Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\

Quantitation Report (Not Reviewed)

Data File : VL032634.D
Acq On : 17 Oct 2018 7:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Quant Time: Oct 17 16:13:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1235852	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	2908209	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	2964594	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	2264330	10.14	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1011244	11.147	ppbv		98
3) Chlorodifluoromethane	3.03	51	1036202	10.021	ppbv		100
4) Chloromethane	3.18	50	585207	10.367	ppbv		99
5) Vinyl Chloride	3.31	62	594126	10.447	ppbv		99
6) Bromomethane	3.53	94	354083	9.857	ppbv		91
7) Chloroethane	3.62	64	224343	10.078	ppbv		97
8) Dichlorotetrafluoroethane	3.23	85	1357259	9.742	ppbv		99
9) Propene	3.05	41	438601	11.570	ppbv		99
10) Heptane	8.27	43	1613772	11.368	ppbv		99
11) Trichlorofluoromethane	4.02	101	1540274	9.702	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1074175	9.241	ppbv		100
13) Ethanol	3.67	45	114634	9.773	ppbv		96
14) Bromoethene	3.80	108	431959	10.157	ppbv		98
15) Acetone	3.92	43	1005963	9.147	ppbv		99
16) 1,3-Butadiene	3.38	39	420153	10.317	ppbv		97
17) tert-Butyl alcohol	4.38	59	104917	10.453	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	515657	9.837	ppbv		99
19) Isopropyl Alcohol	4.04	45	850506	10.950	ppbv	#	98
20) Methylene Chloride	4.43	84	443700	9.006	ppbv		97
21) Allyl Chloride	4.49	41	869502	10.535	ppbv		99
22) trans-1,2-Dichloroethene	4.98	96	596038	9.842	ppbv		92
23) Vinyl Acetate	5.17	43	2022528	11.560	ppbv		99
24) 1,1-Dichloroethane	5.11	63	1623723	10.010	ppbv		99
25) Ethyl Acetate	5.79	43	2595251	9.973	ppbv		100
26) Hexane	5.80	57	1215232	10.367	ppbv		100
27) Carbon Disulfide	4.64	76	1381885	9.756	ppbv		100
28) Methyl tert-Butyl Ether	5.13	73	1682536	11.422	ppbv		99
29) Chloroform	5.87	83	2020535	9.835	ppbv		99
30) Cyclohexane	7.27	84	1062722	11.497	ppbv		99
31) cis-1,2-Dichloroethene	5.66	61	1272294	11.299	ppbv		96
32) 1,1,1-Trichloroethane	6.64	97	1979722	9.659	ppbv		99
34) 2-Butanone	5.35	43	1777344	11.011	ppbv		99
35) Carbon Tetrachloride	7.16	117	2069534	9.182	ppbv		98
36) Benzene	7.03	78	2568725	10.897	ppbv		98
37) 1,2-Dichloroethane	6.43	62	1590175	9.836	ppbv		99
38) Trichloroethene	7.98	130	946023	10.674	ppbv		98
39) 1,2-Dichloropropane	7.76	63	1000932	10.438	ppbv		99
40) 1,4-Dioxane	7.98	88	335705	10.133	ppbv	#	91
41) Tetrahydrofuran	6.17	42	1006364	11.751	ppbv		100
42) Bromodichloromethane	7.94	83	2199688	9.981	ppbv		99
43) Methyl Methacrylate	8.16	69	1076452	11.777	ppbv		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\

Quantitation Report (Not Reviewed)

Data File : VL032634.D
Acq On : 17 Oct 2018 7:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Quant Time: Oct 17 16:13:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4478210	10.716	ppbv		100
45) t-1,3-Dichloropropene	9.44	75	1500099	12.552	ppbv		99
46) cis-1,3-Dichloropropene	8.86	75	1637478	12.035	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	1140352	9.951	ppbv		98
48) Dibromochloromethane	10.47	129	1982759	10.187	ppbv		99
49) Bromoform	13.23	173	1499965	10.199	ppbv		100
50) 4-Methyl-2-Pentanone	8.89	43	2594406	10.920	ppbv		99
51) 2-Hexanone	10.29	43	2280193	12.206	ppbv		99
52) Tetrachloroethene	11.40	164	823909	10.617	ppbv		100
53) Toluene	9.97	91	3202492	11.917	ppbv		99
54) 1,2-Dibromoethane	10.79	107	1772990	10.805	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1292509	9.495	ppbv		99
57) Chlorobenzene	12.33	112	2219793	9.846	ppbv		100
58) Ethyl Benzene	12.89	91	3978231	11.949	ppbv		100
59) m/p-Xylene	13.18	91	3324133	11.185	ppbv	#	32
60) o-Xylene	13.87	91	3235802	10.926	ppbv		100
61) Styrene	13.71	104	2321702	12.936	ppbv		100
62) Isopropylbenzene	14.85	105	4533573	10.745	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2402560	9.193	ppbv		99
64) n-propylbenzene	15.74	120	1165494	10.902	ppbv		99
65) tert-Butylbenzene	16.93	119	3845191	10.741	ppbv		100
66) Benzyl Chloride	17.18	91	2302791	11.409	ppbv		99
67) sec-Butylbenzene	17.48	105	5707625	10.593	ppbv		100
69) p-Isopropyltoluene	17.84	119	4531823	11.113	ppbv		100
70) n-Butylbenzene	18.74	91	4909321	10.927	ppbv		100
71) 2-Chlorotoluene	15.64	91	3569363	11.445	ppbv		99
72) 4-Ethyltoluene	16.02	105	3725408	11.637	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	3540712	11.120	ppbv		98
74) 1,2,4-Trimethylbenzene	16.95	105	3580097	10.212	ppbv		92
75) 1,3-Dichlorobenzene	17.19	146	1962981	9.634	ppbv		100
76) 1,4-Dichlorobenzene	17.33	146	1928383	10.387	ppbv		99
77) 1,2-Dichlorobenzene	18.01	146	1960654	10.010	ppbv		100
78) Hexachloro-1,3-Butadiene	23.57	225	1166560	10.642	ppbv		99
79) Naphthalene	22.44	128	1584480	6.646	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	879829	11.301	ppbv		100
81) 1,2,4-Trichlorobenzene	22.16	180	1409694	11.912	ppbv		99

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

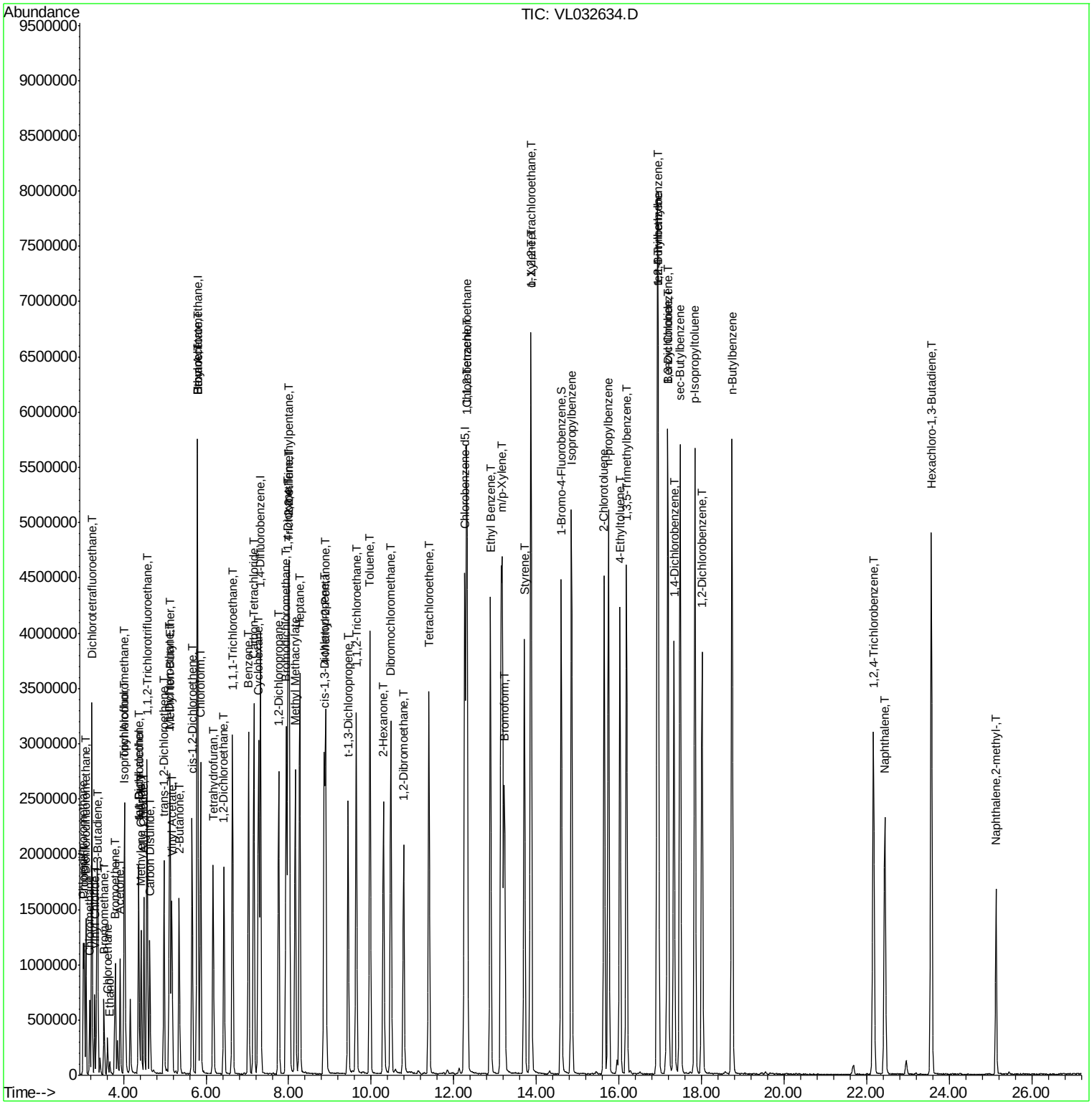
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101718\

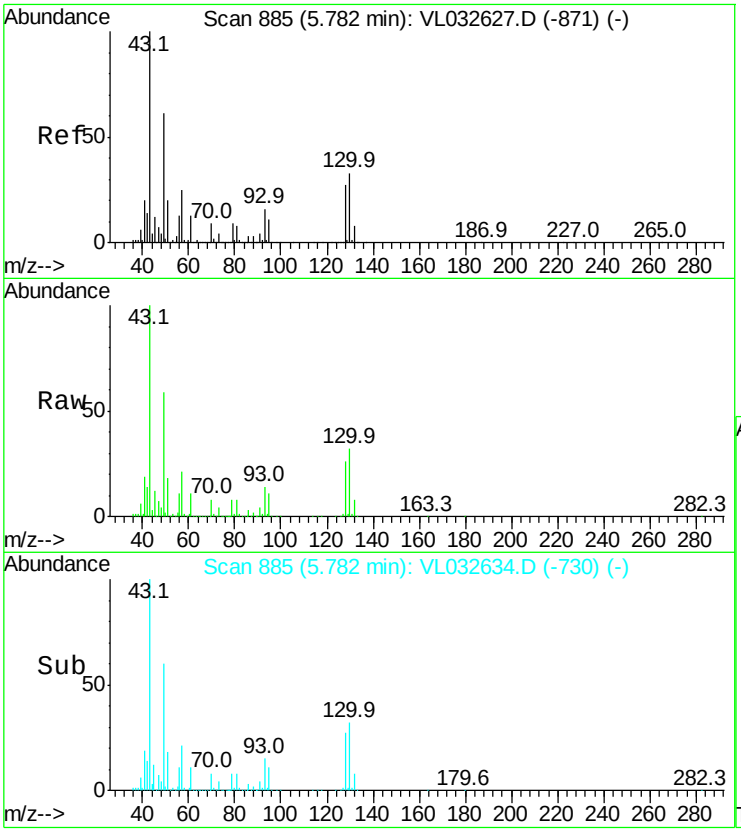
Quantitation Report (Not Reviewed)

Data File : VL032634.D
Acq On : 17 Oct 2018 7:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Quant Time: Oct 17 16:13:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration



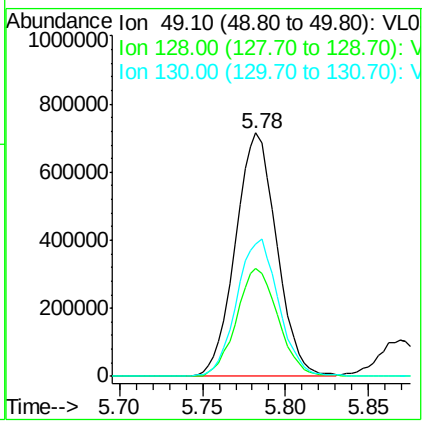


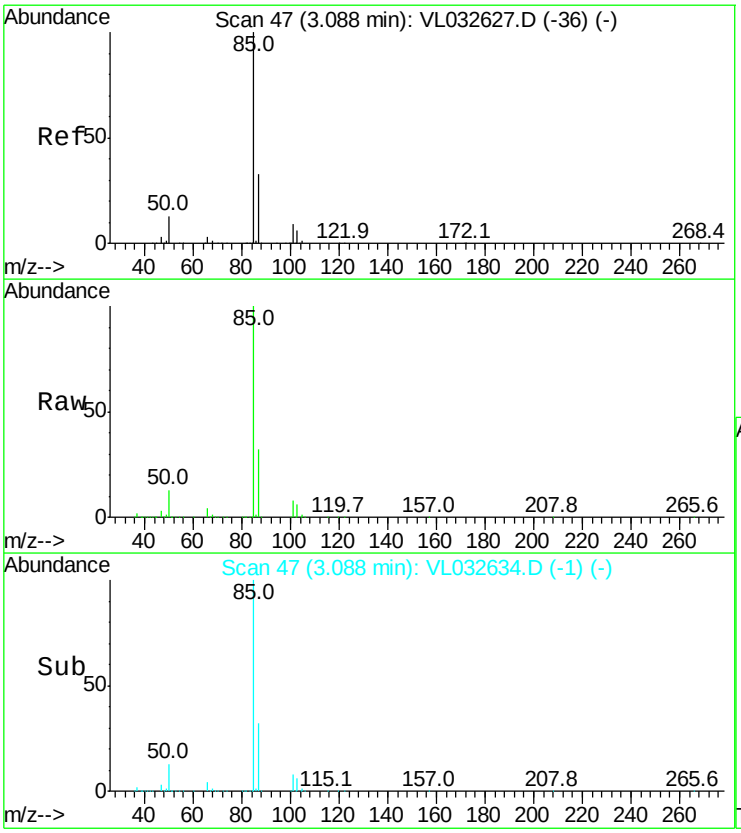
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 49 Resp: 1235852

Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.3	66.8
130	57.5	28.4	85.3

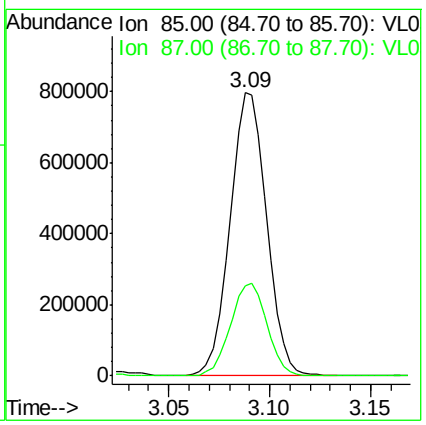


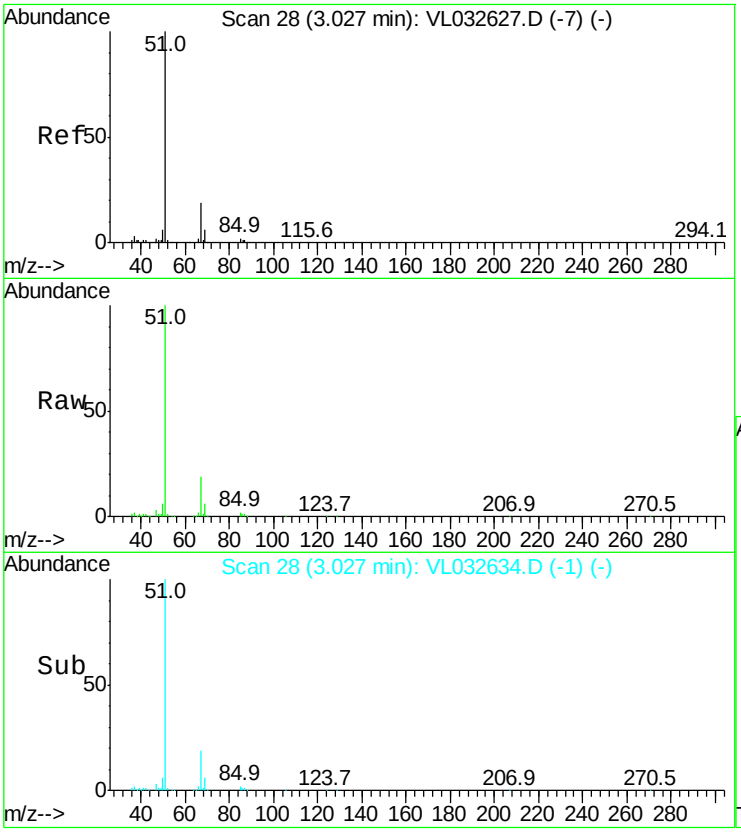


#2
Dichlorodifluoromethane
Concen: 11.147 ppbv
RT: 3.09 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 85 Resp: 1011244

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.2	39.2



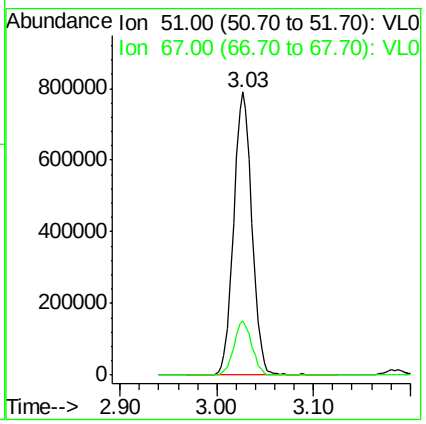


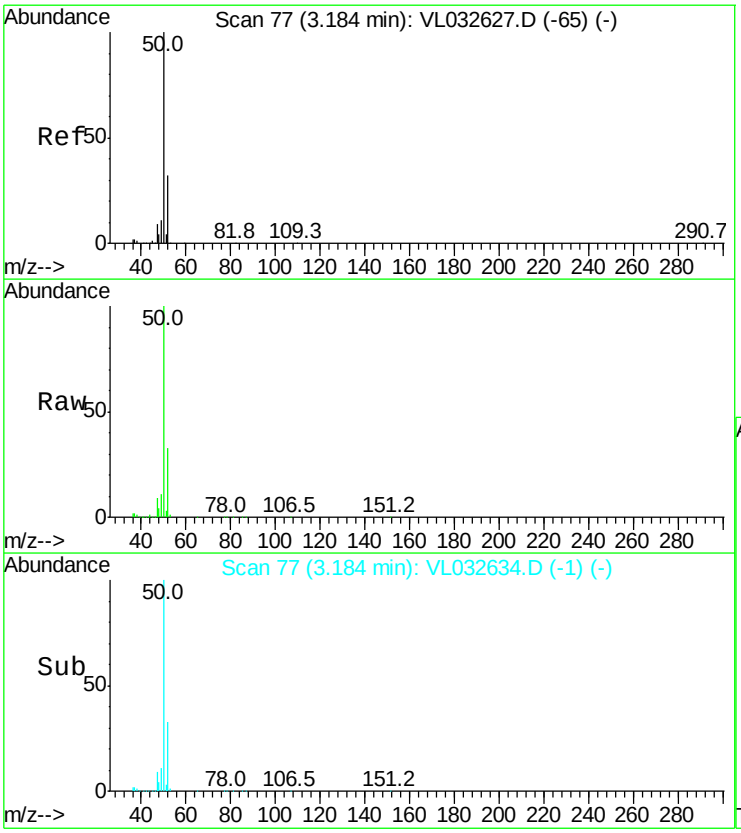
#3
Chlorodifluoromethane
Concen: 10.021 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 51 Resp: 1036202

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.2	22.8

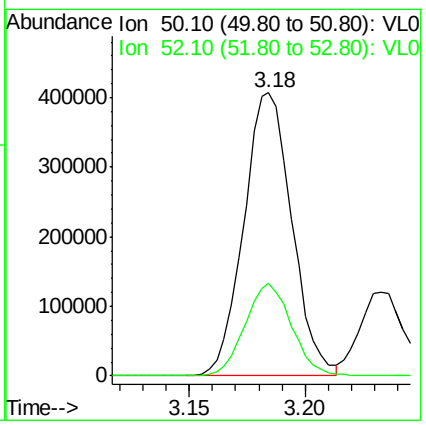


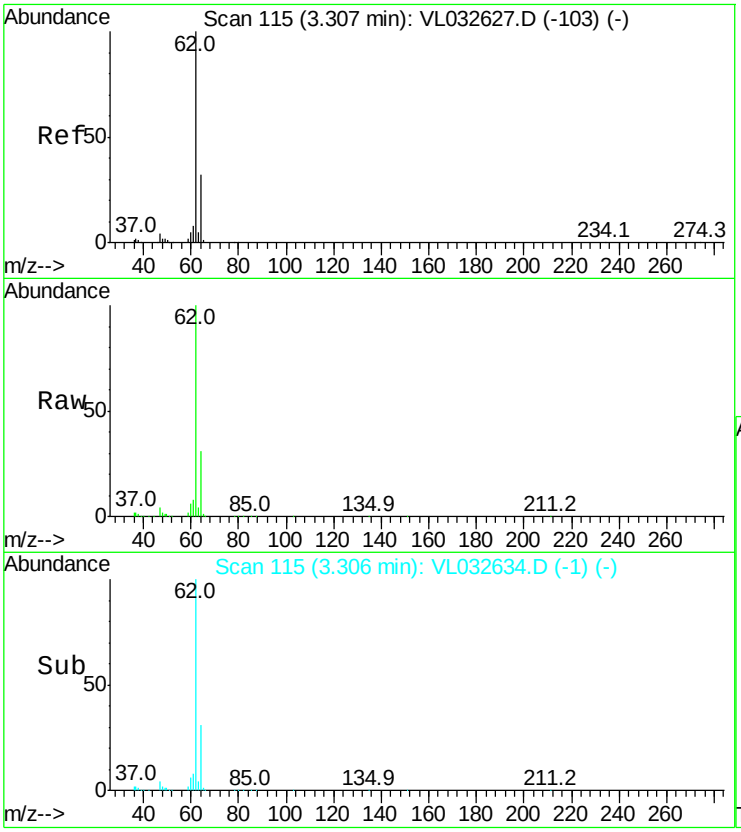


#4
Chloromethane
Concen: 10.367 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 50 Resp: 585207

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.9	38.9



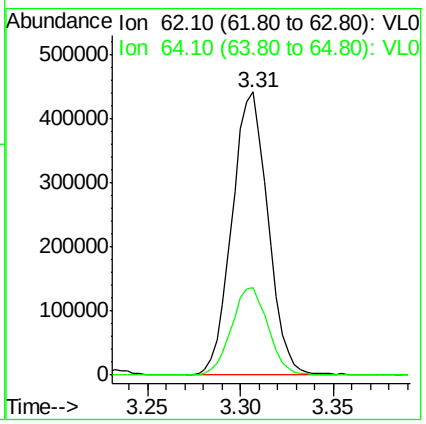


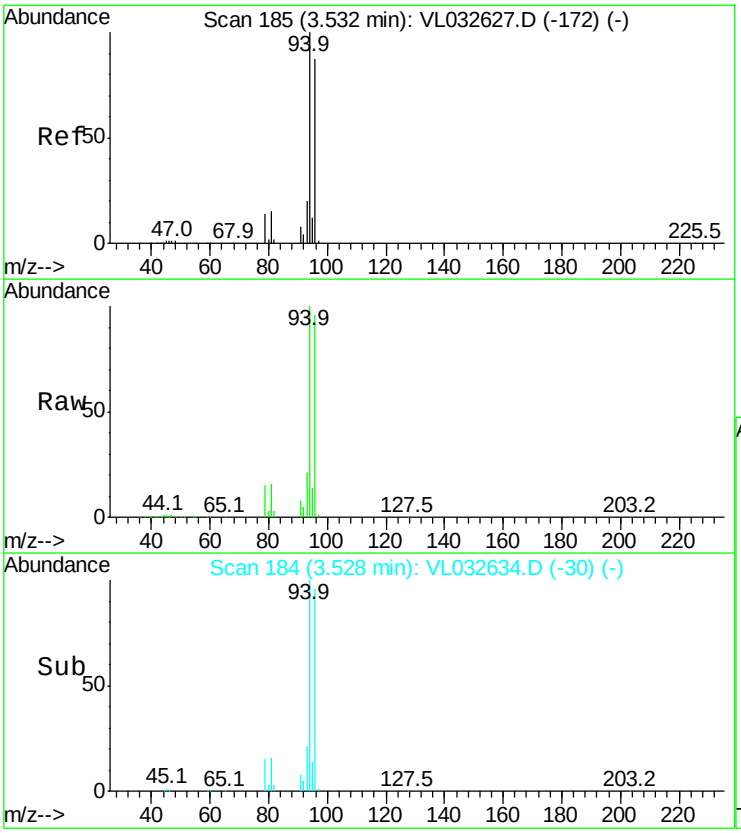
#5
Vinyl Chloride
Concen: 10.447 ppbv
RT: 3.31 min Scan# 115
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 62 Resp: 594126

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.5	38.3

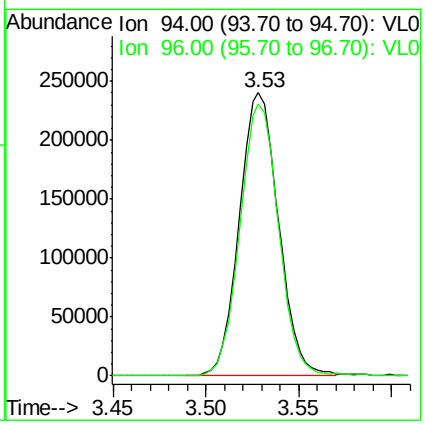


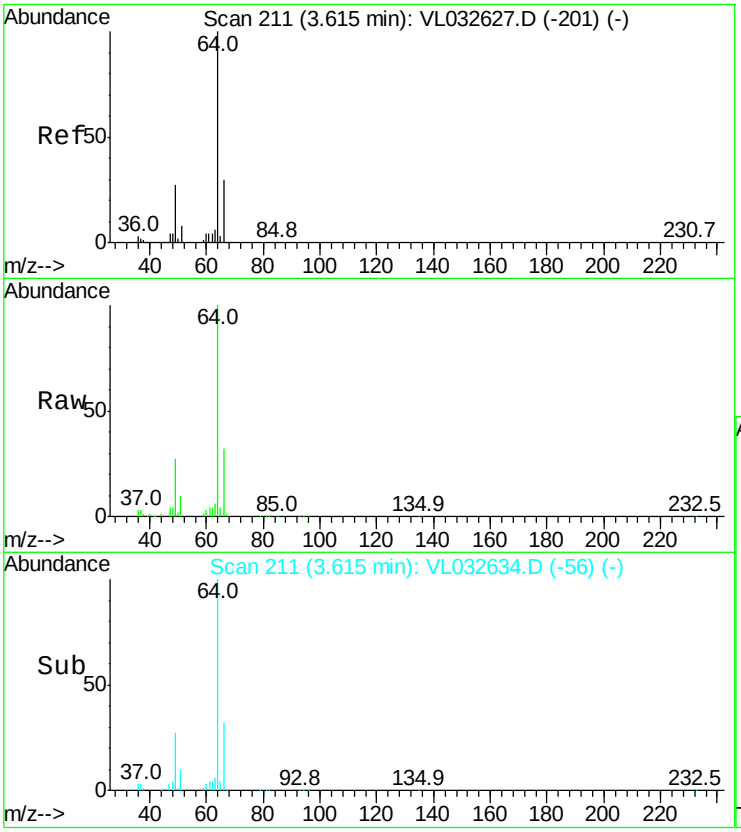


#6
Bromomethane
Concen: 9.857 ppbv
RT: 3.53 min Scan# 184
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 94 Resp: 354083

Ion	Ratio	Lower	Upper
94	100		
96	95.9	69.8	104.8



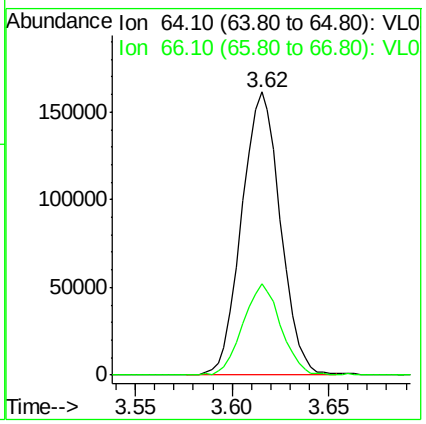


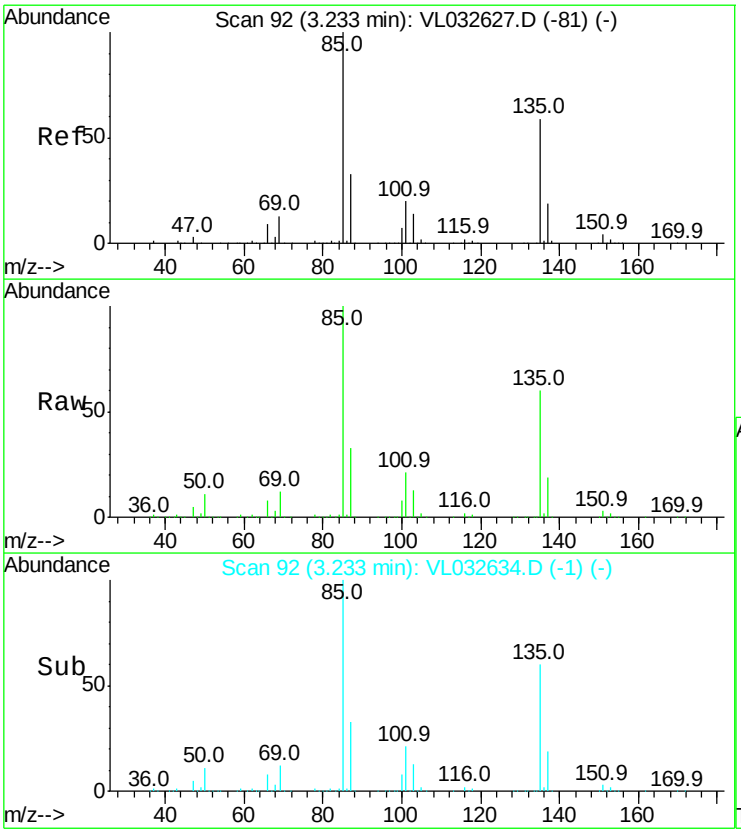
#7
Chloroethane
Concen: 10.078 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 64 Resp: 224343

Ion	Ratio	Lower	Upper
64	100		
66	32.1	24.4	36.6

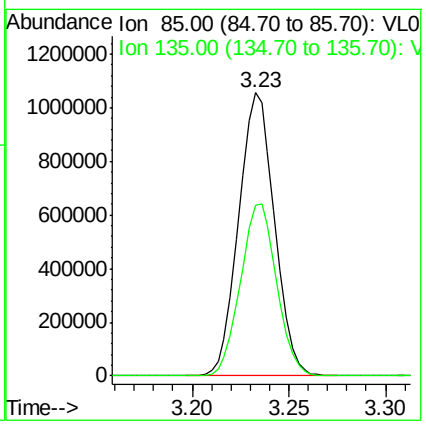


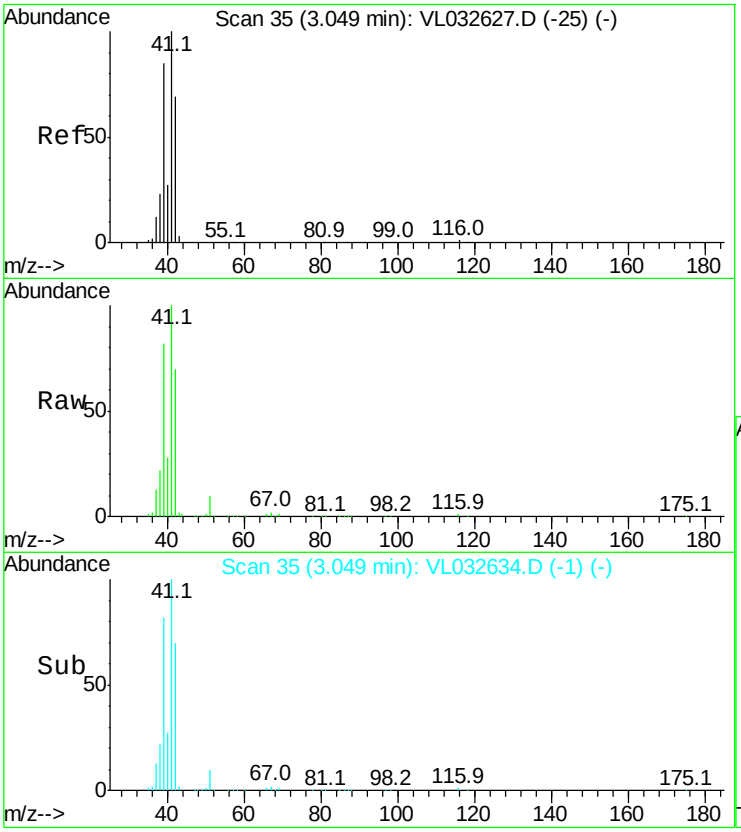


#8
Dichlorotetrafluoroethane
Concen: 9.742 ppbv
RT: 3.23 min Scan# 92
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 85 Resp: 1357259

Ion	Ratio	Lower	Upper
85	100		
135	61.7	49.0	73.4



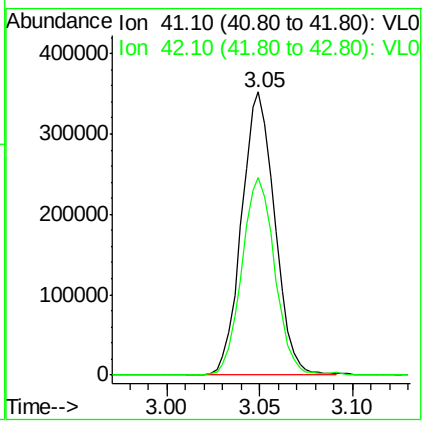


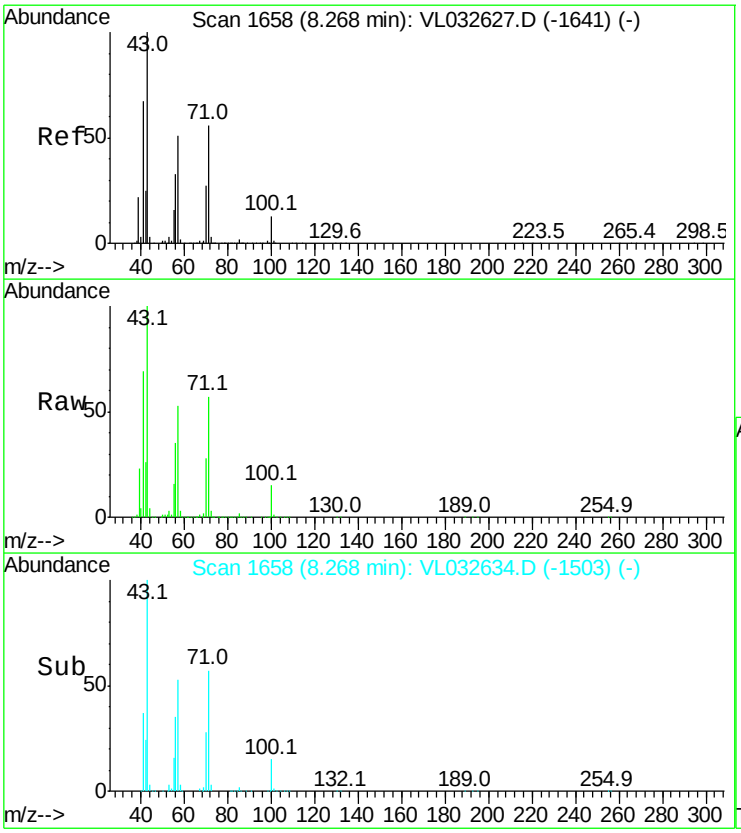
#9
Propene
Concen: 11.570 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 41 Resp: 438601

Ion	Ratio	Lower	Upper
41	100		
42	69.8	55.4	83.0

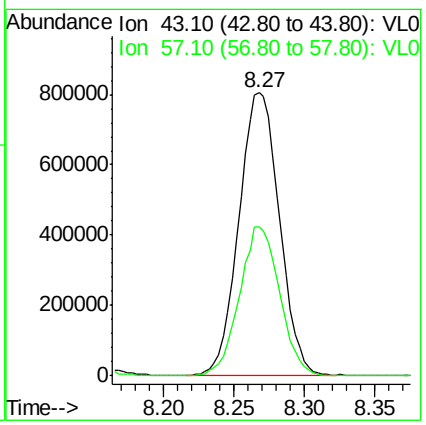


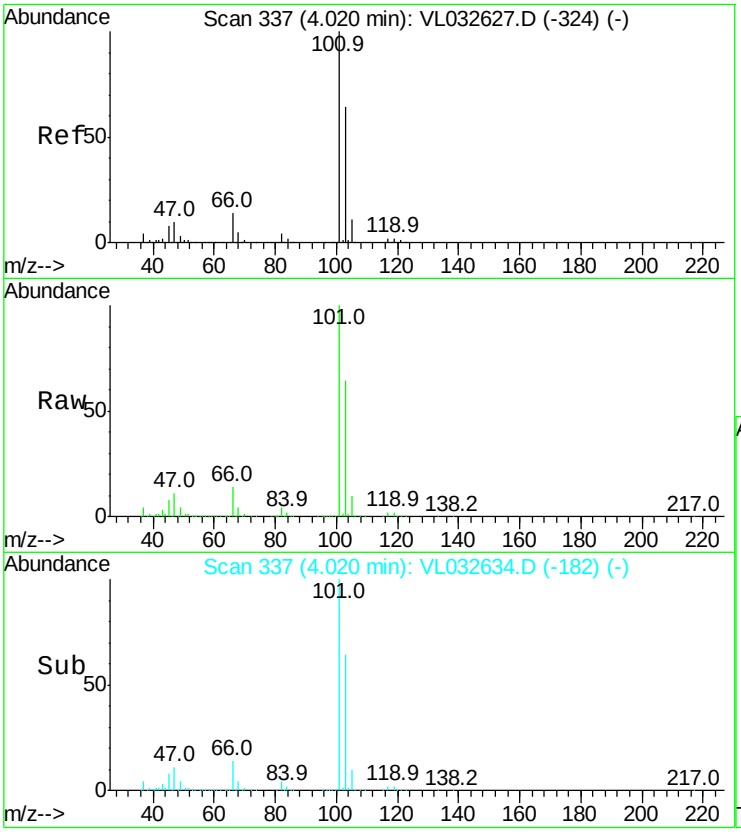


#10
Heptane
Concen: 11.368 ppbv
RT: 8.27 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 1613772

Ion	Ratio	Lower	Upper
43	100		
57	52.3	41.5	62.3



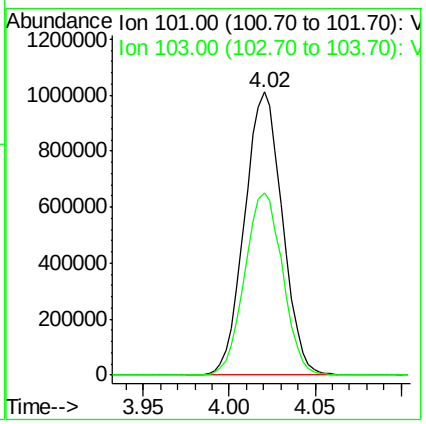


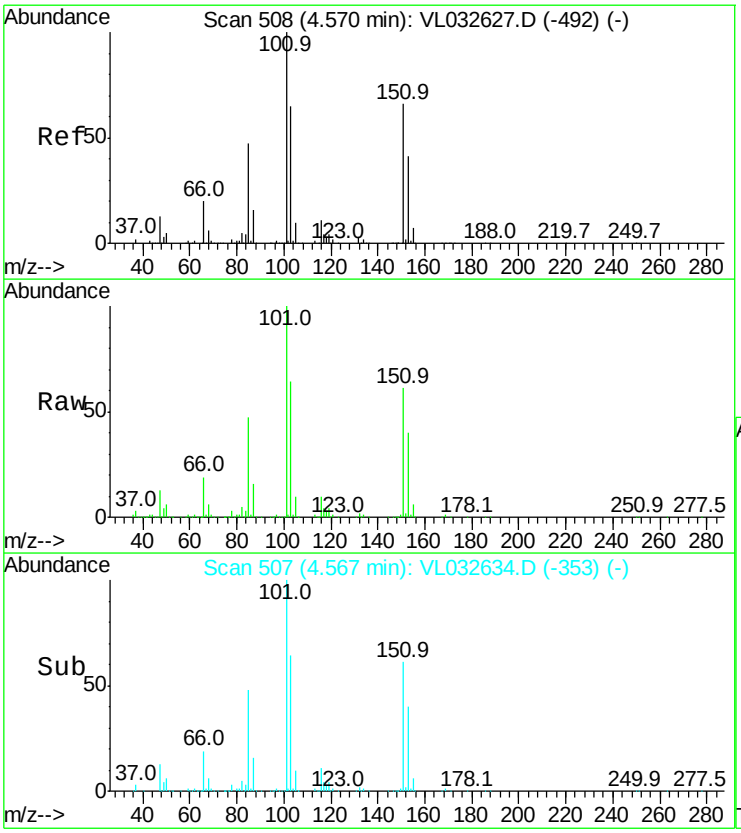
#11
Trichlorofluoromethane
Concen: 9.702 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:101 Resp: 1540274

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

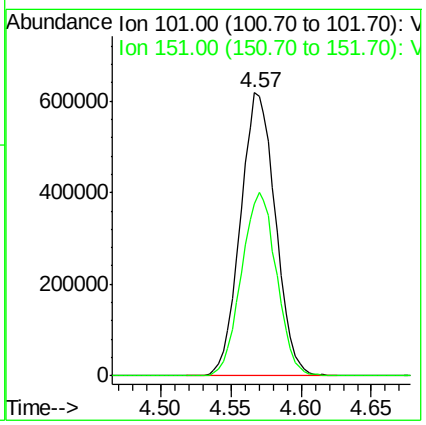


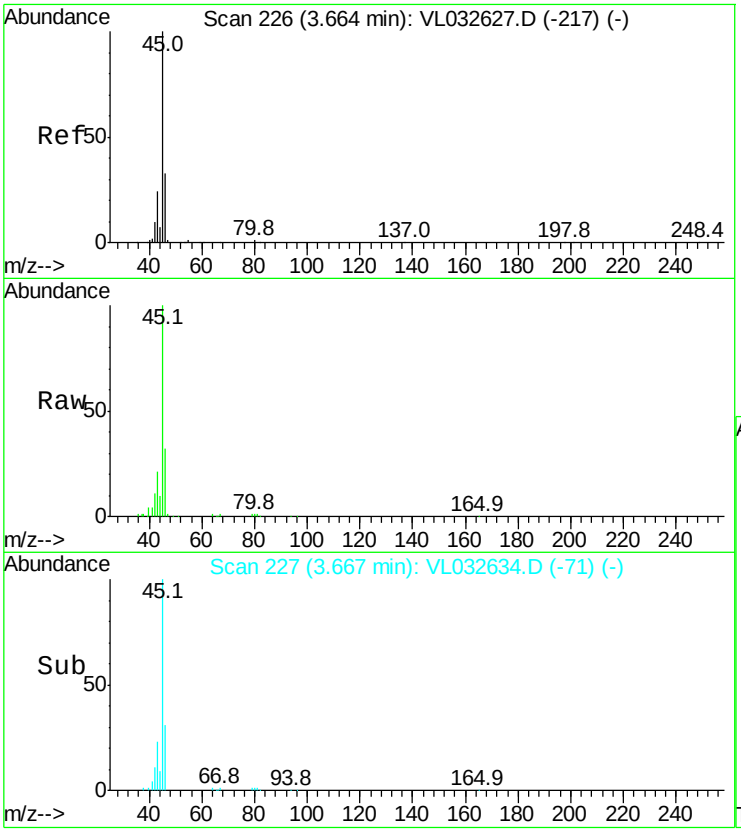


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.241 ppbv
RT: 4.57 min Scan# 507
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:101 Resp: 1074175

Ion	Ratio	Lower	Upper
101	100		
151	65.2	52.3	78.5



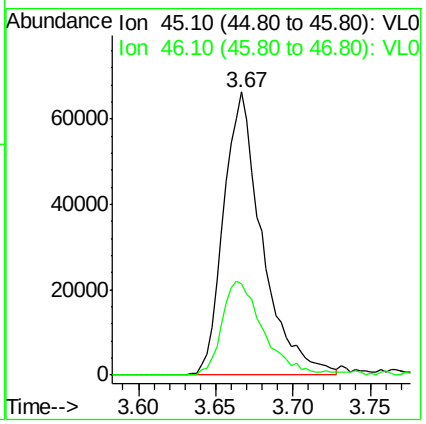


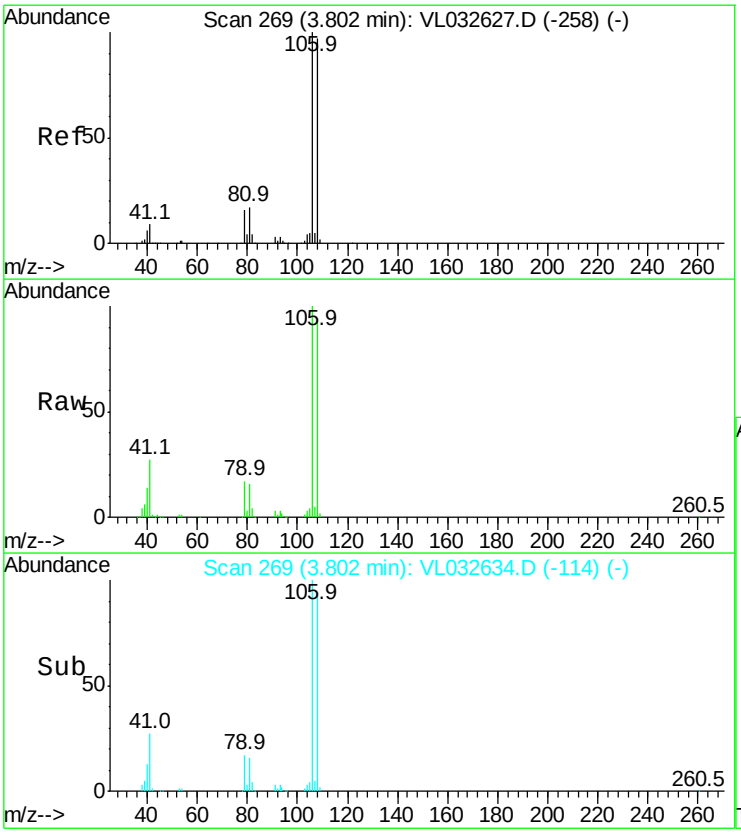
#13
Ethanol
Concen: 9.773 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 45 Resp: 114634

Ion	Ratio	Lower	Upper
45	100		
46	36.3	15.4	61.8

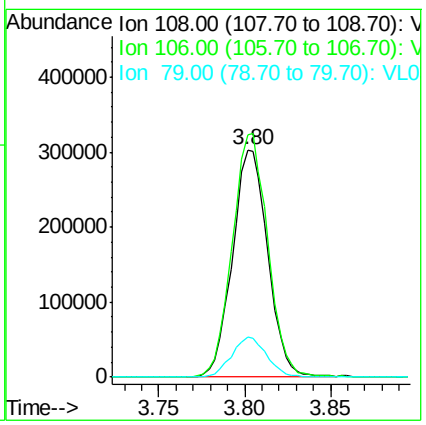


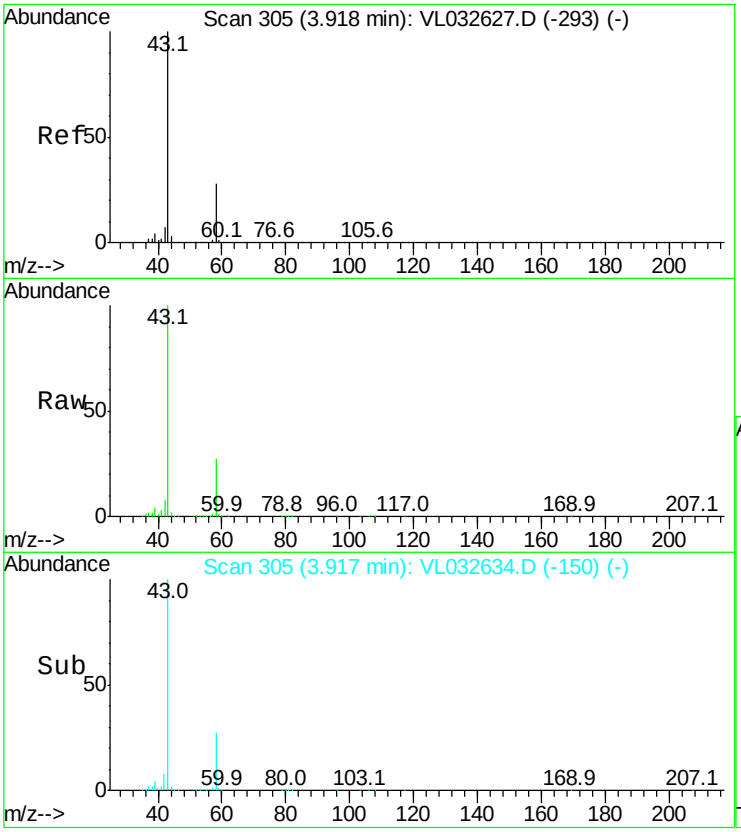


#14
Bromoethene
Concen: 10.157 ppbv
RT: 3.80 min Scan# 269
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:108 Resp: 431959

Ion	Ratio	Lower	Upper
108	100		
106	108.3	85.0	127.4
79	17.8	13.7	20.5



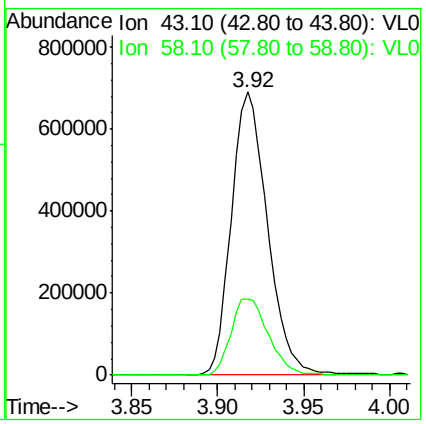


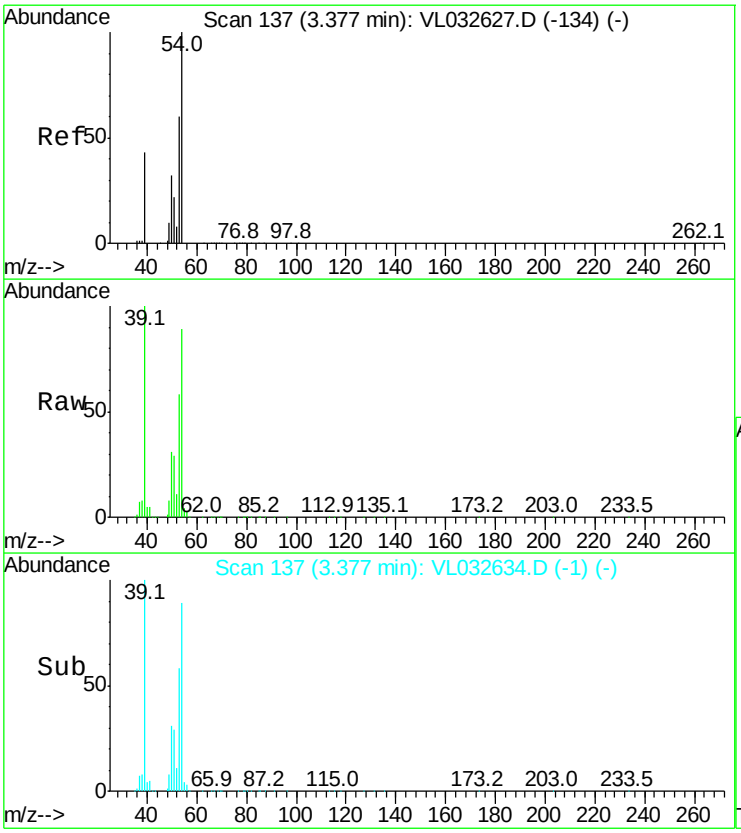
#15
Acetone
Concen: 9.147 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 43 Resp: 1005963

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.1	33.1

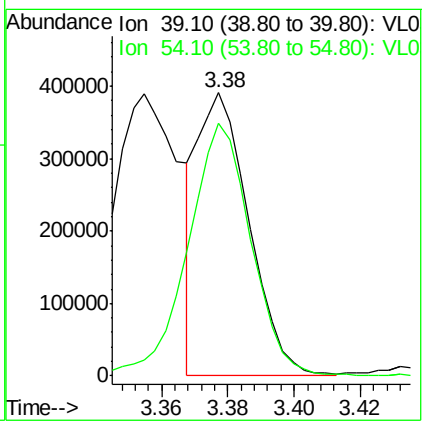


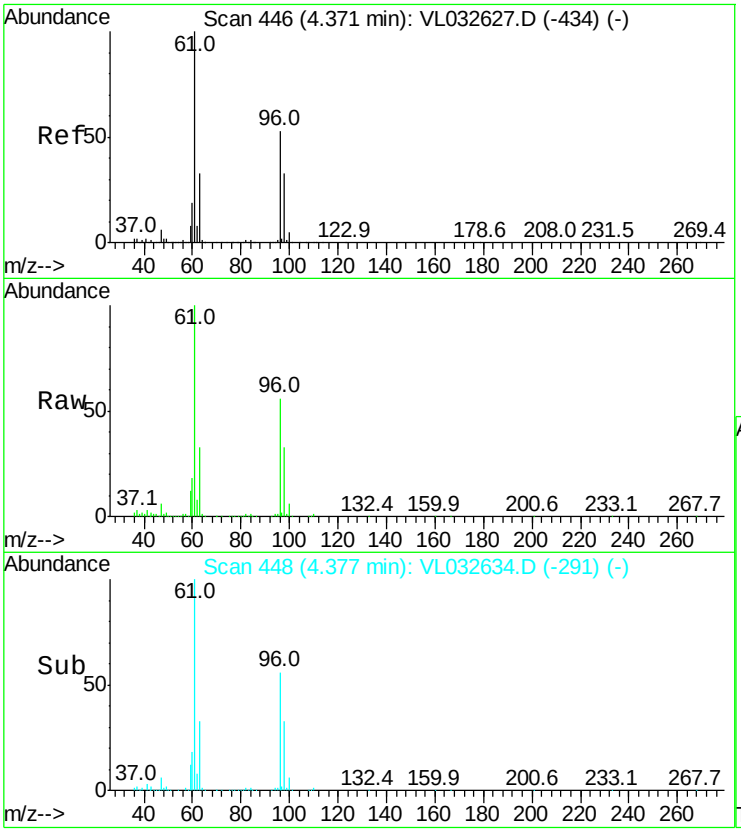


#16
1,3-Butadiene
Concen: 10.317 ppbv
RT: 3.38 min Scan# 137
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 39 Resp: 420153

Ion	Ratio	Lower	Upper
39	100		
54	110.2	90.4	135.6



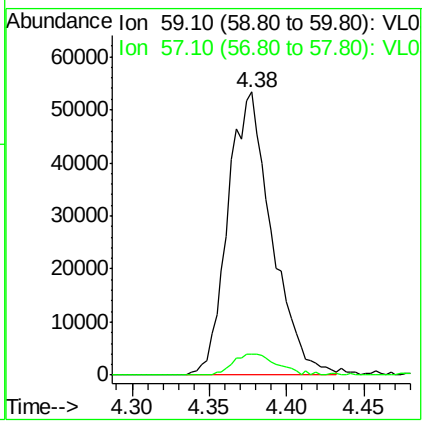


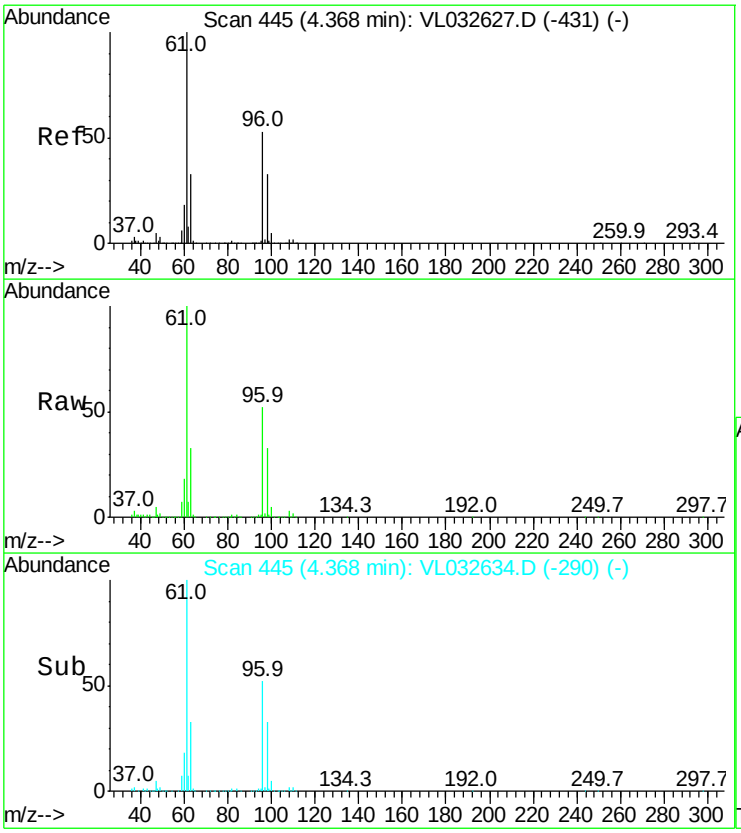
#17
tert-Butyl alcohol
Concen: 10.453 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 59 Resp: 104917

Ion	Ratio	Lower	Upper
59	100		
57	7.8	0.0	0.0#

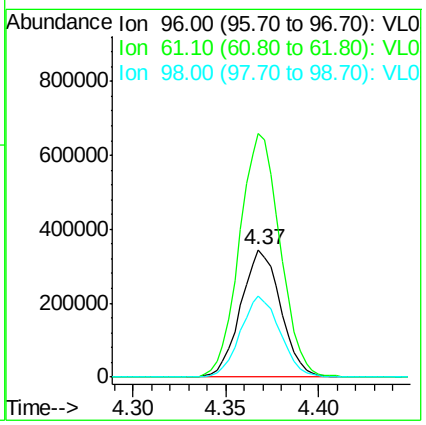


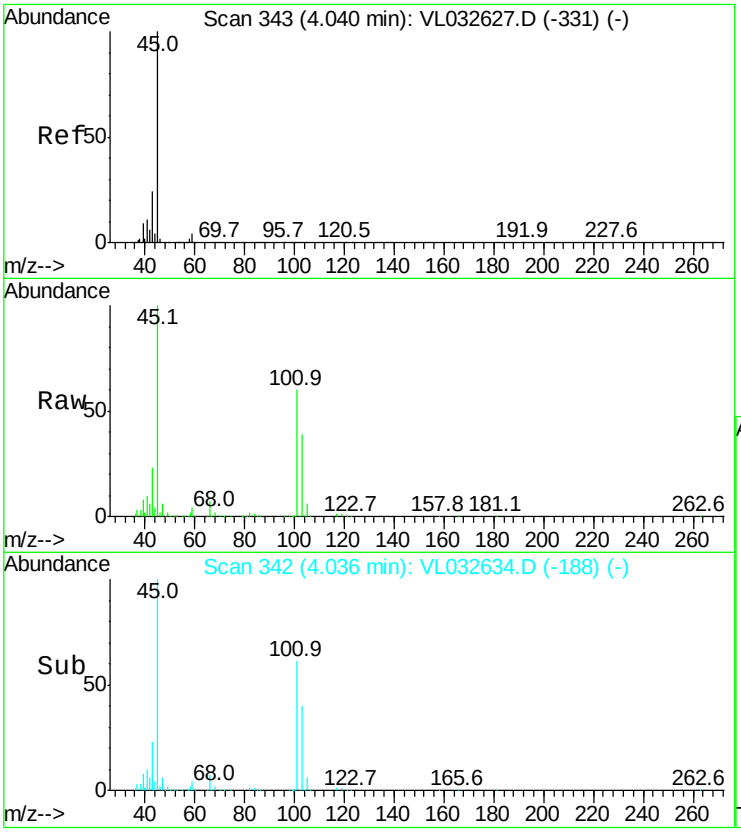


#18
1,1-Dichloroethene
Concen: 9.837 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 96 Resp: 515657

Ion	Ratio	Lower	Upper
96	100		
61	190.6	151.6	227.4
98	63.4	50.6	75.8



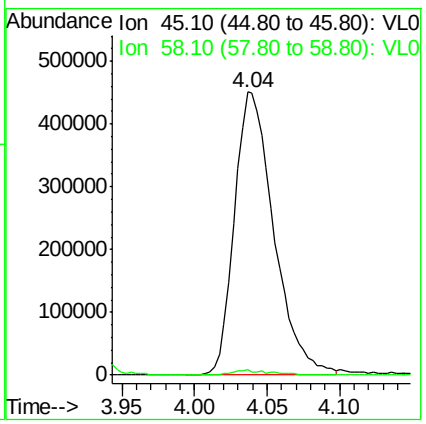


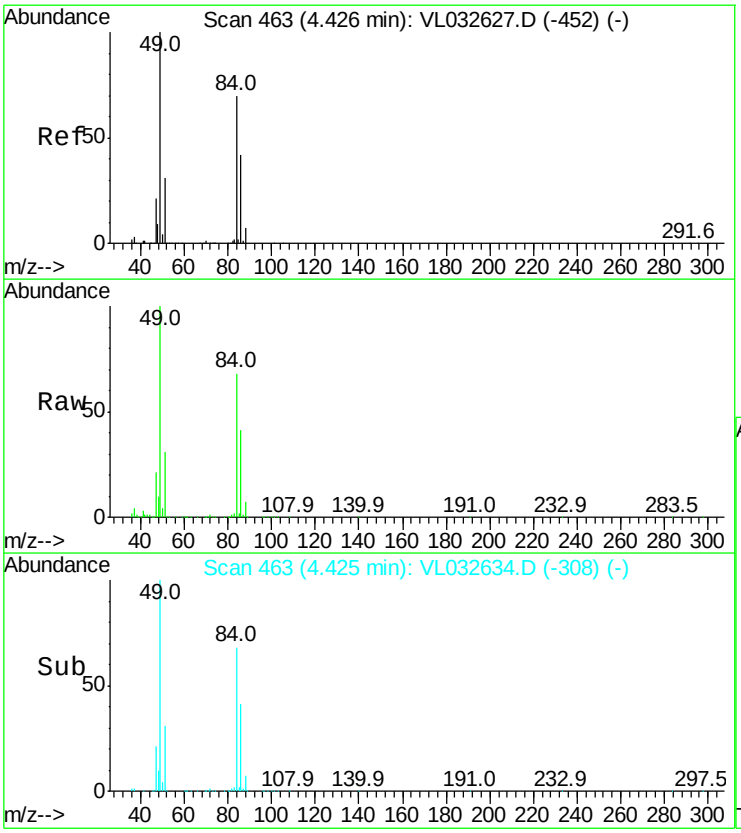
#19
Isopropyl Alcohol
Concen: 10.950 ppbv
RT: 4.04 min Scan# 342
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 45 Resp: 850506

Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.0	3.0#

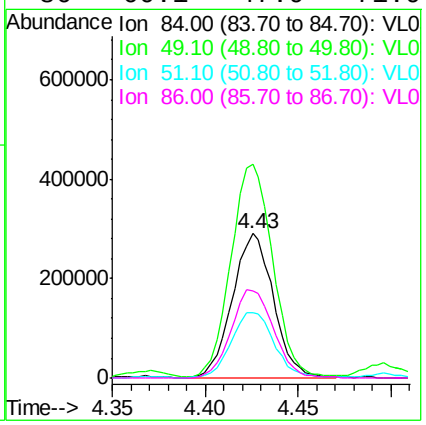


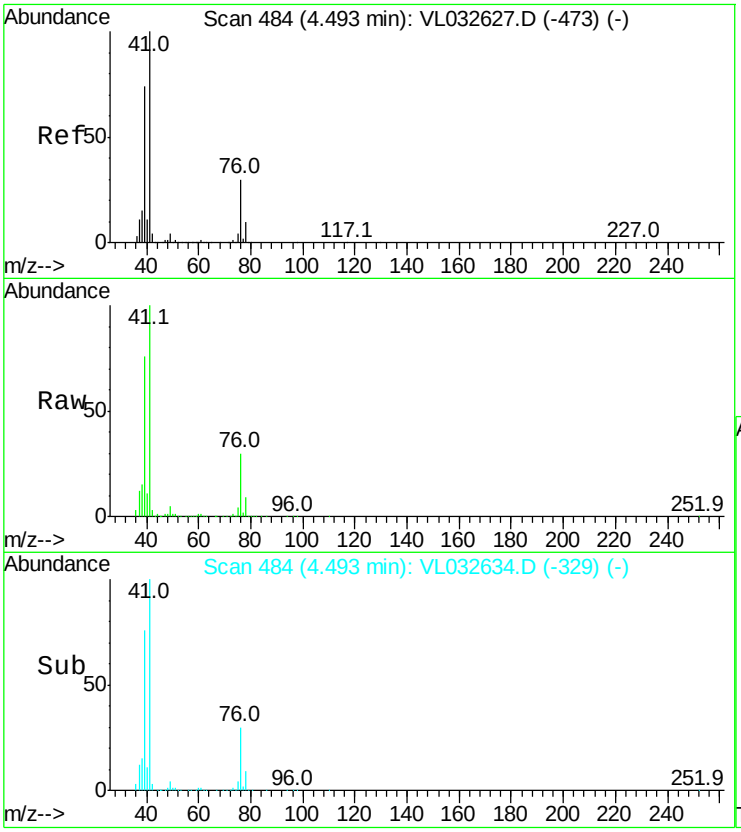


#20
Methylene Chloride
Concen: 9.006 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 84 Resp: 443700

Ion	Ratio	Lower	Upper
84	100		
49	147.4	113.5	170.3
51	45.4	34.8	52.2
86	60.1	47.9	71.9



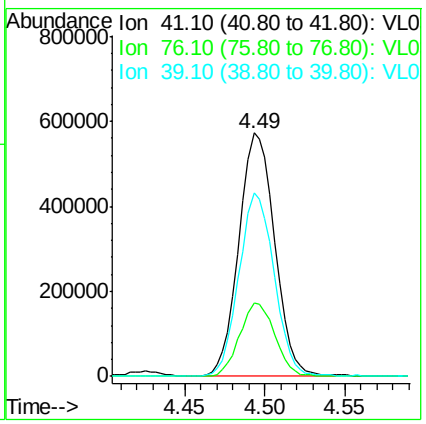


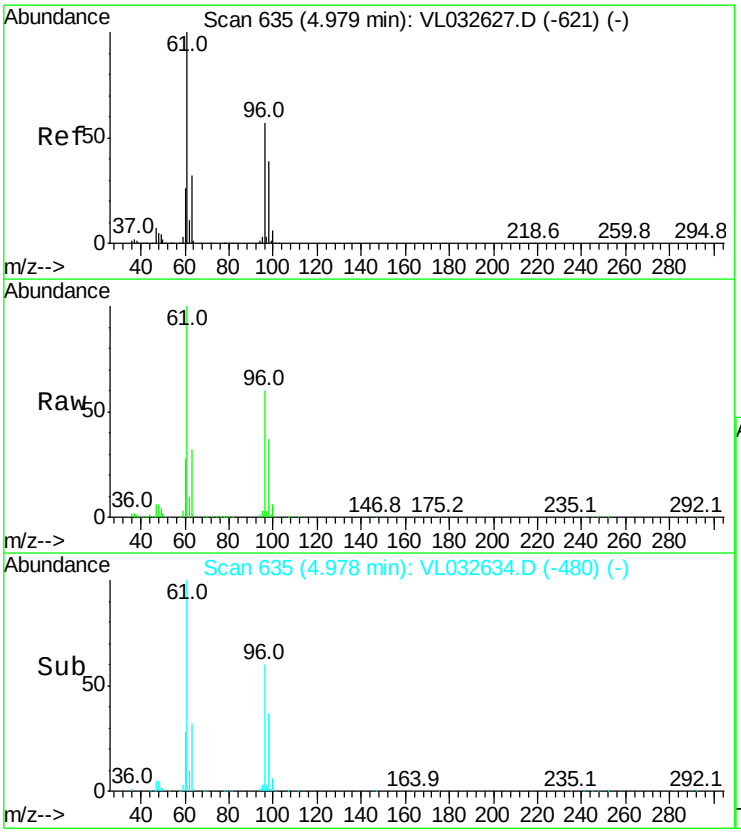
#21
Allyl Chloride
Concen: 10.535 ppbv
RT: 4.49 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 41 Resp: 869502

Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.3	36.5
39	74.7	60.3	90.5

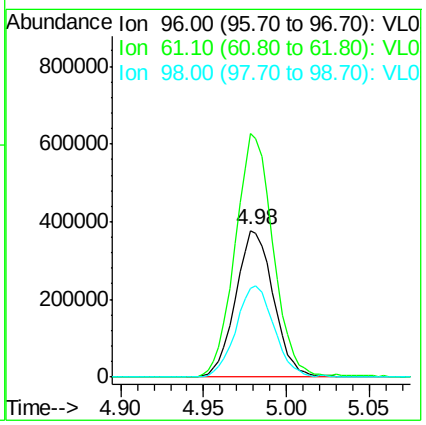


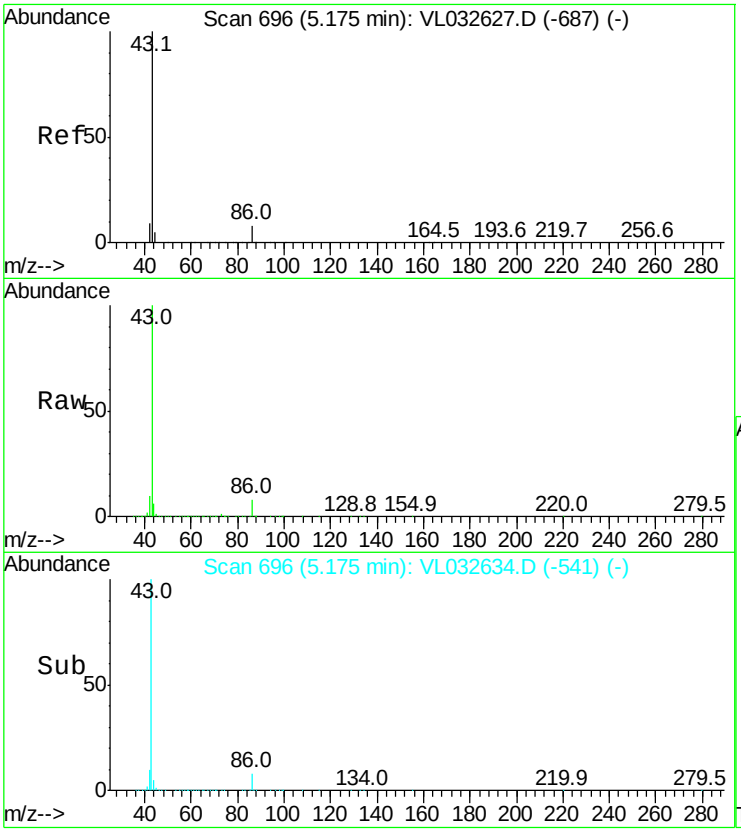


#22
trans-1,2-Dichloroethene
Concen: 9.842 ppbv
RT: 4.98 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 96 Resp: 596038

Ion	Ratio	Lower	Upper
96	100		
61	165.8	140.4	210.6
98	60.5	55.0	82.6



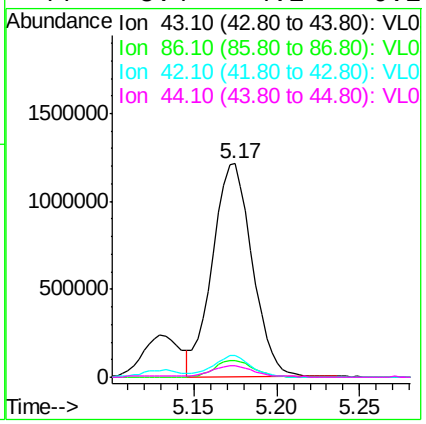


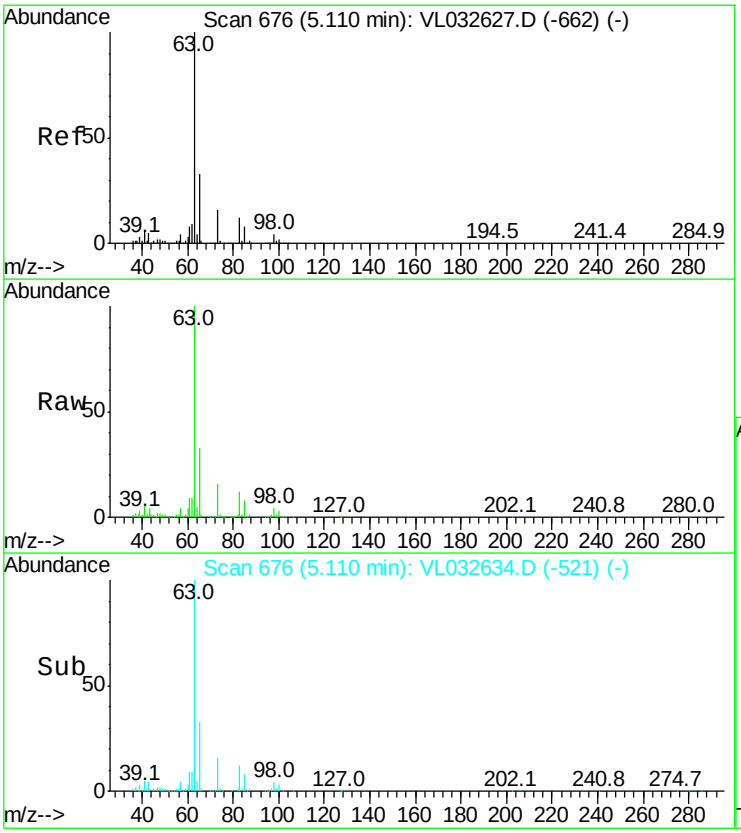
#23
Vinyl Acetate
Concen: 11.560 ppbv
RT: 5.17 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 43 Resp: 2022528

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.1	9.1
42	9.9	7.4	11.2
44	5.4	4.2	6.2

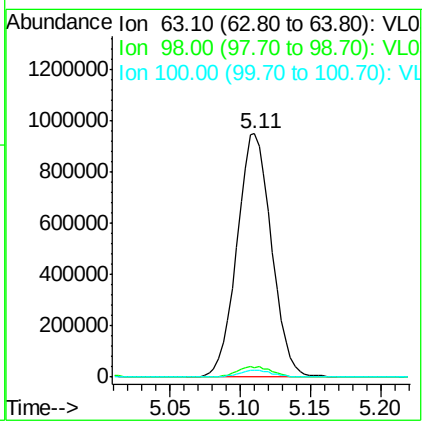


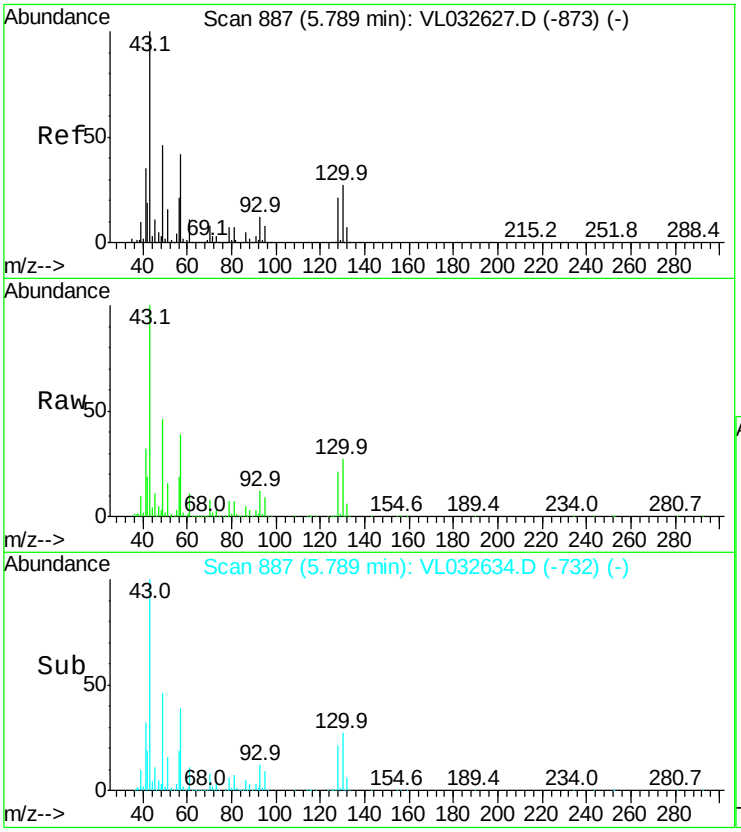


#24
1,1-Dichloroethane
Concen: 10.010 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 63 Resp: 1623723

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	3.0	1.2	3.6



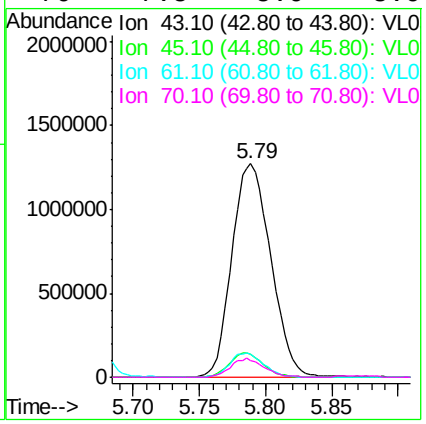


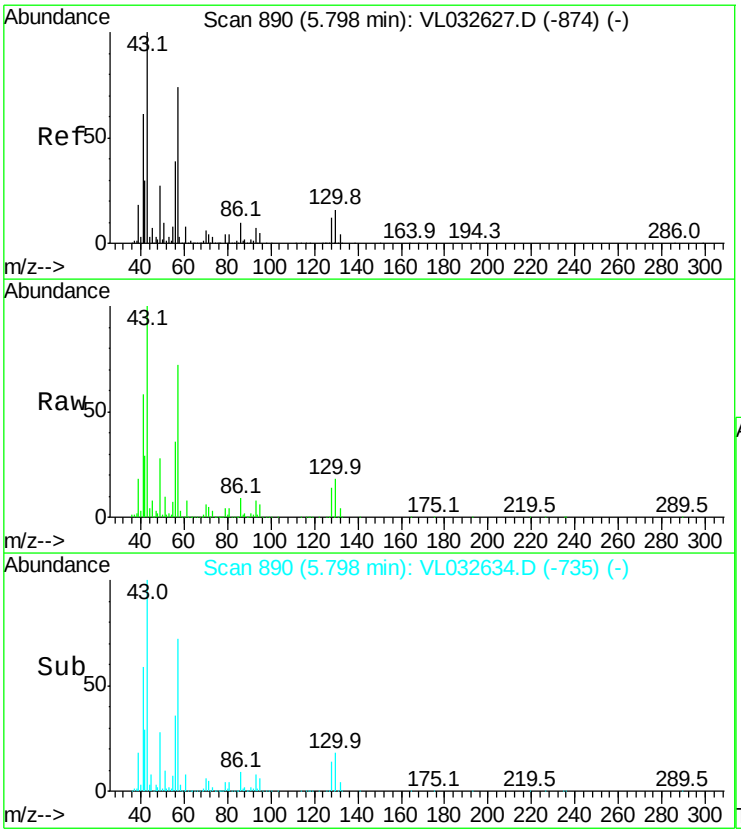
#25
Ethyl Acetate
Concen: 9.973 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 43 Resp: 2595251

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.8	8.0	12.0
70	7.5	5.9	8.9

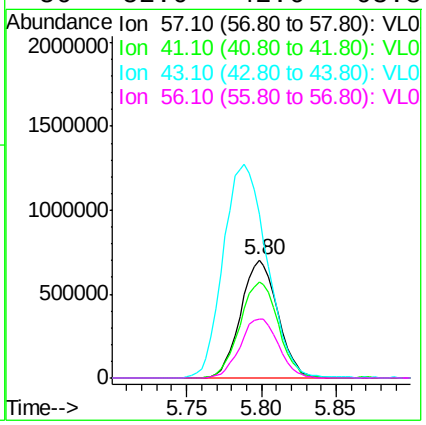


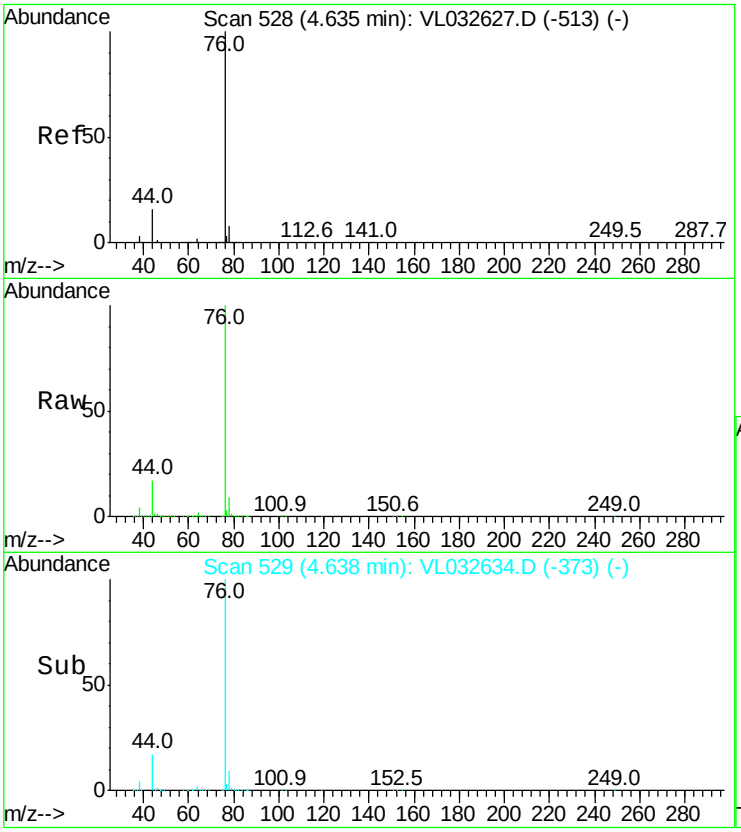


#26
Hexane
Concen: 10.367 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 57 Resp: 1215232

Ion	Ratio	Lower	Upper
57	100		
41	84.2	67.4	101.0
43	214.7	171.9	257.9
56	52.0	42.6	63.8



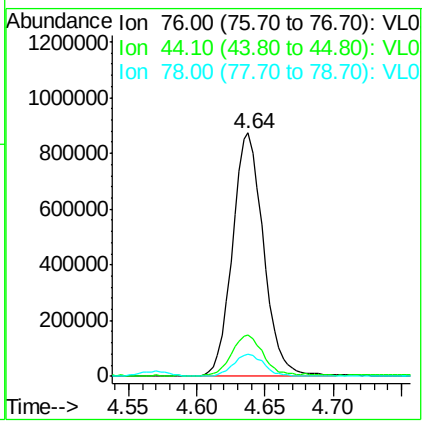


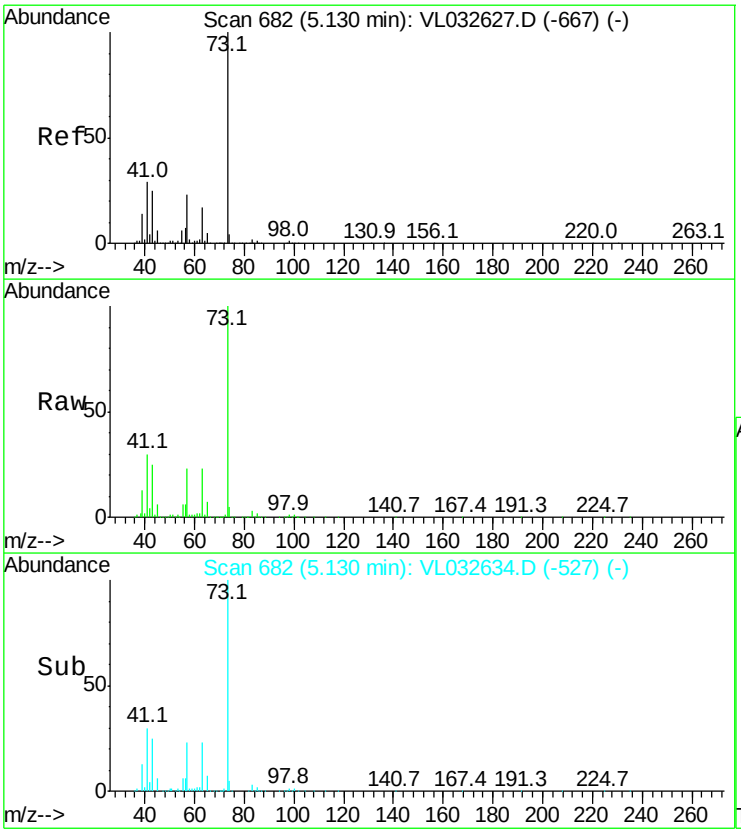
#27
Carbon Disulfide
Concen: 9.756 ppbv
RT: 4.64 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 76 Resp: 1381885

Ion	Ratio	Lower	Upper
76	100		
44	17.2	13.7	20.5
78	9.1	7.4	11.2

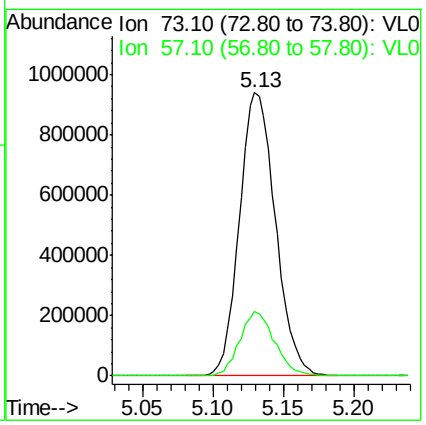


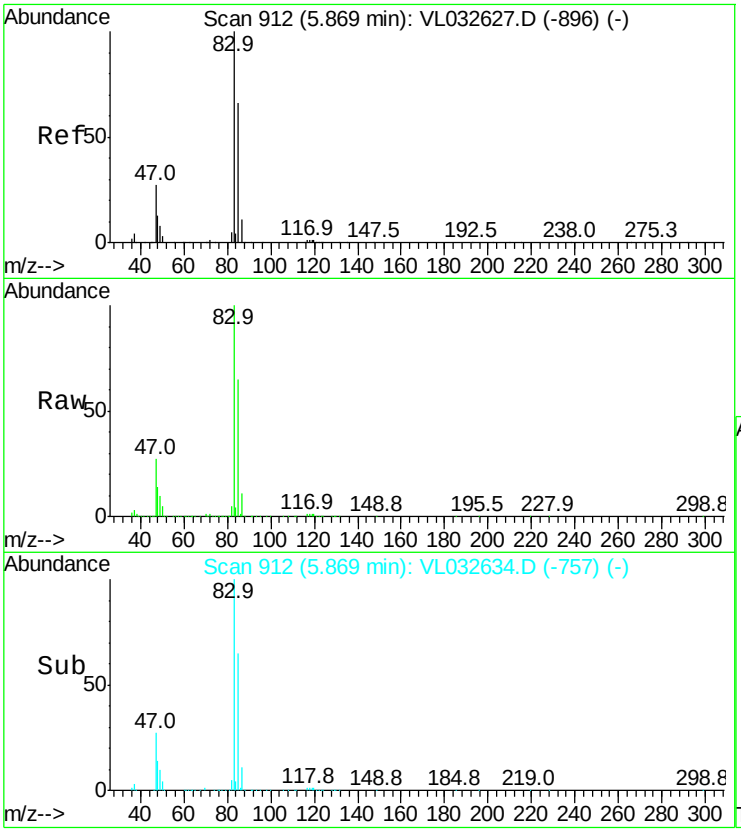


#28
Methyl tert-Butyl Ether
Concen: 11.422 ppbv
RT: 5.13 min Scan# 682
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 73 Resp: 1682536

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0



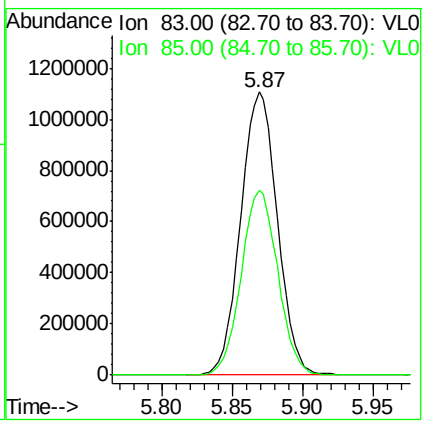


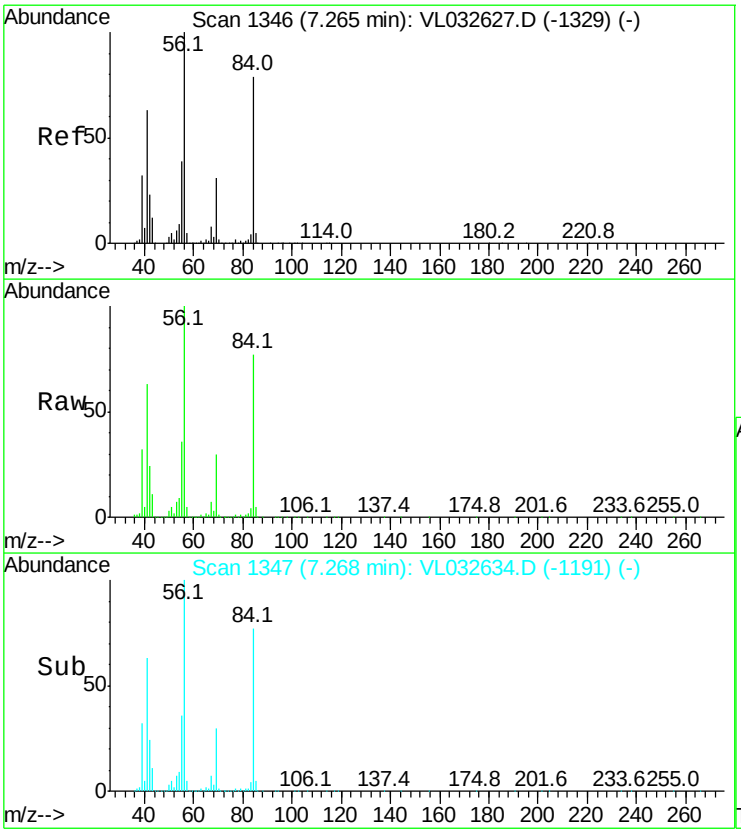
#29
Chloroform
Concen: 9.835 ppbv
RT: 5.87 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 83 Resp: 2020535

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.0	79.6

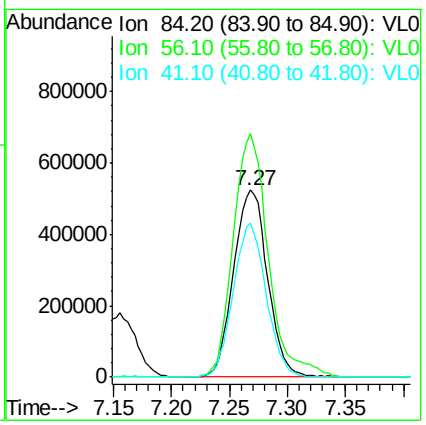


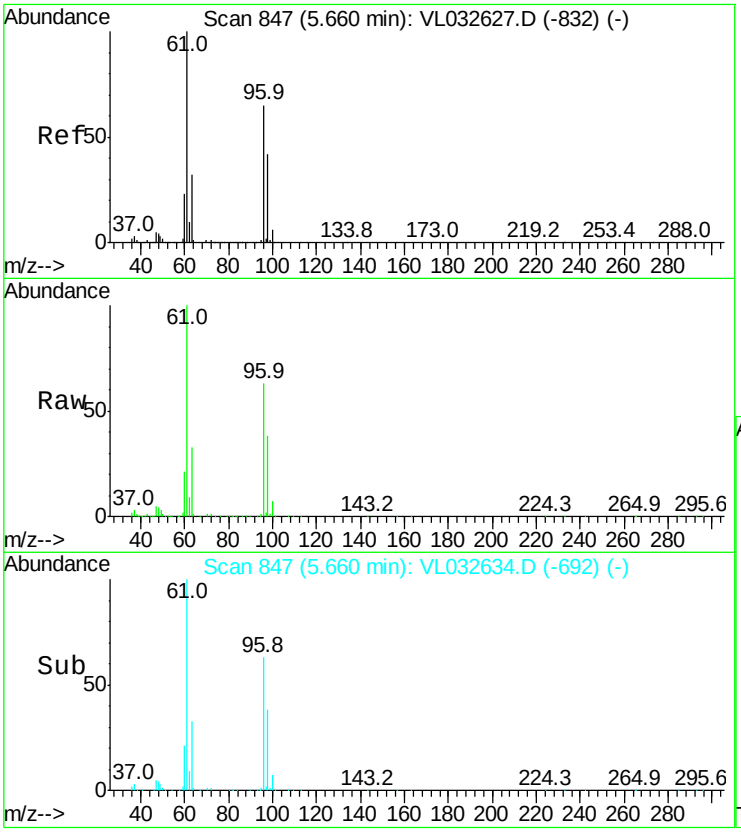


#30
Cyclohexane
Concen: 11.497 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 84 Resp: 1062722

Ion	Ratio	Lower	Upper
84	100		
56	135.3	108.3	162.5
41	79.9	64.8	97.2



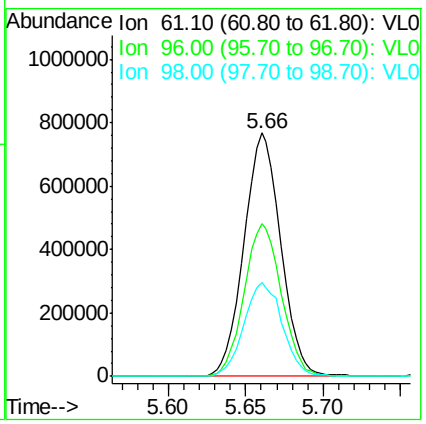


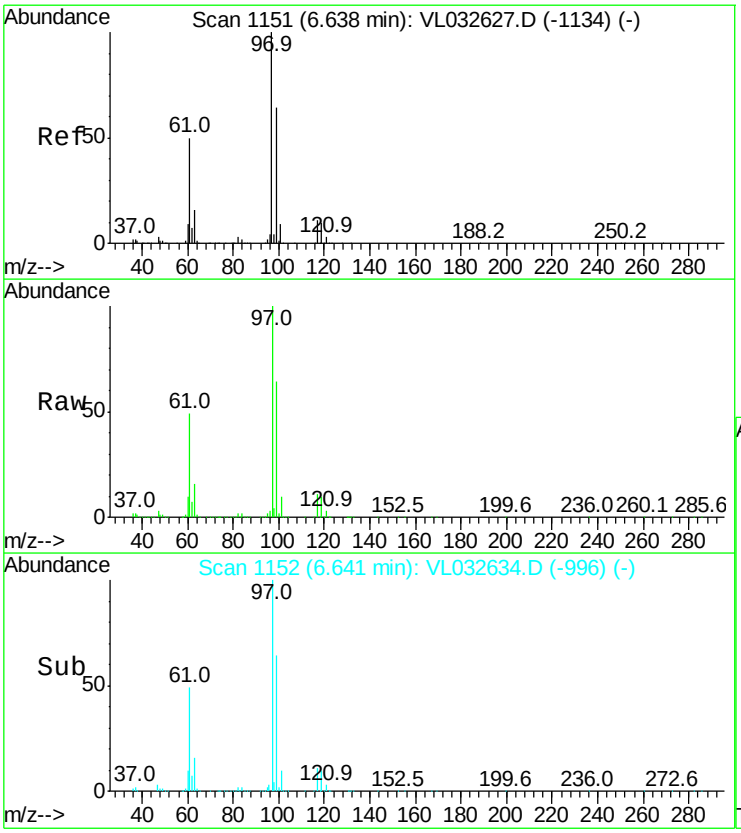
#31
cis-1,2-Dichloroethene
Concen: 11.299 ppbv
RT: 5.66 min Scan# 847
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 61 Resp: 1272294

Ion	Ratio	Lower	Upper
61	100		
96	62.6	51.8	77.6
98	38.5	33.8	50.6

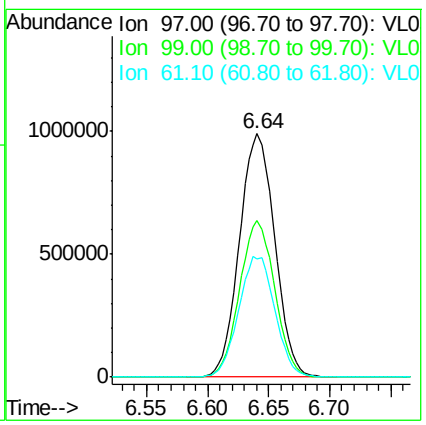


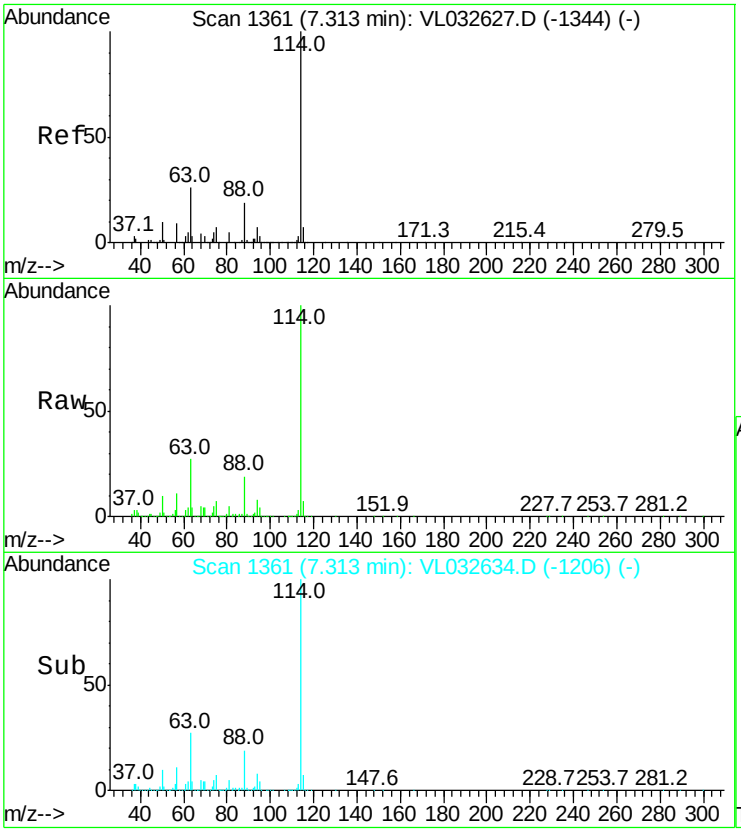


#32
1,1,1-Trichloroethane
Concen: 9.659 ppbv
RT: 6.64 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 97 Resp: 1979722

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	50.9	40.7	61.1



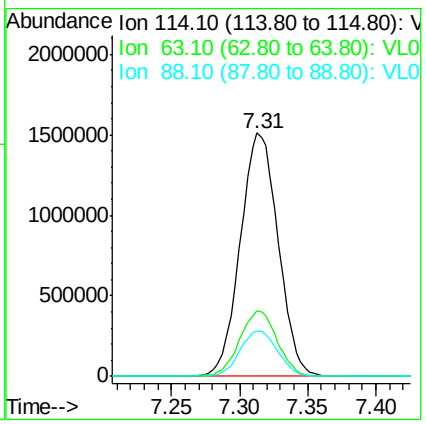


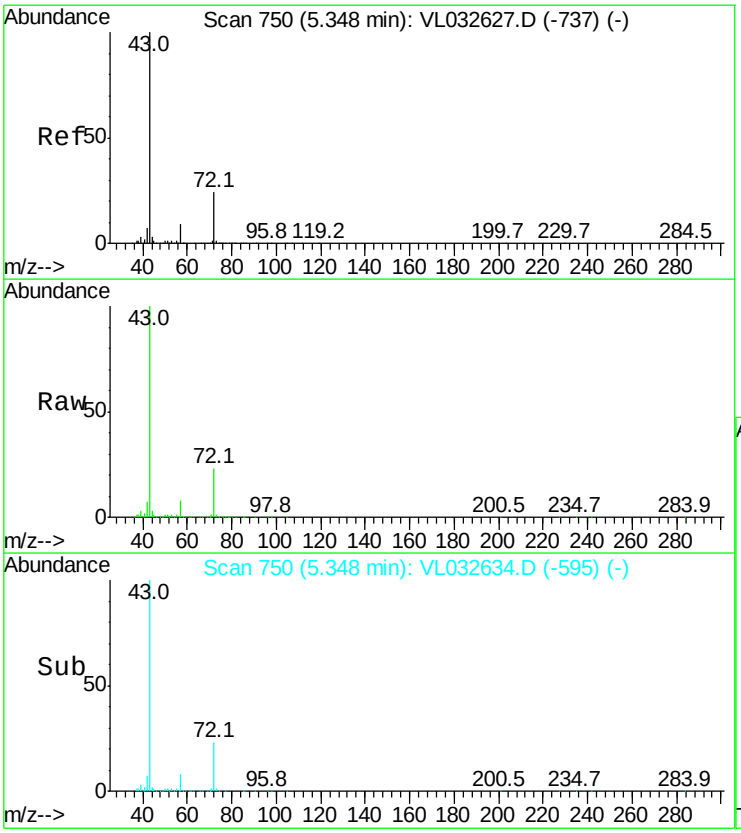
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:114 Resp: 2908209

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.7	32.5
88	18.7	14.9	22.3

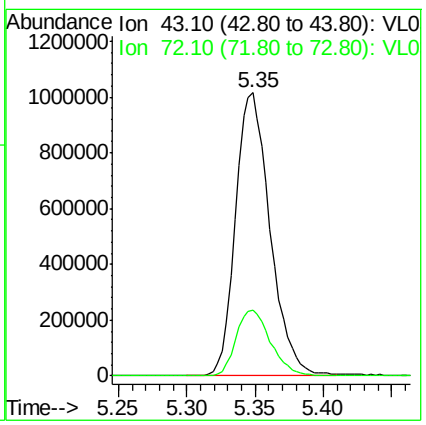


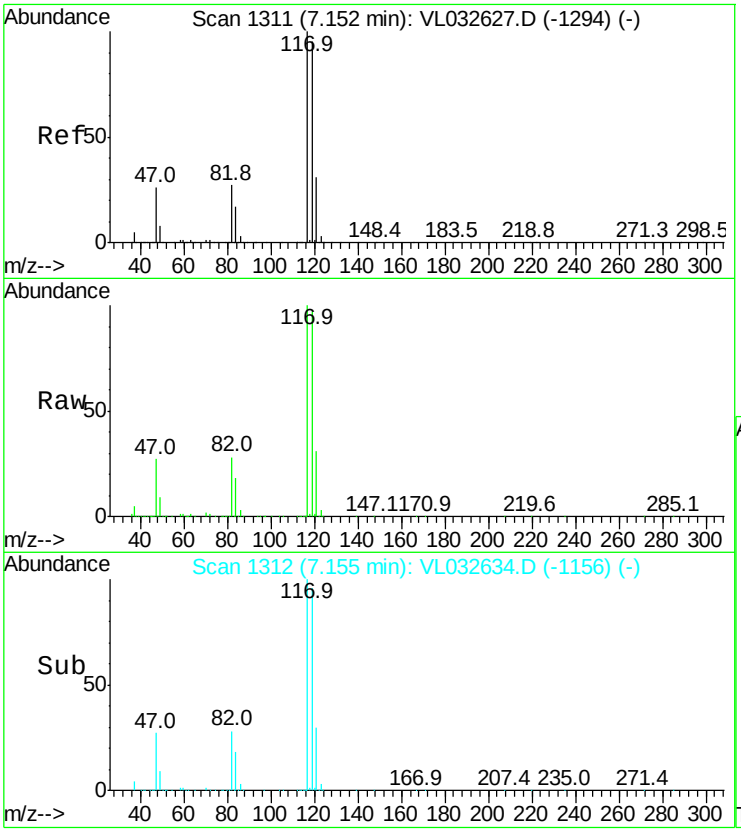


#34
2-Butanone
Concen: 11.011 ppbv
RT: 5.35 min Scan# 750
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 1777344

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.6	27.8



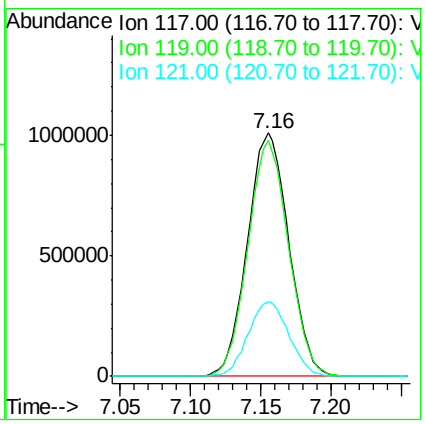


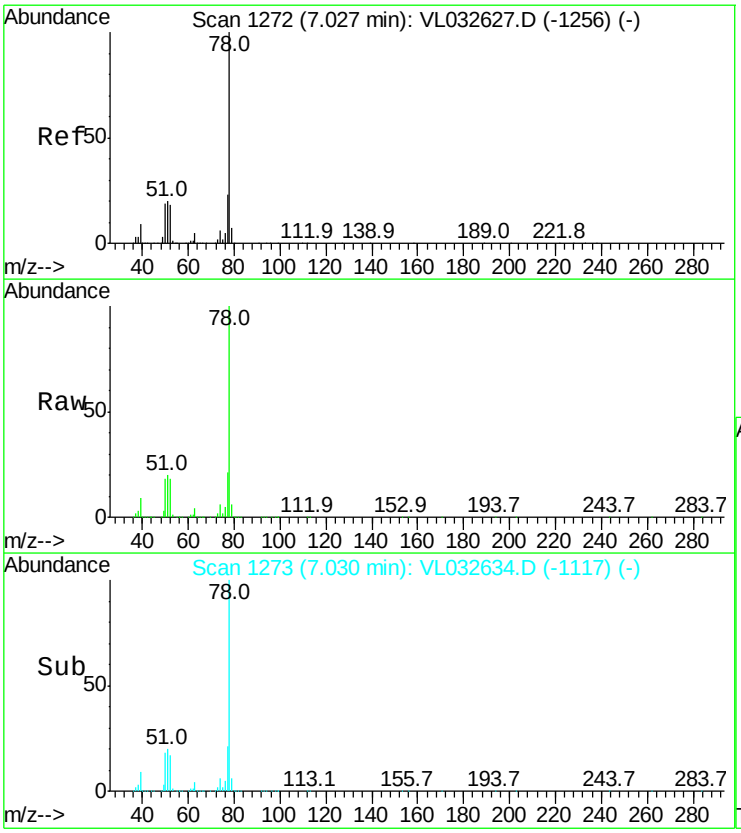
#35
Carbon Tetrachloride
Concen: 9.182 ppbv
RT: 7.16 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:117 Resp: 2069534

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.7	113.5
121	30.7	24.7	37.1

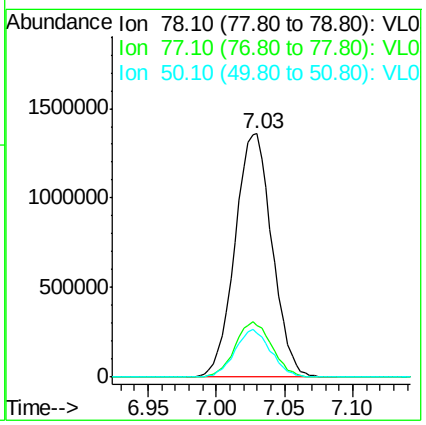


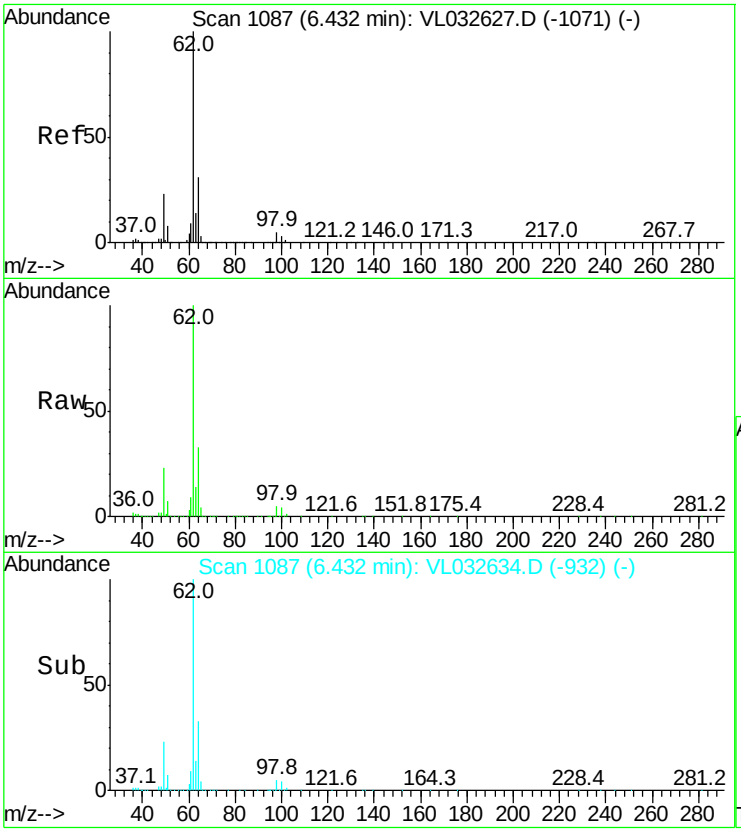


#36
Benzene
Concen: 10.897 ppbv
RT: 7.03 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 78 Resp: 2568725

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.1	27.1
50	17.9	15.1	22.7

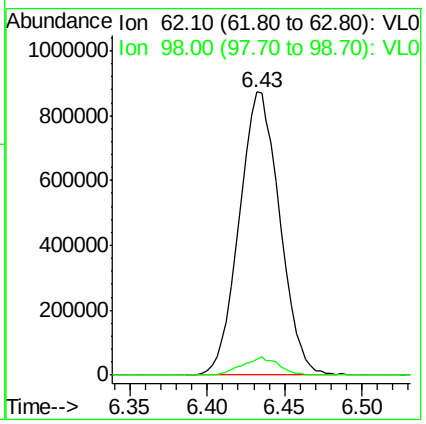




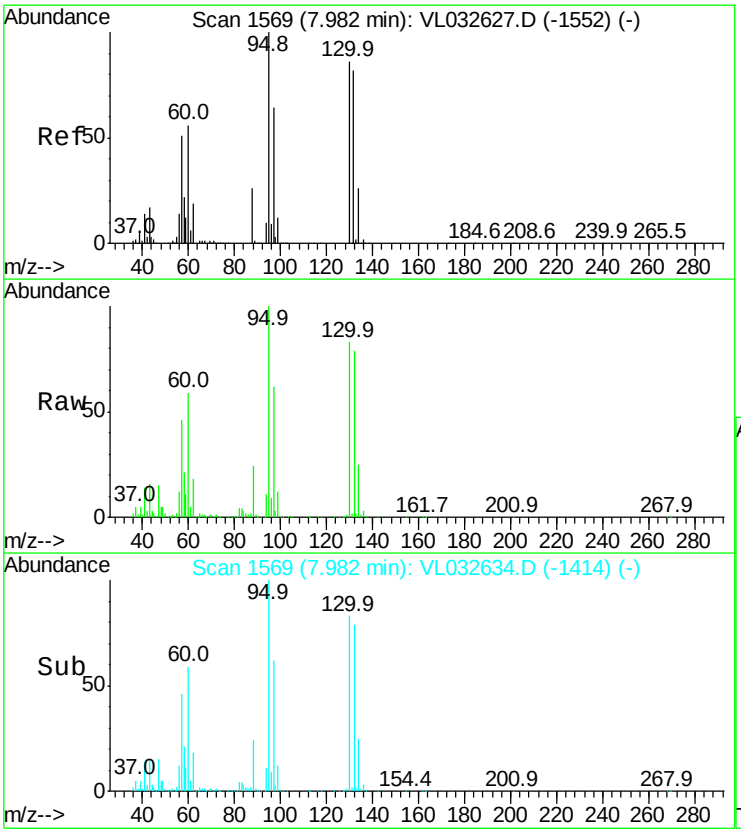
#37
1,2-Dichloroethane
Concen: 9.836 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 62 Resp: 1590175

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.4	6.6



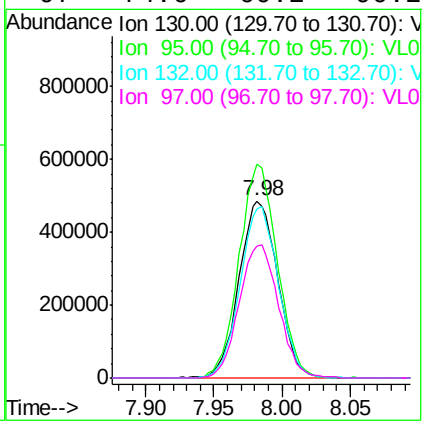
Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

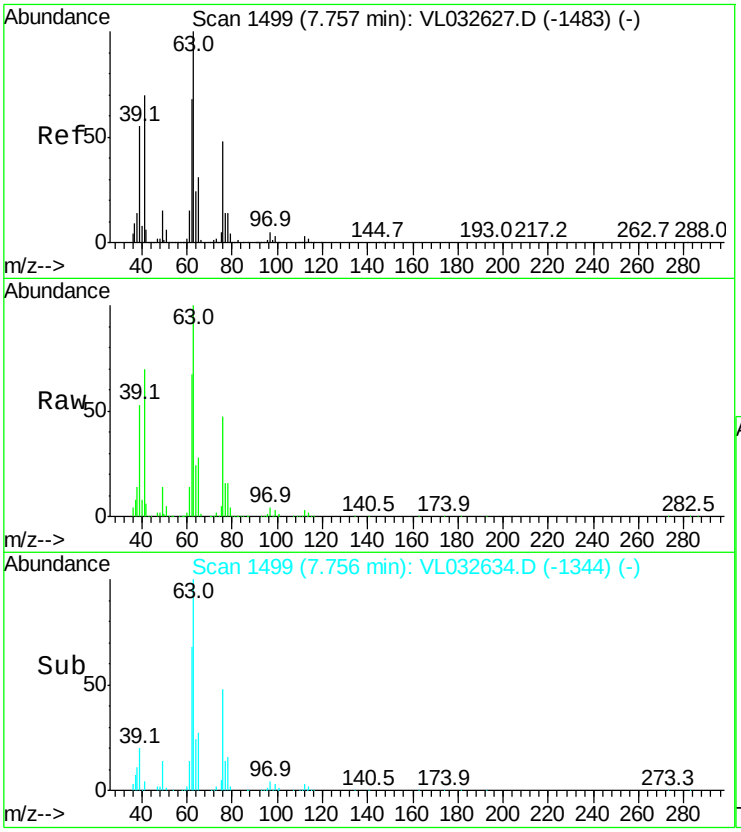


#38
Trichloroethene
Concen: 10.674 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:130 Resp: 946023

Ion	Ratio	Lower	Upper
130	100		
95	120.8	93.4	140.0
132	95.5	76.5	114.7
97	74.6	60.2	90.2



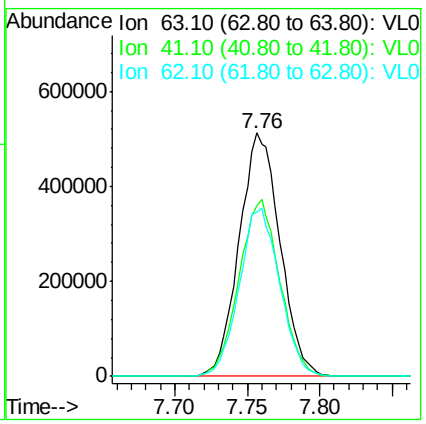


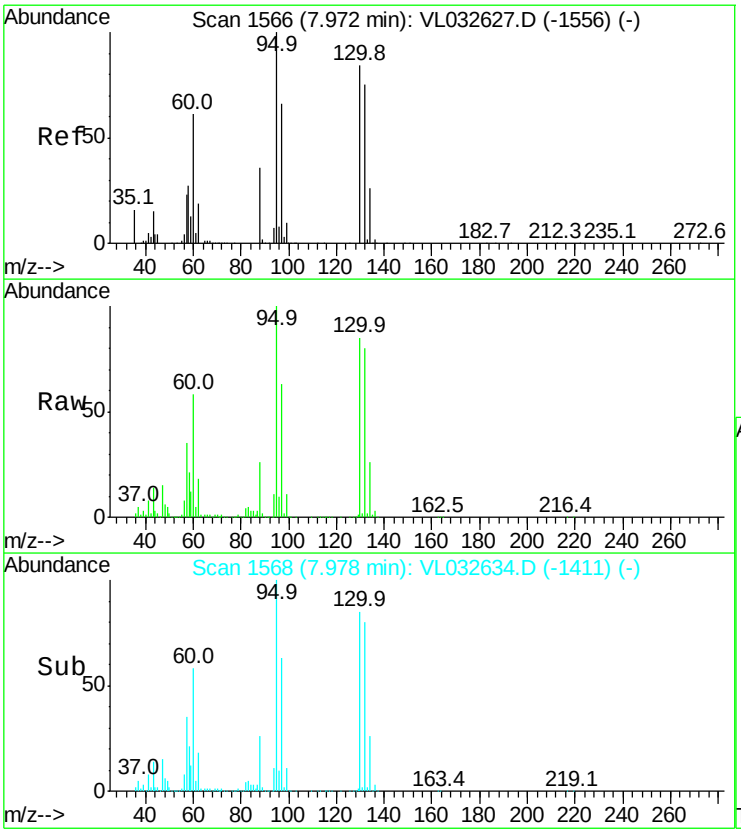
#39
1,2-Dichloropropane
Concen: 10.438 ppbv
RT: 7.76 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 63 Resp: 1000932

Ion	Ratio	Lower	Upper
63	100		
41	69.8	56.2	84.4
62	67.3	54.4	81.6

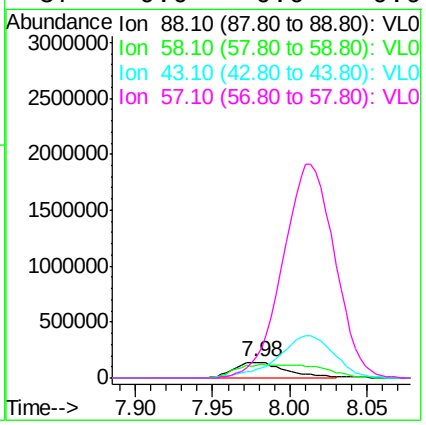


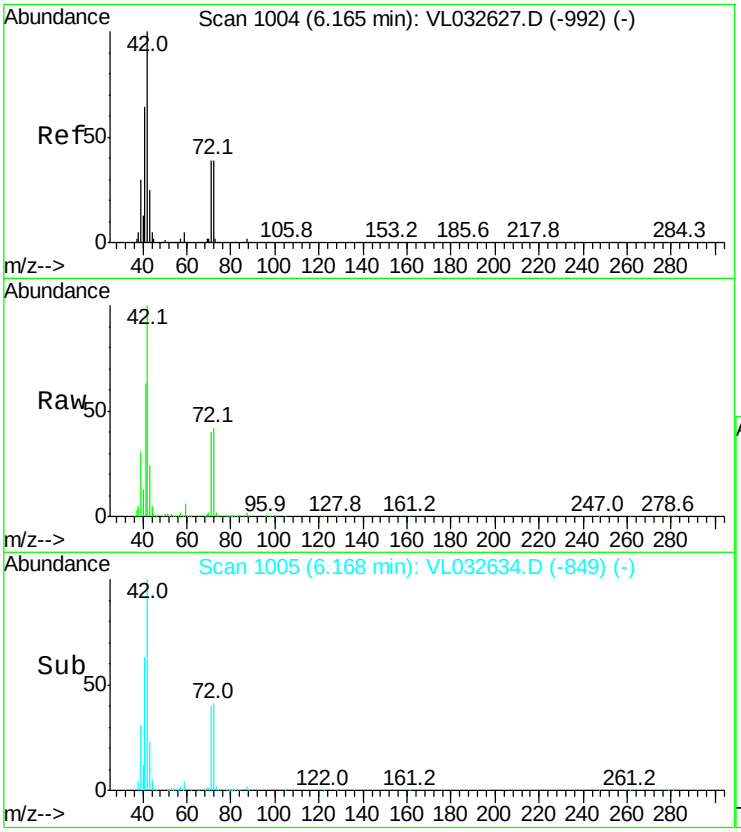


#40
1,4-Dioxane
Concen: 10.133 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 88 Resp: 335705

Ion	Ratio	Lower	Upper
88	100		
58	140.7	104.0	156.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



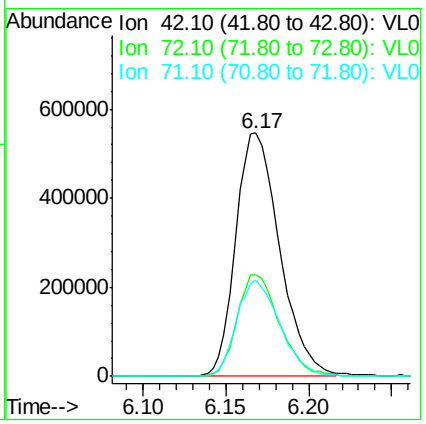


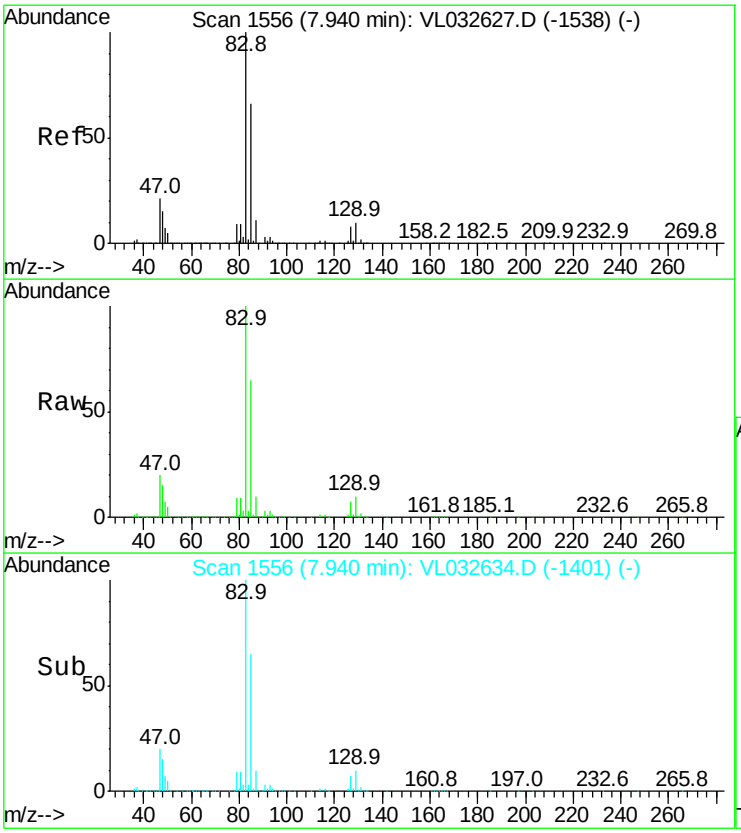
#41
Tetrahydrofuran
Concen: 11.751 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 42 Resp: 1006364

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	39.2	31.3	46.9

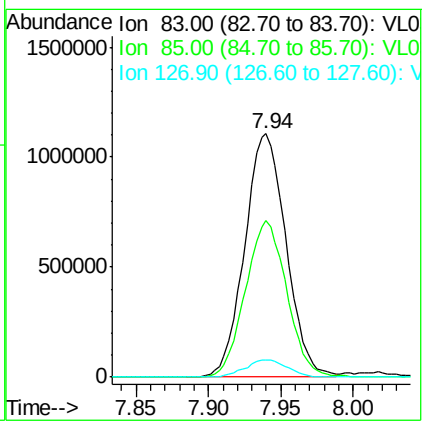


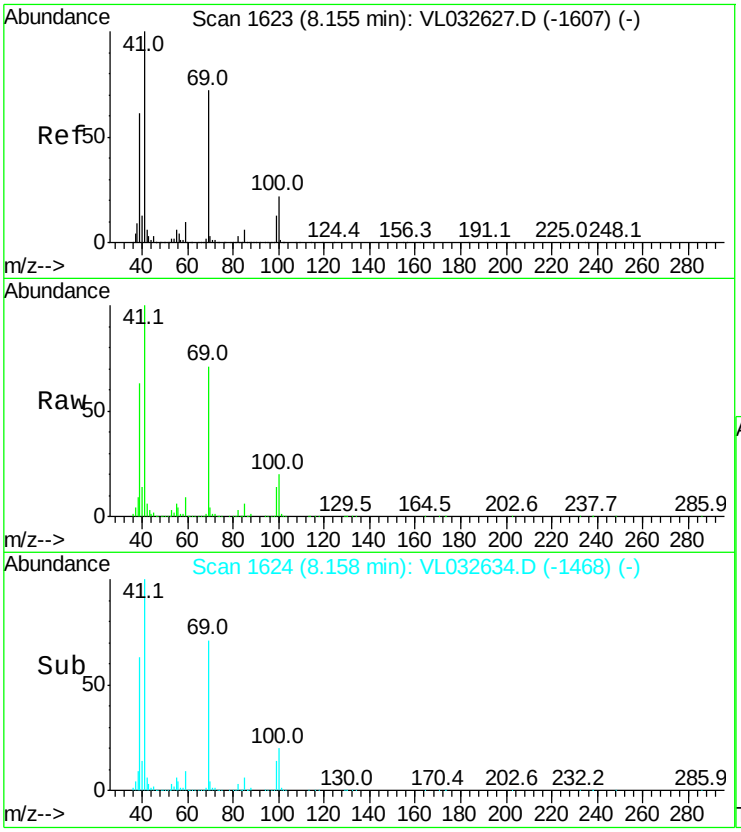


#42
Bromodichloromethane
Concen: 9.981 ppbv
RT: 7.94 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 83 Resp: 2199688

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6
127	7.0	6.1	9.1



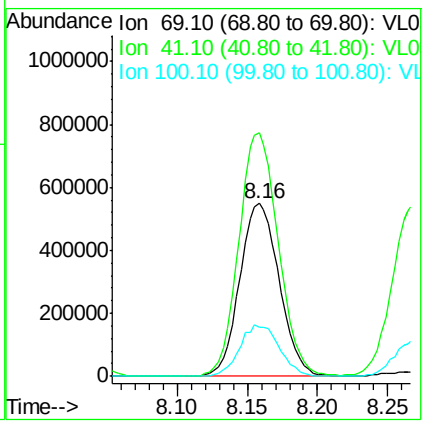


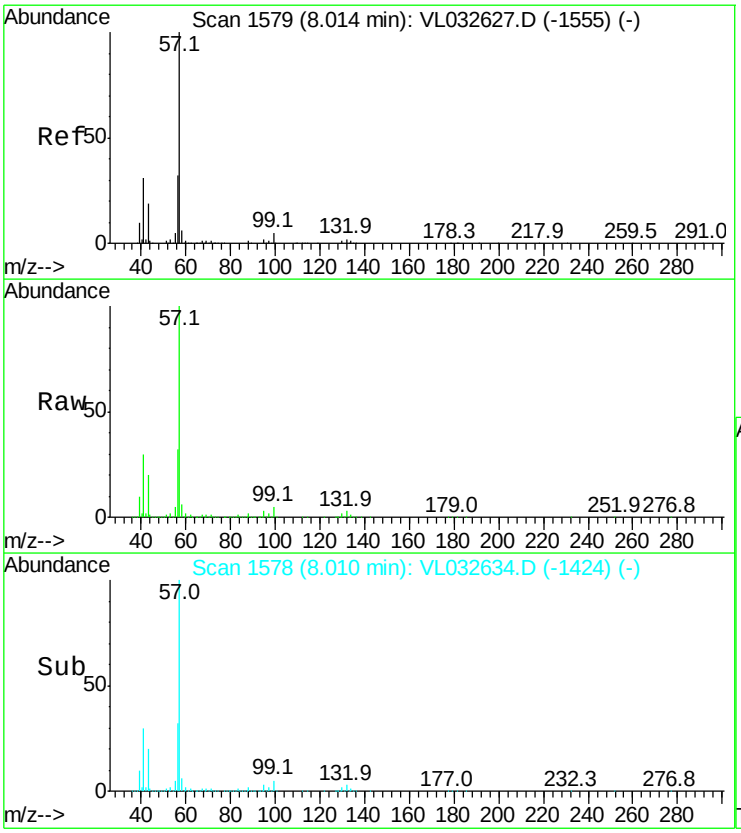
#43
Methyl Methacrylate
Concen: 11.777 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 69 Resp: 1076452

Ion	Ratio	Lower	Upper
69	100		
41	140.5	113.2	169.8
100	29.9	24.4	36.6

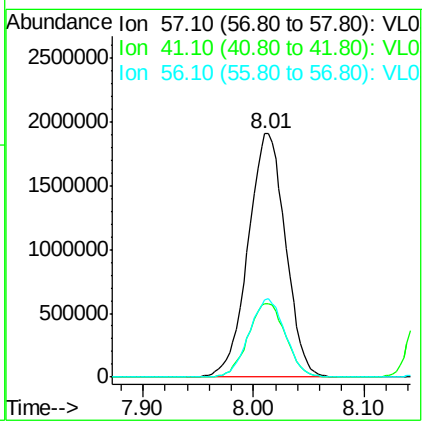


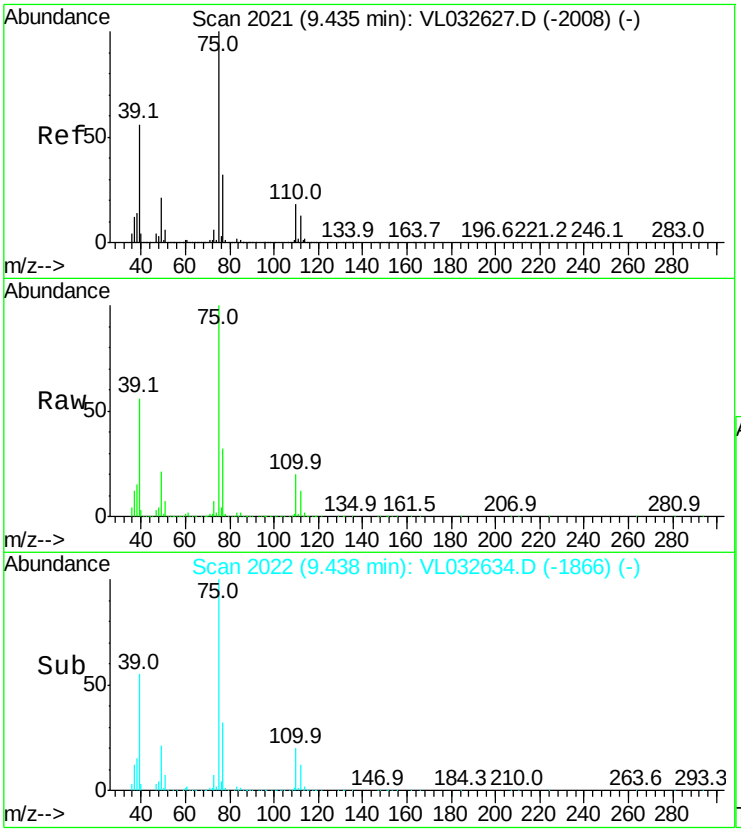


#44
2,2,4-Trimethylpentane
Concen: 10.716 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 57 Resp: 4478210

Ion	Ratio	Lower	Upper
57	100		
41	30.5	24.7	37.1
56	31.2	25.0	37.4



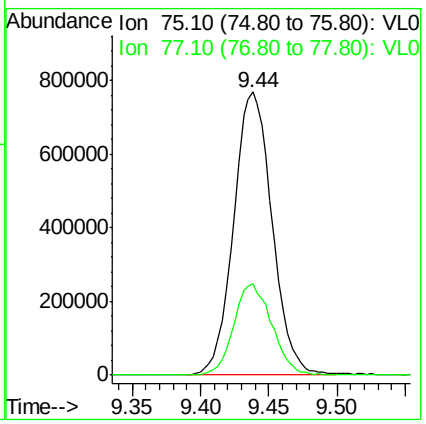


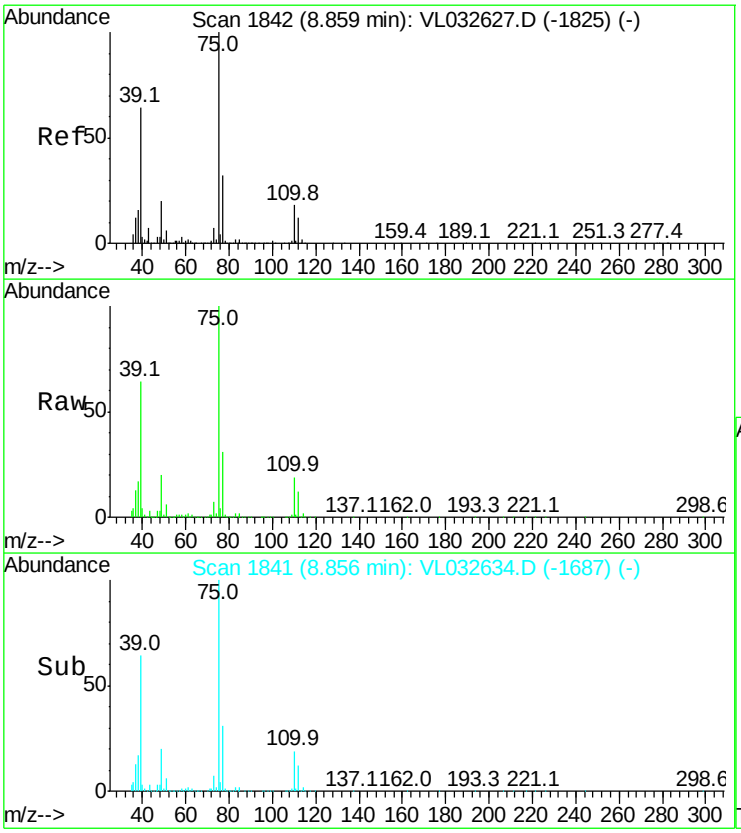
#45
t-1,3-Dichloropropene
Concen: 12.552 ppbv
RT: 9.44 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 75 Resp: 1500099

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9

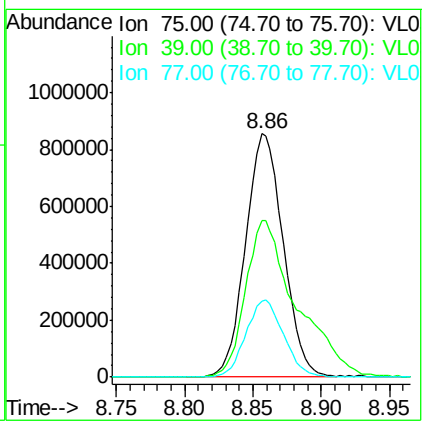


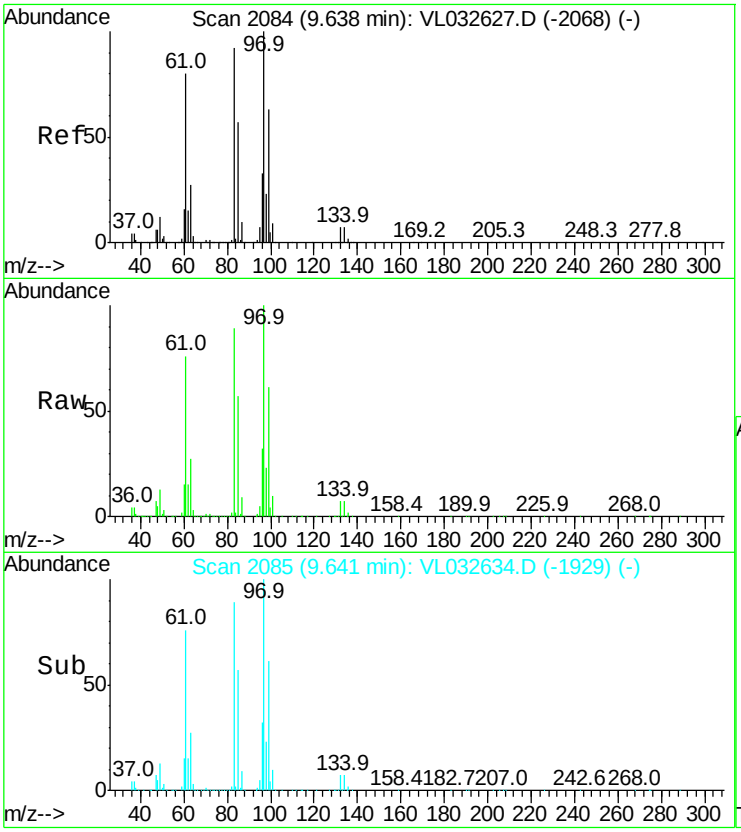


#46
cis-1,3-Dichloropropene
Concen: 12.035 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 75 Resp: 1637478

Ion	Ratio	Lower	Upper
75	100		
39	64.1	50.9	76.3
77	31.3	25.8	38.6



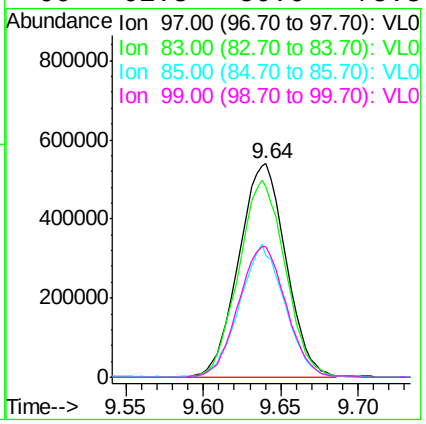


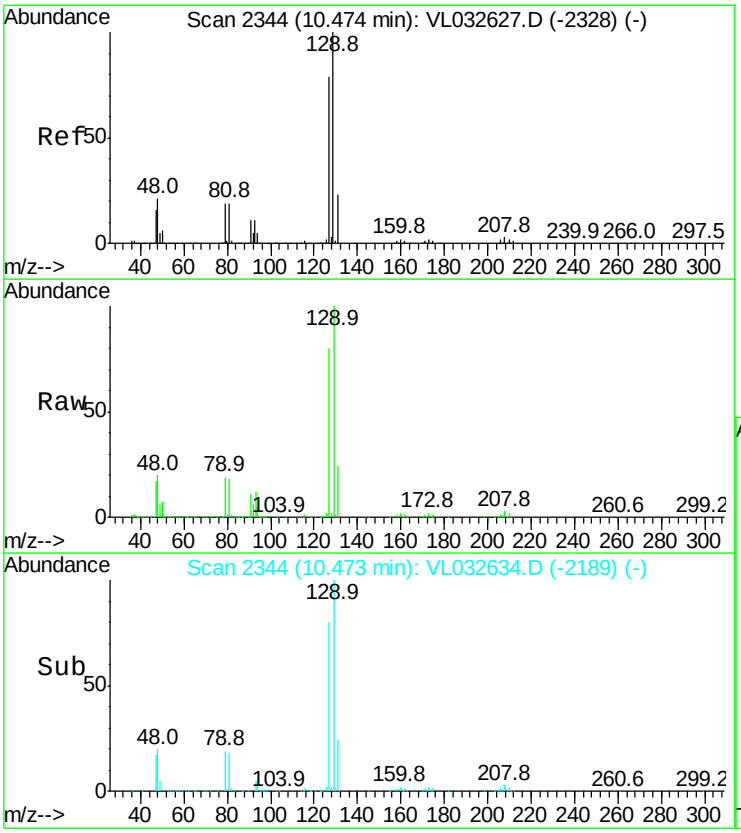
#47
1,1,2-Trichloroethane
Concen: 9.951 ppbv
RT: 9.64 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 97 Resp: 1140352

Ion	Ratio	Lower	Upper
97	100		
83	89.4	73.5	110.3
85	56.5	45.8	68.6
99	61.3	50.6	75.8

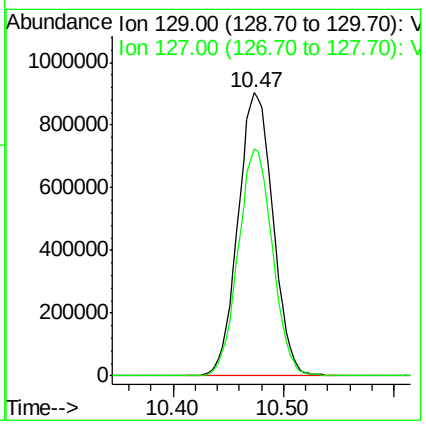


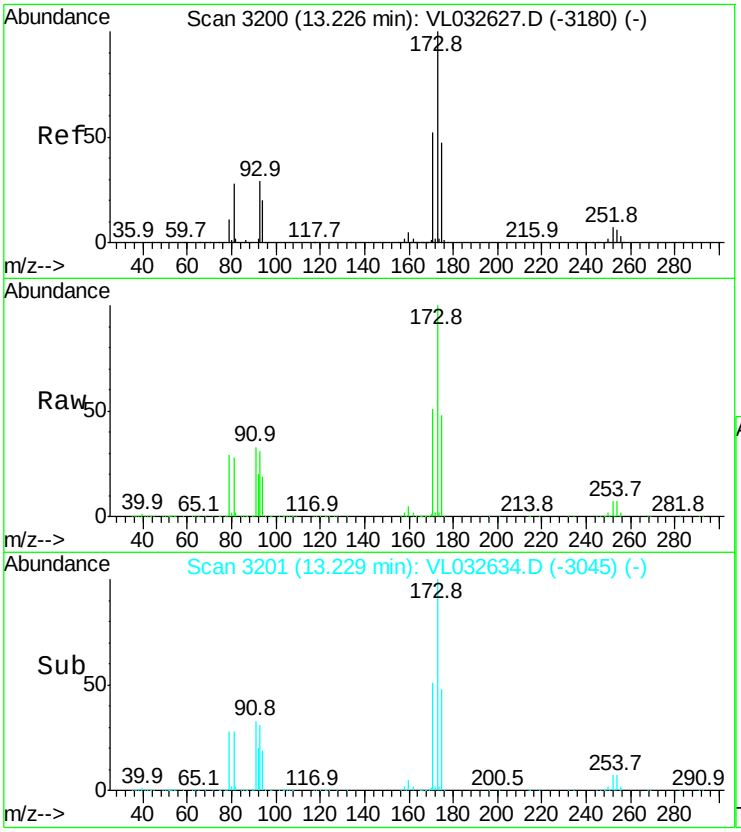


#48
Dibromochloromethane
Concen: 10.187 ppbv
RT: 10.47 min Scan# 2344
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:129 Resp: 1982759

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5



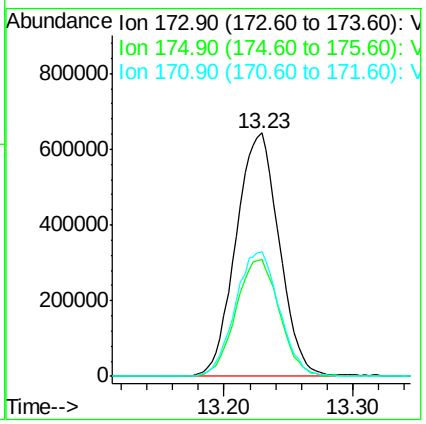


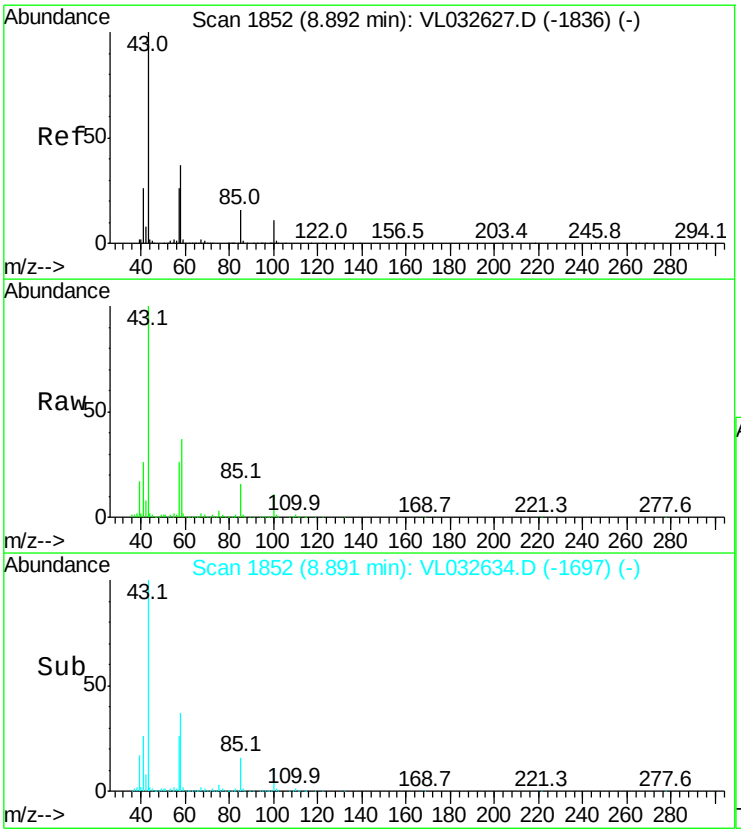
#49
Bromoform
Concen: 10.199 ppbv
RT: 13.23 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion:173 Resp: 1499965

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	52.5	42.2	63.2

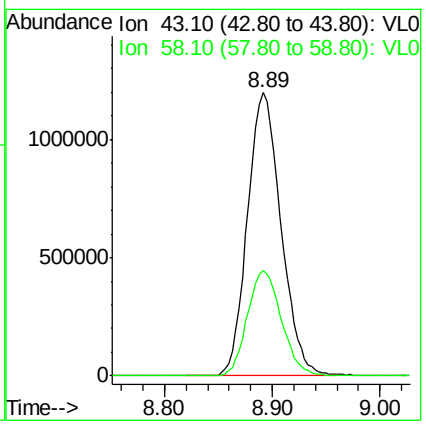


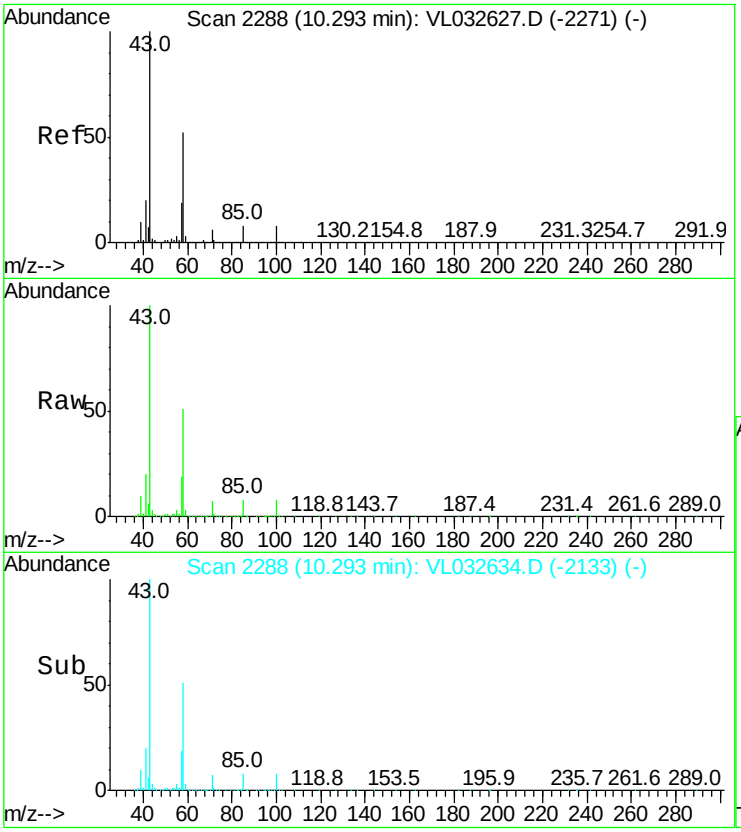


#50
4-Methyl-2-Pentanone
Concen: 10.920 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 43 Resp: 2594406

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.7	44.5



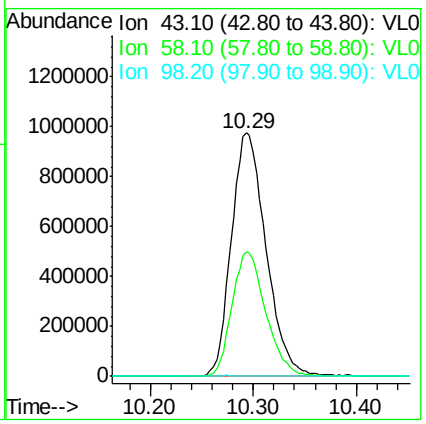


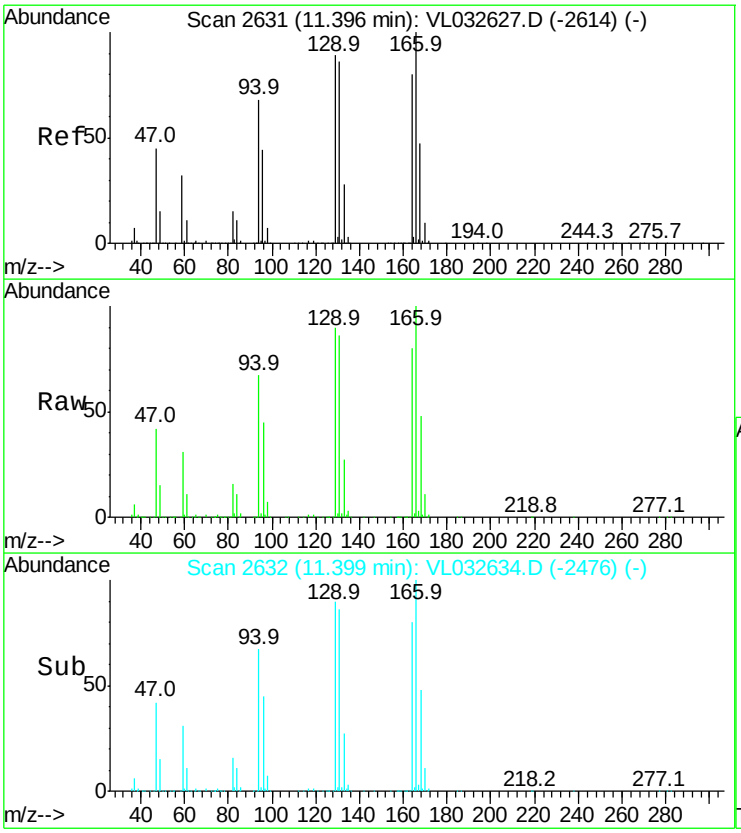
#51
2-Hexanone
Concen: 12.206 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 43 Resp: 2280193

Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.4	60.6
98	0.4	0.4	0.6

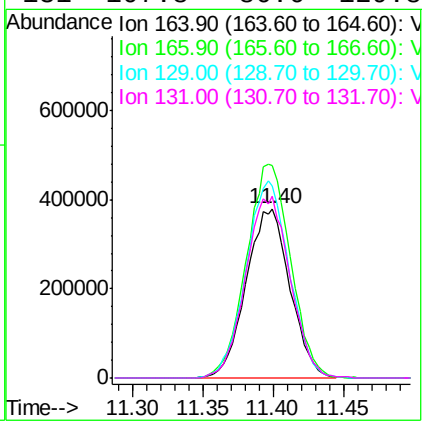


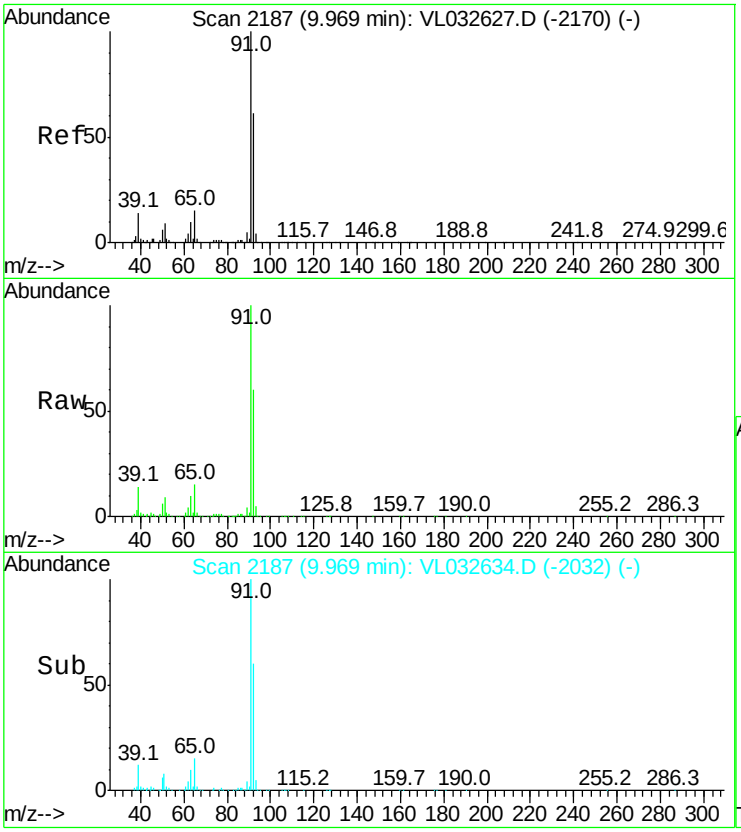


#52
Tetrachloroethene
Concen: 10.617 ppbv
RT: 11.40 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:164 Resp: 823909

Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.5	150.7
129	113.1	90.0	135.0
131	107.8	86.6	129.8



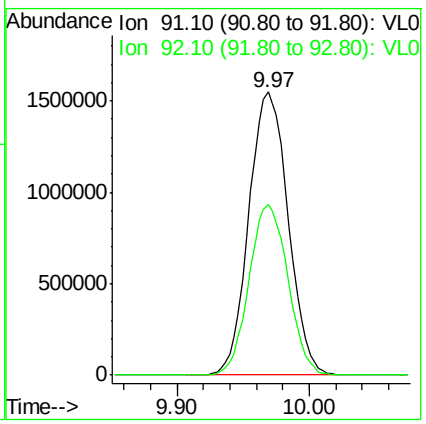


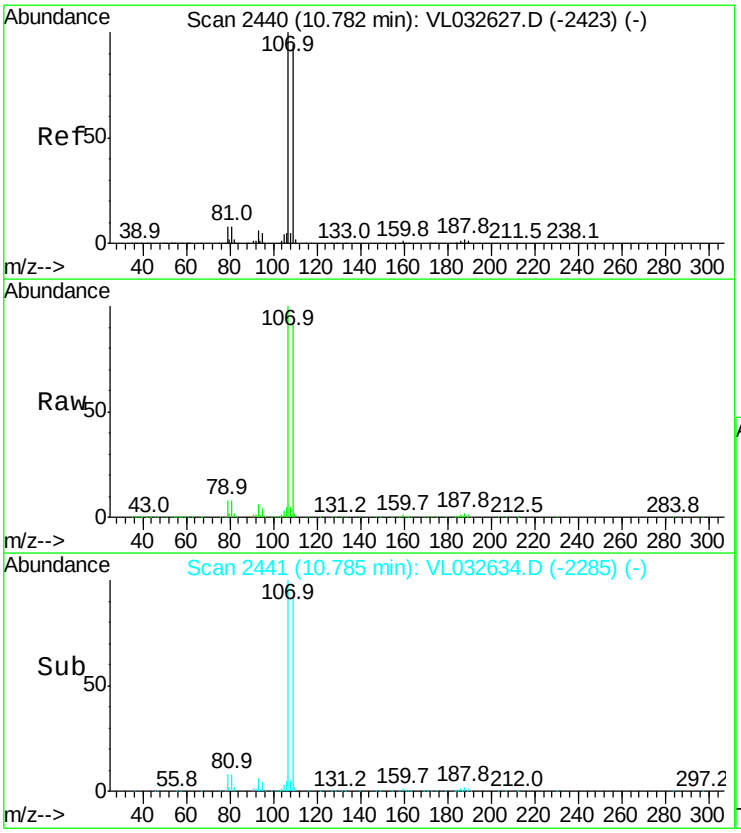
#53
Toluene
Concen: 11.917 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 91 Resp: 3202492

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.4	72.6

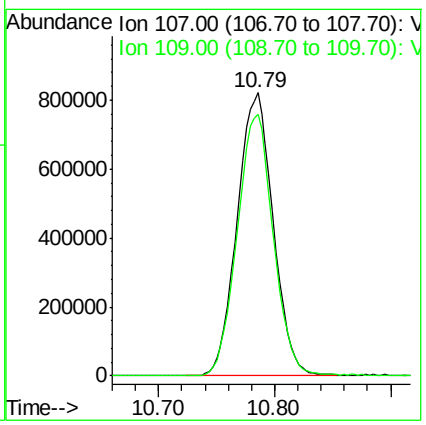


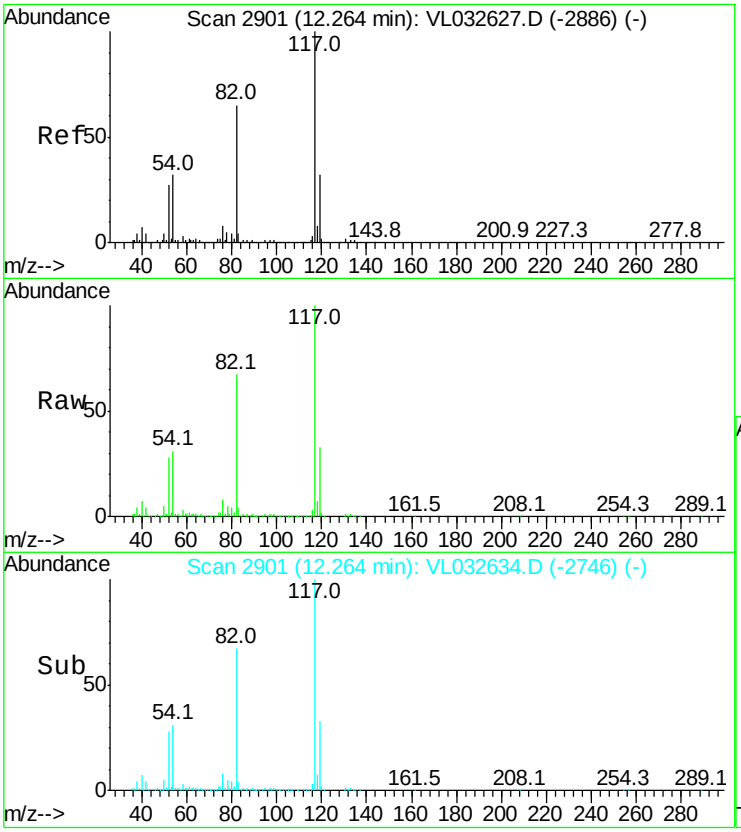


#54
1,2-Dibromoethane
Concen: 10.805 ppbv
RT: 10.79 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:107 Resp: 1772990

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.3	112.9



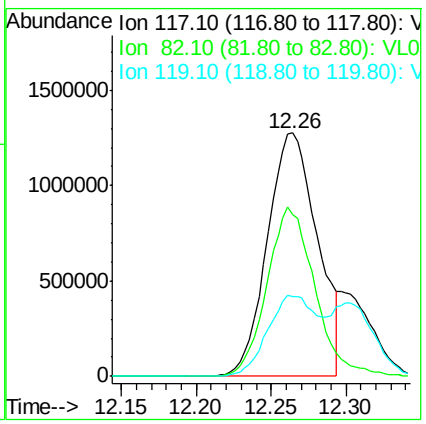


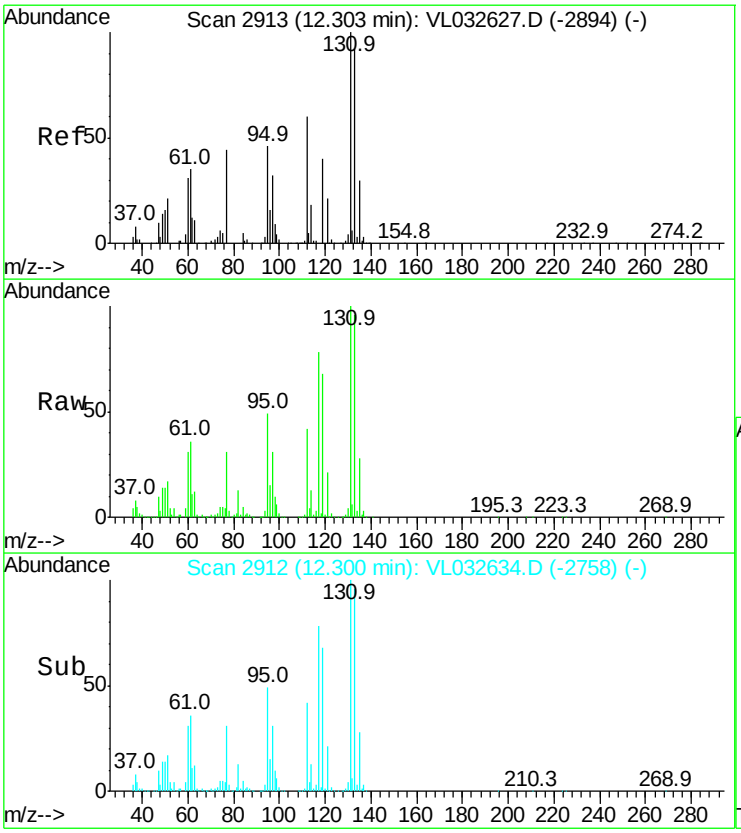
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:117 Resp: 2964594

Ion	Ratio	Lower	Upper
117	100		
82	66.7	52.7	79.1
119	31.8	26.7	40.1

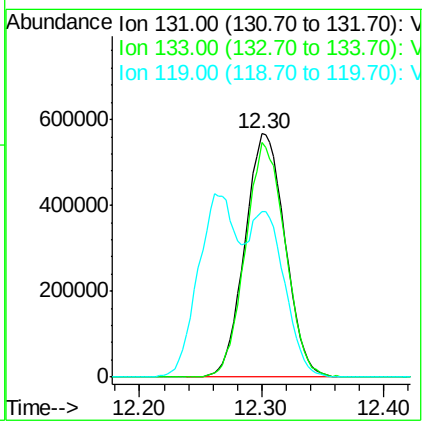


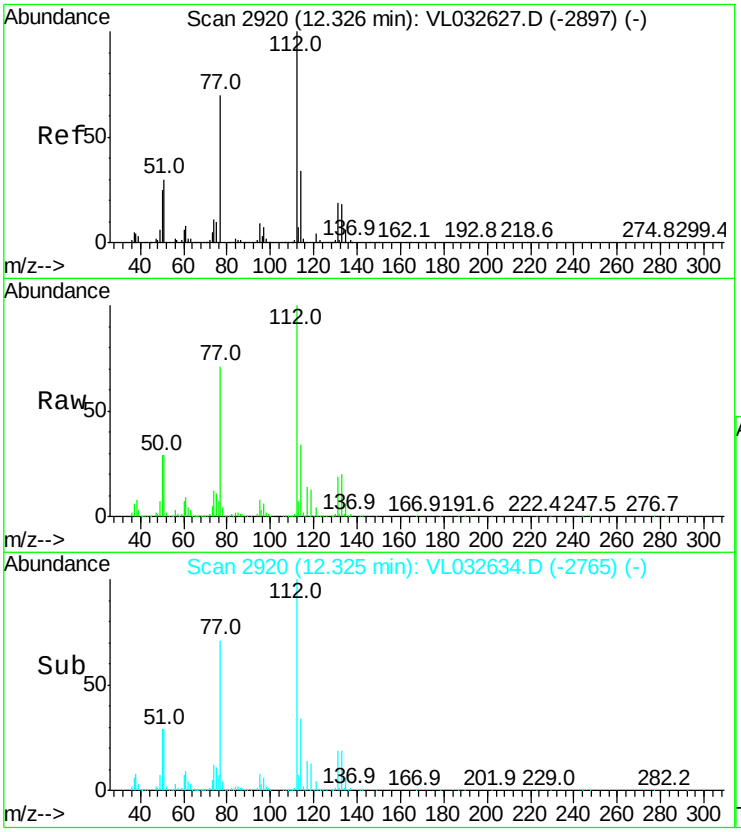


#56
1,1,1,2-Tetrachloroethane
Concen: 9.495 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:131 Resp: 1292509

Ion	Ratio	Lower	Upper
131	100		
133	95.4	75.4	113.2
119	62.9	49.1	73.7



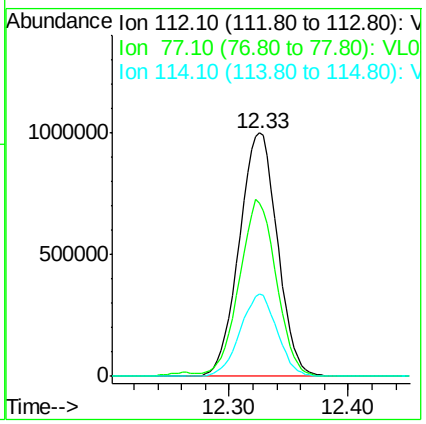


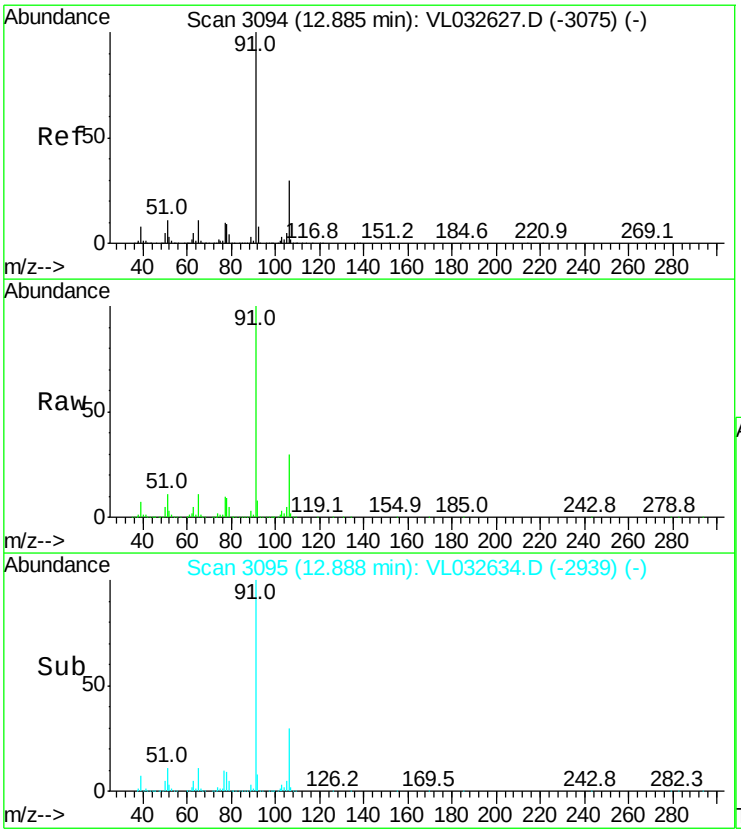
#57
Chlorobenzene
Concen: 9.846 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion:112 Resp: 2219793

Ion	Ratio	Lower	Upper
112	100		
77	71.0	56.8	85.2
114	33.5	30.3	37.1

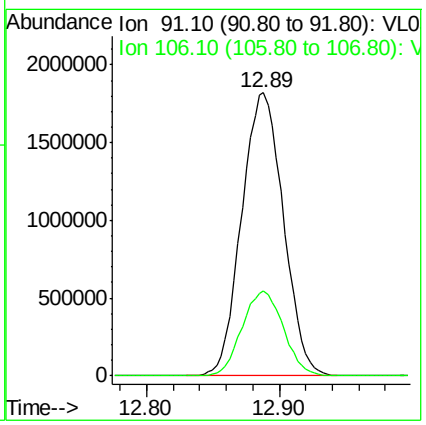


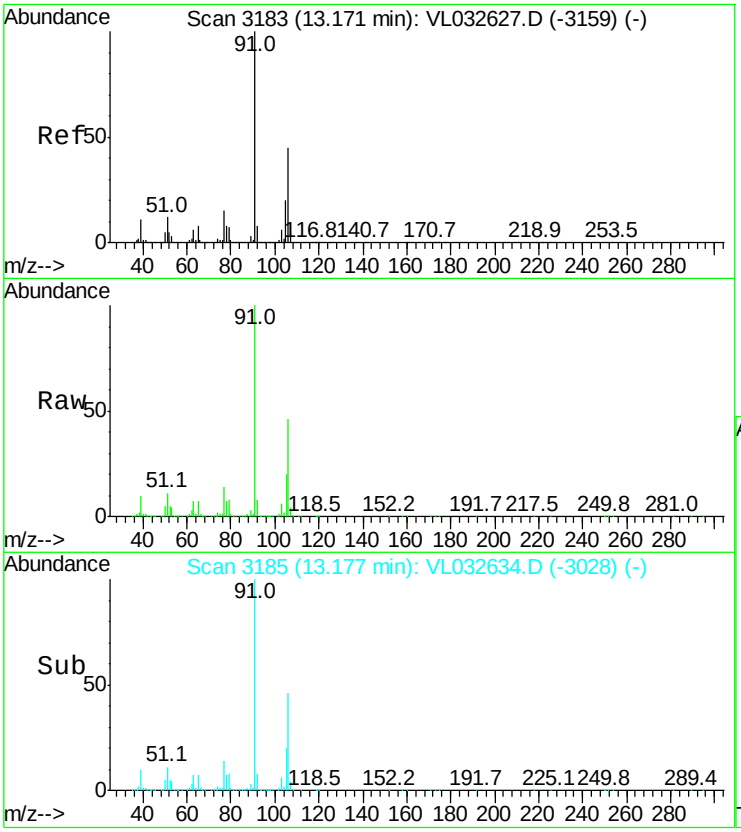


#58
Ethyl Benzene
Concen: 11.949 ppbv
RT: 12.89 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 3978231

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.2



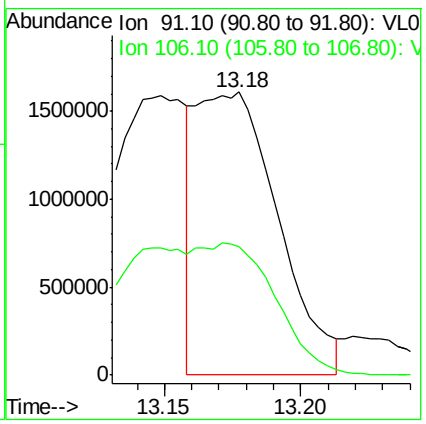


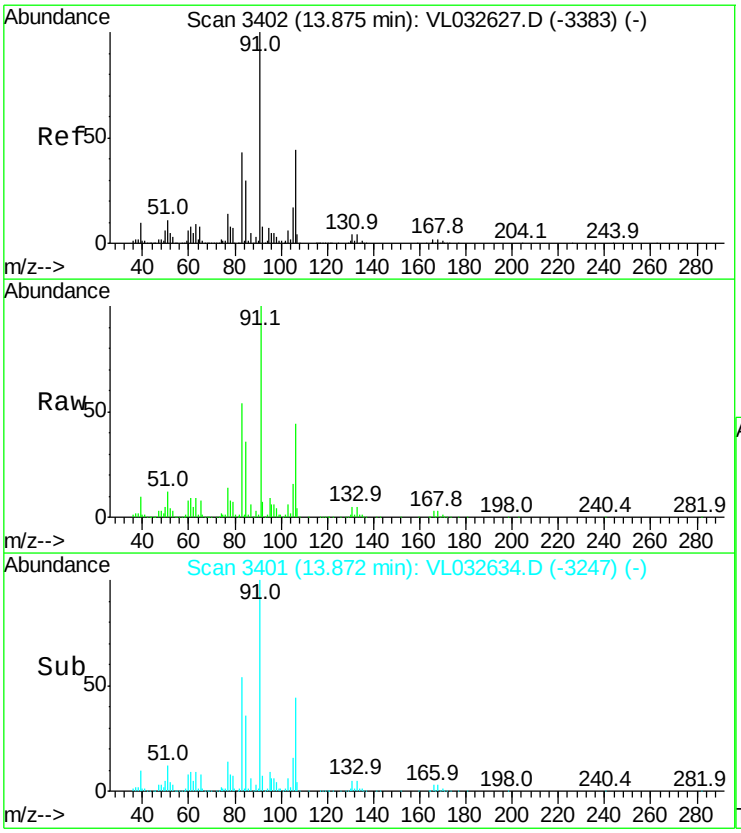
#59
m/p-Xylene
Concen: 11.185 ppbv
RT: 13.18 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 91 Resp: 3324133

Ion	Ratio	Lower	Upper
91	100		
106	89.4	35.9	53.9#

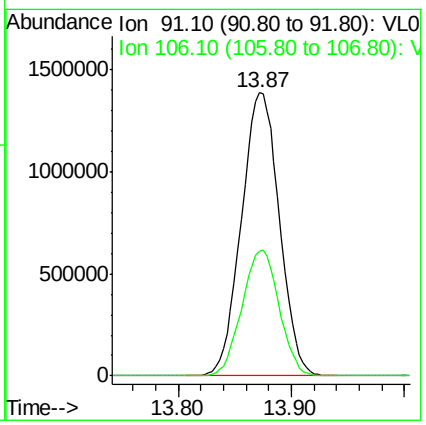


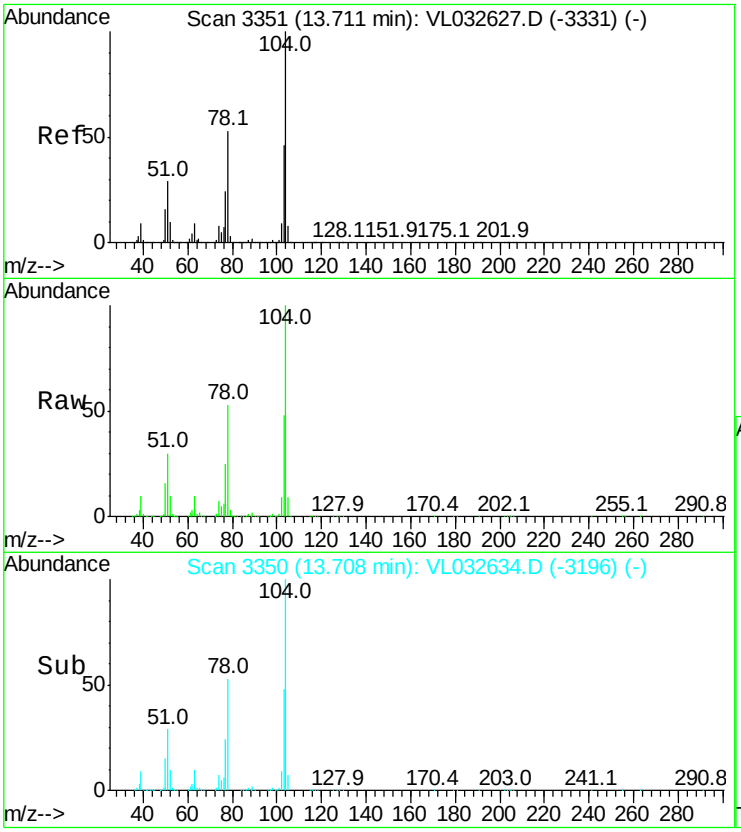


#60
o-Xylene
Concen: 10.926 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 3235802

Ion	Ratio	Lower	Upper
91	100		
106	43.9	22.1	66.1



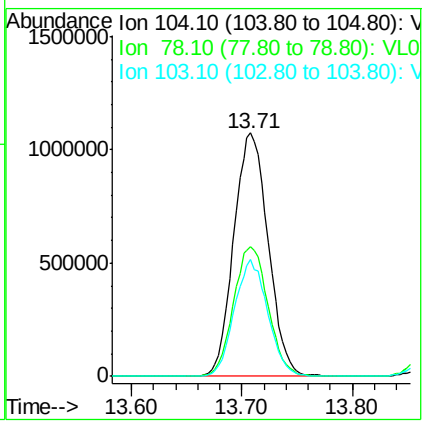


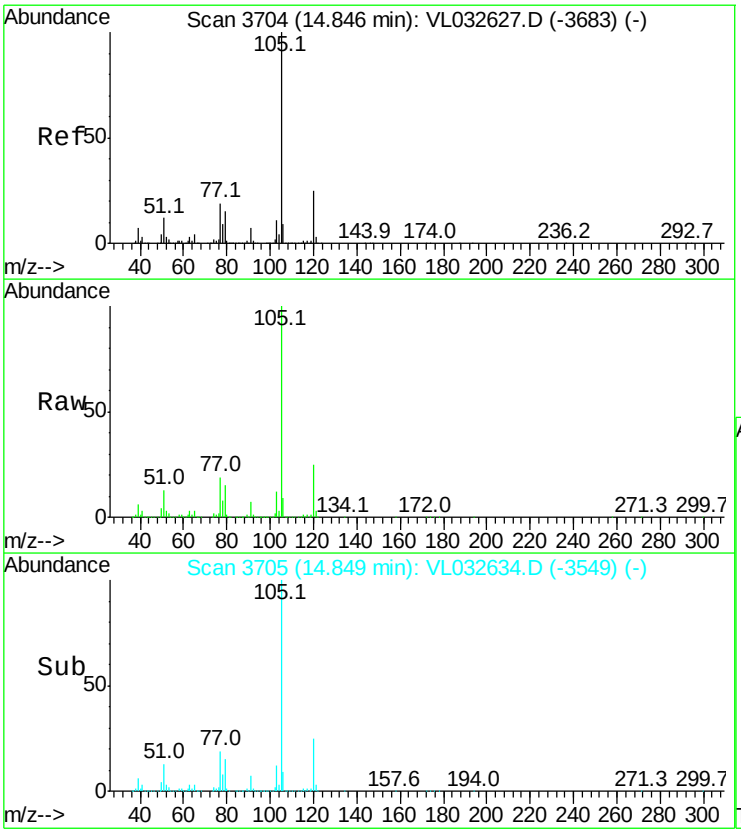
#61
Styrene
Concen: 12.936 ppbv
RT: 13.71 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion:104 Resp: 2321702

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.8	64.2
103	46.6	37.4	56.0

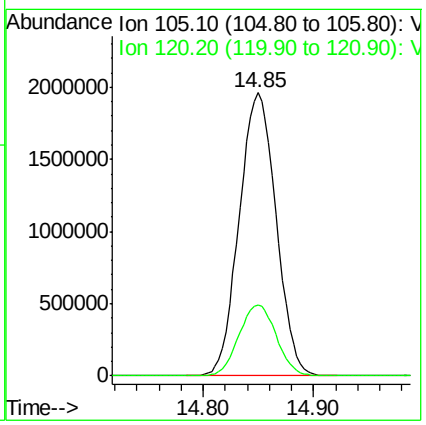


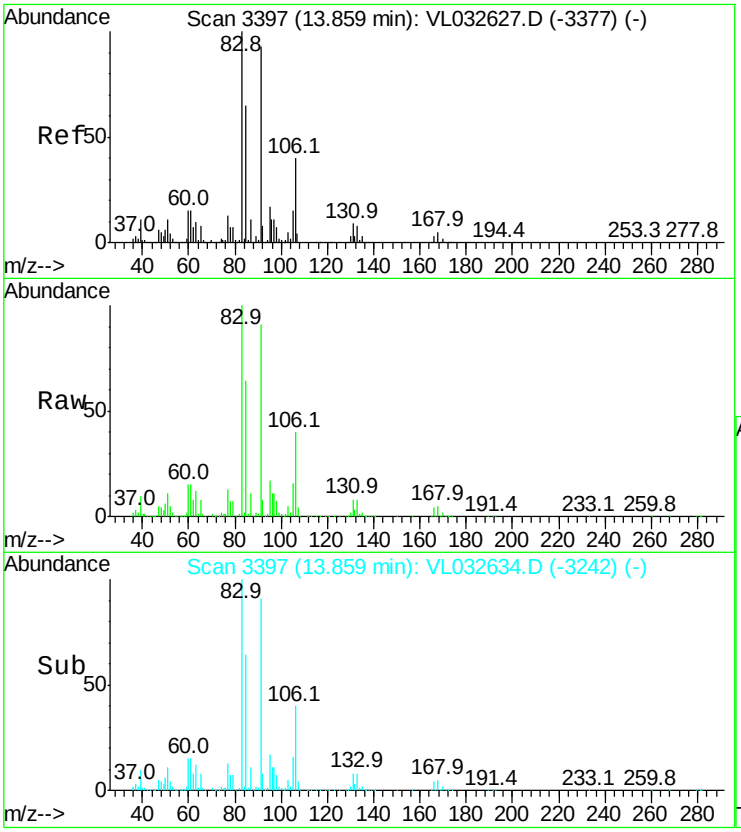


#62
Isopropylbenzene
Concen: 10.745 ppbv
RT: 14.85 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 4533573

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7



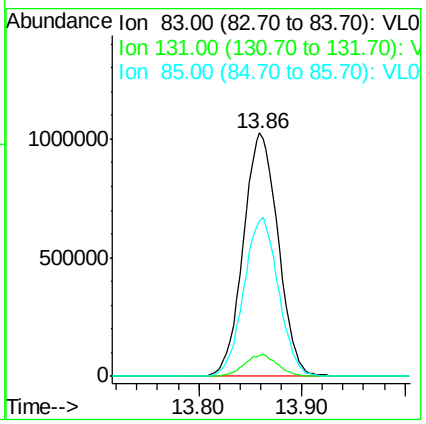


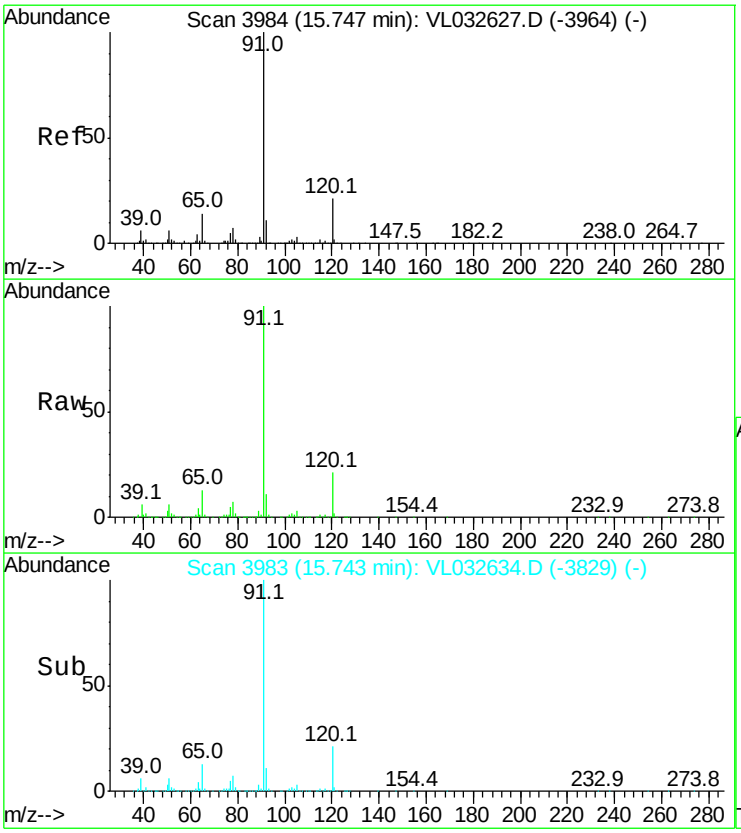
#63
1,1,2,2-Tetrachloroethane
Concen: 9.193 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion: 83 Resp: 2402560

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.9
85	65.2	32.3	96.9

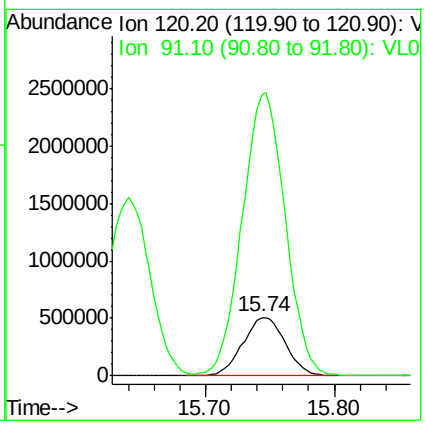


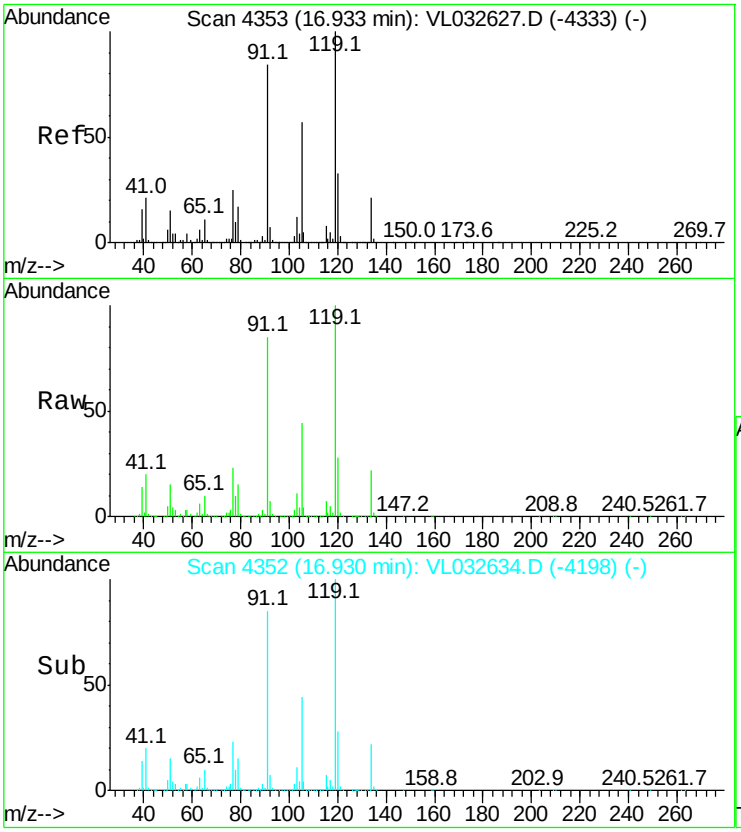


#64
n-propylbenzene
Concen: 10.902 ppbv
RT: 15.74 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:120 Resp: 1165494

Ion	Ratio	Lower	Upper
120	100		
91	490.4	390.2	585.2



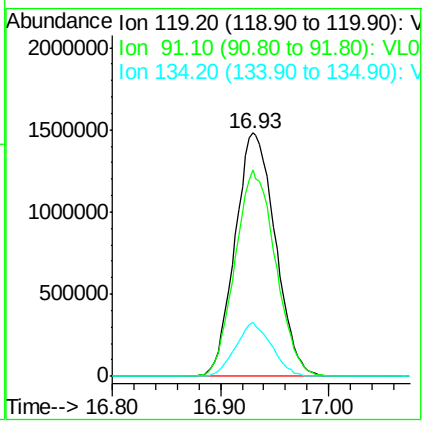


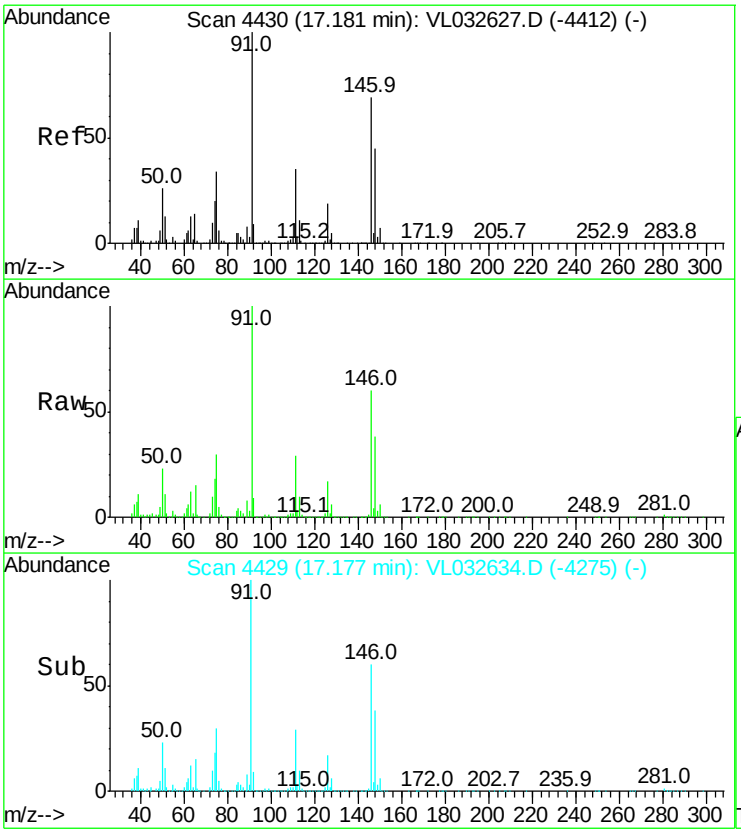
#65
tert-Butylbenzene
Concen: 10.741 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:119 Resp: 3845191

Ion	Ratio	Lower	Upper
119	100		
91	85.3	67.8	101.8
134	19.8	15.8	23.8

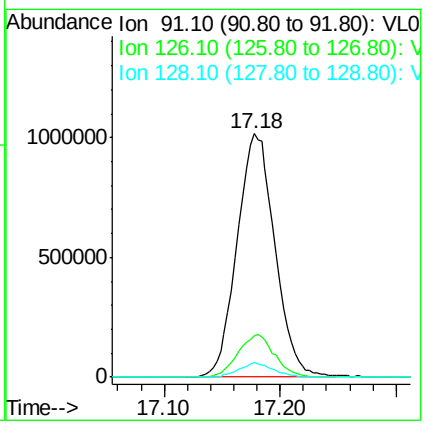


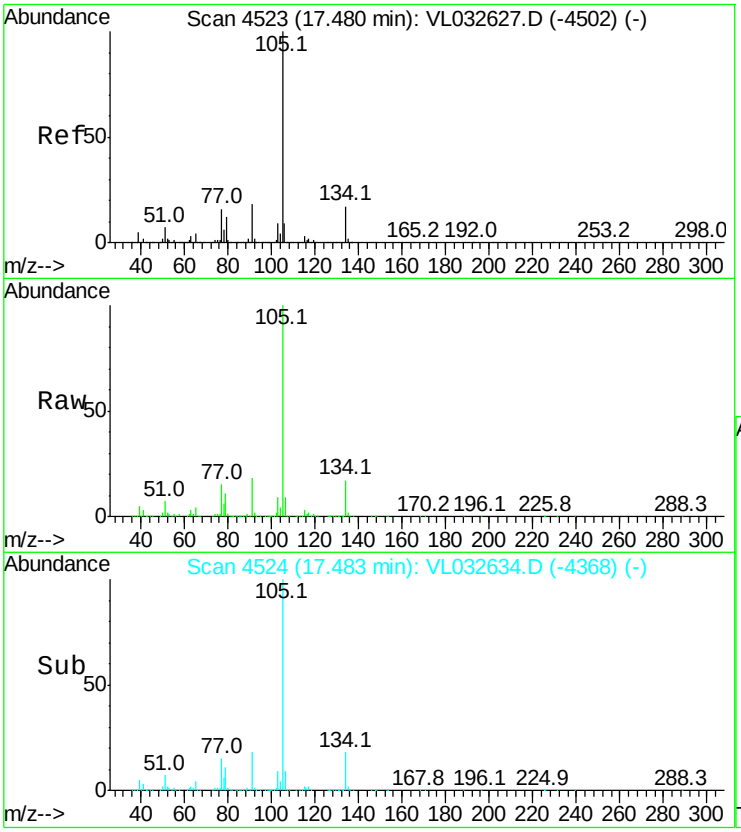


#66
Benzyl Chloride
Concen: 11.409 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 2302791

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.9	20.9
128	5.4	4.3	6.5



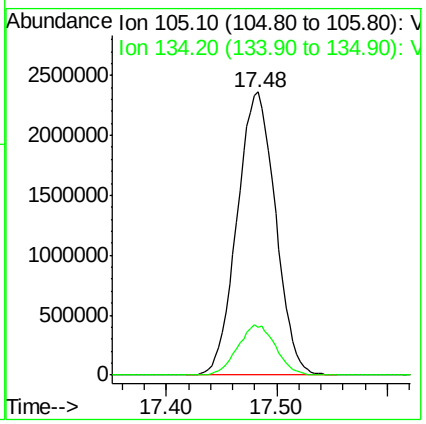


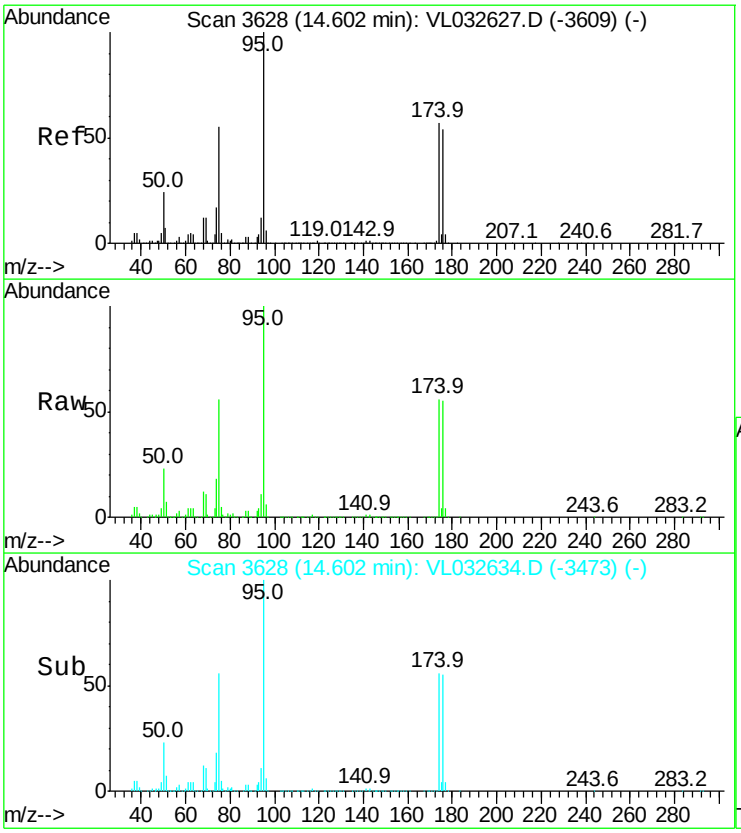
#67
sec-Butylbenzene
Concen: 10.593 ppbv
RT: 17.48 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument : MSVOA_L
ClientSampleId : ICVVL101718

Tgt Ion:105 Resp: 5707625

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.2

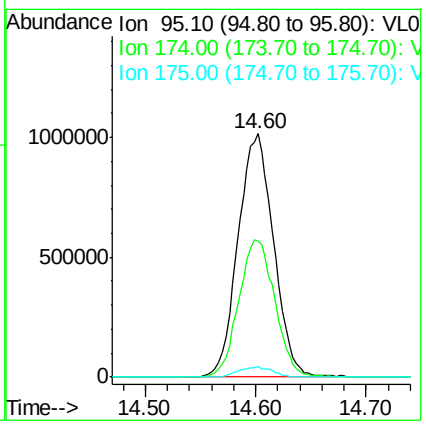


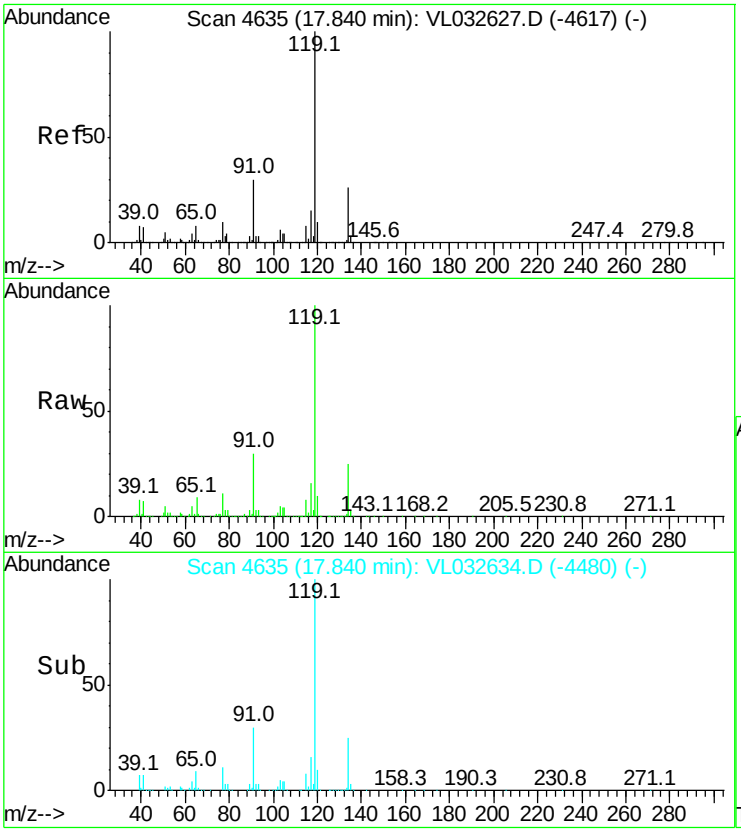


#68
1-Bromo-4-Fluorobenzene
Concen: 10.144 ppbv
RT: 14.60 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 95 Resp: 2264330

Ion	Ratio	Lower	Upper
95	100		
174	57.8	46.0	69.0
175	4.1	3.4	5.0



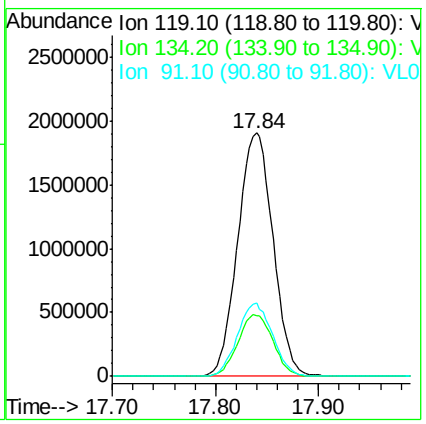


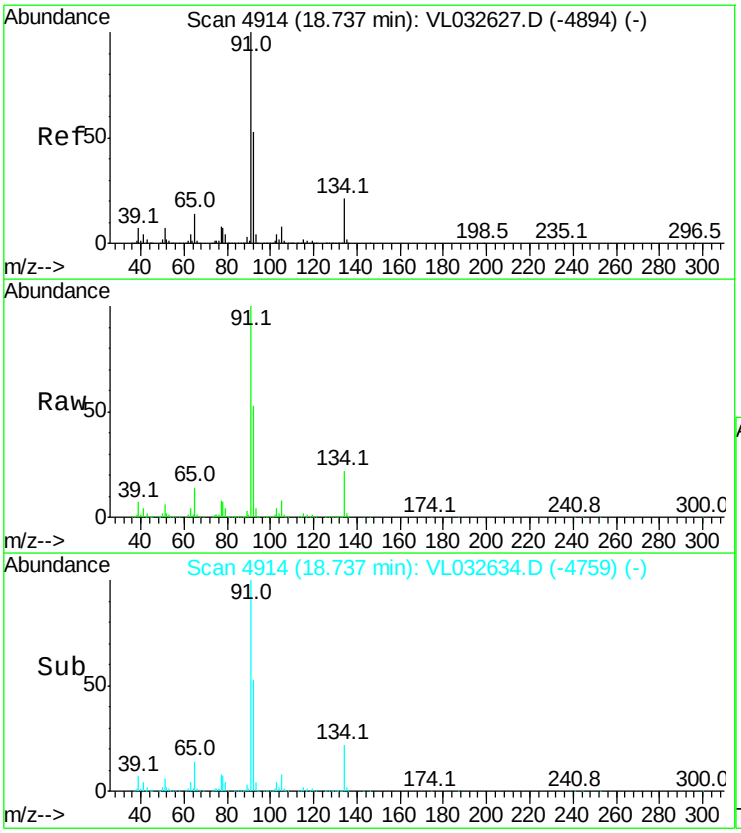
#69
p-Isopropyltoluene
Concen: 11.113 ppbv
RT: 17.84 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:119 Resp: 4531823

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.8	24.0	36.0

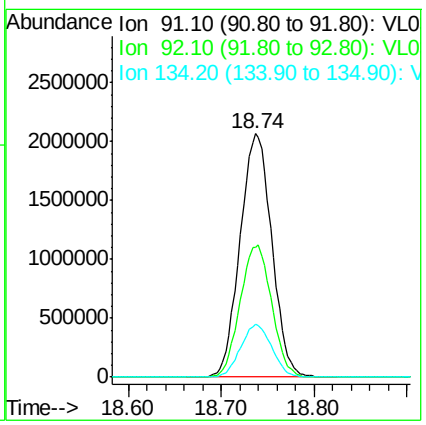


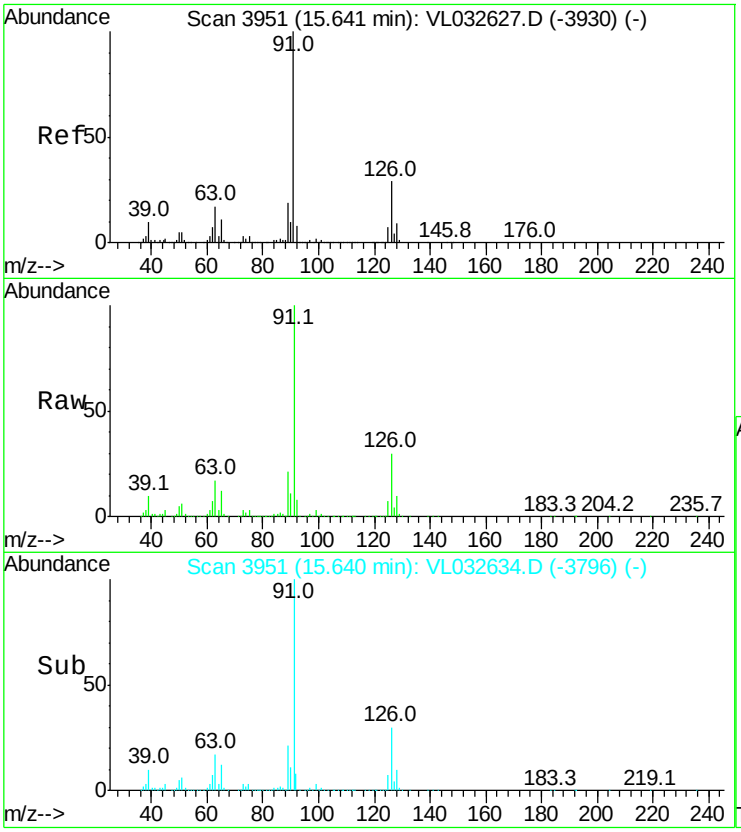


#70
n-Butylbenzene
Concen: 10.927 ppbv
RT: 18.74 min Scan# 4914
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion: 91 Resp: 4909321

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.0	64.4
134	21.2	17.0	25.6



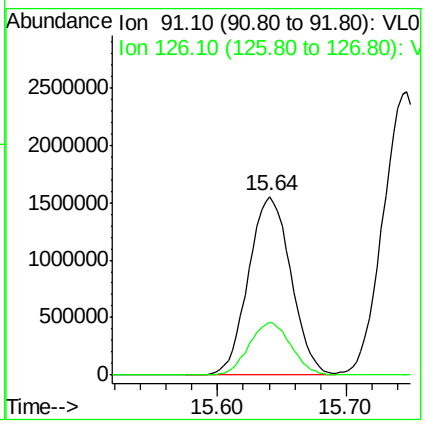


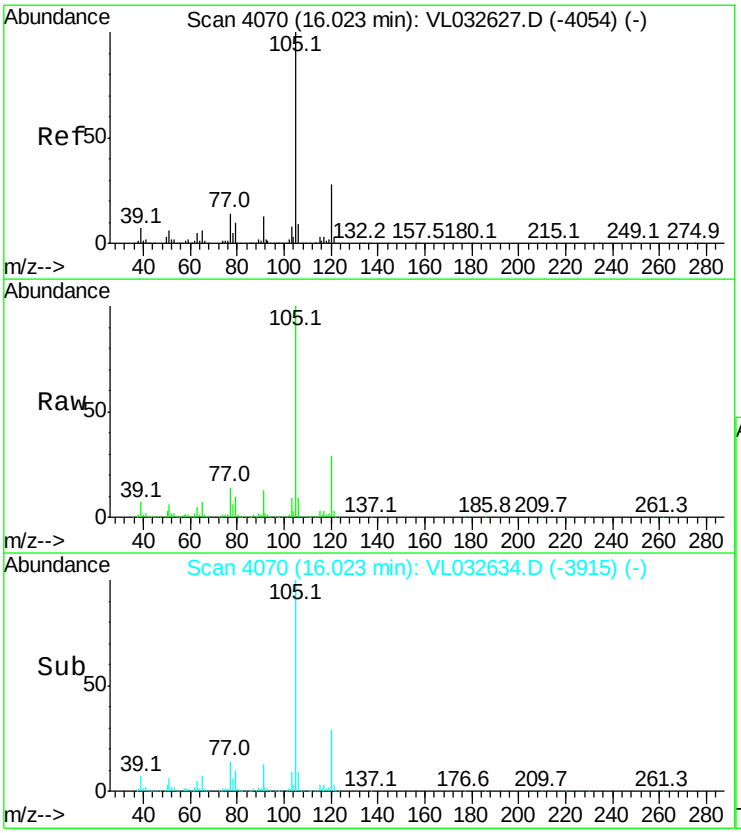
#71
2-Chlorotoluene
Concen: 11.445 ppbv
RT: 15.64 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion: 91 Resp: 3569363

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.8	47.4

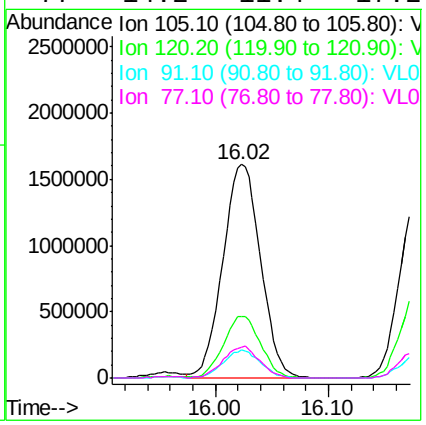


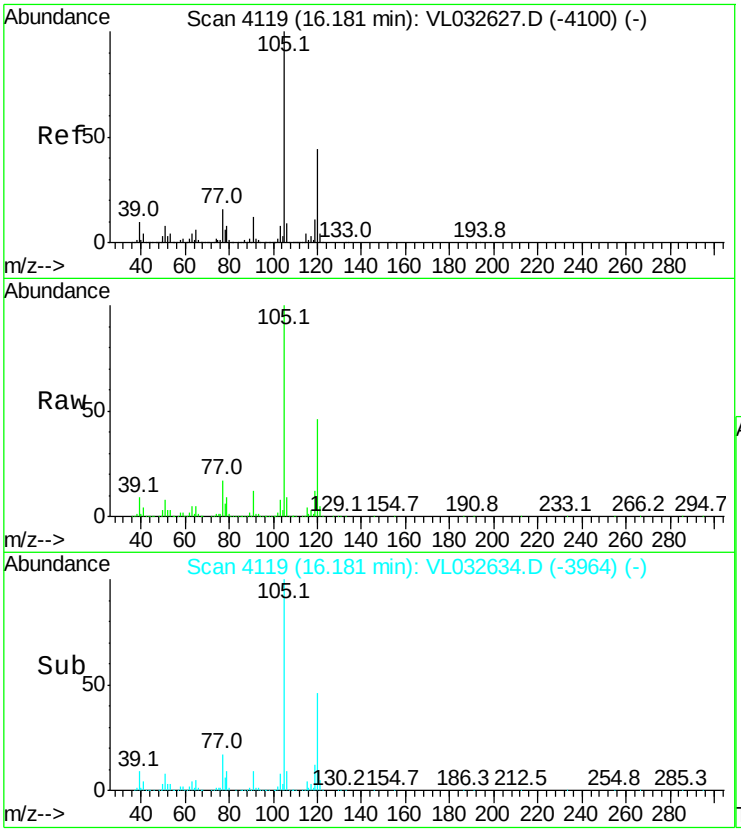


#72
4-Ethyltoluene
Concen: 11.637 ppbv
RT: 16.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 3725408

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.7	35.5
91	12.8	10.4	15.6
77	14.2	11.4	17.2



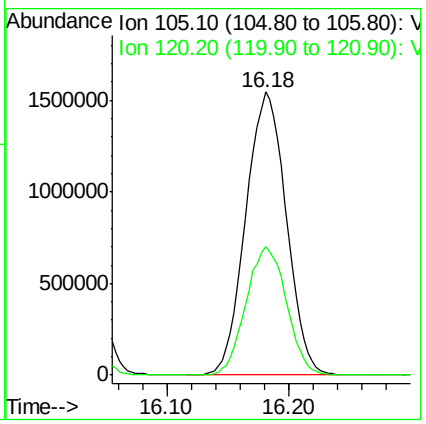


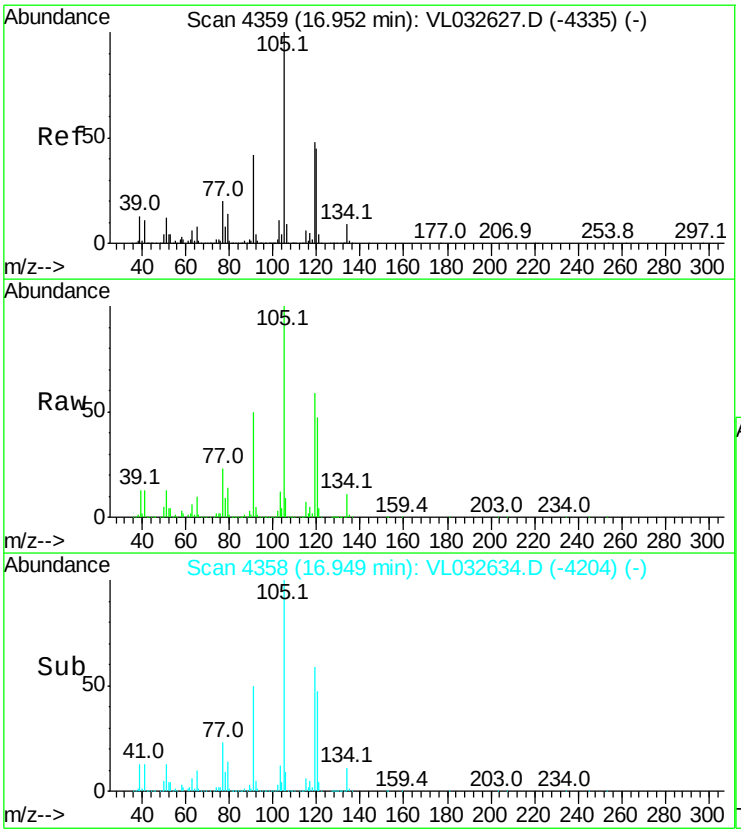
#73
1,3,5-Trimethylbenzene
Concen: 11.120 ppbv
RT: 16.18 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:105 Resp: 3540712

Ion	Ratio	Lower	Upper
105	100		
120	45.5	35.4	53.2

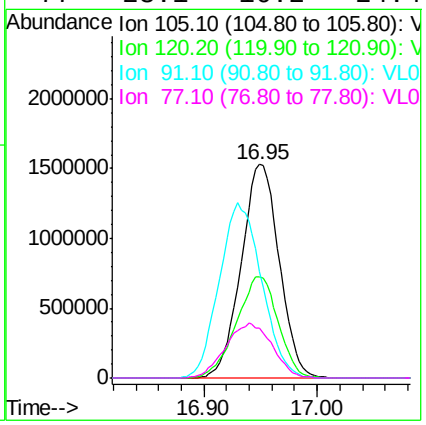


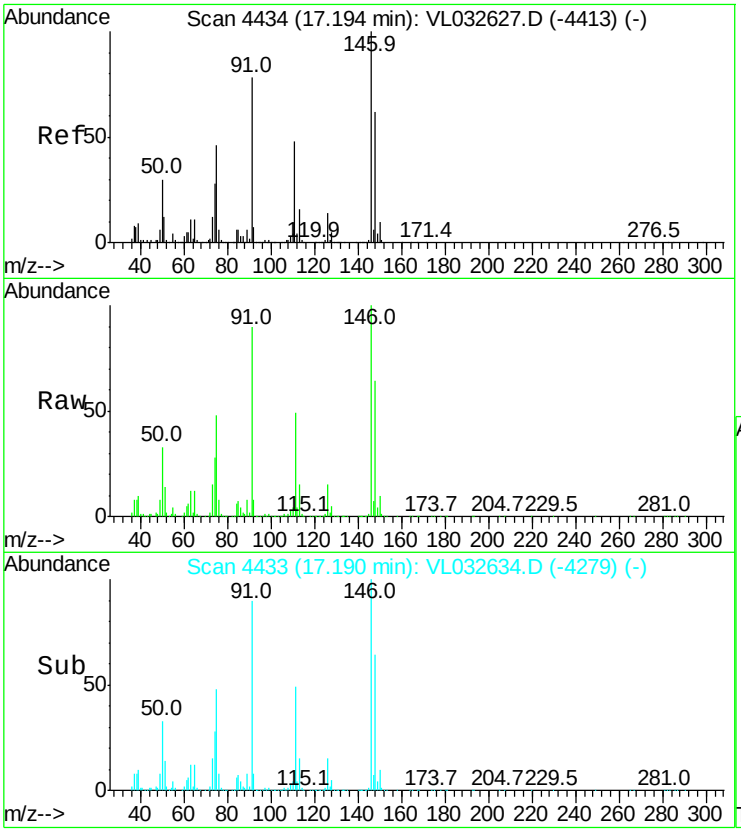


#74
1,2,4-Trimethylbenzene
Concen: 10.212 ppbv
RT: 16.95 min Scan# 4358
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:105 Resp: 3580097

Ion	Ratio	Lower	Upper
105	100		
120	47.0	35.8	53.8
91	49.6	33.2	49.8
77	23.1	16.2	24.4



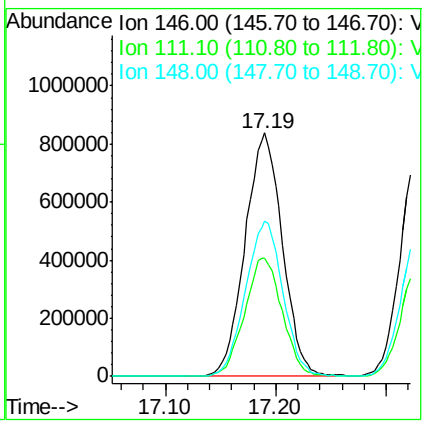


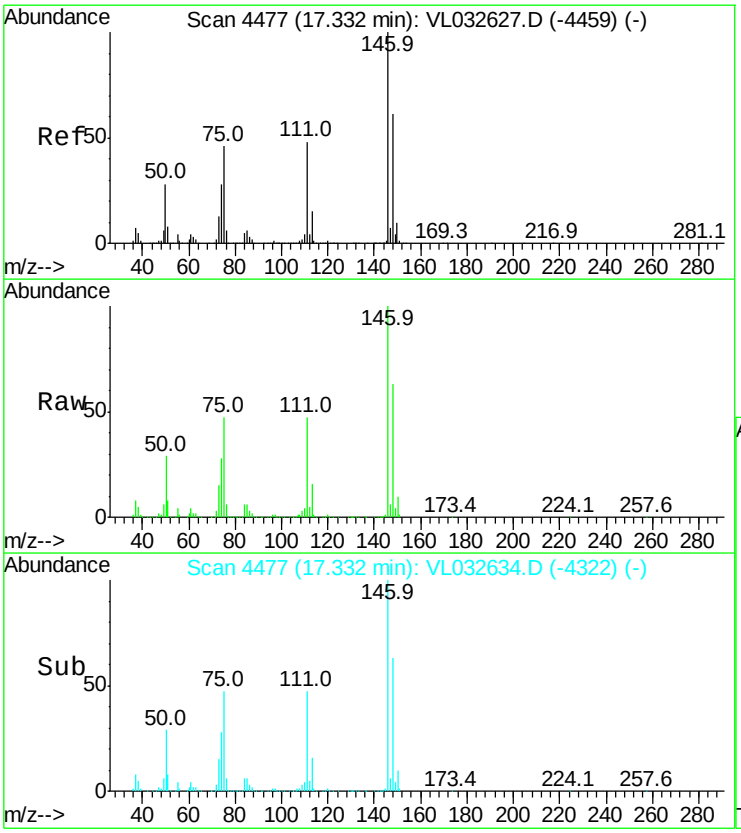
#75
1,3-Dichlorobenzene
Concen: 9.634 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:146 Resp: 1962981

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.4	73.2
148	64.1	31.9	95.9

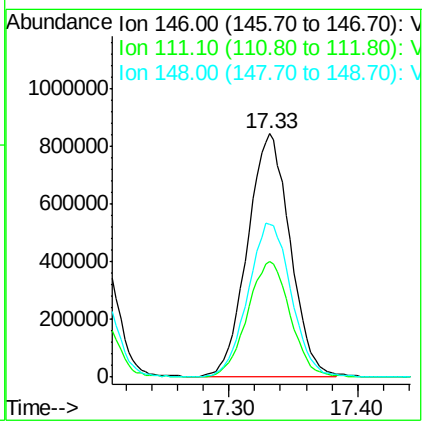


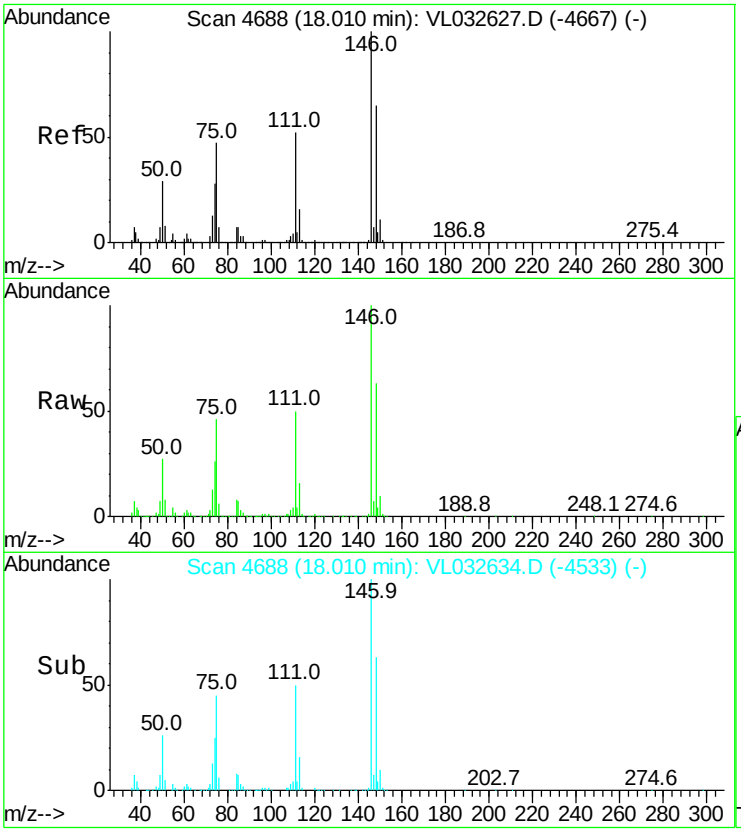


#76
1,4-Dichlorobenzene
Concen: 10.387 ppbv
RT: 17.33 min Scan# 4477
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:146 Resp: 1928383

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.7	71.1
148	64.9	32.1	96.3



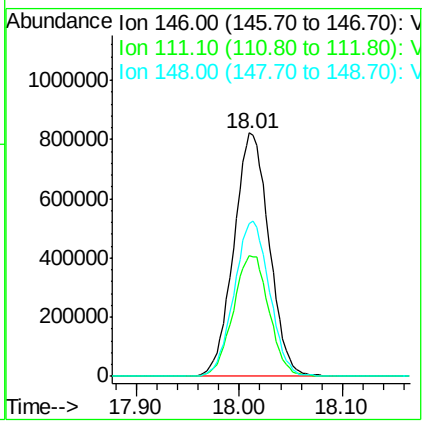


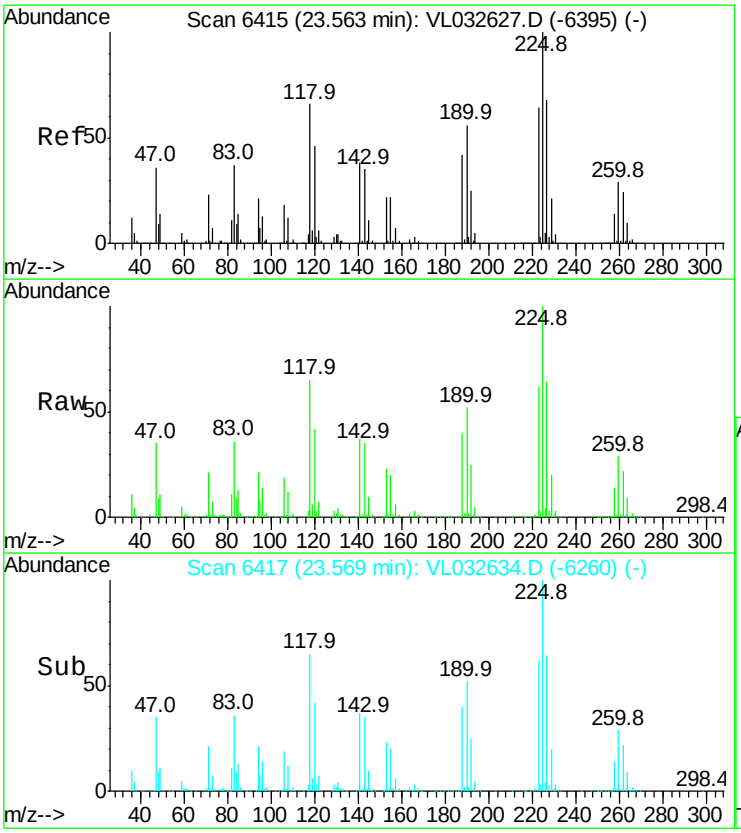
#77
1,2-Dichlorobenzene
Concen: 10.010 ppbv
RT: 18.01 min Scan# 4688
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:146 Resp: 1960654

Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.3	75.8
148	64.0	31.9	95.9

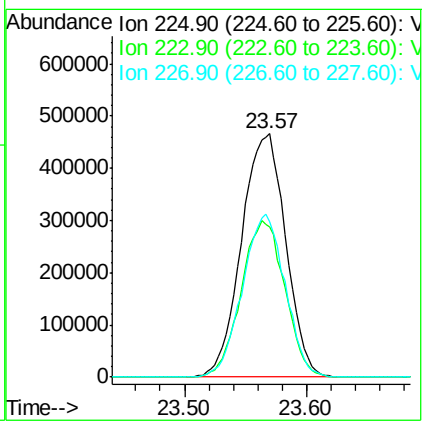


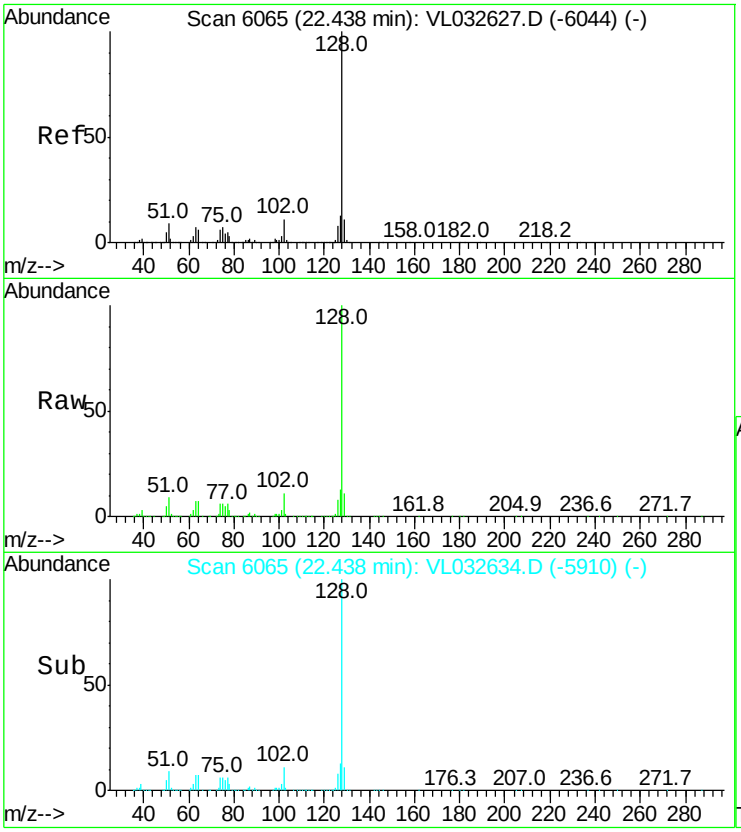


#78
Hexachloro-1,3-Butadiene
Concen: 10.642 ppbv
RT: 23.57 min Scan# 6417
Delta R.T. 0.01 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:225 Resp: 1166560

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.7	76.1
227	64.6	50.7	76.1



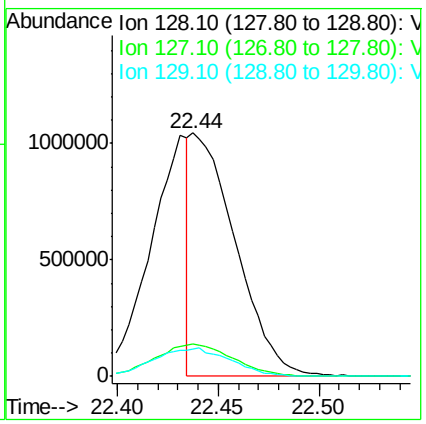


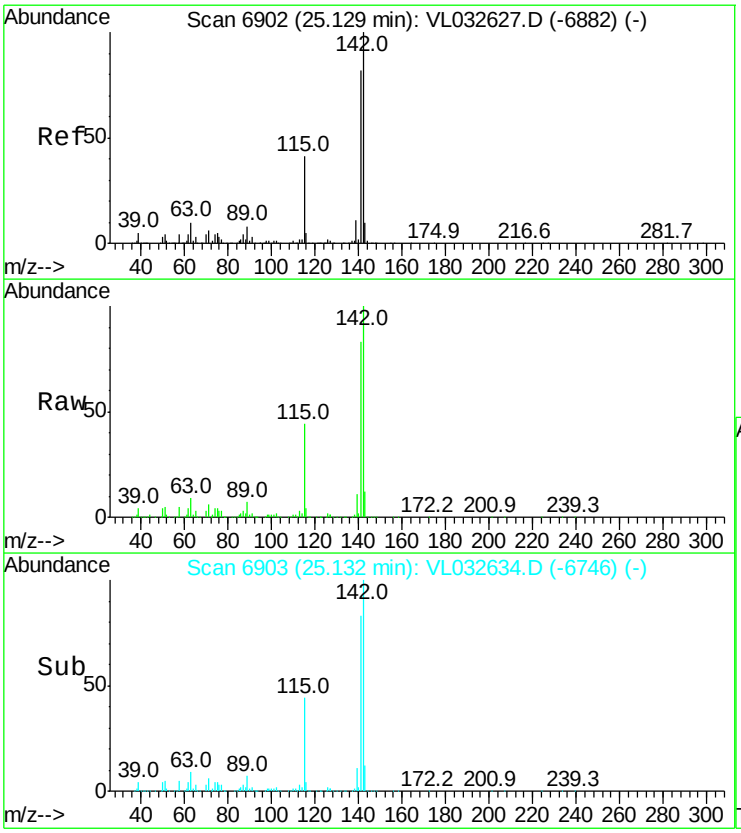
#79
Naphthalene
Concen: 6.646 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:128 Resp: 1584480

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.4	8.6	13.0

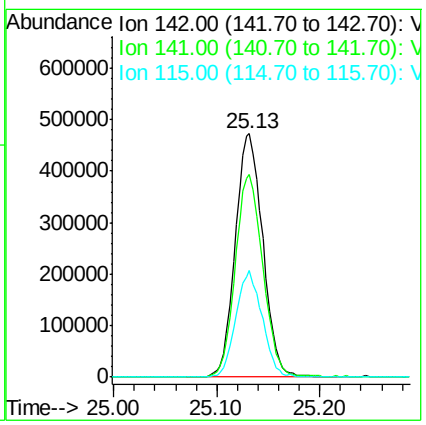


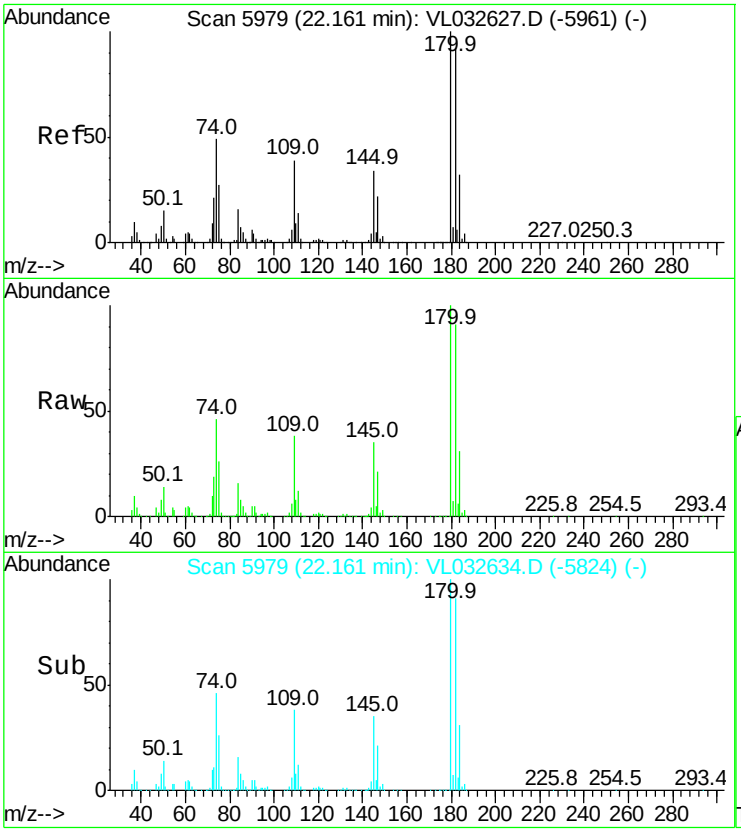


#80
Naphthalene,2-methyl-
Concen: 11.301 ppbv
RT: 25.13 min Scan# 6903
Delta R.T. 0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Tgt Ion:142 Resp: 879829

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.5	101.3
115	42.2	33.5	50.3





#81
1,2,4-Trichlorobenzene
Concen: 11.912 ppbv
RT: 22.16 min Scan# 5979
Delta R.T. -0.00 min
Lab File: VL032634.D
Acq: 17 Oct 2018 7:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL101718

Tgt Ion:180 Resp: 1409694

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	29.9	24.7	37.1