Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032926.D
Acq On : 7 Dec 2018 7:29
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Dec 07 08:00:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 07:35:40 2018
QLast Update : Fri Dec 07 07:35:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1169233	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3099274	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3183548	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2316640	9.83	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1861594	11.345	ppbv	98
3) Chlorodifluoromethane	3.02	51	1246108	13.858	ppbv	99
4) Chloromethane	3.17	50	667419	12.518	ppbv	98
5) Vinyl Chloride	3.29	62	700324	13.111	ppbv	98
6) Bromomethane	3.52	94	474732	14.343	ppbv	98
7) Chloroethane	3.60	64	273887	14.464	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1750578	13.166	ppbv	100
9) Propene	3.04	41	502112	14.184	ppbv	99
10) Heptane	8.25	43	2205779	17.280	ppbv	99
11) Trichlorofluoromethane	4.01	101	2041606	13.629	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1740285	13.614	ppbv	100
13) Ethanol	3.65	45	123799	9.355	ppbv	96
14) Bromoethene	3.79	108	625514	15.020	ppbv	99
15) Acetone	3.90	43	1289029	12.399	ppbv	100
16) 1,3-Butadiene	3.37	39	565357	15.279	ppbv	95
17) tert-Butyl alcohol	4.36	59	326104	12.304	ppbv #	83
18) 1,1-Dichloroethene	4.36	96	648698	12.817	ppbv	98
19) Isopropyl Alcohol	4.03	45	860718	13.358	ppbv	100
20) Methylene Chloride	4.41	84	561898	10.817	ppbv	98
21) Allyl Chloride	4.48	41	1286521	15.924	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	935453	15.426	ppbv	98
23) Vinyl Acetate	5.17	43	2880902	17.708	ppbv	100
24) 1,1-Dichloroethane	5.10	63	2124556	14.232	ppbv	99
25) Ethyl Acetate	5.78	43	3409785	14.236	ppbv	100
26) Hexane	5.79	57	1568709	14.174	ppbv	98
27) Carbon Disulfide	4.62	76	2052419	14.997	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2637609	16.330	ppbv	100
29) Chloroform	5.86	83	2705977	13.596	ppbv	96
30) Cyclohexane	7.25	84	1491140	16.841	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1657757	16.929	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	3013855	14.518	ppbv	99
34) 2-Butanone	5.34	43	2056025	15.288	ppbv	98
35) Carbon Tetrachloride	7.14	117	3295193	13.309	ppbv	99
36) Benzene	7.01	78	3489771	15.388	ppbv	98
37) 1,2-Dichloroethane	6.42	62	2269331	14.530	ppbv	99
38) Trichloroethene	7.97	130	1444139	15.260	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1318872	15.321	ppbv	95
40) 1,4-Dioxane	7.96	88	471030	14.741	ppbv #	97
41) Tetrahydrofuran	6.15	42	1368191	16.655	ppbv	99
42) Bromodichloromethane	7.93	83	3171776	14.689	ppbv	98
43) Methyl Methacrylate	8.15	69	1437330	17.608	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032926.D
Acq On : 7 Dec 2018 7:29
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Dec 07 08:00:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 07:35:40 2018
QLast Update : Fri Dec 07 07:35:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5931233	15.412	ppbv		99
45) t-1,3-Dichloropropene	9.43	75	2020026	21.087	ppbv		96
46) cis-1,3-Dichloropropene	8.84	75	2436541	20.676	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1405232	14.710	ppbv		98
48) Dibromochloromethane	10.46	129	2836884	16.132	ppbv		100
49) Bromoform	13.22	173	2380859	16.551	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3653097	17.482	ppbv		100
51) 2-Hexanone	10.28	43	2589585	18.517	ppbv		99
52) Tetrachloroethene	11.39	164	1280216	15.515	ppbv		98
53) Toluene	9.96	91	4143673	17.773	ppbv		99
54) 1,2-Dibromoethane	10.77	107	2535546	17.662	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1947898	13.438	ppbv	#	73
57) Chlorobenzene	12.31	112	3165658	13.491	ppbv		98
58) Ethyl Benzene	12.88	91	5660341	17.143	ppbv		98
59) m/p-Xylene	13.16	91	5008031	16.387	ppbv	#	100
60) o-Xylene	13.86	91	4925197	16.064	ppbv		99
61) Styrene	13.70	104	3733878	19.020	ppbv		100
62) Isopropylbenzene	14.84	105	6639368	15.383	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.85	83	3381119	13.851	ppbv		99
64) n-propylbenzene	15.73	120	1720252	15.335	ppbv		96
65) tert-Butylbenzene	16.92	119	5842855	14.414	ppbv		99
66) Benzyl Chloride	17.17	91	3977742	18.732	ppbv		99
67) sec-Butylbenzene	17.47	105	8867798	14.944	ppbv		99
69) p-Isopropyltoluene	17.83	119	7622720	16.094	ppbv		100
70) n-Butylbenzene	18.72	91	6985792	16.015	ppbv		99
71) 2-Chlorotoluene	15.63	91	5268088	16.699	ppbv		100
72) 4-Ethyltoluene	16.01	105	5830627	17.315	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	5567835	16.830	ppbv		96
74) 1,2,4-Trimethylbenzene	16.94	105	5278021	13.521	ppbv		96
75) 1,3-Dichlorobenzene	17.18	146	3336425	14.758	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	3325766	16.035	ppbv		99
77) 1,2-Dichlorobenzene	18.00	146	3195296	15.231	ppbv		100
78) Hexachloro-1,3-Butadiene	23.56	225	1838027	16.119	ppbv		99
79) Naphthalene	22.42	128	4510216	19.301	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1255361	27.856	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	2249035	17.805	ppbv		99

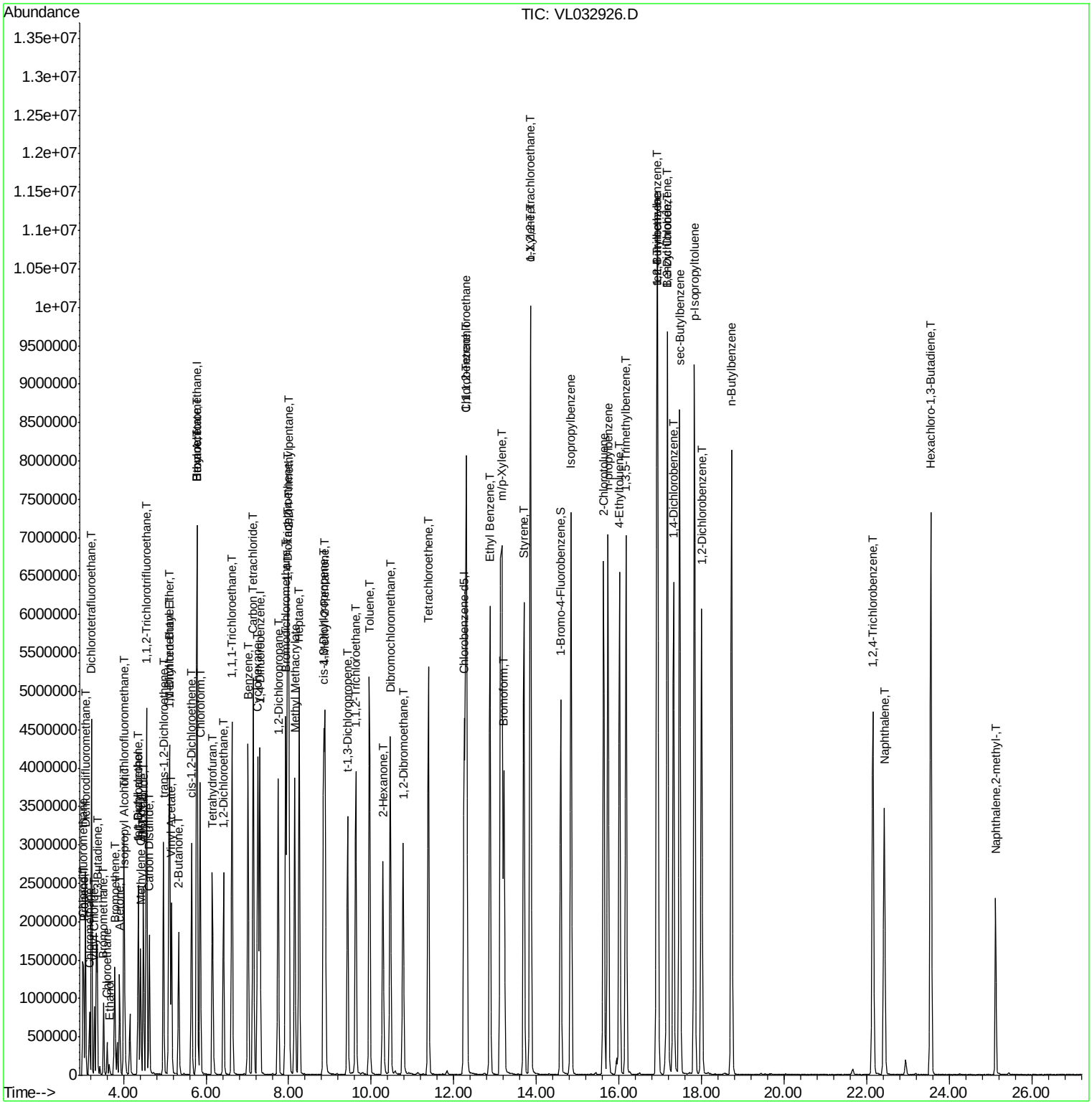
(#) = qualifier out of range (m) = manual integration (+) = signals summed

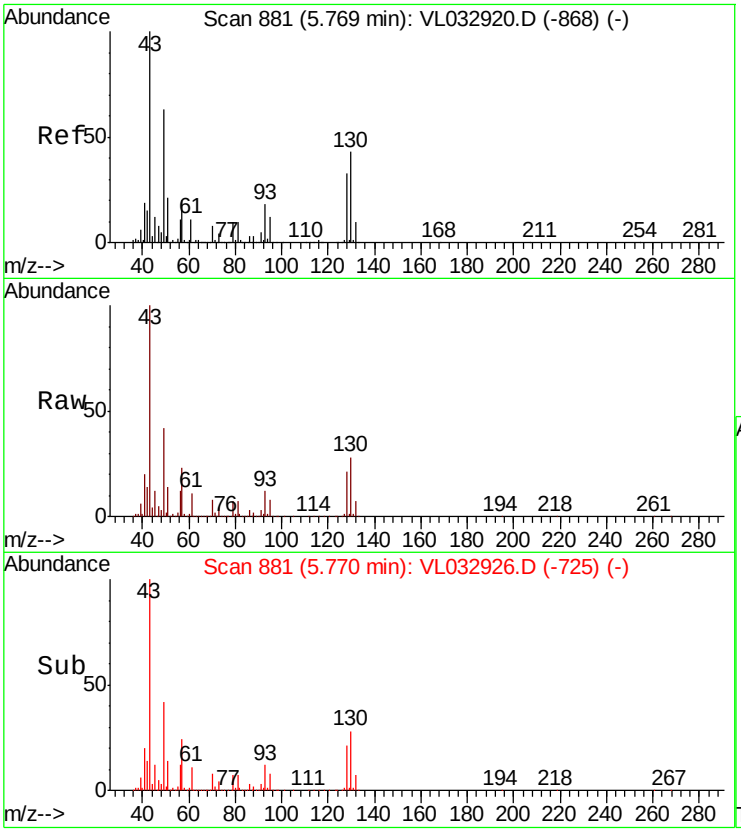
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032926.D
Acq On : 7 Dec 2018 7:29
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Dec 07 08:00:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 07:35:40 2018
QLast Update : Fri Dec 07 07:35:40 2018
Response via : Initial Calibration



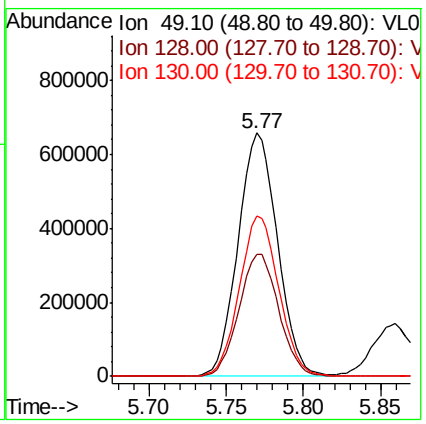


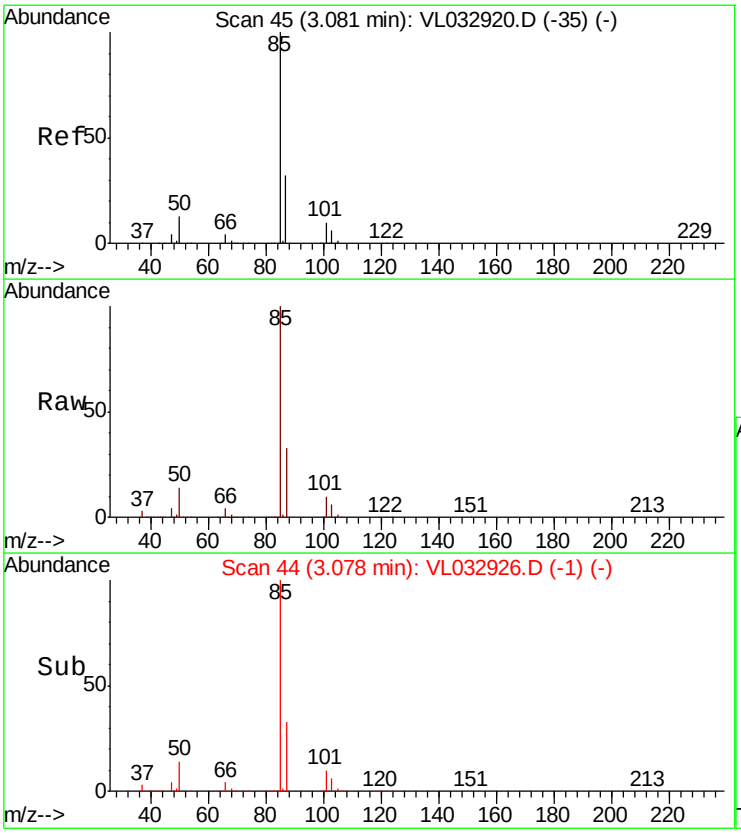
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 1169233

Ion	Ratio	Lower	Upper
49	100		
128	50.9	26.3	78.8
130	65.8	33.9	101.7

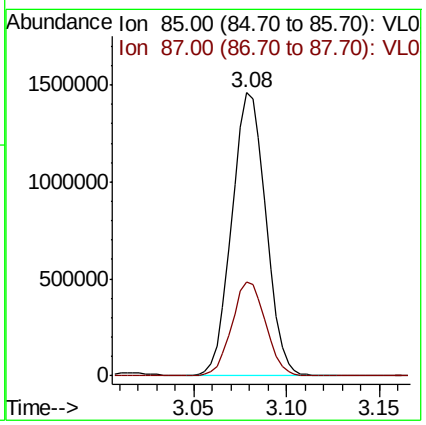


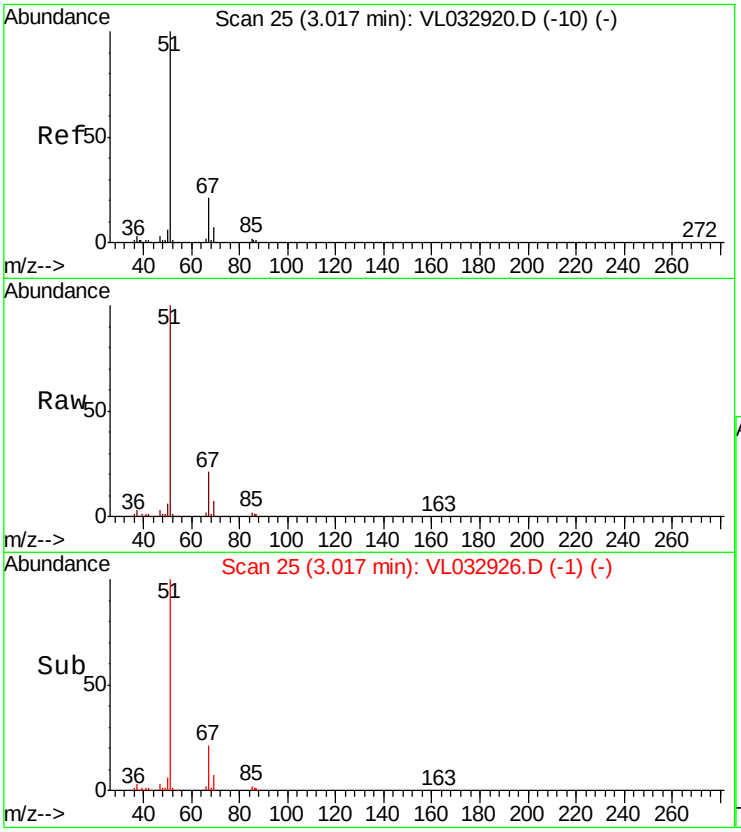


#2
Dichlorodifluoromethane
Concen: 11.345 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 85 Resp: 1861594

Ion	Ratio	Lower	Upper
85	100		
87	33.3	25.7	38.5



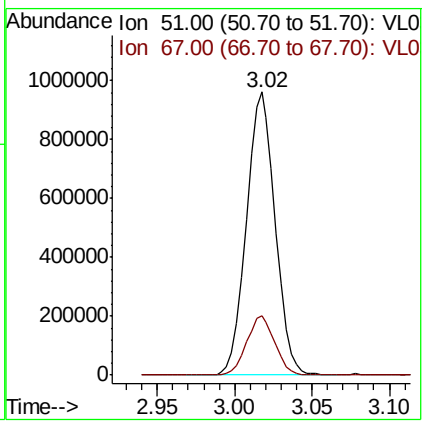


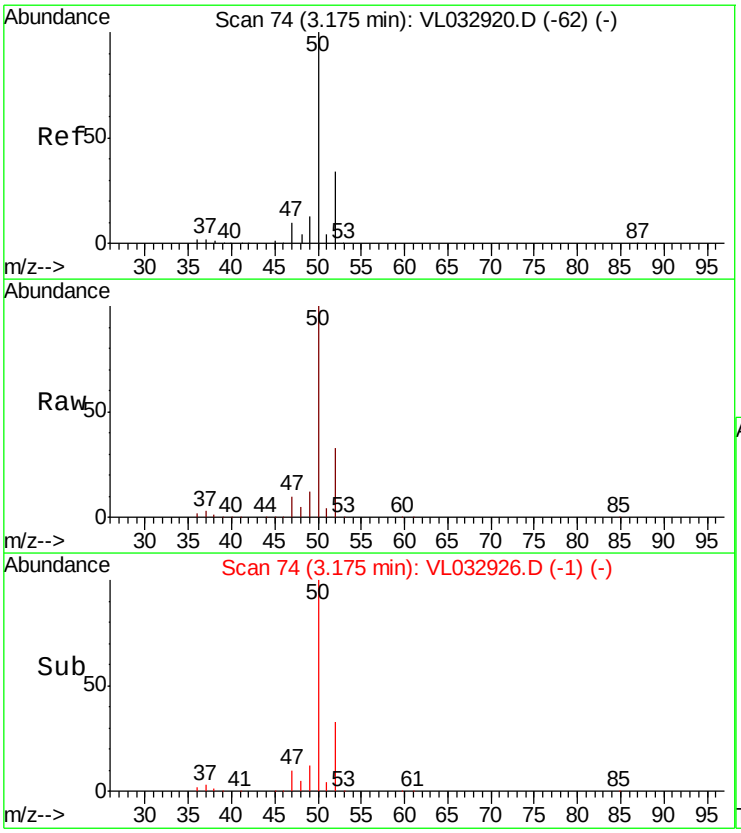
#3
Chlorodifluoromethane
Concen: 13.858 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 1246108

Ion	Ratio	Lower	Upper
51	100		
67	20.6	16.8	25.2

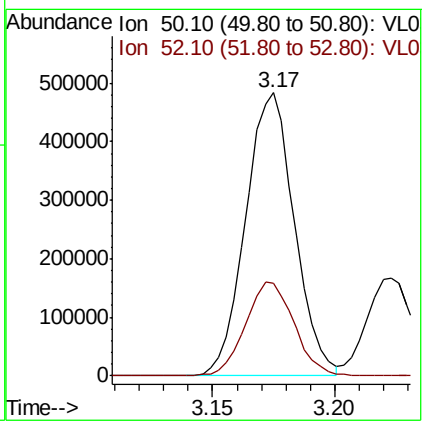


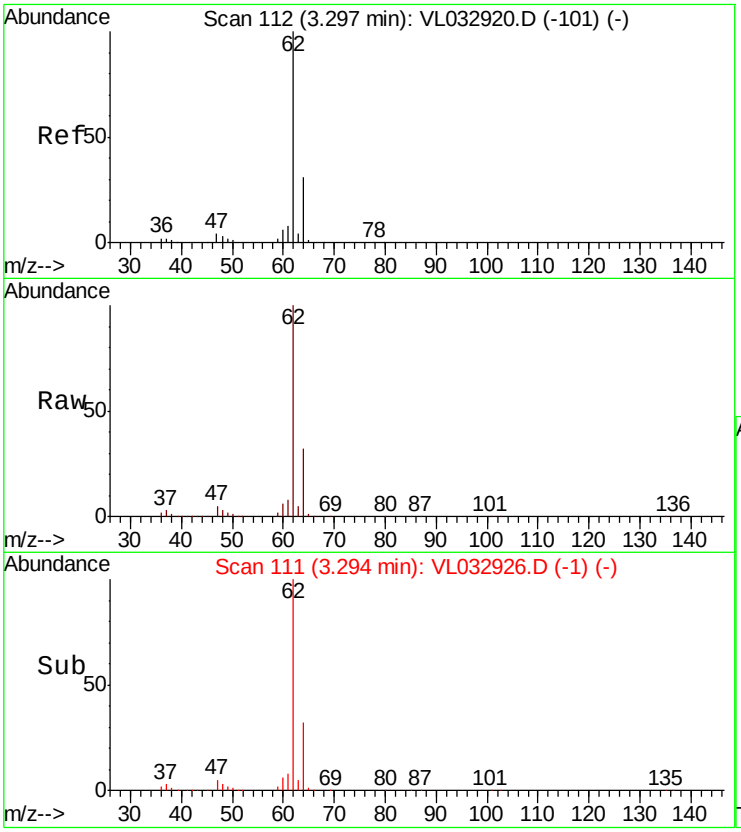


#4
Chloromethane
Concen: 12.518 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 50 Resp: 667419

Ion	Ratio	Lower	Upper
50	100		
52	32.7	27.3	40.9



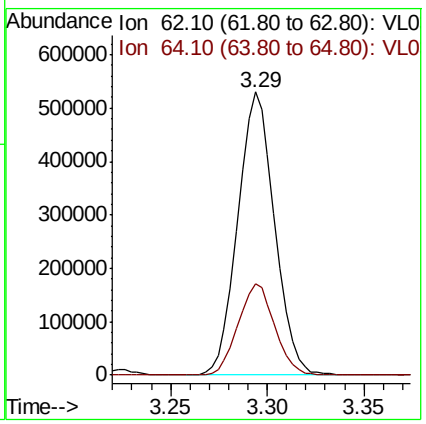


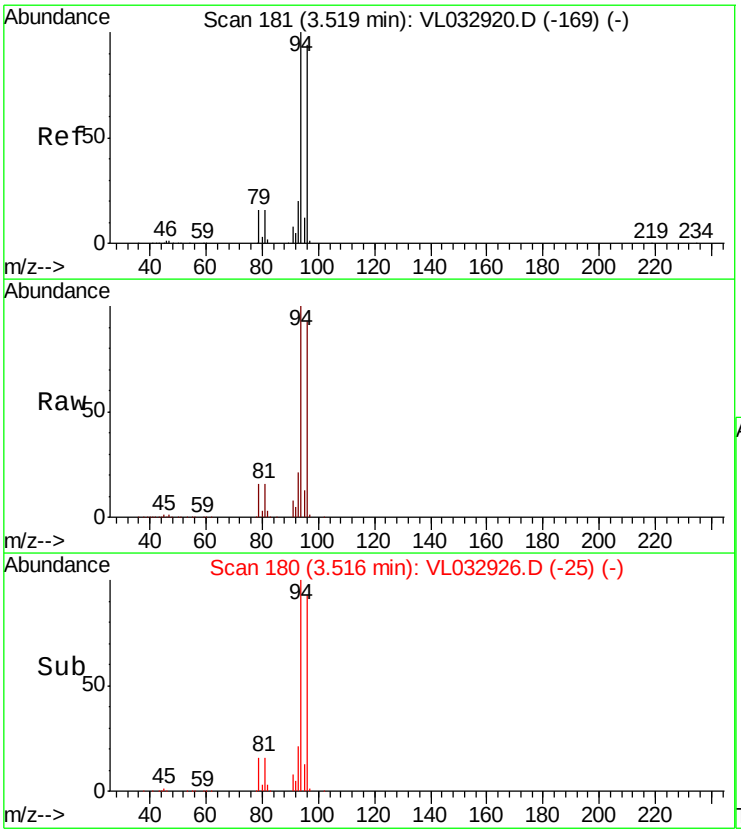
#5
Vinyl Chloride
Concen: 13.111 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 700324

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.8	37.2

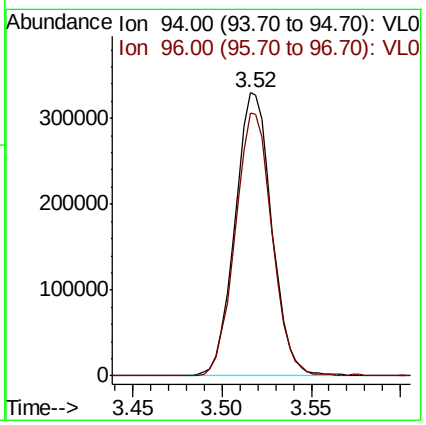


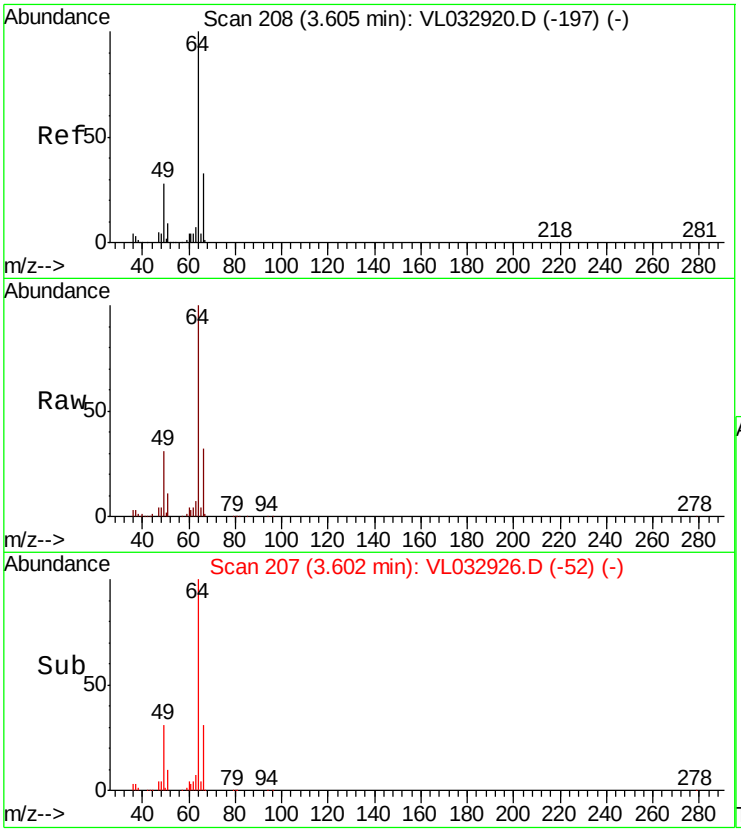


#6
Bromomethane
Concen: 14.343 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 94 Resp: 474732

Ion	Ratio	Lower	Upper
94	100		
96	92.8	75.5	113.3



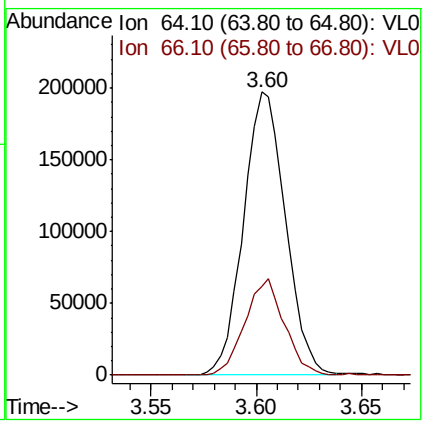


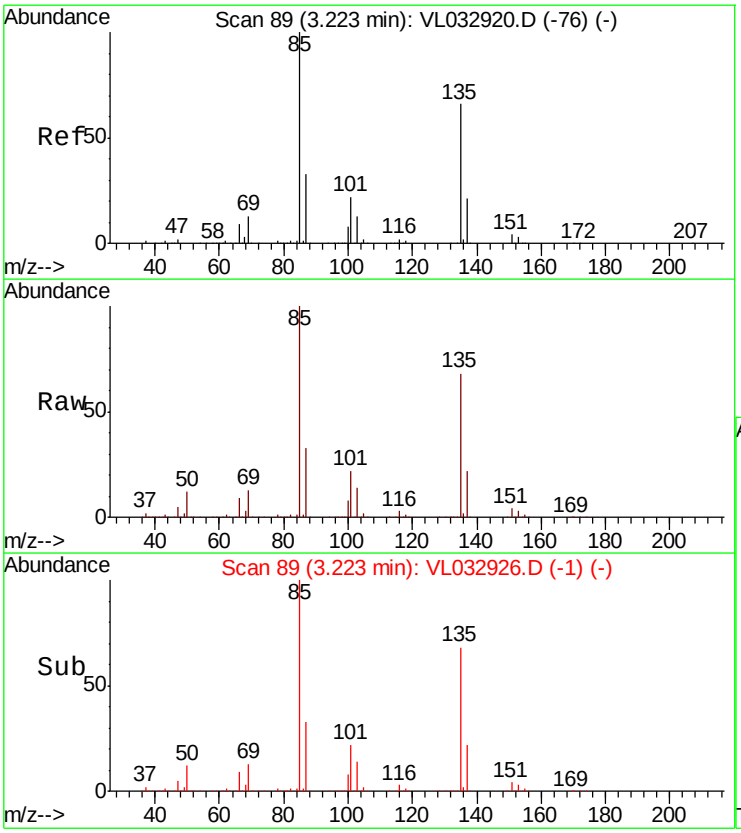
#7
Chloroethane
Concen: 14.464 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 273887

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.6	40.0

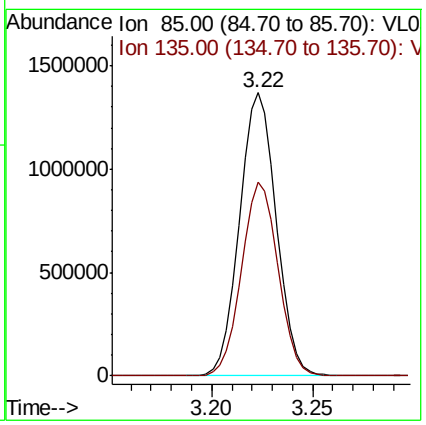


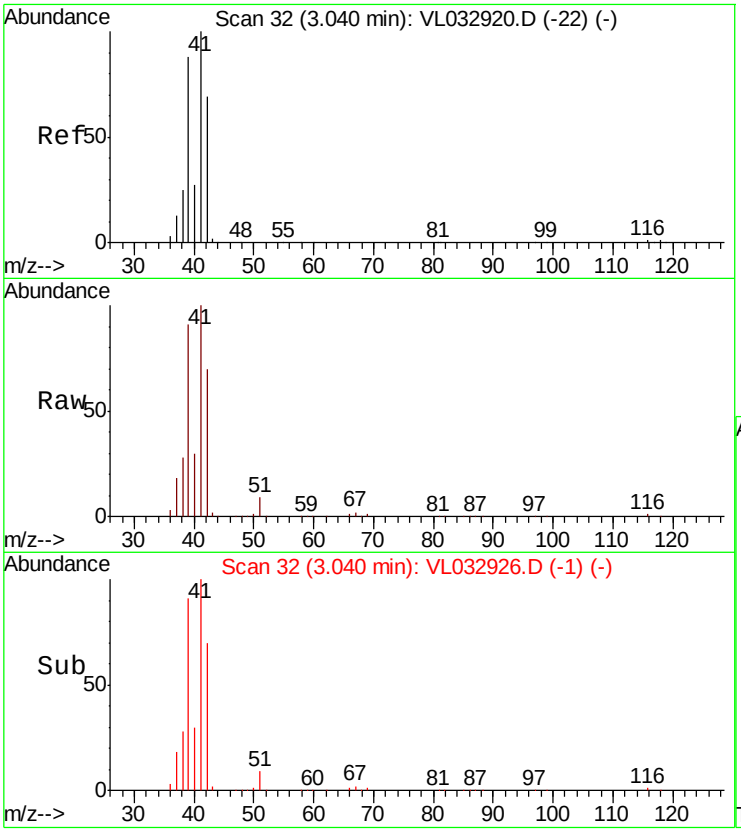


#8
Dichlorotetrafluoroethane
Concen: 13.166 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 85 Resp: 1750578

Ion	Ratio	Lower	Upper
85	100		
135	68.5	54.5	81.7



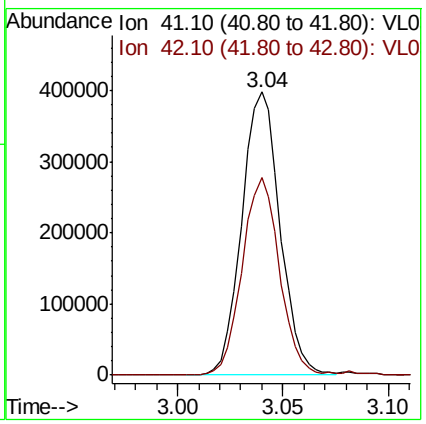


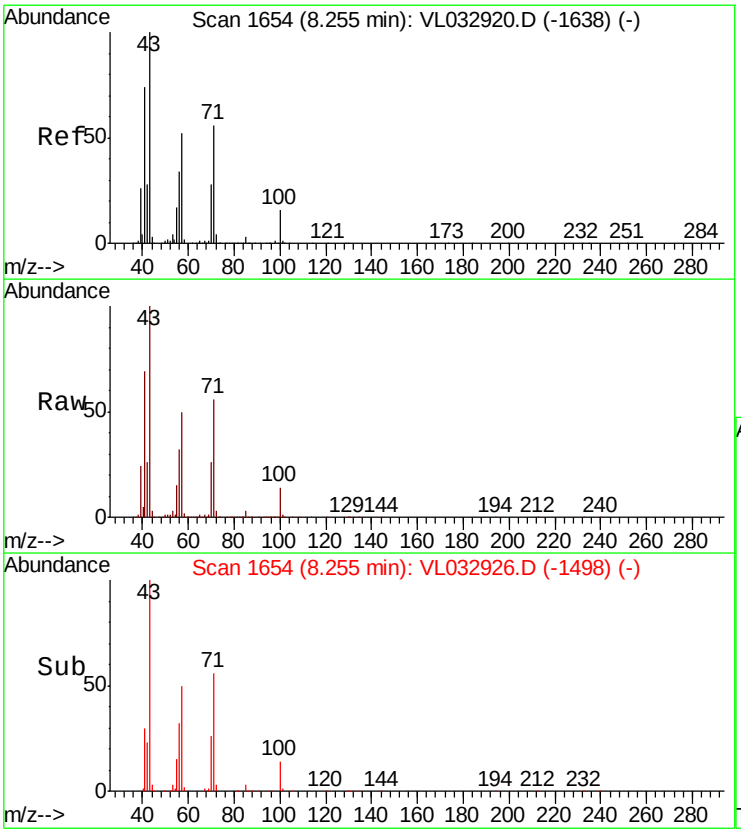
#9
Propene
Concen: 14.184 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 502112

Ion	Ratio	Lower	Upper
41	100		
42	69.2	56.2	84.2

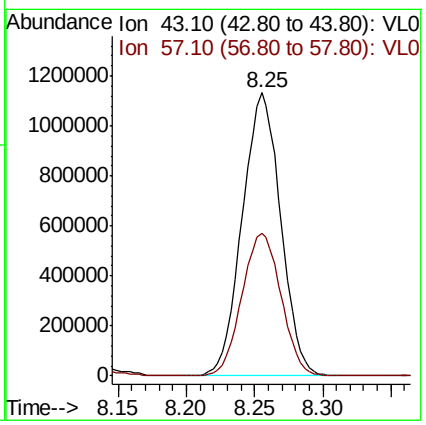


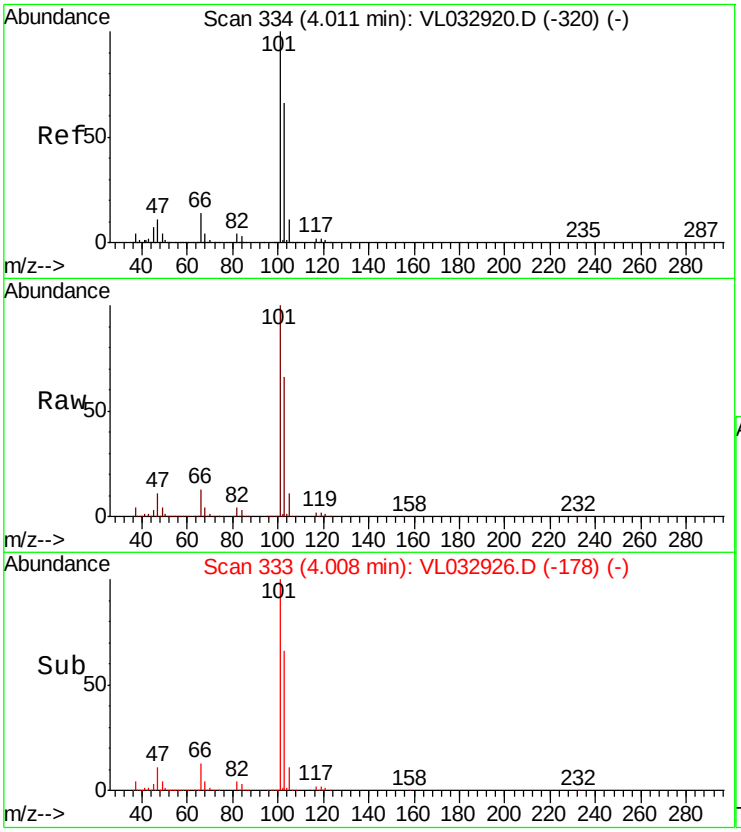


#10
Heptane
Concen: 17.280 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 43 Resp: 2205779

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.8	62.6



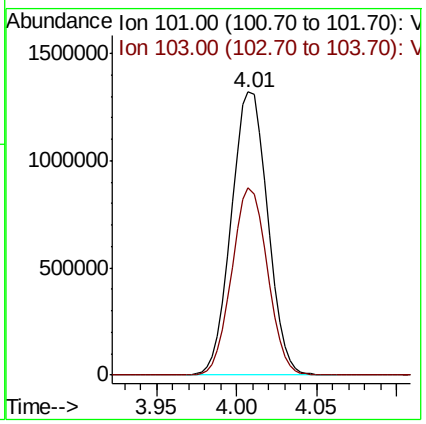


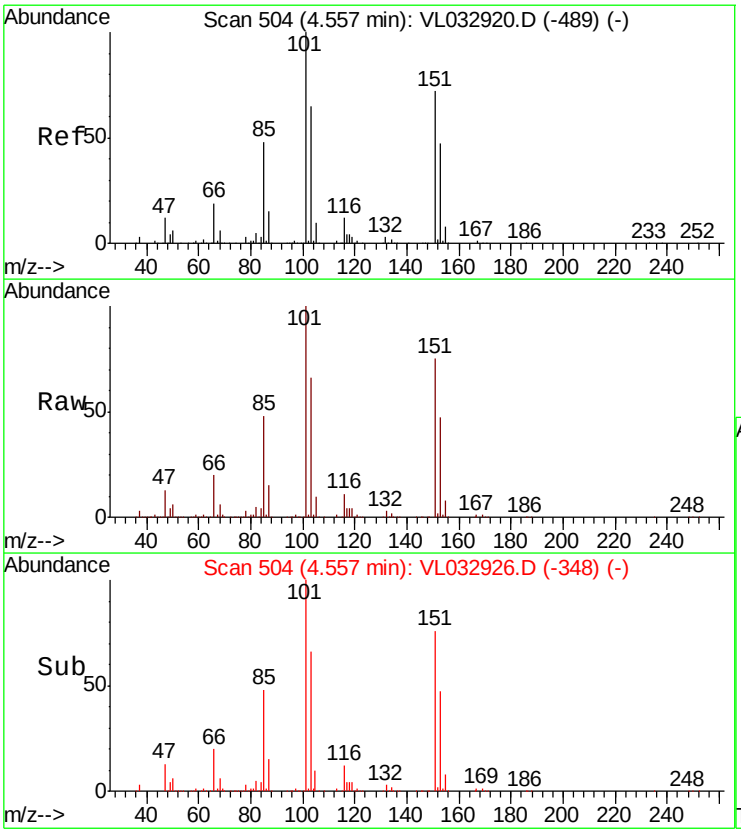
#11
Trichlorofluoromethane
Concen: 13.629 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 2041606

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.7	79.1

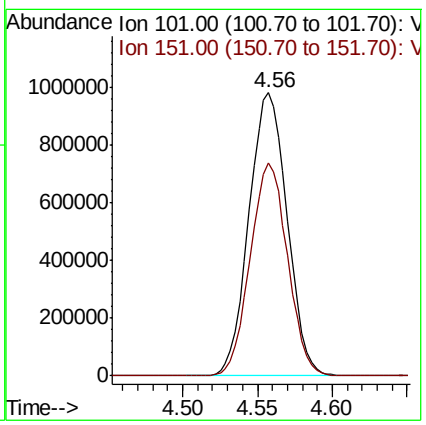


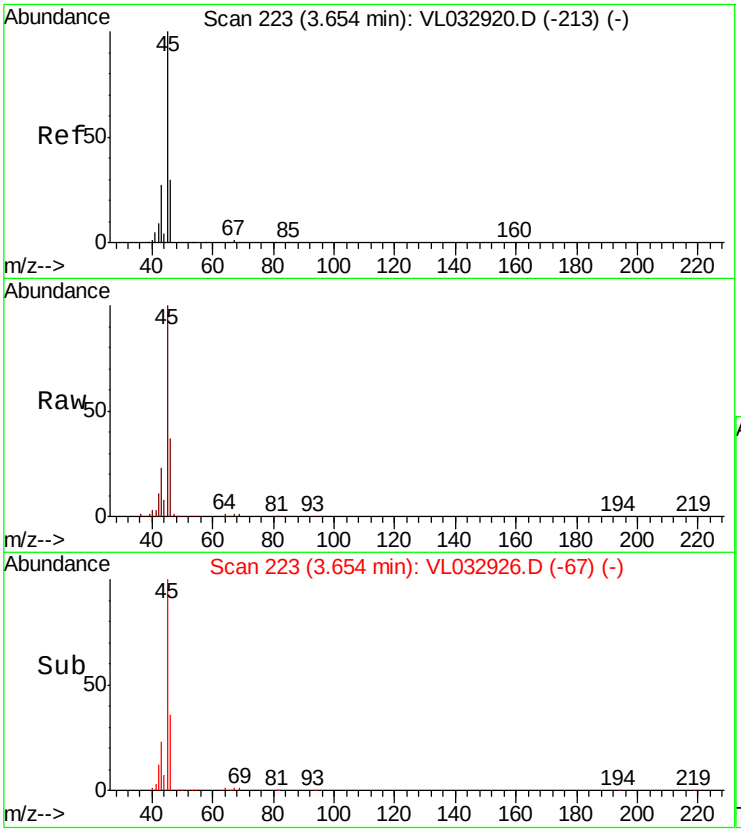


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.614 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:101 Resp: 1740285

Ion	Ratio	Lower	Upper
101	100		
151	73.9	59.3	88.9



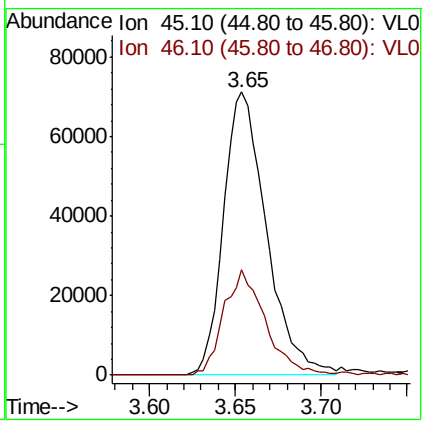


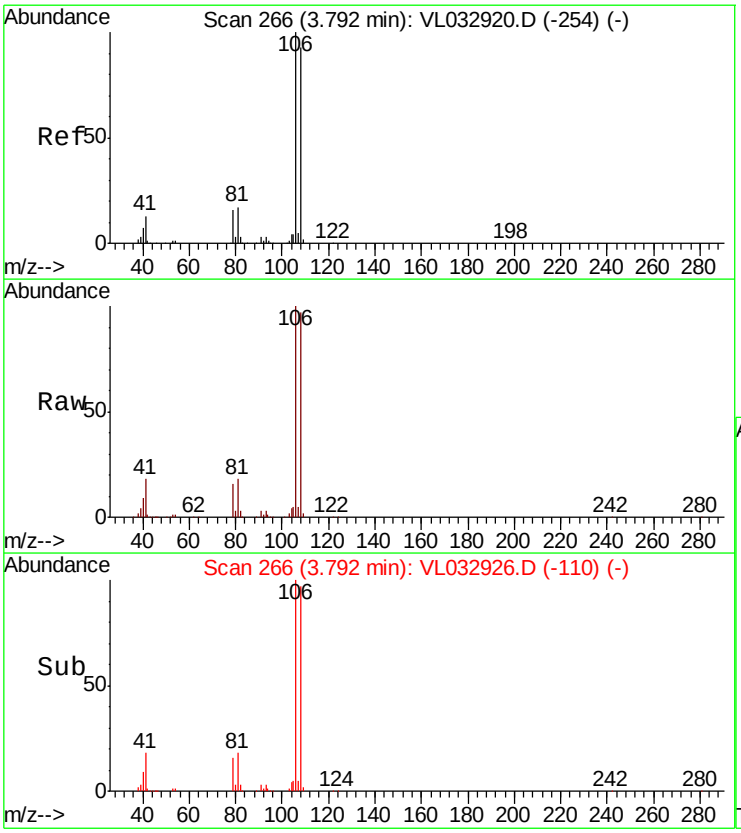
#13
Ethanol
Concen: 9.355 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 123799

Ion	Ratio	Lower	Upper
45	100		
46	36.8	13.8	55.4

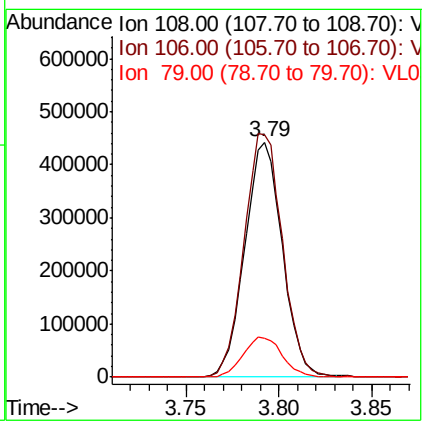


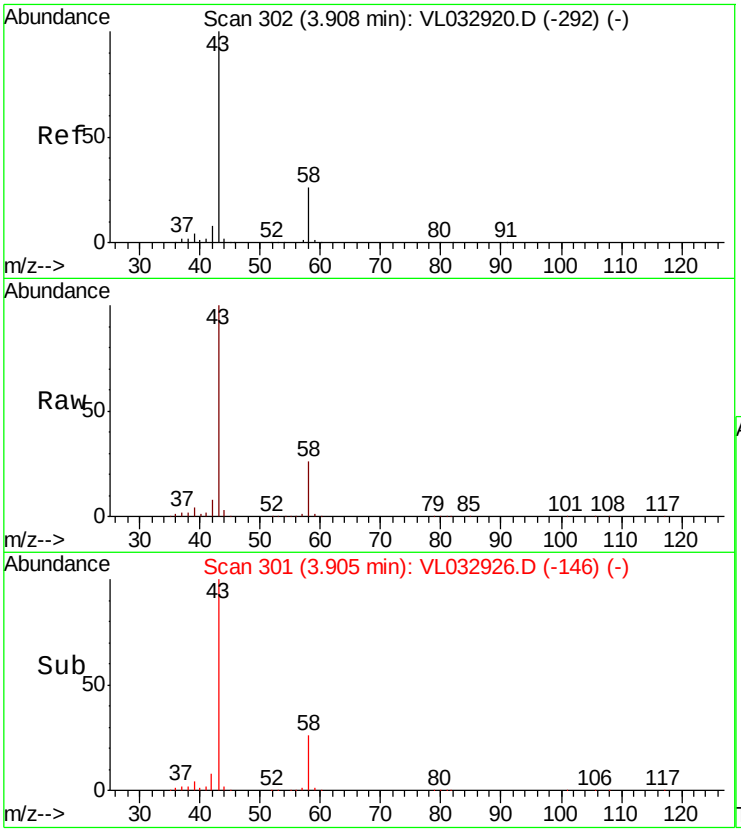


#14
Bromoethene
Concen: 15.020 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:108 Resp: 625514

Ion	Ratio	Lower	Upper
108	100		
106	106.2	85.4	128.2
79	17.7	14.6	21.8



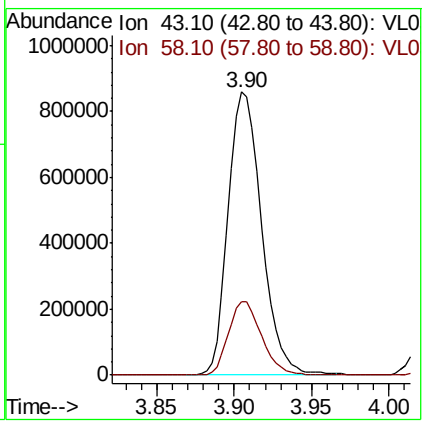


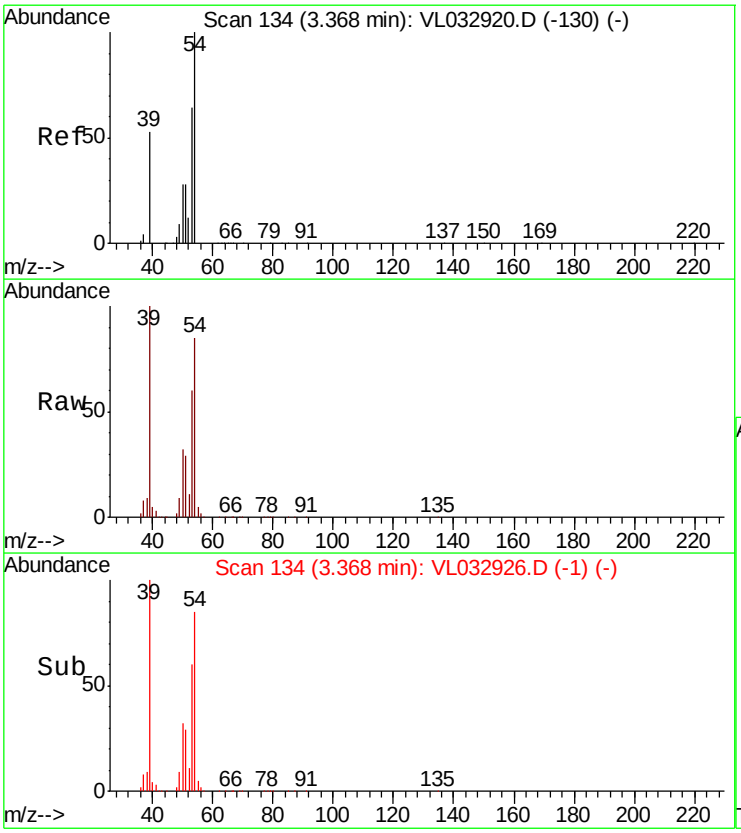
#15
Acetone
Concen: 12.399 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1289029

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.6	30.8

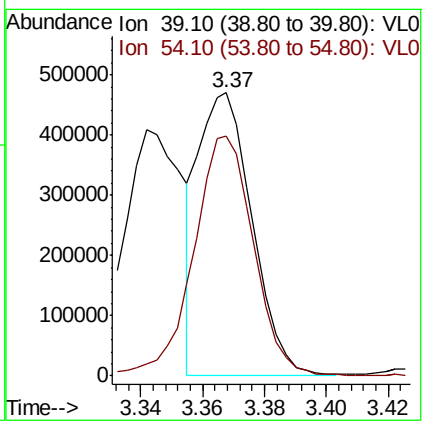


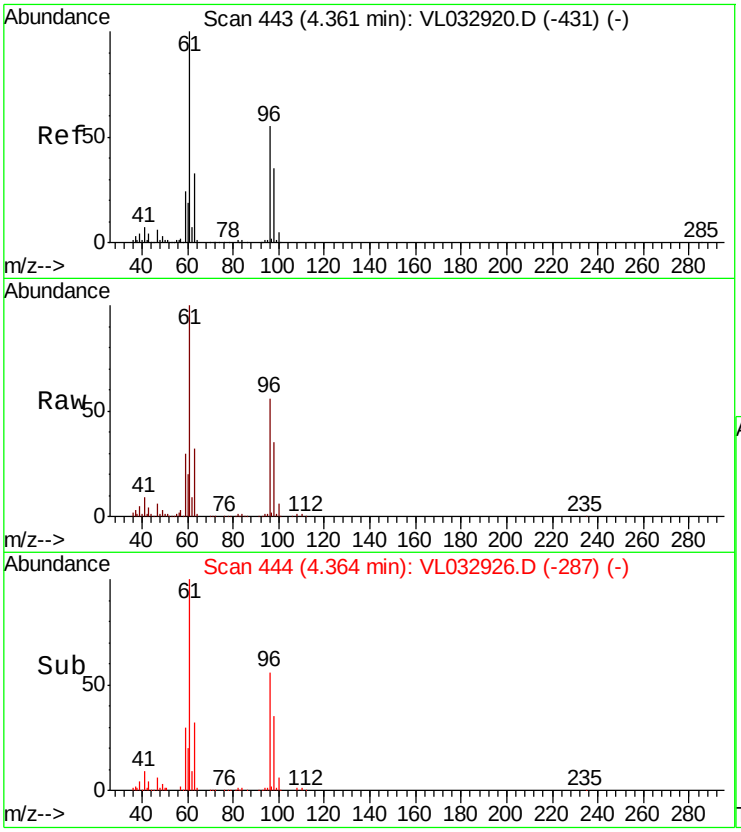


#16
1,3-Butadiene
Concen: 15.279 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 39 Resp: 565357

Ion	Ratio	Lower	Upper
39	100		
54	95.5	72.7	109.1



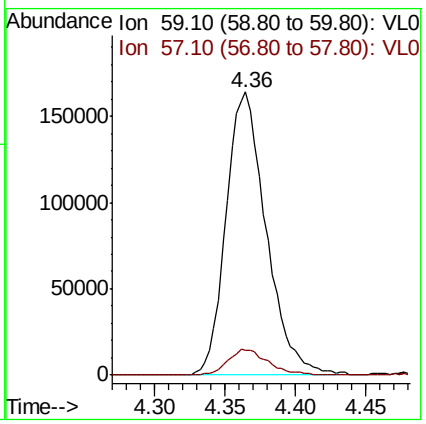


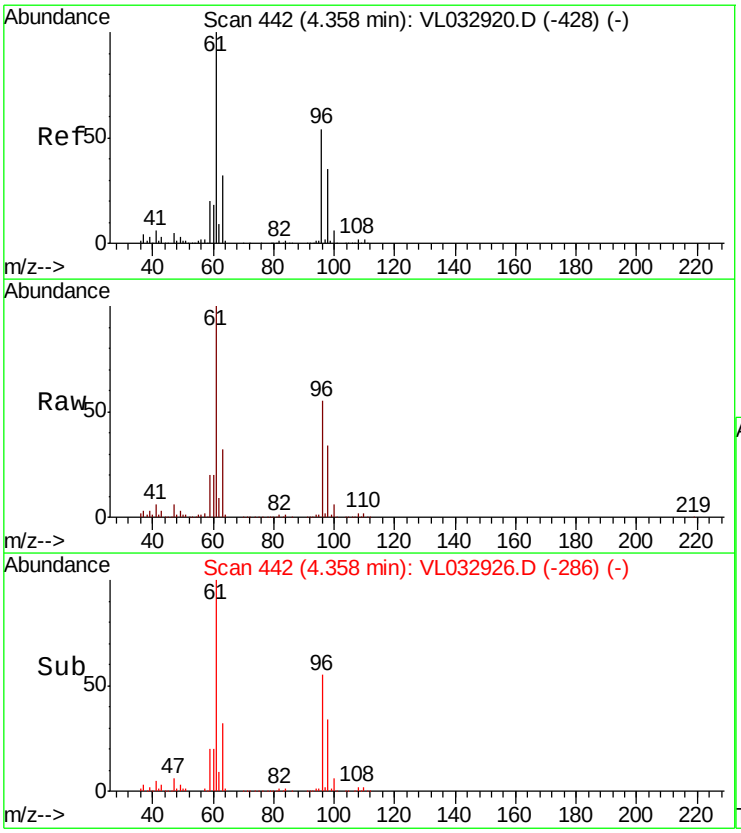
#17
tert-Butyl alcohol
Concen: 12.304 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 326104

Ion	Ratio	Lower	Upper
59	100		
57	9.3	0.6	1.0#

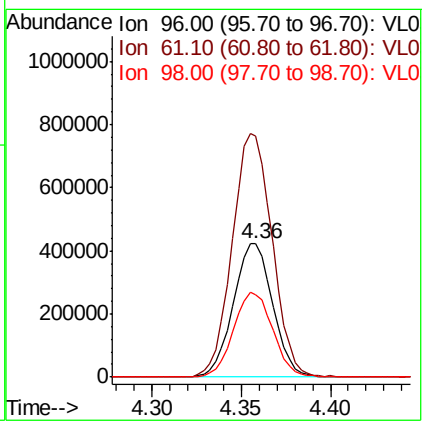


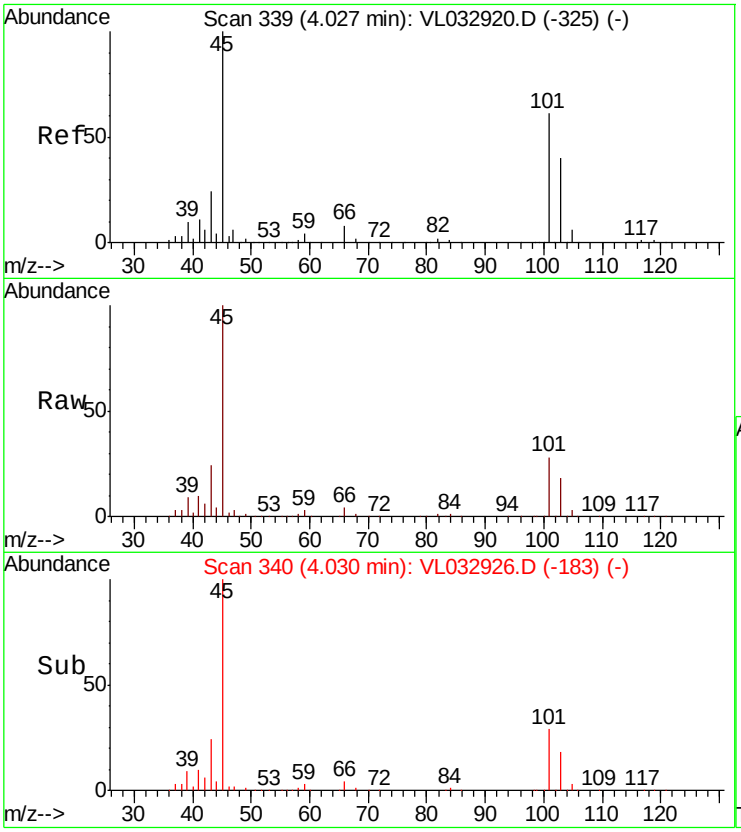


#18
1,1-Dichloroethene
Concen: 12.817 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 96 Resp: 648698

Ion	Ratio	Lower	Upper
96	100		
61	180.7	147.0	220.4
98	61.3	50.7	76.1



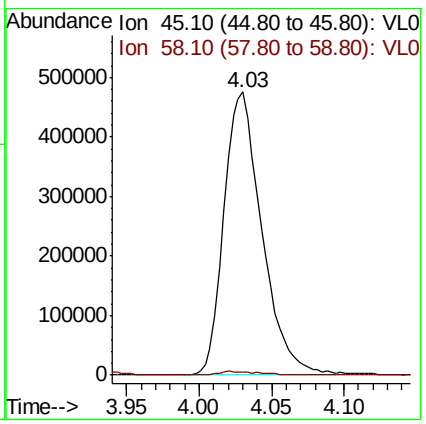


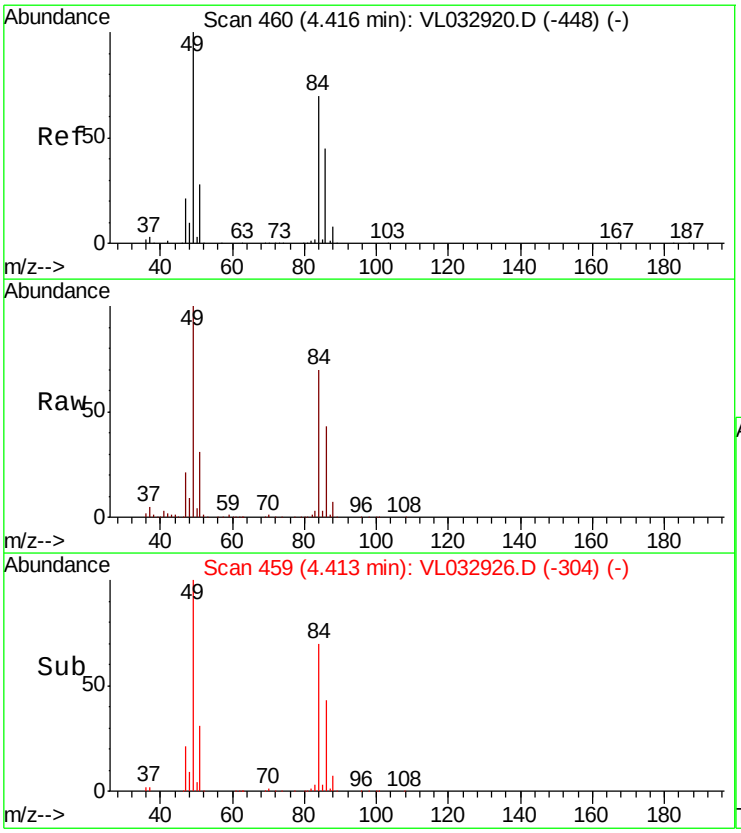
#19
Isopropyl Alcohol
Concen: 13.358 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 45 Resp: 860718

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

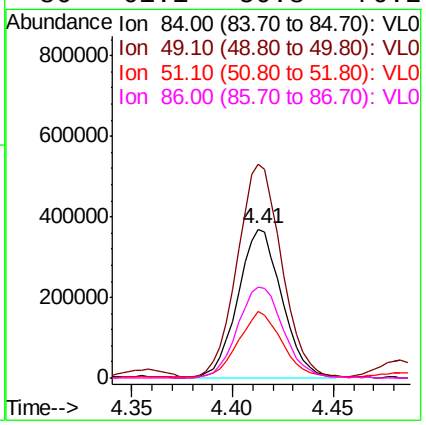


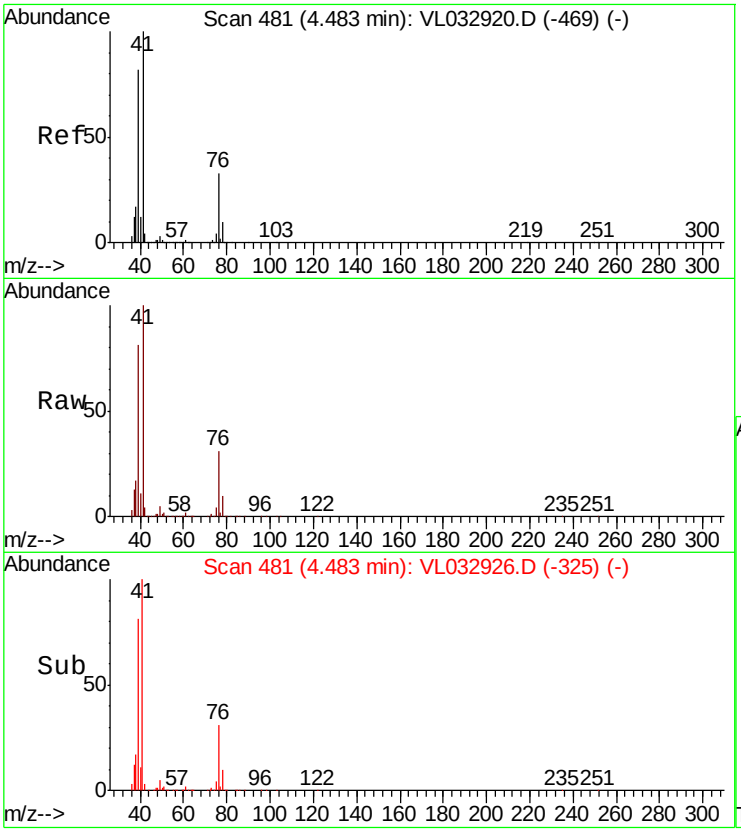


#20
Methylene Chloride
Concen: 10.817 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 84 Resp: 561898

Ion	Ratio	Lower	Upper
84	100		
49	142.6	113.8	170.8
51	44.0	31.8	47.8
86	61.1	50.8	76.2



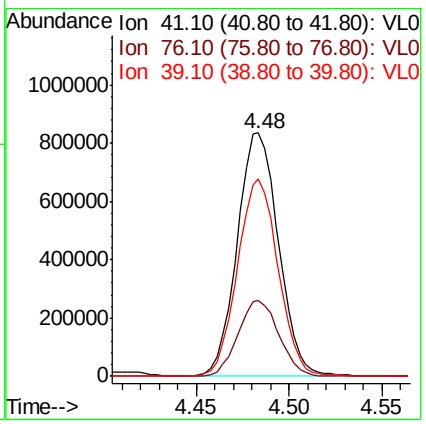


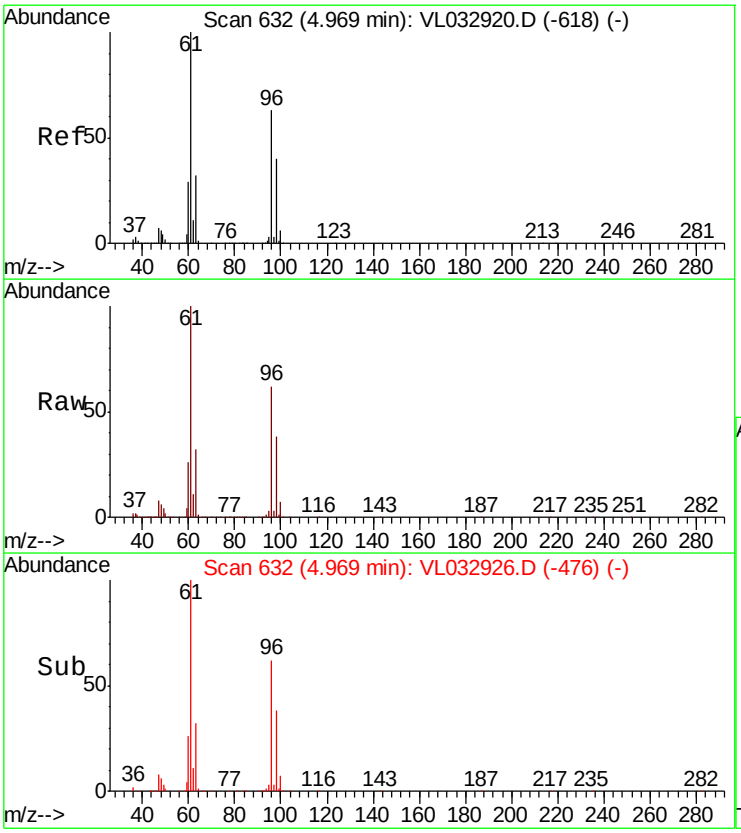
#21
Allyl Chloride
Concen: 15.924 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 41 Resp: 1286521

Ion	Ratio	Lower	Upper
41	100		
76	31.1	25.2	37.8
39	80.4	65.2	97.8

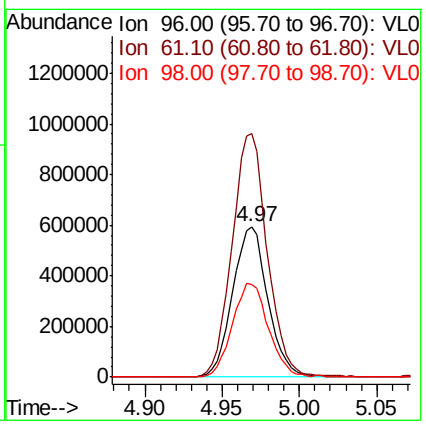


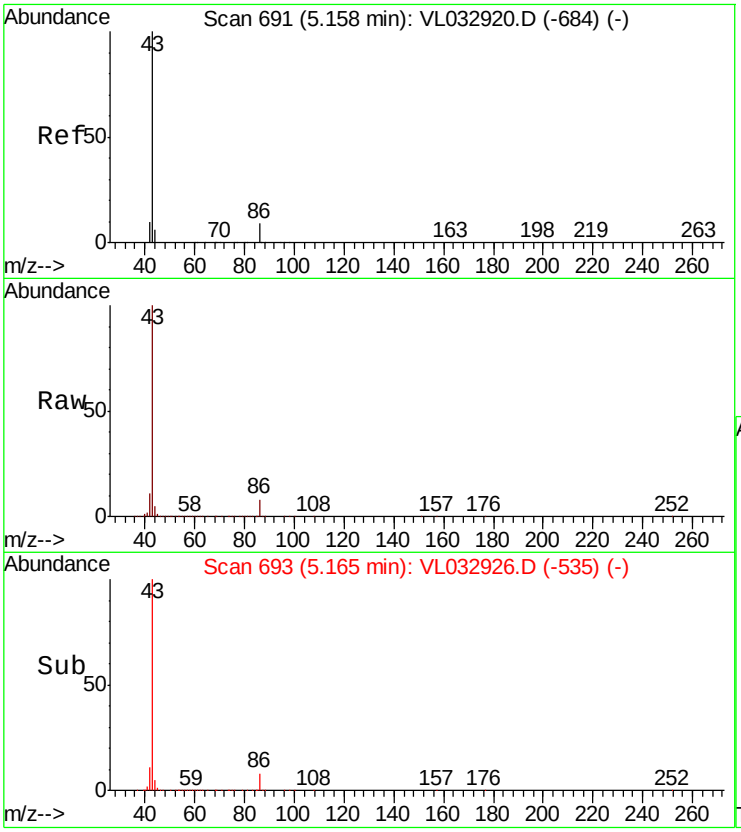


#22
trans-1,2-Dichloroethene
Concen: 15.426 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 96 Resp: 935453

Ion	Ratio	Lower	Upper
96	100		
61	161.6	127.1	190.7
98	61.5	51.3	76.9



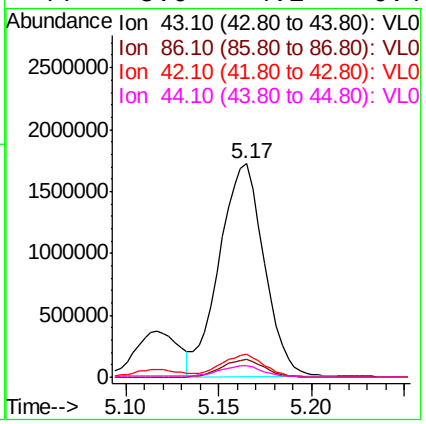


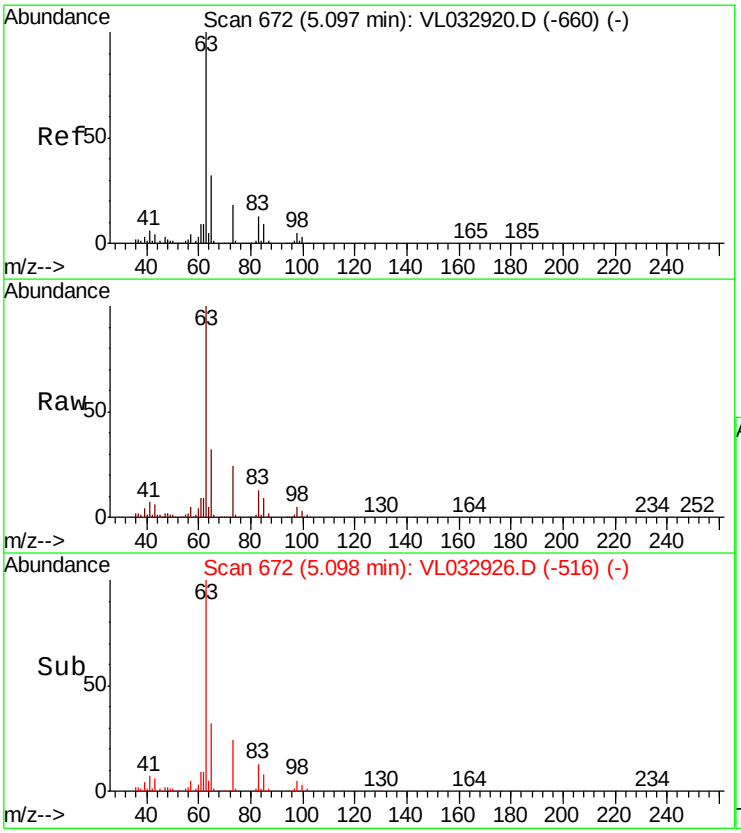
#23
Vinyl Acetate
Concen: 17.708 ppbv
RT: 5.17 min Scan# 693
Delta R.T. 0.01 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2880902

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	10.4	8.3	12.5
44	5.0	4.2	6.4

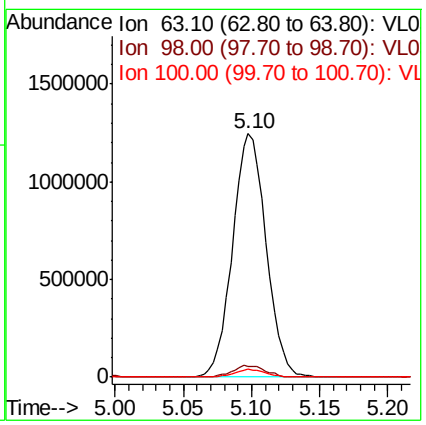


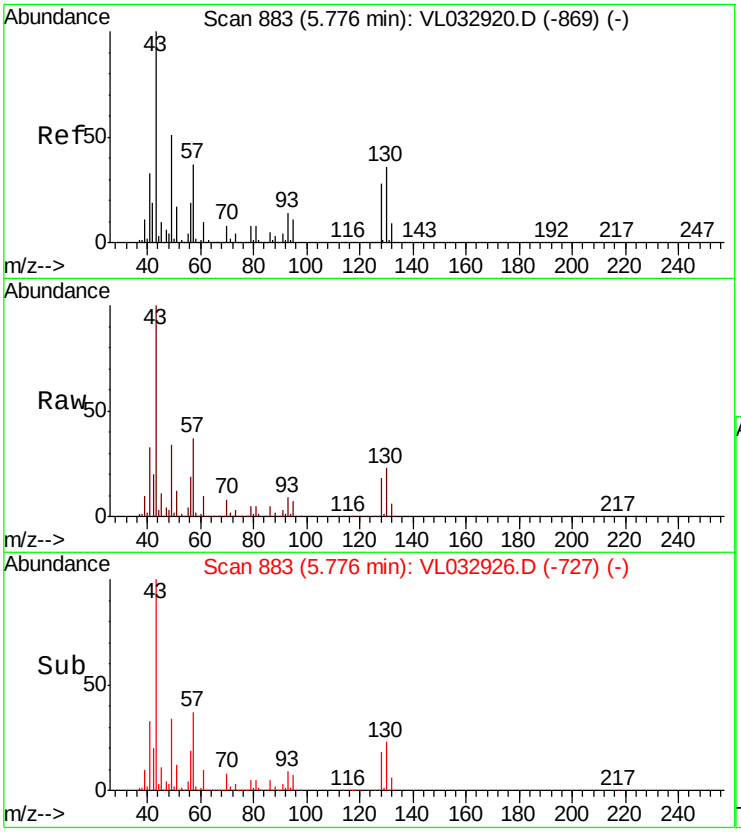


#24
1,1-Dichloroethane
Concen: 14.232 ppbv
RT: 5.10 min Scan# 672
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 63 Resp: 2124556

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.5
100	3.1	1.4	4.2



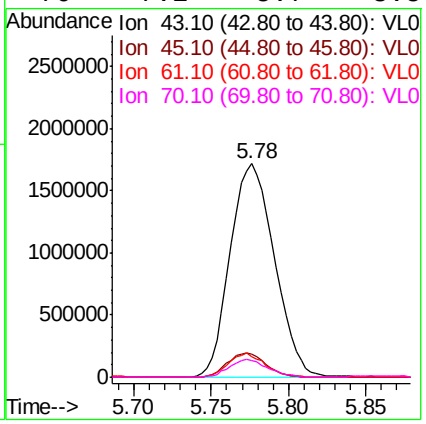


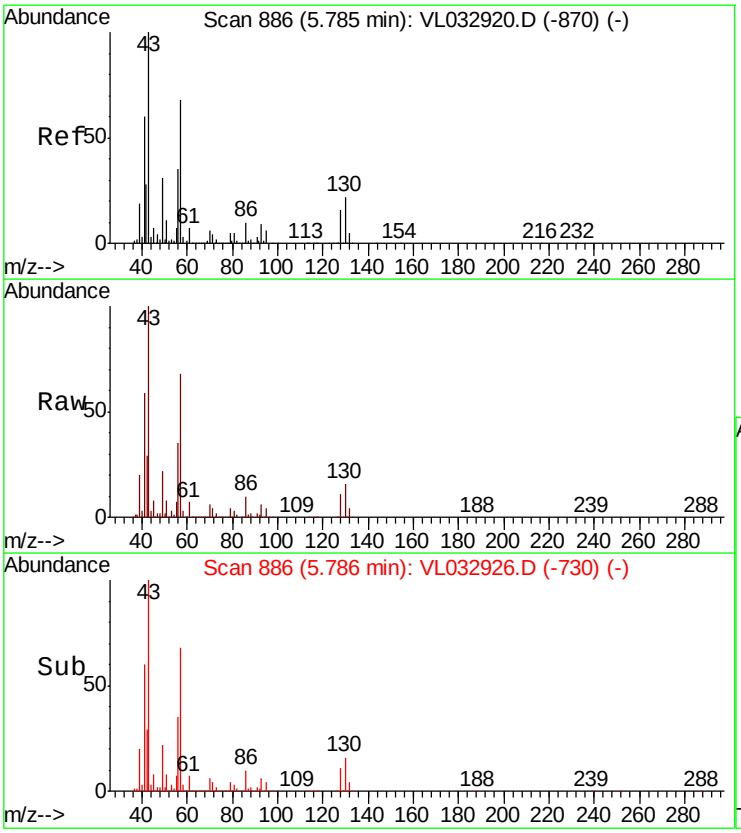
#25
Ethyl Acetate
Concen: 14.236 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 3409785

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.3	7.4	11.2
70	7.2	5.7	8.5

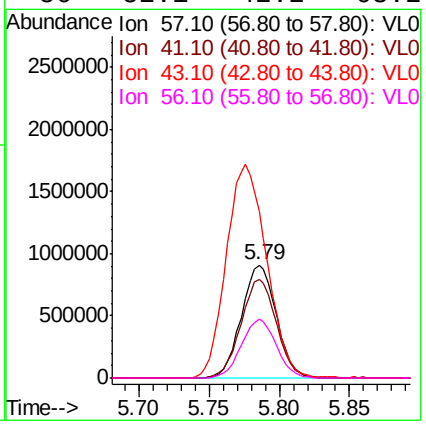


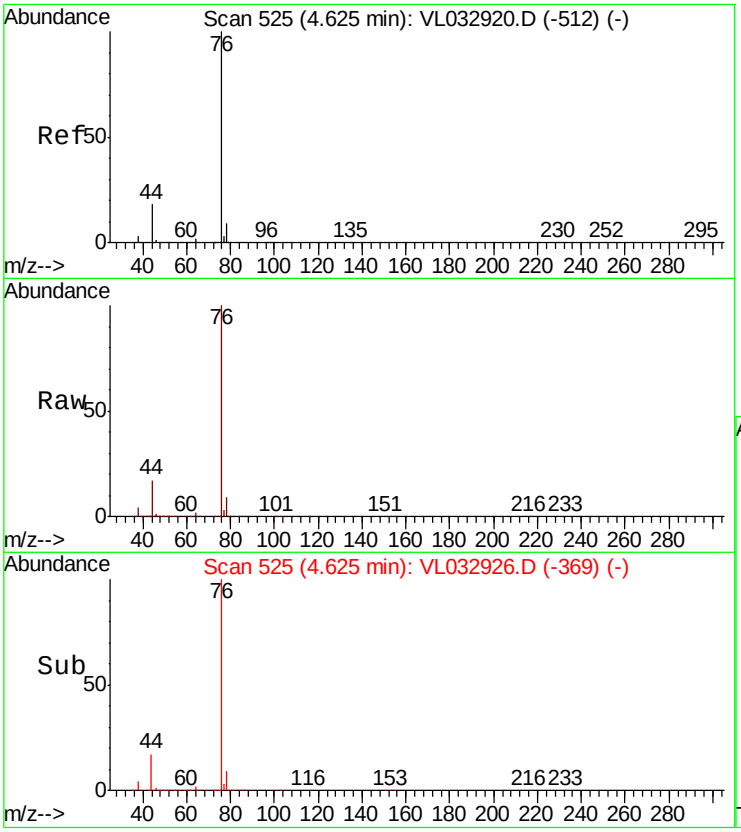


#26
Hexane
Concen: 14.174 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 57 Resp: 1568709

Ion	Ratio	Lower	Upper
57	100		
41	89.0	72.2	108.2
43	219.4	171.9	257.9
56	52.1	42.2	63.2



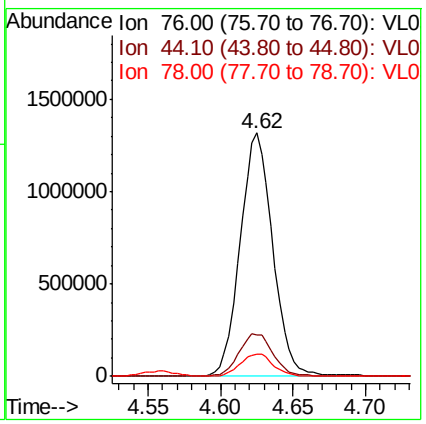


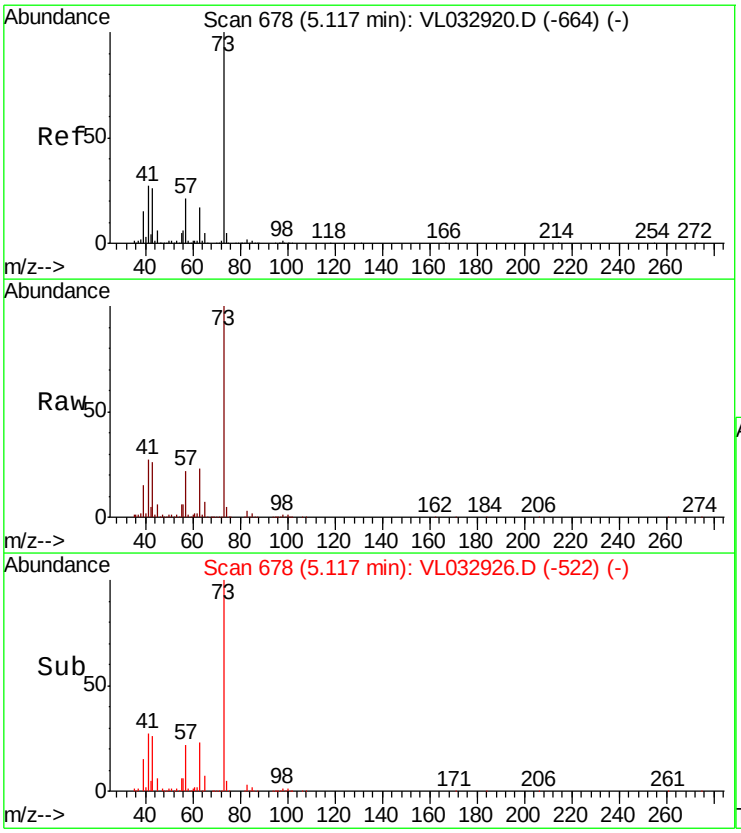
#27
Carbon Disulfide
Concen: 14.997 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 2052419

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.7	22.1
78	9.4	7.4	11.2

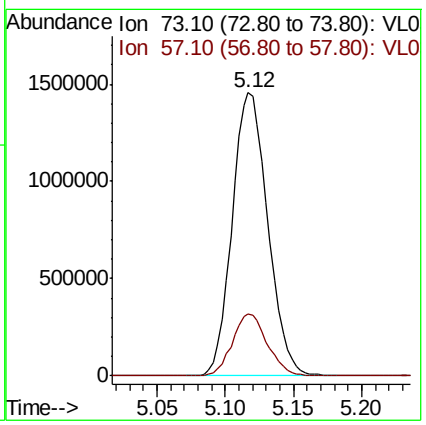


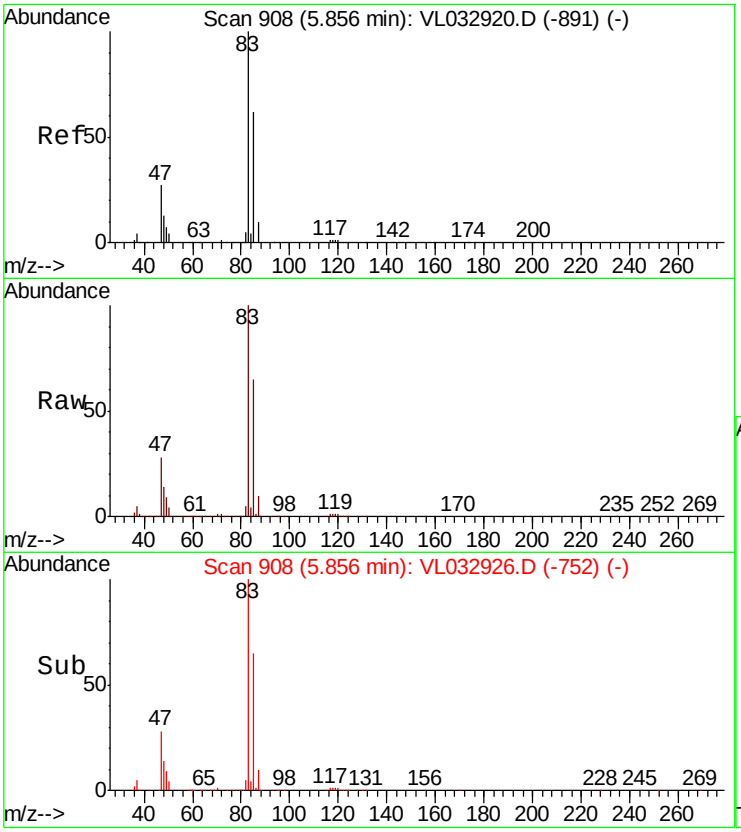


#28
Methyl tert-Butyl Ether
Concen: 16.330 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 73 Resp: 2637609

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



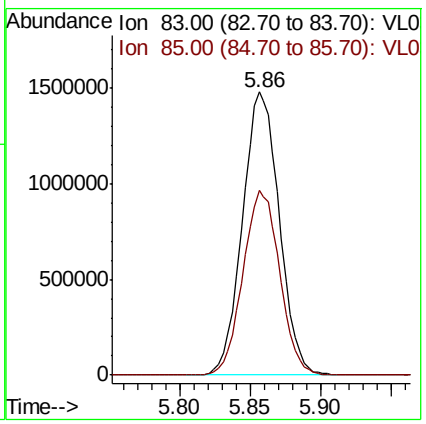


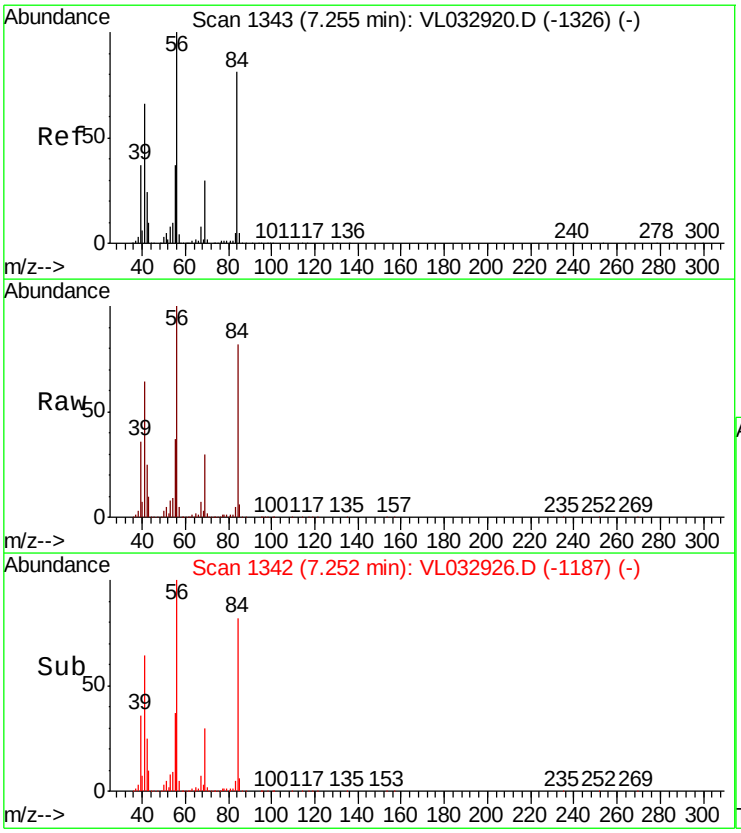
#29
Chloroform
Concen: 13.596 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2705977

Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.8	74.8

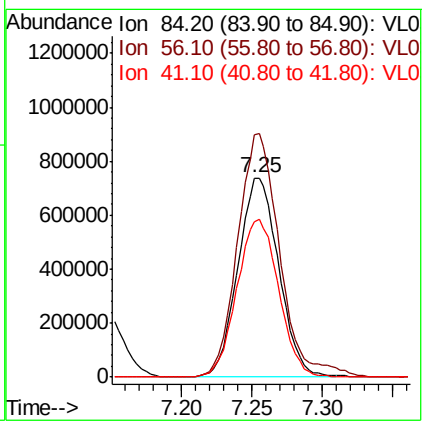


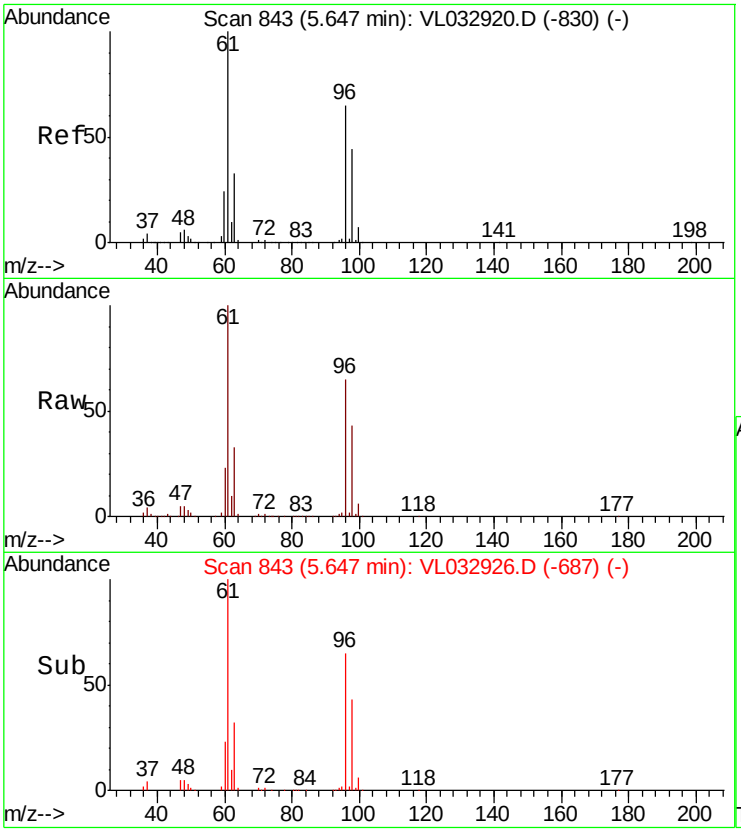


#30
Cyclohexane
Concen: 16.841 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 84 Resp: 1491140

Ion	Ratio	Lower	Upper
84	100		
56	126.5	102.5	153.7
41	81.1	64.1	96.1



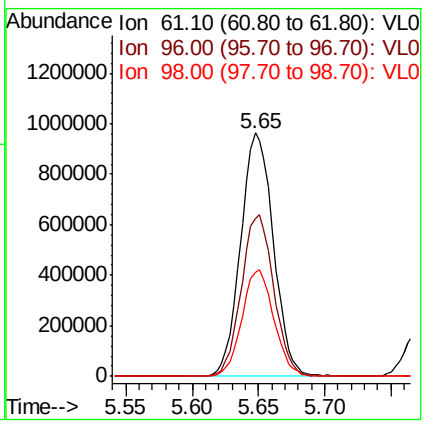


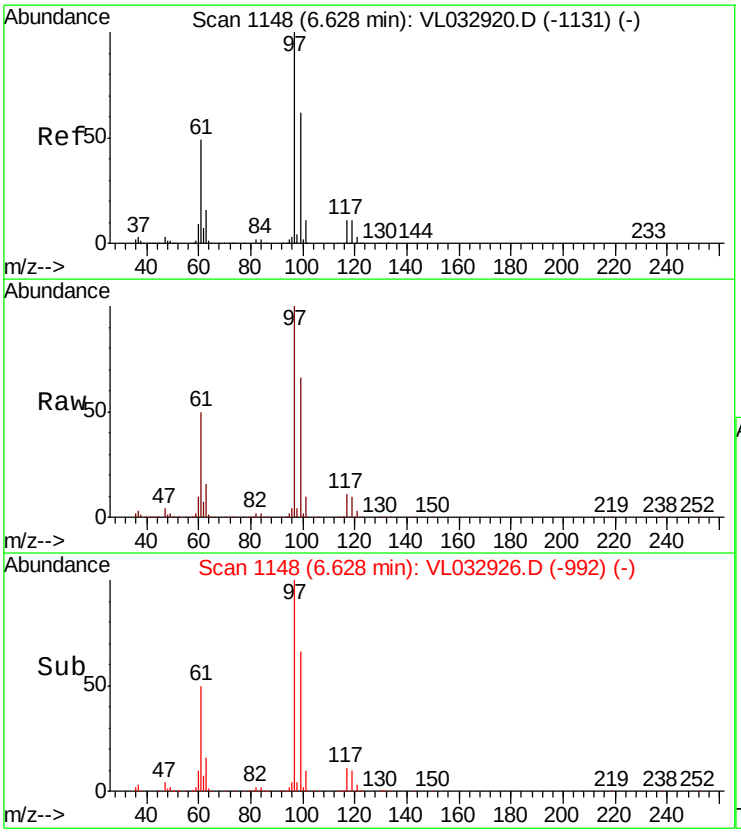
#31
cis-1,2-Dichloroethene
Concen: 16.929 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1657757

Ion	Ratio	Lower	Upper
61	100		
96	64.7	51.9	77.9
98	42.5	35.0	52.4

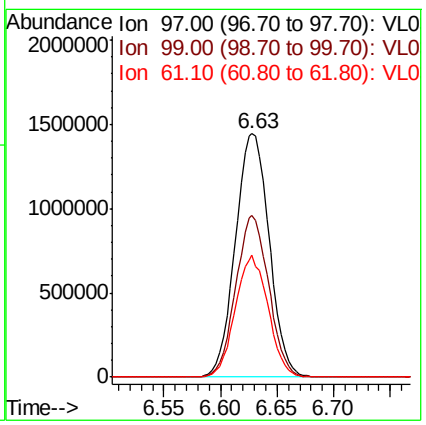


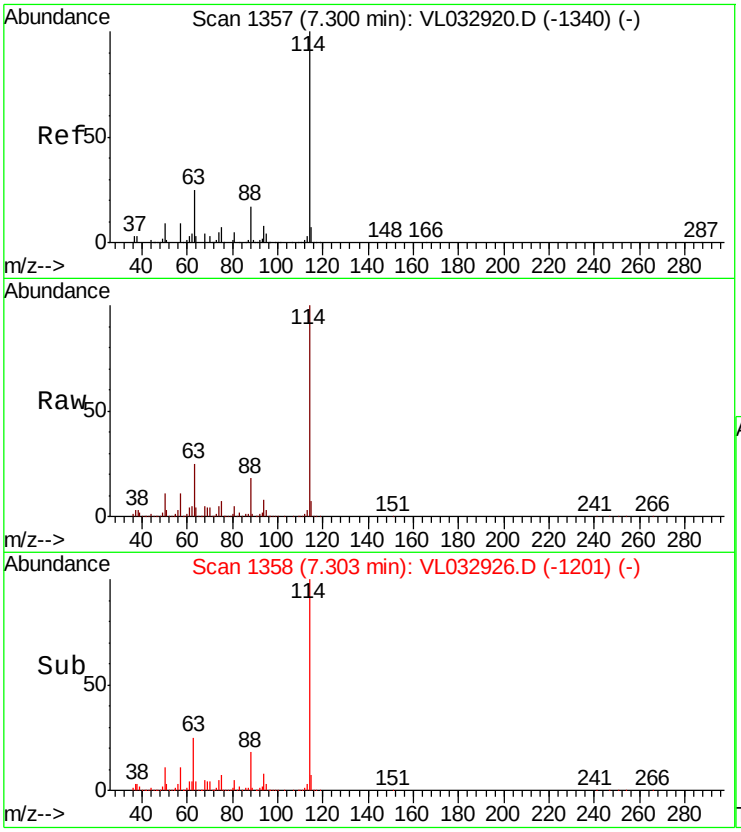


#32
1,1,1-Trichloroethane
Concen: 14.518 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 97 Resp: 3013855

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	48.4	39.3	58.9



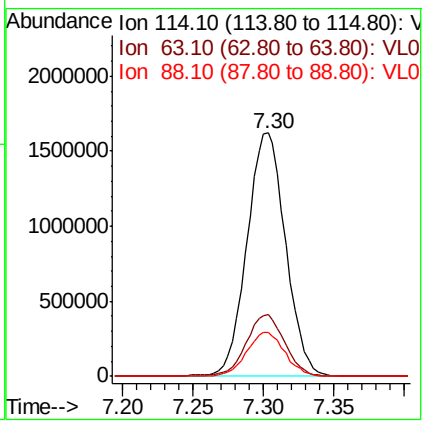


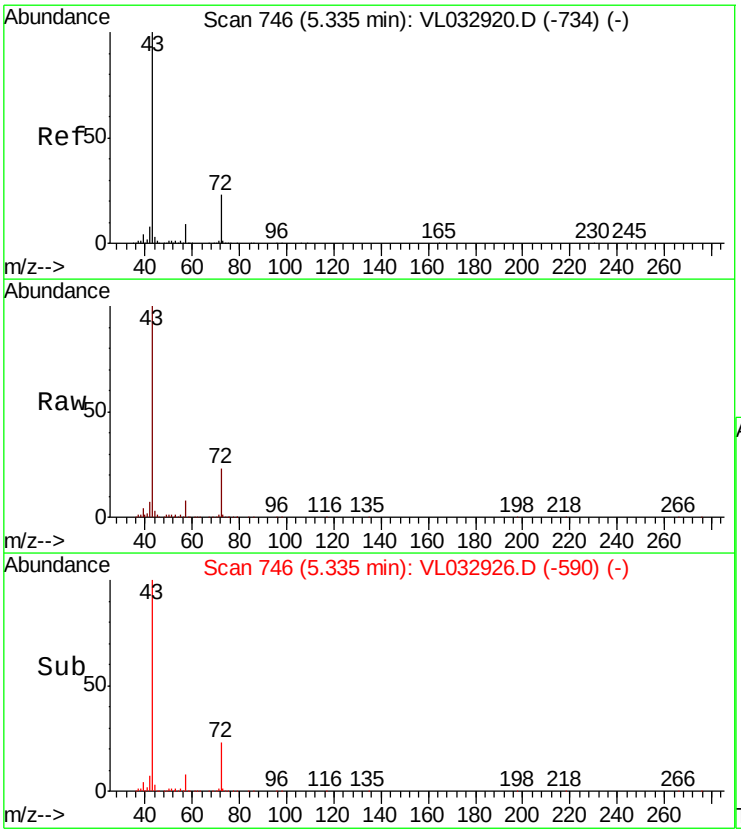
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 3099274

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.1	30.1
88	17.8	14.2	21.4

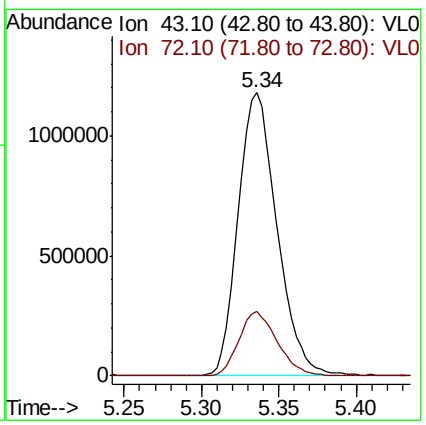


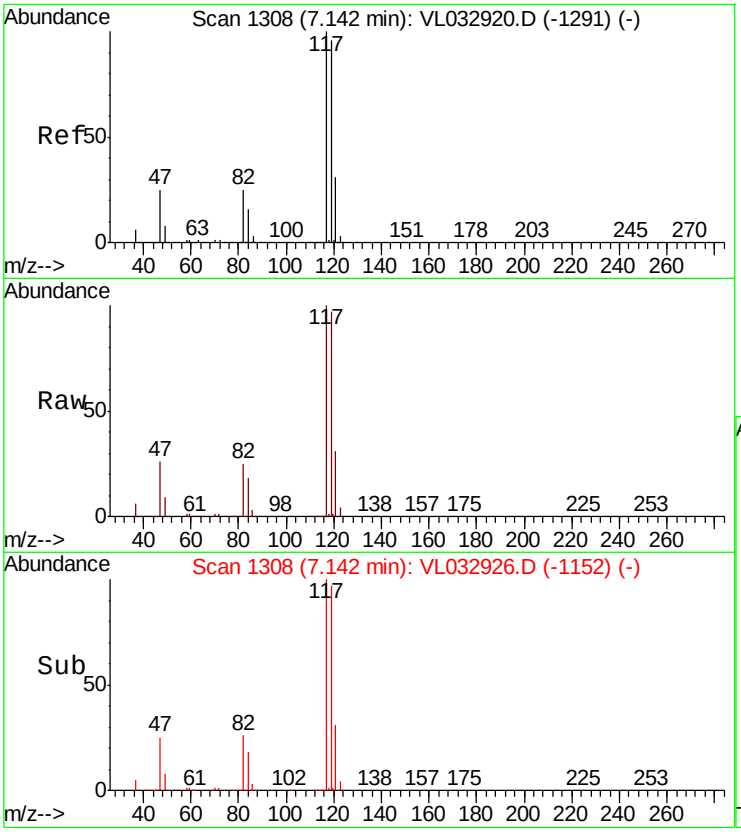


#34
2-Butanone
Concen: 15.288 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 43 Resp: 2056025

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.8	28.2



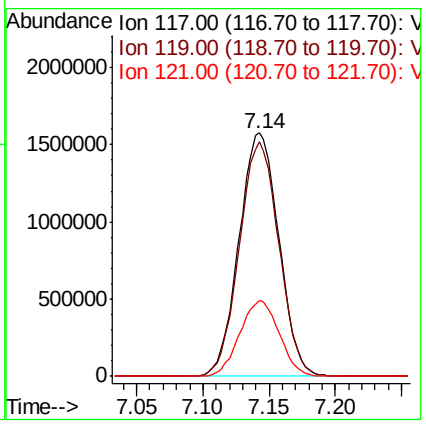


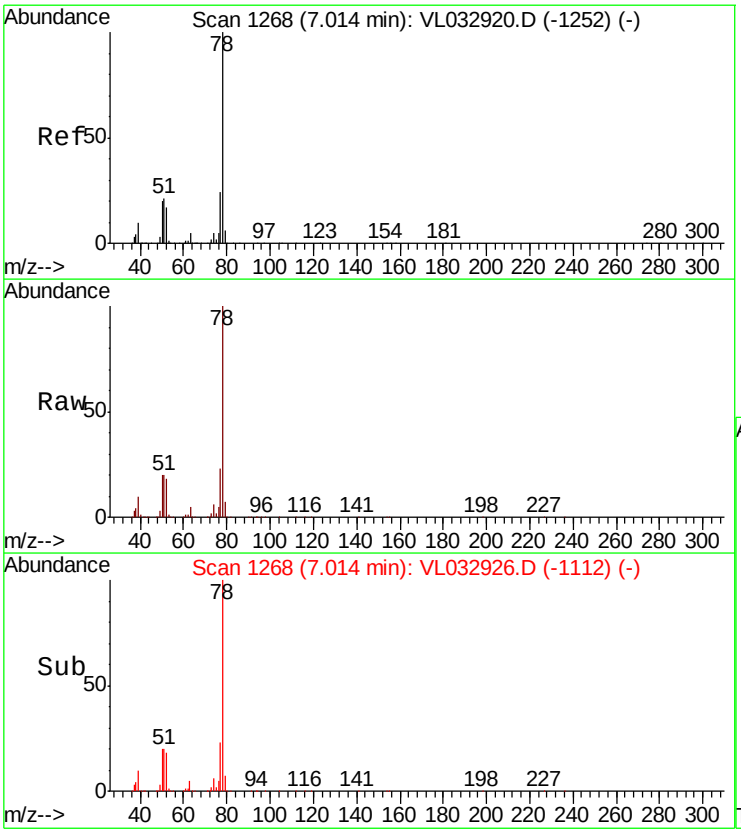
#35
Carbon Tetrachloride
Concen: 13.309 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 3295193

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
121	31.1	24.5	36.7

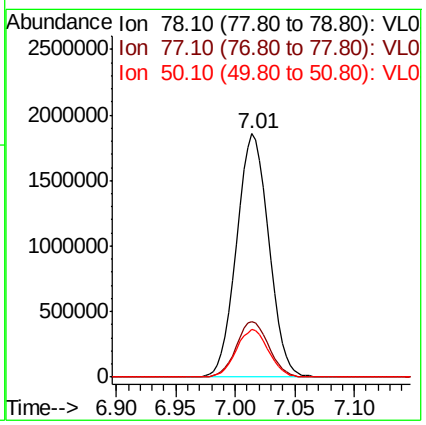


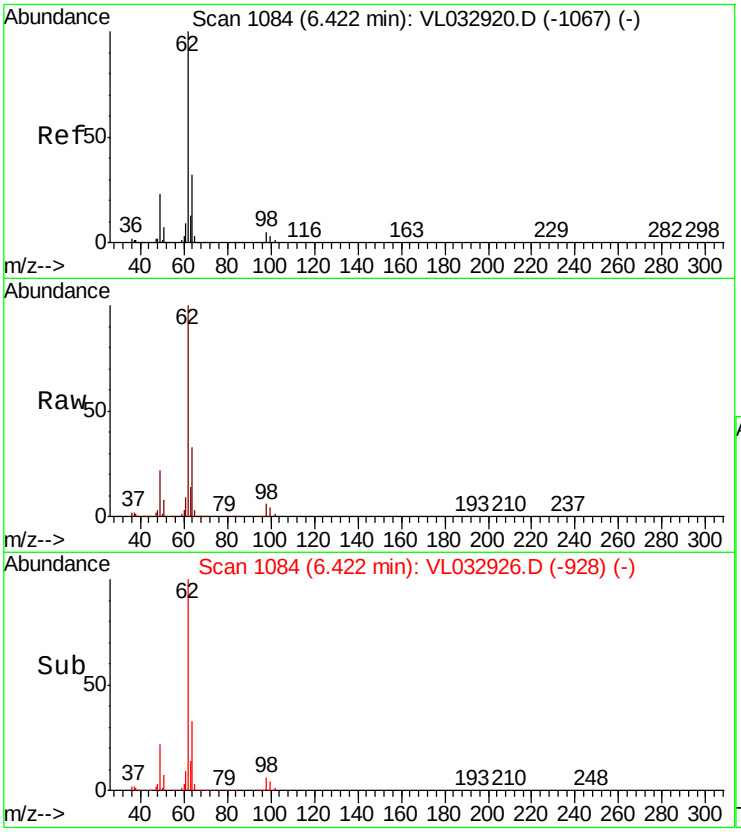


#36
Benzene
Concen: 15.388 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 78 Resp: 3489771

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
50	19.6	16.1	24.1



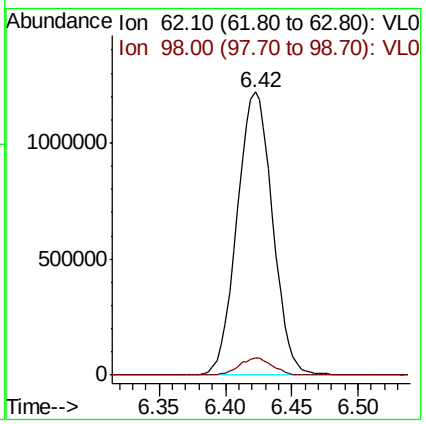


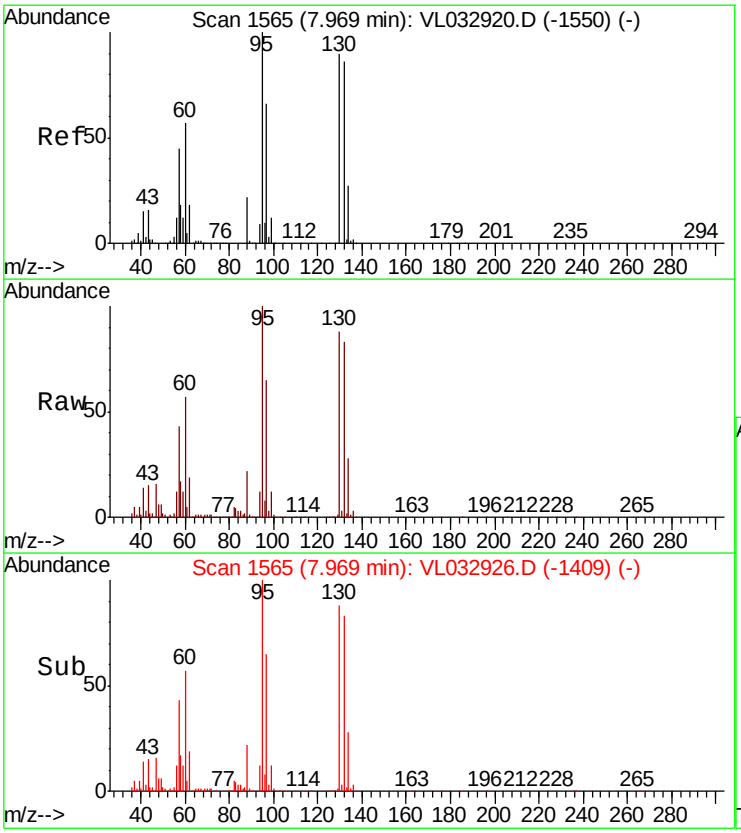
#37
1,2-Dichloroethane
Concen: 14.530 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 2269331

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.3	6.5

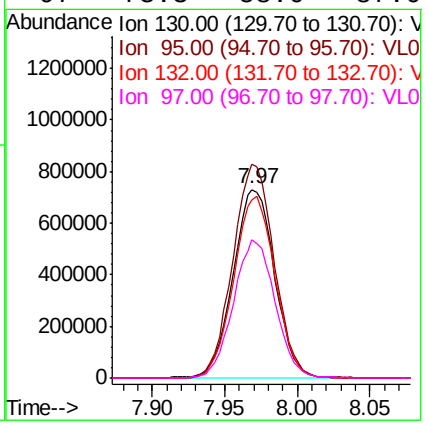


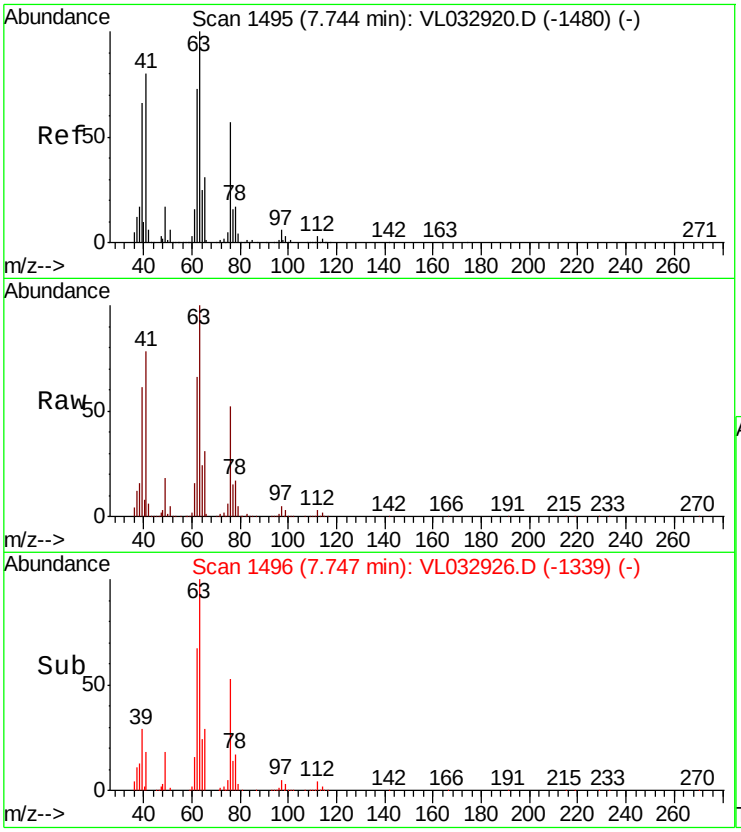


#38
Trichloroethene
Concen: 15.260 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:130 Resp: 1444139

Ion	Ratio	Lower	Upper
130	100		
95	113.4	88.6	132.8
132	94.2	76.1	114.1
97	73.3	58.0	87.0



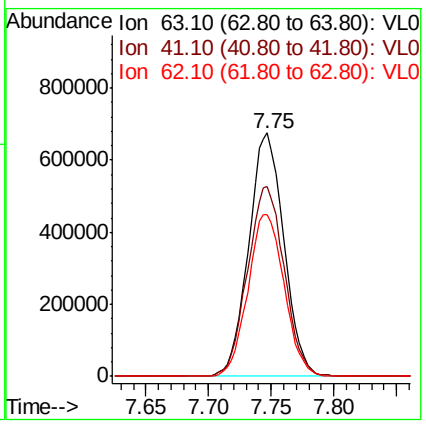


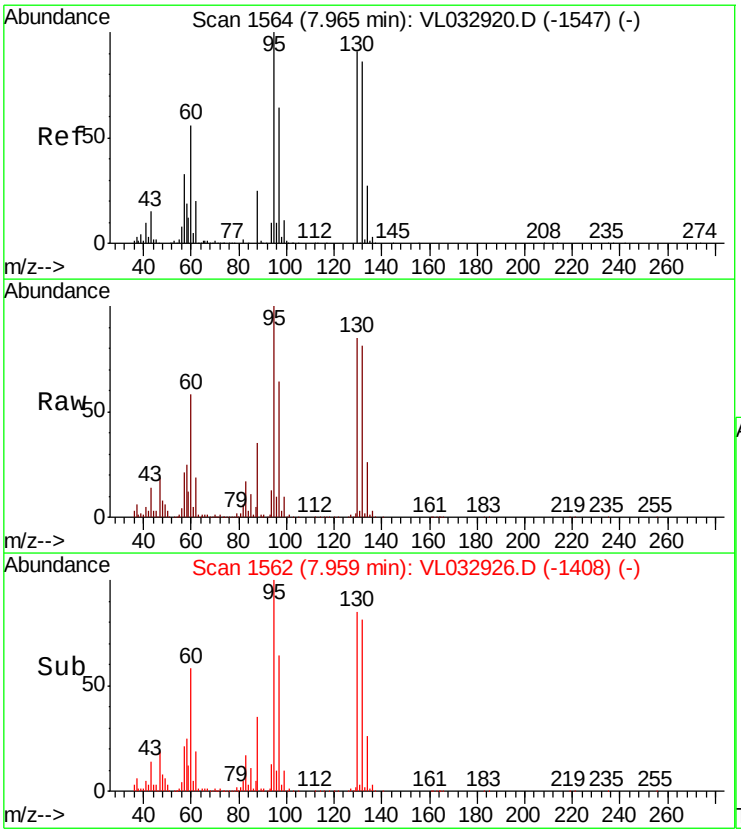
#39
1,2-Dichloropropane
Concen: 15.321 ppbv
RT: 7.75 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 63 Resp: 1318872

Ion	Ratio	Lower	Upper
63	100		
41	77.9	63.9	95.9
62	66.3	58.8	88.2

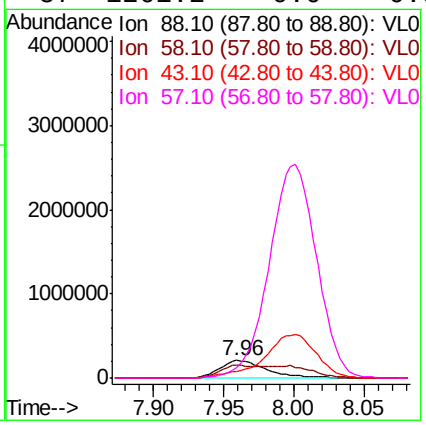


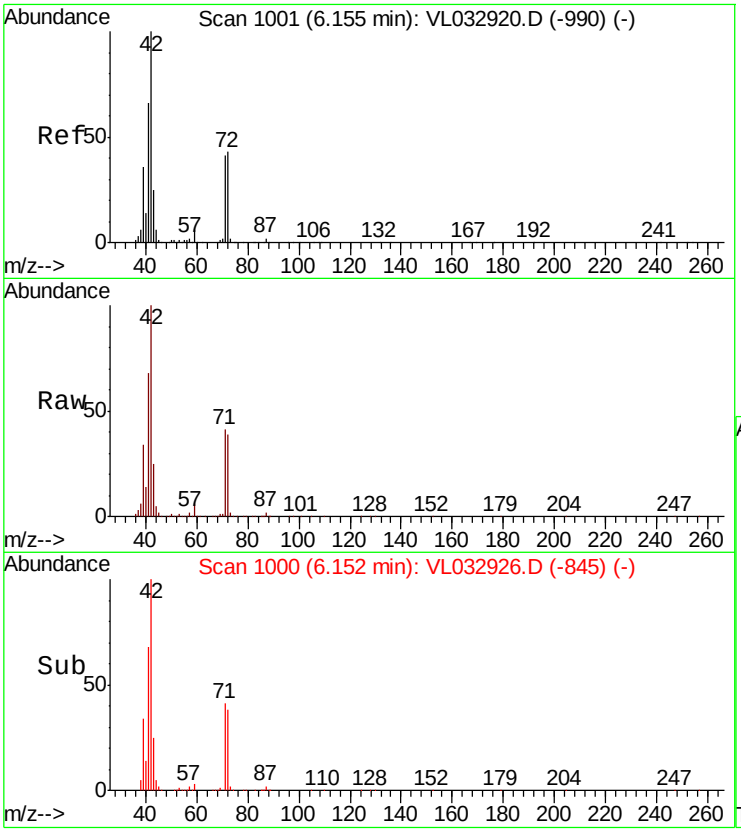


#40
1,4-Dioxane
Concen: 14.741 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 88 Resp: 471030

Ion	Ratio	Lower	Upper
88	100		
58	130.7	107.4	161.2
43	282.5	0.0	0.0#
57	1261.2	0.0	0.0#



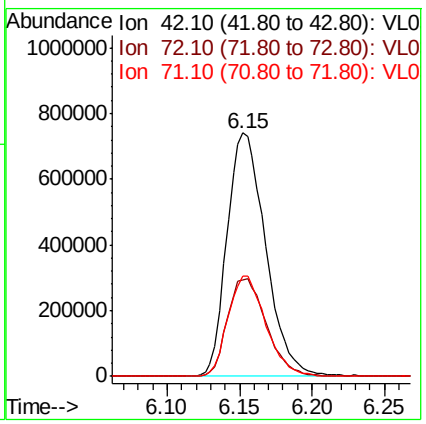


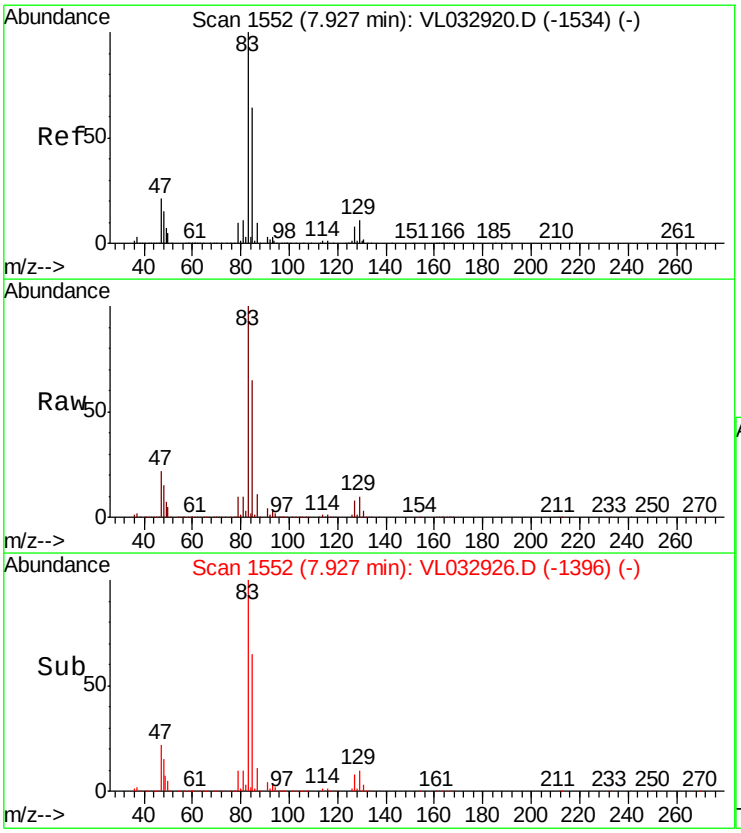
#41
Tetrahydrofuran
Concen: 16.655 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 1368191

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.9	49.3
71	40.4	32.0	48.0

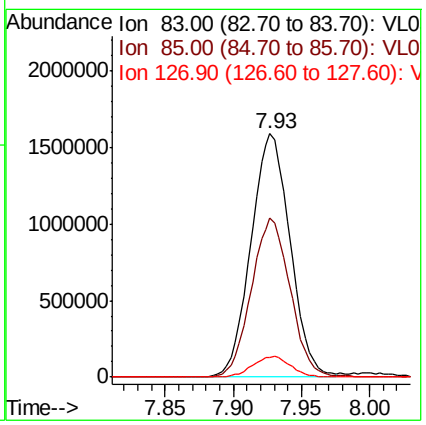


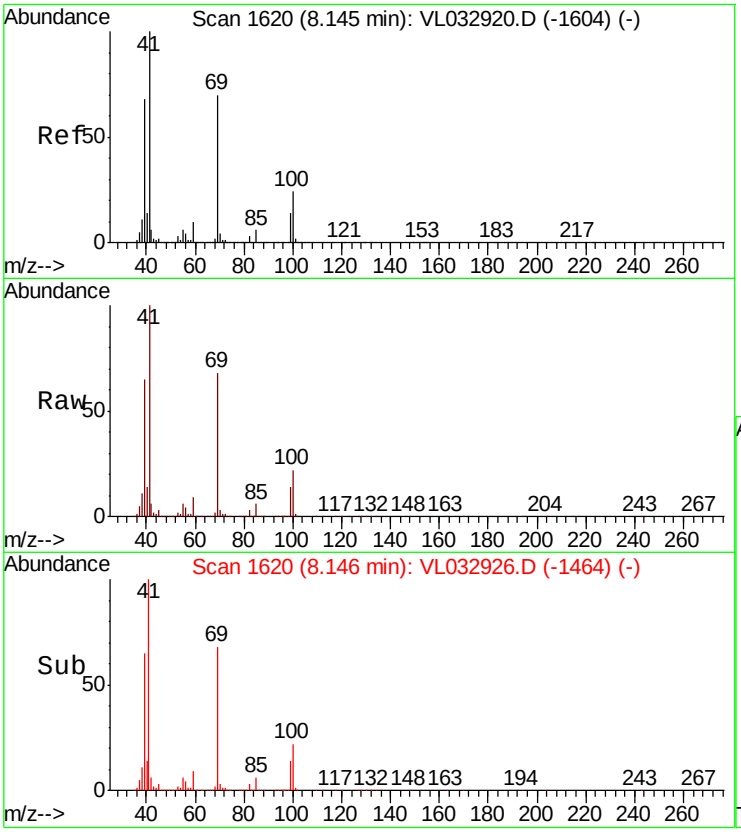


#42
Bromodichloromethane
Concen: 14.689 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 83 Resp: 3171776

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3
127	8.0	6.7	10.1



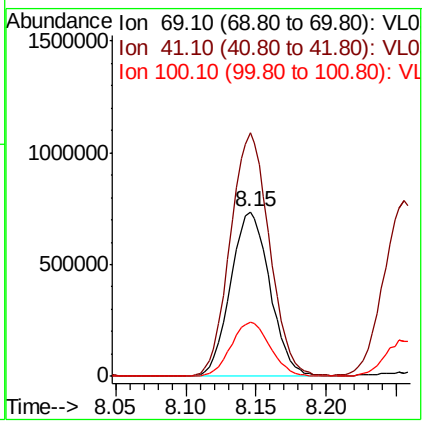


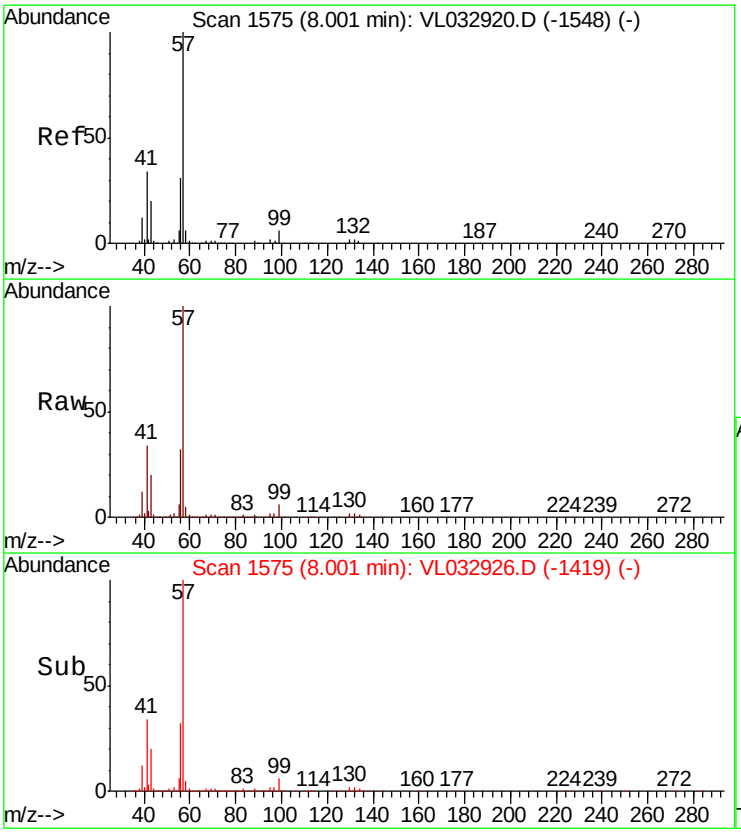
#43
Methyl Methacrylate
Concen: 17.608 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1437330

Ion	Ratio	Lower	Upper
69	100		
41	147.4	116.6	175.0
100	32.7	26.5	39.7

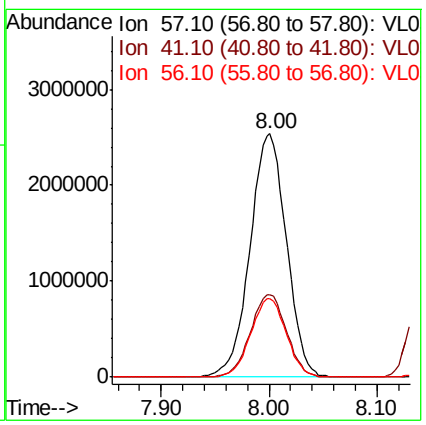


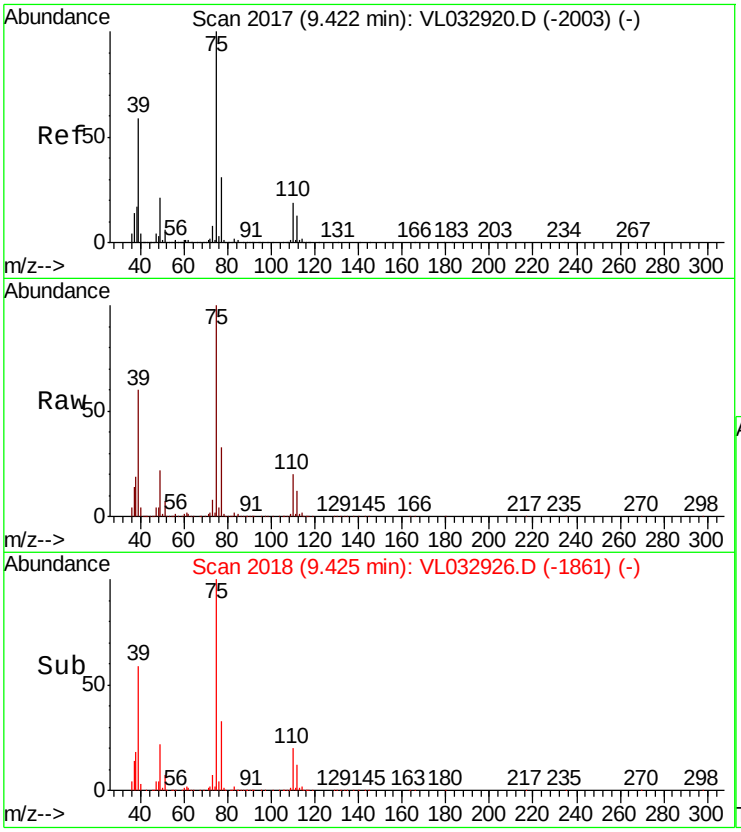


#44
2,2,4-Trimethylpentane
Concen: 15.412 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 57 Resp: 5931233

Ion	Ratio	Lower	Upper
57	100		
41	33.7	27.0	40.4
56	31.5	24.6	37.0



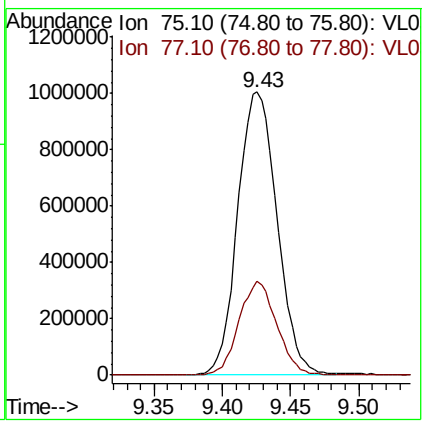


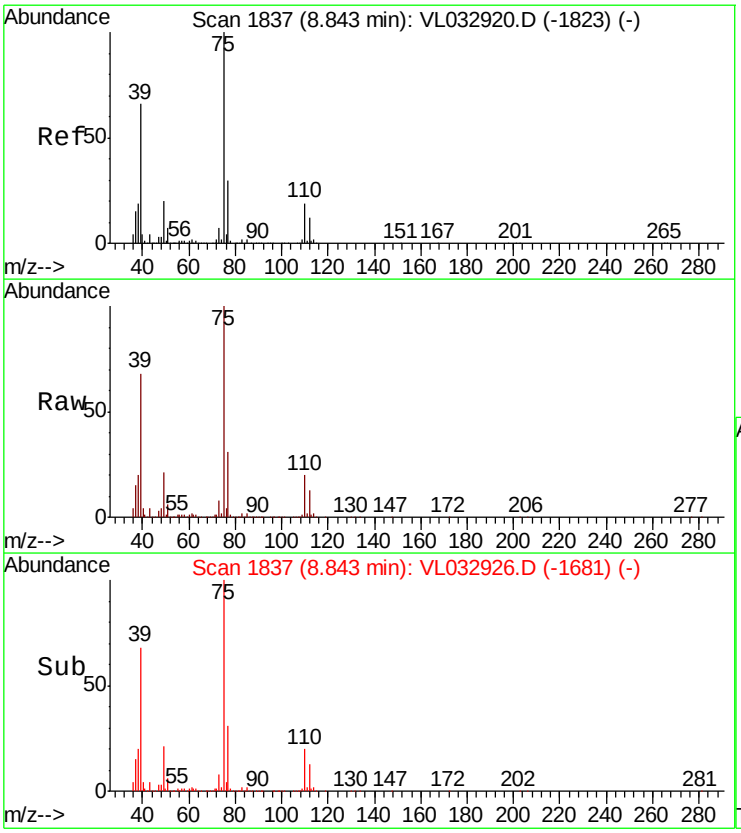
#45
t-1,3-Dichloropropene
Concen: 21.087 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 2020026

Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.8	37.2

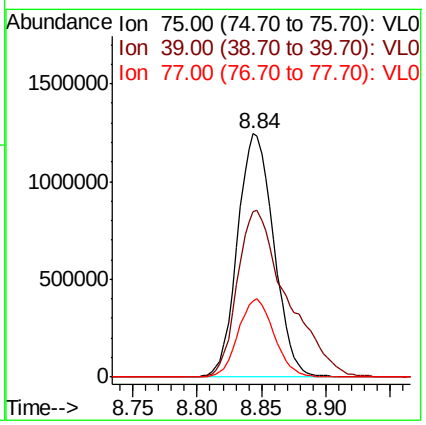


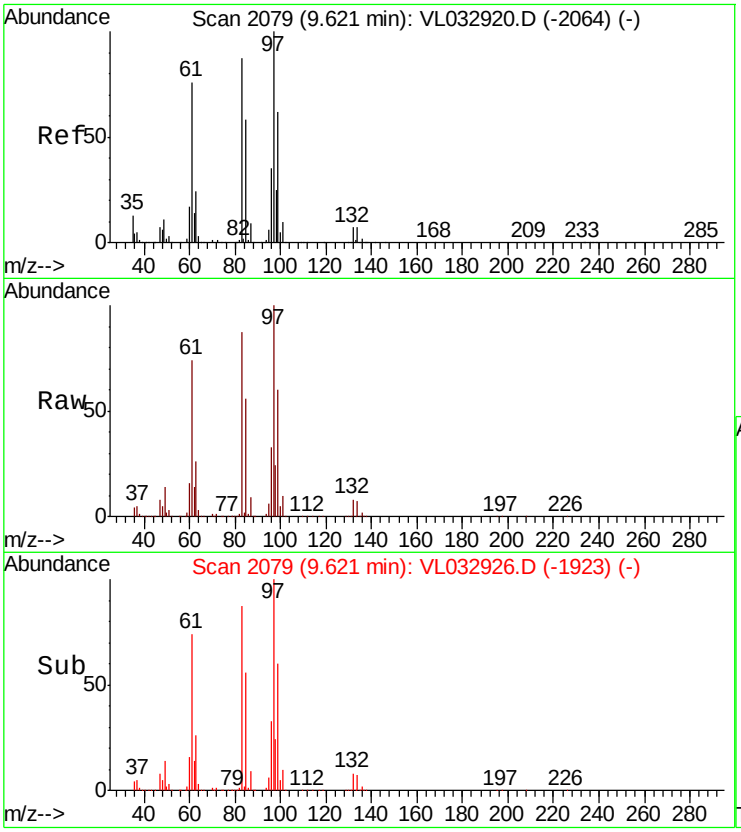


#46
cis-1,3-Dichloropropene
Concen: 20.676 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 75 Resp: 2436541

Ion	Ratio	Lower	Upper
75	100		
39	68.1	52.8	79.2
77	31.2	24.3	36.5



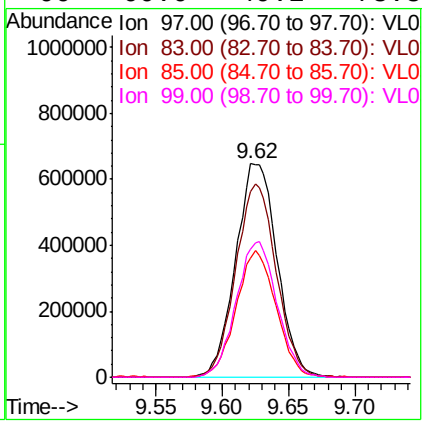


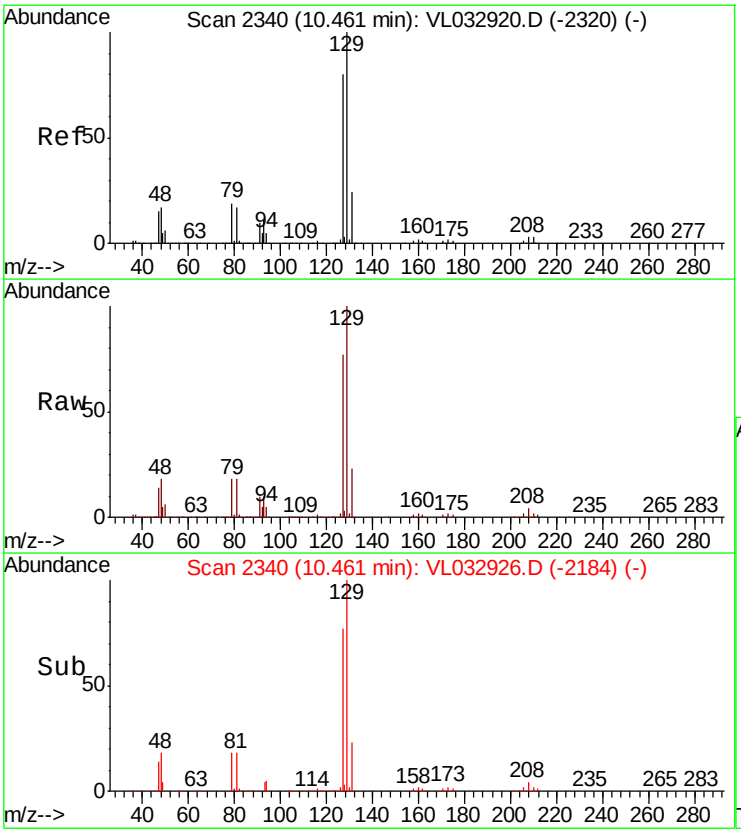
#47
1,1,2-Trichloroethane
Concen: 14.710 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1405232

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.8
85	55.5	46.7	70.1
99	60.0	49.2	73.8

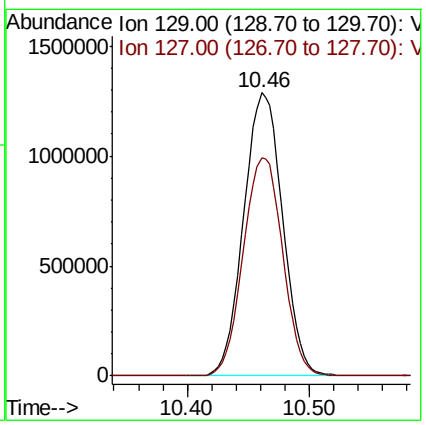


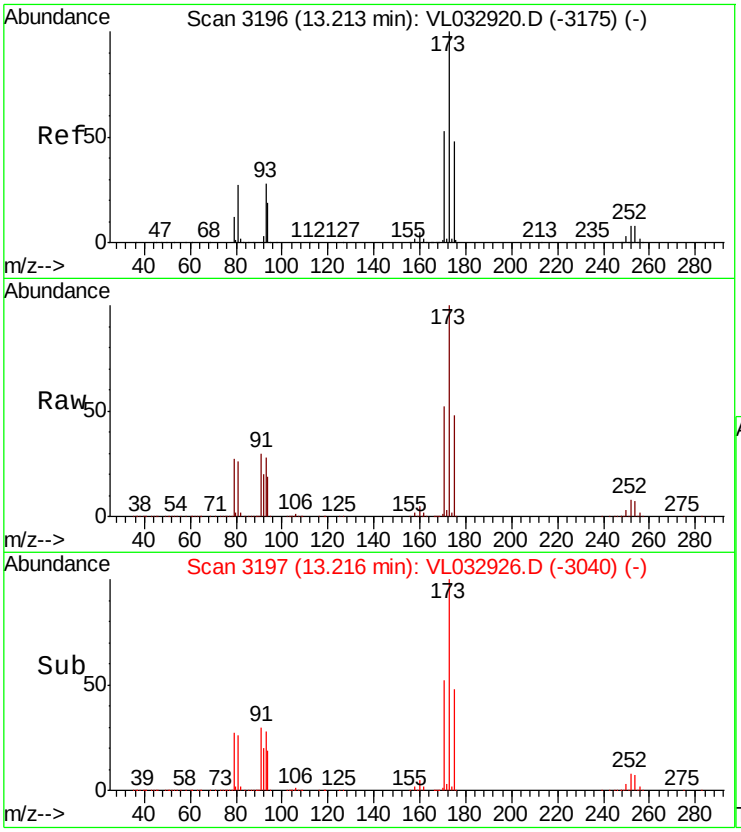


#48
Dibromochloromethane
Concen: 16.132 ppbv
RT: 10.46 min Scan# 2340
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:129 Resp: 2836884

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8



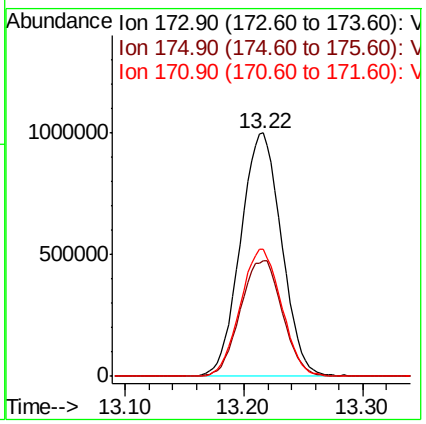


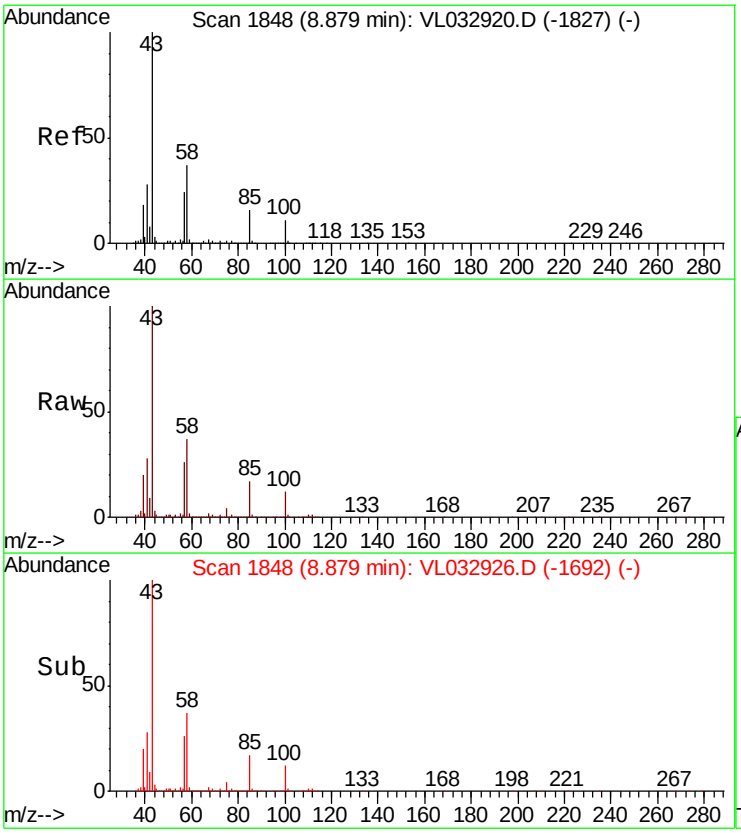
#49
Bromoform
Concen: 16.551 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 2380859

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.0	58.4
171	52.5	41.5	62.3

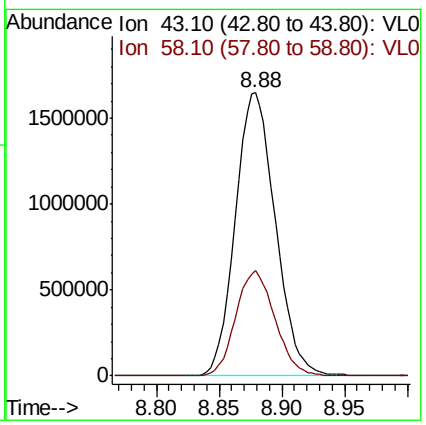


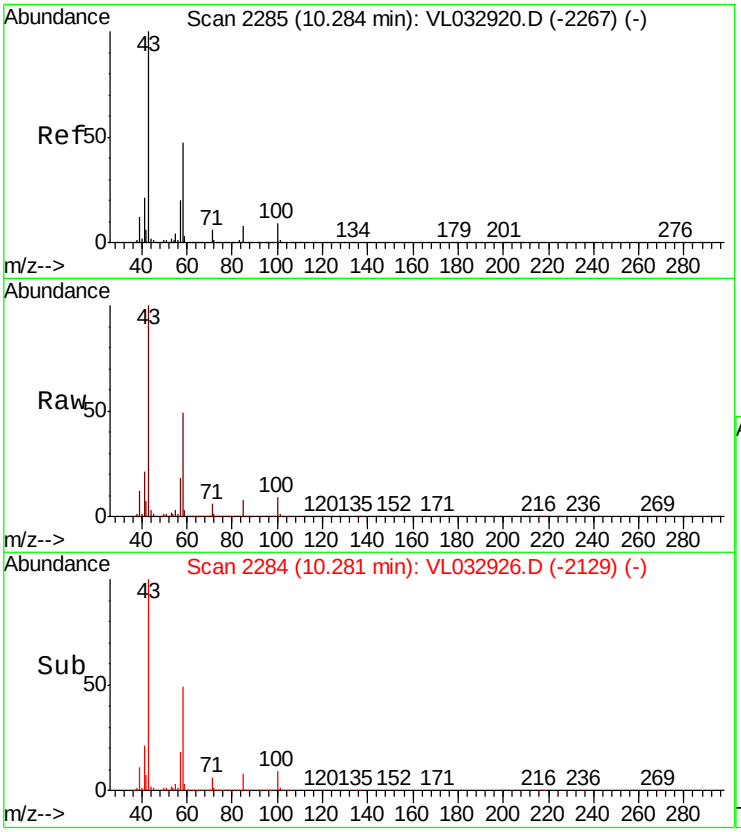


#50
4-Methyl-2-Pentanone
Concen: 17.482 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 43 Resp: 3653097

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.4



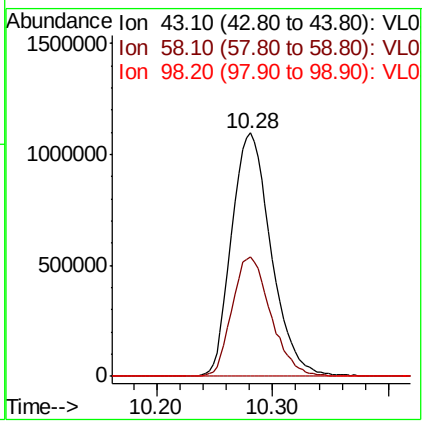


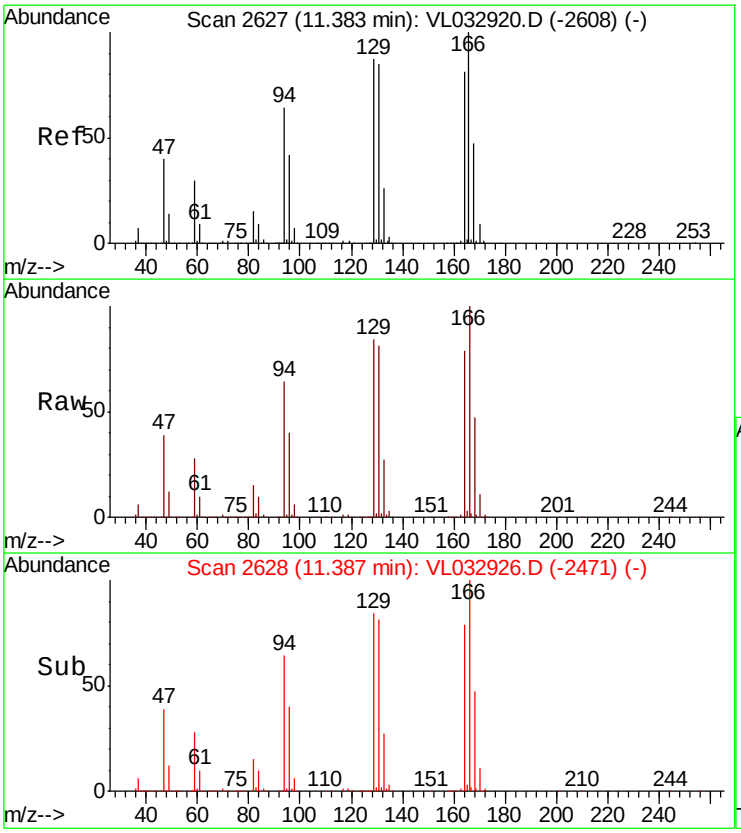
#51
2-Hexanone
Concen: 18.517 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2589585

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.1	57.1
98	0.4	0.4	0.6

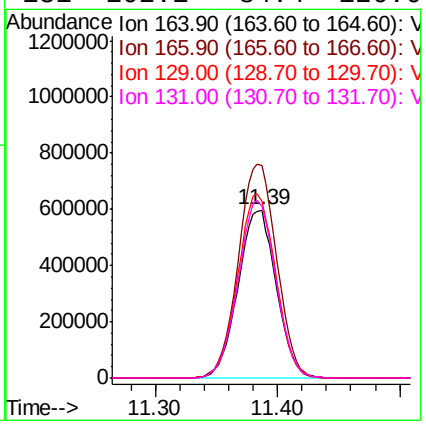


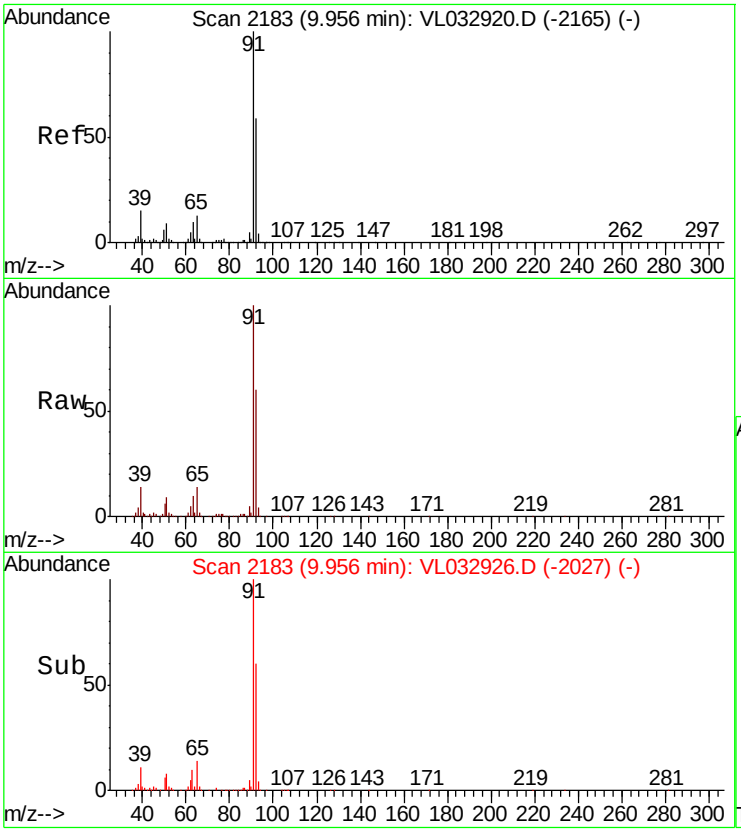


#52
Tetrachloroethene
Concen: 15.515 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:164 Resp: 1280216

Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.8	148.2
129	105.5	85.5	128.3
131	102.1	84.4	126.6



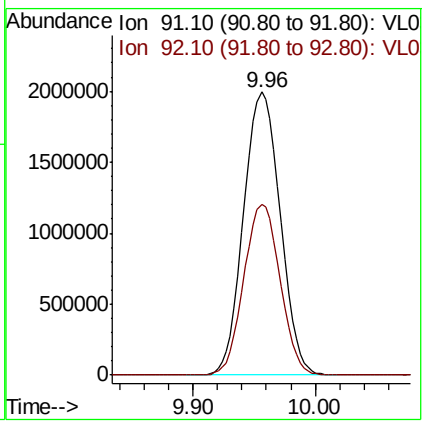


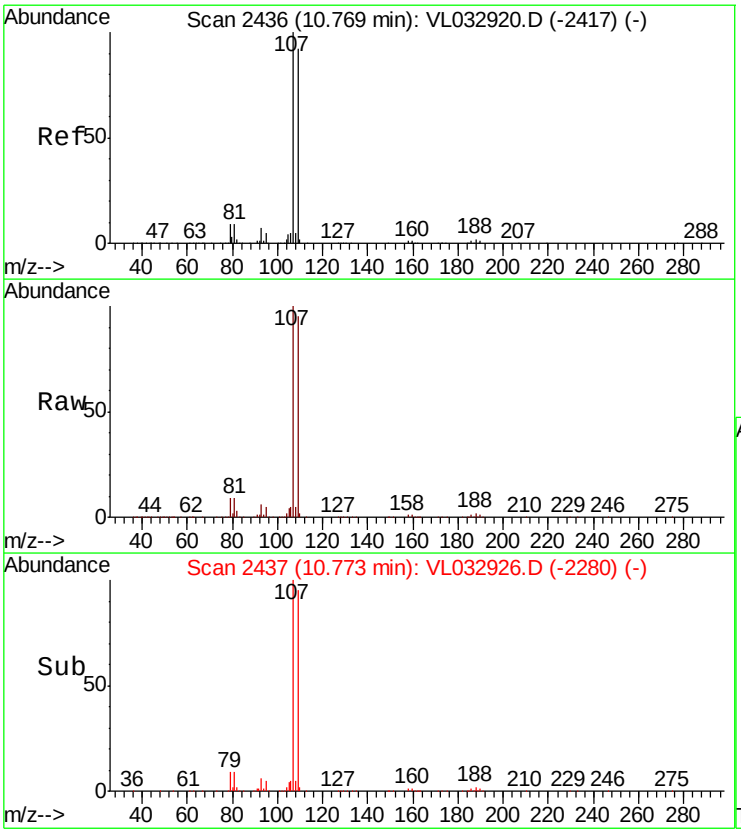
#53
Toluene
Concen: 17.773 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 4143673

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0

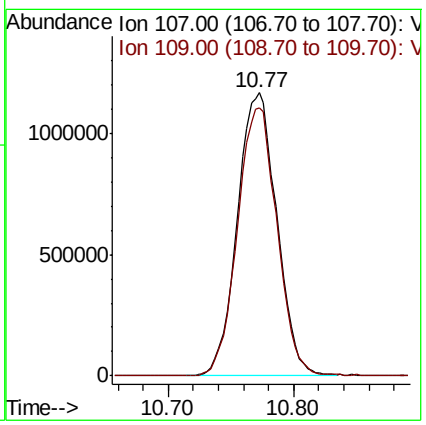


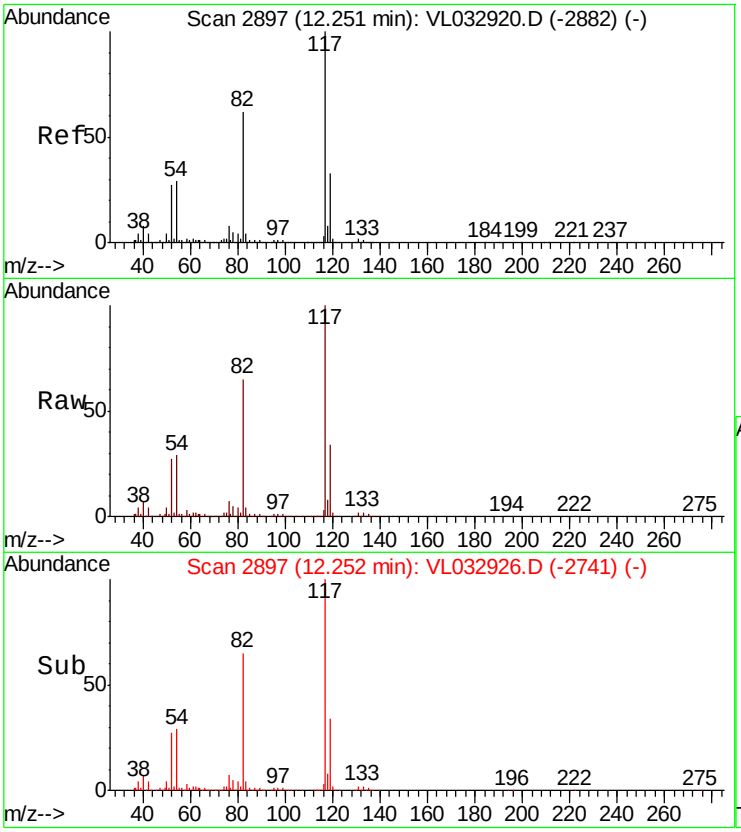


#54
1,2-Dibromoethane
Concen: 17.662 ppbv
RT: 10.77 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:107 Resp: 2535546

Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.4	110.2



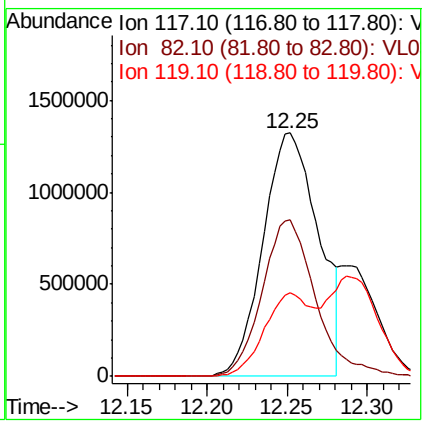


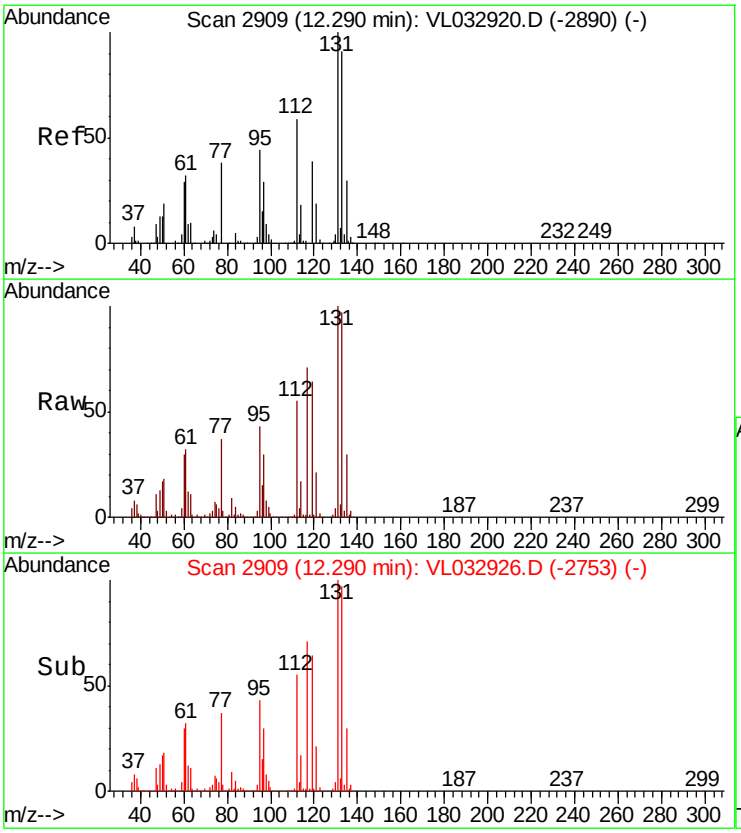
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:117 Resp: 3183548

Ion	Ratio	Lower	Upper
117	100		
82	62.3	47.8	71.8
119	0.0	43.1	64.7#

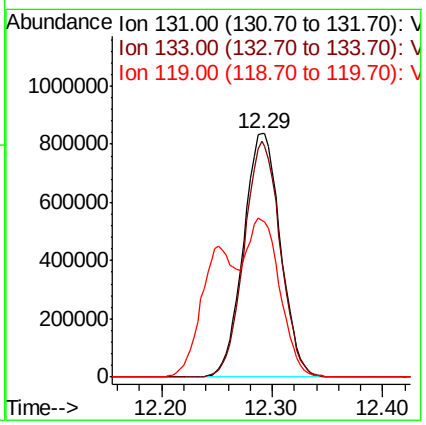


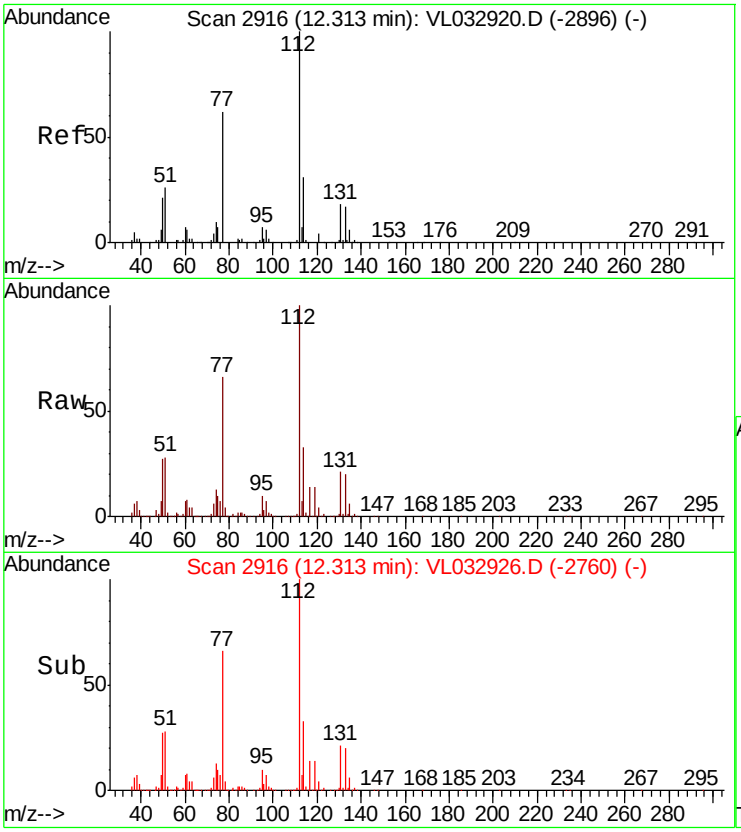


#56
1,1,1,2-Tetrachloroethane
Concen: 13.438 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:131 Resp: 1947898

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.1	112.7
119	110.9	47.5	71.3#



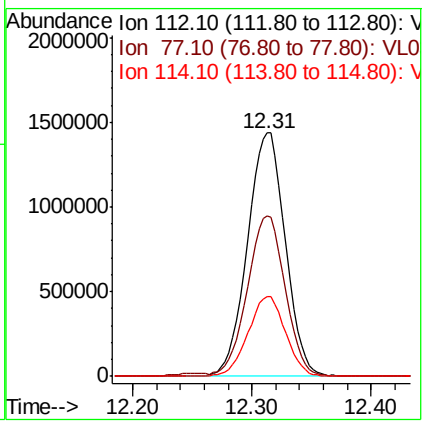


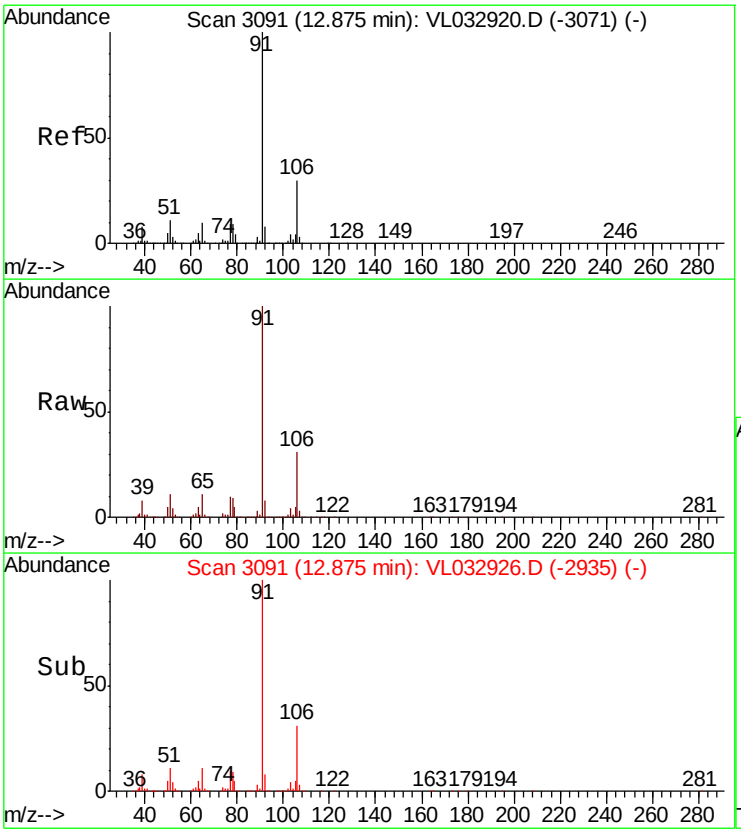
#57
Chlorobenzene
Concen: 13.491 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 3165658

Ion	Ratio	Lower	Upper
112	100		
77	65.6	51.1	76.7
114	32.7	28.4	34.7

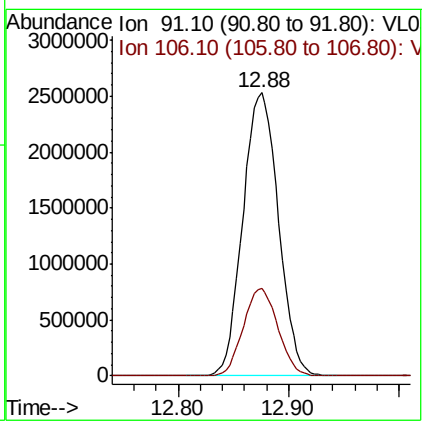


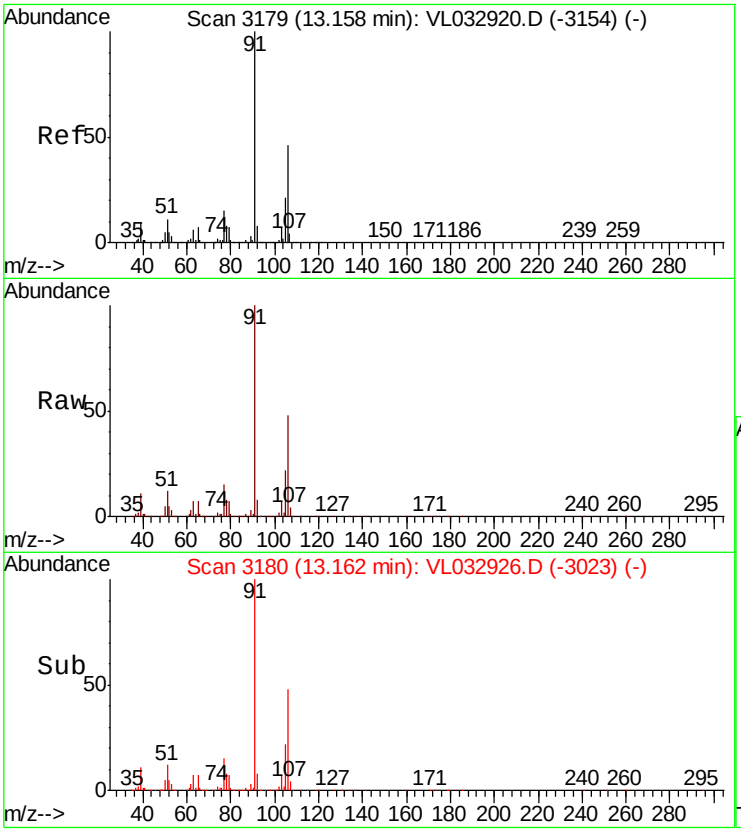


#58
Ethyl Benzene
Concen: 17.143 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 91 Resp: 5660341

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.9	35.9



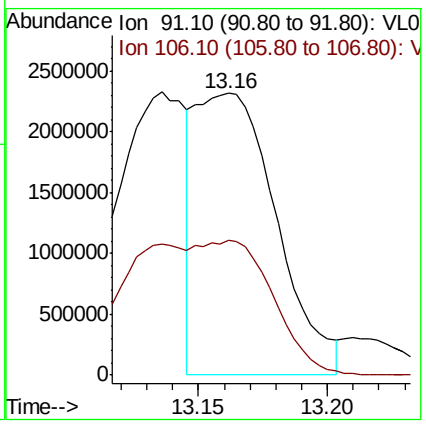


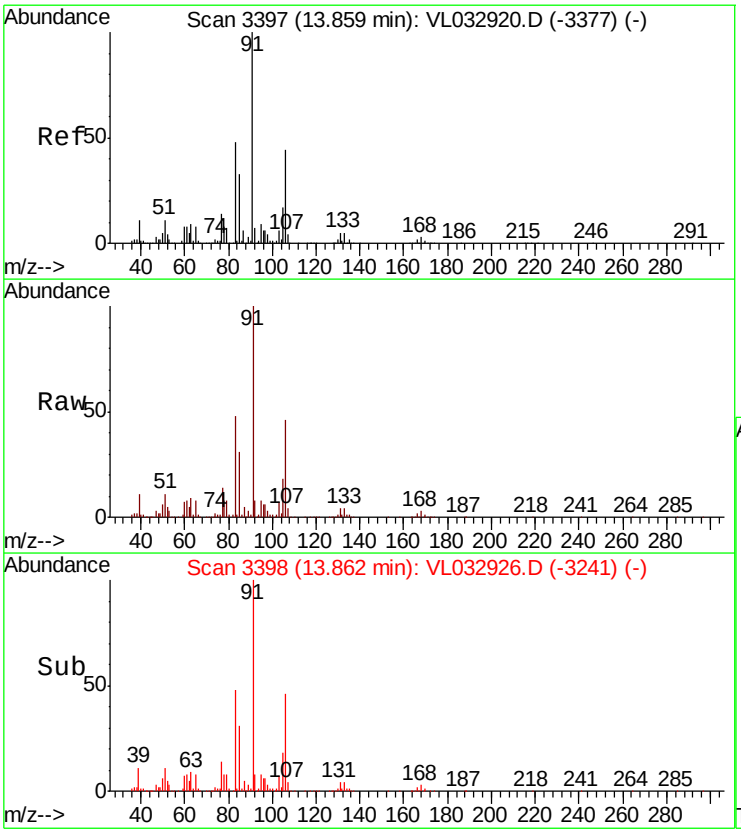
#59
m/p-Xylene
Concen: 16.387 ppbv
RT: 13.16 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 5008031

Ion	Ratio	Lower	Upper
91	100		
106	87.6	0.0	0.0#

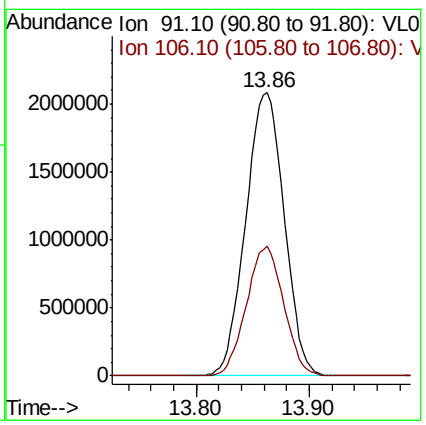


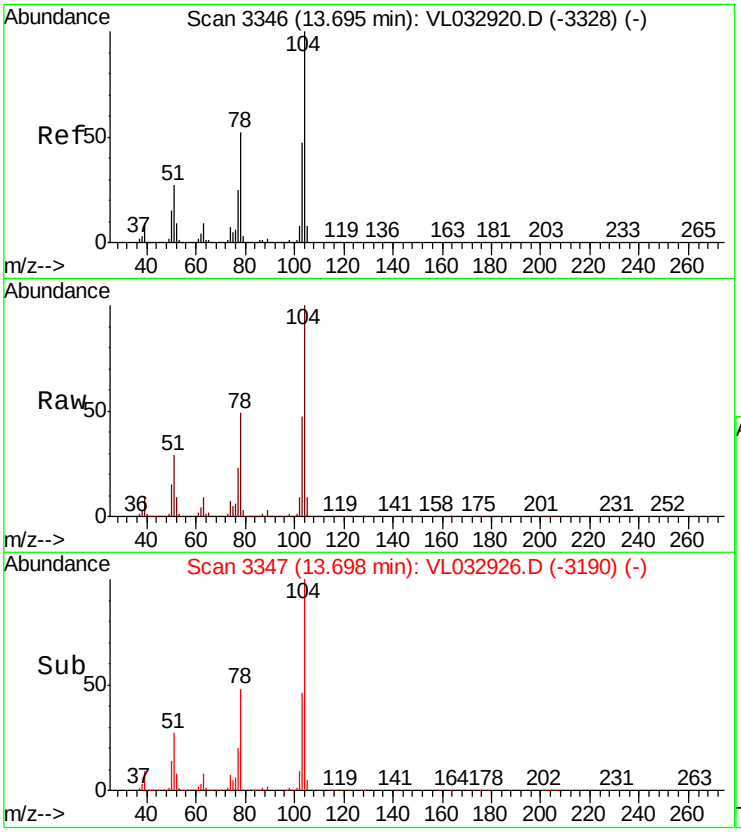


#60
o-Xylene
Concen: 16.064 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 91 Resp: 4925197

Ion	Ratio	Lower	Upper
91	100		
106	44.4	21.9	65.8



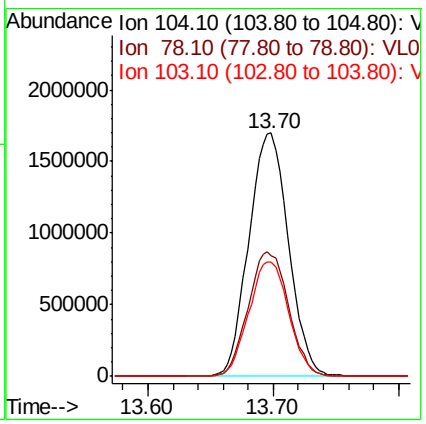


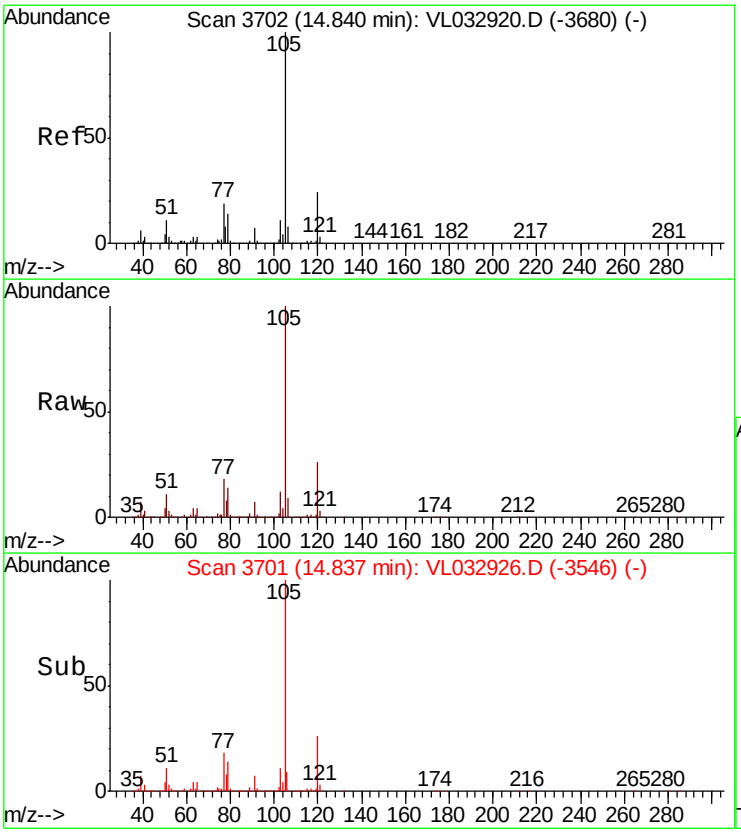
#61
Styrene
Concen: 19.020 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 3733878

Ion	Ratio	Lower	Upper
104	100		
78	52.2	42.0	63.0
103	47.7	38.3	57.5

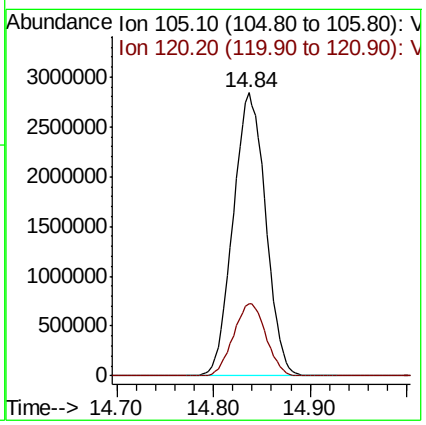


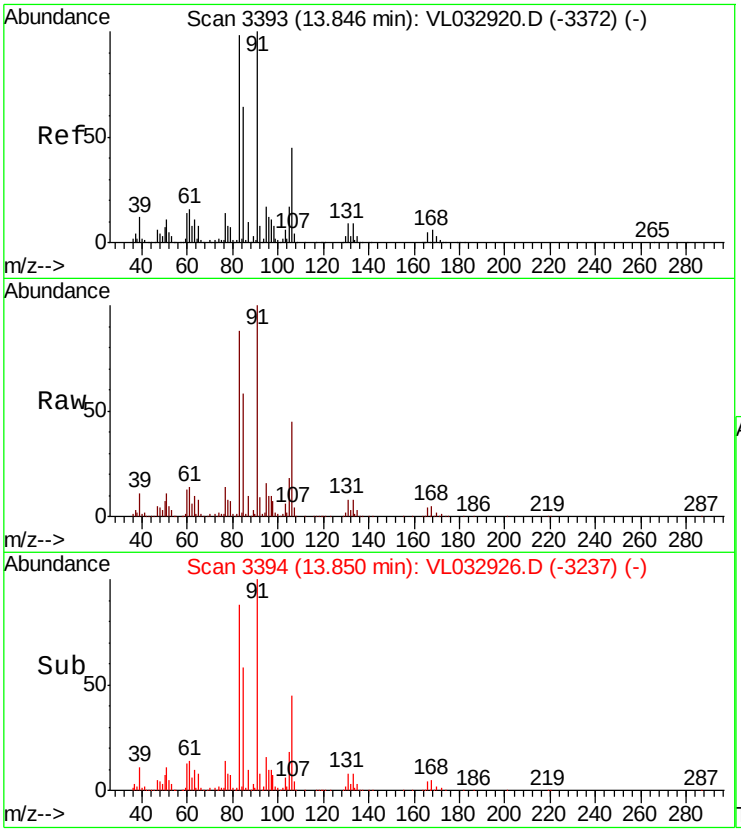


#62
Isopropylbenzene
Concen: 15.383 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:105 Resp: 6639368

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5



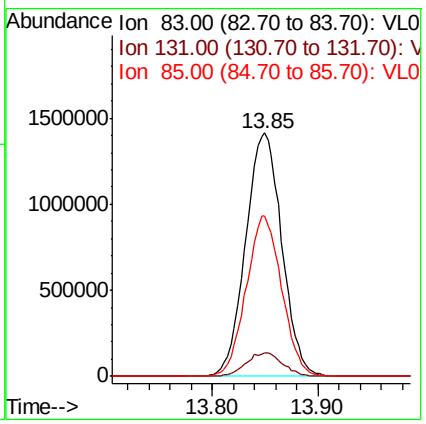


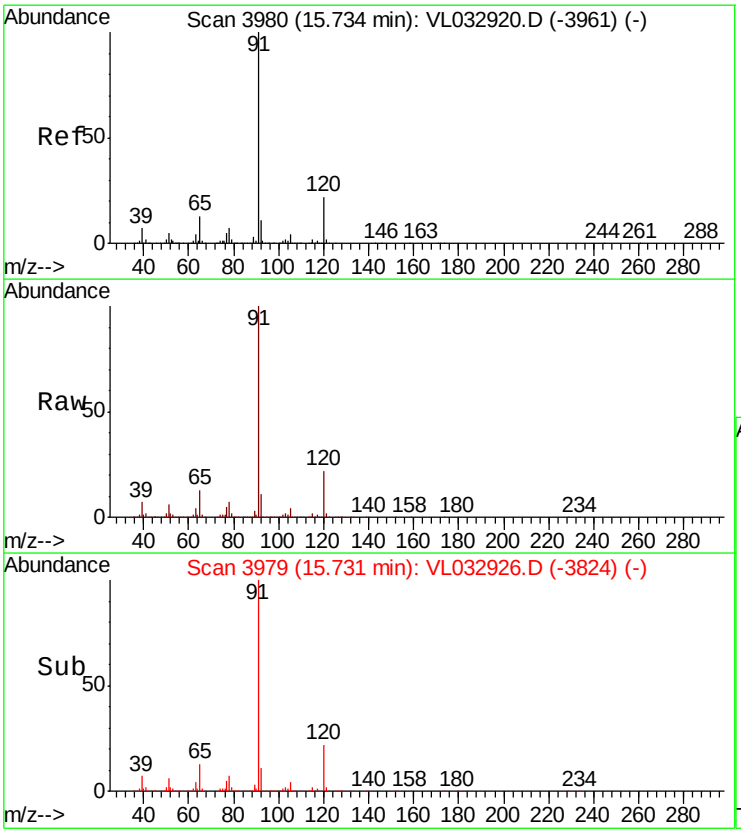
#63
1,1,2,2-Tetrachloroethane
Concen: 13.851 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 3381119

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	64.8	32.9	98.6

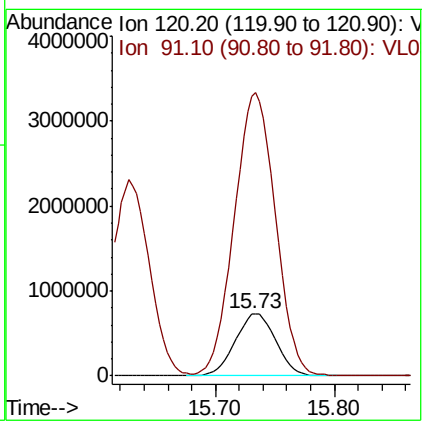


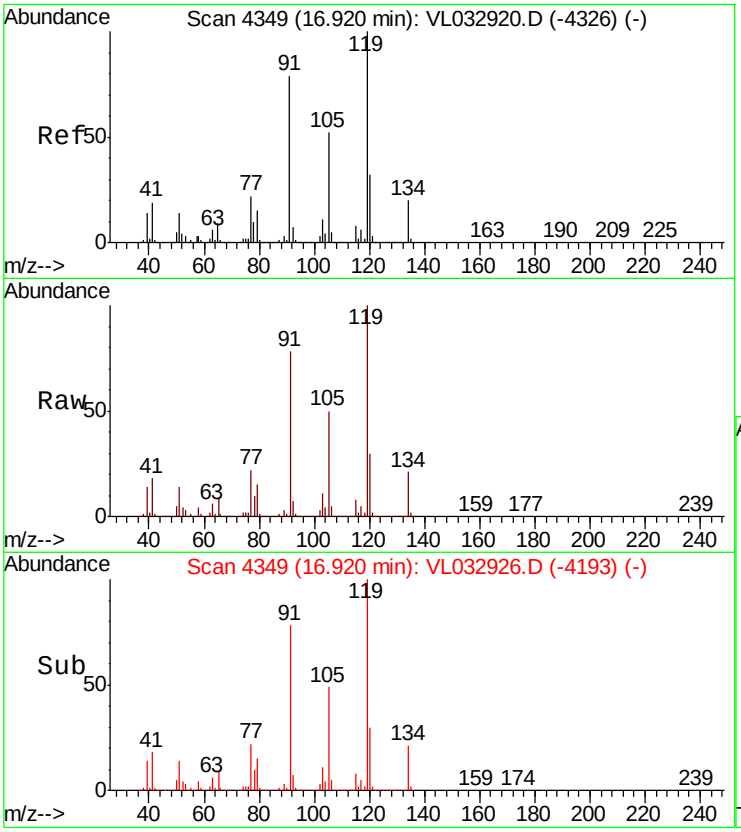


#64
n-propylbenzene
Concen: 15.335 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:120 Resp: 1720252

Ion	Ratio	Lower	Upper
120	100		
91	464.6	380.4	570.6



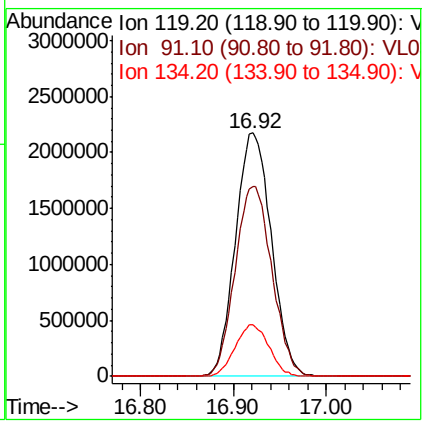


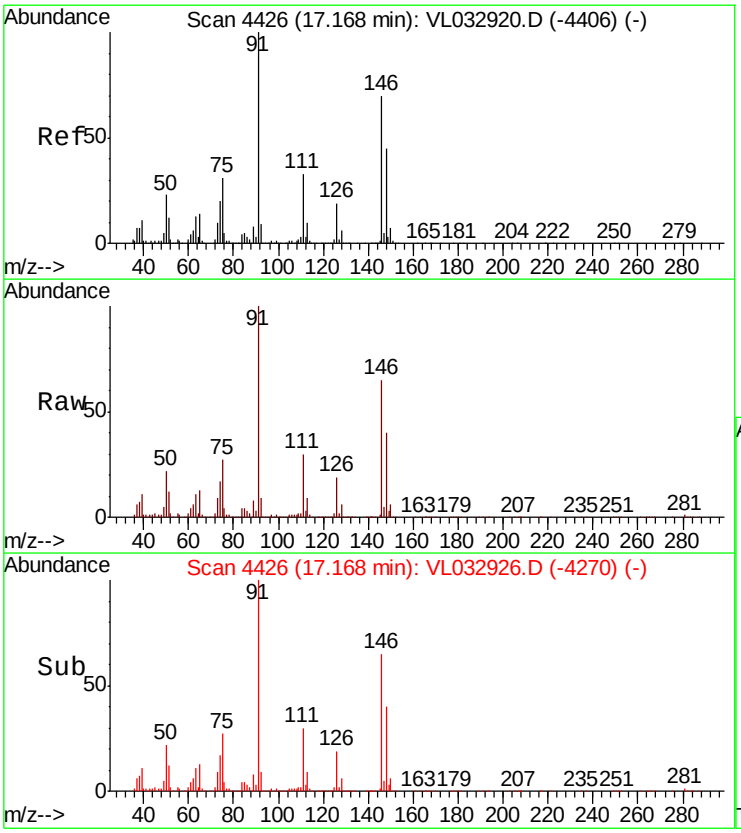
#65
tert-Butylbenzene
Concen: 14.414 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 5842855

Ion	Ratio	Lower	Upper
119	100		
91	79.9	64.5	96.7
134	19.9	15.7	23.5

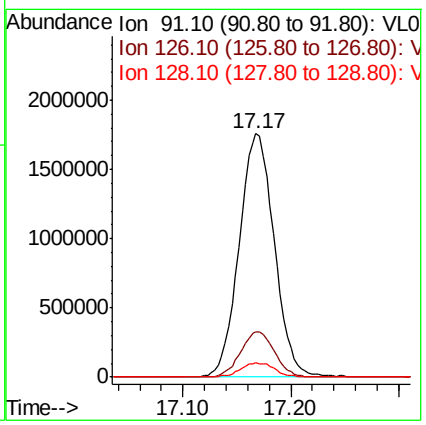


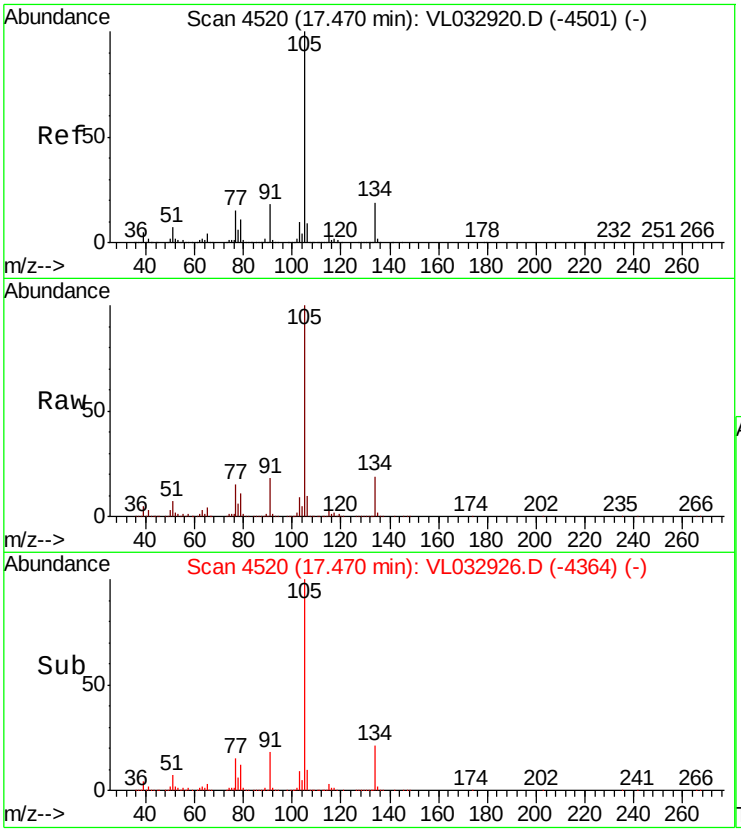


#66
Benzyl Chloride
Concen: 18.732 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 91 Resp: 3977742

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



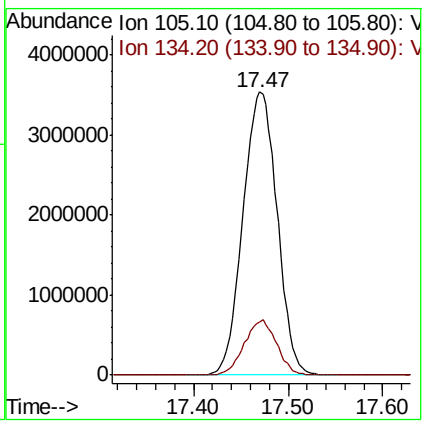


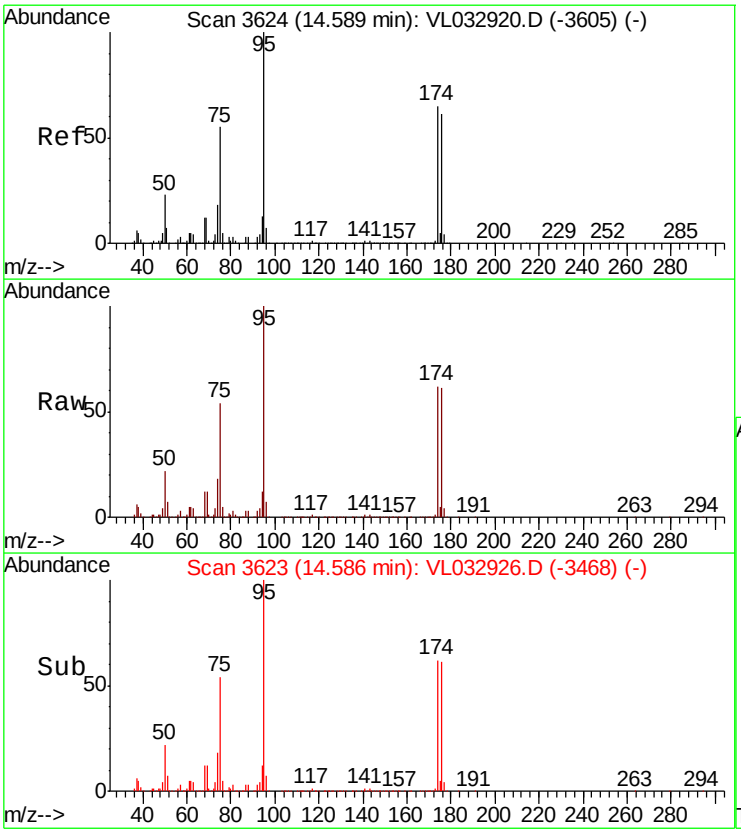
#67
sec-Butylbenzene
Concen: 14.944 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 8867798

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

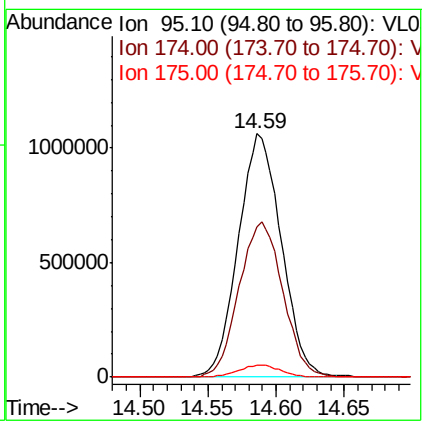


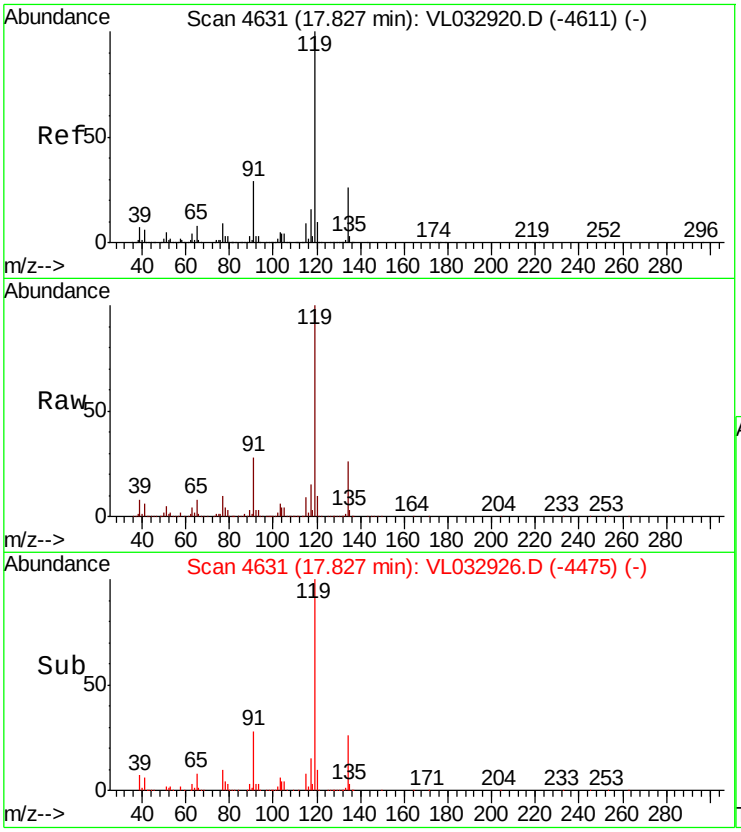


#68
1-Bromo-4-Fluorobenzene
Concen: 9.825 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 95 Resp: 2316640

Ion	Ratio	Lower	Upper
95	100		
174	65.4	51.4	77.0
175	4.9	3.8	5.6



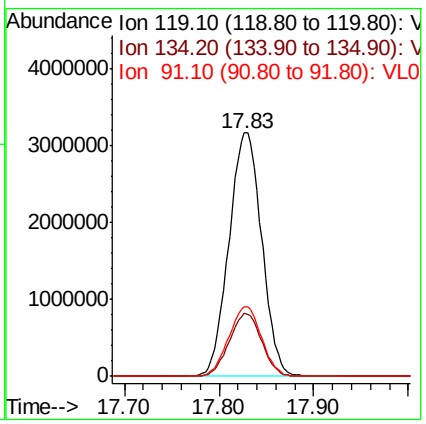


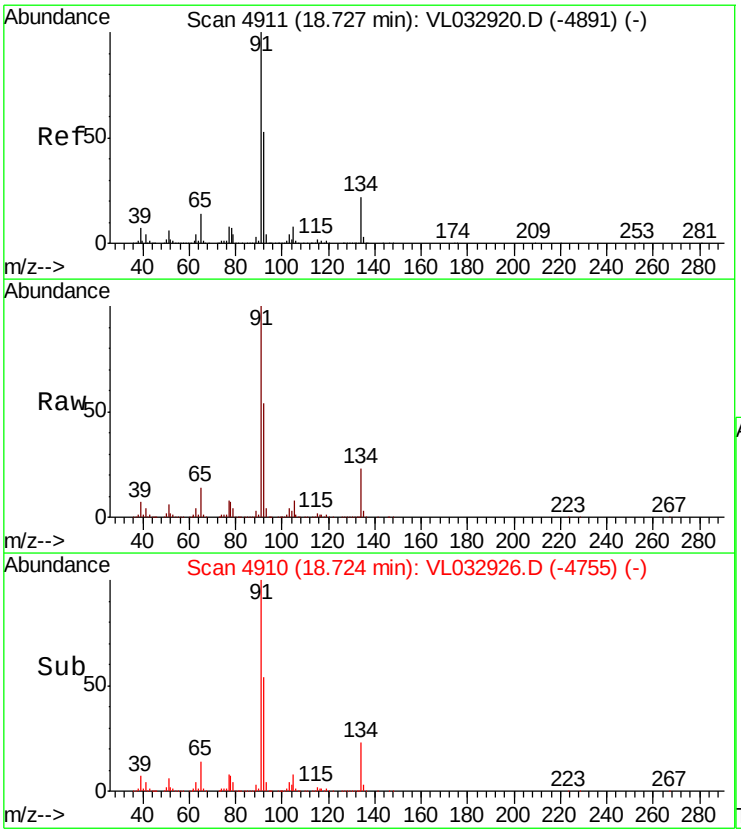
#69
p-Isopropyltoluene
Concen: 16.094 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:119 Resp: 7622720

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.2	30.2
91	28.6	22.9	34.3

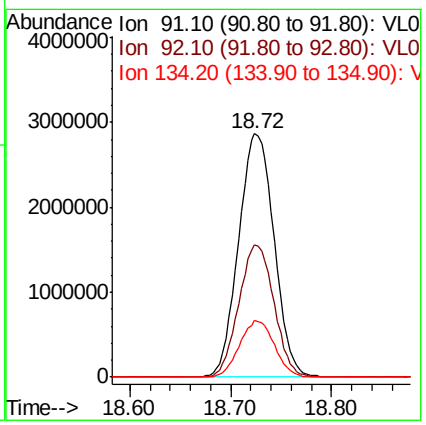


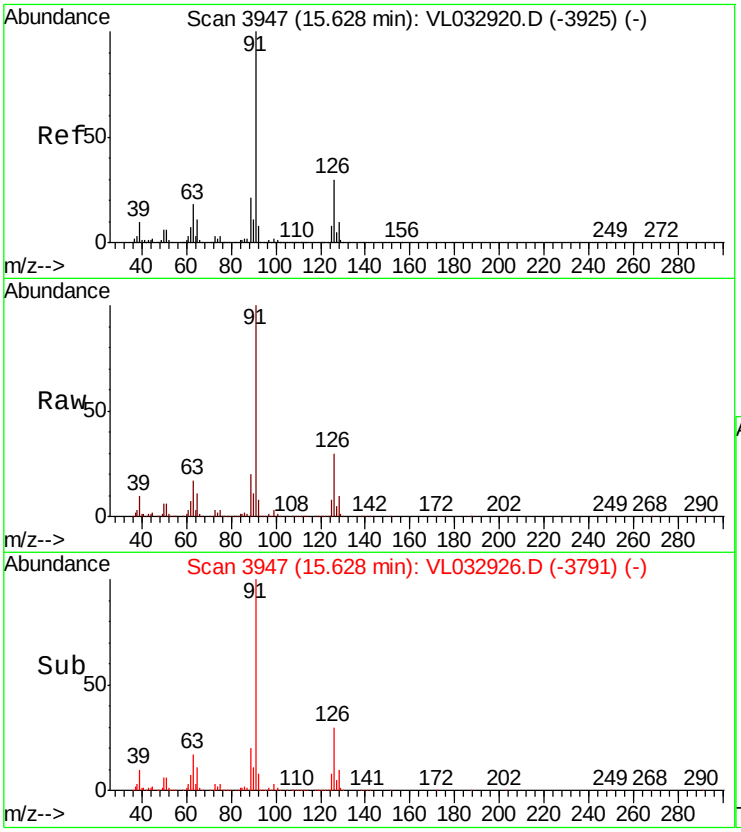


#70
n-Butylbenzene
Concen: 16.015 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. -0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion: 91 Resp: 6985792

Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.7	64.1
134	22.8	18.0	27.0



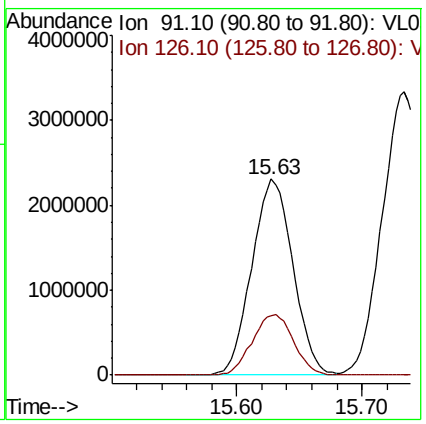


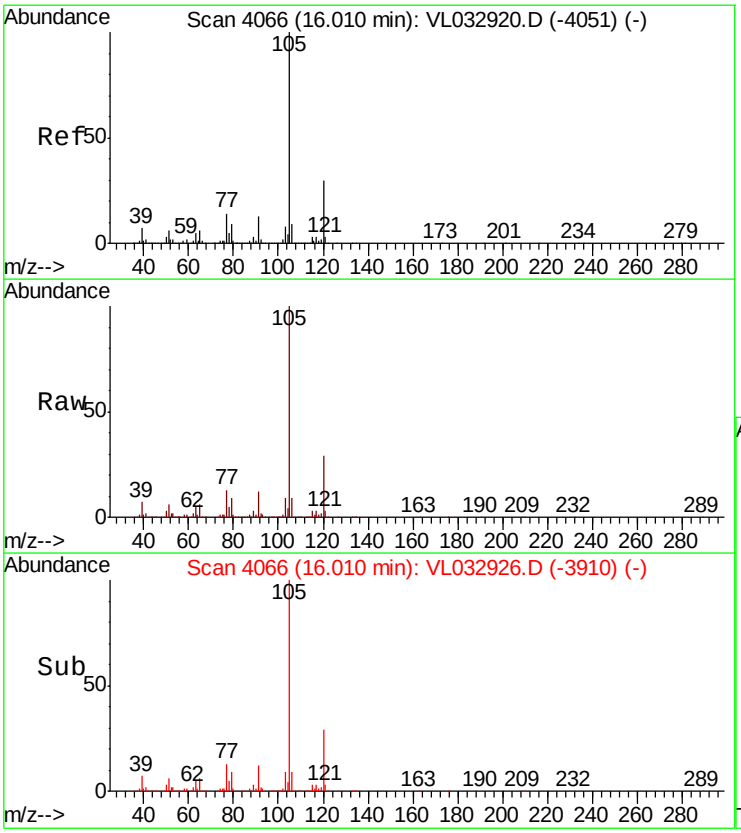
#71
2-Chlorotoluene
Concen: 16.699 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 5268088

Ion	Ratio	Lower	Upper
91	100		
126	31.1	12.3	49.3

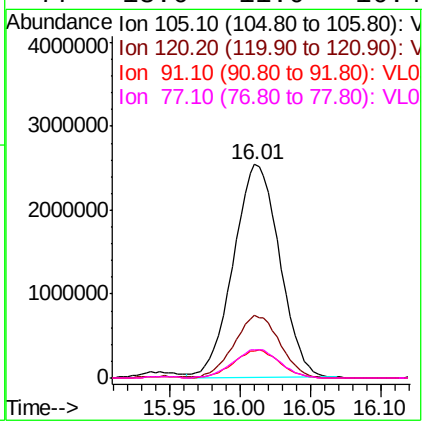


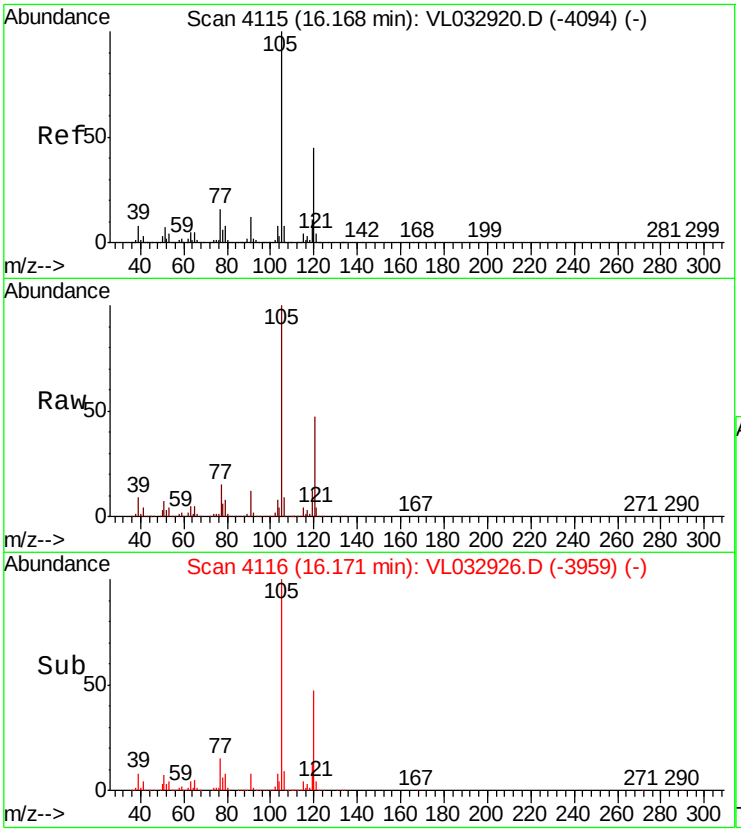


#72
4-Ethyltoluene
Concen: 17.315 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:105 Resp: 5830627

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.0	34.4
91	13.0	10.4	15.6
77	13.6	11.0	16.4



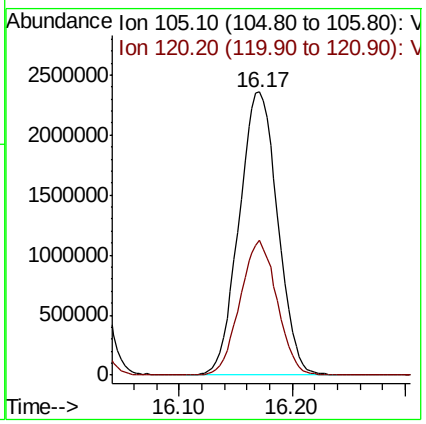


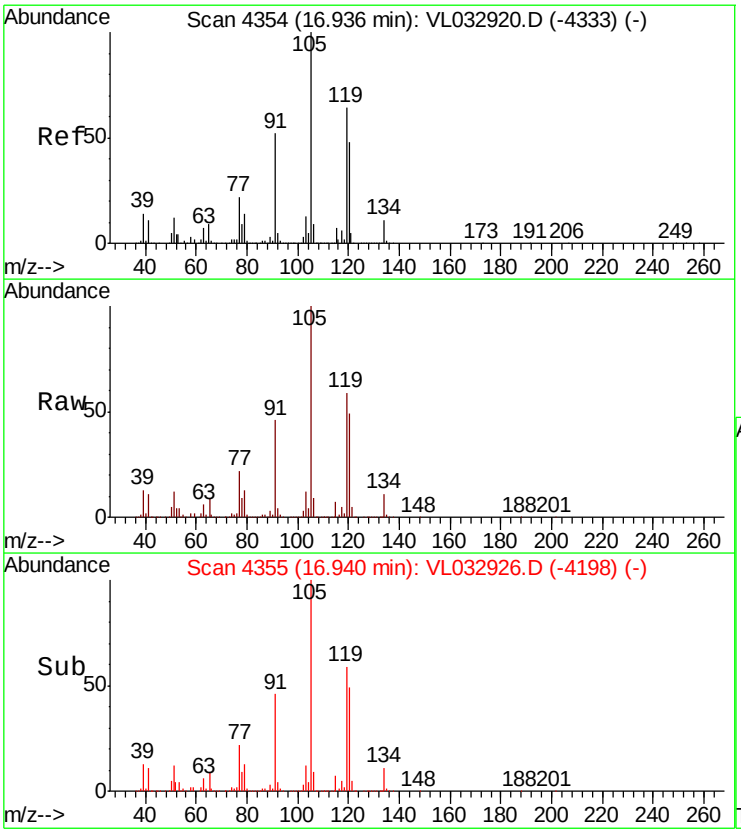
#73
1,3,5-Trimethylbenzene
Concen: 16.830 ppbv
RT: 16.17 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 5567835

Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.0	54.0

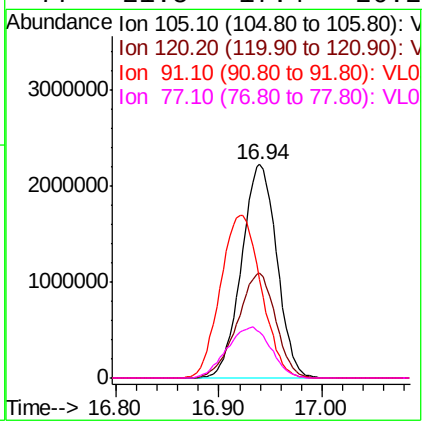


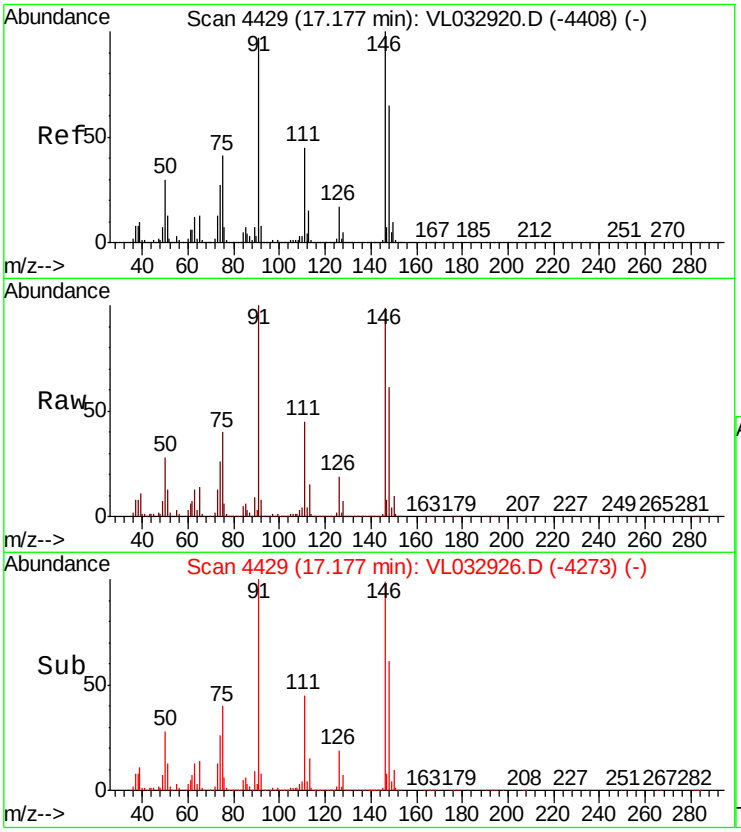


#74
1,2,4-Trimethylbenzene
Concen: 13.521 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:105 Resp: 5278021

Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.6	58.0
91	46.1	41.7	62.5
77	21.5	17.4	26.2



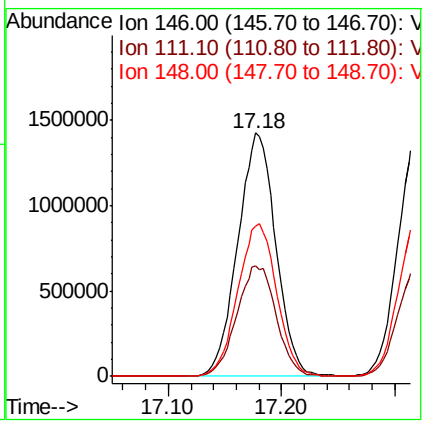


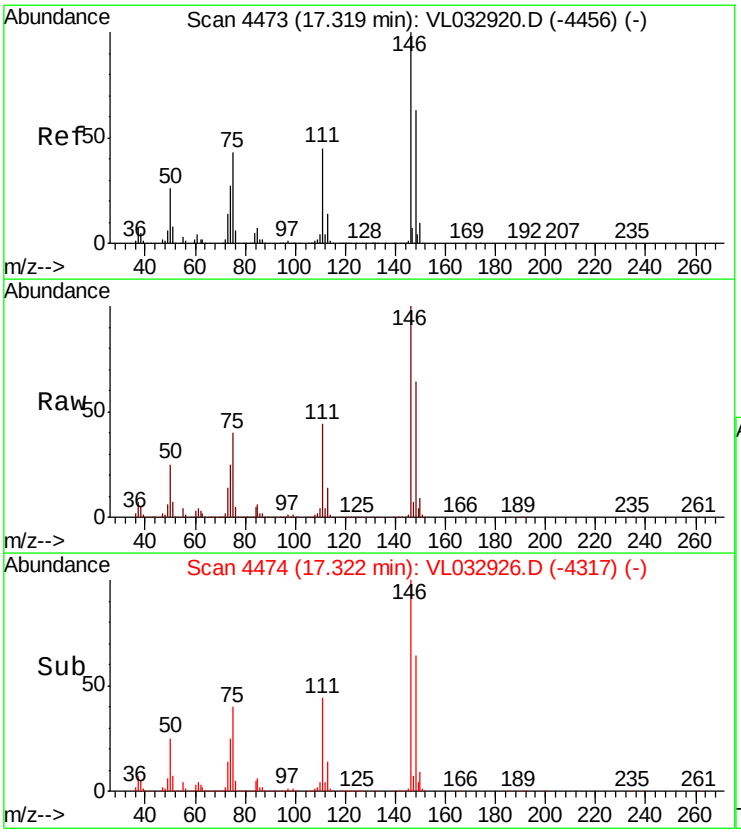
#75
1,3-Dichlorobenzene
Concen: 14.758 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3336425

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.6	70.8
148	64.1	32.1	96.3

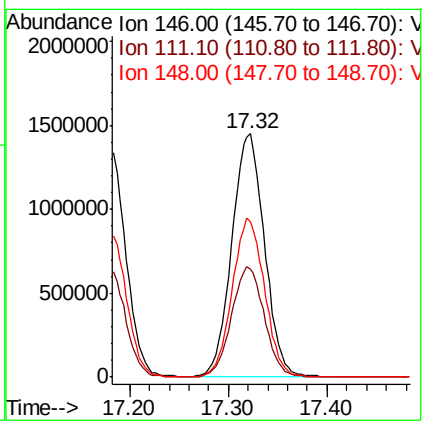


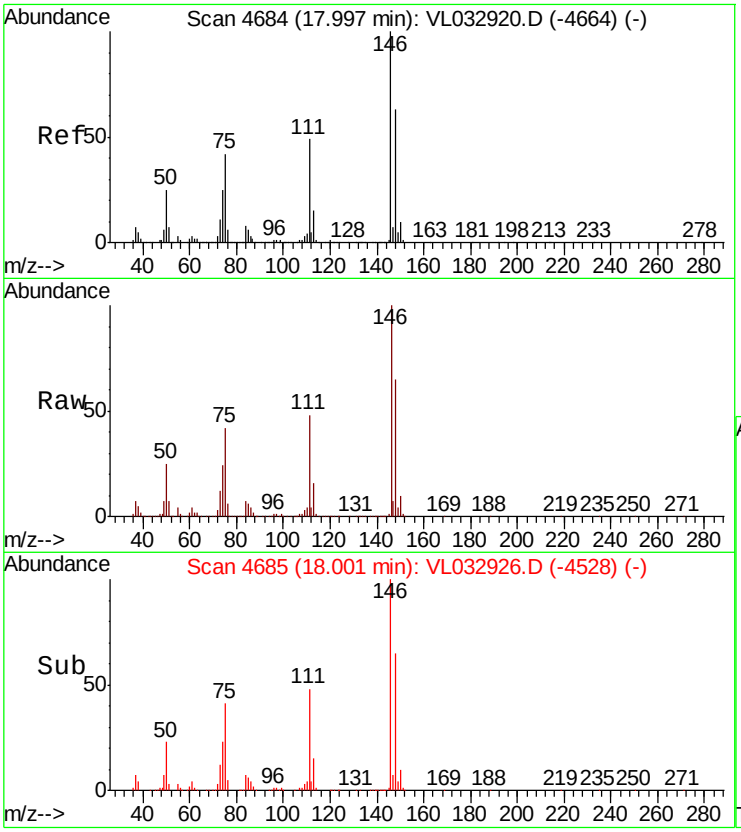


#76
1,4-Dichlorobenzene
Concen: 16.035 ppbv
RT: 17.32 min Scan# 4474
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:146 Resp: 3325766

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.8	68.4
148	64.8	32.0	96.2



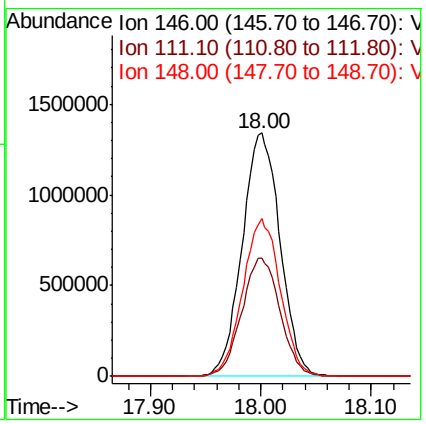


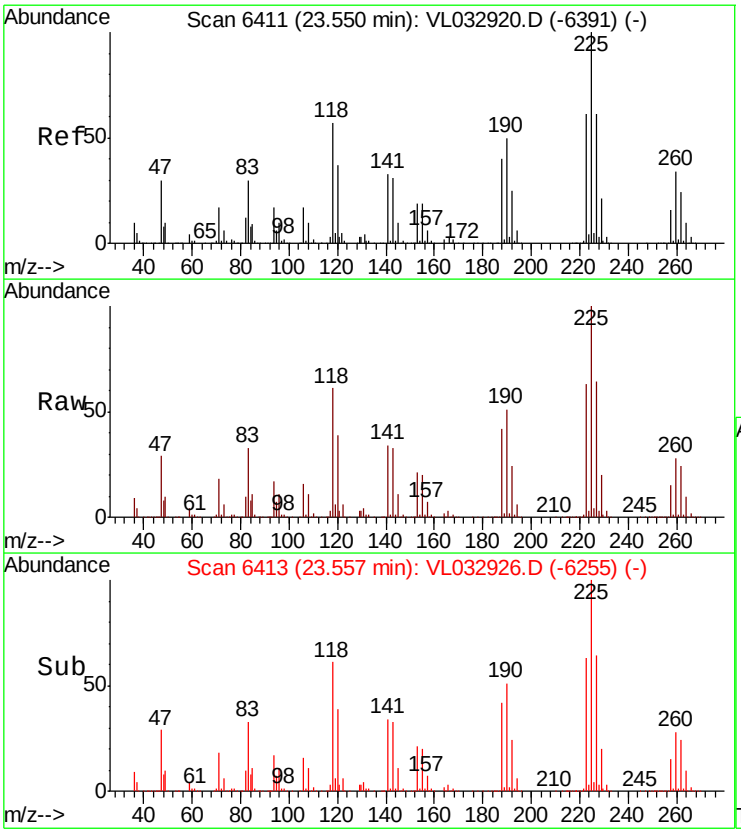
#77
1,2-Dichlorobenzene
Concen: 15.231 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 3195296

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.3	72.9
148	64.3	32.0	96.2

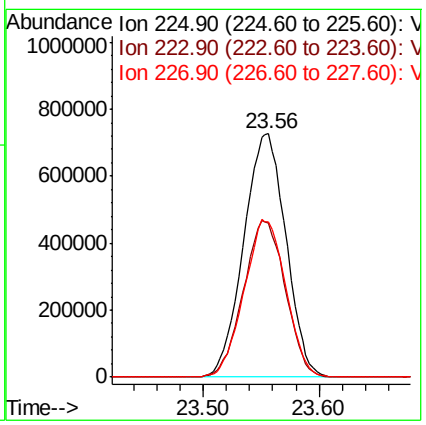


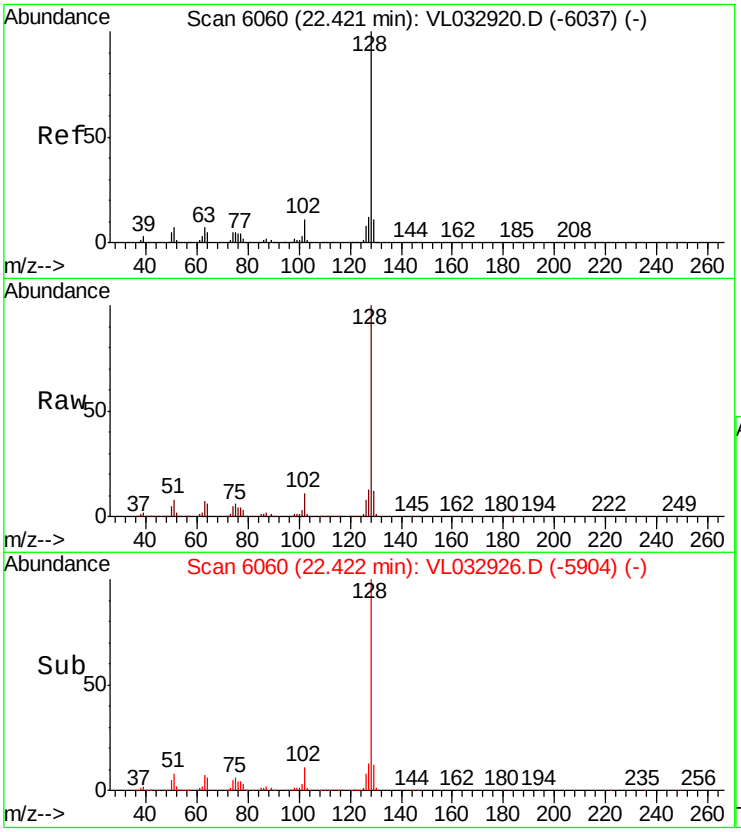


#78
Hexachloro-1,3-Butadiene
Concen: 16.119 ppbv
RT: 23.56 min Scan# 6413
Delta R.T. 0.01 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:225 Resp: 1838027

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	63.9	50.4	75.6



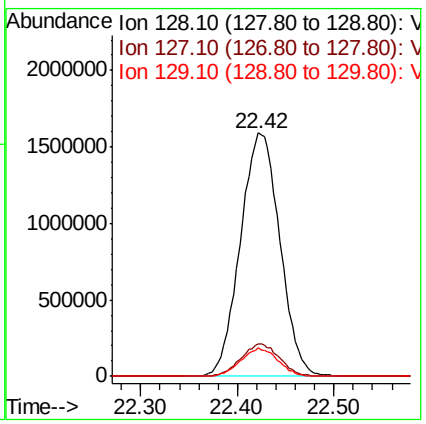


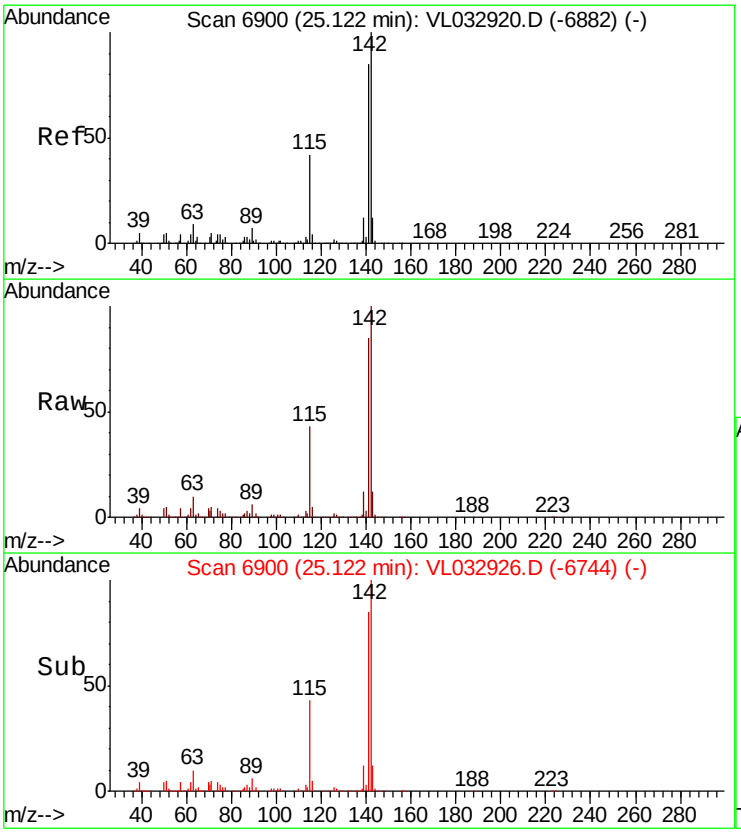
#79
Naphthalene
Concen: 19.301 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 4510216

Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	11.6	8.6	13.0

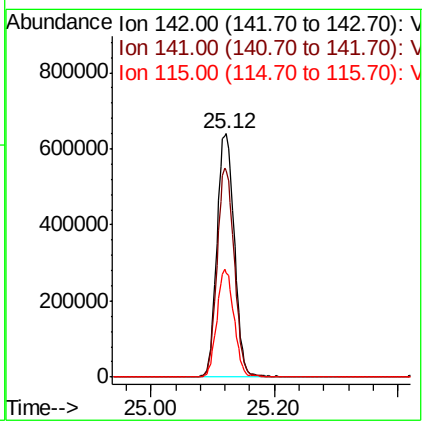


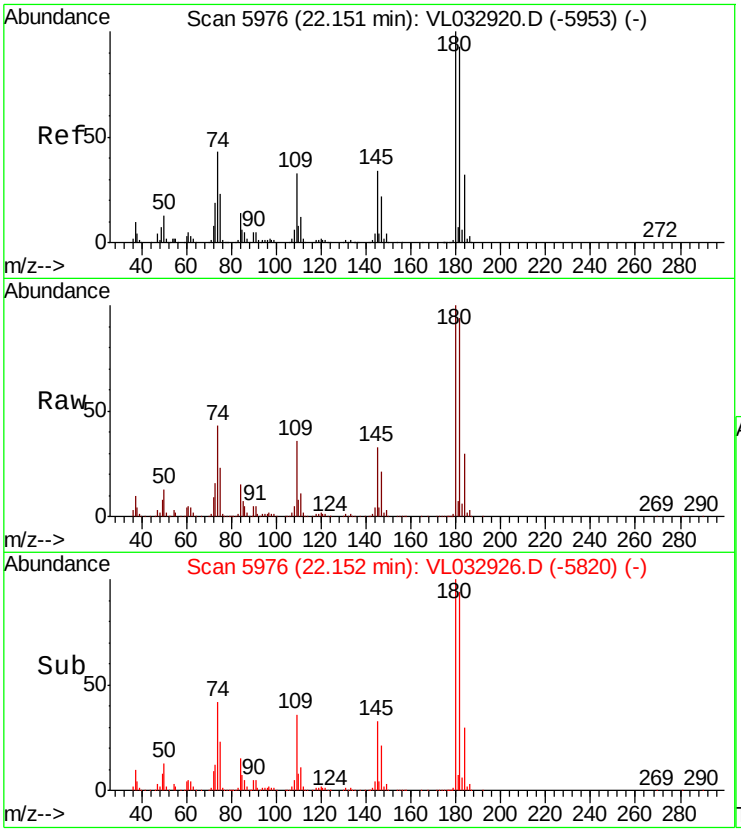


#80
Naphthalene,2-methyl-
Concen: 27.856 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Tgt Ion:142 Resp: 1255361

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.2	102.2
115	43.4	35.1	52.7





#81
1,2,4-Trichlorobenzene
Concen: 17.805 ppbv
RT: 22.15 min Scan# 5976
Delta R.T. 0.00 min
Lab File: VL032926.D
Acq: 7 Dec 2018 7:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2249035

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
184	30.4	24.3	36.5