Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\

Quantitation Report (Not Reviewed)

Data File : VL032599.D
Acq On : 11 Oct 2018 9:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 12 01:46:51 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	1576044	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3611928	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	4811655	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2849410	7.85	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1795293	12.315	ppbv		99
3) Chlorodifluoromethane	3.03	51	1109446	8.465	ppbv		95
4) Chloromethane	3.19	50	625381	8.183	ppbv		97
5) Vinyl Chloride	3.31	62	646764	8.375	ppbv		100
6) Bromomethane	3.53	94	400320	9.479	ppbv		98
7) Chloroethane	3.62	64	250483	9.104	ppbv		98
8) Dichlorotetrafluoroethane	3.24	85	1484040	9.318	ppbv		97
9) Propene	3.05	41	450152	7.916	ppbv		100
10) Heptane	8.28	43	1866272	8.948	ppbv		96
11) Trichlorofluoromethane	4.02	101	1670391	9.639	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1415849	9.995	ppbv		99
13) Ethanol	3.67	45	135667	7.937	ppbv		96
14) Bromoethene	3.81	108	499506	9.938	ppbv		100
15) Acetone	3.92	43	1164114	8.415	ppbv		99
16) 1,3-Butadiene	3.38	39	525878	9.373	ppbv		97
17) tert-Butyl alcohol	4.38	59	153850	8.850	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	696017	10.492	ppbv		93
19) Isopropyl Alcohol	4.04	45	885307	9.187	ppbv		99
20) Methylene Chloride	4.43	84	603767	9.013	ppbv		98
21) Allyl Chloride	4.50	41	1107736	9.797	ppbv		97
22) trans-1,2-Dichloroethene	4.98	96	665558	10.645	ppbv		96
23) Vinyl Acetate	5.18	43	1901980	7.780	ppbv		99
24) 1,1-Dichloroethane	5.12	63	1809318	8.888	ppbv		99
25) Ethyl Acetate	5.80	43	2992244	8.914	ppbv		99
26) Hexane	5.80	57	1404190	9.261	ppbv		99
27) Carbon Disulfide	4.64	76	1676722	10.286	ppbv		98
28) Methyl tert-Butyl Ether	5.13	73	1684332	8.917	ppbv		97
29) Chloroform	5.88	83	2226337	9.569	ppbv		99
30) Cyclohexane	7.28	84	1203871	9.751	ppbv		95
31) cis-1,2-Dichloroethene	5.67	61	1344154	9.308	ppbv		95
32) 1,1,1-Trichloroethane	6.65	97	2239582	9.033	ppbv		98
34) 2-Butanone	5.35	43	1894326	8.807	ppbv		97
35) Carbon Tetrachloride	7.16	117	2331297	9.289	ppbv		99
36) Benzene	7.04	78	2883841	9.880	ppbv		99
37) 1,2-Dichloroethane	6.44	62	1746807	9.930	ppbv		98
38) Trichloroethene	7.99	130	1106329	9.902	ppbv		98
39) 1,2-Dichloropropane	7.77	63	1167489	8.875	ppbv		98
40) 1,4-Dioxane	7.98	88	430627	10.677	ppbv	#	1
41) Tetrahydrofuran	6.17	42	1116429	9.554	ppbv		94
42) Bromodichloromethane	7.95	83	2552961	9.687	ppbv		100
43) Methyl Methacrylate	8.16	69	1213673	9.953	ppbv		95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\

Quantitation Report (Not Reviewed)

Data File : VL032599.D
Acq On : 11 Oct 2018 9:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 12 01:46:51 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	5196240	9.109	ppbv		99
45) t-1,3-Dichloropropene	9.45	75	1663912	10.970	ppbv		98
46) cis-1,3-Dichloropropene	8.87	75	1841769	10.352	ppbv		97
47) 1,1,2-Trichloroethane	9.64	97	1339679	9.170	ppbv		97
48) Dibromochloromethane	10.49	129	2283745	9.941	ppbv		100
49) Bromoform	13.23	173	1811876	10.322	ppbv		100
50) 4-Methyl-2-Pentanone	8.90	43	2983047	8.823	ppbv		99
51) 2-Hexanone	10.30	43	2640453	9.443	ppbv		99
52) Tetrachloroethene	11.41	164	962056	9.466	ppbv		97
53) Toluene	9.97	91	3644918	10.247	ppbv		100
54) 1,2-Dibromoethane	10.79	107	2025143	9.745	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1646315	7.612	ppbv	#	60
57) Chlorobenzene	12.34	112	2759418	7.119	ppbv		97
58) Ethyl Benzene	12.90	91	4639262	7.949	ppbv		98
59) m/p-Xylene	13.18	91	3925730	7.560	ppbv	#	35
60) o-Xylene	13.88	91	3807039	7.530	ppbv		100
61) Styrene	13.72	104	2753870	8.327	ppbv		99
62) Isopropylbenzene	14.86	105	5347013	7.478	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2905472	6.469	ppbv		99
64) n-propylbenzene	15.75	120	1376557	7.494	ppbv		96
65) tert-Butylbenzene	16.94	119	4558032	7.438	ppbv		99
66) Benzyl Chloride	17.19	91	2771937	7.848	ppbv		100
67) sec-Butylbenzene	17.49	105	6685186	7.337	ppbv		100
69) p-Isopropyltoluene	17.85	119	5374338	7.637	ppbv		100
70) n-Butylbenzene	18.75	91	5791434	7.534	ppbv		99
71) 2-Chlorotoluene	15.65	91	4241267	7.788	ppbv		100
72) 4-Ethyltoluene	16.03	105	4397345	8.013	ppbv		99
73) 1,3,5-Trimethylbenzene	16.19	105	4213880	7.901	ppbv		96
74) 1,2,4-Trimethylbenzene	16.96	105	4252381	7.405	ppbv		98
75) 1,3-Dichlorobenzene	17.20	146	2395209	6.760	ppbv		100
76) 1,4-Dichlorobenzene	17.34	146	2361108	7.277	ppbv		99
77) 1,2-Dichlorobenzene	18.02	146	2390395	7.173	ppbv		100
78) Hexachloro-1,3-Butadiene	23.58	225	1464716	11.712	ppbv		99
79) Naphthalene	22.45	128	3777771	9.122	ppbv		100
80) Naphthalene,2-methyl-	25.14	142	1208034	12.424	ppbv		99
81) 1,2,4-Trichlorobenzene	22.17	180	1781542	8.393	ppbv		100

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

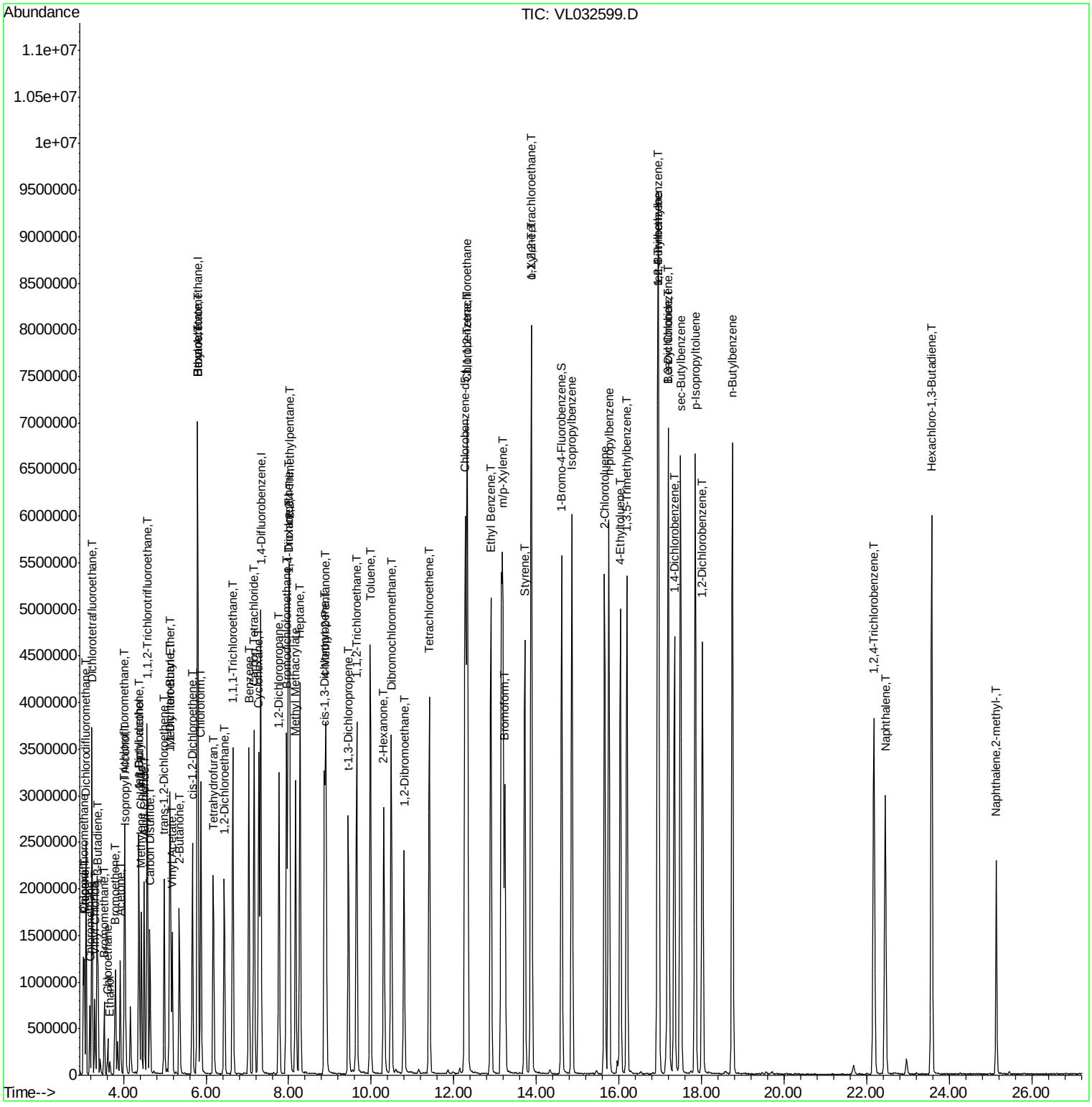
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101118\

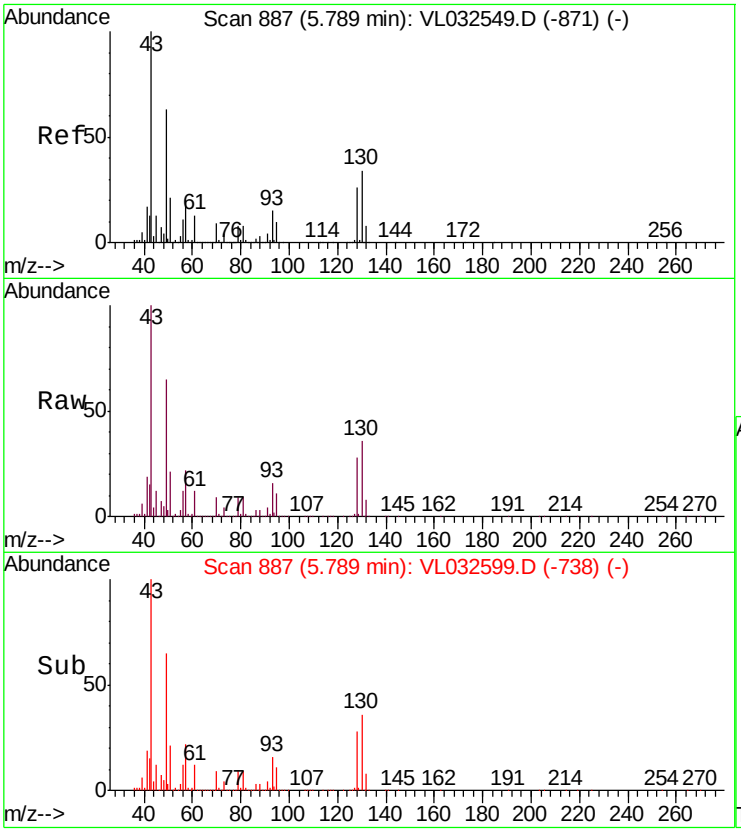
Quantitation Report (Not Reviewed)

Data File : VL032599.D
Acq On : 11 Oct 2018 9:41
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Oct 12 01:46:51 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



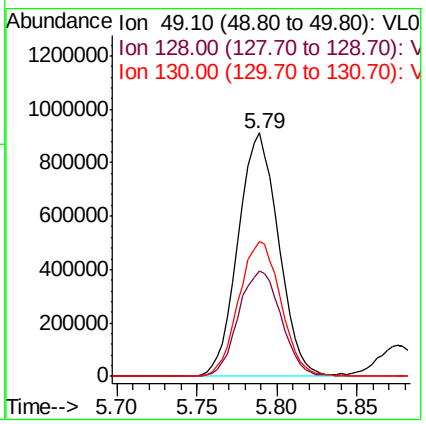


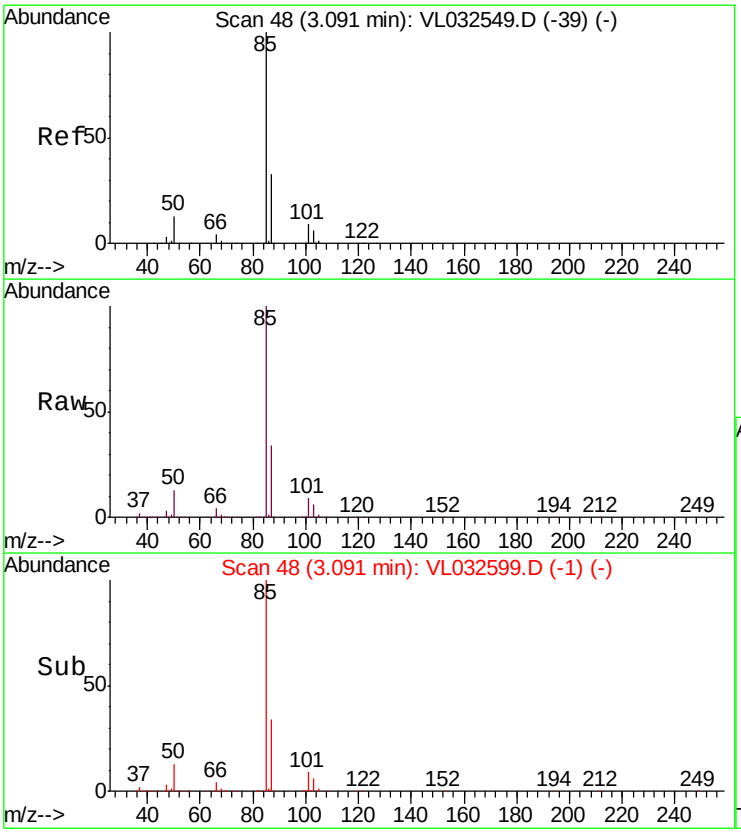
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1576044

Ion	Ratio	Lower	Upper
49	100		
128	45.8	20.7	62.1
130	57.8	26.6	79.7

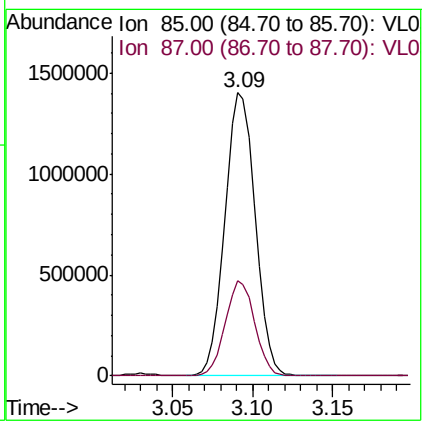


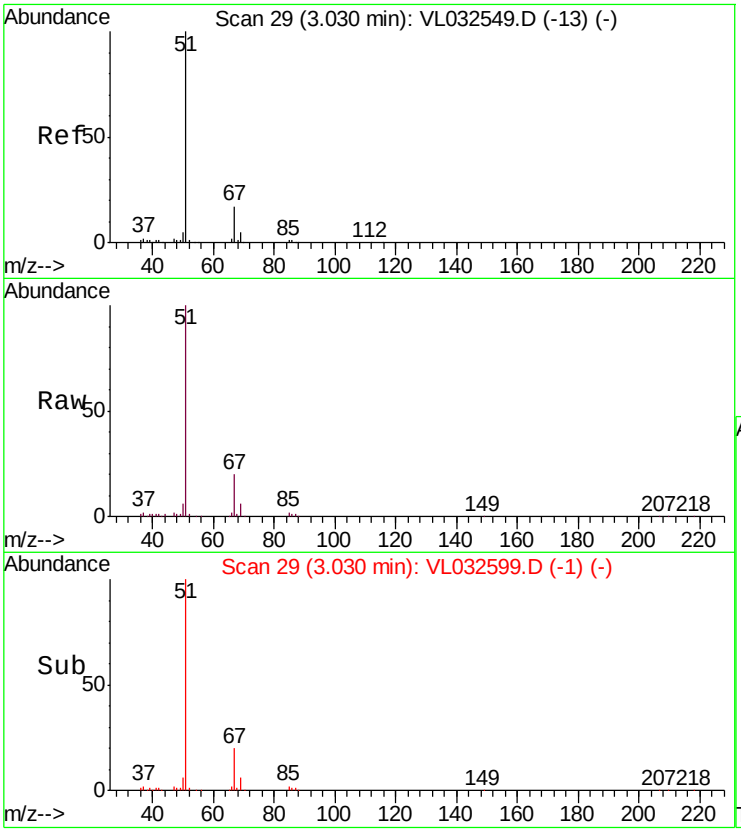


#2
Dichlorodifluoromethane
Concen: 12.315 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 85 Resp: 1795293

Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.2	39.4



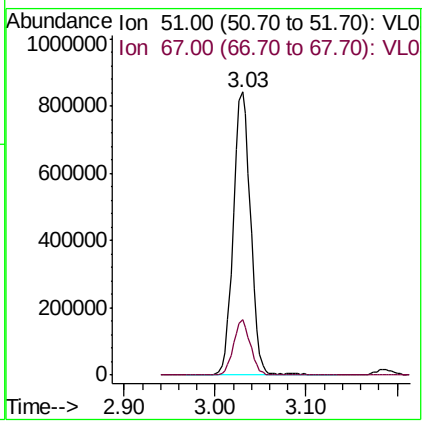


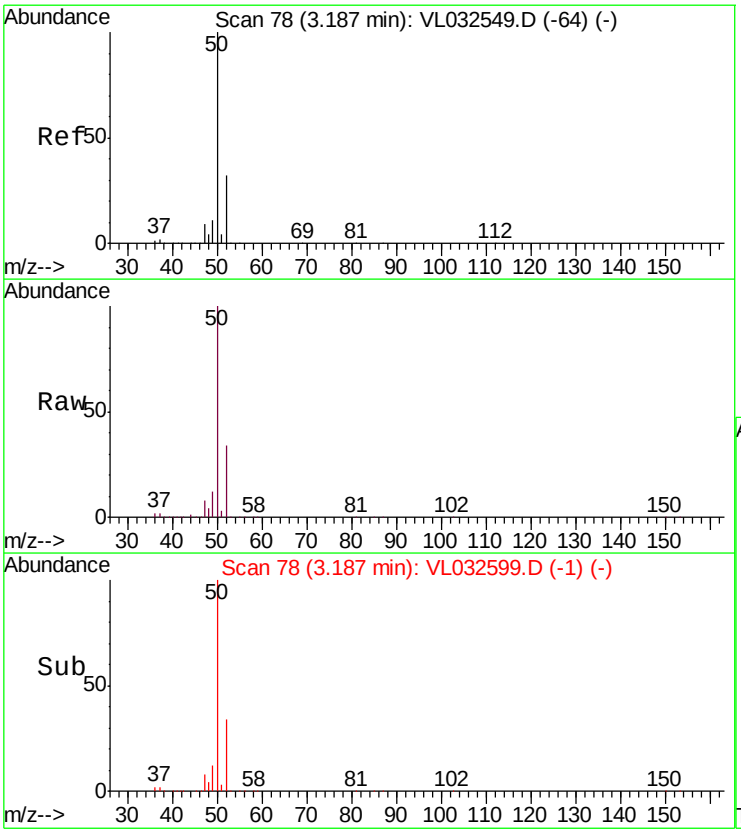
#3
Chlorodifluoromethane
Concen: 8.465 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1109446

Ion	Ratio	Lower	Upper
51	100		
67	19.3	13.8	20.8

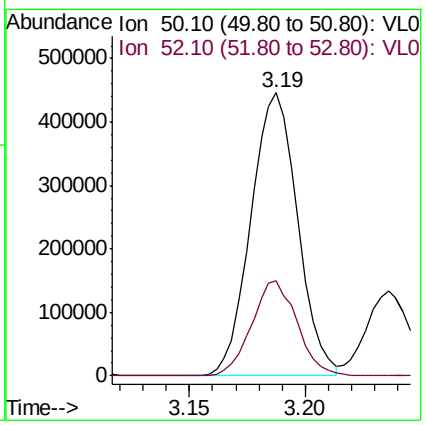


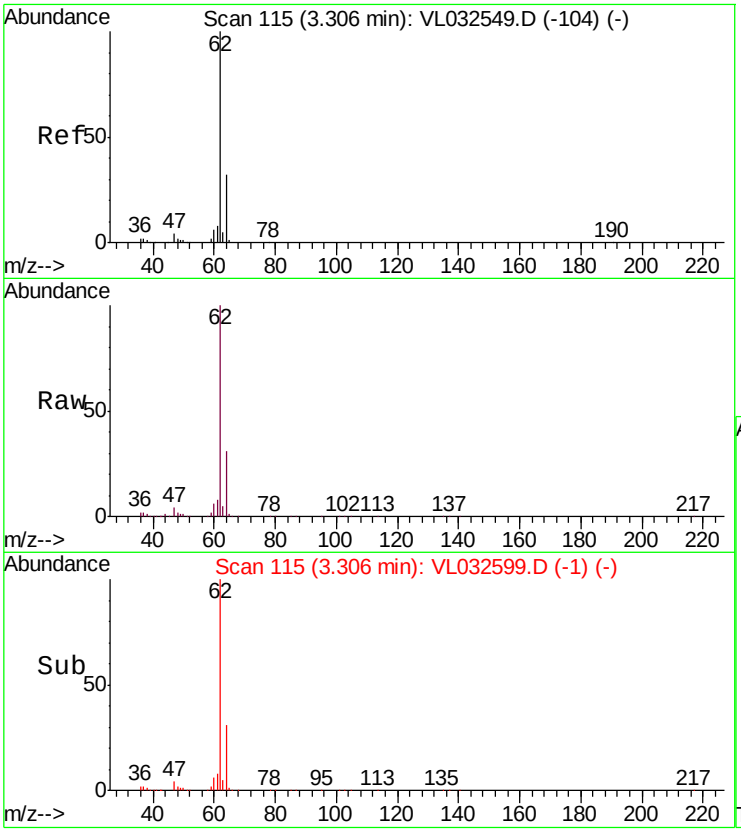


#4
Chloromethane
Concen: 8.183 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 50 Resp: 625381

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.6	38.4



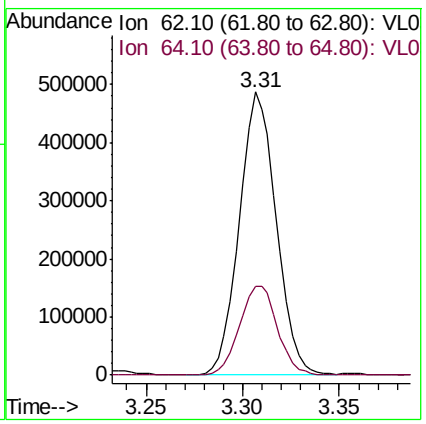


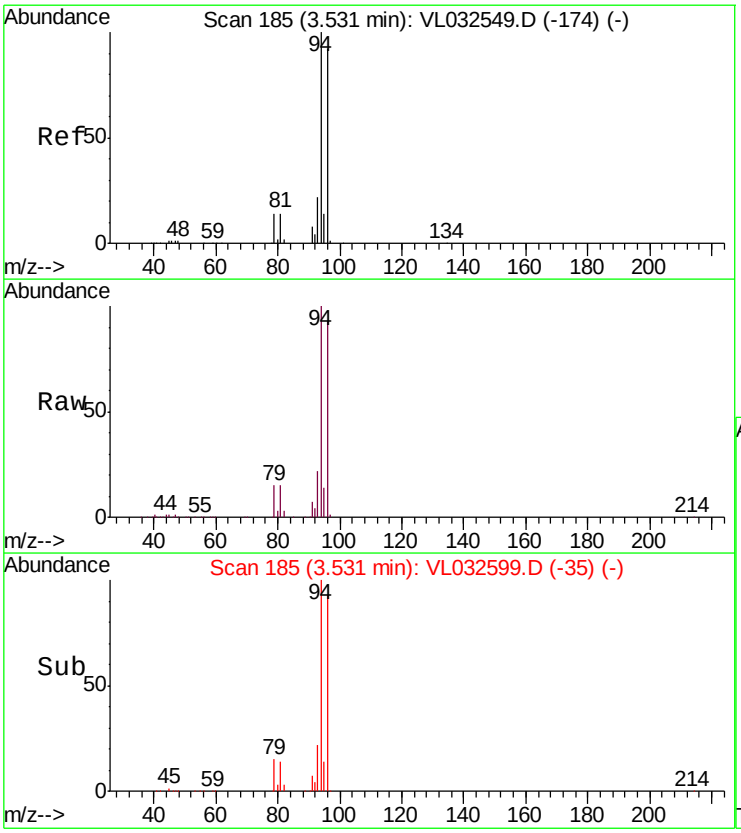
#5
Vinyl Chloride
Concen: 8.375 ppbv
RT: 3.31 min Scan# 115
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 646764

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.0	37.6

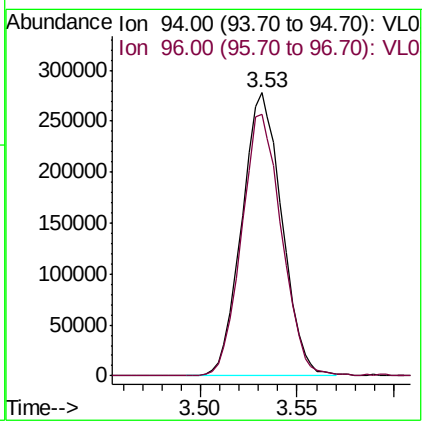


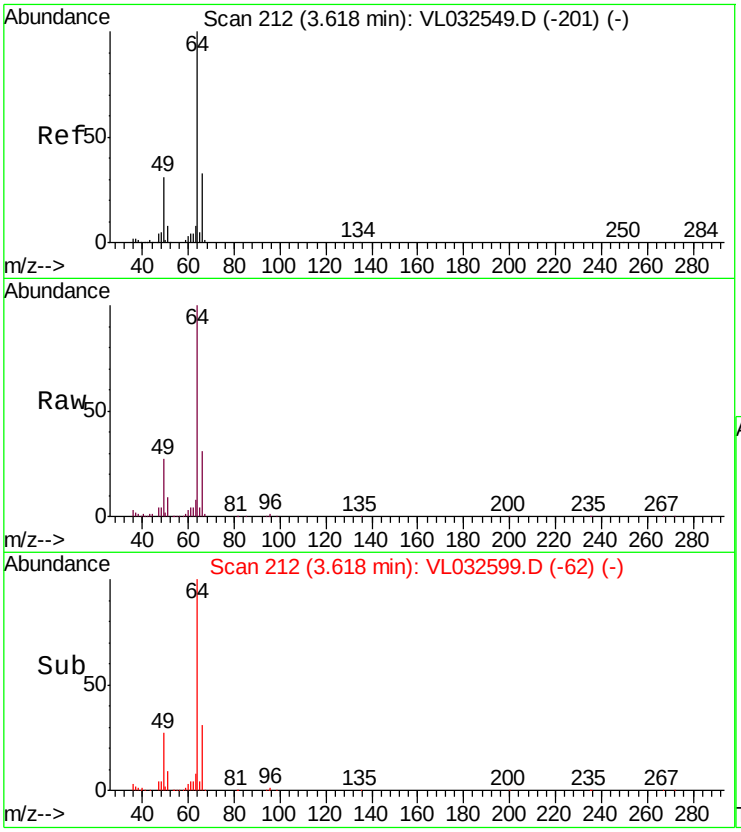


#6
Bromomethane
Concen: 9.479 ppbv
RT: 3.53 min Scan# 185
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 94 Resp: 400320

Ion	Ratio	Lower	Upper
94	100		
96	92.5	72.8	109.2



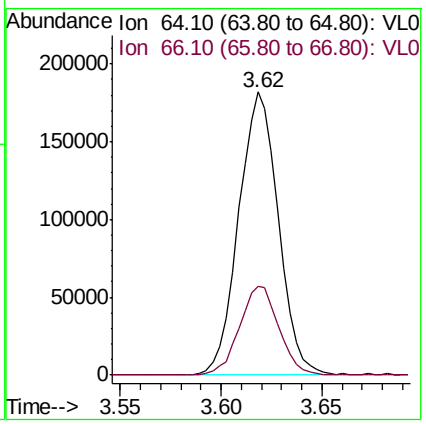


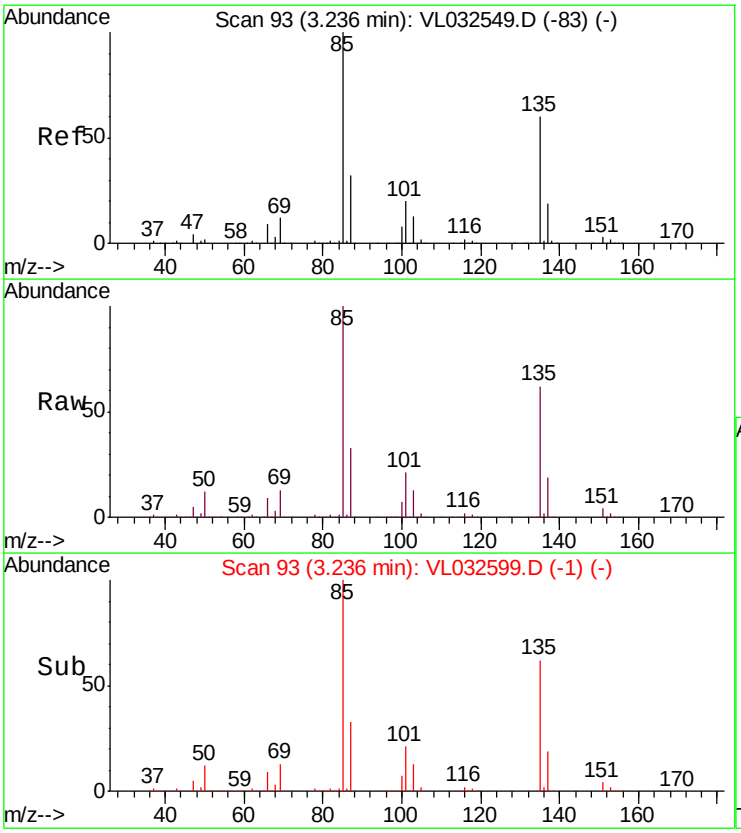
#7
Chloroethane
Concen: 9.104 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 250483

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.8	38.6

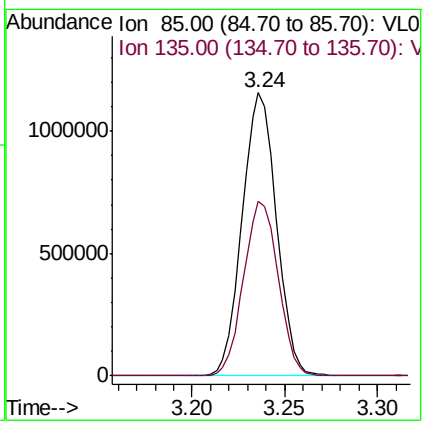


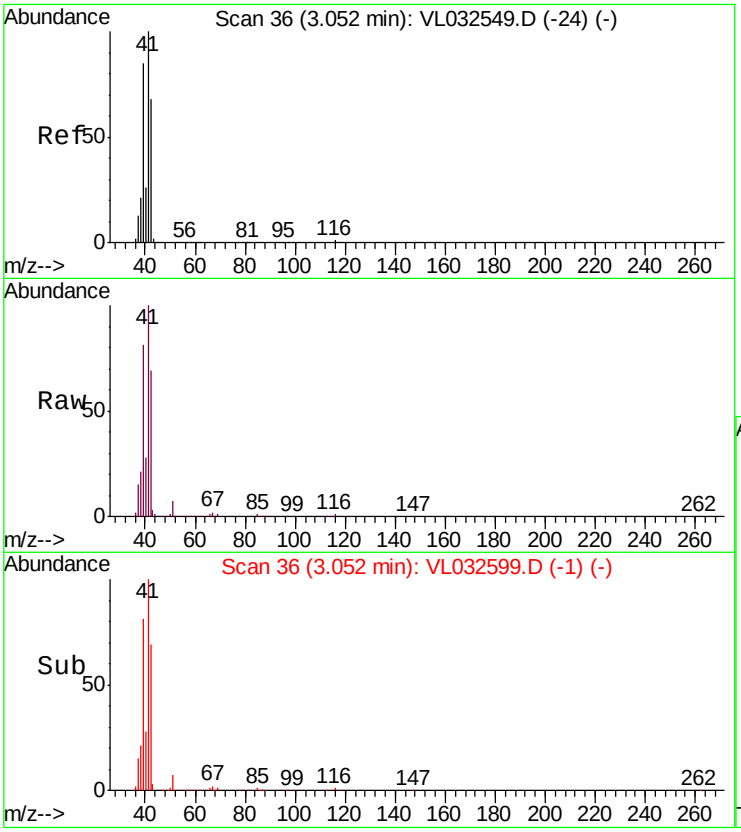


#8
Dichlorotetrafluoroethane
Concen: 9.318 ppbv
RT: 3.24 min Scan# 93
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 85 Resp: 1484040

Ion	Ratio	Lower	Upper
85	100		
135	62.8	48.6	72.8



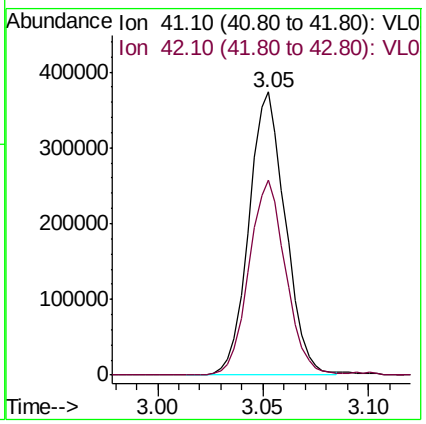


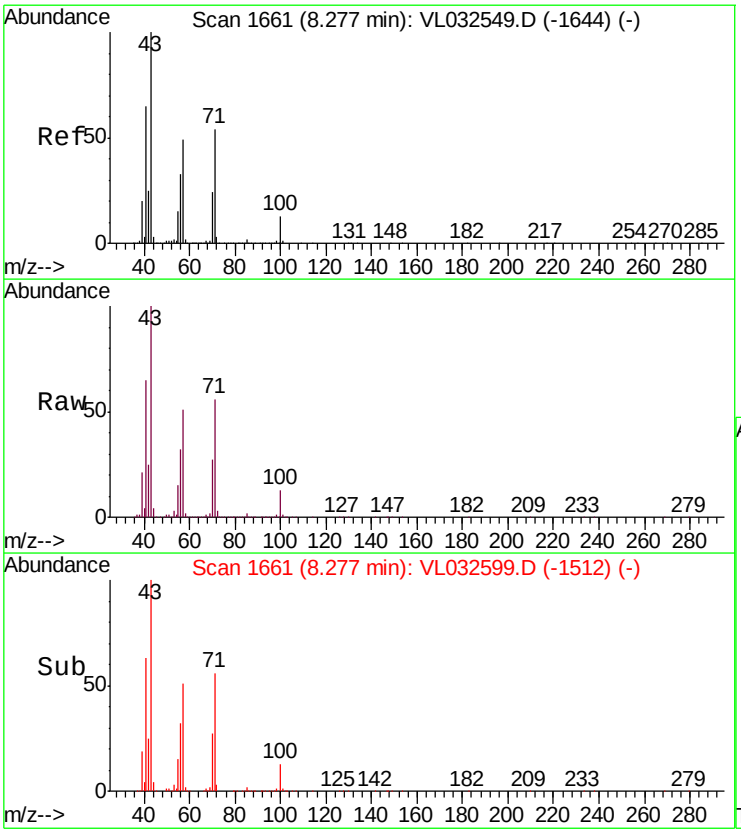
#9
Propene
Concen: 7.916 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.01 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 450152

Ion	Ratio	Lower	Upper
41	100		
42	70.4	56.6	84.8

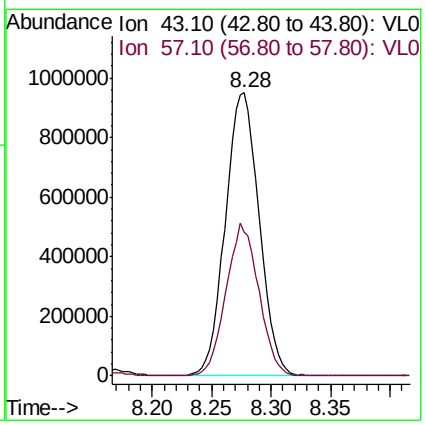


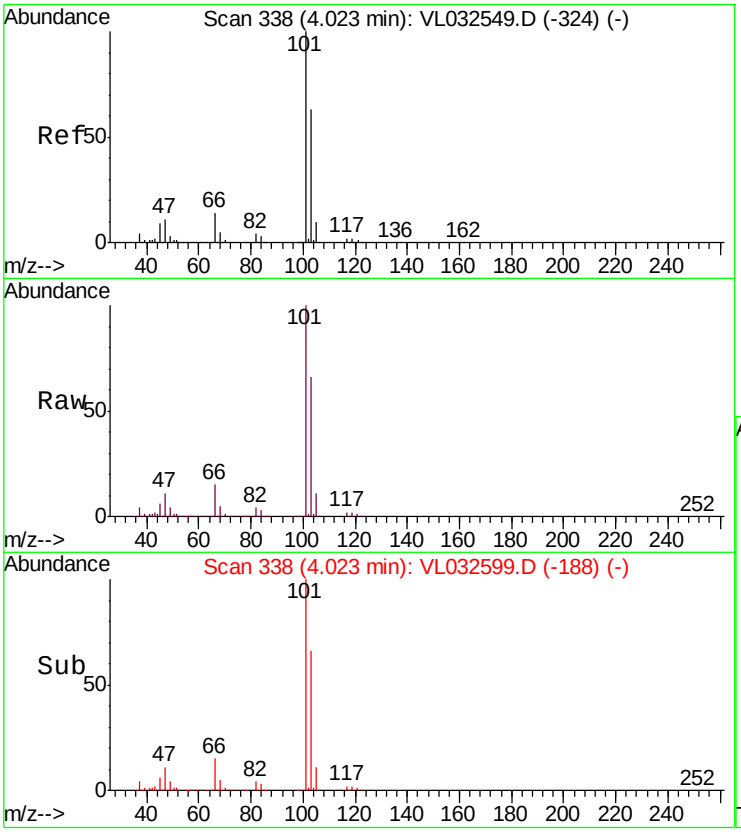


#10
Heptane
Concen: 8.948 ppbv
RT: 8.28 min Scan# 1661
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 43 Resp: 1866272

Ion	Ratio	Lower	Upper
43	100		
57	52.1	39.6	59.4



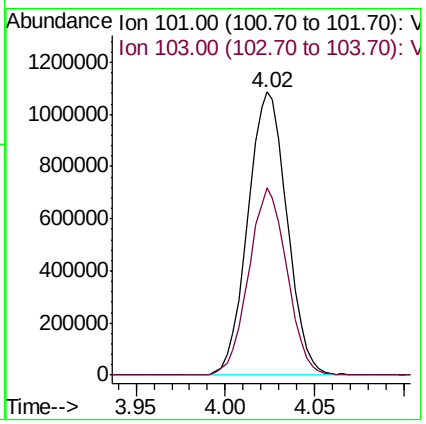


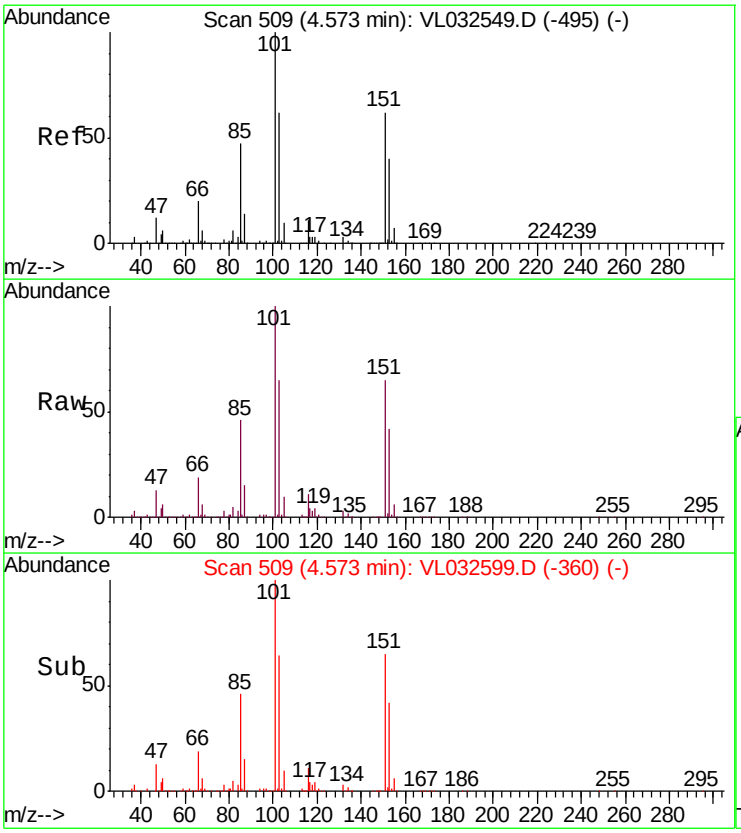
#11
Trichlorofluoromethane
Concen: 9.639 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1670391

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.8	79.2

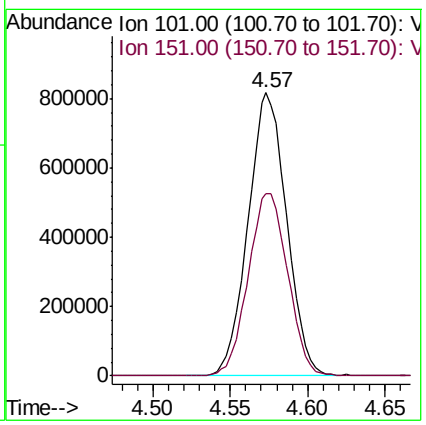


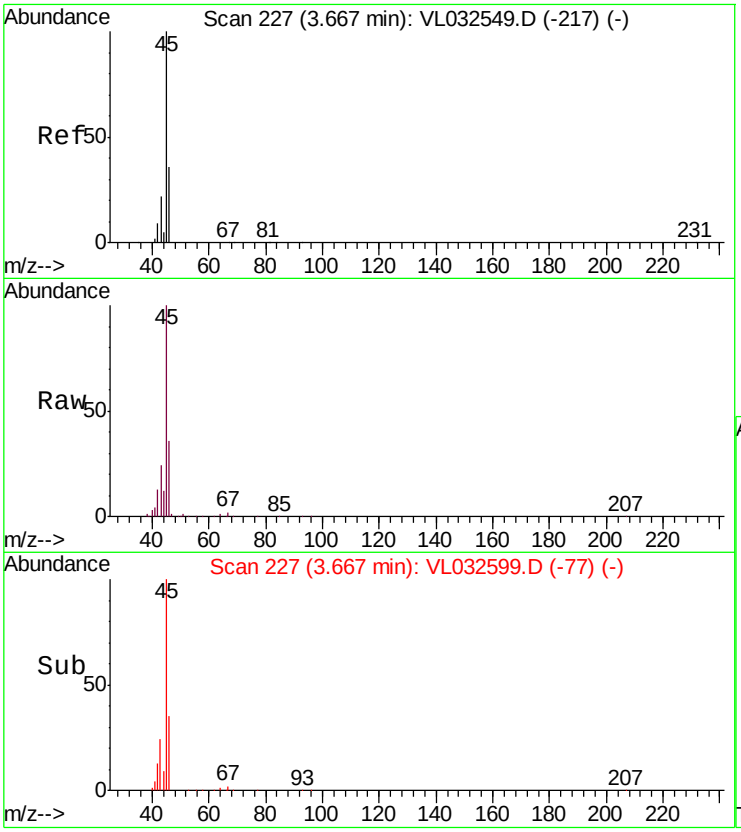


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.995 ppbv
RT: 4.57 min Scan# 509
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:101 Resp: 1415849

Ion	Ratio	Lower	Upper
101	100		
151	66.2	52.6	78.8



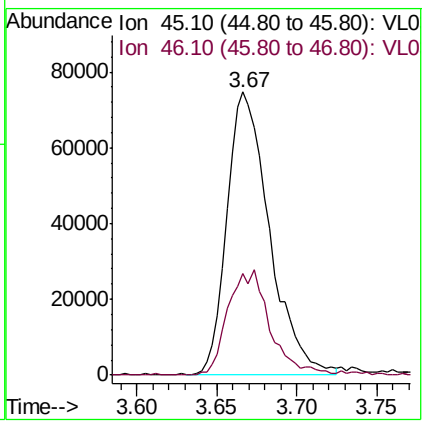


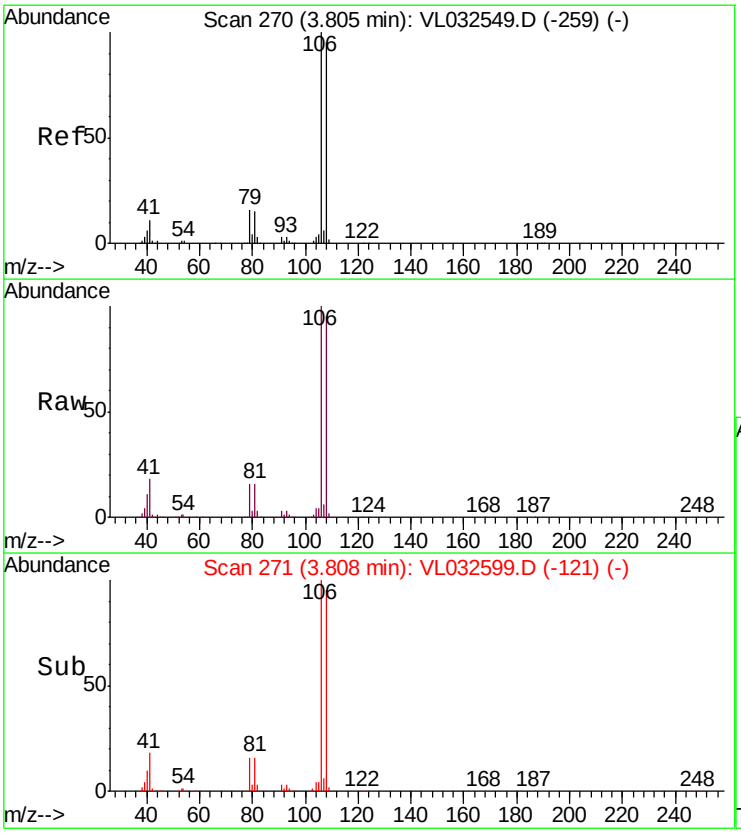
#13
Ethanol
Concen: 7.937 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 135667

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.2	56.8

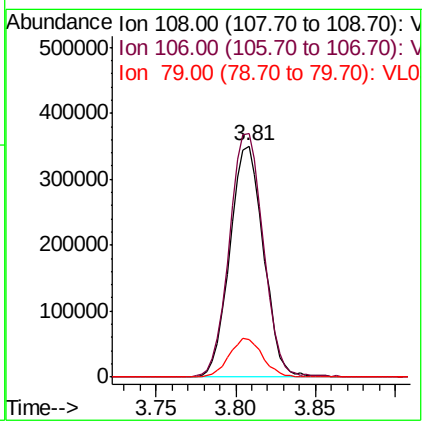


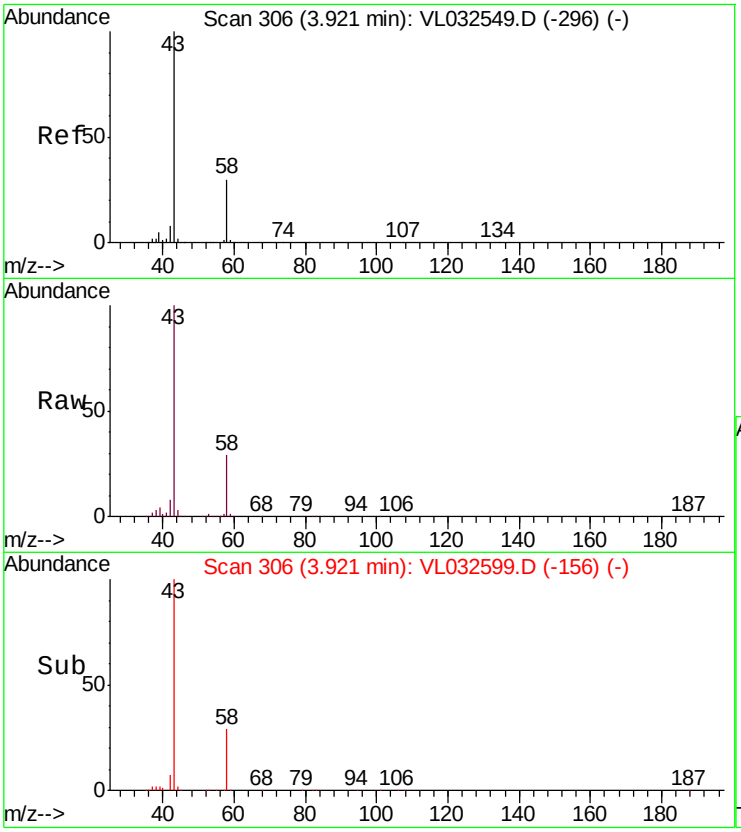


#14
Bromoethene
Concen: 9.938 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:108 Resp: 499506

Ion	Ratio	Lower	Upper
108	100		
106	106.9	85.5	128.3
79	17.0	13.0	19.6



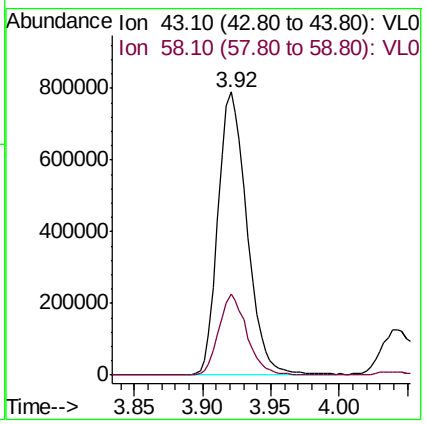


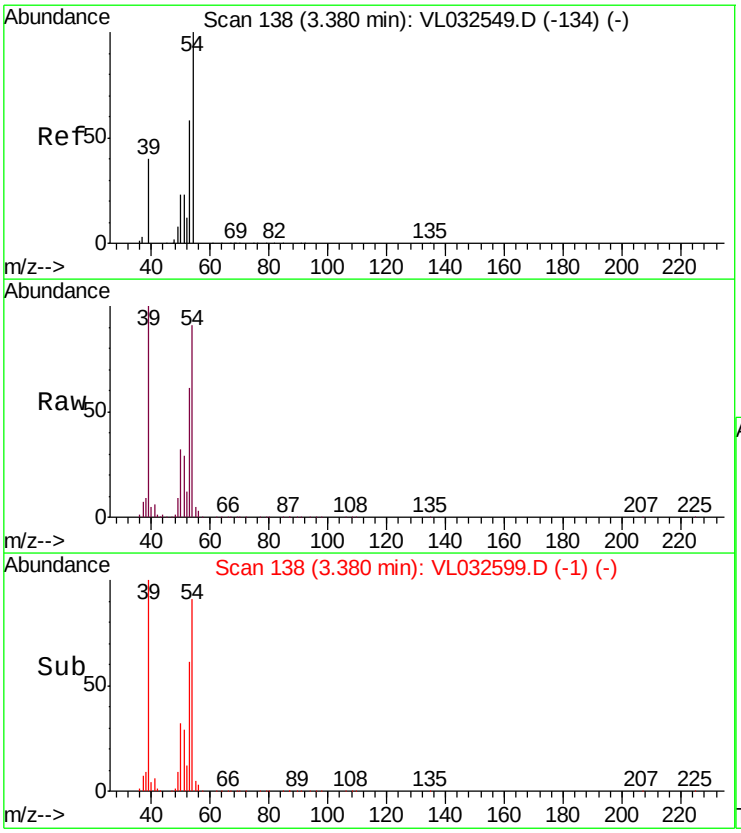
#15
Acetone
Concen: 8.415 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1164114

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.6	33.8

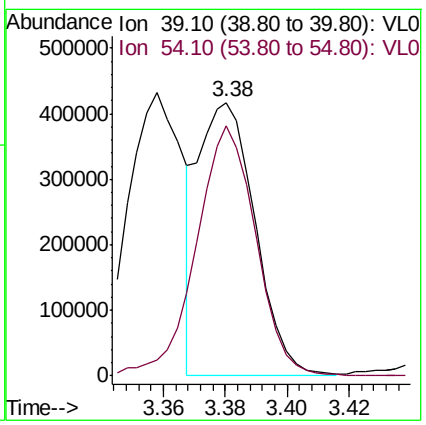


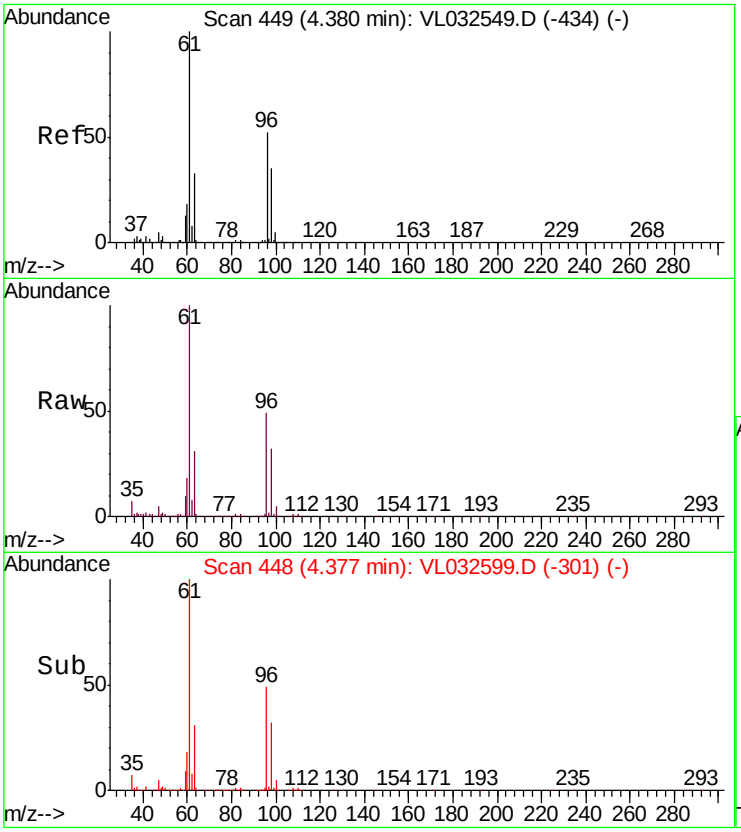


#16
1,3-Butadiene
Concen: 9.373 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 39 Resp: 525878

Ion	Ratio	Lower	Upper
39	100		
54	98.1	80.8	121.2



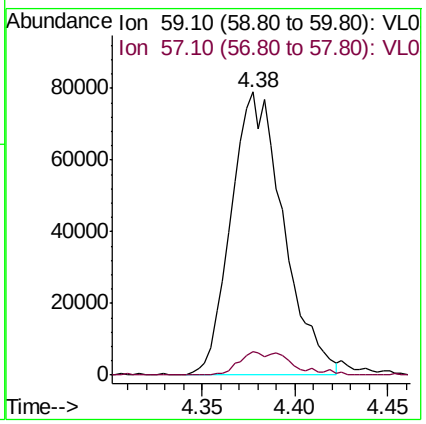


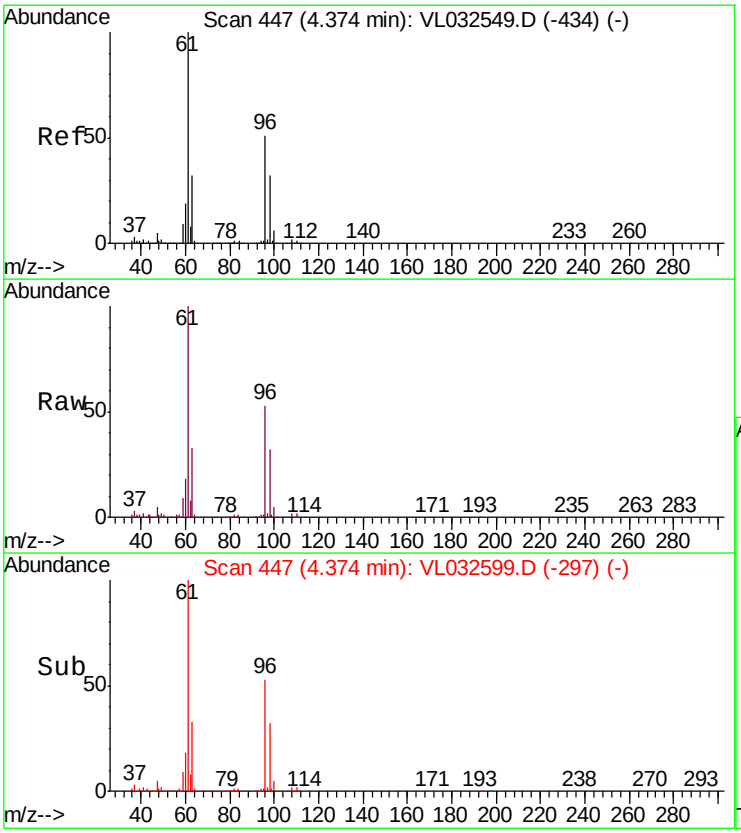
#17
tert-Butyl alcohol
Concen: 8.850 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 153850

Ion	Ratio	Lower	Upper
59	100		
57	8.3	0.0	0.0#

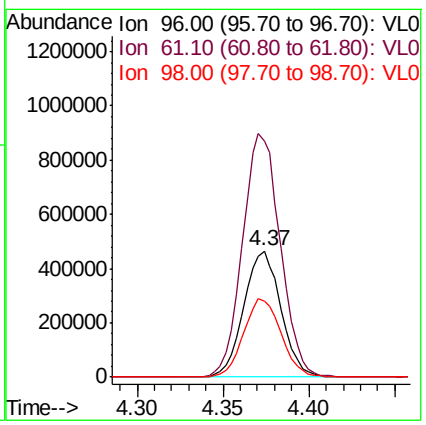


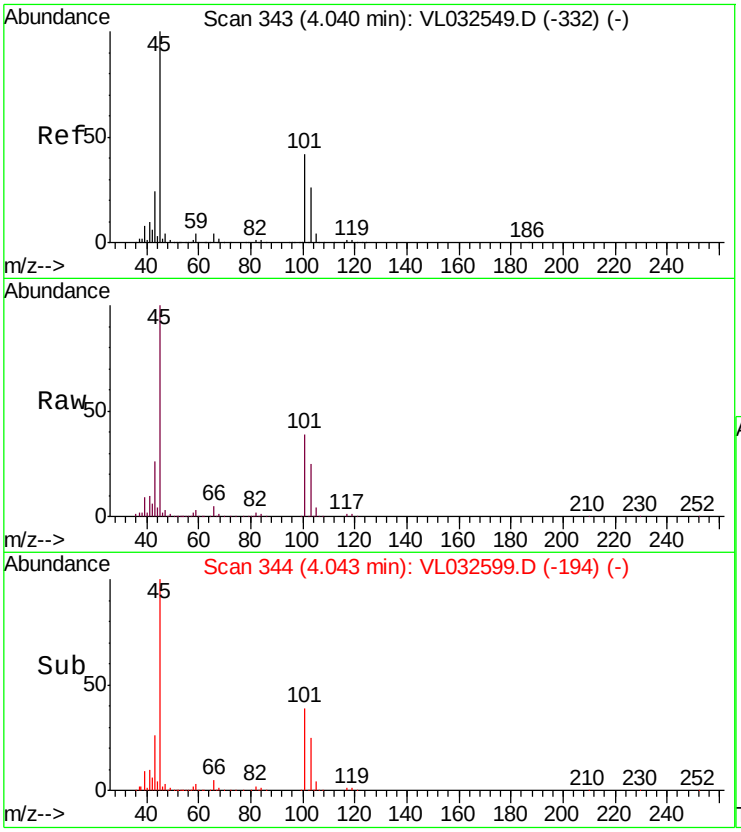


#18
1,1-Dichloroethene
Concen: 10.492 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 96 Resp: 696017

Ion	Ratio	Lower	Upper
96	100		
61	187.0	159.2	238.8
98	59.9	51.0	76.4



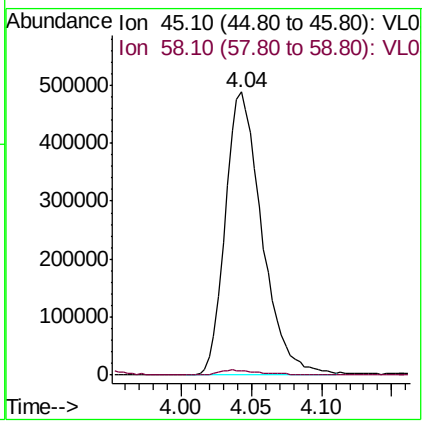


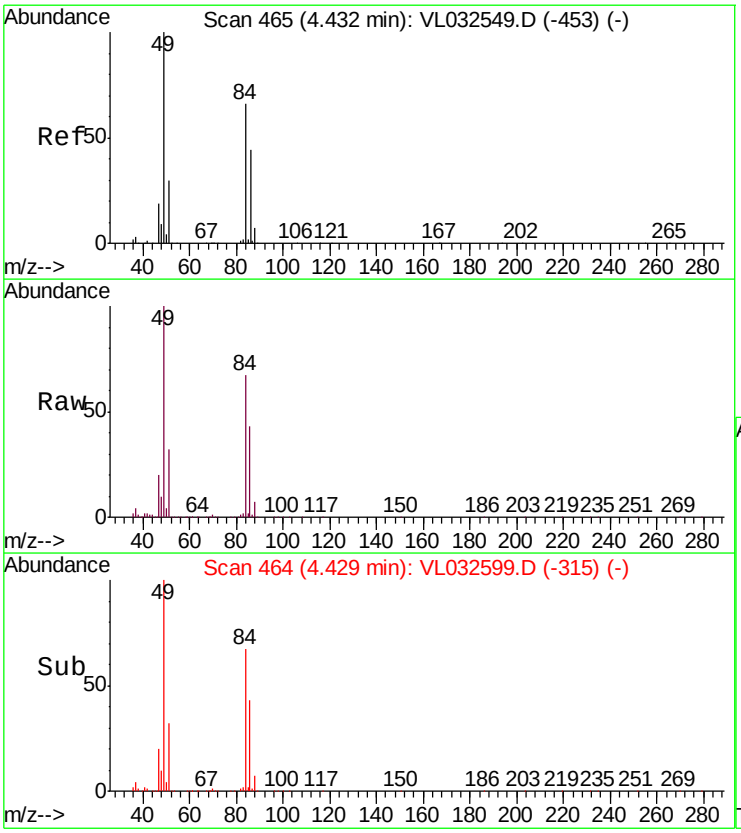
#19
Isopropyl Alcohol
Concen: 9.187 ppbv
RT: 4.04 min Scan# 344
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 885307

Ion	Ratio	Lower	Upper
45	100		
58	2.1	2.0	3.0

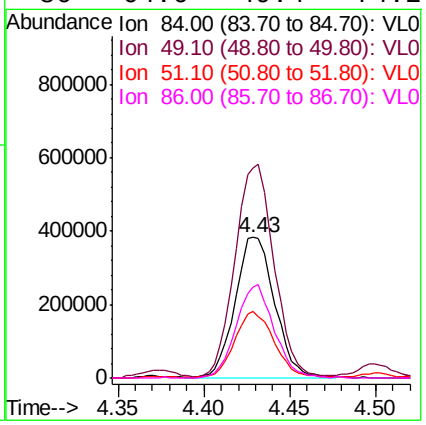


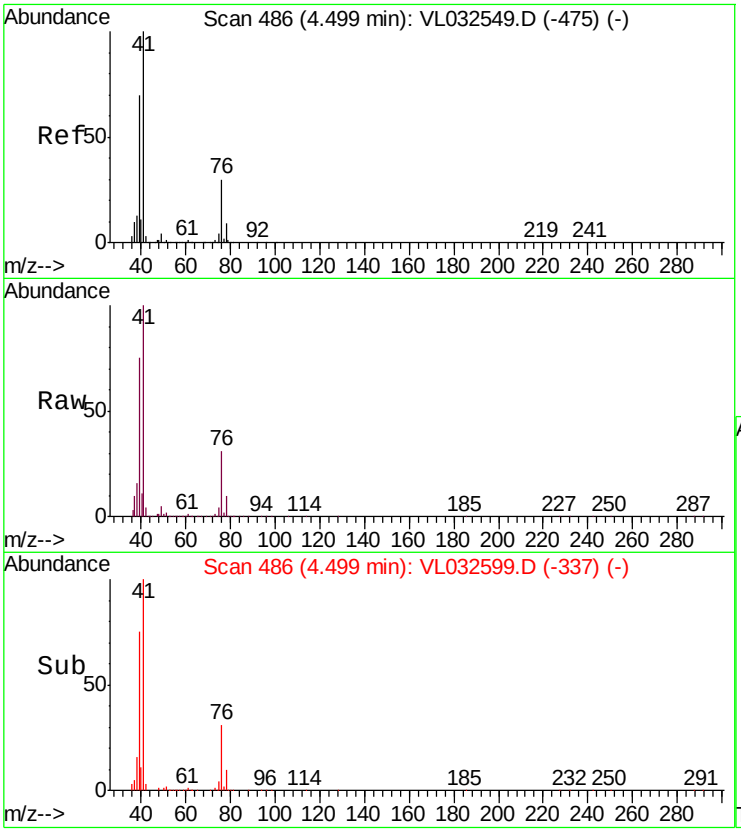


#20
Methylene Chloride
Concen: 9.013 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 84 Resp: 603767

Ion	Ratio	Lower	Upper
84	100		
49	147.8	119.1	178.7
51	47.2	35.2	52.8
86	64.6	49.4	74.2



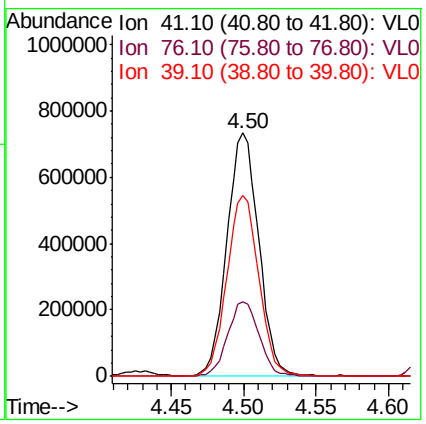


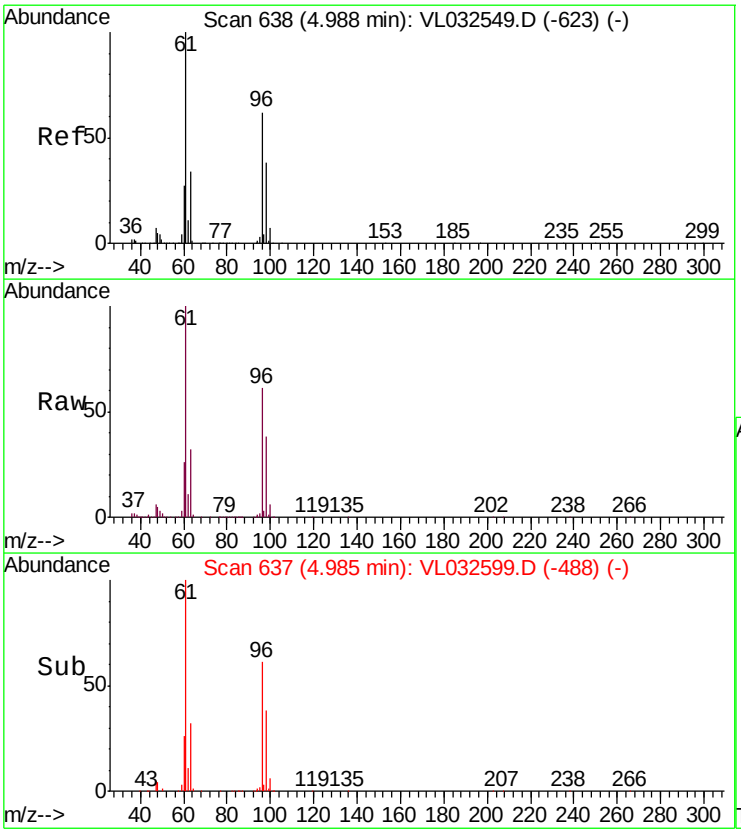
#21
Allyl Chloride
Concen: 9.797 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1107736

Ion	Ratio	Lower	Upper
41	100		
76	30.6	23.6	35.4
39	75.3	57.7	86.5

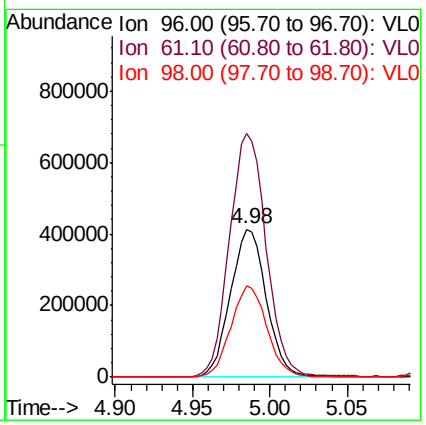


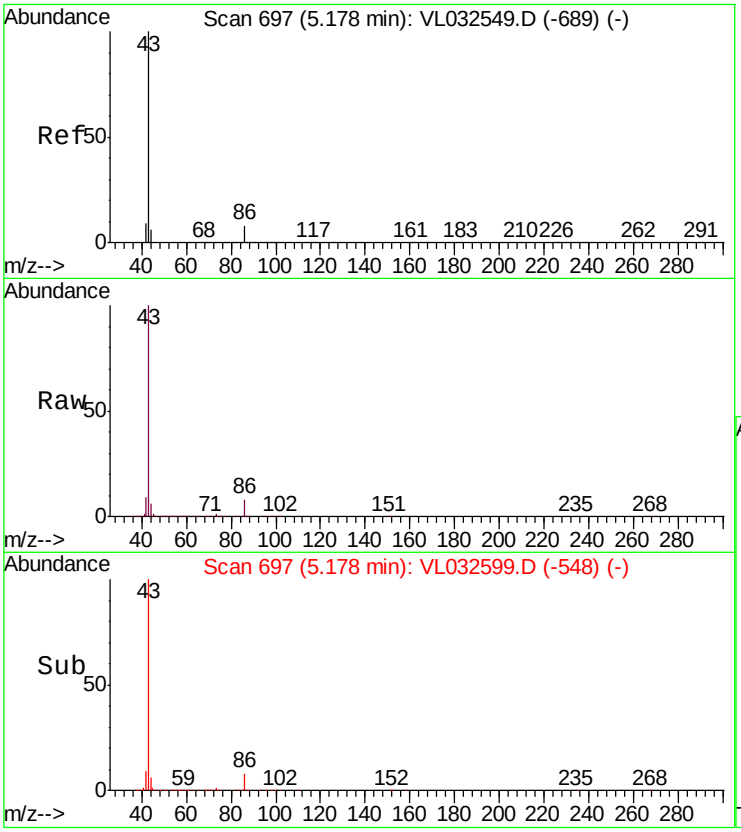


#22
trans-1,2-Dichloroethene
Concen: 10.645 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 96 Resp: 665558

Ion	Ratio	Lower	Upper
96	100		
61	164.2	136.2	204.4
98	62.0	50.4	75.6



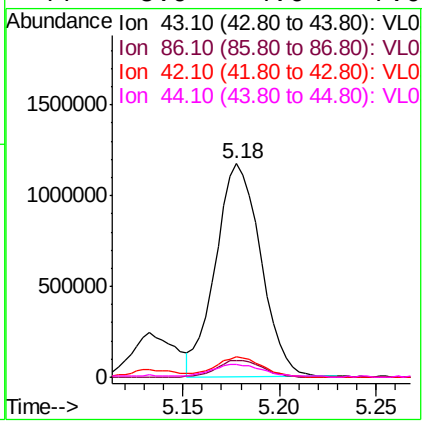


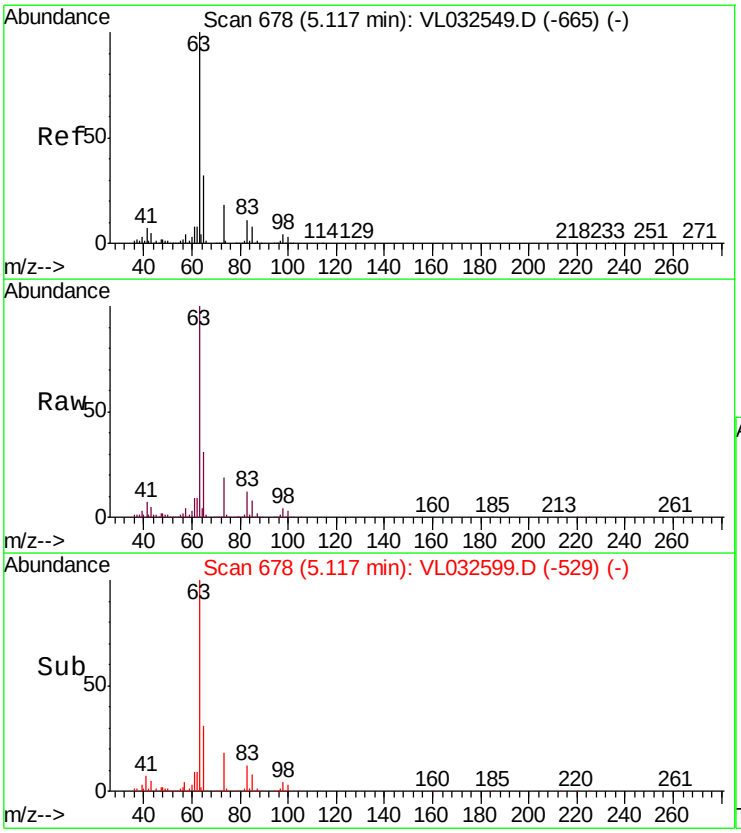
#23
Vinyl Acetate
Concen: 7.780 ppbv
RT: 5.18 min Scan# 697
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1901980

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.9	8.9
42	9.4	6.9	10.3
44	5.9	4.6	7.0

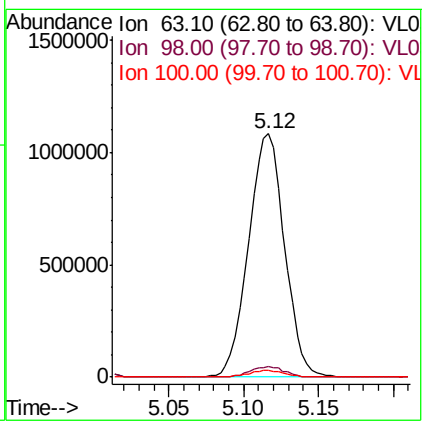


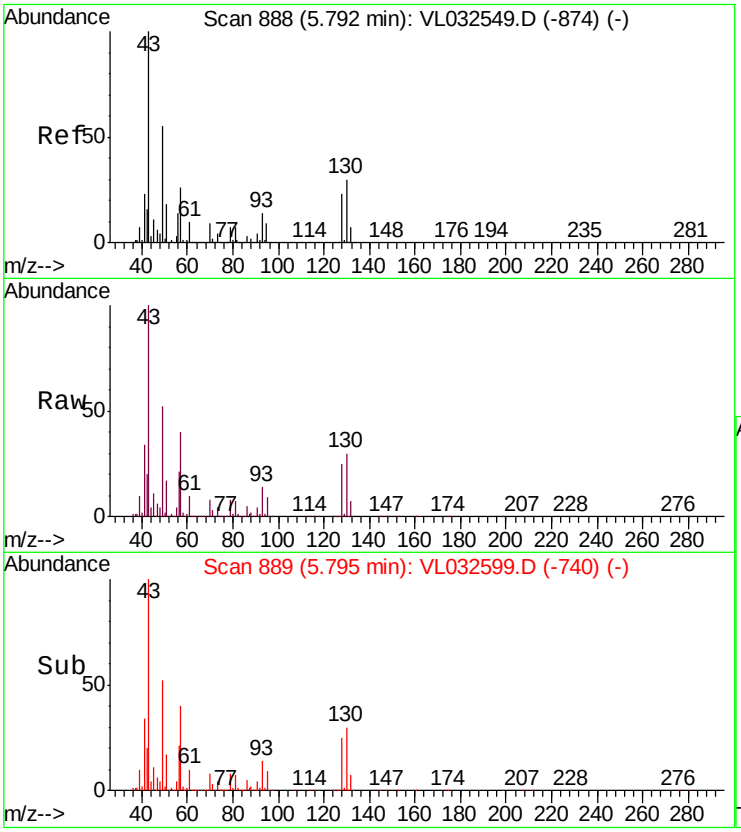


#24
1,1-Dichloroethane
Concen: 8.888 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 63 Resp: 1809318

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.6	1.5	4.4



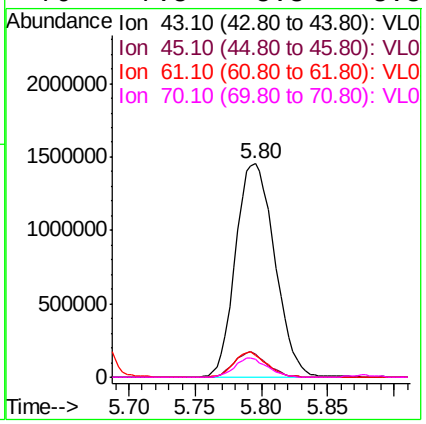


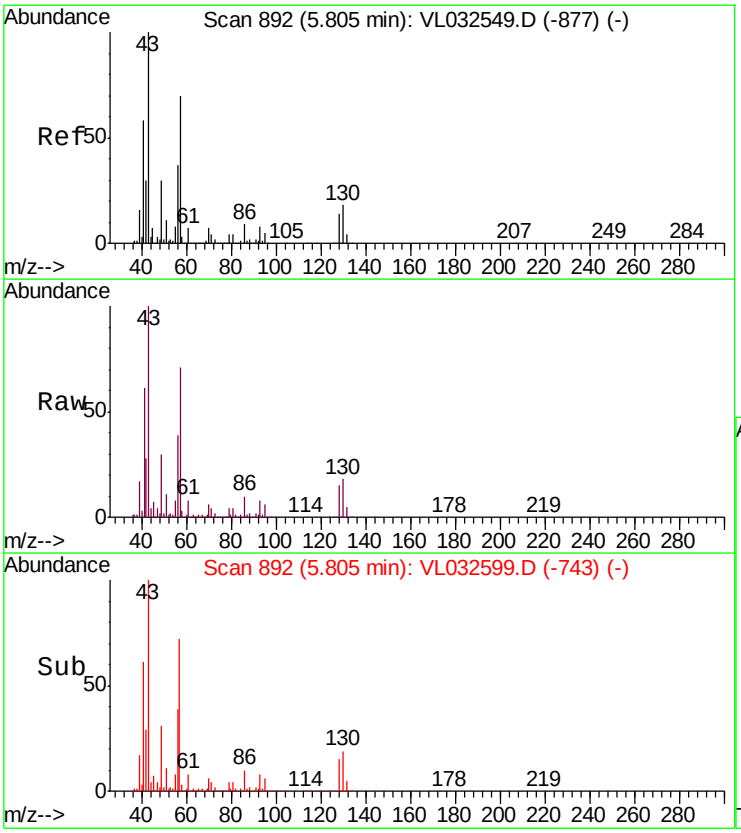
#25
Ethyl Acetate
Concen: 8.914 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2992244

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.1	7.6	11.4
70	7.5	5.8	8.8

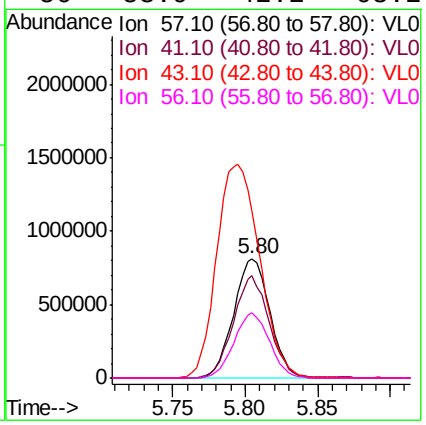


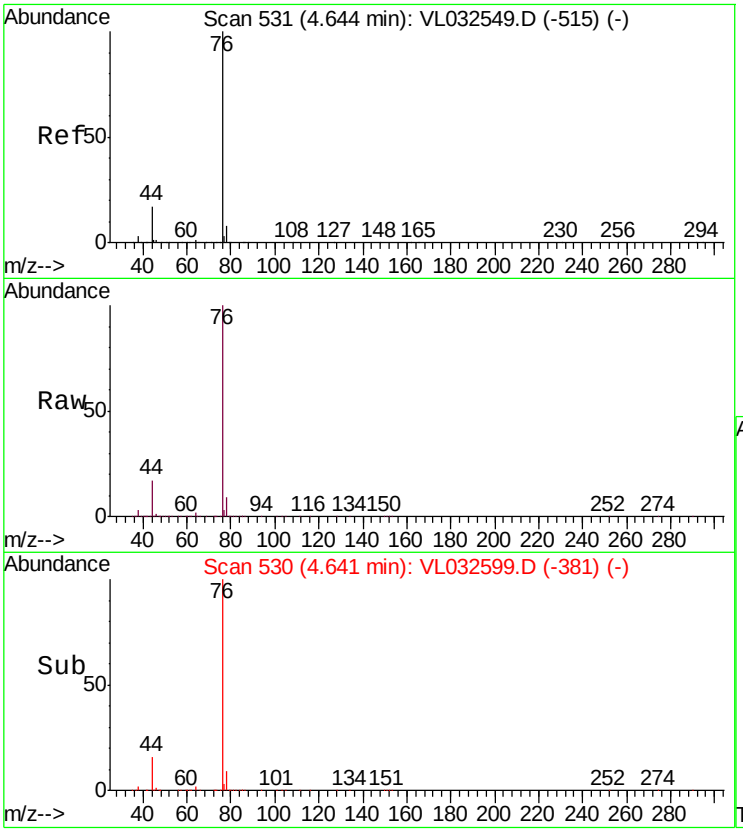


#26
Hexane
Concen: 9.261 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 57 Resp: 1404190

Ion	Ratio	Lower	Upper
57	100		
41	85.0	69.0	103.4
43	213.4	172.1	258.1
56	53.9	42.2	63.2



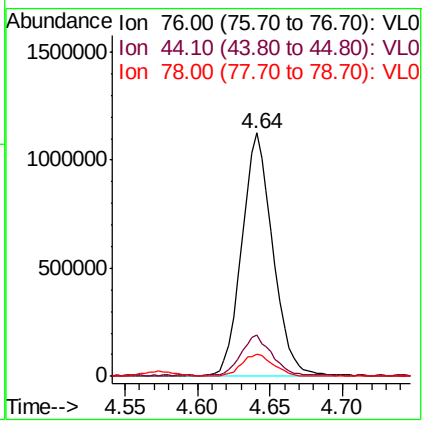


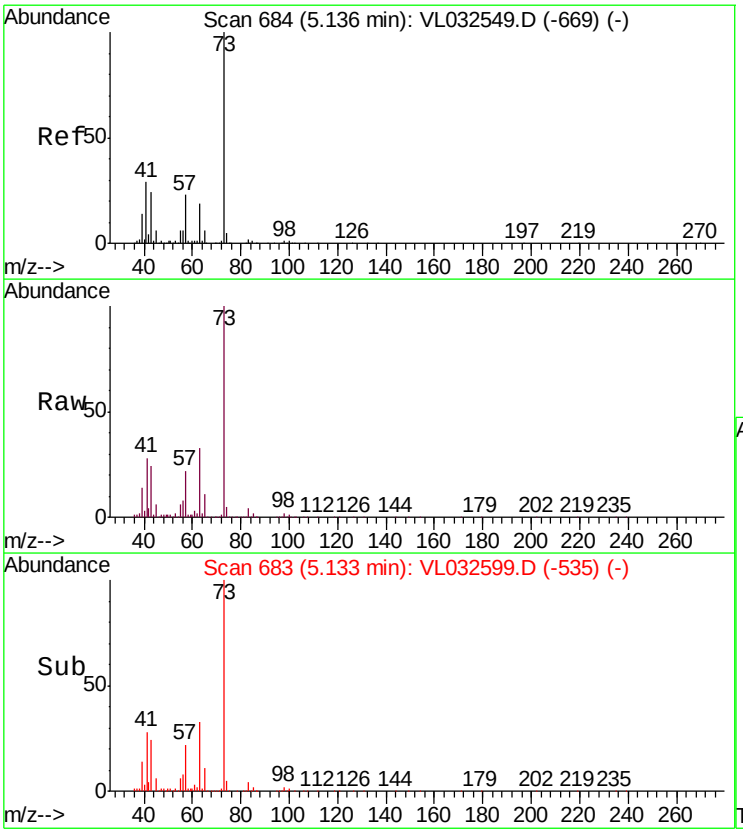
#27
Carbon Disulfide
Concen: 10.286 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1676722

Ion	Ratio	Lower	Upper
76	100		
44	16.3	14.0	21.0
78	9.2	7.5	11.3

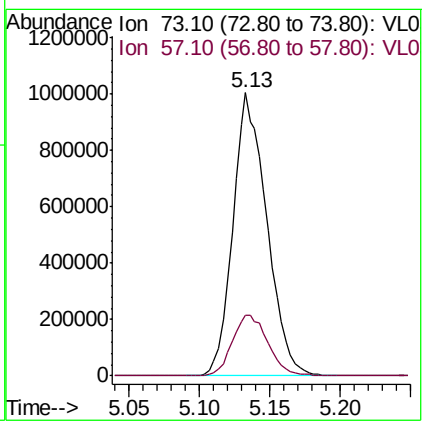


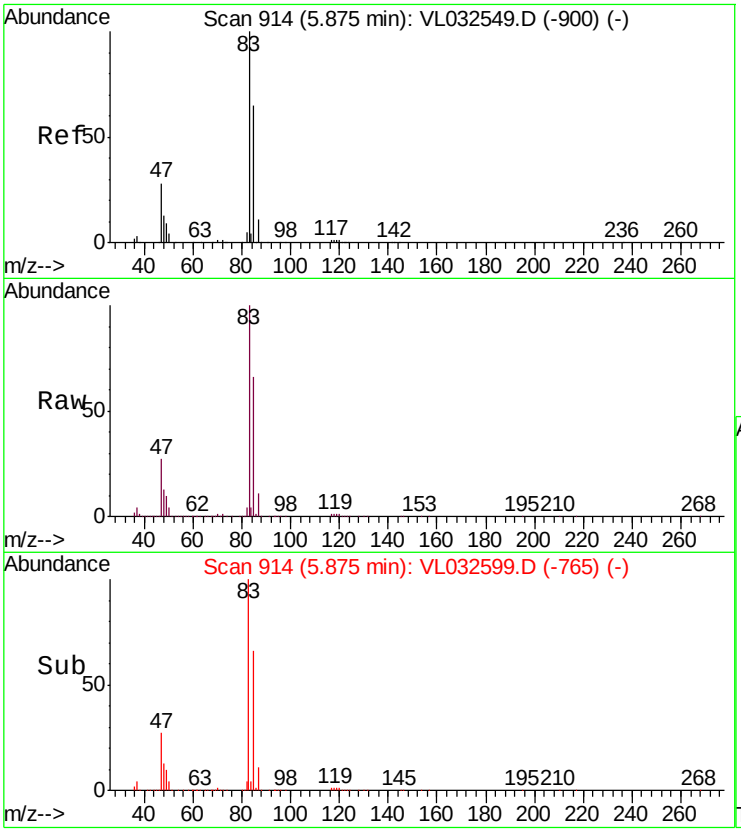


#28
Methyl tert-Butyl Ether
Concen: 8.917 ppbv
RT: 5.13 min Scan# 683
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 73 Resp: 1684332

Ion	Ratio	Lower	Upper
73	100		
57	22.8	19.3	28.9



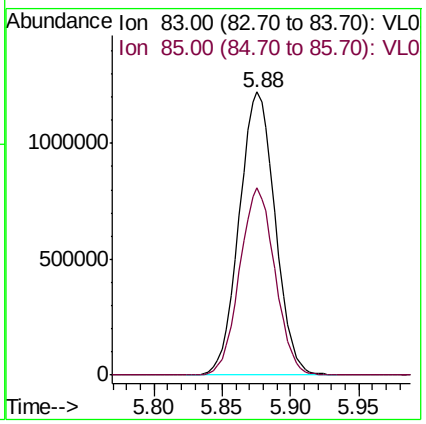


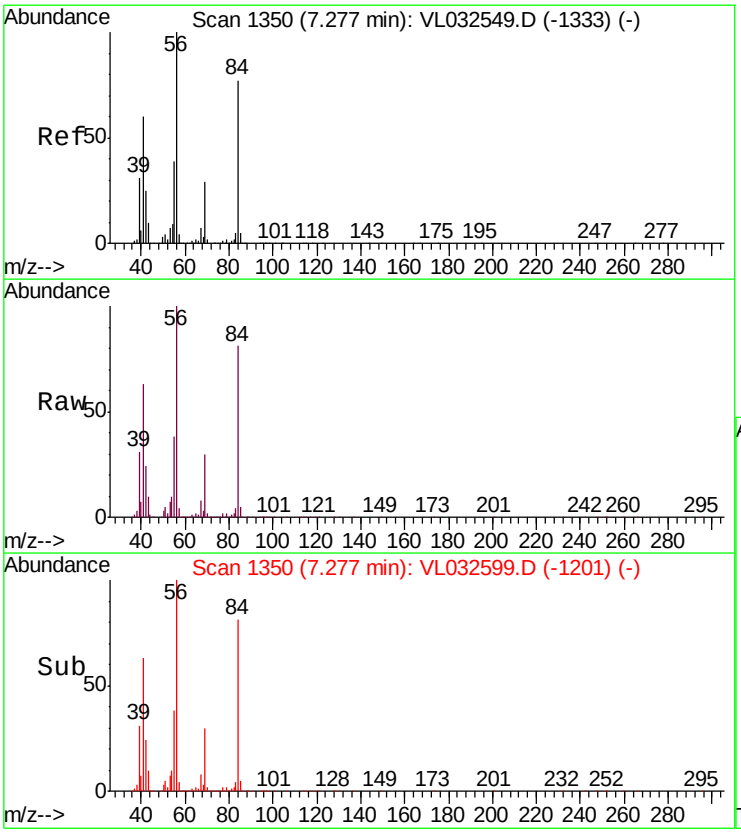
#29
Chloroform
Concen: 9.569 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2226337

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.5	78.7

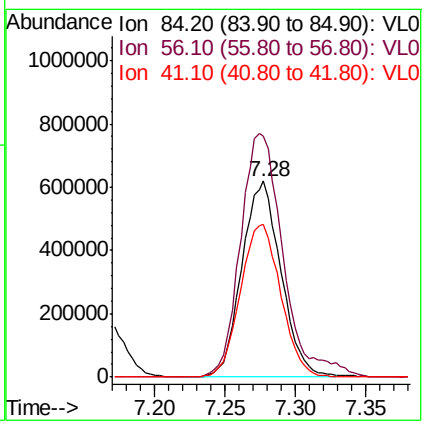


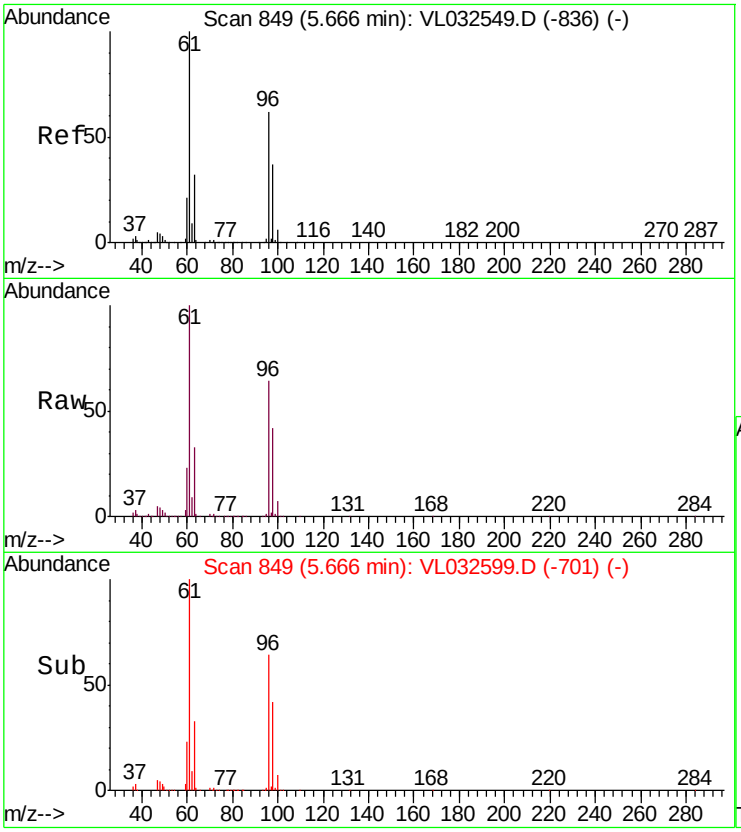


#30
Cyclohexane
Concen: 9.751 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 84 Resp: 1203871

Ion	Ratio	Lower	Upper
84	100		
56	135.5	113.5	170.3
41	80.6	68.1	102.1



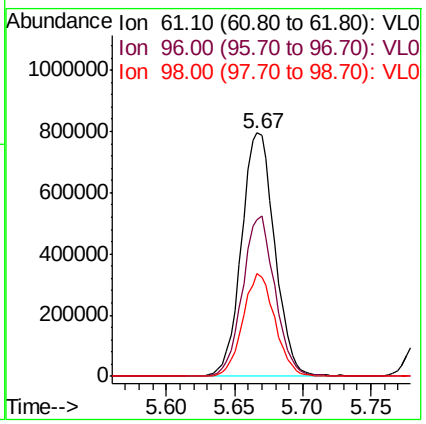


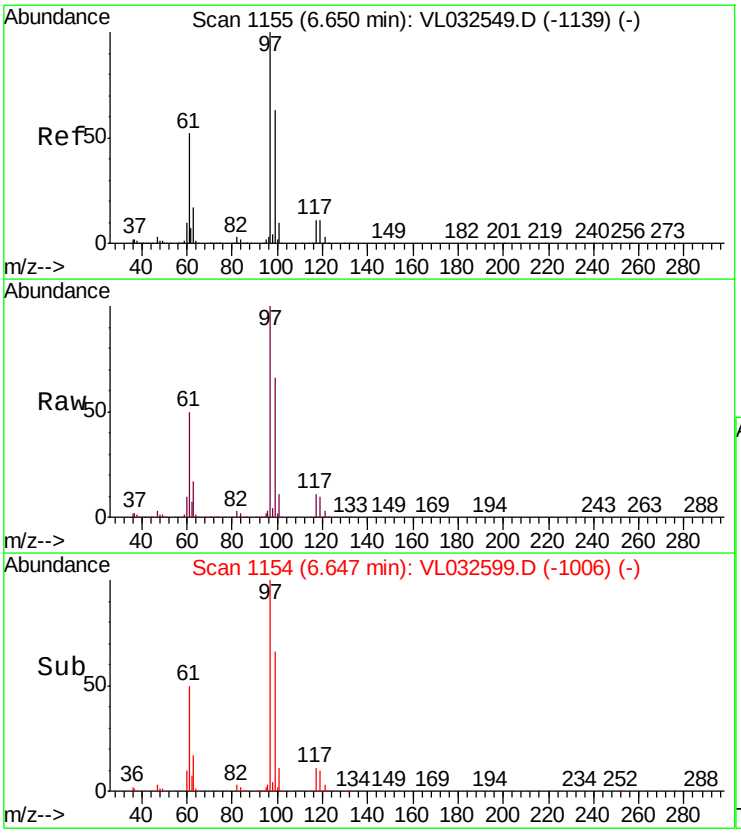
#31
cis-1,2-Dichloroethene
Concen: 9.308 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1344154

Ion	Ratio	Lower	Upper
61	100		
96	64.3	49.2	73.8
98	42.3	30.7	46.1

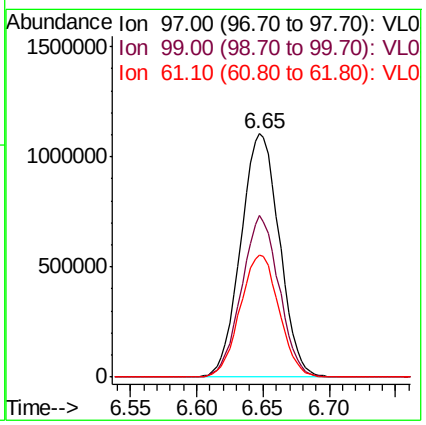


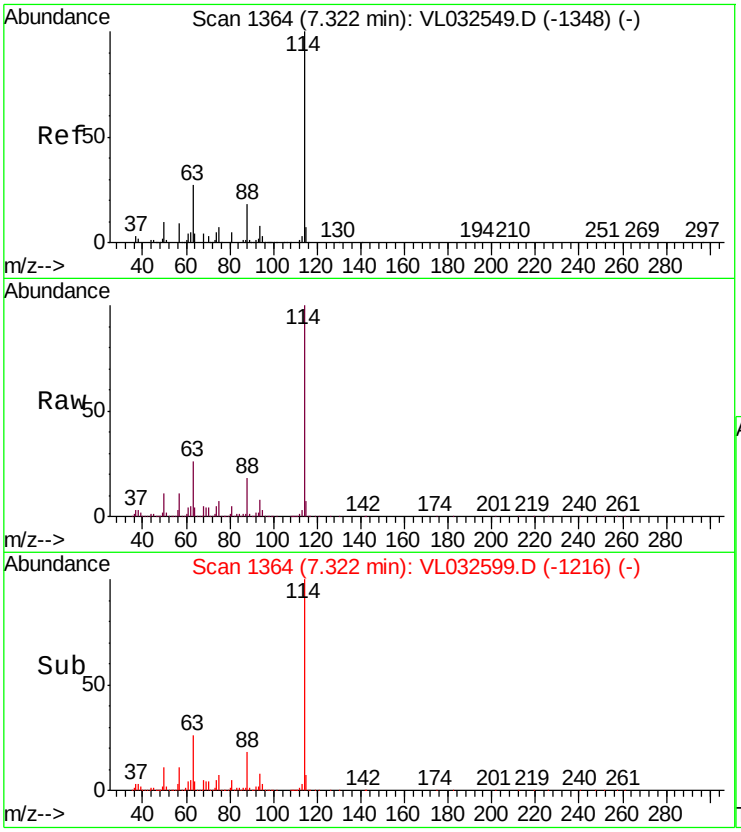


#32
1,1,1-Trichloroethane
Concen: 9.033 ppbv
RT: 6.65 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 97 Resp: 2239582

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	50.7	42.5	63.7



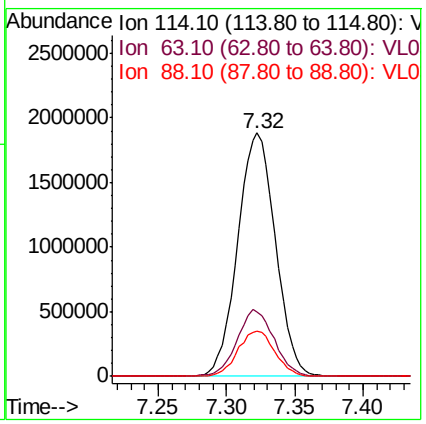


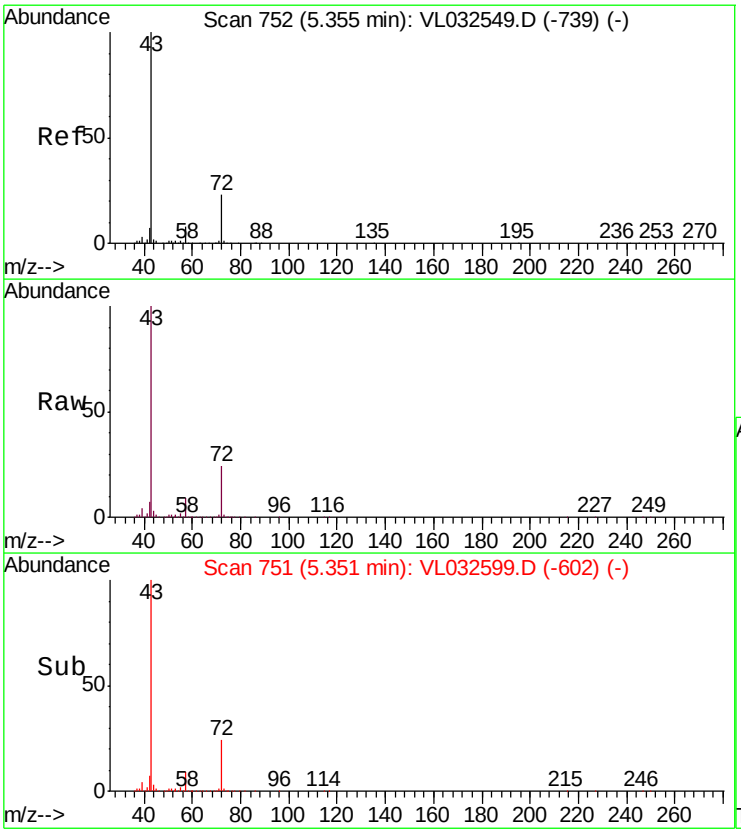
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3611928

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.4
88	18.4	15.0	22.4

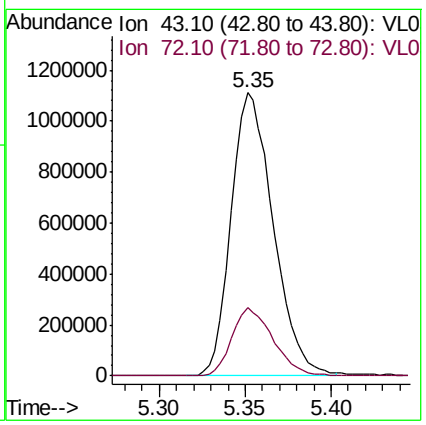


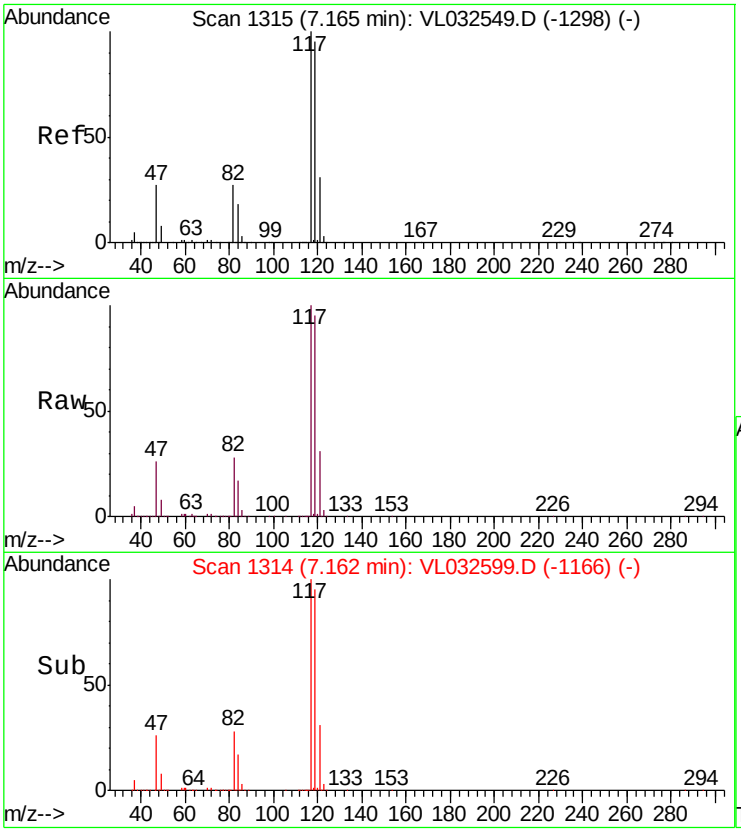


#34
2-Butanone
Concen: 8.807 ppbv
RT: 5.35 min Scan# 751
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 43 Resp: 1894326

Ion	Ratio	Lower	Upper
43	100		
72	23.7	17.8	26.6



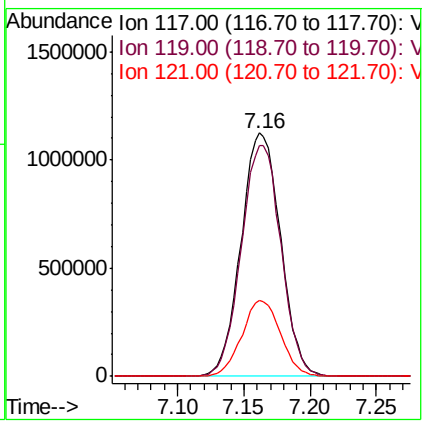


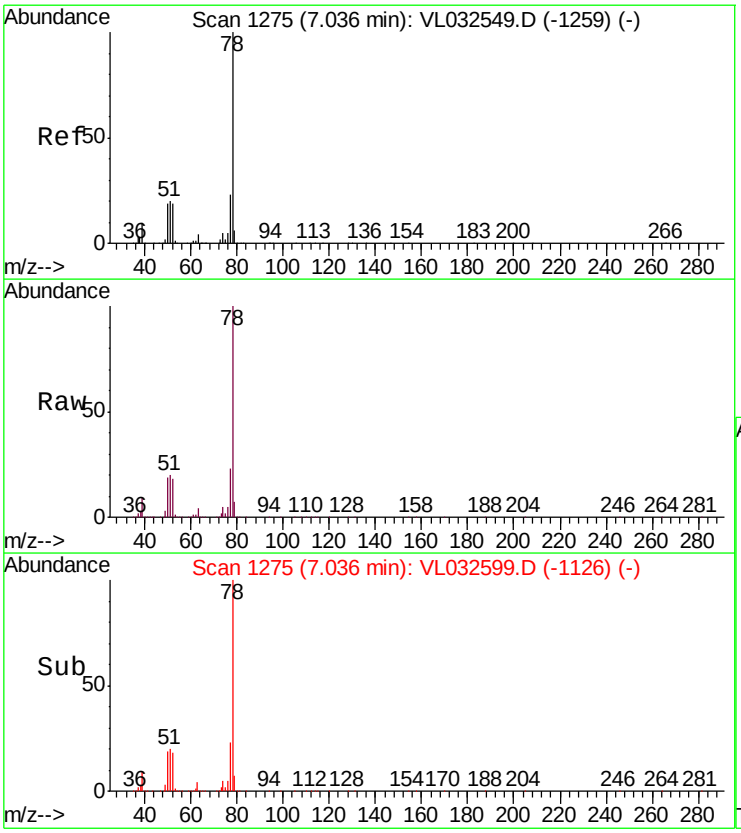
#35
Carbon Tetrachloride
Concen: 9.289 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2331297

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.6	115.0
121	31.2	24.6	36.8

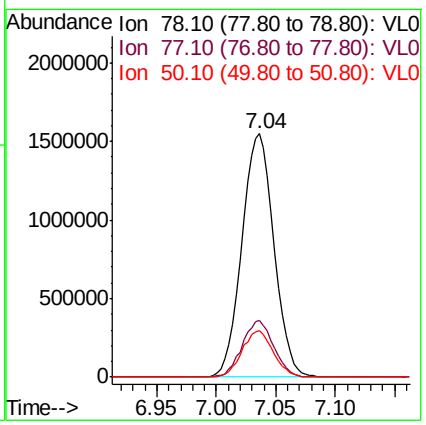


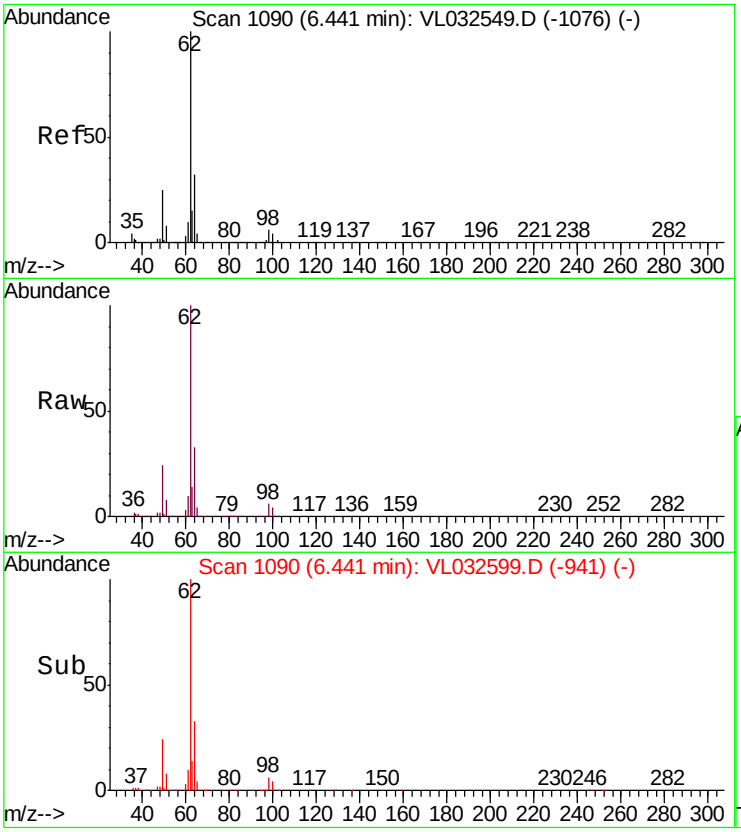


#36
Benzene
Concen: 9.880 ppbv
RT: 7.04 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 78 Resp: 2883841

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6
50	19.2	14.4	21.6



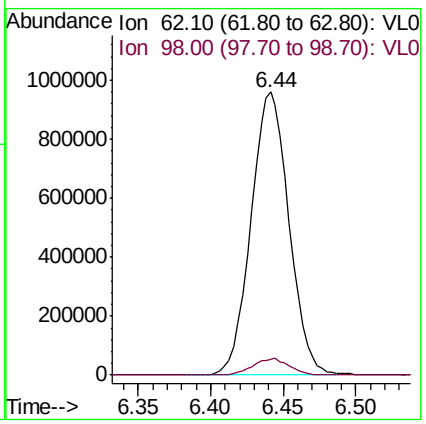


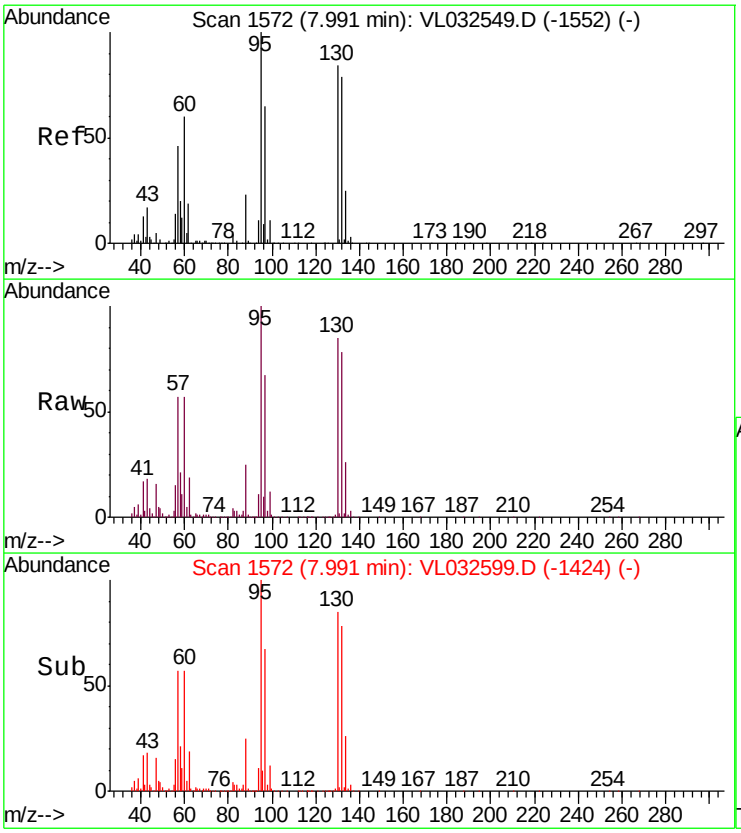
#37
1,2-Dichloroethane
Concen: 9.930 ppbv
RT: 6.44 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1746807

Ion	Ratio	Lower	Upper
62	100		
98	5.7	5.0	7.6

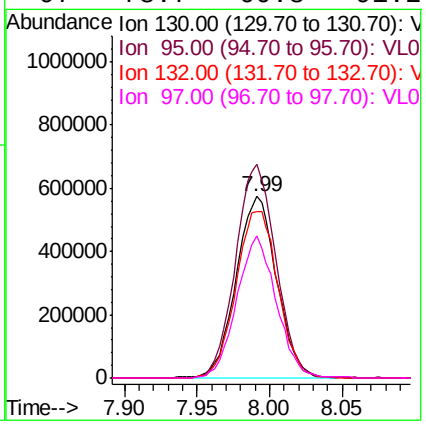


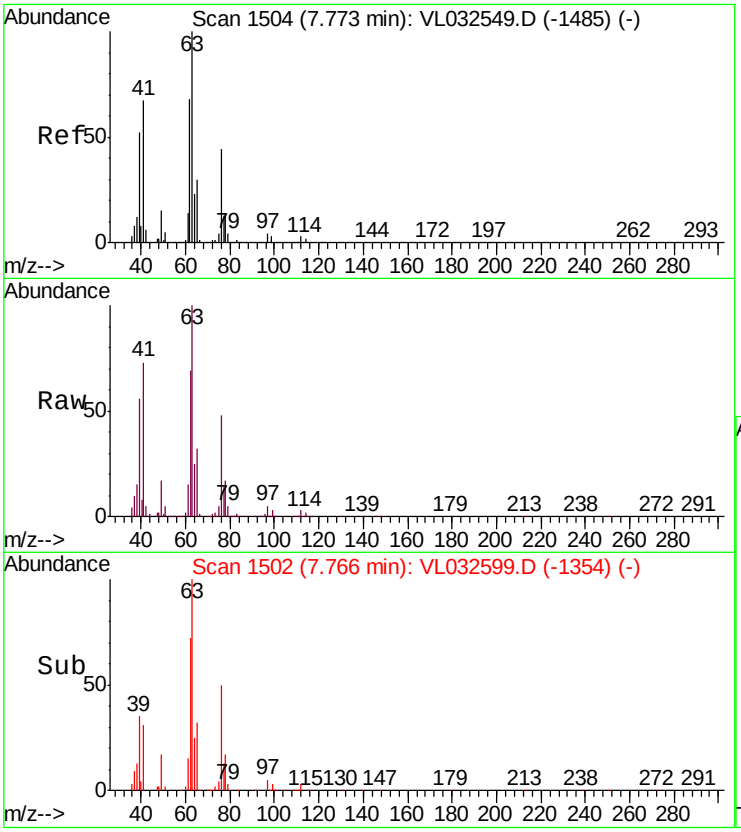


#38
Trichloroethene
Concen: 9.902 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:130 Resp: 1106329

Ion	Ratio	Lower	Upper
130	100		
95	117.8	94.2	141.4
132	91.5	76.2	114.4
97	78.7	60.8	91.2



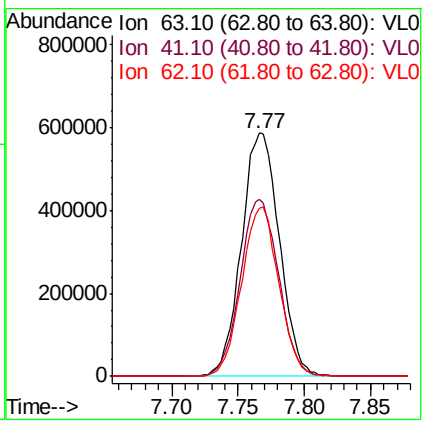


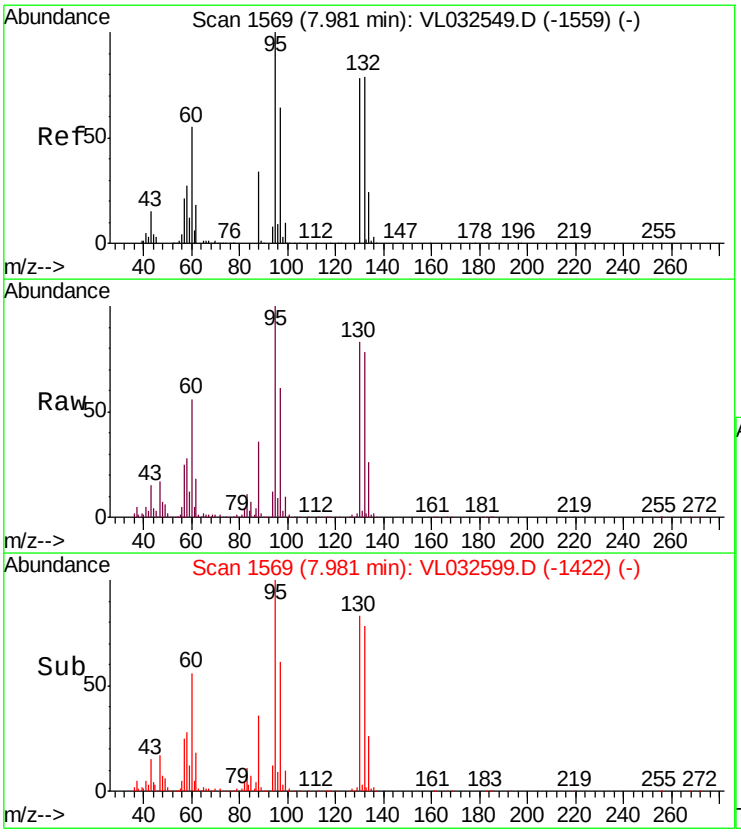
#39
1,2-Dichloropropane
Concen: 8.875 ppbv
RT: 7.77 min Scan# 1502
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 1167489

Ion	Ratio	Lower	Upper
63	100		
41	72.8	55.4	83.0
62	69.2	55.4	83.0

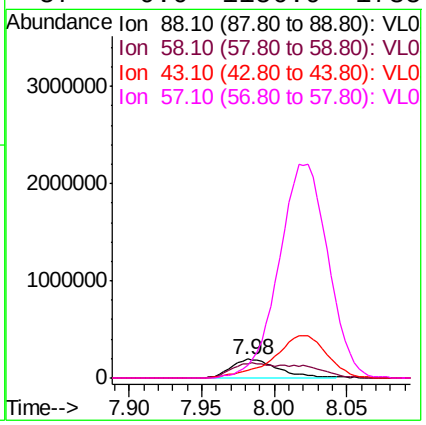


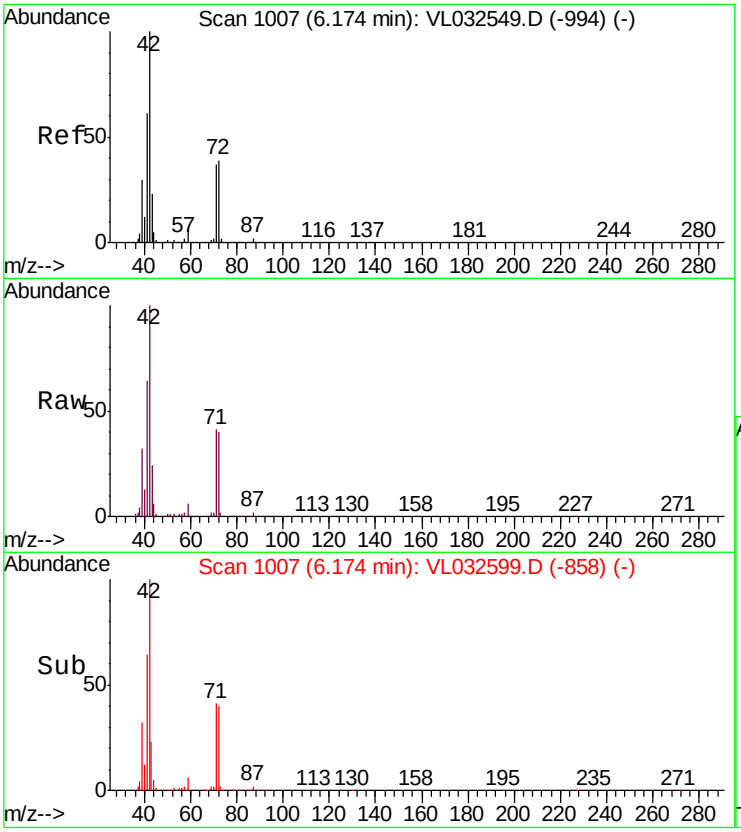


#40
1,4-Dioxane
Concen: 10.677 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 88 Resp: 430627

Ion	Ratio	Lower	Upper
88	100		
58	133.4	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#



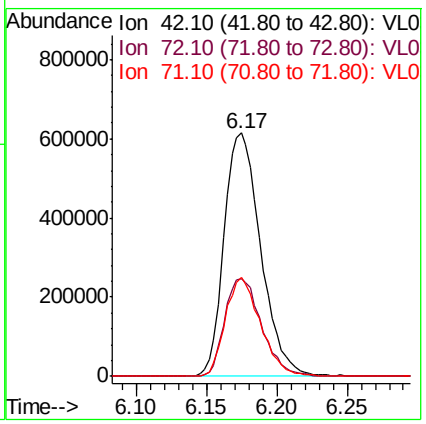


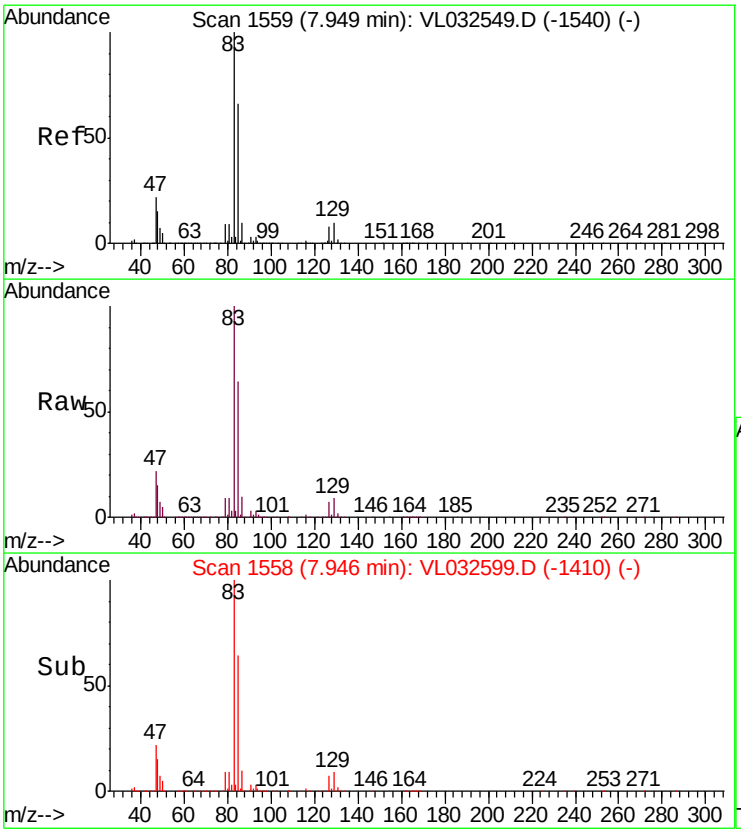
#41
Tetrahydrofuran
Concen: 9.554 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1116429

Ion	Ratio	Lower	Upper
42	100		
72	40.7	29.5	44.3
71	39.0	28.3	42.5

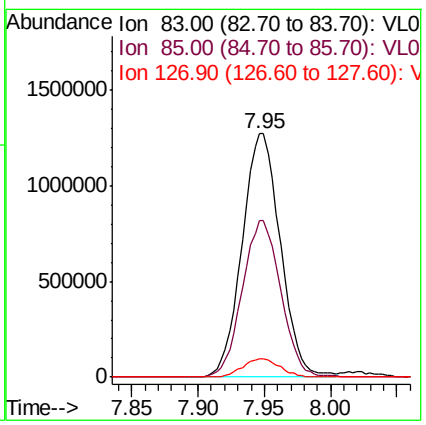


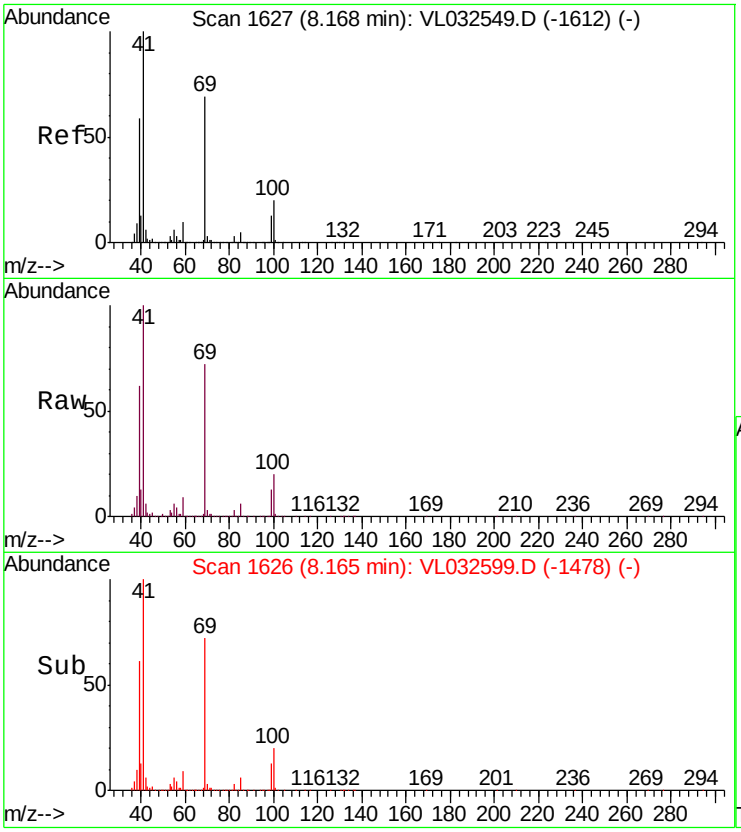


#42
Bromodichloromethane
Concen: 9.687 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 83 Resp: 2552961

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	7.3	5.8	8.8



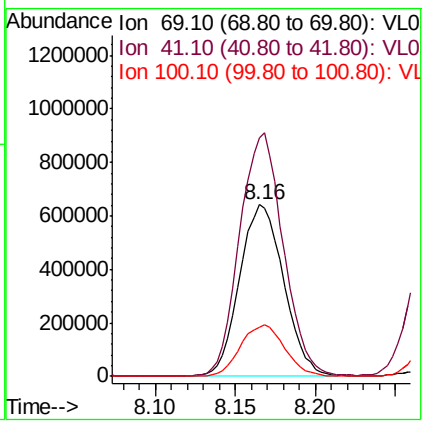


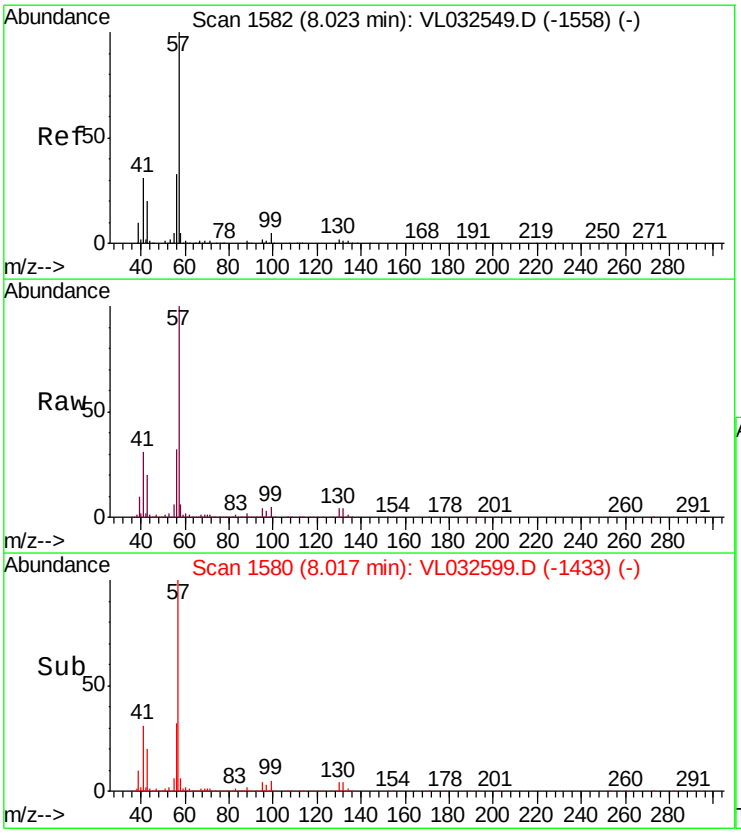
#43
Methyl Methacrylate
Concen: 9.953 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1213673

Ion	Ratio	Lower	Upper
69	100		
41	139.8	117.1	175.7
100	30.0	23.4	35.2

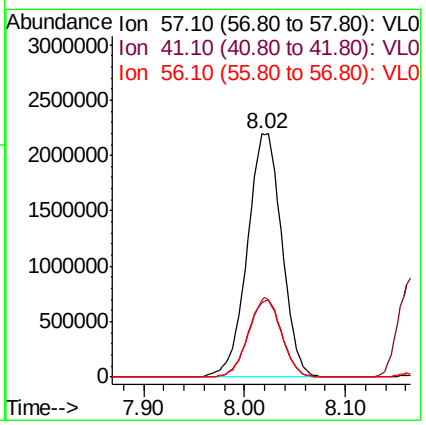


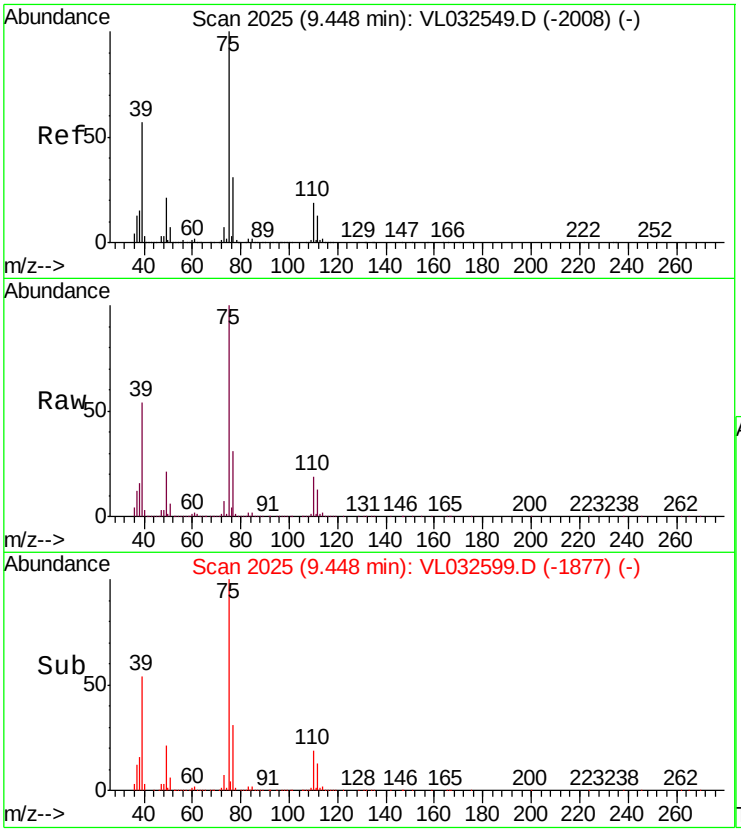


#44
2,2,4-Trimethylpentane
Concen: 9.109 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 57 Resp: 5196240

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.4	36.6
56	31.4	25.7	38.5



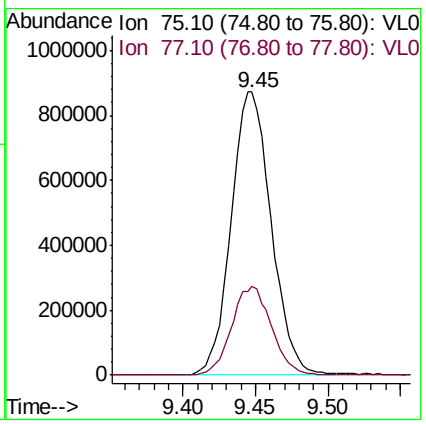


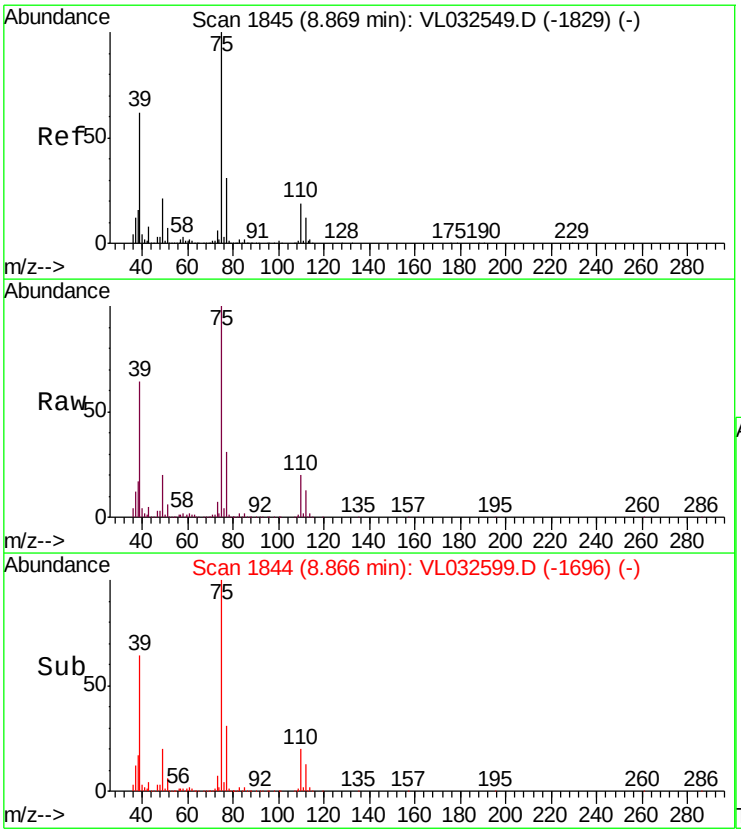
#45
t-1,3-Dichloropropene
Concen: 10.970 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1663912

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.2

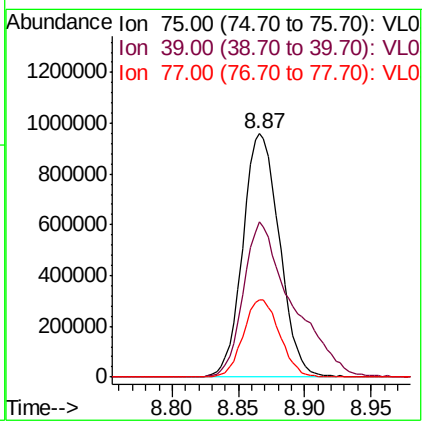


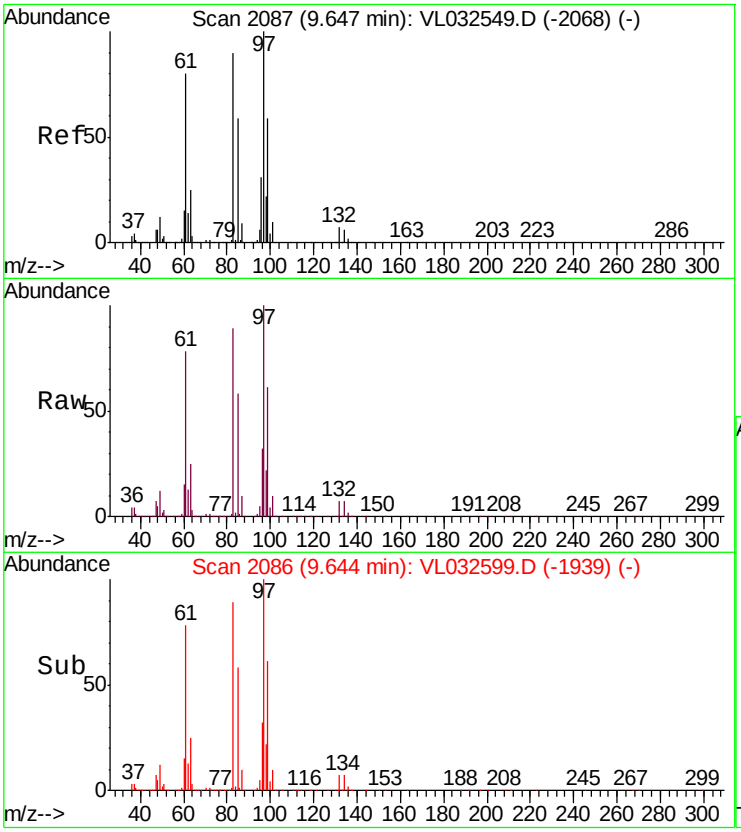


#46
cis-1,3-Dichloropropene
Concen: 10.352 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 75 Resp: 1841769

Ion	Ratio	Lower	Upper
75	100		
39	63.9	48.9	73.3
77	31.5	25.4	38.0



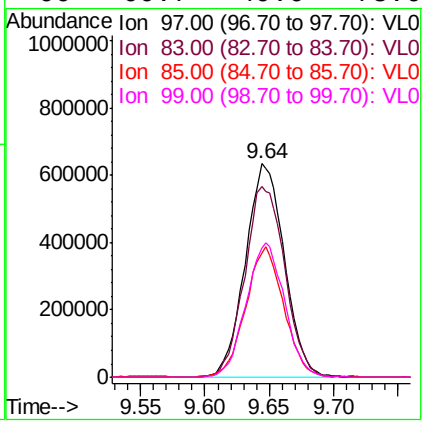


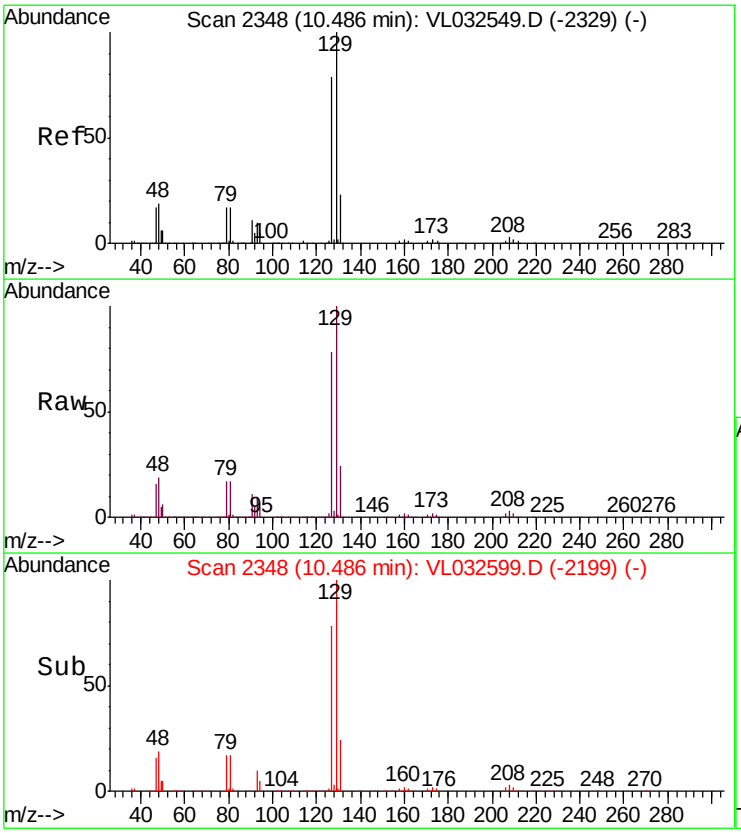
#47
1,1,2-Trichloroethane
Concen: 9.170 ppbv
RT: 9.64 min Scan# 2086
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1339679

Ion	Ratio	Lower	Upper
97	100		
83	89.2	75.0	112.4
85	57.8	47.5	71.3
99	60.7	49.0	73.6

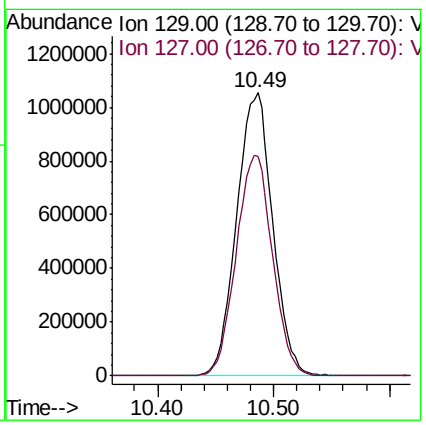


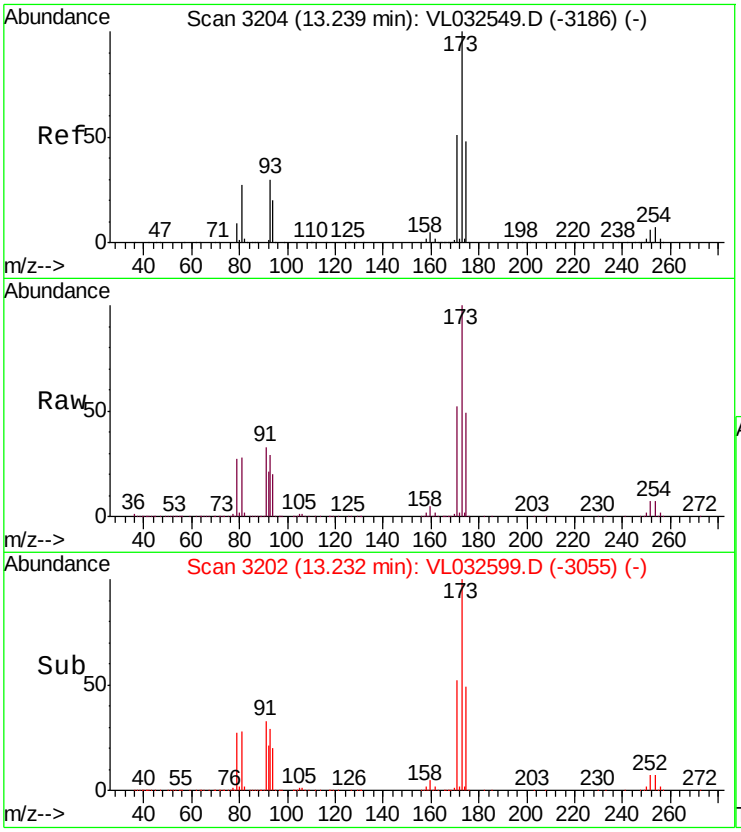


#48
Dibromochloromethane
Concen: 9.941 ppbv
RT: 10.49 min Scan# 2348
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:129 Resp: 2283745

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.3



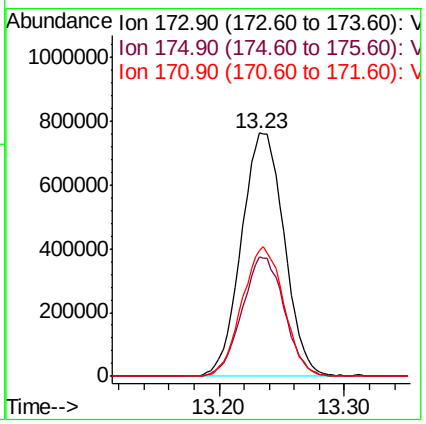


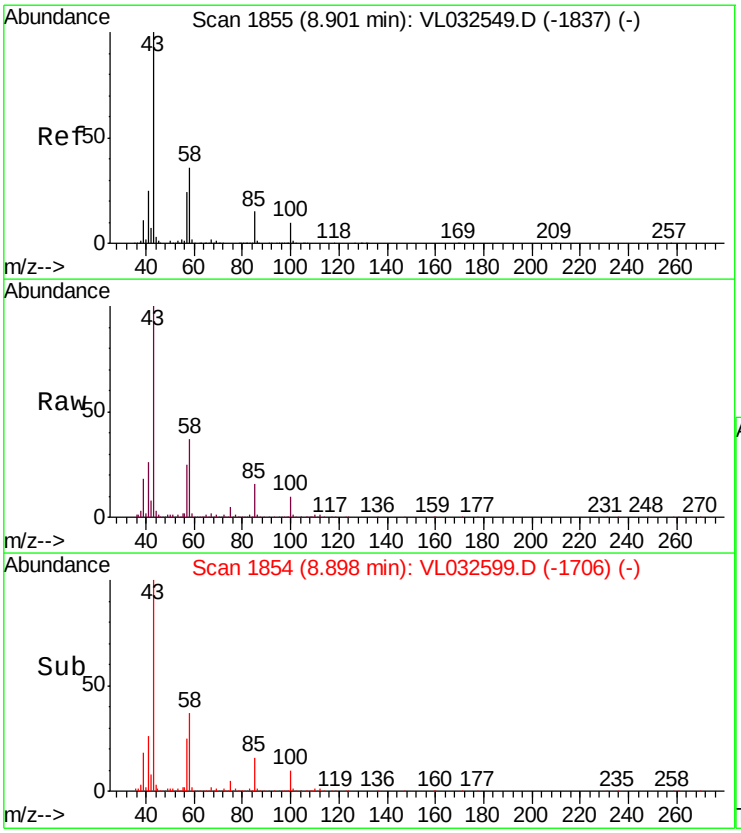
#49
Bromoform
Concen: 10.322 ppbv
RT: 13.23 min Scan# 3202
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1811876

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.9	58.3
171	52.2	41.6	62.4

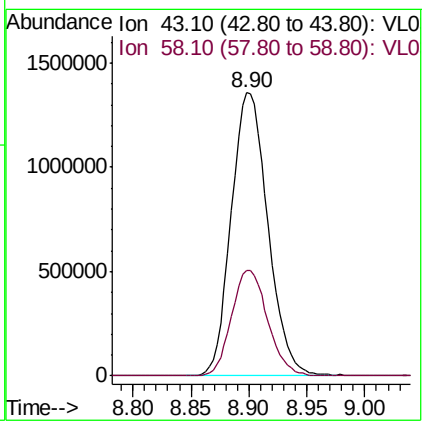


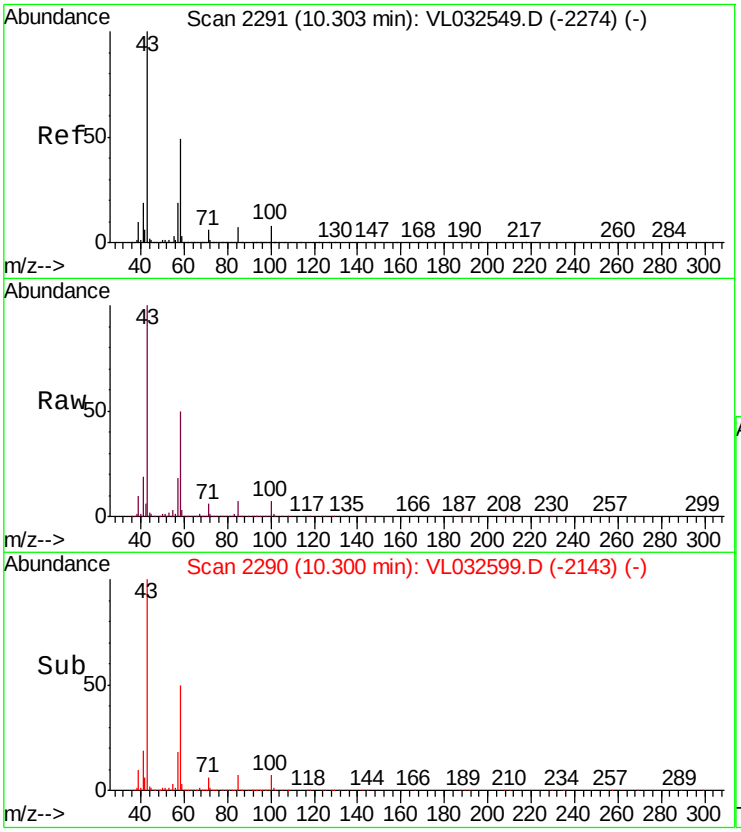


#50
4-Methyl-2-Pentanone
Concen: 8.823 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 43 Resp: 2983047

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.0	43.4



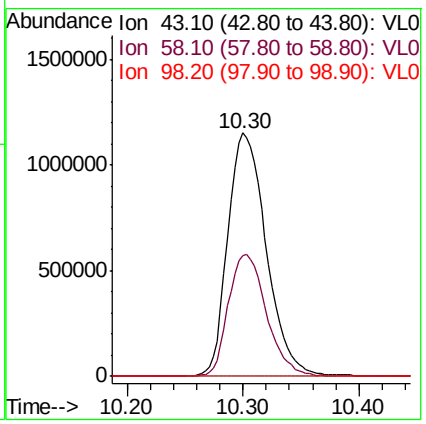


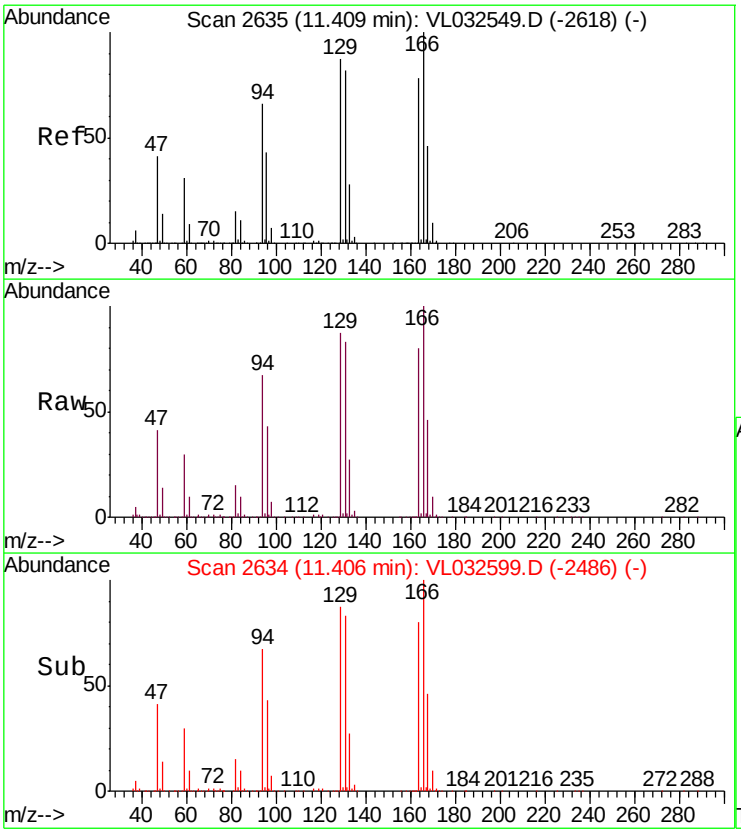
#51
2-Hexanone
Concen: 9.443 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2640453

Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.2	58.8
98	0.6	0.4	0.6

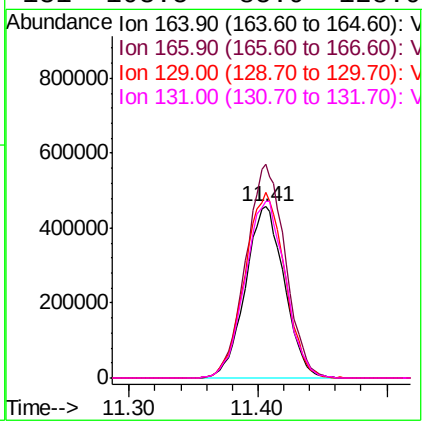


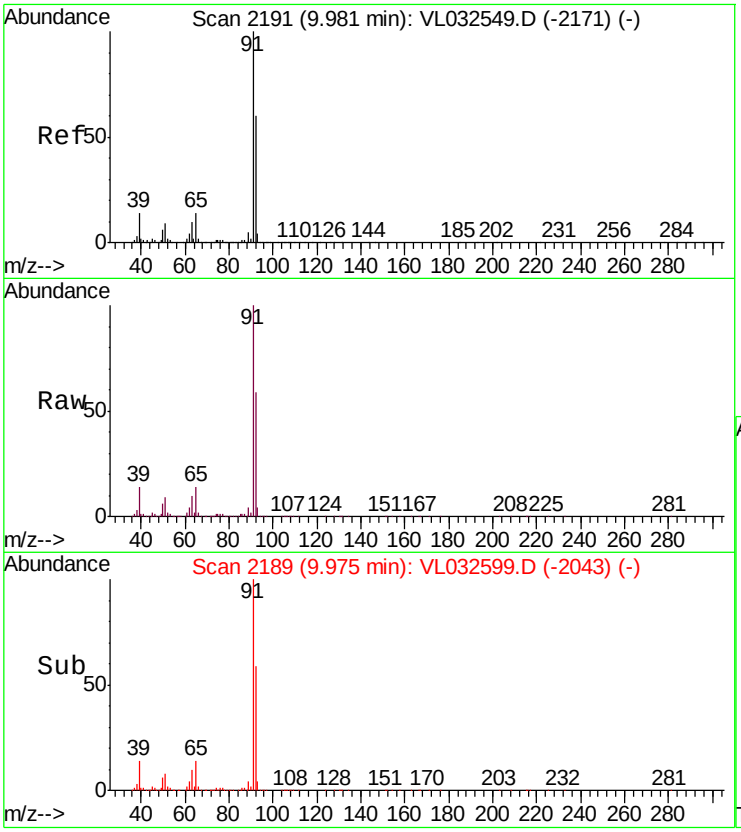


#52
Tetrachloroethene
Concen: 9.466 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:164 Resp: 962056

Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.6	150.8
129	108.7	89.9	134.9
131	103.5	85.9	128.9



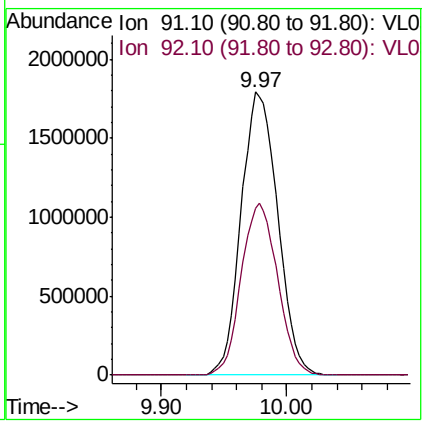


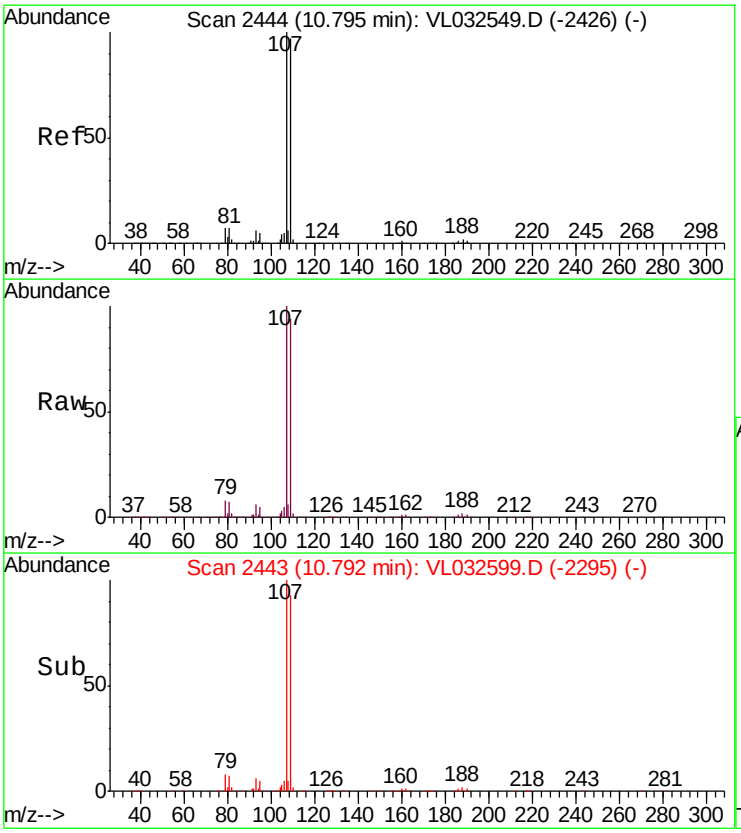
#53
Toluene
Concen: 10.247 ppbv
RT: 9.97 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3644918

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.1	72.1

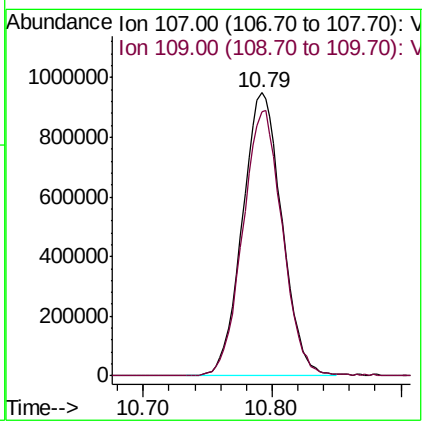


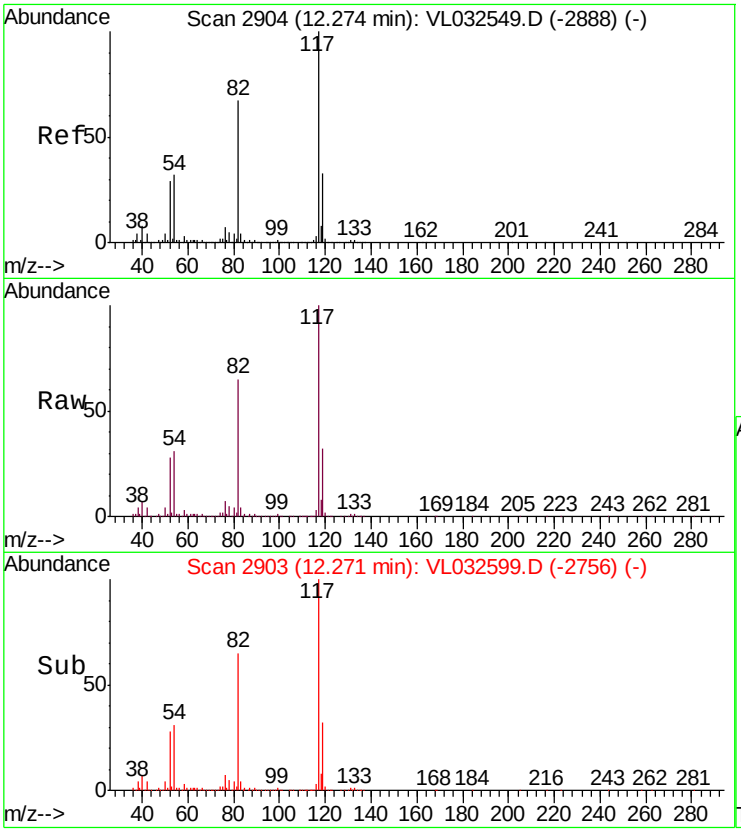


#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 10.79 min Scan# 2443
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:107 Resp: 2025143

Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.9	110.9



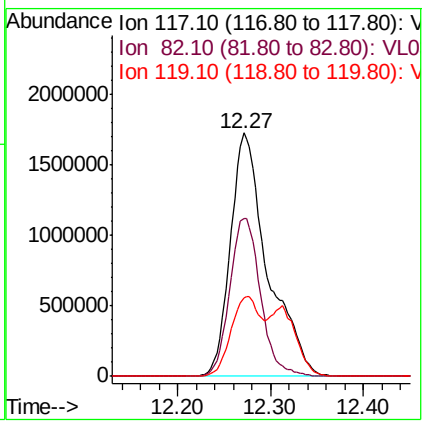


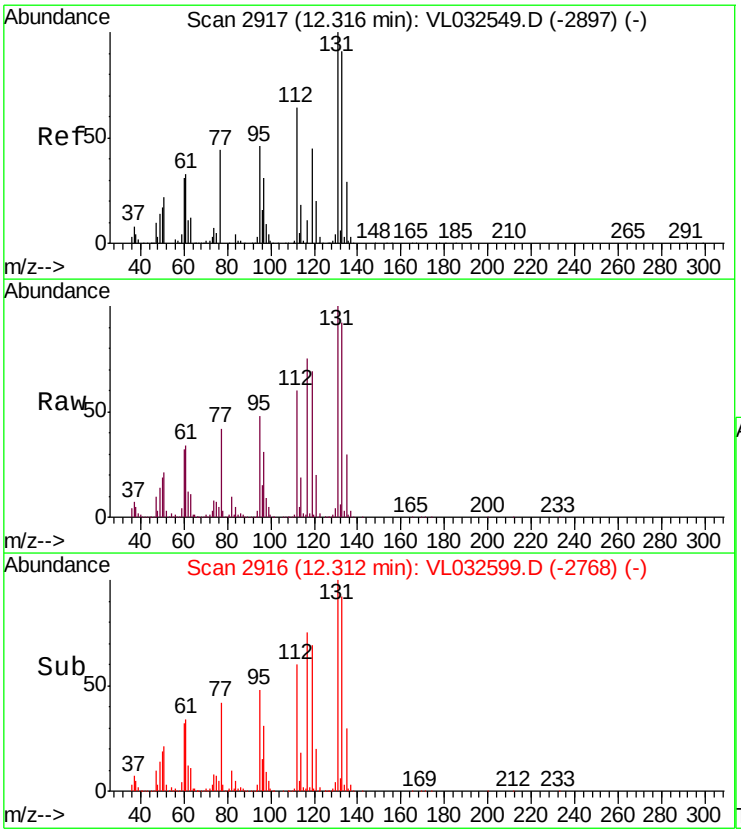
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4811655

Ion	Ratio	Lower	Upper
117	100		
82	53.8	53.0	79.6
119	47.2	45.9	68.9

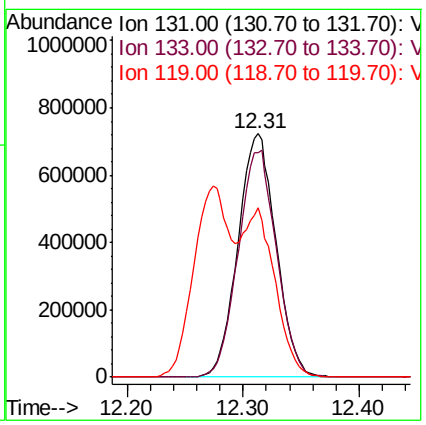


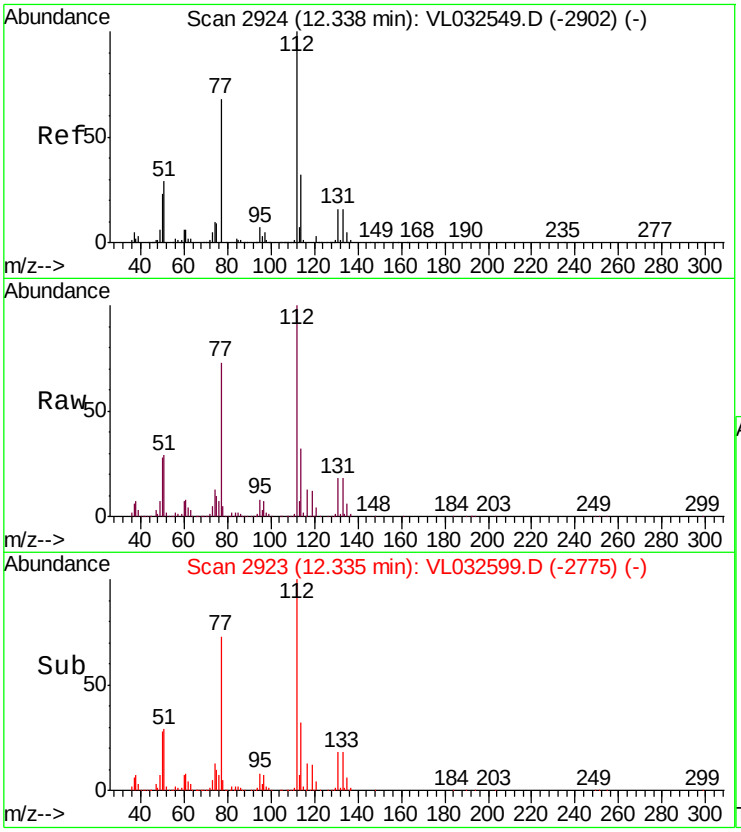


#56
1,1,1,2-Tetrachloroethane
Concen: 7.612 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:131 Resp: 1646315

Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.0	115.4
119	62.0	114.2	171.2#



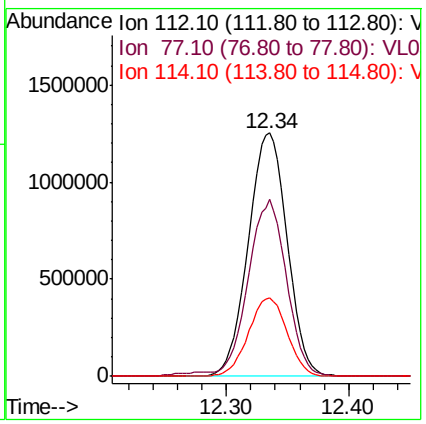


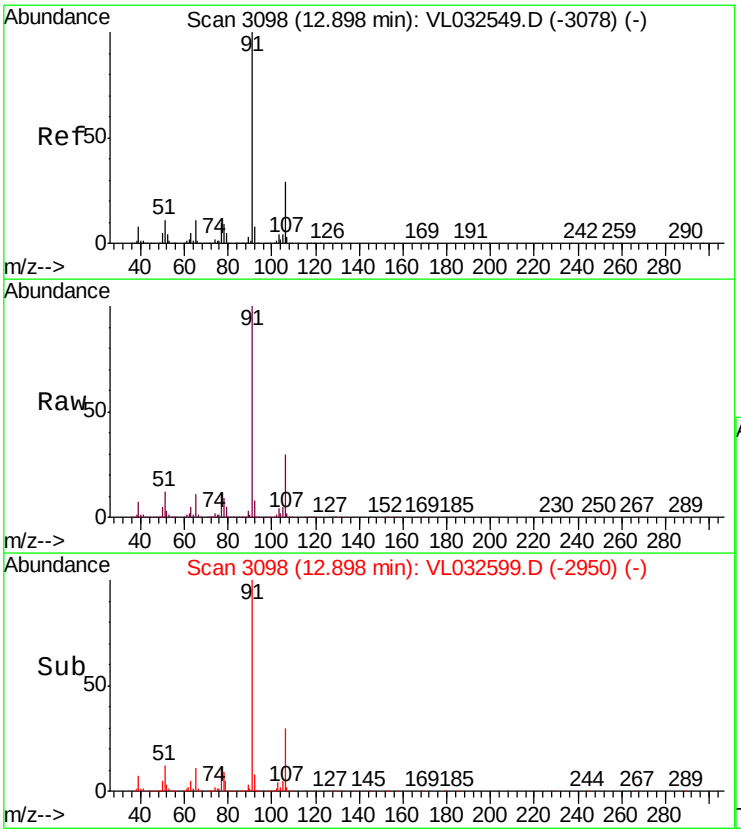
#57
Chlorobenzene
Concen: 7.119 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2759418

Ion	Ratio	Lower	Upper
112	100		
77	72.6	56.1	84.1
114	32.2	27.8	34.0

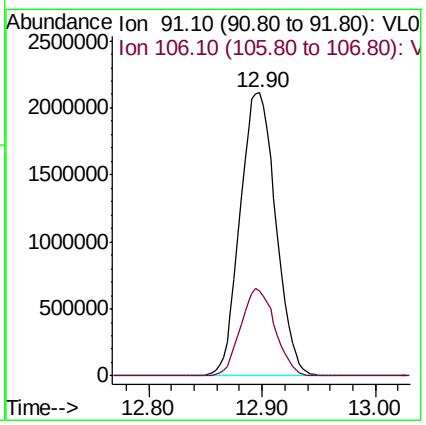


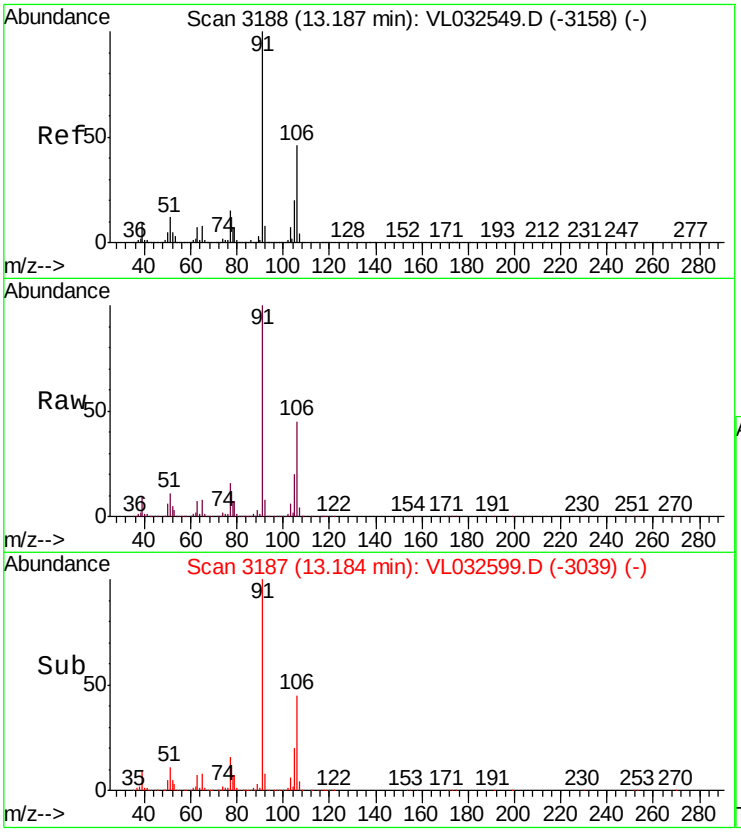


#58
Ethyl Benzene
Concen: 7.949 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 4639262

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.8	37.2



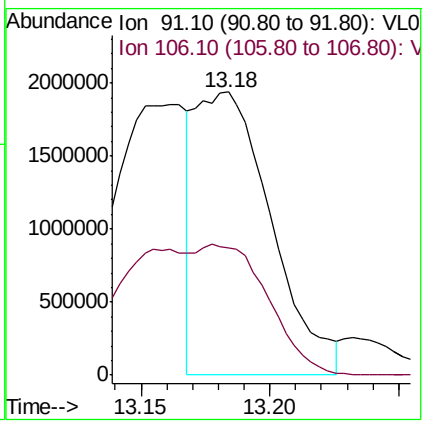


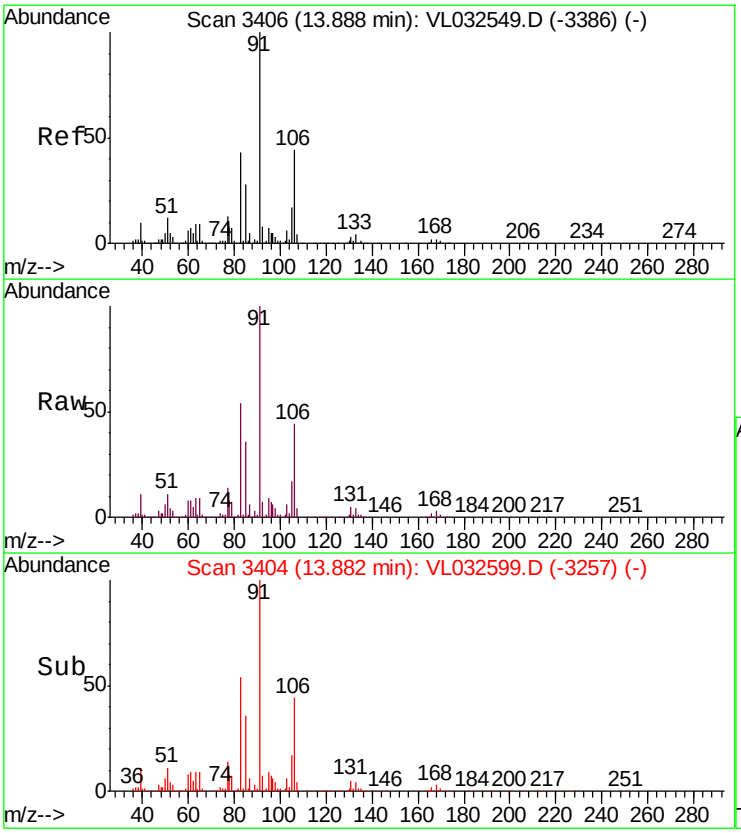
#59
m/p-Xylene
Concen: 7.560 ppbv
RT: 13.18 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3925730

Ion	Ratio	Lower	Upper
91	100		
106	88.8	36.6	55.0#

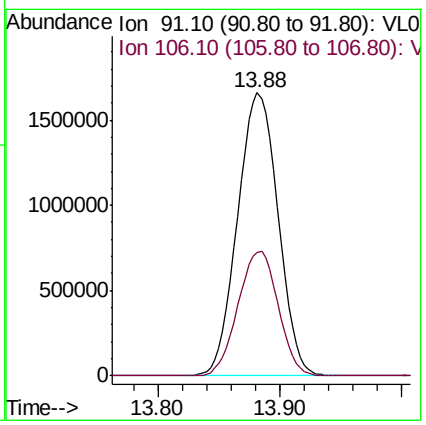


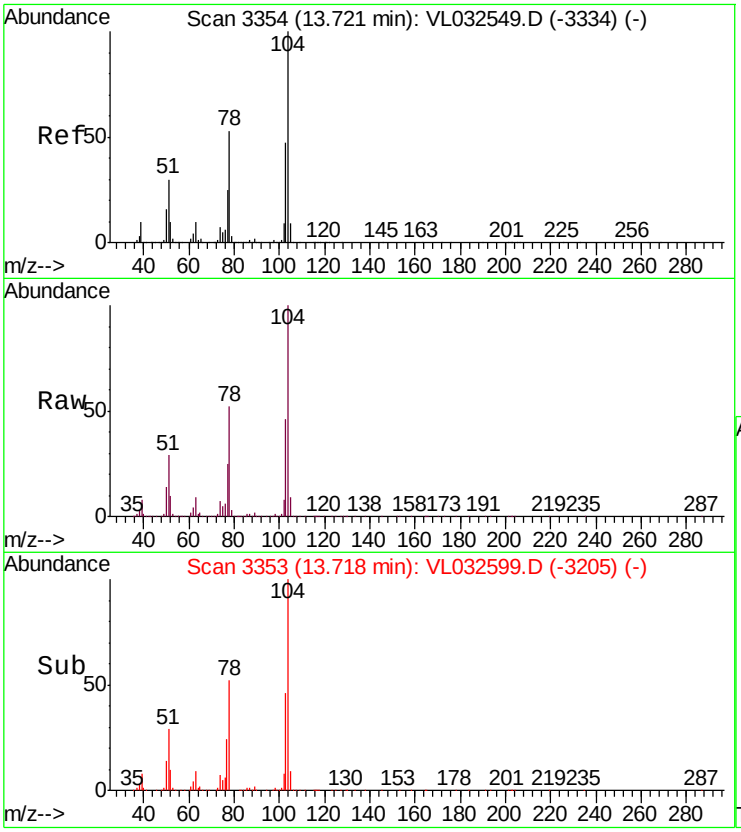


#60
o-Xylene
Concen: 7.530 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 3807039

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.7



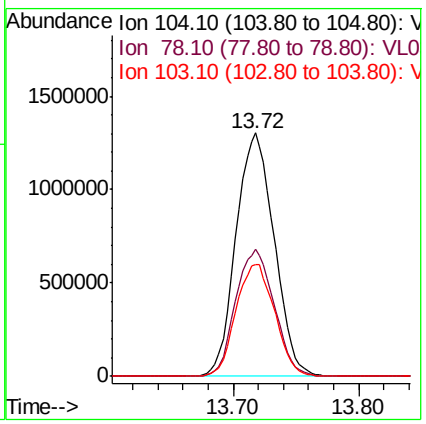


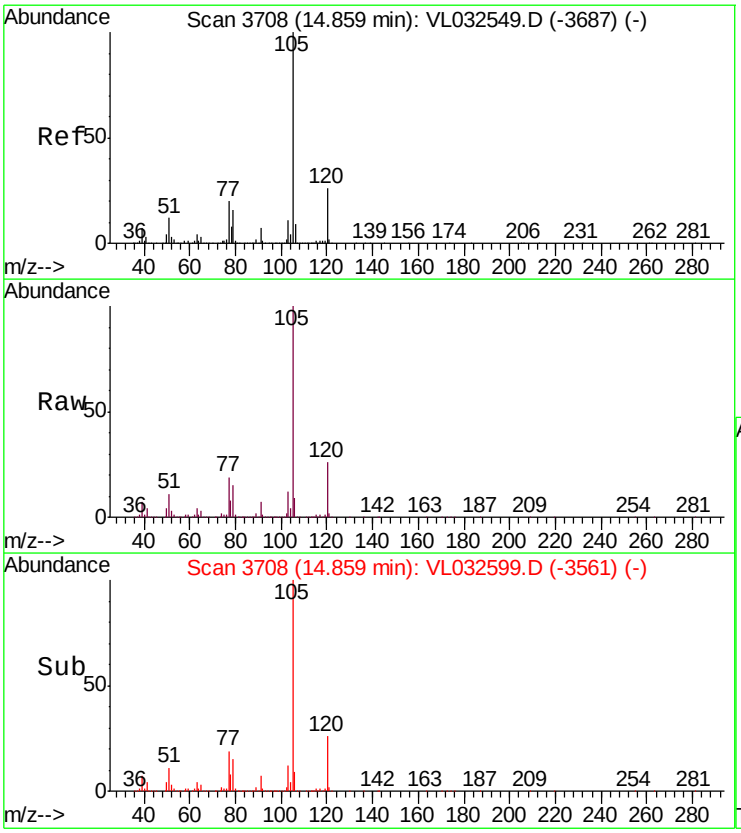
#61
Styrene
Concen: 8.327 ppbv
RT: 13.72 min Scan# 3353
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2753870

Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.8	62.8
103	47.0	38.0	57.0

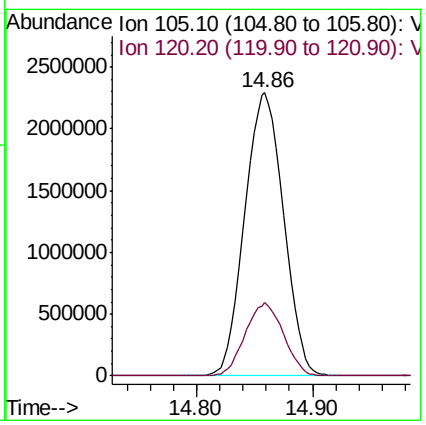


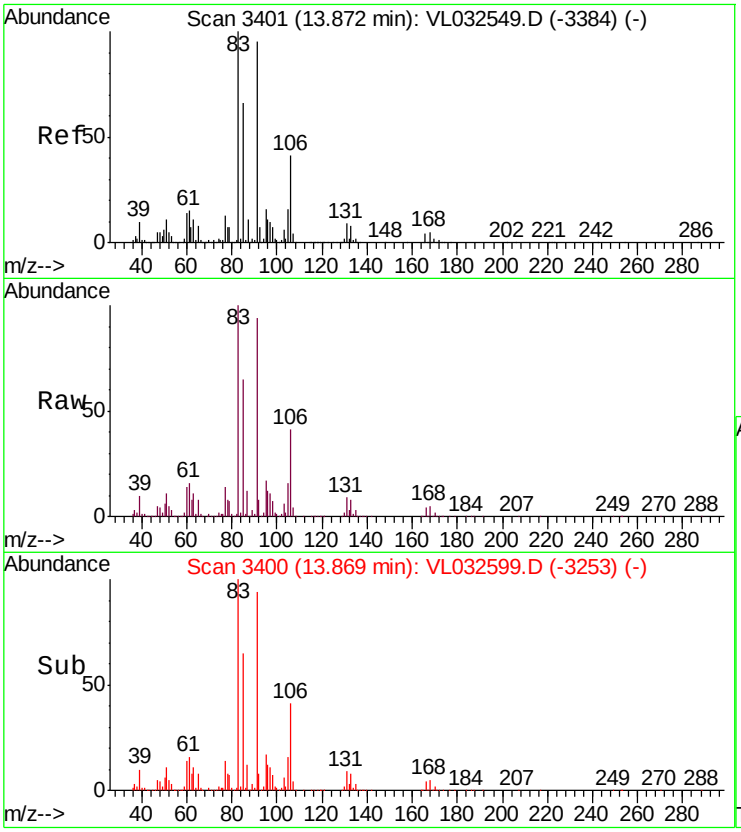


#62
Isopropylbenzene
Concen: 7.478 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:105 Resp: 5347013

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



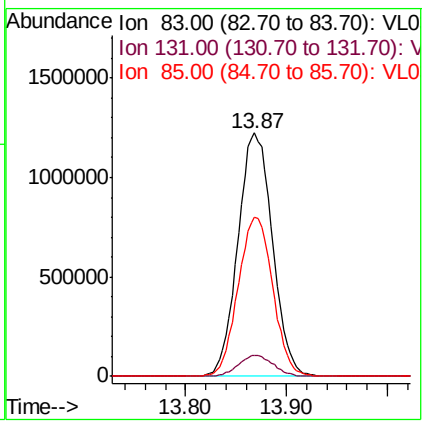


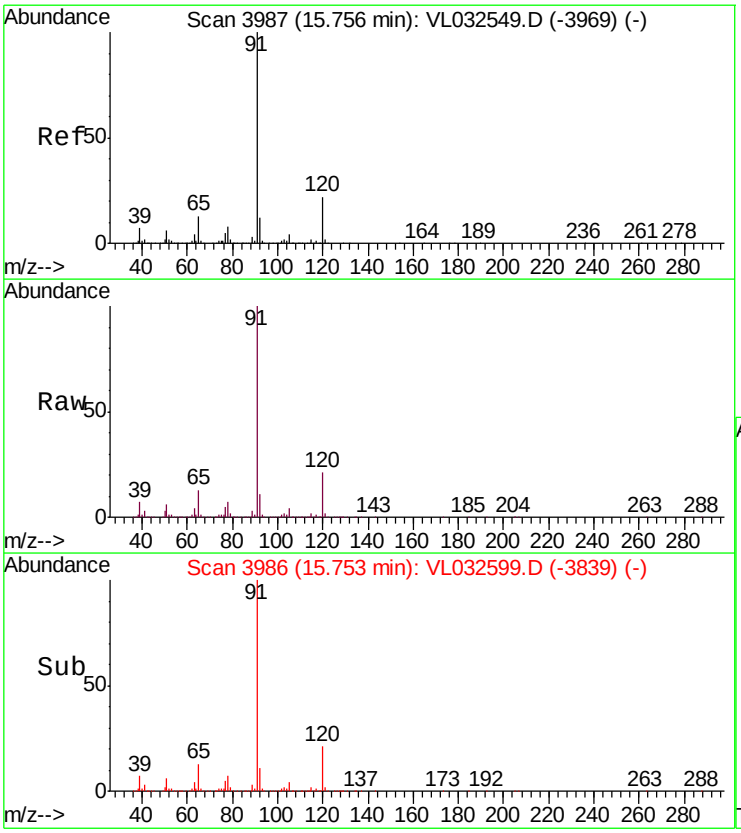
#63
1,1,2,2-Tetrachloroethane
Concen: 6.469 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2905472

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.8
85	65.7	32.3	96.8

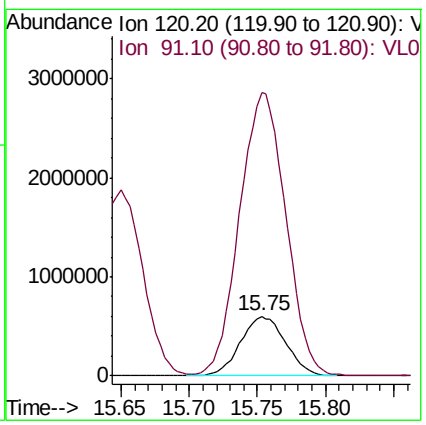


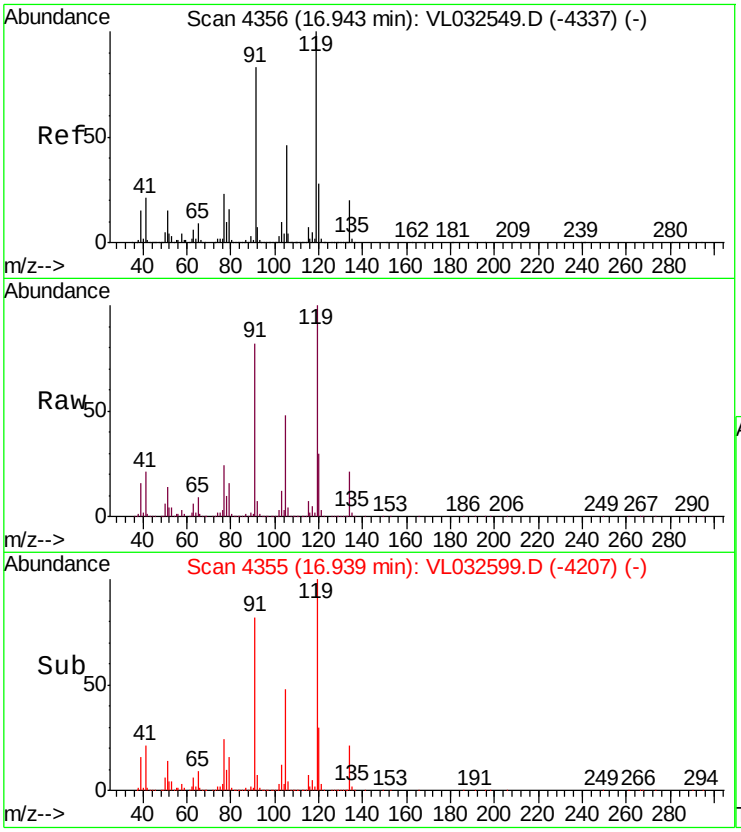


#64
n-propylbenzene
Concen: 7.494 ppbv
RT: 15.75 min Scan# 3986
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:120 Resp: 1376557

Ion	Ratio	Lower	Upper
120	100		
91	489.0	381.8	572.6



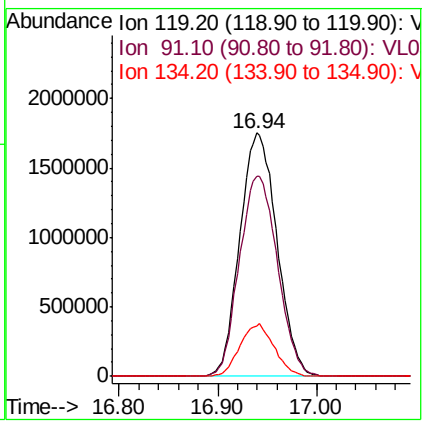


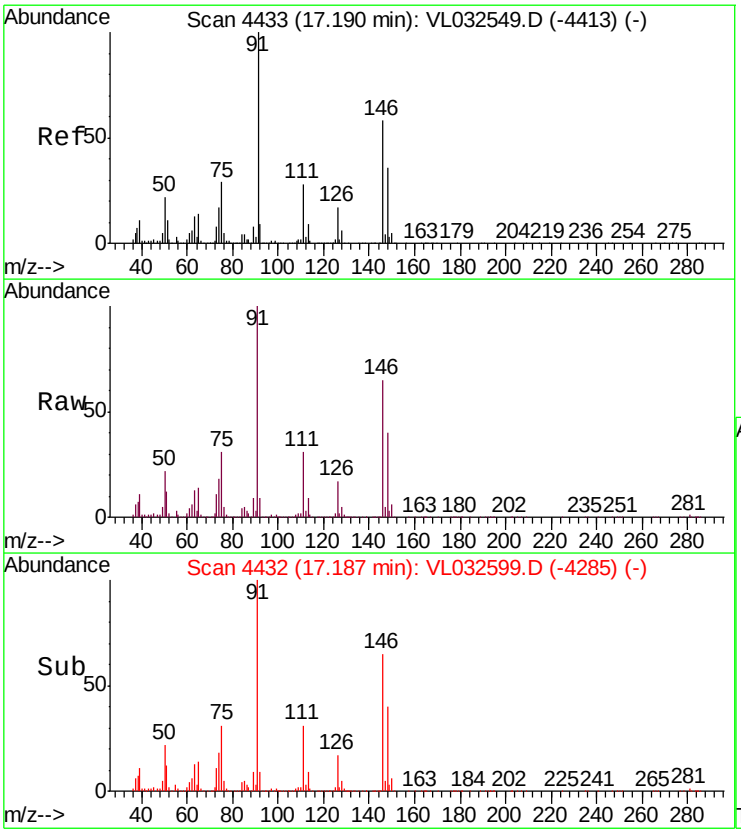
#65
tert-Butylbenzene
Concen: 7.438 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4558032

Ion	Ratio	Lower	Upper
119	100		
91	84.6	66.5	99.7
134	19.9	16.0	24.0

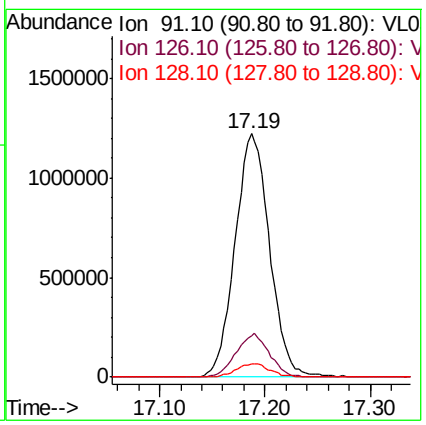


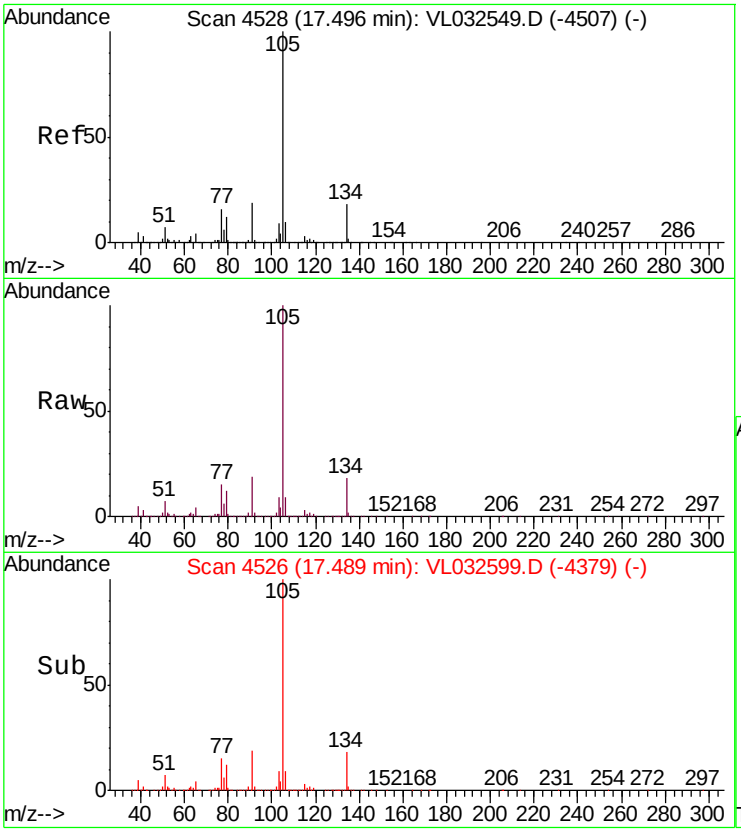


#66
Benzyl Chloride
Concen: 7.848 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 2771937

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



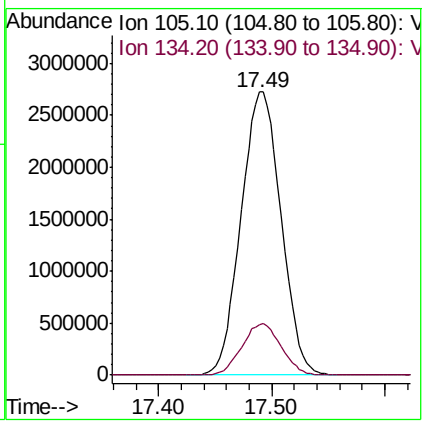


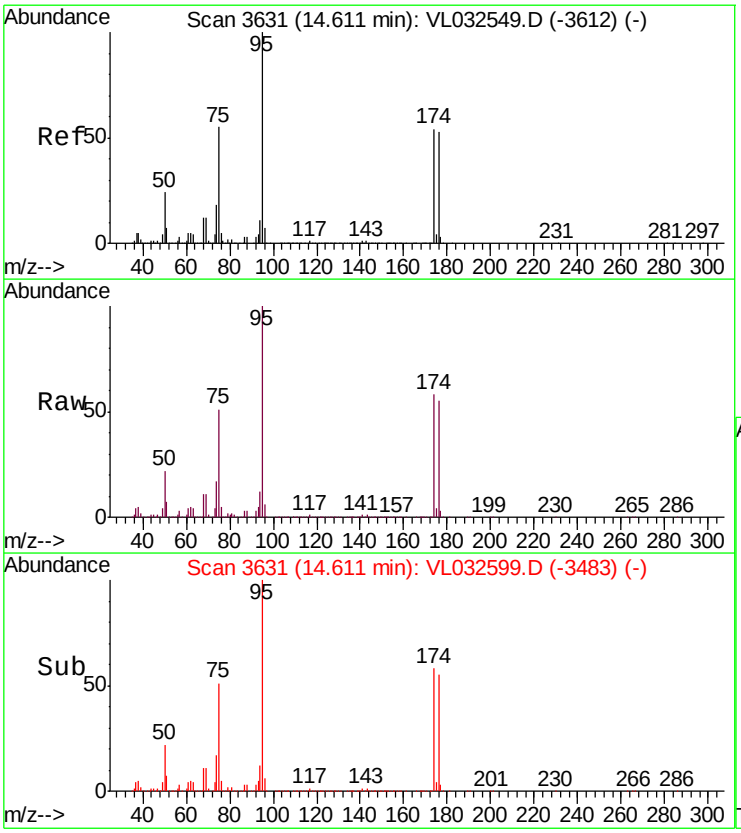
#67
sec-Butylbenzene
Concen: 7.337 ppbv
RT: 17.49 min Scan# 4526
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 6685186

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.4	21.6

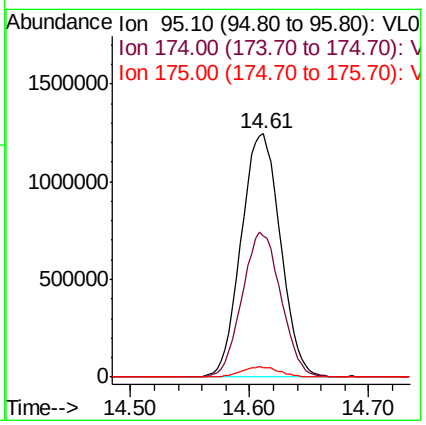


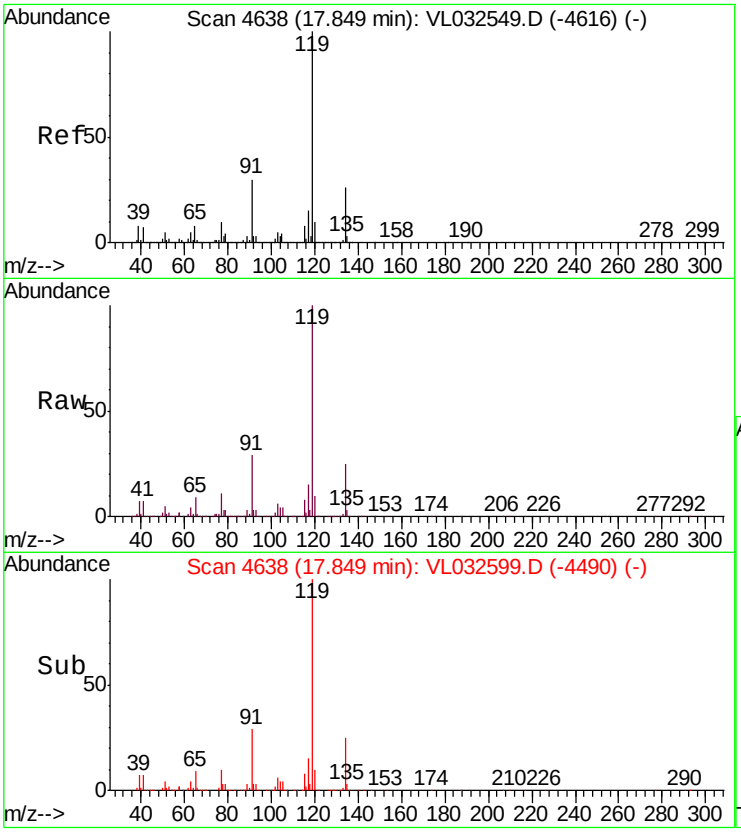


#68
1-Bromo-4-Fluorobenzene
Concen: 7.853 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 95 Resp: 2849410

Ion	Ratio	Lower	Upper
95	100		
174	59.2	46.3	69.5
175	4.2	3.4	5.0



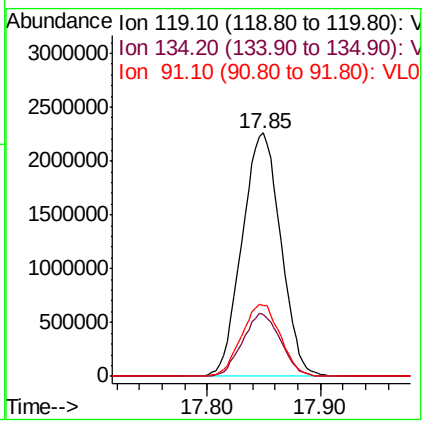


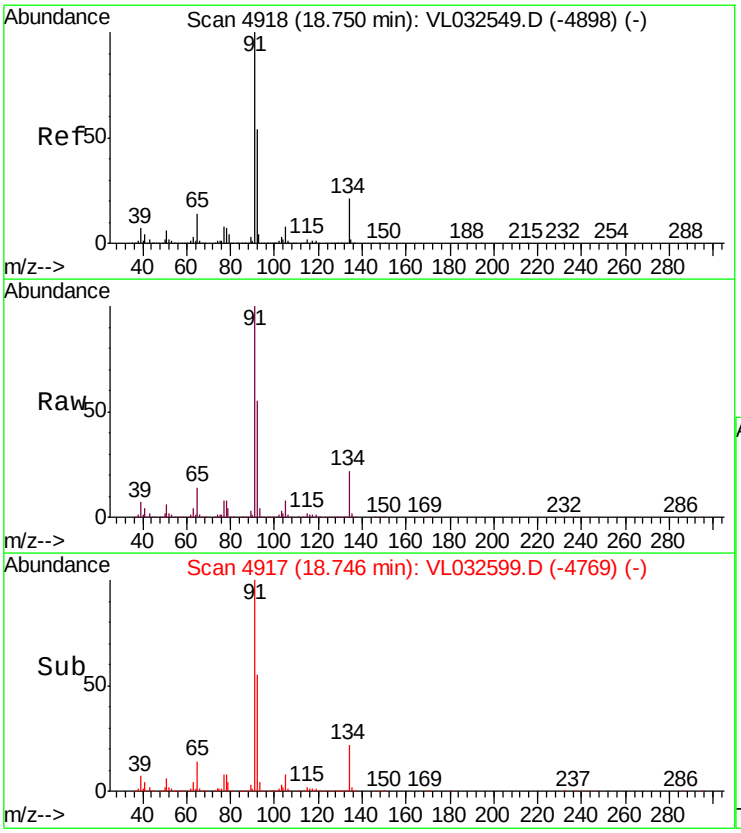
#69
p-Isopropyltoluene
Concen: 7.637 ppbv
RT: 17.85 min Scan# 4638
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 5374338

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	29.7	23.4	35.2

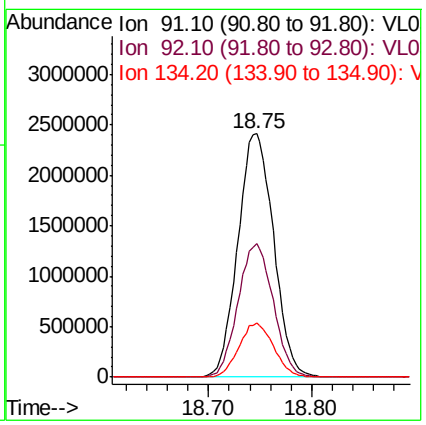


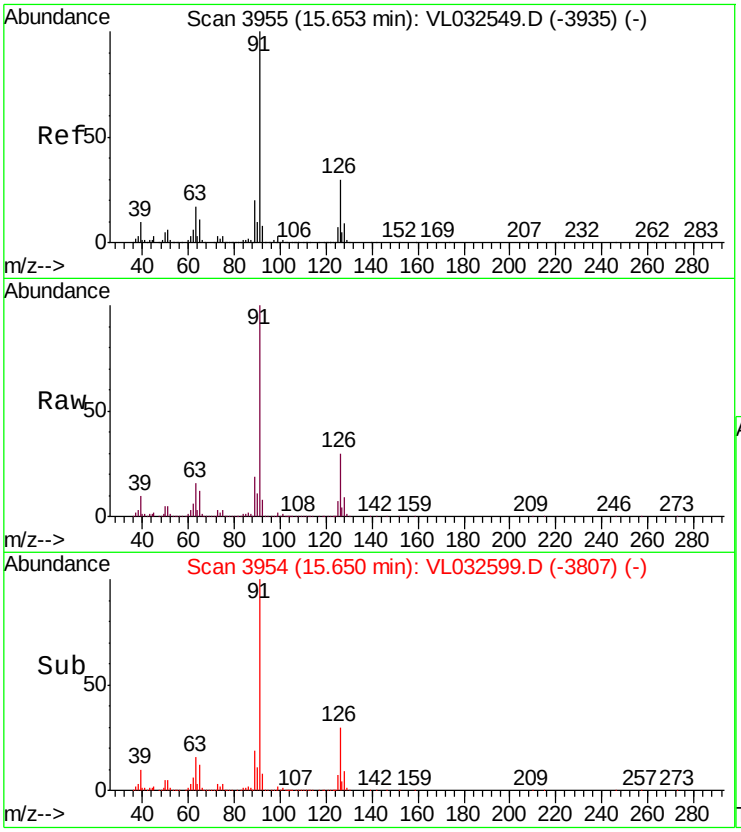


#70
n-Butylbenzene
Concen: 7.534 ppbv
RT: 18.75 min Scan# 4917
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion: 91 Resp: 5791434

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	21.6	17.4	26.0



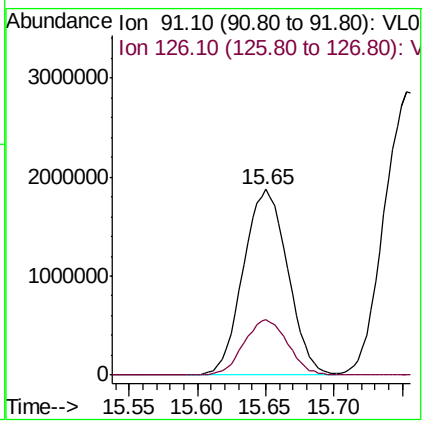


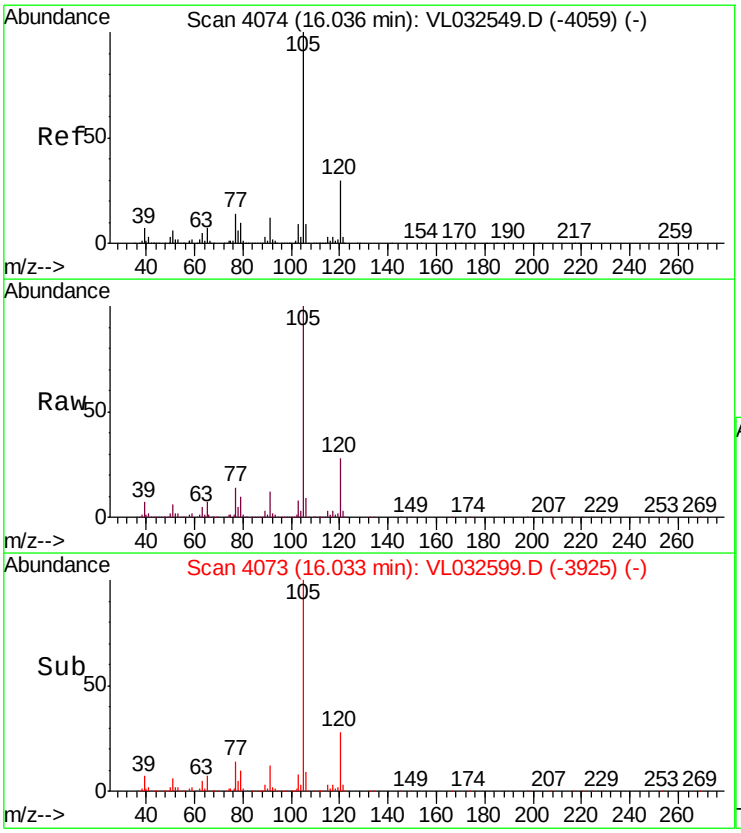
#71
2-Chlorotoluene
Concen: 7.788 ppbv
RT: 15.65 min Scan# 3954
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4241267

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.9	47.7

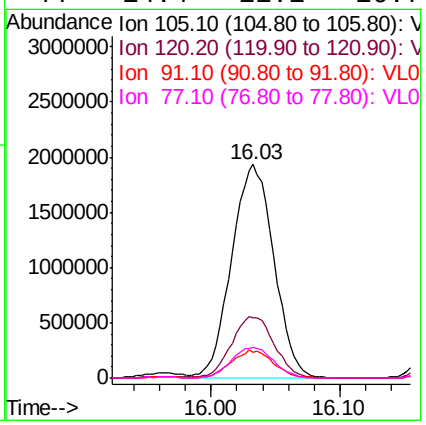


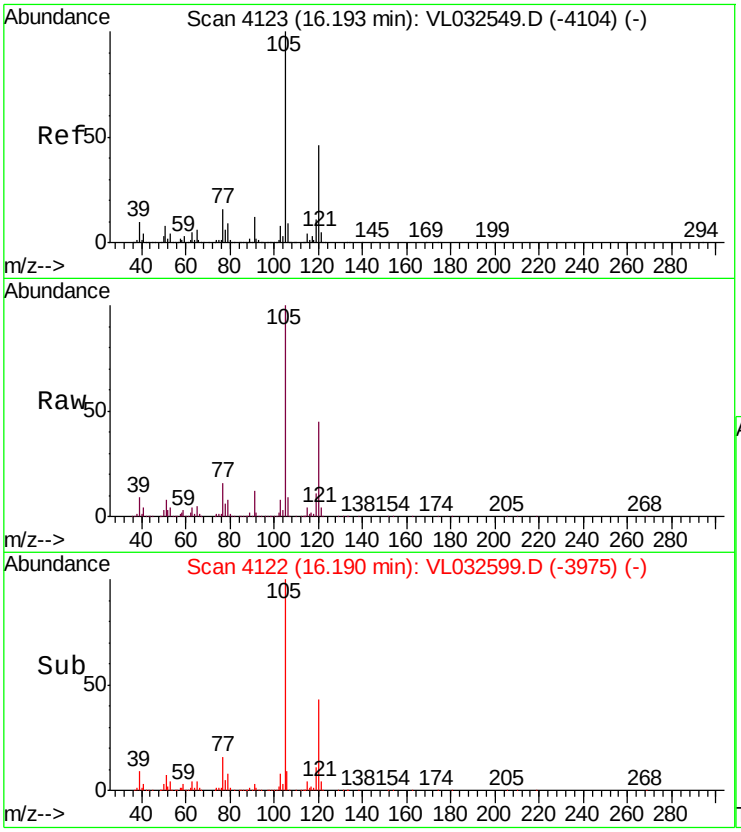


#72
4-Ethyltoluene
Concen: 8.013 ppbv
RT: 16.03 min Scan# 4073
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:105 Resp: 4397345

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	13.4	10.2	15.2
77	14.4	11.1	16.7



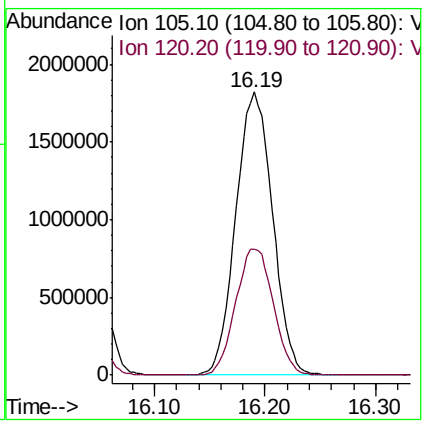


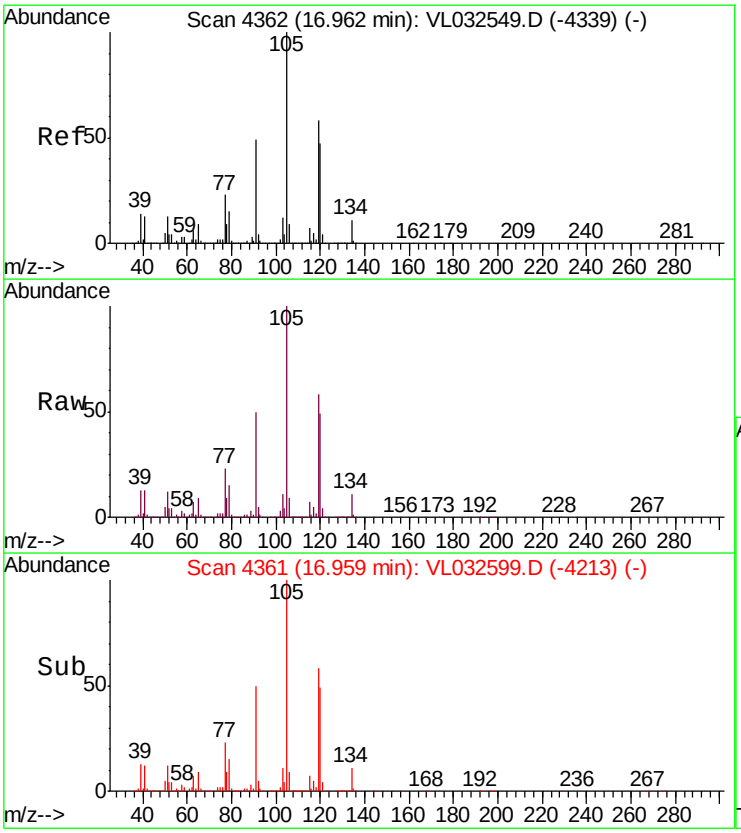
#73
1,3,5-Trimethylbenzene
Concen: 7.901 ppbv
RT: 16.19 min Scan# 4122
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4213880

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.9	56.9

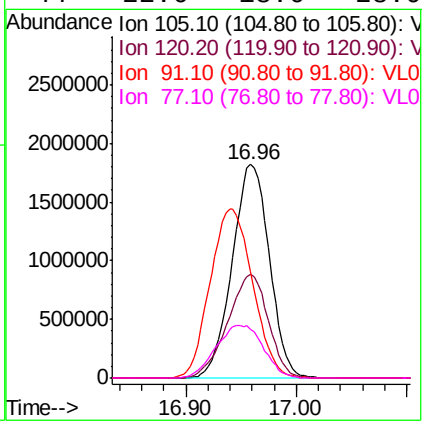


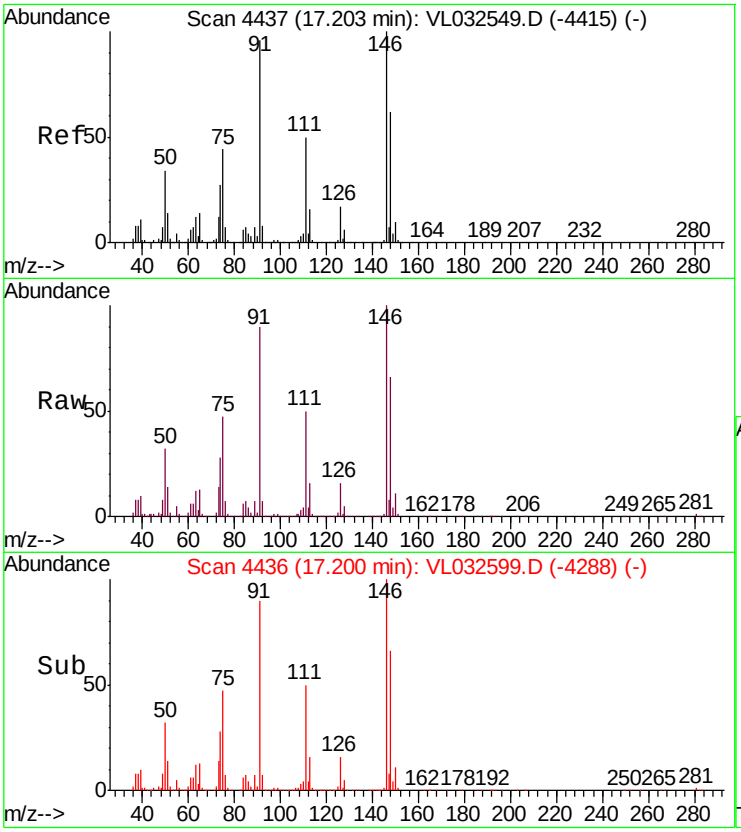


#74
1,2,4-Trimethylbenzene
Concen: 7.405 ppbv
RT: 16.96 min Scan# 4361
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:105 Resp: 4252381

Ion	Ratio	Lower	Upper
105	100		
120	48.8	37.8	56.8
91	49.8	41.4	62.0
77	22.6	18.6	28.0



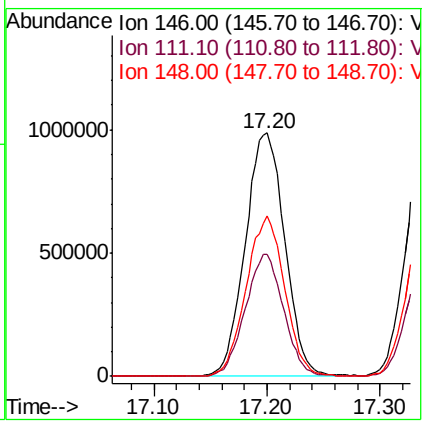


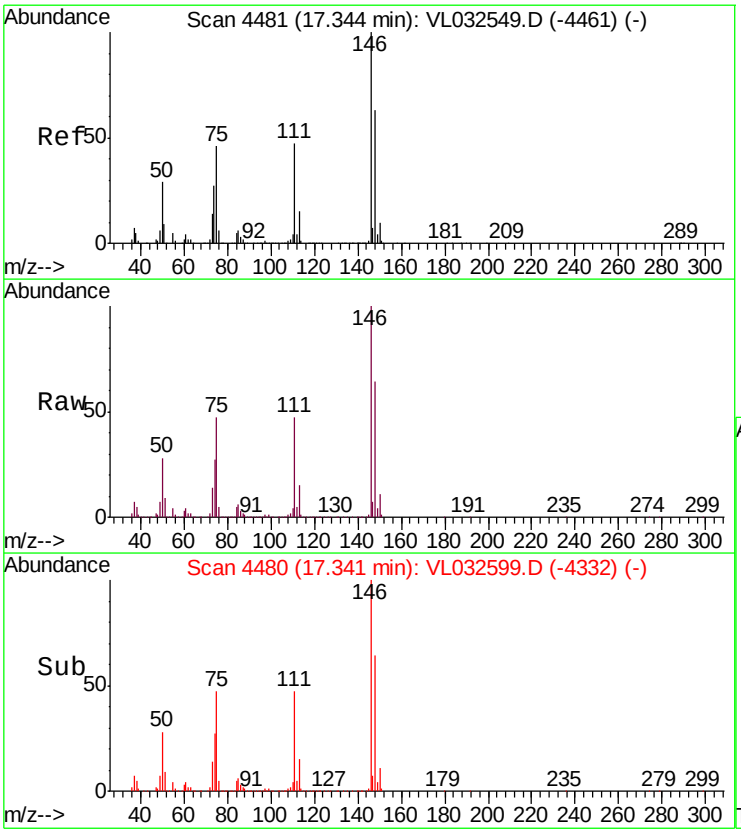
#75
1,3-Dichlorobenzene
Concen: 6.760 ppbv
RT: 17.20 min Scan# 4436
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2395209

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.5	73.5
148	64.4	32.0	96.2

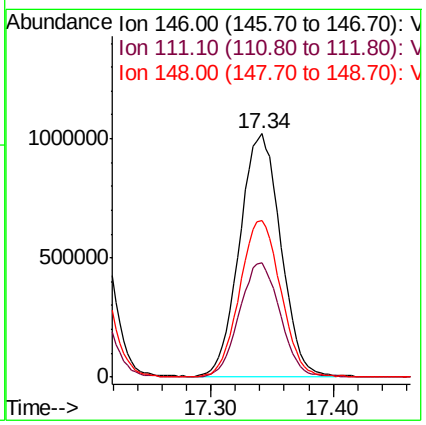


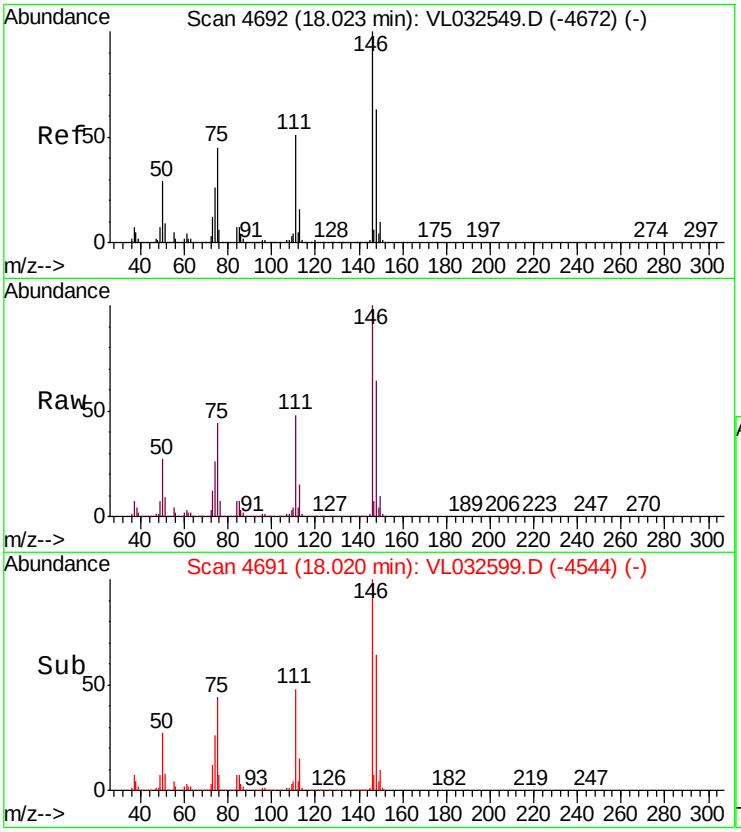


#76
1,4-Dichlorobenzene
Concen: 7.277 ppbv
RT: 17.34 min Scan# 4480
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:146 Resp: 2361108

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	65.1	32.0	96.2



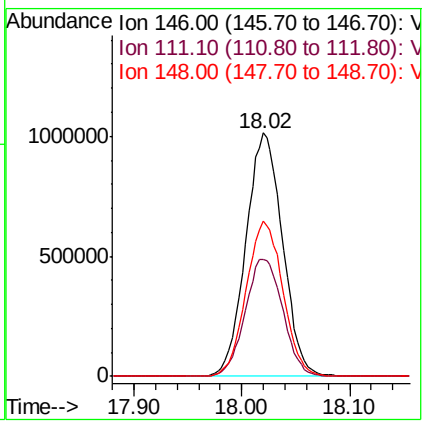


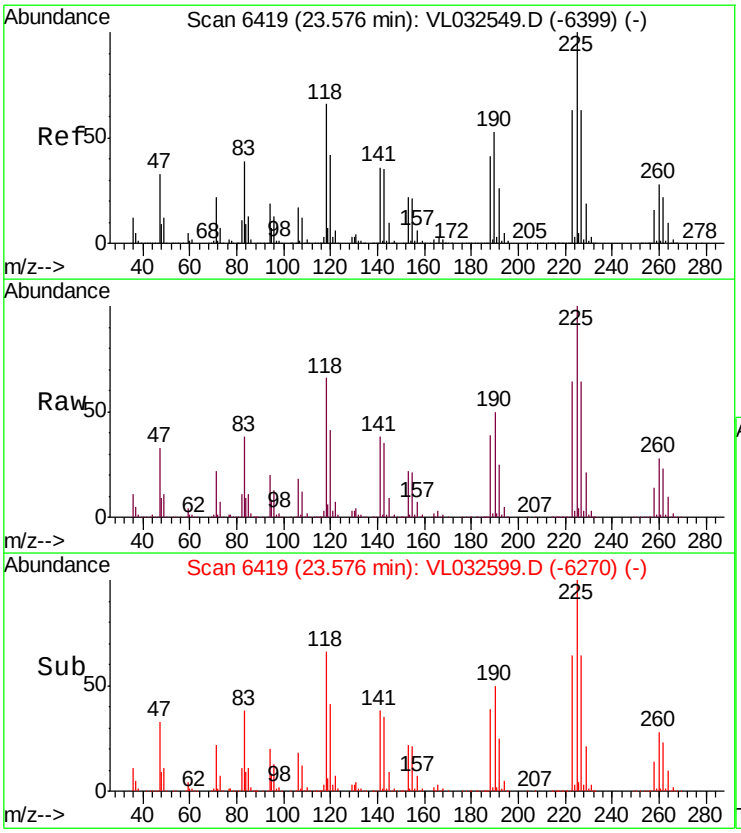
#77
1,2-Dichlorobenzene
Concen: 7.173 ppbv
RT: 18.02 min Scan# 4691
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2390395

Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.9	74.8
148	64.0	32.0	96.0

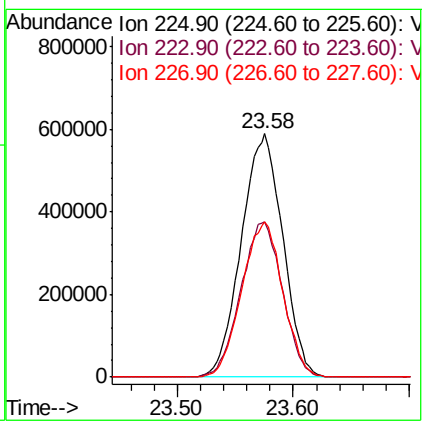


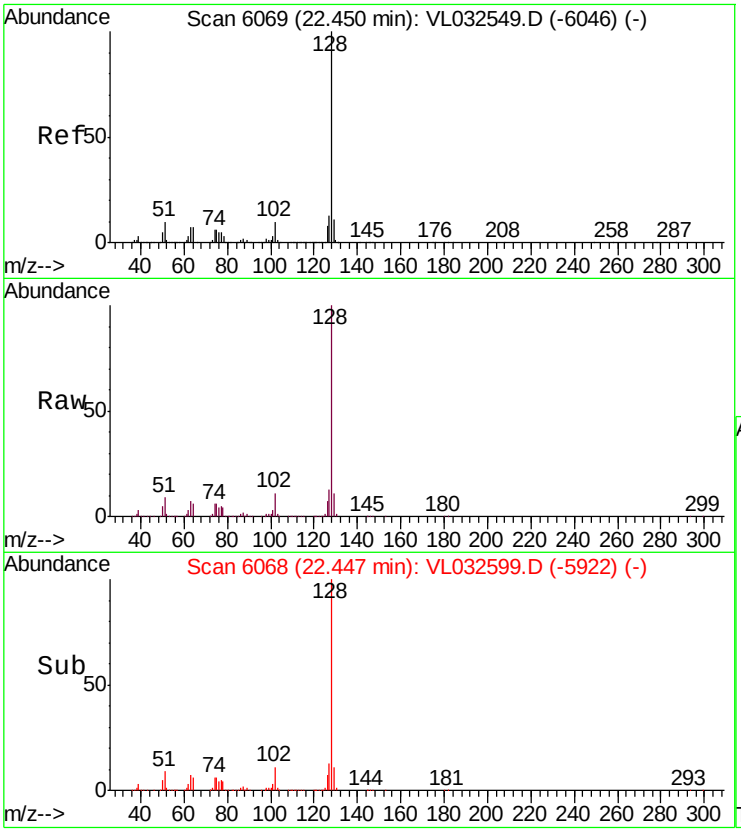


#78
Hexachloro-1,3-Butadiene
Concen: 11.712 ppbv
RT: 23.58 min Scan# 6419
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:225 Resp: 1464716

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	63.3	51.2	76.8



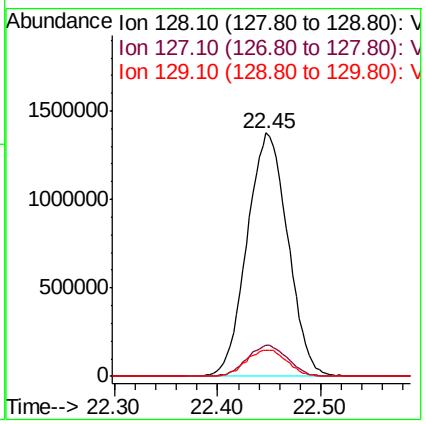


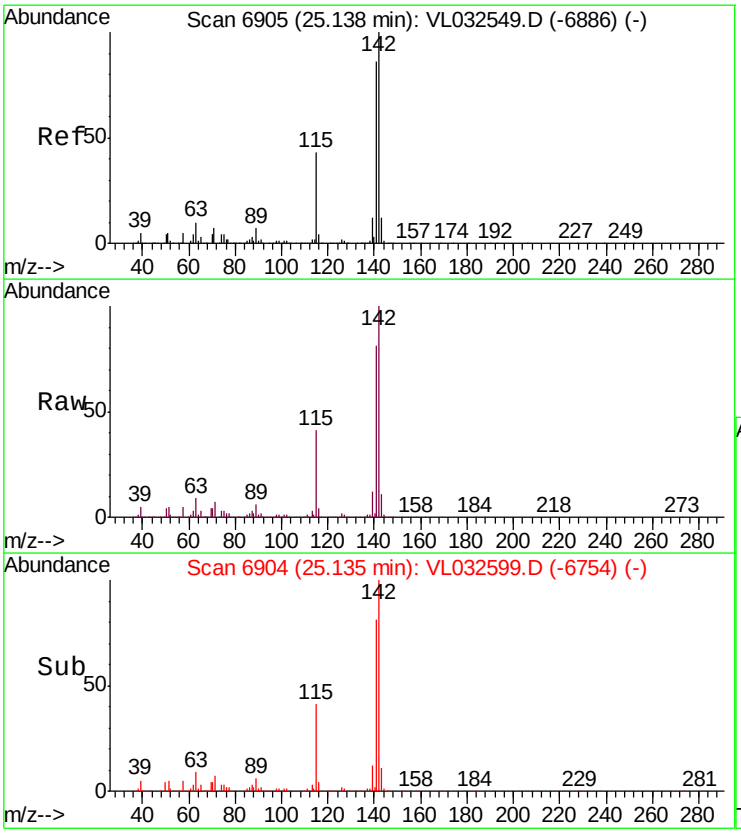
#79
Naphthalene
Concen: 9.122 ppbv
RT: 22.45 min Scan# 6068
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3777771

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.5	12.7

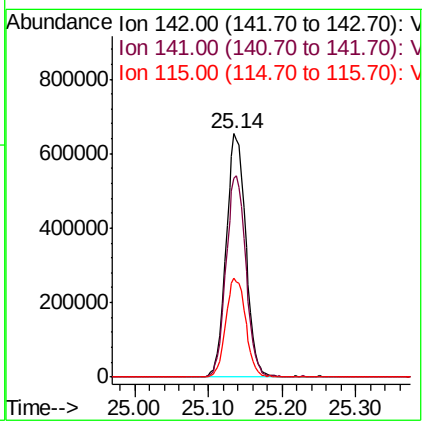


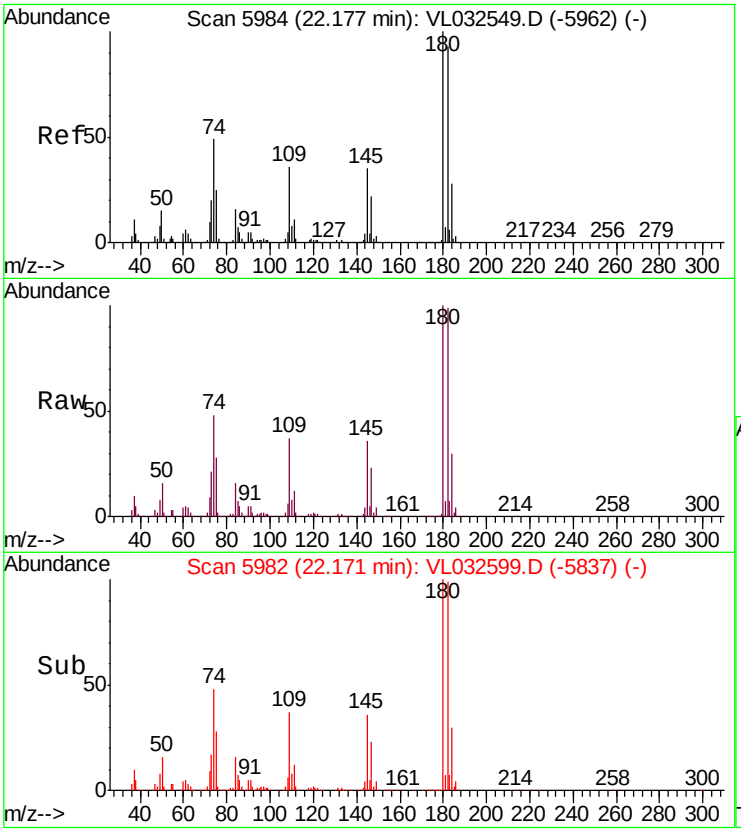


#80
Naphthalene,2-methyl-
Concen: 12.424 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Tgt Ion:142 Resp: 1208034

Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.0	100.6
115	41.3	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 8.393 ppbv
RT: 22.17 min Scan# 5982
Delta R.T. -0.03 min
Lab File: VL032599.D
Acq: 11 Oct 2018 9:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1781542

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.0	23.8	35.8