Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
Data File : VL032986.D
Acq On : 13 Dec 2018 16:26
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 01:08:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1257966	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3313645	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3993766	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2507934	8.50	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 85.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1740514	10.364	ppbv		99
3) Chlorodifluoromethane	3.01	51	948660	9.958	ppbv		99
4) Chloromethane	3.17	50	509028	9.177	ppbv		97
5) Vinyl Chloride	3.29	62	529905	9.390	ppbv		98
6) Bromomethane	3.51	94	360784	10.221	ppbv		98
7) Chloroethane	3.60	64	204434	10.107	ppbv		99
8) Dichlorotetrafluoroethane	3.22	85	1358141	9.732	ppbv		99
9) Propene	3.04	41	377054	10.009	ppbv		97
10) Heptane	8.25	43	1339375	9.465	ppbv		100
11) Trichlorofluoromethane	4.00	101	1569247	9.918	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1531452	11.345	ppbv		98
13) Ethanol	3.65	45	89125	6.871	ppbv		96
14) Bromoethene	3.79	108	468532	10.454	ppbv		98
15) Acetone	3.90	43	969586	8.980	ppbv		100
16) 1,3-Butadiene	3.36	39	489024	11.416	ppbv		96
17) tert-Butyl alcohol	4.36	59	312455	11.366	ppbv	#	81
18) 1,1-Dichloroethene	4.35	96	587875	11.120	ppbv		99
19) Isopropyl Alcohol	4.02	45	667437	9.843	ppbv		99
20) Methylene Chloride	4.41	84	571435	10.828	ppbv		97
21) Allyl Chloride	4.48	41	1098620	12.485	ppbv		100
22) trans-1,2-Dichloroethene	4.97	96	625964	9.540	ppbv		99
23) Vinyl Acetate	5.16	43	2250418	12.310	ppbv		100
24) 1,1-Dichloroethane	5.09	63	1707028	10.738	ppbv		99
25) Ethyl Acetate	5.77	43	2472459	9.693	ppbv		100
26) Hexane	5.78	57	1132759	9.619	ppbv		98
27) Carbon Disulfide	4.62	76	1470340	9.986	ppbv		99
28) Methyl tert-Butyl Ether	5.12	73	2130284	12.045	ppbv		100
29) Chloroform	5.85	83	1925518	9.164	ppbv		100
30) Cyclohexane	7.25	84	1046176	10.719	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	1132199	10.477	ppbv		97
32) 1,1,1-Trichloroethane	6.62	97	2206521	9.925	ppbv		100
34) 2-Butanone	5.33	43	1617228	11.205	ppbv		98
35) Carbon Tetrachloride	7.14	117	2288201	8.785	ppbv		100
36) Benzene	7.01	78	2199066	9.023	ppbv		98
37) 1,2-Dichloroethane	6.42	62	1650569	9.947	ppbv		100
38) Trichloroethene	7.97	130	1045096	10.304	ppbv		97
39) 1,2-Dichloropropane	7.74	63	822114	8.894	ppbv		95
40) 1,4-Dioxane	7.96	88	324141	9.521	ppbv	#	98
41) Tetrahydrofuran	6.15	42	966012	10.761	ppbv		99
42) Bromodichloromethane	7.92	83	2280361	9.919	ppbv		99
43) Methyl Methacrylate	8.14	69	896496	9.927	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
Data File : VL032986.D
Acq On : 13 Dec 2018 16:26
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 01:08:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4195389	10.141	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1398922	12.633	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1588672	11.722	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	1055171	10.371	ppbv		98
48) Dibromochloromethane	10.46	129	1993461	10.445	ppbv		99
49) Bromoform	13.21	173	1682782	10.720	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	2406615	10.427	ppbv		100
51) 2-Hexanone	10.27	43	784920	5.014	ppbv	#	6
52) Tetrachloroethene	11.38	164	981495	11.071	ppbv		99
53) Toluene	9.95	91	2952826	11.423	ppbv		100
54) 1,2-Dibromoethane	10.77	107	1655108	10.414	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1399413	7.860	ppbv		96
57) Chlorobenzene	12.31	112	2272949	7.880	ppbv		98
58) Ethyl Benzene	12.87	91	3989615	9.364	ppbv		99
59) m/p-Xylene	13.15	91	3303726	8.553	ppbv	#	100
60) o-Xylene	13.86	91	3347582	8.582	ppbv		100
61) Styrene	13.69	104	2438354	9.397	ppbv		100
62) Isopropylbenzene	14.83	105	4992700	9.174	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2323232	7.670	ppbv		99
64) n-propylbenzene	15.73	120	1213506	8.585	ppbv		99
65) tert-Butylbenzene	16.92	119	4245305	8.414	ppbv		99
66) Benzyl Chloride	17.16	91	2603257	9.309	ppbv		100
67) sec-Butylbenzene	17.47	105	5974721	8.032	ppbv		100
69) p-Isopropyltoluene	17.82	119	5013032	8.316	ppbv		99
70) n-Butylbenzene	18.72	91	5287405	9.533	ppbv		99
71) 2-Chlorotoluene	15.62	91	3558338	8.792	ppbv		99
72) 4-Ethyltoluene	16.00	105	3839152	8.816	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3798227	8.934	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	3865964	8.053	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	2165465	7.660	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	2113476	8.012	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	2206347	8.358	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	956791	6.590	ppbv		99
79) Naphthalene	22.42	128	3008817	9.707	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	638918	9.647	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1446835	8.801	ppbv		100

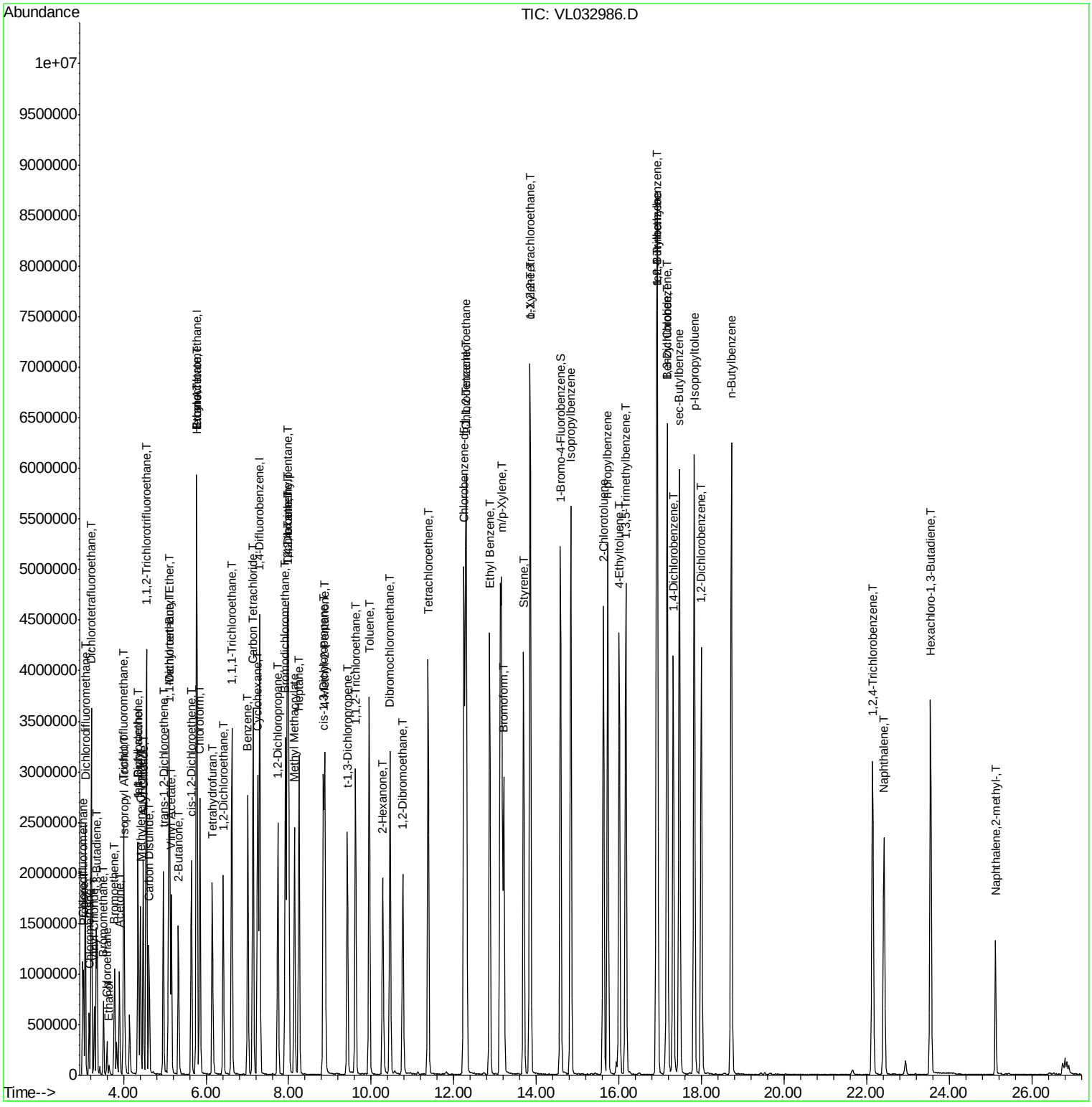
(#) = qualifier out of range (m) = manual integration (+) = signals summed

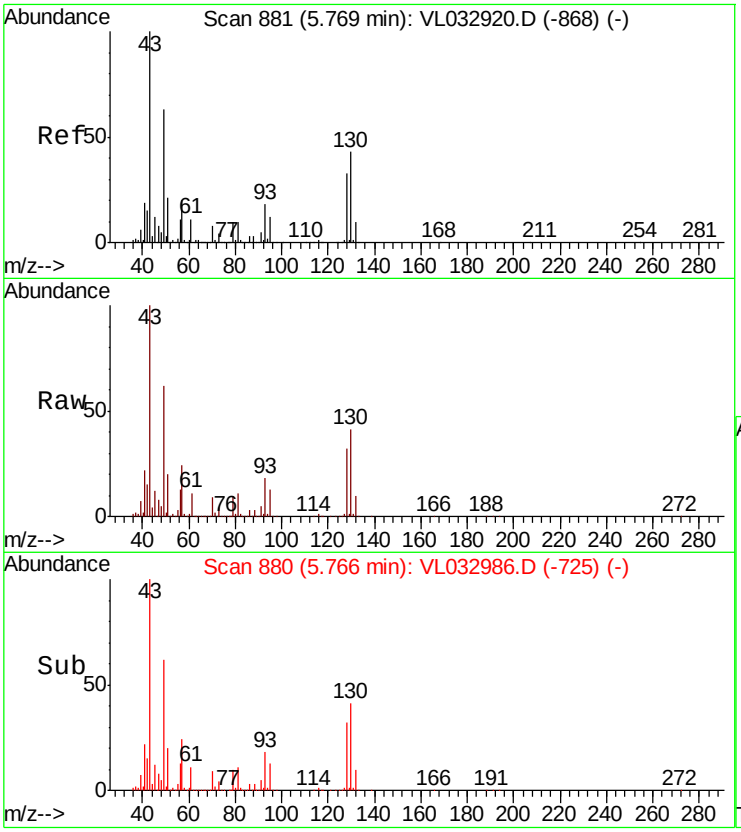
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121318\
Data File : VL032986.D
Acq On : 13 Dec 2018 16:26
Operator : SY/AP
Sample : VL1213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Quant Time: Dec 14 01:08:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



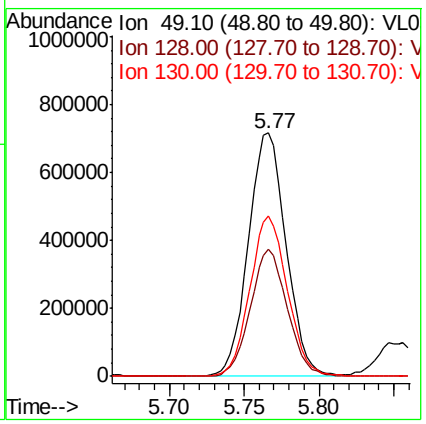


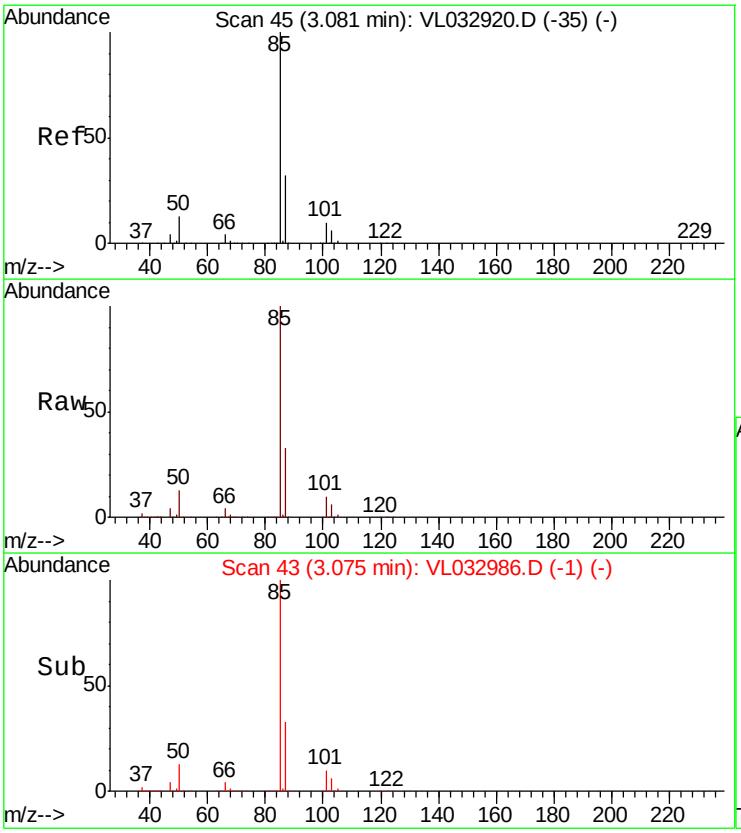
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 49 Resp: 1257966

Ion	Ratio	Lower	Upper
49	100		
128	51.1	26.3	78.8
130	65.5	33.9	101.7

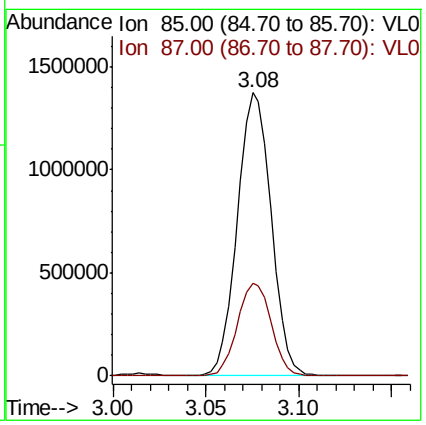


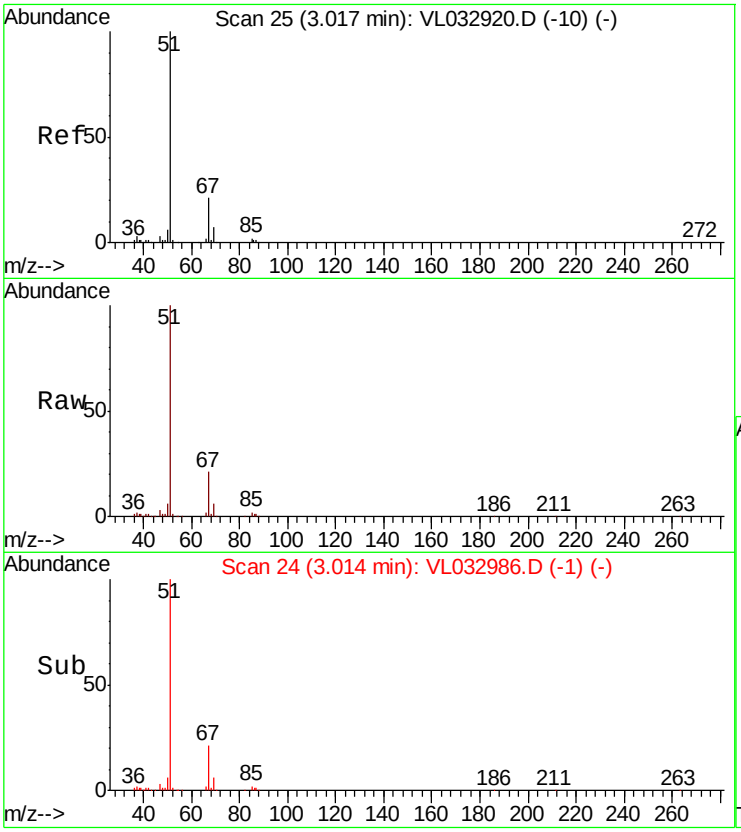


#2
Dichlorodifluoromethane
Concen: 10.364 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 85 Resp: 1740514

Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.7	38.5



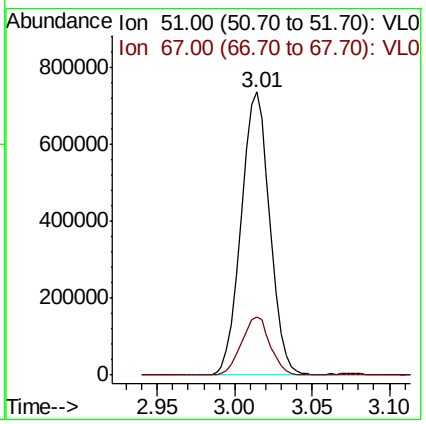


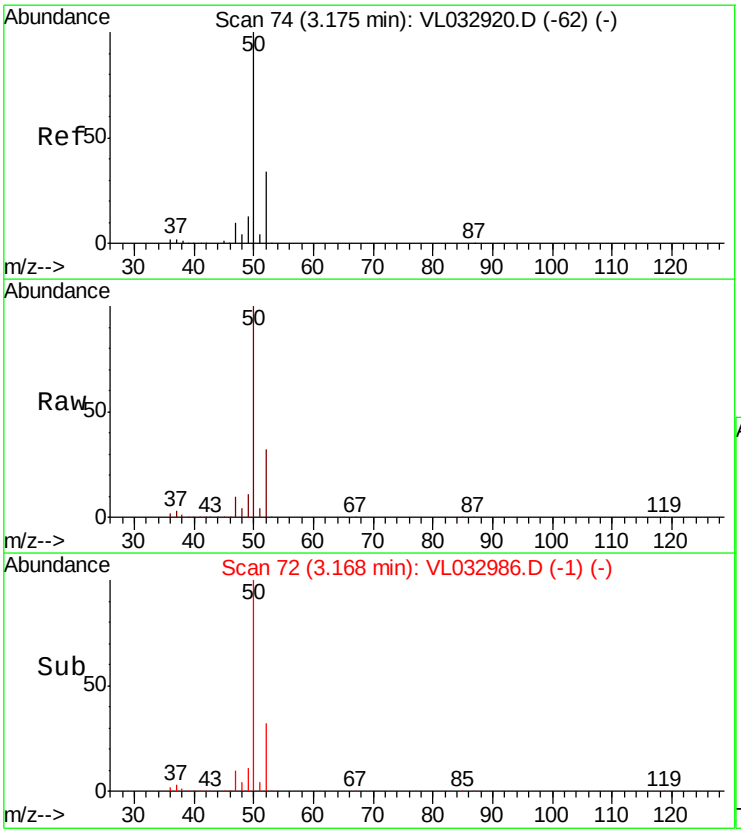
#3
Chlorodifluoromethane
Concen: 9.958 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 51 Resp: 948660

Ion	Ratio	Lower	Upper
51	100		
67	20.6	16.8	25.2

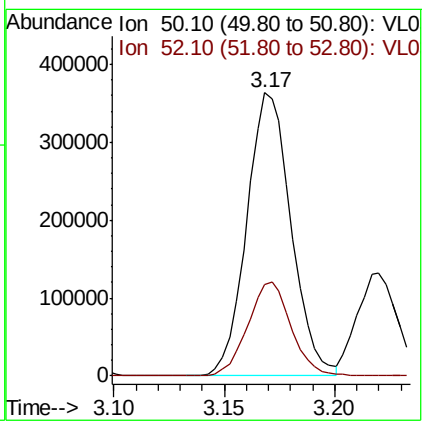


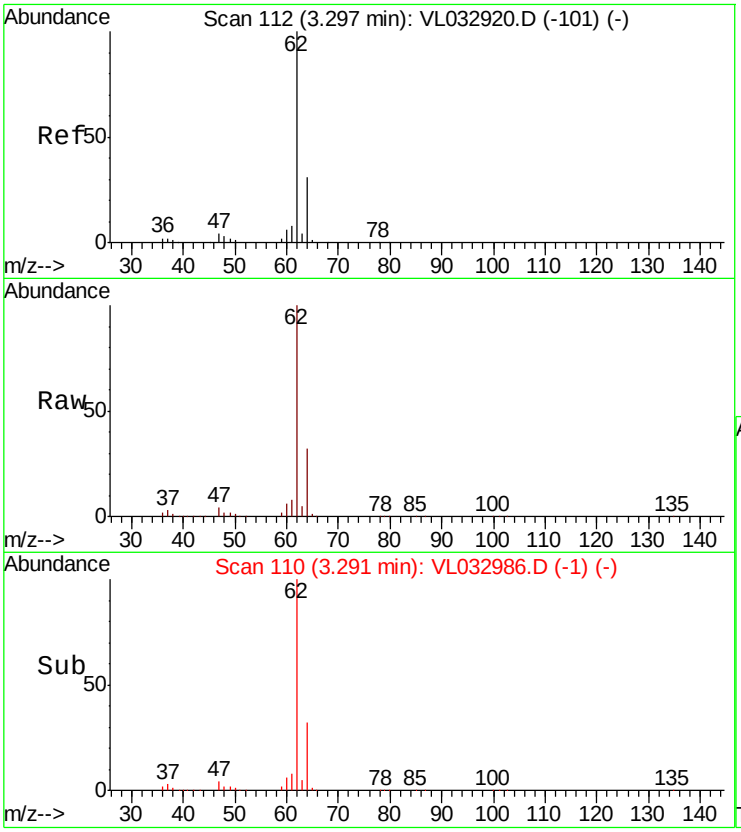


#4
Chloromethane
Concen: 9.177 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 50 Resp: 509028

Ion	Ratio	Lower	Upper
50	100		
52	32.5	27.3	40.9



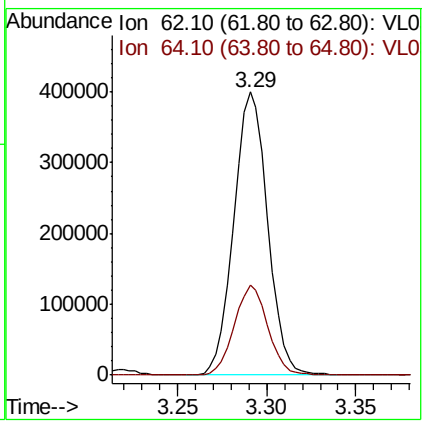


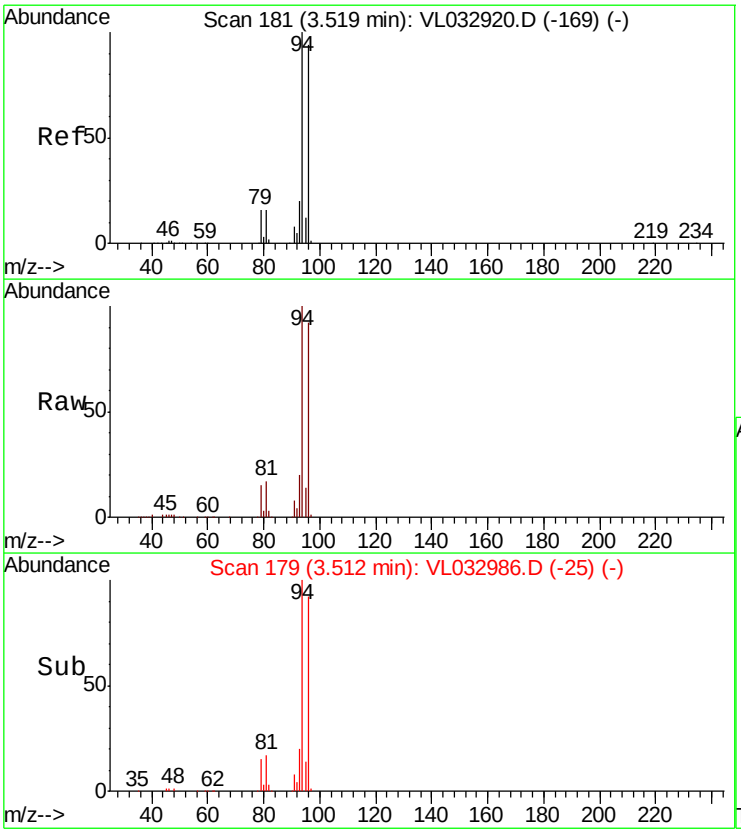
#5
Vinyl Chloride
Concen: 9.390 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 62 Resp: 529905

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.8	37.2

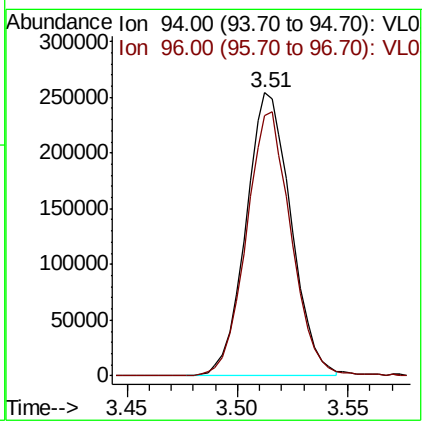


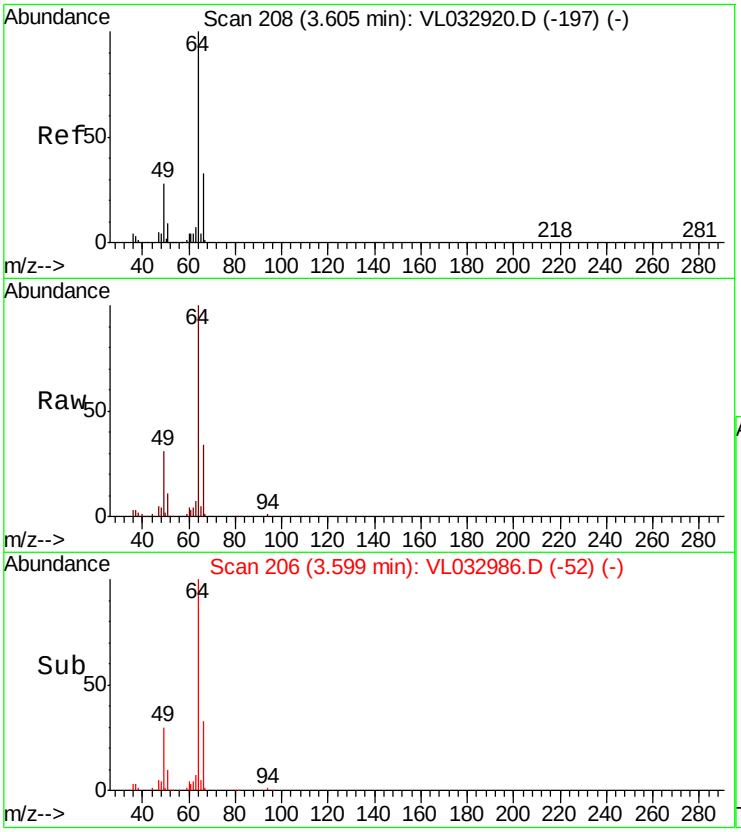


#6
Bromomethane
Concen: 10.221 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 94 Resp: 360784

Ion	Ratio	Lower	Upper
94	100		
96	92.0	75.5	113.3



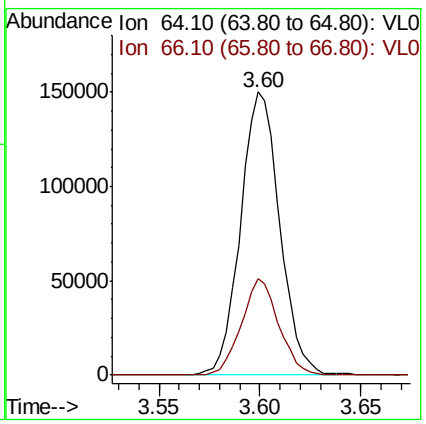


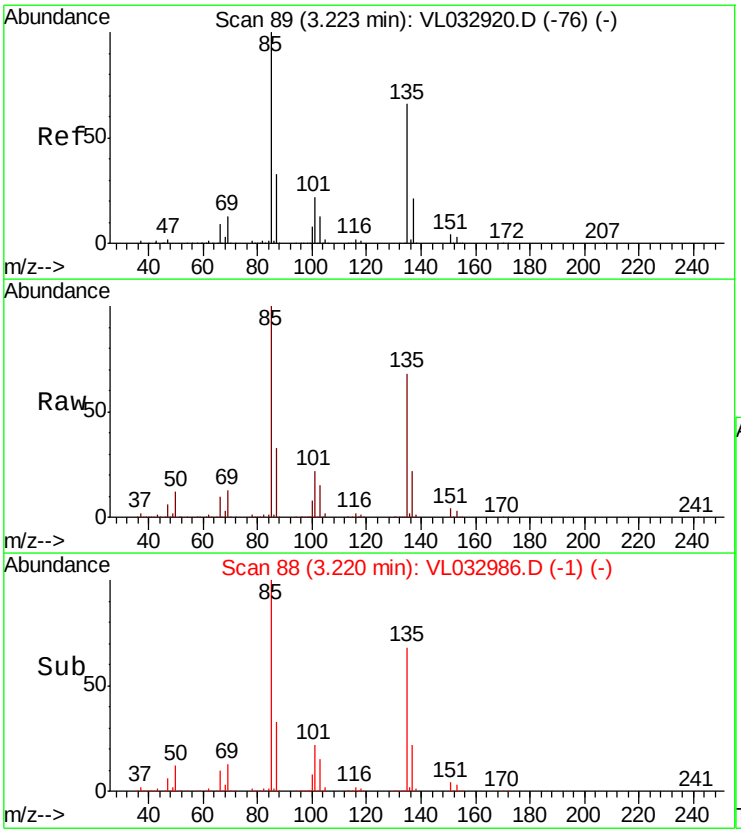
#7
Chloroethane
Concen: 10.107 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 64 Resp: 204434

Ion	Ratio	Lower	Upper
64	100		
66	33.9	26.6	40.0

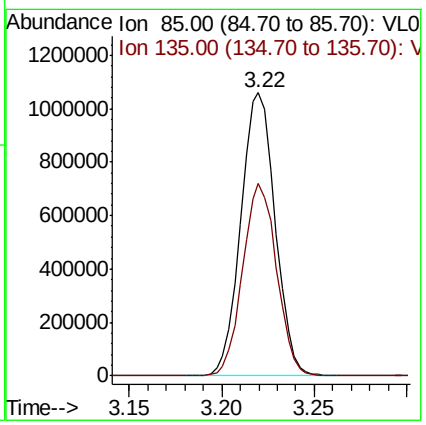


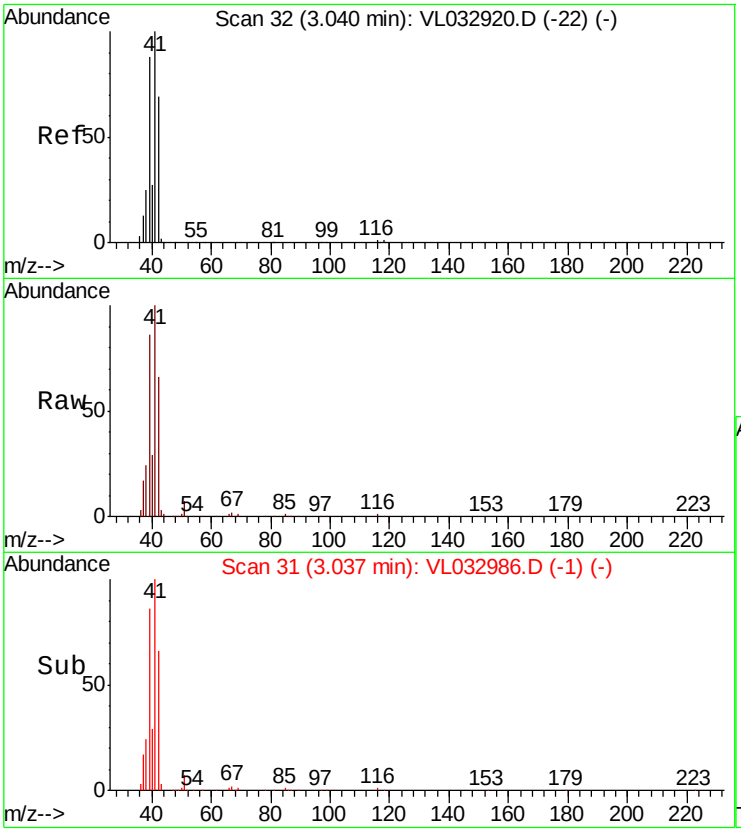


#8
Dichlorotetrafluoroethane
Concen: 9.732 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 85 Resp: 1358141

Ion	Ratio	Lower	Upper
85	100		
135	67.6	54.5	81.7



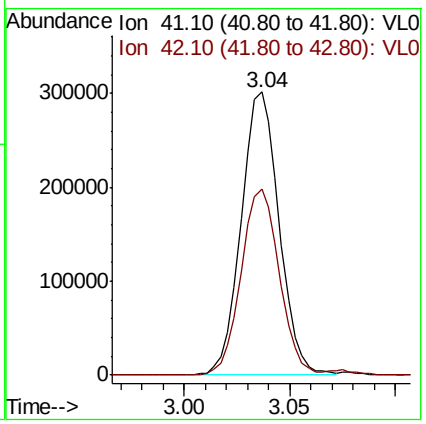


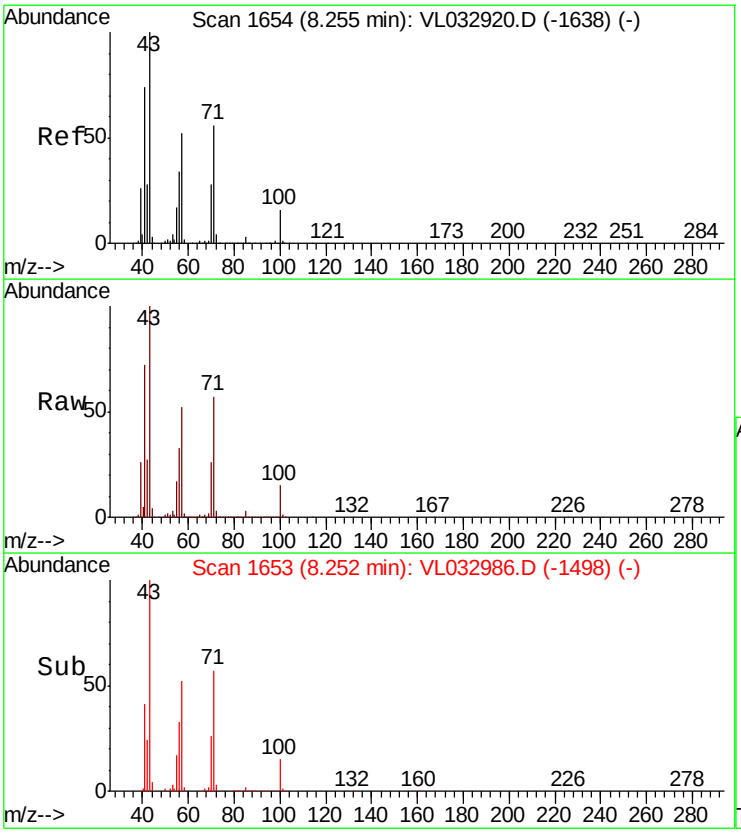
#9
Propene
Concen: 10.009 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 41 Resp: 377054

Ion	Ratio	Lower	Upper
41	100		
42	68.0	56.2	84.2

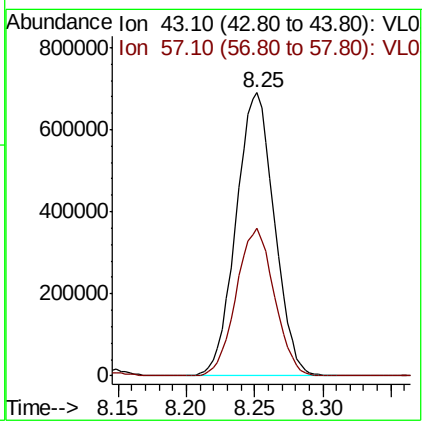


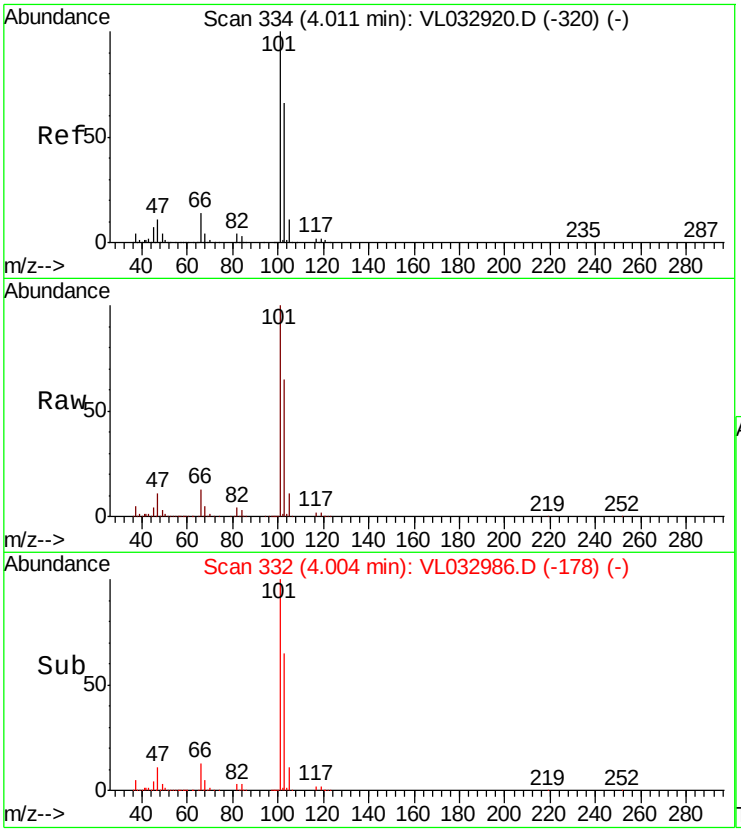


#10
Heptane
Concen: 9.465 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 43 Resp: 1339375

Ion	Ratio	Lower	Upper
43	100		
57	52.1	41.8	62.6



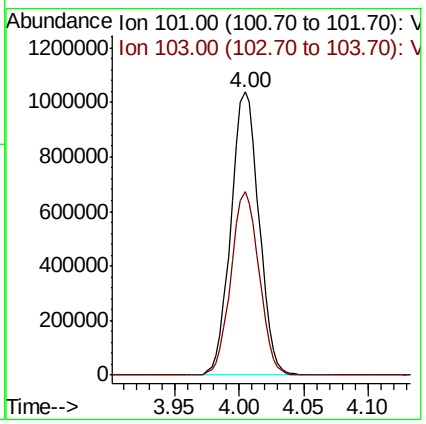


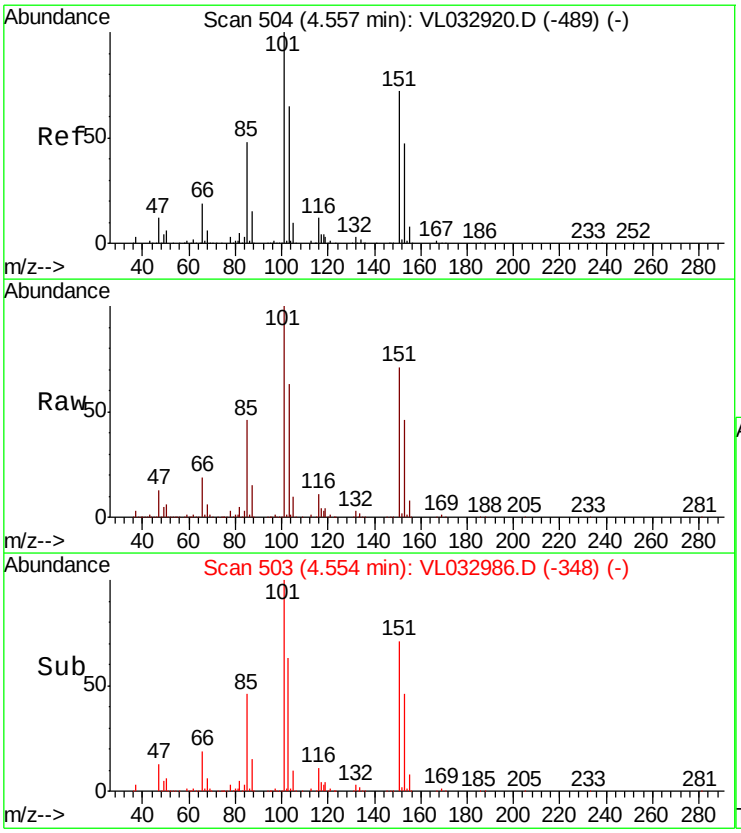
#11
Trichlorofluoromethane
Concen: 9.918 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:101 Resp: 1569247

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.7	79.1

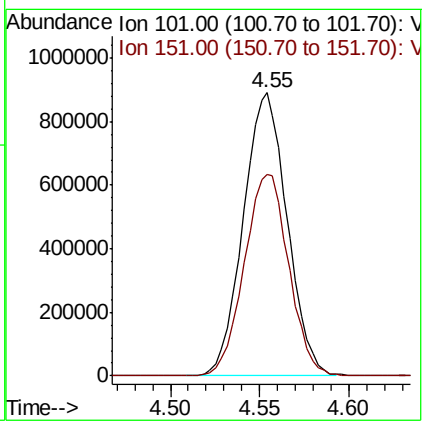


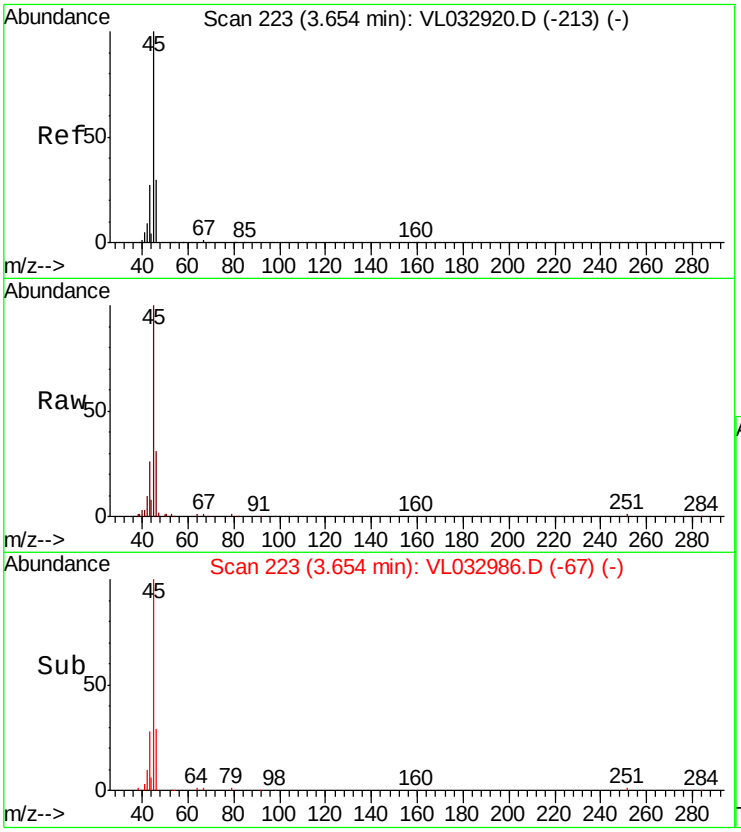


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.345 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:101 Resp: 1531452

Ion	Ratio	Lower	Upper
101	100		
151	72.3	59.3	88.9



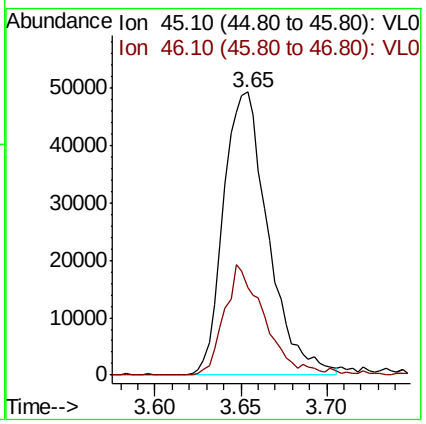


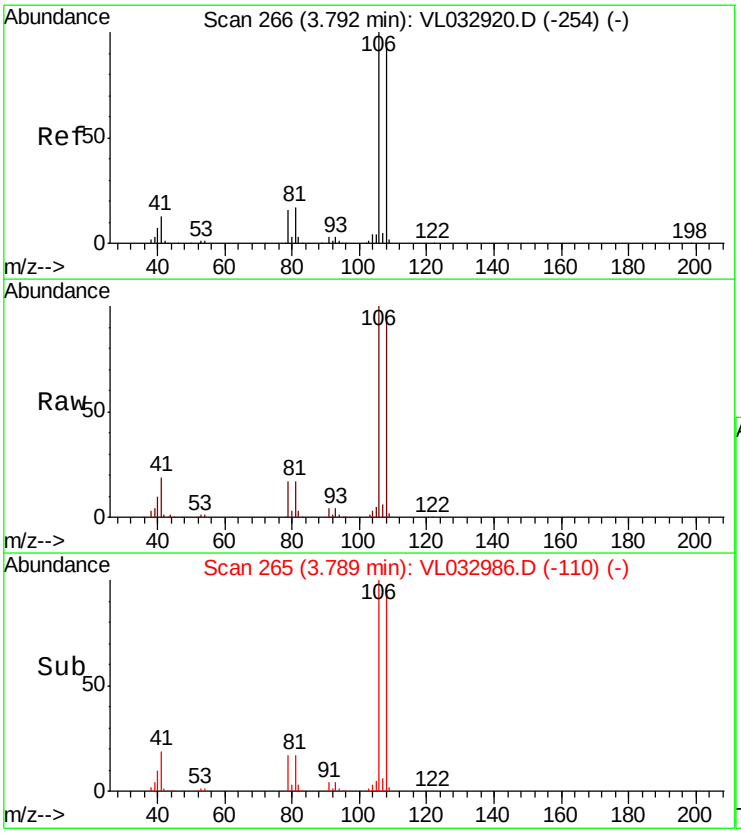
#13
Ethanol
Concen: 6.871 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 45 Resp: 89125

Ion	Ratio	Lower	Upper
45	100		
46	36.8	13.8	55.4

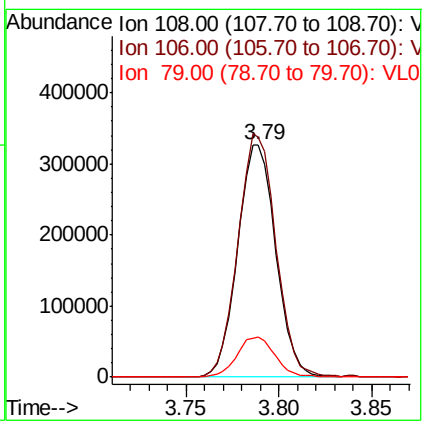


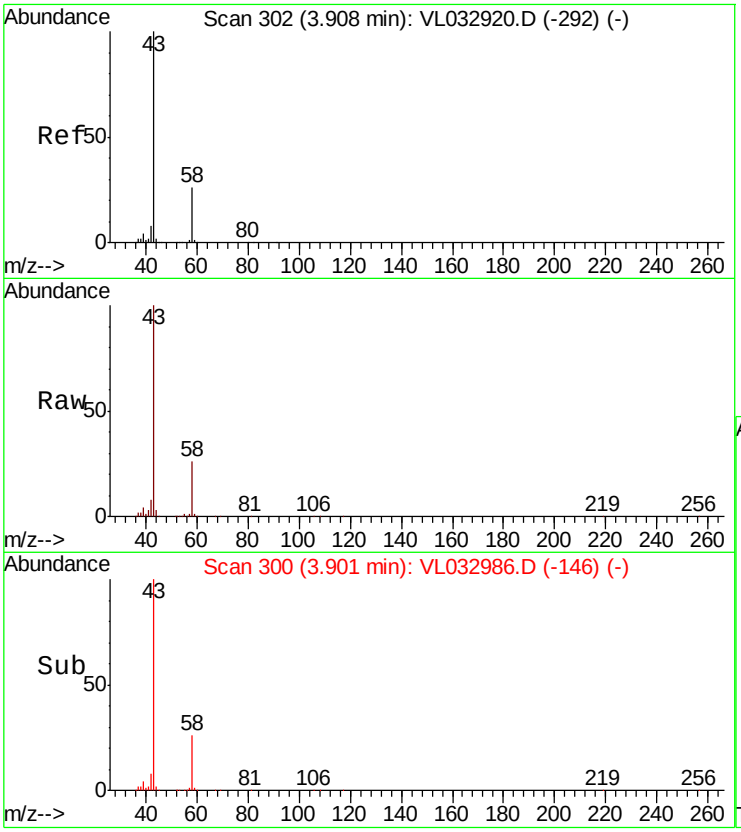


#14
Bromoethene
Concen: 10.454 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:108 Resp: 468532

Ion	Ratio	Lower	Upper
108	100		
106	105.1	85.4	128.2
79	17.6	14.6	21.8



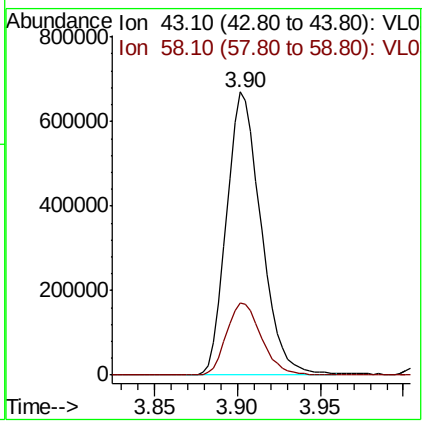


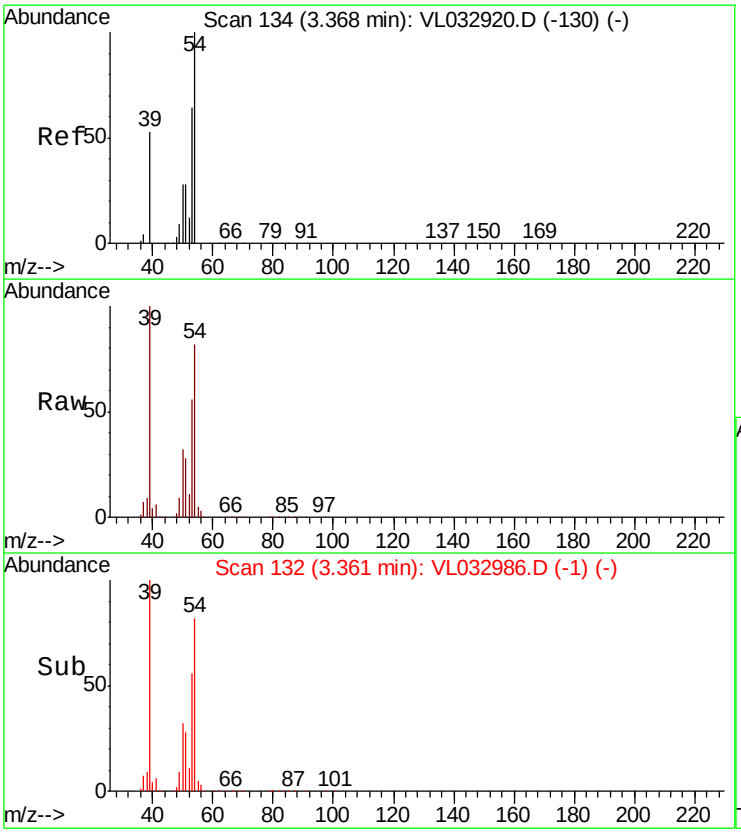
#15
Acetone
Concen: 8.980 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 969586

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.6	30.8

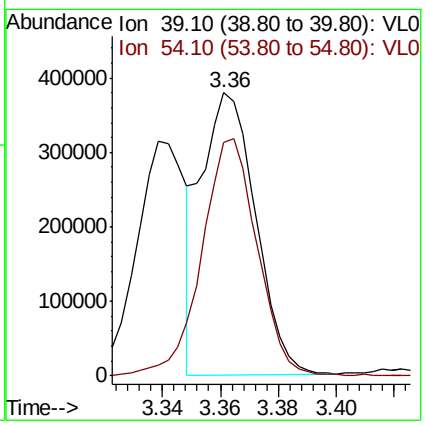


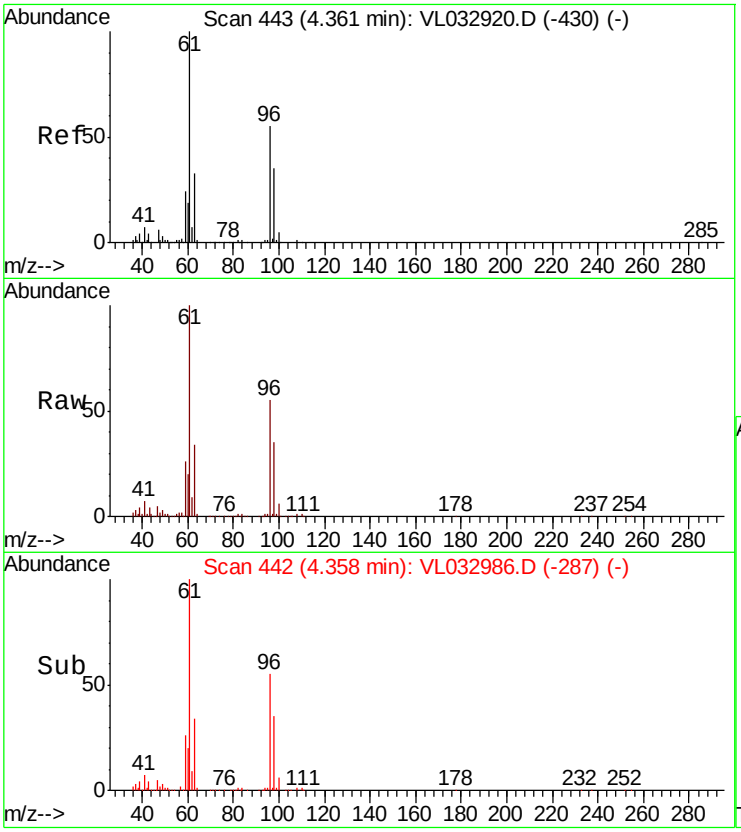


#16
1,3-Butadiene
Concen: 11.416 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 39 Resp: 489024

Ion	Ratio	Lower	Upper
39	100		
54	86.9	72.7	109.1



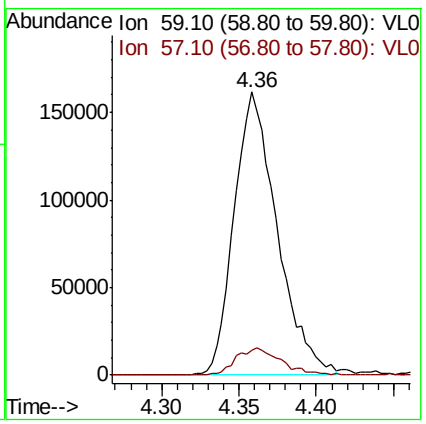


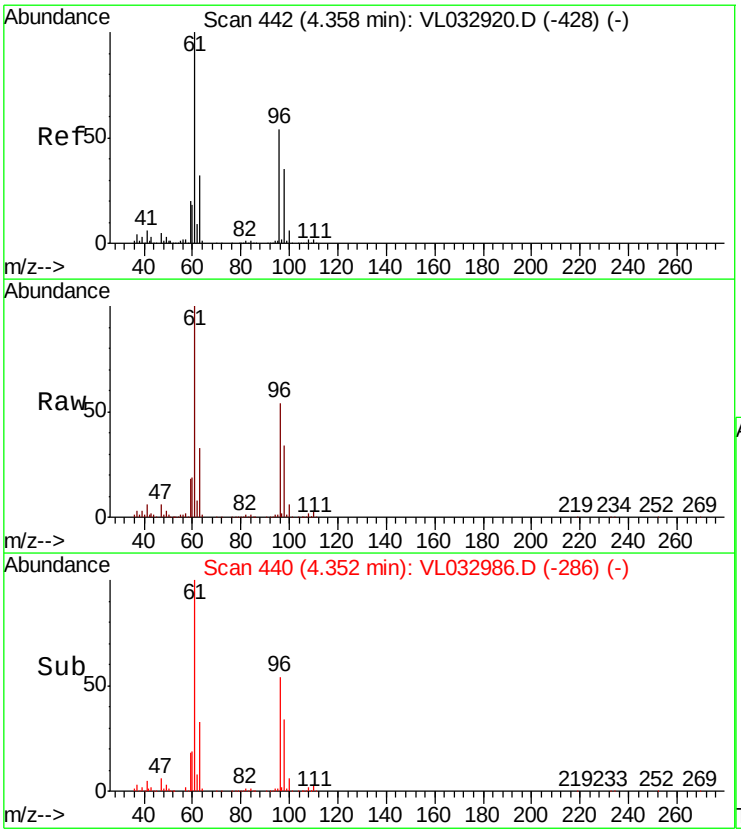
#17
tert-Butyl alcohol
Concen: 11.366 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 59 Resp: 312455

Ion	Ratio	Lower	Upper
59	100		
57	10.1	0.6	1.0#

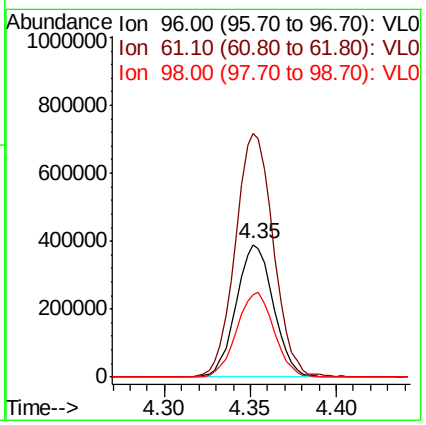


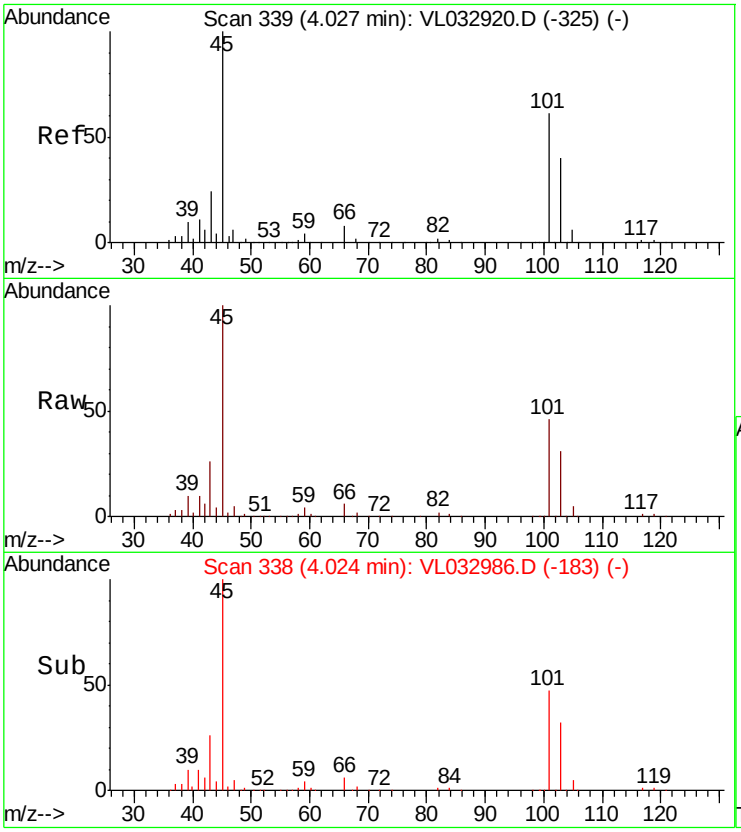


#18
1,1-Dichloroethene
Concen: 11.120 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 96 Resp: 587875

Ion	Ratio	Lower	Upper
96	100		
61	183.8	147.0	220.4
98	61.8	50.7	76.1



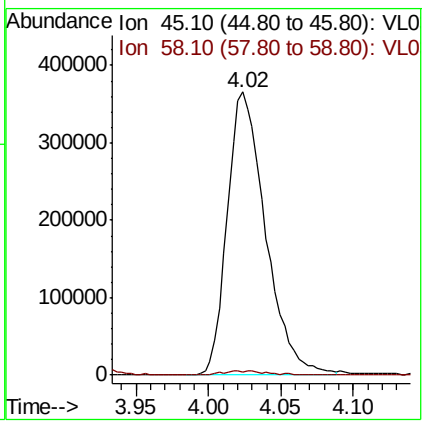


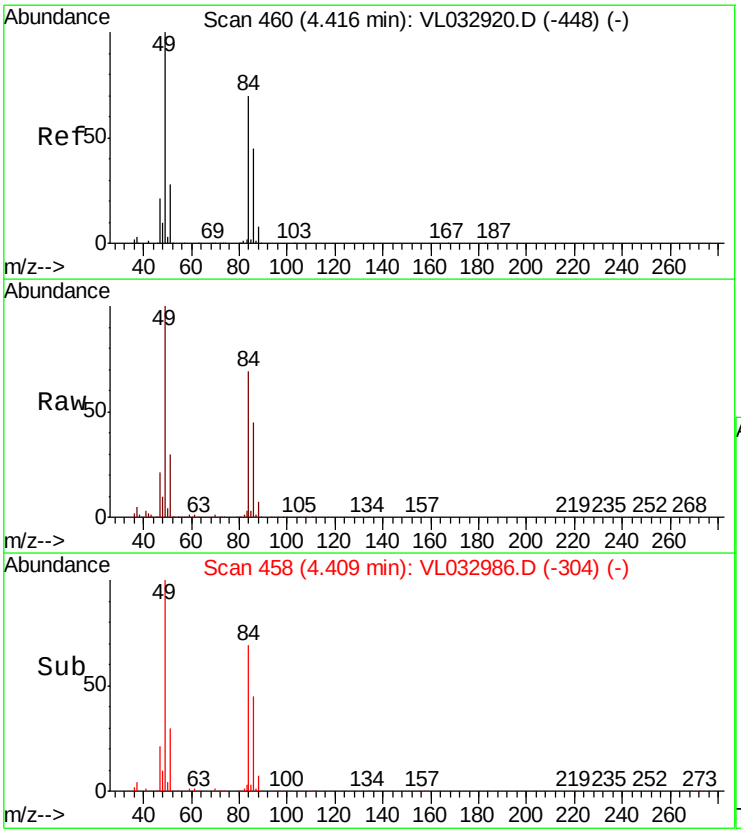
#19
Isopropyl Alcohol
Concen: 9.843 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 45 Resp: 667437

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.2

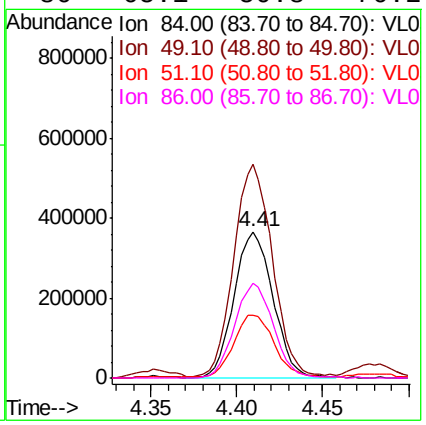


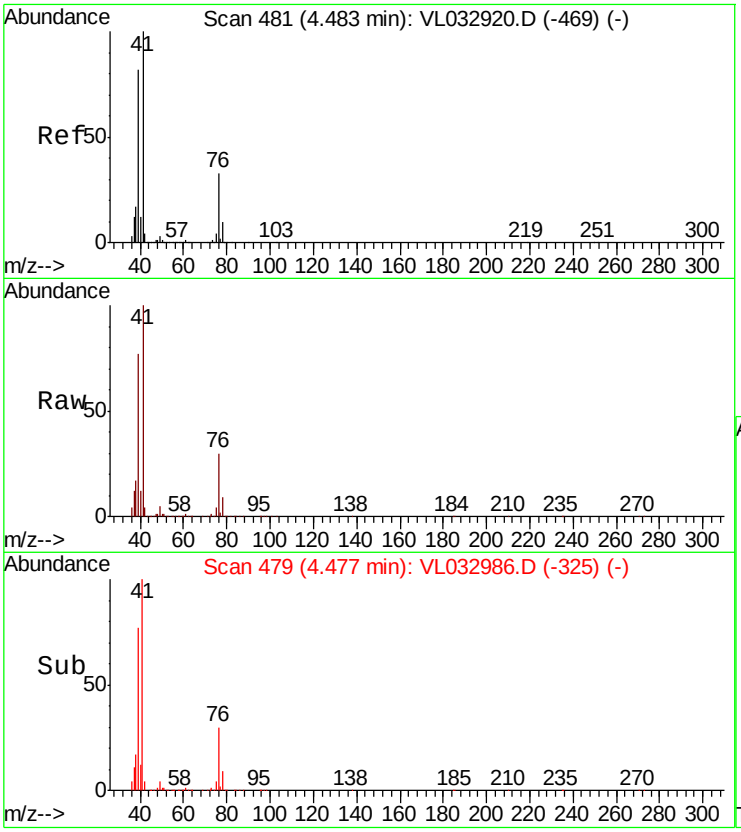


#20
Methylene Chloride
Concen: 10.828 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 84 Resp: 571435

Ion	Ratio	Lower	Upper
84	100		
49	145.0	113.8	170.8
51	42.8	31.8	47.8
86	65.1	50.8	76.2



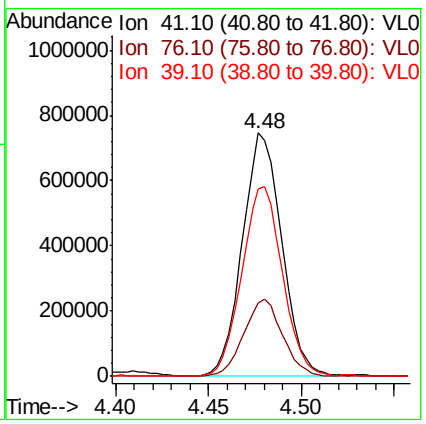


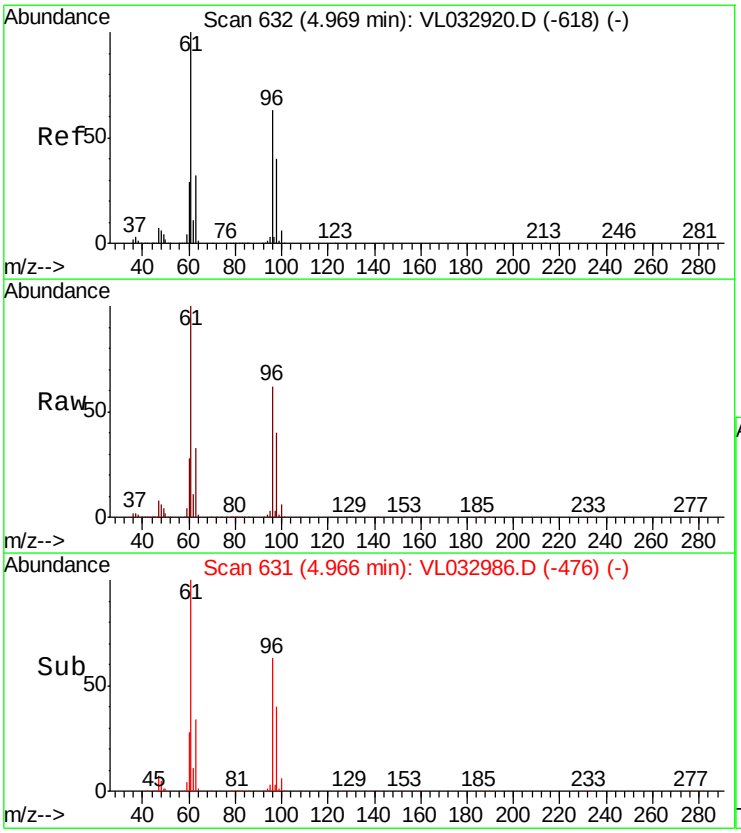
#21
Allyl Chloride
Concen: 12.485 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 41 Resp: 1098620

Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.2	37.8
39	81.0	65.2	97.8

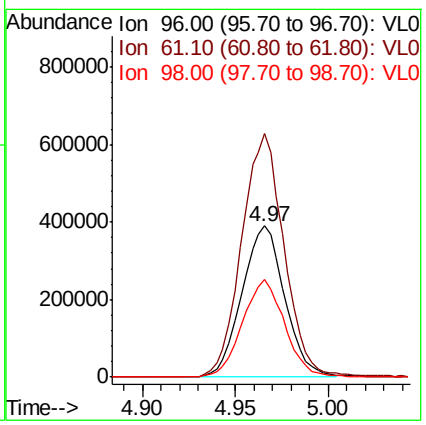


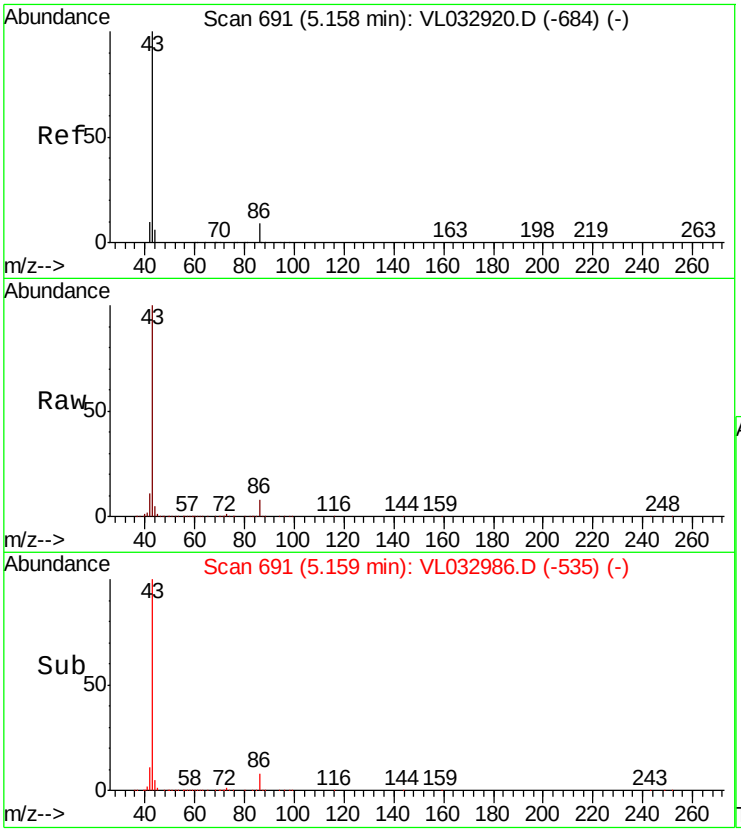


#22
trans-1,2-Dichloroethene
Concen: 9.540 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 96 Resp: 625964

Ion	Ratio	Lower	Upper
96	100		
61	161.0	127.1	190.7
98	64.4	51.3	76.9



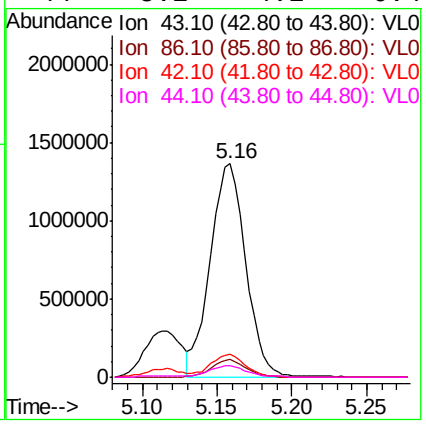


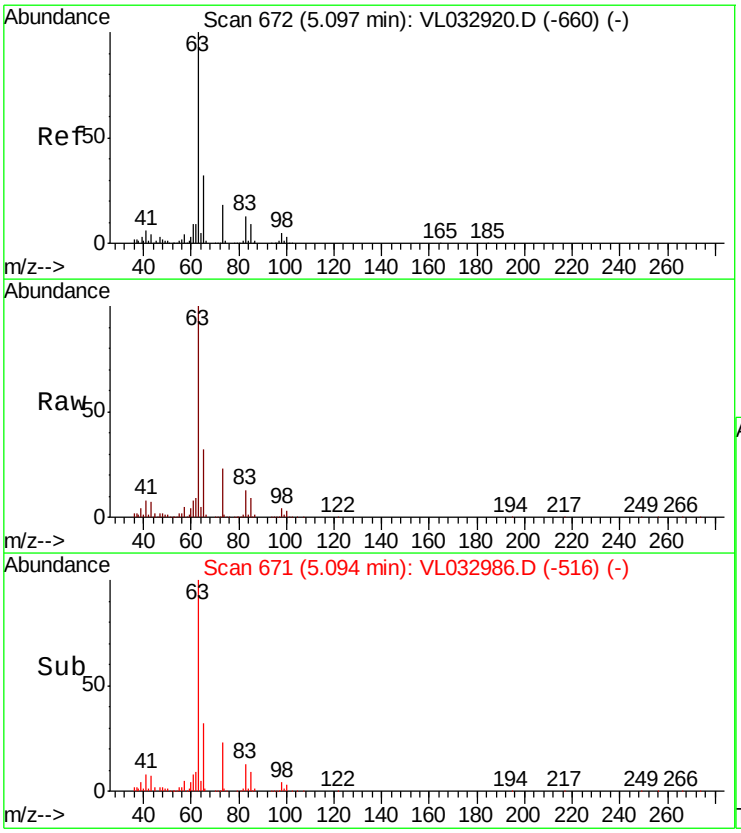
#23
Vinyl Acetate
Concen: 12.310 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 2250418

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8
42	10.6	8.3	12.5
44	5.2	4.2	6.4

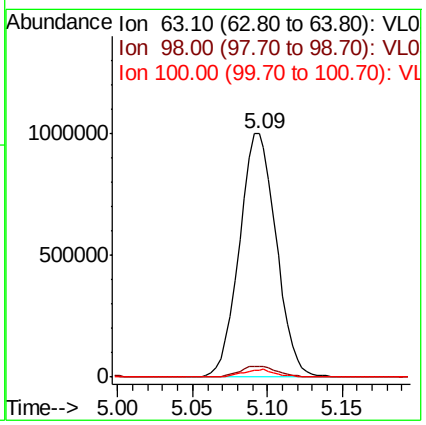


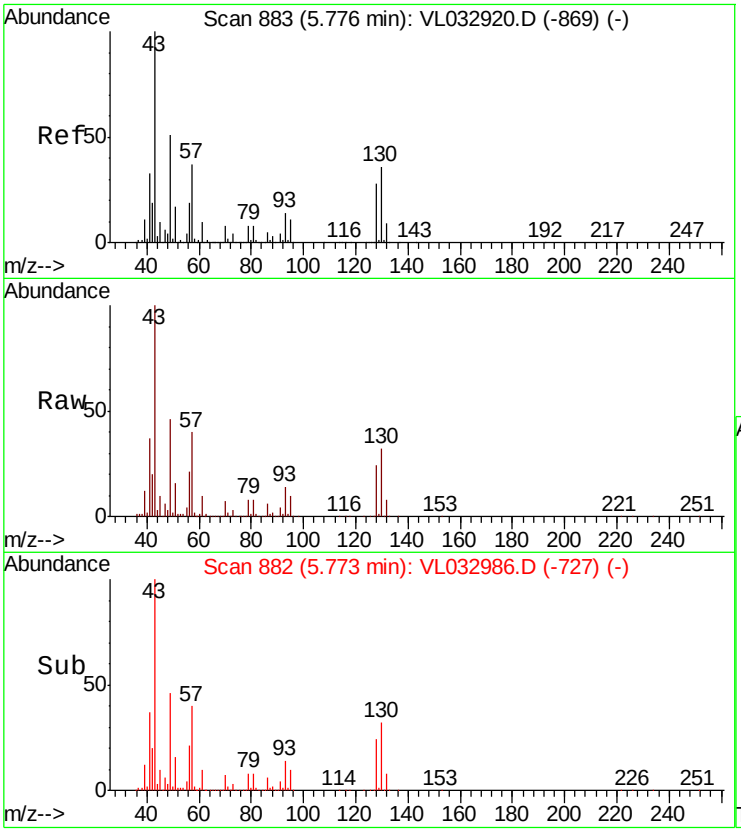


#24
1,1-Dichloroethane
Concen: 10.738 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 63 Resp: 1707028

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.5	7.5
100	2.9	1.4	4.2



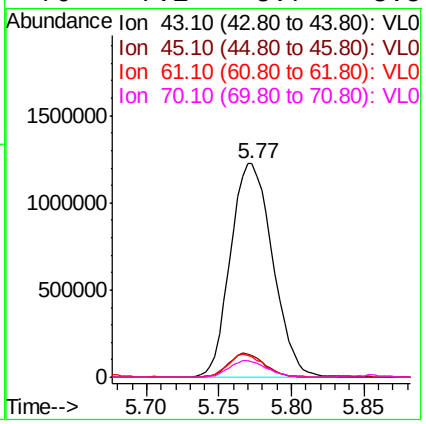


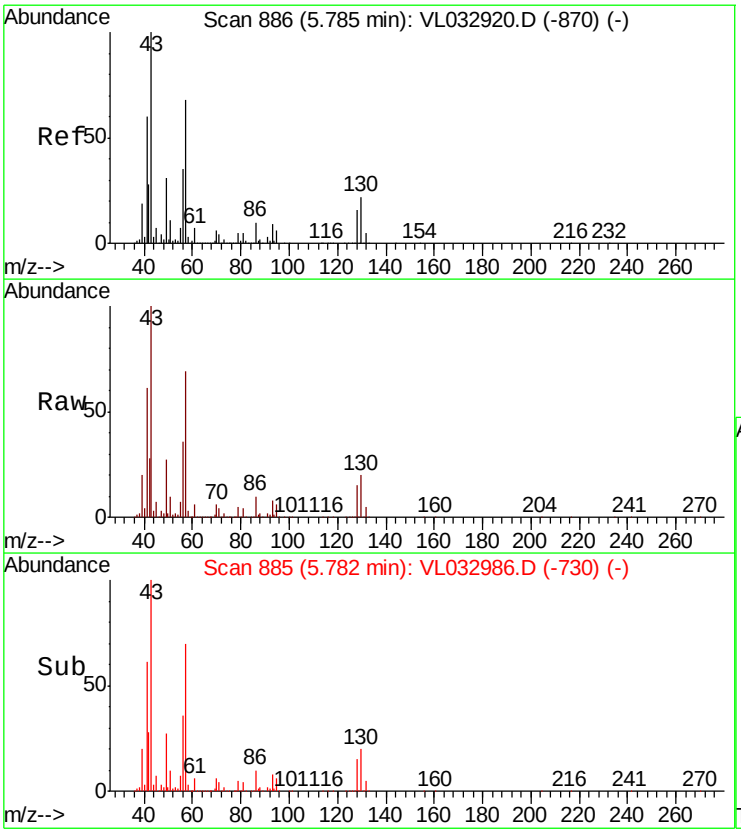
#25
Ethyl Acetate
Concen: 9.693 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 2472459

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.4	7.4	11.2
70	7.1	5.7	8.5

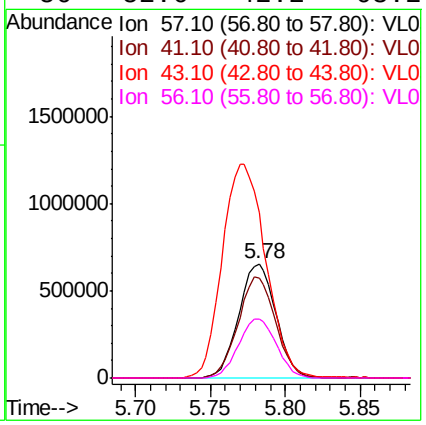


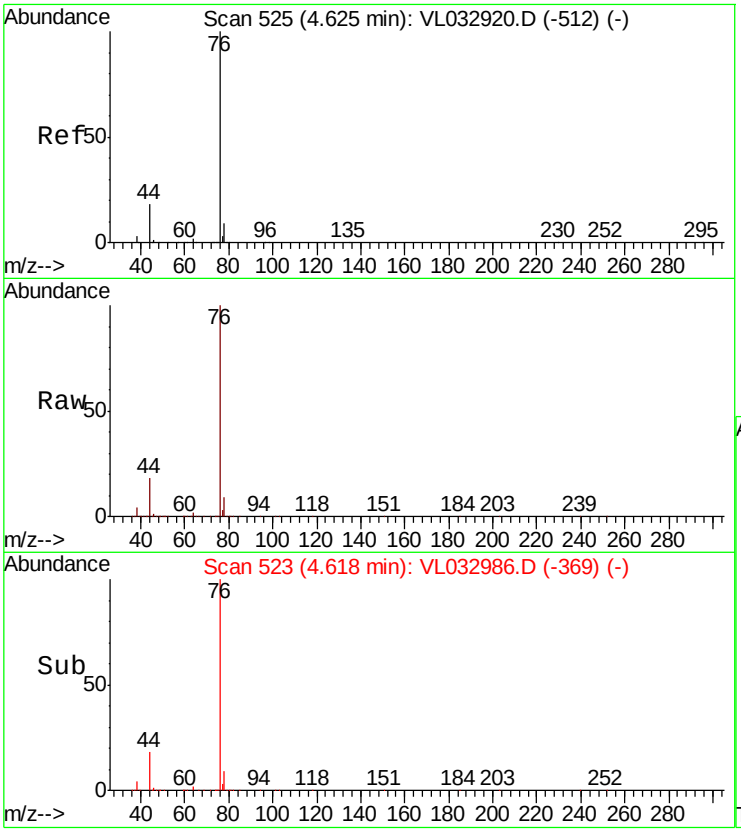


#26
Hexane
Concen: 9.619 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 57 Resp: 1132759

Ion	Ratio	Lower	Upper
57	100		
41	89.4	72.2	108.2
43	219.7	171.9	257.9
56	52.6	42.2	63.2



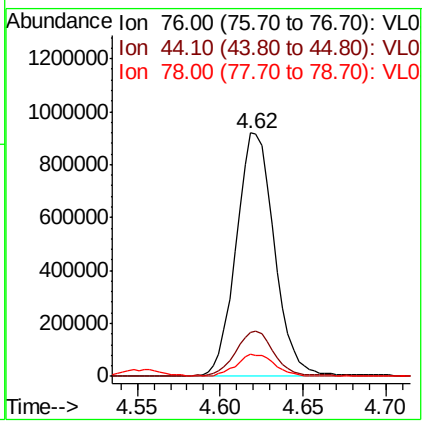


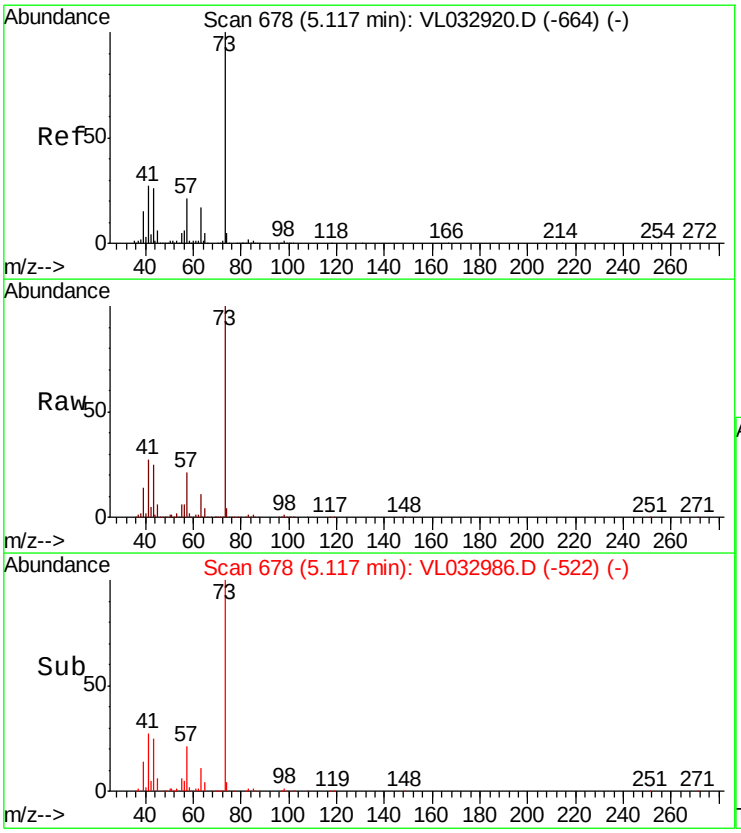
#27
Carbon Disulfide
Concen: 9.986 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 76 Resp: 1470340

Ion	Ratio	Lower	Upper
76	100		
44	18.8	14.7	22.1
78	9.1	7.4	11.2

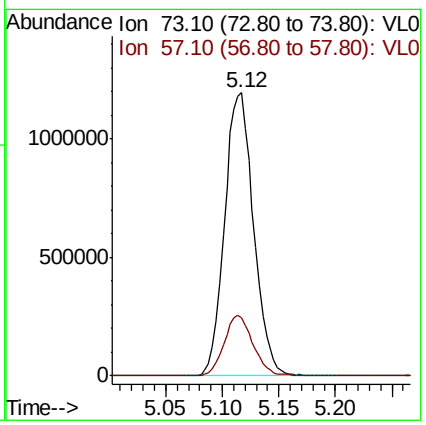


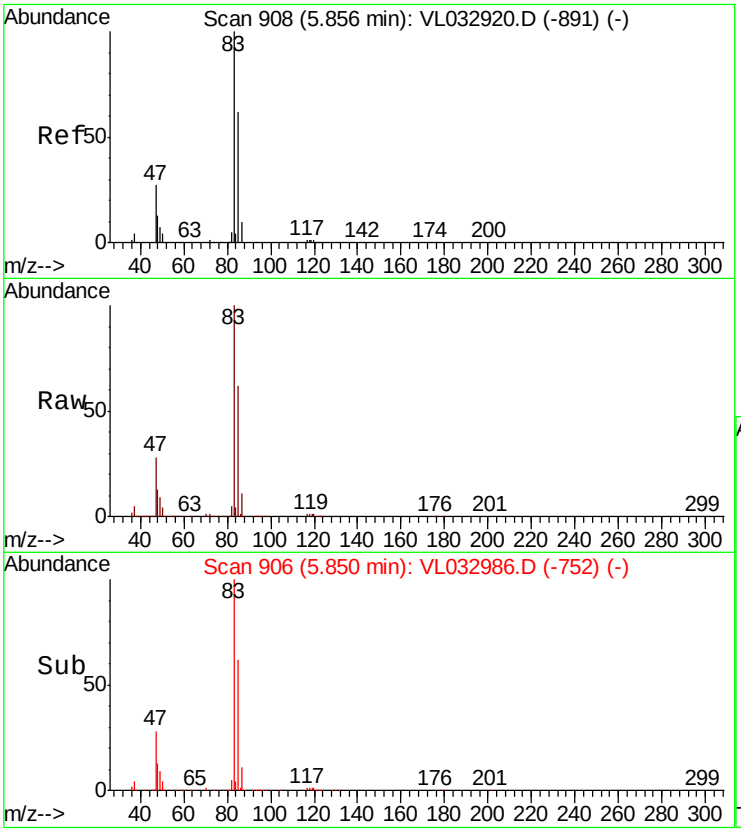


#28
Methyl tert-Butyl Ether
Concen: 12.045 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 73 Resp: 2130284

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



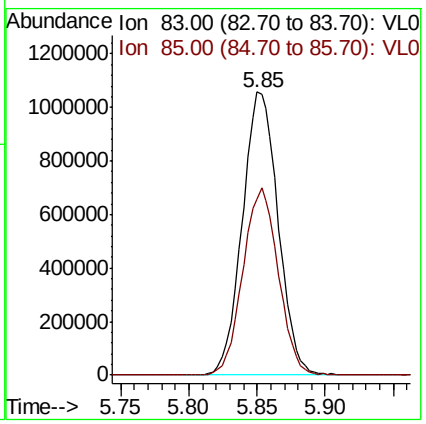


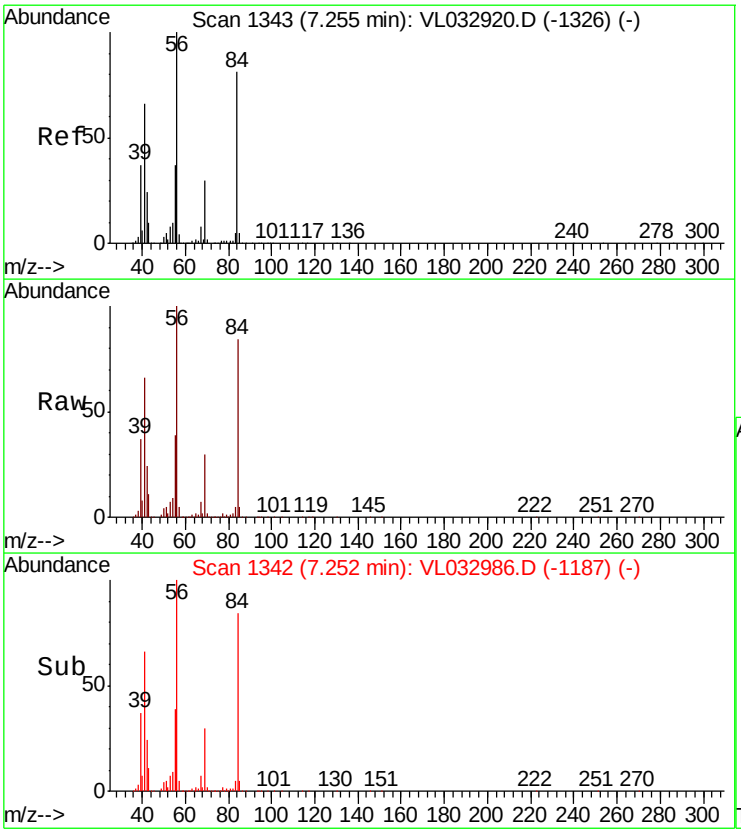
#29
Chloroform
Concen: 9.164 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 83 Resp: 1925518

Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.8	74.8

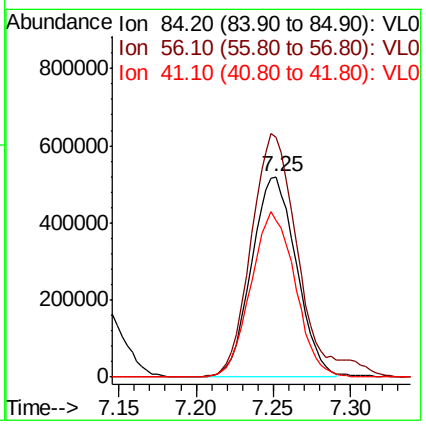


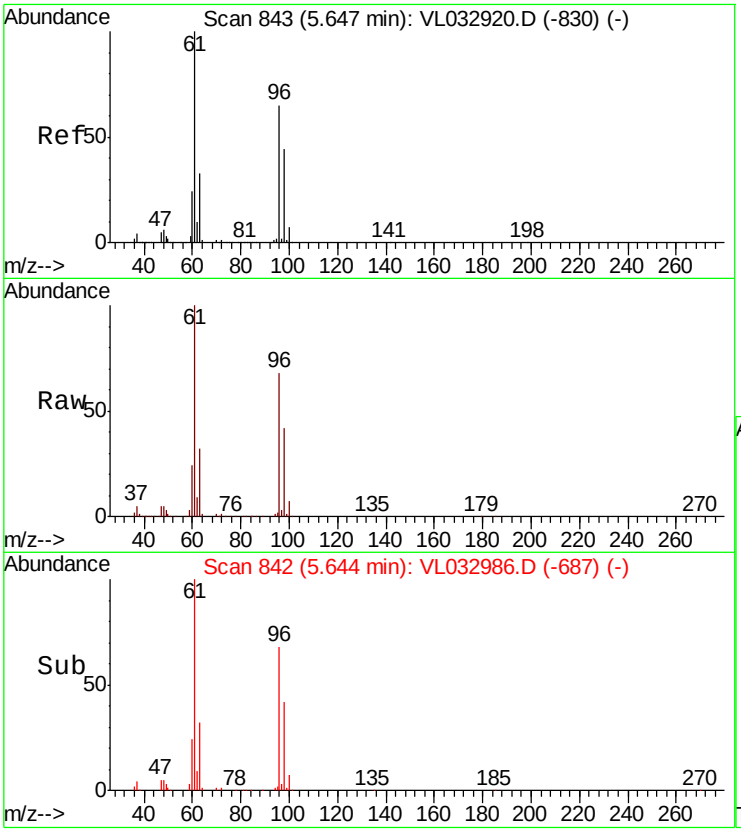


#30
Cyclohexane
Concen: 10.719 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 84 Resp: 1046176

Ion	Ratio	Lower	Upper
84	100		
56	128.1	102.5	153.7
41	81.6	64.1	96.1



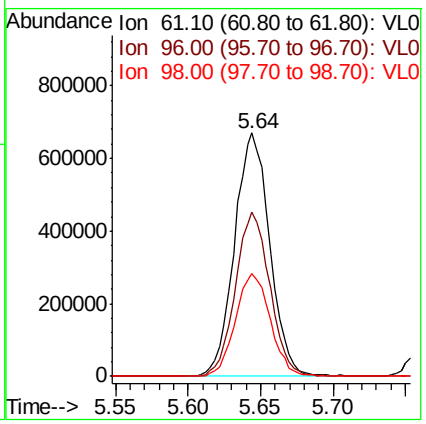


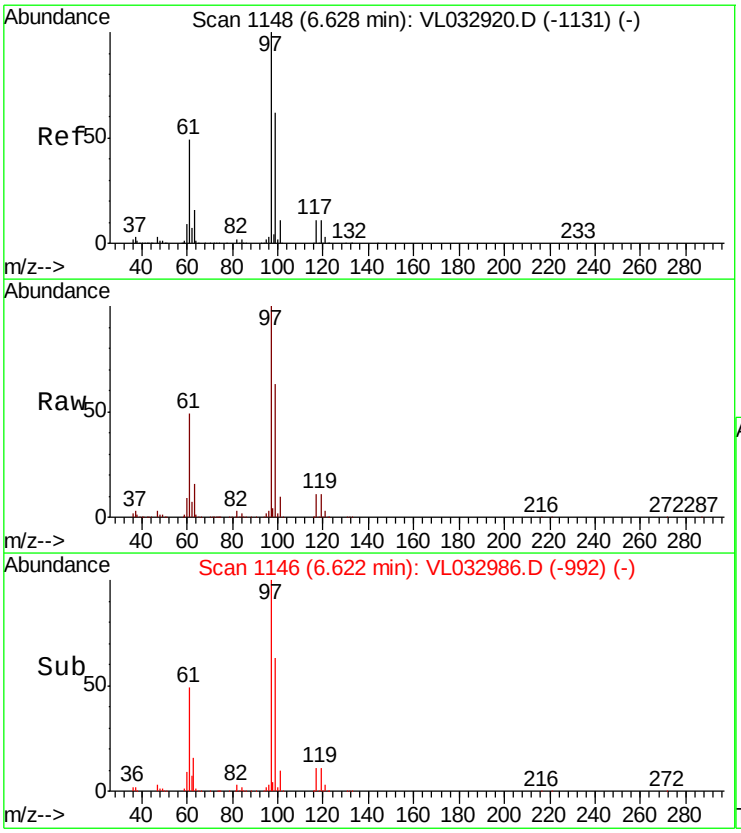
#31
cis-1,2-Dichloroethene
Concen: 10.477 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 61 Resp: 1132199

Ion	Ratio	Lower	Upper
61	100		
96	67.4	51.9	77.9
98	42.3	35.0	52.4

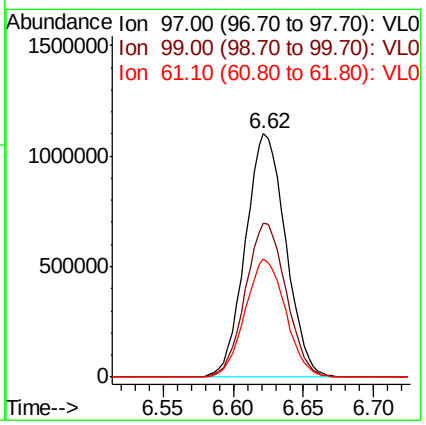


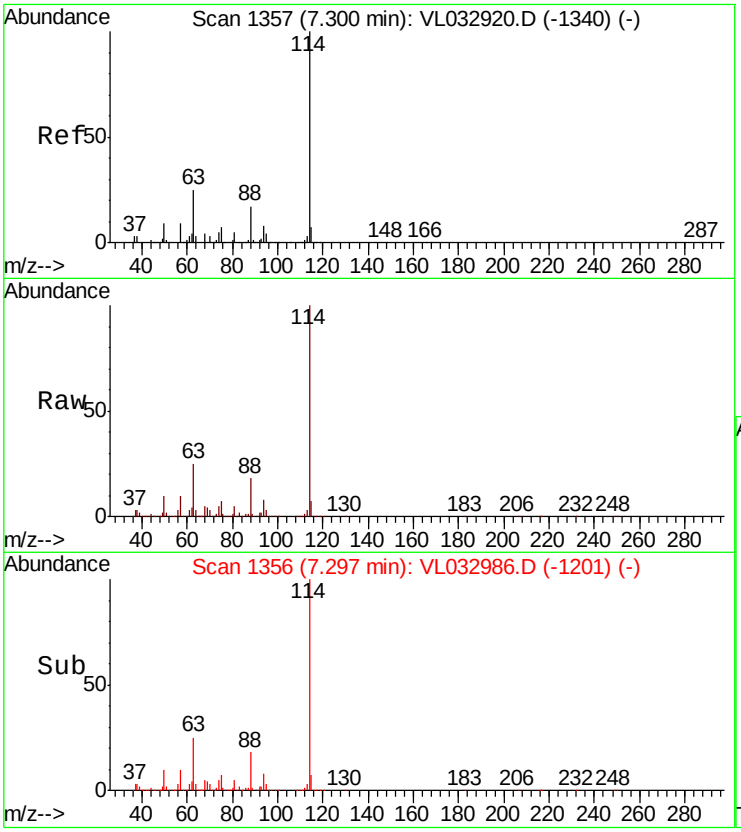


#32
1,1,1-Trichloroethane
Concen: 9.925 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 97 Resp: 2206521

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	48.7	39.3	58.9



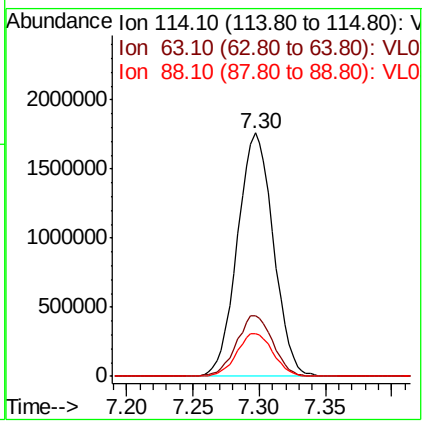


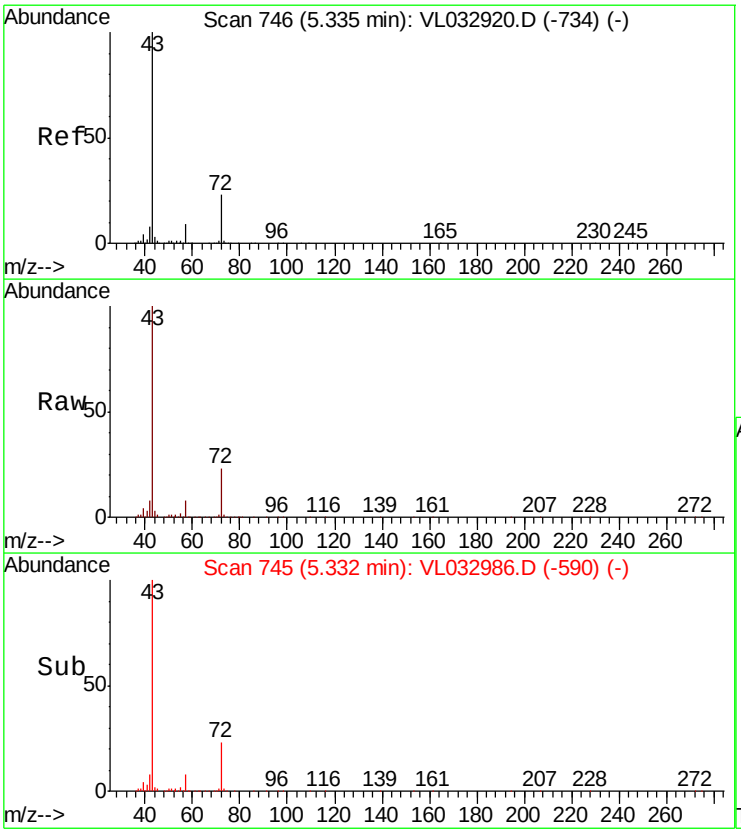
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:114 Resp: 3313645

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.1	30.1
88	17.7	14.2	21.4

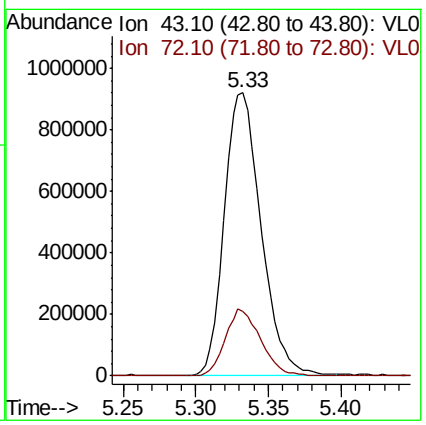


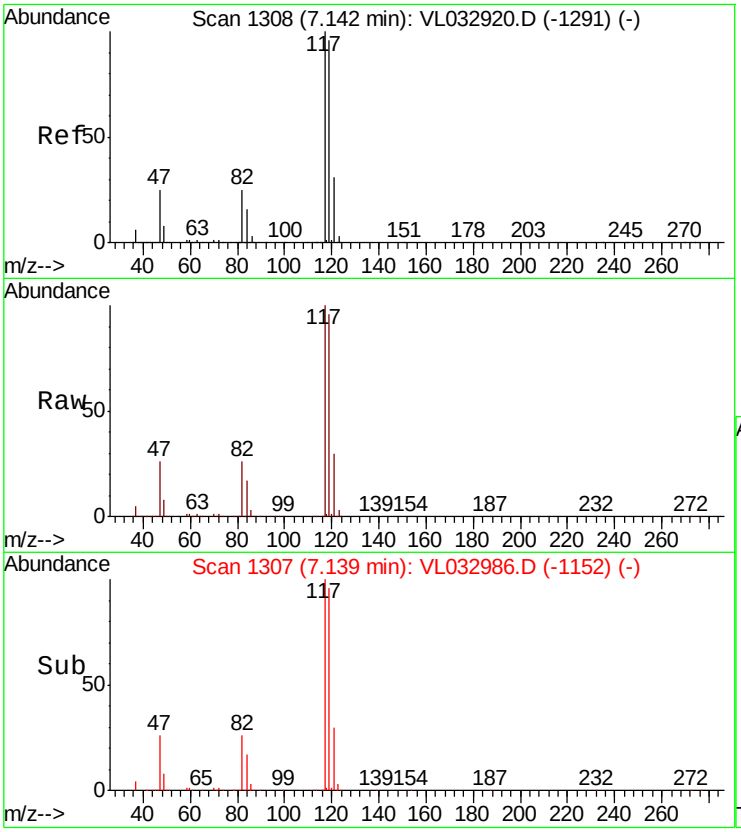


#34
2-Butanone
Concen: 11.205 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 43 Resp: 1617228

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.8	28.2



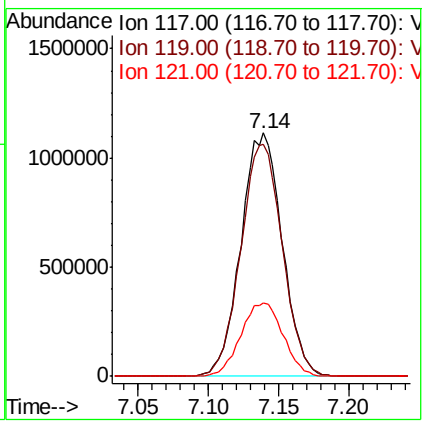


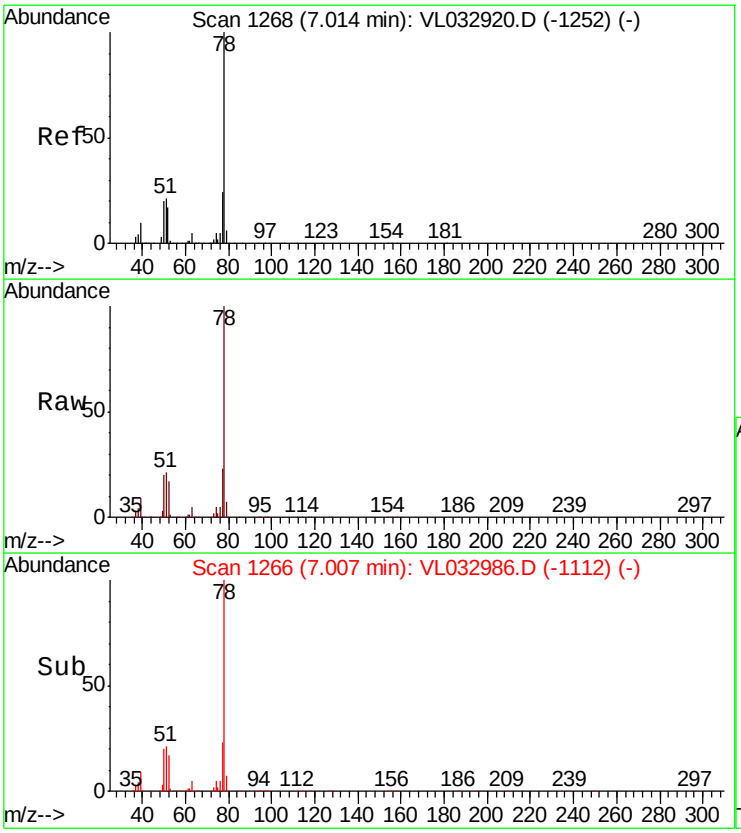
#35
Carbon Tetrachloride
Concen: 8.785 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:117 Resp: 2288201

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
121	30.3	24.5	36.7

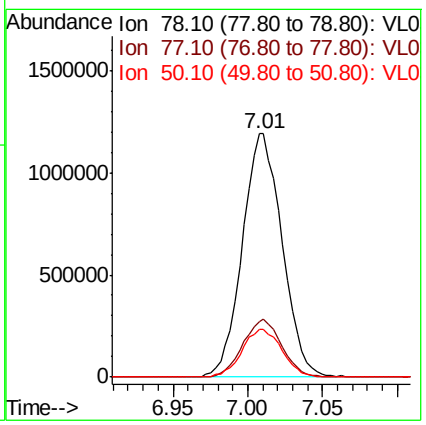


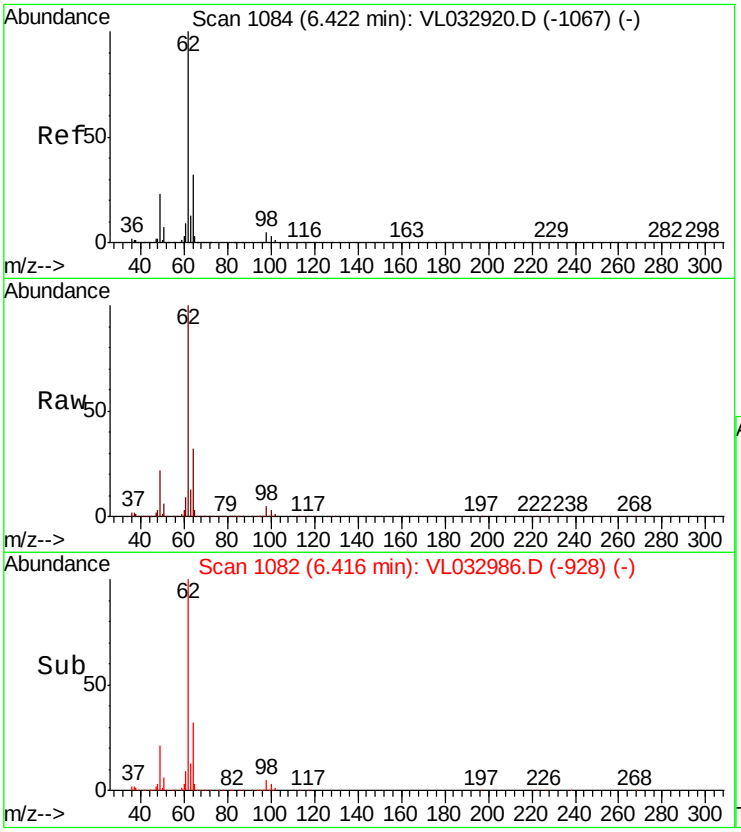


#36
Benzene
Concen: 9.023 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 78 Resp: 2199066

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
50	19.7	16.1	24.1



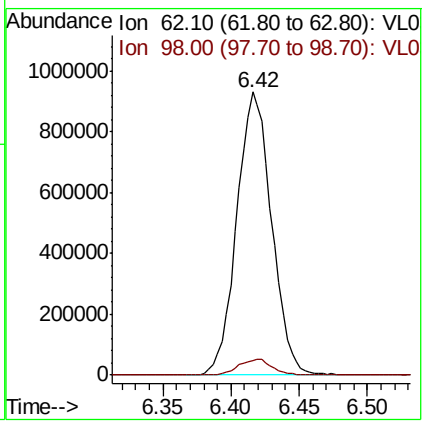


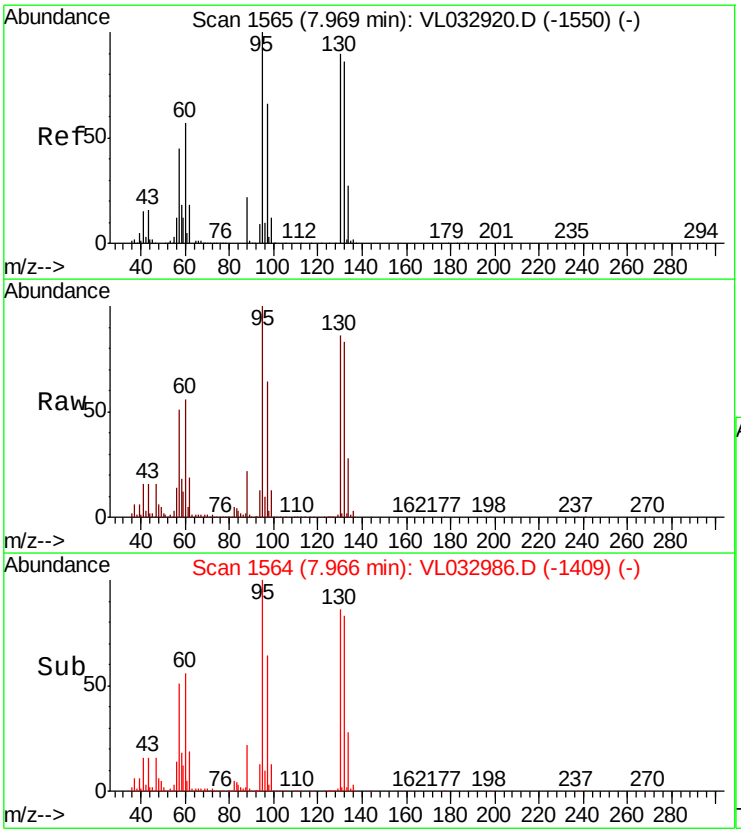
#37
1,2-Dichloroethane
Concen: 9.947 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 62 Resp: 1650569

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.3	6.5

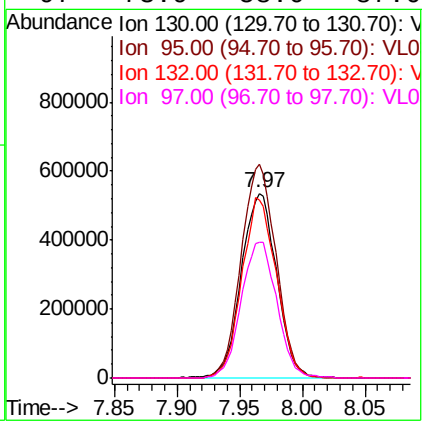


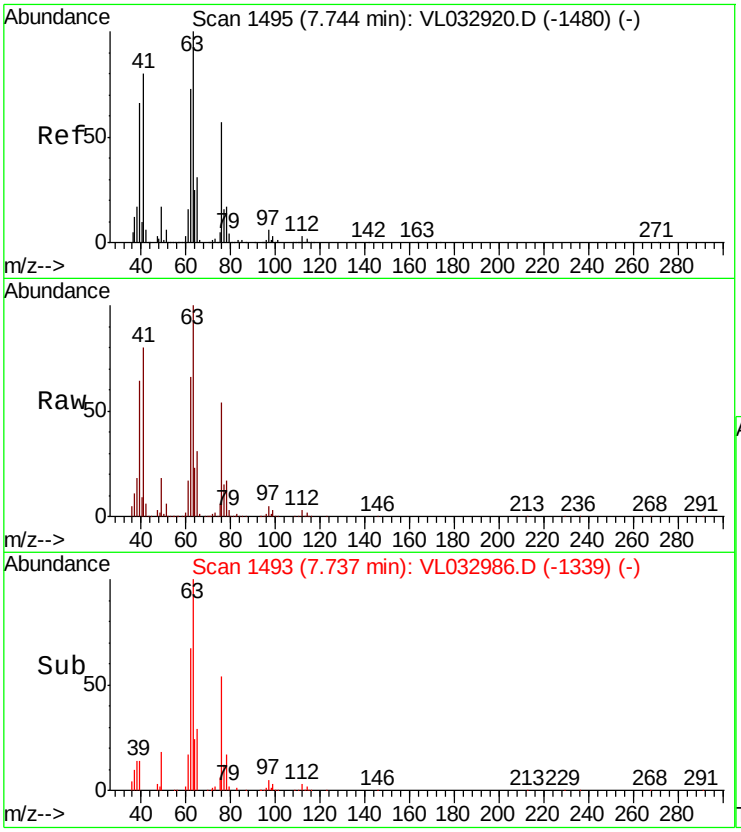


#38
Trichloroethene
Concen: 10.304 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:130 Resp: 1045096

Ion	Ratio	Lower	Upper
130	100		
95	115.8	88.6	132.8
132	96.5	76.1	114.1
97	73.9	58.0	87.0



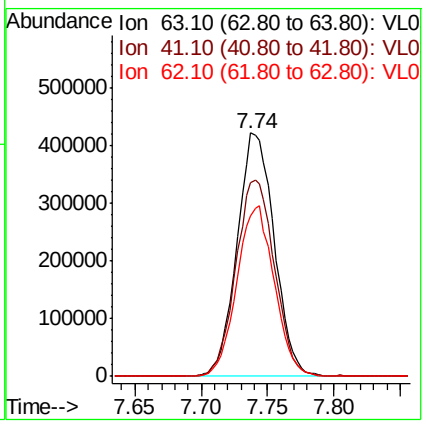


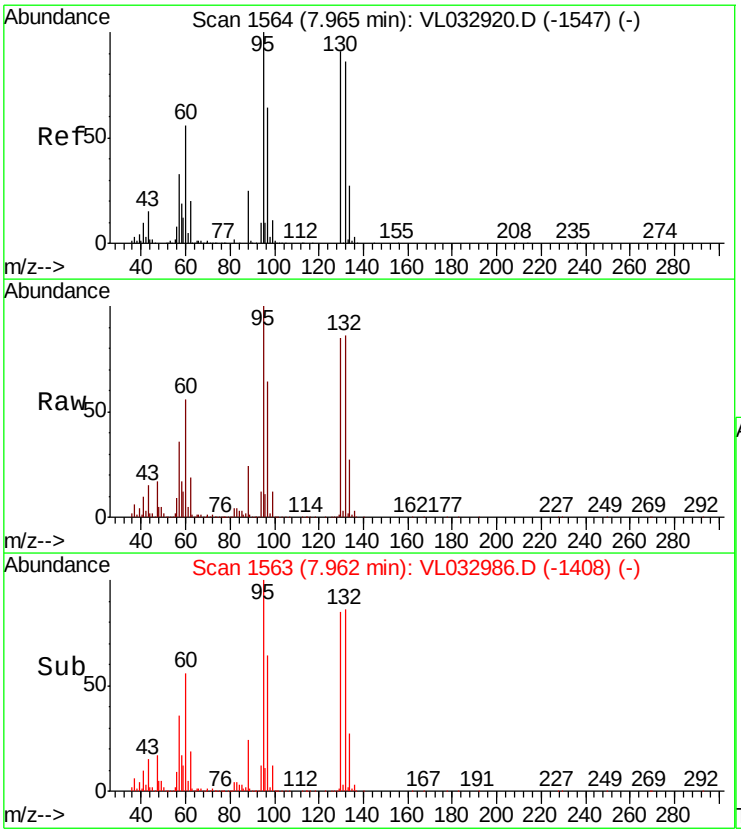
#39
1,2-Dichloropropane
Concen: 8.894 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 63 Resp: 822114

Ion	Ratio	Lower	Upper
63	100		
41	79.4	63.9	95.9
62	66.0	58.8	88.2

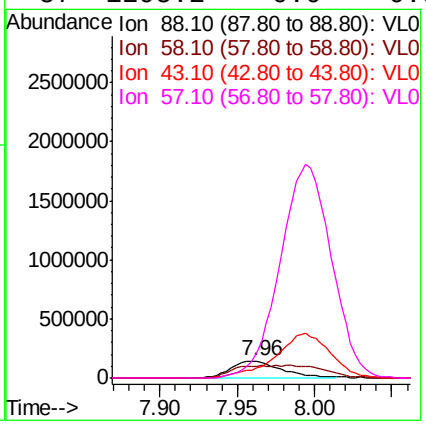


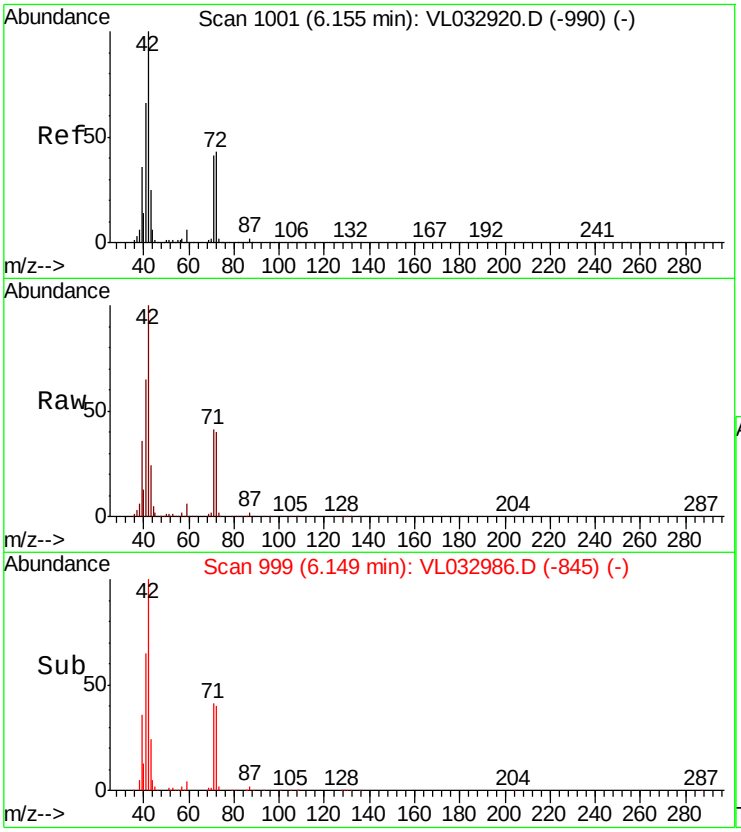


#40
1,4-Dioxane
Concen: 9.521 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 88 Resp: 324141

Ion	Ratio	Lower	Upper
88	100		
58	132.2	107.4	161.2
43	288.6	0.0	0.0#
57	1295.2	0.0	0.0#



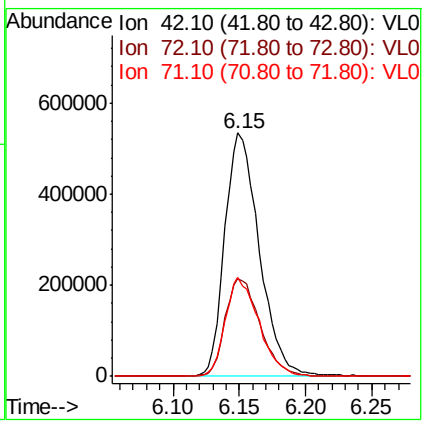


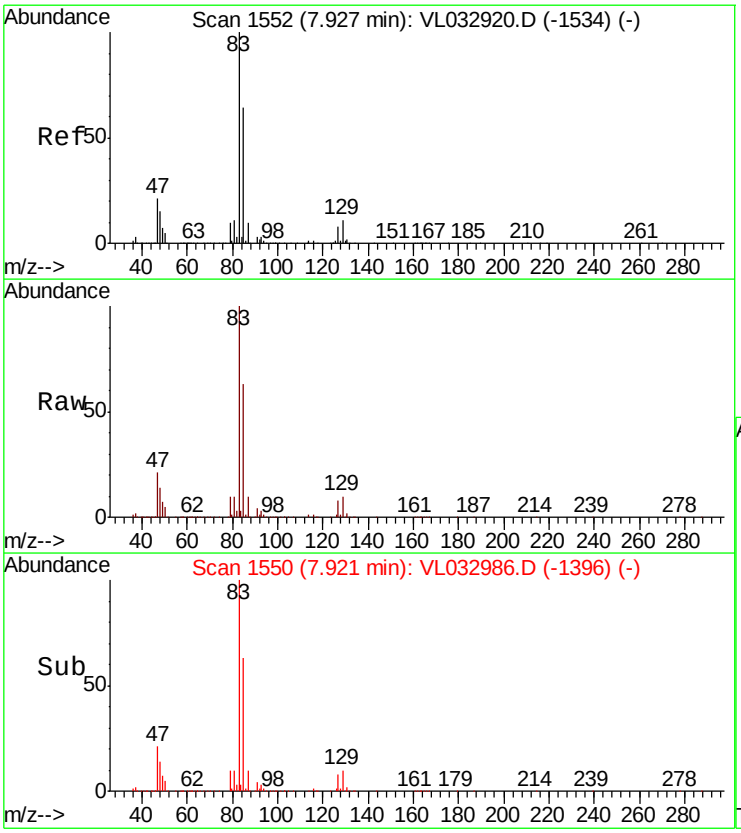
#41
Tetrahydrofuran
Concen: 10.761 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 42 Resp: 966012

Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.9	49.3
71	39.8	32.0	48.0

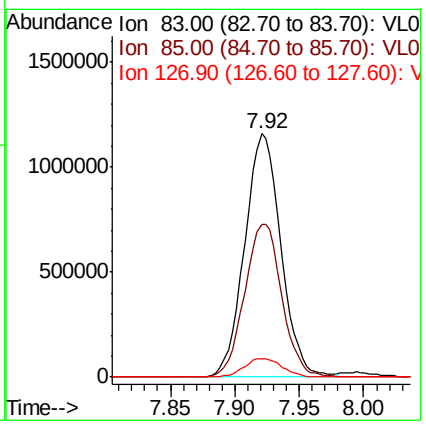


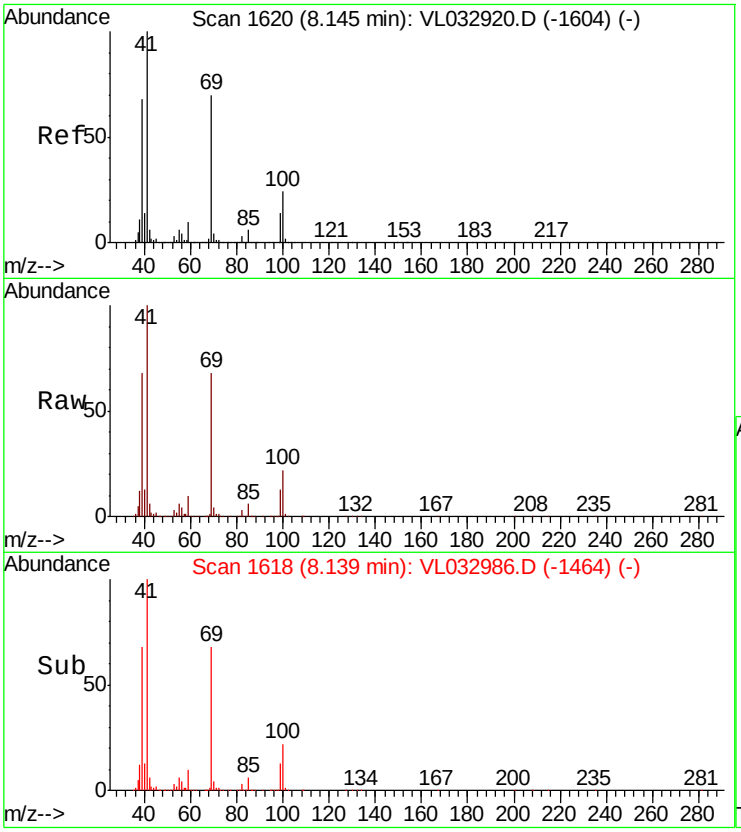


#42
Bromodichloromethane
Concen: 9.919 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 83 Resp: 2280361

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	7.6	6.7	10.1



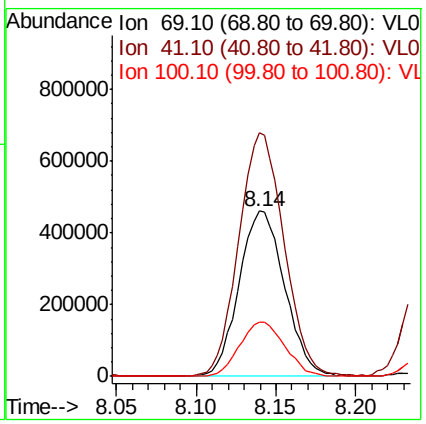


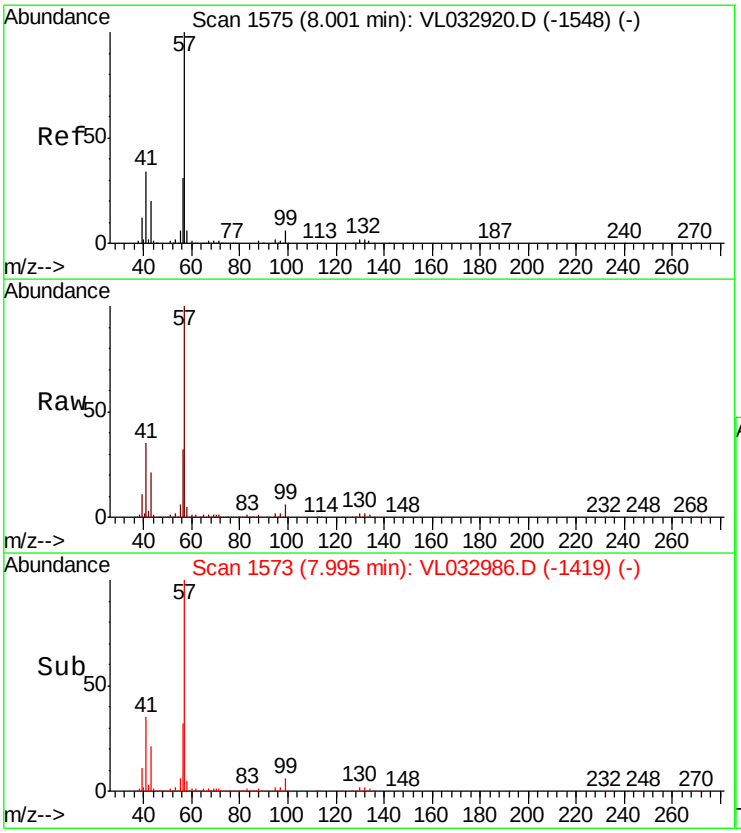
#43
Methyl Methacrylate
Concen: 9.927 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 69 Resp: 896496

Ion	Ratio	Lower	Upper
69	100		
41	146.5	116.6	175.0
100	32.7	26.5	39.7

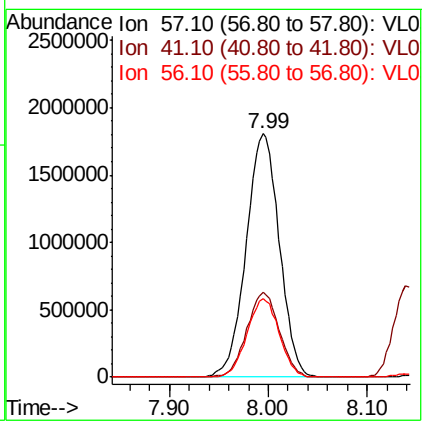


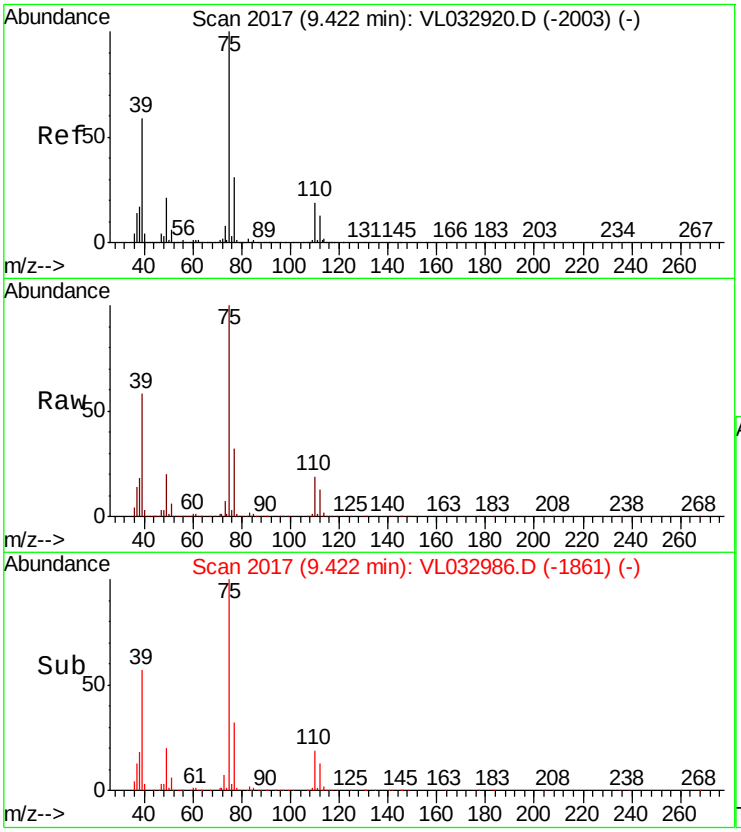


#44
2,2,4-Trimethylpentane
Concen: 10.141 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 57 Resp: 4195389

Ion	Ratio	Lower	Upper
57	100		
41	34.1	27.0	40.4
56	31.2	24.6	37.0



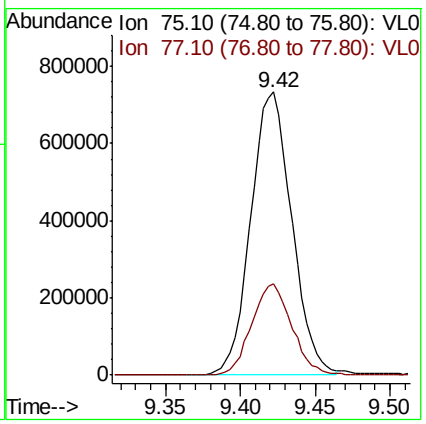


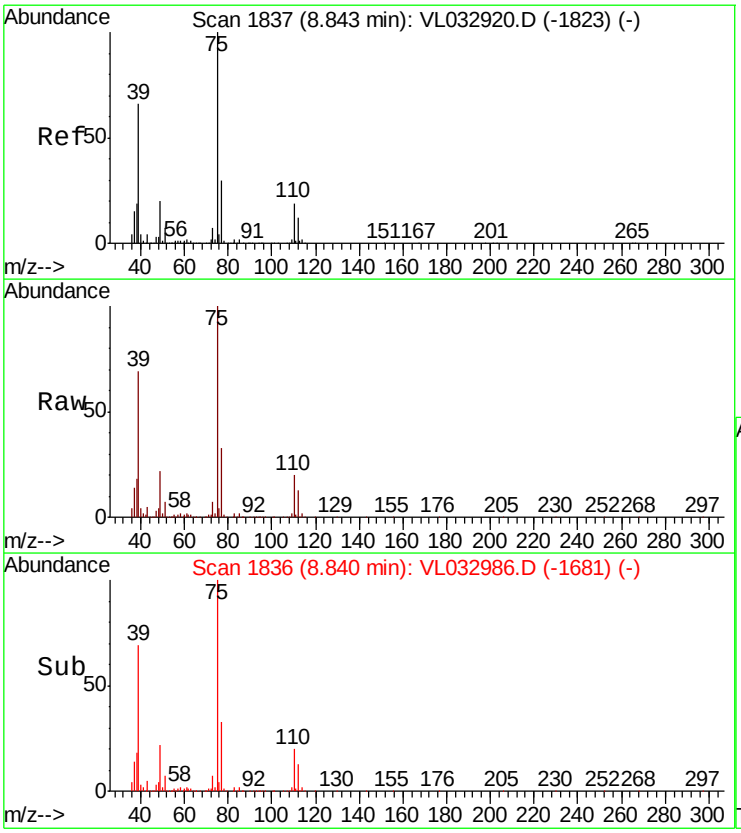
#45
t-1,3-Dichloropropene
Concen: 12.633 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 75 Resp: 1398922

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2

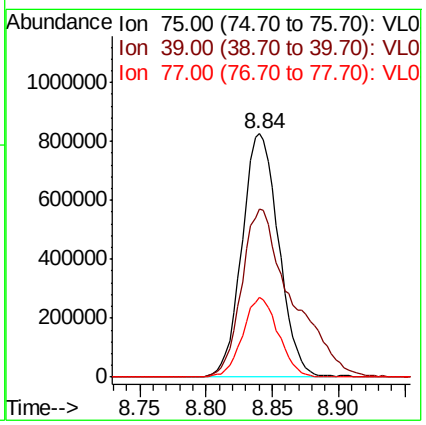


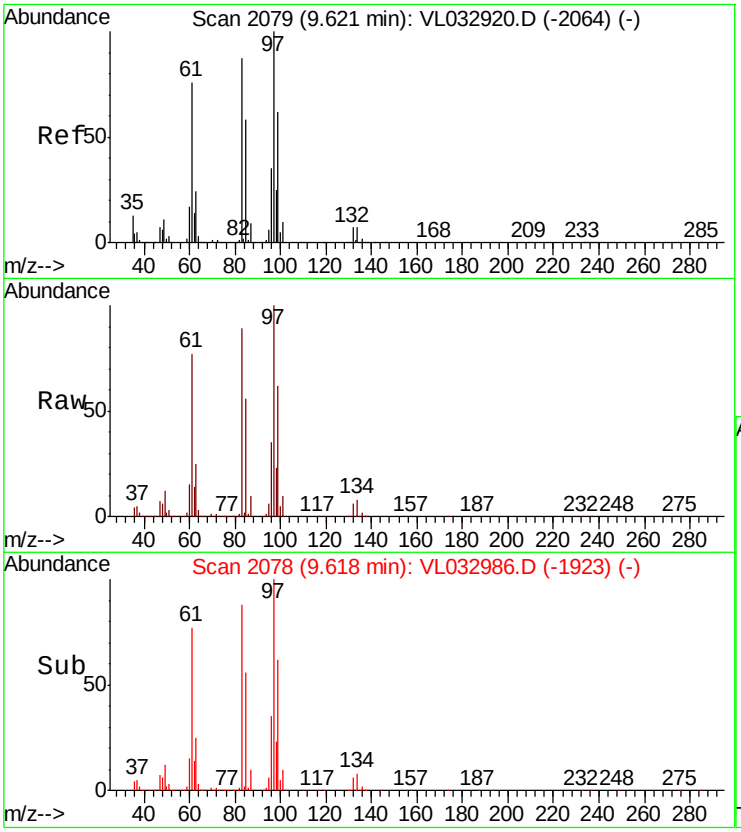


#46
cis-1,3-Dichloropropene
Concen: 11.722 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 75 Resp: 1588672

Ion	Ratio	Lower	Upper
75	100		
39	69.2	52.8	79.2
77	32.5	24.3	36.5



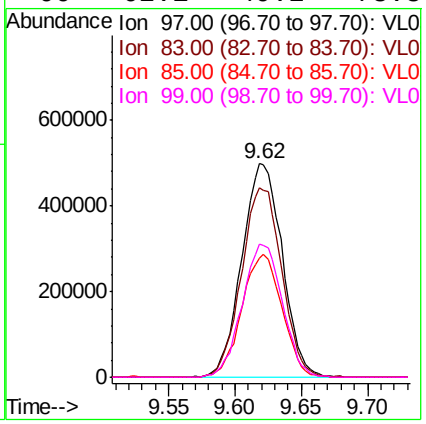


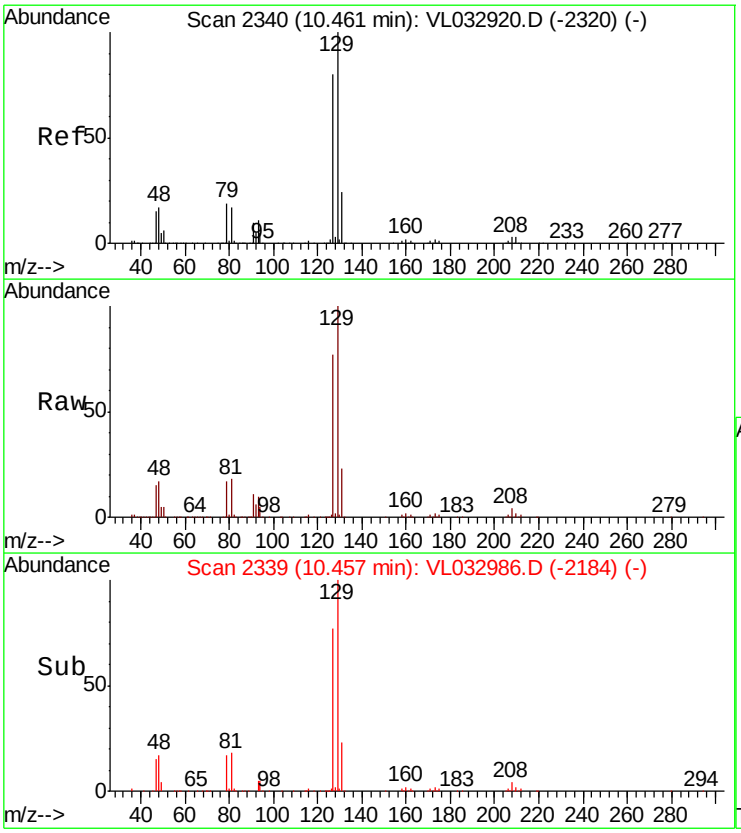
#47
1,1,2-Trichloroethane
Concen: 10.371 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion: 97 Resp: 1055171

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.8	104.8
85	55.5	46.7	70.1
99	62.1	49.2	73.8

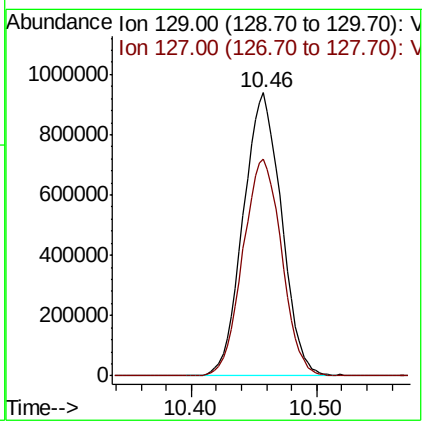


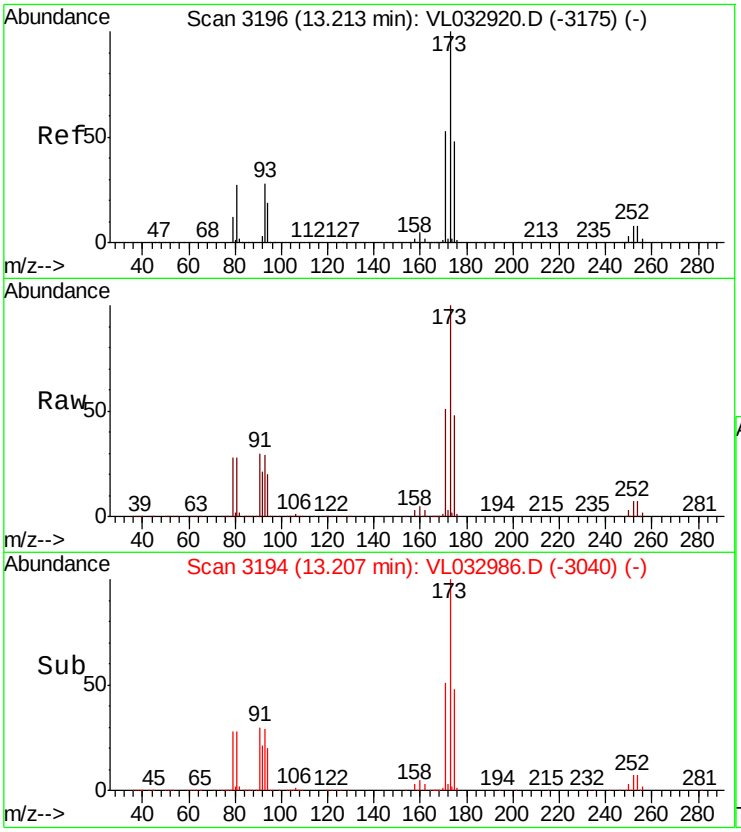


#48
Dibromochloromethane
Concen: 10.445 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:129 Resp: 1993461

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.3	117.8



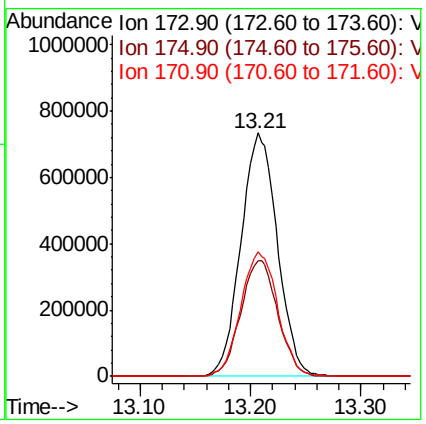


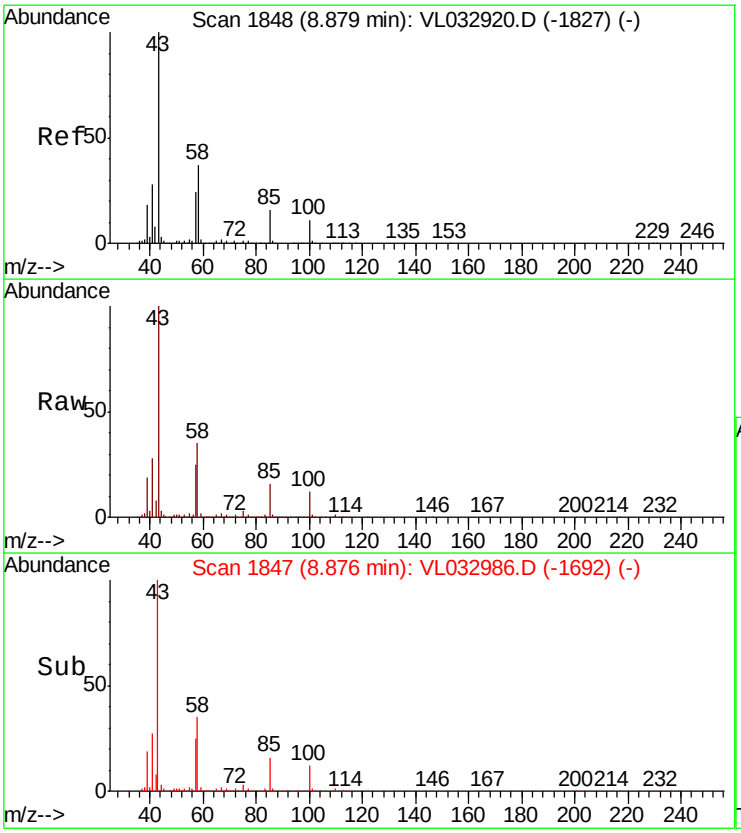
#49
Bromoform
Concen: 10.720 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:173 Resp: 1682782

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
171	52.0	41.5	62.3

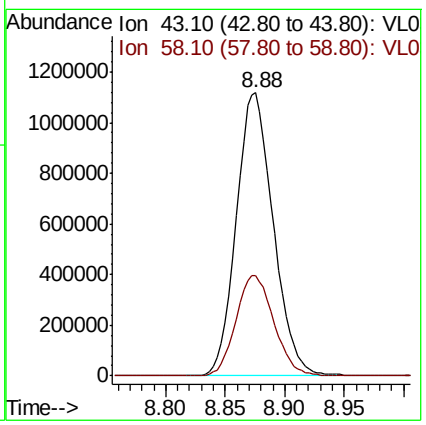


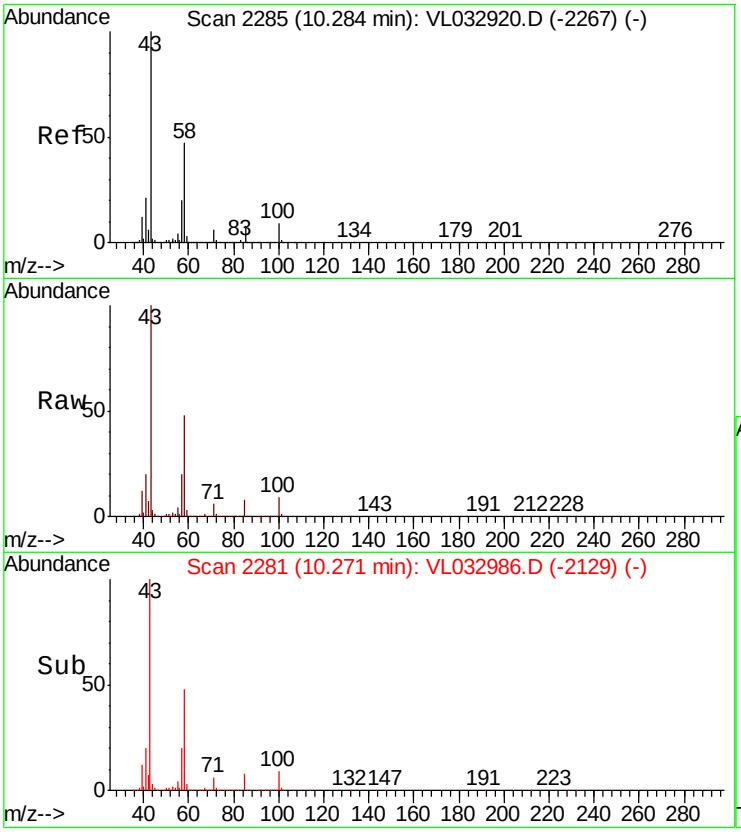


#50
4-Methyl-2-Pentanone
Concen: 10.427 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 43 Resp: 2406615

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.0	43.4



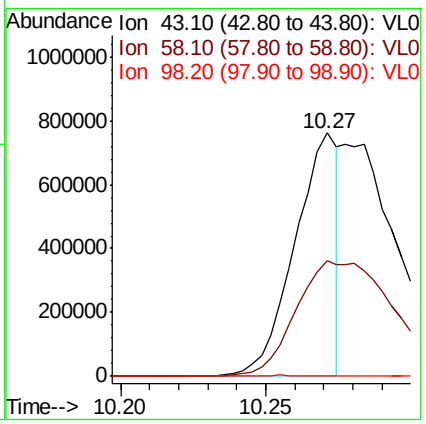


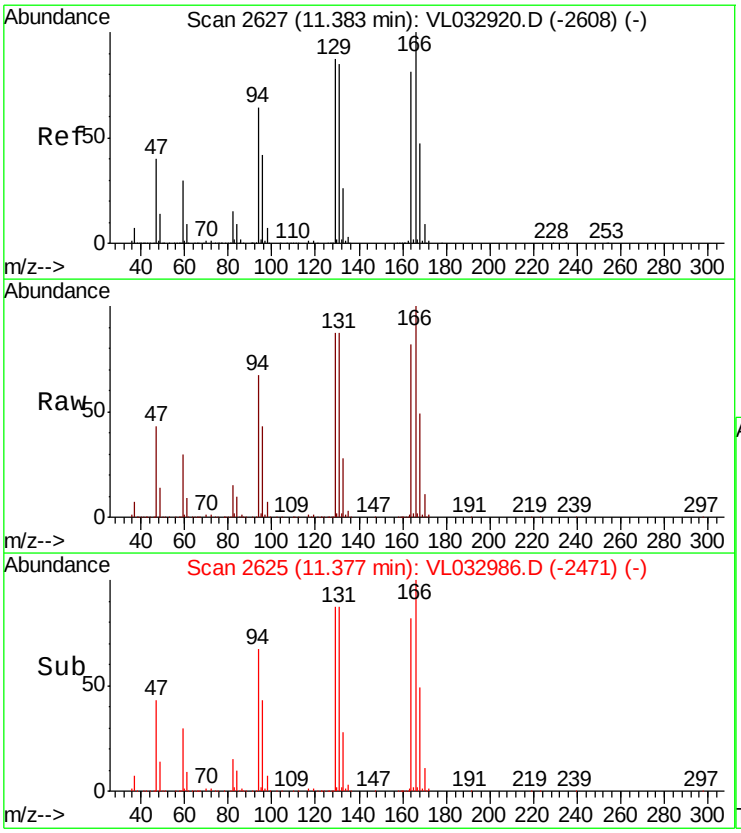
#51
2-Hexanone
Concen: 5.014 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 43 Resp: 784920

Ion	Ratio	Lower	Upper
43	100		
58	111.2	38.1	57.1#
98	1.2	0.4	0.6#

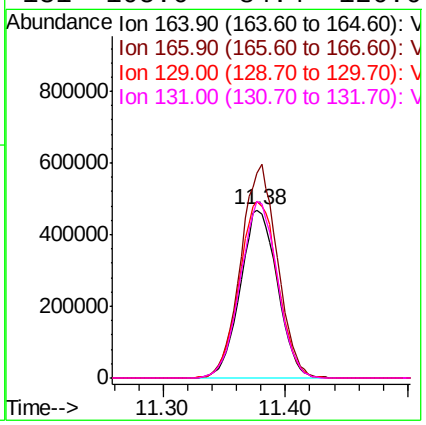


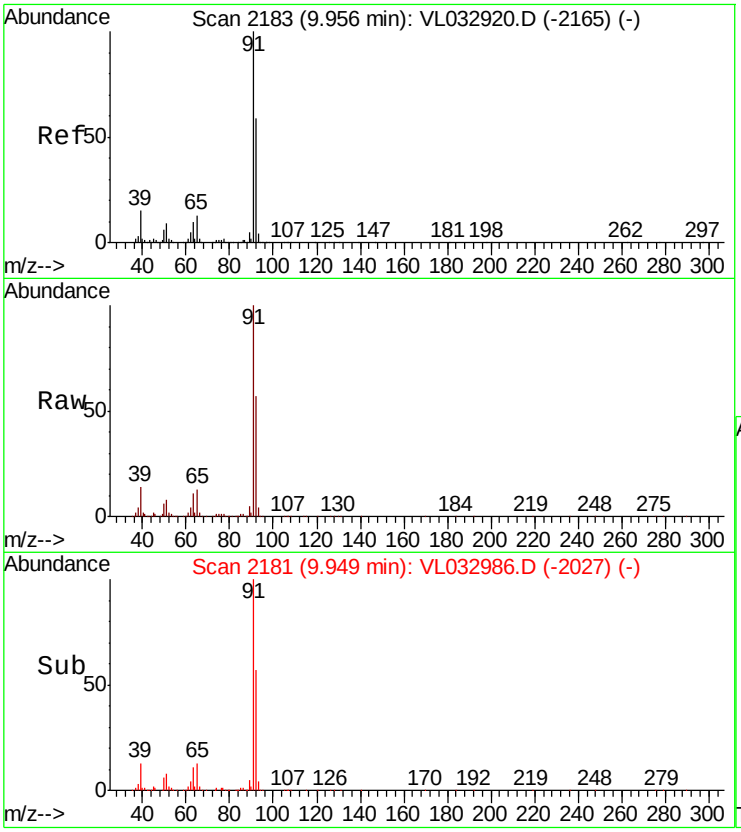


#52
Tetrachloroethene
Concen: 11.071 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:164 Resp: 981495

Ion	Ratio	Lower	Upper
164	100		
166	122.0	98.8	148.2
129	105.6	85.5	128.3
131	105.6	84.4	126.6



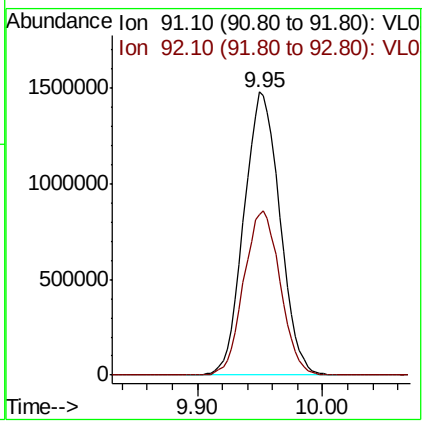


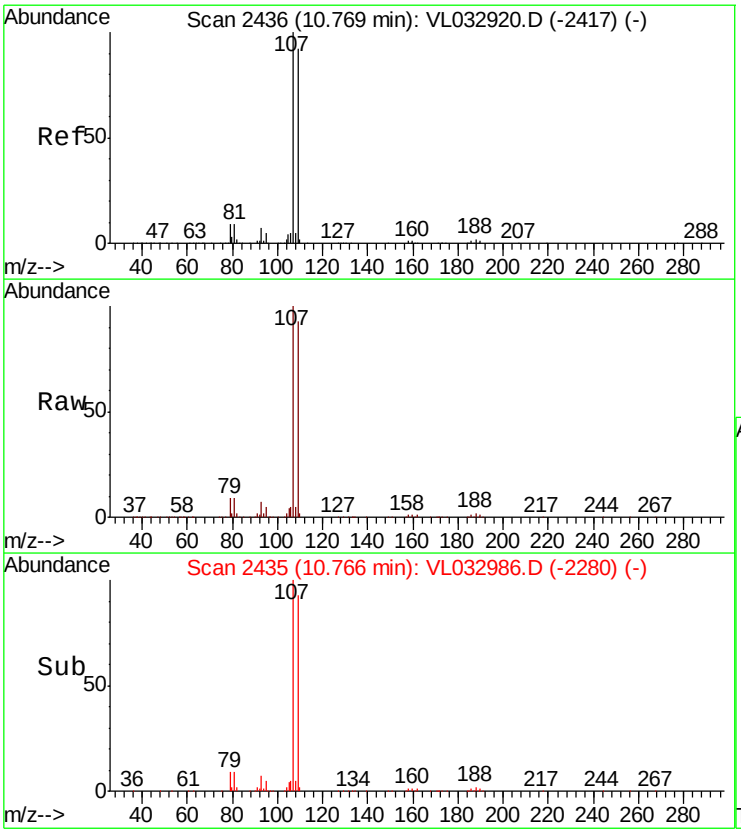
#53
Toluene
Concen: 11.423 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 2952826

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.0

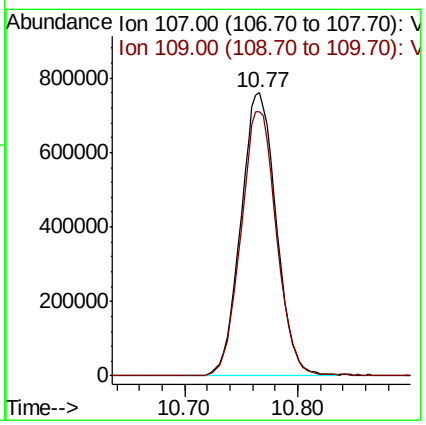


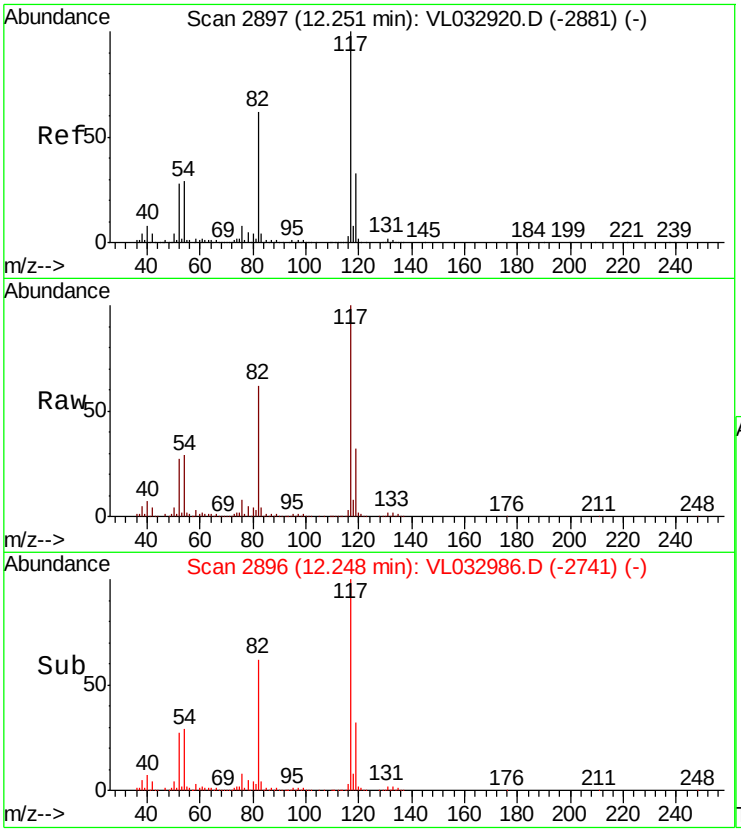


#54
1,2-Dibromoethane
Concen: 10.414 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:107 Resp: 1655108

Ion	Ratio	Lower	Upper
107	100		
109	93.4	73.4	110.2



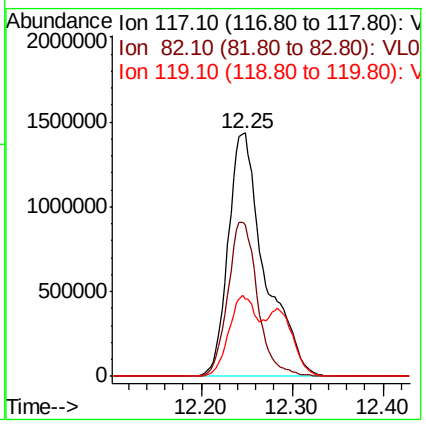


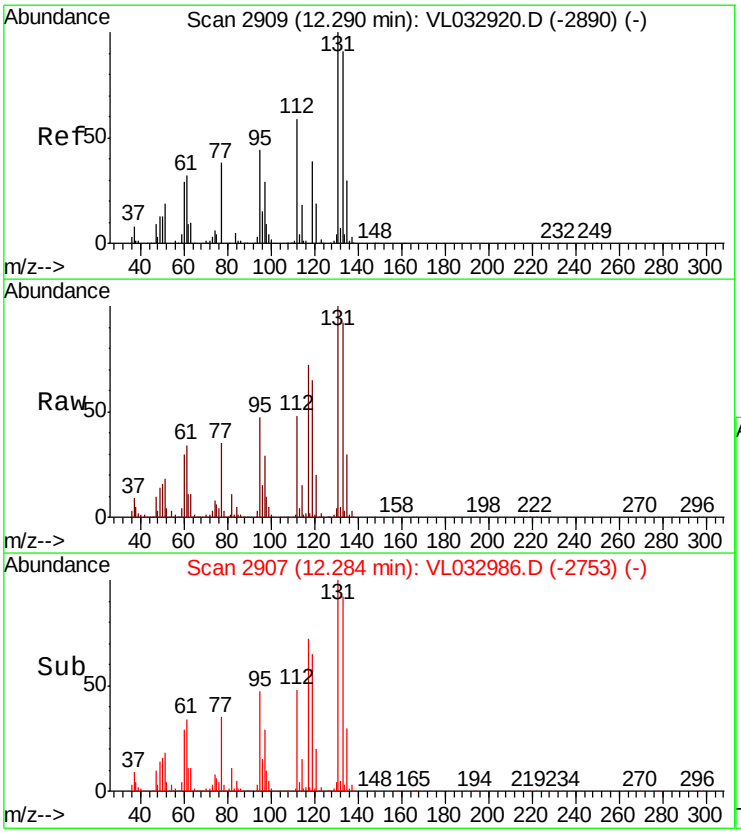
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:117 Resp: 3993766

Ion	Ratio	Lower	Upper
117	100		
82	51.8	47.8	71.8
119	26.5	43.1	64.7#

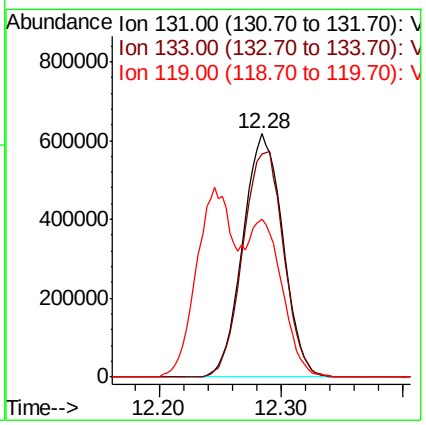


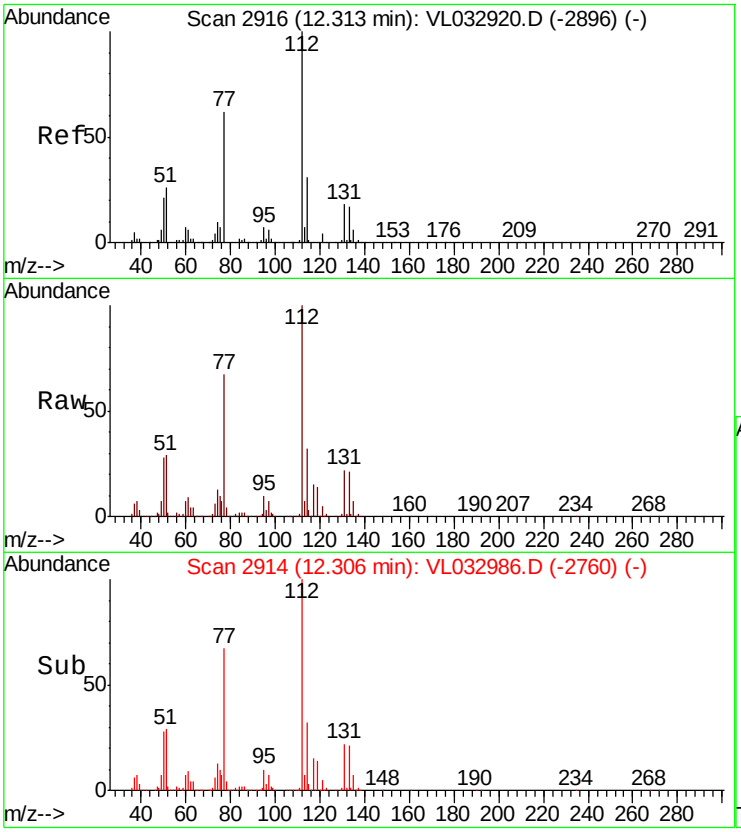


#56
1,1,1,2-Tetrachloroethane
Concen: 7.860 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:131 Resp: 1399413

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.1	112.7
119	52.2	47.5	71.3



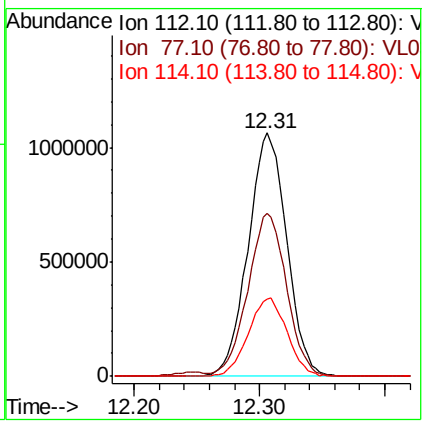


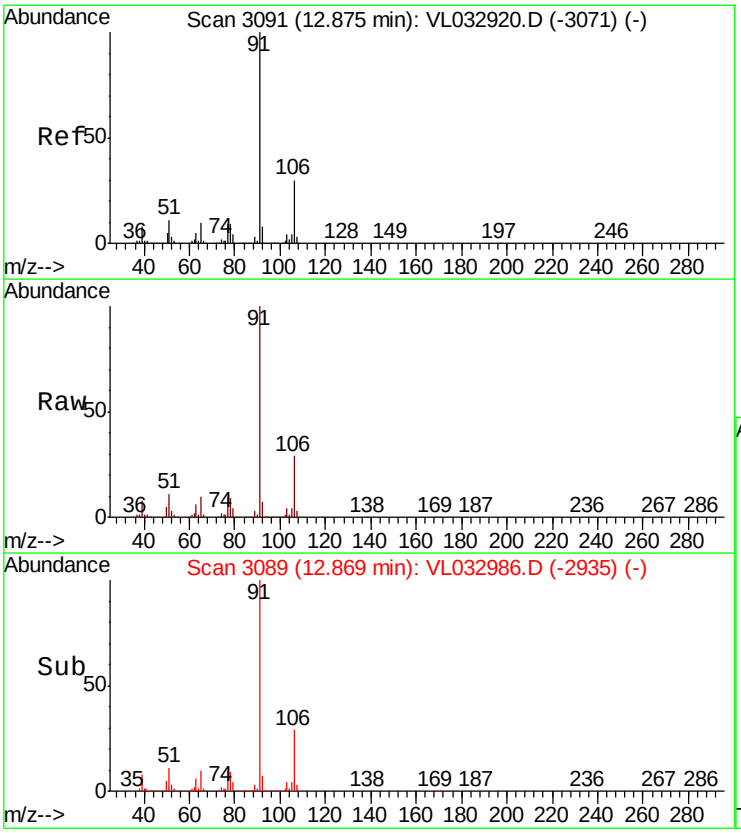
#57
Chlorobenzene
Concen: 7.880 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:112 Resp: 2272949

Ion	Ratio	Lower	Upper
112	100		
77	66.5	51.1	76.7
114	31.7	28.4	34.7

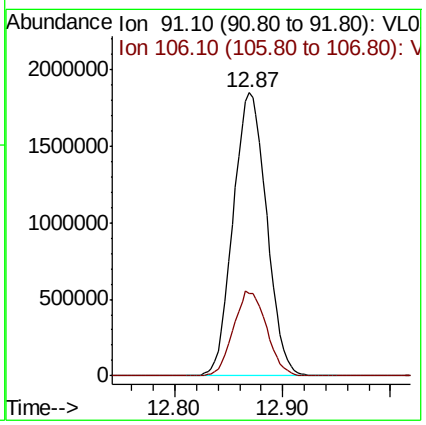


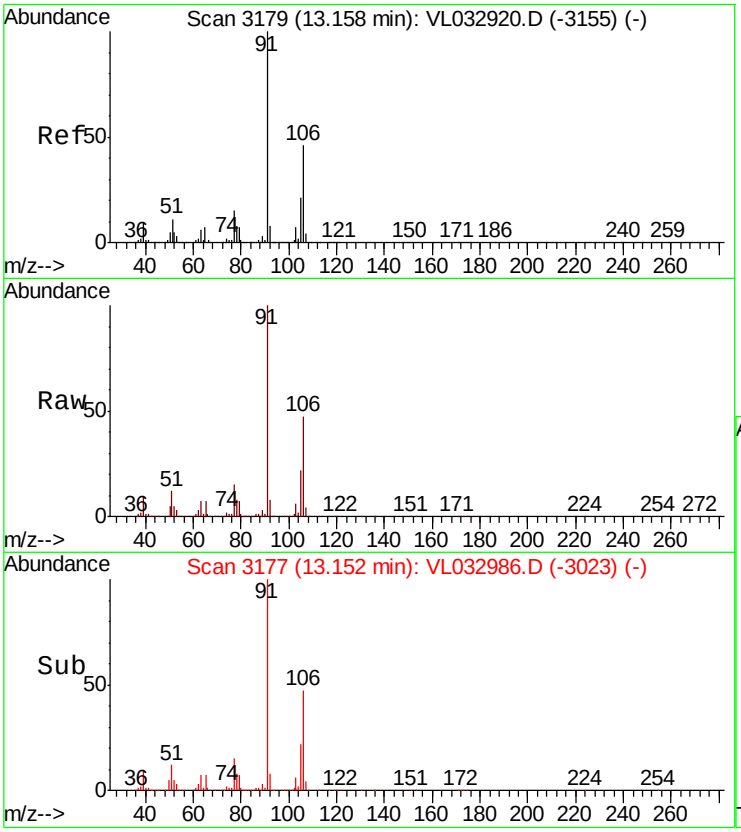


#58
Ethyl Benzene
Concen: 9.364 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 91 Resp: 3989615

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9



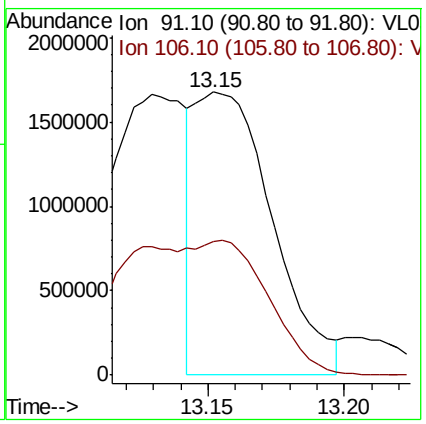


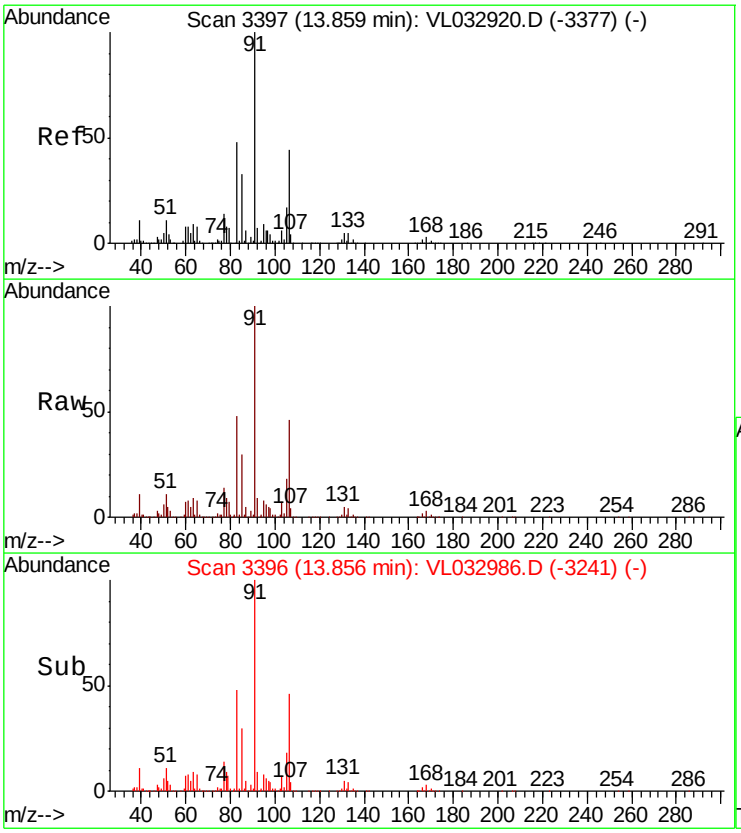
#59
m/p-Xylene
Concen: 8.553 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 3303726

Ion	Ratio	Lower	Upper
91	100		
106	93.4	0.0	0.0#

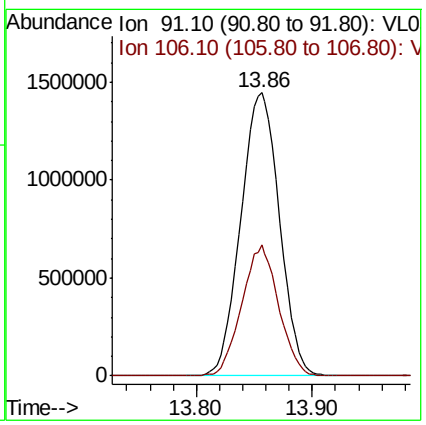


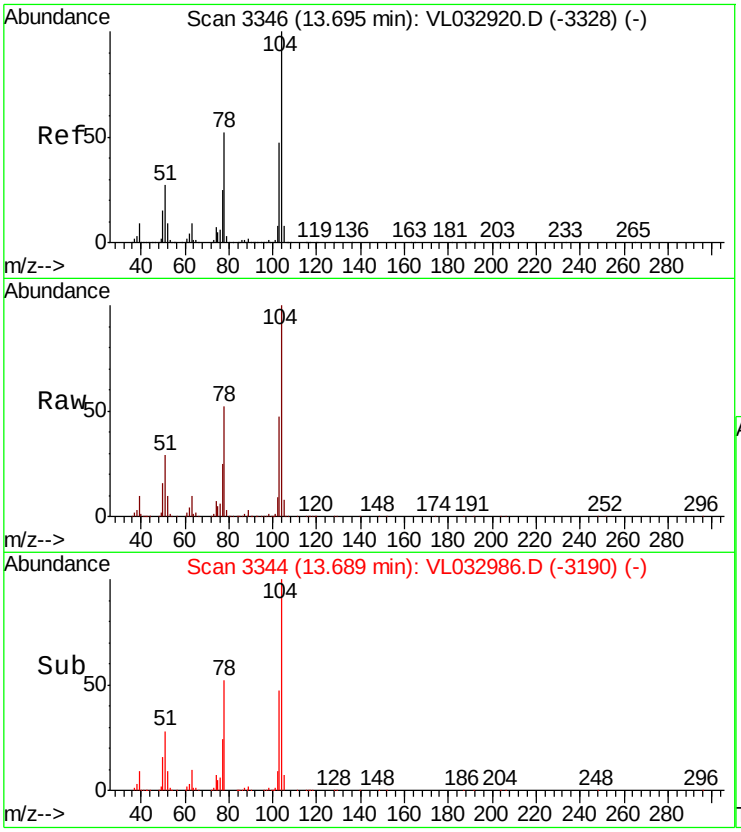


#60
o-Xylene
Concen: 8.582 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 91 Resp: 3347582

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.9	65.8



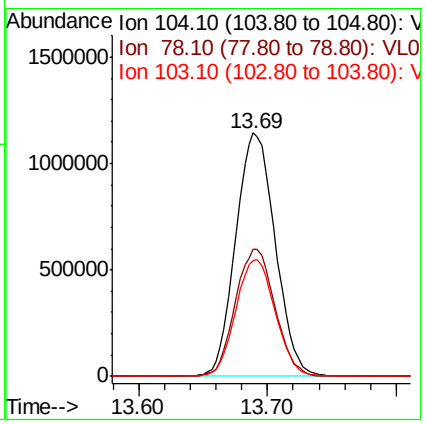


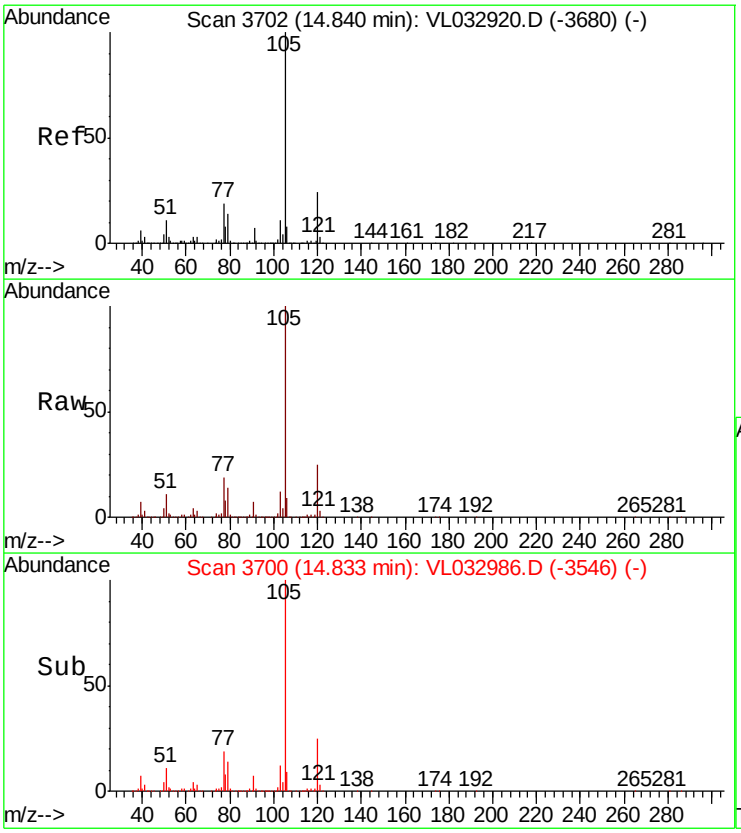
#61
Styrene
Concen: 9.397 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:104 Resp: 2438354

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.0	63.0
103	47.9	38.3	57.5

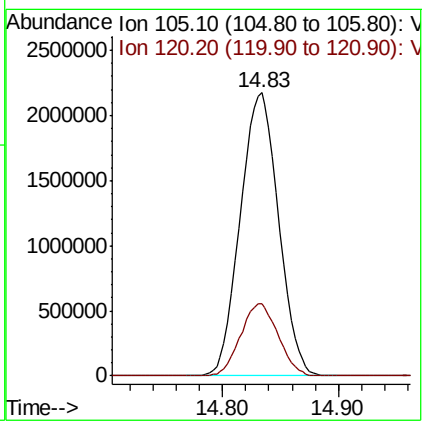


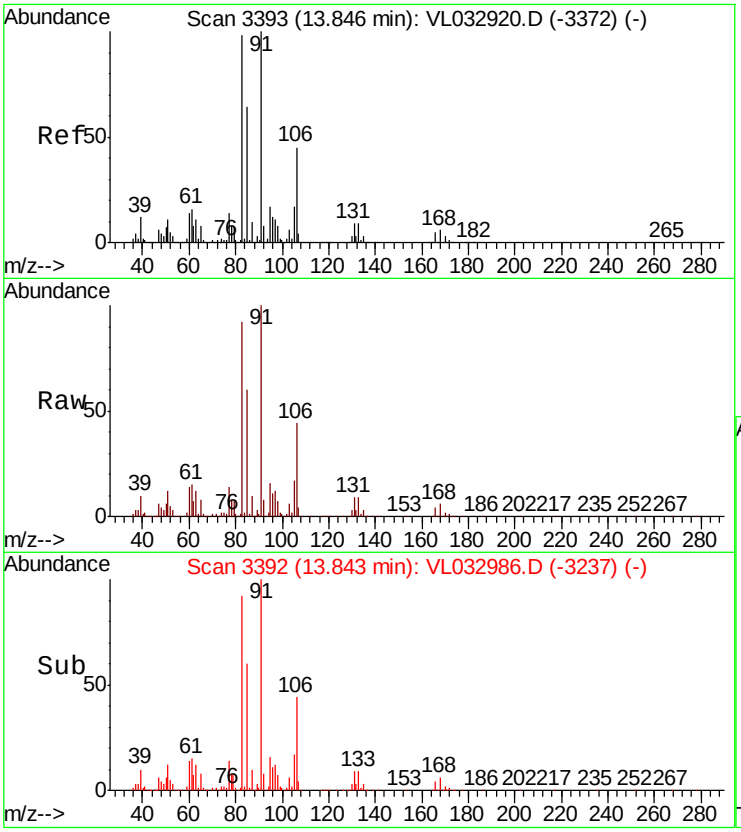


#62
Isopropylbenzene
Concen: 9.174 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:105 Resp: 4992700

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5



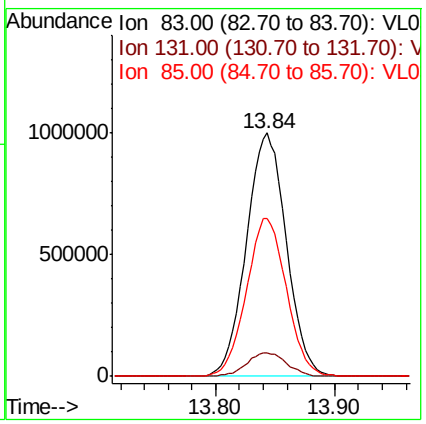


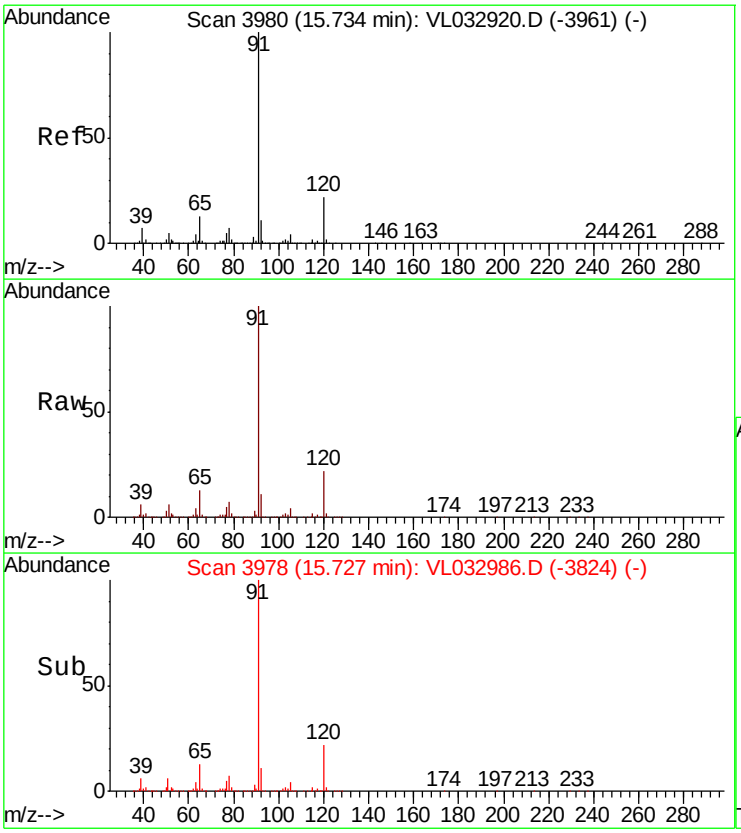
#63
1,1,2,2-Tetrachloroethane
Concen: 7.670 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 83 Resp: 2323232

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	65.0	32.9	98.6

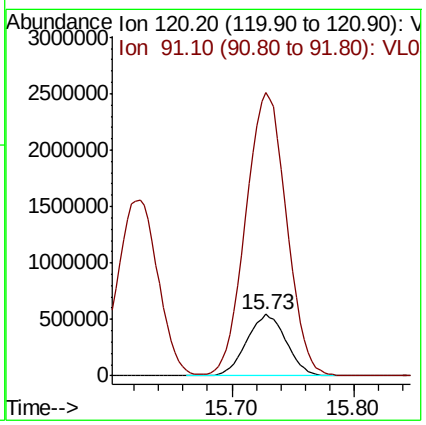


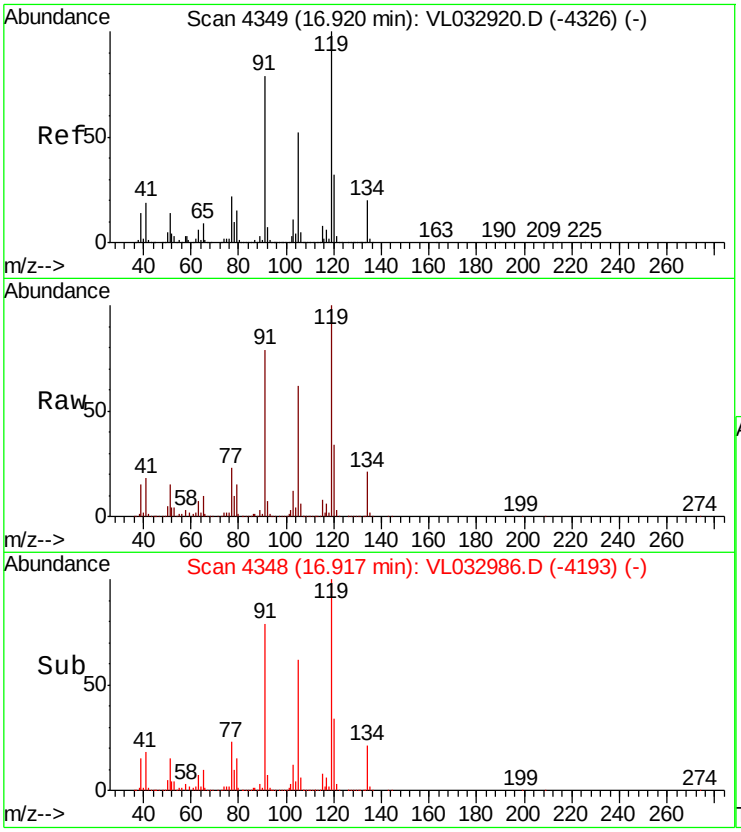


#64
n-propylbenzene
Concen: 8.585 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:120 Resp: 1213506

Ion	Ratio	Lower	Upper
120	100		
91	477.4	380.4	570.6



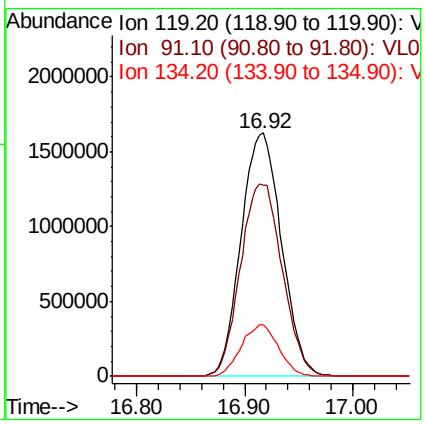


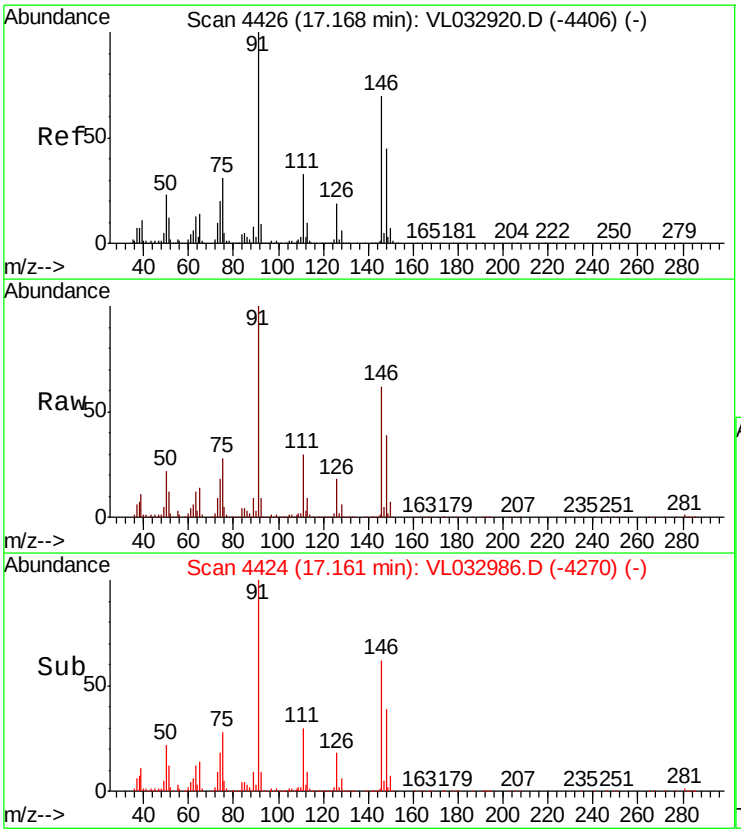
#65
tert-Butylbenzene
Concen: 8.414 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:119 Resp: 4245305

Ion	Ratio	Lower	Upper
119	100		
91	81.8	64.5	96.7
134	19.7	15.7	23.5

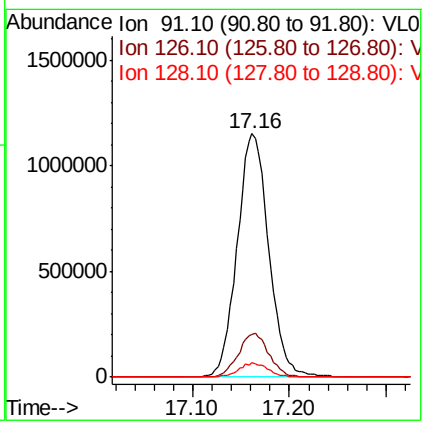


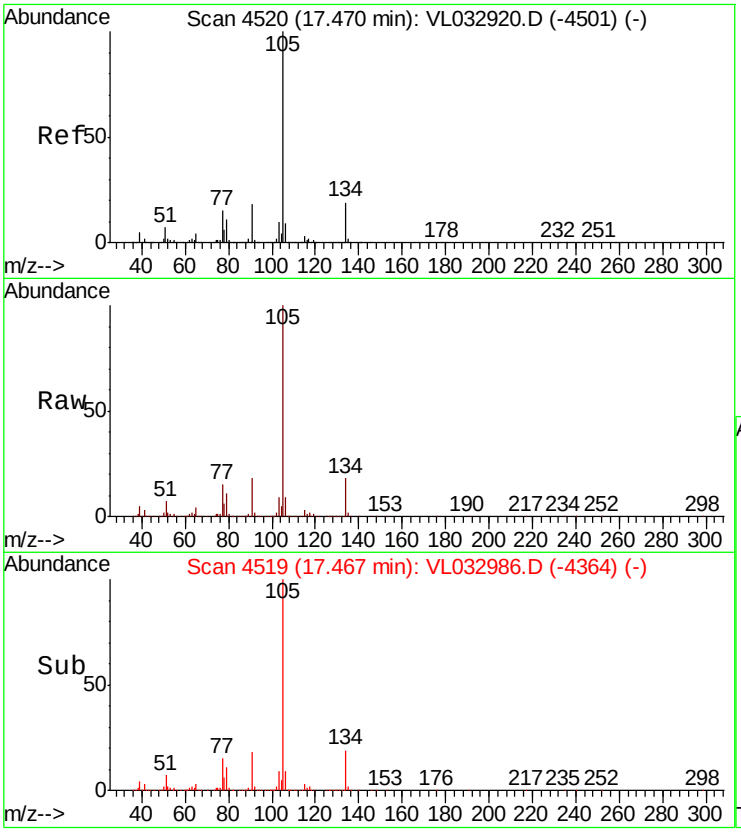


#66
Benzyl Chloride
Concen: 9.309 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 91 Resp: 2603257

Ion	Ratio	Lower	Upper
91	100		
126	17.4	14.1	21.1
128	5.6	4.5	6.7



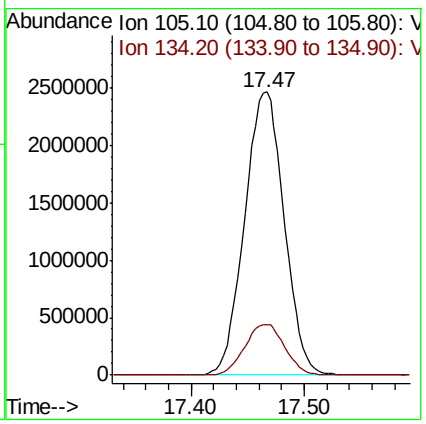


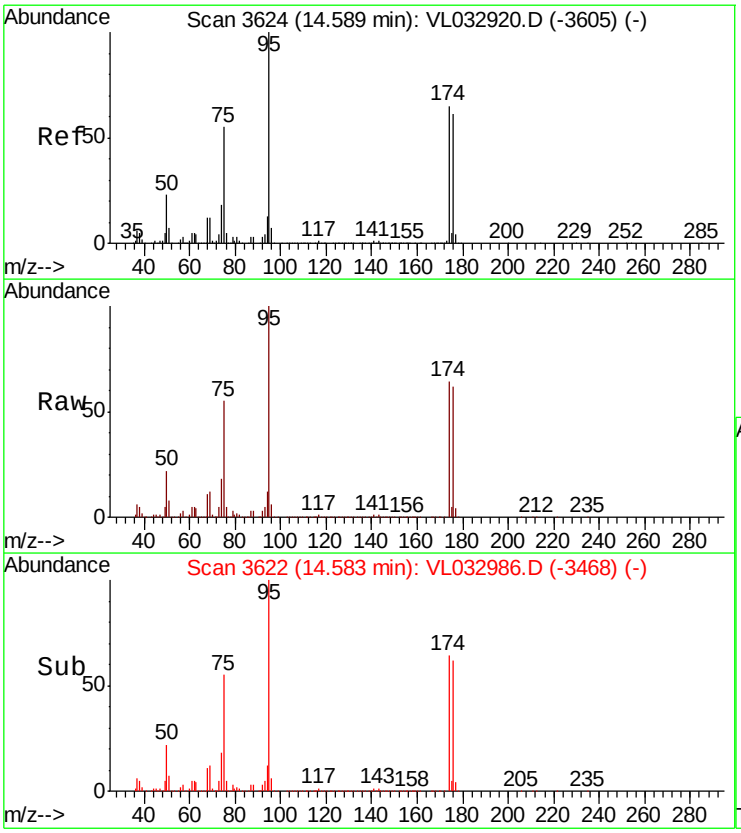
#67
sec-Butylbenzene
Concen: 8.032 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:105 Resp: 5974721

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8

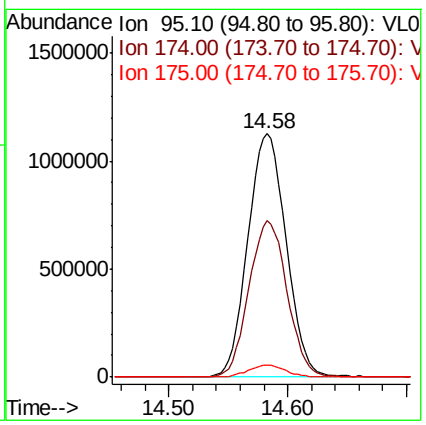


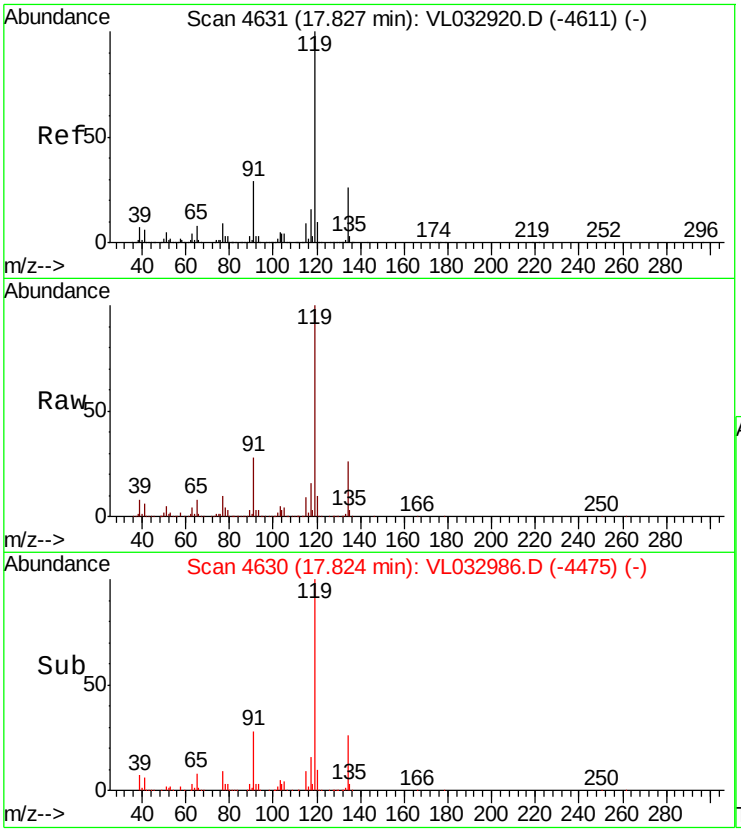


#68
1-Bromo-4-Fluorobenzene
Concen: 8.500 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 95 Resp: 2507934

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.4	77.0
175	4.9	3.8	5.6



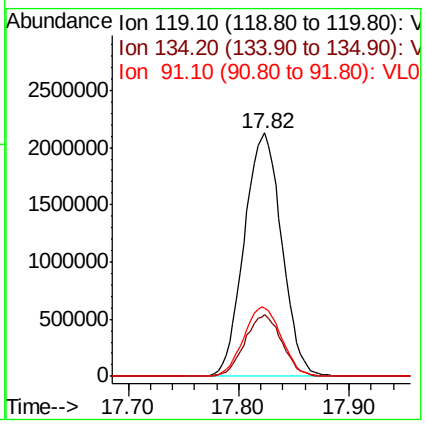


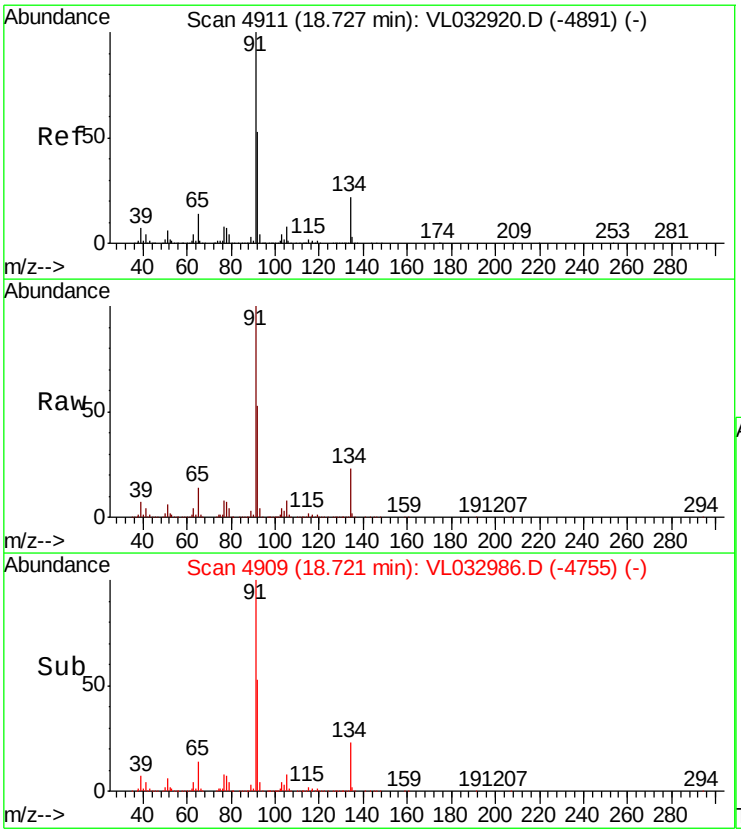
#69
p-Isopropyltoluene
Concen: 8.316 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:119 Resp: 5013032

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.2	30.2
91	28.9	22.9	34.3

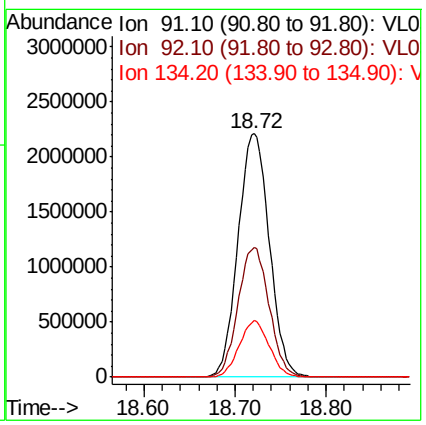


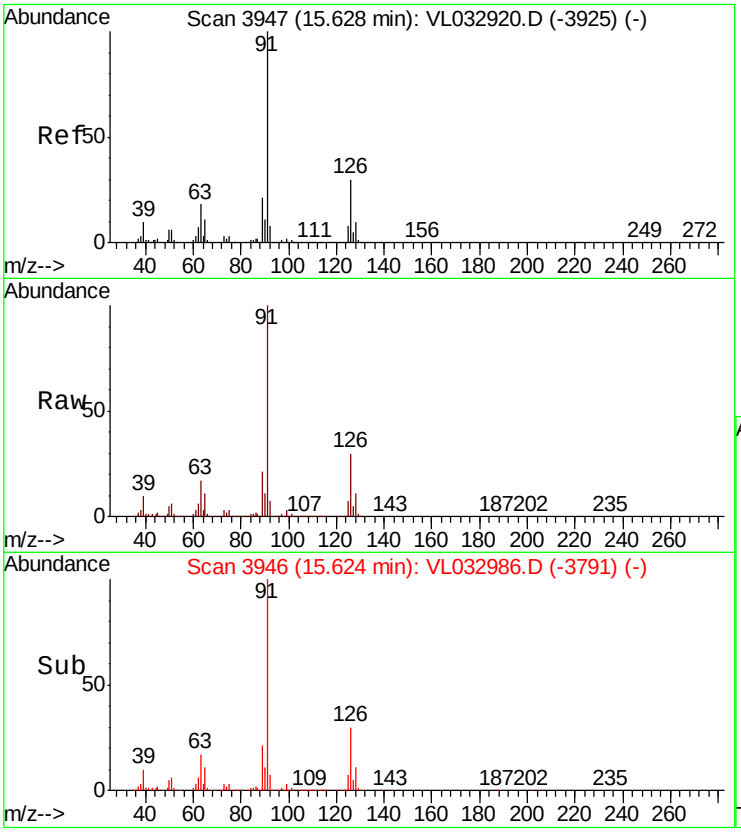


#70
n-Butylbenzene
Concen: 9.533 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion: 91 Resp: 5287405

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.7	64.1
134	22.2	18.0	27.0



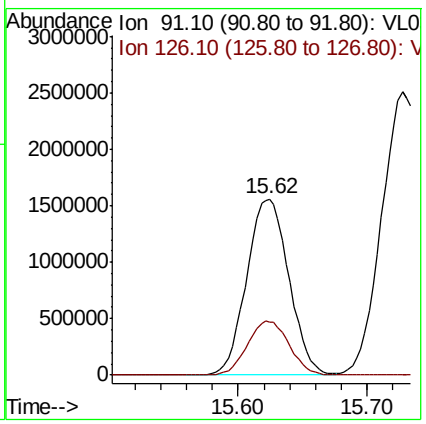


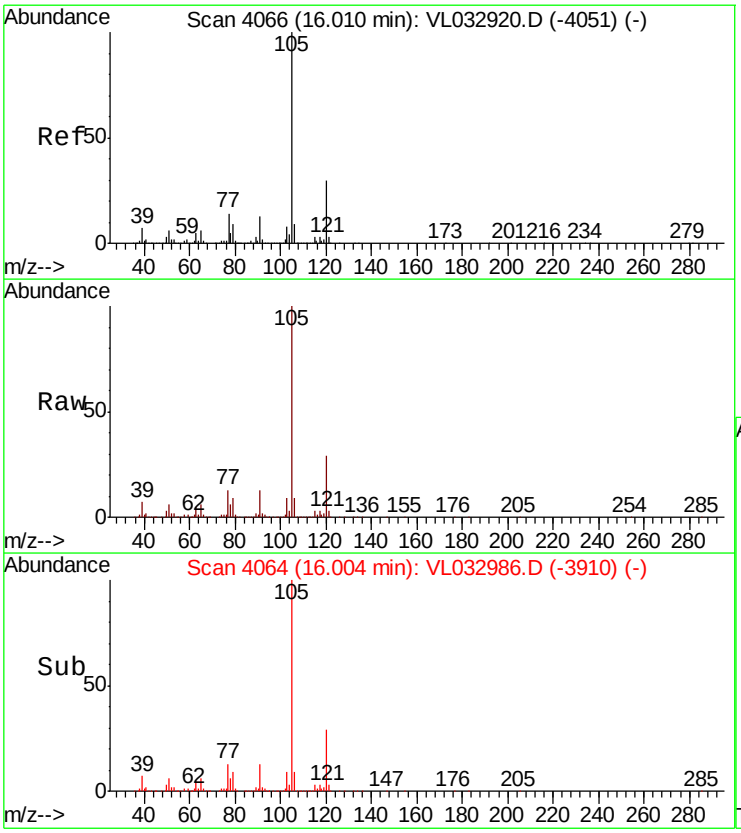
#71
2-Chlorotoluene
Concen: 8.792 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion: 91 Resp: 3558338

Ion	Ratio	Lower	Upper
91	100		
126	30.5	12.3	49.3

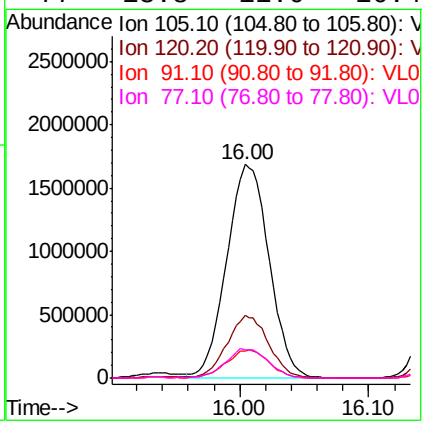


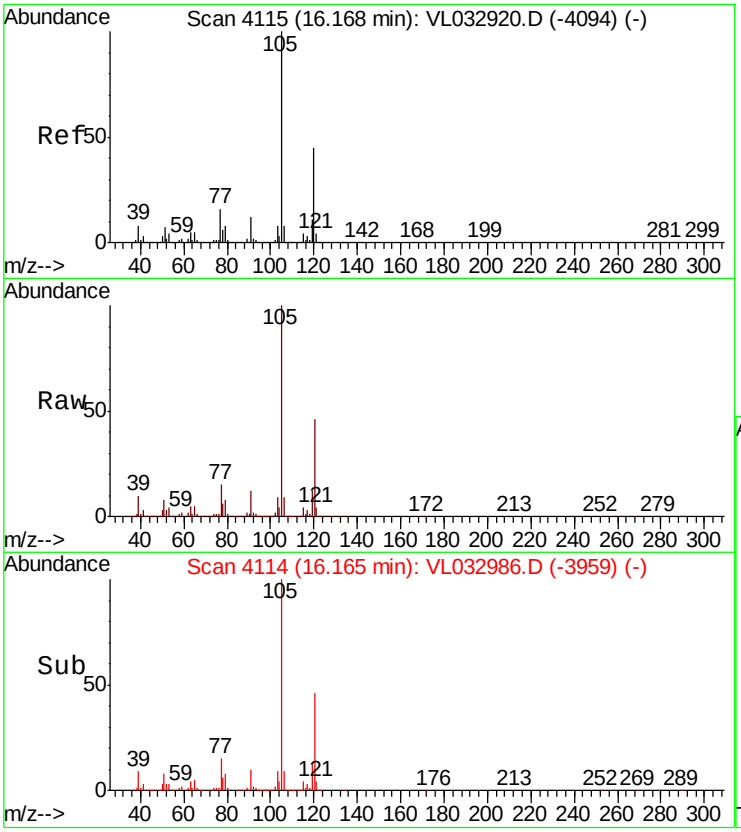


#72
4-Ethyltoluene
Concen: 8.816 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:105 Resp: 3839152

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.0	34.4
91	13.0	10.4	15.6
77	13.8	11.0	16.4



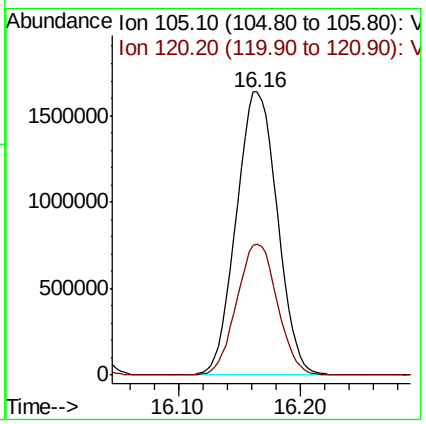


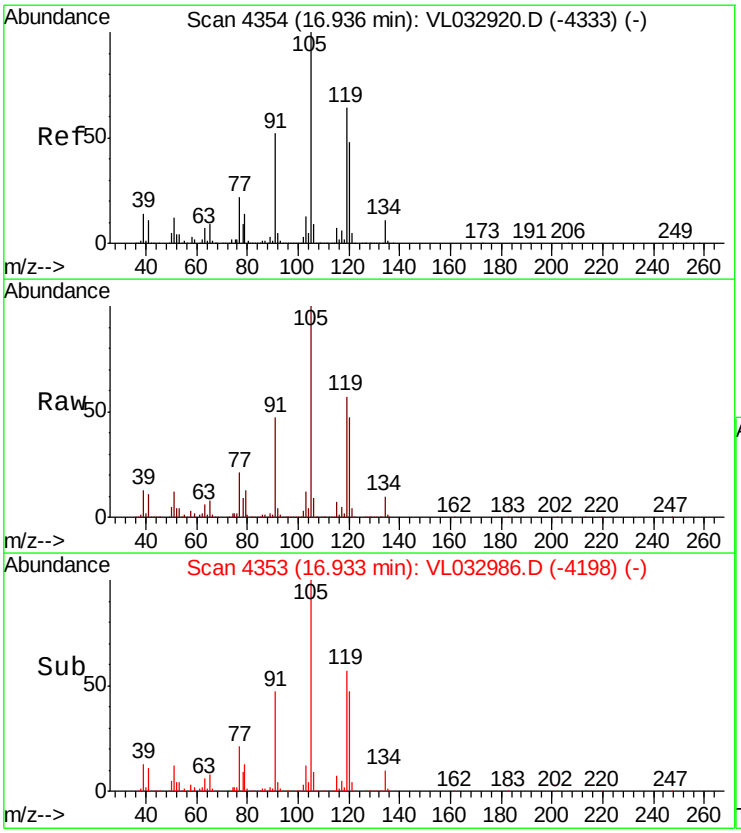
#73
1,3,5-Trimethylbenzene
Concen: 8.934 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:105 Resp: 3798227

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.0	54.0

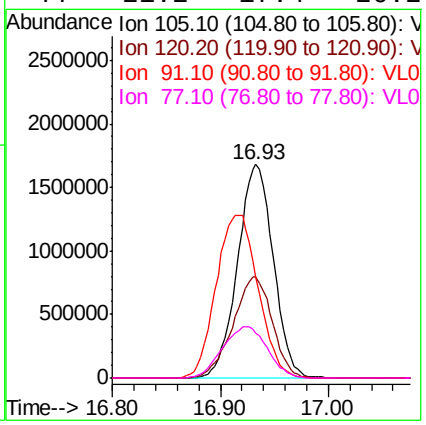


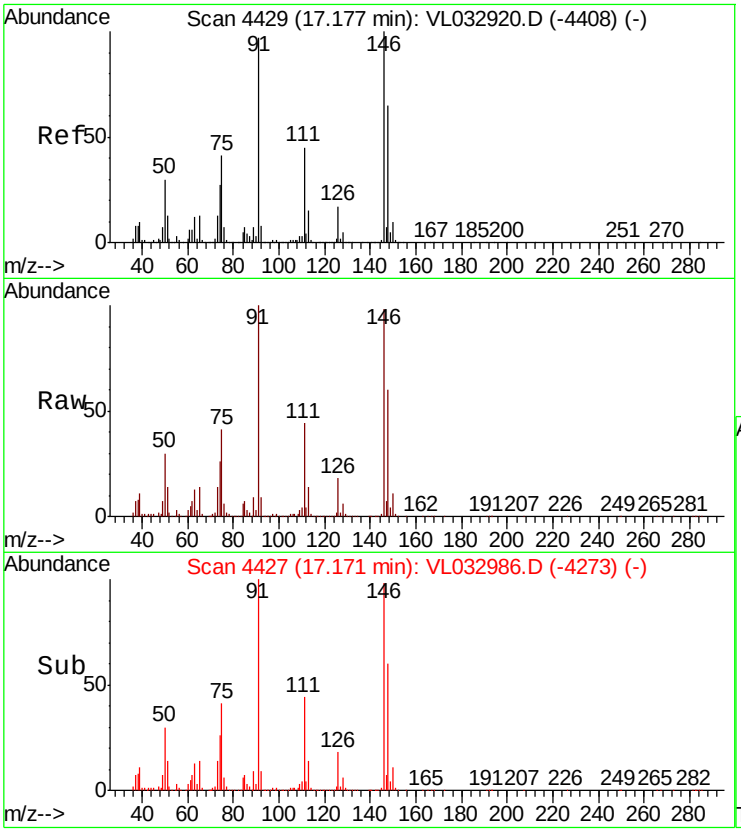


#74
1,2,4-Trimethylbenzene
Concen: 8.053 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:105 Resp: 3865964

Ion	Ratio	Lower	Upper
105	100		
120	47.4	38.6	58.0
91	47.1	41.7	62.5
77	21.2	17.4	26.2



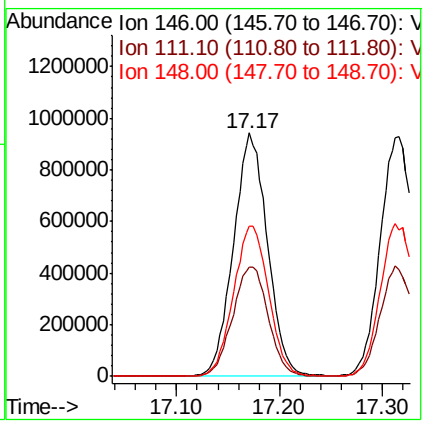


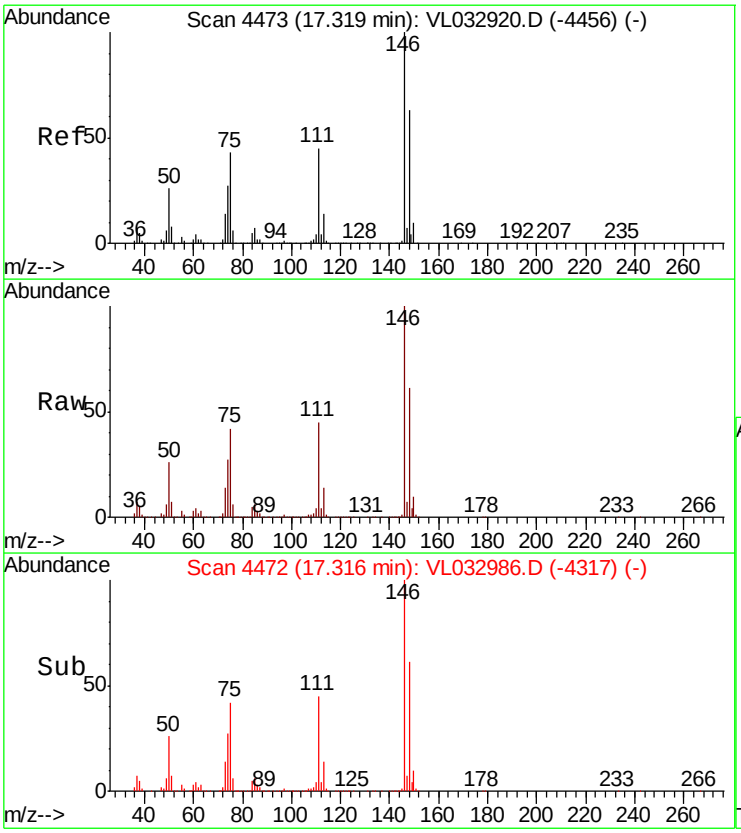
#75
1,3-Dichlorobenzene
Concen: 7.660 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:146 Resp: 2165465

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.6	70.8
148	63.9	32.1	96.3

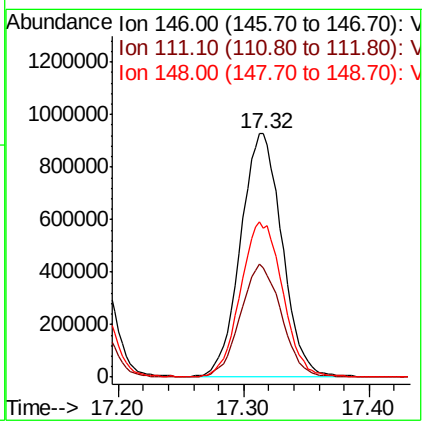


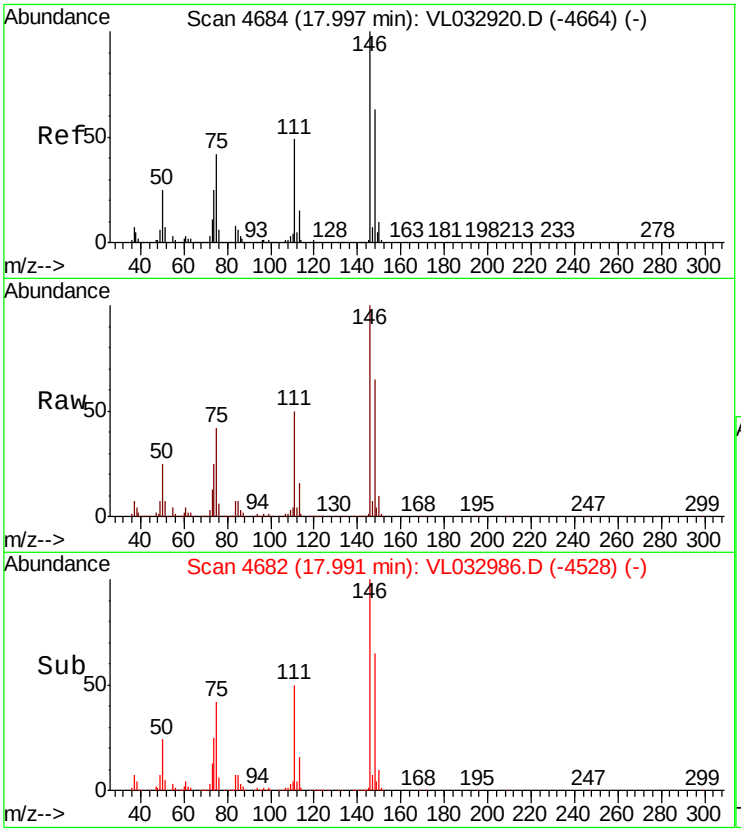


#76
1,4-Dichlorobenzene
Concen: 8.012 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:146 Resp: 2113476

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.4
148	65.5	32.0	96.2



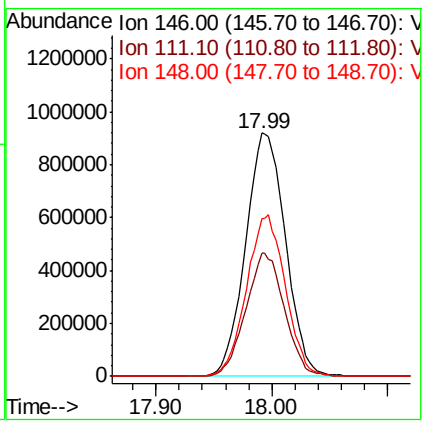


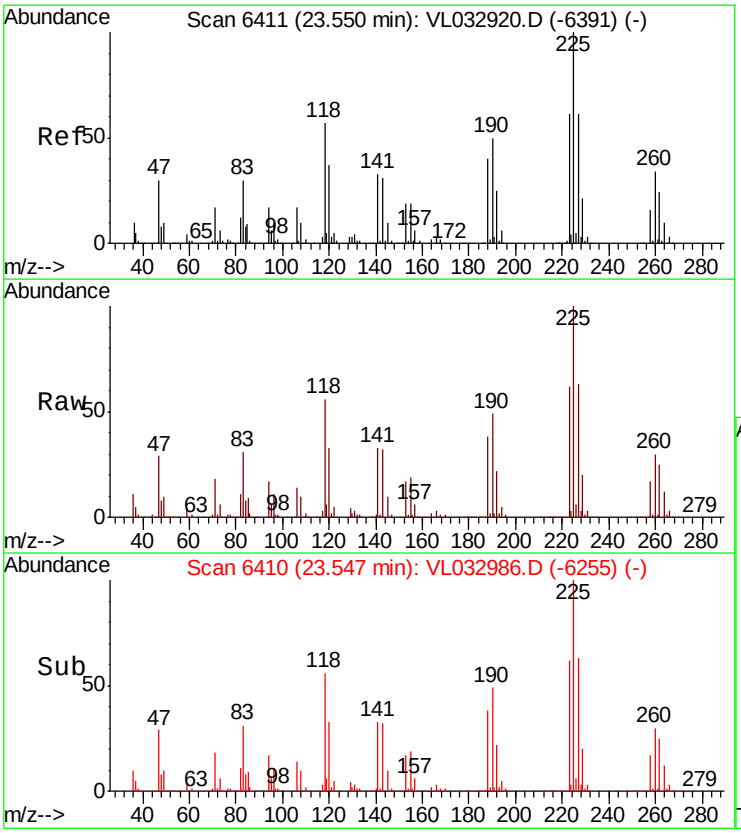
#77
1,2-Dichlorobenzene
Concen: 8.358 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument : MSVOA_L
ClientSampleId : VL1213ABS01

Tgt Ion:146 Resp: 2206347

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.3	72.9
148	64.4	32.0	96.2

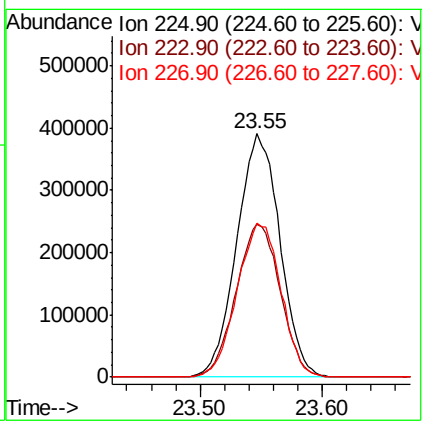


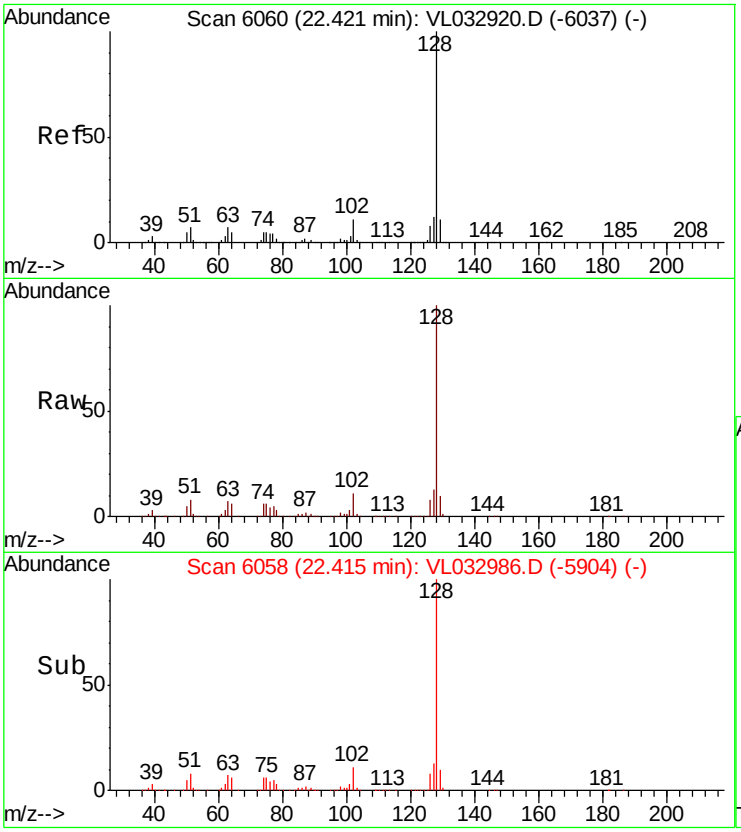


#78
Hexachloro-1,3-Butadiene
Concen: 6.590 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:225 Resp: 956791

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.6	75.8
227	64.1	50.4	75.6



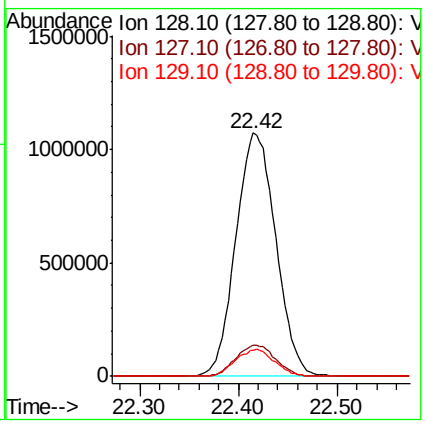


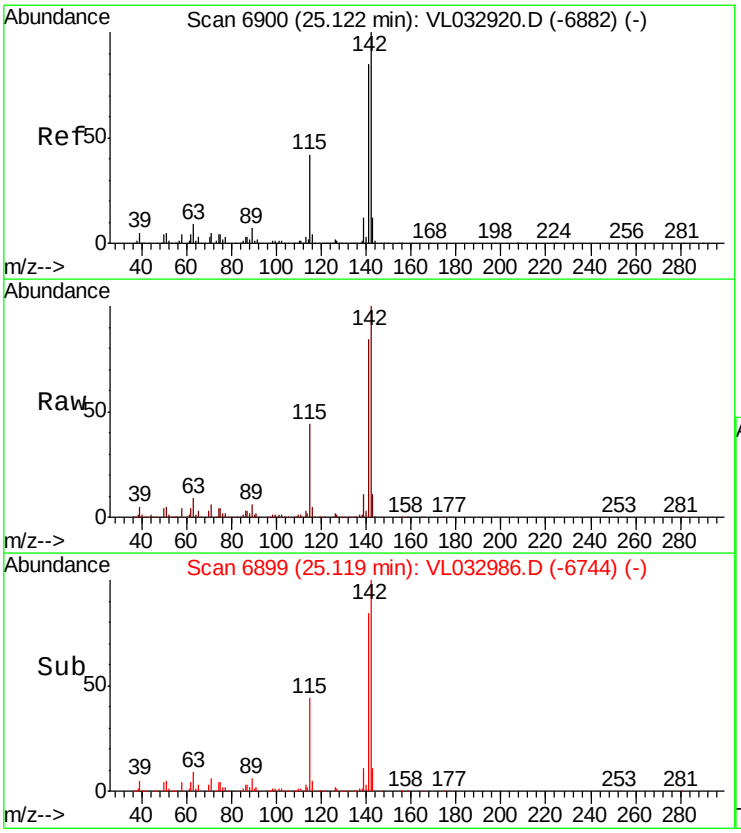
#79
Naphthalene
Concen: 9.707 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:128 Resp: 3008817

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.5	8.6	13.0

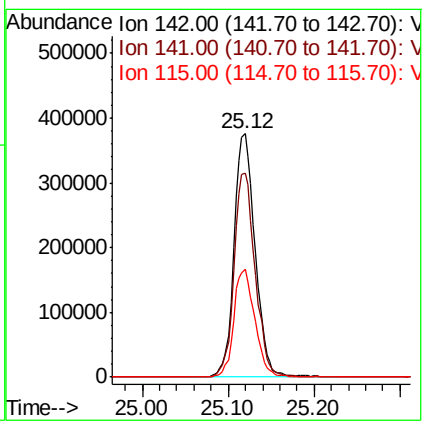


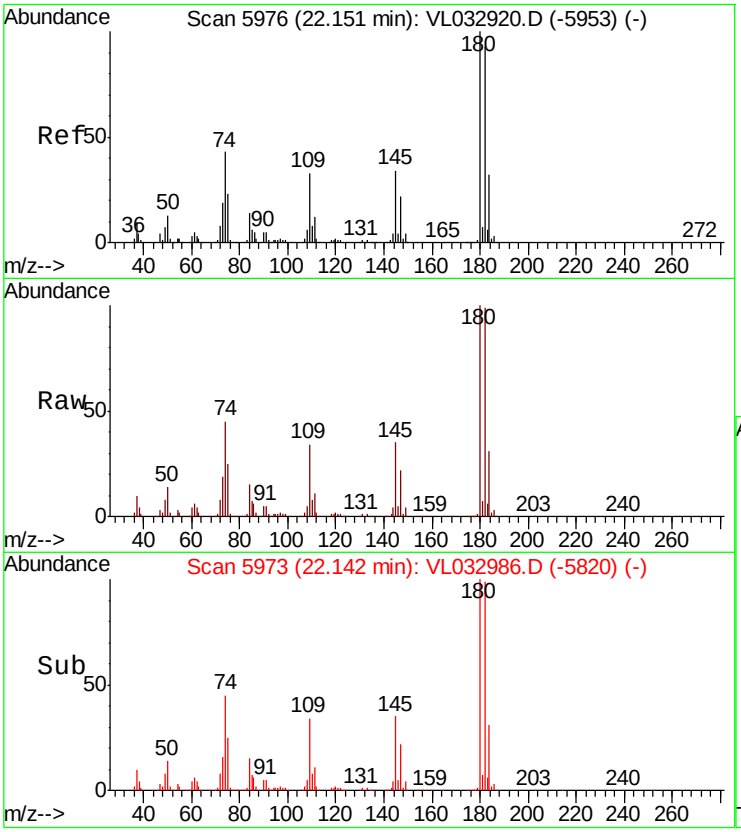


#80
Naphthalene,2-methyl-
Concen: 9.647 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Tgt Ion:142 Resp: 638918

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.2	102.2
115	44.4	35.1	52.7





#81
1,2,4-Trichlorobenzene
Concen: 8.801 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.01 min
Lab File: VL032986.D
Acq: 13 Dec 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VL1213ABS01

Tgt Ion:180 Resp: 1446835

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.6
184	30.2	24.3	36.5