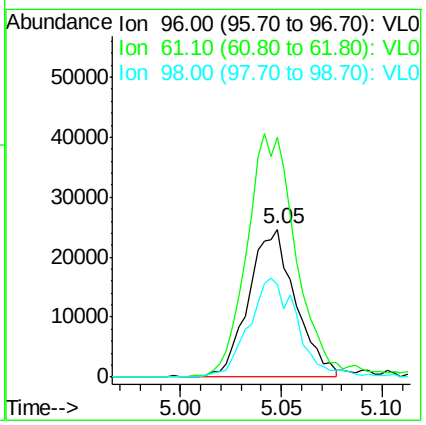


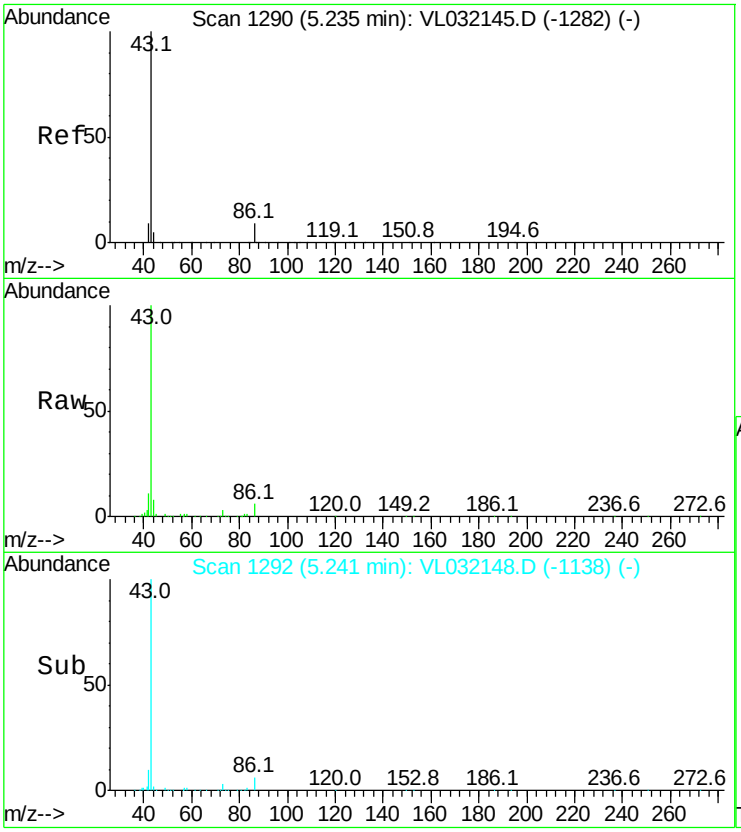


#22
trans-1,2-Dichloroethene
Concen: 0.544 ppbv
RT: 5.05 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 96 Resp: 39901

Ion	Ratio	Lower	Upper
96	100		
61	162.4	135.2	202.8
98	62.5	49.7	74.5



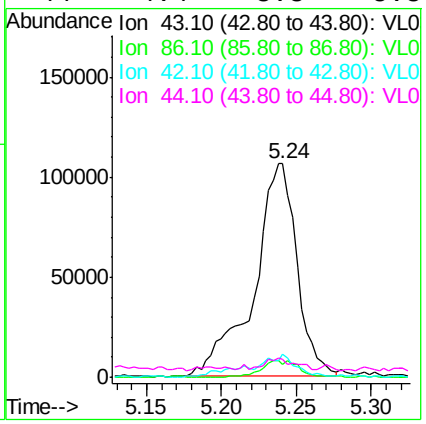


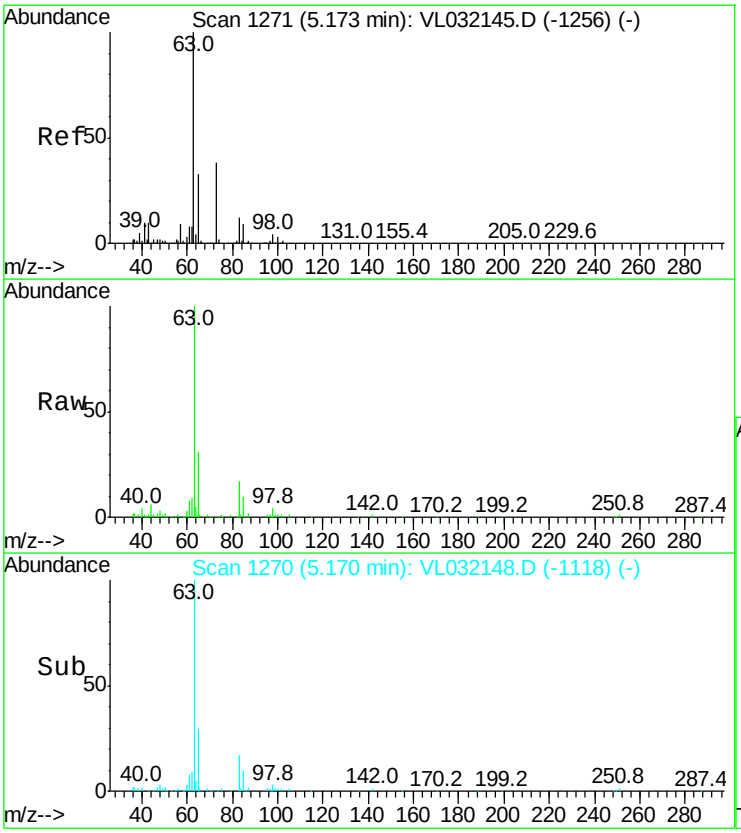
#23
Vinyl Acetate
Concen: 0.666 ppbv
RT: 5.24 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 211175

Ion	Ratio	Lower	Upper
43	100		
86	5.8	6.2	9.4#
42	10.7	6.9	10.3#
44	4.4	3.8	5.8

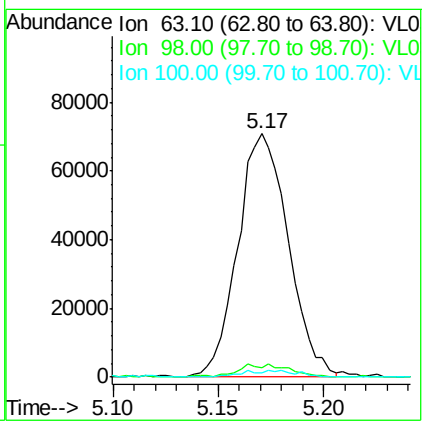


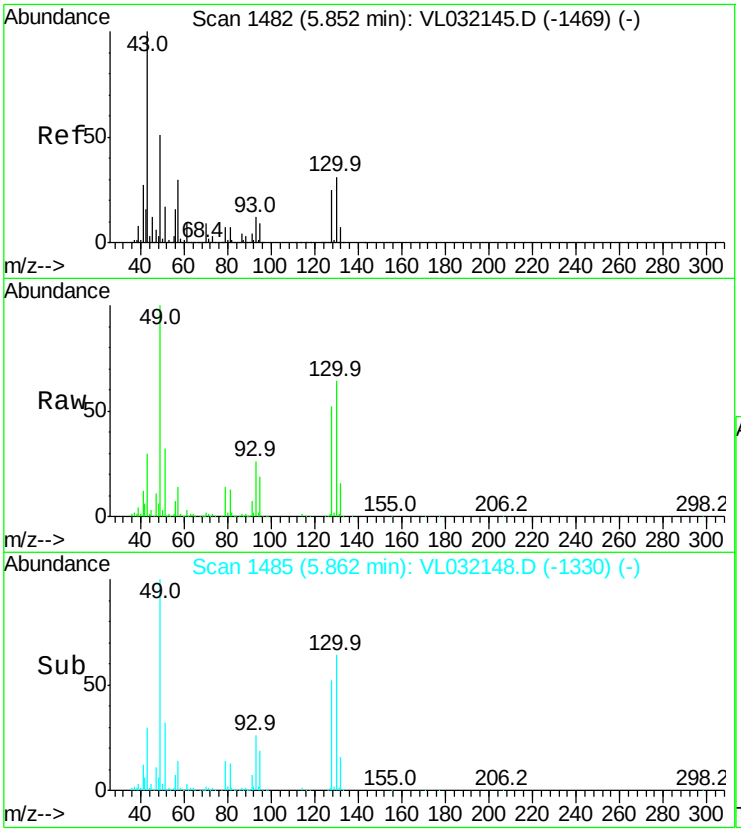


#24
1,1-Dichloroethane
Concen: 0.494 ppbv
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 63 Resp: 117885

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.4	7.2
100	1.5	1.7	5.0#



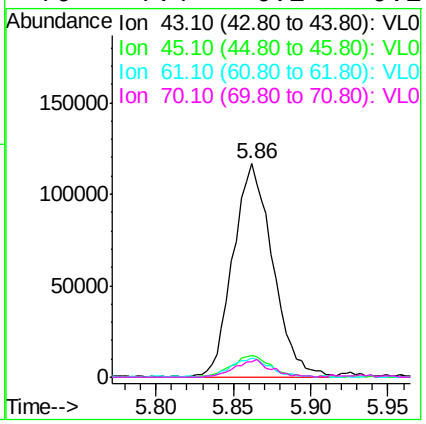


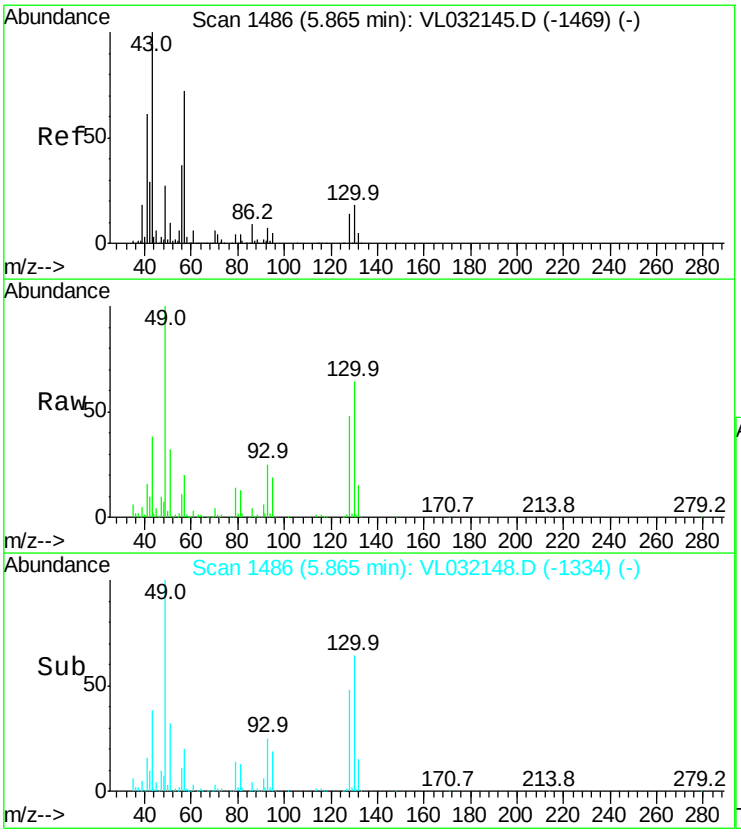
#25
Ethyl Acetate
Concen: 0.455 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 207788

Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.8	11.8
61	9.5	7.4	11.0
70	7.4	6.1	9.1

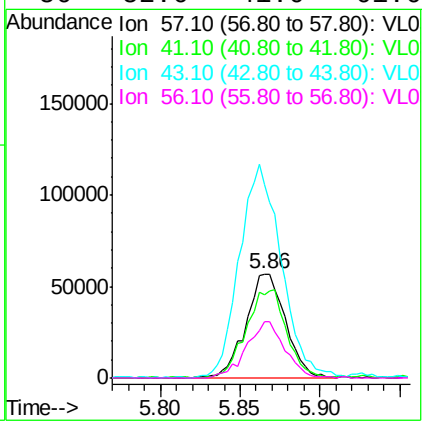


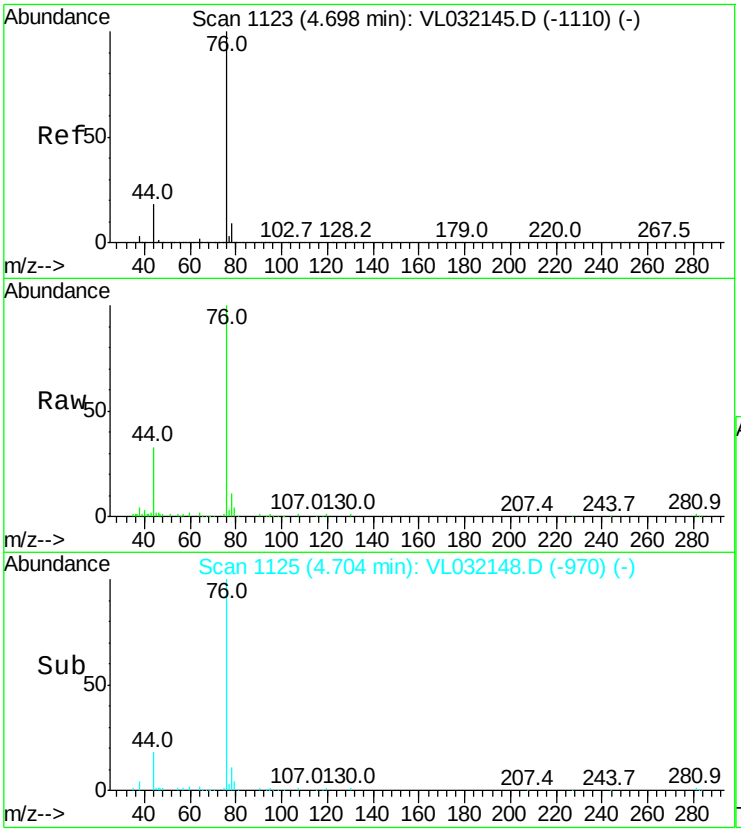


#26
Hexane
Concen: 0.477 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 57 Resp: 96619

Ion	Ratio	Lower	Upper
57	100		
41	88.2	68.6	103.0
43	217.5	168.6	252.8
56	52.6	41.0	61.6



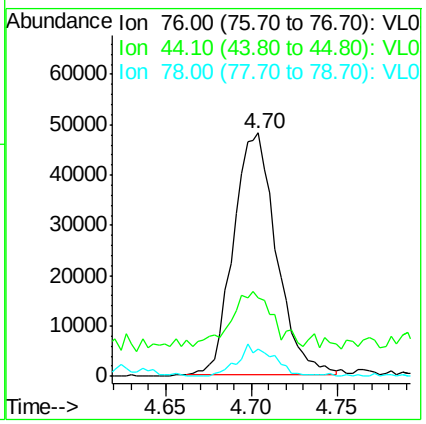


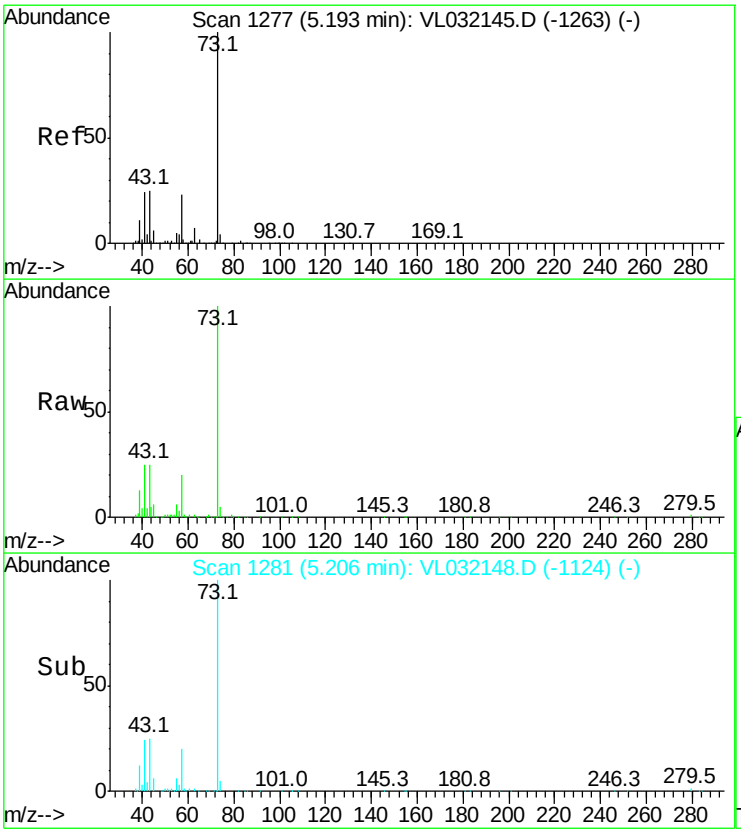
#27
Carbon Disulfide
Concen: 0.412 ppbv
RT: 4.70 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 83437

Ion	Ratio	Lower	Upper
76	100		
44	37.0	15.1	22.7#
78	11.4	7.2	10.8#

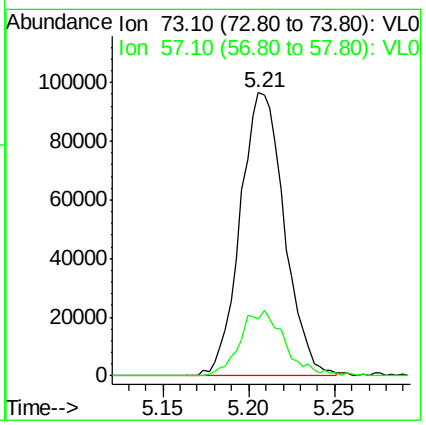


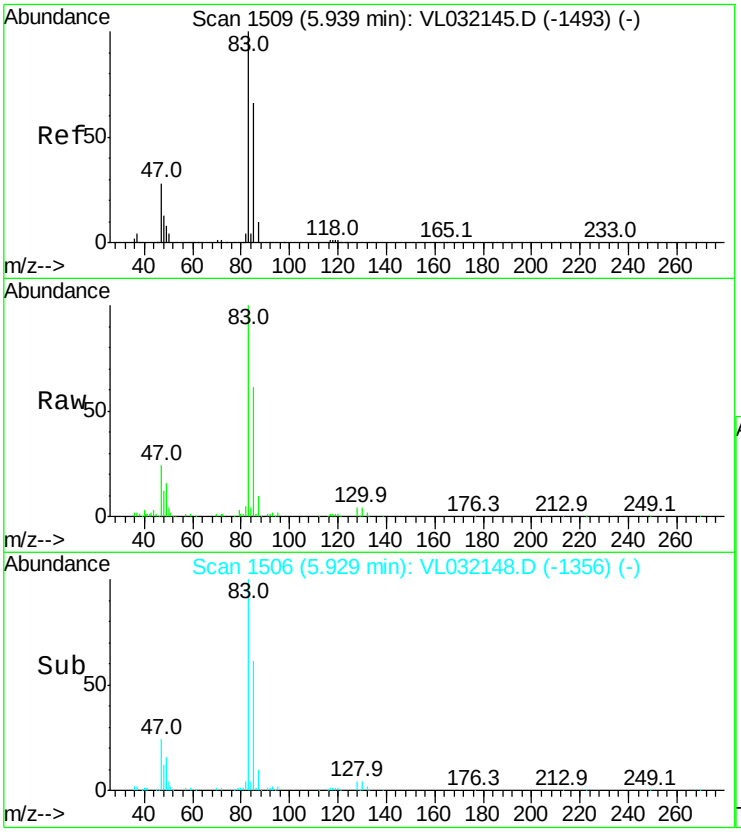


#28
Methyl tert-Butyl Ether
Concen: 0.670 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 73 Resp: 171605

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.6	27.8



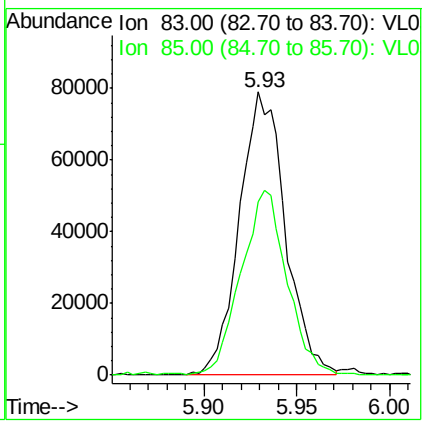


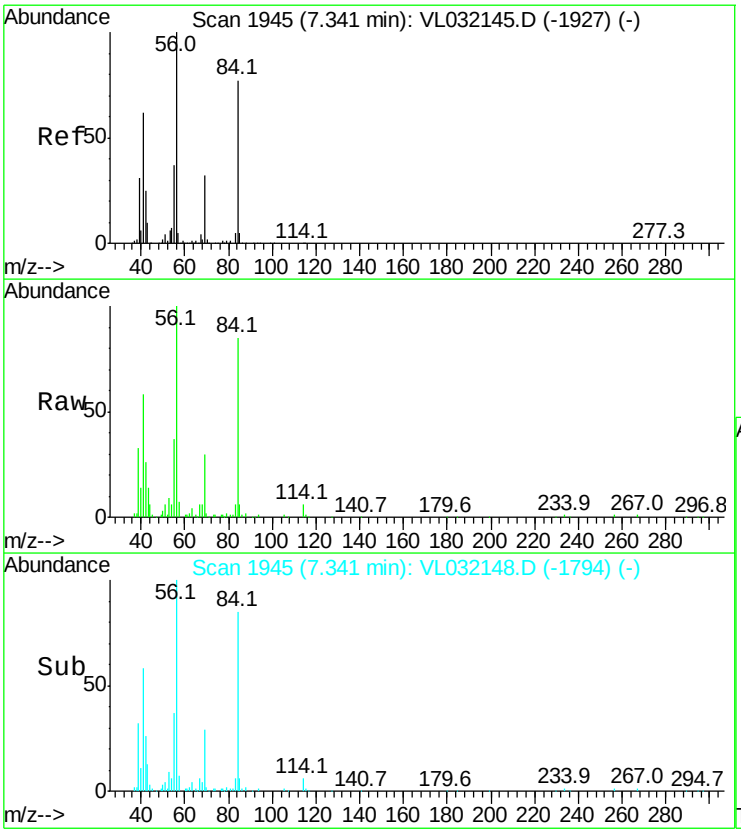
#29
Chloroform
Concen: 0.510 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 136389

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.6	77.4

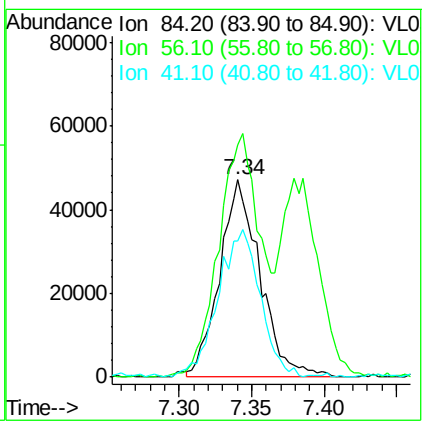


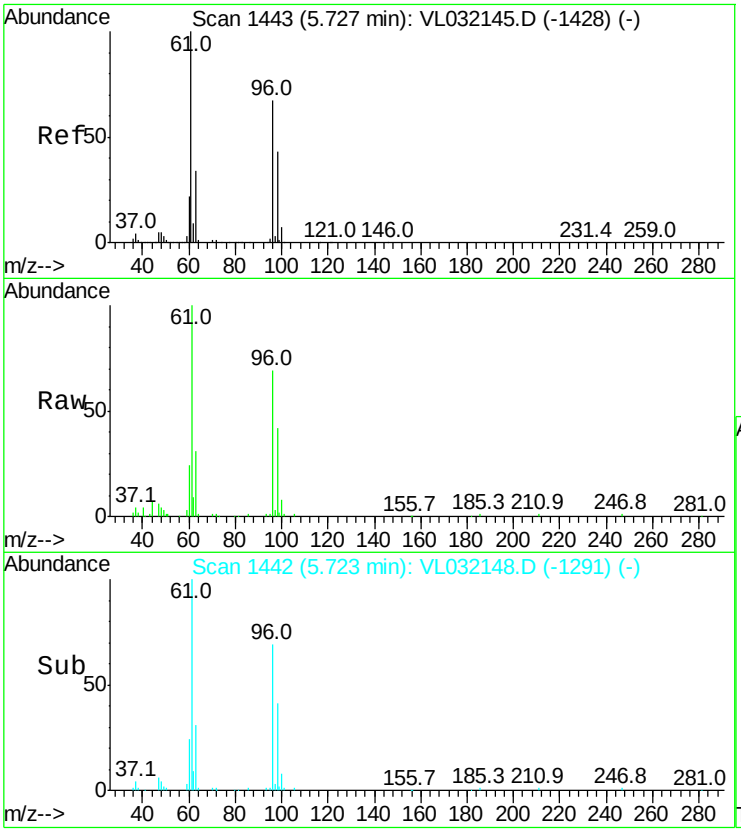


#30
Cyclohexane
Concen: 0.545 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 84 Resp: 90955

Ion	Ratio	Lower	Upper
84	100		
56	125.0	109.1	163.7
41	78.8	64.6	96.8



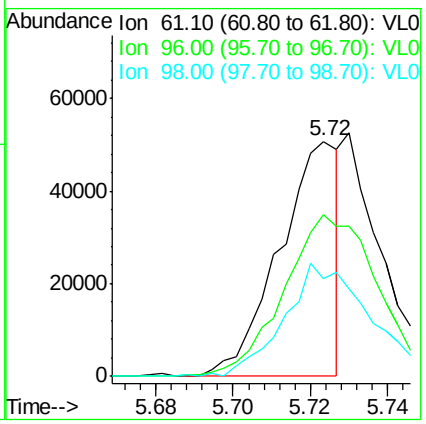


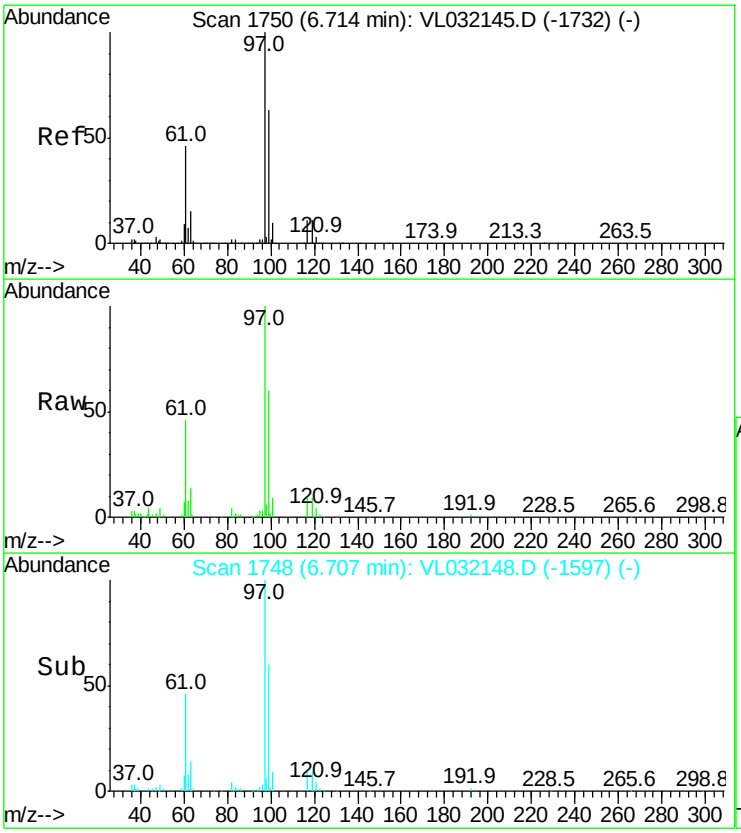
#31
cis-1,2-Dichloroethene
Concen: 0.299 ppbv
RT: 5.72 min Scan# 1442
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 53851

Ion	Ratio	Lower	Upper
61	100		
96	68.1	54.2	81.4
98	41.0	34.6	52.0

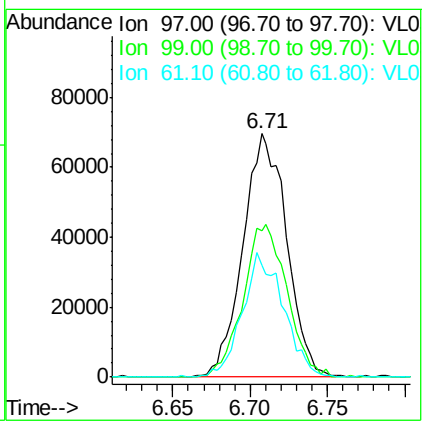


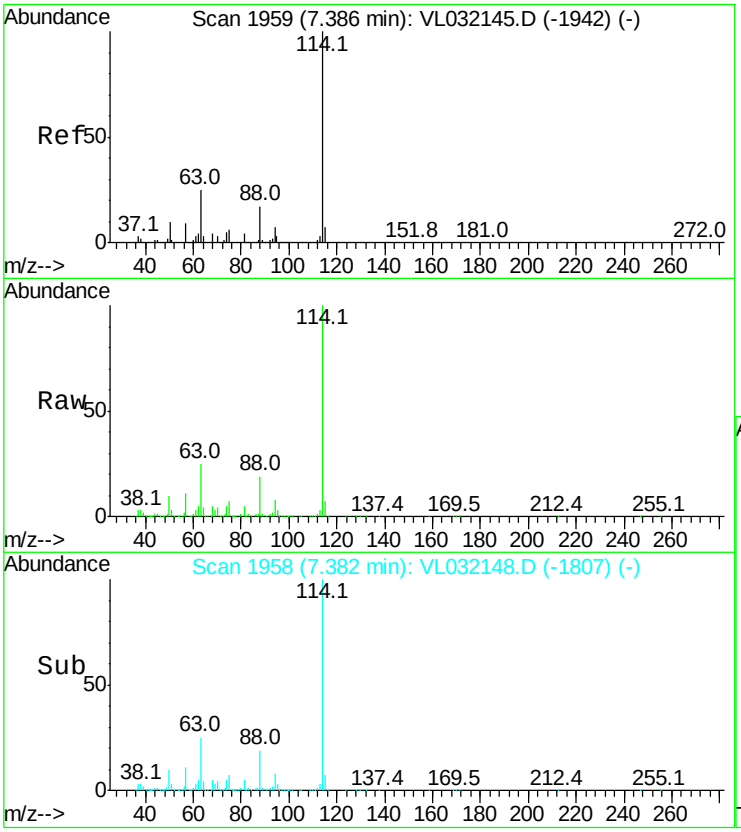


#32
1,1,1-Trichloroethane
Concen: 0.491 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 97 Resp: 137024

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	48.2	38.4	57.6



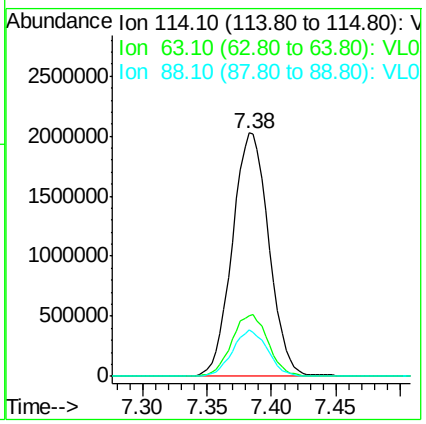


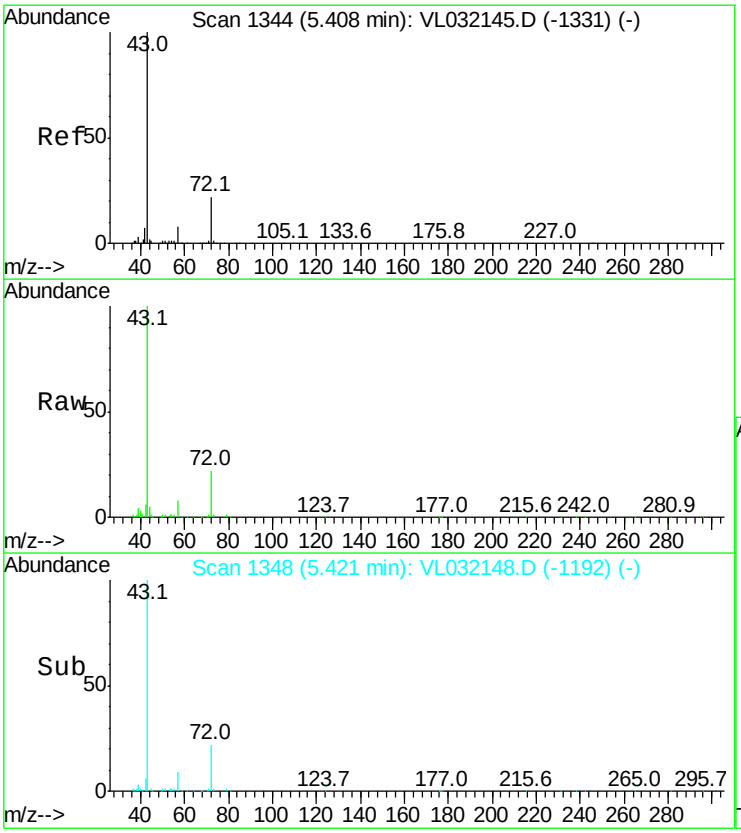
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 3985609

Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.1	28.7
88	18.4	13.9	20.9

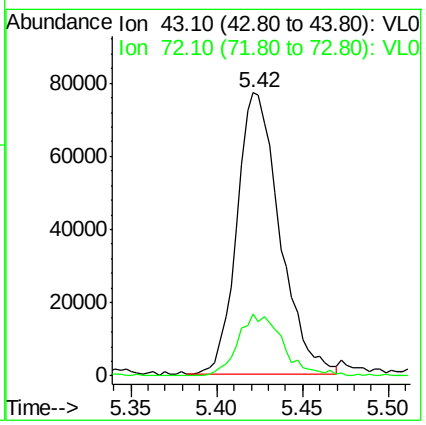


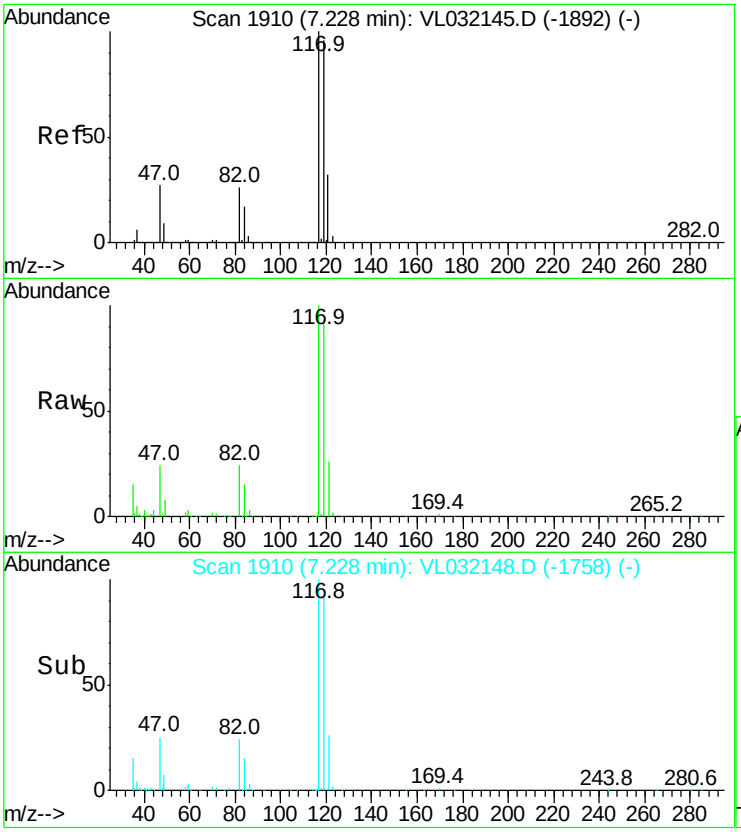


#34
2-Butanone
Concen: 0.415 ppbv
RT: 5.42 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 43 Resp: 134158

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.4	27.6



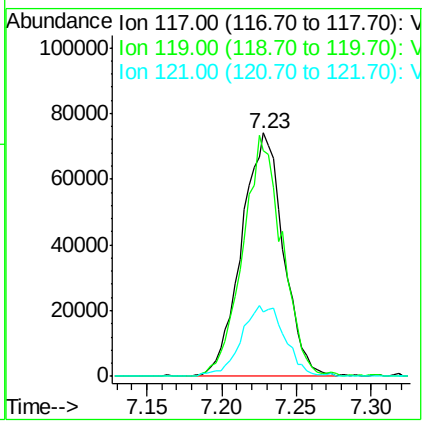


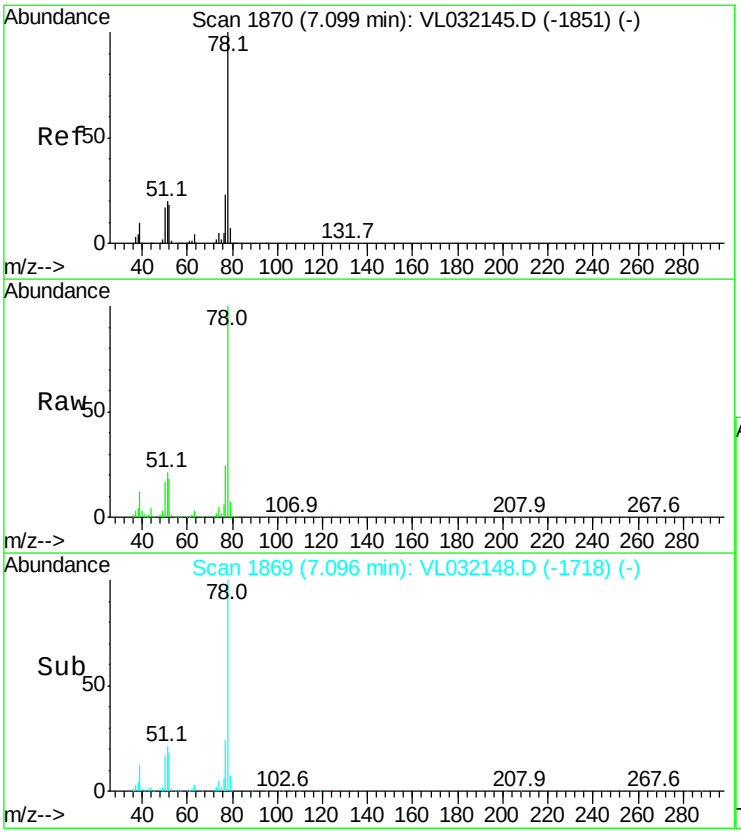
#35
Carbon Tetrachloride
Concen: 0.519 ppbv
RT: 7.23 min Scan# 1910
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 143583

Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.8	112.2
121	26.2	24.0	36.0

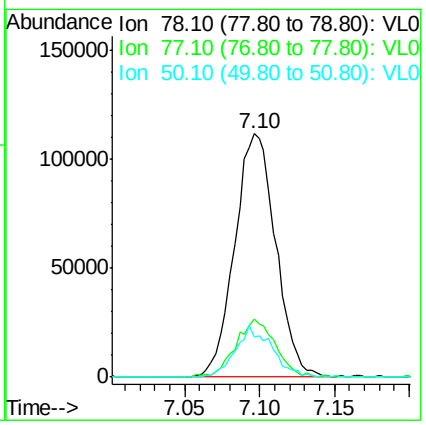


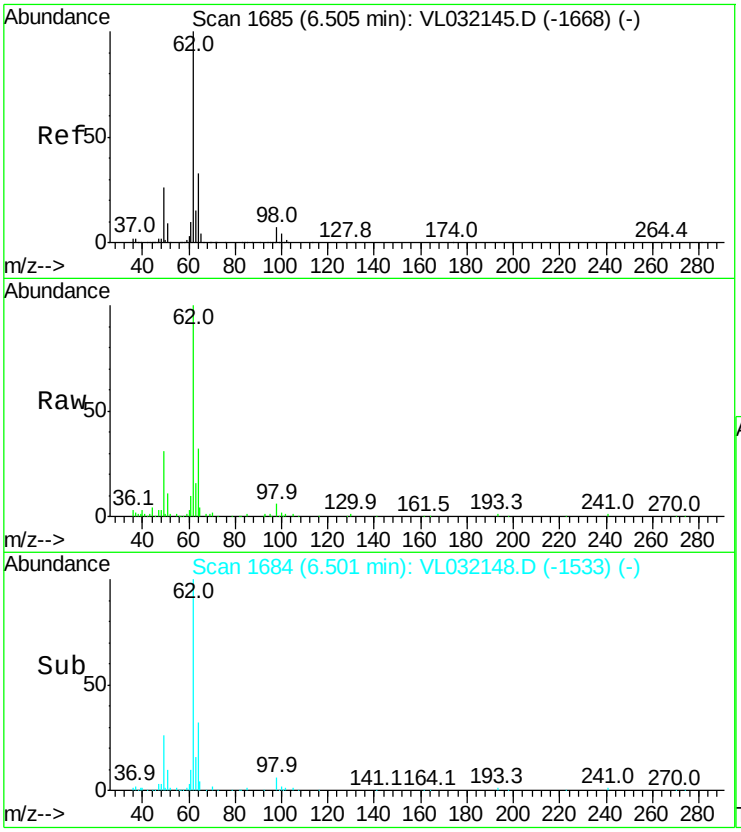


#36
Benzene
Concen: 0.492 ppbv
RT: 7.10 min Scan# 1869
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 78 Resp: 212725

Ion	Ratio	Lower	Upper
78	100		
77	23.7	17.7	26.5
50	16.3	14.0	21.0



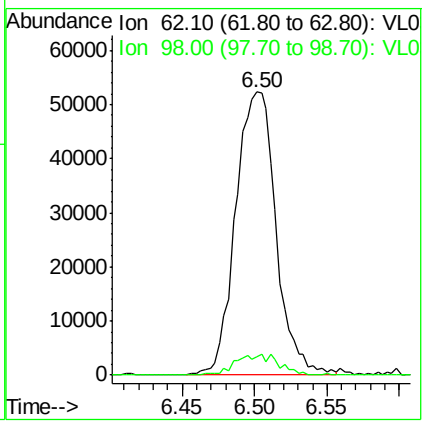


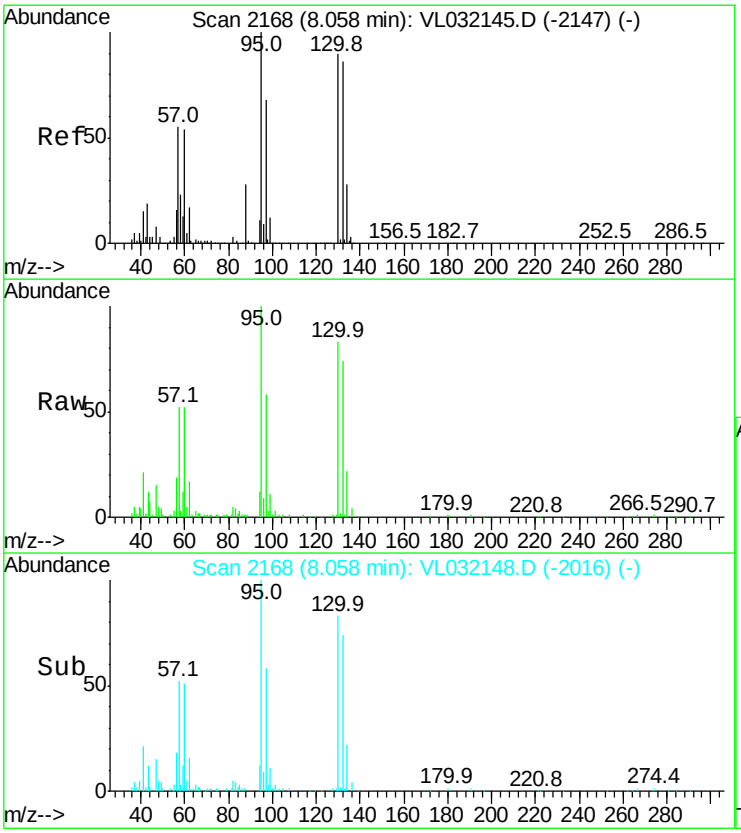
#37
1,2-Dichloroethane
Concen: 0.457 ppbv
RT: 6.50 min Scan# 1684
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 101561

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.8	8.6

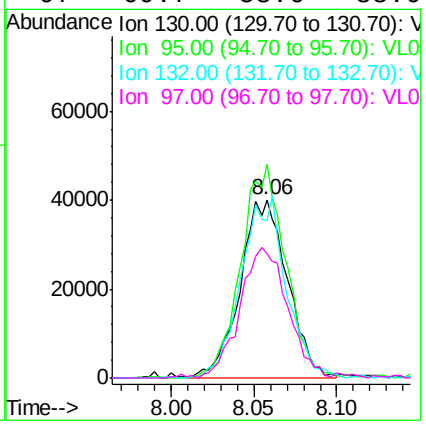


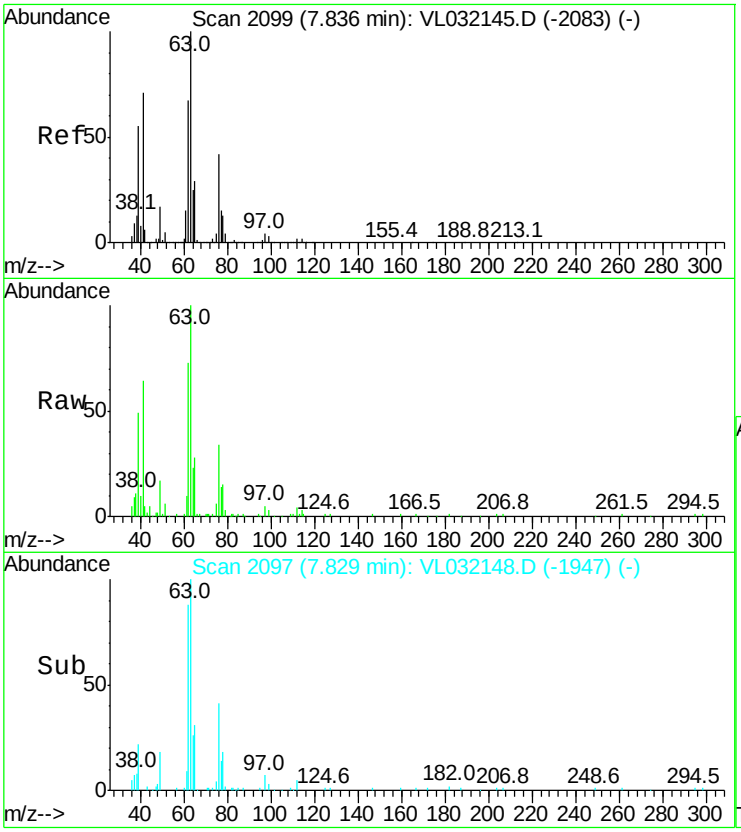


#38
Trichloroethene
Concen: 0.477 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:130 Resp: 79449

Ion	Ratio	Lower	Upper
130	100		
95	120.4	88.1	132.1
132	88.9	74.6	112.0
97	69.7	58.6	88.0



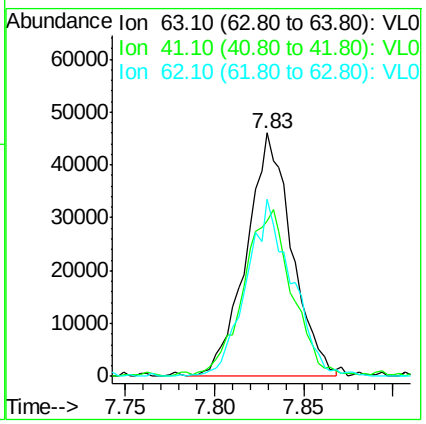


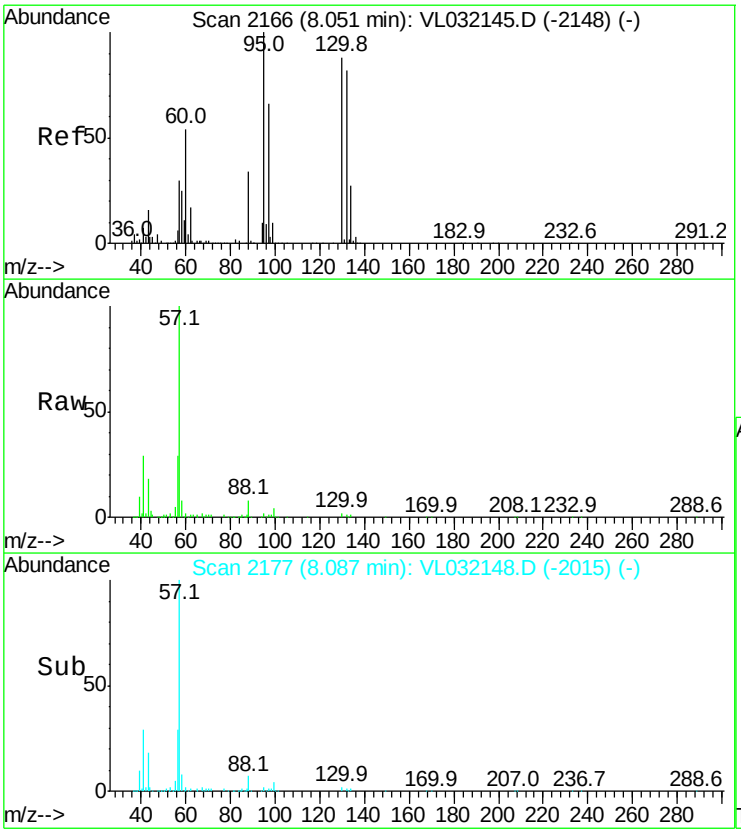
#39
1,2-Dichloropropane
Concen: 0.518 ppbv
RT: 7.83 min Scan# 2097
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 82180

Ion	Ratio	Lower	Upper
63	100		
41	61.6	53.3	79.9
62	72.5	54.8	82.2

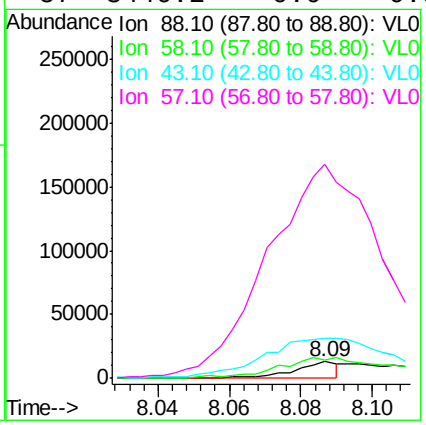


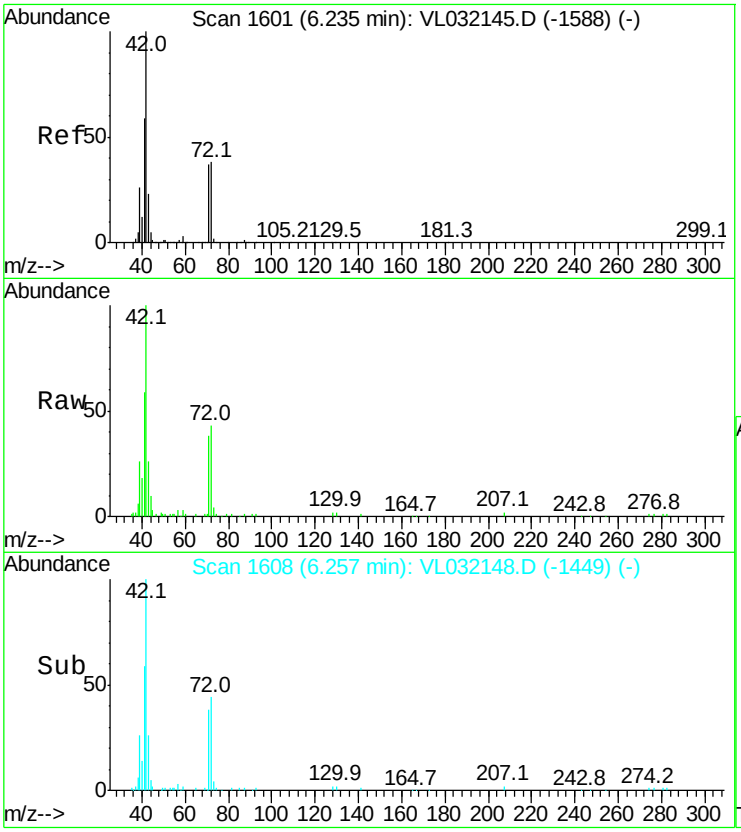


#40
1,4-Dioxane
Concen: 0.149 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. 0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 88 Resp: 11019

Ion	Ratio	Lower	Upper
88	100		
58	0.0	47.4	71.0#
43	0.0	0.0	0.0
57	3446.2	0.0	0.0#



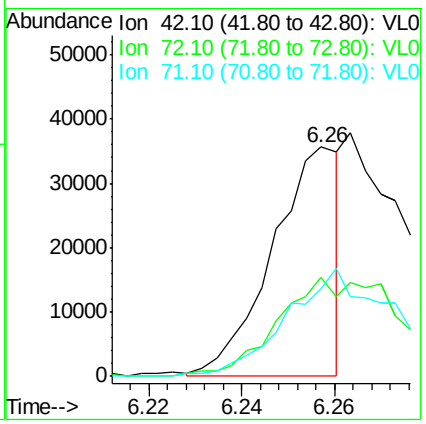


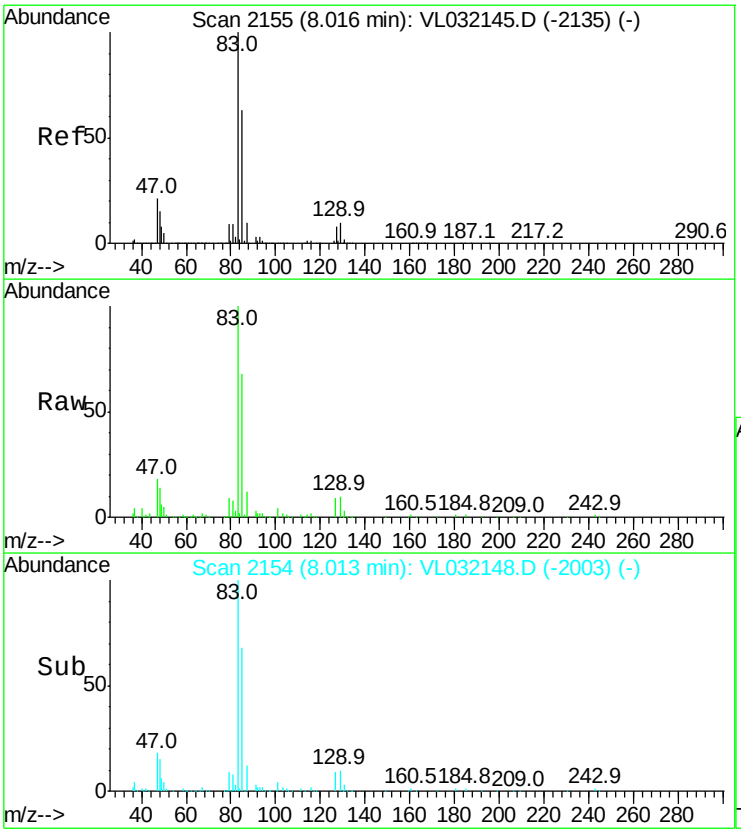
#41
Tetrahydrofuran
Concen: 0.184 ppbv
RT: 6.26 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 42 Resp: 35552

Ion	Ratio	Lower	Upper
42	100		
72	88.4	31.1	46.7#
71	0.0	29.5	44.3#

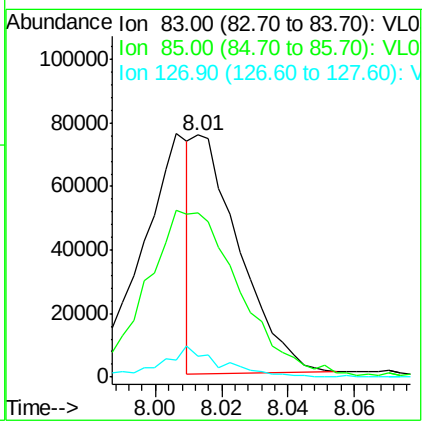


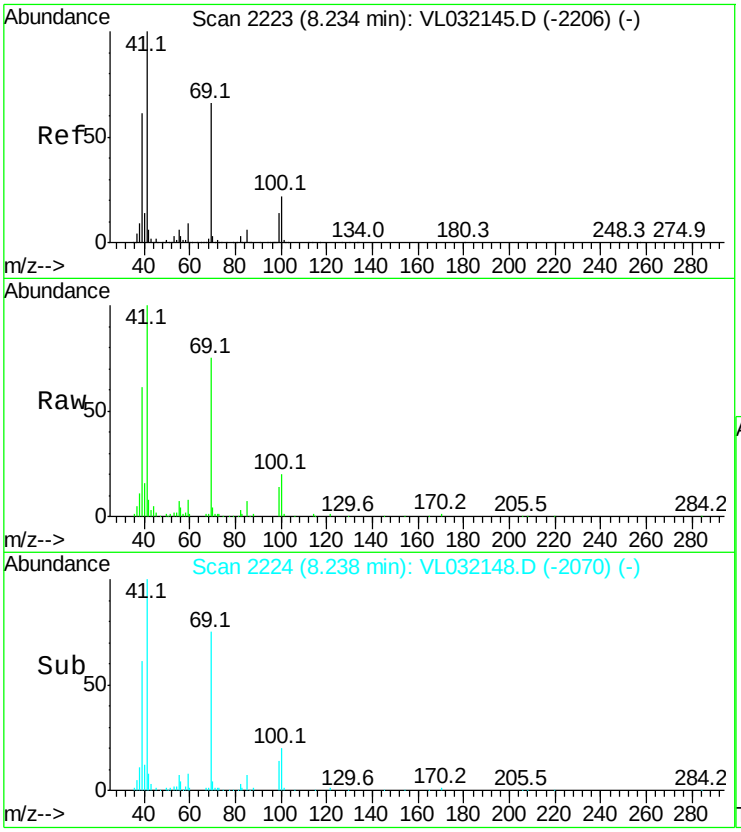


#42
Bromodichloromethane
Concen: 0.242 ppbv
RT: 8.01 min Scan# 2154
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 83 Resp: 72785

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.6	79.0
127	9.0	6.5	9.7



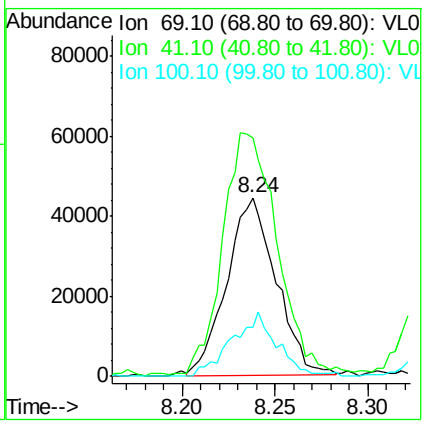


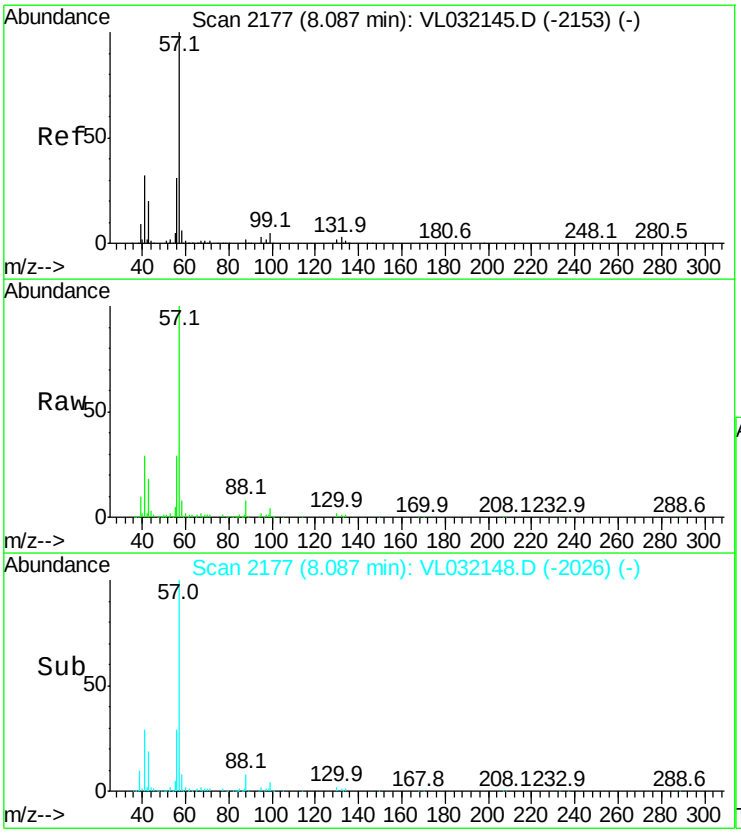
#43
Methyl Methacrylate
Concen: 0.482 ppbv
RT: 8.24 min Scan# 2224
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 69 Resp: 82380

Ion	Ratio	Lower	Upper
69	100		
41	153.5	118.2	177.4
100	33.2	27.4	41.2

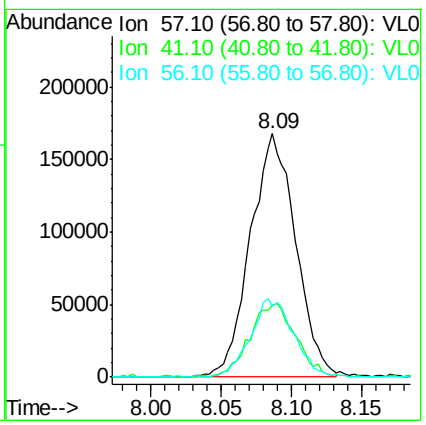


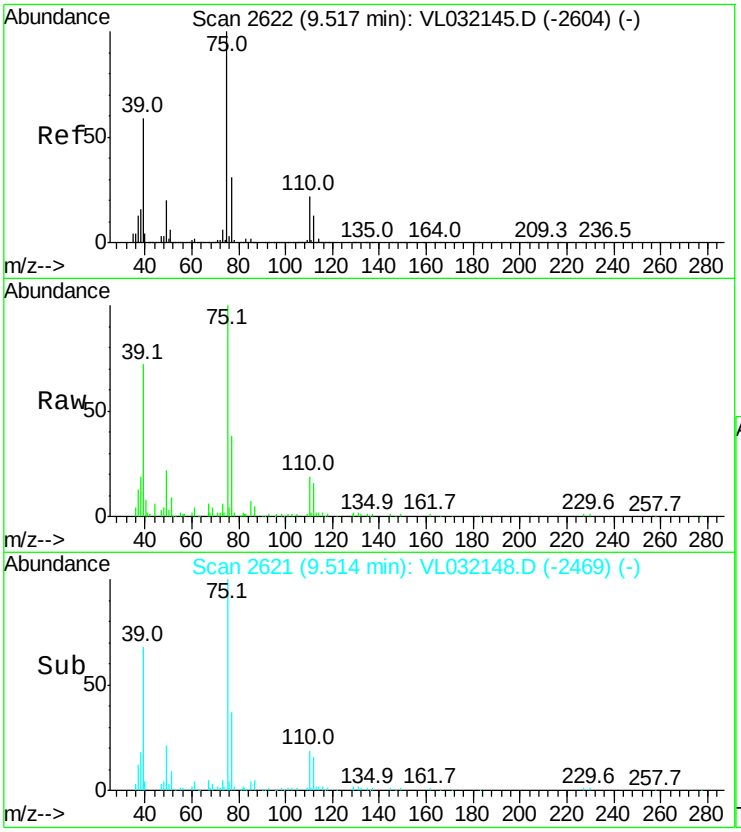


#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 57 Resp: 376484

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.3	36.5
56	31.0	25.1	37.7



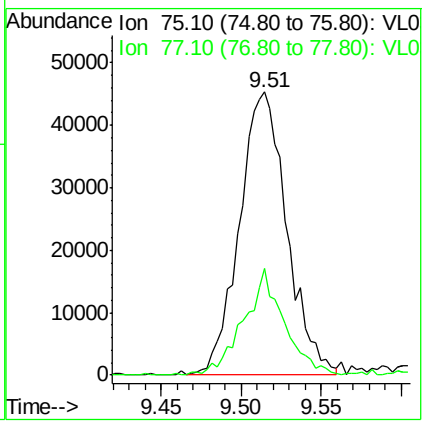


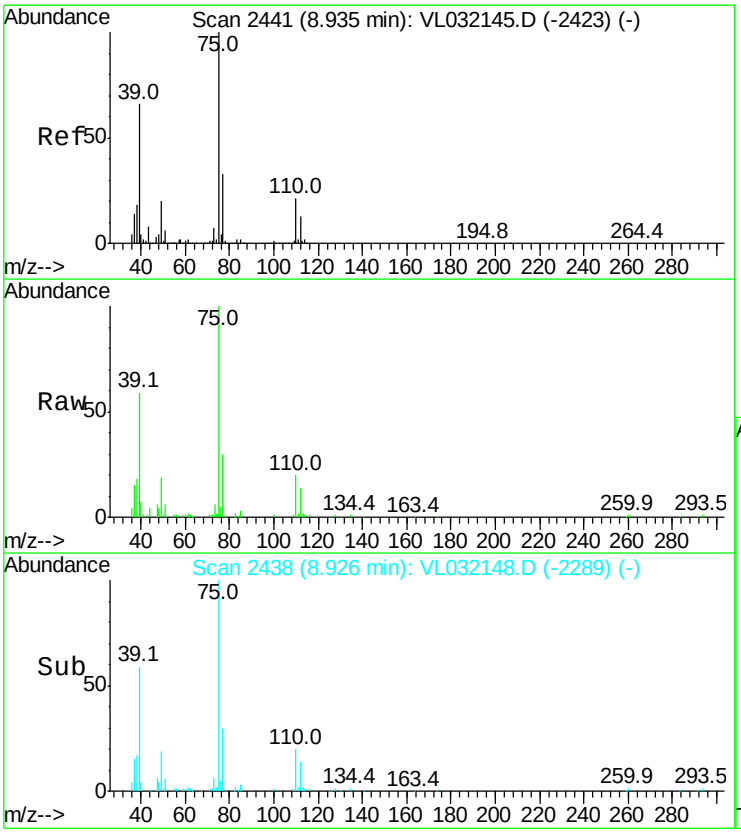
#45
t-1,3-Dichloropropene
Concen: 0.433 ppbv
RT: 9.51 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 91477

Ion	Ratio	Lower	Upper
75	100		
77	37.8	25.6	38.4

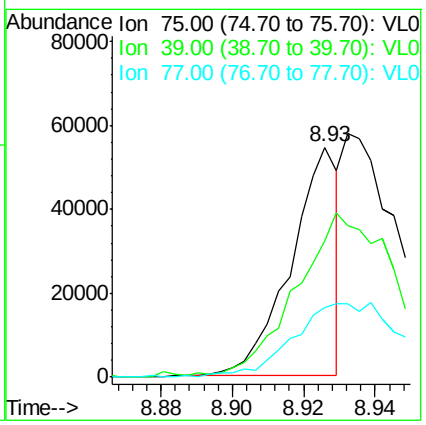


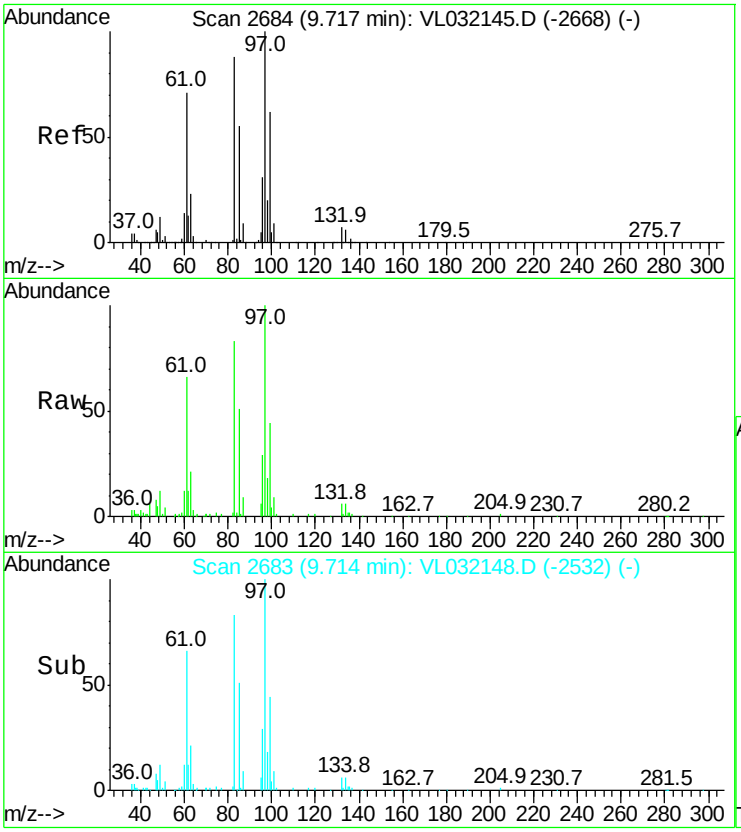


#46
cis-1,3-Dichloropropene
Concen: 0.186 ppbv
RT: 8.93 min Scan# 2438
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 75 Resp: 50363

Ion	Ratio	Lower	Upper
75	100		
39	58.9	51.9	77.9
77	29.7	24.3	36.5



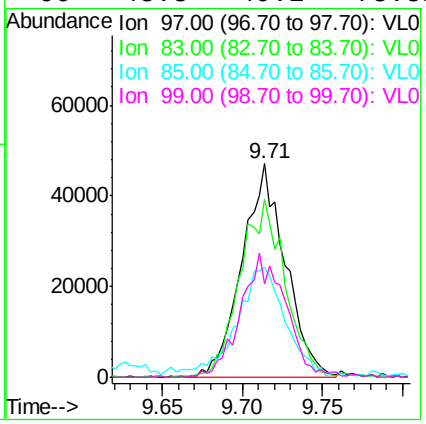


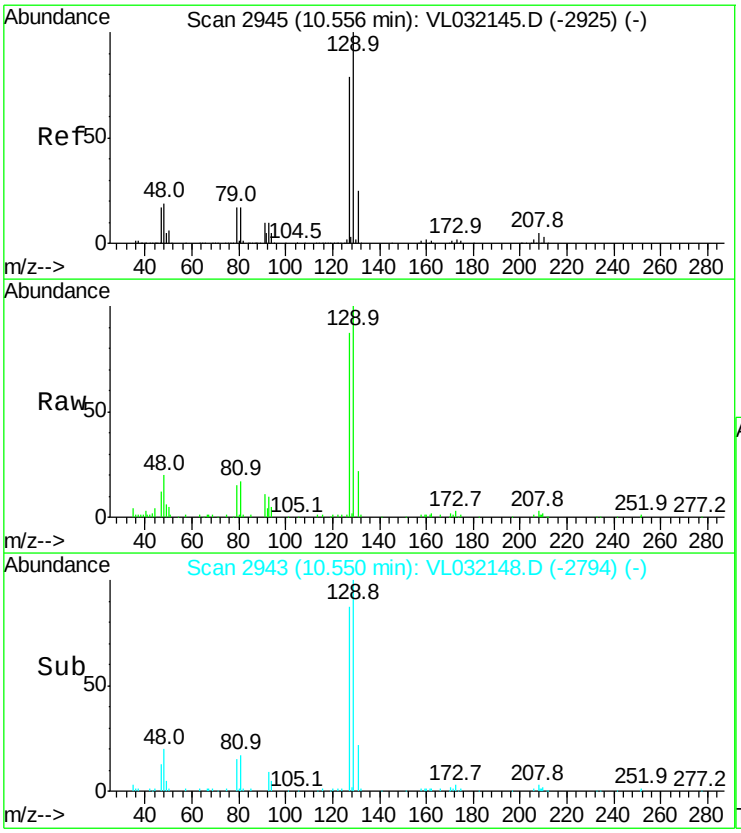
#47
1,1,2-Trichloroethane
Concen: 0.486 ppbv
RT: 9.71 min Scan# 2683
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 97 Resp: 87262

Ion	Ratio	Lower	Upper
97	100		
83	82.8	71.0	106.4
85	49.0	44.2	66.4
99	43.8	49.2	73.8#

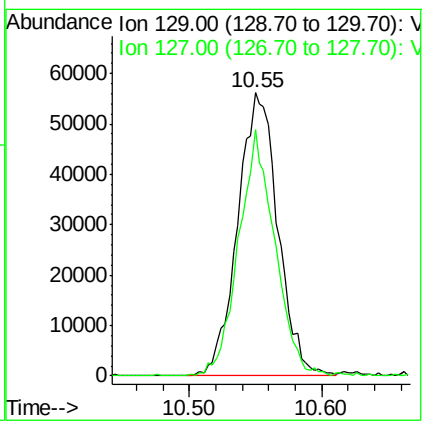


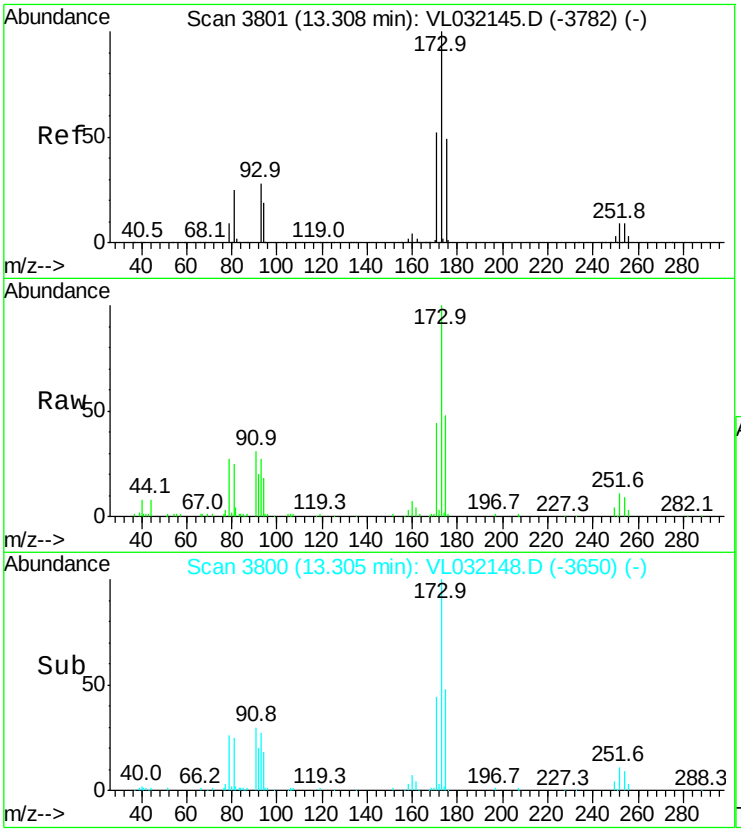


#48
Dibromochloromethane
Concen: 0.441 ppbv
RT: 10.55 min Scan# 2943
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:129 Resp: 118576

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.5



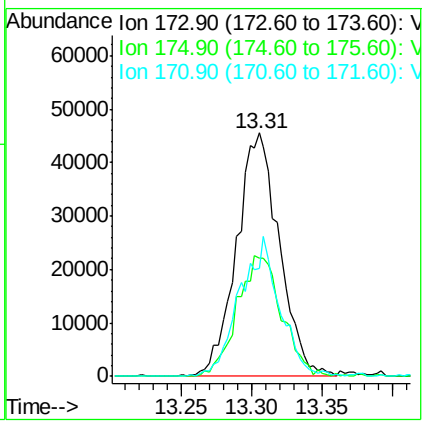


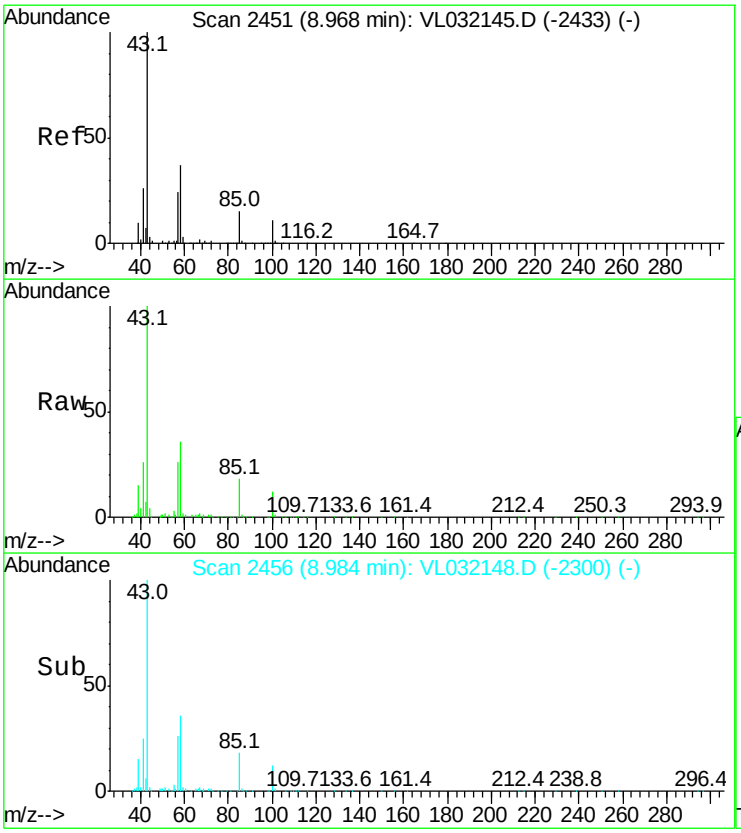
#49
Bromoform
Concen: 0.471 ppbv
RT: 13.31 min Scan# 3800
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 96899

Ion	Ratio	Lower	Upper
173	100		
175	52.1	39.4	59.0
171	53.6	41.8	62.8

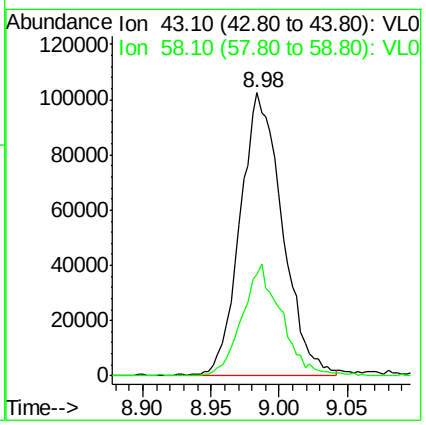


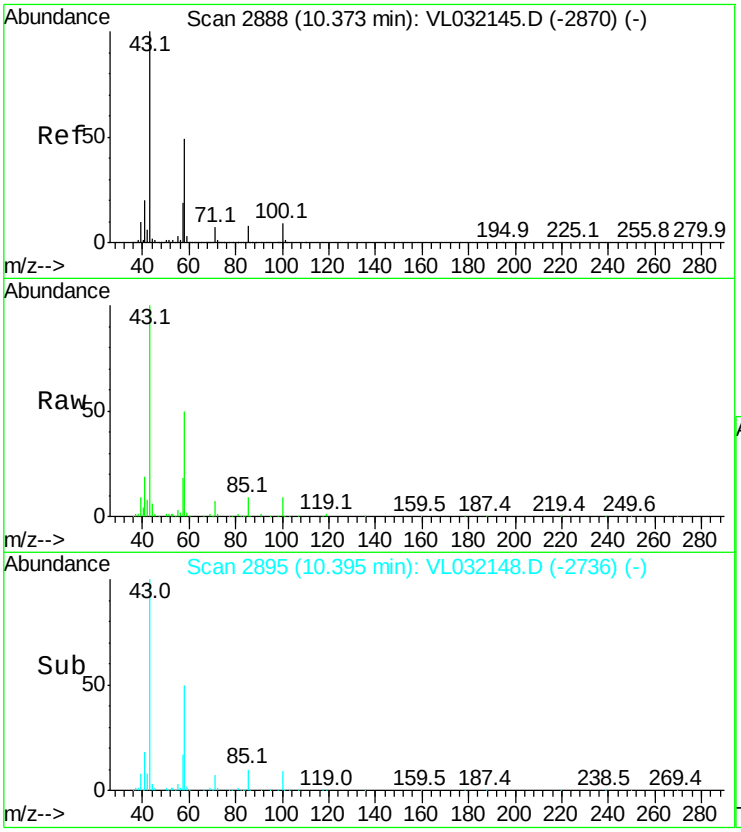


#50
4-Methyl-2-Pentanone
Concen: 0.437 ppbv
RT: 8.98 min Scan# 2456
Delta R.T. 0.00 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 43 Resp: 219425

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.8	44.6



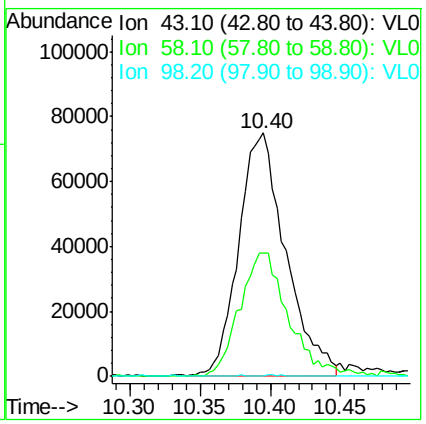


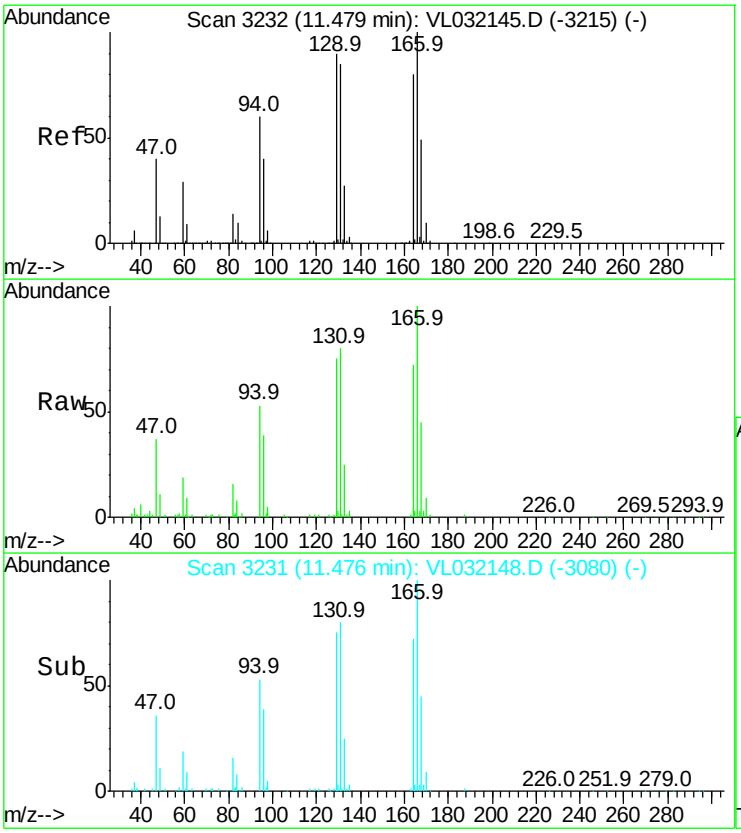
#51
2-Hexanone
Concen: 0.348 ppbv
RT: 10.40 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 173646

Ion	Ratio	Lower	Upper
43	100		
58	54.2	40.6	60.8
98	0.2	0.1	0.1#

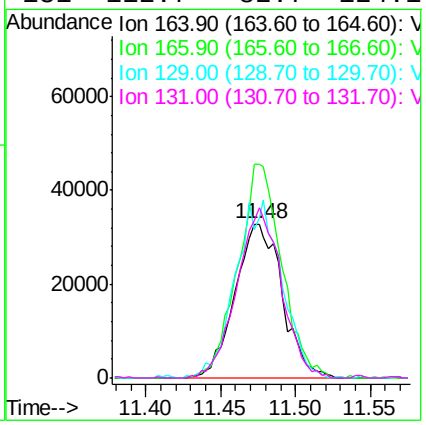


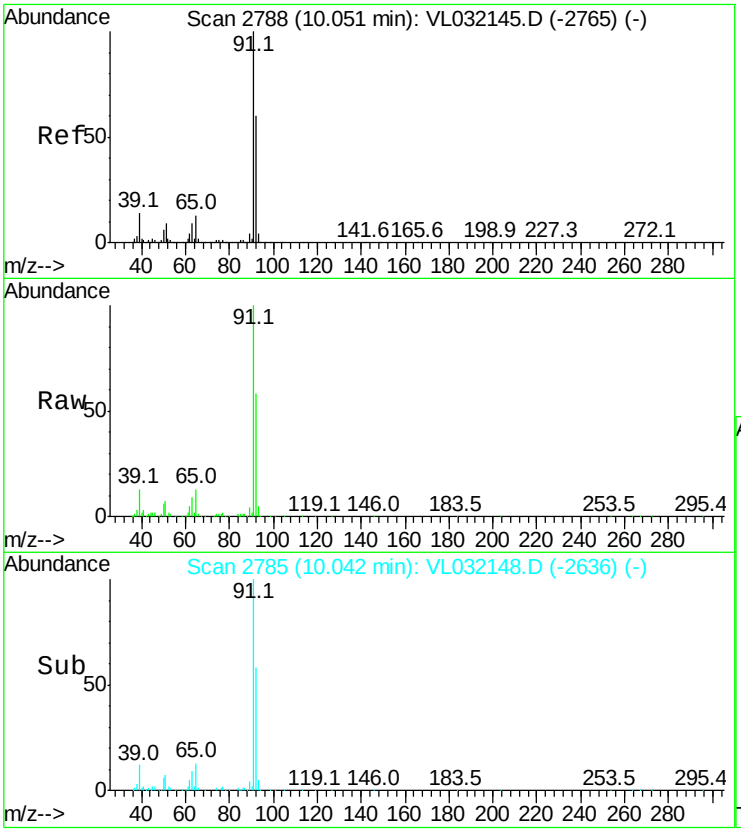


#52
Tetrachloroethene
Concen: 0.451 ppbv
RT: 11.48 min Scan# 3231
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:164 Resp: 72073

Ion	Ratio	Lower	Upper
164	100		
166	138.8	100.6	151.0
129	103.8	84.0	126.0
131	112.7	82.7	124.1



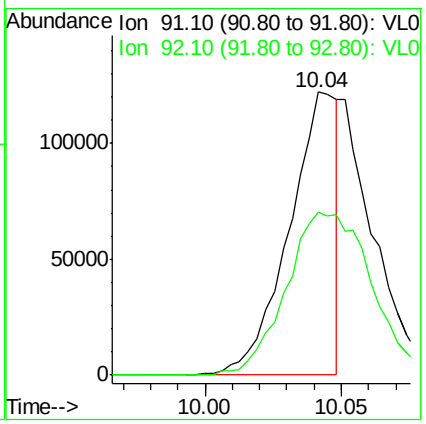


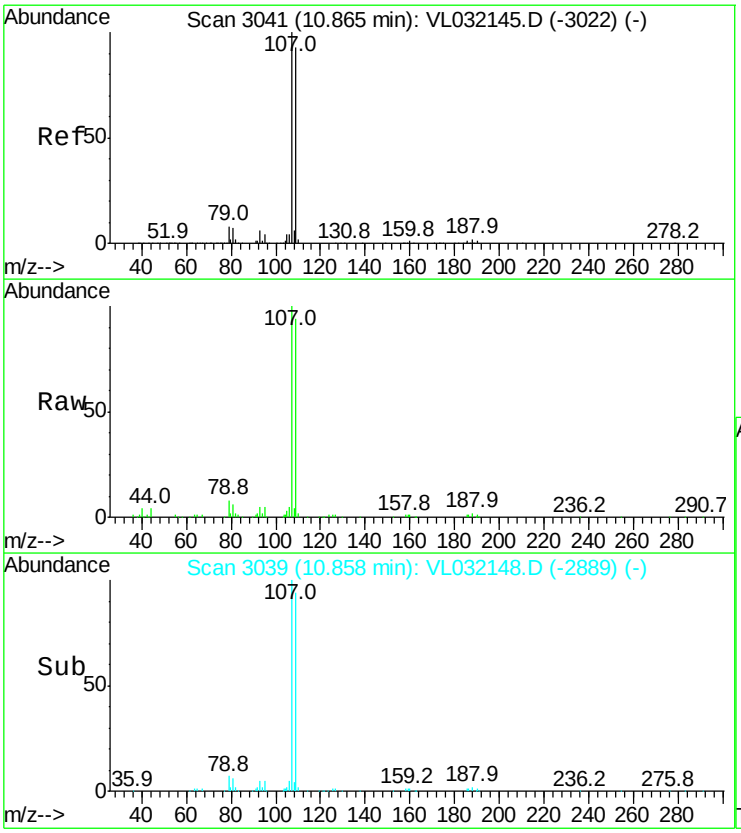
#53
Toluene
Concen: 0.288 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 150100

Ion	Ratio	Lower	Upper
91	100		
92	102.4	49.2	73.8#

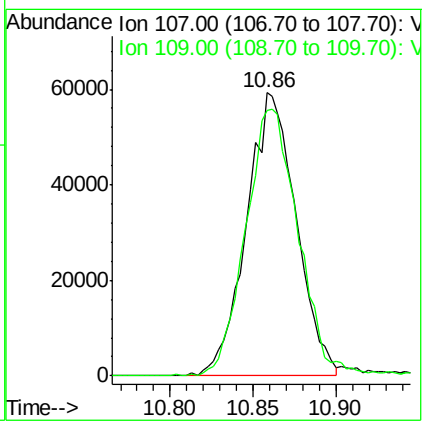


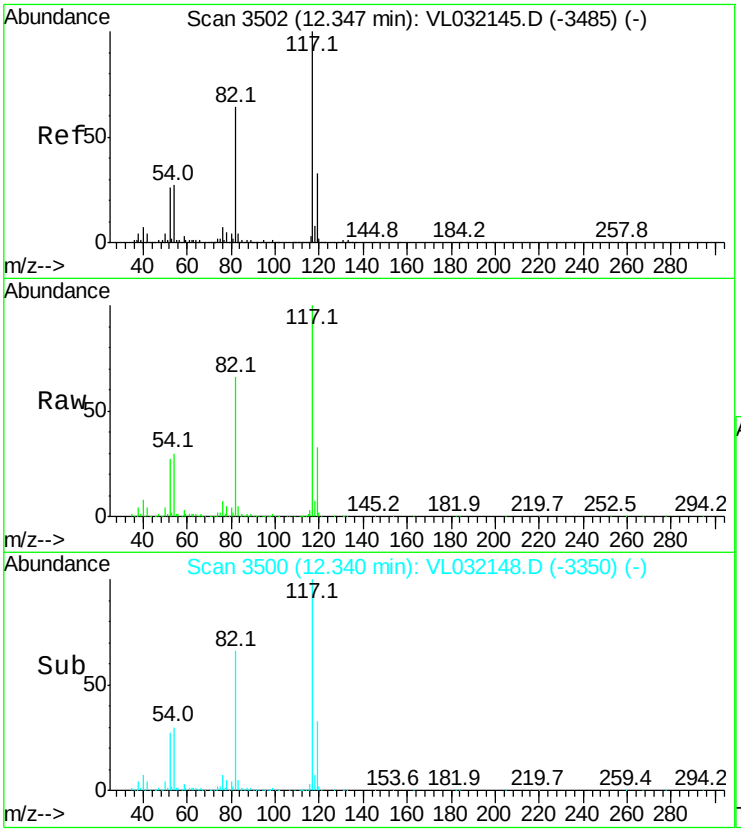


#54
1,2-Dibromoethane
Concen: 0.464 ppbv
RT: 10.86 min Scan# 3039
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:107 Resp: 123214

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.4



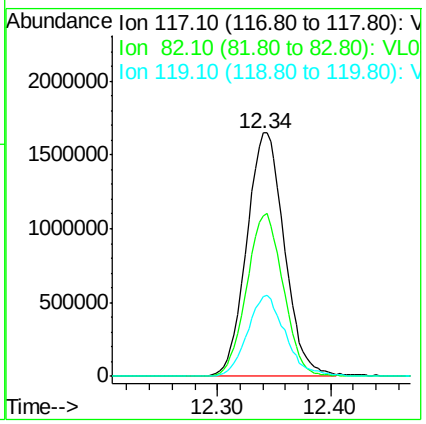


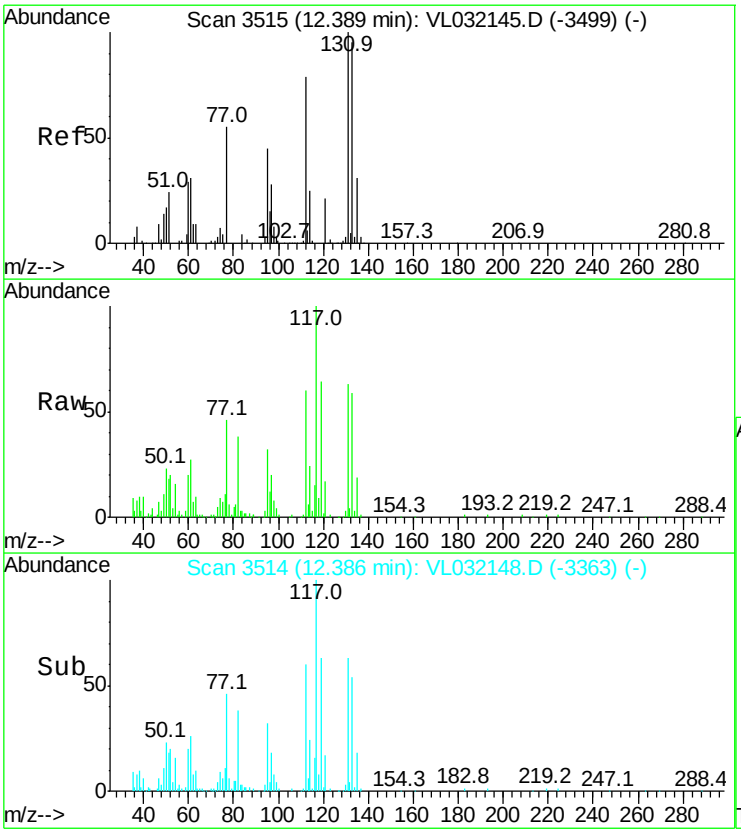
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 3821141

Ion	Ratio	Lower	Upper
117	100		
82	65.3	47.8	71.8
119	33.6	43.3	64.9#

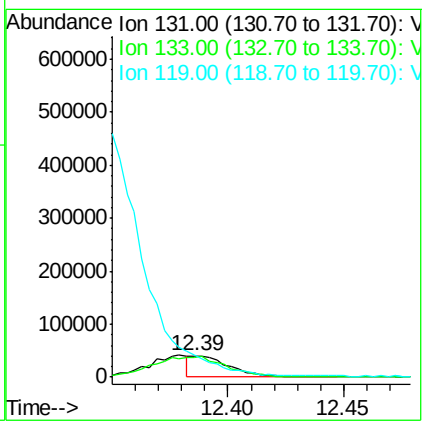


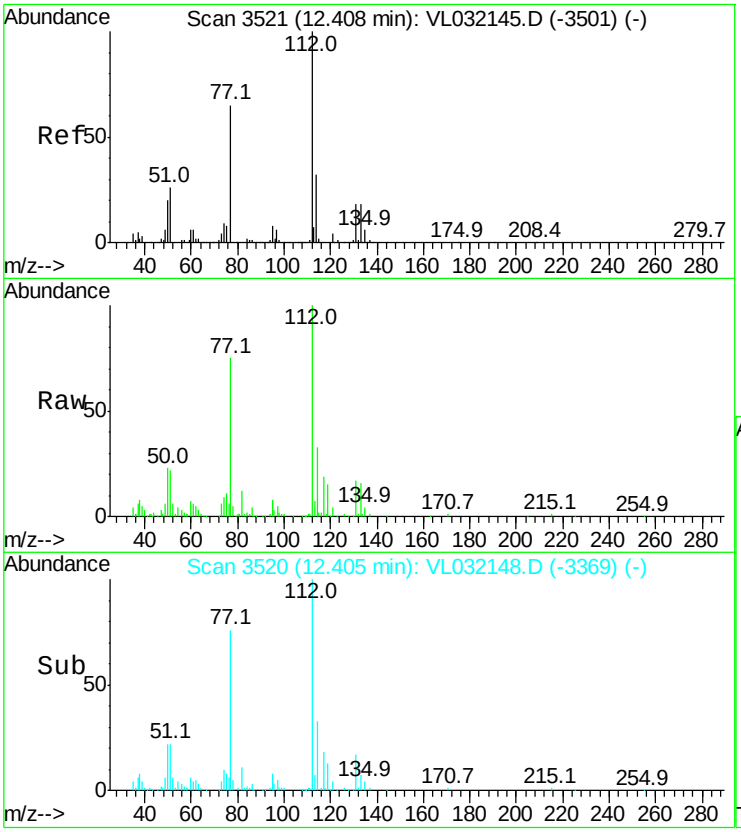


#56
1,1,1,2-Tetrachloroethane
Concen: 0.268 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:131 Resp: 45502

Ion	Ratio	Lower	Upper
131	100		
133	195.3	75.5	113.3#
119	0.0	118.4	177.6#



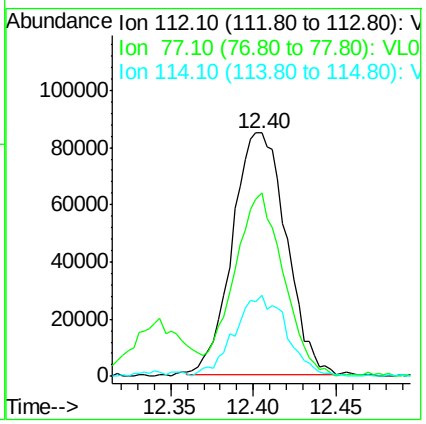


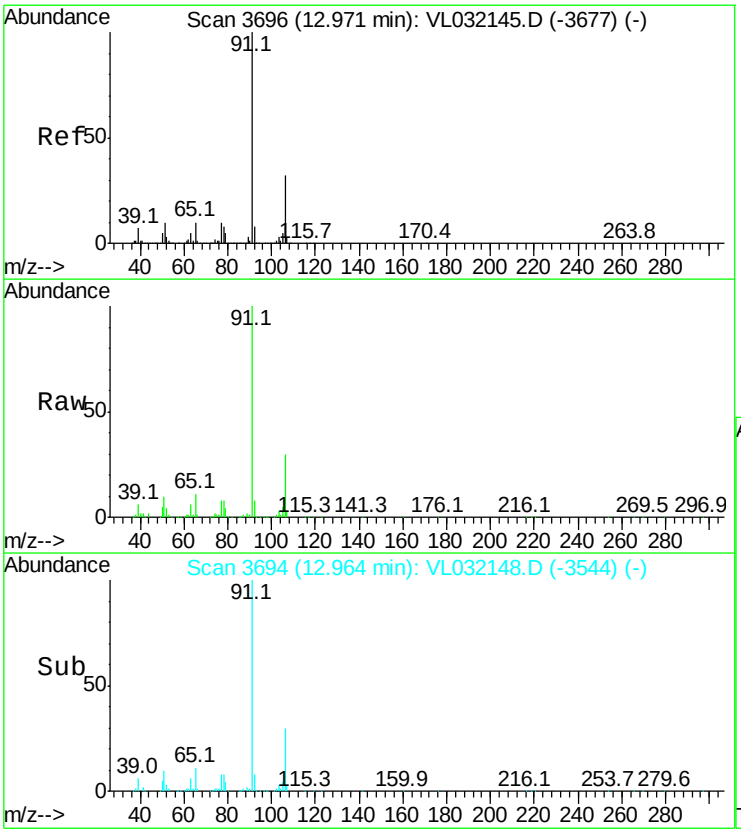
#57
Chlorobenzene
Concen: 0.526 ppbv
RT: 12.40 min Scan# 3520
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 190355

Ion	Ratio	Lower	Upper
112	100		
77	76.1	52.6	78.8
114	32.7	27.9	34.1

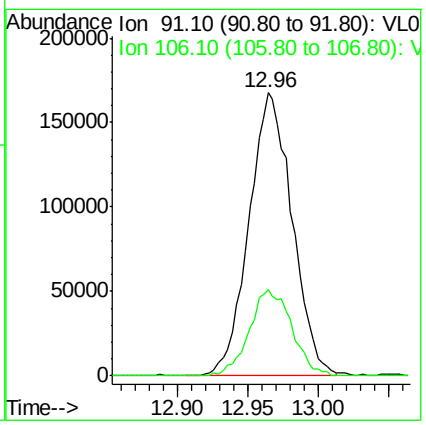


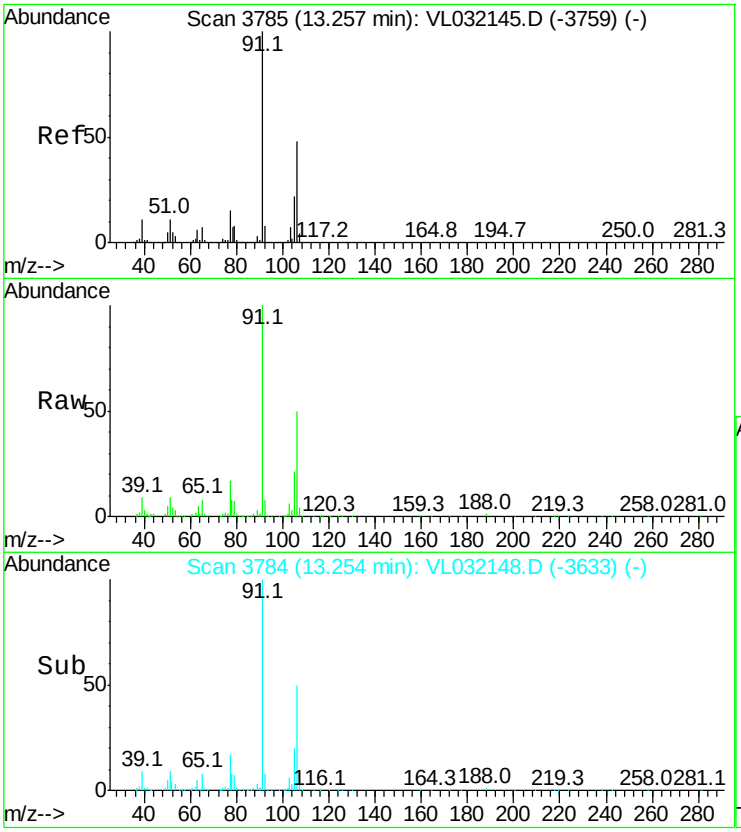


#58
Ethyl Benzene
Concen: 0.538 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 91 Resp: 357946

Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.5	39.7



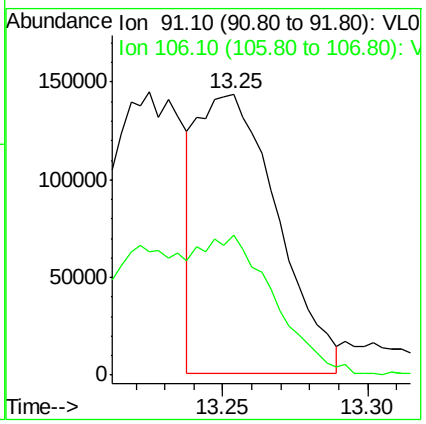


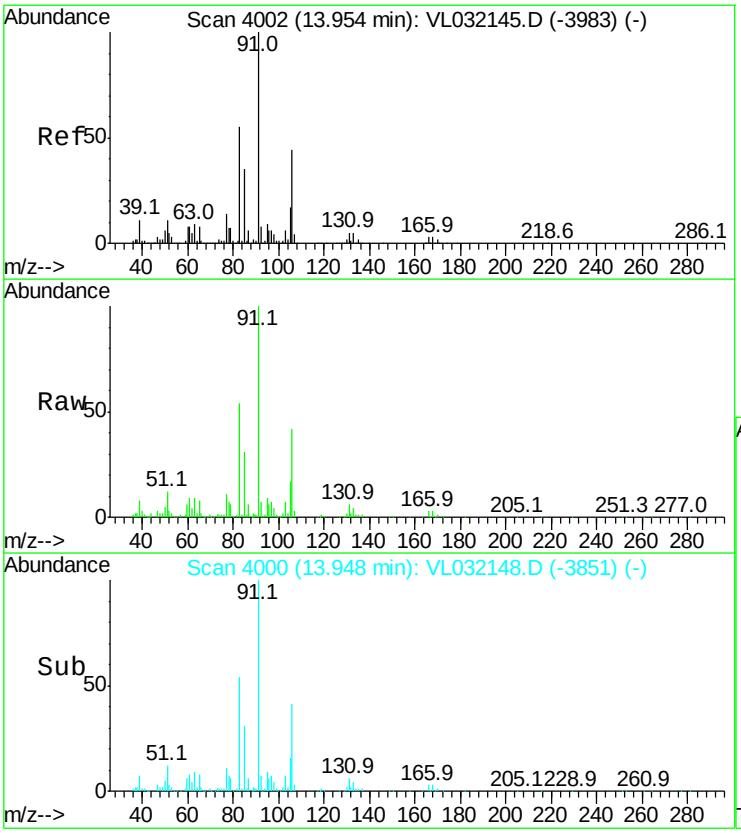
#59
m/p-Xylene
Concen: 0.520 ppbv
RT: 13.25 min Scan# 3784
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 274131

Ion	Ratio	Lower	Upper
91	100		
106	96.9	38.6	58.0#

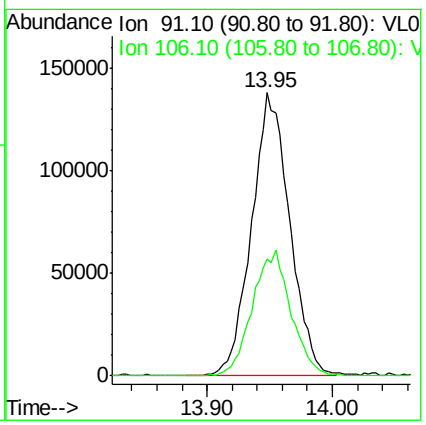


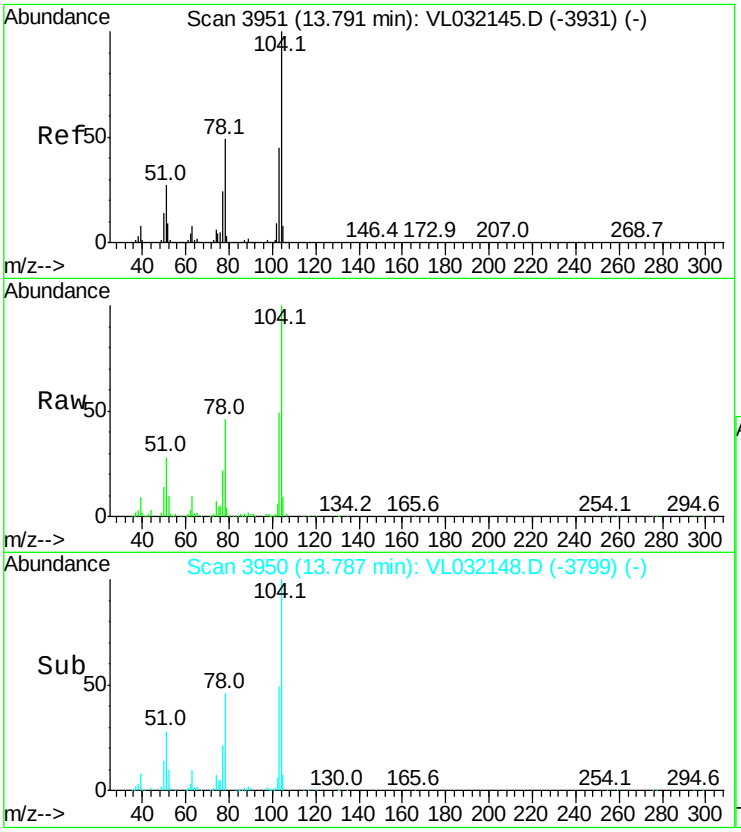


#60
o-Xylene
Concen: 0.558 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 91 Resp: 291346

Ion	Ratio	Lower	Upper
91	100		
106	44.9	23.3	69.8



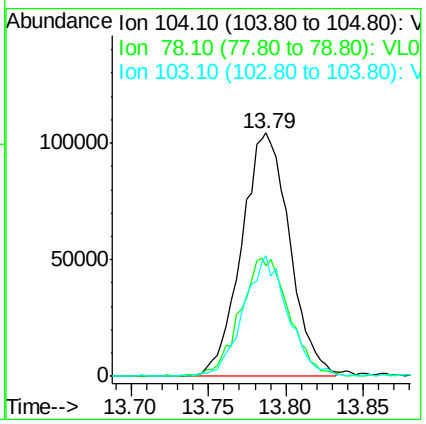


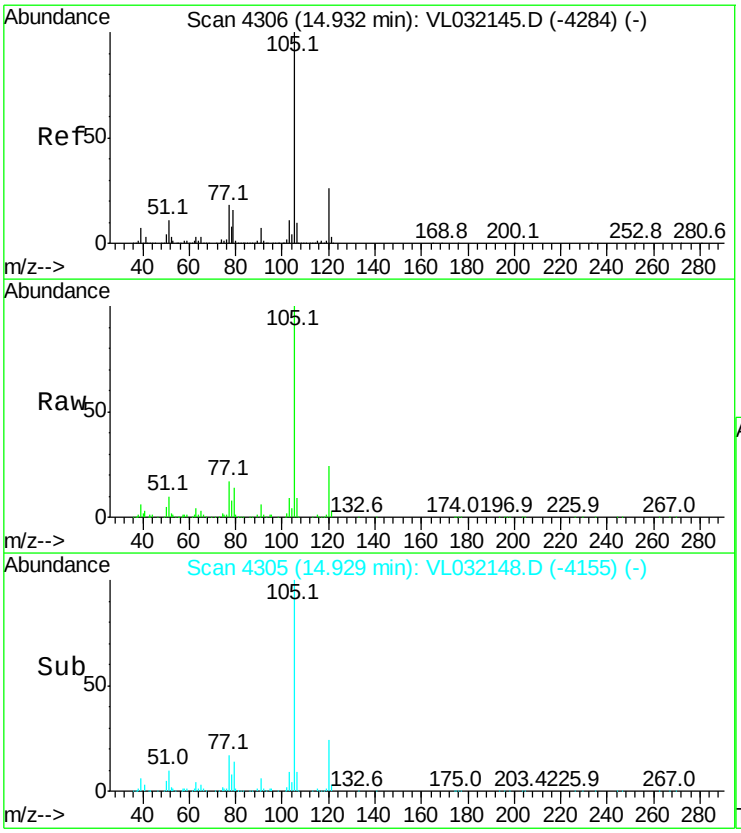
#61
Styrene
Concen: 1.445 ppbv
RT: 13.79 min Scan# 3950
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:104 Resp: 225567

Ion	Ratio	Lower	Upper
104	100		
78	49.5	37.9	56.9
103	46.3	36.6	55.0

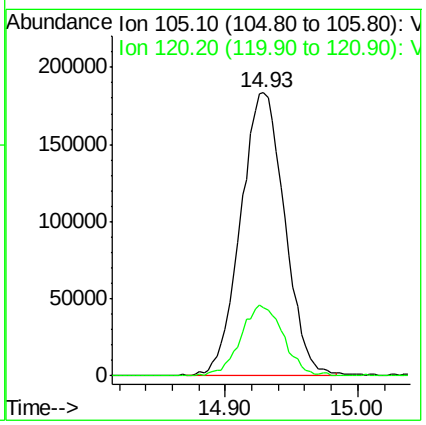


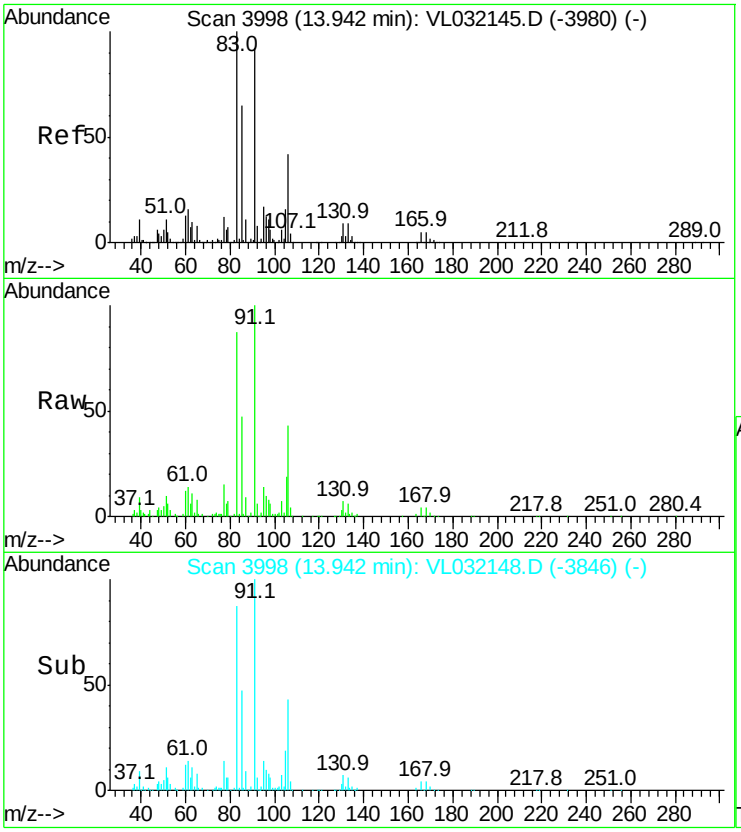


#62
Isopropylbenzene
Concen: 0.605 ppbv
RT: 14.93 min Scan# 4305
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:105 Resp: 421124

Ion	Ratio	Lower	Upper
105	100		
120	24.7	21.0	31.4



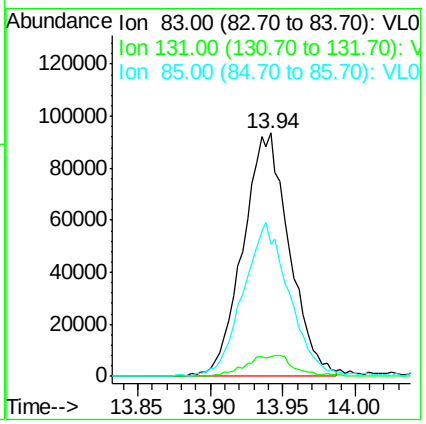


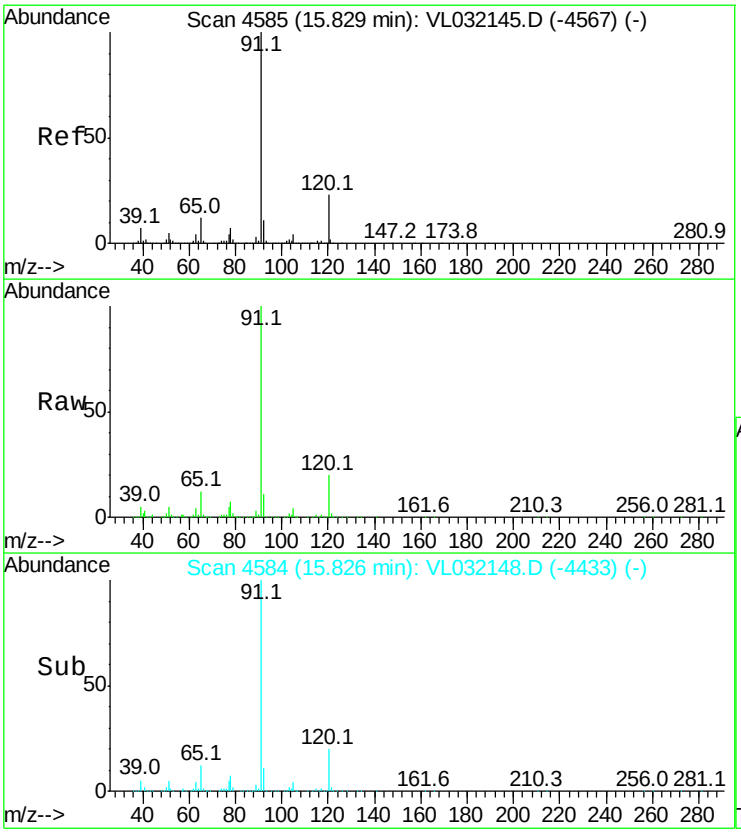
#63
1,1,2,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 83 Resp: 208043

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.6	13.8
85	63.7	32.4	97.2

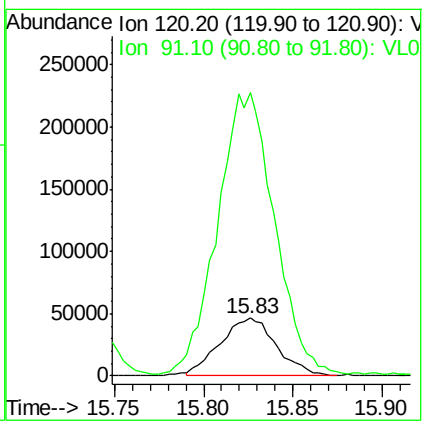


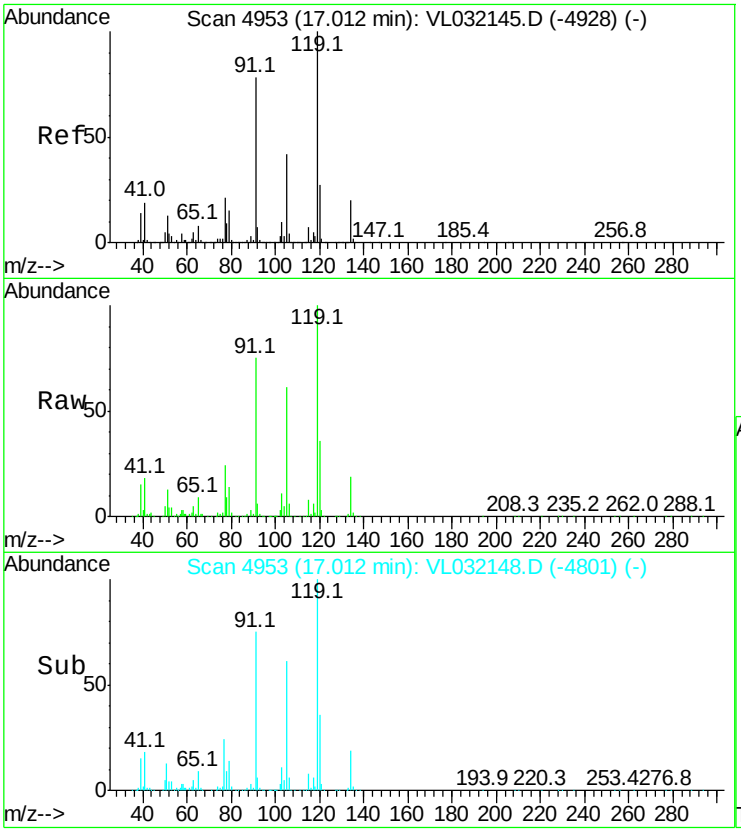


#64
n-propylbenzene
Concen: 0.563 ppbv
RT: 15.83 min Scan# 4584
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:120 Resp: 102213

Ion	Ratio	Lower	Upper
120	100		
91	502.3	357.4	536.0



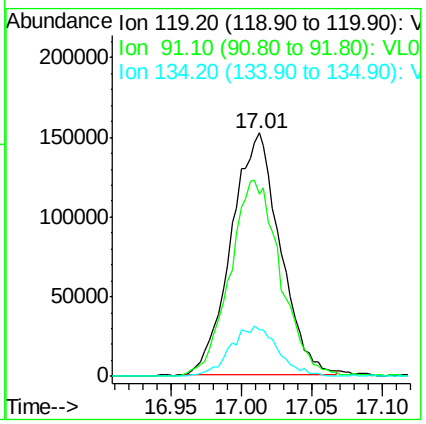


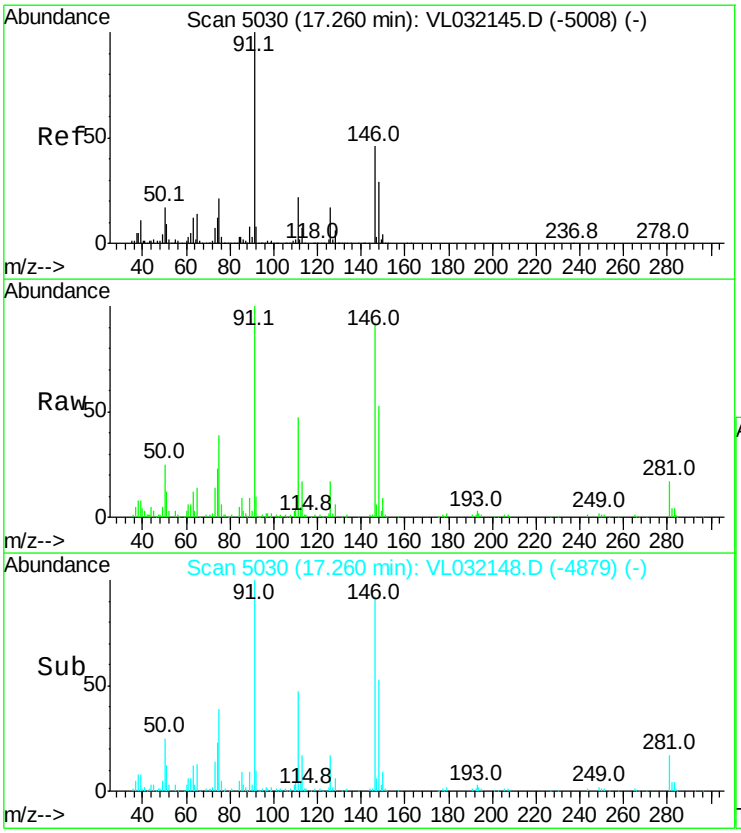
#65
tert-Butylbenzene
Concen: 0.601 ppbv
RT: 17.01 min Scan# 4953
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:119 Resp: 368324

Ion	Ratio	Lower	Upper
119	100		
91	84.7	62.2	93.2
134	20.1	16.2	24.2

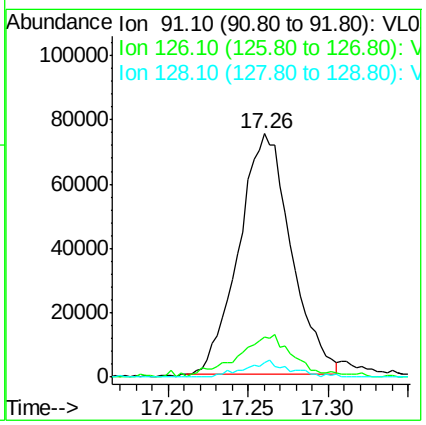


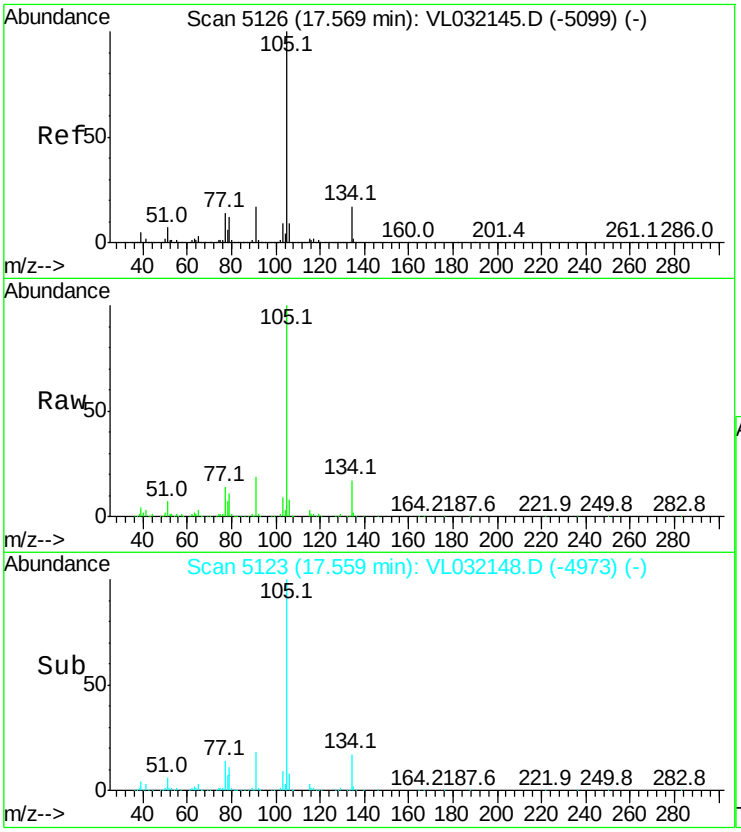


#66
Benzyl Chloride
Concen: 2.149 ppbv
RT: 17.26 min Scan# 5030
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 91 Resp: 168114

Ion	Ratio	Lower	Upper
91	100		
126	20.0	15.7	23.5
128	6.1	5.2	7.8



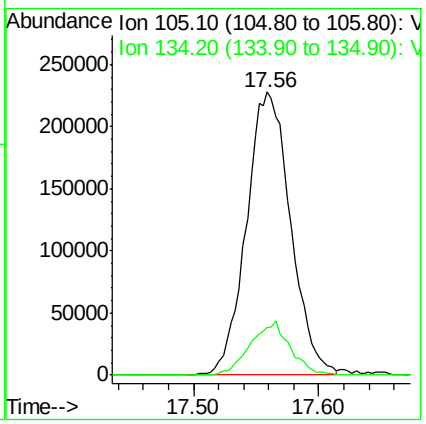


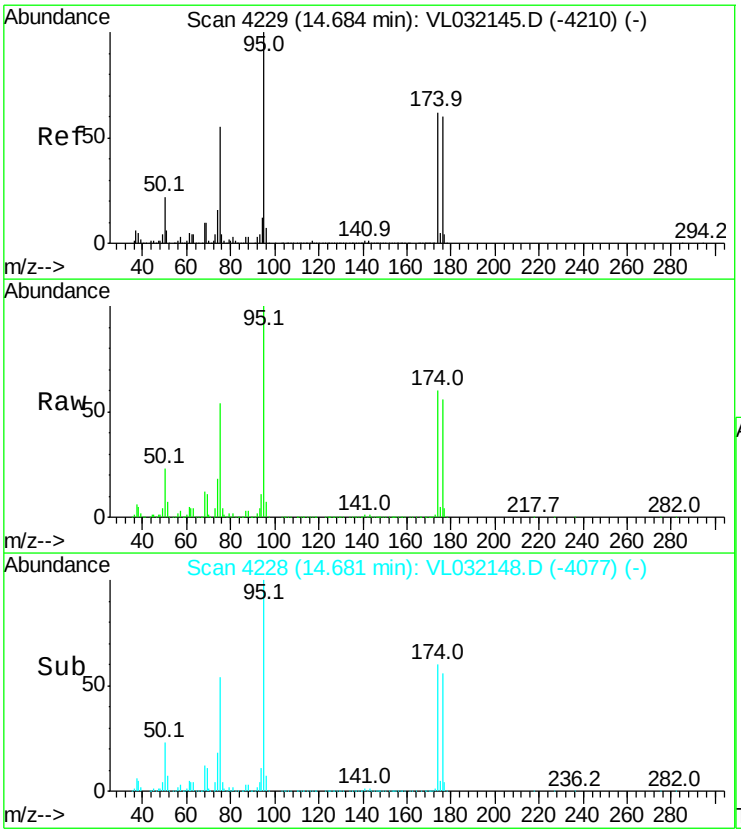
#67
sec-Butylbenzene
Concen: 0.624 ppbv
RT: 17.56 min Scan# 5123
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 557782

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.7	22.1

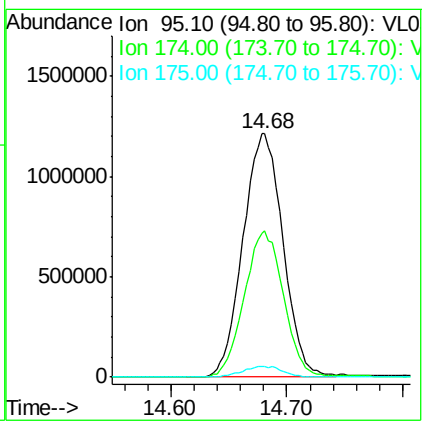


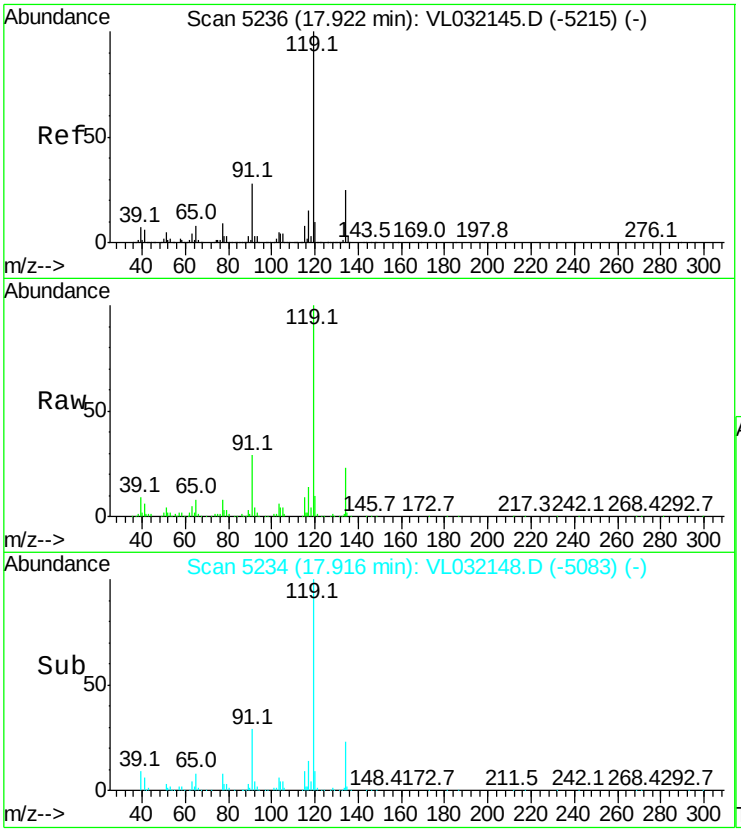


#68
1-Bromo-4-Fluorobenzene
Concen: 10.246 ppbv
RT: 14.68 min Scan# 4228
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 95 Resp: 2909484

Ion	Ratio	Lower	Upper
95	100		
174	59.9	52.1	78.1
175	4.4	4.0	6.0



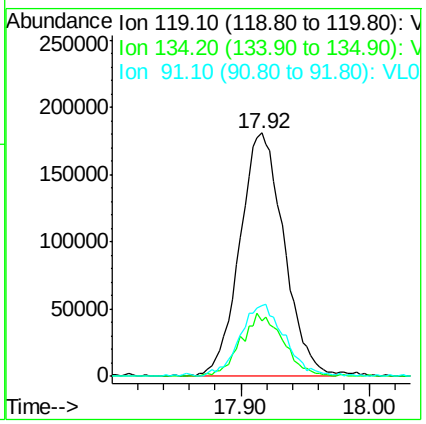


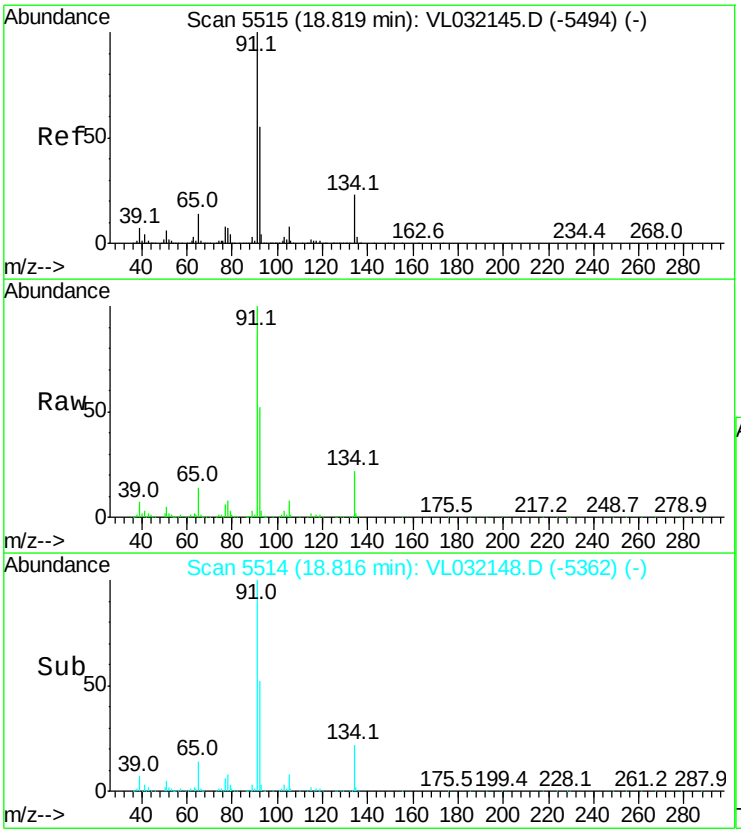
#69
p-Isopropyltoluene
Concen: 0.587 ppbv
RT: 17.92 min Scan# 5234
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 430213

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.7	31.1
91	30.8	21.8	32.8

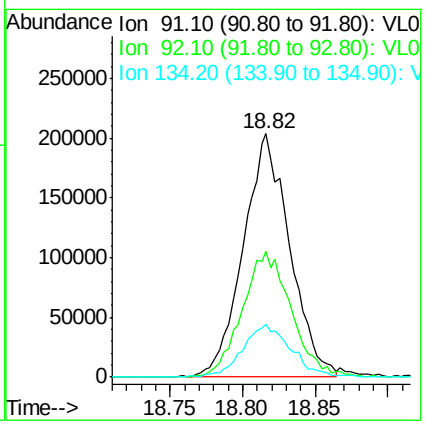


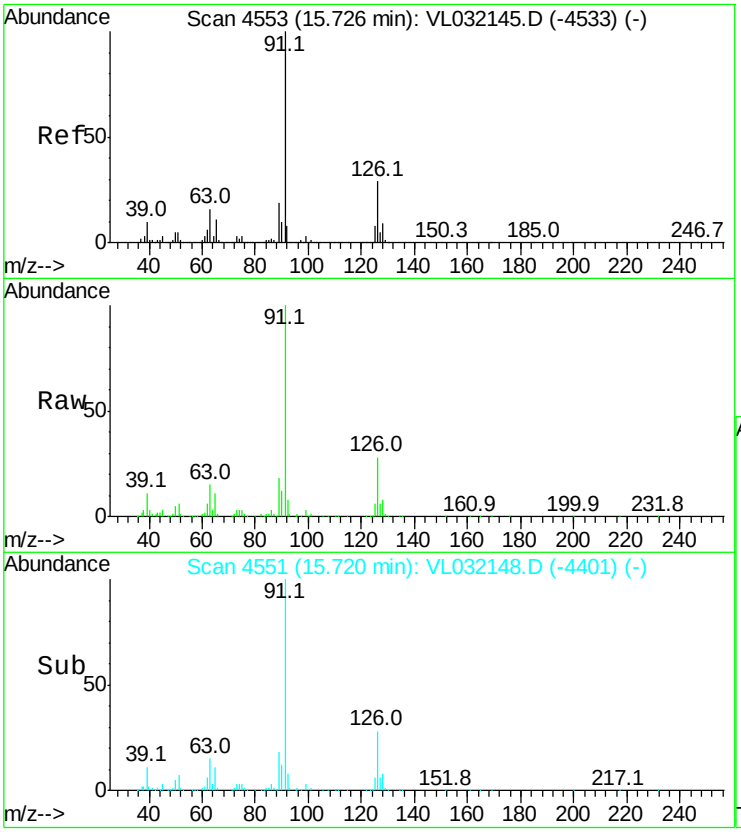


#70
n-Butylbenzene
Concen: 0.585 ppbv
RT: 18.82 min Scan# 5514
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion: 91 Resp: 451152

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.7	65.5
134	22.7	18.9	28.3



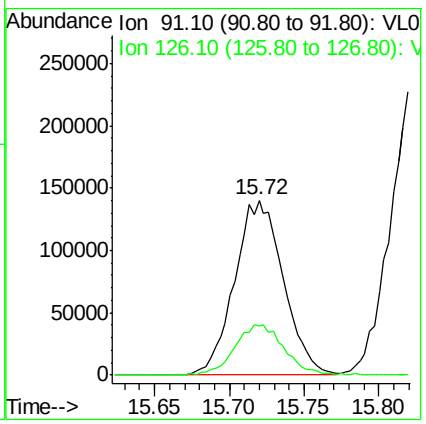


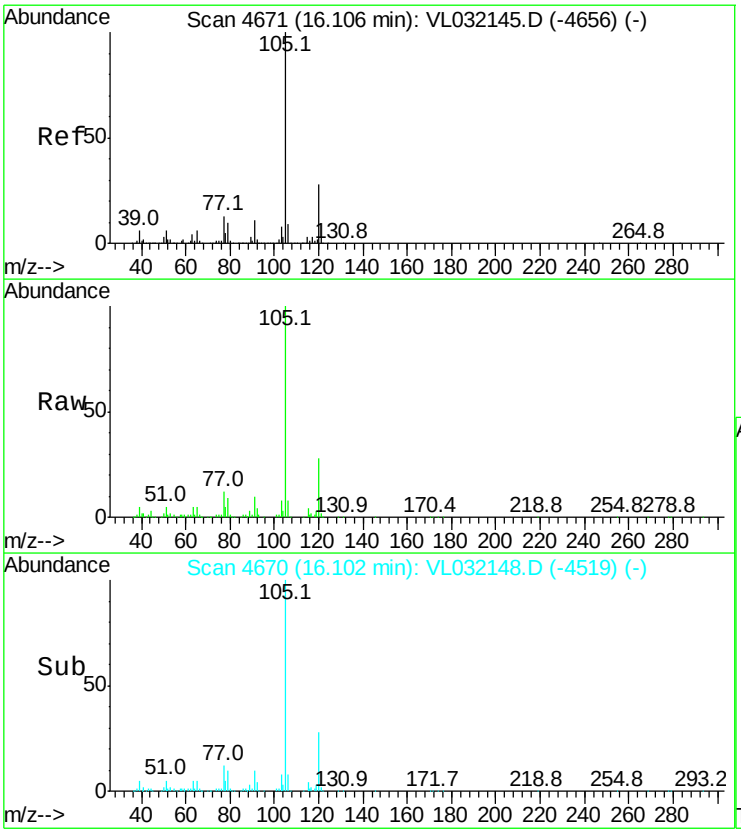
#71
2-Chlorotoluene
Concen: 0.587 ppbv
RT: 15.72 min Scan# 4551
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 313331

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.8	51.0

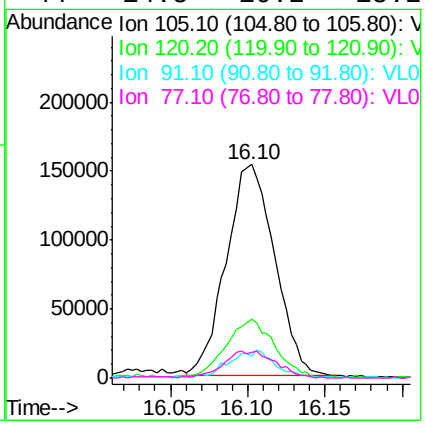


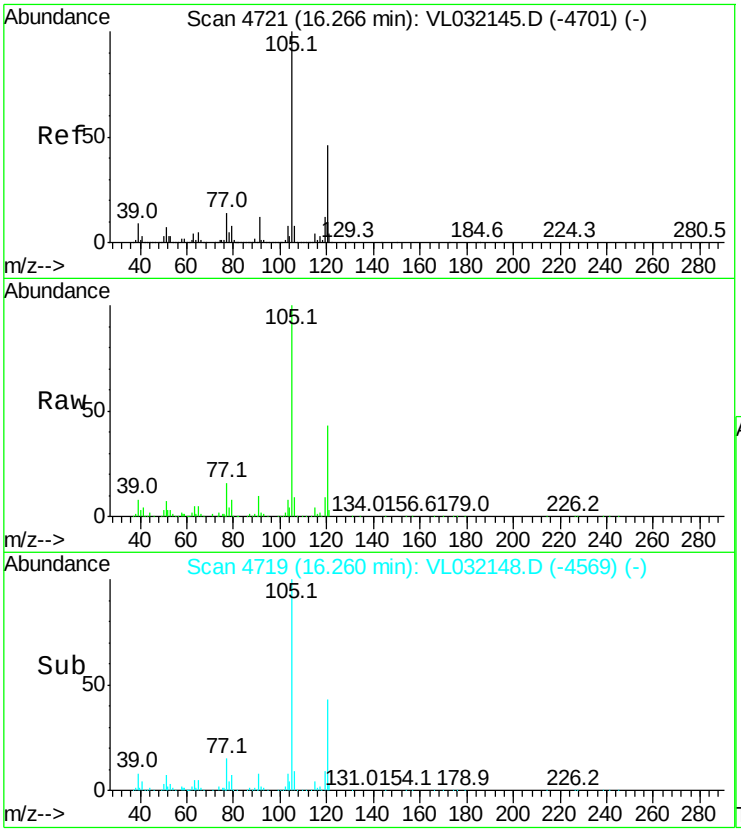


#72
4-Ethyltoluene
Concen: 0.566 ppbv
RT: 16.10 min Scan# 4670
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:105 Resp: 333927

Ion	Ratio	Lower	Upper
105	100		
120	27.4	24.3	36.5
91	12.5	9.4	14.0
77	14.5	10.2	15.2



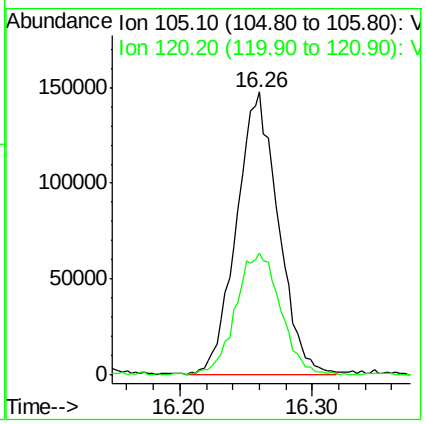


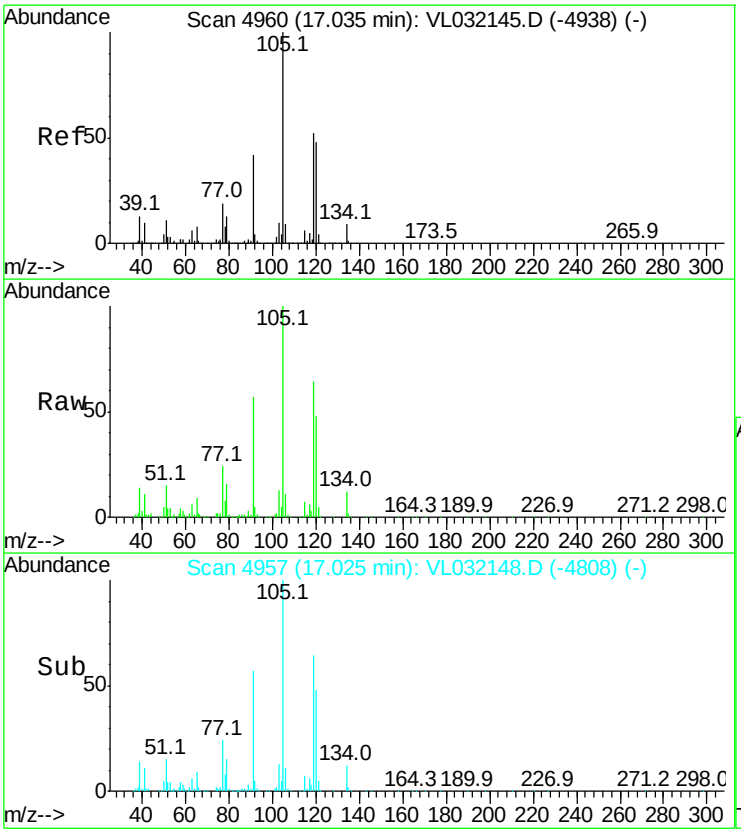
#73
1,3,5-Trimethylbenzene
Concen: 0.610 ppbv
RT: 16.26 min Scan# 4719
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 322039

Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.6	57.8

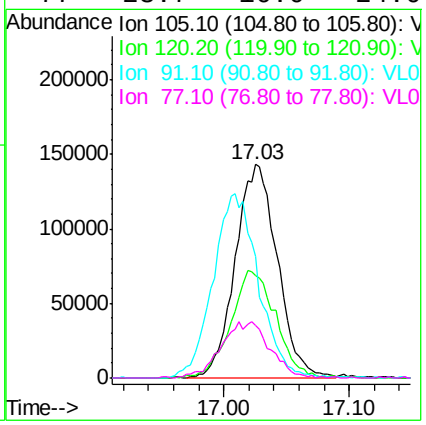


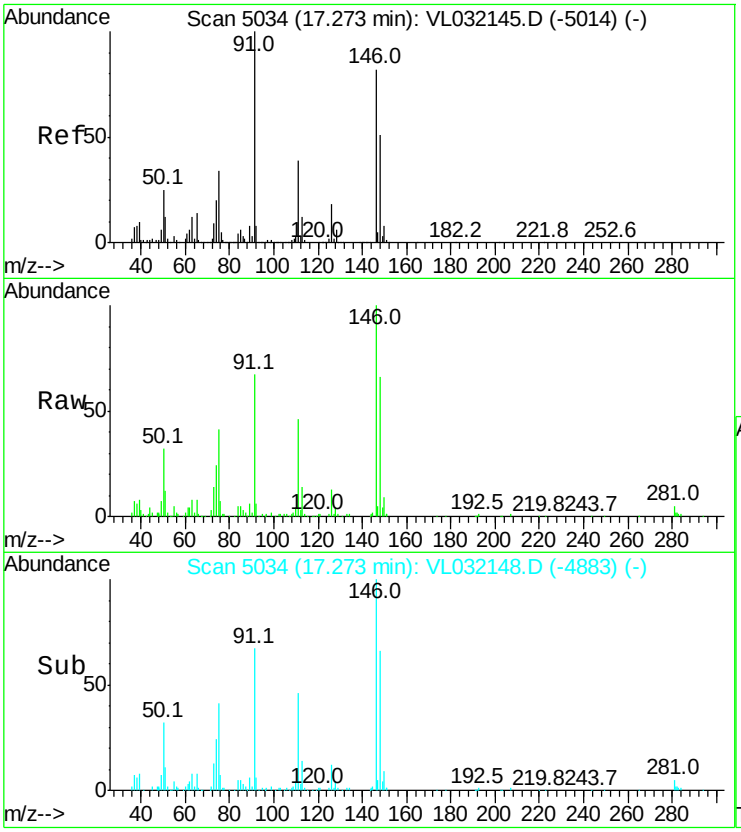


#74
1,2,4-Trimethylbenzene
Concen: 0.595 ppbv
RT: 17.03 min Scan# 4957
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:105 Resp: 333887

Ion	Ratio	Lower	Upper
105	100		
120	47.5	38.8	58.2
91	56.4	33.6	50.4#
77	23.7	16.0	24.0



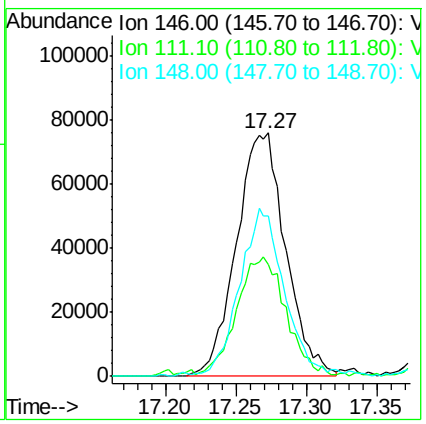


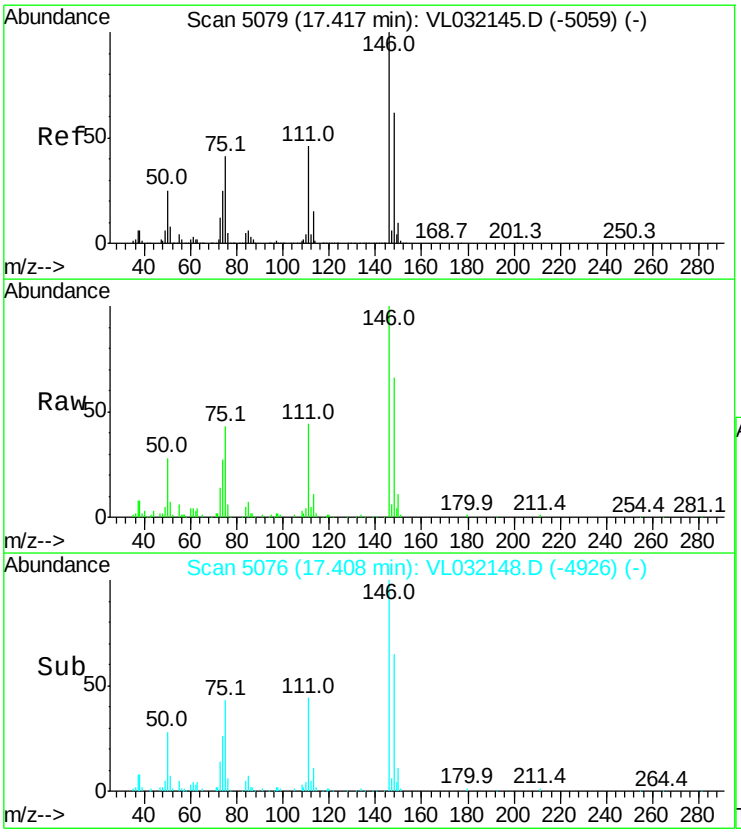
#75
1,3-Dichlorobenzene
Concen: 0.539 ppbv
RT: 17.27 min Scan# 5034
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 185019

Ion	Ratio	Lower	Upper
146	100		
111	50.8	22.9	68.8
148	63.9	31.7	95.1

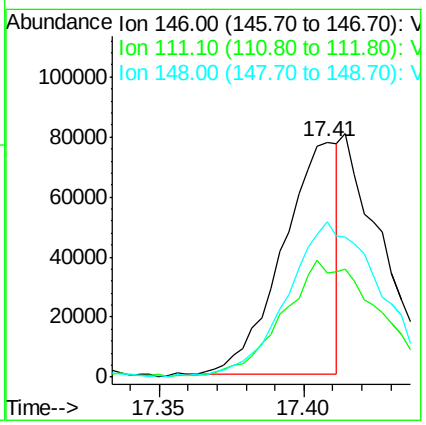


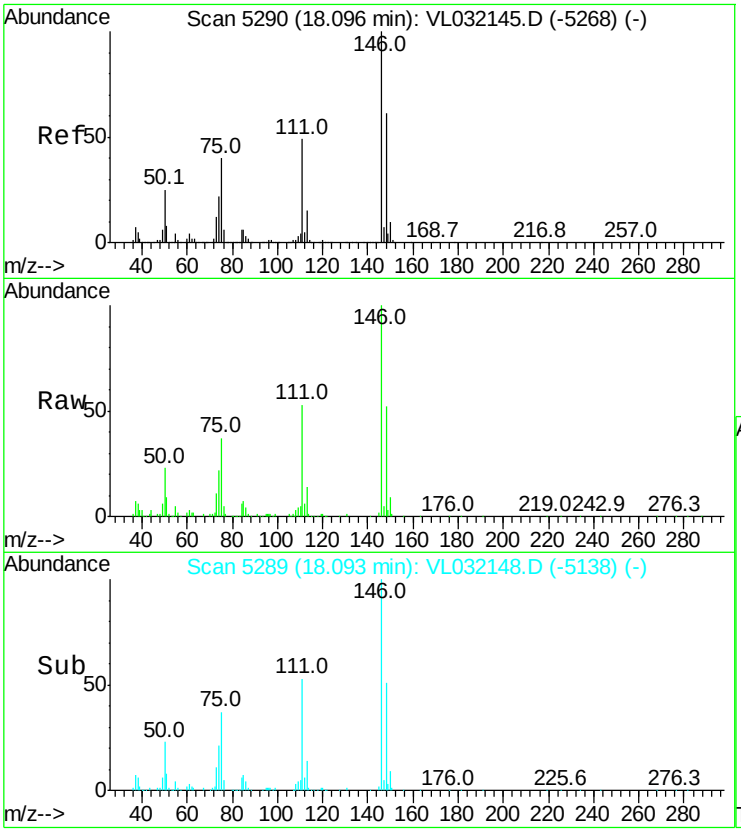


#76
1,4-Dichlorobenzene
Concen: 0.294 ppbv
RT: 17.41 min Scan# 5076
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:146 Resp: 102776

Ion	Ratio	Lower	Upper
146	100		
111	90.4	21.9	65.8#
148	117.9	32.1	96.5#



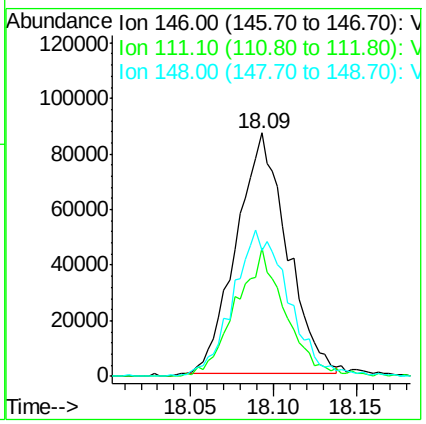


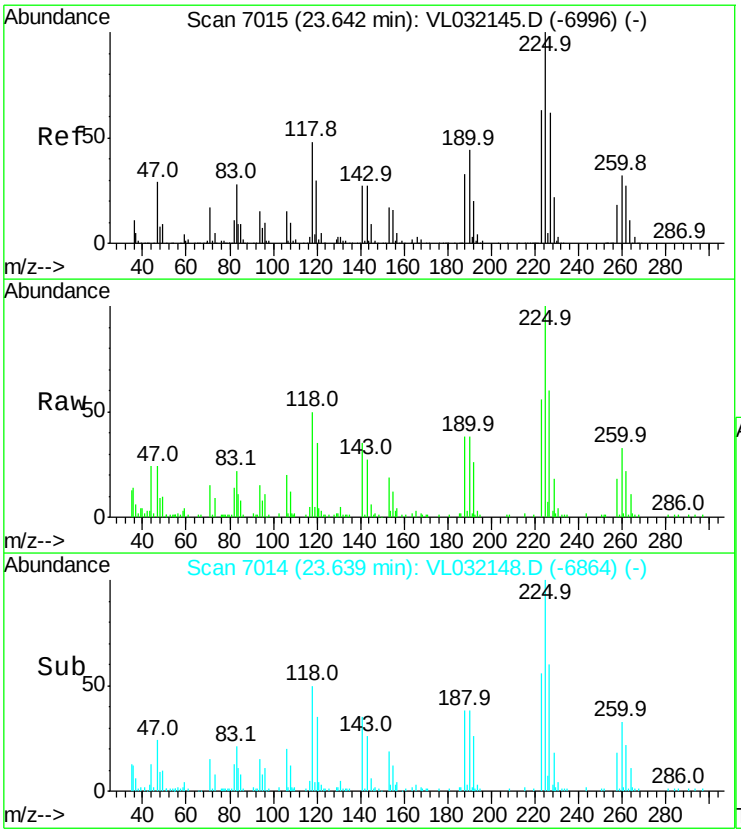
#77
1,2-Dichlorobenzene
Concen: 0.517 ppbv
RT: 18.09 min Scan# 5289
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 184847

Ion	Ratio	Lower	Upper
146	100		
111	51.8	23.4	70.3
148	66.5	32.0	96.0

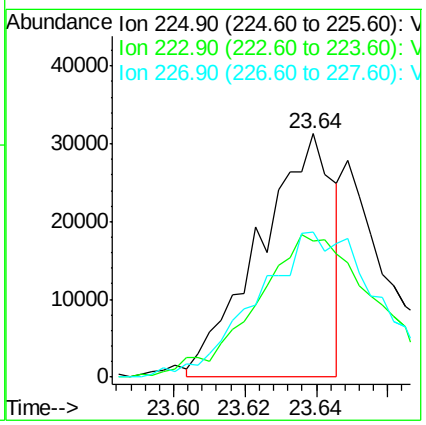


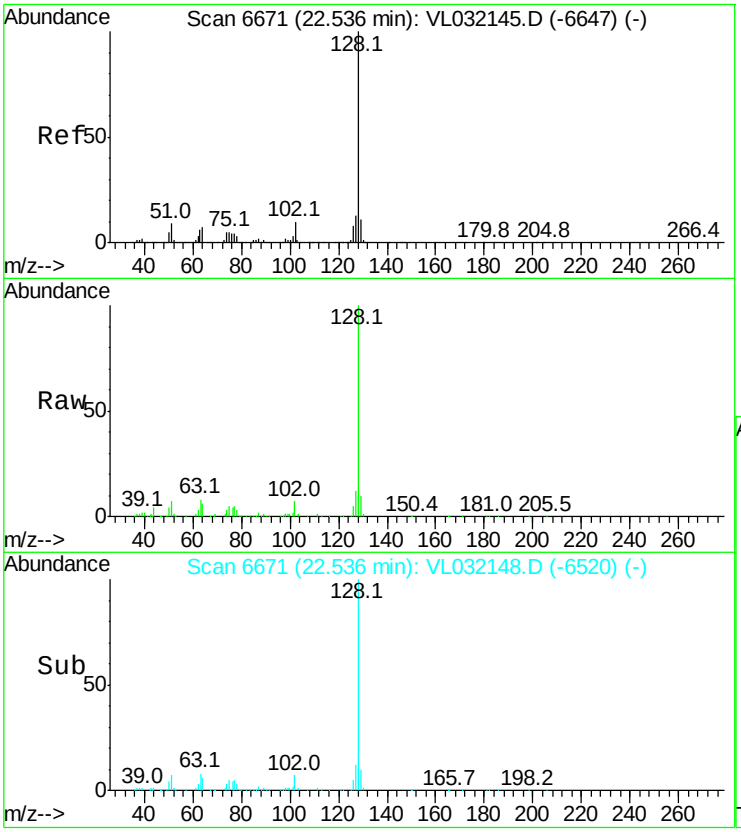


#78
Hexachloro-1,3-Butadiene
Concen: 0.461 ppbv
RT: 23.64 min Scan# 7014
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:225 Resp: 44765

Ion	Ratio	Lower	Upper
225	100		
223	94.0	51.0	76.4#
227	97.2	51.4	77.0#



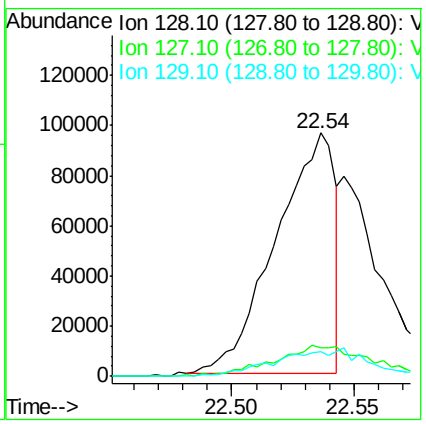


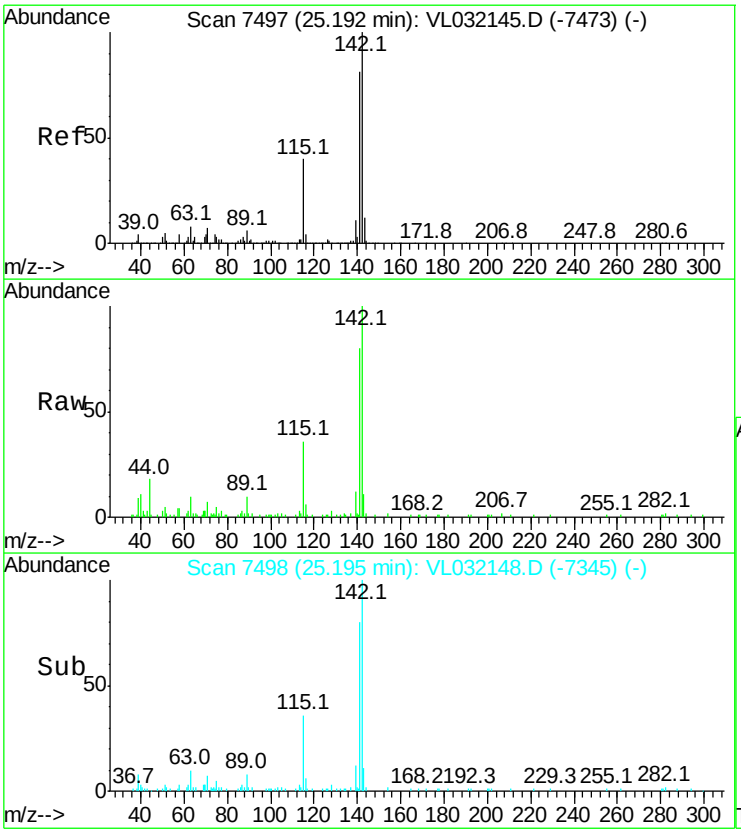
#79
Naphthalene
Concen: 0.273 ppbv
RT: 22.54 min Scan# 6671
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 159924

Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.5	15.7
129	9.8	9.0	13.6

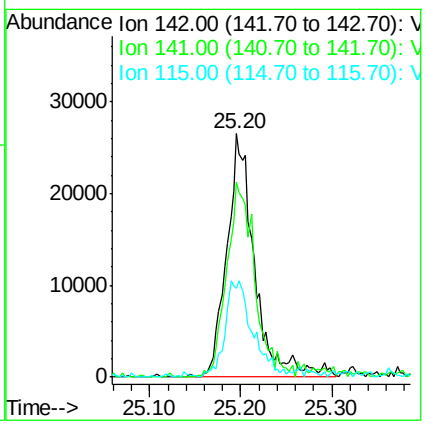


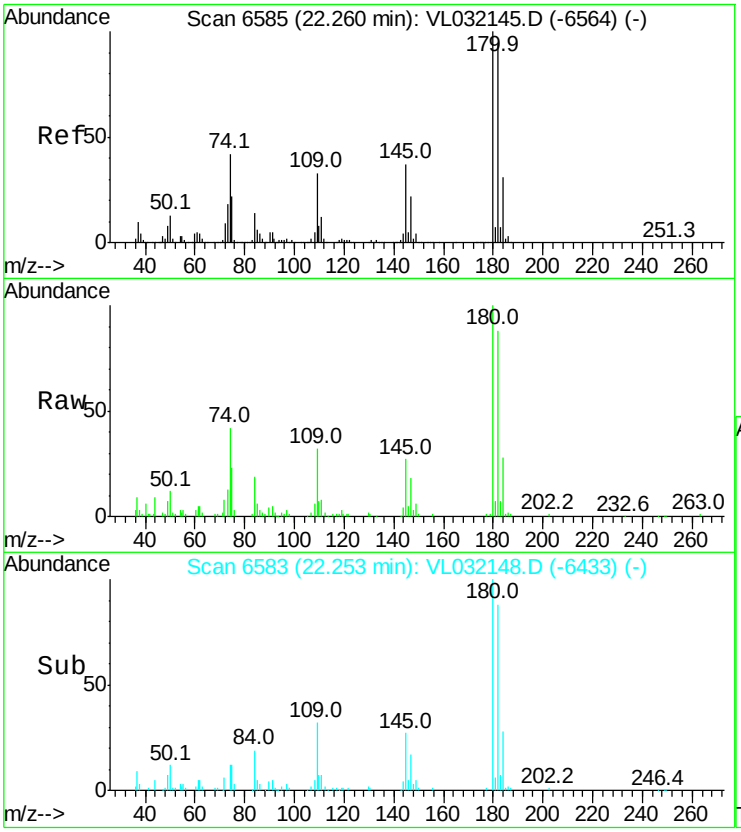


#80
Naphthalene,2-methyl-
Concen: 0.160 ppbv
RT: 25.20 min Scan# 7498
Delta R.T. -0.01 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Tgt Ion:142 Resp: 56289

Ion	Ratio	Lower	Upper
142	100		
141	82.4	65.8	98.6
115	40.3	29.4	44.0





#81
1,2,4-Trichlorobenzene
Concen: 0.281 ppbv
RT: 22.25 min Scan# 6583
Delta R.T. -0.02 min
Lab File: VL032148.D
Acq: 29 Jun 2018 19:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 64521

Ion	Ratio	Lower	Upper
180	100		
182	173.2	76.2	114.4#
184	54.9	24.4	36.6#