Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032927.D
Acq On : 7 Dec 2018 8:30
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Quant Time: Dec 08 01:56:40 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	1175423	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3341277	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3525077	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2395610	9.20	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1517605	9.672	ppbv		99
3) Chlorodifluoromethane	3.02	51	892389	10.025	ppbv		97
4) Chloromethane	3.17	50	500555	9.658	ppbv		95
5) Vinyl Chloride	3.29	62	507943	9.632	ppbv		99
6) Bromomethane	3.52	94	333644	10.116	ppbv		95
7) Chloroethane	3.60	64	192929	10.208	ppbv		96
8) Dichlorotetrafluoroethane	3.22	85	1266962	9.716	ppbv		98
9) Propene	3.04	41	387005	10.995	ppbv		97
10) Heptane	8.25	43	1541956	11.662	ppbv		99
11) Trichlorofluoromethane	4.01	101	1438892	9.733	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1036836	8.220	ppbv		99
13) Ethanol	3.65	45	87268	7.201	ppbv		96
14) Bromoethene	3.79	108	427051	10.198	ppbv		99
15) Acetone	3.90	43	900470	8.925	ppbv		98
16) 1,3-Butadiene	3.37	39	410054	10.244	ppbv		94
17) tert-Butyl alcohol	4.36	59	248033	9.656	ppbv	#	81
18) 1,1-Dichloroethene	4.35	96	454652	9.204	ppbv		97
19) Isopropyl Alcohol	4.03	45	659563	10.410	ppbv	#	99
20) Methylene Chloride	4.41	84	422470	8.568	ppbv		98
21) Allyl Chloride	4.48	41	755557	9.189	ppbv		97
22) trans-1,2-Dichloroethene	4.97	96	602902	9.834	ppbv		96
23) Vinyl Acetate	5.16	43	2252839	13.188	ppbv		99
24) 1,1-Dichloroethane	5.10	63	1688443	11.367	ppbv		99
25) Ethyl Acetate	5.77	43	2357865	9.893	ppbv		99
26) Hexane	5.79	57	1083334	9.845	ppbv		98
27) Carbon Disulfide	4.62	76	1211295	8.804	ppbv		99
28) Methyl tert-Butyl Ether	5.12	73	2131023	12.895	ppbv		100
29) Chloroform	5.86	83	1712309	8.721	ppbv		96
30) Cyclohexane	7.25	84	1078330	11.824	ppbv		100
31) cis-1,2-Dichloroethene	5.64	61	1128167	11.173	ppbv		99
32) 1,1,1-Trichloroethane	6.62	97	2108106	10.148	ppbv		99
34) 2-Butanone	5.33	43	1406325	9.663	ppbv		99
35) Carbon Tetrachloride	7.14	117	2279112	8.678	ppbv		98
36) Benzene	7.01	78	2539493	10.333	ppbv		97
37) 1,2-Dichloroethane	6.42	62	1597464	9.547	ppbv		98
38) Trichloroethene	7.97	130	1025415	10.026	ppbv		99
39) 1,2-Dichloropropane	7.74	63	938231	10.066	ppbv		96
40) 1,4-Dioxane	7.96	88	334651	9.748	ppbv	#	97
41) Tetrahydrofuran	6.15	42	946323	10.455	ppbv		100
42) Bromodichloromethane	7.92	83	2202108	9.499	ppbv		98
43) Methyl Methacrylate	8.14	69	997025	10.949	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032927.D
Acq On : 7 Dec 2018 8:30
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Quant Time: Dec 08 01:56:40 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	8.00	57	4209964	10.092	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1364730	12.223	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1571616	11.500	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1059857	10.331	ppbv		98
48) Dibromochloromethane	10.46	129	1943363	10.098	ppbv		100
49) Bromoform	13.21	173	1634661	10.327	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	2416994	10.385	ppbv		100
51) 2-Hexanone	10.28	43	1835490	11.629	ppbv	#	99
52) Tetrachloroethene	11.38	164	900166	10.070	ppbv		97
53) Toluene	9.95	91	2796118	10.728	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1645509	10.268	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1374025	8.743	ppbv		98
57) Chlorobenzene	12.31	112	2248265	8.831	ppbv		100
58) Ethyl Benzene	12.87	91	3948990	10.501	ppbv		98
59) m/p-Xylene	13.15	91	2768668	8.121	ppbv	#	100
60) o-Xylene	13.86	91	3168007	9.201	ppbv		99
61) Styrene	13.70	104	2395233	10.458	ppbv		99
62) Isopropylbenzene	14.84	105	4619527	9.617	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2180009	8.154	ppbv		100
64) n-propylbenzene	15.73	120	1191113	9.547	ppbv		97
65) tert-Butylbenzene	16.92	119	4083984	9.171	ppbv		100
66) Benzyl Chloride	17.16	91	2425587	9.827	ppbv		99
67) sec-Butylbenzene	17.47	105	6249475	9.518	ppbv		100
69) p-Isopropyltoluene	17.83	119	5160131	9.698	ppbv		100
70) n-Butylbenzene	18.72	91	4880777	9.970	ppbv		100
71) 2-Chlorotoluene	15.62	91	3420166	9.574	ppbv		99
72) 4-Ethyltoluene	16.01	105	4039991	10.510	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3849298	10.258	ppbv		99
74) 1,2,4-Trimethylbenzene	16.94	105	3697920	8.727	ppbv		94
75) 1,3-Dichlorobenzene	17.18	146	2094066	8.392	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	2065409	8.871	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	2225756	9.552	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1285726	10.033	ppbv		99
79) Naphthalene	22.42	128	3108481	11.362	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	870229	14.887	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1544861	10.647	ppbv		100

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

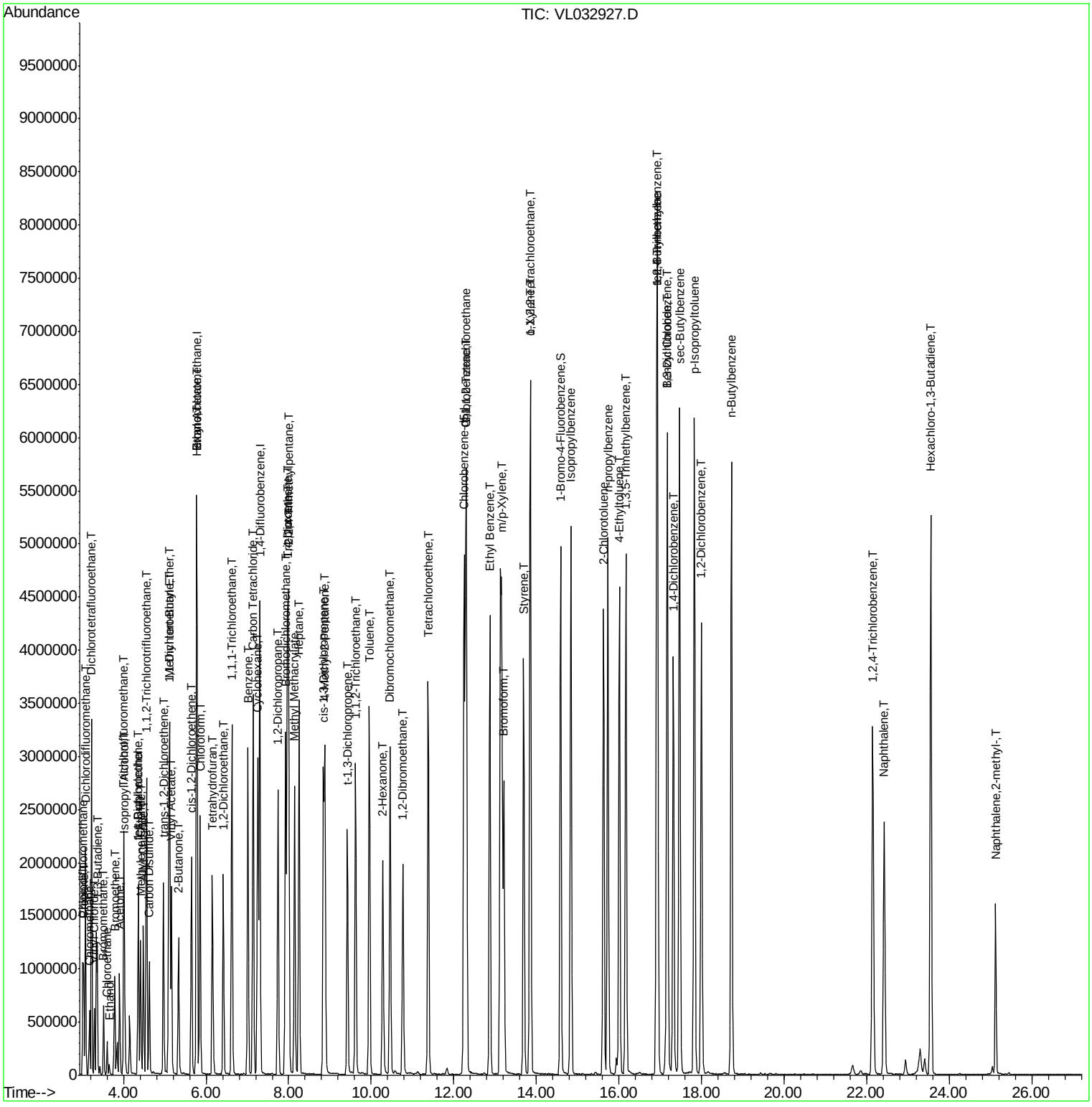
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

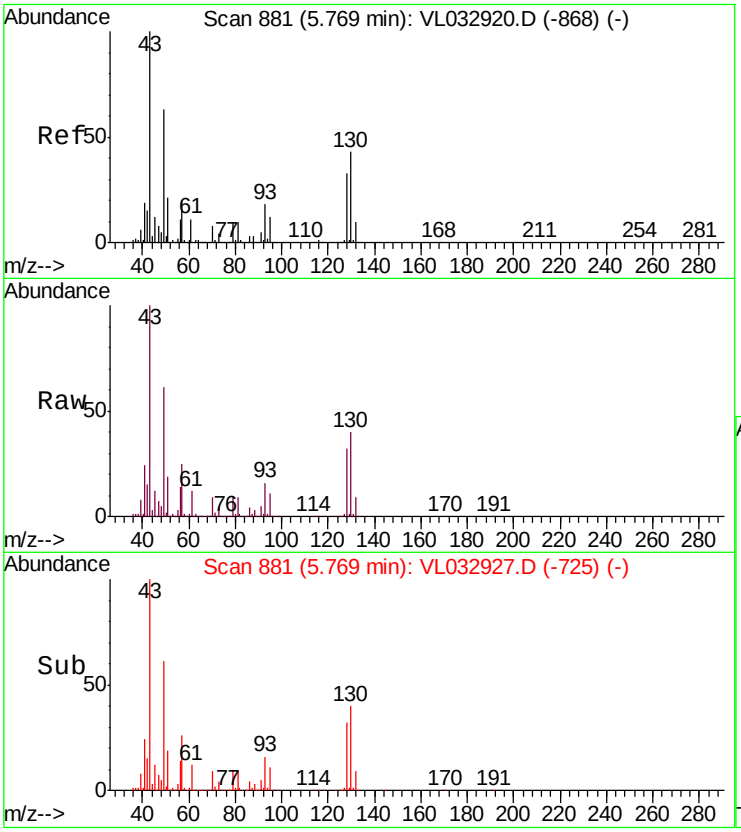
Quantitation Report (Not Reviewed)

Data File : VL032927.D
Acq On : 7 Dec 2018 8:30
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Quant Time: Dec 08 01:56:40 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



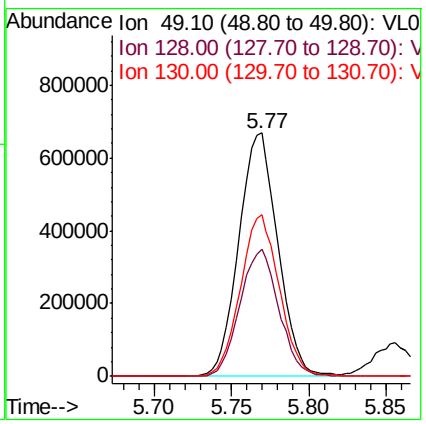


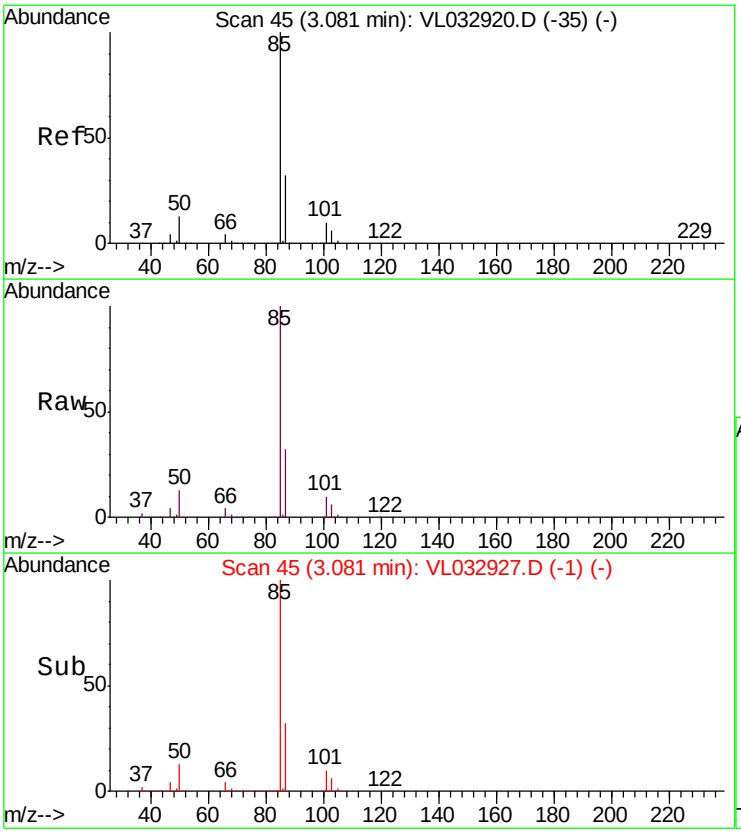
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 49 Resp: 1175423

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.3	78.8
130	66.3	33.9	101.7

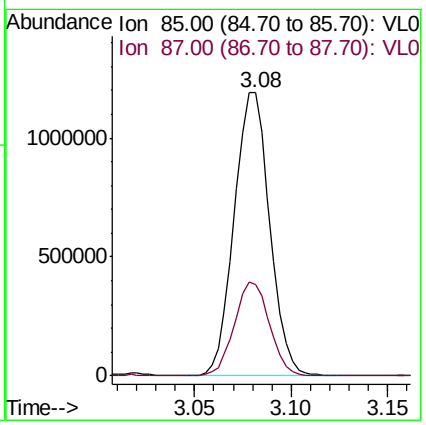


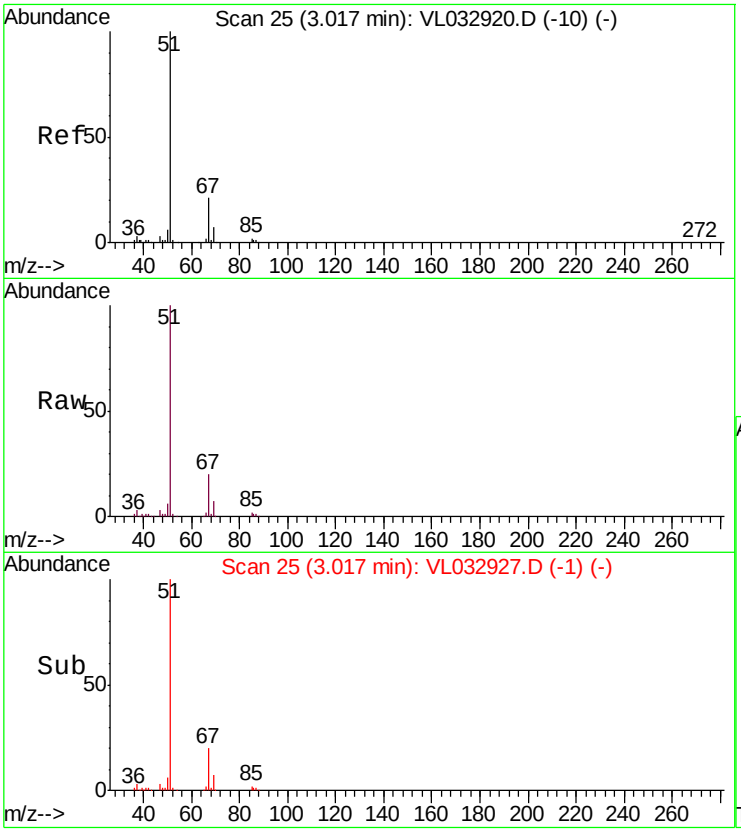


#2
Dichlorodifluoromethane
Concen: 9.672 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 85 Resp: 1517605

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.7	38.5



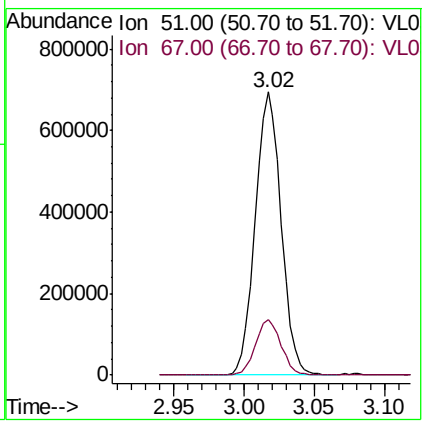


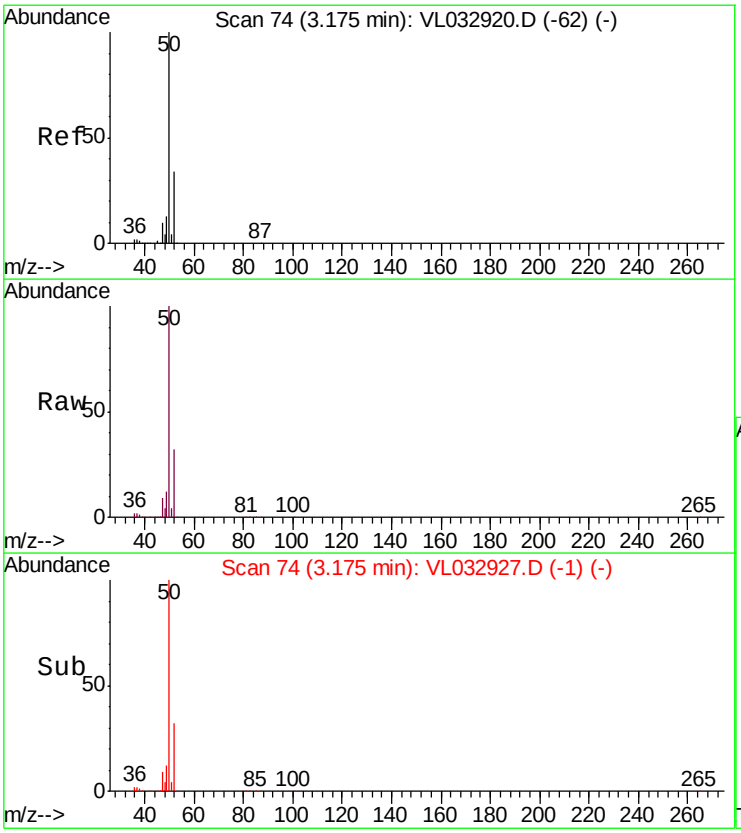
#3
Chlorodifluoromethane
Concen: 10.025 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 51 Resp: 892389

Ion	Ratio	Lower	Upper
51	100		
67	19.5	16.8	25.2

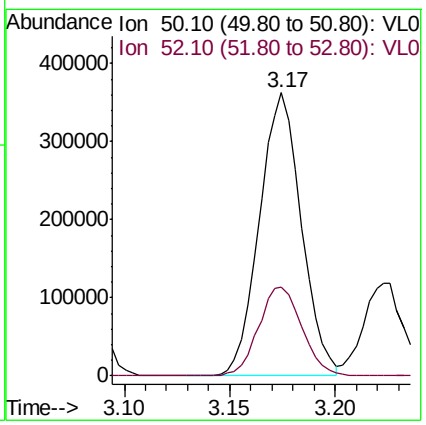


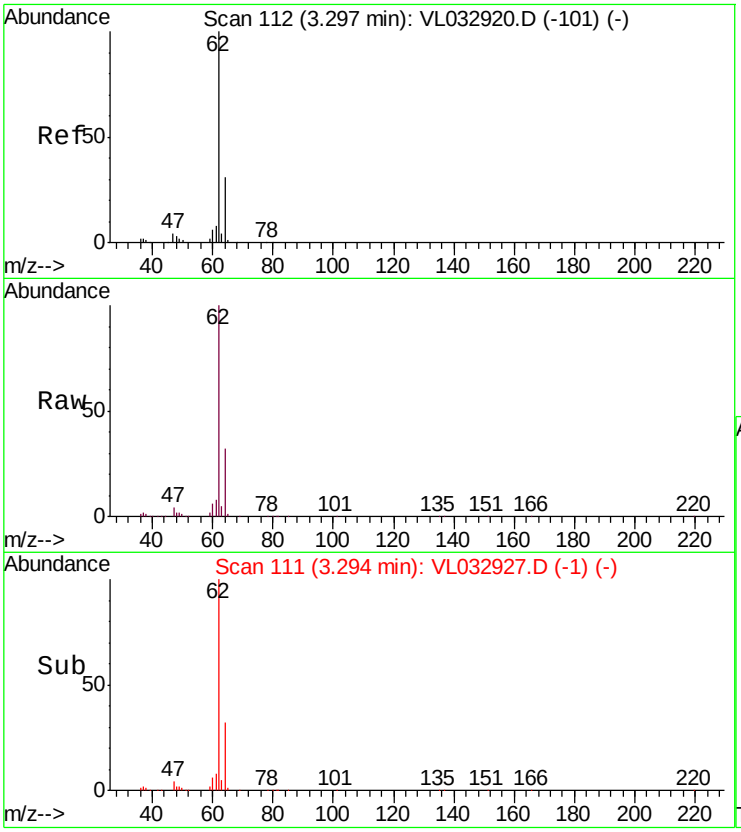


#4
Chloromethane
Concen: 9.658 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 50 Resp: 500555

Ion	Ratio	Lower	Upper
50	100		
52	31.5	27.3	40.9



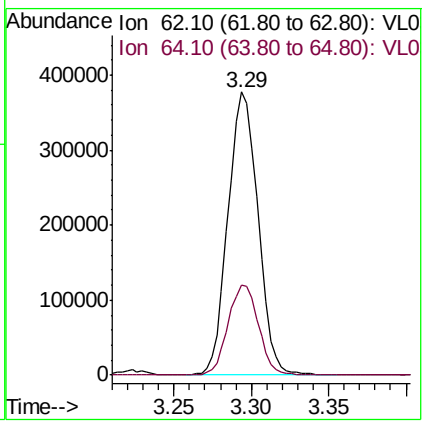


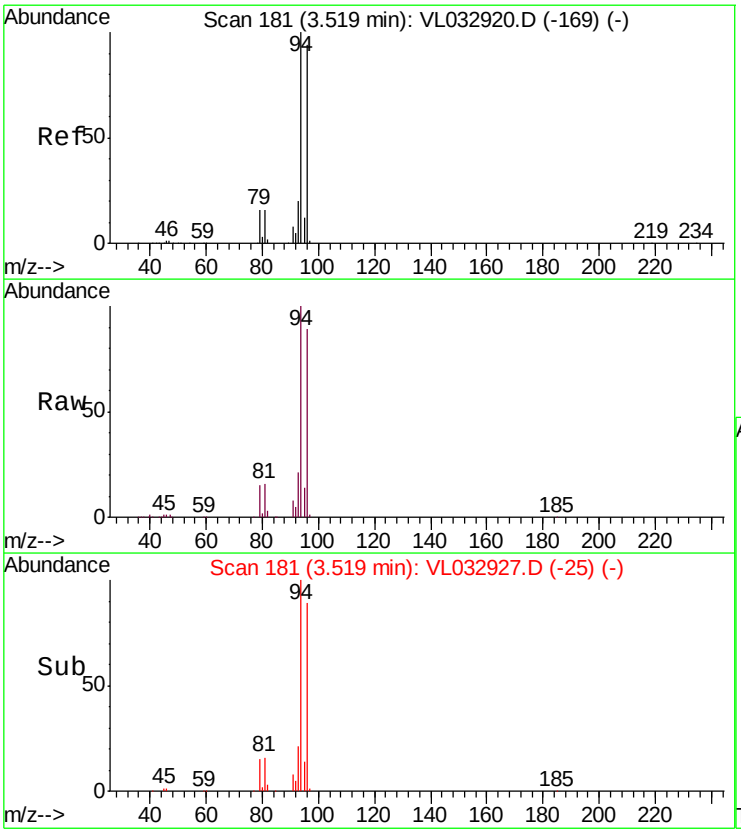
#5
Vinyl Chloride
Concen: 9.632 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 62 Resp: 507943

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.8	37.2

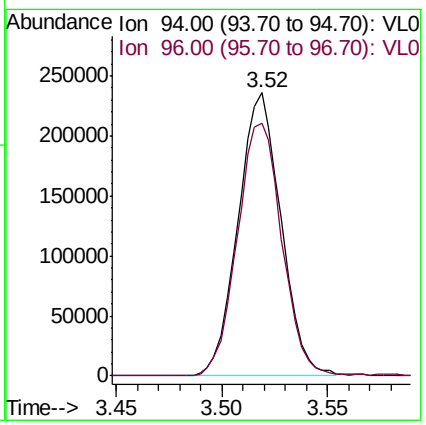


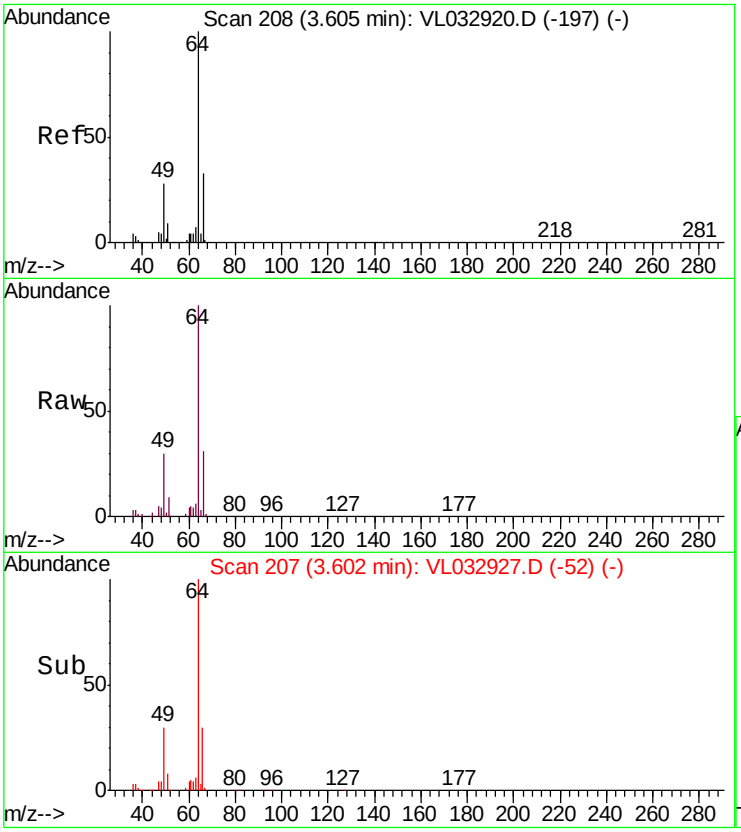


#6
Bromomethane
Concen: 10.116 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 94 Resp: 333644

Ion	Ratio	Lower	Upper
94	100		
96	89.3	75.5	113.3



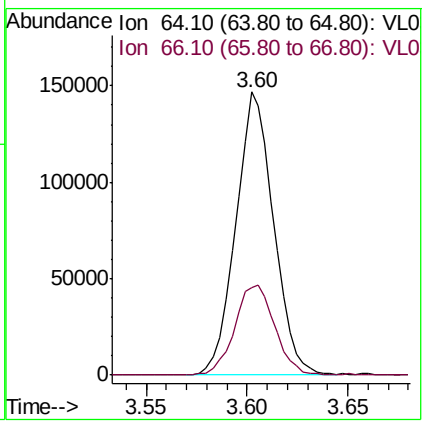


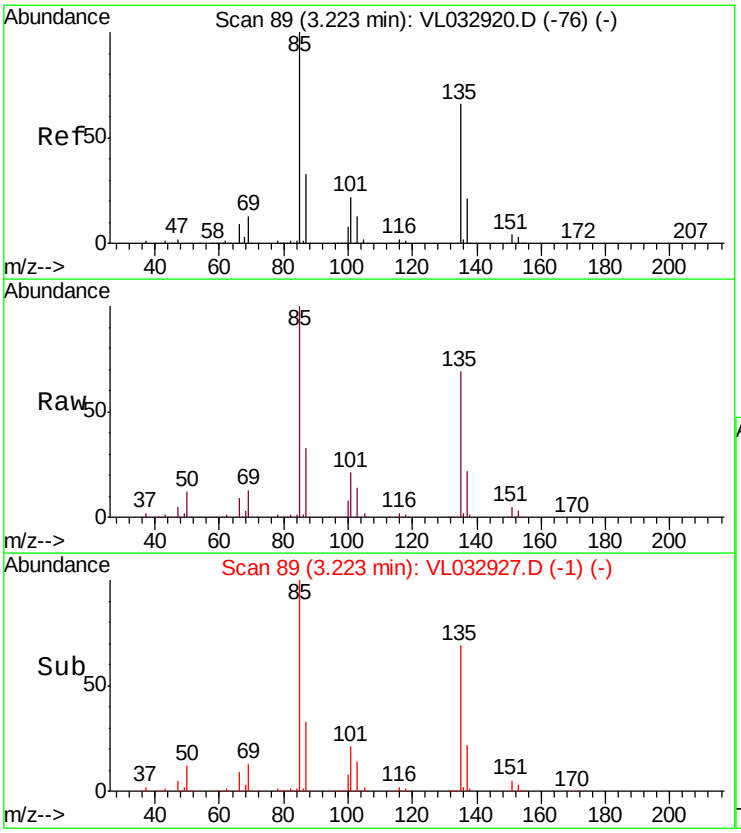
#7
Chloroethane
Concen: 10.208 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 64 Resp: 192929

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.6	40.0

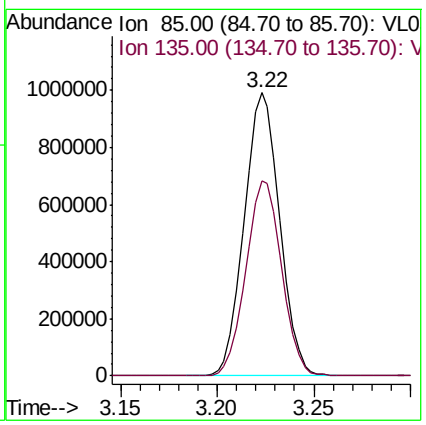


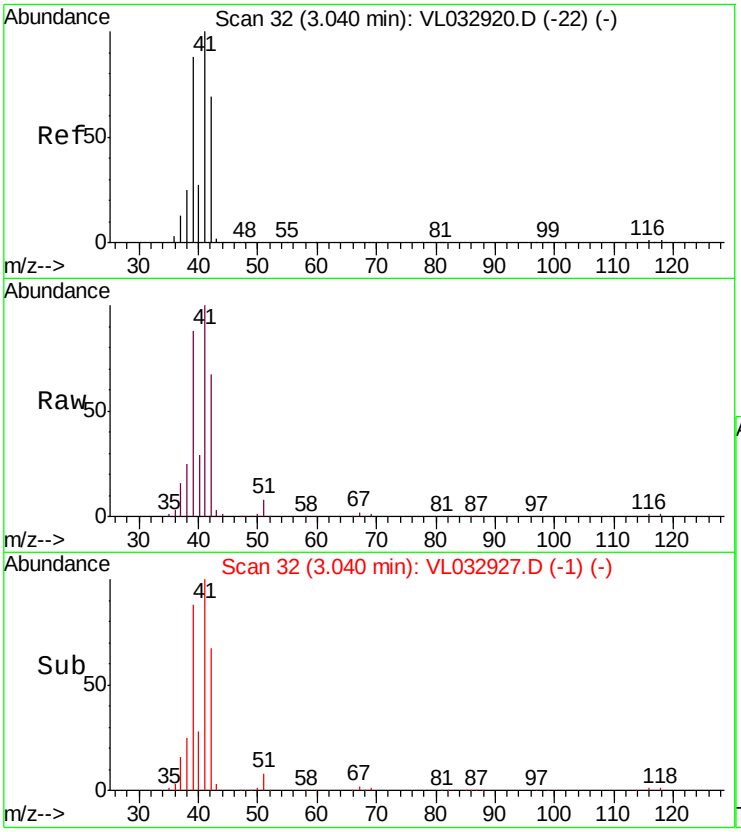


#8
Dichlorotetrafluoroethane
Concen: 9.716 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 85 Resp: 1266962

Ion	Ratio	Lower	Upper
85	100		
135	69.6	54.5	81.7



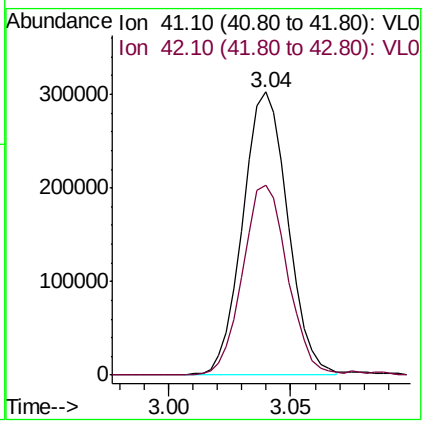


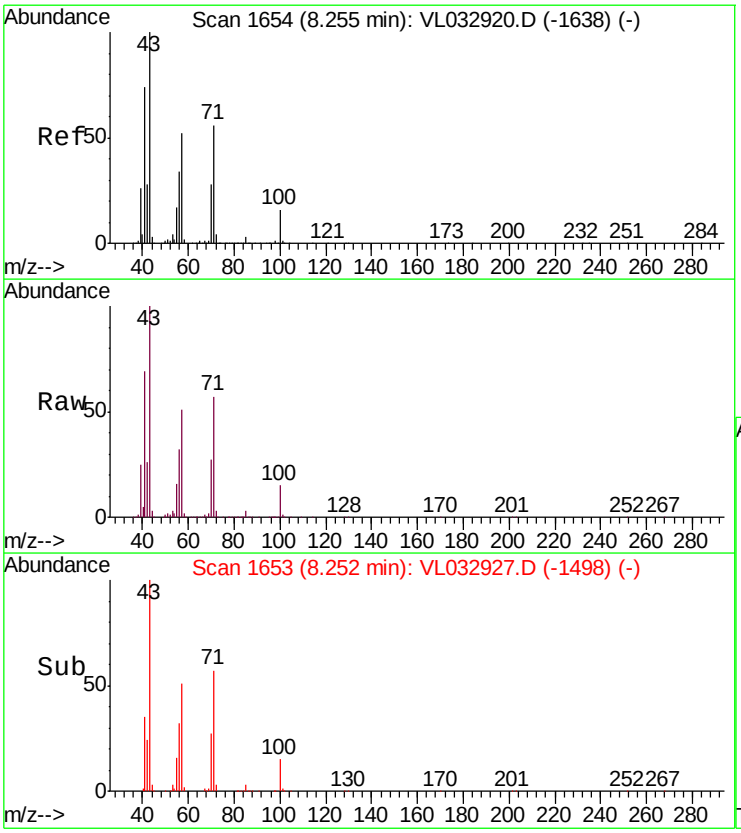
#9
Propene
Concen: 10.995 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 41 Resp: 387005

Ion	Ratio	Lower	Upper
41	100		
42	67.9	56.2	84.2

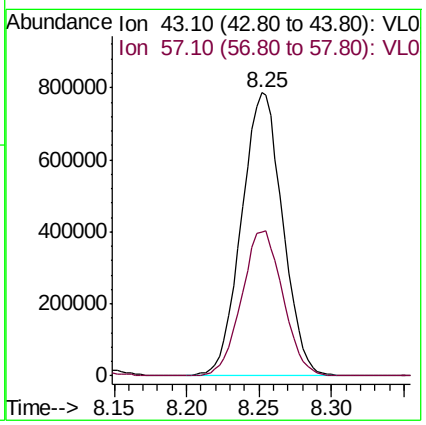


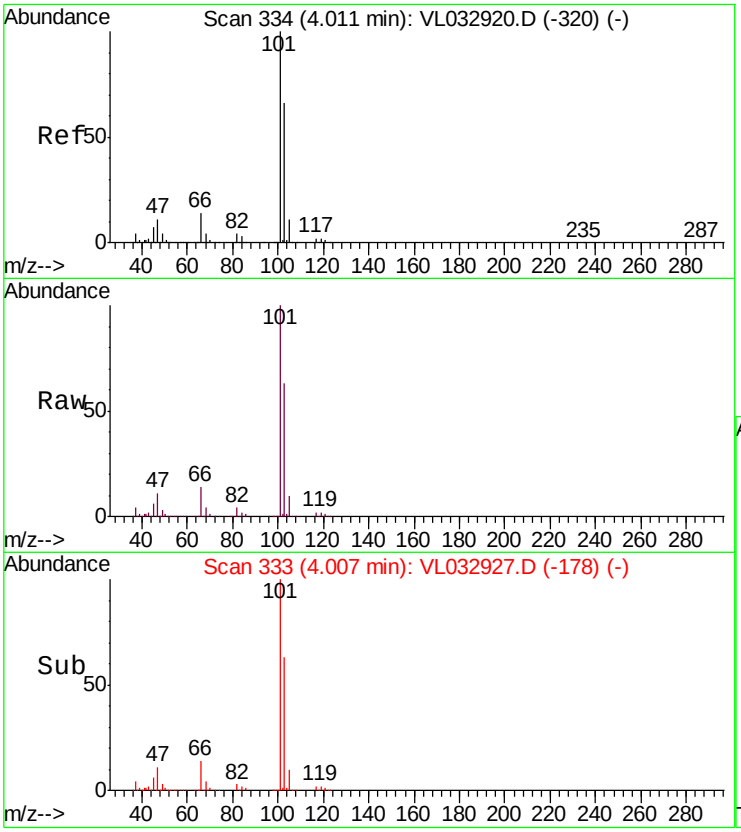


#10
Heptane
Concen: 11.662 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 43 Resp: 1541956

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.8	62.6



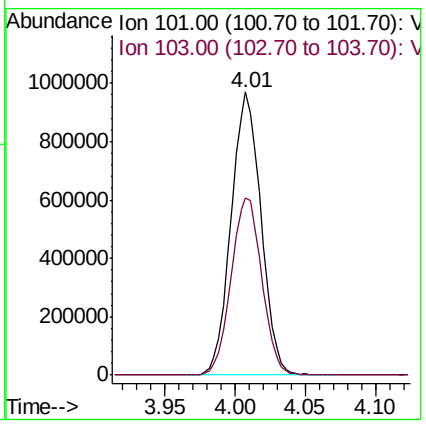


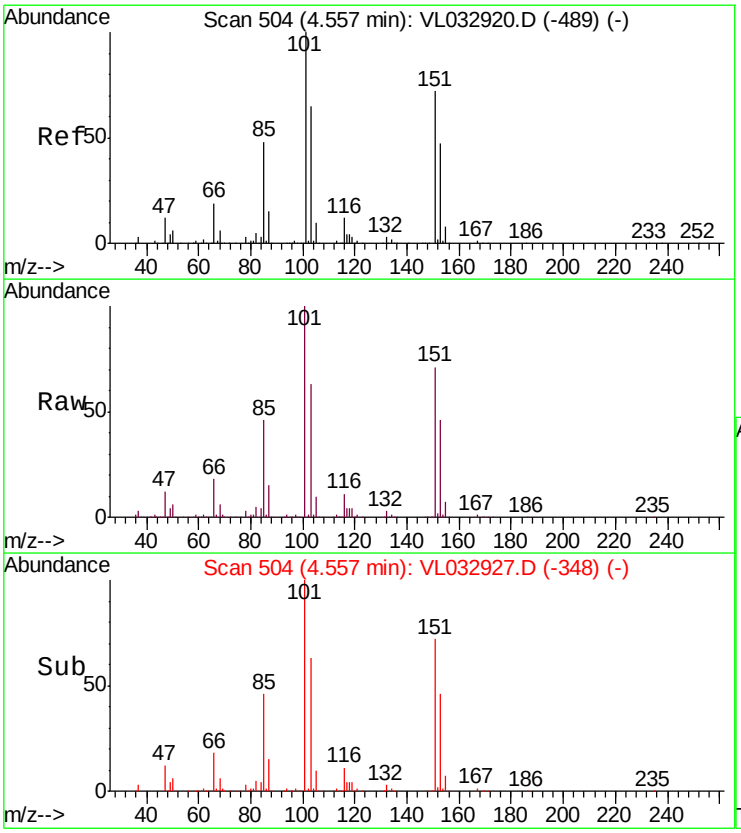
#11
Trichlorofluoromethane
Concen: 9.733 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:101 Resp: 1438892

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.7	79.1

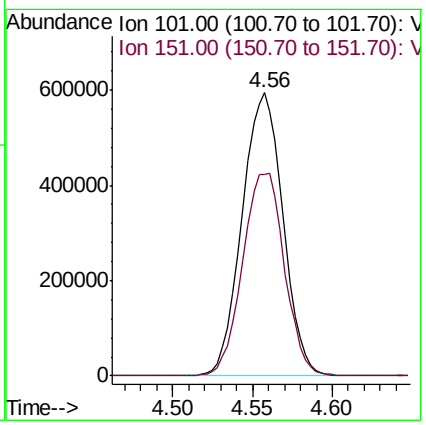


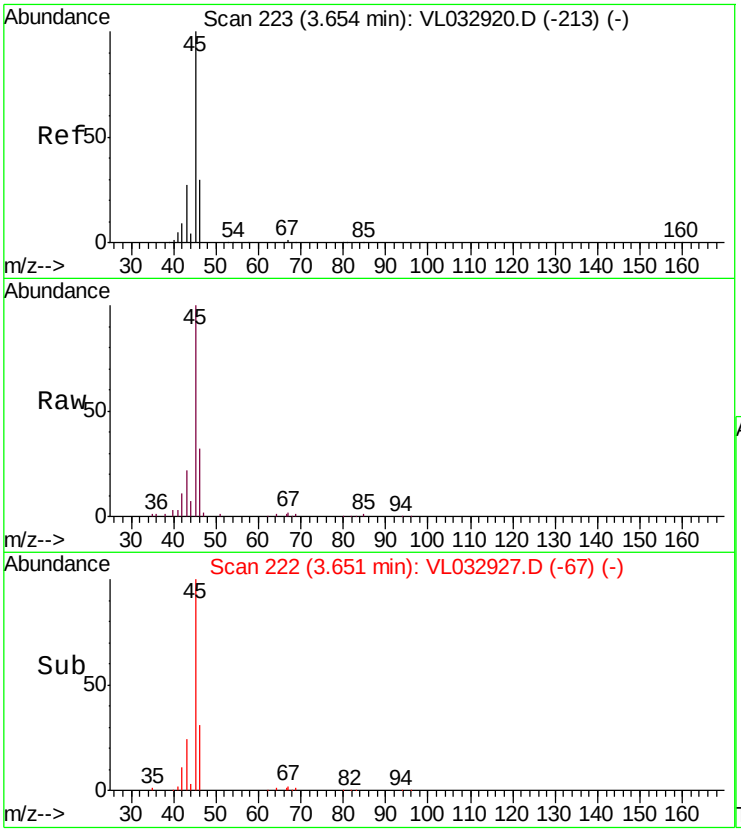


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.220 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:101 Resp: 1036836

Ion	Ratio	Lower	Upper
101	100		
151	73.4	59.3	88.9



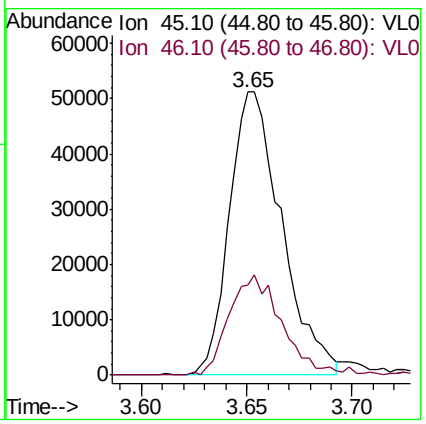


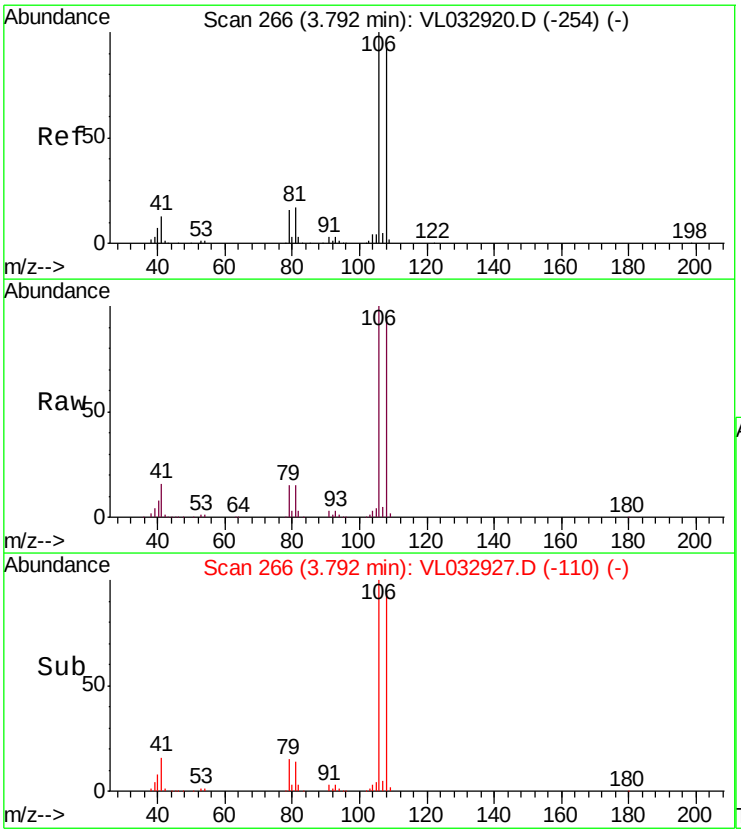
#13
Ethanol
Concen: 7.201 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 45 Resp: 87268

Ion	Ratio	Lower	Upper
45	100		
46	36.7	13.8	55.4

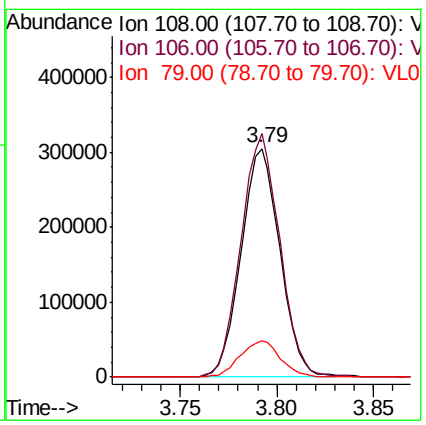


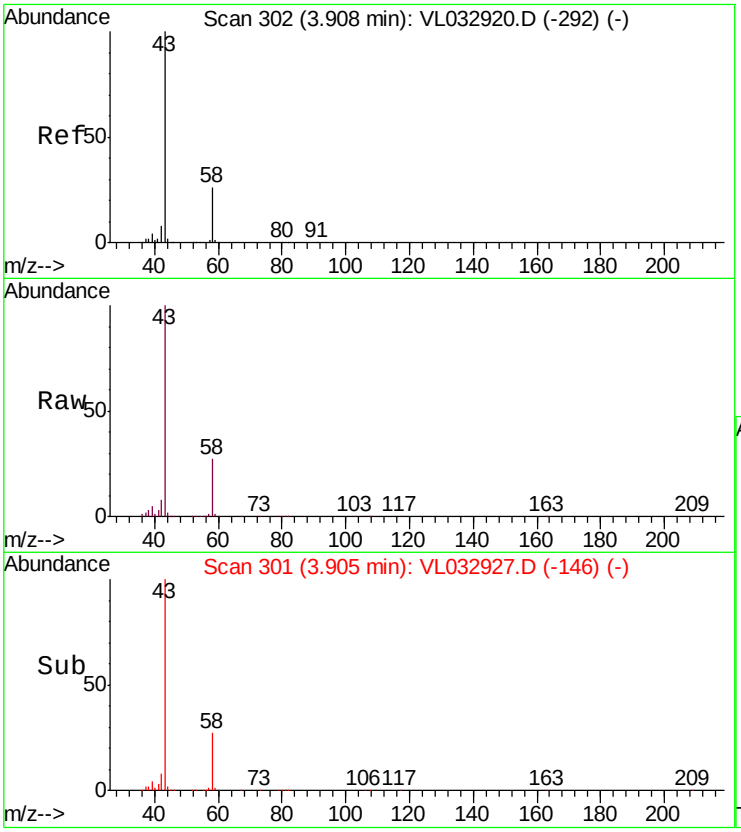


#14
Bromoethene
Concen: 10.198 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:108 Resp: 427051

Ion	Ratio	Lower	Upper
108	100		
106	107.1	85.4	128.2
79	16.7	14.6	21.8



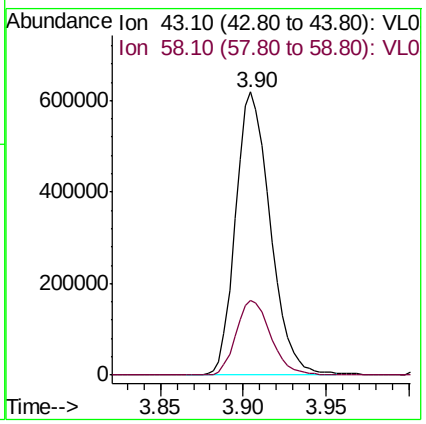


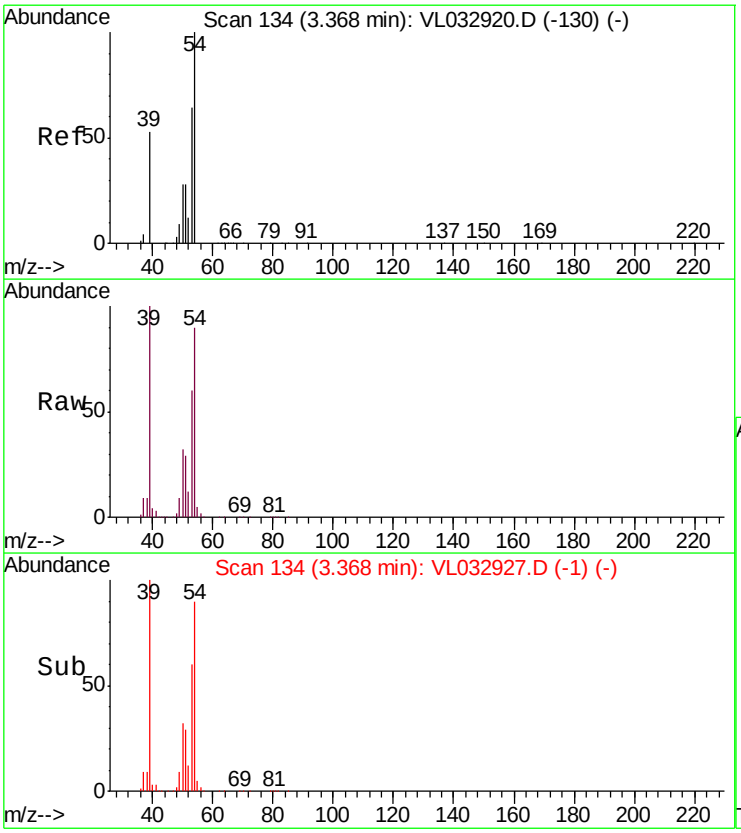
#15
Acetone
Concen: 8.925 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 43 Resp: 900470

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.6	30.8

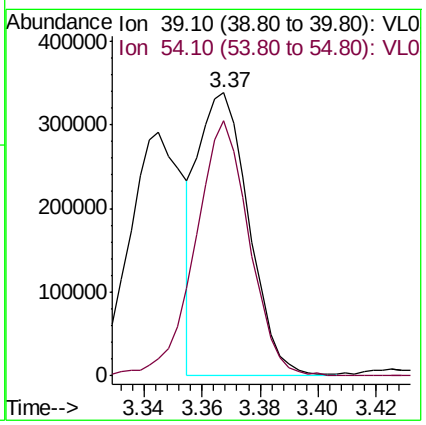


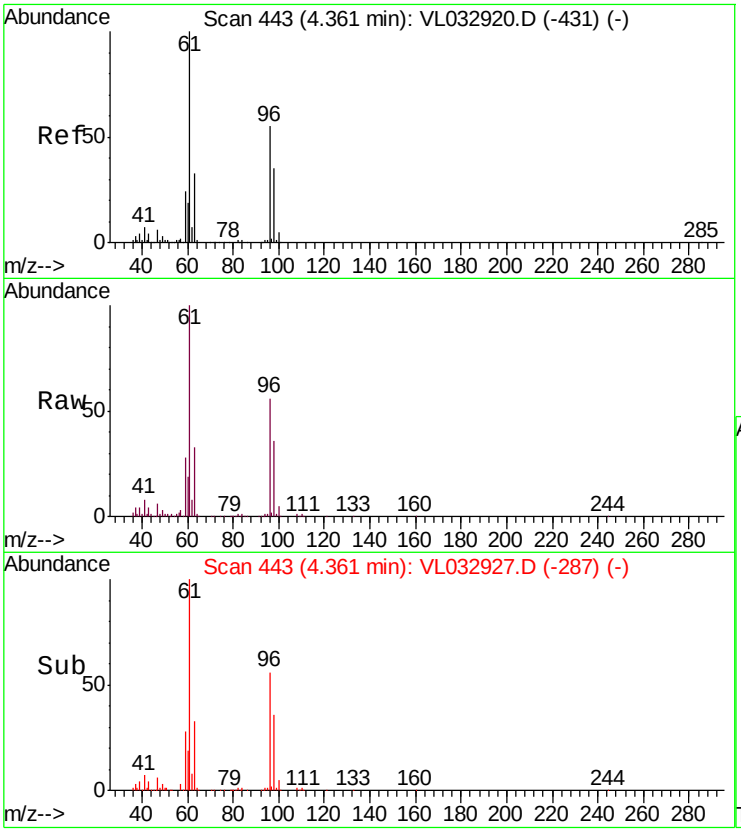


#16
1,3-Butadiene
Concen: 10.244 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 39 Resp: 410054

Ion	Ratio	Lower	Upper
39	100		
54	96.4	72.7	109.1



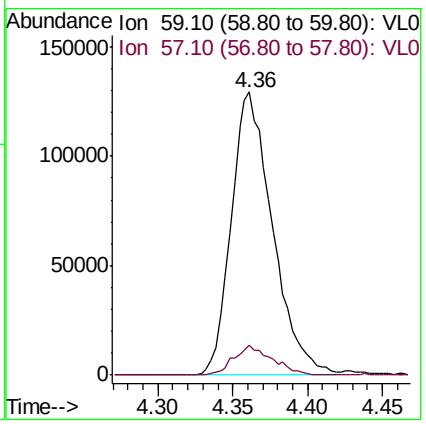


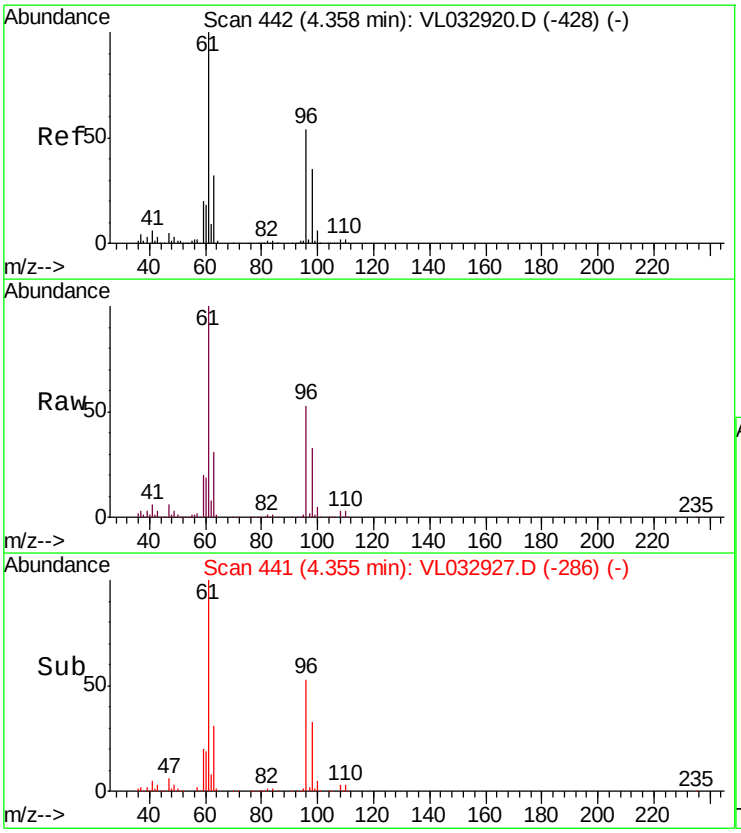
#17
tert-Butyl alcohol
Concen: 9.656 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 59 Resp: 248033

Ion	Ratio	Lower	Upper
59	100		
57	10.0	0.6	1.0#

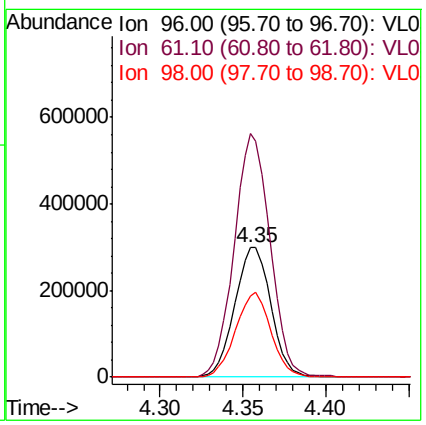


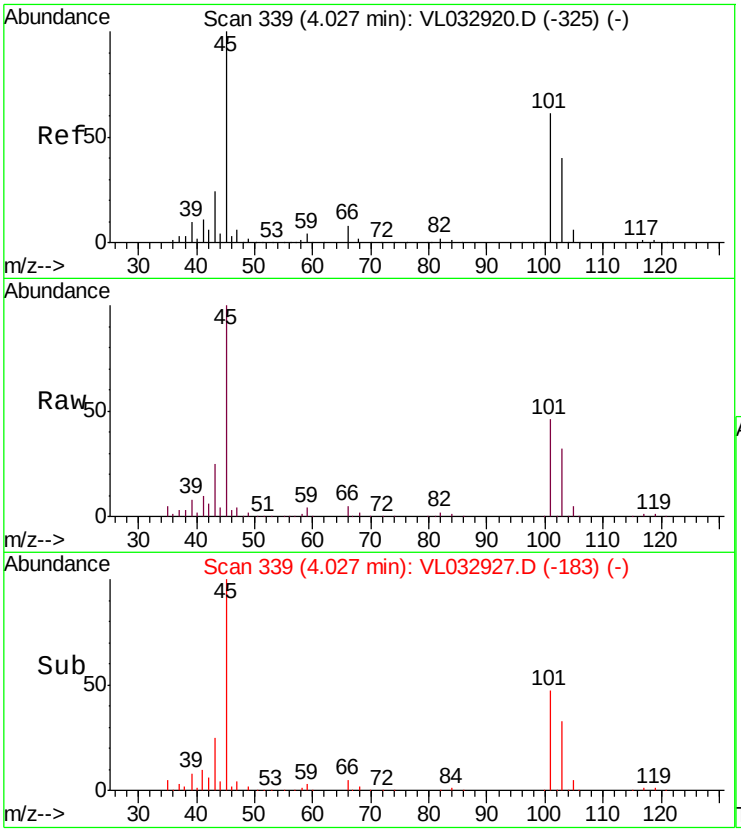


#18
1,1-Dichloroethene
Concen: 9.204 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 96 Resp: 454652

Ion	Ratio	Lower	Upper
96	100		
61	188.2	147.0	220.4
98	62.6	50.7	76.1



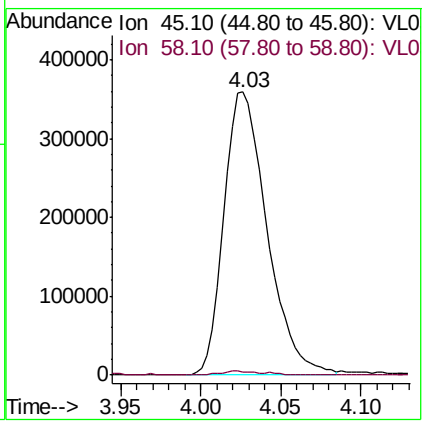


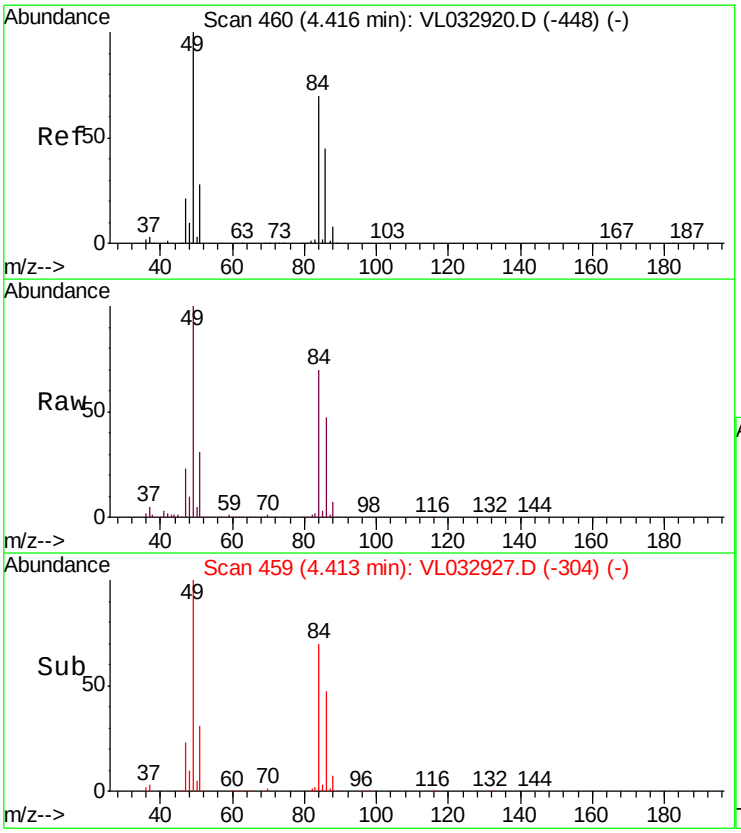
#19
Isopropyl Alcohol
Concen: 10.410 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 45 Resp: 659563

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.4	2.2#

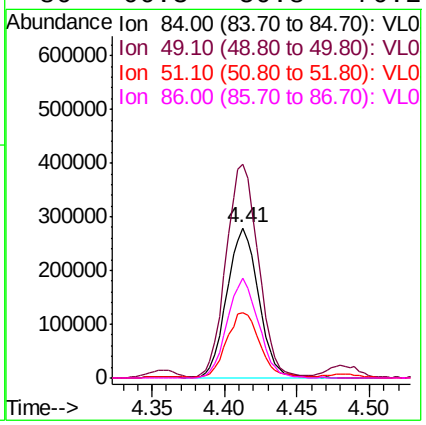


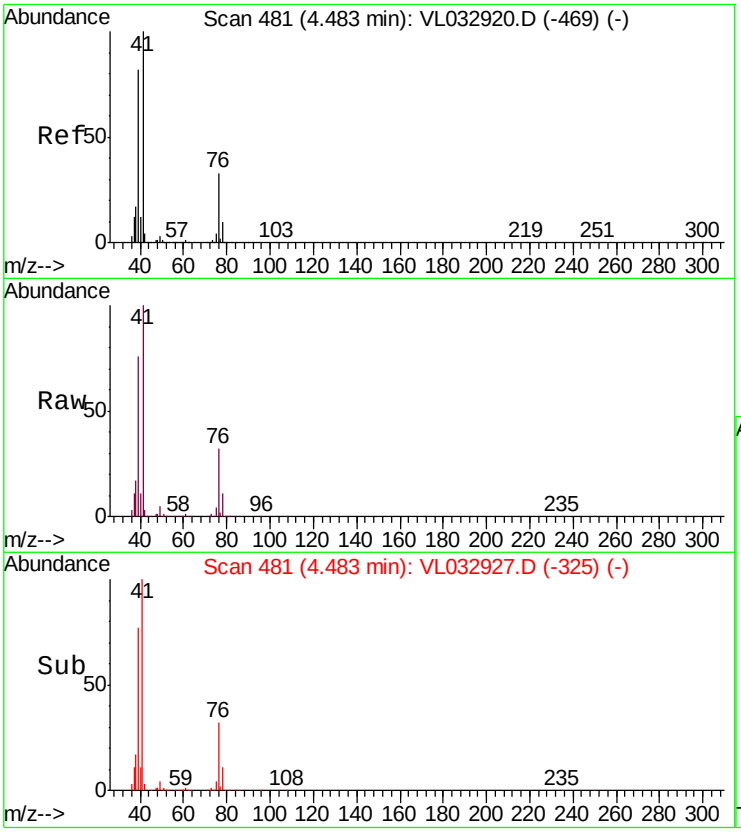


#20
Methylene Chloride
Concen: 8.568 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 84 Resp: 422470

Ion	Ratio	Lower	Upper
84	100		
49	141.4	113.8	170.8
51	42.9	31.8	47.8
86	66.3	50.8	76.2



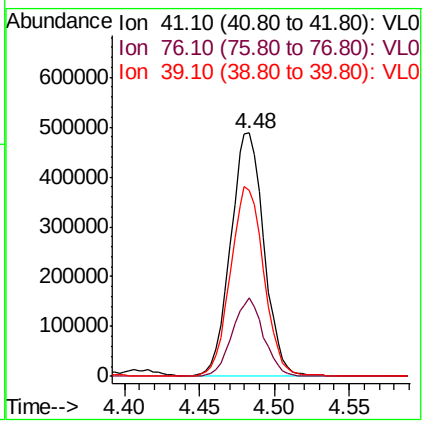


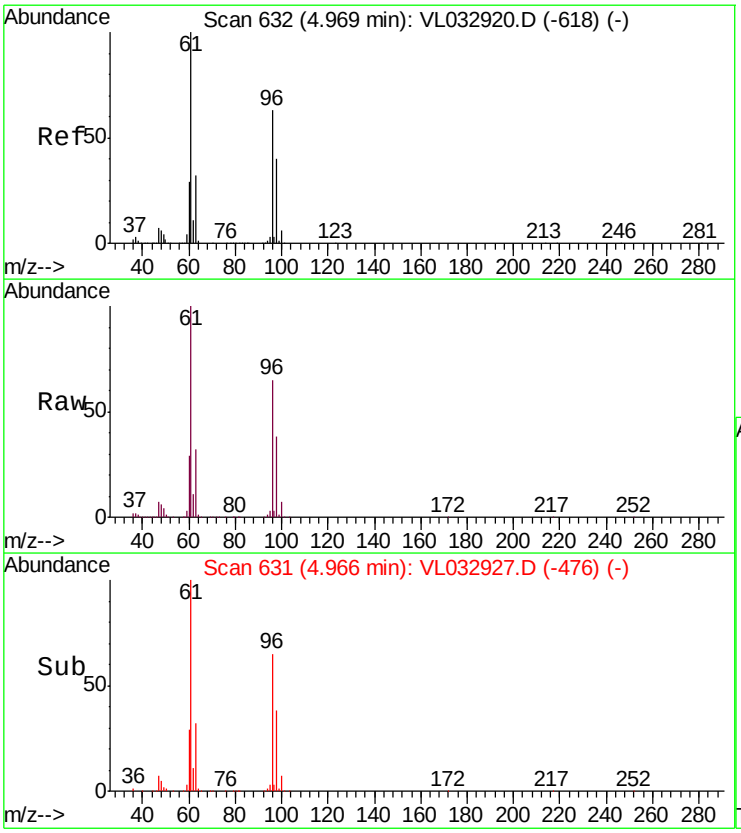
#21
Allyl Chloride
Concen: 9.189 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 41 Resp: 755557

Ion	Ratio	Lower	Upper
41	100		
76	30.2	25.2	37.8
39	78.2	65.2	97.8

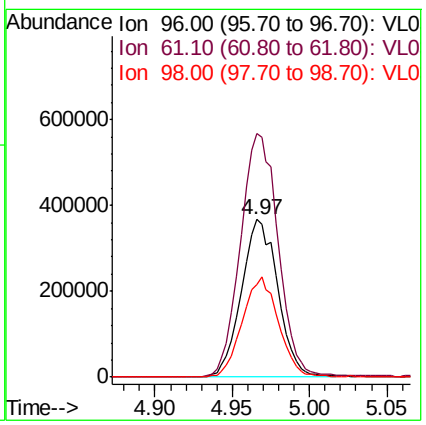


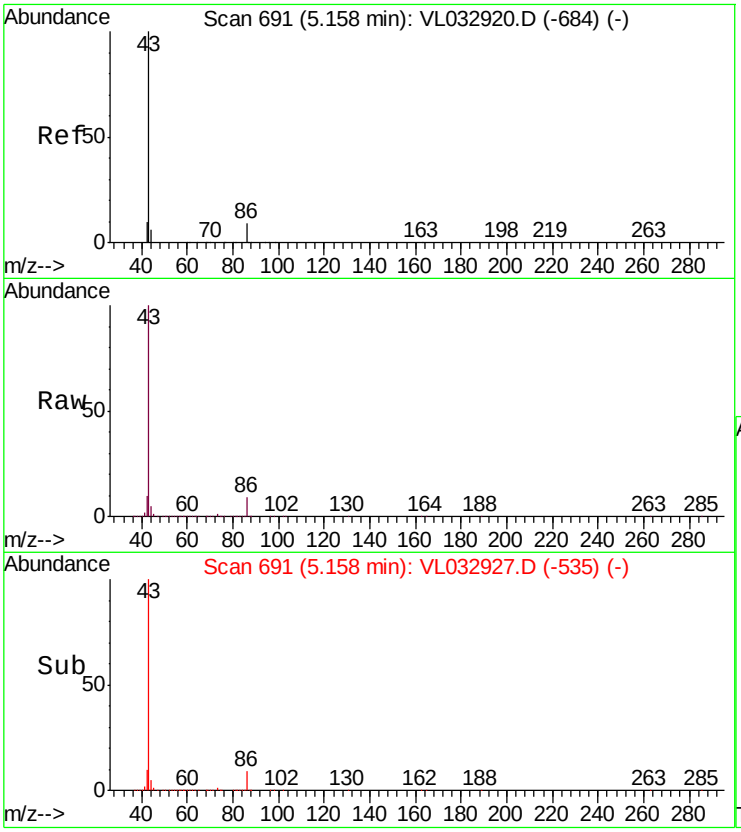


#22
trans-1,2-Dichloroethene
Concen: 9.834 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 96 Resp: 602902

Ion	Ratio	Lower	Upper
96	100		
61	154.5	127.1	190.7
98	58.7	51.3	76.9



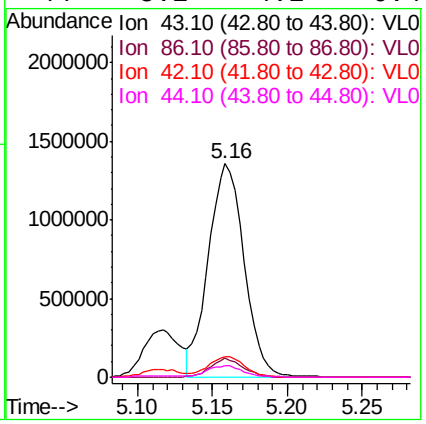


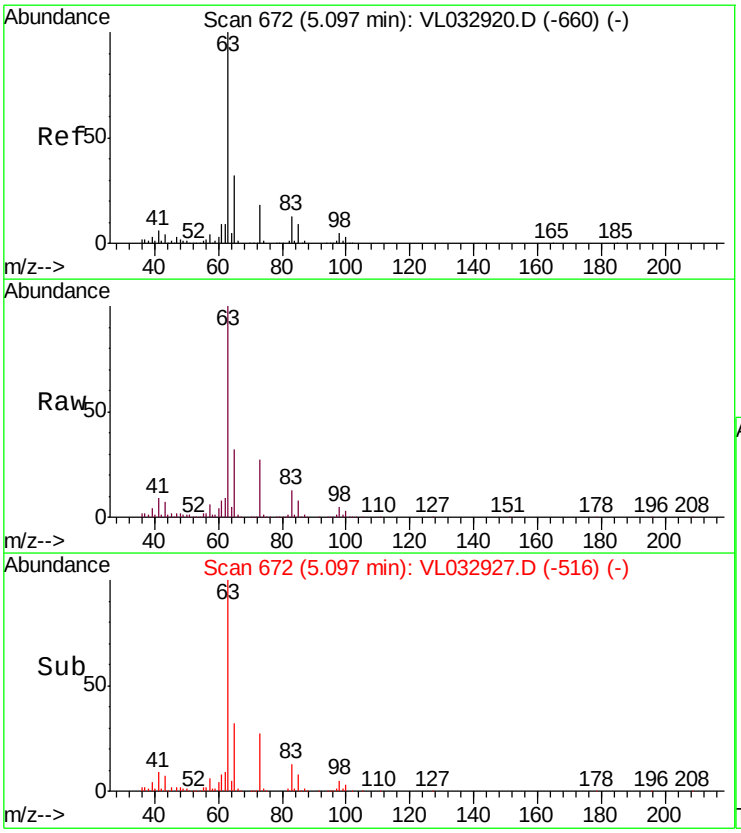
#23
Vinyl Acetate
Concen: 13.188 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 43 Resp: 2252839

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.8	8.3	12.5
44	5.2	4.2	6.4

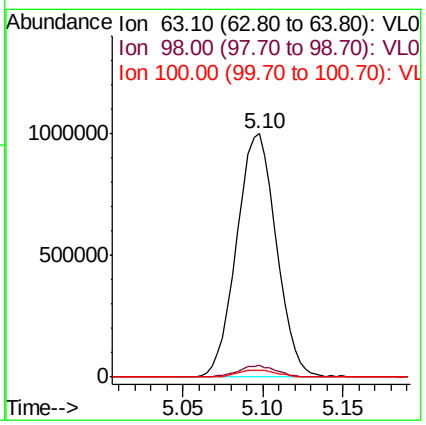


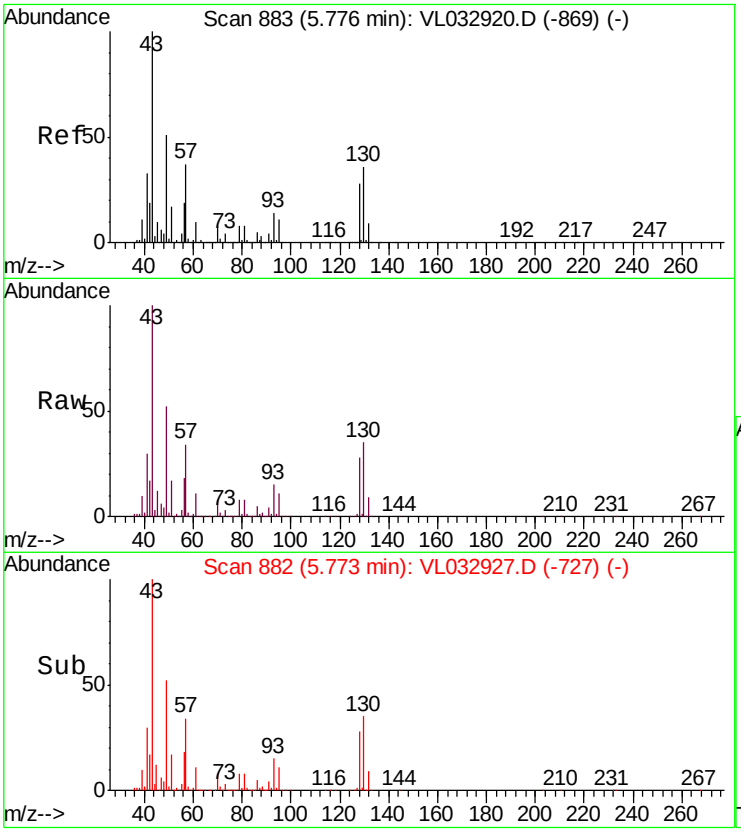


#24
1,1-Dichloroethane
Concen: 11.367 ppbv
RT: 5.10 min Scan# 672
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 63 Resp: 1688443

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.5	7.5
100	2.8	1.4	4.2



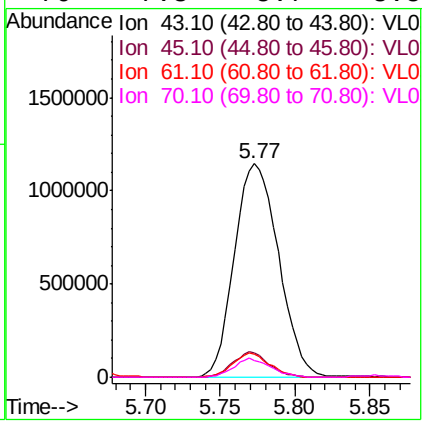


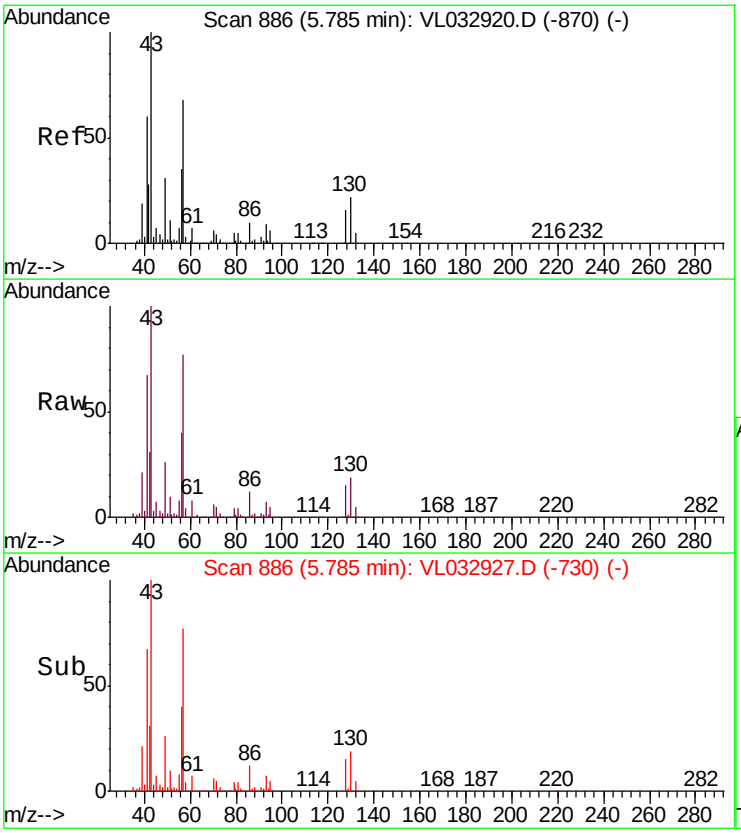
#25
Ethyl Acetate
Concen: 9.893 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 43 Resp: 2357865

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.6	7.4	11.2
70	7.3	5.7	8.5

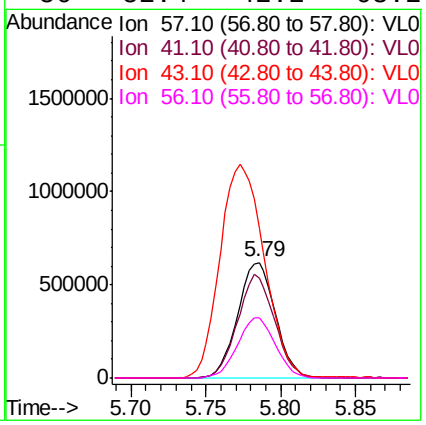


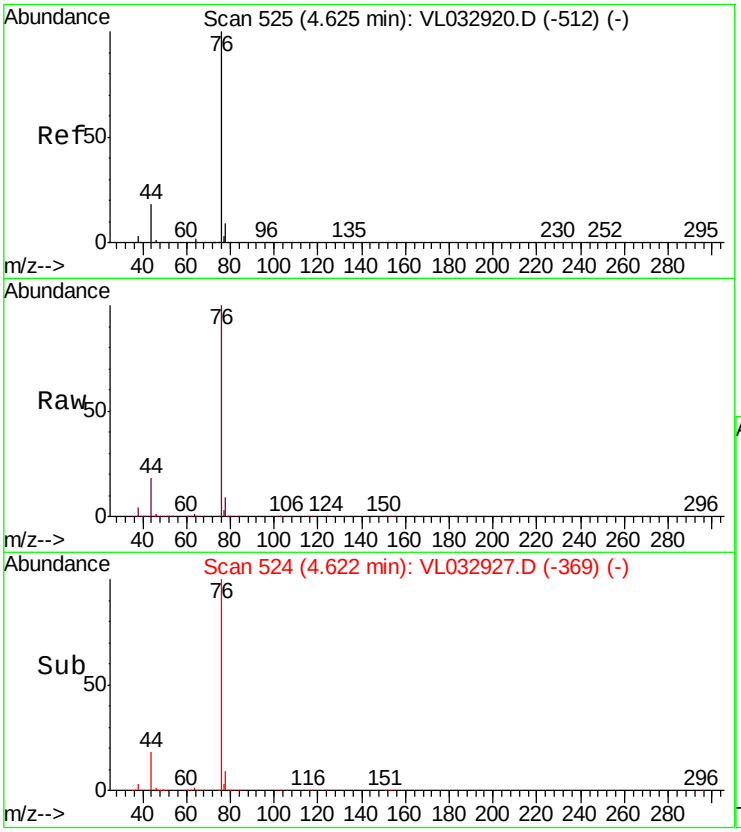


#26
Hexane
Concen: 9.845 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 57 Resp: 1083334

Ion	Ratio	Lower	Upper
57	100		
41	88.4	72.2	108.2
43	218.6	171.9	257.9
56	52.4	42.2	63.2



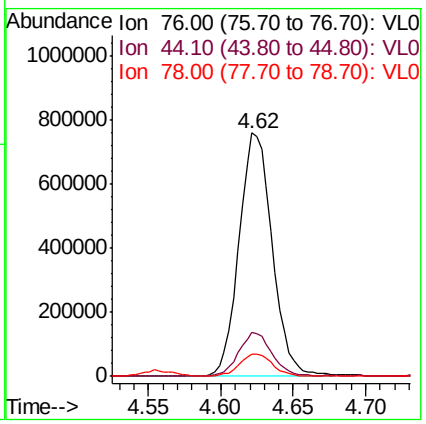


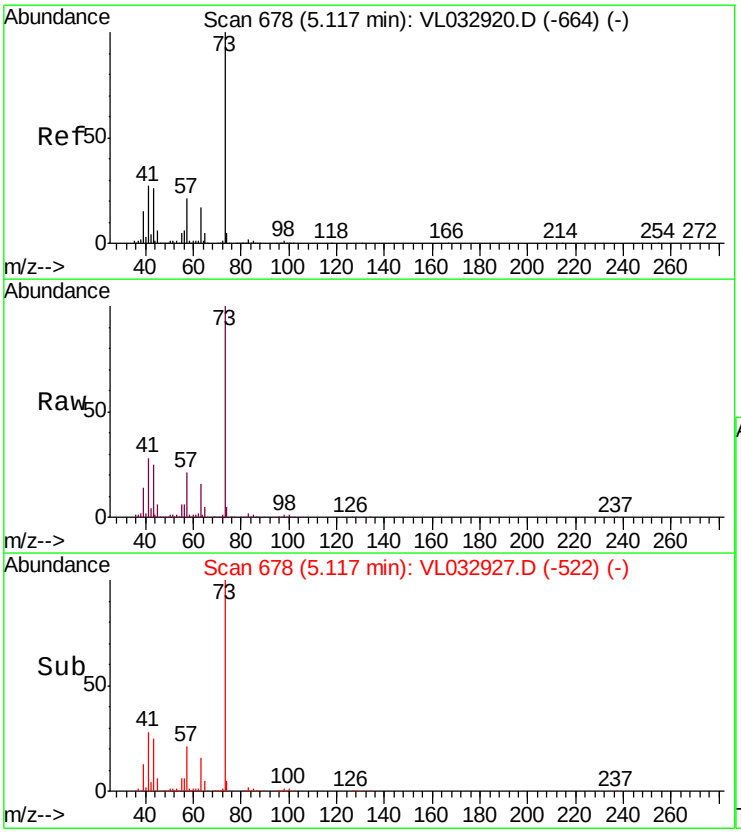
#27
Carbon Disulfide
Concen: 8.804 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 76 Resp: 1211295

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.7	22.1
78	9.2	7.4	11.2

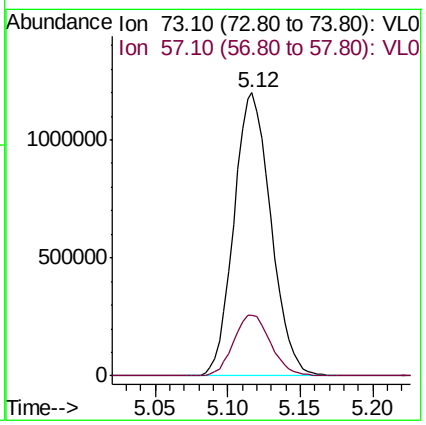


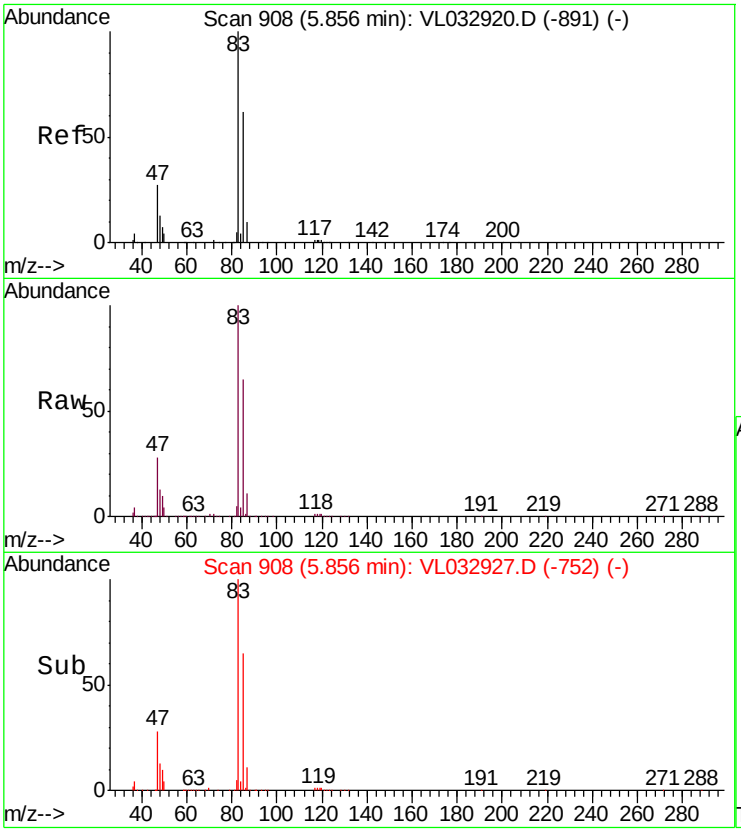


#28
Methyl tert-Butyl Ether
Concen: 12.895 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 73 Resp: 2131023

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



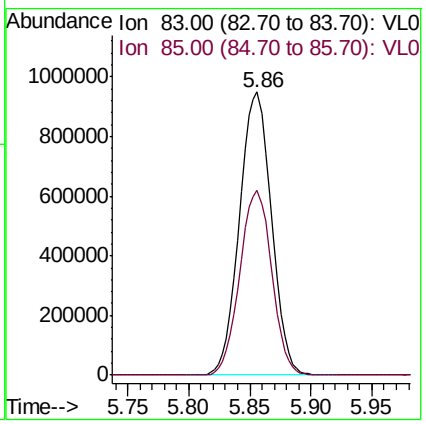


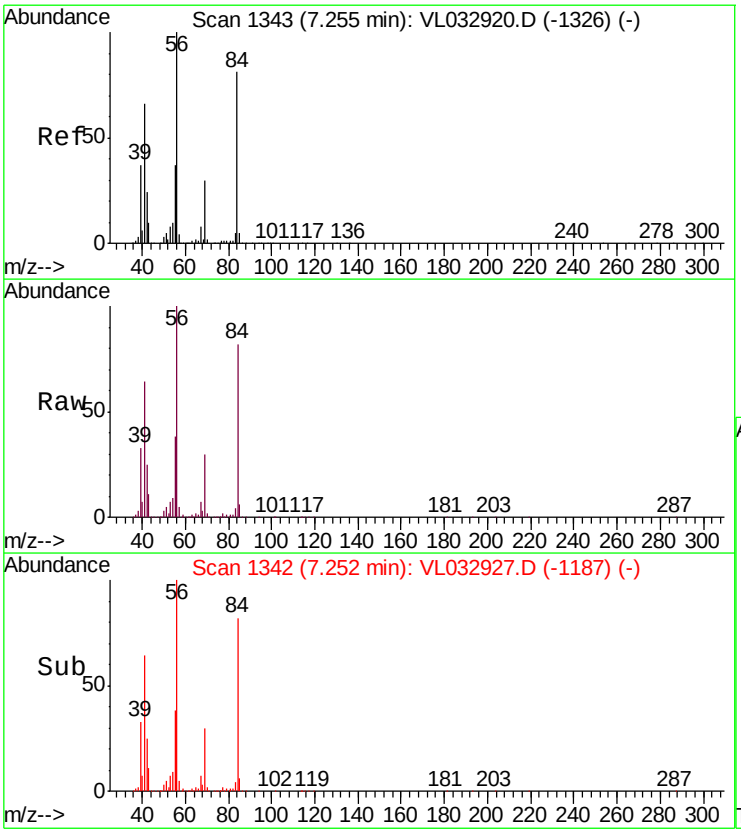
#29
Chloroform
Concen: 8.721 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 83 Resp: 1712309

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.8

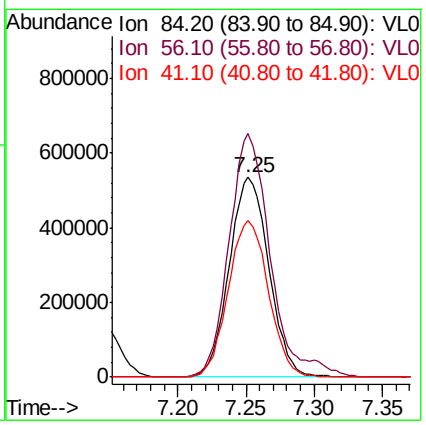


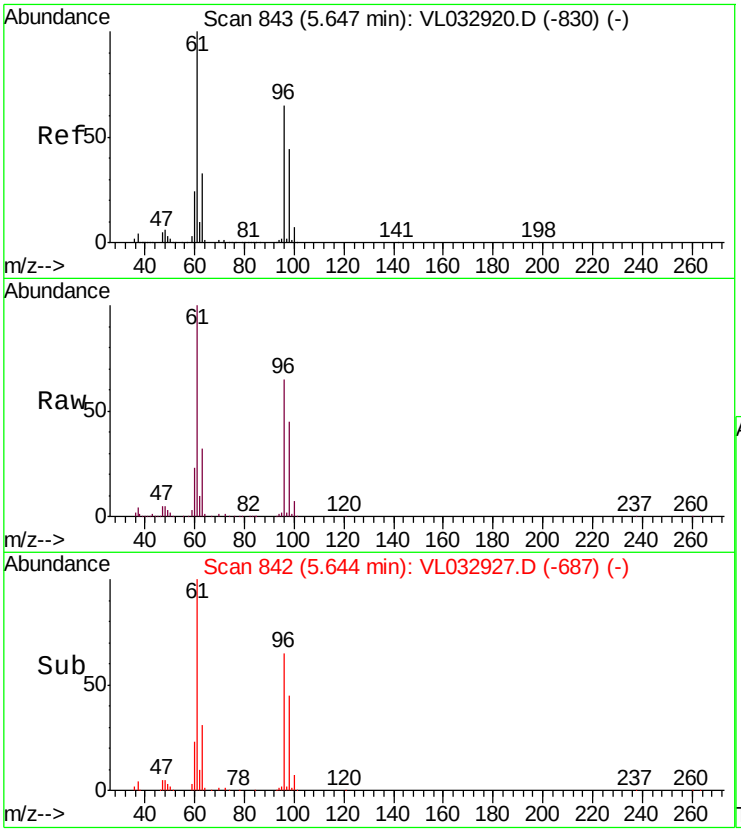


#30
Cyclohexane
Concen: 11.824 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 84 Resp: 1078330

Ion	Ratio	Lower	Upper
84	100		
56	127.4	102.5	153.7
41	79.8	64.1	96.1



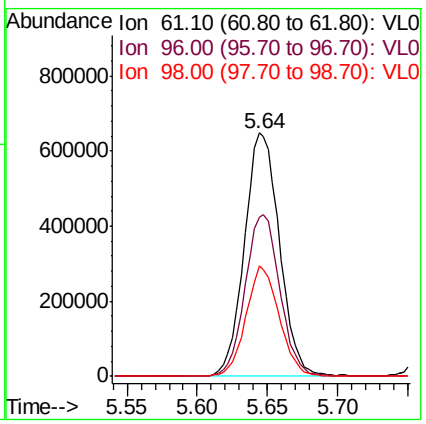


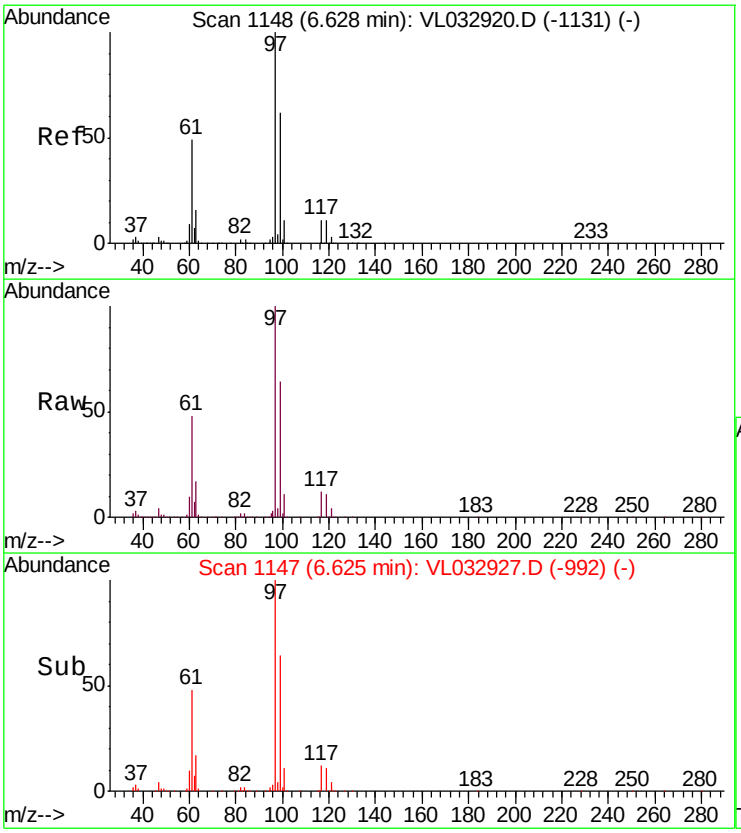
#31
cis-1,2-Dichloroethene
Concen: 11.173 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 61 Resp: 1128167

Ion	Ratio	Lower	Upper
61	100		
96	65.5	51.9	77.9
98	45.2	35.0	52.4

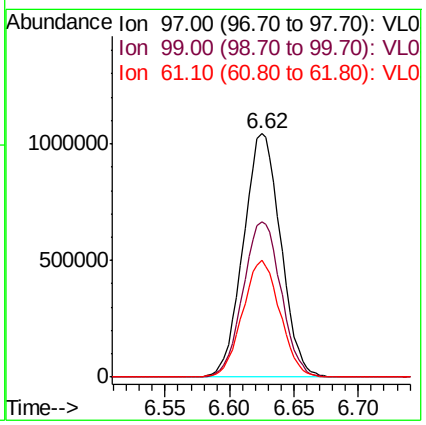


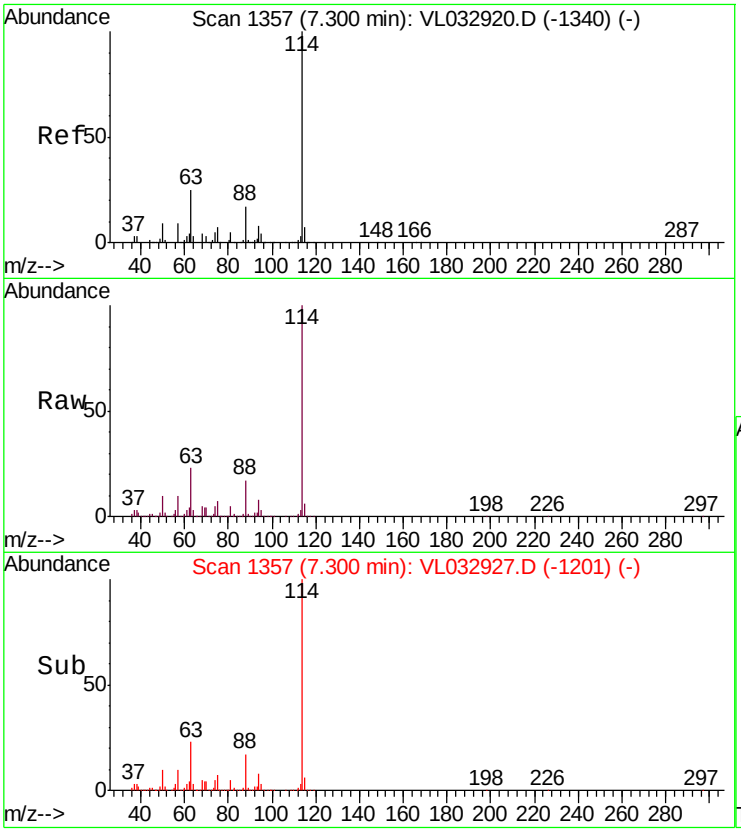


#32
1,1,1-Trichloroethane
Concen: 10.148 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 97 Resp: 2108106

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	48.2	39.3	58.9



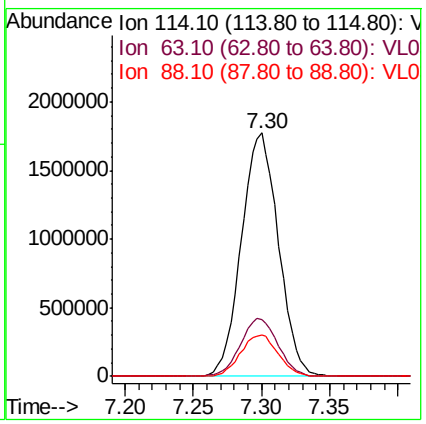


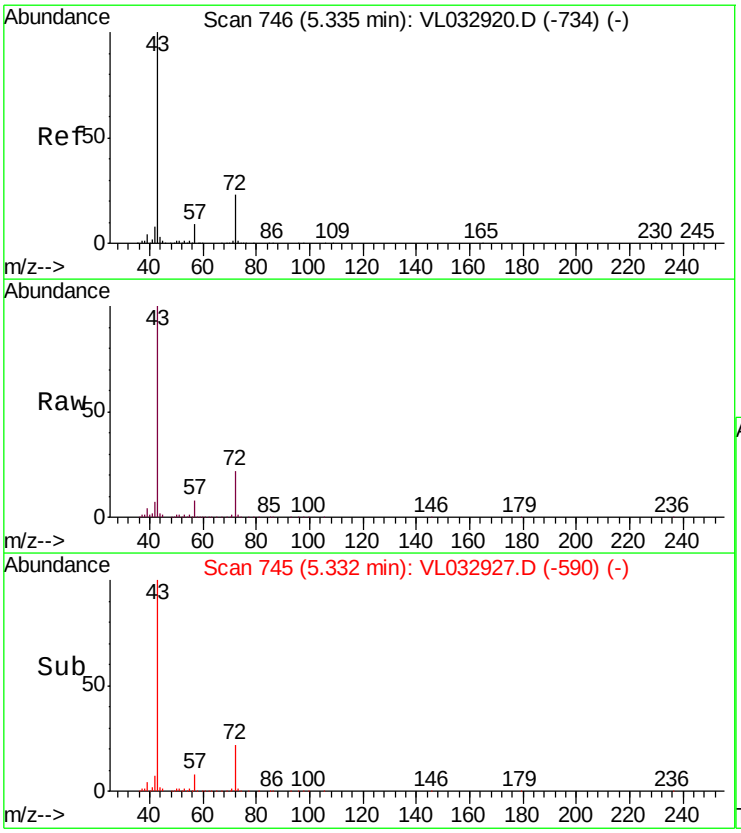
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:114 Resp: 3341277

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.1	30.1
88	17.3	14.2	21.4

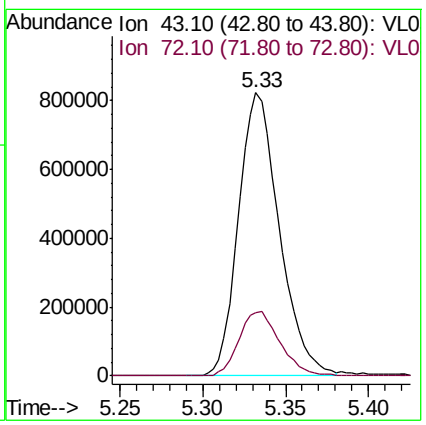


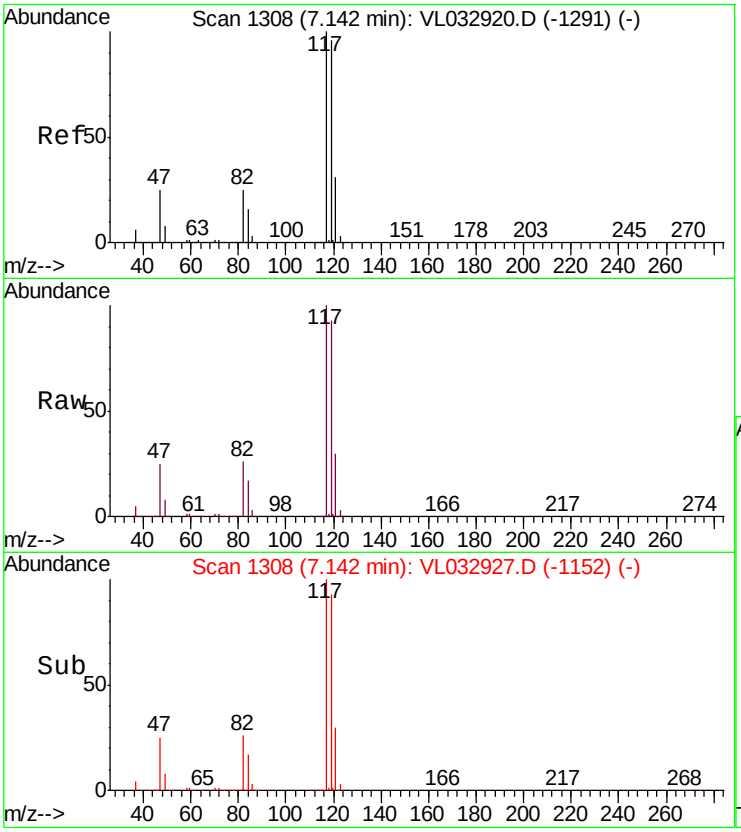


#34
2-Butanone
Concen: 9.663 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 43 Resp: 1406325

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.8	28.2



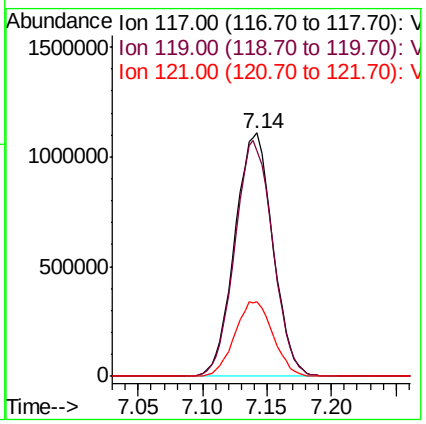


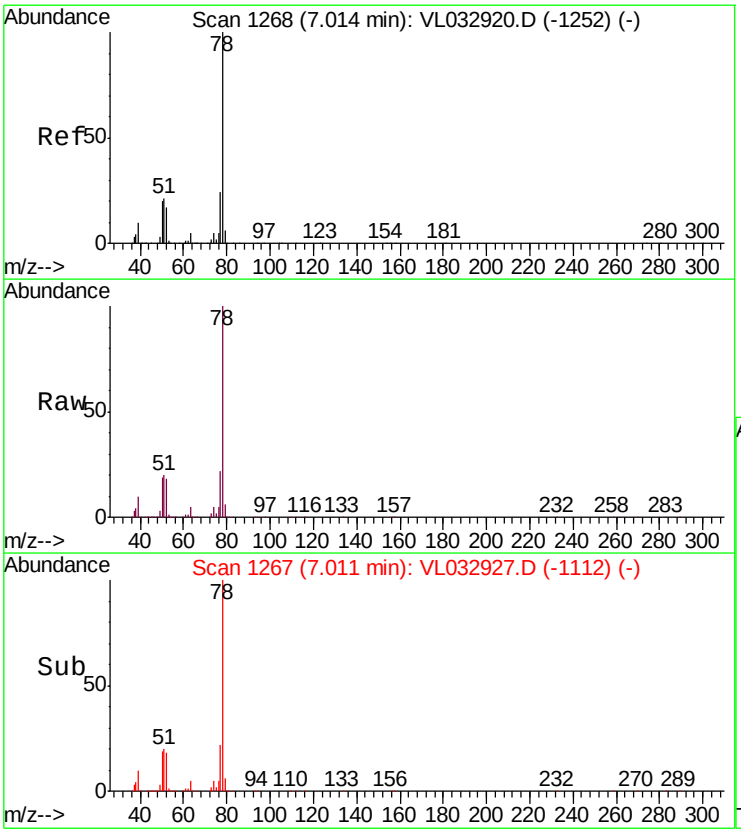
#35
Carbon Tetrachloride
Concen: 8.678 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:117 Resp: 2279112

Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7
121	30.4	24.5	36.7

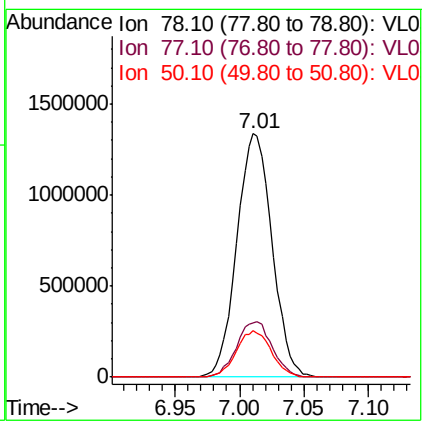


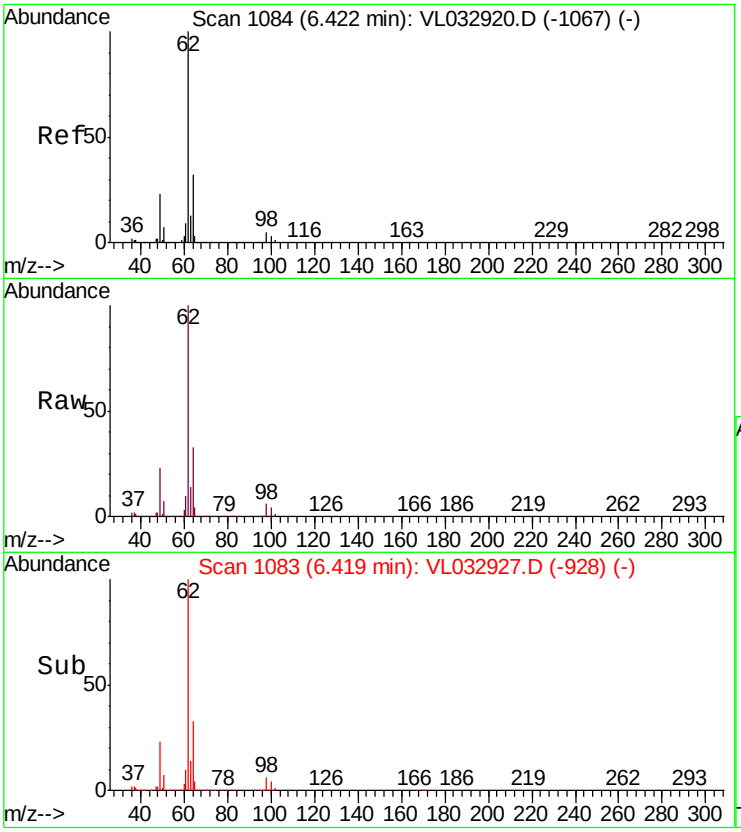


#36
Benzene
Concen: 10.333 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 78 Resp: 2539493

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3
50	19.0	16.1	24.1



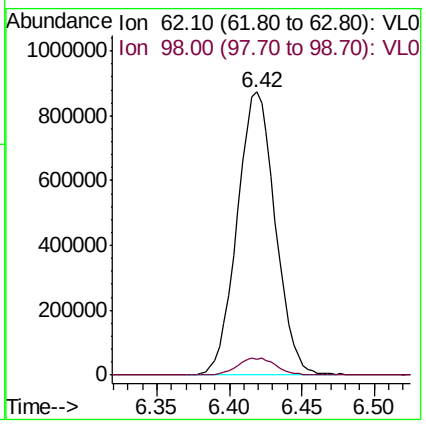


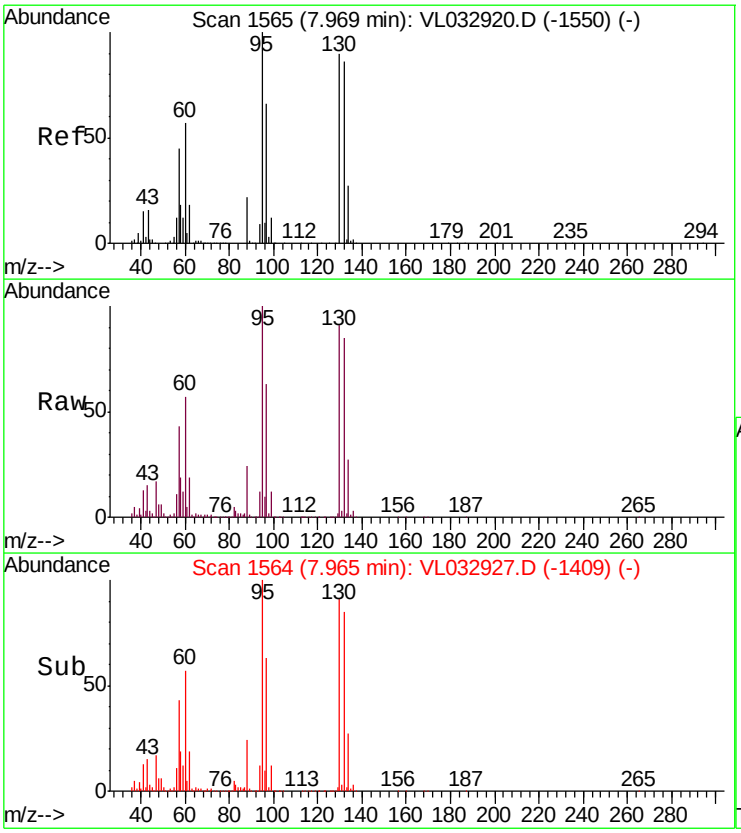
#37
1,2-Dichloroethane
Concen: 9.547 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 62 Resp: 1597464

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.3	6.5

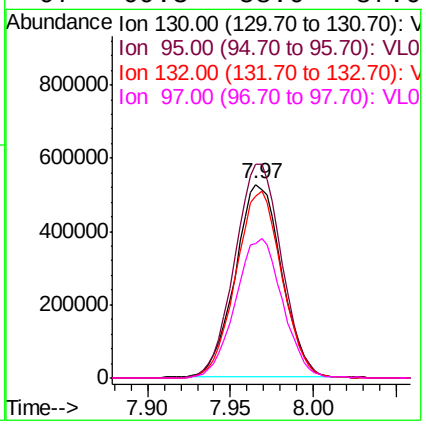


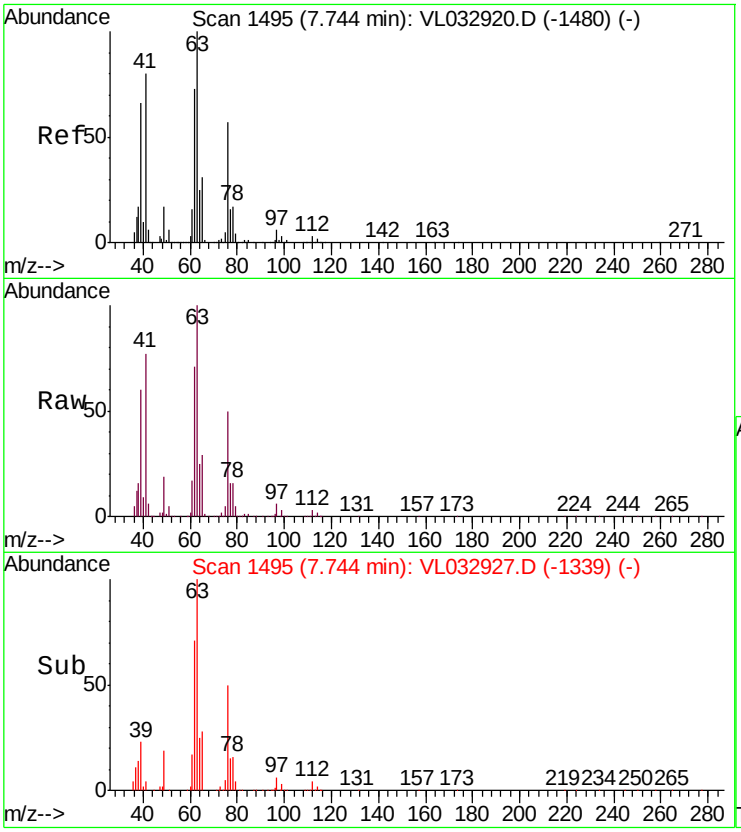


#38
Trichloroethene
Concen: 10.026 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:130 Resp: 1025415

Ion	Ratio	Lower	Upper
130	100		
95	110.4	88.6	132.8
132	94.2	76.1	114.1
97	69.3	58.0	87.0



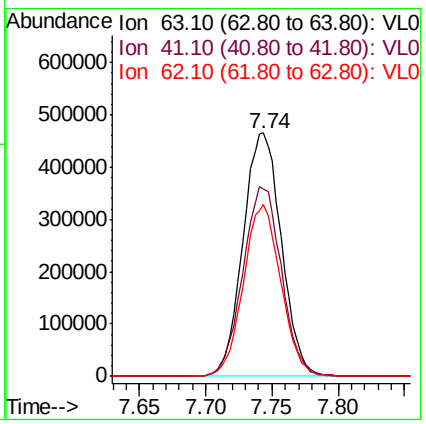


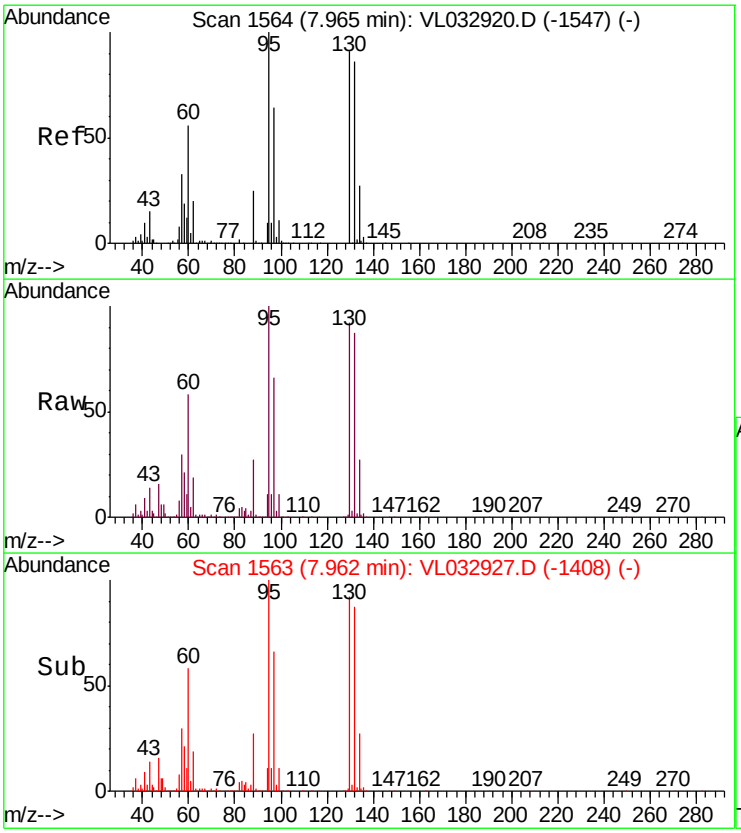
#39
1,2-Dichloropropane
Concen: 10.066 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 63 Resp: 938231

Ion	Ratio	Lower	Upper
63	100		
41	76.7	63.9	95.9
62	70.5	58.8	88.2

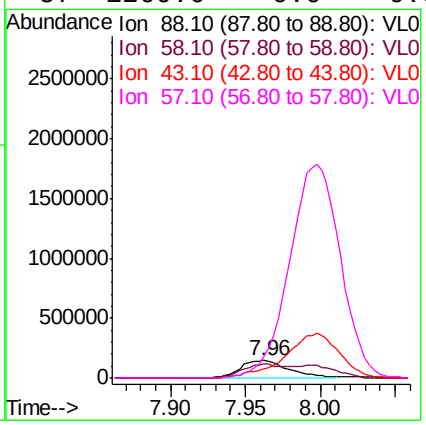


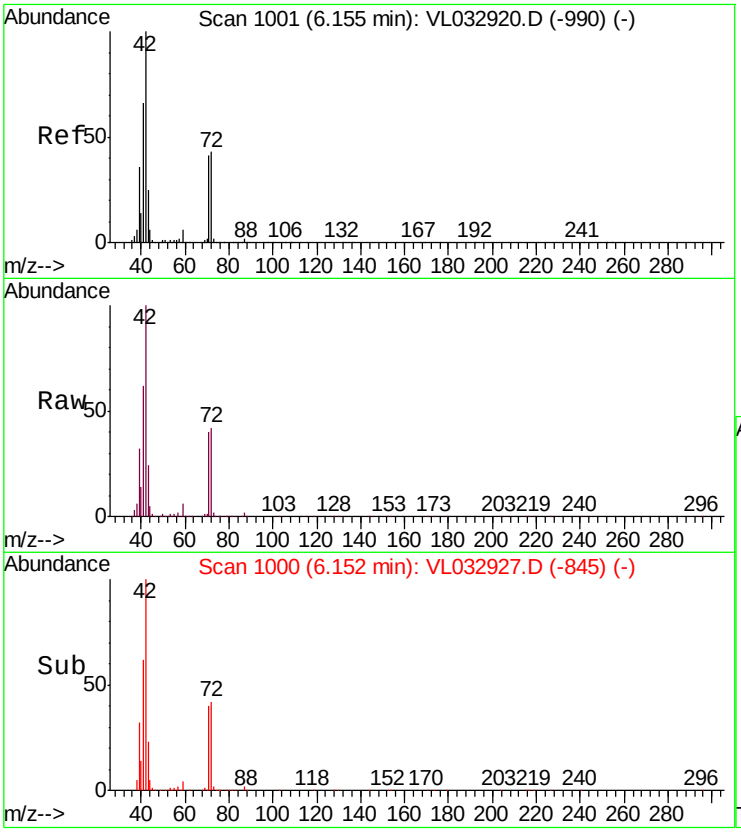


#40
1,4-Dioxane
Concen: 9.748 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 88 Resp: 334651

Ion	Ratio	Lower	Upper
88	100		
58	130.7	107.4	161.2
43	281.4	0.0	0.0#
57	1260.6	0.0	0.0#



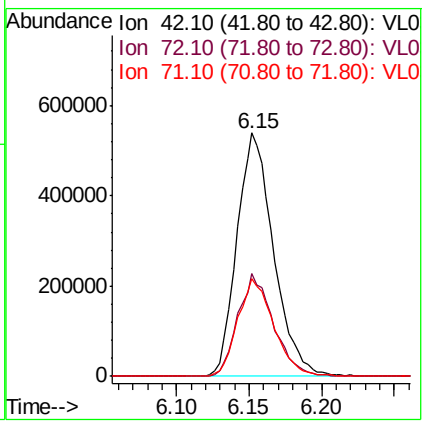


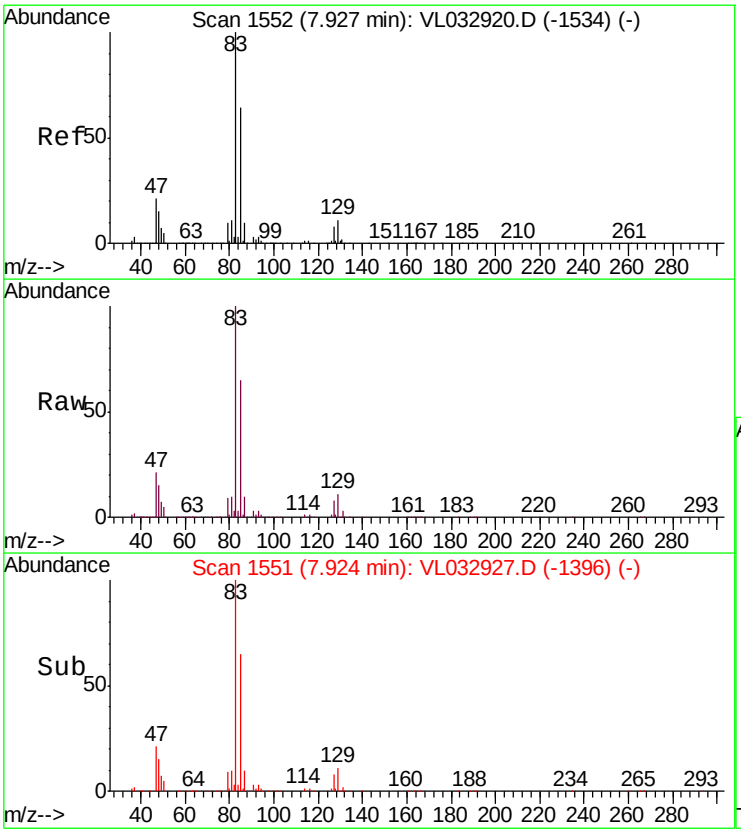
#41
Tetrahydrofuran
Concen: 10.455 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 42 Resp: 946323

Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.9	49.3
71	39.6	32.0	48.0

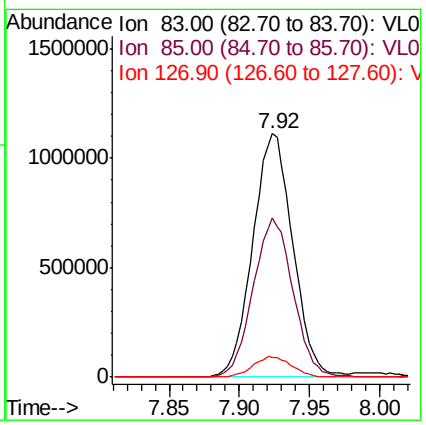


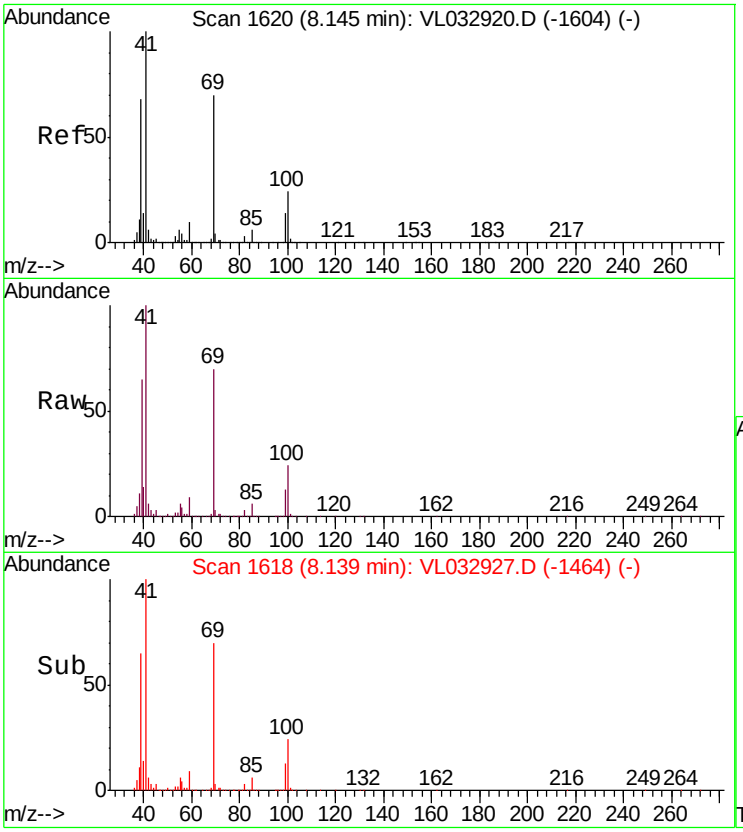


#42
Bromodichloromethane
Concen: 9.499 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 83 Resp: 2202108

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	7.8	6.7	10.1



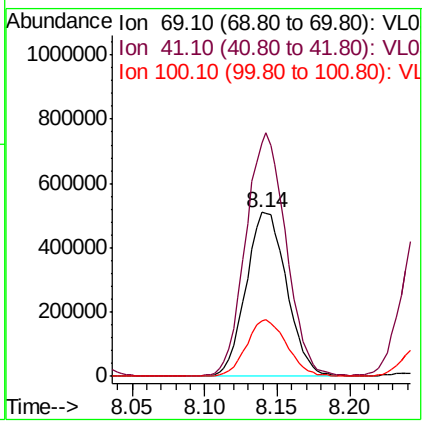


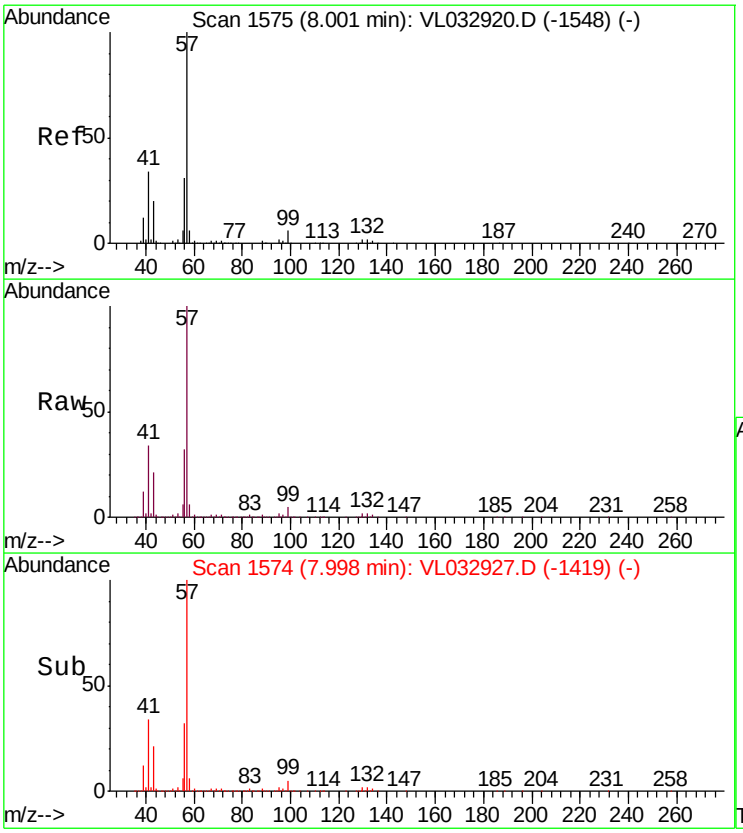
#43
Methyl Methacrylate
Concen: 10.949 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 69 Resp: 997025

Ion	Ratio	Lower	Upper
69	100		
41	147.2	116.6	175.0
100	34.0	26.5	39.7

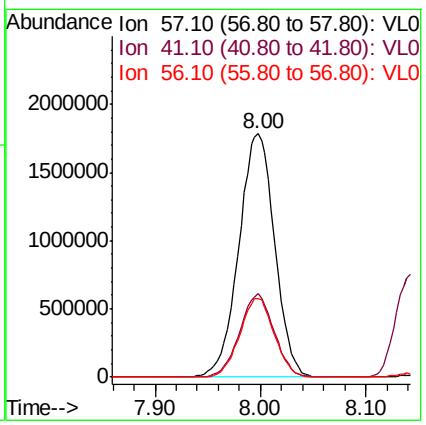


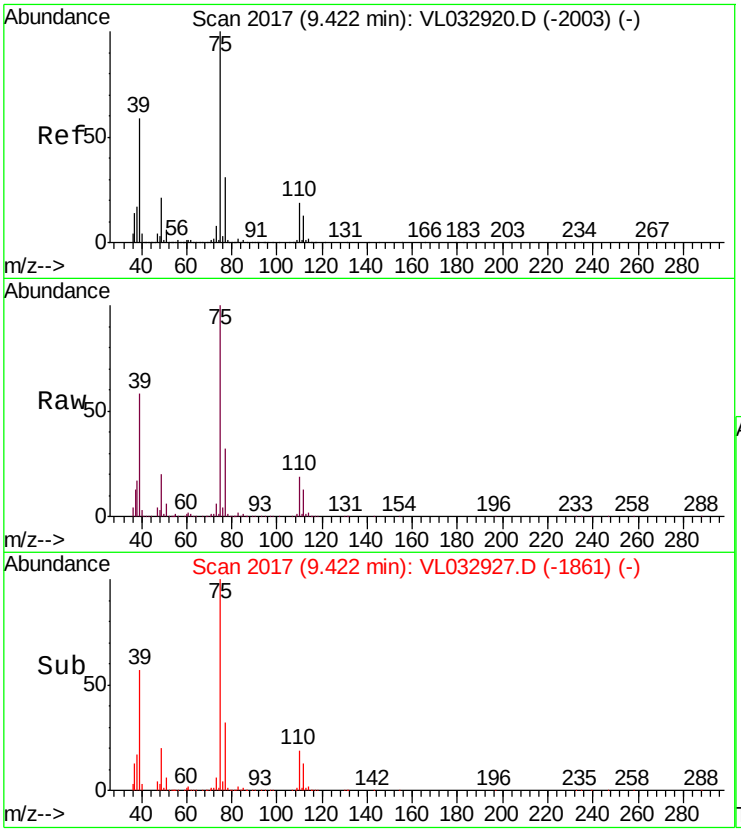


#44
2,2,4-Trimethylpentane
Concen: 10.092 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 57 Resp: 4209964

Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.0	40.4
56	31.2	24.6	37.0



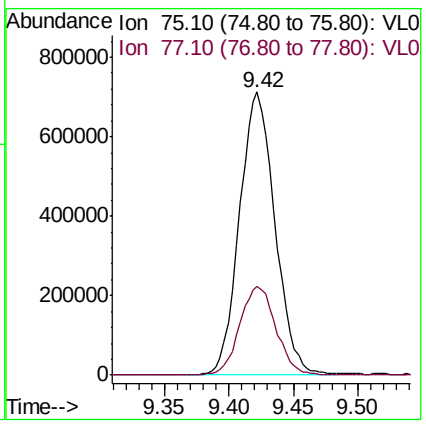


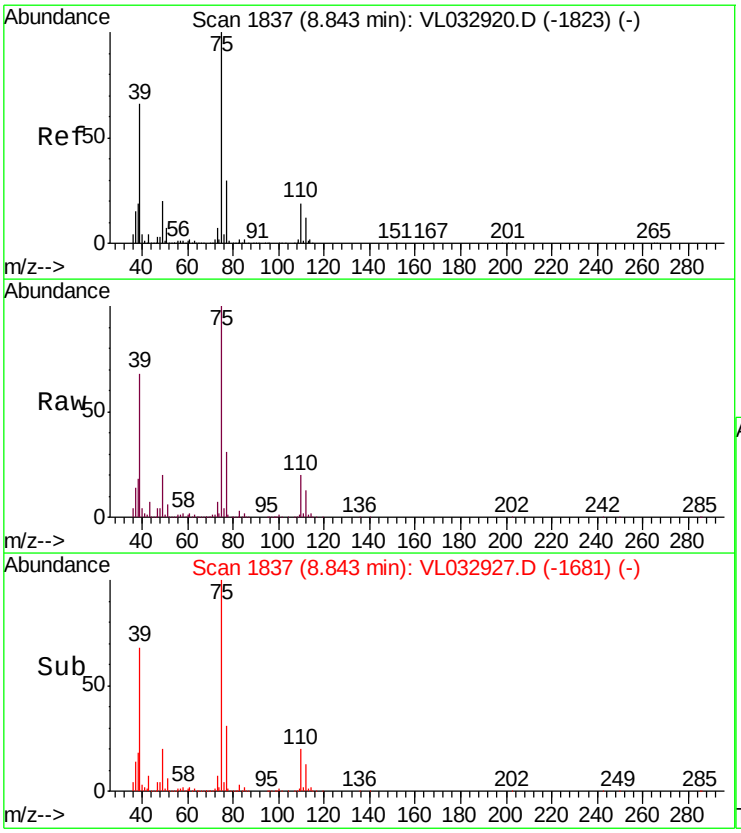
#45
t-1,3-Dichloropropene
Concen: 12.223 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 75 Resp: 1364730

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

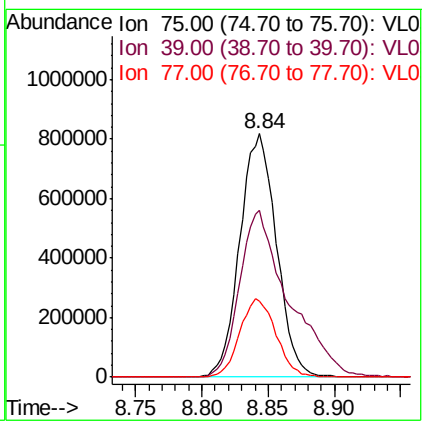


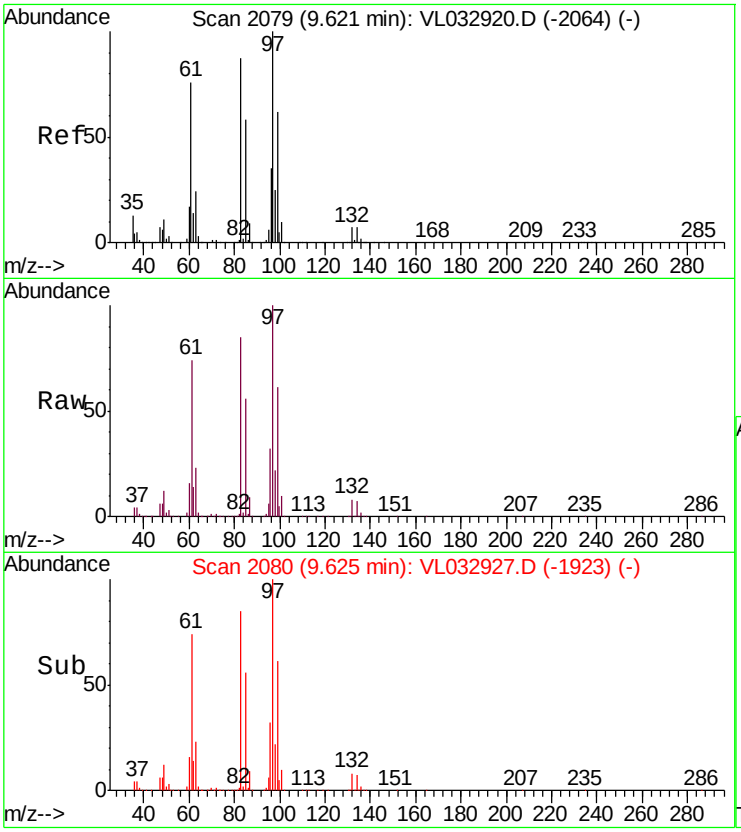


#46
cis-1,3-Dichloropropene
Concen: 11.500 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 75 Resp: 1571616

Ion	Ratio	Lower	Upper
75	100		
39	68.2	52.8	79.2
77	31.0	24.3	36.5



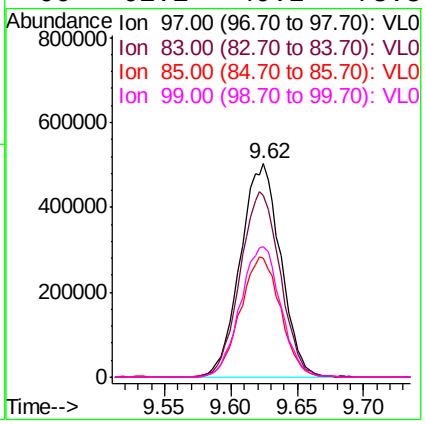


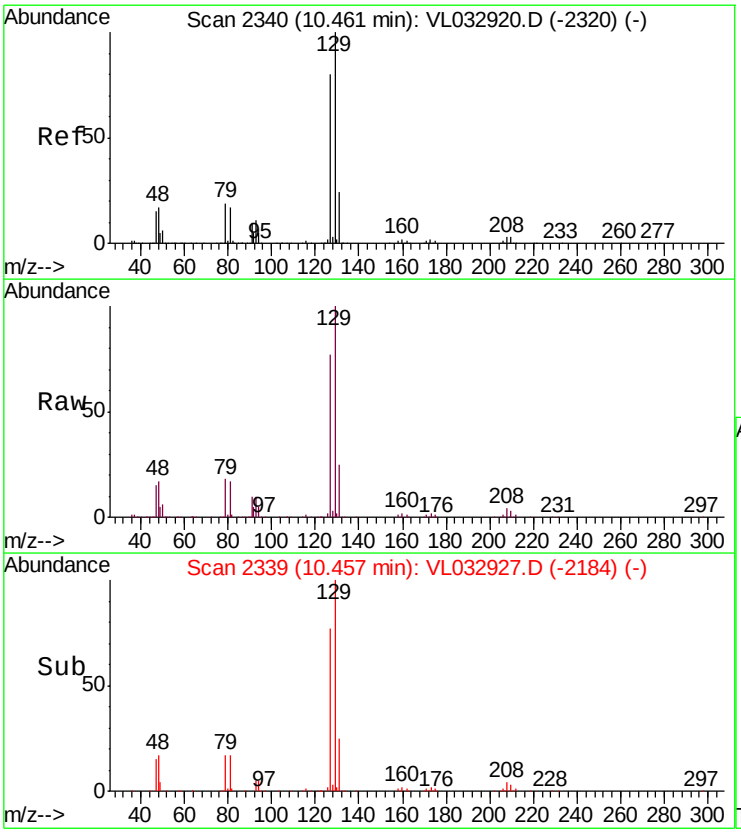
#47
1,1,2-Trichloroethane
Concen: 10.331 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 97 Resp: 1059857

Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.8	104.8
85	55.7	46.7	70.1
99	61.1	49.2	73.8

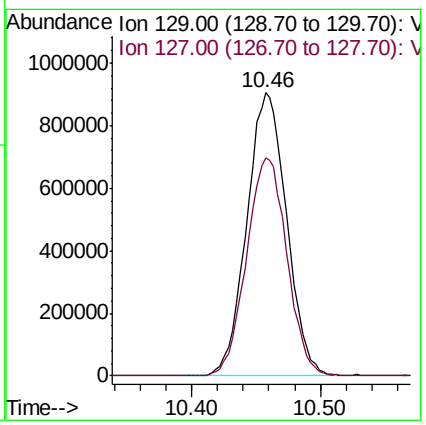


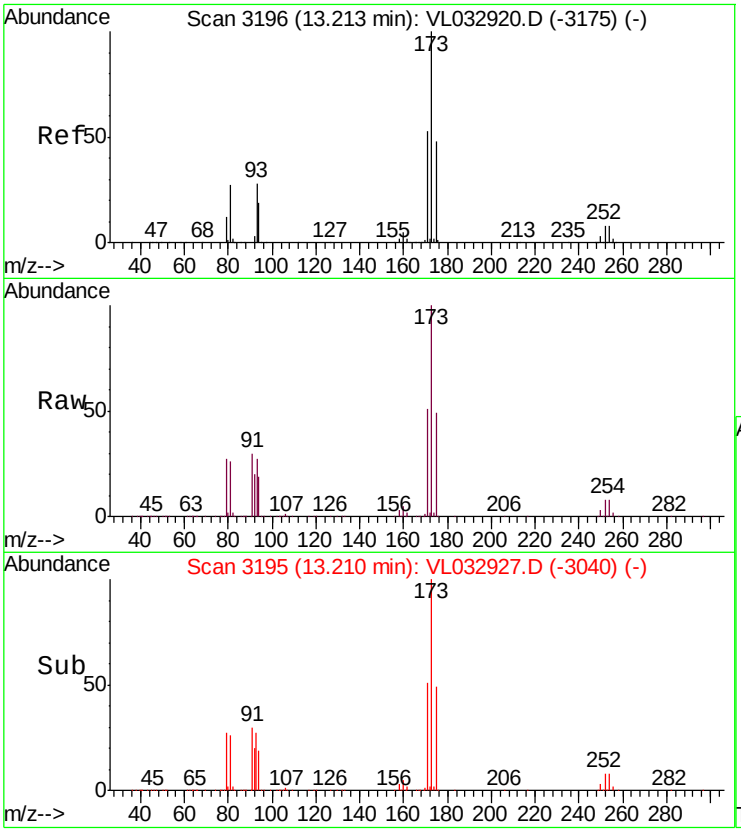


#48
Dibromochloromethane
Concen: 10.098 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:129 Resp: 1943363

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8



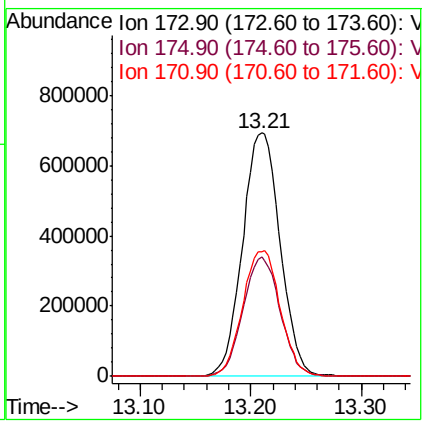


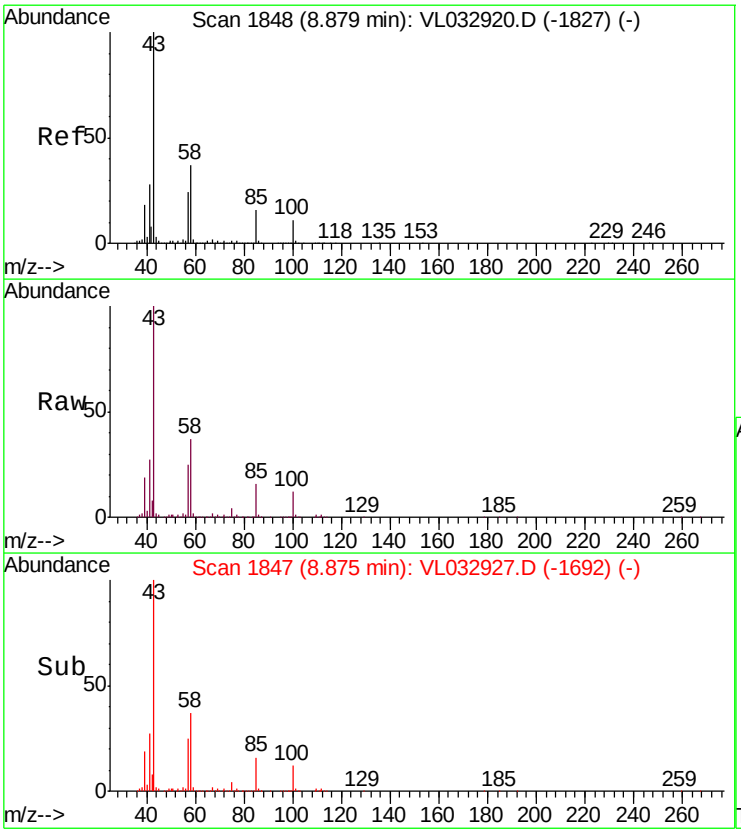
#49
Bromoform
Concen: 10.327 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:173 Resp: 1634661

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.4
171	51.9	41.5	62.3

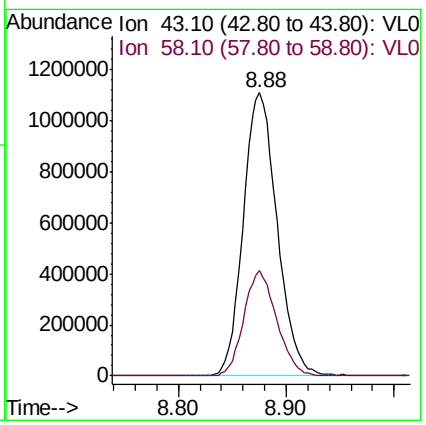


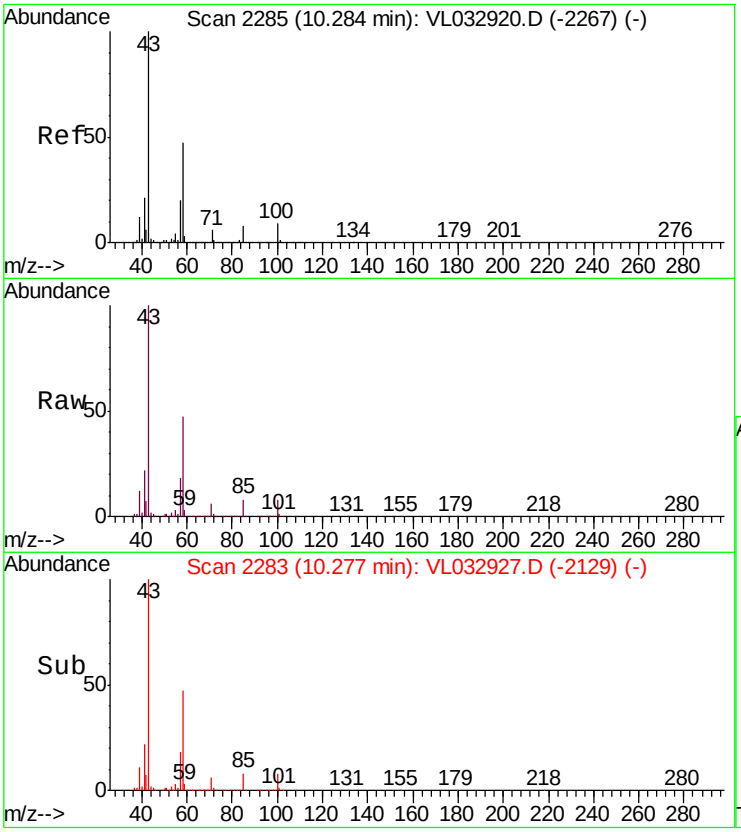


#50
4-Methyl-2-Pentanone
Concen: 10.385 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 43 Resp: 2416994

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.0	43.4



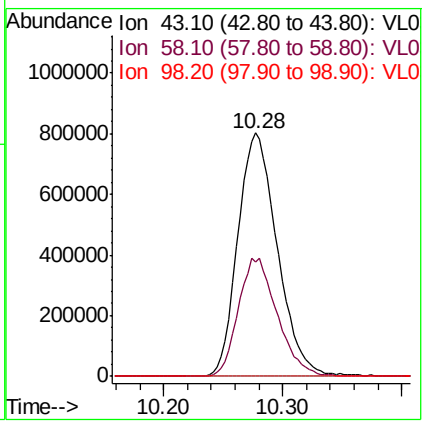


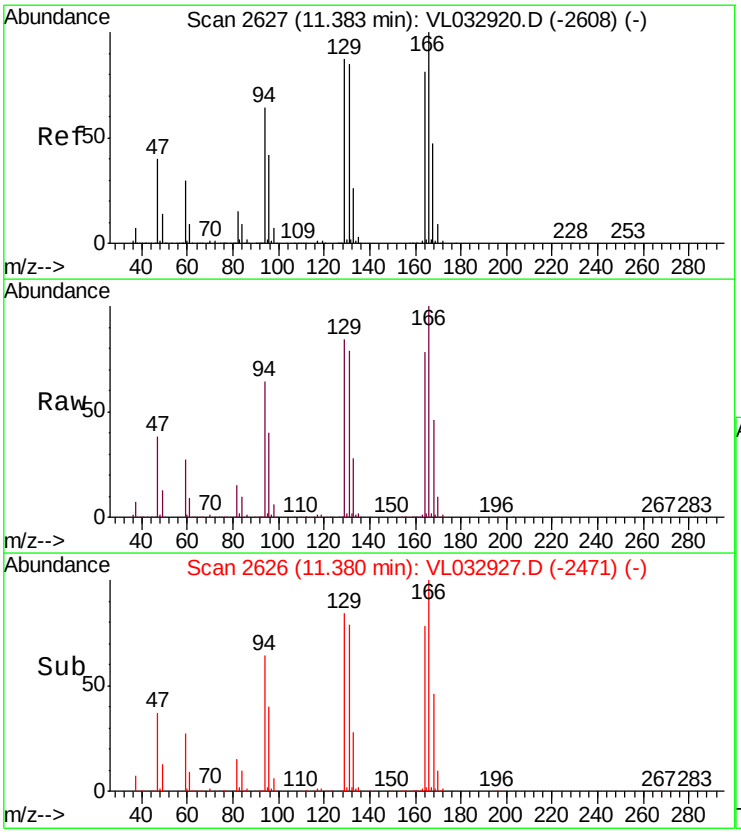
#51
2-Hexanone
Concen: 11.629 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 43 Resp: 1835490

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.1	57.1
98	0.3	0.4	0.6#

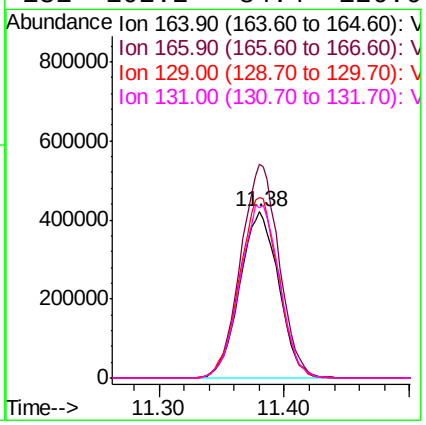


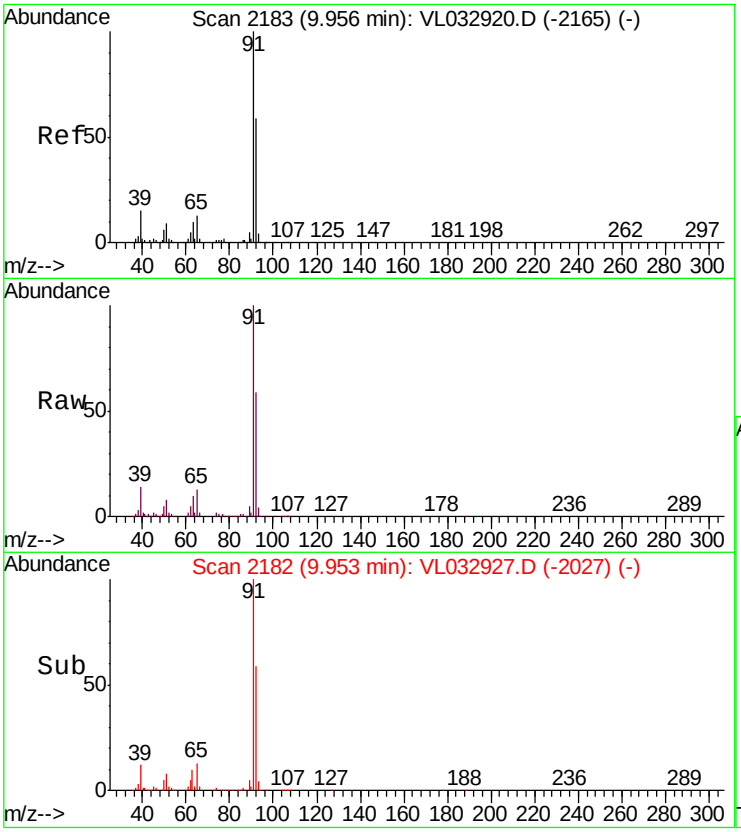


#52
Tetrachloroethene
Concen: 10.070 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:164 Resp: 900166

Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.8	148.2
129	108.7	85.5	128.3
131	102.2	84.4	126.6



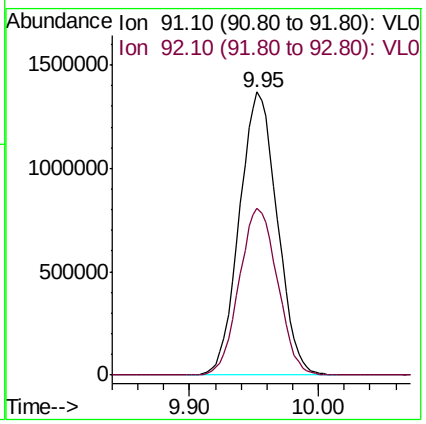


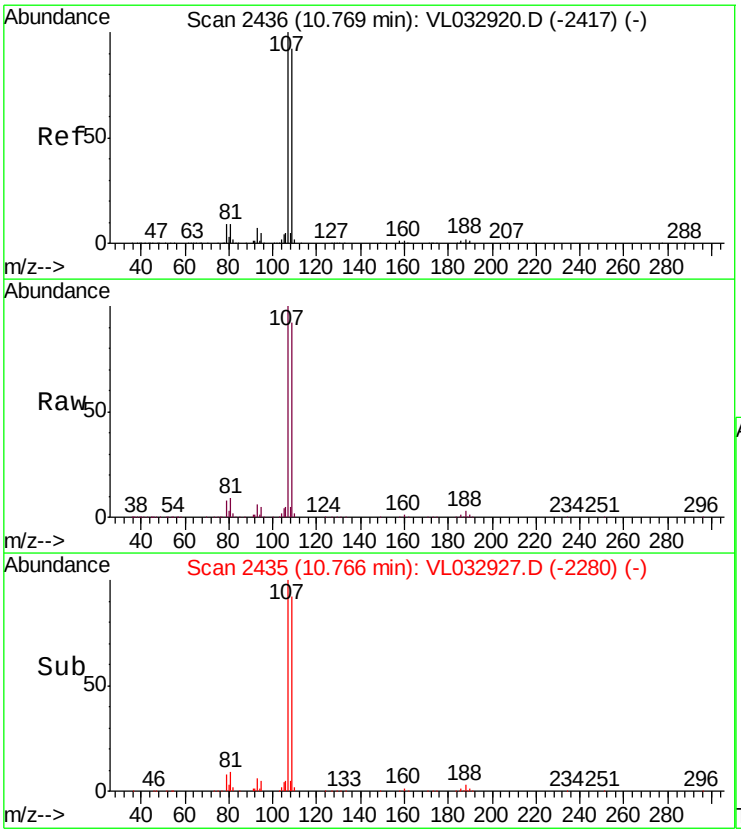
#53
Toluene
Concen: 10.728 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 91 Resp: 2796118

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.4	71.0

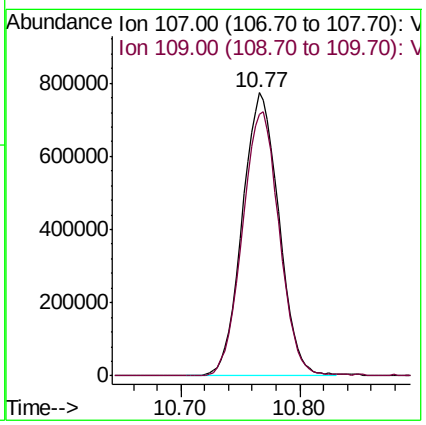


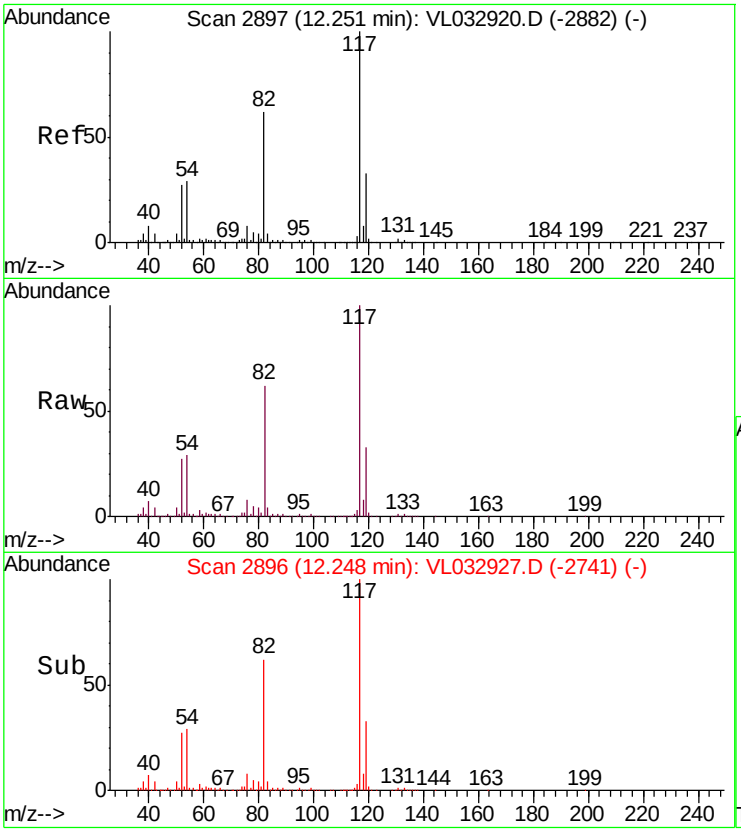


#54
1,2-Dibromoethane
Concen: 10.268 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:107 Resp: 1645509

Ion	Ratio	Lower	Upper
107	100		
109	92.4	73.4	110.2



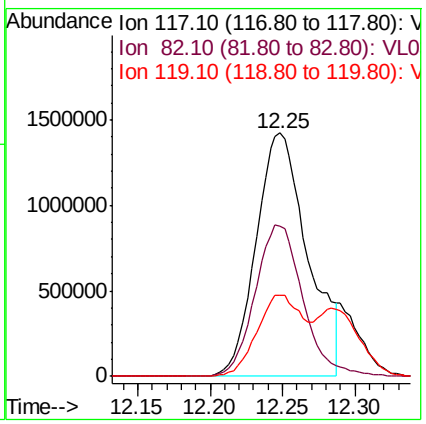


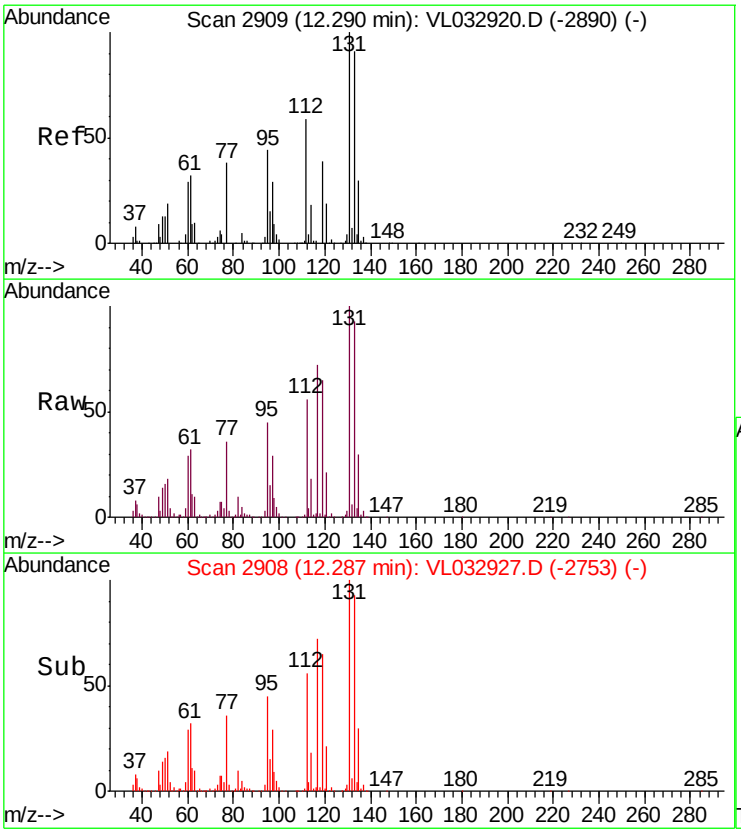
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:117 Resp: 3525077

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.8
119	30.6	43.1	64.7#

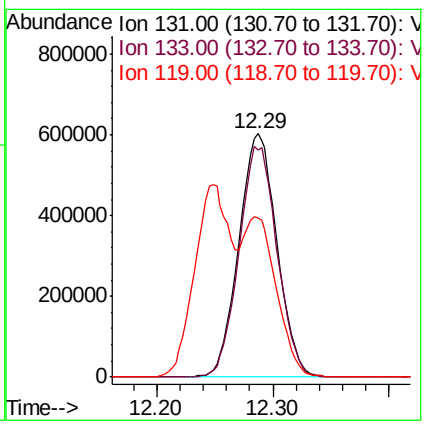


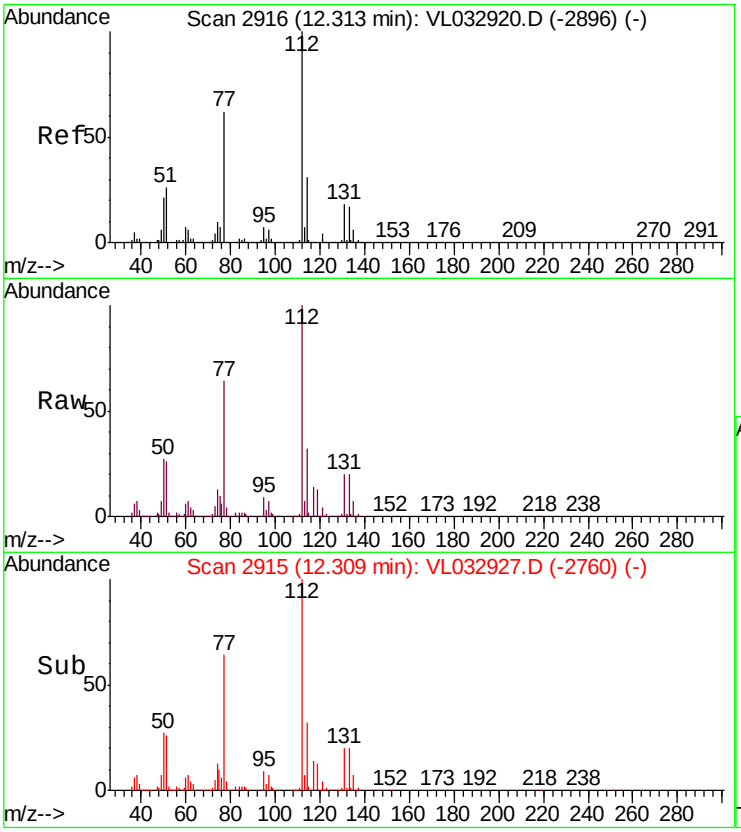


#56
1,1,1,2-Tetrachloroethane
Concen: 8.743 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:131 Resp: 1374025

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.1	112.7
119	57.0	47.5	71.3



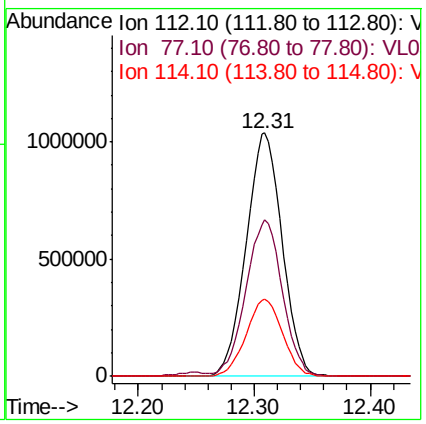


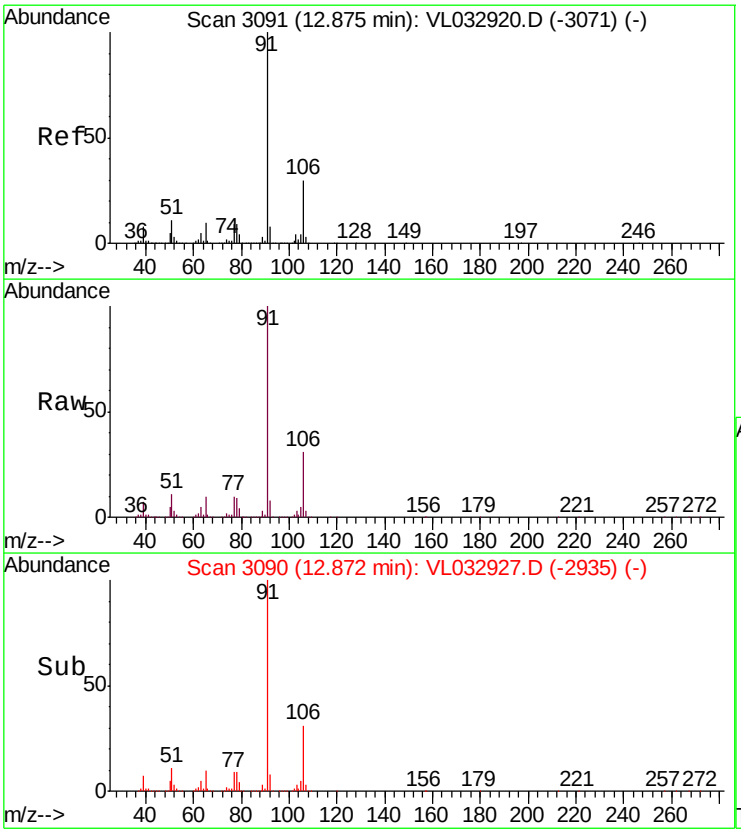
#57
Chlorobenzene
Concen: 8.831 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:112 Resp: 2248265

Ion	Ratio	Lower	Upper
112	100		
77	64.0	51.1	76.7
114	31.9	28.4	34.7

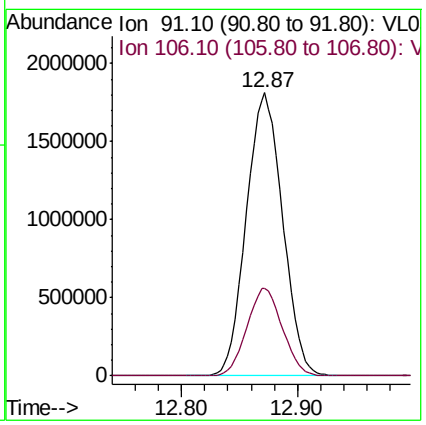


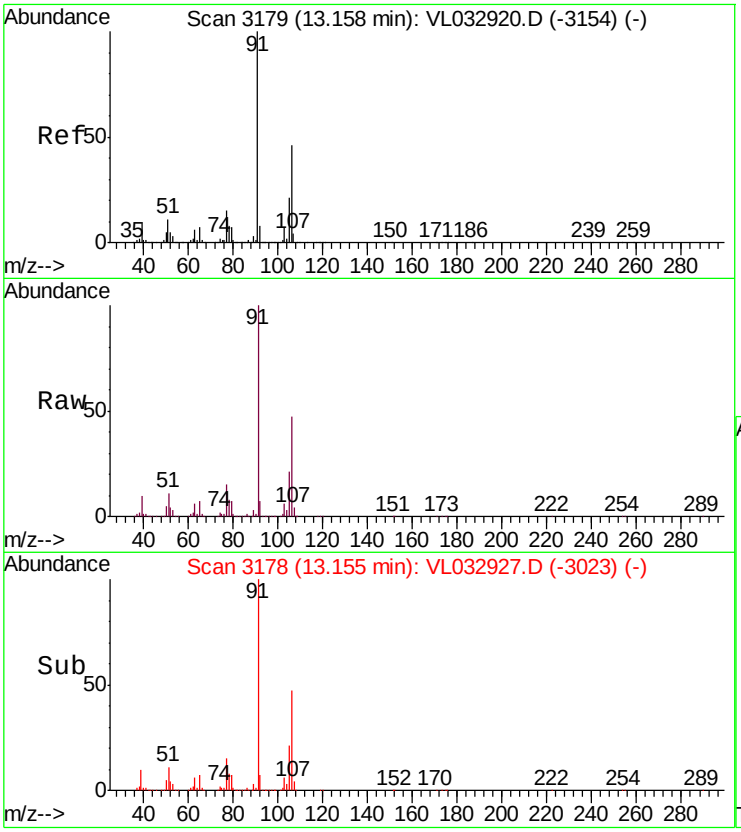


#58
Ethyl Benzene
Concen: 10.501 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 91 Resp: 3948990

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



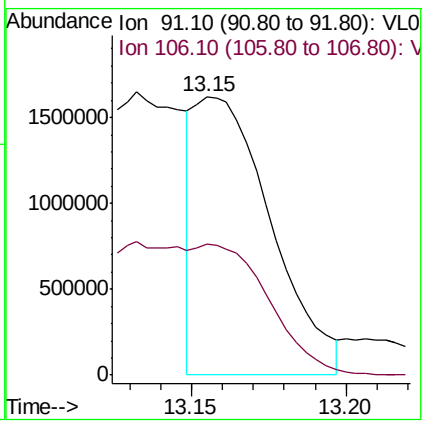


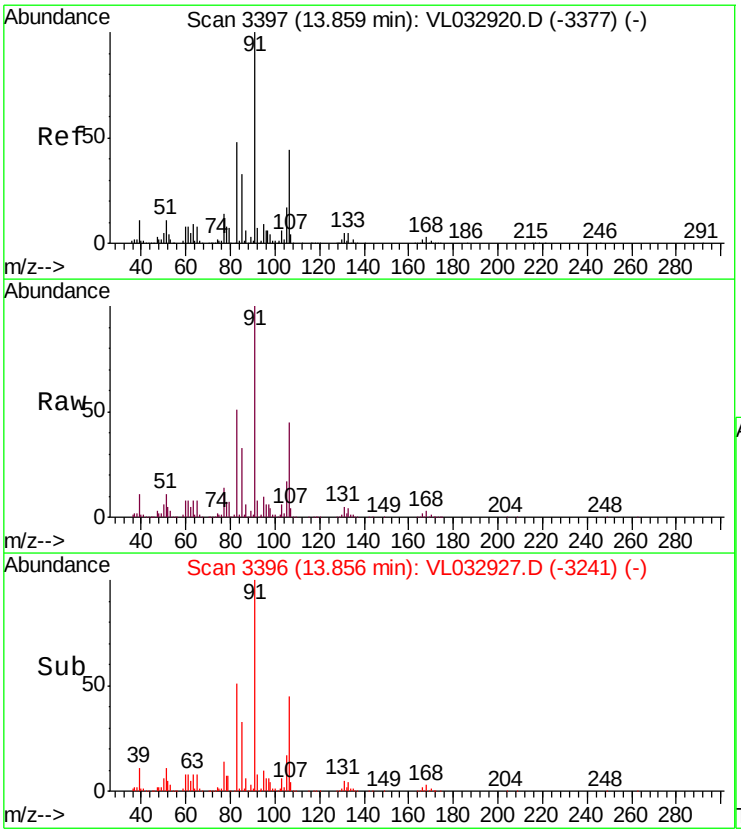
#59
m/p-Xylene
Concen: 8.121 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 91 Resp: 2768668

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

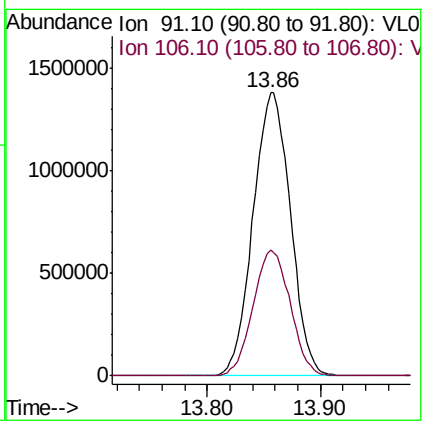


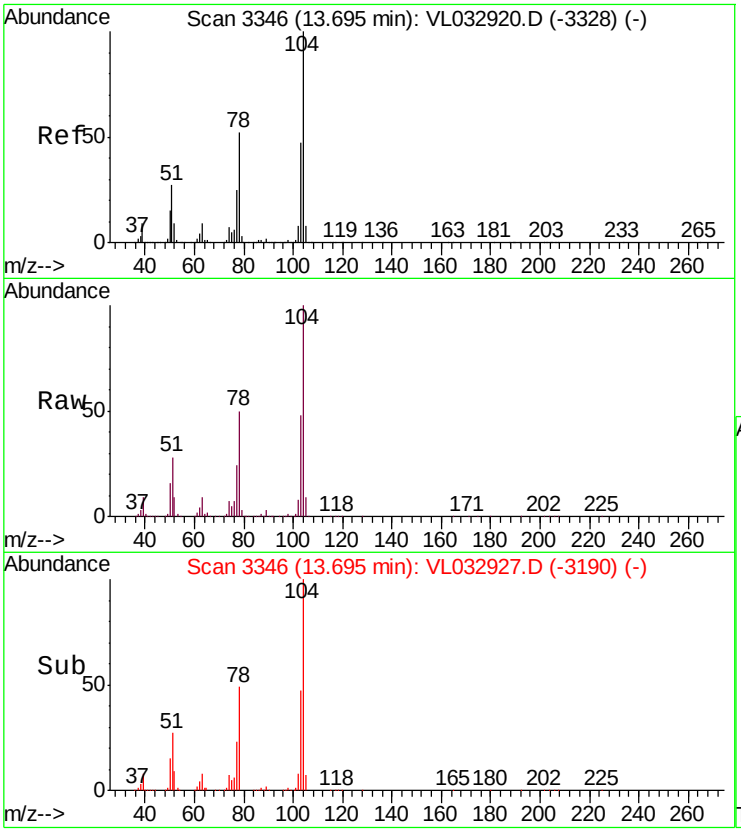


#60
o-Xylene
Concen: 9.201 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 91 Resp: 3168007

Ion	Ratio	Lower	Upper
91	100		
106	44.2	21.9	65.8



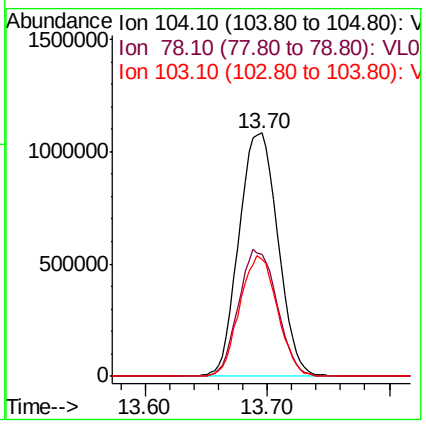


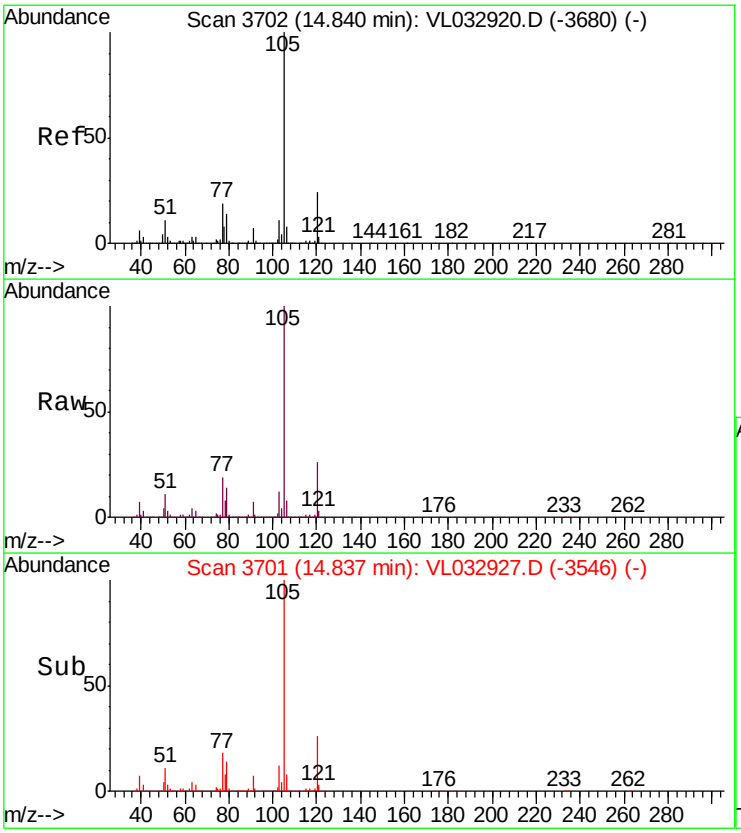
#61
Styrene
Concen: 10.458 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:104 Resp: 2395233

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.0	63.0
103	47.8	38.3	57.5

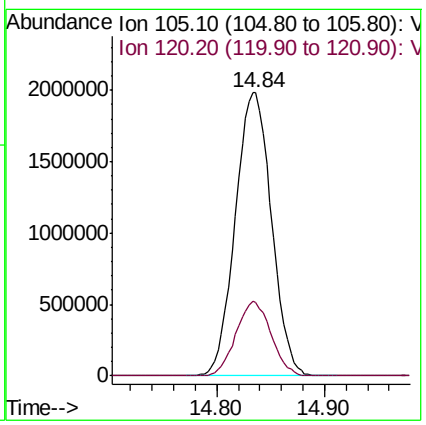


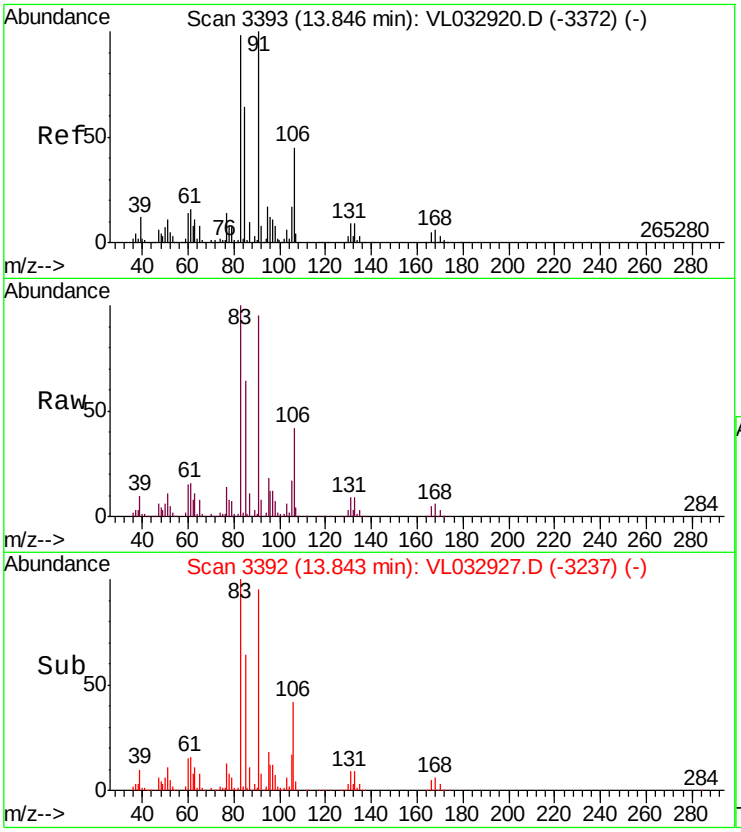


#62
Isopropylbenzene
Concen: 9.617 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:105 Resp: 4619527

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5



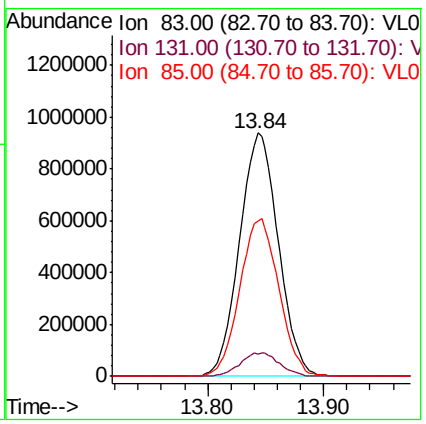


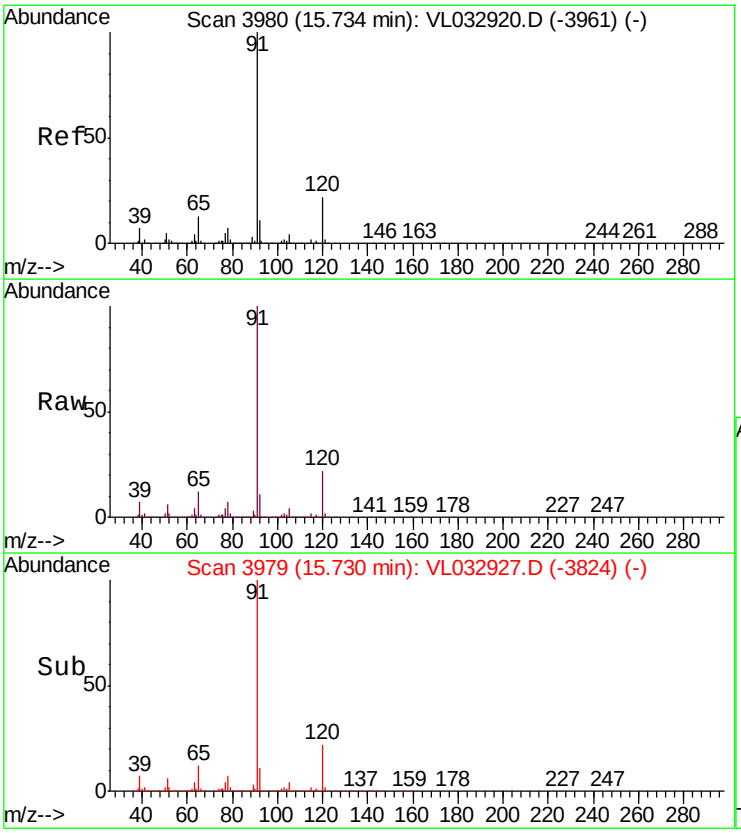
#63
1,1,2,2-Tetrachloroethane
Concen: 8.154 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 83 Resp: 2180009

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	65.4	32.9	98.6

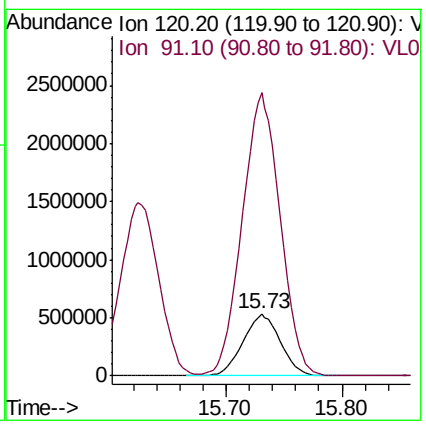


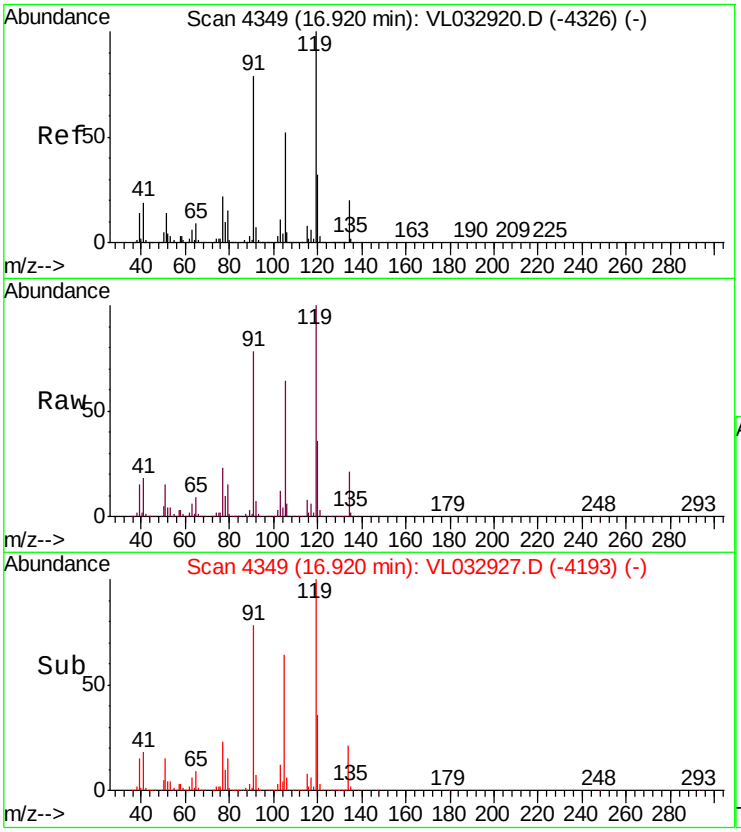


#64
n-propylbenzene
Concen: 9.547 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:120 Resp: 1191113

Ion	Ratio	Lower	Upper
120	100		
91	466.3	380.4	570.6



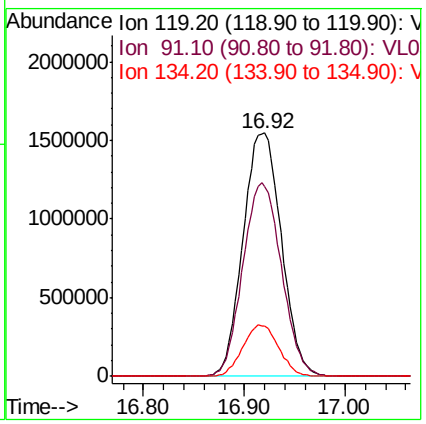


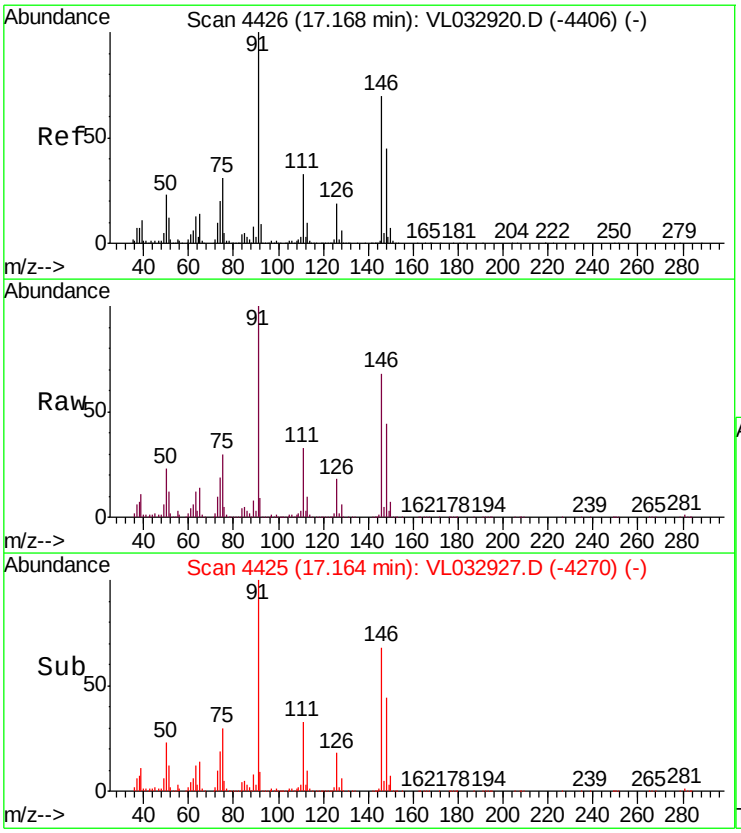
#65
tert-Butylbenzene
Concen: 9.171 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:119 Resp: 4083984

Ion	Ratio	Lower	Upper
119	100		
91	80.2	64.5	96.7
134	19.8	15.7	23.5

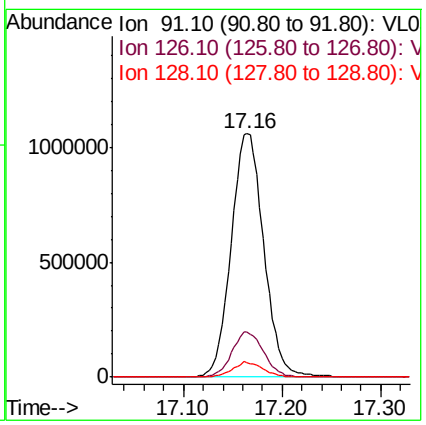


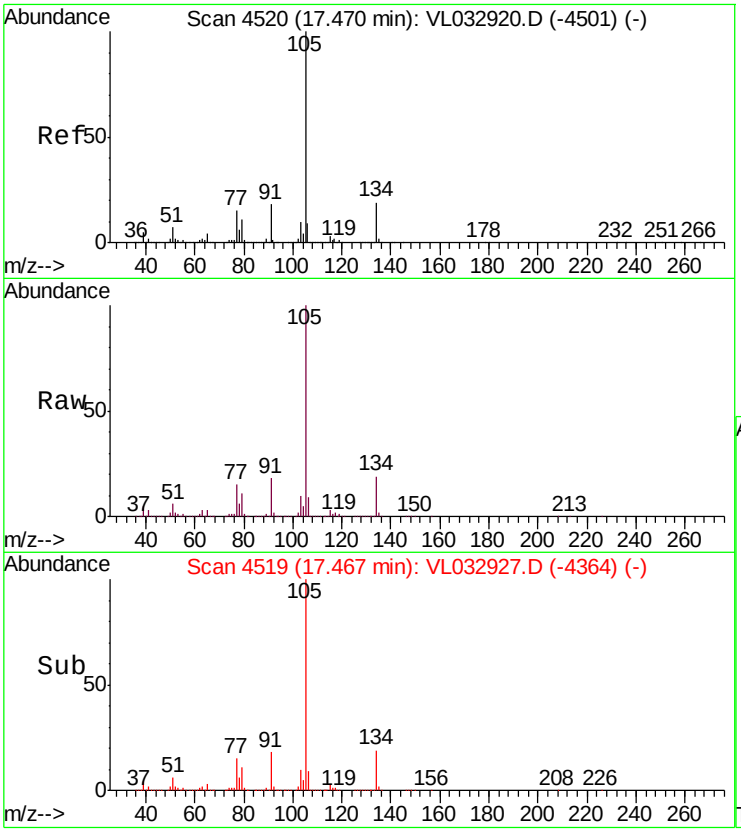


#66
Benzyl Chloride
Concen: 9.827 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 91 Resp: 2425587

Ion	Ratio	Lower	Upper
91	100		
126	18.2	14.1	21.1
128	5.8	4.5	6.7



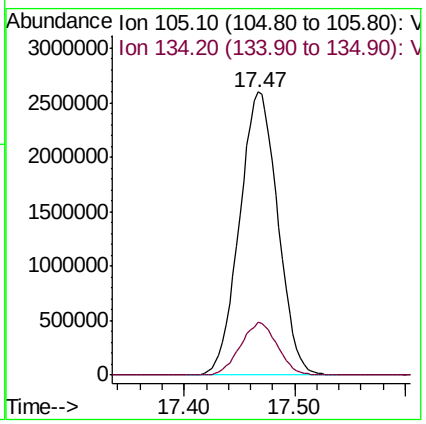


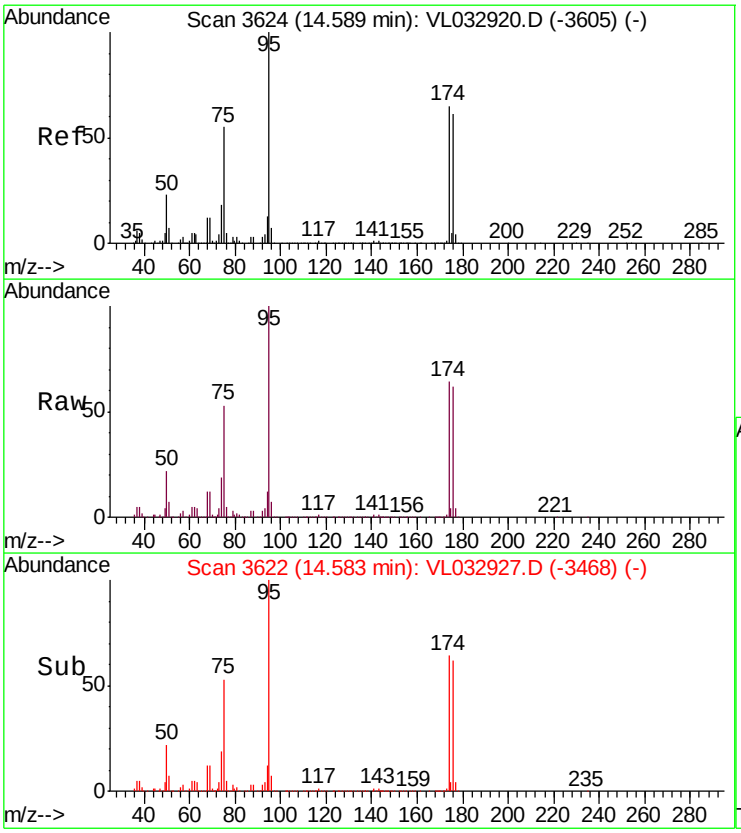
#67
sec-Butylbenzene
Concen: 9.518 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:105 Resp: 6249475

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	21.8

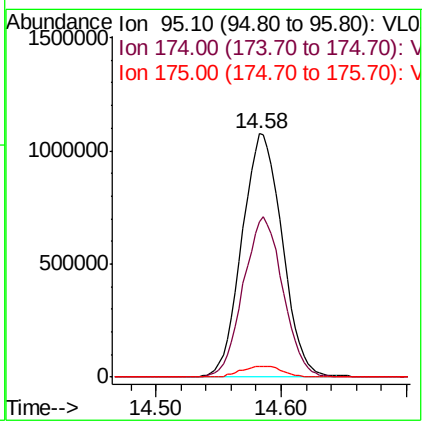


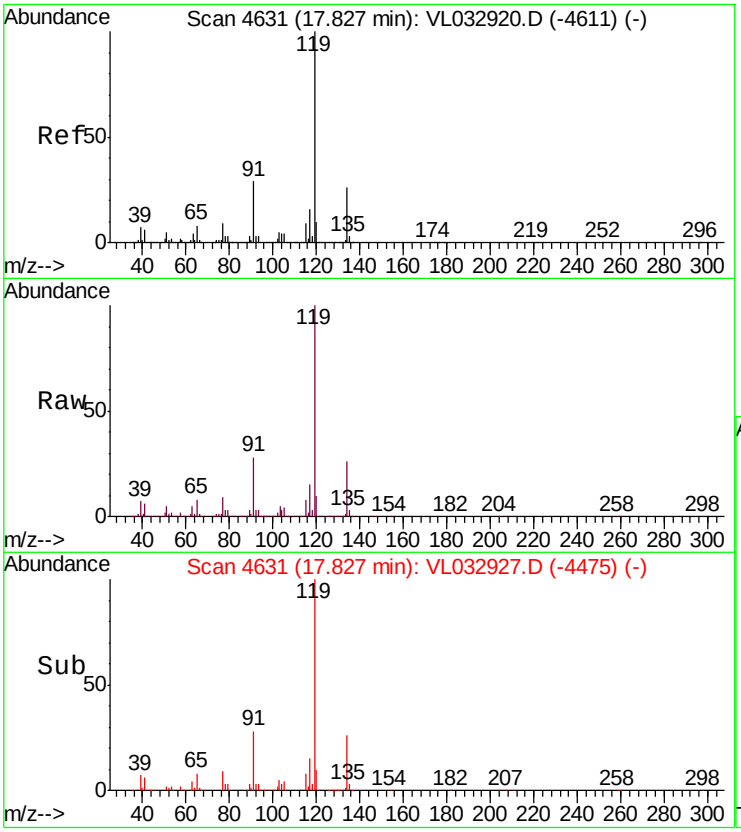


#68
1-Bromo-4-Fluorobenzene
Concen: 9.199 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 95 Resp: 2395610

Ion	Ratio	Lower	Upper
95	100		
174	65.3	51.4	77.0
175	4.7	3.8	5.6



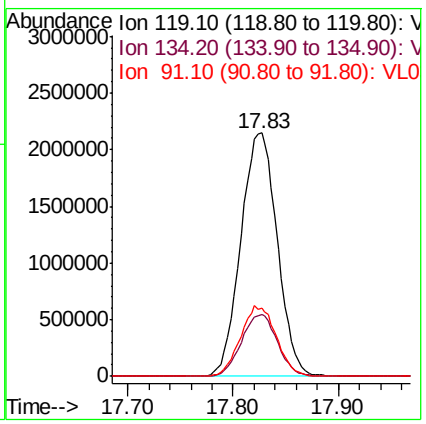


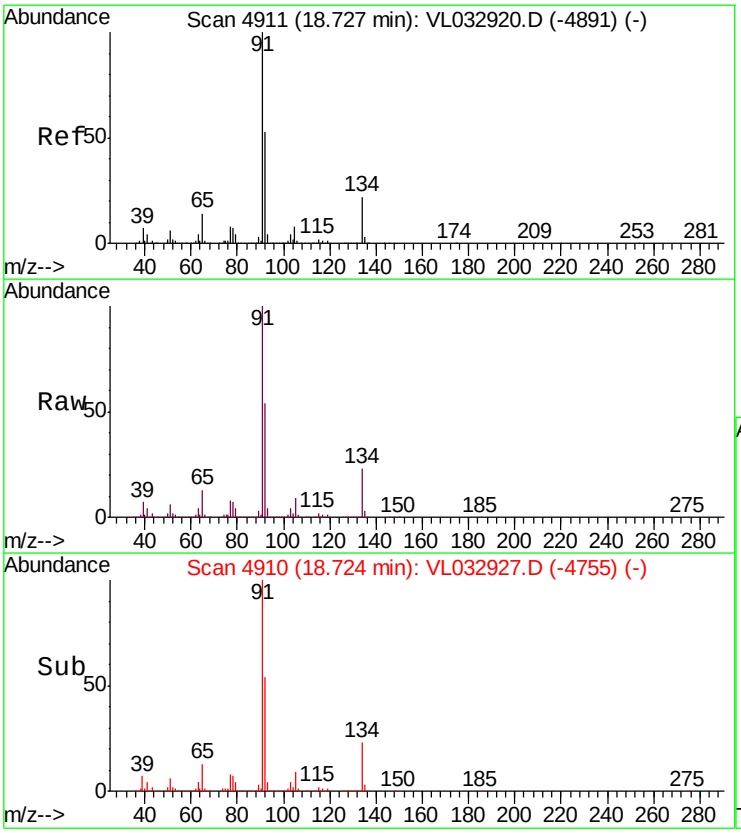
#69
p-Isopropyltoluene
Concen: 9.698 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:119 Resp: 5160131

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.6	22.9	34.3

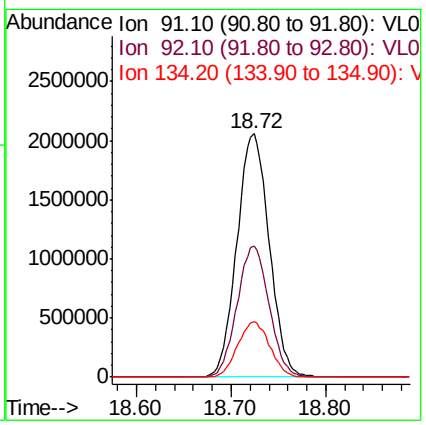


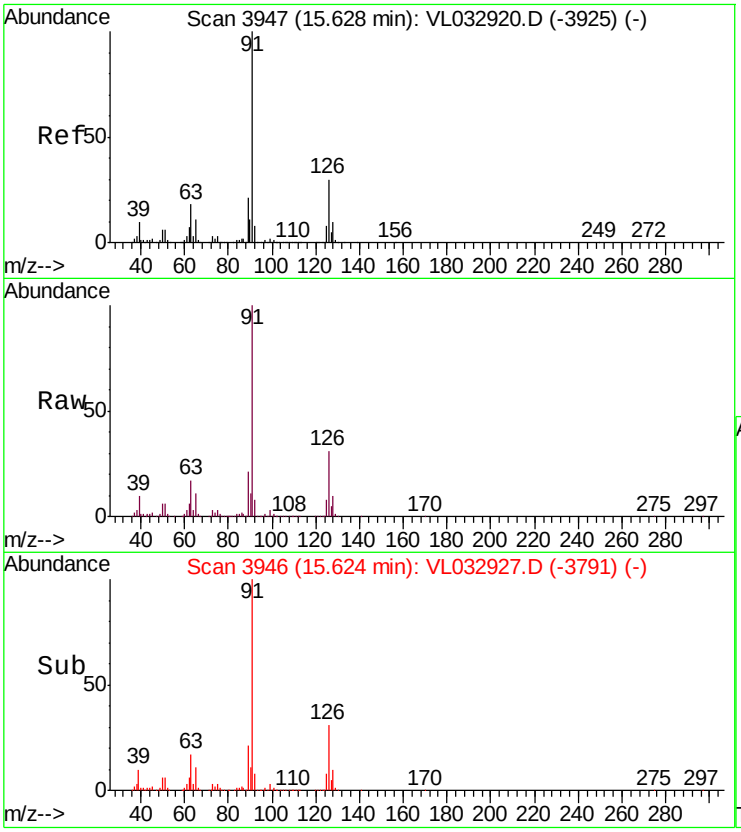


#70
n-Butylbenzene
Concen: 9.970 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 91 Resp: 4880777

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.7	64.1
134	22.7	18.0	27.0



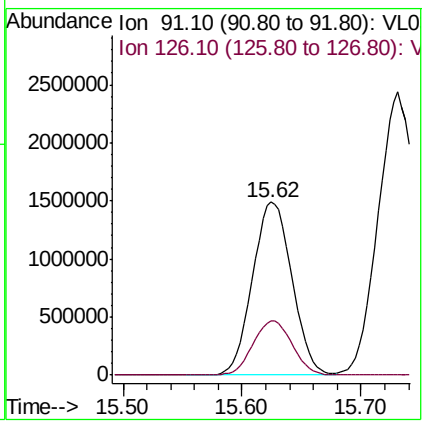


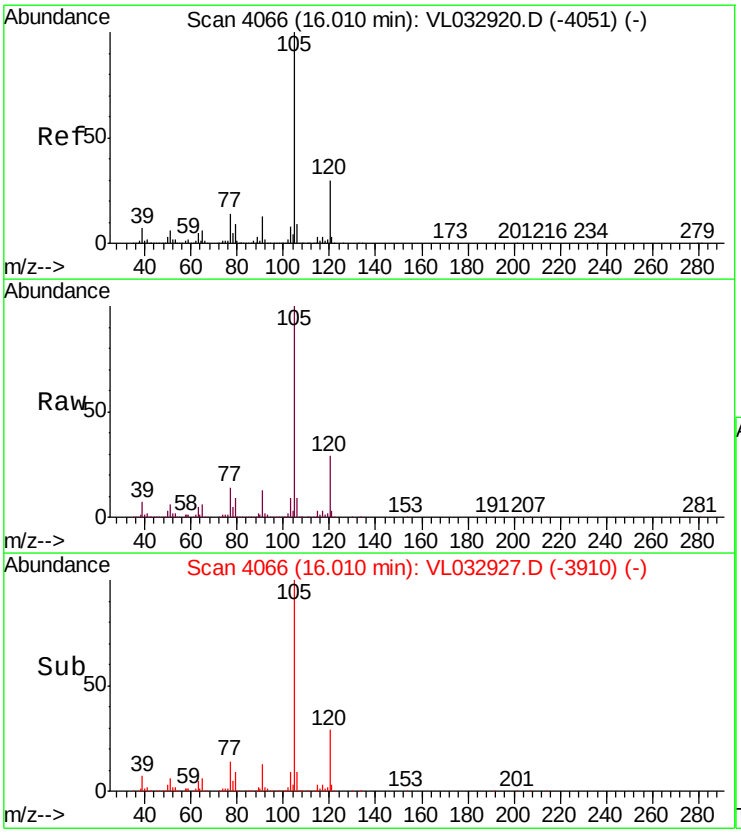
#71
2-Chlorotoluene
Concen: 9.574 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion: 91 Resp: 3420166

Ion	Ratio	Lower	Upper
91	100		
126	31.3	12.3	49.3

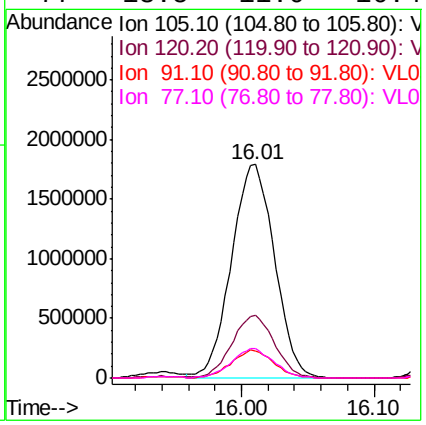


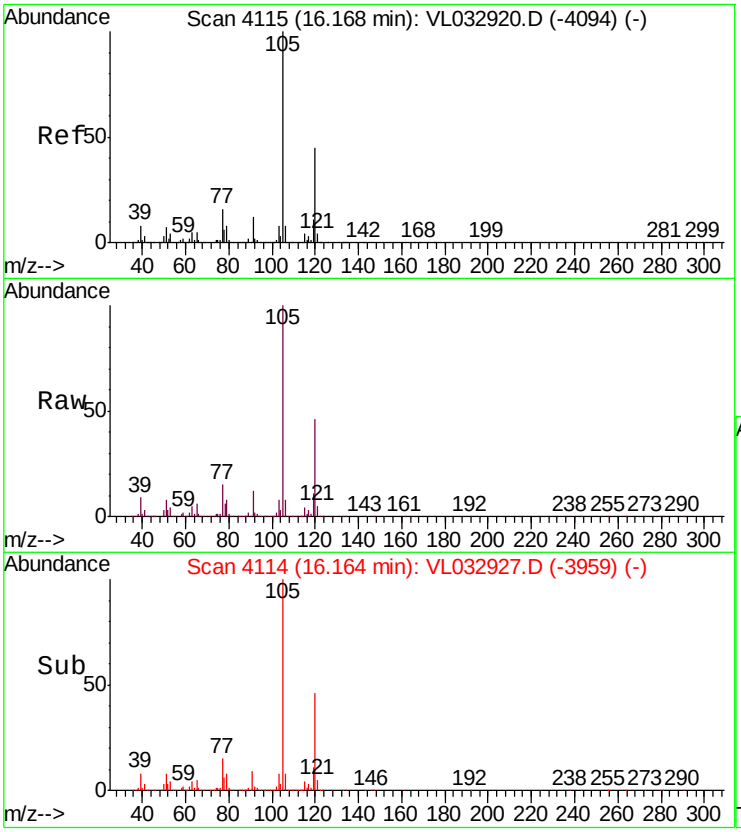


#72
4-Ethyltoluene
Concen: 10.510 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:105 Resp: 4039991

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.0	34.4
91	12.6	10.4	15.6
77	13.5	11.0	16.4



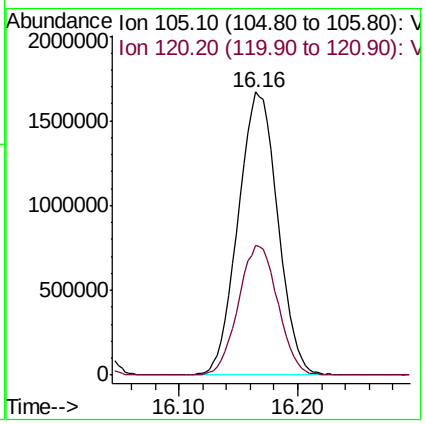


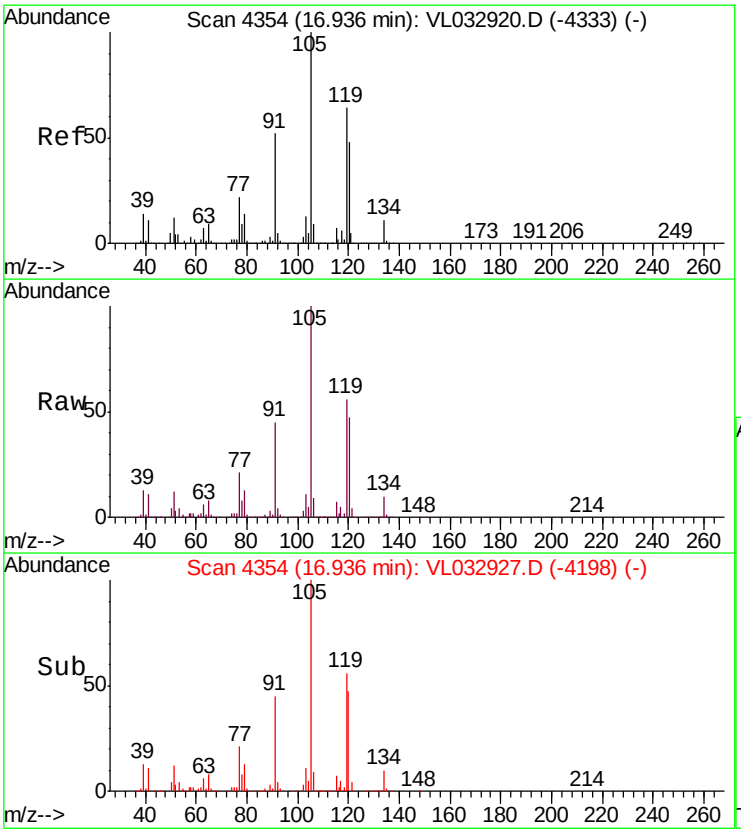
#73
1,3,5-Trimethylbenzene
Concen: 10.258 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument : MSVOA_L
ClientSampleId : ICVVL120718

Tgt Ion:105 Resp: 3849298

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.0	54.0

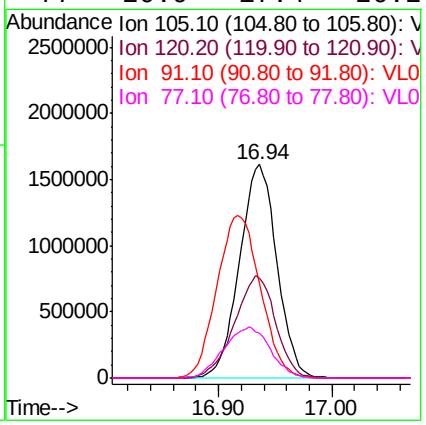


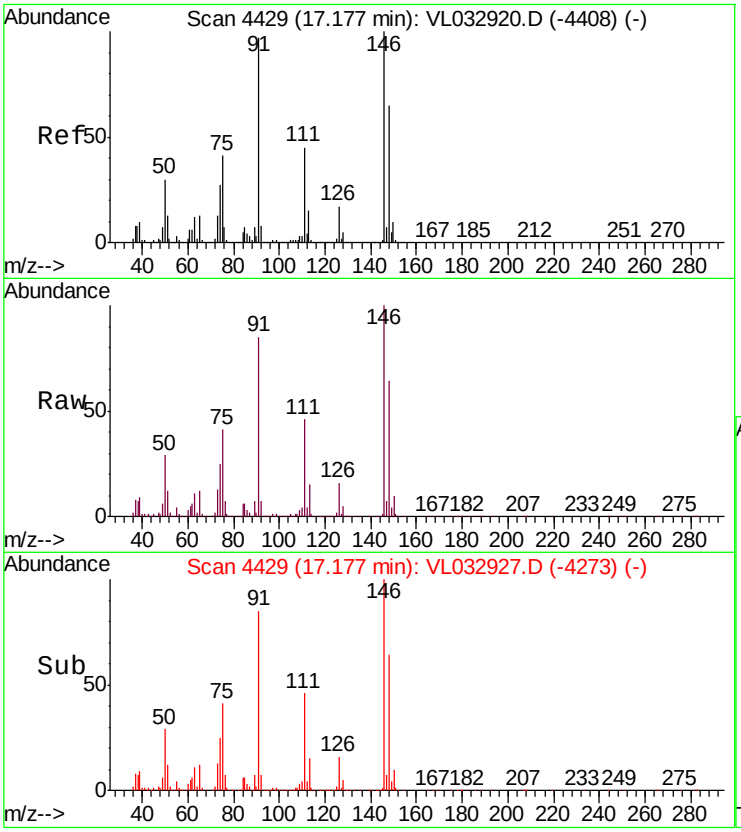


#74
1,2,4-Trimethylbenzene
Concen: 8.727 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:105 Resp: 3697920

Ion	Ratio	Lower	Upper
105	100		
120	47.0	38.6	58.0
91	44.6	41.7	62.5
77	20.9	17.4	26.2



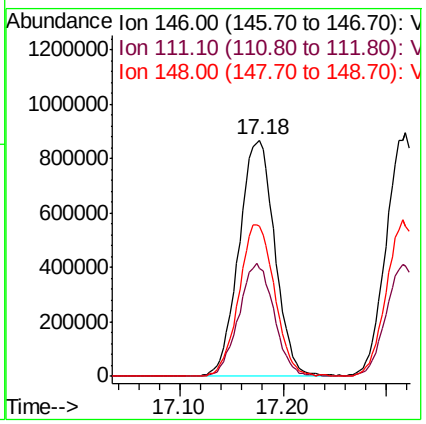


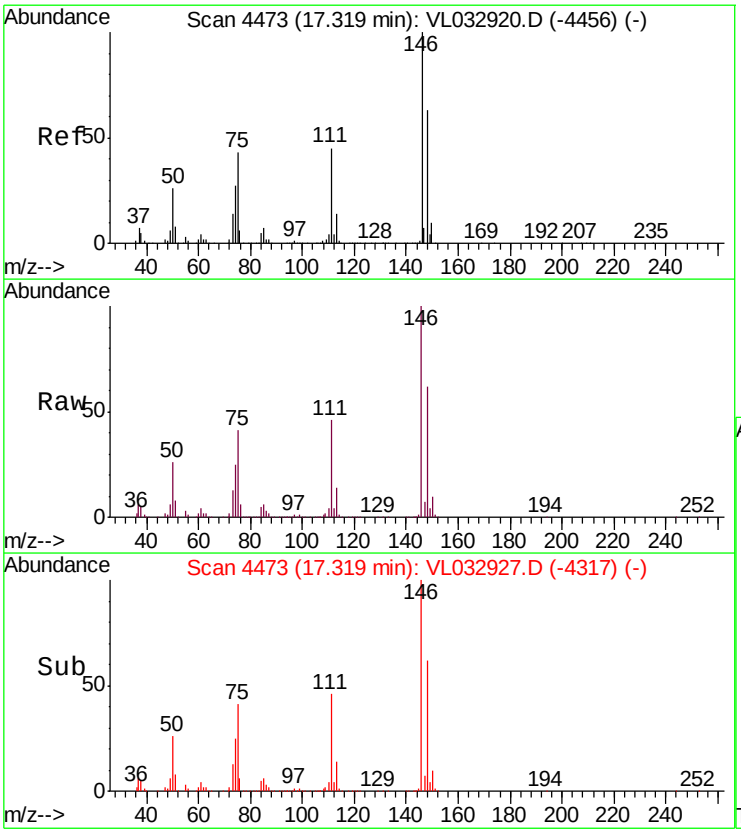
#75
1,3-Dichlorobenzene
Concen: 8.392 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:146 Resp: 2094066

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.6	70.8
148	64.1	32.1	96.3

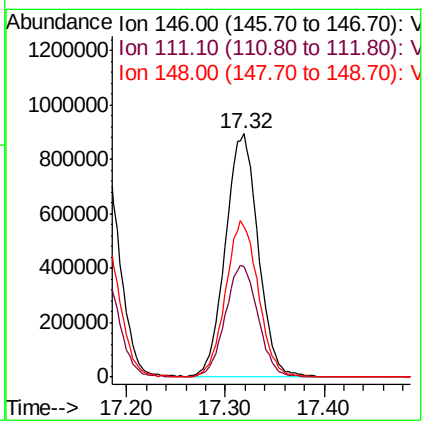


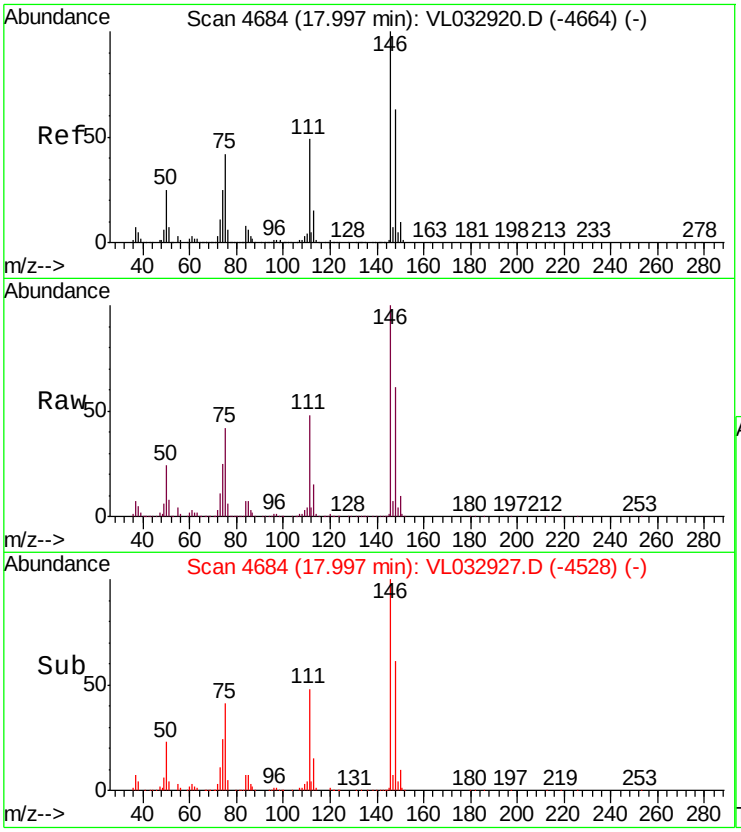


#76
1,4-Dichlorobenzene
Concen: 8.871 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:146 Resp: 2065409

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.8	68.4
148	64.1	32.0	96.2



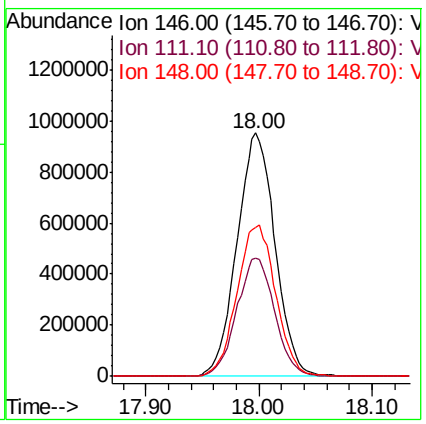


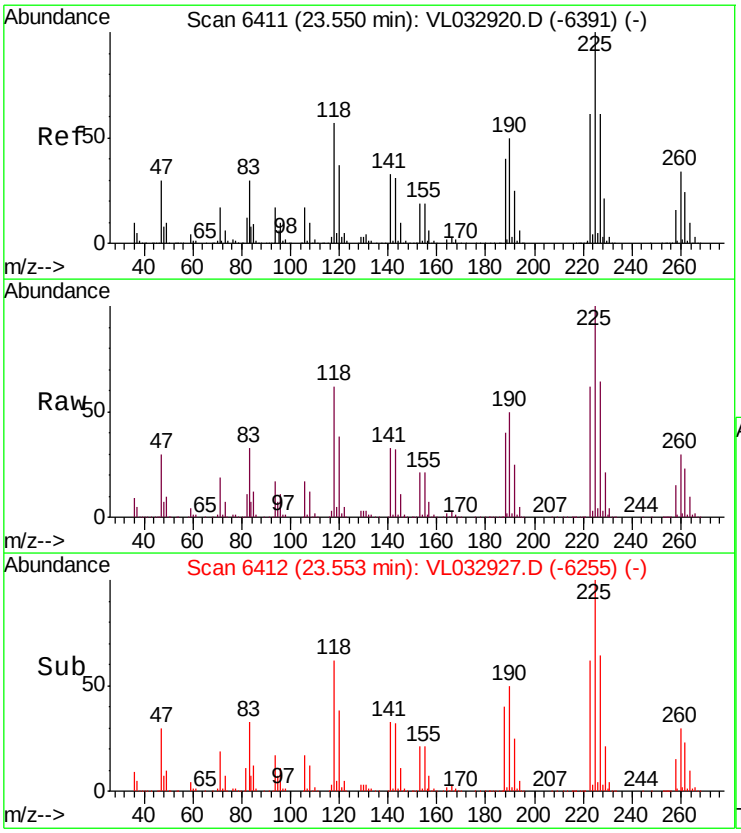
#77
1,2-Dichlorobenzene
Concen: 9.552 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:146 Resp: 2225756

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.3	72.9
148	63.4	32.0	96.2

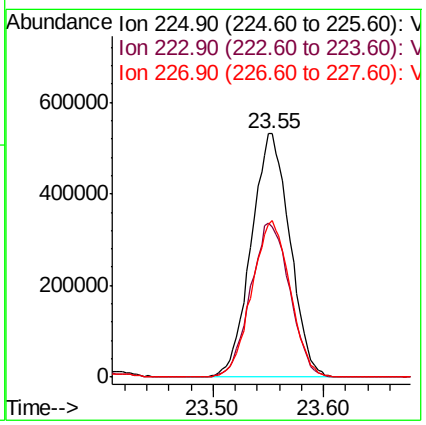


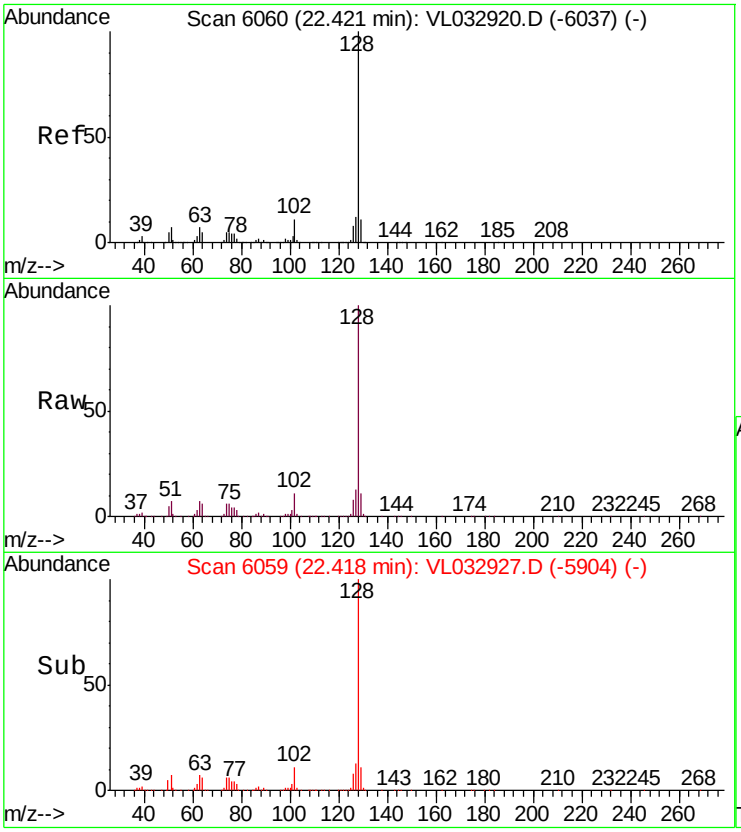


#78
Hexachloro-1,3-Butadiene
Concen: 10.033 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:225 Resp: 1285726

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.6	75.8
227	64.0	50.4	75.6



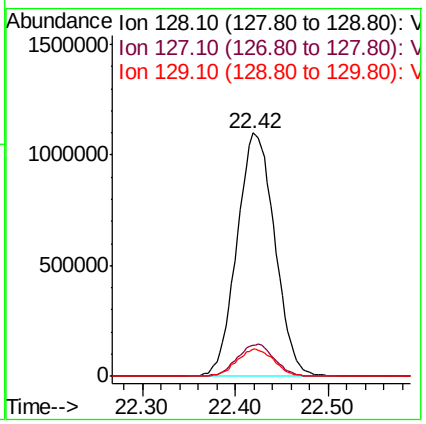


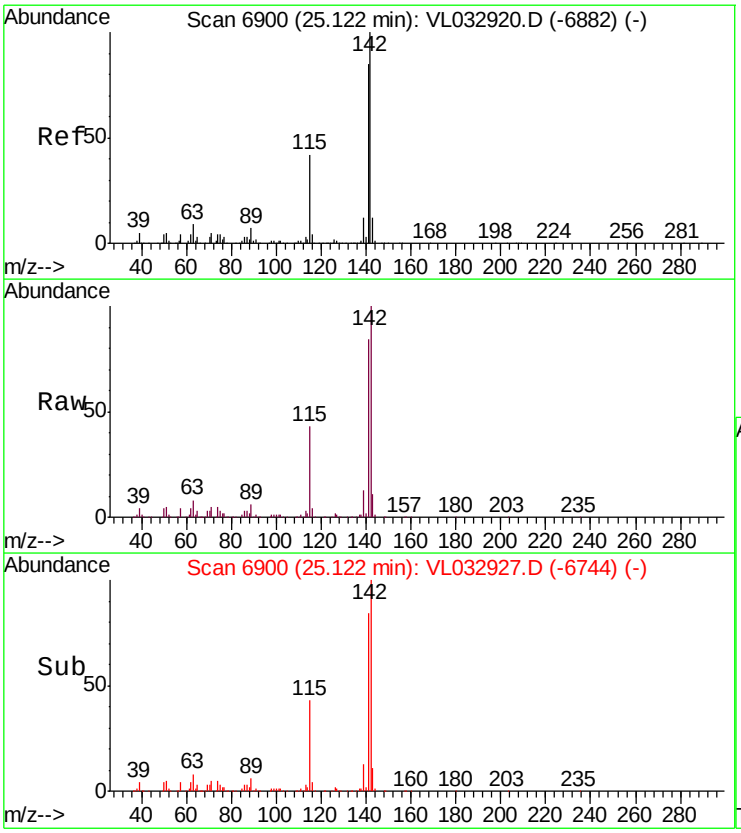
#79
Naphthalene
Concen: 11.362 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:128 Resp: 3108481

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.4	8.6	13.0

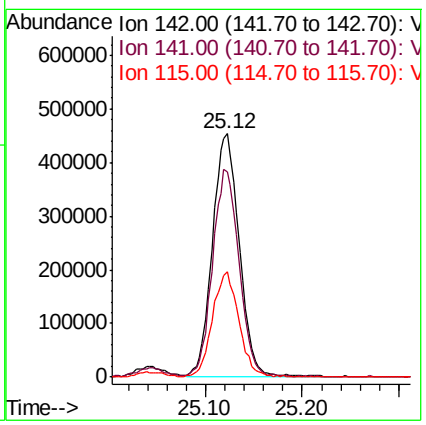


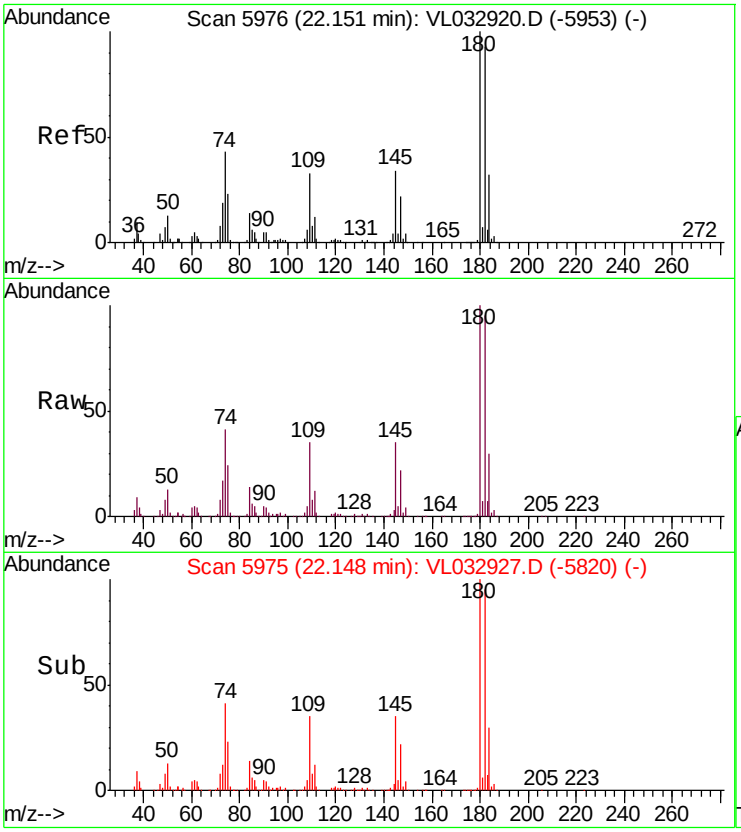


#80
Naphthalene,2-methyl-
Concen: 14.887 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:142 Resp: 870229

Ion	Ratio	Lower	Upper
142	100		
141	85.6	68.2	102.2
115	42.4	35.1	52.7





#81
1,2,4-Trichlorobenzene
Concen: 10.647 ppbv
RT: 22.15 min Scan# 5975
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:180 Resp: 1544861

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	30.3	24.3	36.5