Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100318\

Quantitation Report (Not Reviewed)

Data File : VL032597.D
Acq On : 4 Oct 2018 12:01
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 04 12:22:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1266885	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2956070	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	4028497	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2287366	7.53	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 75.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	948205	8.092	ppbv	100
3) Chlorodifluoromethane	3.03	51	1379182	13.091	ppbv	95
4) Chloromethane	3.18	50	571160	9.297	ppbv	97
5) Vinyl Chloride	3.31	62	568281	9.155	ppbv	98
6) Bromomethane	3.53	94	352438	10.382	ppbv	99
7) Chloroethane	3.62	64	213295	9.644	ppbv	97
8) Dichlorotetrafluoroethane	3.24	85	1332828	10.410	ppbv	97
9) Propene	3.05	41	410403	8.978	ppbv	98
10) Heptane	8.27	43	1740613	10.382	ppbv	97
11) Trichlorofluoromethane	4.02	101	1526628	10.959	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1081276	9.496	ppbv	99
13) Ethanol	3.66	45	135037	9.828	ppbv	96
14) Bromoethene	3.80	108	445005	11.014	ppbv	99
15) Acetone	3.92	43	1311154	11.791	ppbv	99
16) 1,3-Butadiene	3.38	39	432394	9.588	ppbv	96
17) tert-Butyl alcohol	4.37	59	124705	8.924	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	473824	8.885	ppbv	99
19) Isopropyl Alcohol	4.04	45	842326	10.875	ppbv	99
20) Methylene Chloride	4.43	84	423173	7.858	ppbv	98
21) Allyl Chloride	4.50	41	823954	9.066	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	505897	10.066	ppbv	95
23) Vinyl Acetate	5.17	43	1994449	10.150	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1624076	9.925	ppbv	100
25) Ethyl Acetate	5.79	43	2717014	10.069	ppbv	99
26) Hexane	5.80	57	1282943	10.526	ppbv	99
27) Carbon Disulfide	4.64	76	1383758	10.561	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	1705205	11.231	ppbv	97
29) Chloroform	5.88	83	2033280	10.872	ppbv	99
30) Cyclohexane	7.27	84	1102598	11.110	ppbv	95
31) cis-1,2-Dichloroethene	5.66	61	1225933	10.561	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	2058536	10.329	ppbv	98
34) 2-Butanone	5.35	43	1507401	8.563	ppbv	98
35) Carbon Tetrachloride	7.16	117	2138349	10.410	ppbv	99
36) Benzene	7.03	78	2597808	10.874	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1619140	11.246	ppbv	98
38) Trichloroethene	7.99	130	1038367	11.356	ppbv	99
39) 1,2-Dichloropropane	7.76	63	1041047	9.670	ppbv	97
40) 1,4-Dioxane	7.98	88	378297	11.460	ppbv	77
41) Tetrahydrofuran	6.17	42	868928	9.086	ppbv	94
42) Bromodichloromethane	7.95	83	2408958	11.168	ppbv	100
43) Methyl Methacrylate	8.16	69	1123722	11.260	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100318\

Quantitation Report (Not Reviewed)

Data File : VL032597.D
Acq On : 4 Oct 2018 12:01
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 04 12:22:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	4908554	10.513	ppbv		99
45) t-1,3-Dichloropropene	9.44	75	1377266	11.094	ppbv		98
46) cis-1,3-Dichloropropene	8.87	75	1708968	11.737	ppbv		99
47) 1,1,2-Trichloroethane	9.65	97	1102997	9.225	ppbv		99
48) Dibromochloromethane	10.48	129	2098203	11.160	ppbv		99
49) Bromoform	13.24	173	1634070	11.374	ppbv		99
50) 4-Methyl-2-Pentanone	8.90	43	2775430	10.030	ppbv		99
51) 2-Hexanone	10.30	43	2381211	10.405	ppbv	#	100
52) Tetrachloroethene	11.41	164	933265	11.220	ppbv		98
53) Toluene	9.98	91	3336826	11.462	ppbv		100
54) 1,2-Dibromoethane	10.79	107	1857572	10.922	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1518034	8.383	ppbv	#	59
57) Chlorobenzene	12.34	112	2542825	7.836	ppbv		98
58) Ethyl Benzene	12.90	91	4210590	8.617	ppbv		97
59) m/p-Xylene	13.18	91	3162851	7.275	ppbv	#	31
60) o-Xylene	13.88	91	3488536	8.241	ppbv		100
61) Styrene	13.71	104	2470893	8.923	ppbv		99
62) Isopropylbenzene	14.86	105	4870597	8.136	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2637543	7.014	ppbv		99
64) n-propylbenzene	15.75	120	1252819	8.146	ppbv		94
65) tert-Butylbenzene	16.94	119	4140240	8.069	ppbv		98
66) Benzyl Chloride	17.19	91	2520657	8.524	ppbv		100
67) sec-Butylbenzene	17.49	105	6130373	8.036	ppbv		99
69) p-Isopropyltoluene	17.85	119	4870090	8.265	ppbv		99
70) n-Butylbenzene	18.75	91	5325695	8.275	ppbv		99
71) 2-Chlorotoluene	15.65	91	3829906	8.400	ppbv		100
72) 4-Ethyltoluene	16.03	105	3975432	8.653	ppbv		99
73) 1,3,5-Trimethylbenzene	16.19	105	3803135	8.517	ppbv		96
74) 1,2,4-Trimethylbenzene	16.96	105	3872847	8.055	ppbv	#	91
75) 1,3-Dichlorobenzene	17.20	146	2155181	7.265	ppbv		100
76) 1,4-Dichlorobenzene	17.34	146	2144534	7.895	ppbv		100
77) 1,2-Dichlorobenzene	18.02	146	2142721	7.680	ppbv		100
78) Hexachloro-1,3-Butadiene	23.57	225	1273746	12.165	ppbv		100
79) Naphthalene	22.45	128	3199375	9.227	ppbv		100
80) Naphthalene,2-methyl-	25.14	142	1010758	12.416	ppbv		99
81) 1,2,4-Trichlorobenzene	22.17	180	1535112	8.638	ppbv		99

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

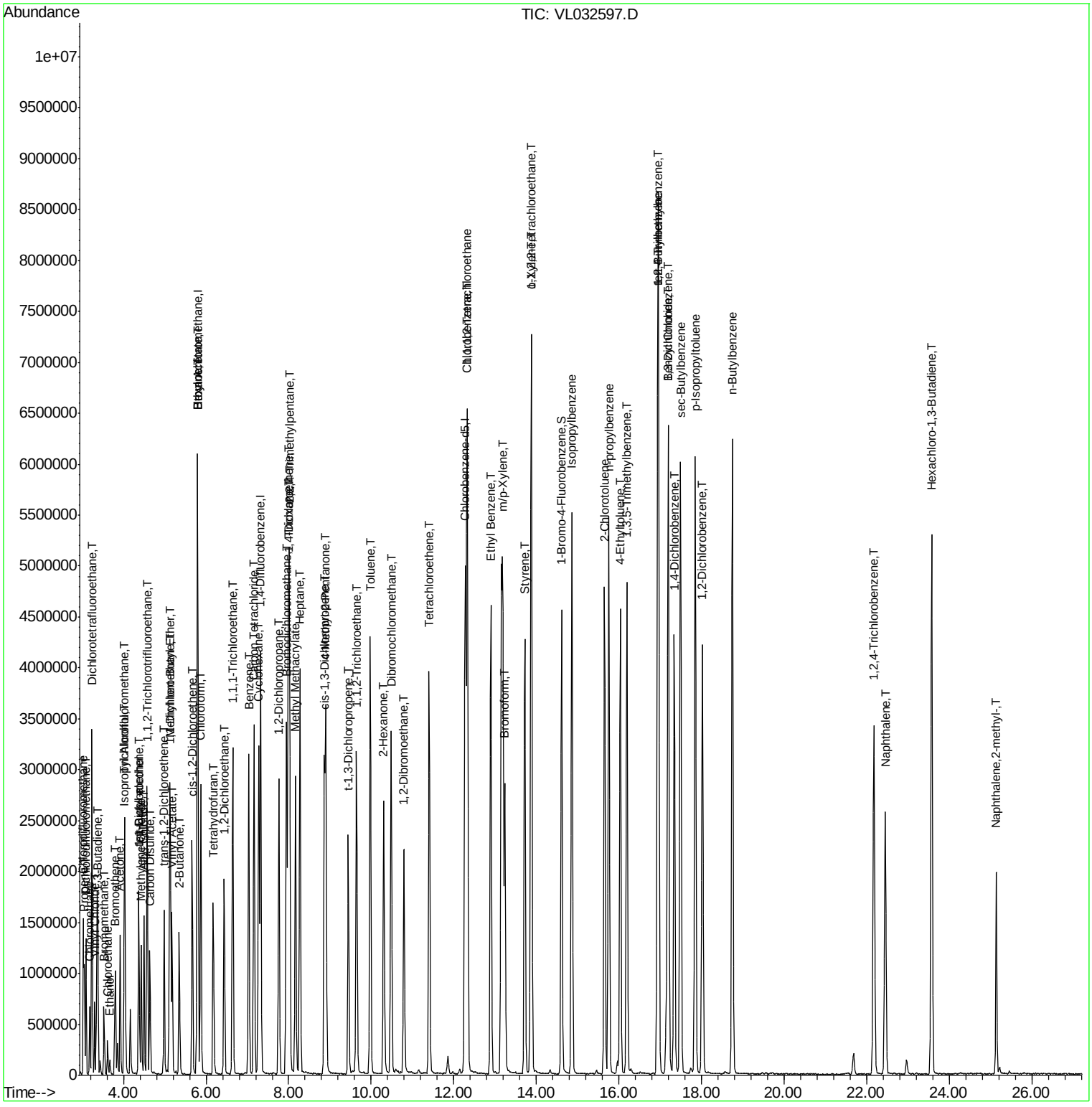
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100318\

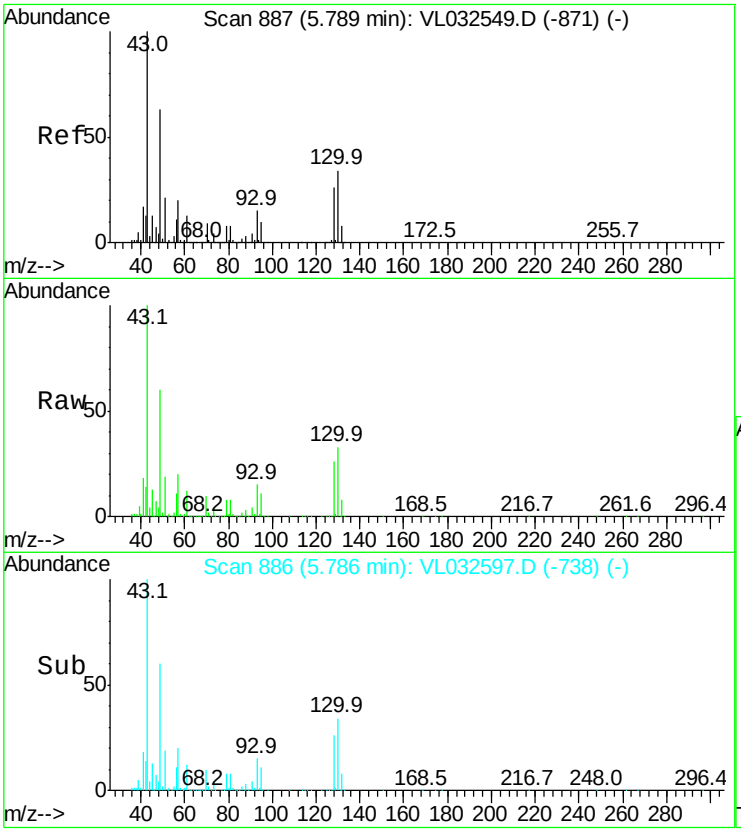
Quantitation Report (Not Reviewed)

Data File : VL032597.D
Acq On : 4 Oct 2018 12:01
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Oct 04 12:22:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration



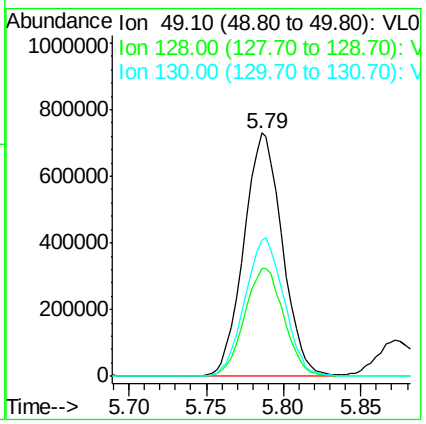


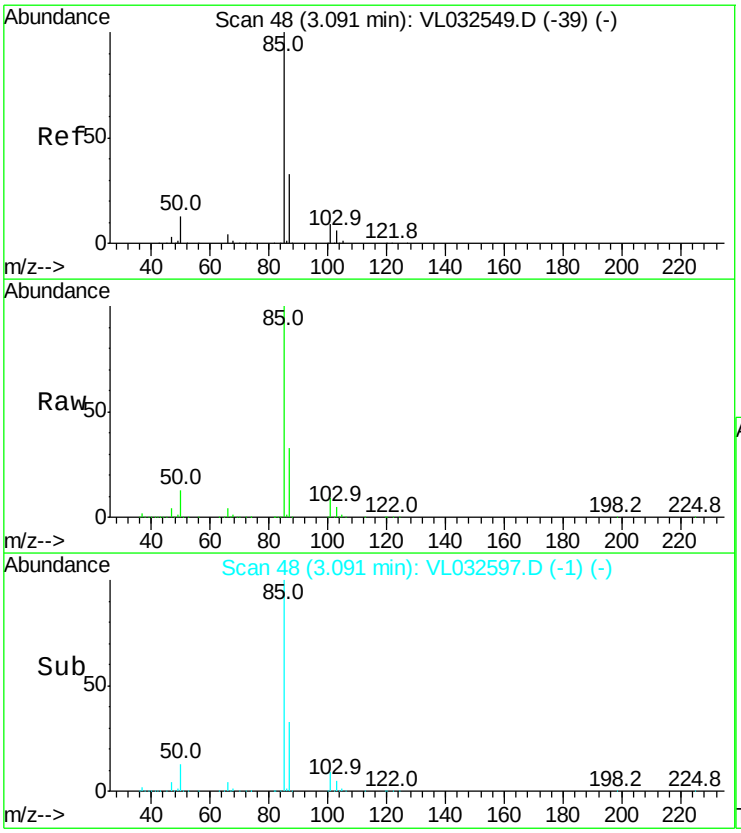
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1266885

Ion	Ratio	Lower	Upper
49	100		
128	45.6	20.7	62.1
130	57.9	26.6	79.7

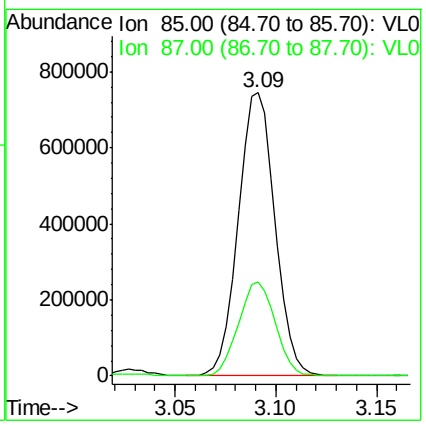


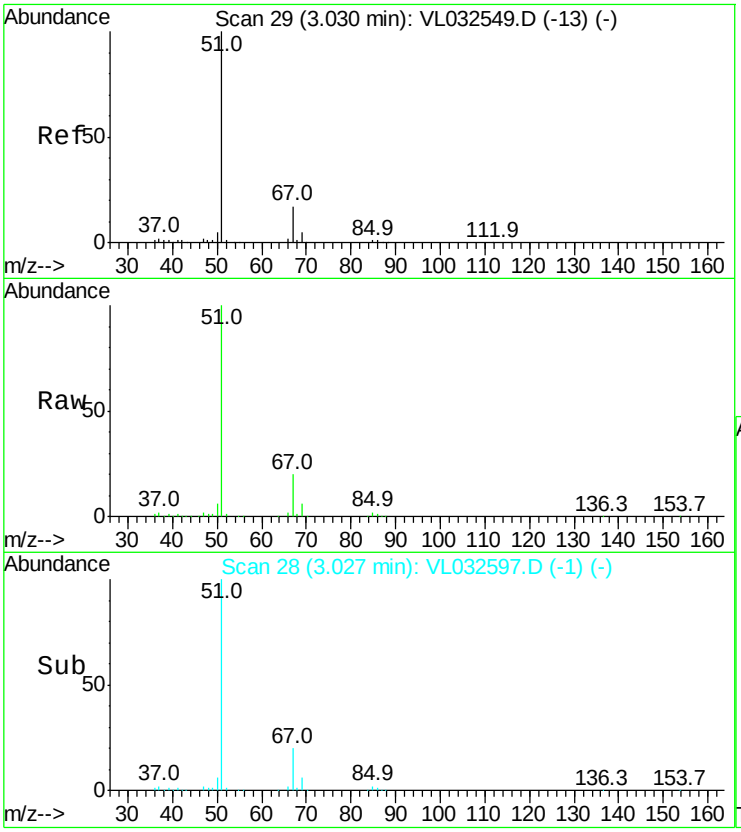


#2
Dichlorodifluoromethane
Concen: 8.092 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 85 Resp: 948205

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.2	39.4



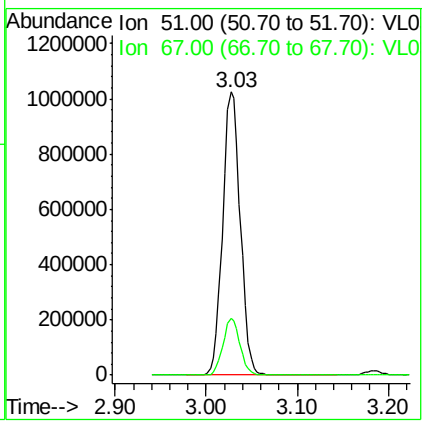


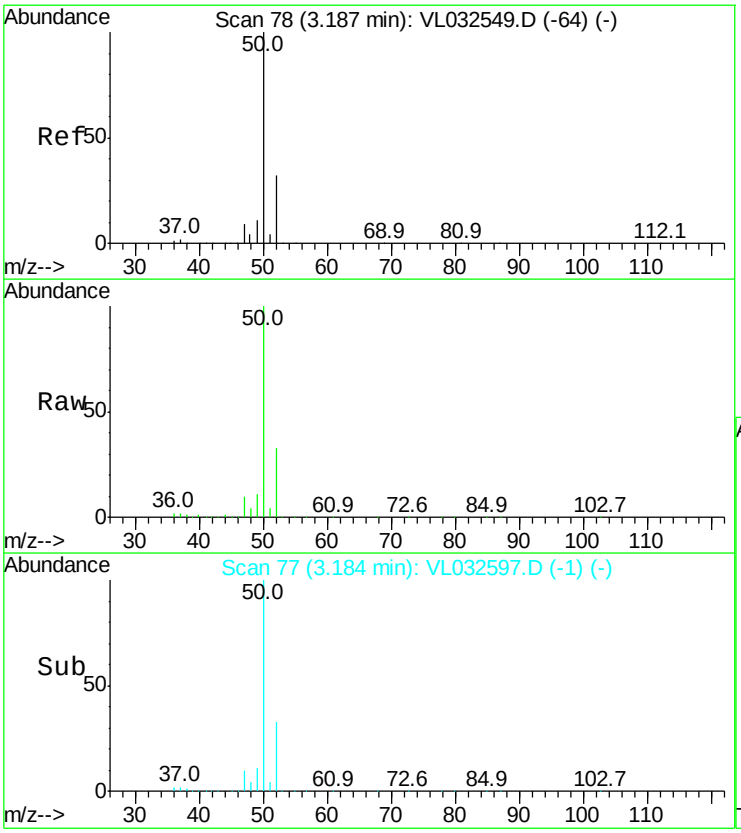
#3
Chlorodifluoromethane
Concen: 13.091 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1379182

Ion	Ratio	Lower	Upper
51	100		
67	19.4	13.8	20.8

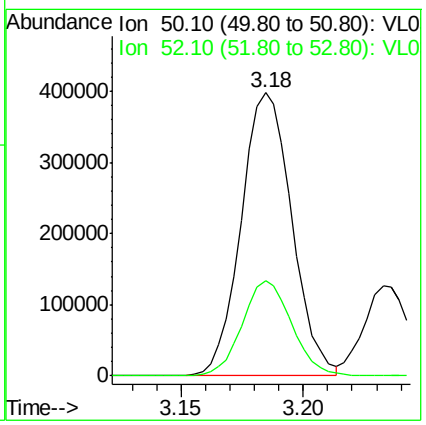


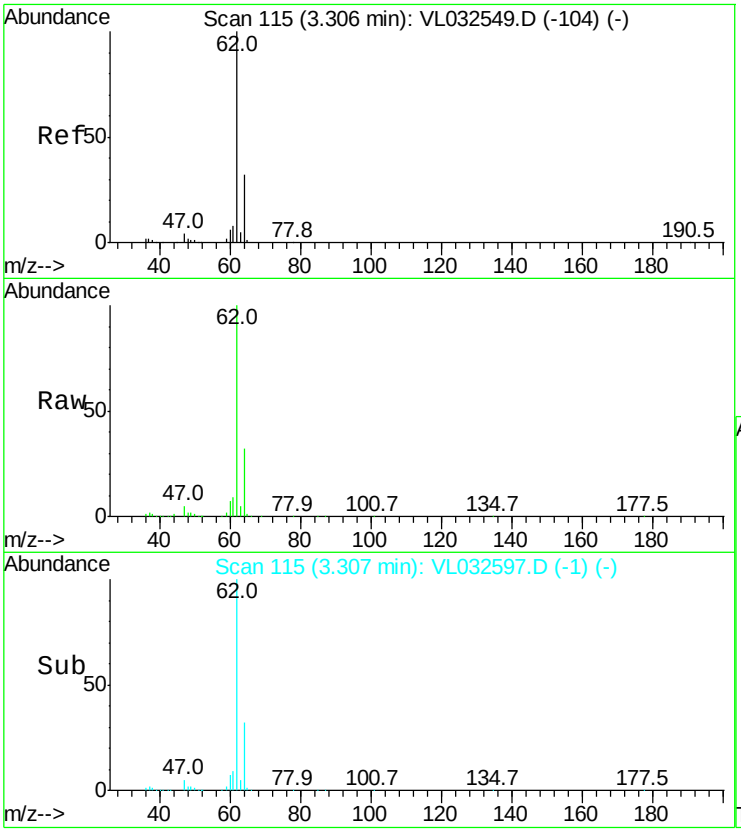


#4
Chloromethane
Concen: 9.297 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 50 Resp: 571160

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.6	38.4



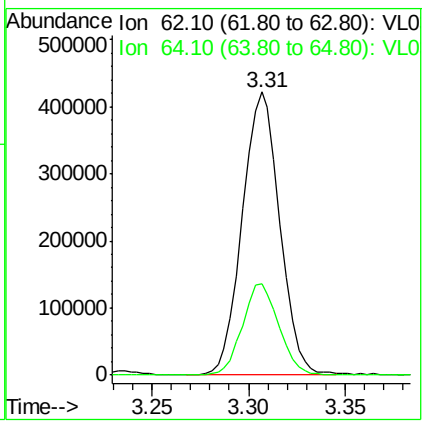


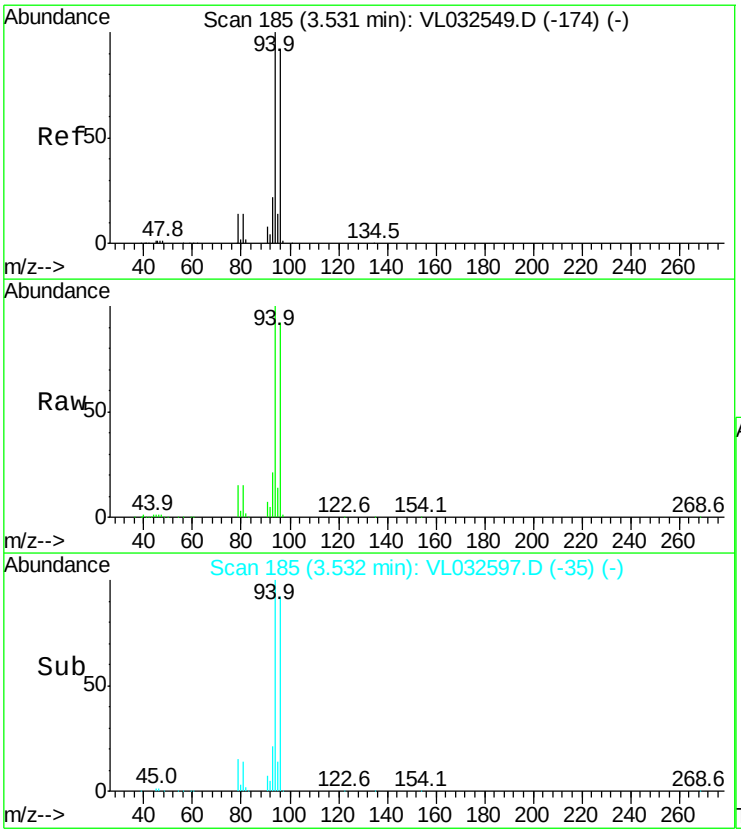
#5
Vinyl Chloride
Concen: 9.155 ppbv
RT: 3.31 min Scan# 115
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 568281

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.0	37.6

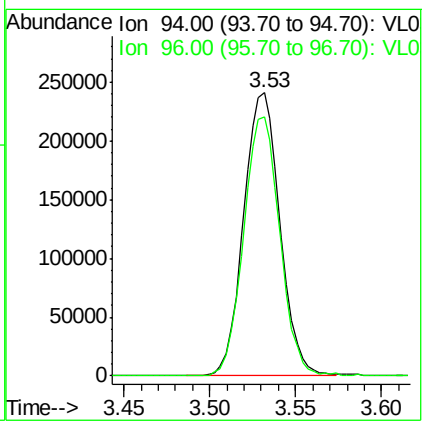


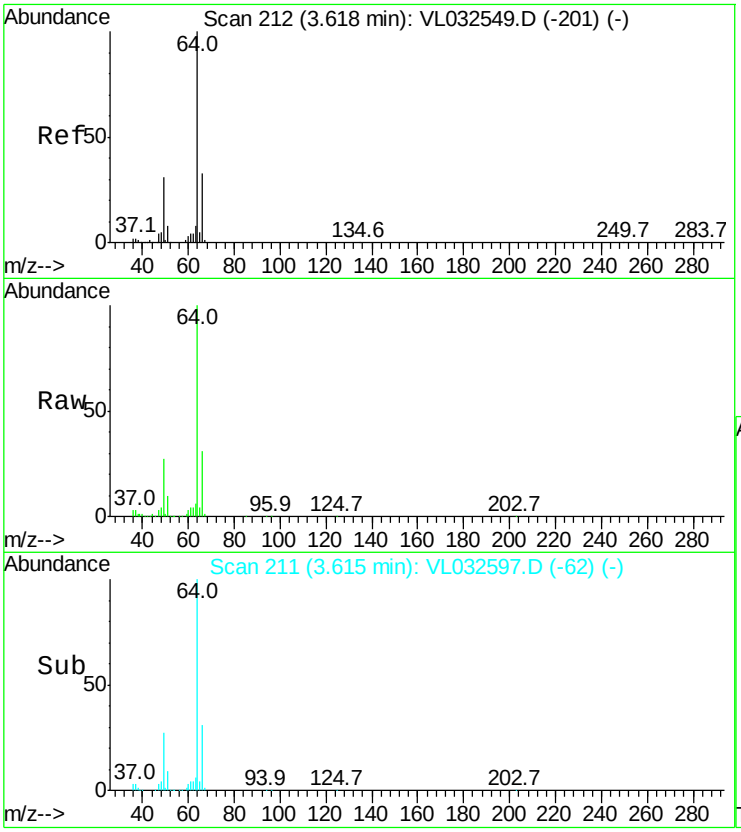


#6
Bromomethane
Concen: 10.382 ppbv
RT: 3.53 min Scan# 185
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 94 Resp: 352438

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.8	109.2



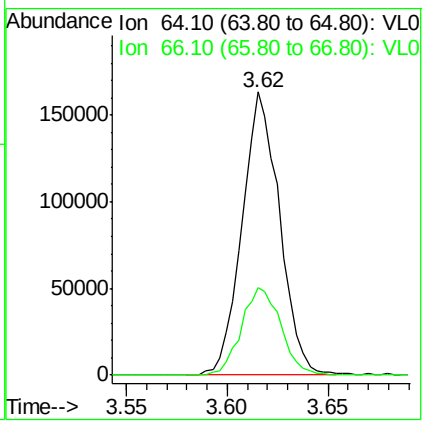


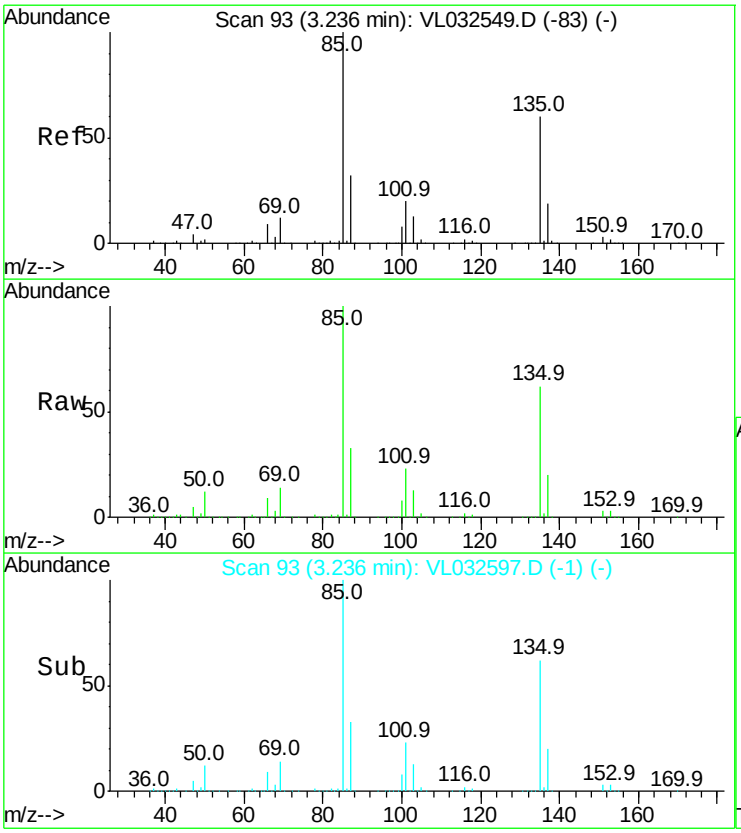
#7
Chloroethane
Concen: 9.644 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 213295

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.8	38.6

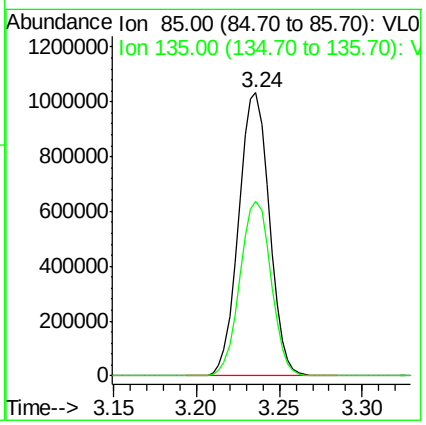


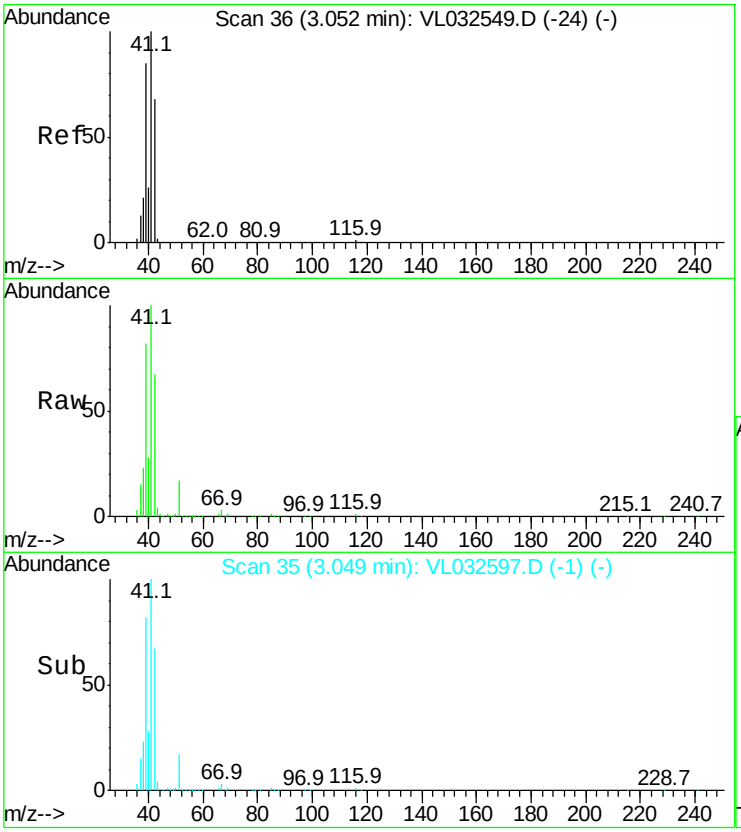


#8
Dichlorotetrafluoroethane
Concen: 10.410 ppbv
RT: 3.24 min Scan# 93
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 85 Resp: 1332828

Ion	Ratio	Lower	Upper
85	100		
135	62.8	48.6	72.8



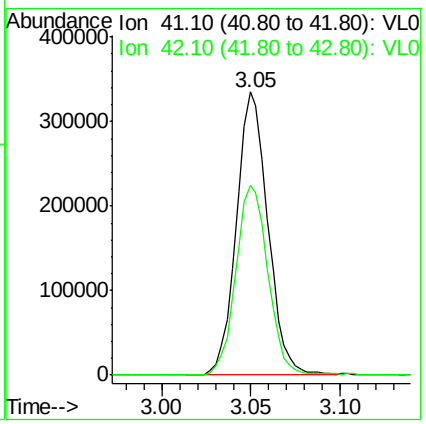


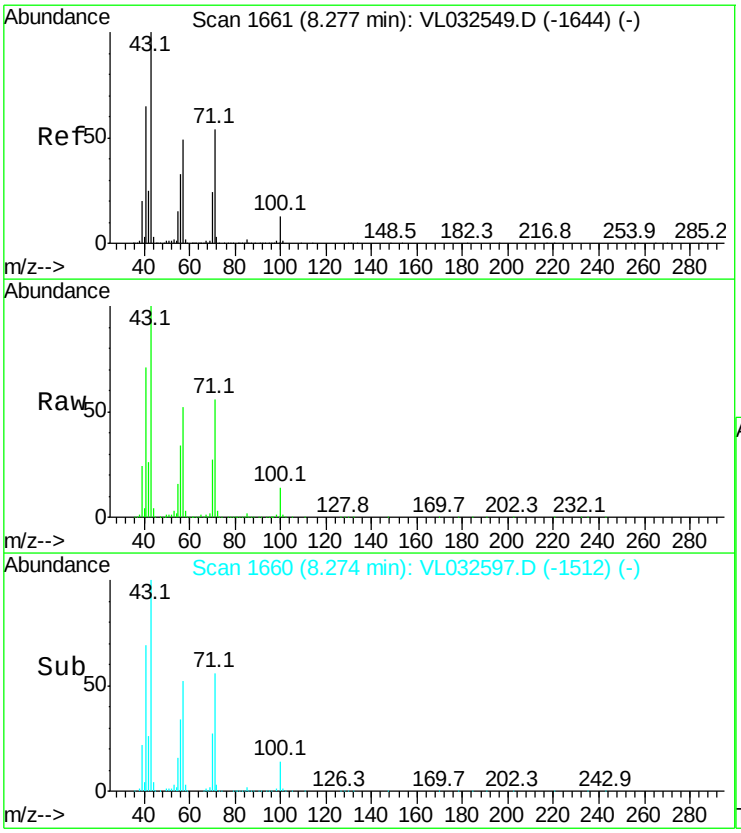
#9
Propene
Concen: 8.978 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 410403

Ion	Ratio	Lower	Upper
41	100		
42	69.0	56.6	84.8

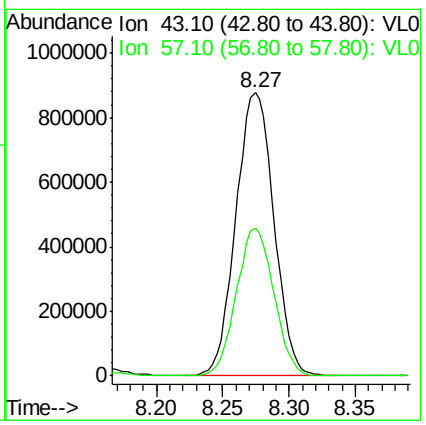


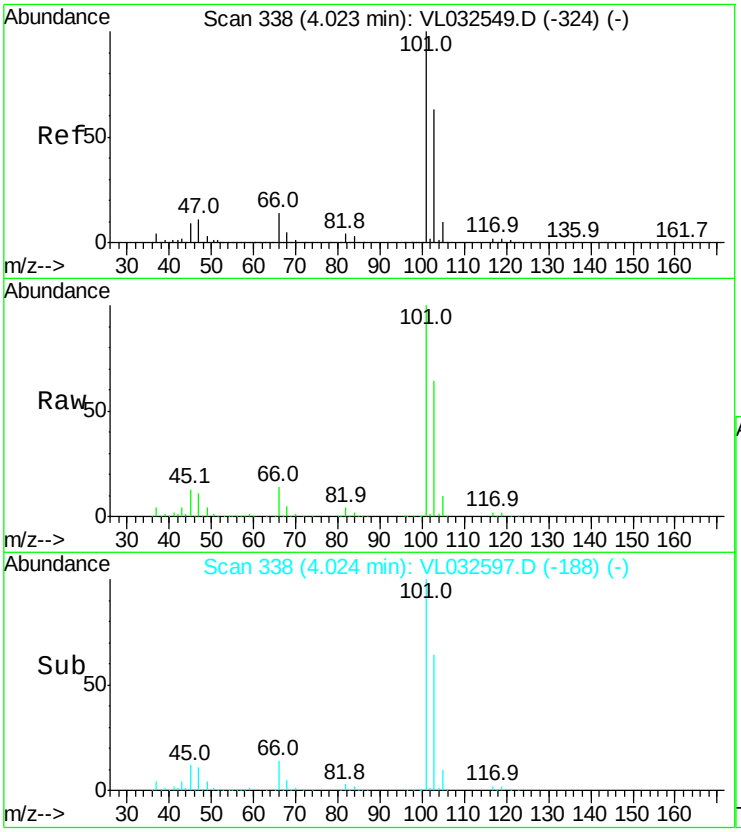


#10
Heptane
Concen: 10.382 ppbv
RT: 8.27 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 43 Resp: 1740613

Ion	Ratio	Lower	Upper
43	100		
57	51.7	39.6	59.4



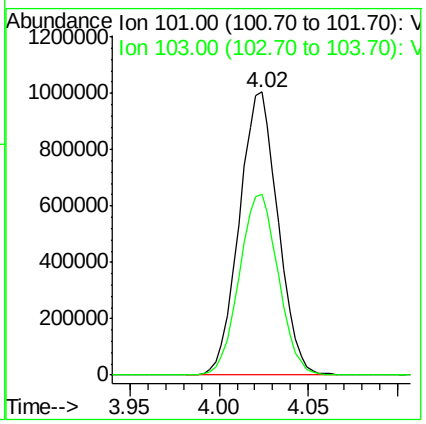


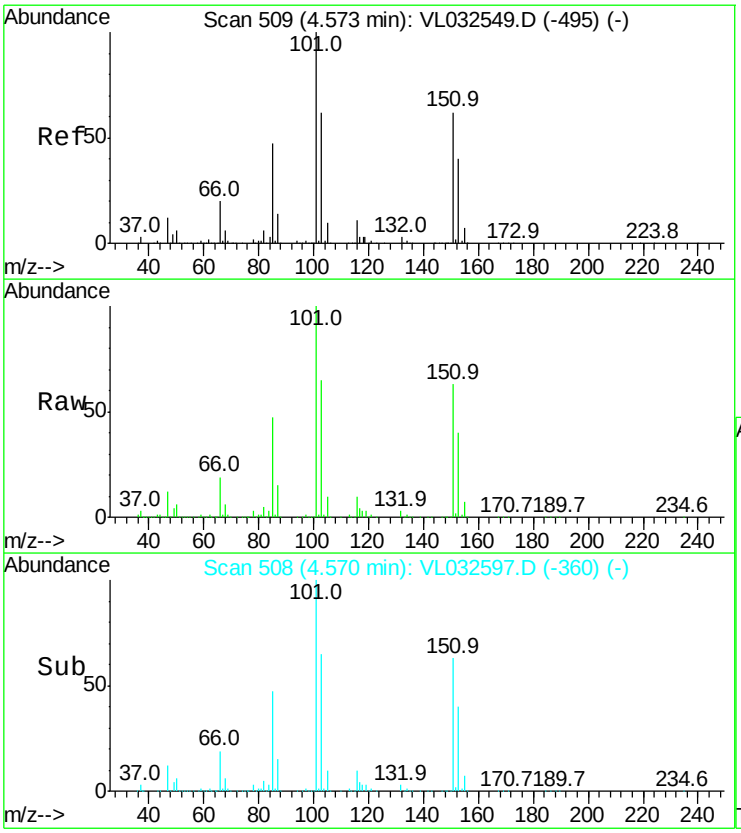
#11
Trichlorofluoromethane
Concen: 10.959 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1526628

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.8	79.2

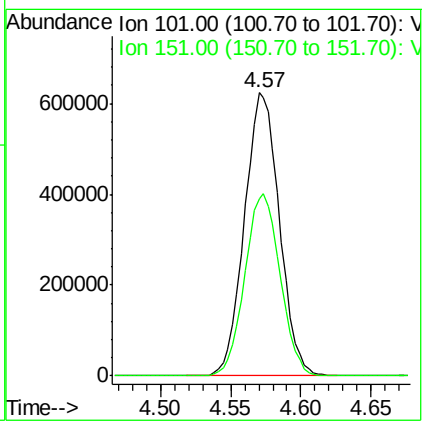


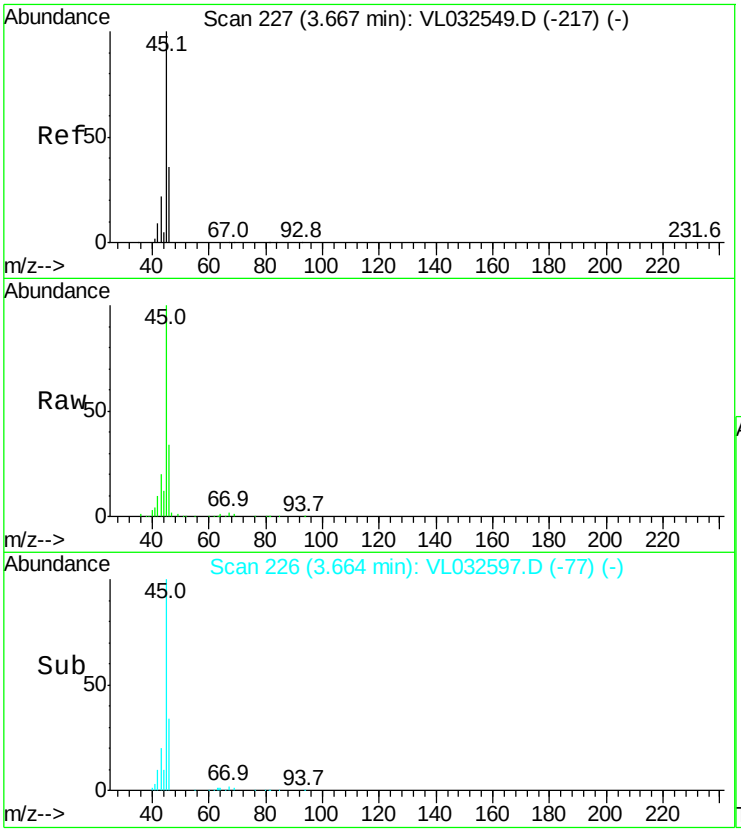


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.496 ppbv
RT: 4.57 min Scan# 508
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:101 Resp: 1081276

Ion	Ratio	Lower	Upper
101	100		
151	65.2	52.6	78.8



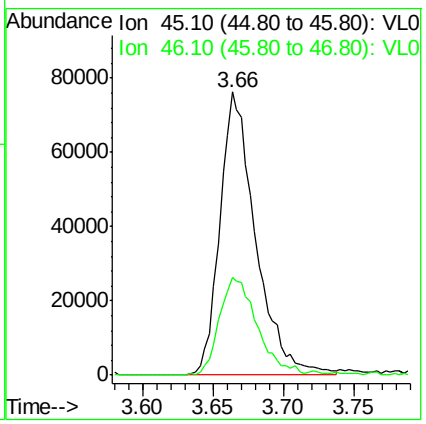


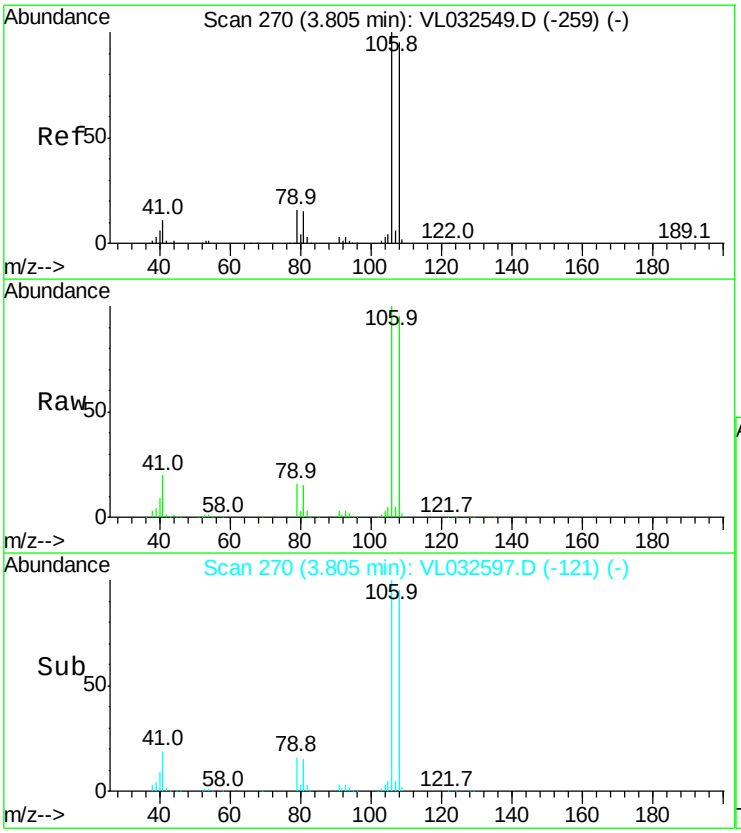
#13
Ethanol
Concen: 9.828 ppbv
RT: 3.66 min Scan# 226
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 135037

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.2	56.8

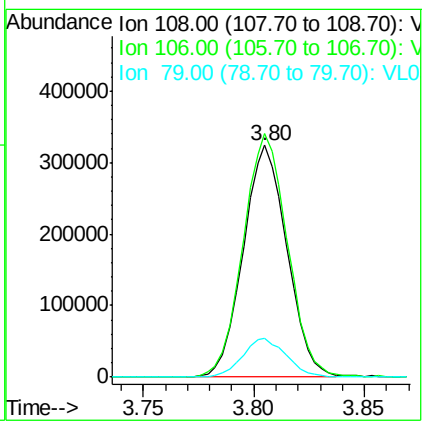


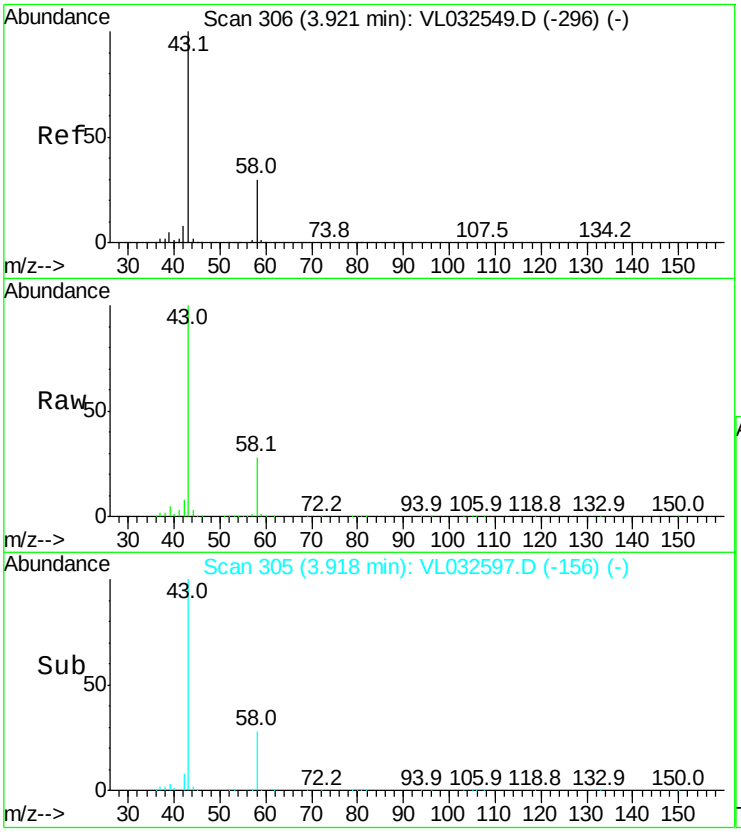


#14
Bromoethene
Concen: 11.014 ppbv
RT: 3.80 min Scan# 270
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:108 Resp: 445005

Ion	Ratio	Lower	Upper
108	100		
106	107.3	85.5	128.3
79	17.0	13.0	19.6



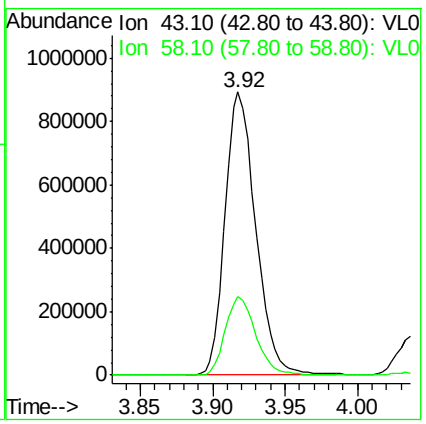


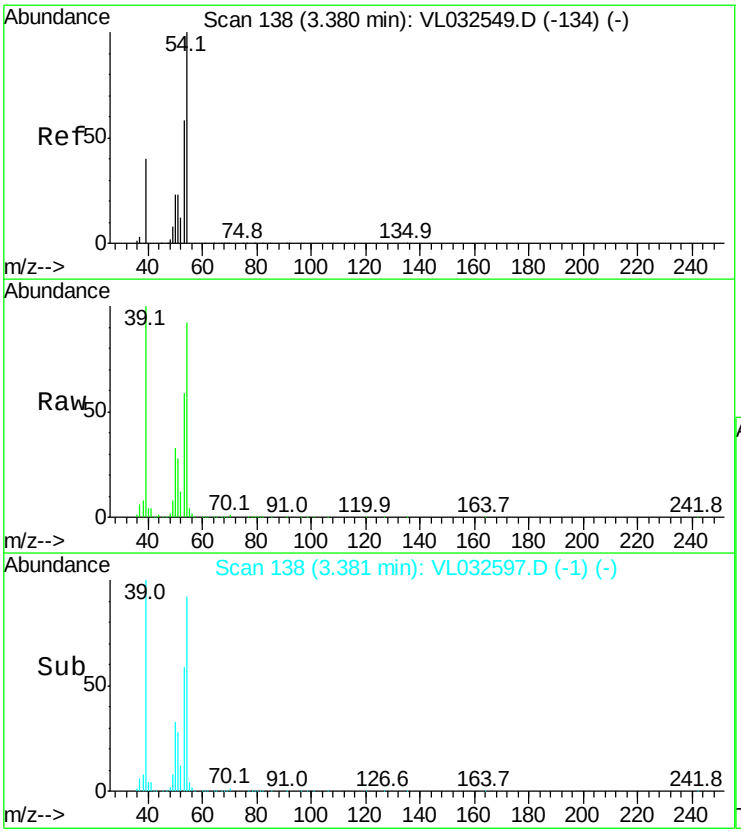
#15
Acetone
Concen: 11.791 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1311154

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.6	33.8

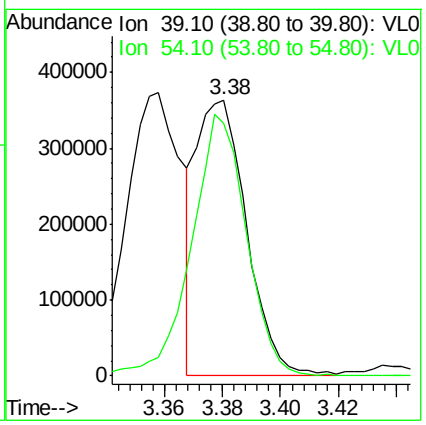


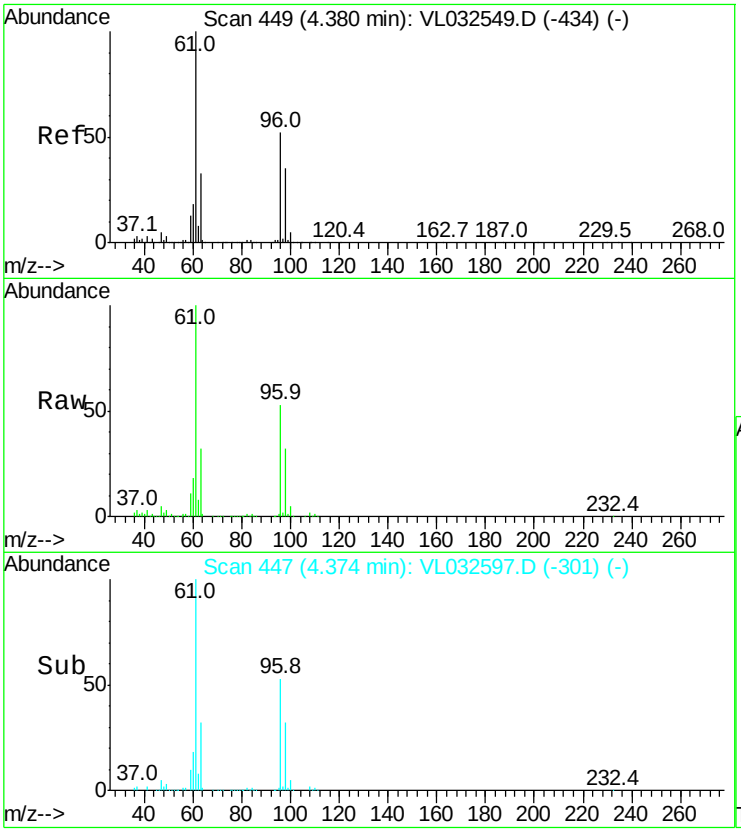


#16
1,3-Butadiene
Concen: 9.588 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 39 Resp: 432394

Ion	Ratio	Lower	Upper
39	100		
54	105.5	80.8	121.2



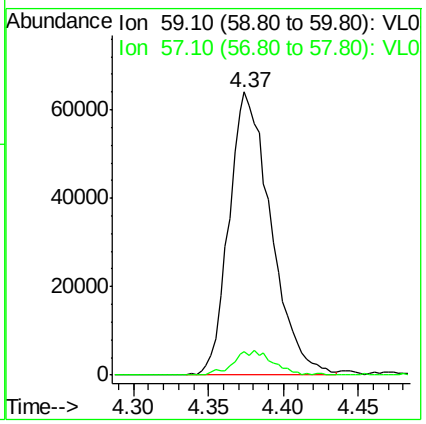


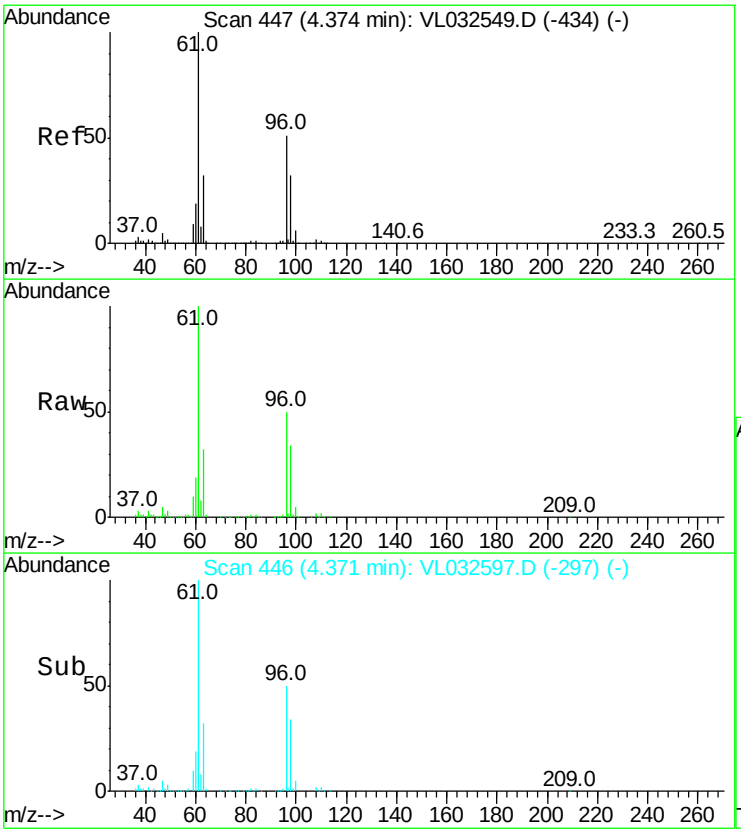
#17
tert-Butyl alcohol
Concen: 8.924 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 124705

Ion	Ratio	Lower	Upper
59	100		
57	8.2	0.0	0.0#

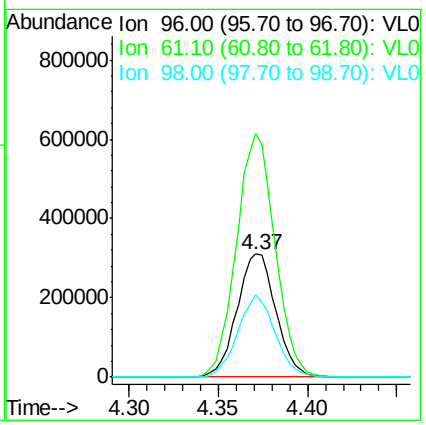


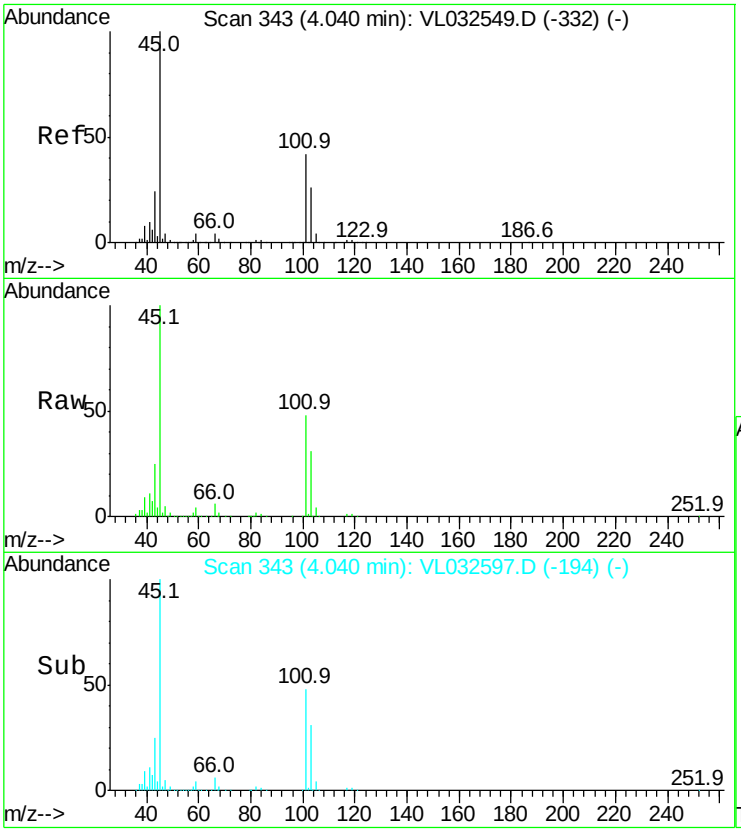


#18
1,1-Dichloroethene
Concen: 8.885 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 96 Resp: 473824

Ion	Ratio	Lower	Upper
96	100		
61	198.0	159.2	238.8
98	66.8	51.0	76.4



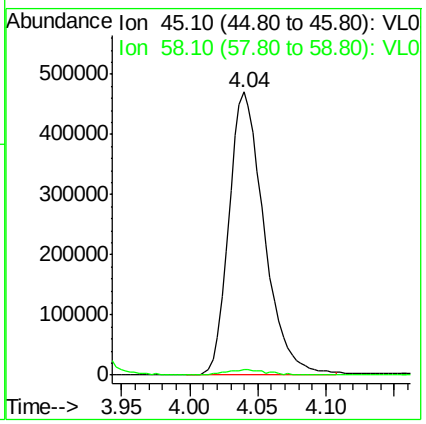


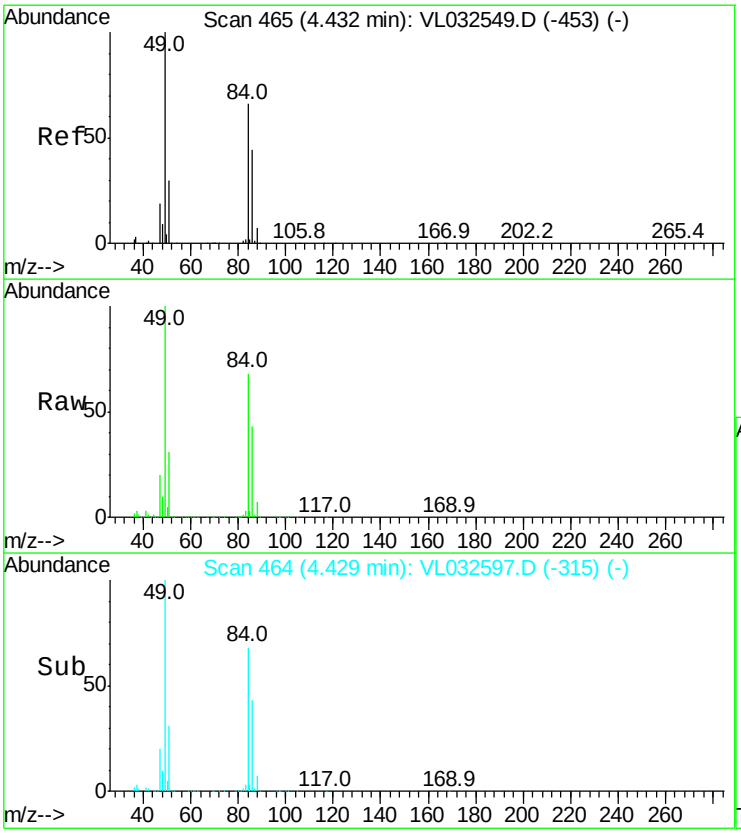
#19
Isopropyl Alcohol
Concen: 10.875 ppbv
RT: 4.04 min Scan# 343
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 842326

Ion	Ratio	Lower	Upper
45	100		
58	2.8	2.0	3.0

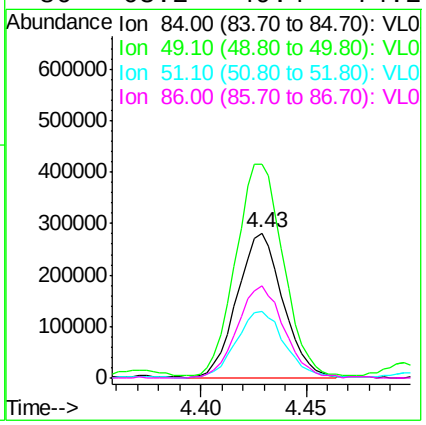


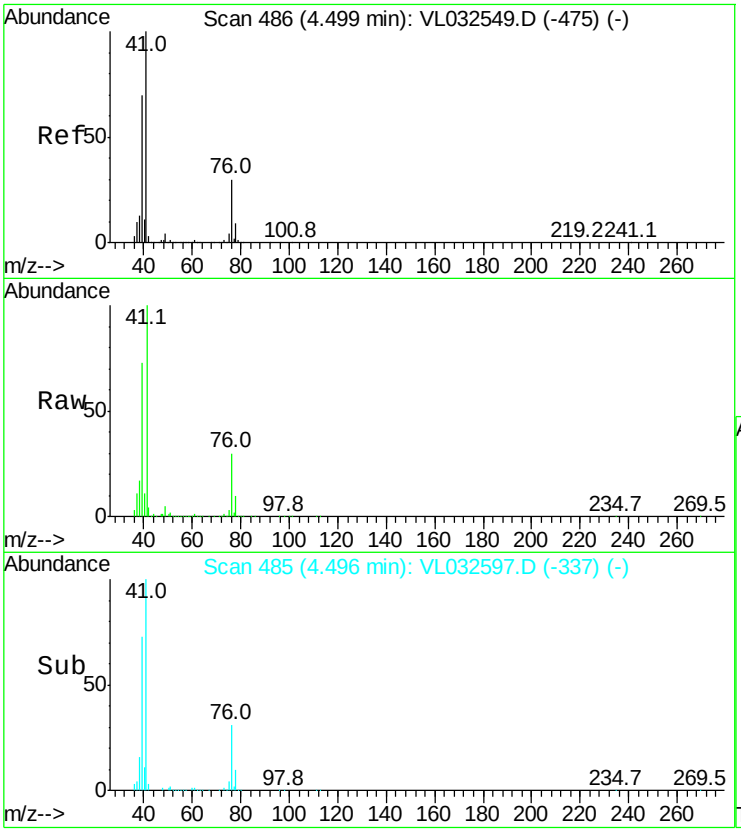


#20
Methylene Chloride
Concen: 7.858 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 84 Resp: 423173

Ion	Ratio	Lower	Upper
84	100		
49	146.4	119.1	178.7
51	46.1	35.2	52.8
86	63.2	49.4	74.2



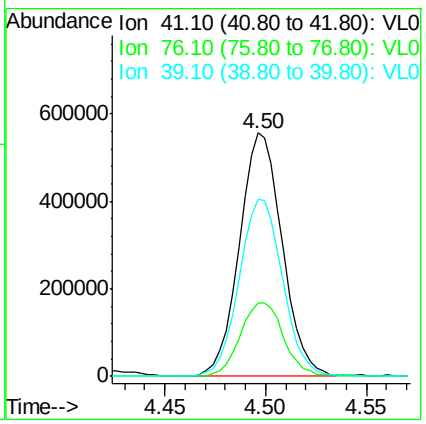


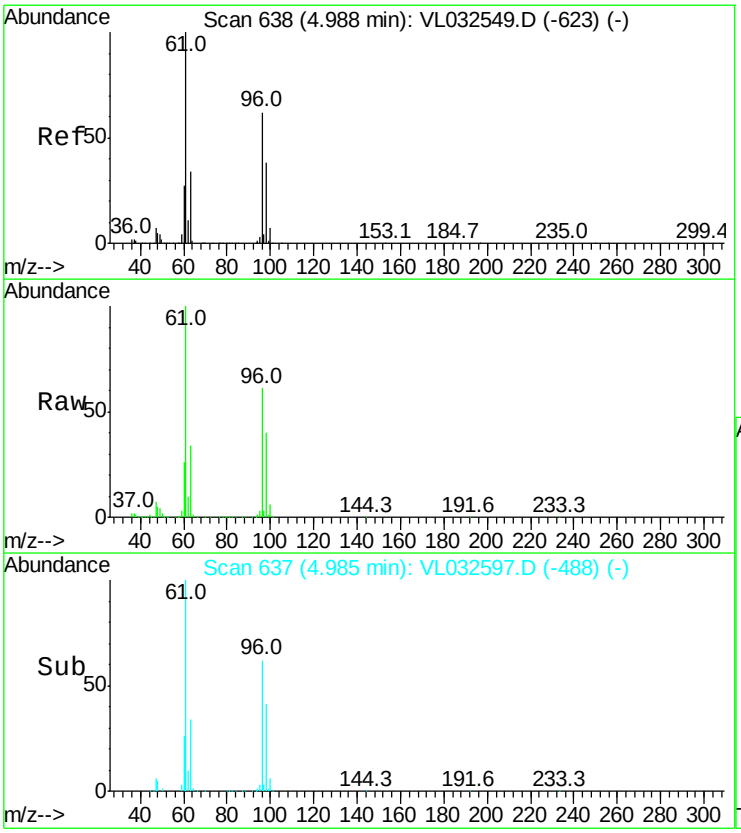
#21
Allyl Chloride
Concen: 9.066 ppbv
RT: 4.50 min Scan# 485
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 823954

Ion	Ratio	Lower	Upper
41	100		
76	31.0	23.6	35.4
39	74.5	57.7	86.5

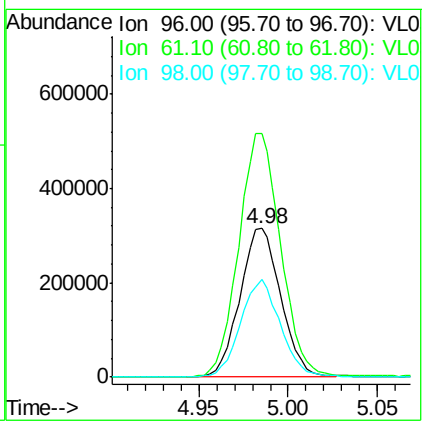


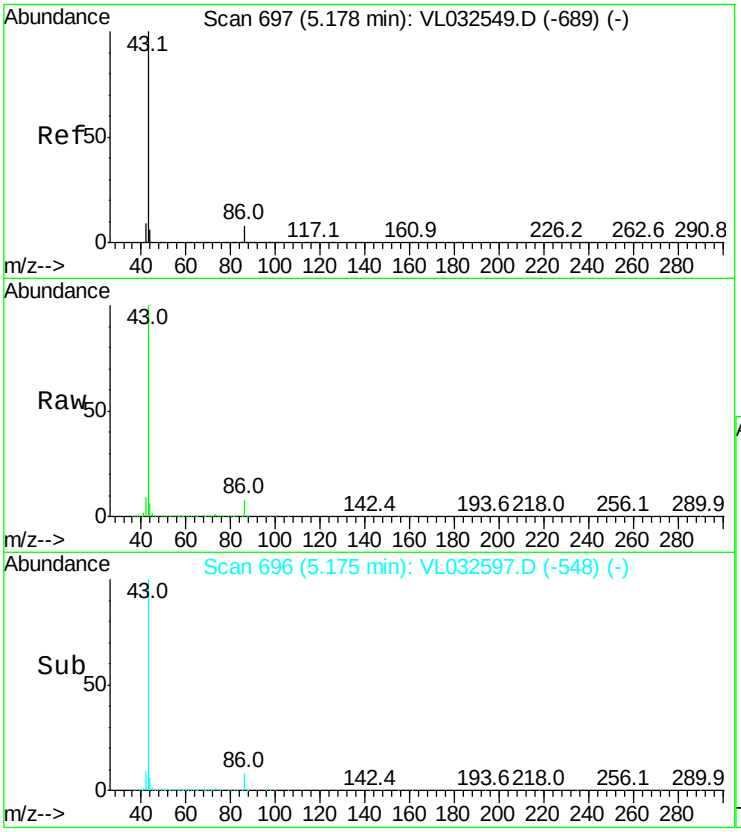


#22
trans-1,2-Dichloroethene
Concen: 10.066 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 96 Resp: 505897

Ion	Ratio	Lower	Upper
96	100		
61	163.3	136.2	204.4
98	65.6	50.4	75.6



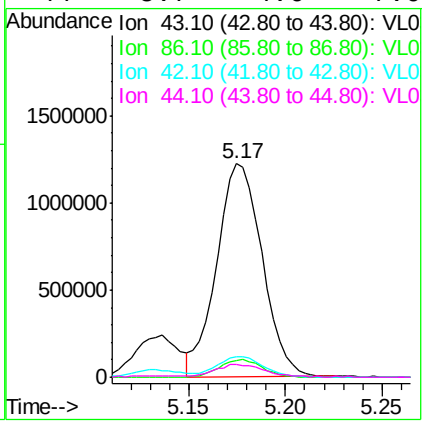


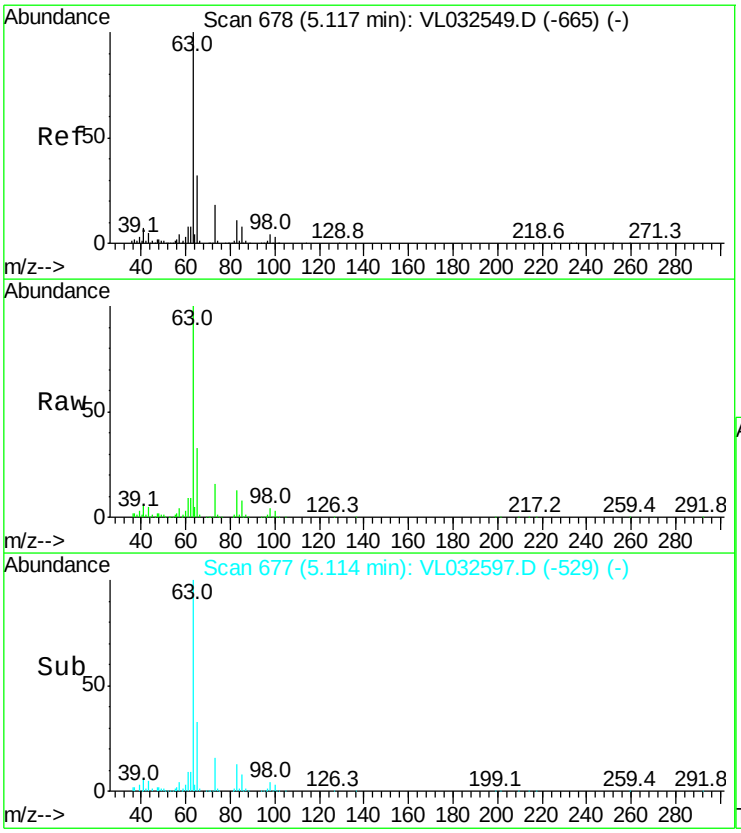
#23
Vinyl Acetate
Concen: 10.150 ppbv
RT: 5.17 min Scan# 696
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1994449

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	9.3	6.9	10.3
44	5.7	4.6	7.0

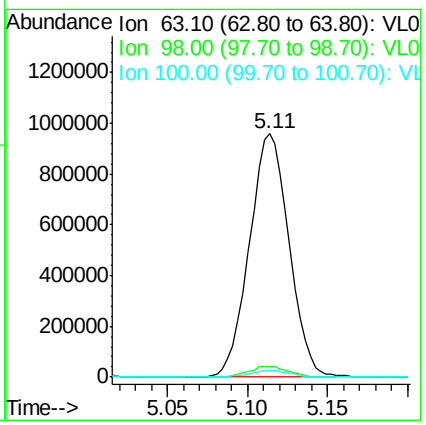


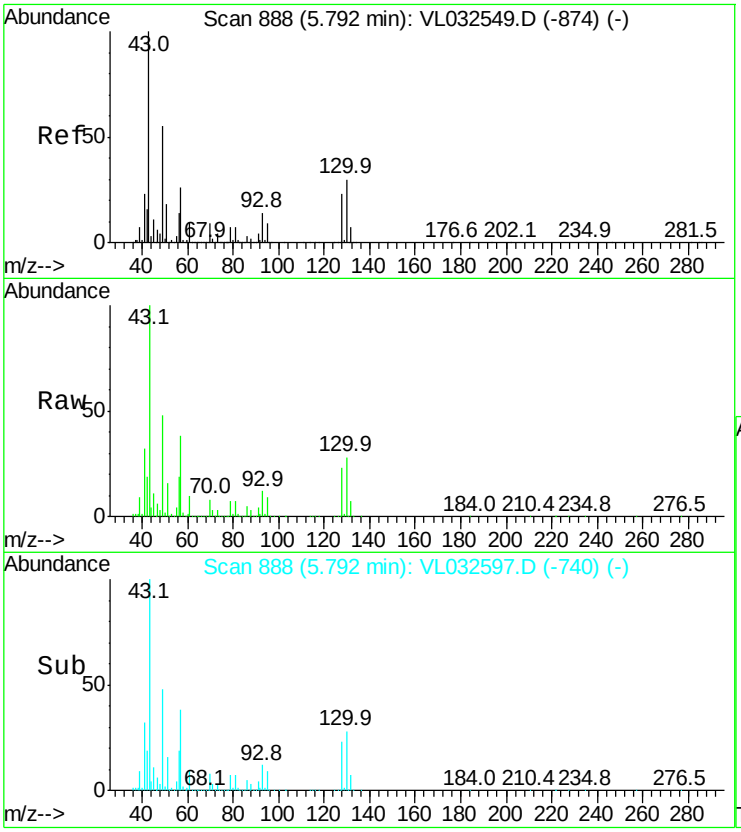


#24
1,1-Dichloroethane
Concen: 9.925 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 63 Resp: 1624076

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.8	1.5	4.4



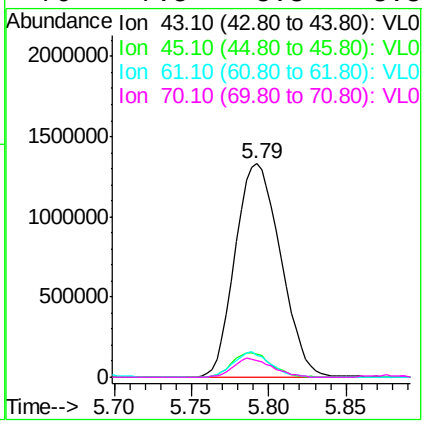


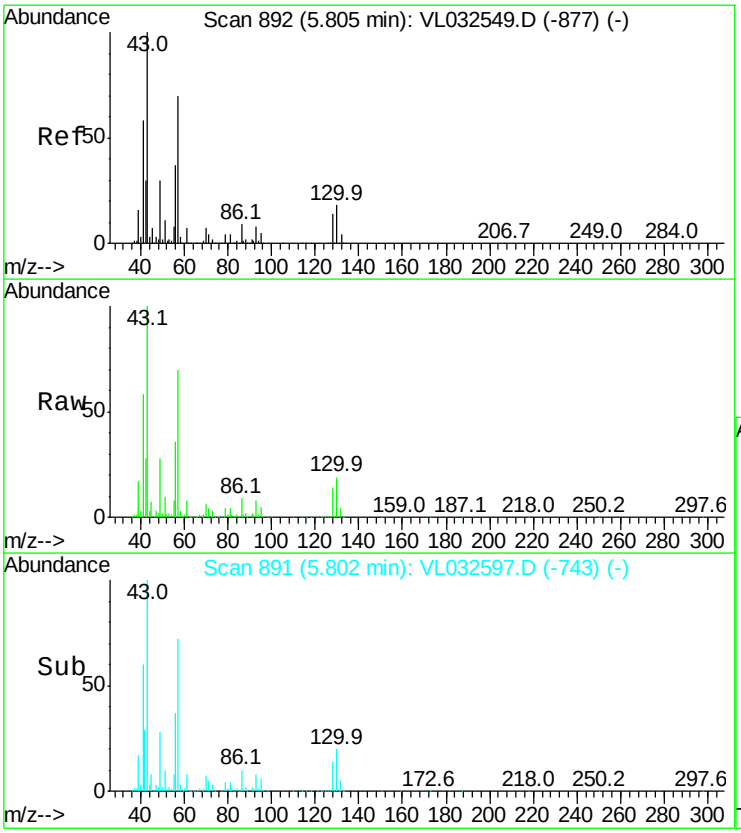
#25
Ethyl Acetate
Concen: 10.069 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2717014

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.9	7.6	11.4
70	7.5	5.8	8.8

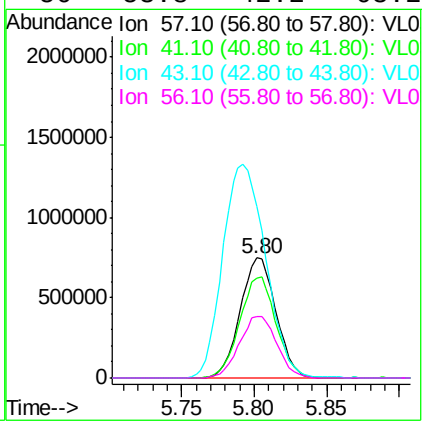


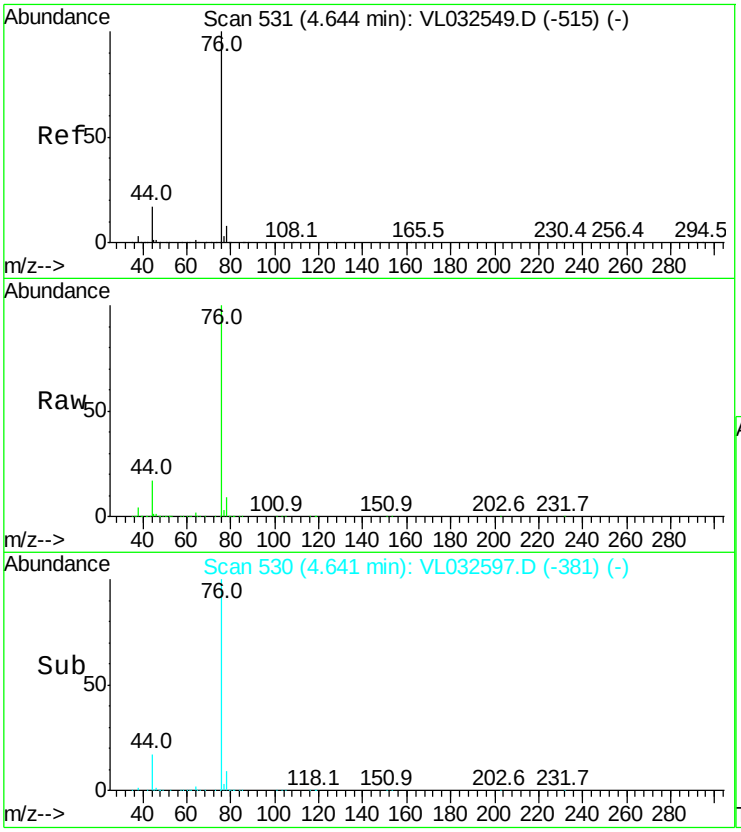


#26
Hexane
Concen: 10.526 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 57 Resp: 1282943

Ion	Ratio	Lower	Upper
57	100		
41	86.1	69.0	103.4
43	212.6	172.1	258.1
56	53.8	42.2	63.2



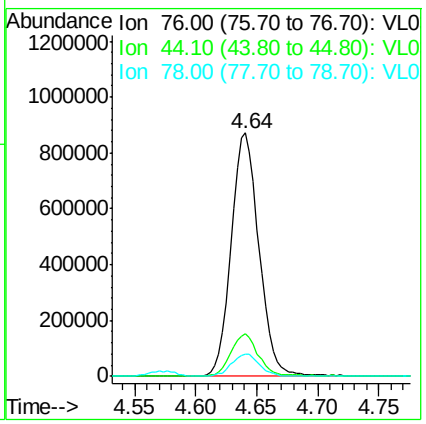


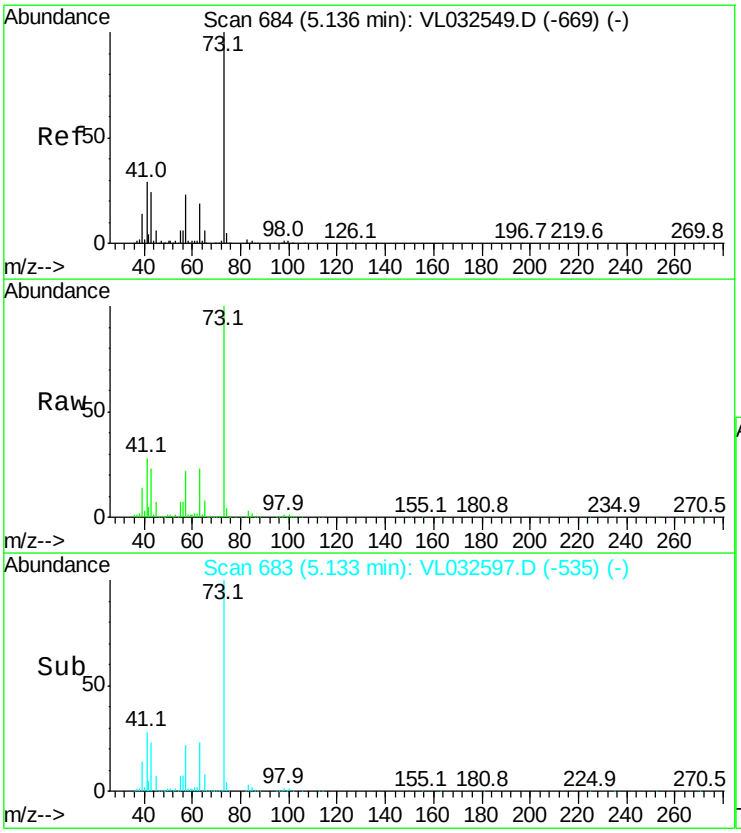
#27
Carbon Disulfide
Concen: 10.561 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1383758

Ion	Ratio	Lower	Upper
76	100		
44	17.0	14.0	21.0
78	9.1	7.5	11.3

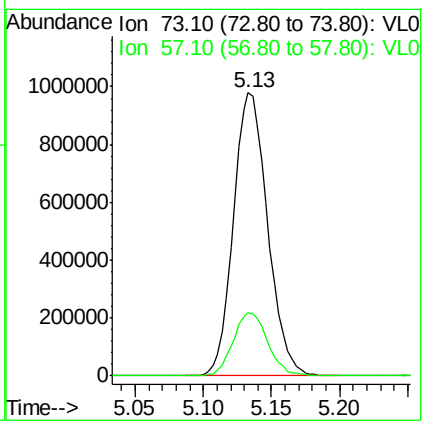


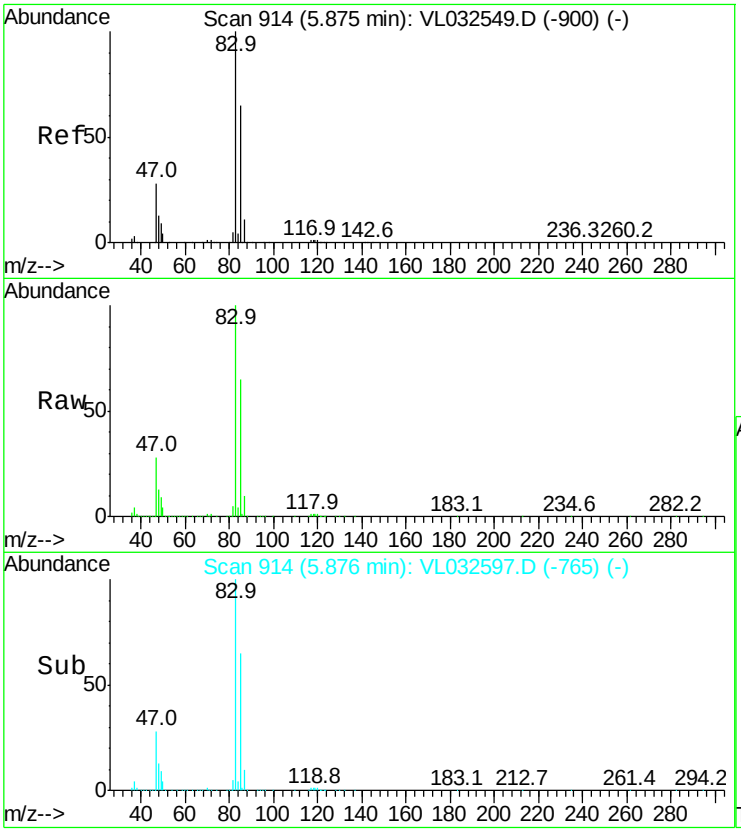


#28
Methyl tert-Butyl Ether
Concen: 11.231 ppbv
RT: 5.13 min Scan# 683
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 73 Resp: 1705205

Ion	Ratio	Lower	Upper
73	100		
57	22.7	19.3	28.9



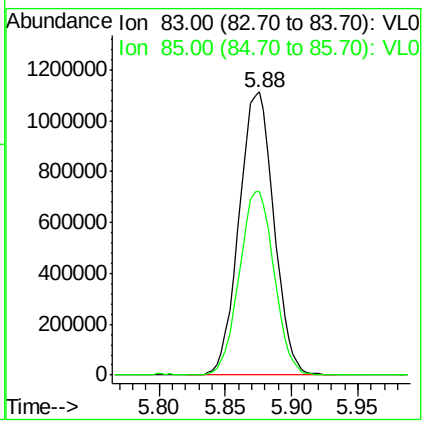


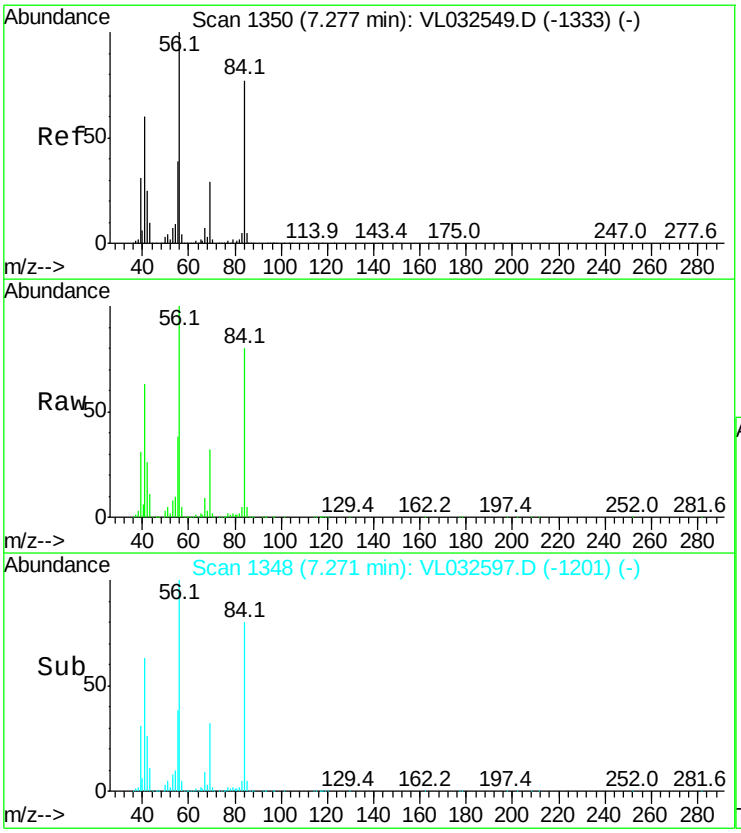
#29
Chloroform
Concen: 10.872 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2033280

Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.5	78.7

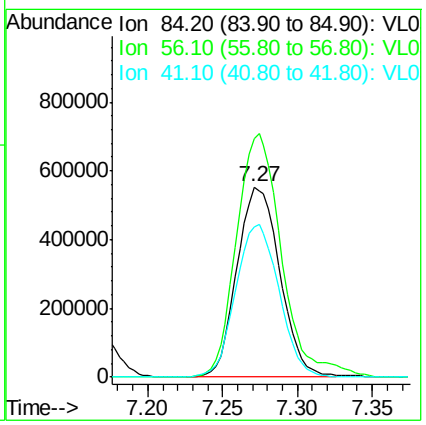


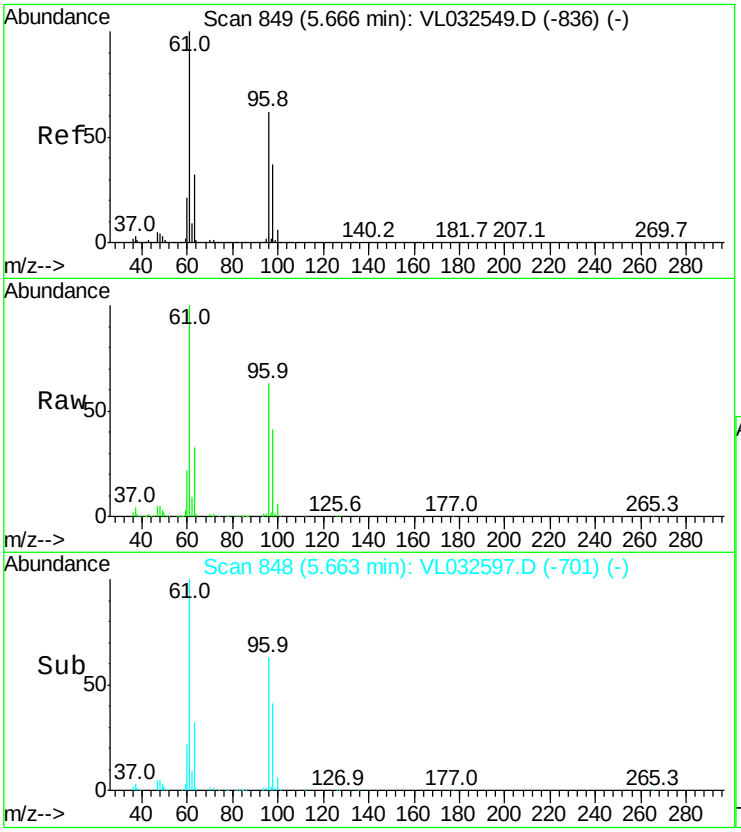


#30
Cyclohexane
Concen: 11.110 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 84 Resp: 1102598

Ion	Ratio	Lower	Upper
84	100		
56	135.3	113.5	170.3
41	81.6	68.1	102.1



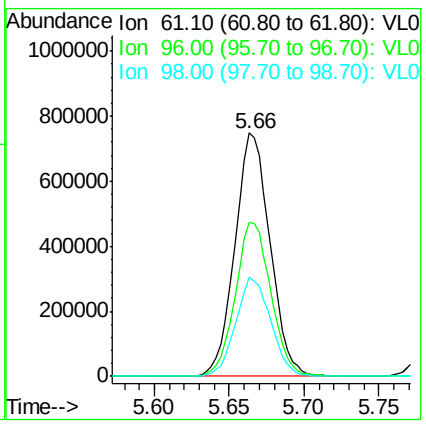


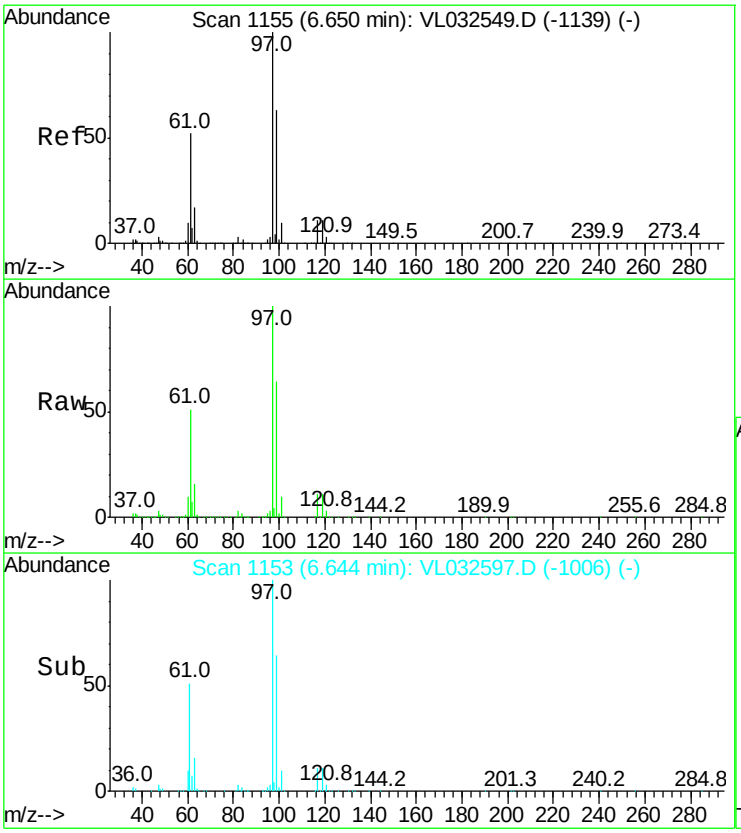
#31
cis-1,2-Dichloroethene
Concen: 10.561 ppbv
RT: 5.66 min Scan# 848
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1225933

Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.2	73.8
98	40.6	30.7	46.1

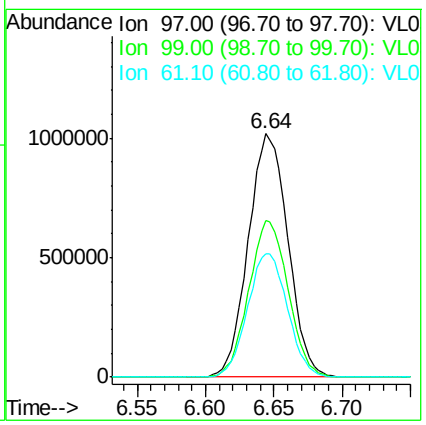


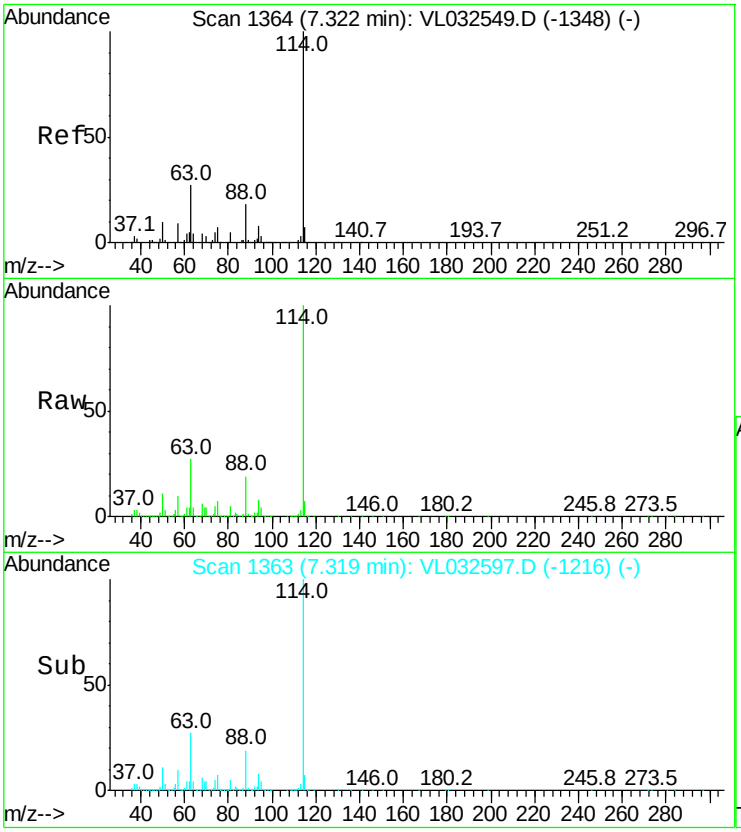


#32
1,1,1-Trichloroethane
Concen: 10.329 ppbv
RT: 6.64 min Scan# 1153
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 97 Resp: 2058536

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	51.2	42.5	63.7



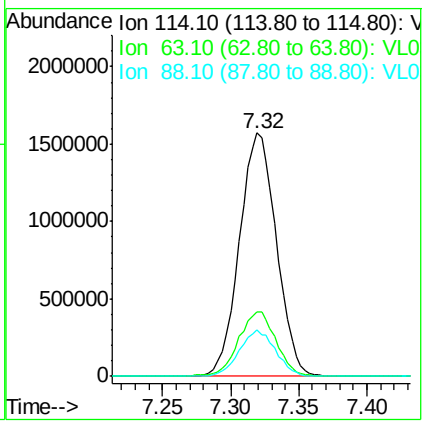


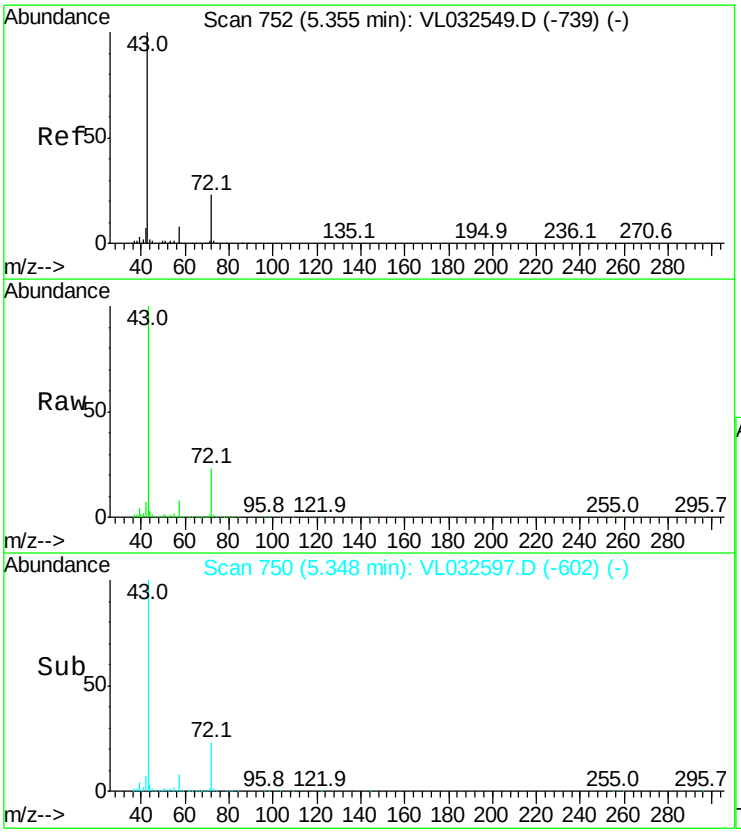
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2956070

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.6	15.0	22.4

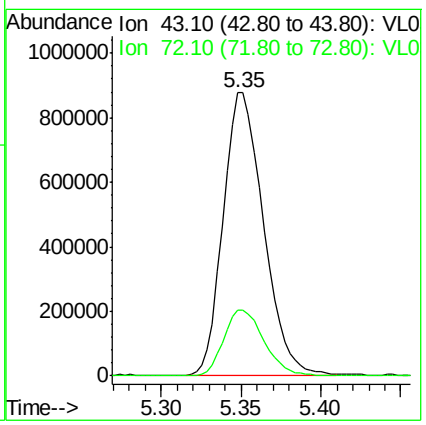


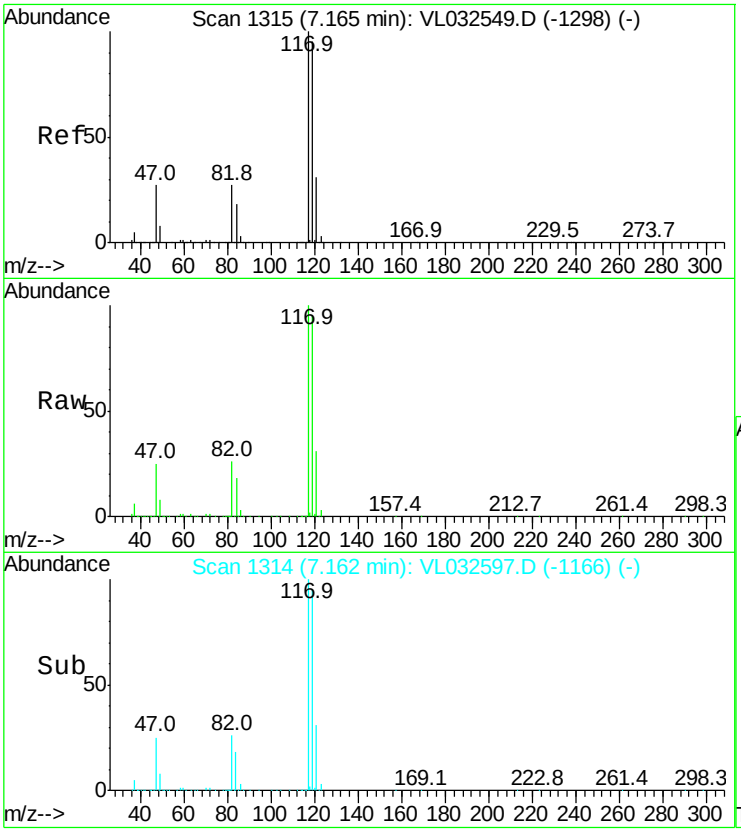


#34
2-Butanone
Concen: 8.563 ppbv
RT: 5.35 min Scan# 750
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 43 Resp: 1507401

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.6



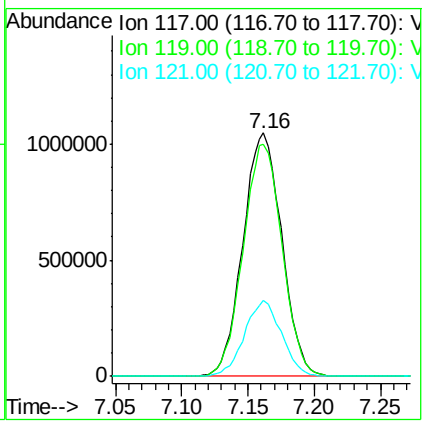


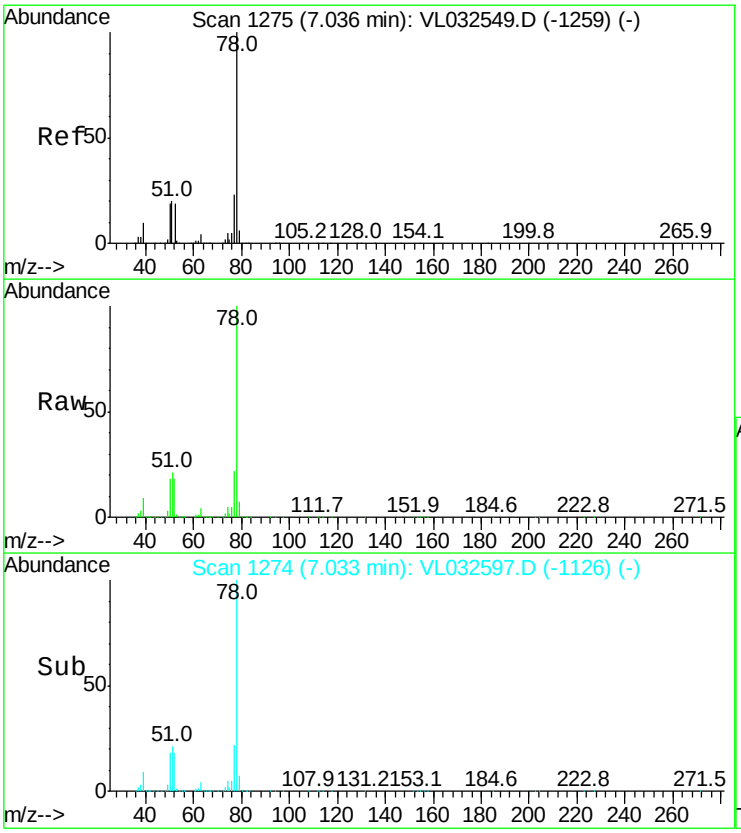
#35
Carbon Tetrachloride
Concen: 10.410 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2138349

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	115.0
121	31.2	24.6	36.8

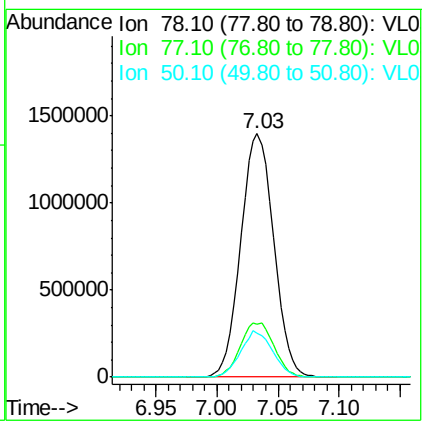


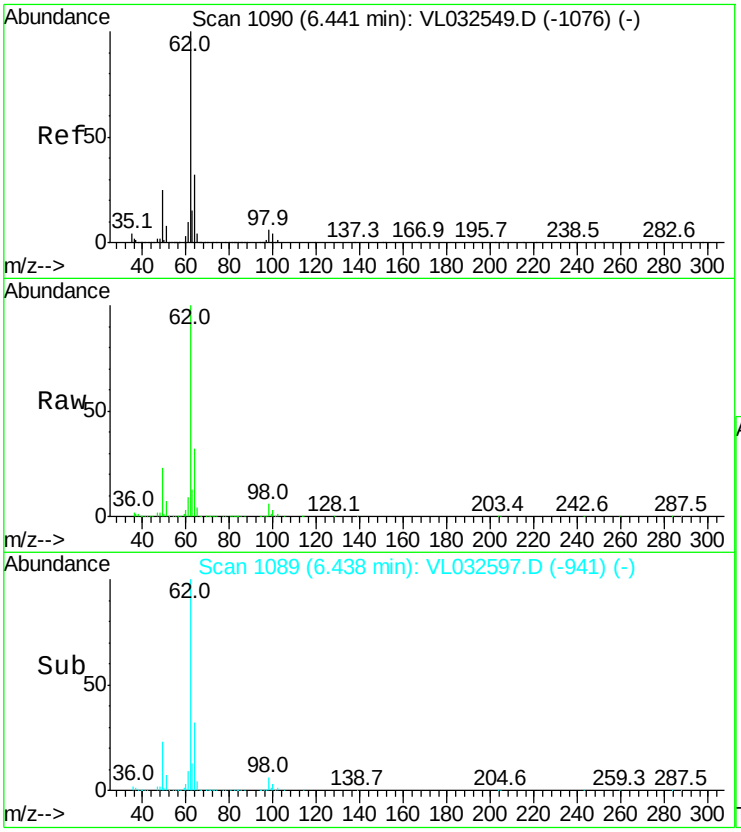


#36
Benzene
Concen: 10.874 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 78 Resp: 2597808

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6
50	18.0	14.4	21.6



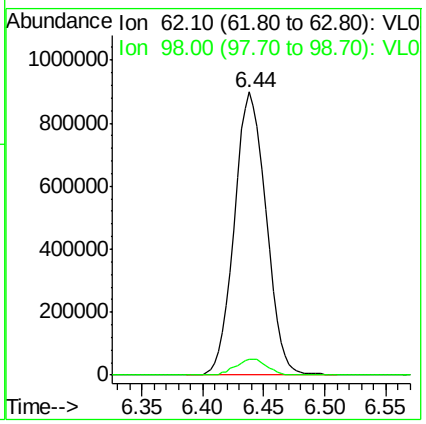


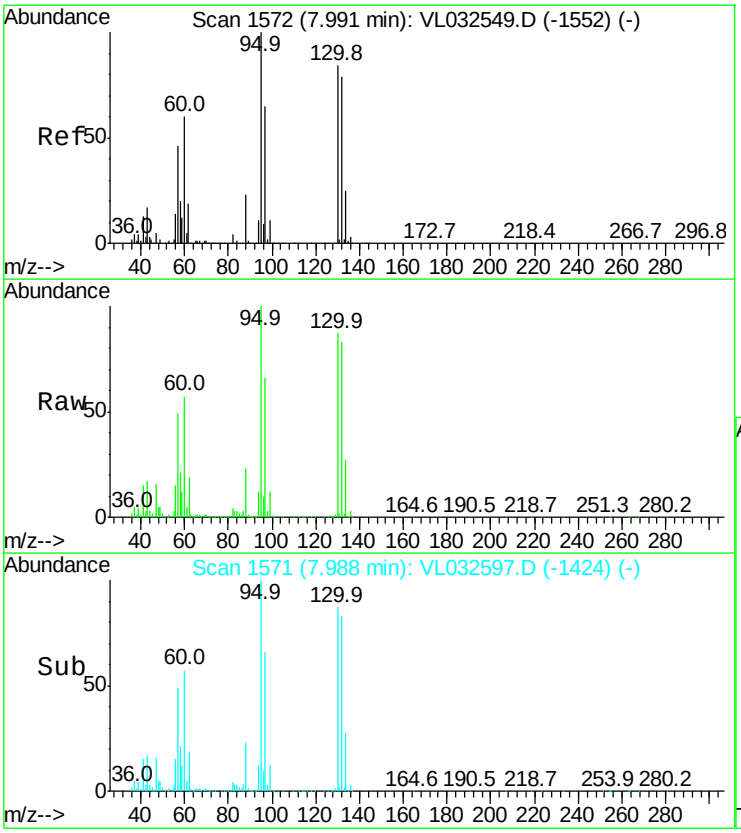
#37
1,2-Dichloroethane
Concen: 11.246 ppbv
RT: 6.44 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1619140

Ion	Ratio	Lower	Upper
62	100		
98	5.7	5.0	7.6

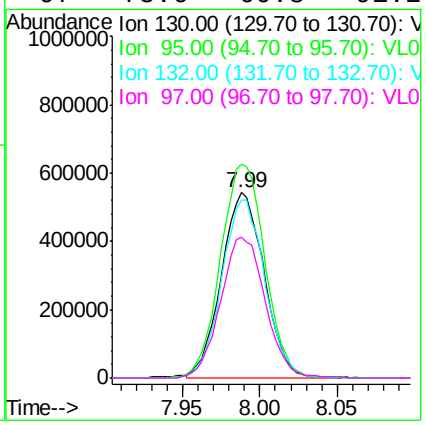


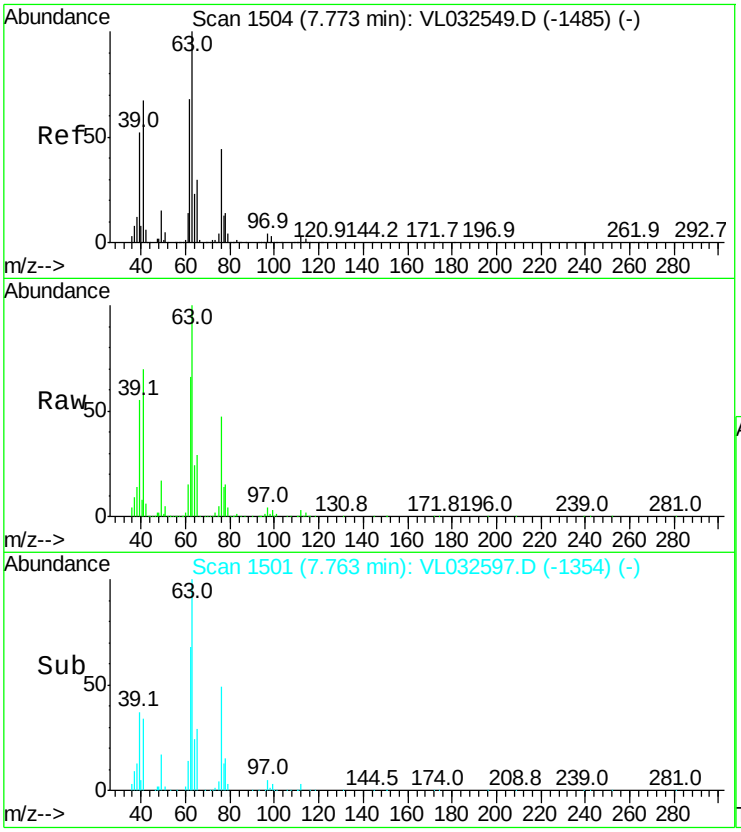


#38
Trichloroethene
Concen: 11.356 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:130 Resp: 1038367

Ion	Ratio	Lower	Upper
130	100		
95	114.7	94.2	141.4
132	95.7	76.2	114.4
97	75.6	60.8	91.2



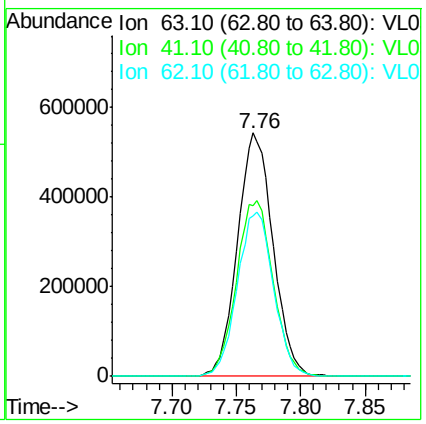


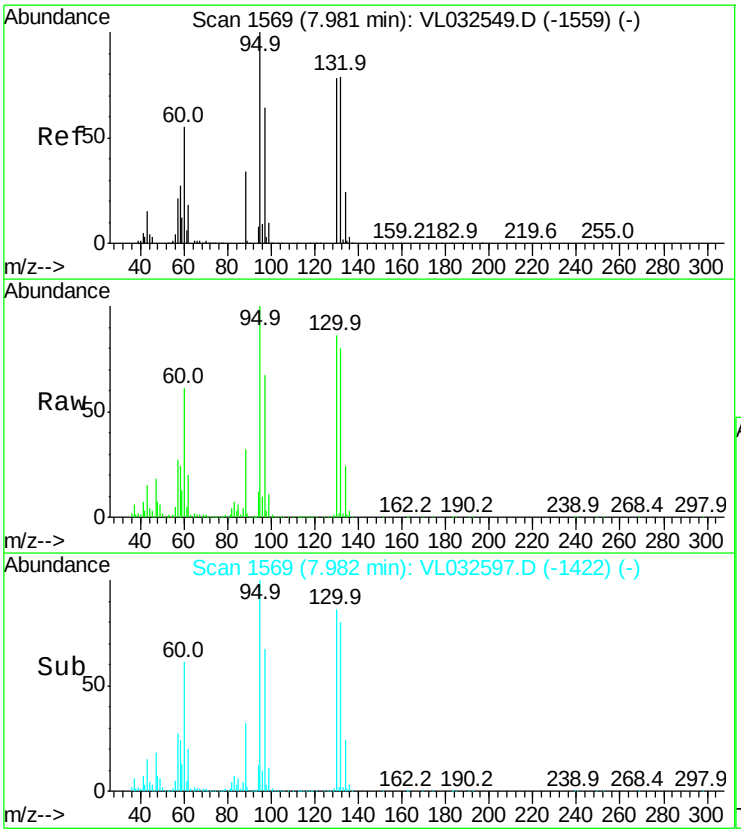
#39
1,2-Dichloropropane
Concen: 9.670 ppbv
RT: 7.76 min Scan# 1501
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 1041047

Ion	Ratio	Lower	Upper
63	100		
41	70.1	55.4	83.0
62	65.7	55.4	83.0

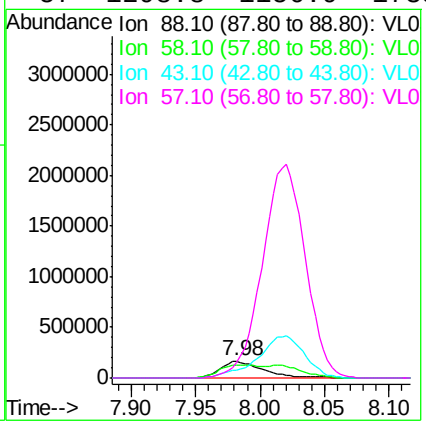


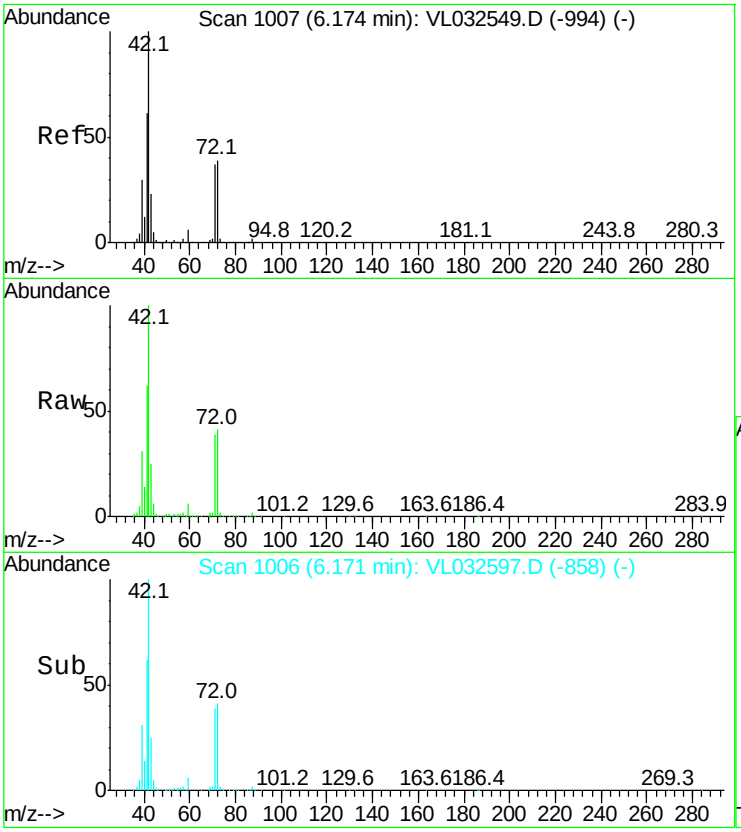


#40
1,4-Dioxane
Concen: 11.460 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 88 Resp: 378297

Ion	Ratio	Lower	Upper
88	100		
58	141.2	119.7	179.5
43	278.8	253.0	379.4
57	1298.8	1156.9	1735.3



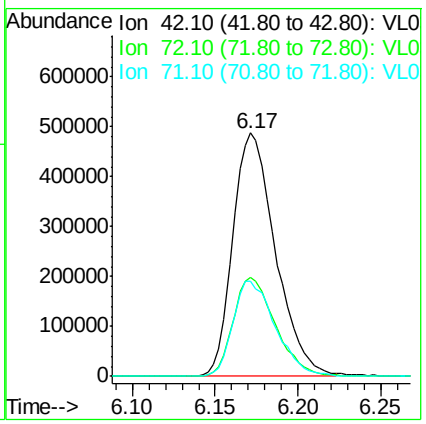


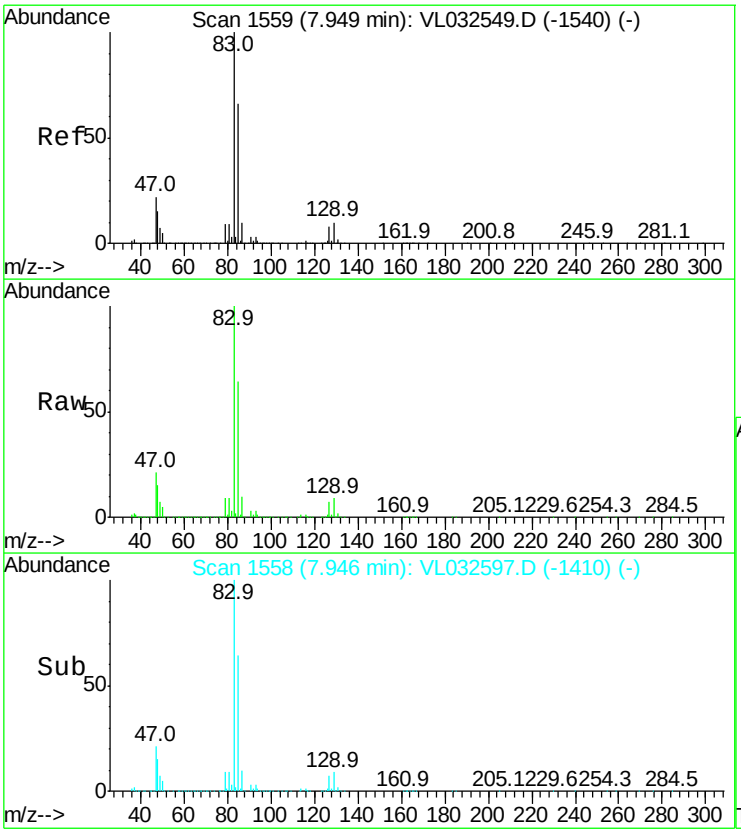
#41
Tetrahydrofuran
Concen: 9.086 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 868928

Ion	Ratio	Lower	Upper
42	100		
72	40.5	29.5	44.3
71	39.2	28.3	42.5

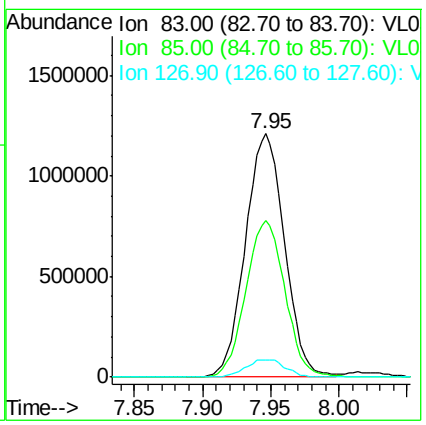


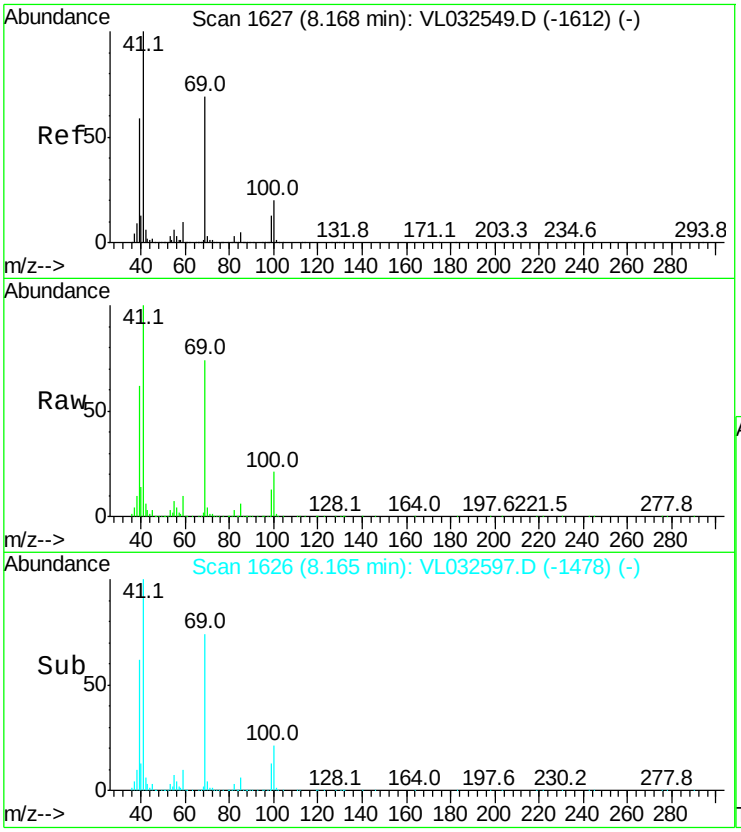


#42
Bromodichloromethane
Concen: 11.168 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 83 Resp: 2408958

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	7.1	5.8	8.8



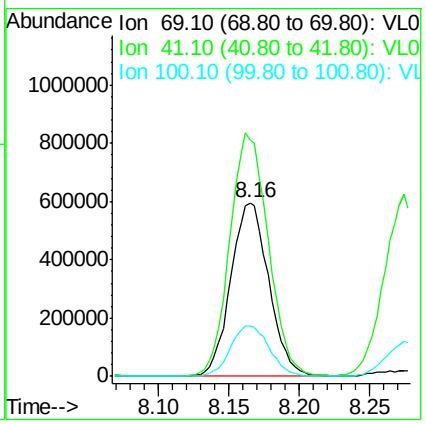


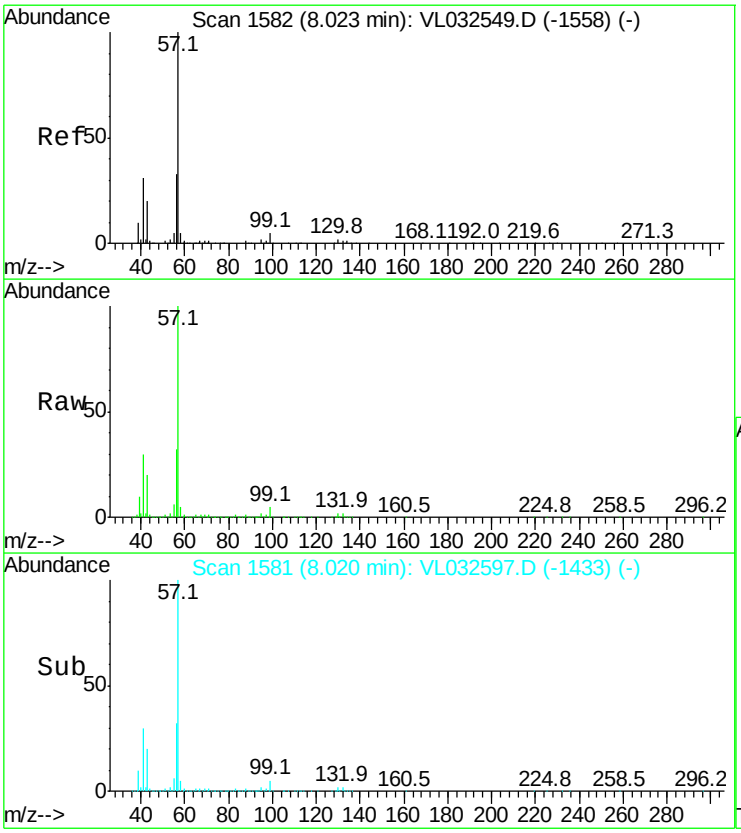
#43
Methyl Methacrylate
Concen: 11.260 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 1123722

Ion	Ratio	Lower	Upper
69	100		
41	141.6	117.1	175.7
100	30.1	23.4	35.2

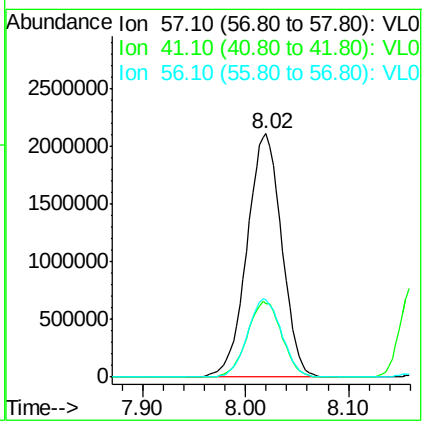


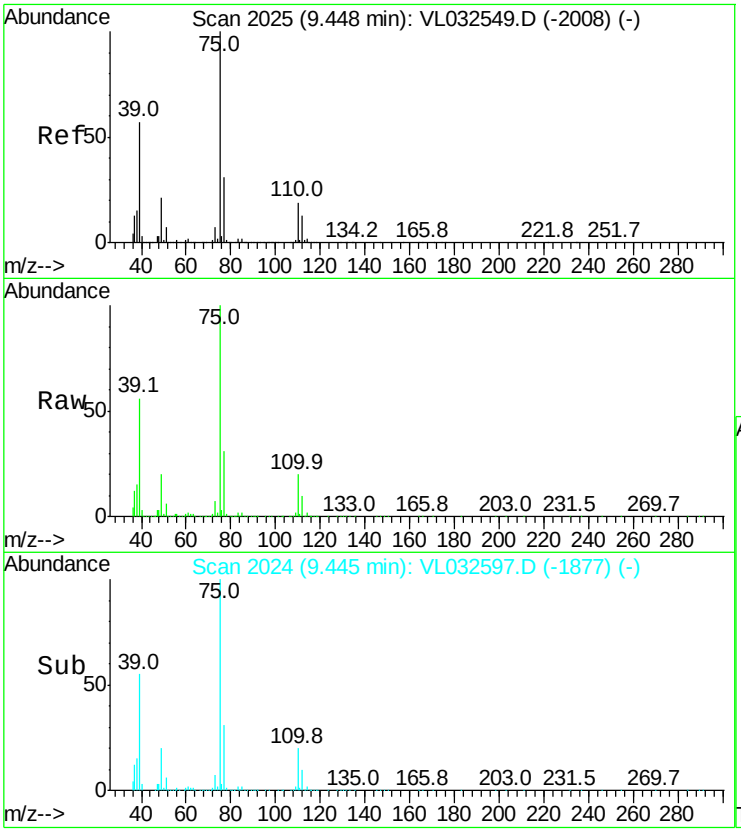


#44
2,2,4-Trimethylpentane
Concen: 10.513 ppbv
RT: 8.02 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 57 Resp: 4908554

Ion	Ratio	Lower	Upper
57	100		
41	31.0	24.4	36.6
56	31.5	25.7	38.5



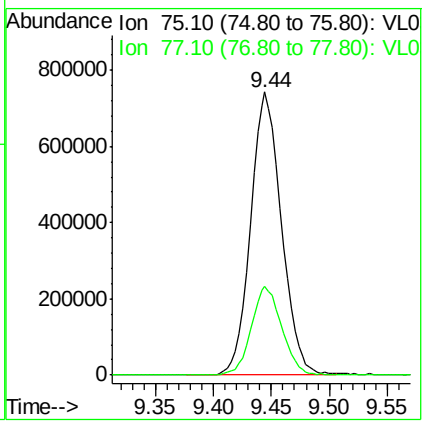


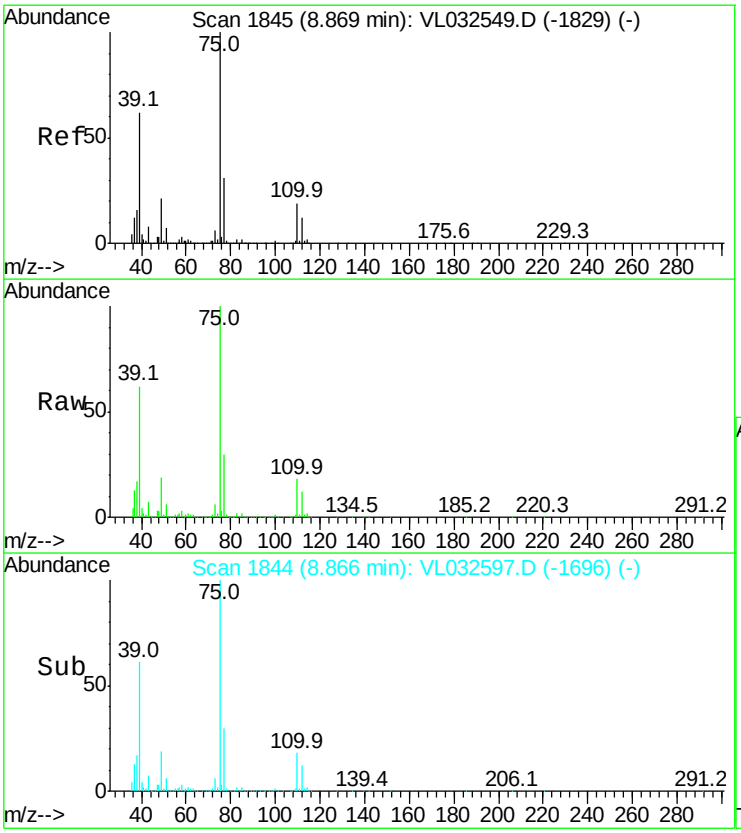
#45
t-1,3-Dichloropropene
Concen: 11.094 ppbv
RT: 9.44 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1377266

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.2

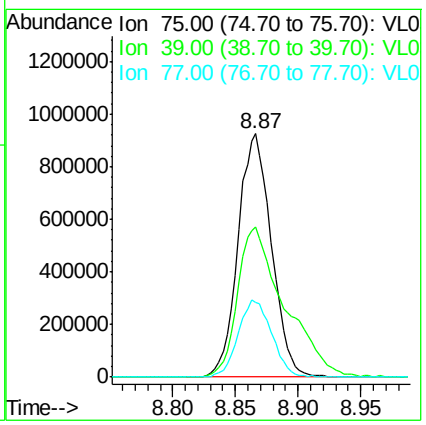


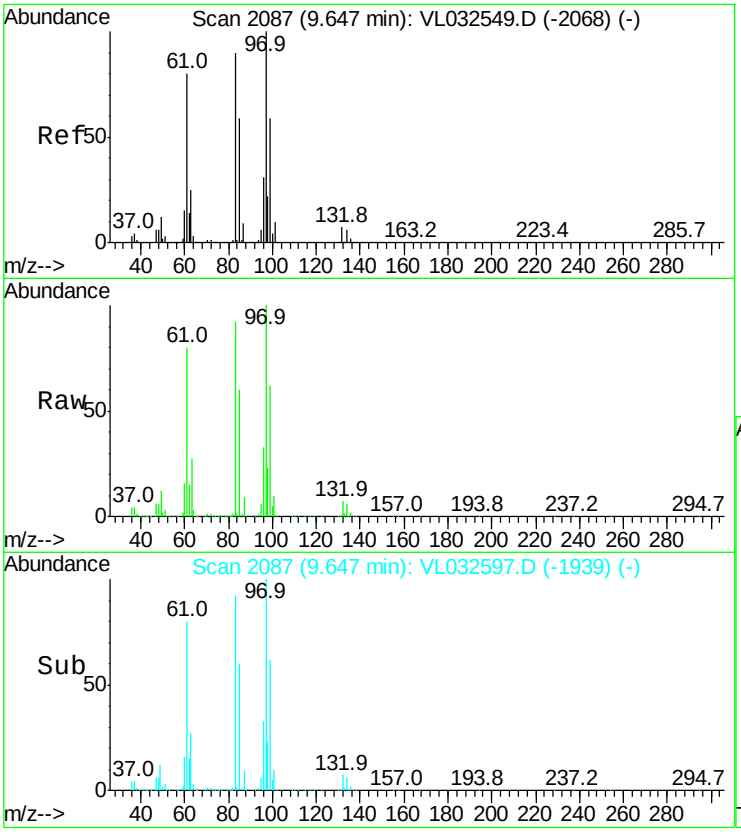


#46
cis-1,3-Dichloropropene
Concen: 11.737 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 75 Resp: 1708968

Ion	Ratio	Lower	Upper
75	100		
39	61.5	48.9	73.3
77	30.4	25.4	38.0



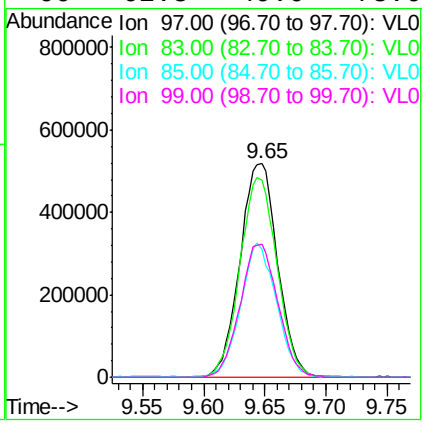


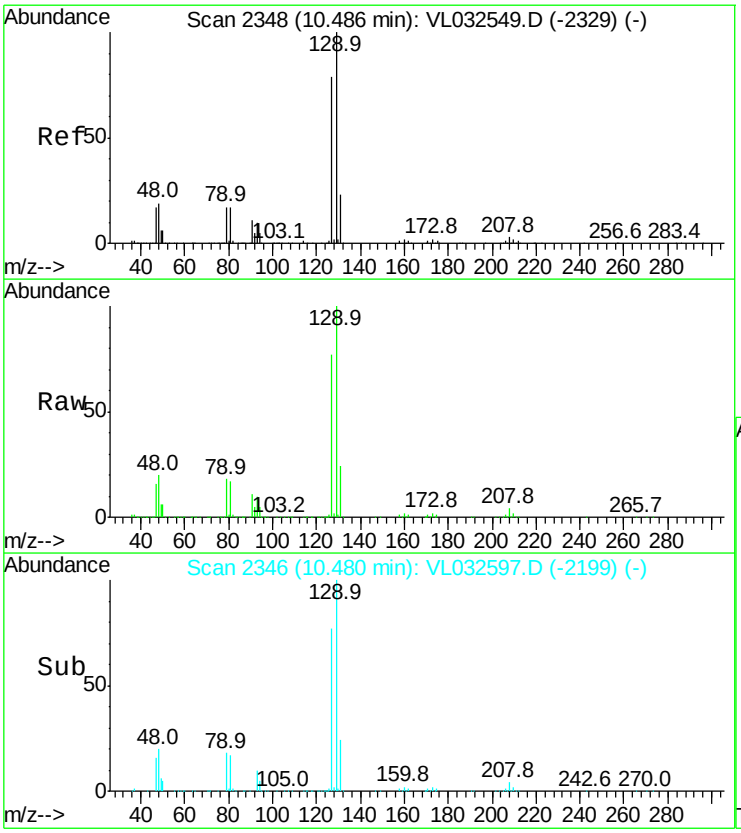
#47
1,1,2-Trichloroethane
Concen: 9.225 ppbv
RT: 9.65 min Scan# 2087
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 1102997

Ion	Ratio	Lower	Upper
97	100		
83	92.3	75.0	112.4
85	59.7	47.5	71.3
99	62.3	49.0	73.6

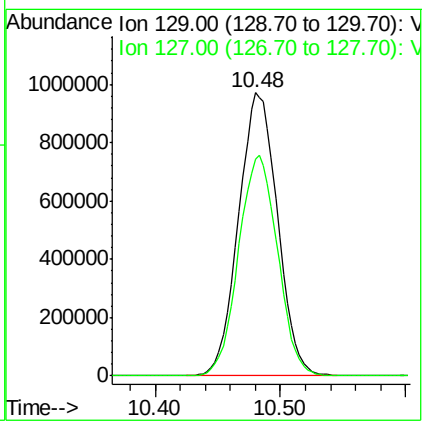


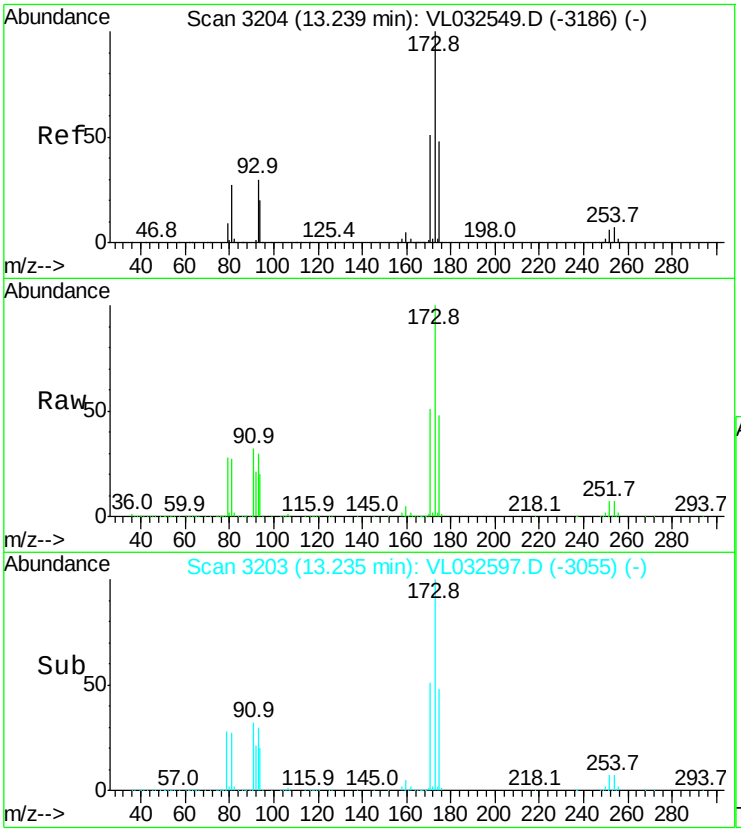


#48
Dibromochloromethane
Concen: 11.160 ppbv
RT: 10.48 min Scan# 2346
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:129 Resp: 2098203

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.5	118.3



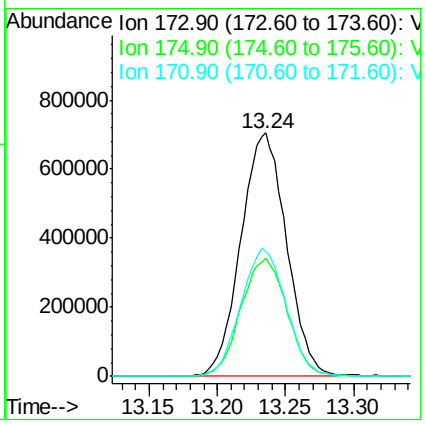


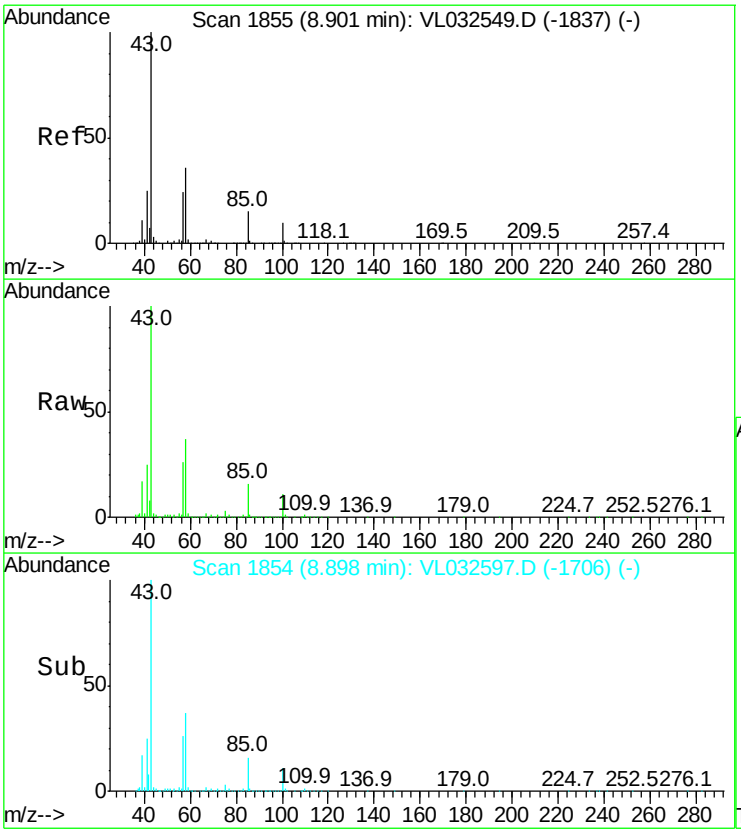
#49
Bromoform
Concen: 11.374 ppbv
RT: 13.24 min Scan# 3203
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1634070

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.9	58.3
171	52.2	41.6	62.4

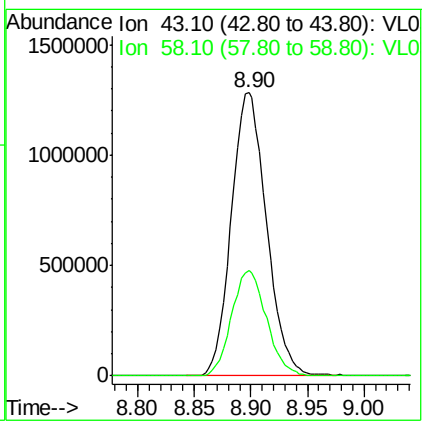


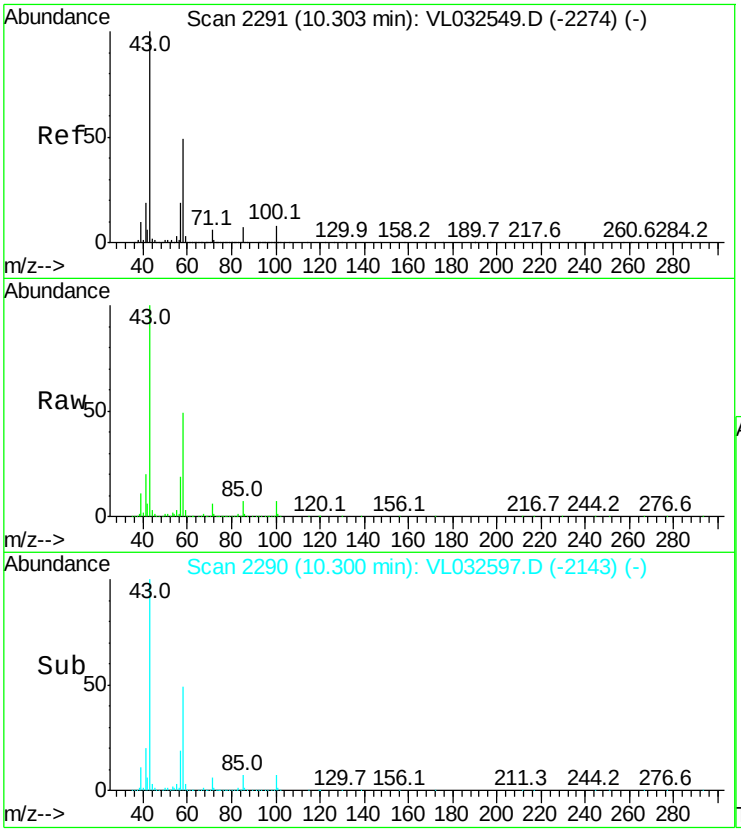


#50
4-Methyl-2-Pentanone
Concen: 10.030 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 43 Resp: 2775430

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.0	43.4



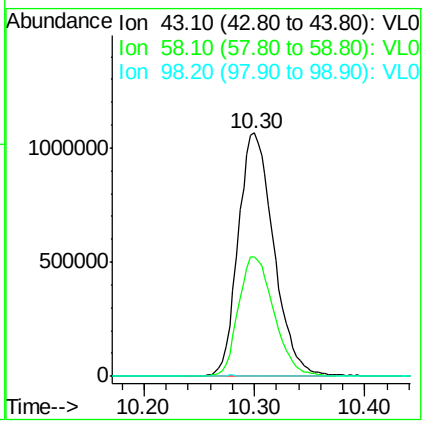


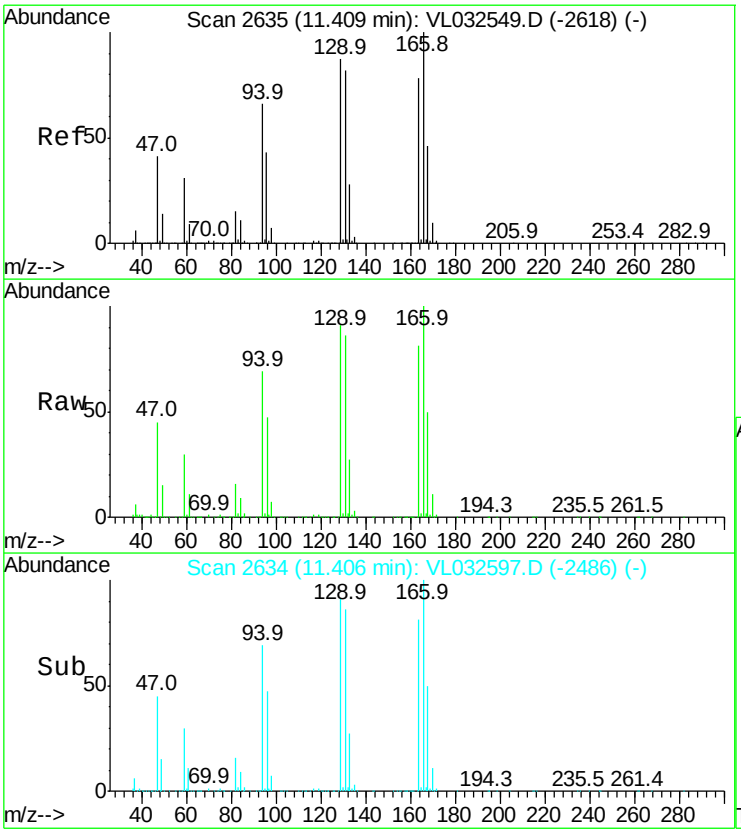
#51
2-Hexanone
Concen: 10.405 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2381211

Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.2	58.8
98	0.6	0.4	0.6#

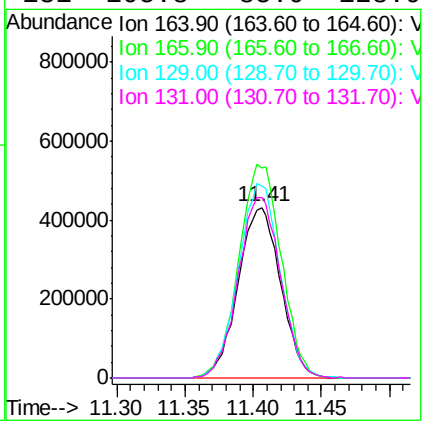


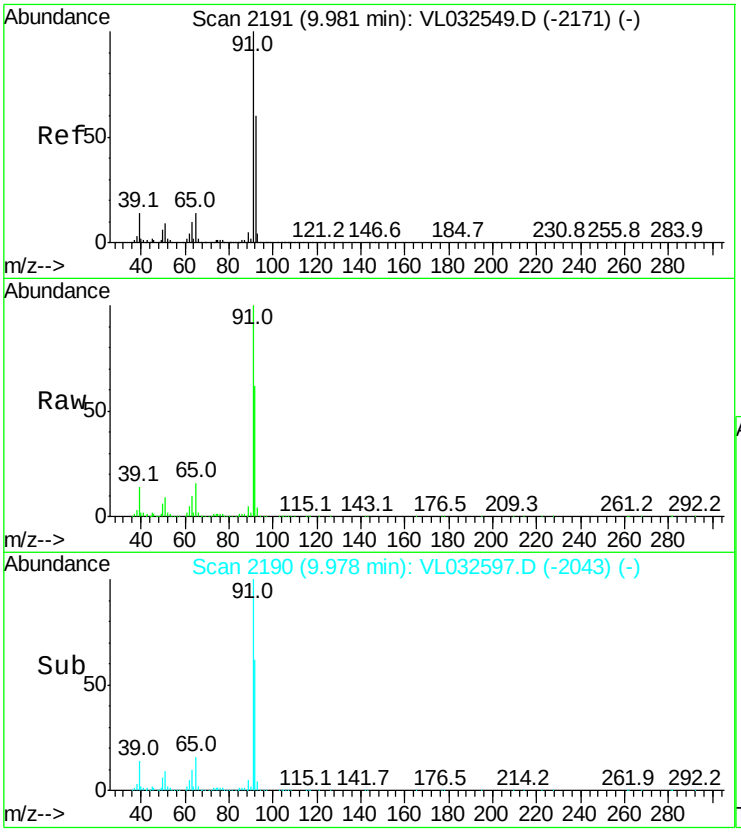


#52
Tetrachloroethene
Concen: 11.220 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:164 Resp: 933265

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.6	150.8
129	112.0	89.9	134.9
131	105.8	85.9	128.9



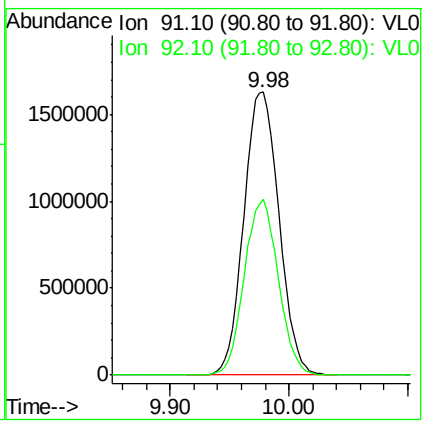


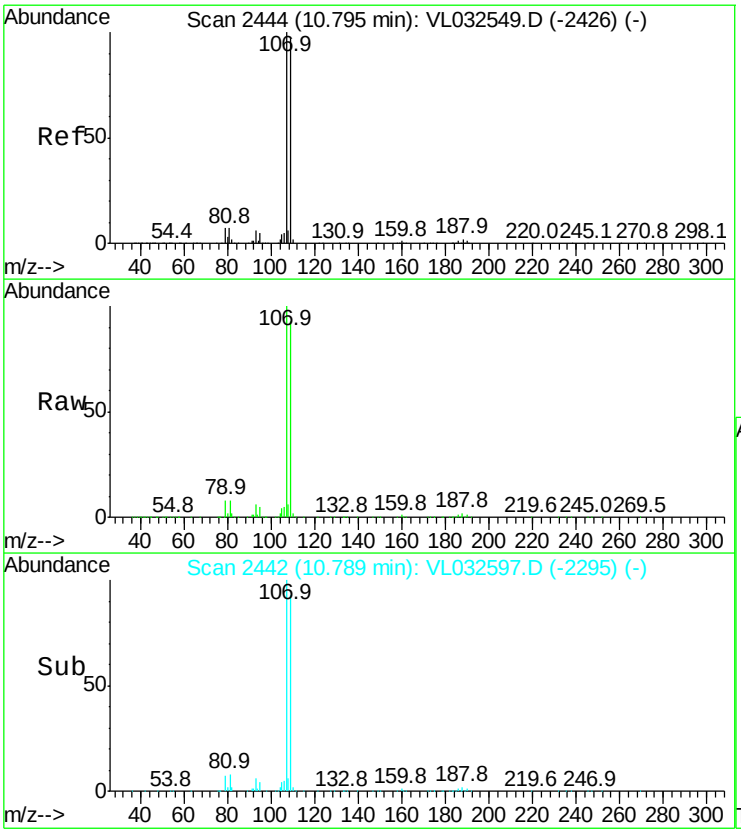
#53
Toluene
Concen: 11.462 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3336826

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.1	72.1

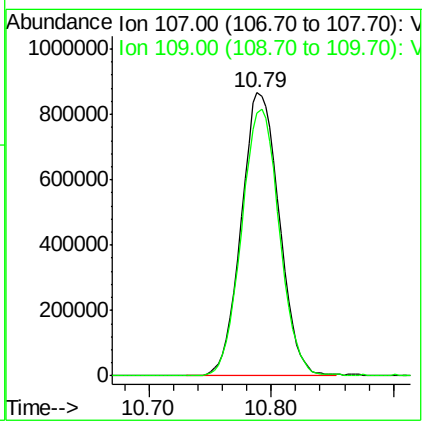


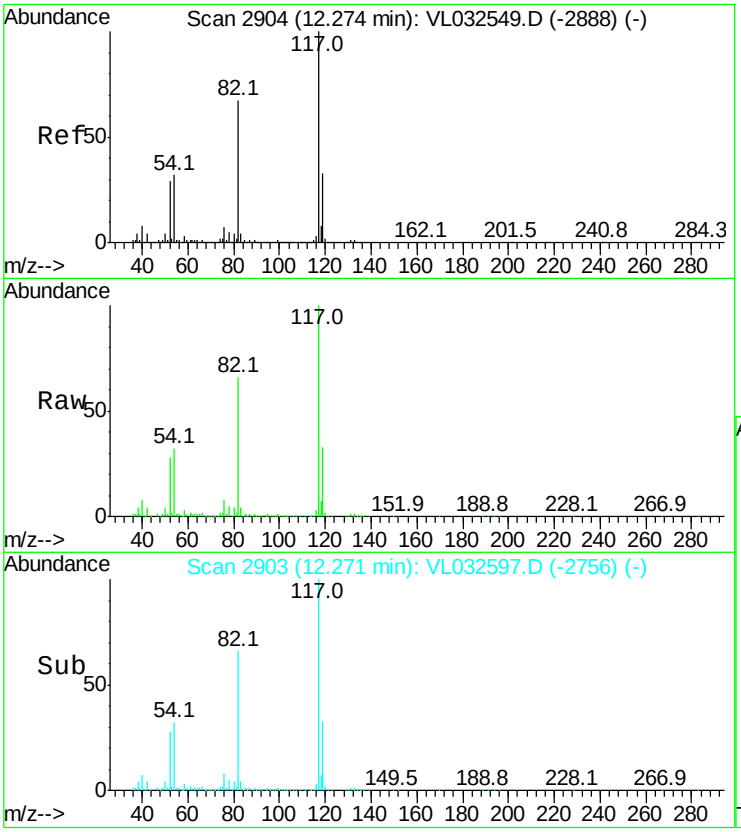


#54
1,2-Dibromoethane
Concen: 10.922 ppbv
RT: 10.79 min Scan# 2442
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:107 Resp: 1857572

Ion	Ratio	Lower	Upper
107	100		
109	93.0	73.9	110.9



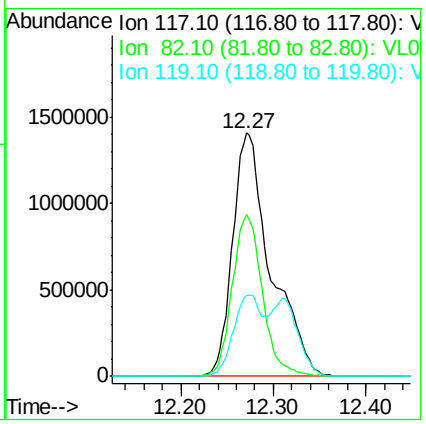


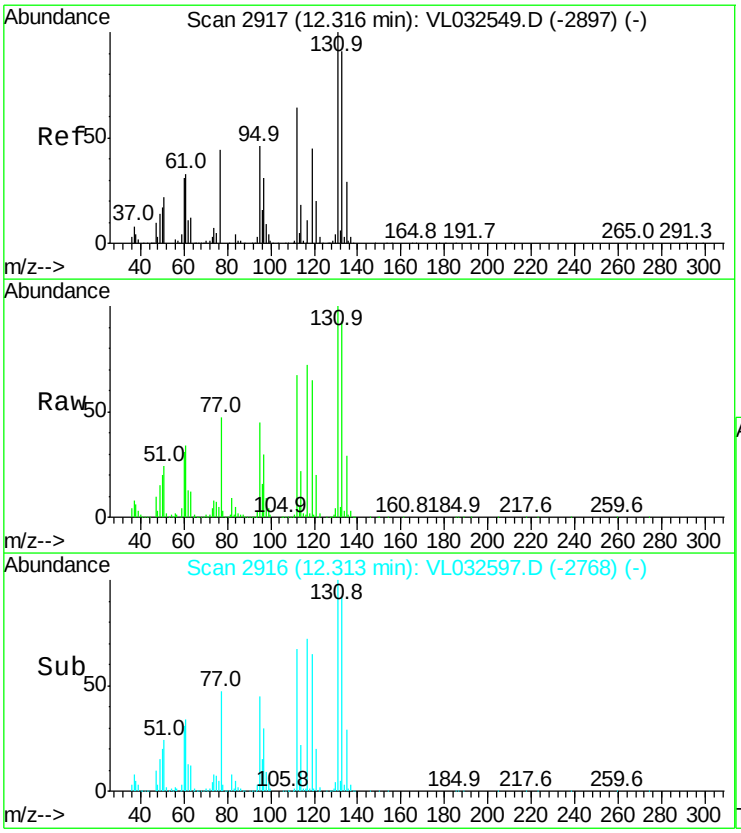
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4028497

Ion	Ratio	Lower	Upper
117	100		
82	52.4	53.0	79.6#
119	26.1	45.9	68.9#

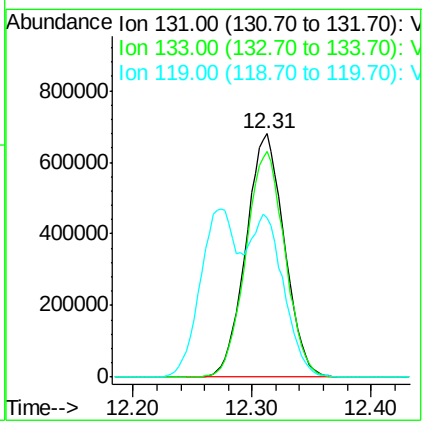


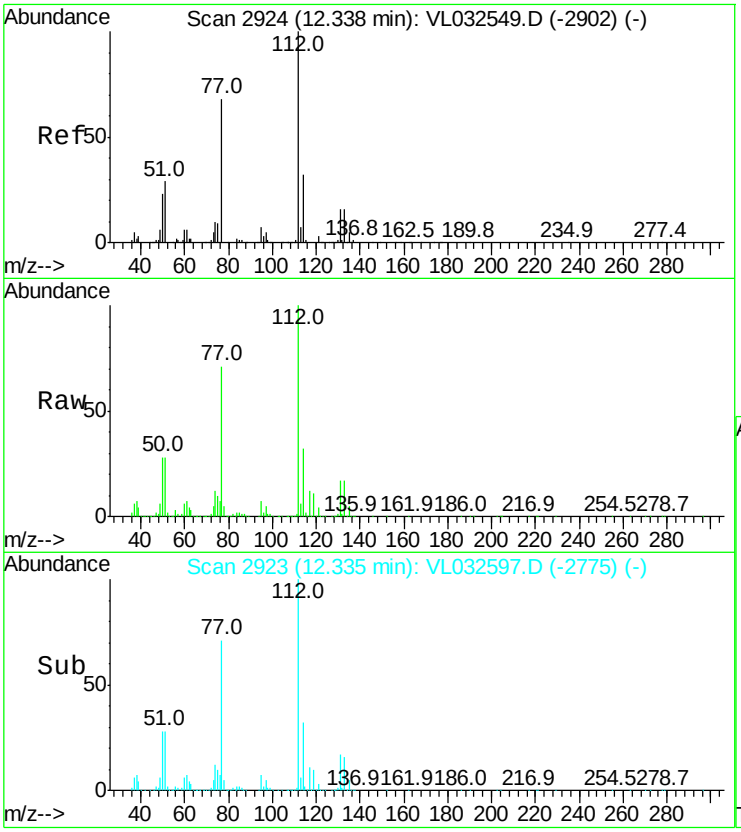


#56
1,1,1,2-Tetrachloroethane
Concen: 8.383 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:131 Resp: 1518034

Ion	Ratio	Lower	Upper
131	100		
133	94.4	77.0	115.4
119	58.7	114.2	171.2#



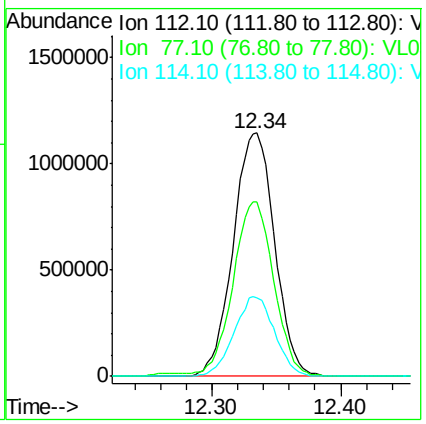


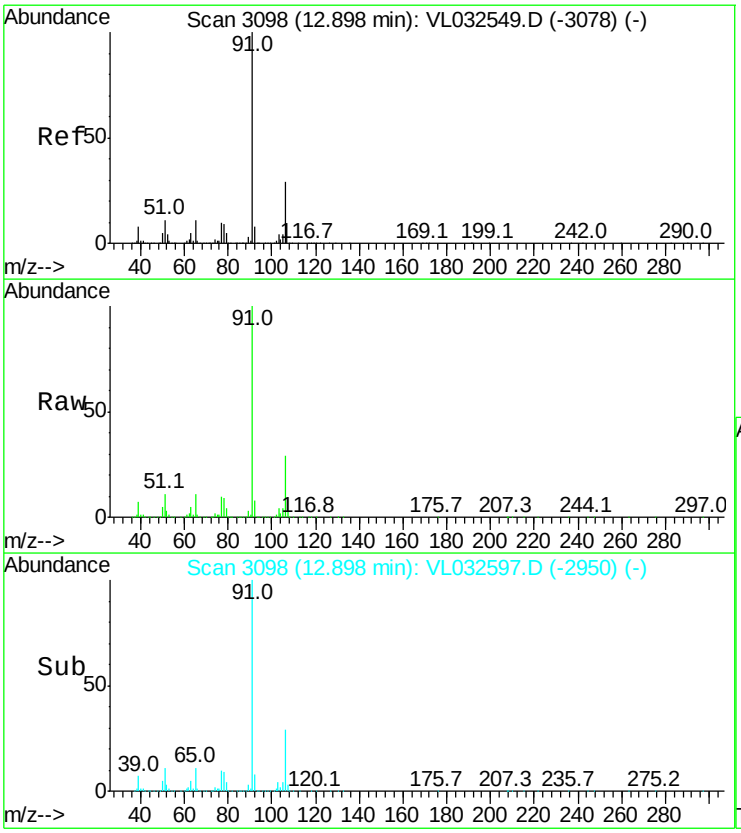
#57
Chlorobenzene
Concen: 7.836 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 2542825

Ion	Ratio	Lower	Upper
112	100		
77	71.3	56.1	84.1
114	32.3	27.8	34.0

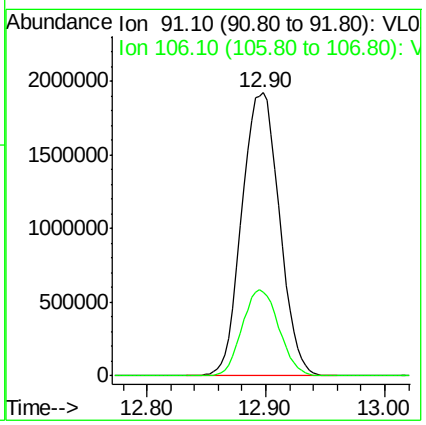


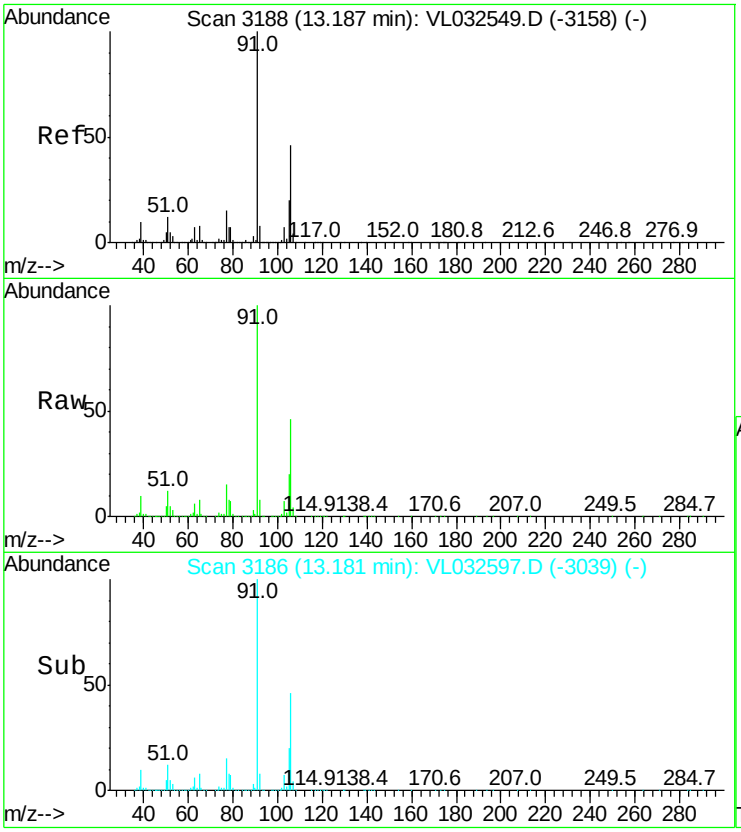


#58
Ethyl Benzene
Concen: 8.617 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 4210590

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.8	37.2



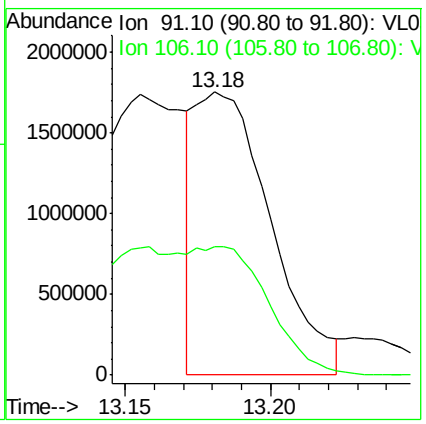


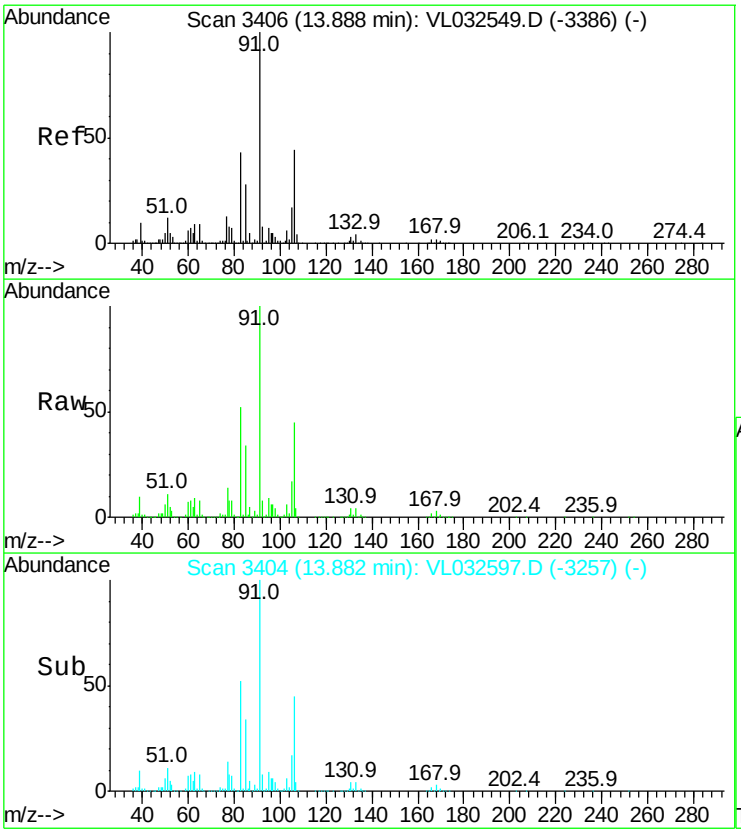
#59
m/p-Xylene
Concen: 7.275 ppbv
RT: 13.18 min Scan# 3186
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3162851

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

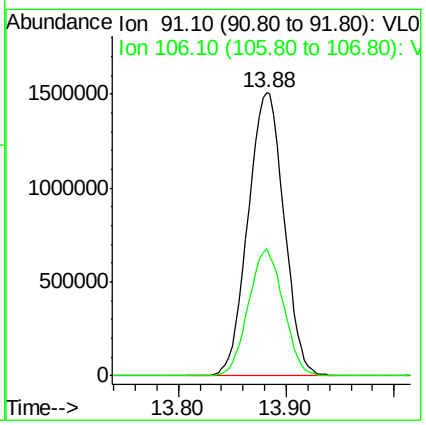


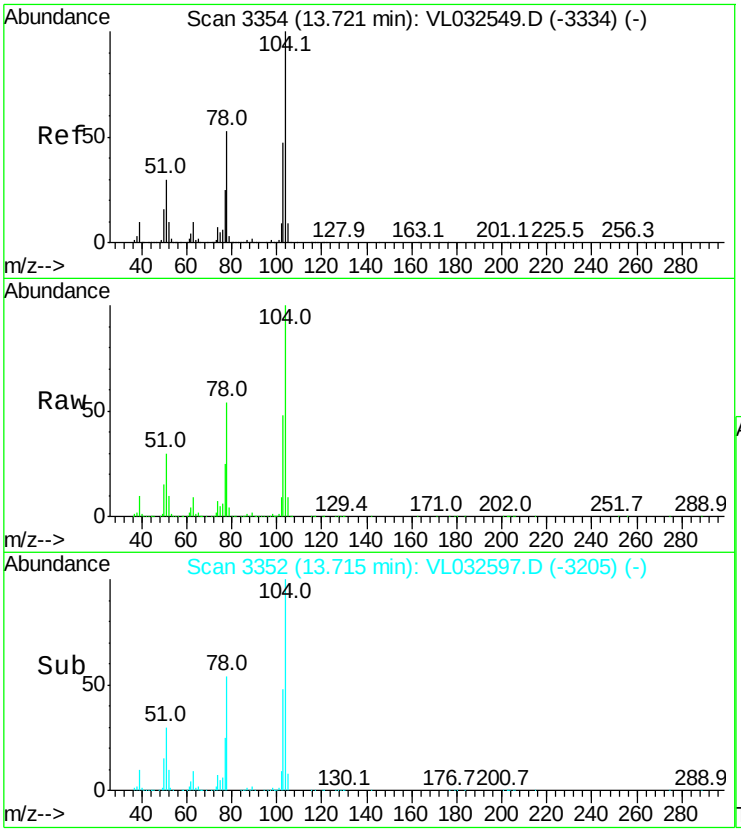


#60
o-Xylene
Concen: 8.241 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 3488536

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.9	65.7



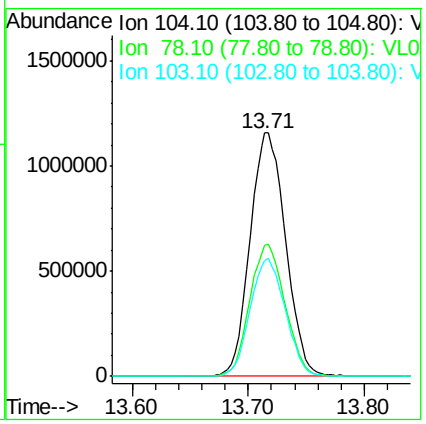


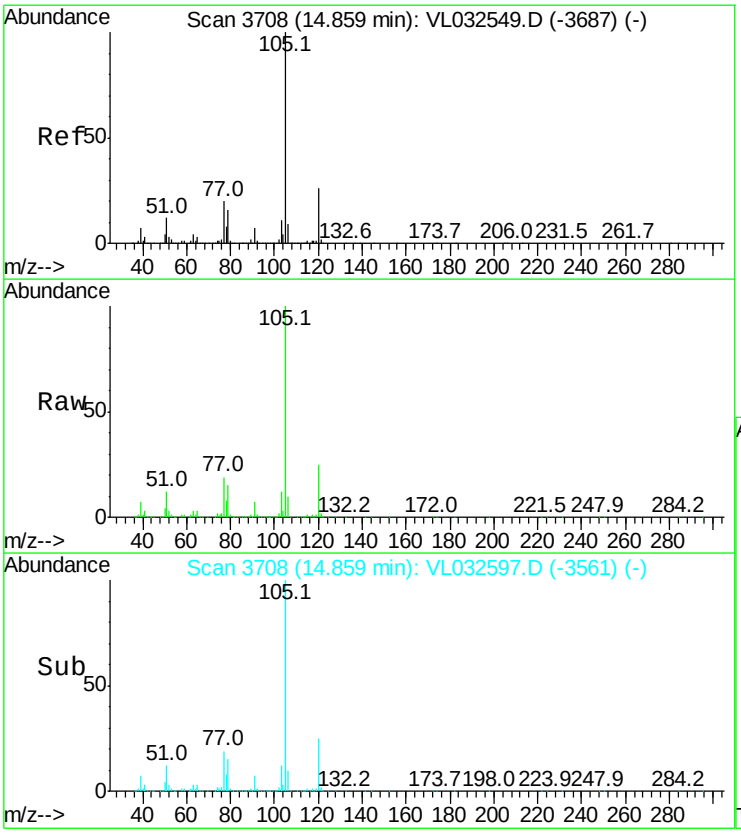
#61
Styrene
Concen: 8.923 ppbv
RT: 13.71 min Scan# 3352
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 2470893

Ion	Ratio	Lower	Upper
104	100		
78	53.8	41.8	62.8
103	47.8	38.0	57.0

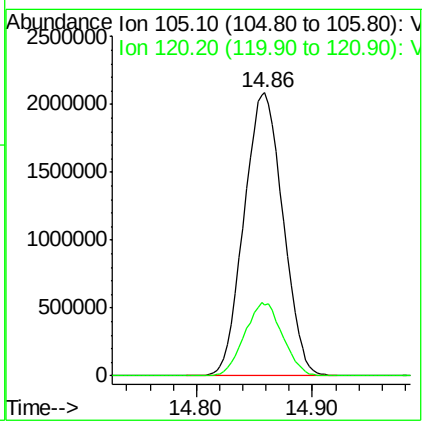


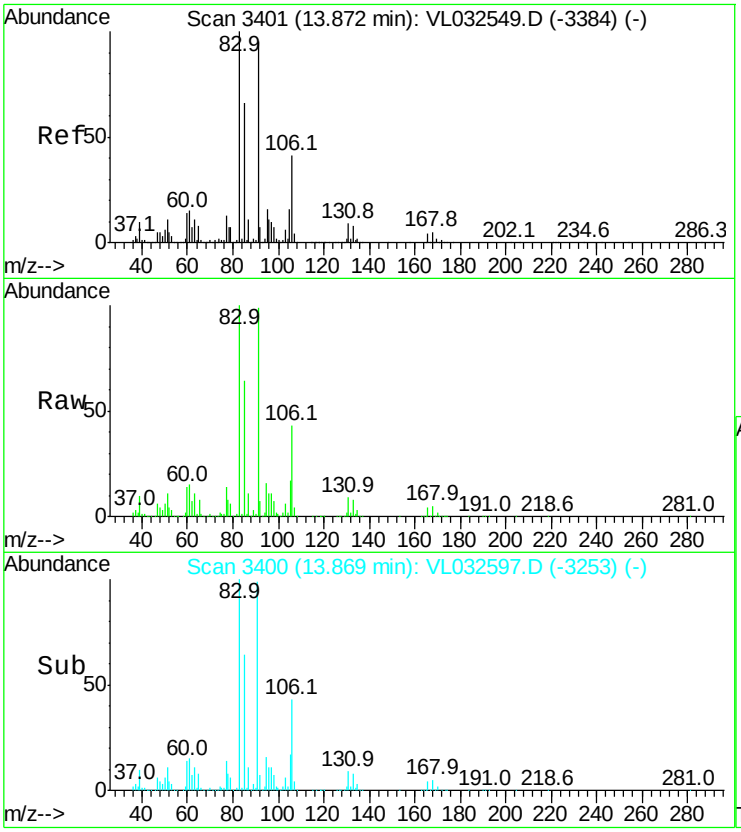


#62
Isopropylbenzene
Concen: 8.136 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:105 Resp: 4870597

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0



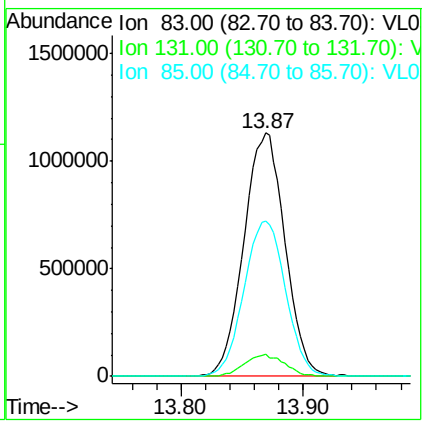


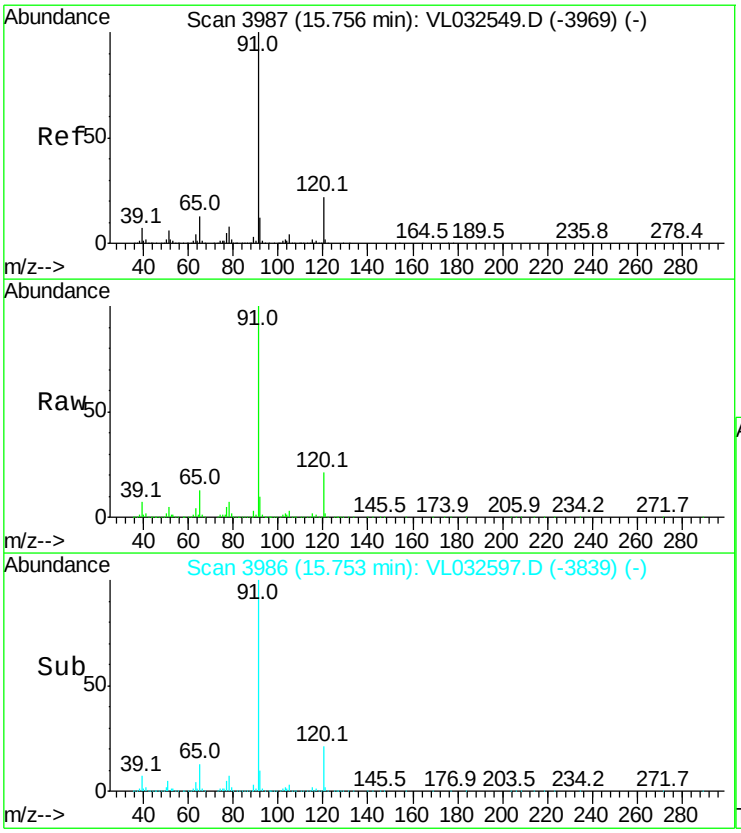
#63
1,1,2,2-Tetrachloroethane
Concen: 7.014 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2637543

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.3	12.8
85	64.9	32.3	96.8

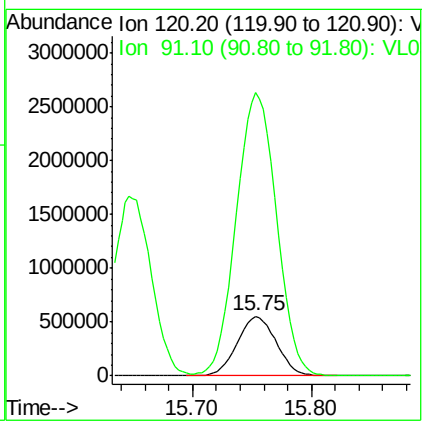


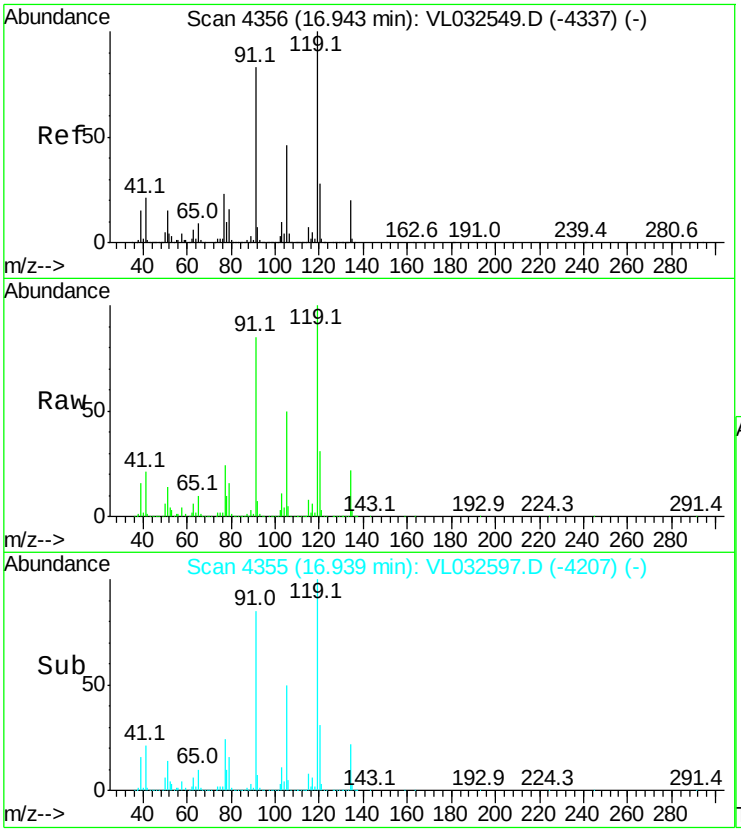


#64
n-propylbenzene
Concen: 8.146 ppbv
RT: 15.75 min Scan# 3986
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:120 Resp: 1252819

Ion	Ratio	Lower	Upper
120	100		
91	492.9	381.8	572.6



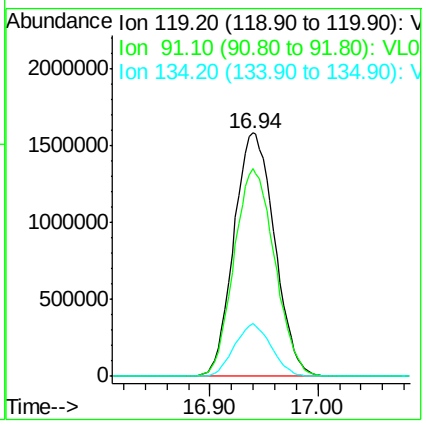


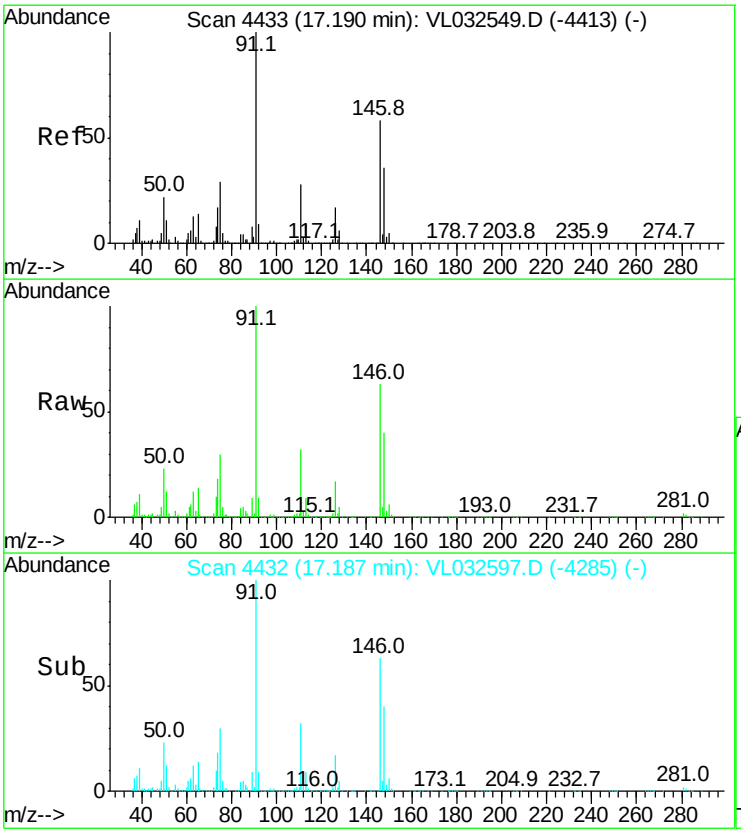
#65
tert-Butylbenzene
Concen: 8.069 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 4140240

Ion	Ratio	Lower	Upper
119	100		
91	85.5	66.5	99.7
134	19.7	16.0	24.0

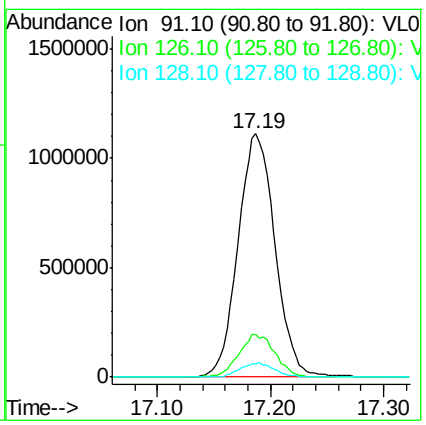


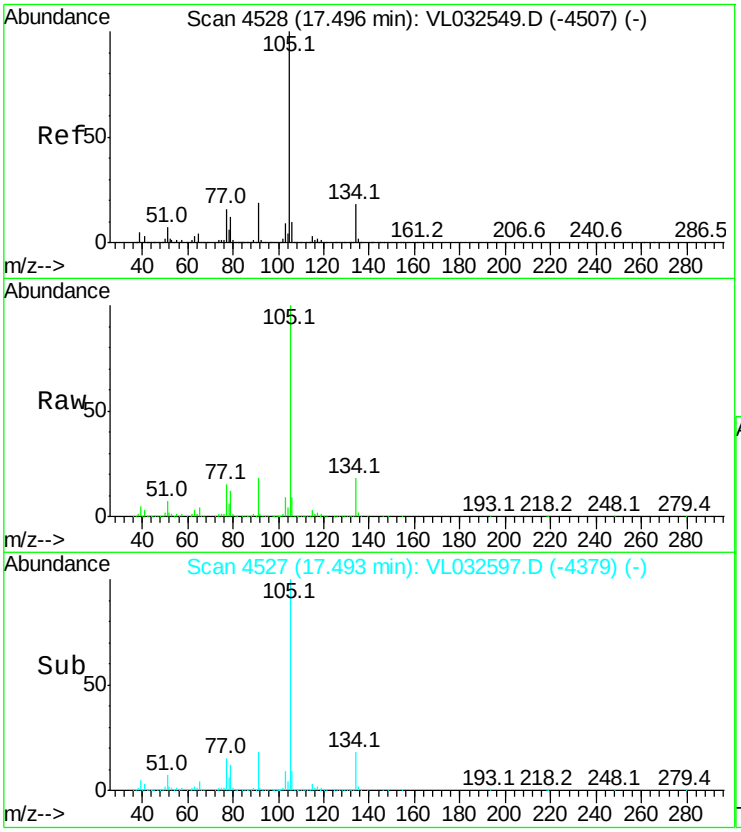


#66
Benzyl Chloride
Concen: 8.524 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 2520657

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.8
128	5.5	4.4	6.6



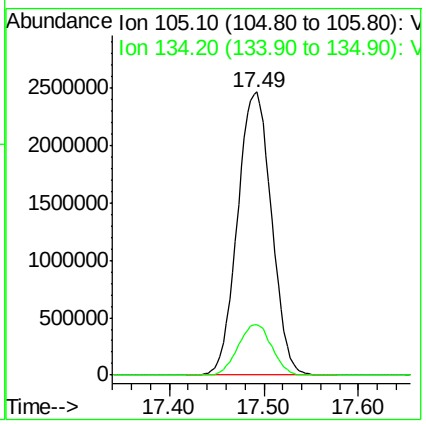


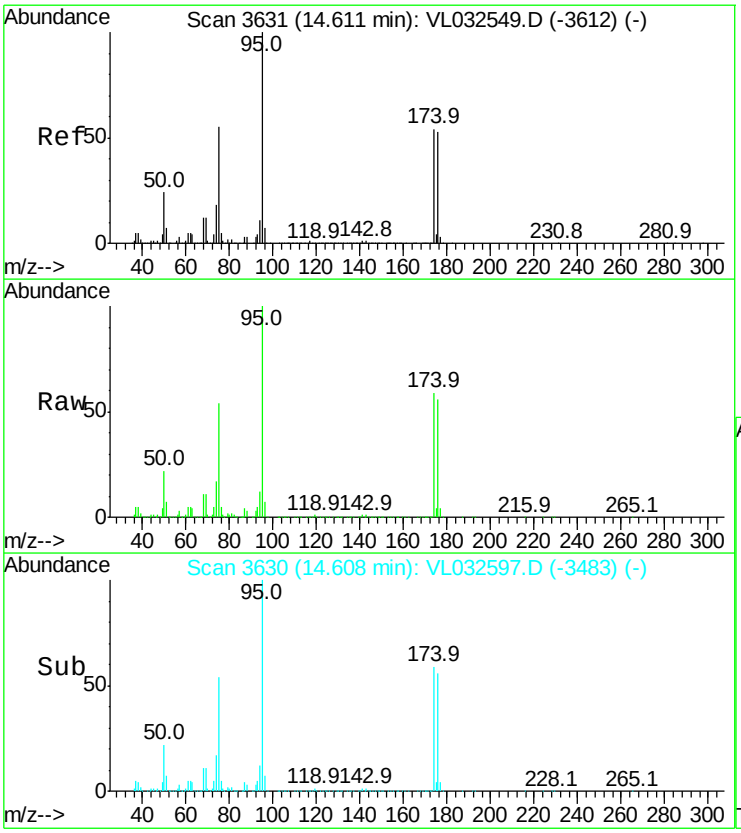
#67
sec-Butylbenzene
Concen: 8.036 ppbv
RT: 17.49 min Scan# 4527
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 6130373

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.4	21.6

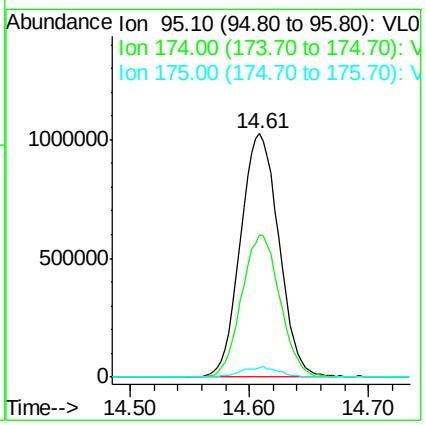


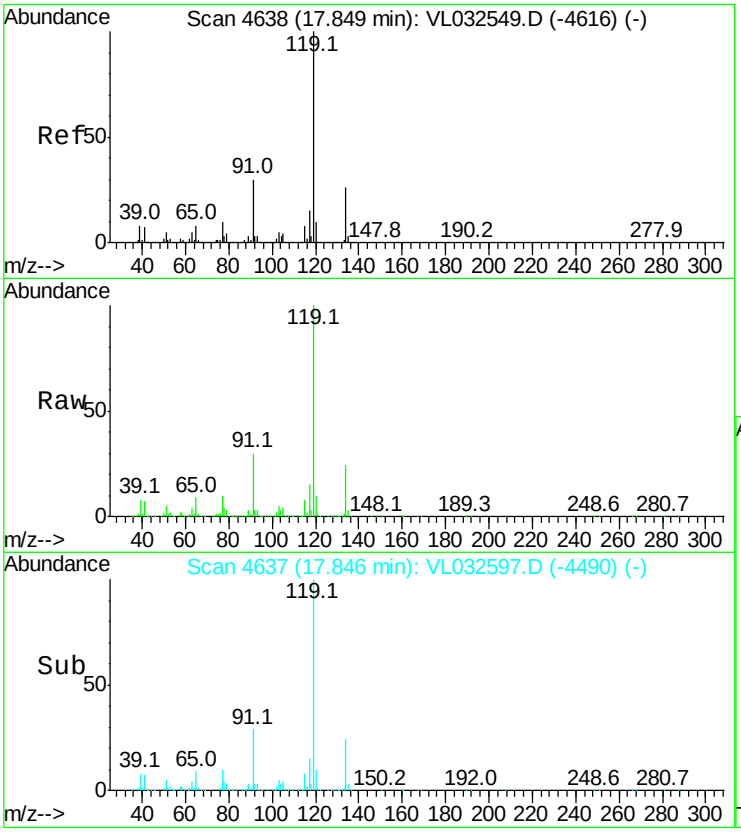


#68
1-Bromo-4-Fluorobenzene
Concen: 7.529 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 95 Resp: 2287366

Ion	Ratio	Lower	Upper
95	100		
174	58.7	46.3	69.5
175	4.1	3.4	5.0



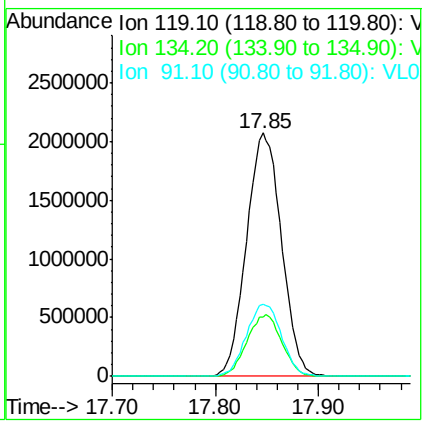


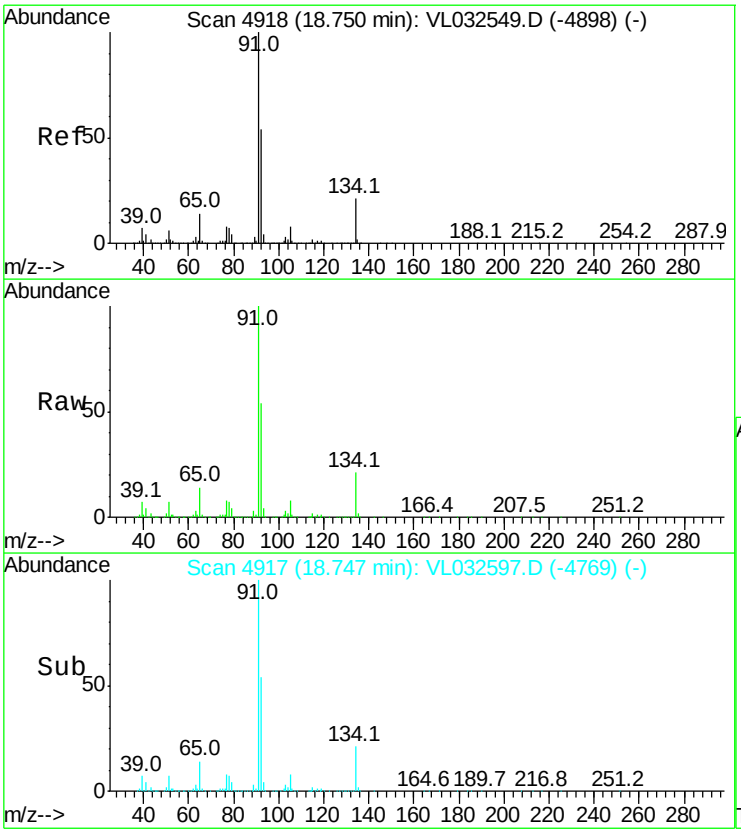
#69
p-Isopropyltoluene
Concen: 8.265 ppbv
RT: 17.85 min Scan# 4637
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 4870090

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.9	23.4	35.2

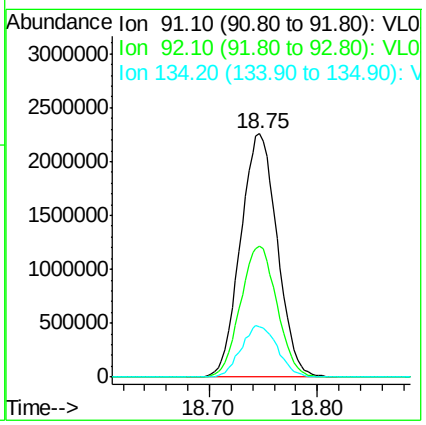


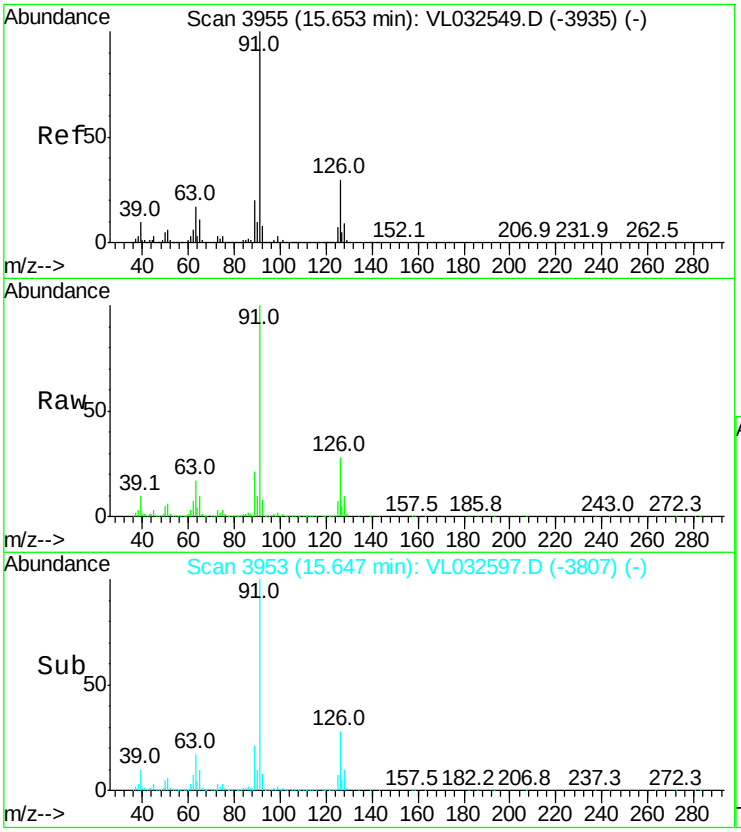


#70
n-Butylbenzene
Concen: 8.275 ppbv
RT: 18.75 min Scan# 4917
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 5325695

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.8	65.8
134	21.1	17.4	26.0



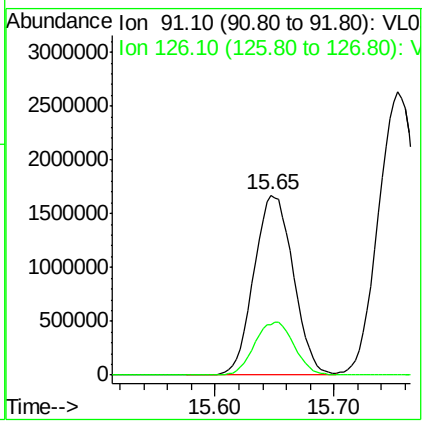


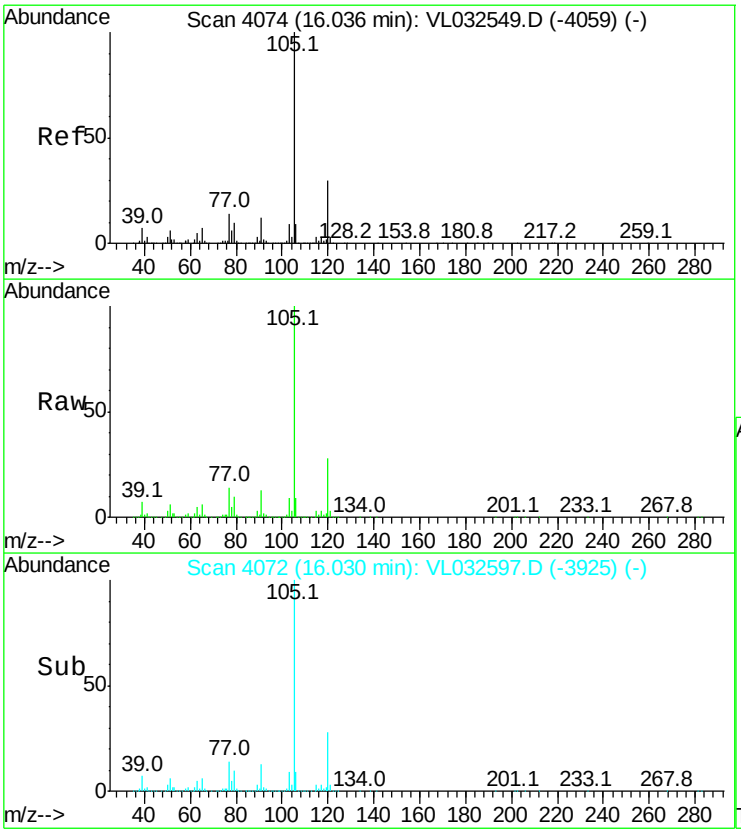
#71
2-Chlorotoluene
Concen: 8.400 ppbv
RT: 15.65 min Scan# 3953
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3829906

Ion	Ratio	Lower	Upper
91	100		
126	29.7	11.9	47.7

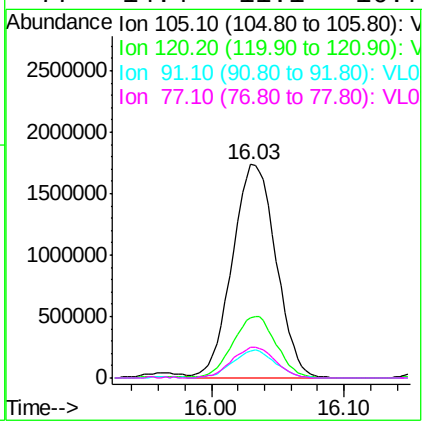


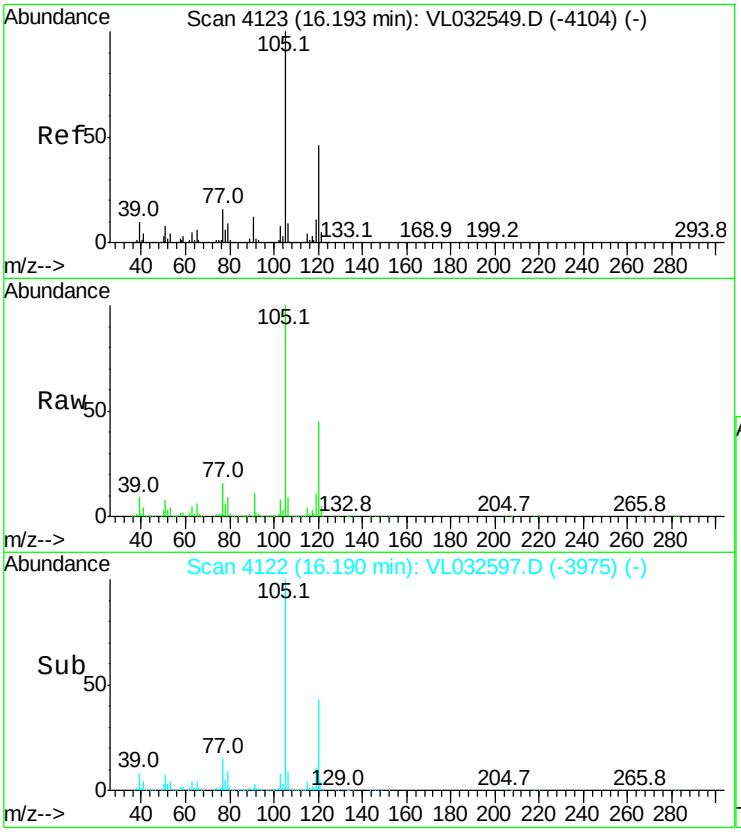


#72
4-Ethyltoluene
Concen: 8.653 ppbv
RT: 16.03 min Scan# 4072
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:105 Resp: 3975432

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.5	35.3
91	13.0	10.2	15.2
77	14.4	11.1	16.7



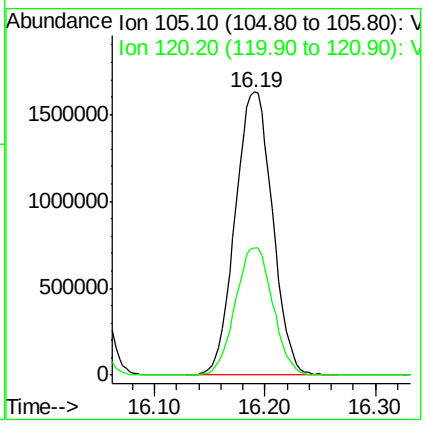


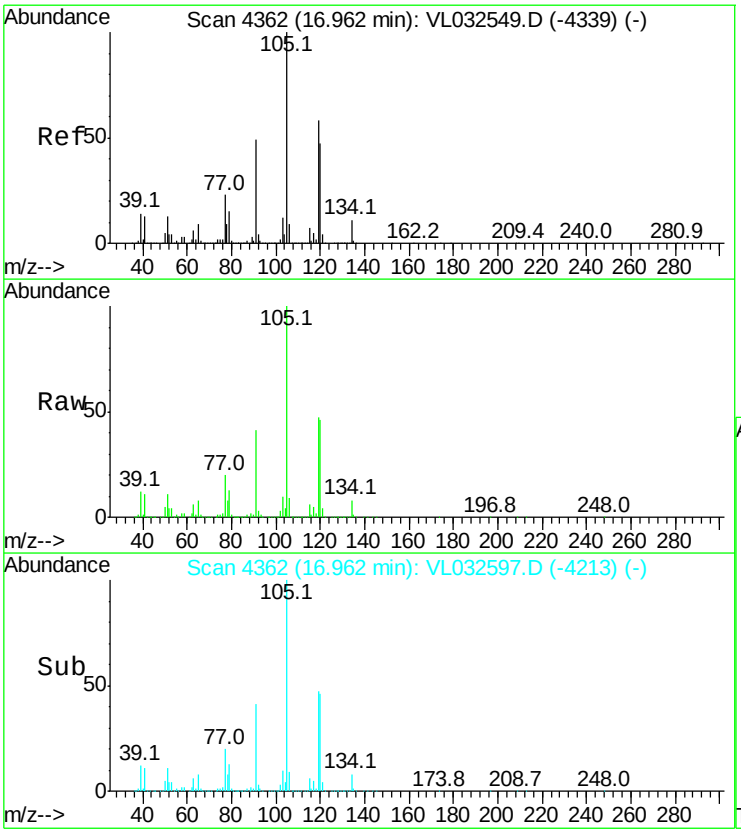
#73
1,3,5-Trimethylbenzene
Concen: 8.517 ppbv
RT: 16.19 min Scan# 4122
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3803135

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.9	56.9

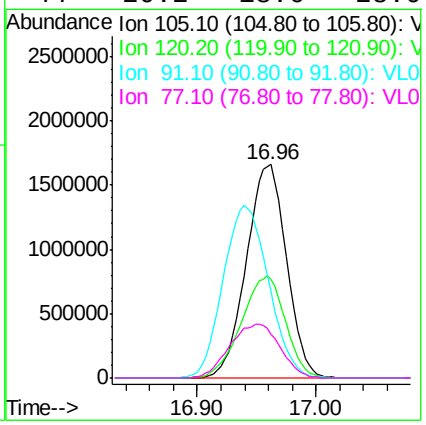


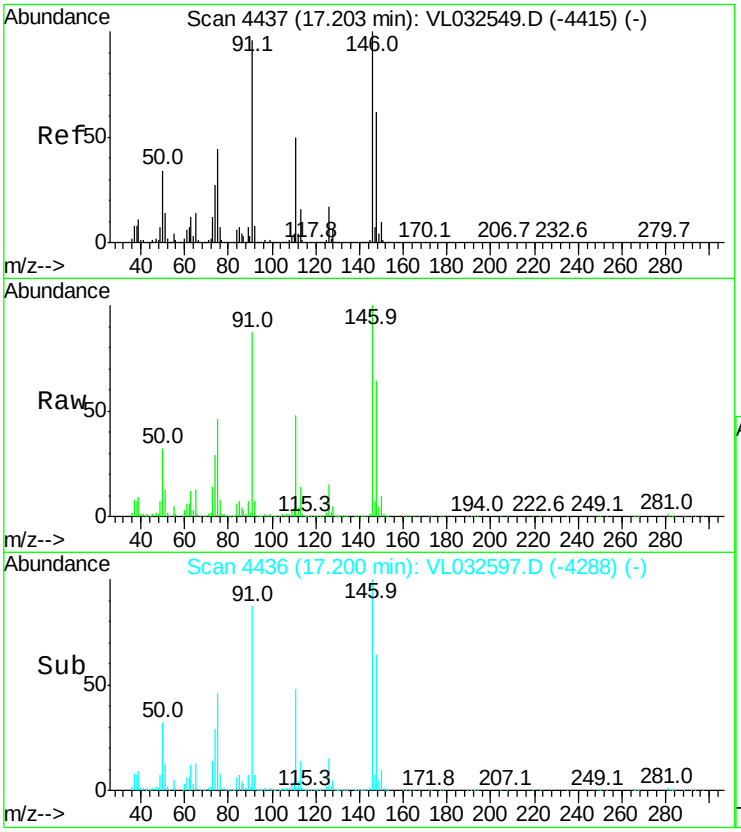


#74
1,2,4-Trimethylbenzene
Concen: 8.055 ppbv
RT: 16.96 min Scan# 4362
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:105 Resp: 3872847

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.8	56.8
91	40.6	41.4	62.0#
77	20.2	18.6	28.0



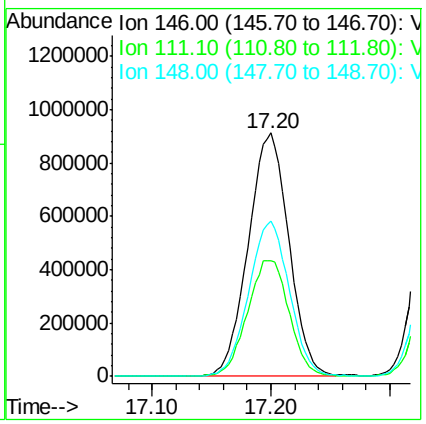


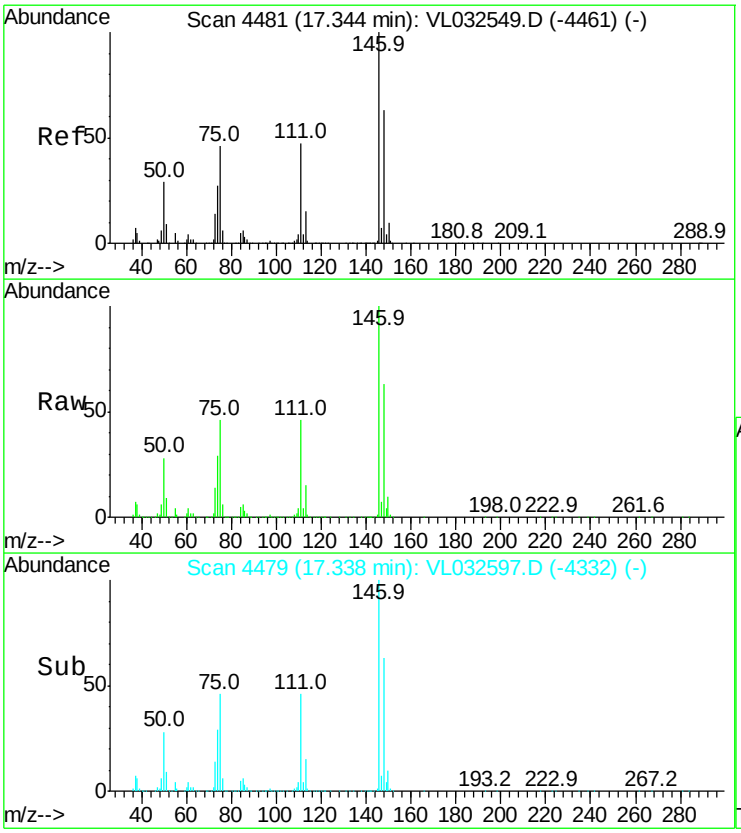
#75
1,3-Dichlorobenzene
Concen: 7.265 ppbv
RT: 17.20 min Scan# 4436
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 2155181

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.5	73.5
148	64.0	32.0	96.2

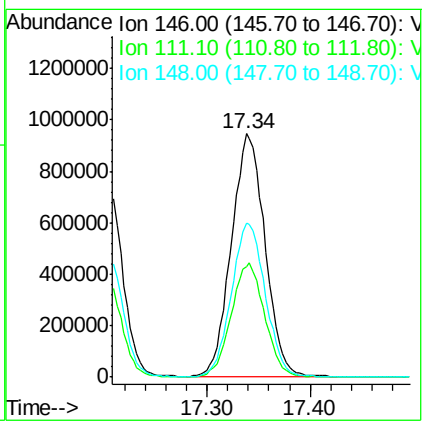


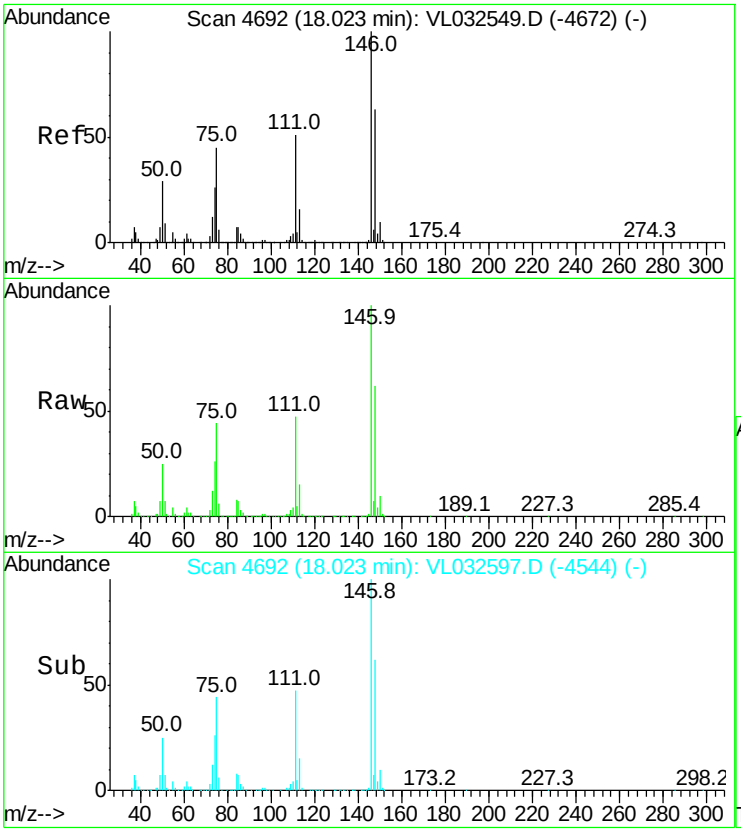


#76
1,4-Dichlorobenzene
Concen: 7.895 ppbv
RT: 17.34 min Scan# 4479
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:146 Resp: 2144534

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.2
148	64.0	32.0	96.2



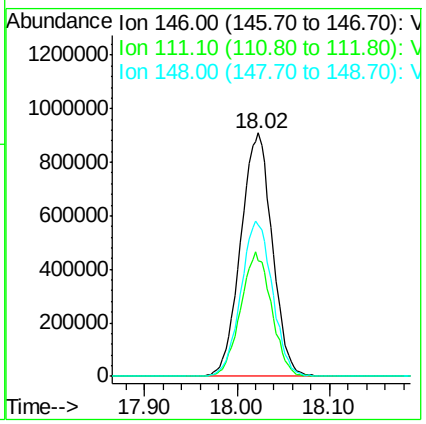


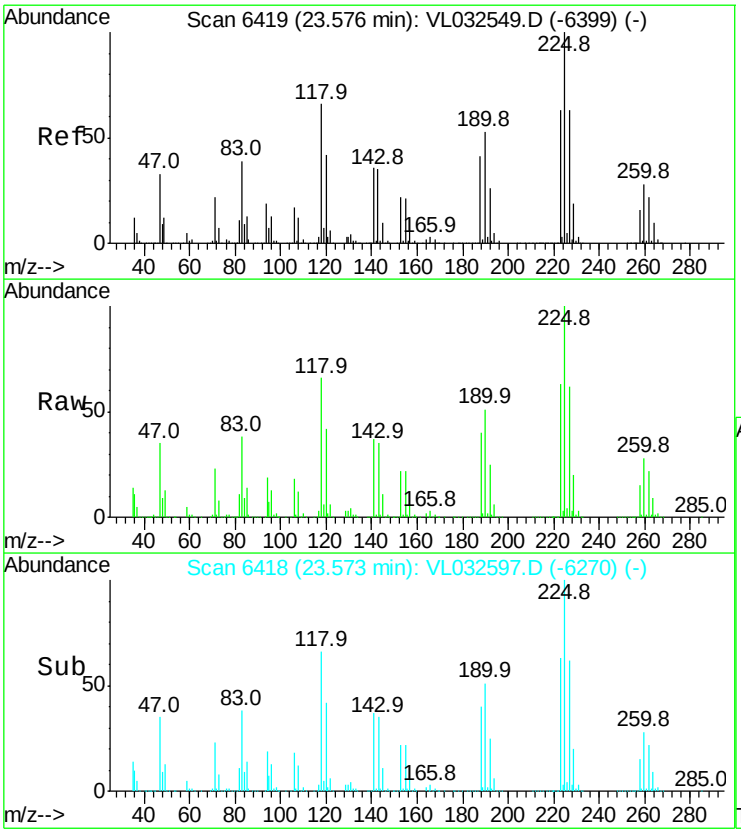
#77
1,2-Dichlorobenzene
Concen: 7.680 ppbv
RT: 18.02 min Scan# 4692
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 2142721

Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	64.0	32.0	96.0

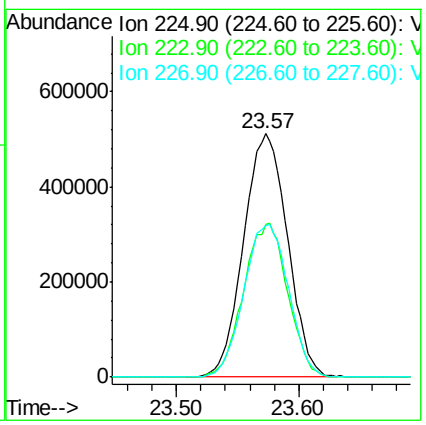


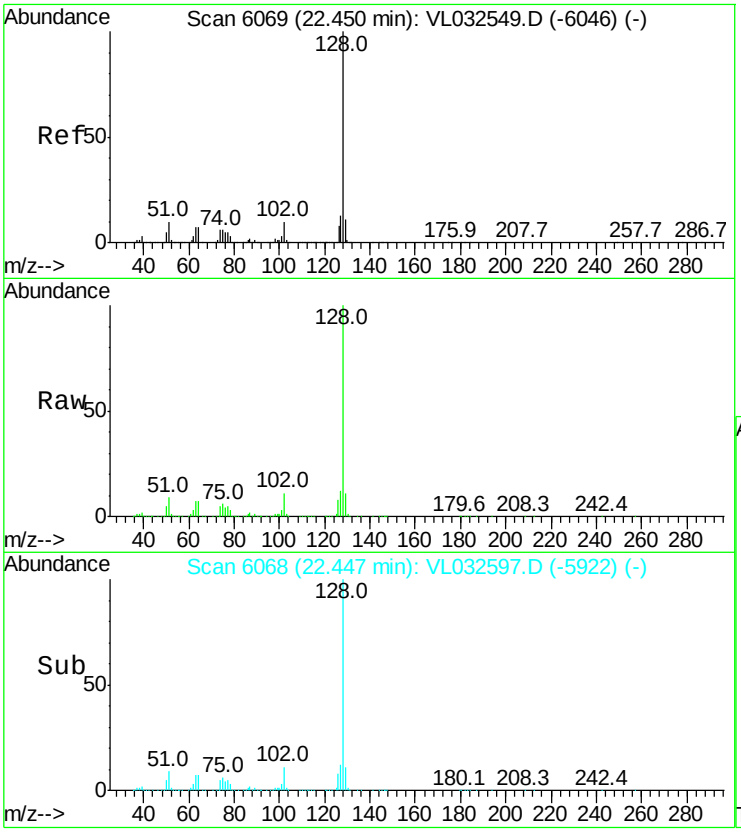


#78
Hexachloro-1,3-Butadiene
Concen: 12.165 ppbv
RT: 23.57 min Scan# 6418
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:225 Resp: 1273746

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.0	51.2	76.8



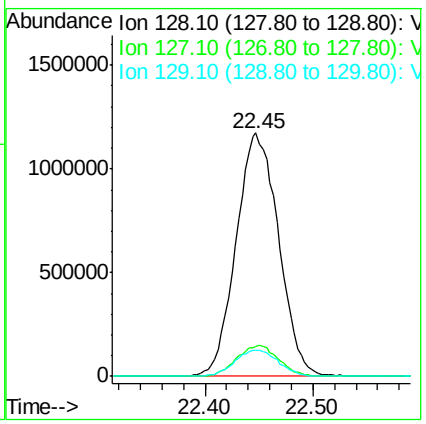


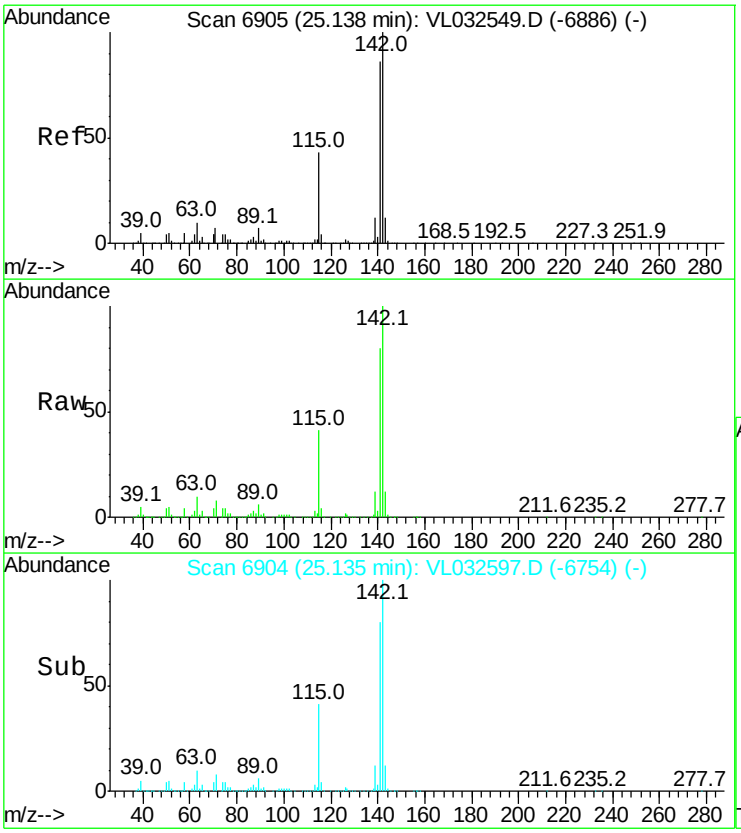
#79
Naphthalene
Concen: 9.227 ppbv
RT: 22.45 min Scan# 6068
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3199375

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.6	8.5	12.7

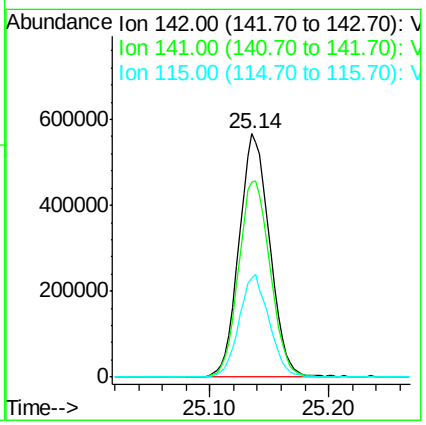


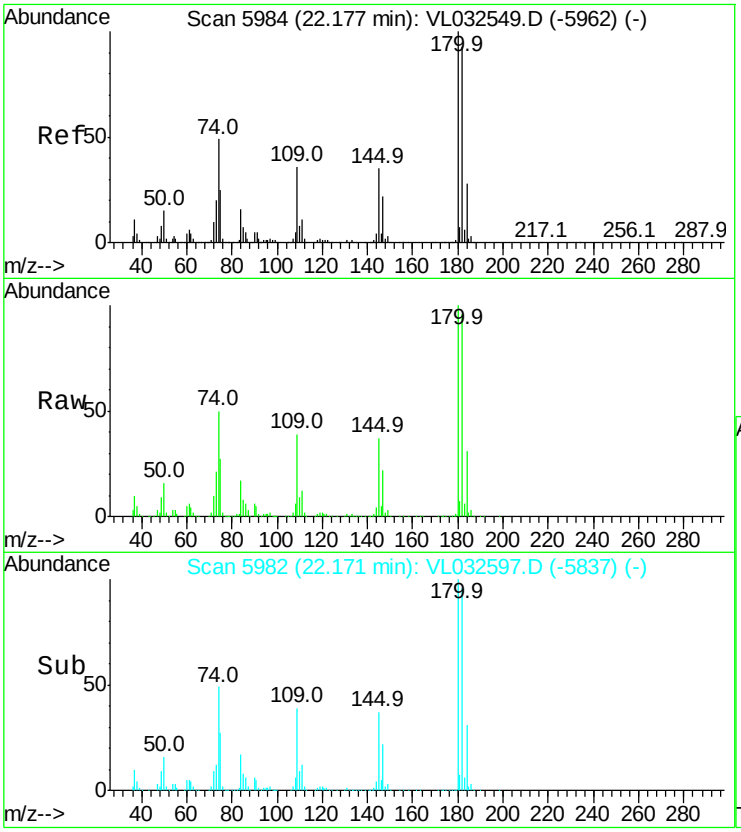


#80
Naphthalene,2-methyl-
Concen: 12.416 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:142 Resp: 1010758

Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.0	100.6
115	41.2	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 8.638 ppbv
RT: 22.17 min Scan# 5982
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1535112

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.4	23.8	35.8