Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

Quantitation Report (Not Reviewed)

Data File : VL034667.D
Acq On : 25 Feb 2020 11:17
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Feb 25 12:06:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1144694	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2410844	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2582745	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2085314	9.55	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1464003	5.807	ppbv	100
3) Chlorodifluoromethane	2.95	51	1165667	8.427	ppbv	100
4) Chloromethane	3.10	50	774952	9.157	ppbv	100
5) Vinyl Chloride	3.22	62	712135	8.810	ppbv	100
6) Bromomethane	3.44	94	356199	8.472	ppbv	100
7) Chloroethane	3.52	64	260171	8.655	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1537289	7.801	ppbv	100
9) Propene	2.97	41	529954	9.841	ppbv	100
10) Heptane	8.14	43	1476658	10.895	ppbv	100
11) Trichlorofluoromethane	3.92	101	1561968	6.820	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1098658	7.352	ppbv	100
13) Ethanol	3.57	45	133380	9.246	ppbv	99
14) Bromoethene	3.71	108	485629	8.284	ppbv	100
15) Acetone	3.82	43	1264508	7.516	ppbv	99
16) 1,3-Butadiene	3.29	39	637774	9.547	ppbv	100
17) tert-Butyl alcohol	4.27	59	1024086	8.277	ppbv	100
18) 1,1-Dichloroethene	4.26	96	503746	7.986	ppbv	100
19) Isopropyl Alcohol	3.94	45	1002646	10.213	ppbv	99
20) Methylene Chloride	4.32	84	466050	7.275	ppbv	100
21) Allyl Chloride	4.39	41	879719	8.420	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	502223	7.602	ppbv	100
23) Vinyl Acetate	5.06	43	1839710	9.585	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1430512	8.927	ppbv	100
25) Ethyl Acetate	5.67	43	2486304	9.129	ppbv	100
26) Hexane	5.68	57	1120522	9.822	ppbv	100
27) Carbon Disulfide	4.53	76	1348785	8.762	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1642197	8.441	ppbv	100
29) Chloroform	5.75	83	1707877	8.466	ppbv	100
30) Cyclohexane	7.14	84	902391	10.675	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1150193	9.704	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	1590818	7.344	ppbv	100
34) 2-Butanone	5.23	43	1635381	9.342	ppbv	100
35) Carbon Tetrachloride	7.02	117	1682399	7.299	ppbv	100
36) Benzene	6.90	78	2207156	10.295	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1393666	7.791	ppbv	100
38) Trichloroethene	7.85	130	822009	9.096	ppbv	100
39) 1,2-Dichloropropane	7.63	63	885846	9.967	ppbv	100
40) 1,4-Dioxane	7.84	88	349275	10.223	ppbv	100
41) Tetrahydrofuran	6.04	42	916809	10.040	ppbv	100
42) Bromodichloromethane	7.81	83	1855956	8.430	ppbv	100
43) Methyl Methacrylate	8.02	69	916048	10.623	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

Quantitation Report (Not Reviewed)

Data File : VL034667.D
Acq On : 25 Feb 2020 11:17
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Feb 25 12:06:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3832795	9.853	ppbv		100
45) t-1,3-Dichloropropene	9.30	75	1158557	10.261	ppbv		100
46) cis-1,3-Dichloropropene	8.72	75	1327930	10.347	ppbv		100
47) 1,1,2-Trichloroethane	9.50	97	911461	9.469	ppbv		100
48) Dibromochloromethane	10.33	129	1523736	8.638	ppbv		100
49) Bromoform	13.08	173	1342894	8.671	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	2457061	9.843	ppbv		100
51) 2-Hexanone	10.15	43	2057043	10.468	ppbv		100
52) Tetrachloroethene	11.26	164	754609	8.762	ppbv		100
53) Toluene	9.83	91	2512717	10.669	ppbv		100
54) 1,2-Dibromoethane	10.64	107	1319302	9.146	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.16	131	993225	7.789	ppbv		100
57) Chlorobenzene	12.18	112	1864742	8.774	ppbv		100
58) Ethyl Benzene	12.74	91	3350154	9.694	ppbv		100
59) m/p-Xylene	13.03	91	2171014	7.106	ppbv	#	1
60) o-Xylene	13.73	91	2722699	8.874	ppbv		100
61) Styrene	13.56	104	2121916	10.372	ppbv		100
62) Isopropylbenzene	14.71	105	3553660	8.938	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1946172	8.201	ppbv		100
64) n-propylbenzene	15.60	120	934578	9.136	ppbv		100
65) tert-Butylbenzene	16.79	119	3097394	8.599	ppbv		100
66) Benzyl Chloride	17.03	91	1389981	9.203	ppbv		100
67) sec-Butylbenzene	17.34	105	4337554	8.762	ppbv		100
69) p-Isopropyltoluene	17.70	119	3532617	8.788	ppbv		100
70) n-Butylbenzene	18.60	91	3720256	8.719	ppbv		100
71) 2-Chlorotoluene	15.49	91	2789319	9.242	ppbv		100
72) 4-Ethyltoluene	15.88	105	3120431	9.259	ppbv		99
73) 1,3,5-Trimethylbenzene	16.04	105	2967772	9.012	ppbv		100
74) 1,2,4-Trimethylbenzene	16.81	105	2991039	8.204	ppbv		100
75) 1,3-Dichlorobenzene	17.05	146	802496	3.823	ppbv	#	14
76) 1,4-Dichlorobenzene	17.18	146	1701162	8.222	ppbv		100
77) 1,2-Dichlorobenzene	17.87	146	1615525	8.011	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1217052	6.311	ppbv		100
79) Naphthalene	22.27	128	2580409	8.990	ppbv		100
80) Naphthalene,2-methyl-	25.01	142	688162	6.232	ppbv		100
81) 1,2,4-Trichlorobenzene	21.99	180	1433846	8.103	ppbv		100

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

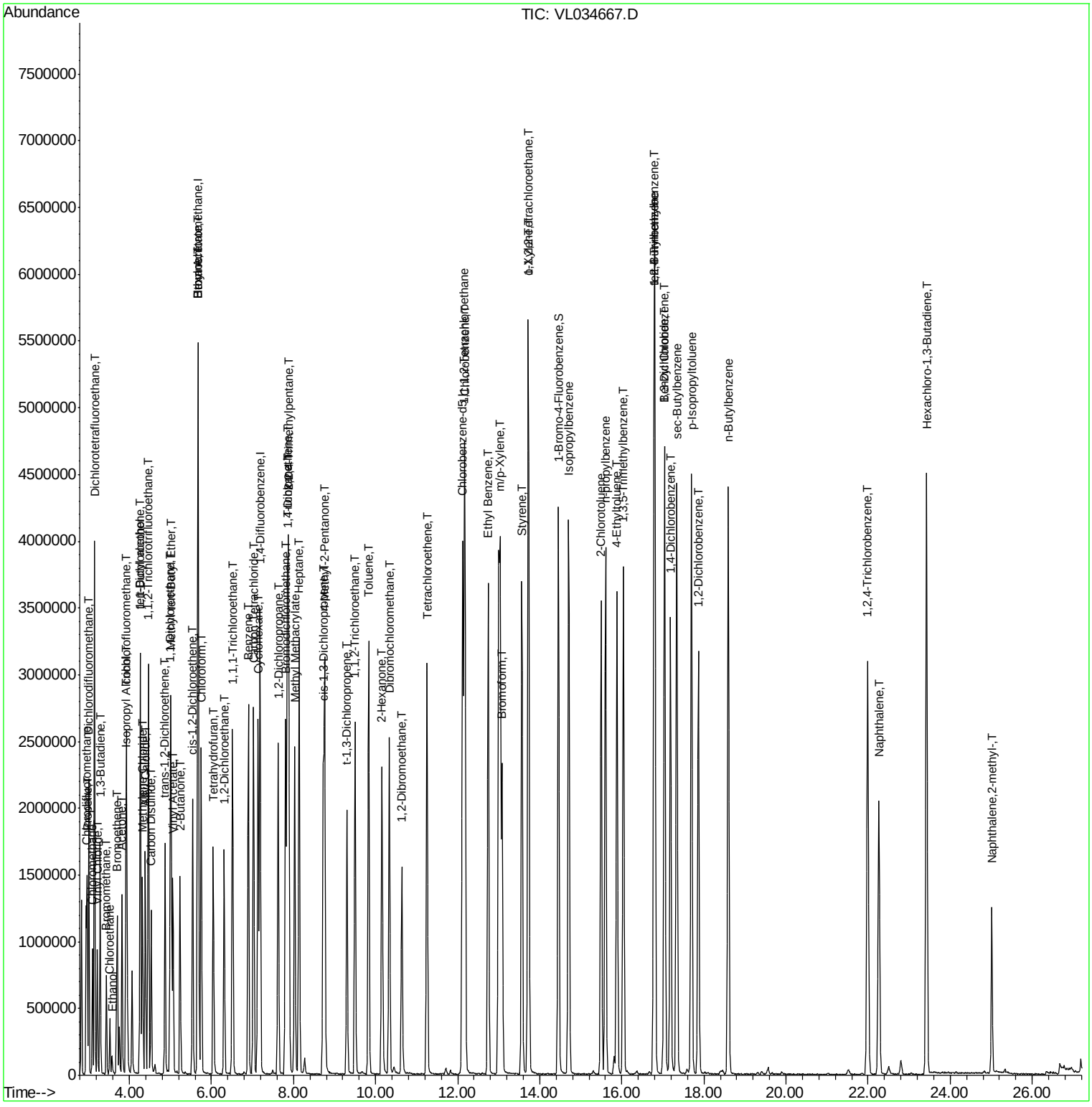
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

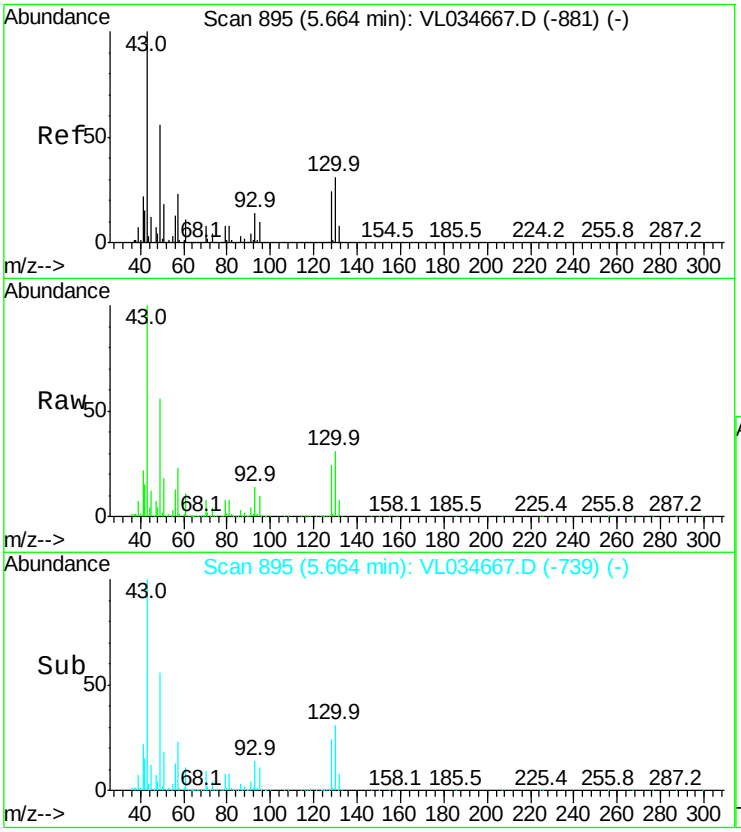
Quantitation Report (Not Reviewed)

Data File : VL034667.D
Acq On : 25 Feb 2020 11:17
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Feb 25 12:06:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration



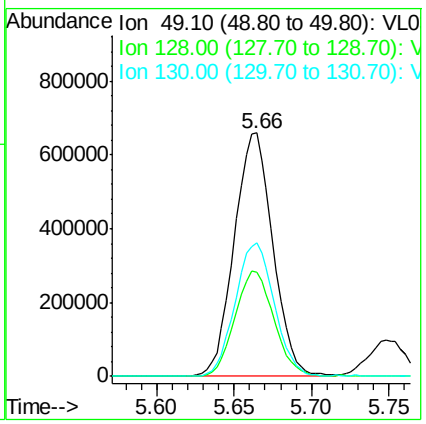


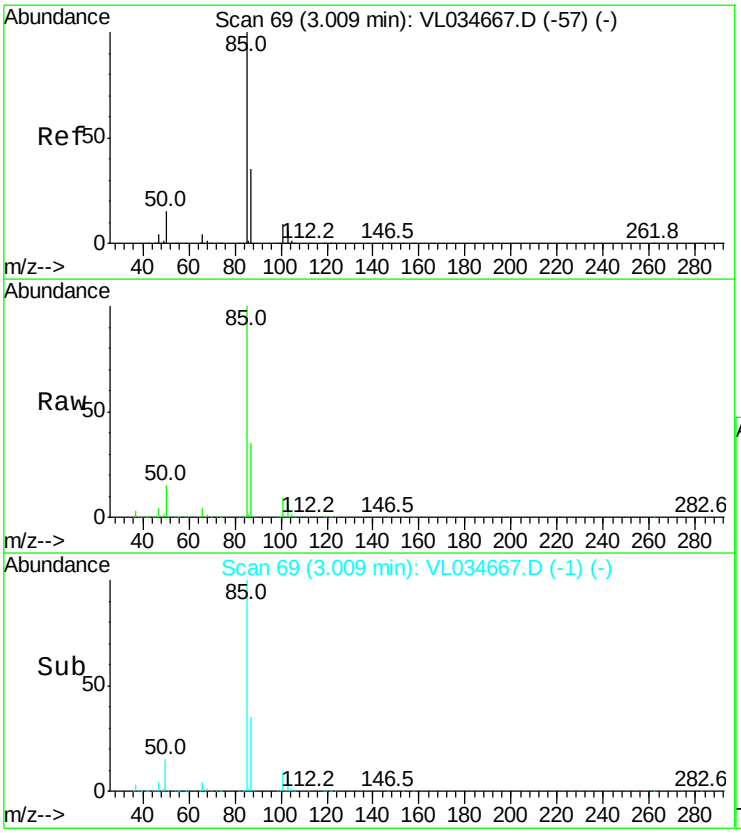
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1144694

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.9	65.5
130	55.7	27.9	83.7

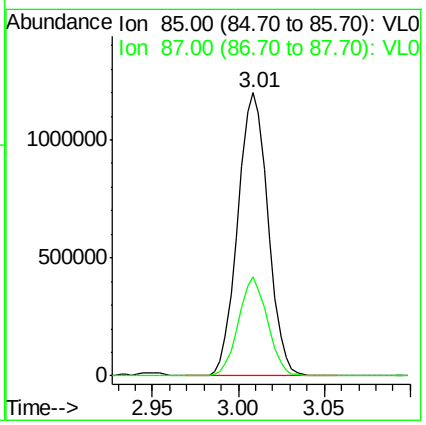


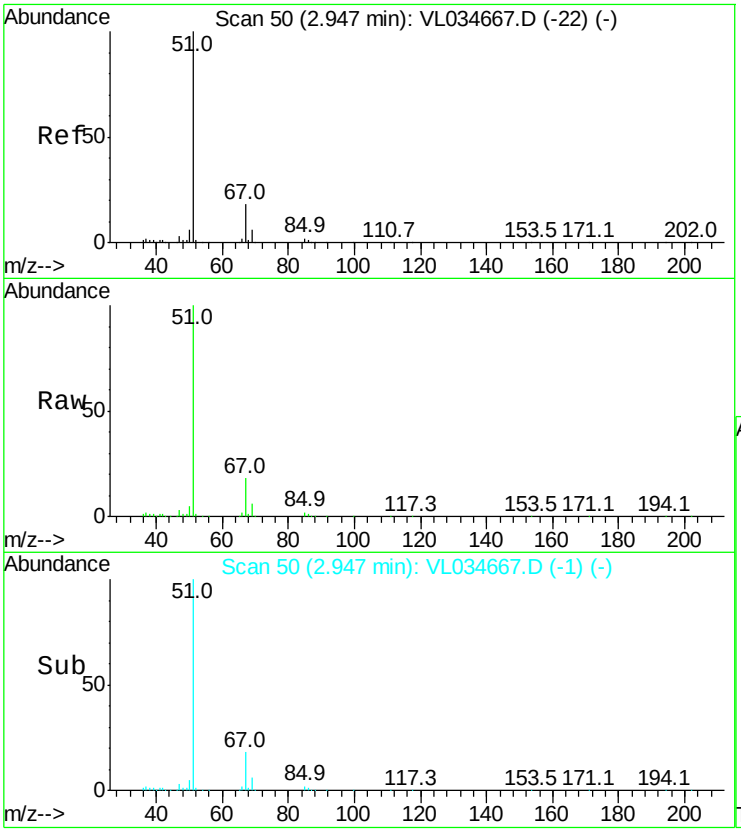


#2
Dichlorodifluoromethane
Concen: 5.807 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 85 Resp: 1464003

Ion	Ratio	Lower	Upper
85	100		
87	34.9	27.9	41.9



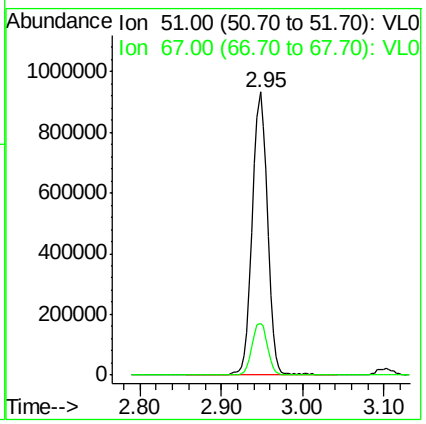


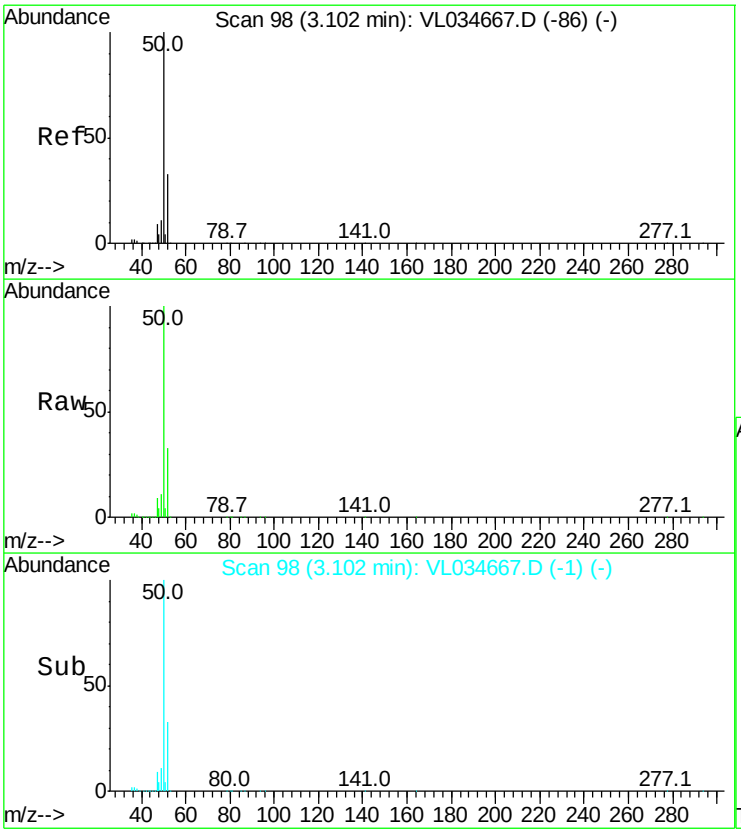
#3
Chlorodifluoromethane
Concen: 8.427 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1165667

Ion	Ratio	Lower	Upper
51	100		
67	18.7	15.0	22.4

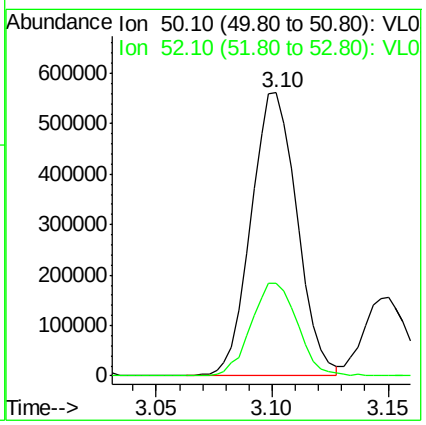


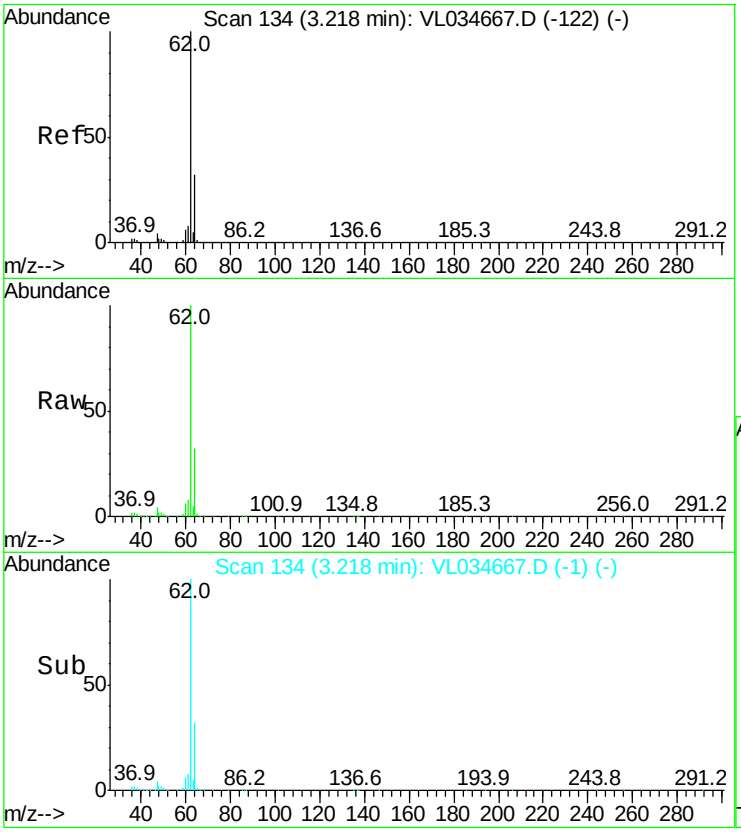


#4
Chloromethane
Concen: 9.157 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 50 Resp: 774952

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4



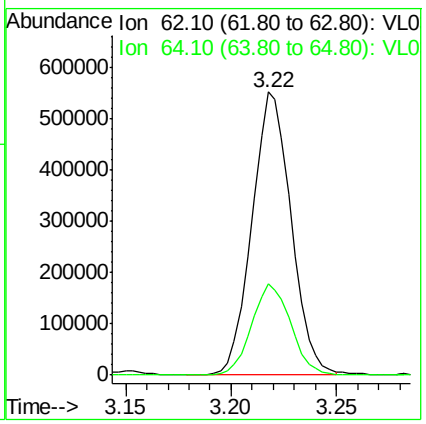


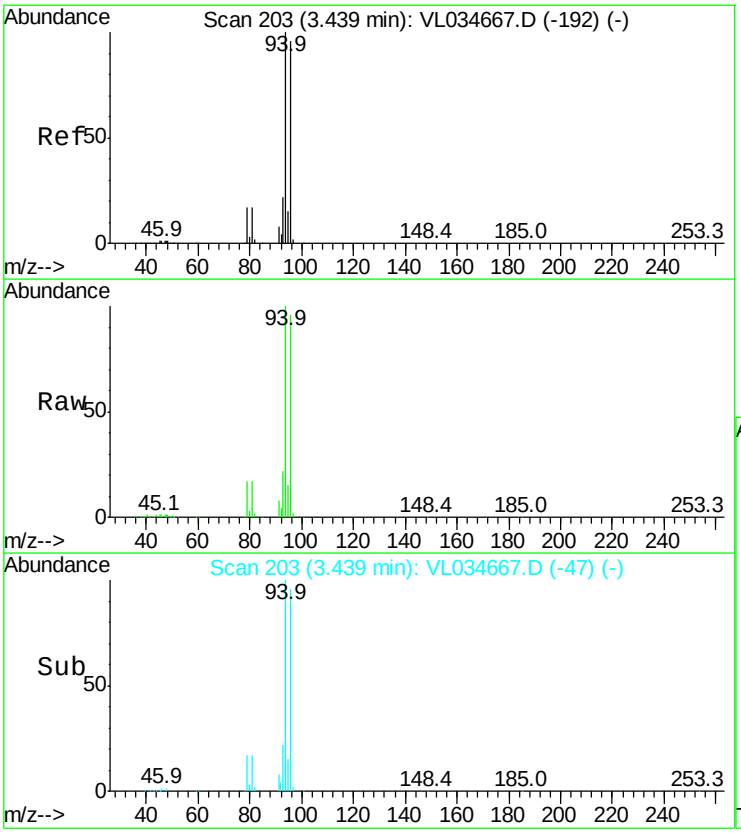
#5
Vinyl Chloride
Concen: 8.810 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 712135

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.7	38.5

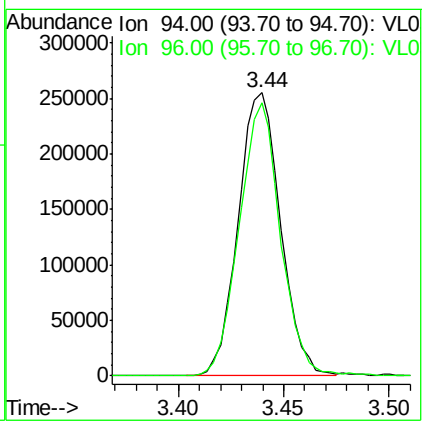


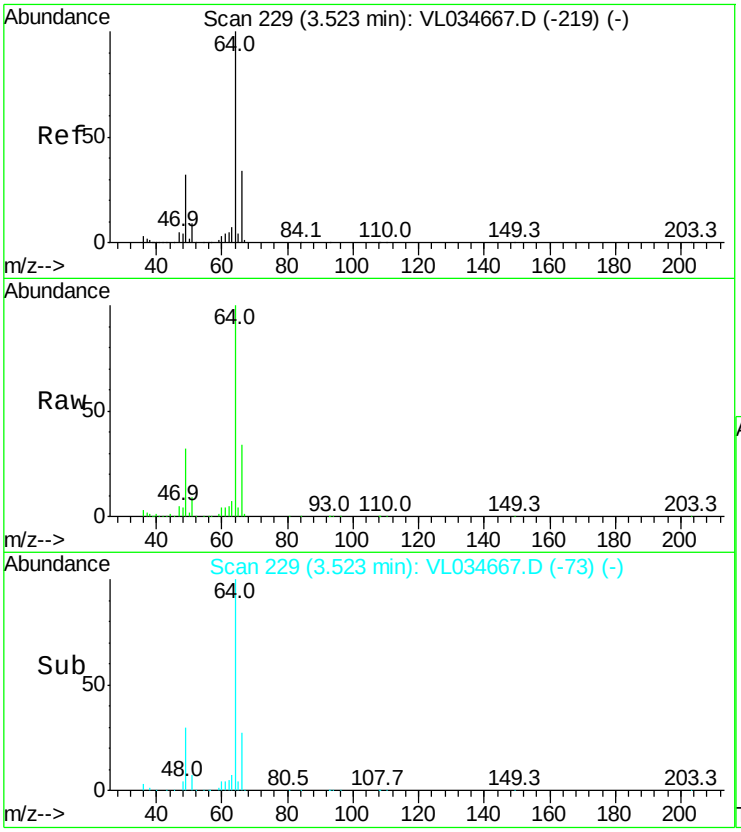


#6
Bromomethane
Concen: 8.472 ppbv
RT: 3.44 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 94 Resp: 356199

Ion	Ratio	Lower	Upper
94	100		
96	96.2	77.0	115.4



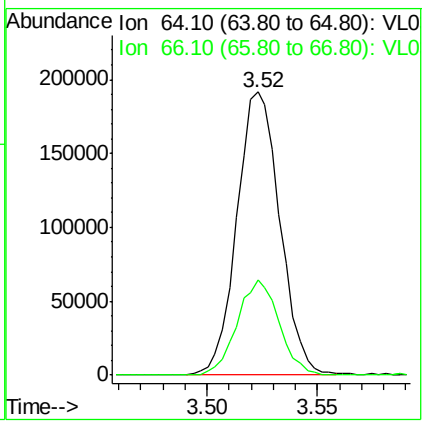


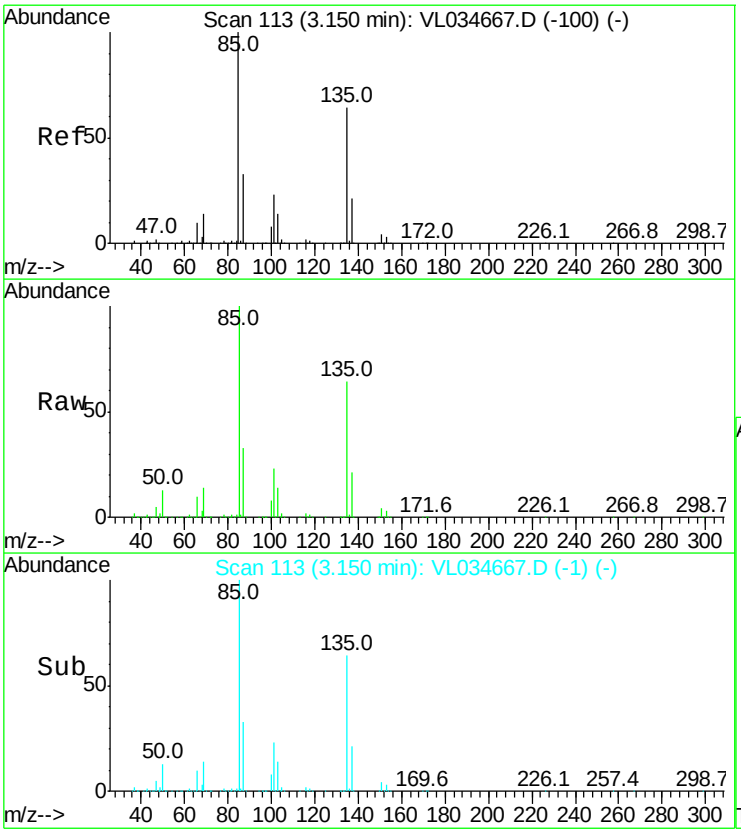
#7
Chloroethane
Concen: 8.655 ppbv
RT: 3.52 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 260171

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.9	40.3

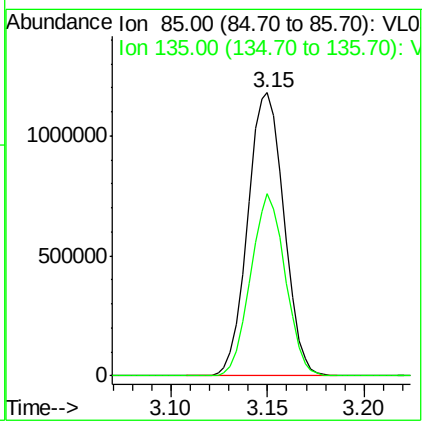


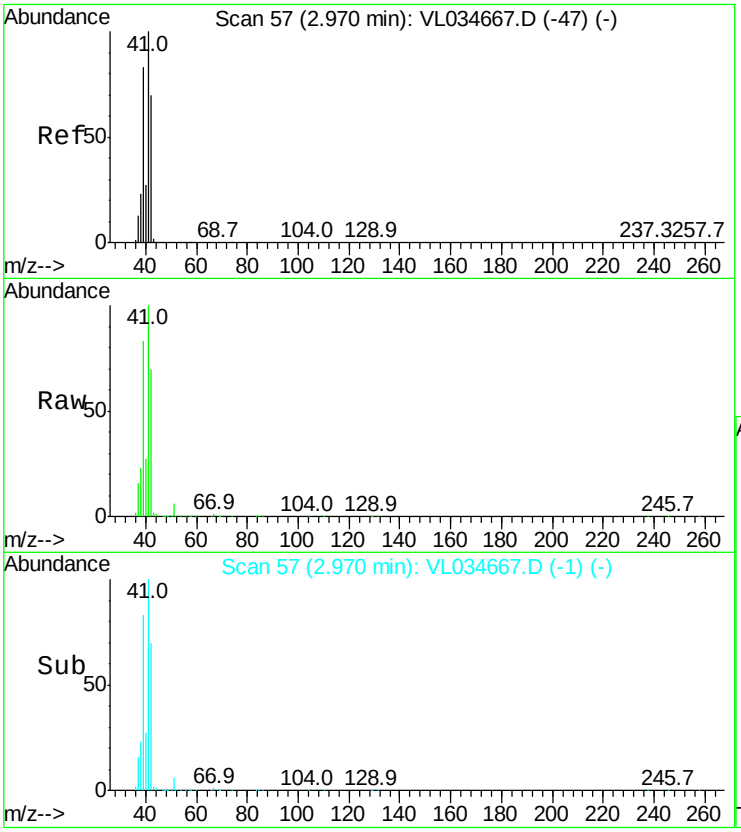


#8
Dichlorotetrafluoroethane
Concen: 7.801 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 85 Resp: 1537289

Ion	Ratio	Lower	Upper
85	100		
135	61.6	49.3	73.9



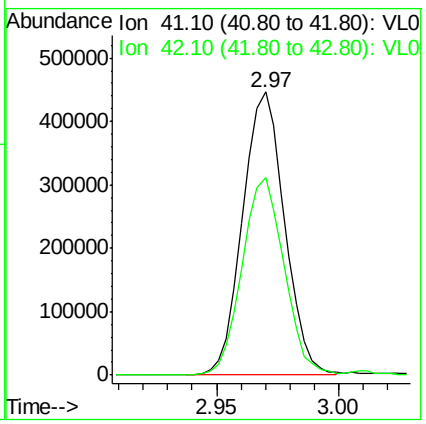


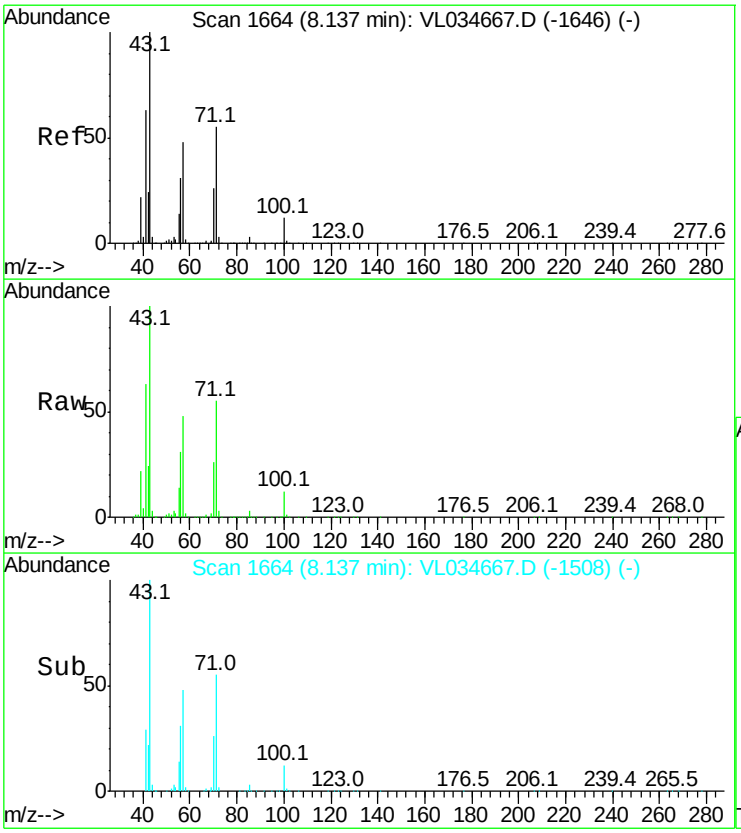
#9
Propene
Concen: 9.841 ppbv
RT: 2.97 min Scan# 57
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 529954

Ion	Ratio	Lower	Upper
41	100		
42	71.2	57.0	85.4

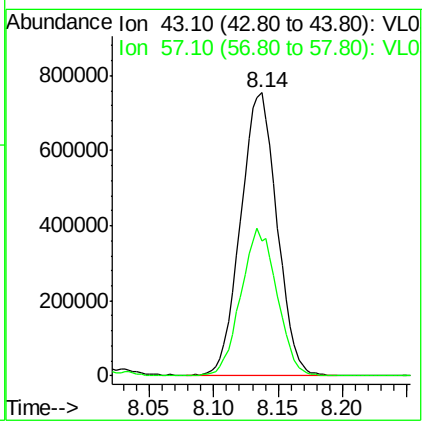


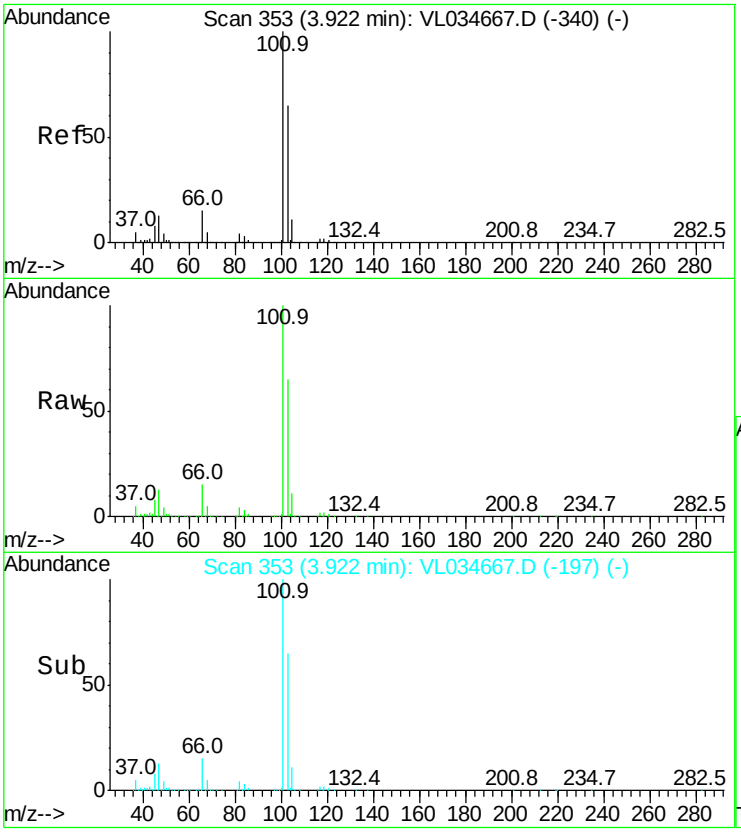


#10
Heptane
Concen: 10.895 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 43 Resp: 1476658

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.7	62.5



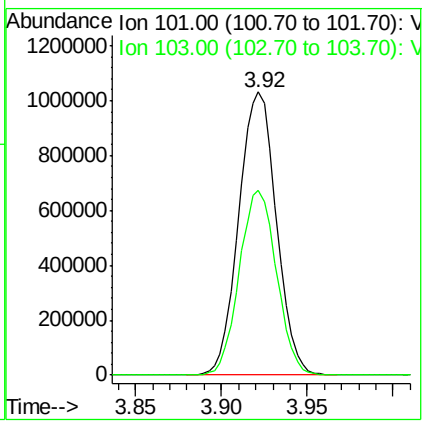


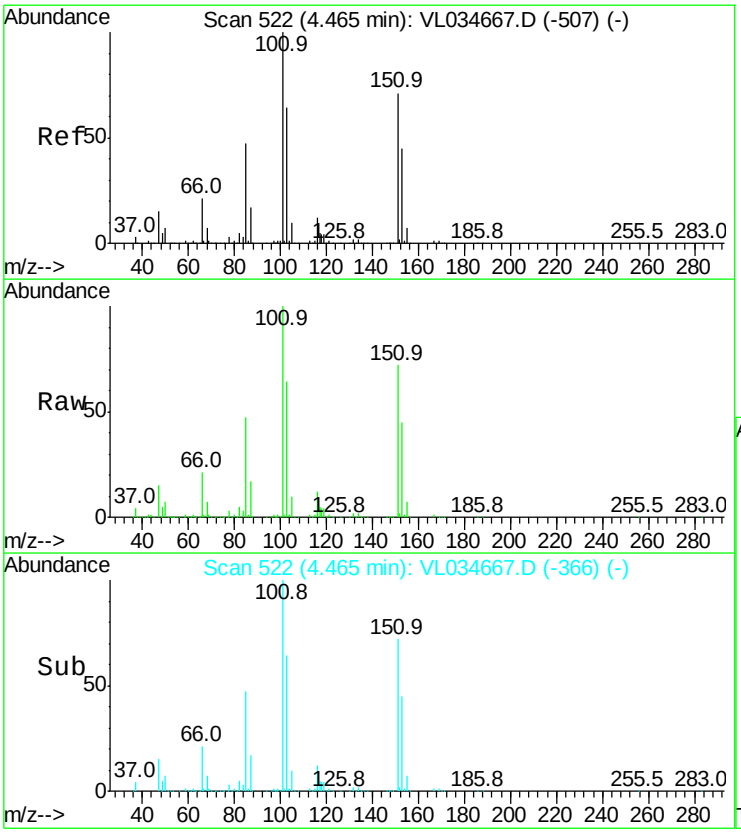
#11
Trichlorofluoromethane
Concen: 6.820 ppbv
RT: 3.92 min Scan# 353
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1561968

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

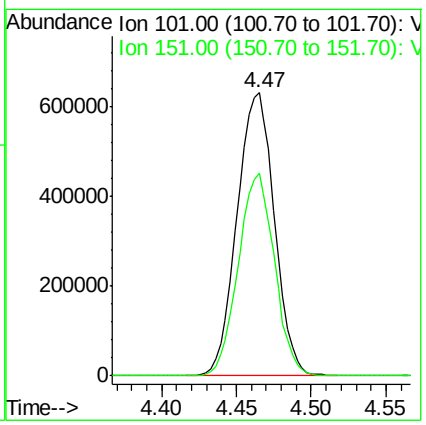


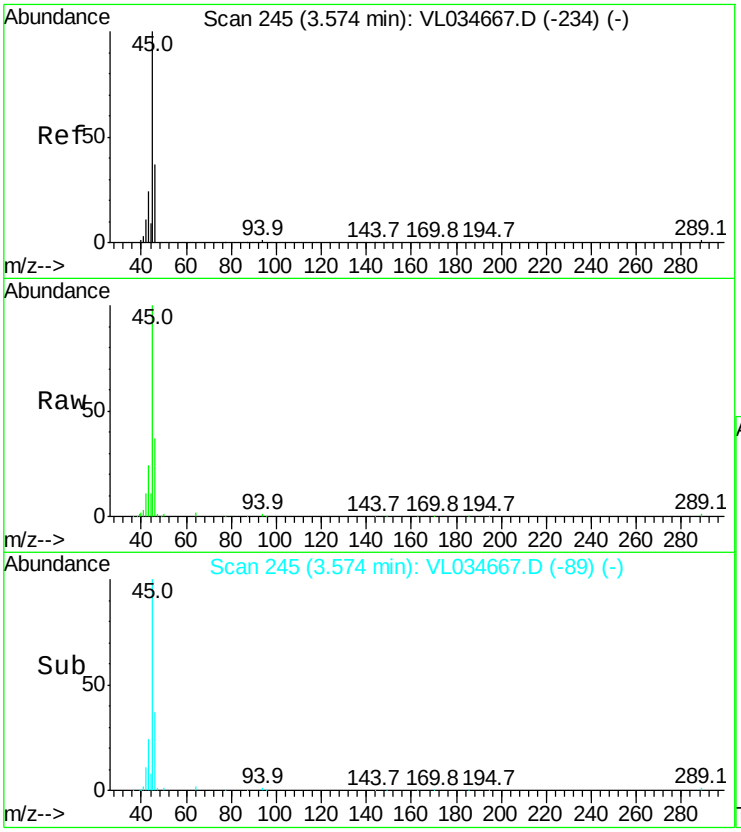


#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.352 ppbv
RT: 4.47 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:101 Resp: 1098658

Ion	Ratio	Lower	Upper
101	100		
151	69.4	55.5	83.3



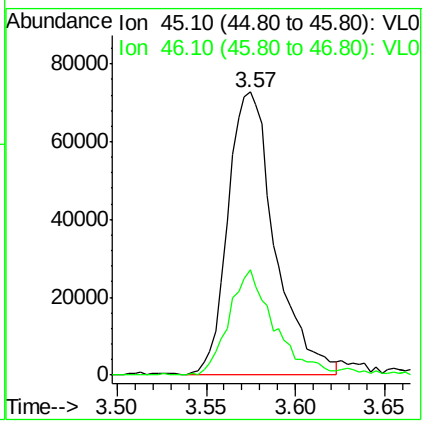


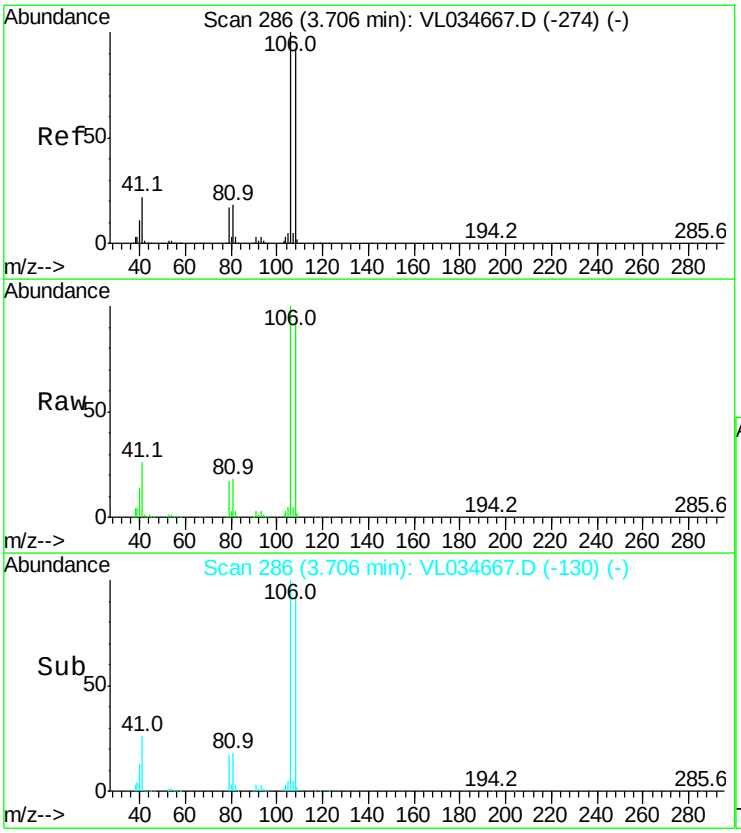
#13
Ethanol
Concen: 9.246 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 133380

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.1	60.5

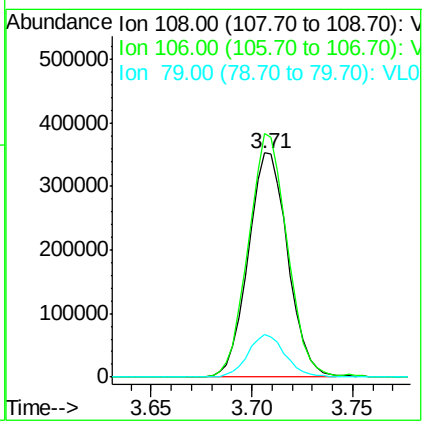


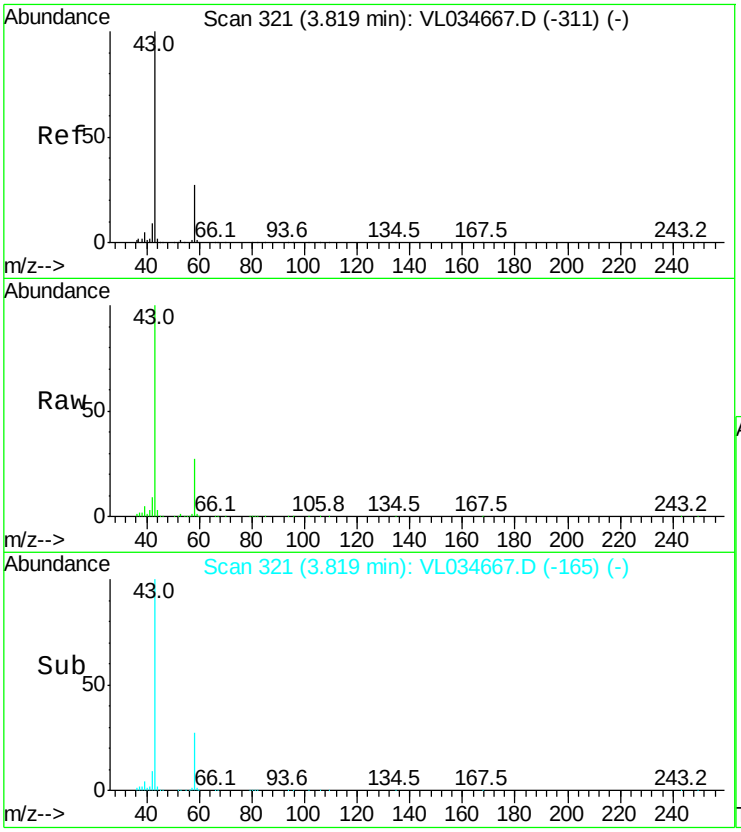


#14
Bromoethene
Concen: 8.284 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:108 Resp: 485629

Ion	Ratio	Lower	Upper
108	100		
106	107.7	86.4	129.6
79	18.4	14.6	22.0



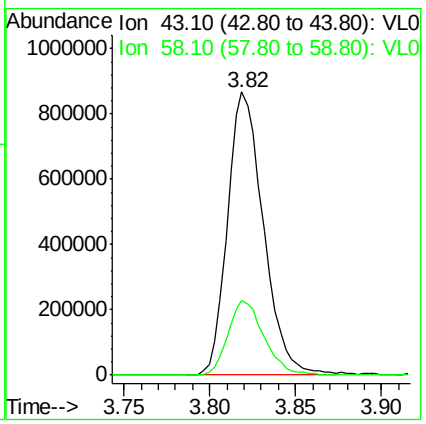


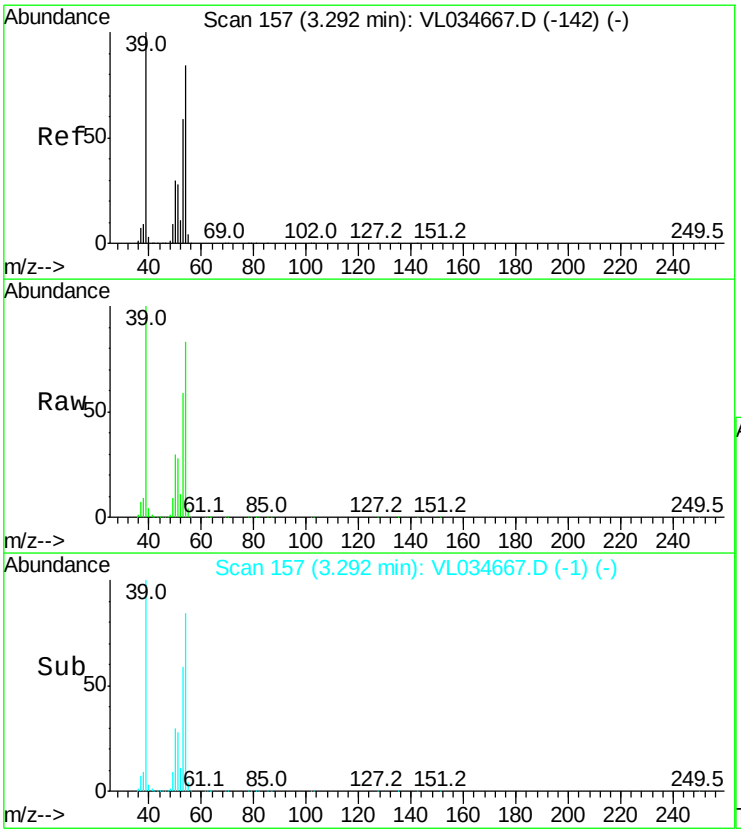
#15
Acetone
Concen: 7.516 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1264508

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.4	32.0

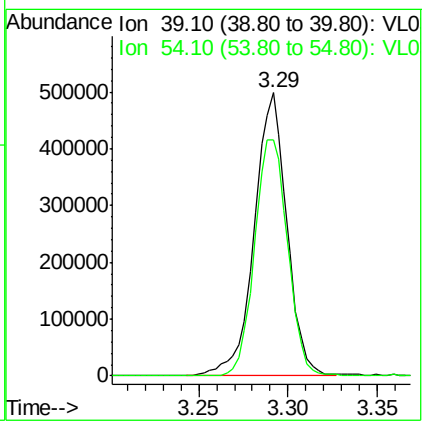


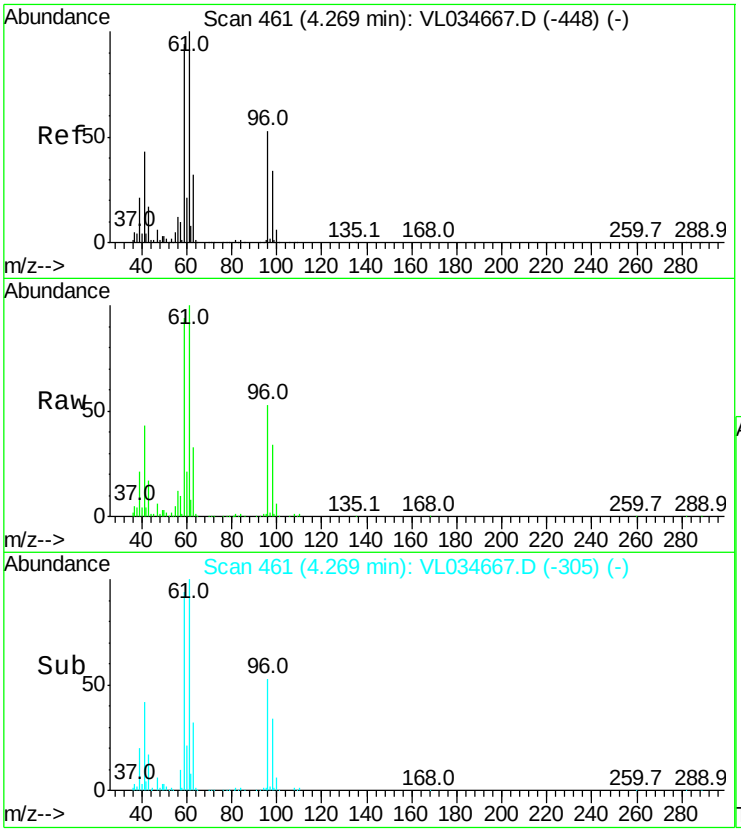


#16
1,3-Butadiene
Concen: 9.547 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 39 Resp: 637774

Ion	Ratio	Lower	Upper
39	100		
54	85.1	68.2	102.2



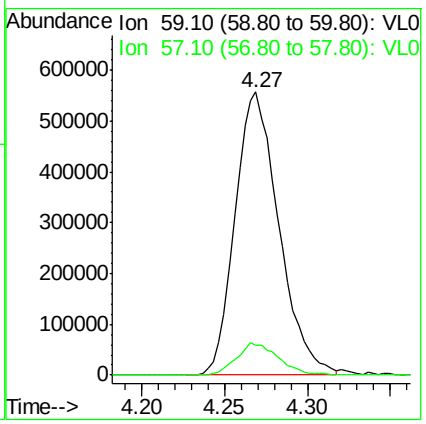


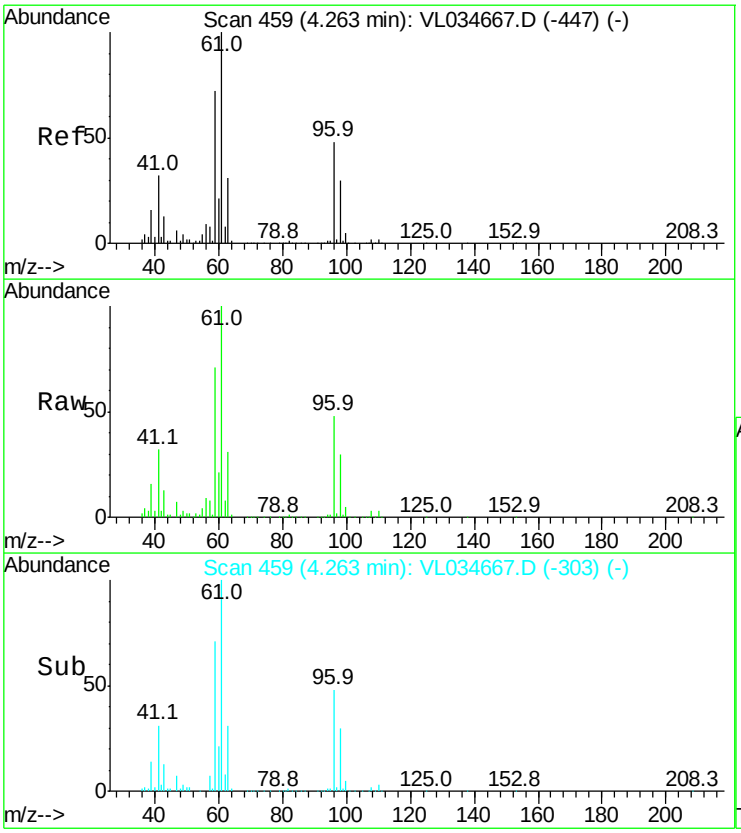
#17
tert-Butyl alcohol
Concen: 8.277 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1024086

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

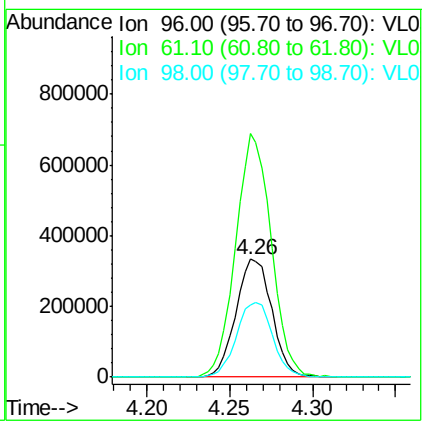


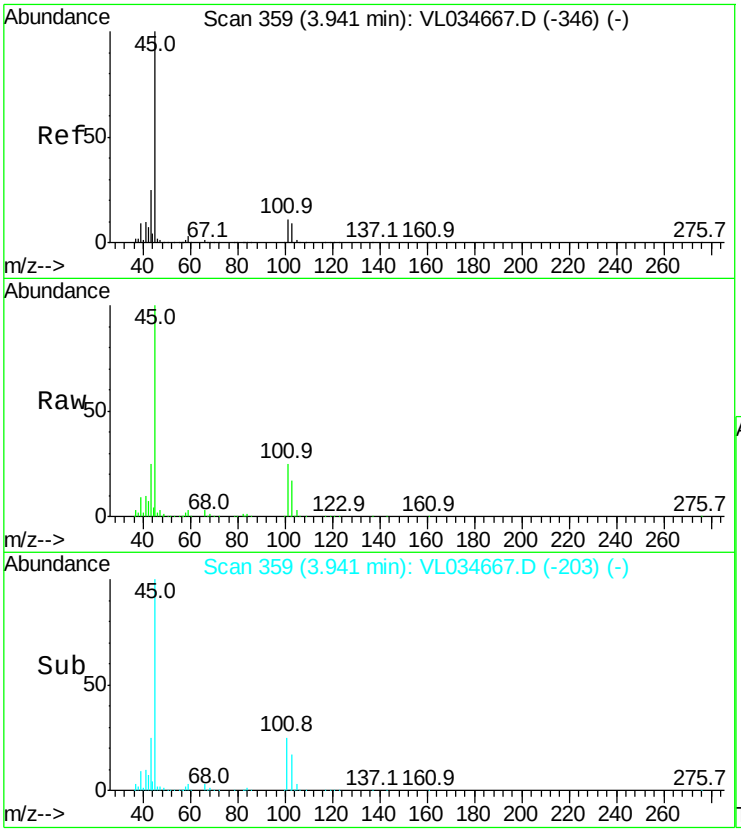


#18
1,1-Dichloroethene
Concen: 7.986 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 96 Resp: 503746

Ion	Ratio	Lower	Upper
96	100		
61	206.6	165.3	247.9
98	61.1	48.9	73.3



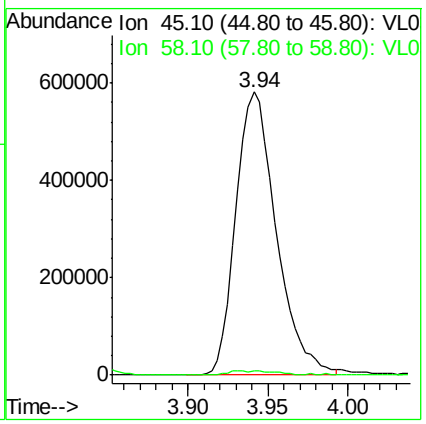


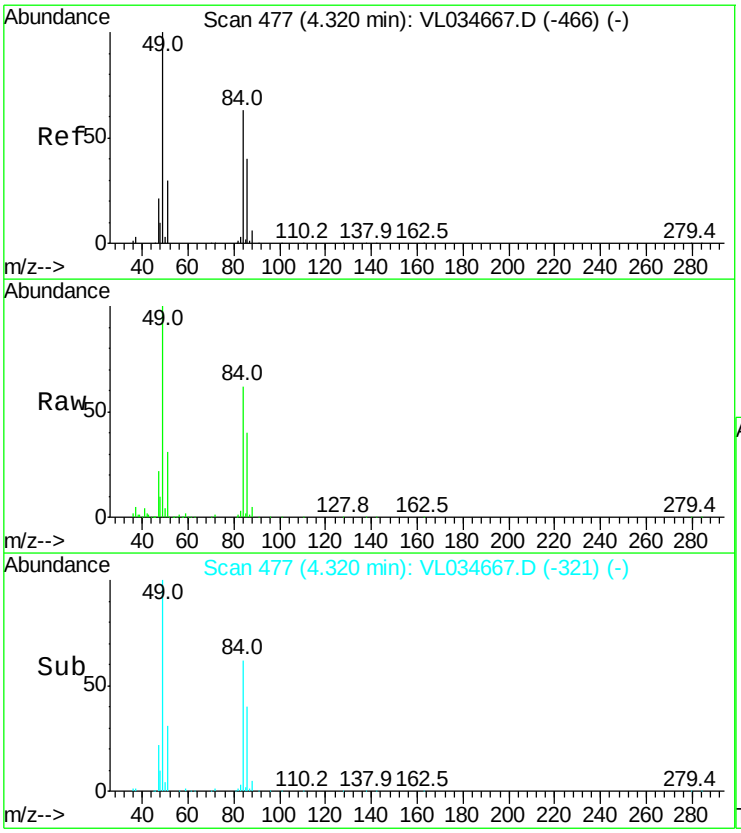
#19
Isopropyl Alcohol
Concen: 10.213 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 1002646

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.8	2.8

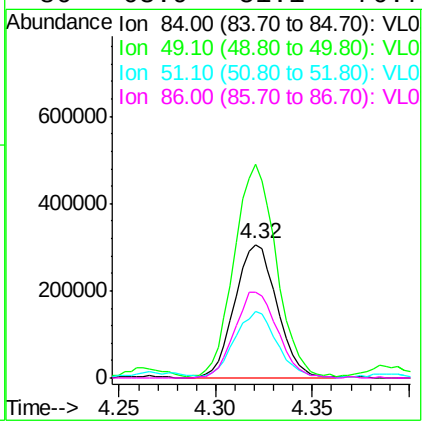


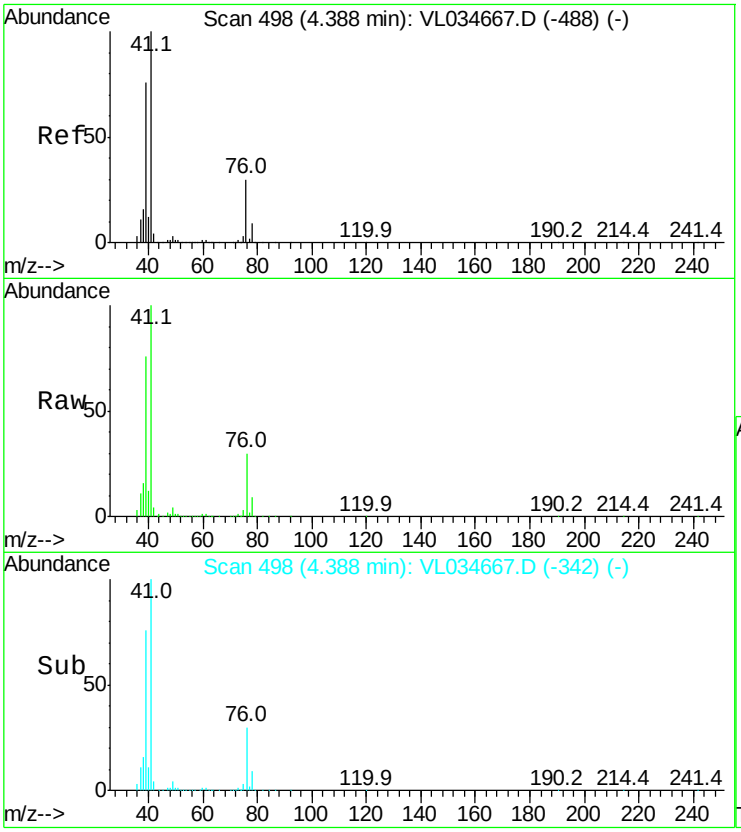


#20
Methylene Chloride
Concen: 7.275 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 84 Resp: 466050

Ion	Ratio	Lower	Upper
84	100		
49	159.5	127.6	191.4
51	49.6	39.7	59.5
86	63.9	51.1	76.7



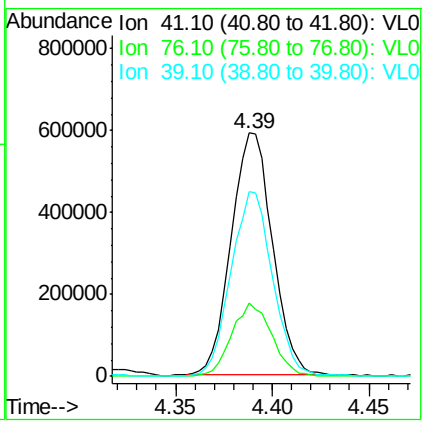


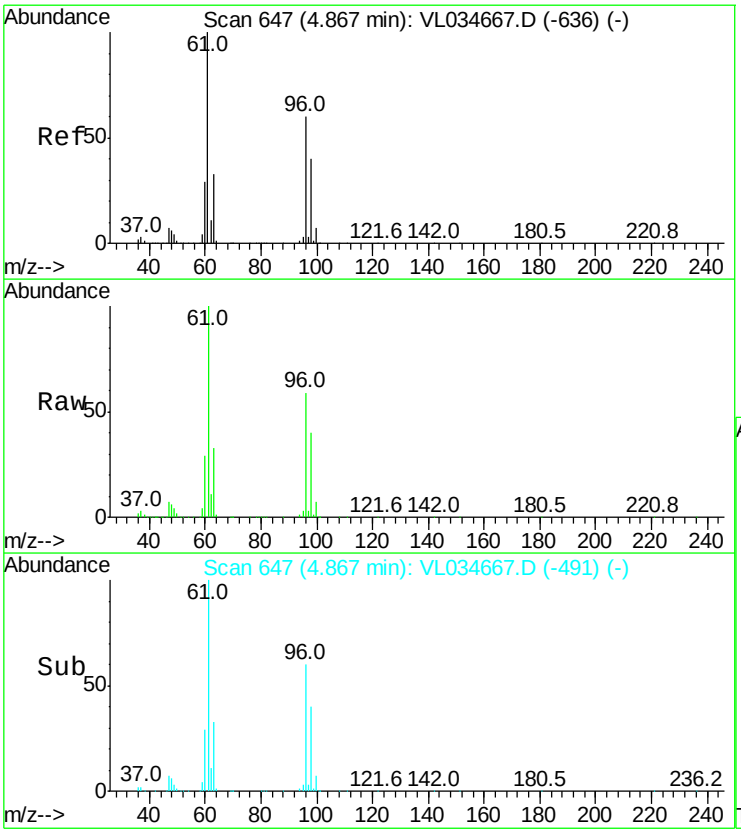
#21
Allyl Chloride
Concen: 8.420 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 879719

Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.6	35.4
39	76.5	61.6	92.4

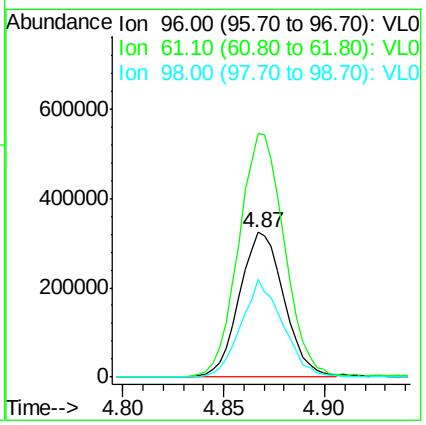


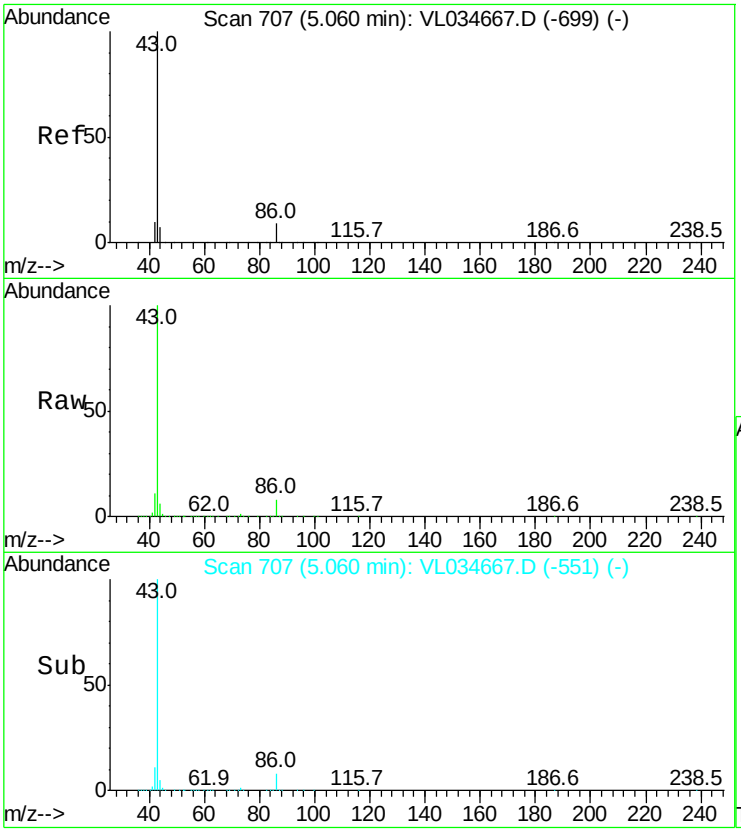


#22
trans-1,2-Dichloroethene
Concen: 7.602 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 96 Resp: 502223

Ion	Ratio	Lower	Upper
96	100		
61	167.9	134.3	201.5
98	67.3	53.8	80.8



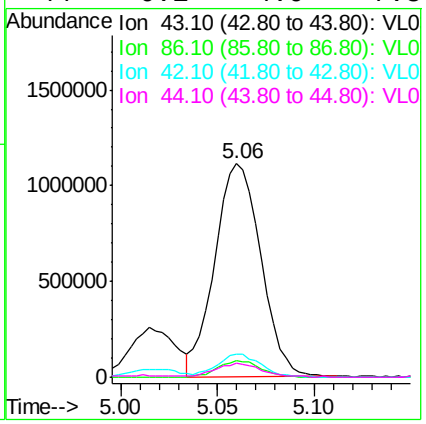


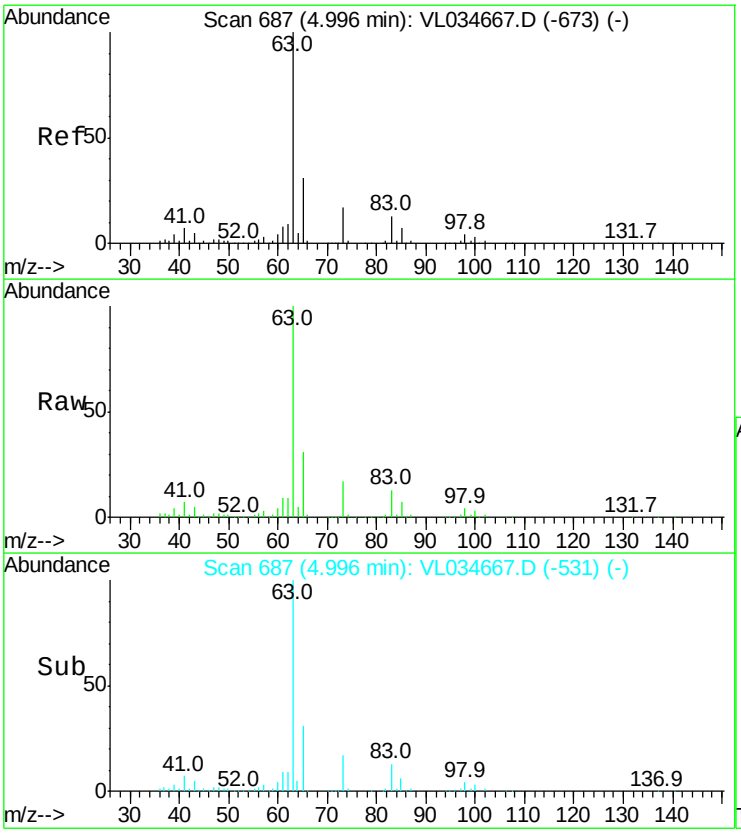
#23
Vinyl Acetate
Concen: 9.585 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1839710

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.3	9.5
42	10.7	8.6	12.8
44	6.1	4.9	7.3

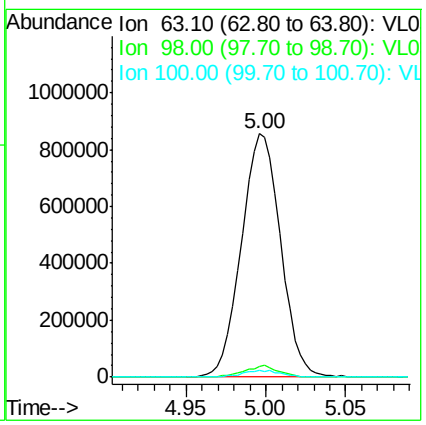


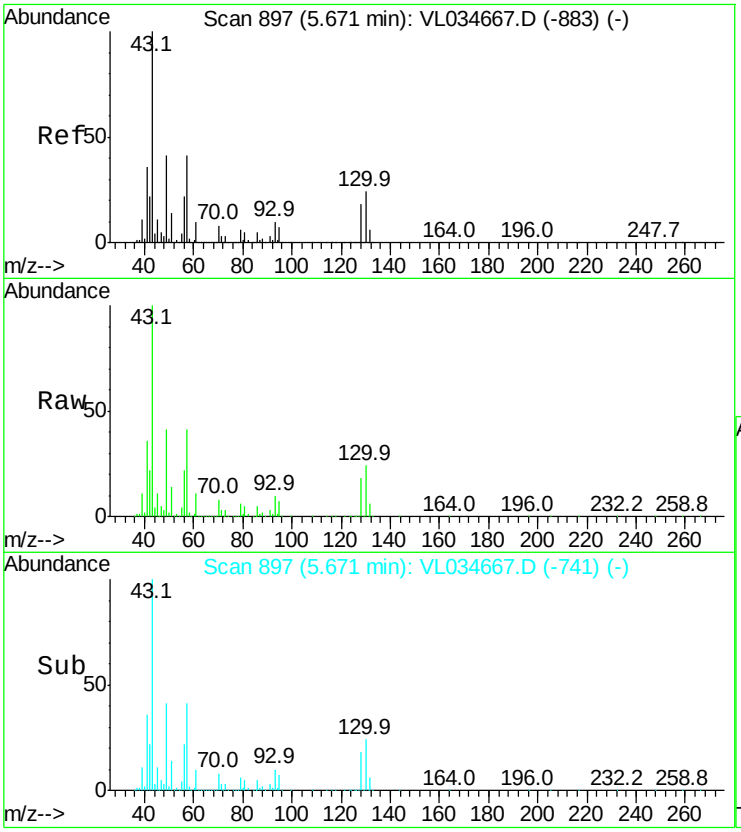


#24
1,1-Dichloroethane
Concen: 8.927 ppbv
RT: 5.00 min Scan# 687
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 63 Resp: 1430512

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.8	1.4	4.2



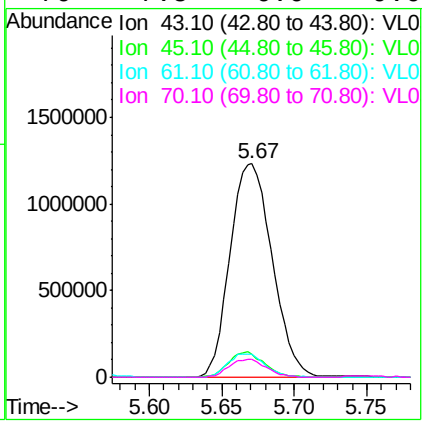


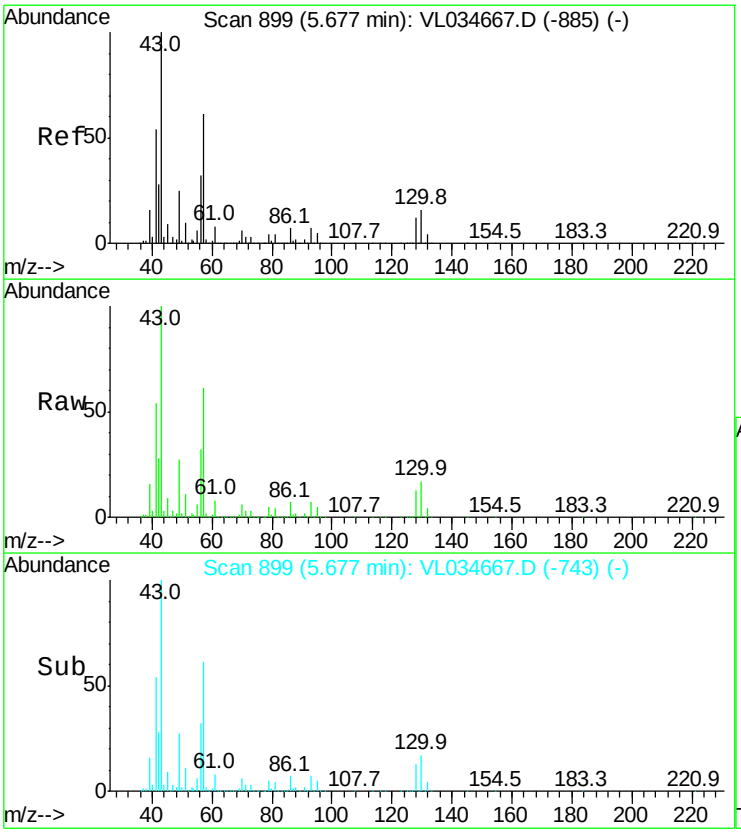
#25
Ethyl Acetate
Concen: 9.129 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2486304

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.7	7.8	11.6
70	7.5	6.0	9.0

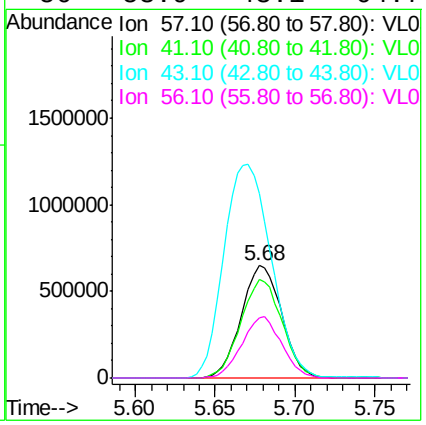


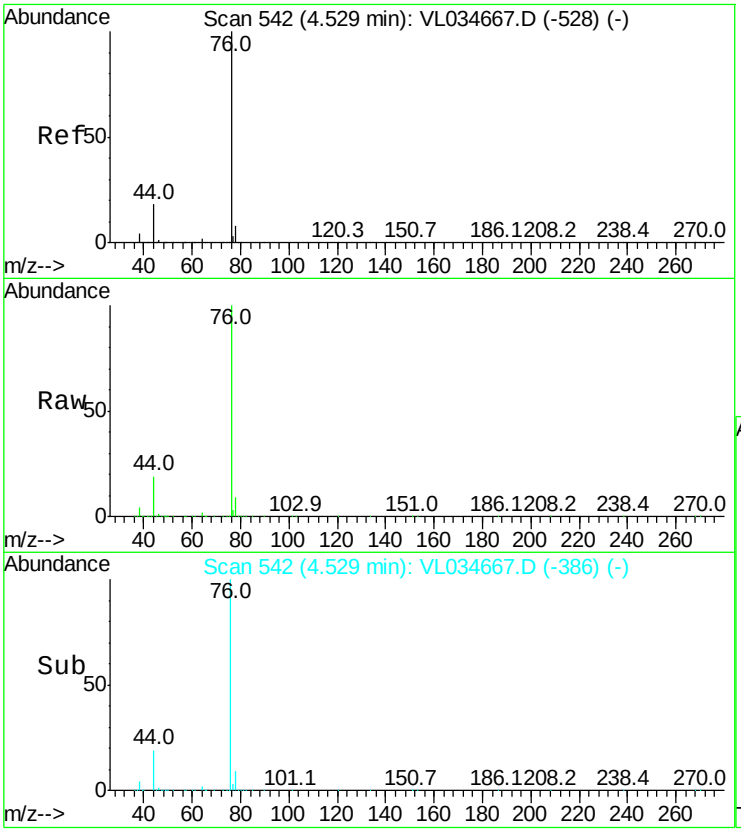


#26
Hexane
Concen: 9.822 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 57 Resp: 1120522

Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.0	108.0
43	223.4	178.7	268.1
56	53.9	43.1	64.7



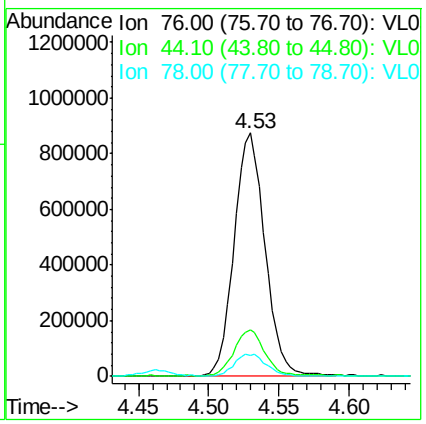


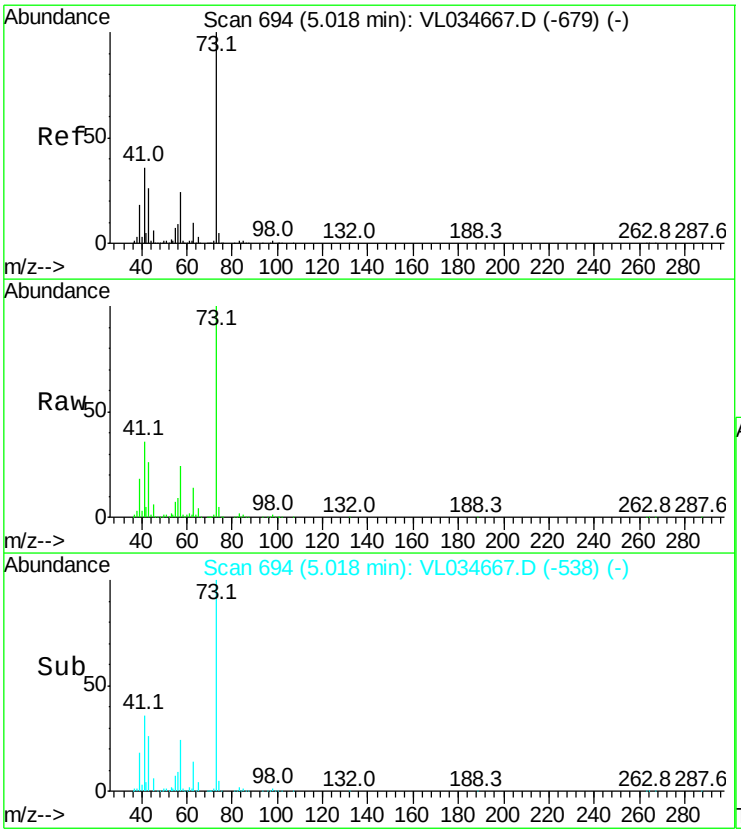
#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1348785

Ion	Ratio	Lower	Upper
76	100		
44	19.4	15.0	22.4
78	9.4	7.7	11.5

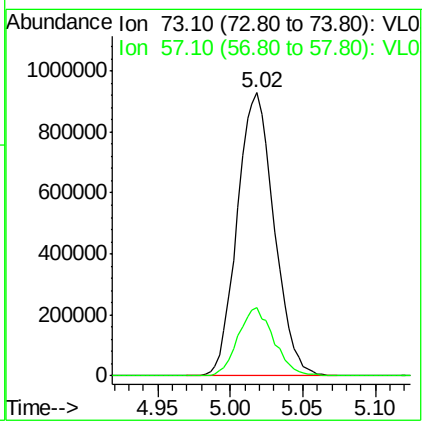


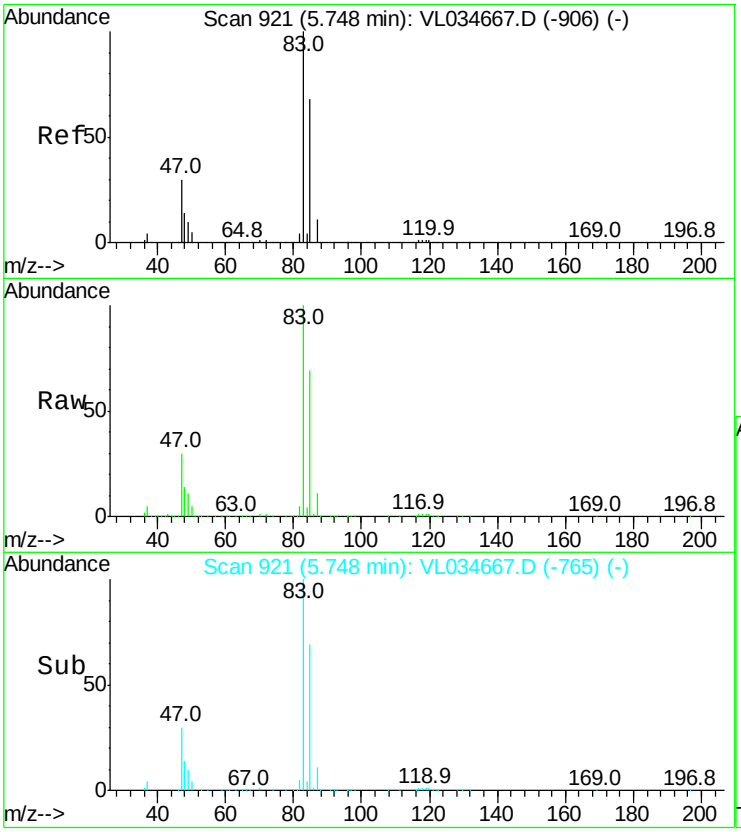


#28
Methyl tert-Butyl Ether
Concen: 8.441 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 73 Resp: 1642197

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.7	28.1



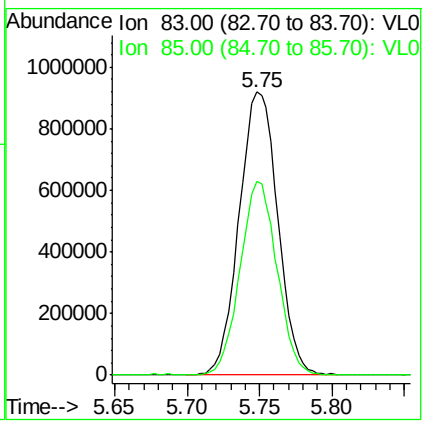


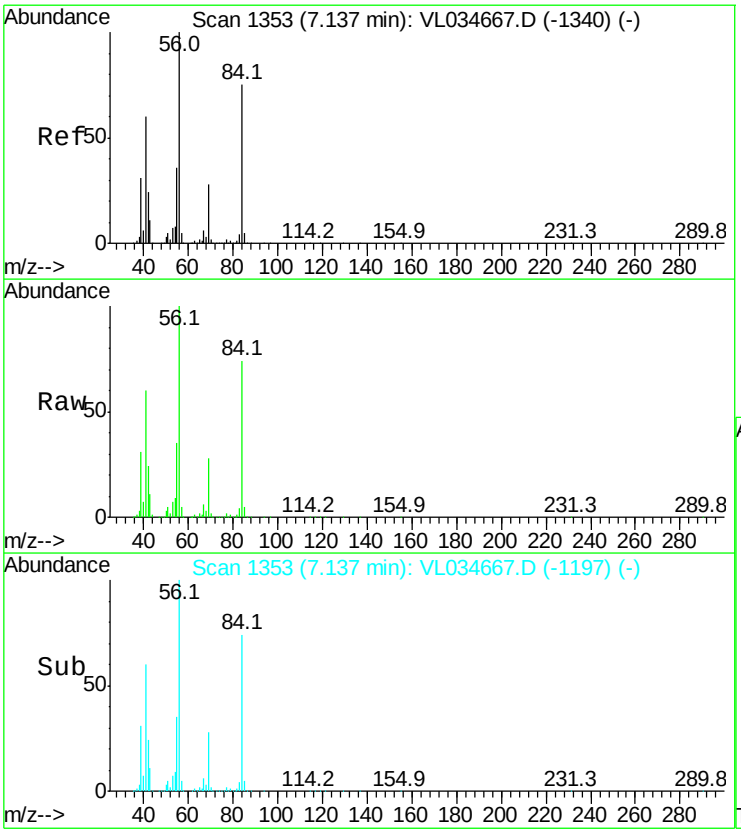
#29
Chloroform
Concen: 8.466 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1707877

Ion	Ratio	Lower	Upper
83	100		
85	68.4	54.7	82.1

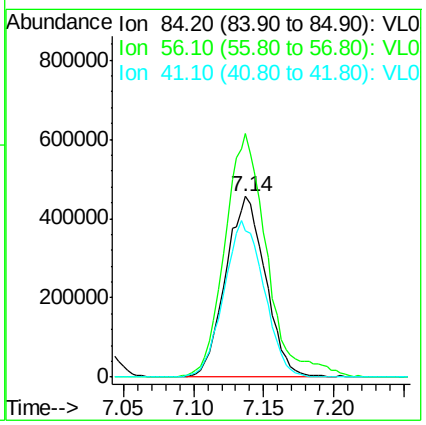


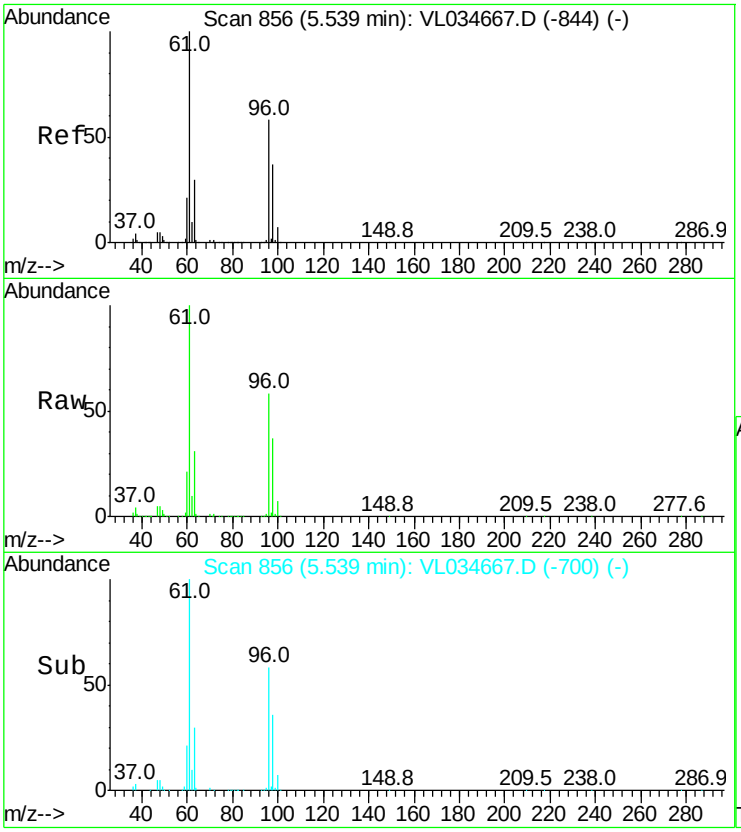


#30
Cyclohexane
Concen: 10.675 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 84 Resp: 902391

Ion	Ratio	Lower	Upper
84	100		
56	141.8	113.4	170.2
41	86.9	69.5	104.3



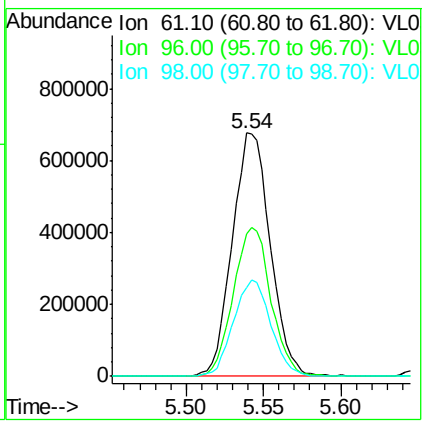


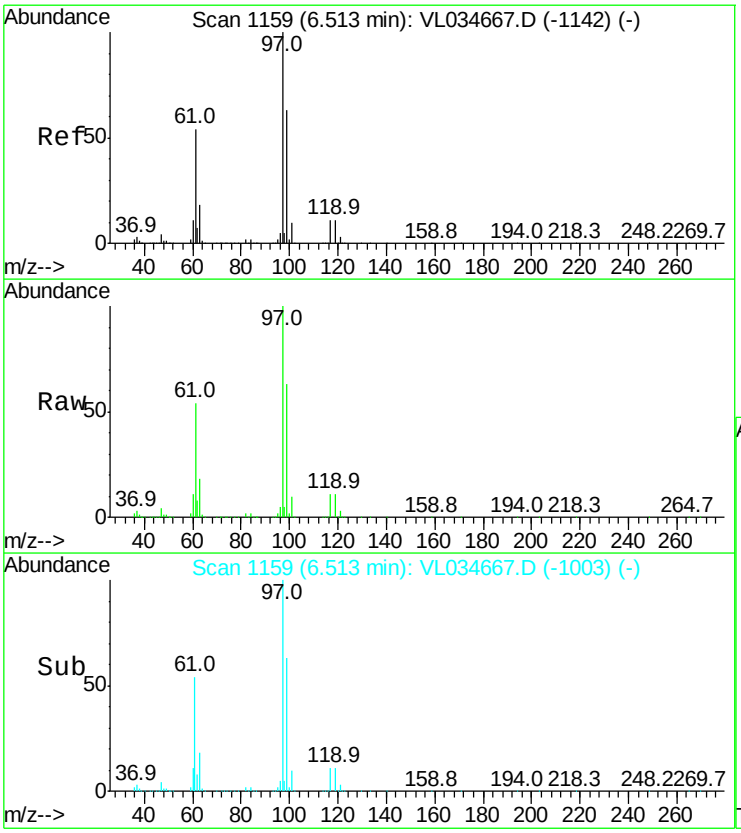
#31
cis-1,2-Dichloroethene
Concen: 9.704 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1150193

Ion	Ratio	Lower	Upper
61	100		
96	58.2	46.6	69.8
98	36.6	29.3	43.9

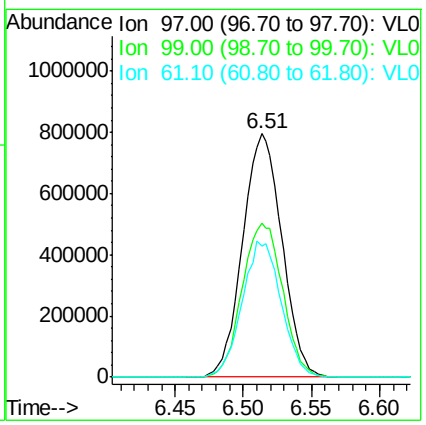


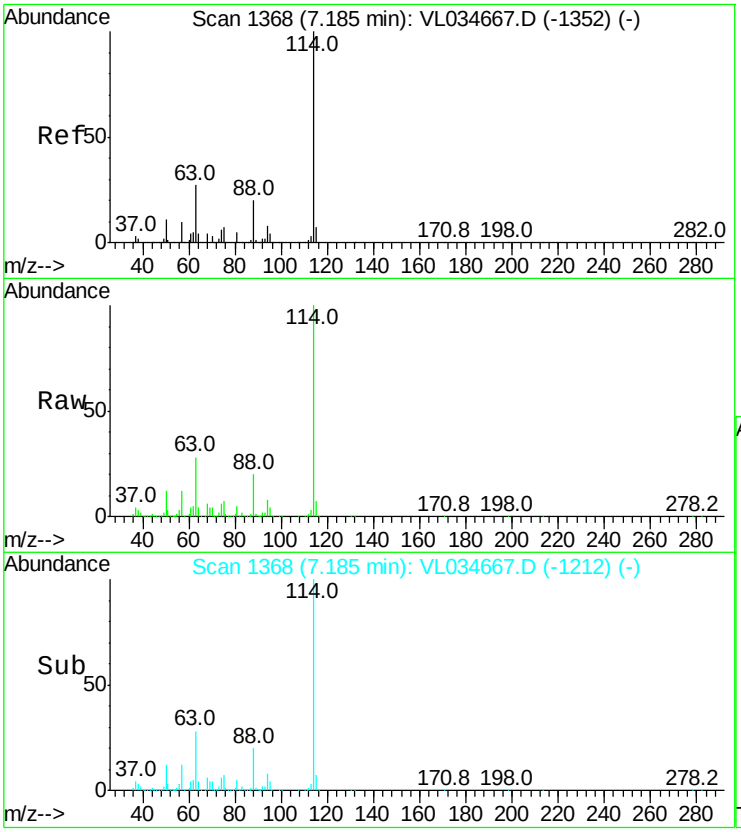


#32
1,1,1-Trichloroethane
Concen: 7.344 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 97 Resp: 1590818

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	55.6	44.5	66.7



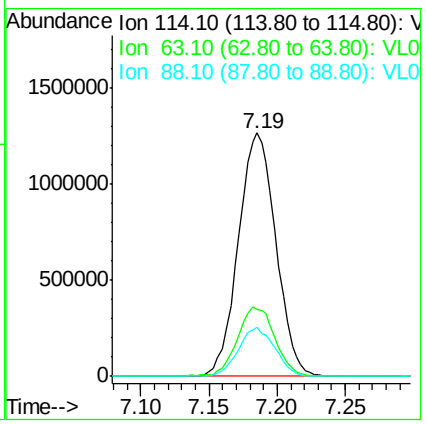


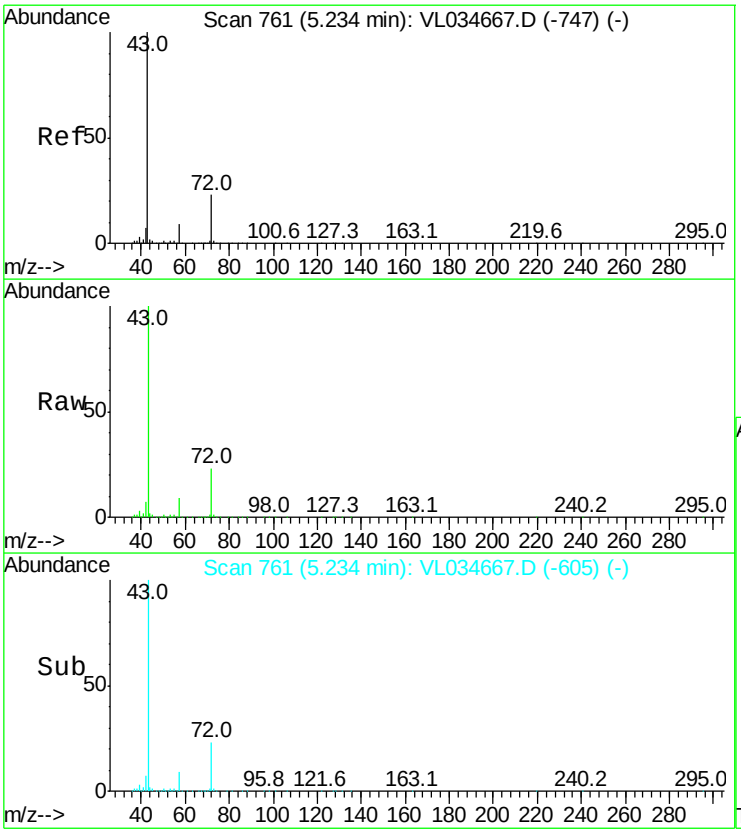
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2410844

Ion	Ratio	Lower	Upper
114	100		
63	28.9	23.1	34.7
88	19.5	15.6	23.4

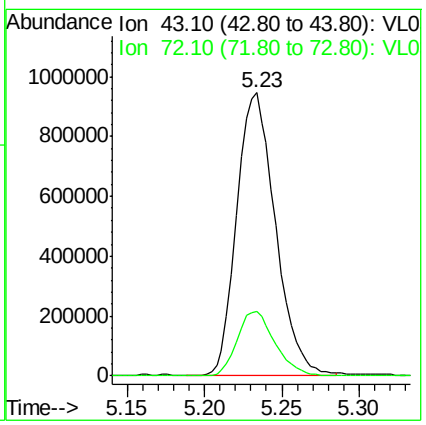


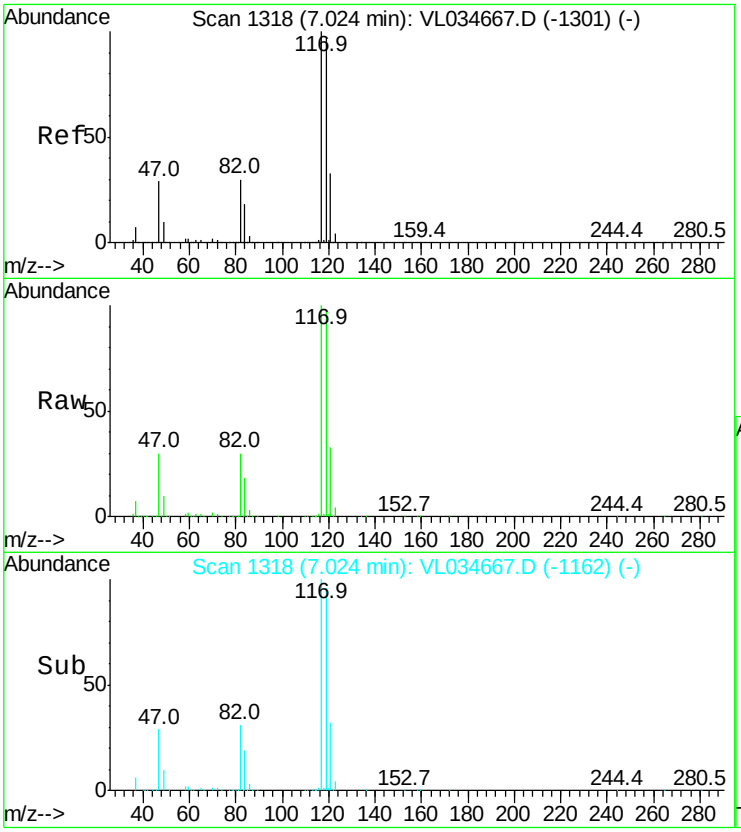


#34
2-Butanone
Concen: 9.342 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 43 Resp: 1635381

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.8



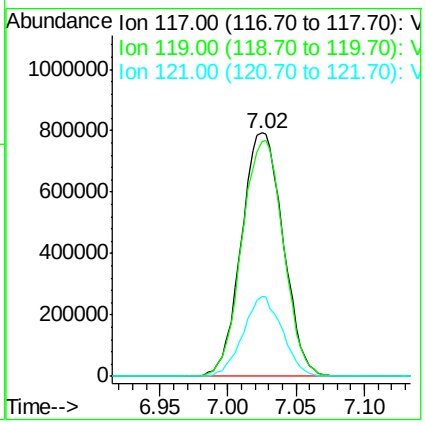


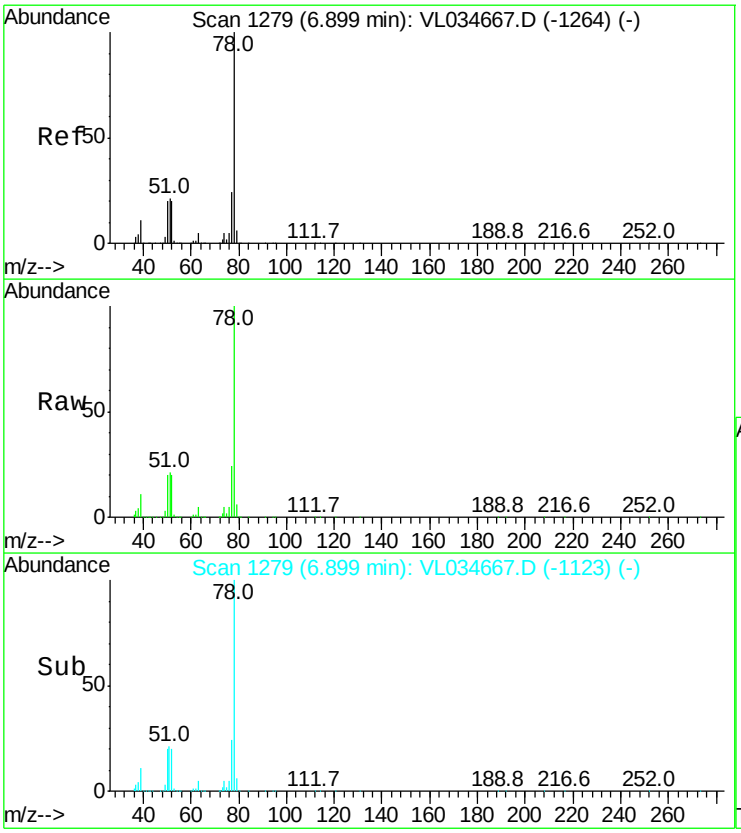
#35
Carbon Tetrachloride
Concen: 7.299 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 1682399

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	32.6	26.1	39.1

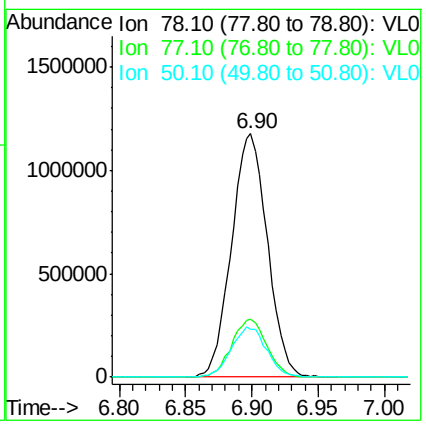


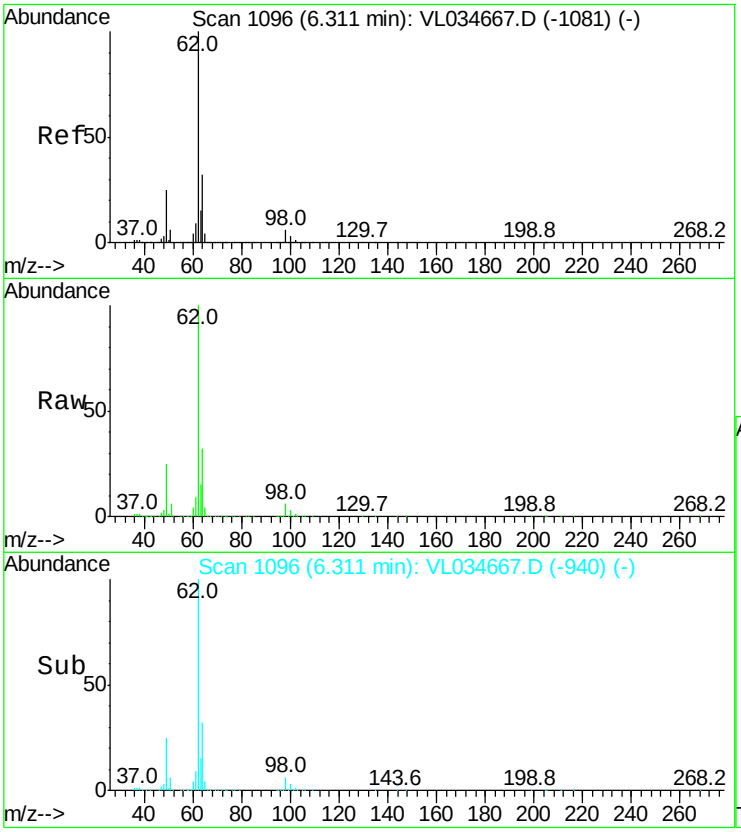


#36
Benzene
Concen: 10.295 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 78 Resp: 2207156

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8
50	19.9	15.9	23.9



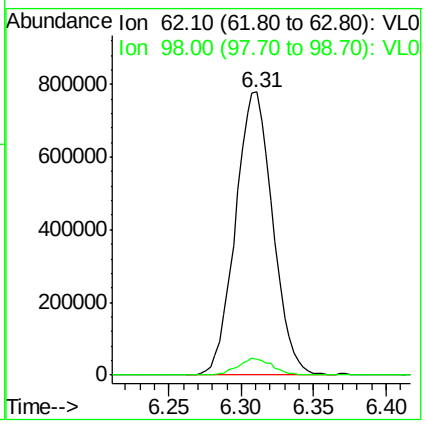


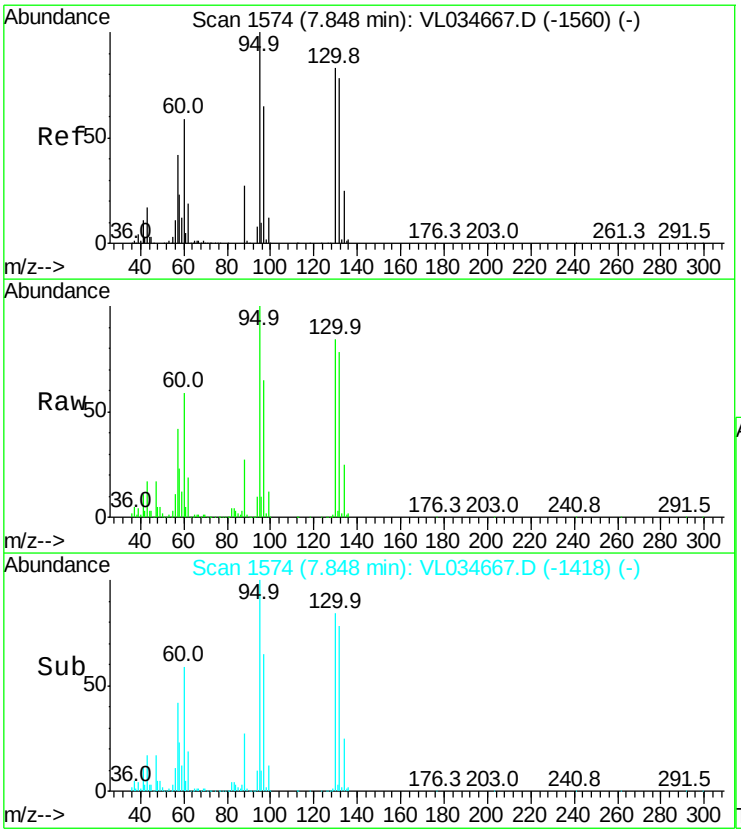
#37
1,2-Dichloroethane
Concen: 7.791 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1393666

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

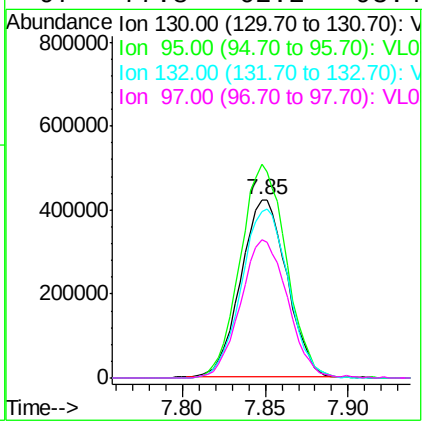


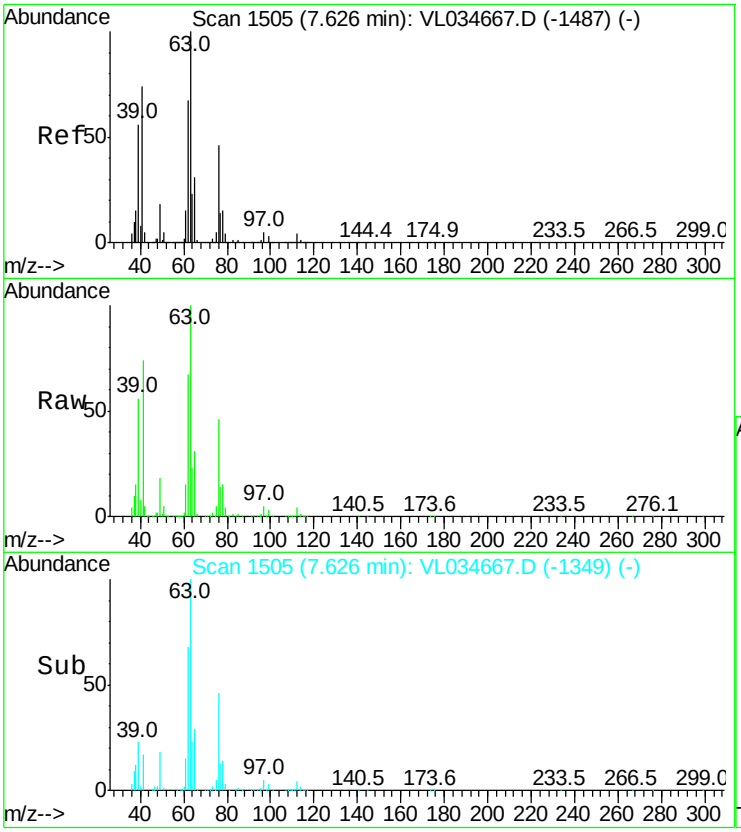


#38
Trichloroethene
Concen: 9.096 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:130 Resp: 822009

Ion	Ratio	Lower	Upper
130	100		
95	120.1	96.1	144.1
132	93.3	74.6	112.0
97	77.8	62.2	93.4



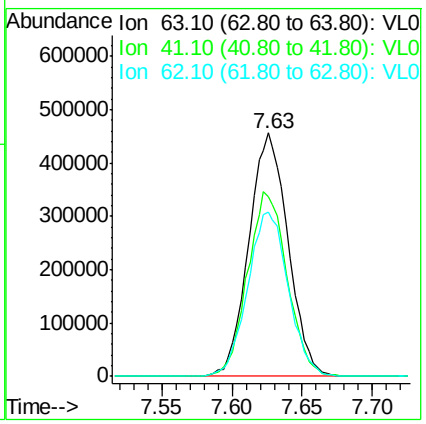


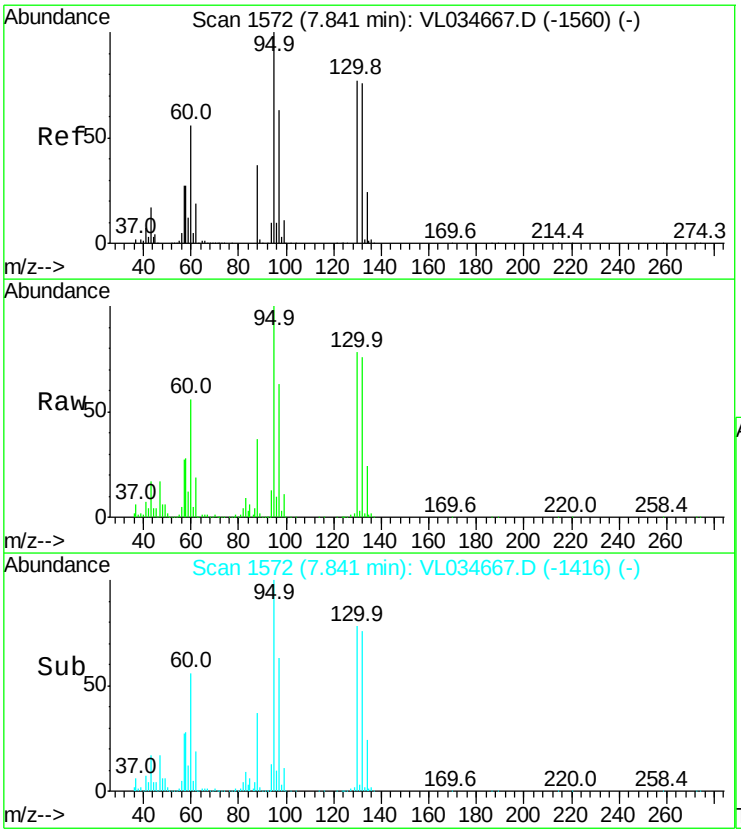
#39
1,2-Dichloropropane
Concen: 9.967 ppbv
RT: 7.63 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 885846

Ion	Ratio	Lower	Upper
63	100		
41	73.6	58.9	88.3
62	67.3	53.8	80.8

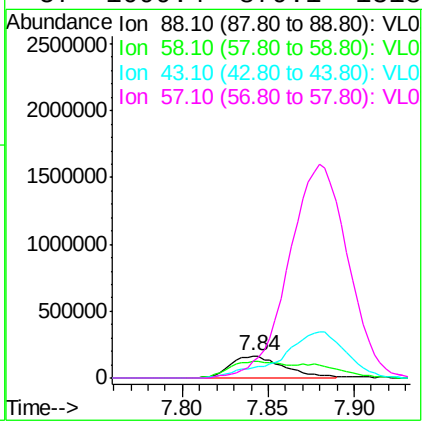


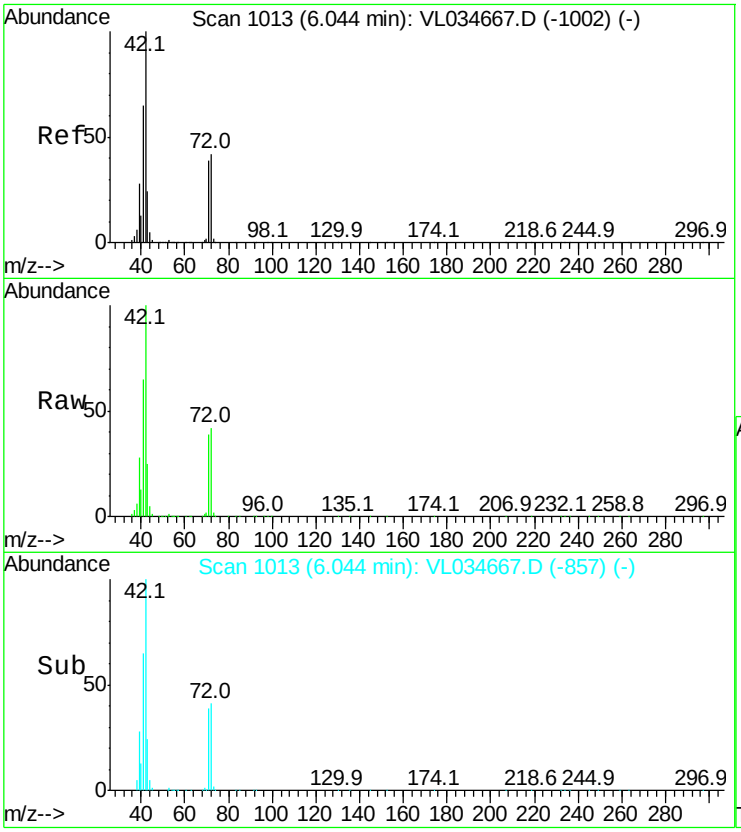


#40
1,4-Dioxane
Concen: 10.223 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 88 Resp: 349275

Ion	Ratio	Lower	Upper
88	100		
58	135.5	108.6	163.0
43	259.5	208.1	312.1
57	1099.4	879.1	1318.7



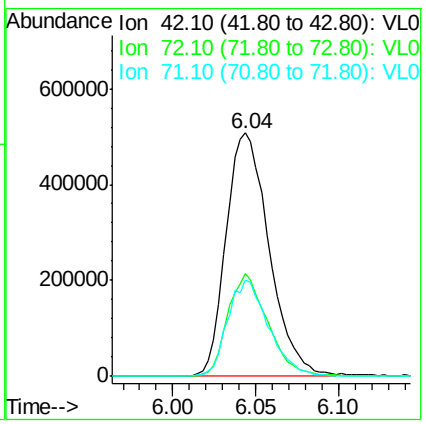


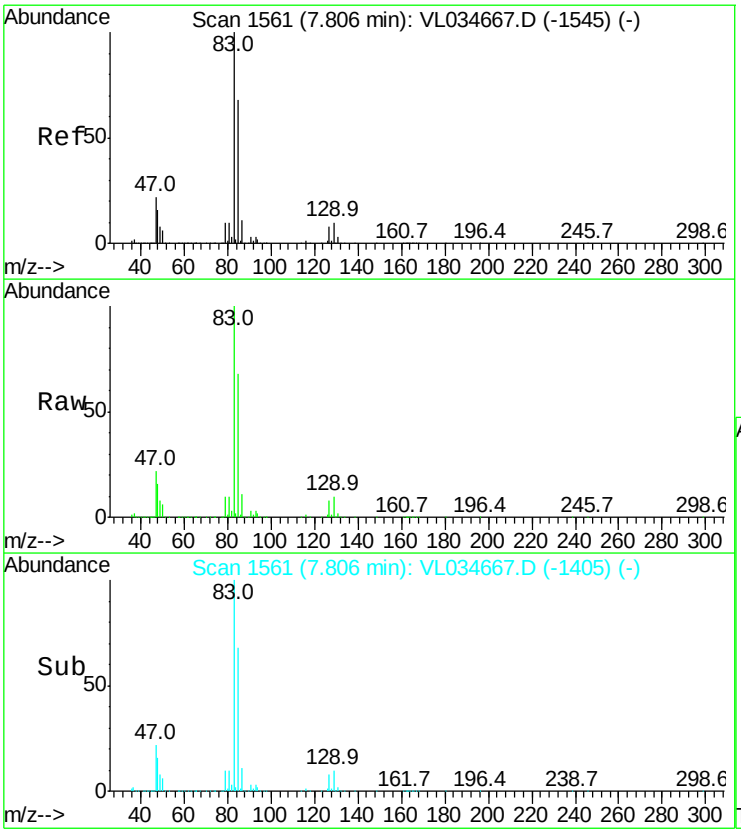
#41
Tetrahydrofuran
Concen: 10.040 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 42 Resp: 916809

Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.5	47.3
71	37.9	30.3	45.5

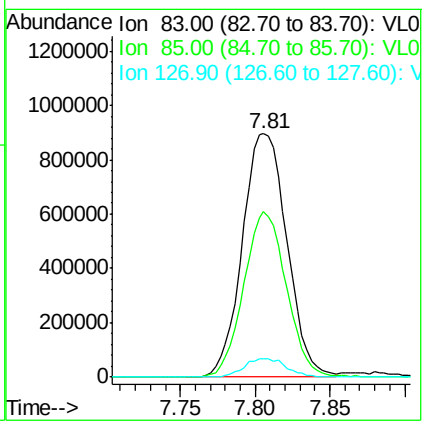


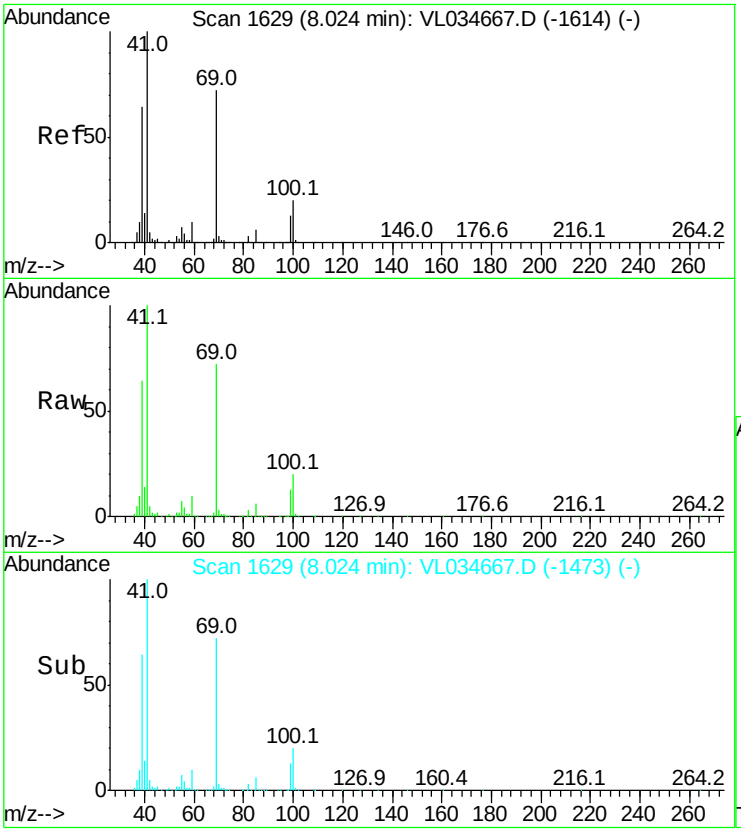


#42
Bromodichloromethane
Concen: 8.430 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 83 Resp: 1855956

Ion	Ratio	Lower	Upper
83	100		
85	67.8	54.2	81.4
127	7.8	6.2	9.4



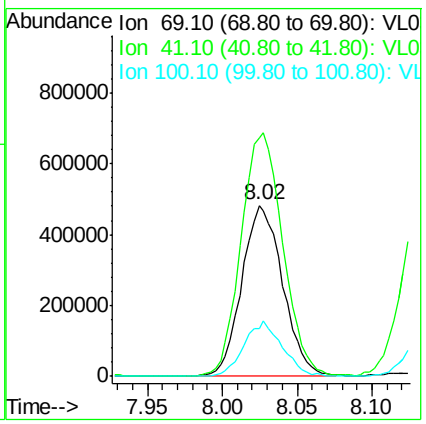


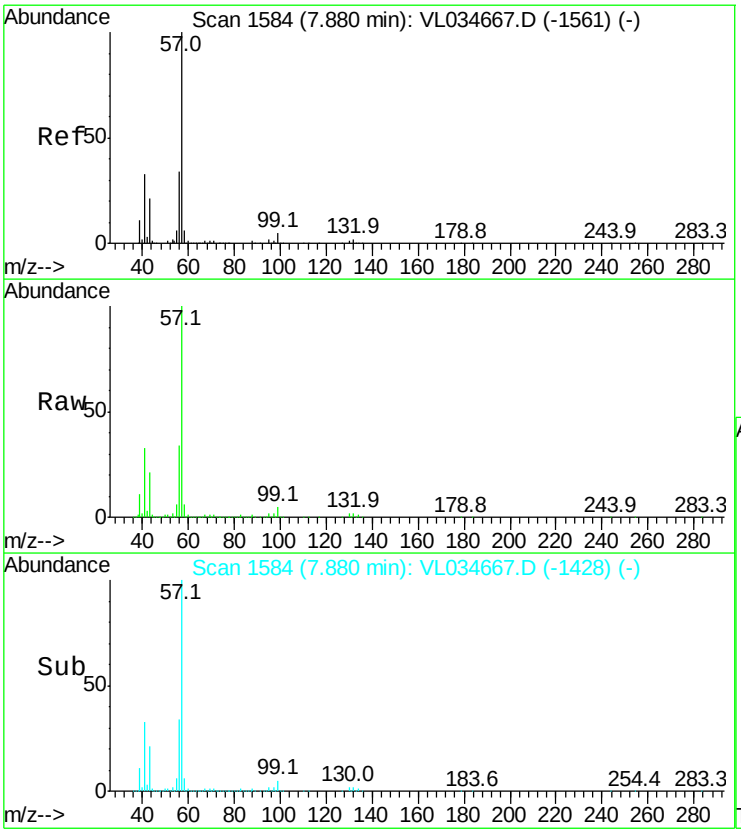
#43
Methyl Methacrylate
Concen: 10.623 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 916048

Ion	Ratio	Lower	Upper
69	100		
41	145.5	116.4	174.6
100	30.4	24.3	36.5

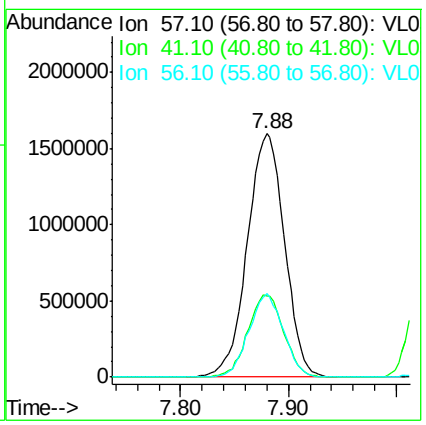


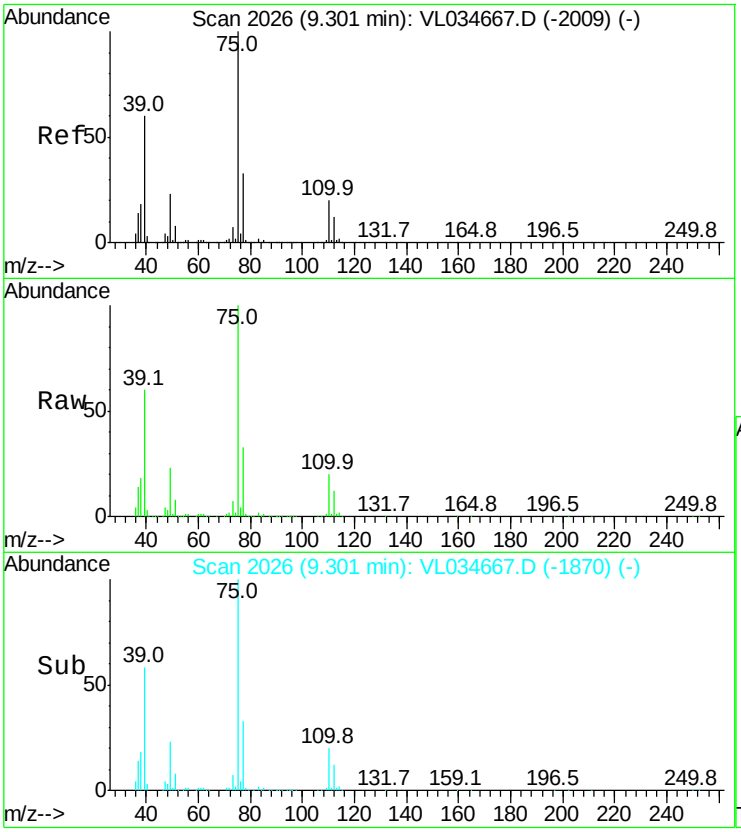


#44
2,2,4-Trimethylpentane
Concen: 9.853 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 57 Resp: 3832795

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.1	39.1
56	31.7	25.4	38.2



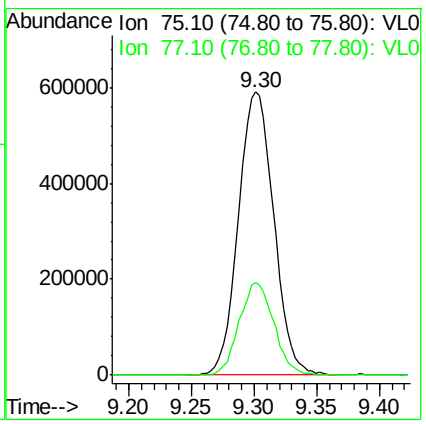


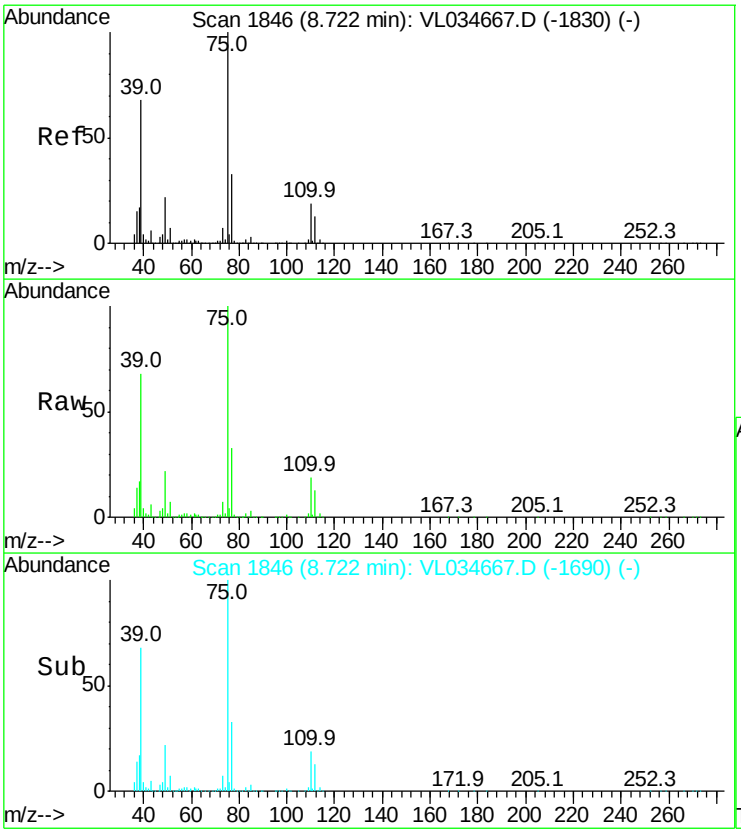
#45
t-1,3-Dichloropropene
Concen: 10.261 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 75 Resp: 1158557

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.3	39.5

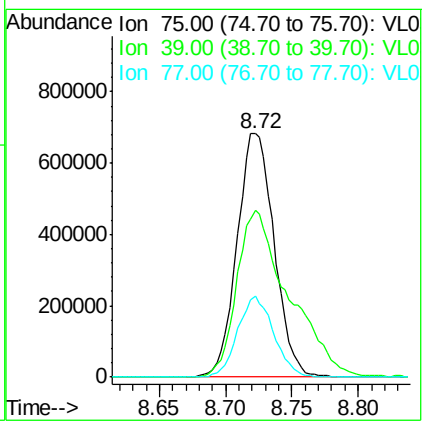


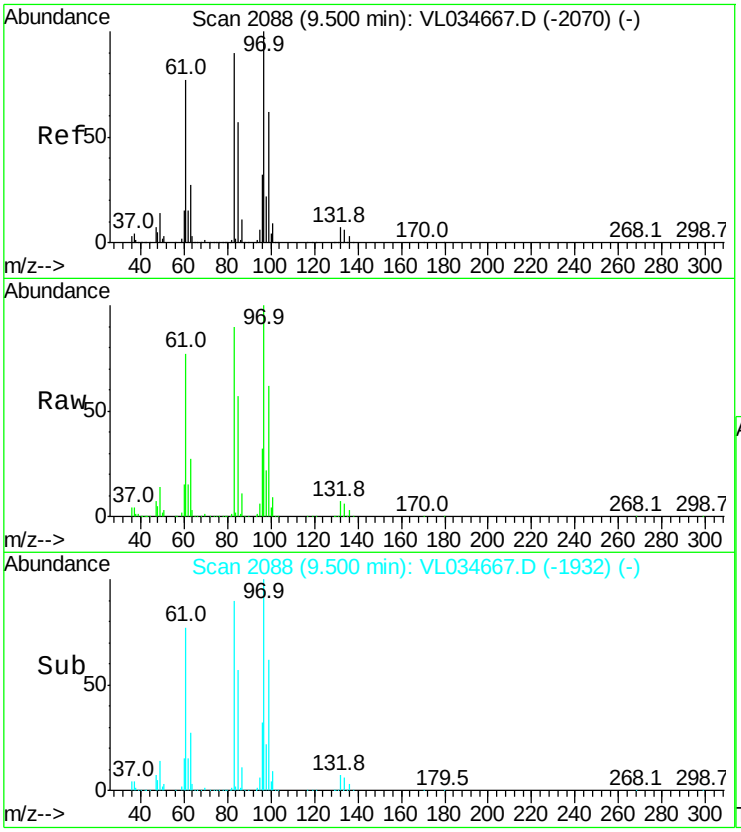


#46
cis-1,3-Dichloropropene
Concen: 10.347 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 75 Resp: 1327930

Ion	Ratio	Lower	Upper
75	100		
39	68.4	54.7	82.1
77	33.3	26.6	40.0



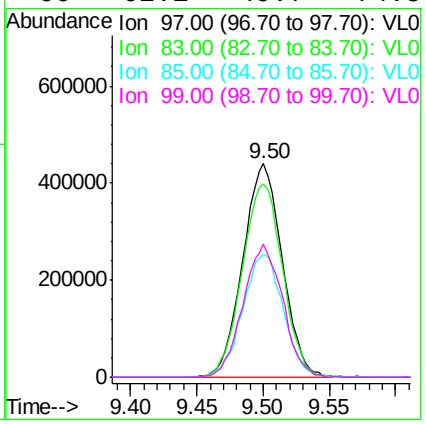


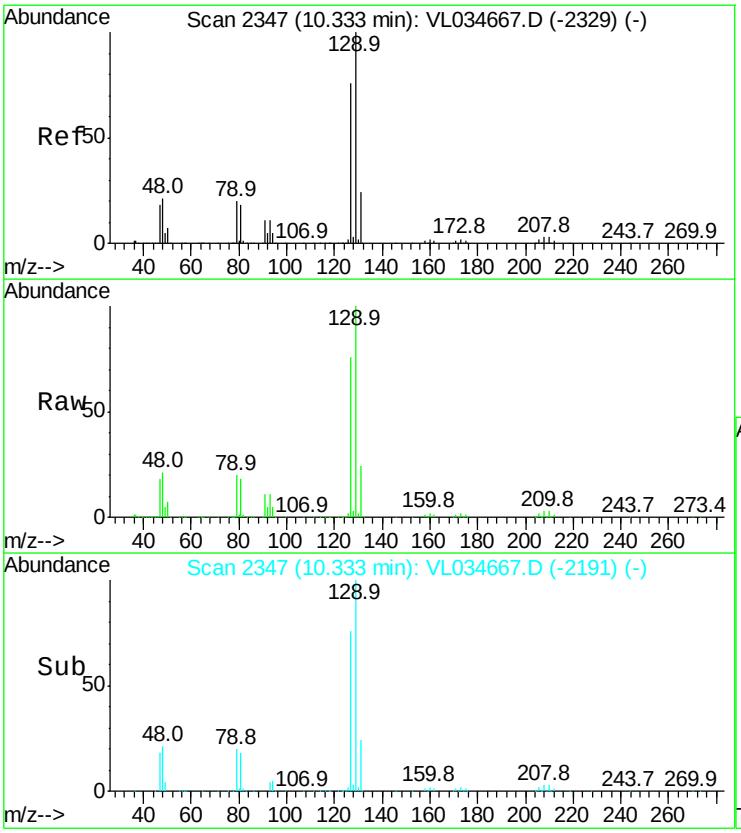
#47
1,1,2-Trichloroethane
Concen: 9.469 ppbv
RT: 9.50 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 97 Resp: 911461

Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.3	108.5
85	57.3	45.8	68.8
99	62.1	49.7	74.5

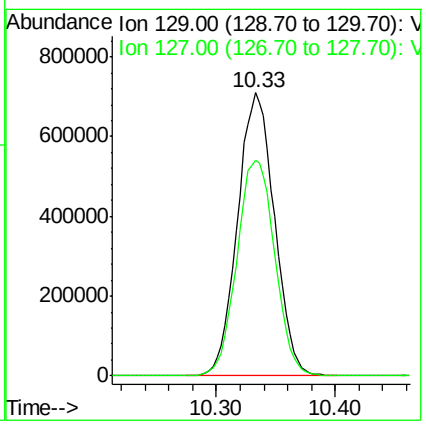


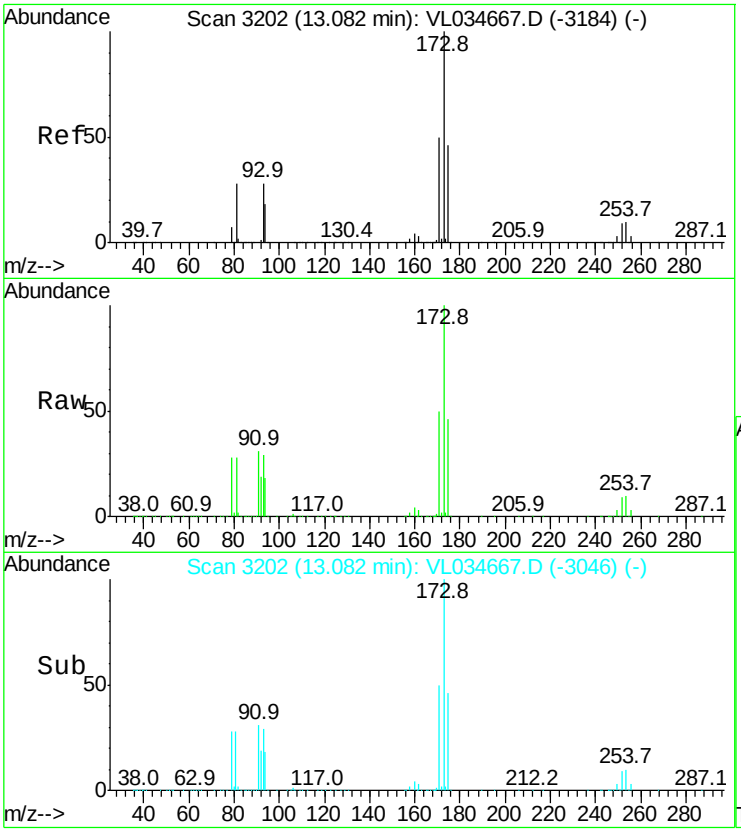


#48
Dibromochloromethane
Concen: 8.638 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:129 Resp: 1523736

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



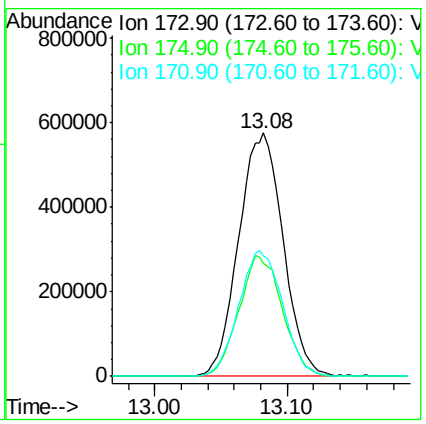


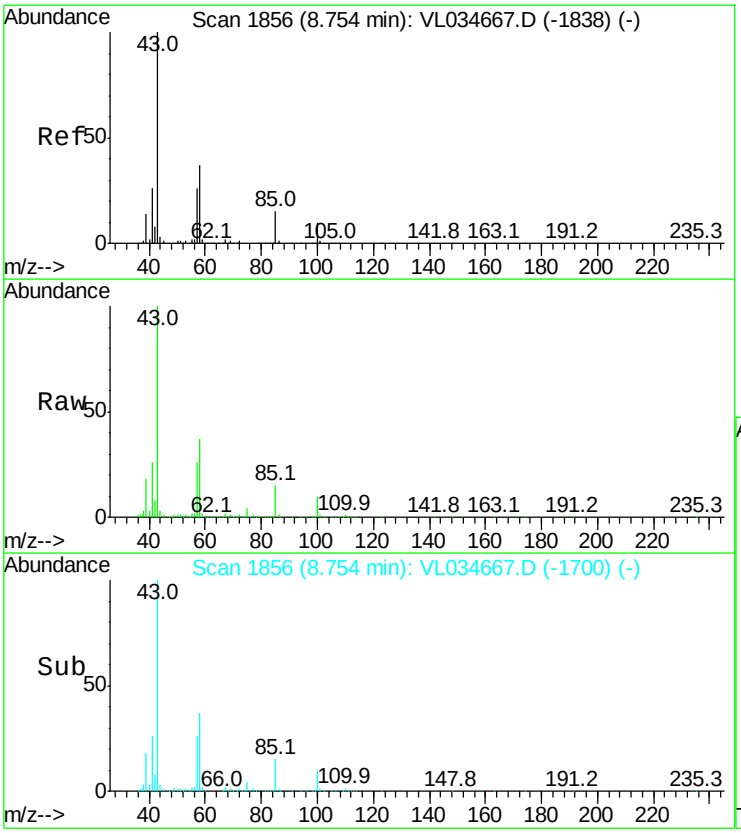
#49
Bromoform
Concen: 8.671 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:173 Resp: 1342894

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.4
171	51.2	41.0	61.6

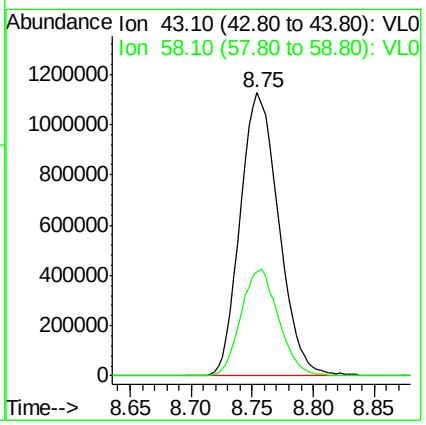


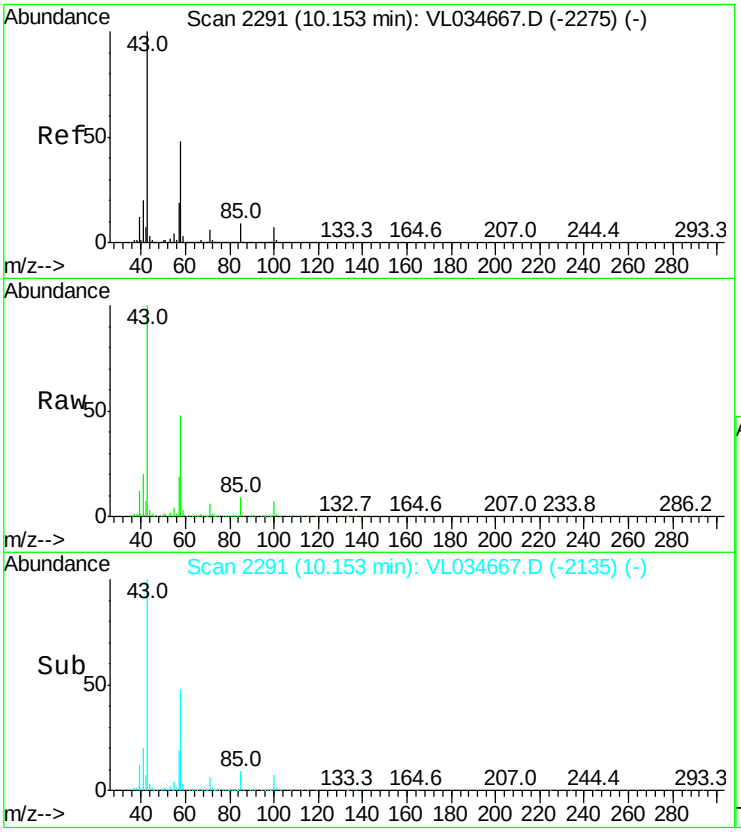


#50
4-Methyl-2-Pentanone
Concen: 9.843 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 43 Resp: 2457061

Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3



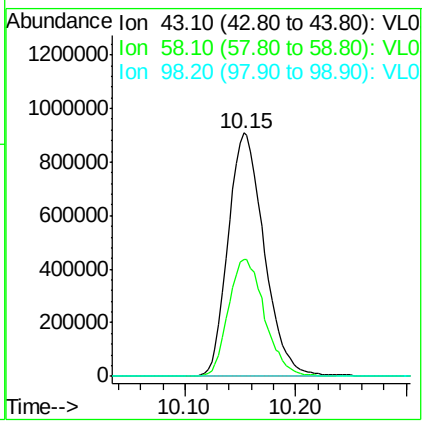


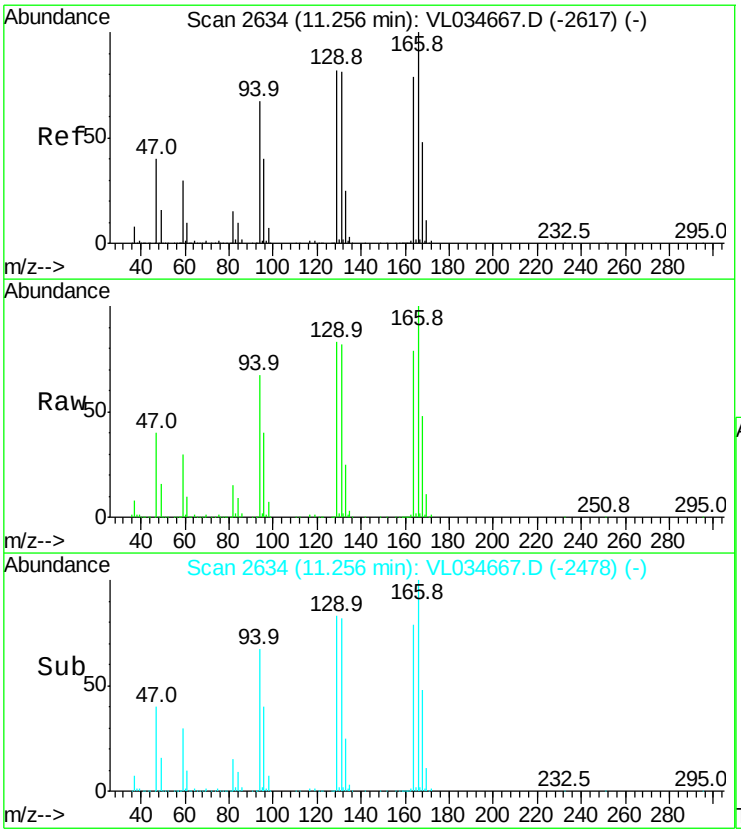
#51
2-Hexanone
Concen: 10.468 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2057043

Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.8	58.2
98	0.4	0.3	0.5

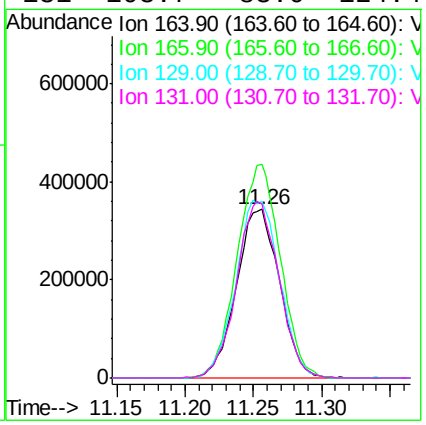


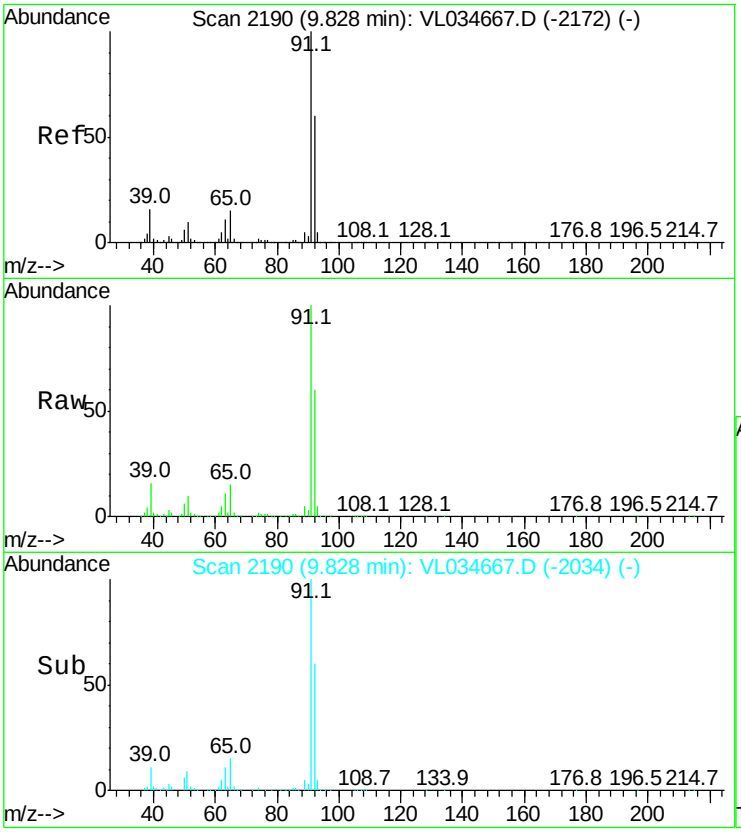


#52
Tetrachloroethene
Concen: 8.762 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:164 Resp: 754609

Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.2
129	104.4	83.5	125.3
131	103.7	83.0	124.4



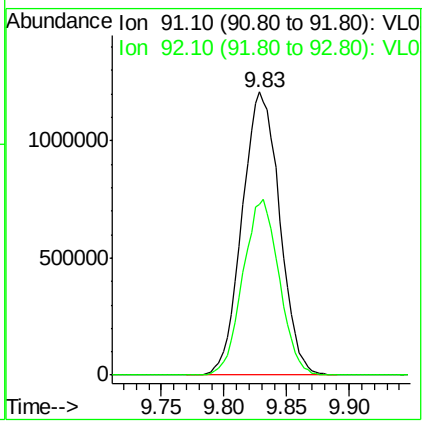


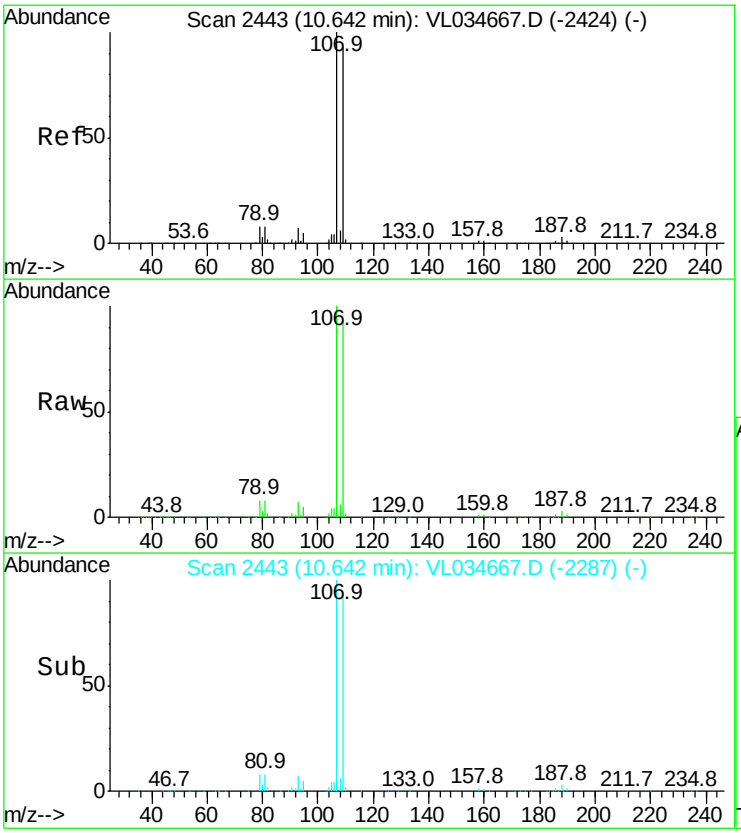
#53
Toluene
Concen: 10.669 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 2512717

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.2

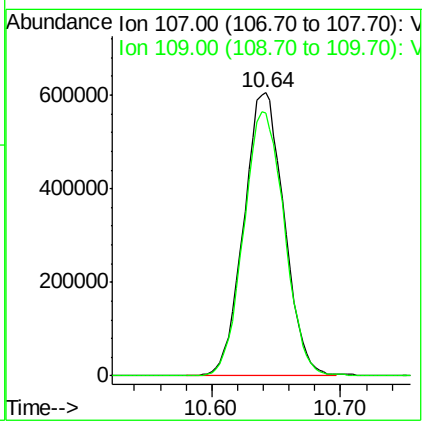


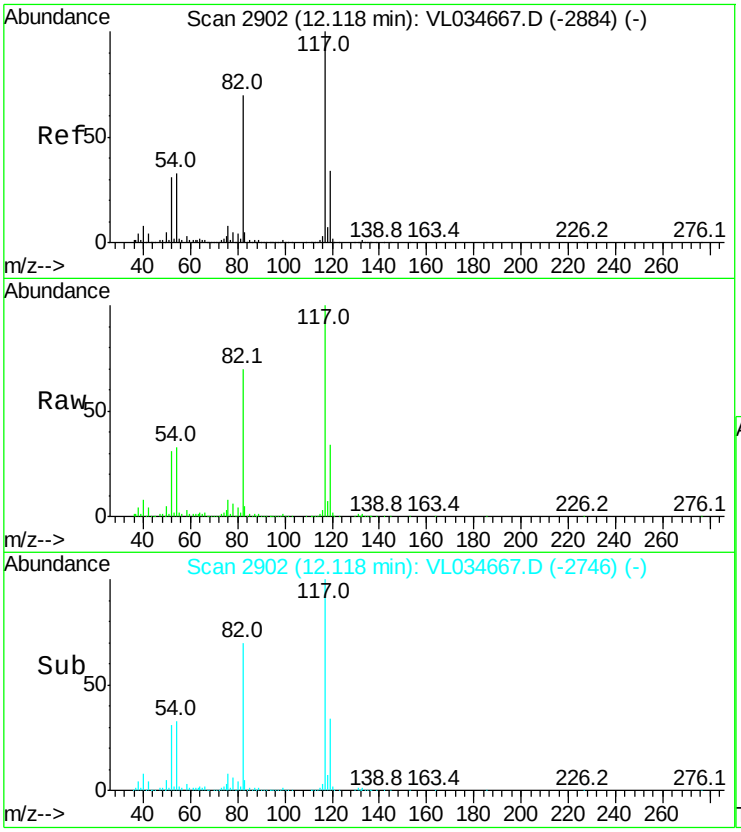


#54
1,2-Dibromoethane
Concen: 9.146 ppbv
RT: 10.64 min Scan# 2443
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:107 Resp: 1319302

Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.2	111.4



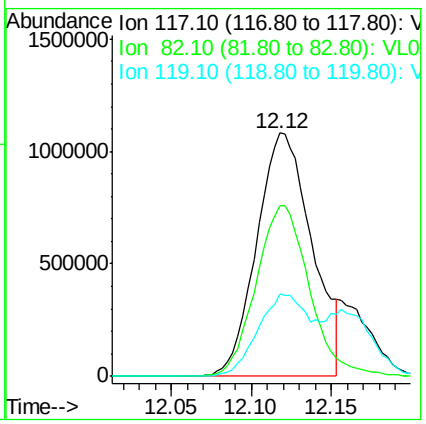


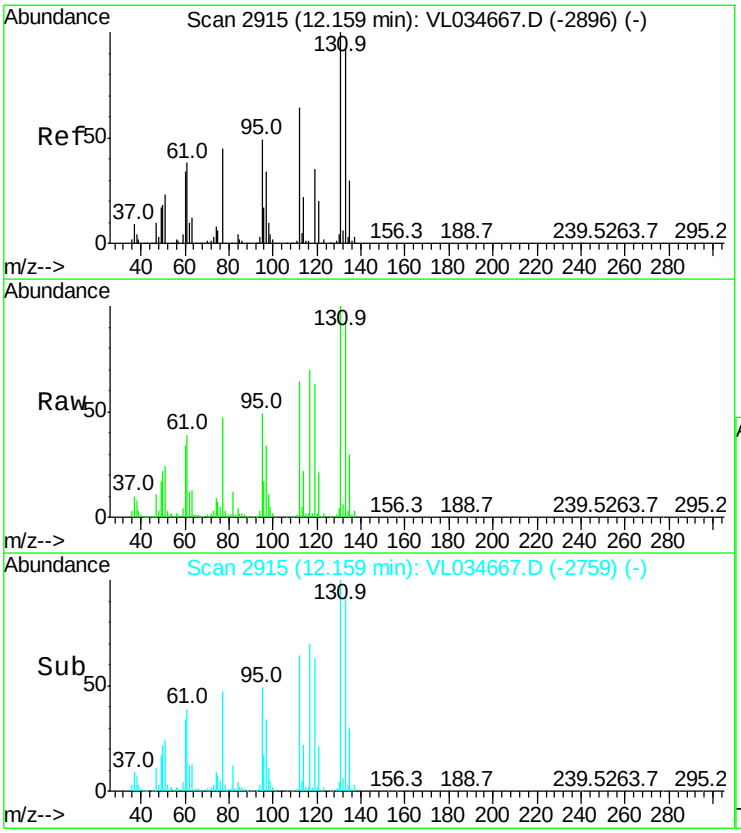
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2582745

Ion	Ratio	Lower	Upper
117	100		
82	67.8	54.2	81.4
119	34.5	44.2	66.2#

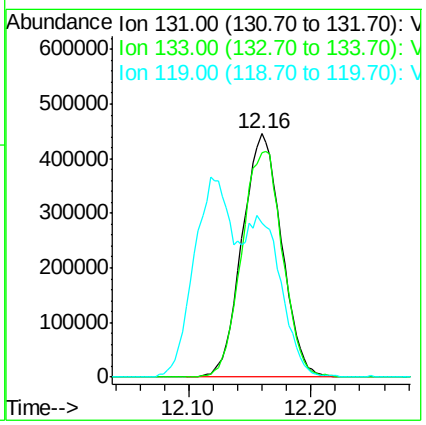


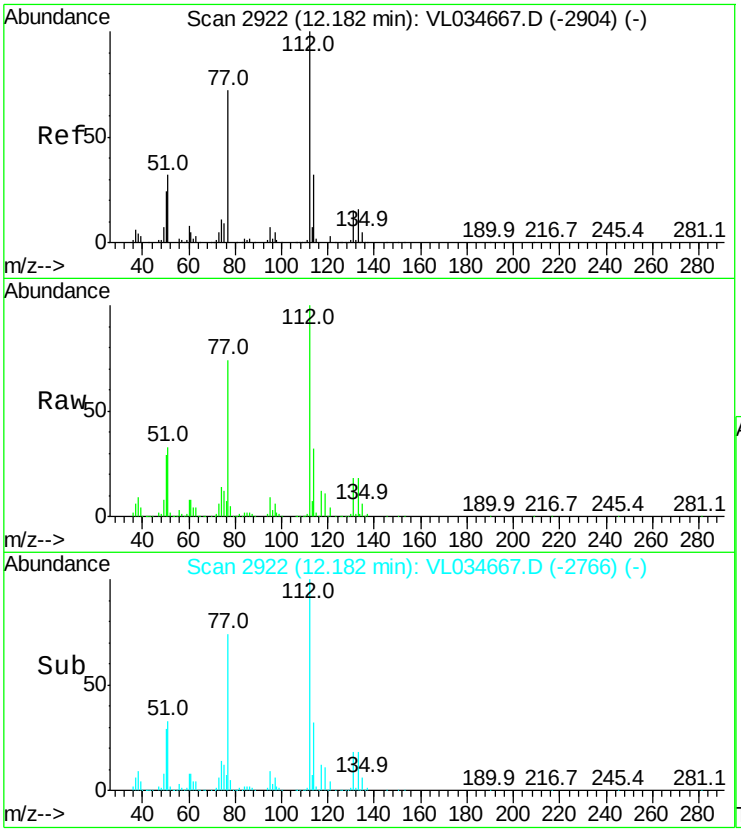


#56
1,1,1,2-Tetrachloroethane
Concen: 7.789 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:131 Resp: 993225

Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.0	115.4
119	143.7	114.8	172.2



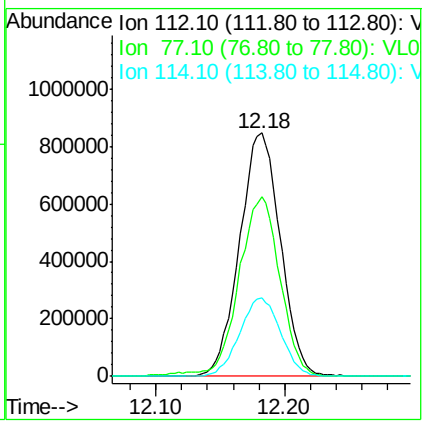


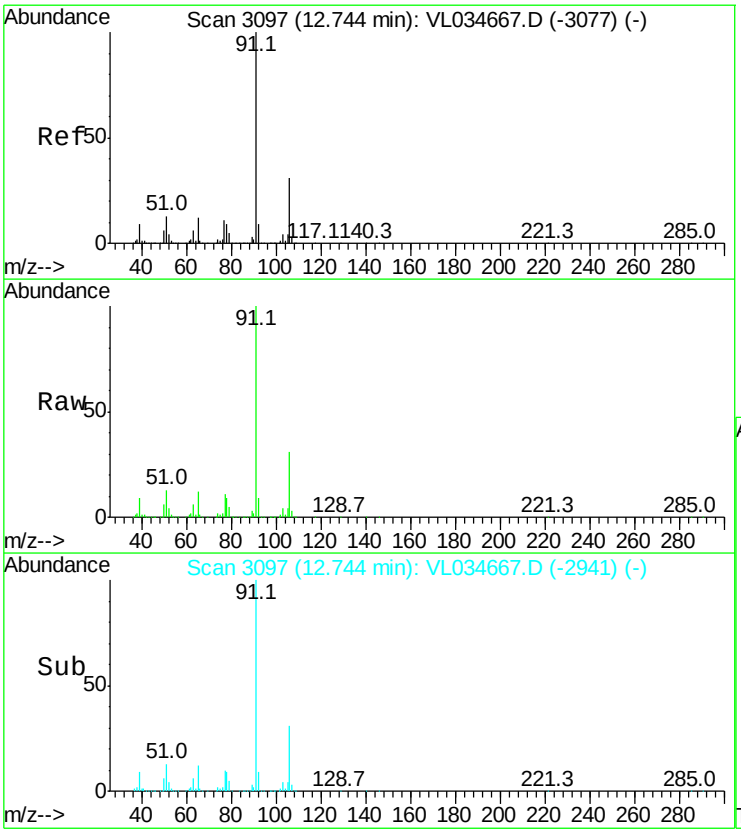
#57
Chlorobenzene
Concen: 8.774 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 1864742

Ion	Ratio	Lower	Upper
112	100		
77	73.6	58.9	88.3
114	32.3	29.1	35.5

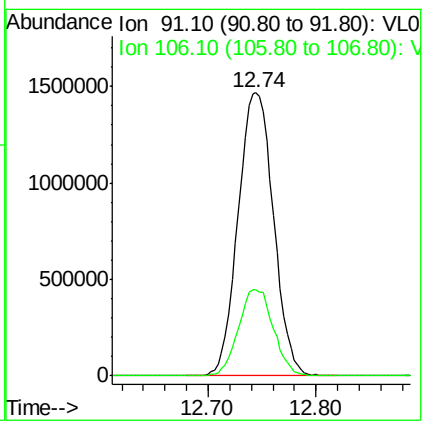


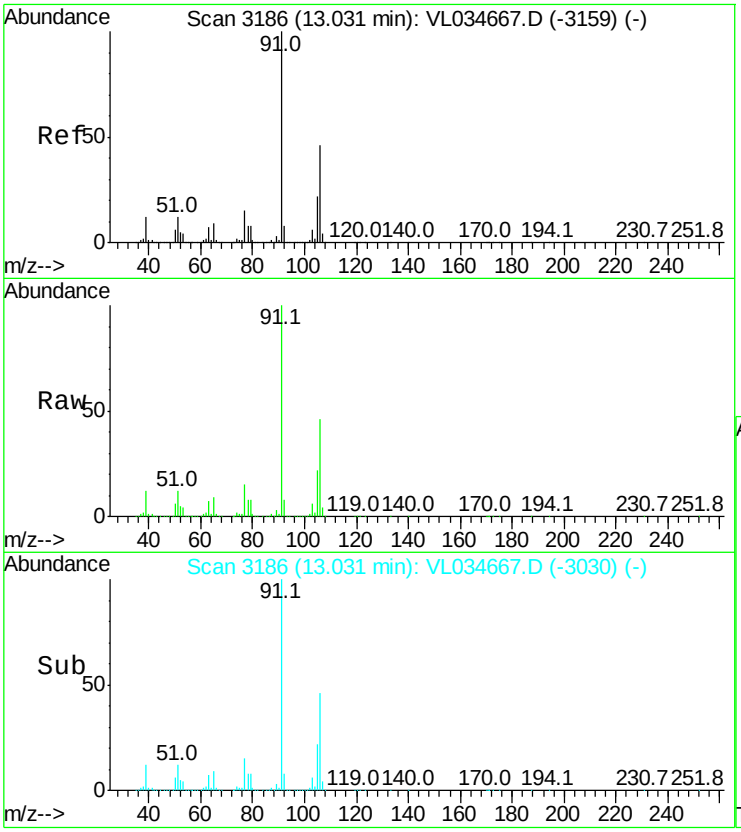


#58
Ethyl Benzene
Concen: 9.694 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 91 Resp: 3350154

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8



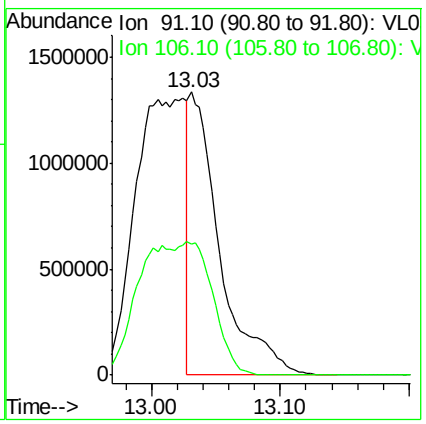


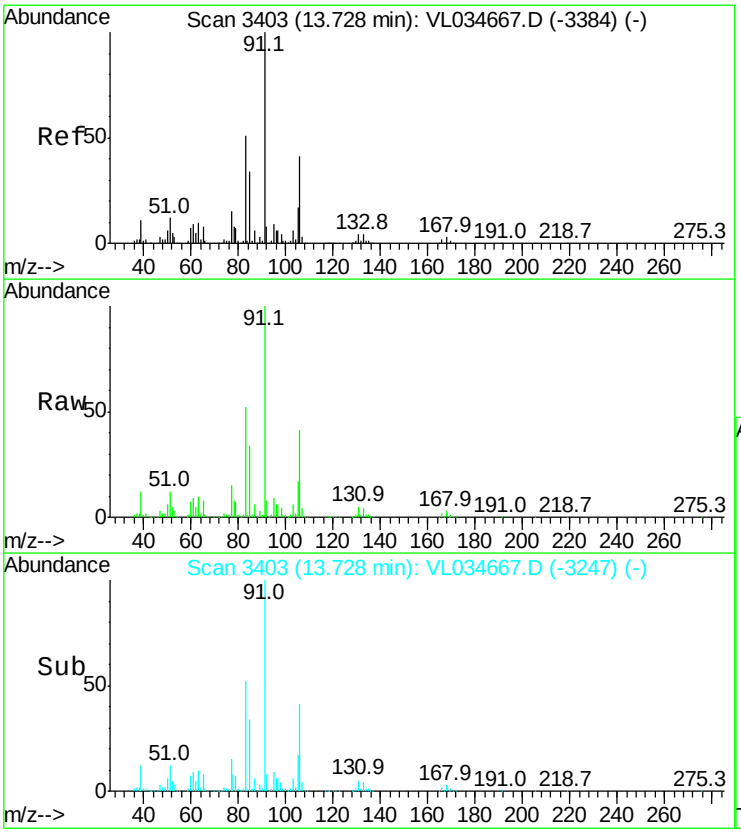
#59
m/p-Xylene
Concen: 7.106 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2171014

Ion	Ratio	Lower	Upper
91	100		
106	114.9	35.9	53.9#

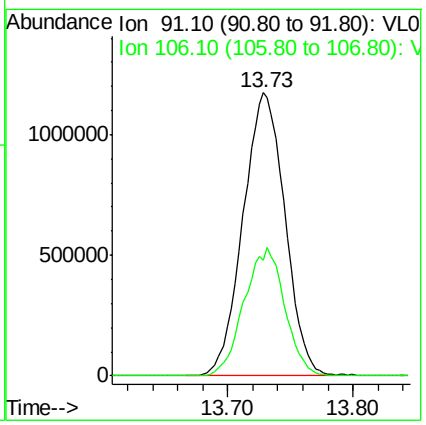


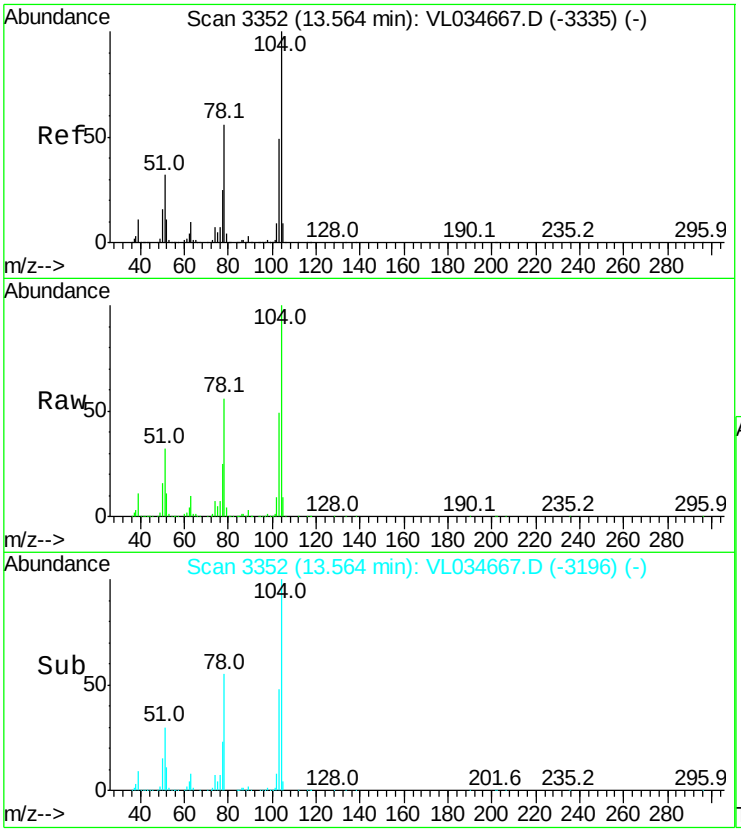


#60
o-Xylene
Concen: 8.874 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 91 Resp: 2722699

Ion	Ratio	Lower	Upper
91	100		
106	44.1	22.1	66.1



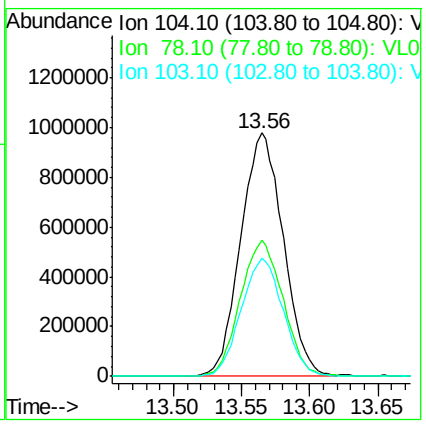


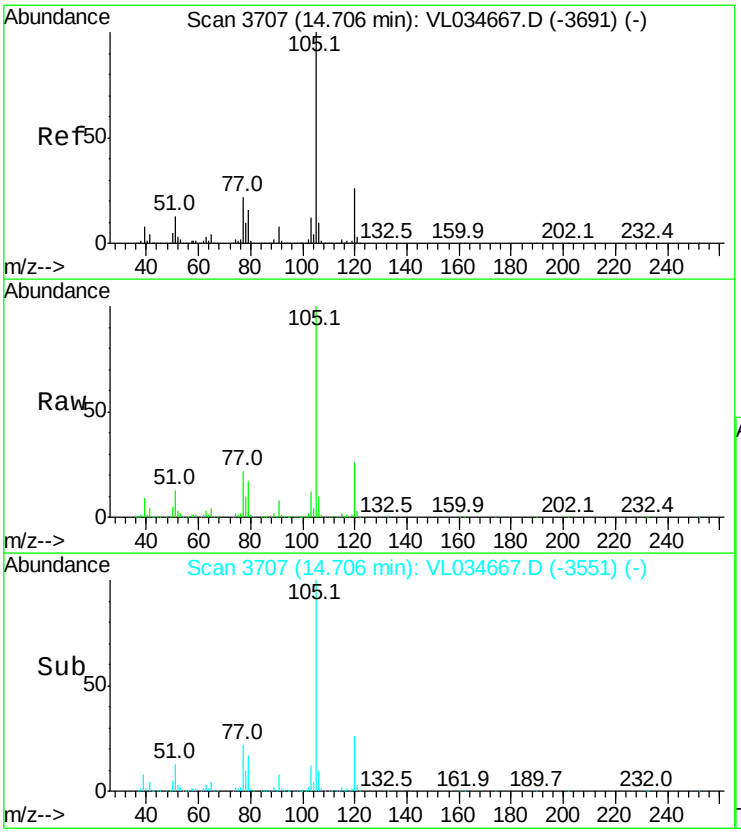
#61
Styrene
Concen: 10.372 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2121916

Ion	Ratio	Lower	Upper
104	100		
78	56.0	44.9	67.3
103	48.1	38.5	57.7

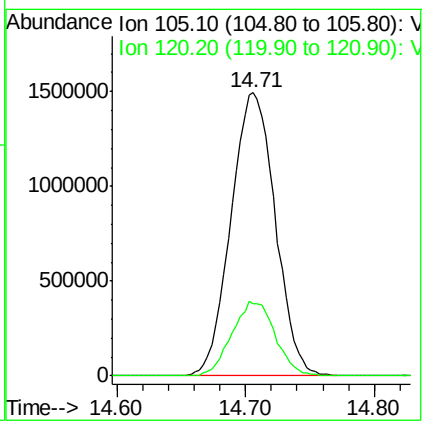


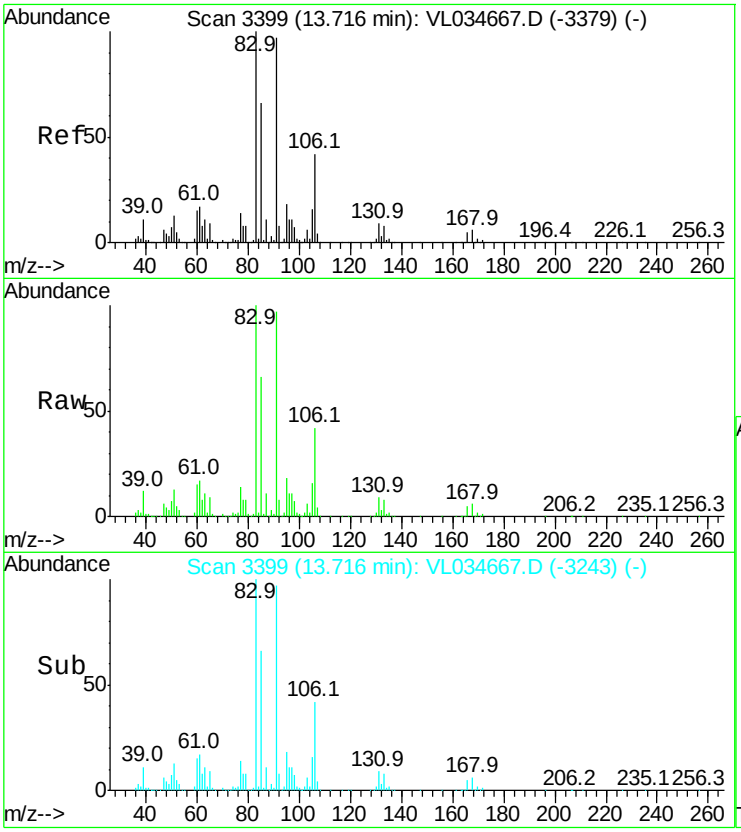


#62
Isopropylbenzene
Concen: 8.938 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:105 Resp: 3553660

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1



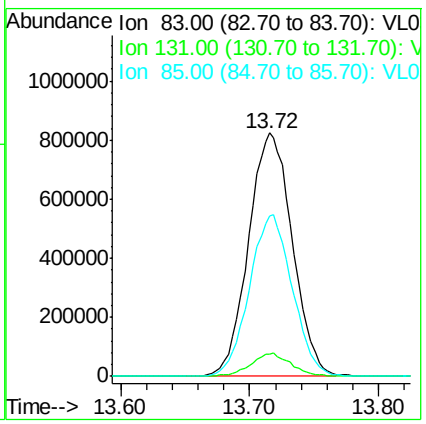


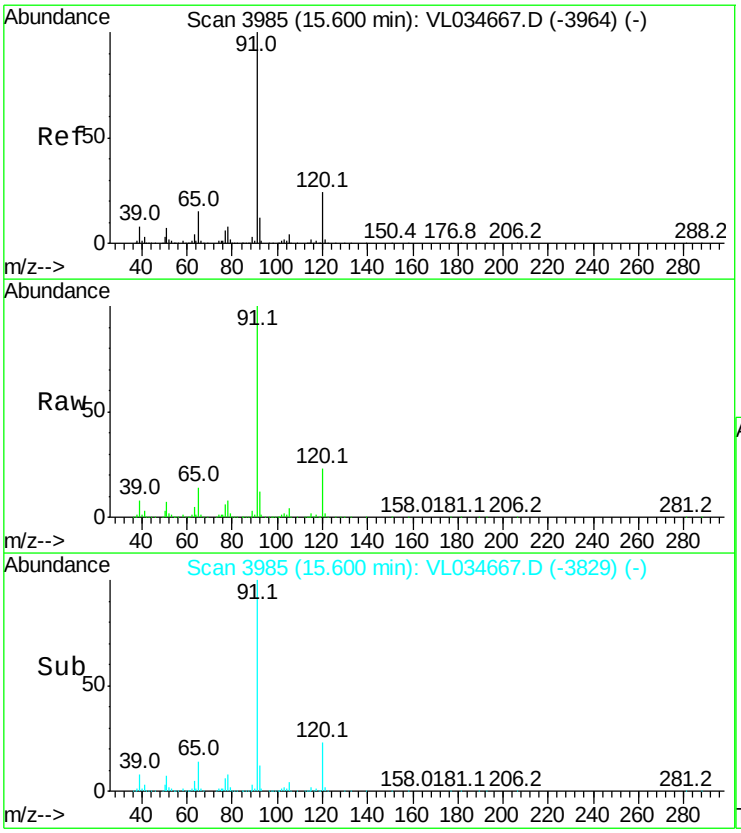
#63
1,1,2,2-Tetrachloroethane
Concen: 8.201 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 1946172

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	65.3	32.6	98.0

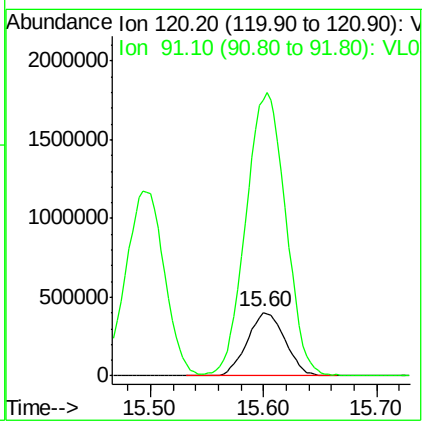


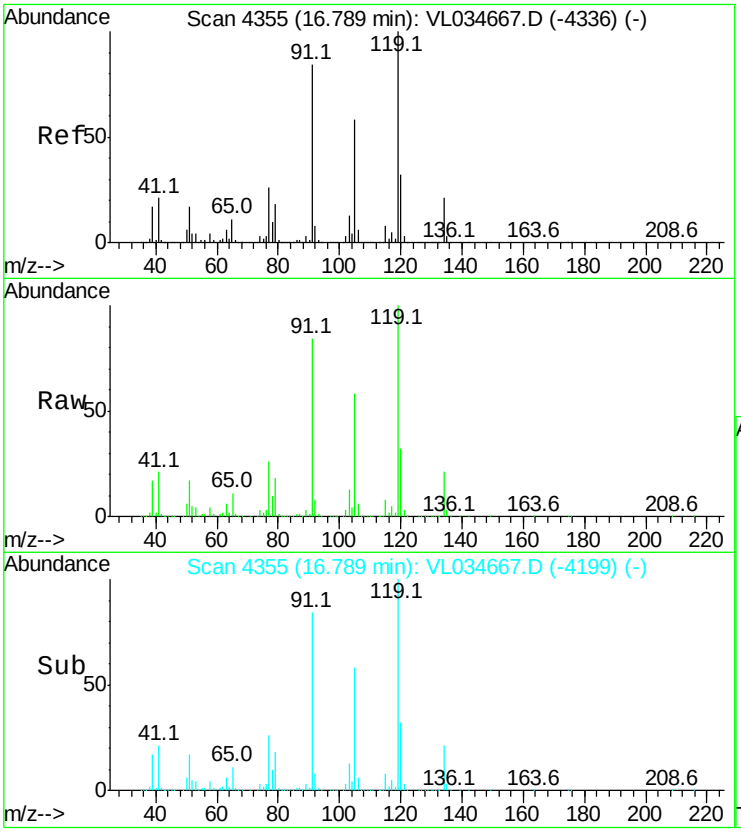


#64
n-propylbenzene
Concen: 9.136 ppbv
RT: 15.60 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:120 Resp: 934578

Ion	Ratio	Lower	Upper
120	100		
91	469.4	375.9	563.9



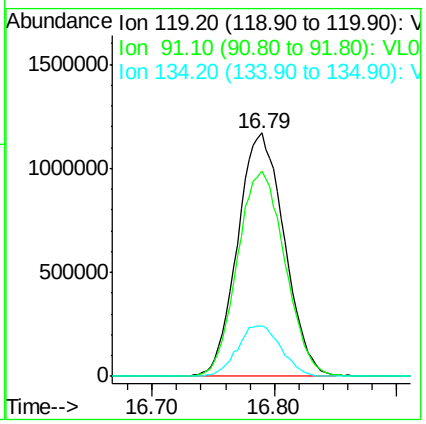


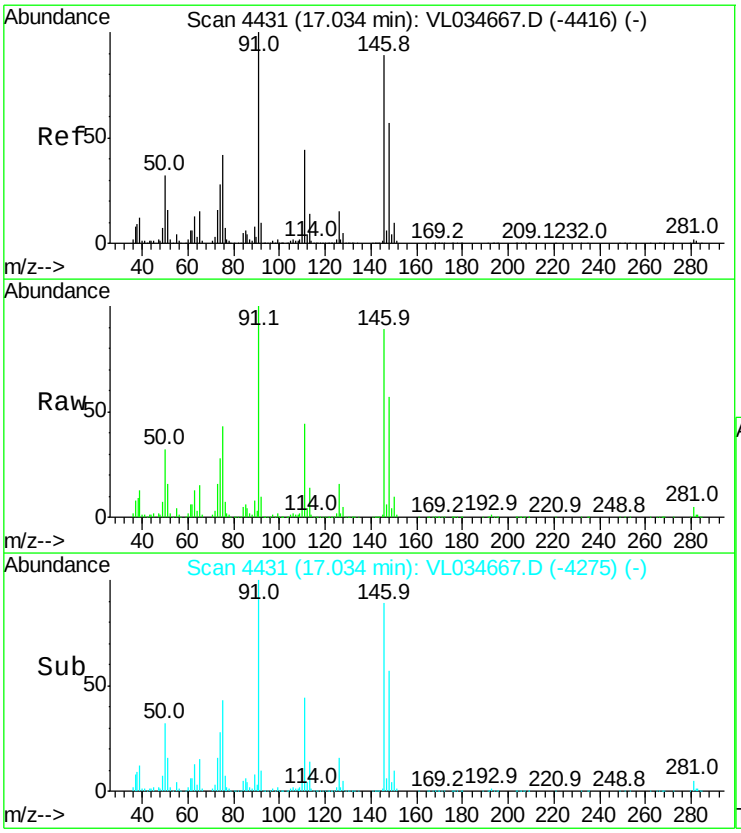
#65
tert-Butylbenzene
Concen: 8.599 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3097394

Ion	Ratio	Lower	Upper
119	100		
91	86.2	68.9	103.3
134	19.5	15.6	23.4

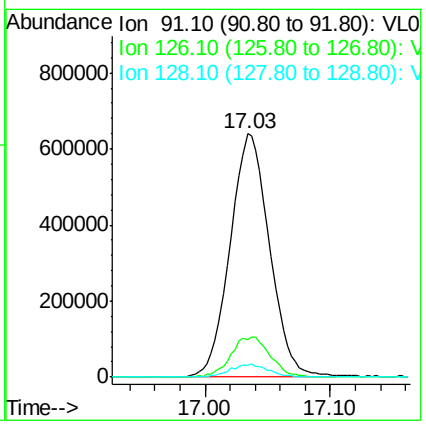


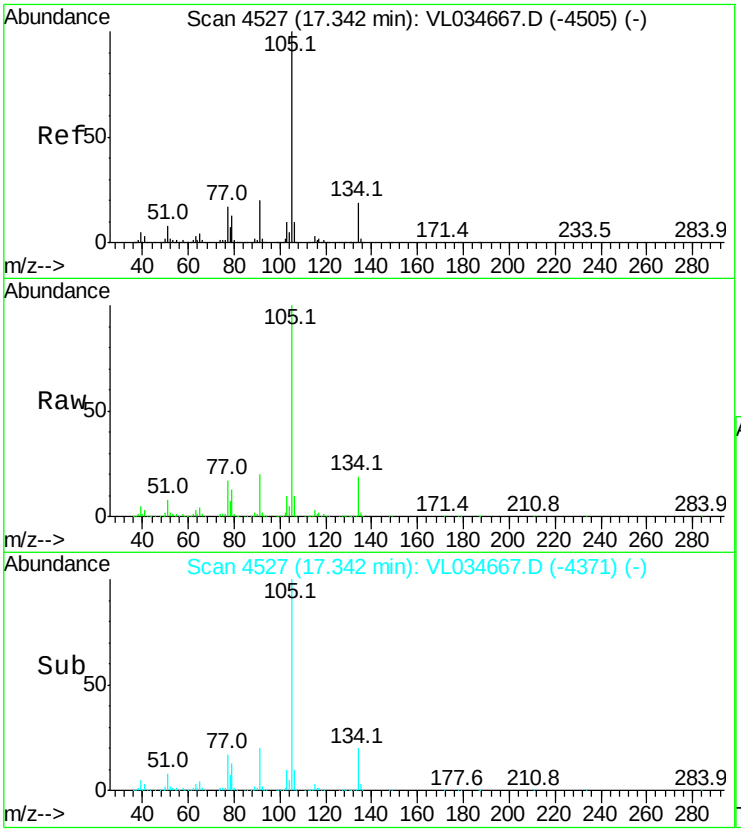


#66
Benzyl Chloride
Concen: 9.203 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 91 Resp: 1389981

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.3	19.9
128	5.2	4.2	6.2



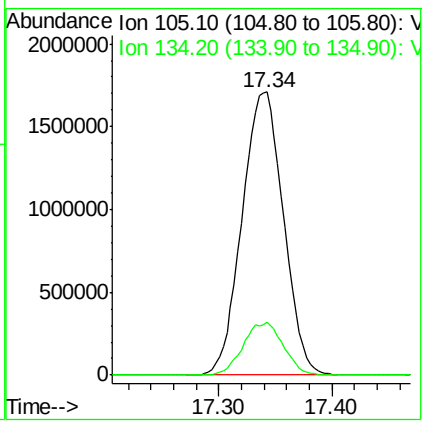


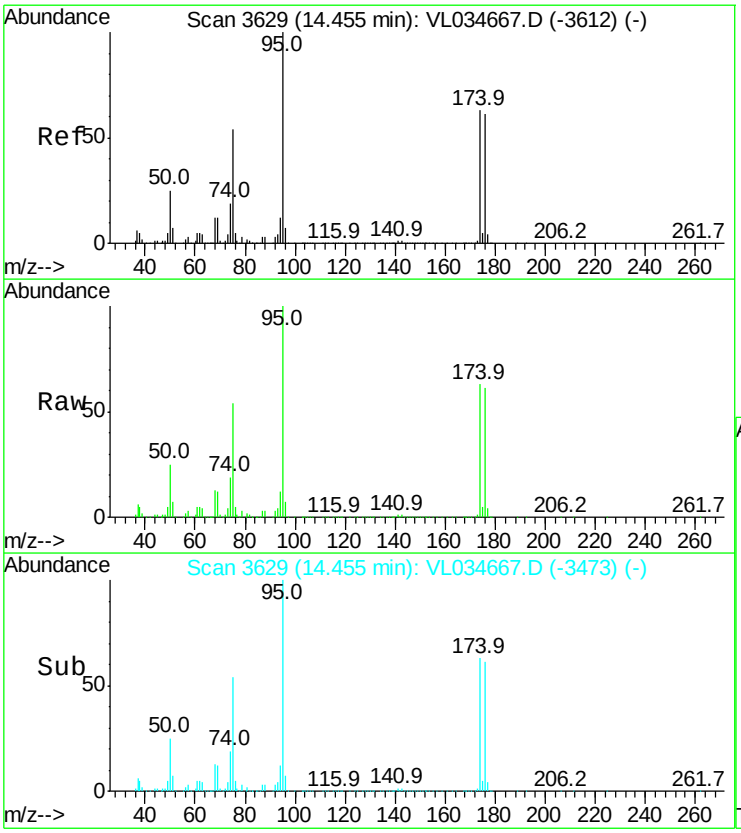
#67
sec-Butylbenzene
Concen: 8.762 ppbv
RT: 17.34 min Scan# 4527
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 4337554

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

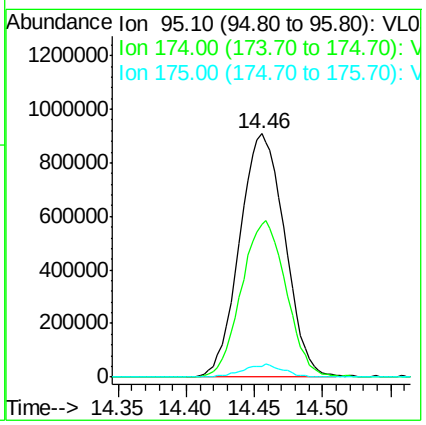


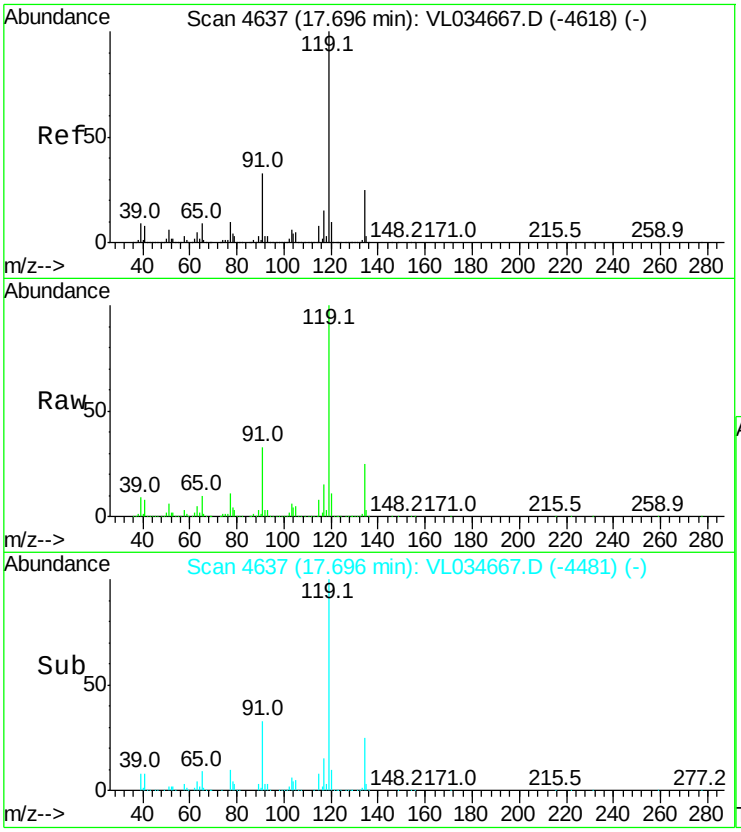


#68
1-Bromo-4-Fluorobenzene
Concen: 9.553 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 95 Resp: 2085314

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.2	76.8
175	4.7	3.8	5.6



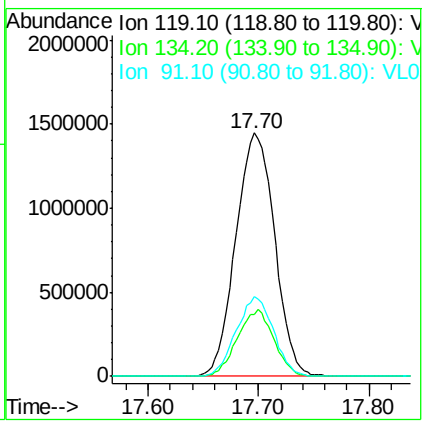


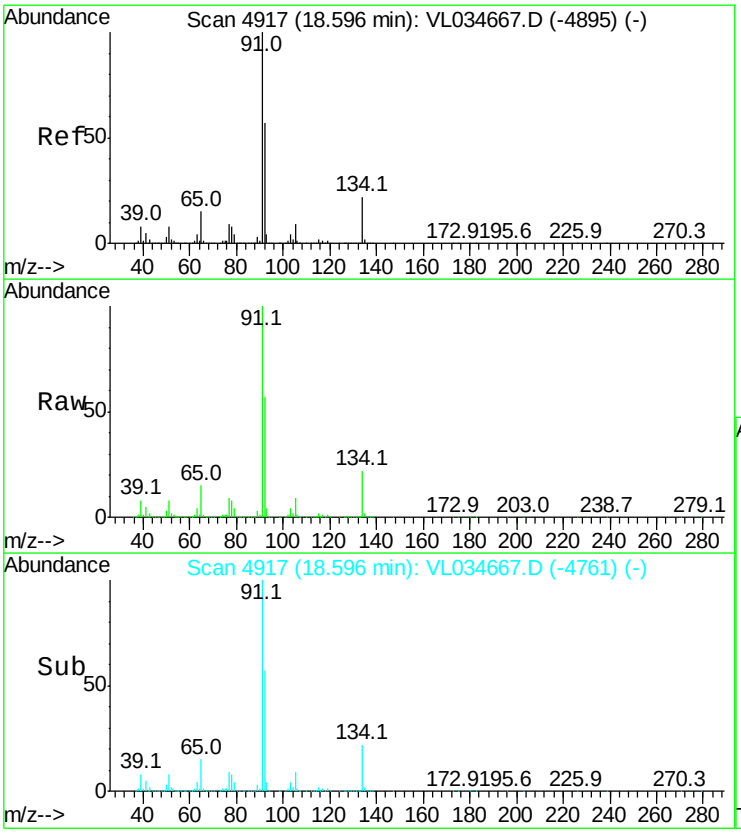
#69
p-Isopropyltoluene
Concen: 8.788 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3532617

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	31.6	25.3	37.9

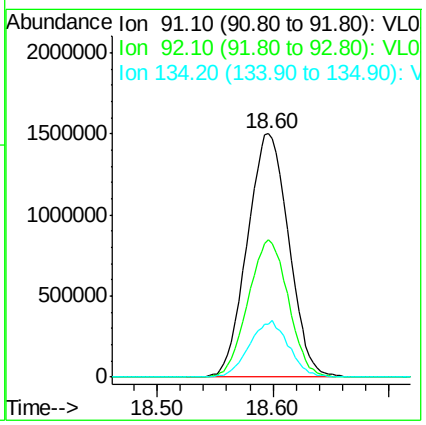


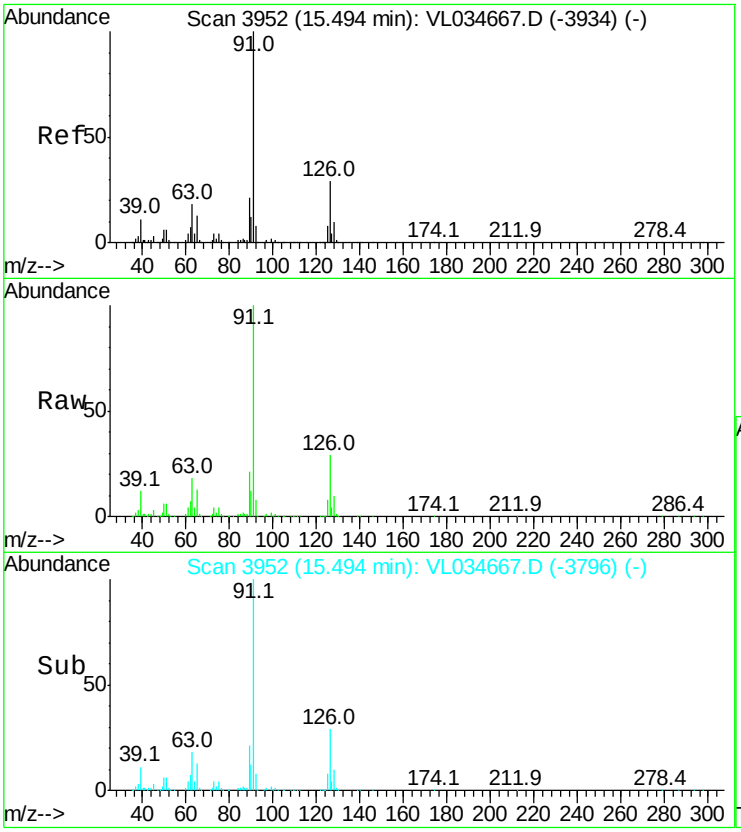


#70
n-Butylbenzene
Concen: 8.719 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion: 91 Resp: 3720256

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	22.0	17.6	26.4



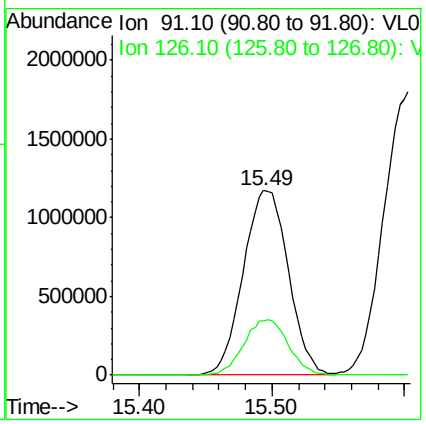


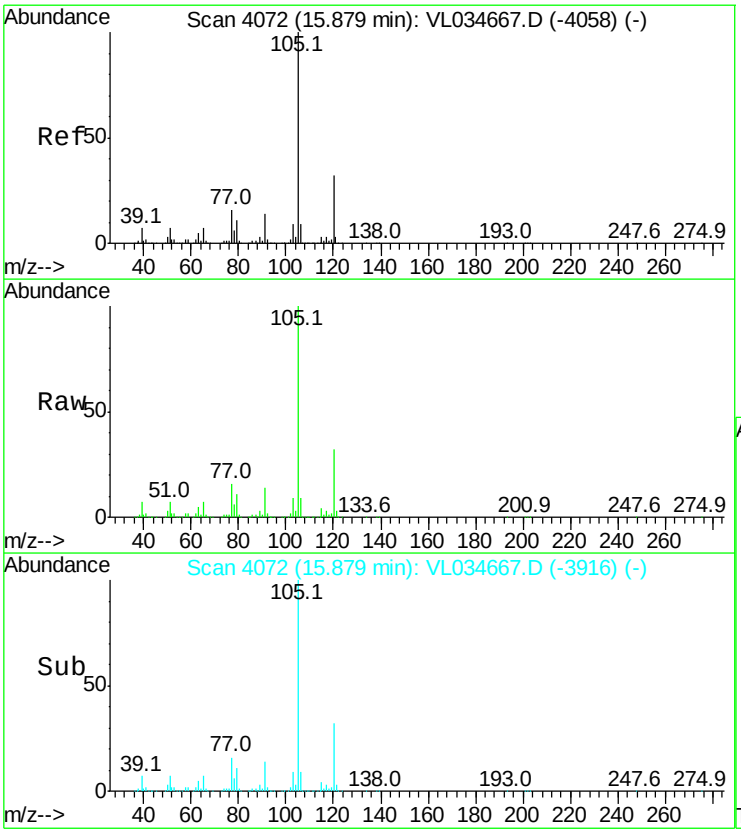
#71
2-Chlorotoluene
Concen: 9.242 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2789319

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.8	47.0

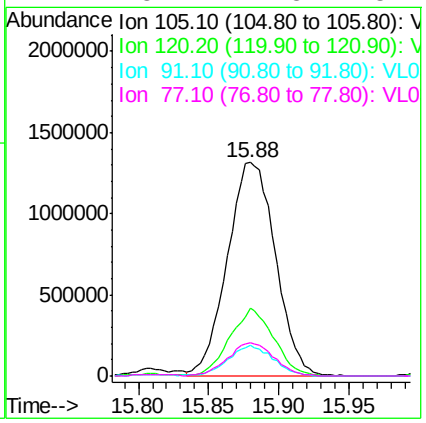


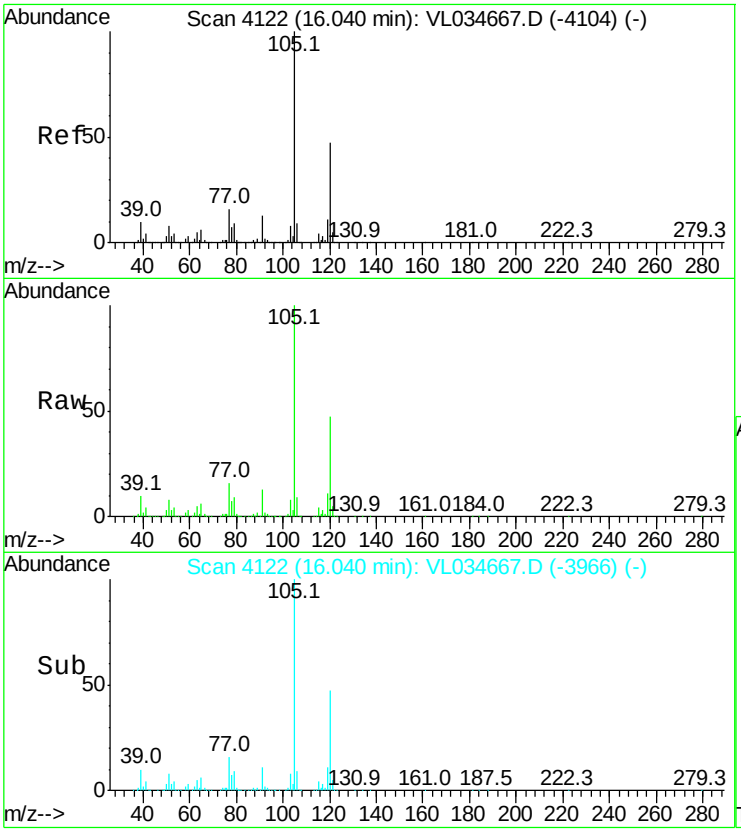


#72
4-Ethyltoluene
Concen: 9.259 ppbv
RT: 15.88 min Scan# 4072
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:105 Resp: 3120431

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
91	13.3	10.9	16.3
77	15.1	12.5	18.7



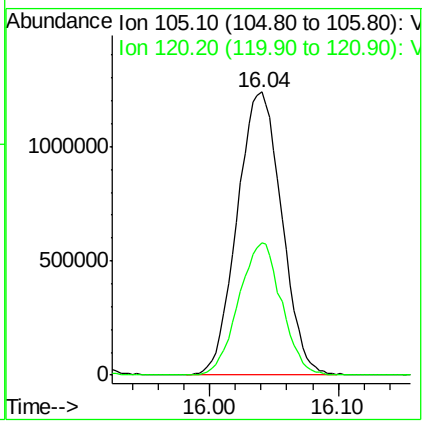


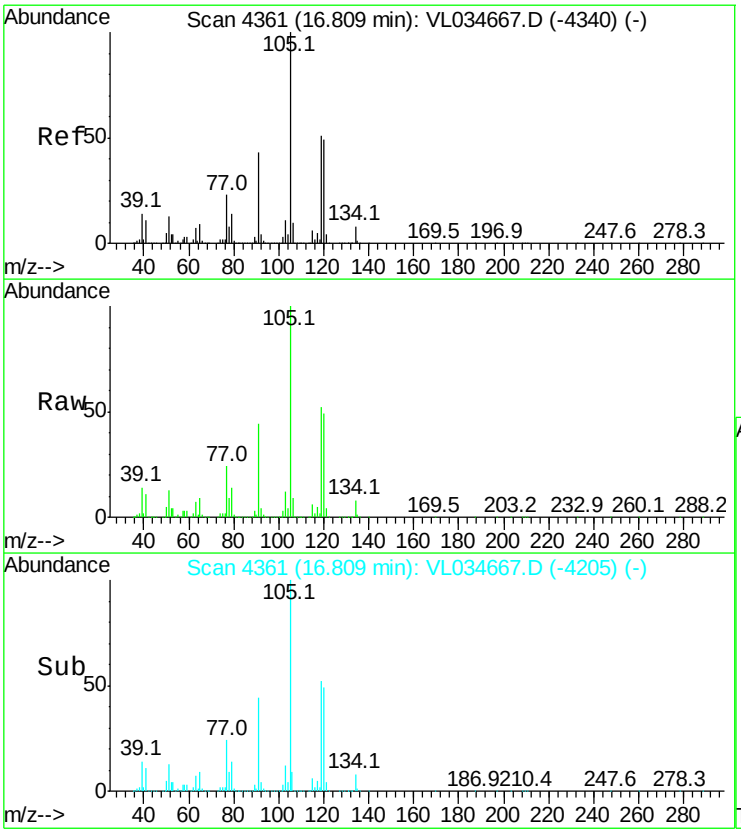
#73
1,3,5-Trimethylbenzene
Concen: 9.012 ppbv
RT: 16.04 min Scan# 4122
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 2967772

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.2	55.8

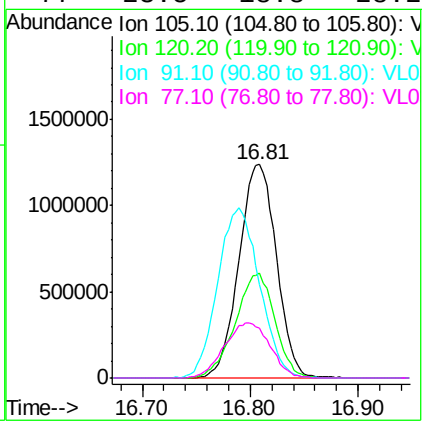


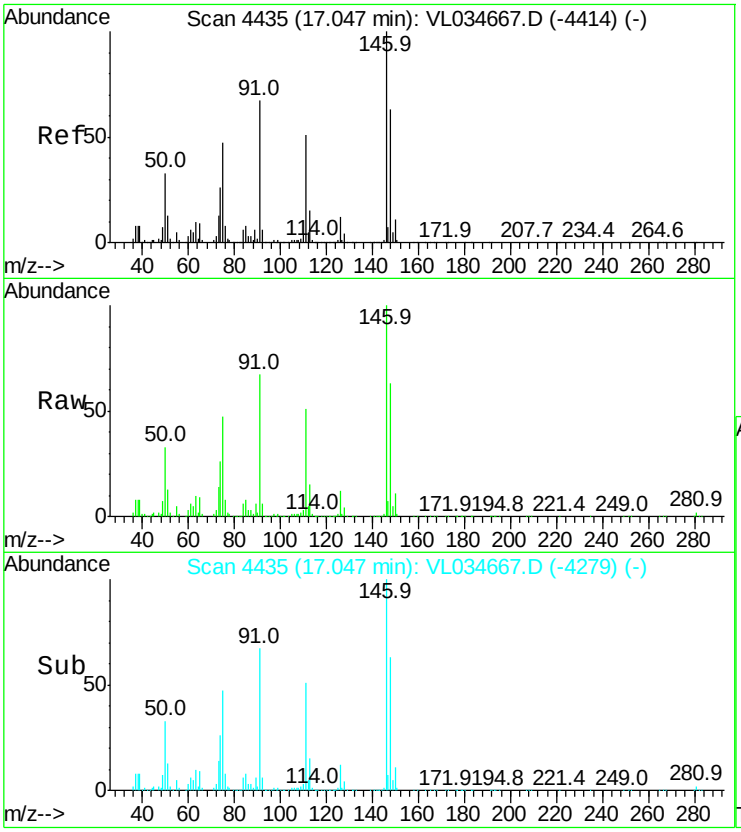


#74
1,2,4-Trimethylbenzene
Concen: 8.204 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:105 Resp: 2991039

Ion	Ratio	Lower	Upper
105	100		
120	49.2	39.4	59.0
91	43.9	35.1	52.7
77	23.5	18.8	28.2



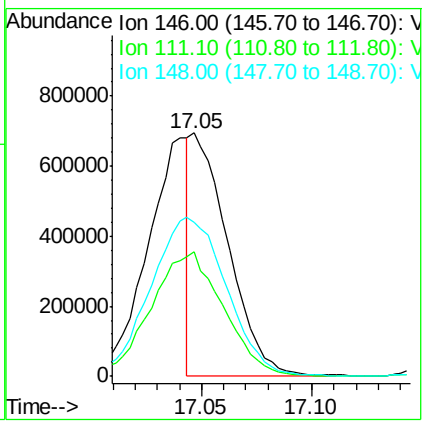


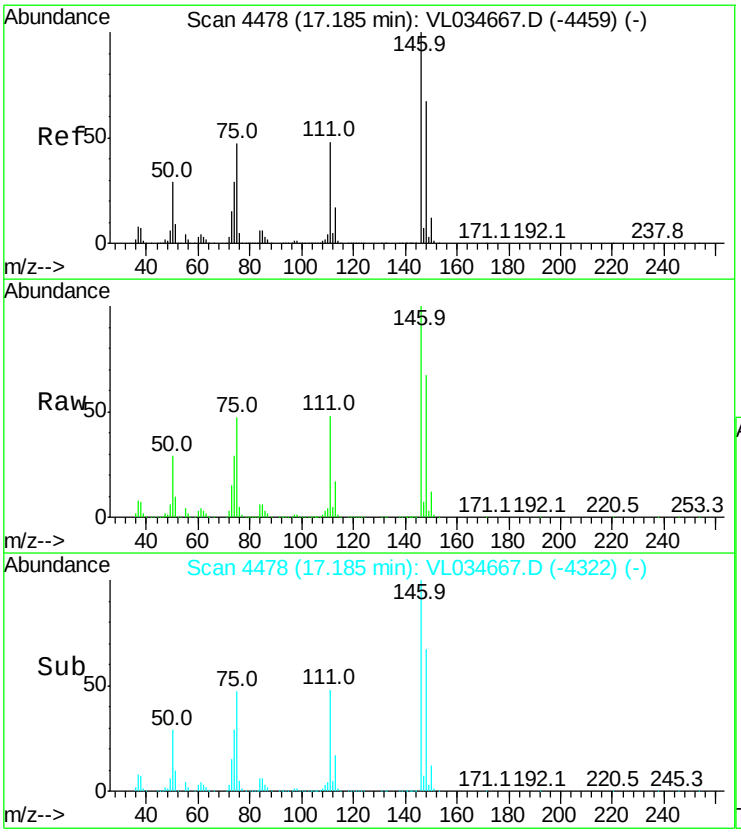
#75
1,3-Dichlorobenzene
Concen: 3.823 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 802496

Ion	Ratio	Lower	Upper
146	100		
111	101.4	24.0	72.0#
148	135.8	32.1	96.5#

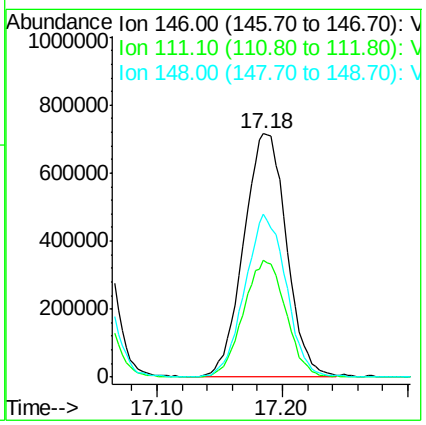


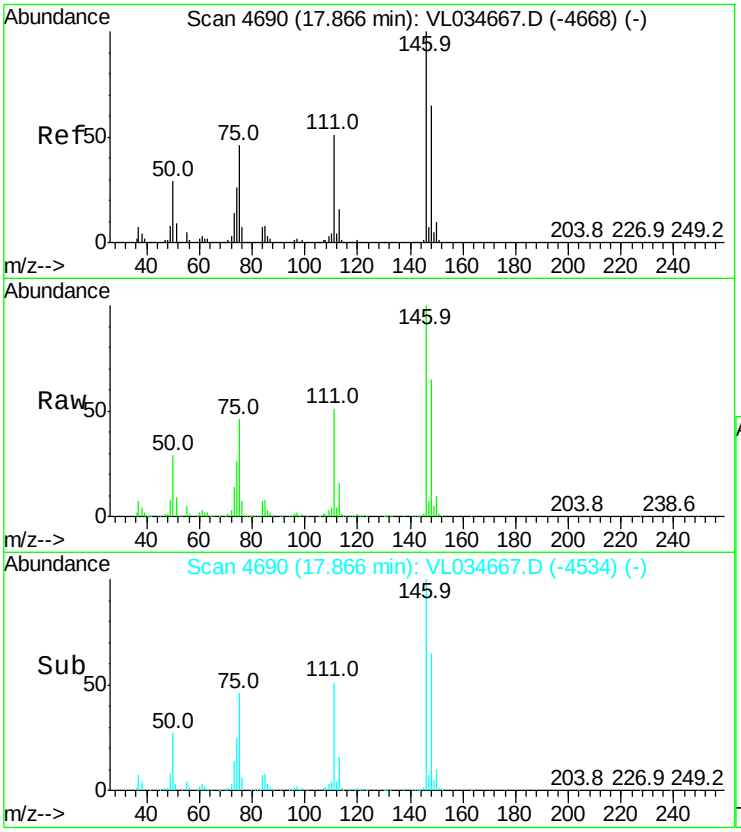


#76
1,4-Dichlorobenzene
Concen: 8.222 ppbv
RT: 17.18 min Scan# 4478
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:146 Resp: 1701162

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.8	71.2
148	64.3	32.3	96.9



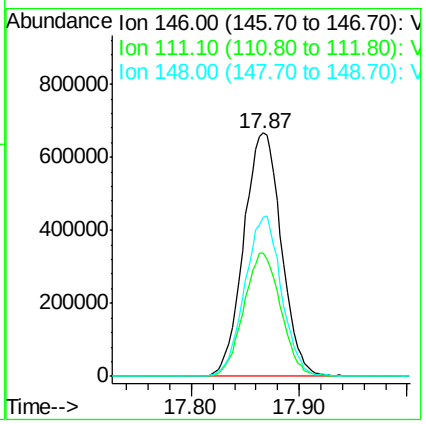


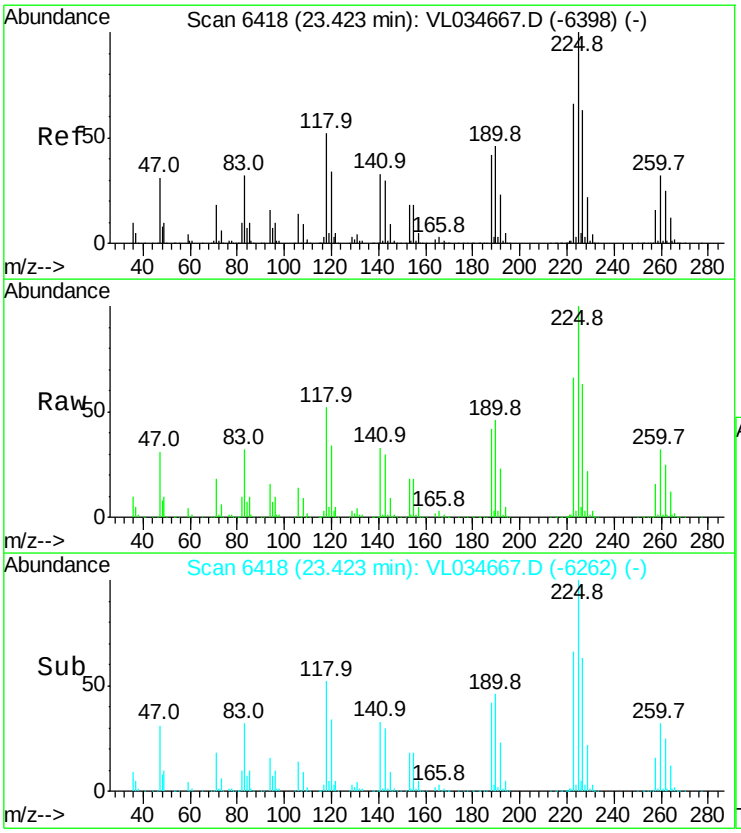
#77
1,2-Dichlorobenzene
Concen: 8.011 ppbv
RT: 17.87 min Scan# 4690
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1615525

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.9	74.7
148	64.4	32.1	96.3

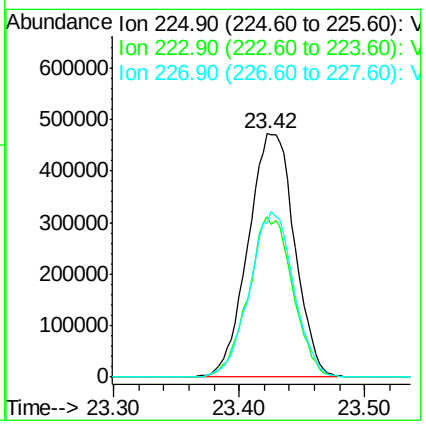


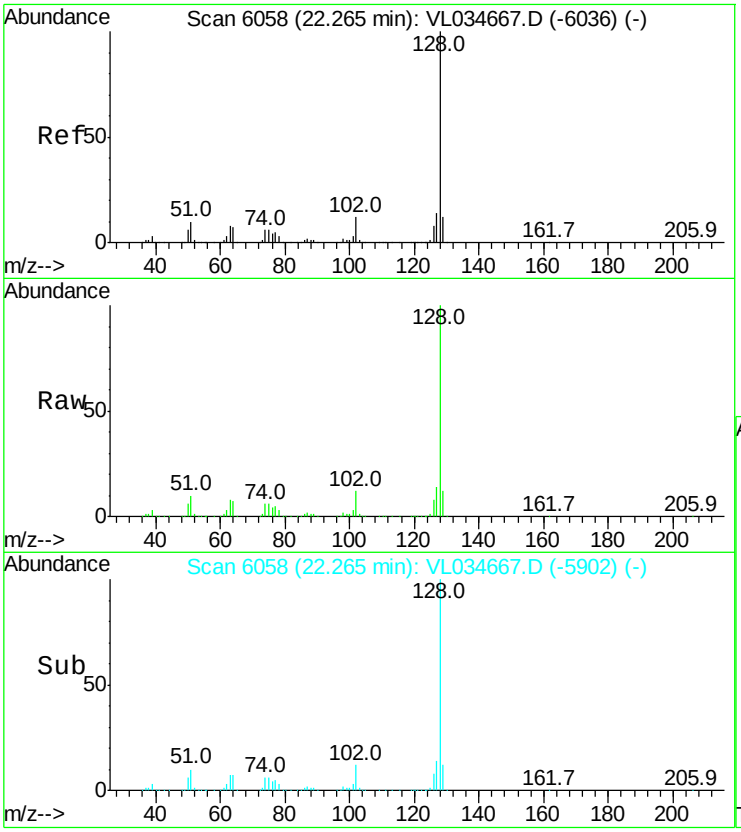


#78
Hexachloro-1,3-Butadiene
Concen: 6.311 ppbv
RT: 23.42 min Scan# 6418
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:225 Resp: 1217052

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.8	51.8	77.8



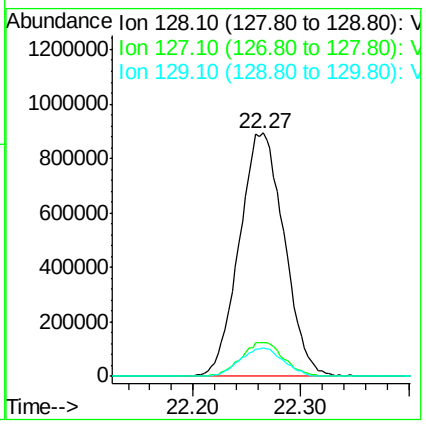


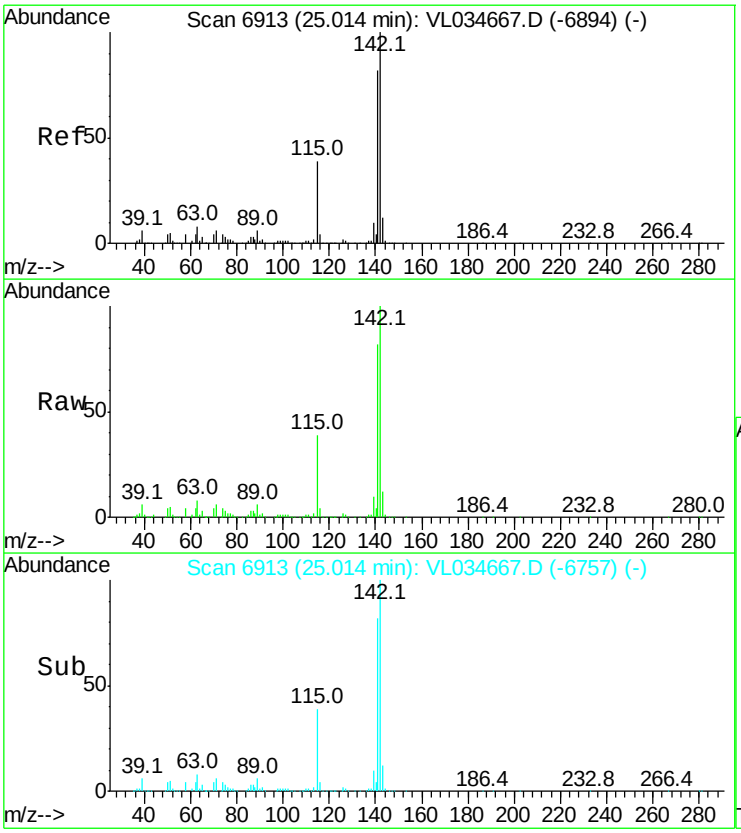
#79
Naphthalene
Concen: 8.990 ppbv
RT: 22.27 min Scan# 6058
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 2580409

Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	11.9	9.5	14.3

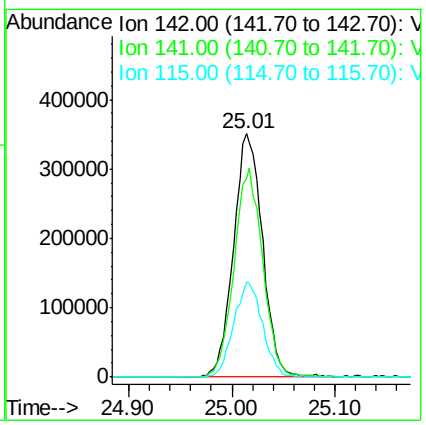


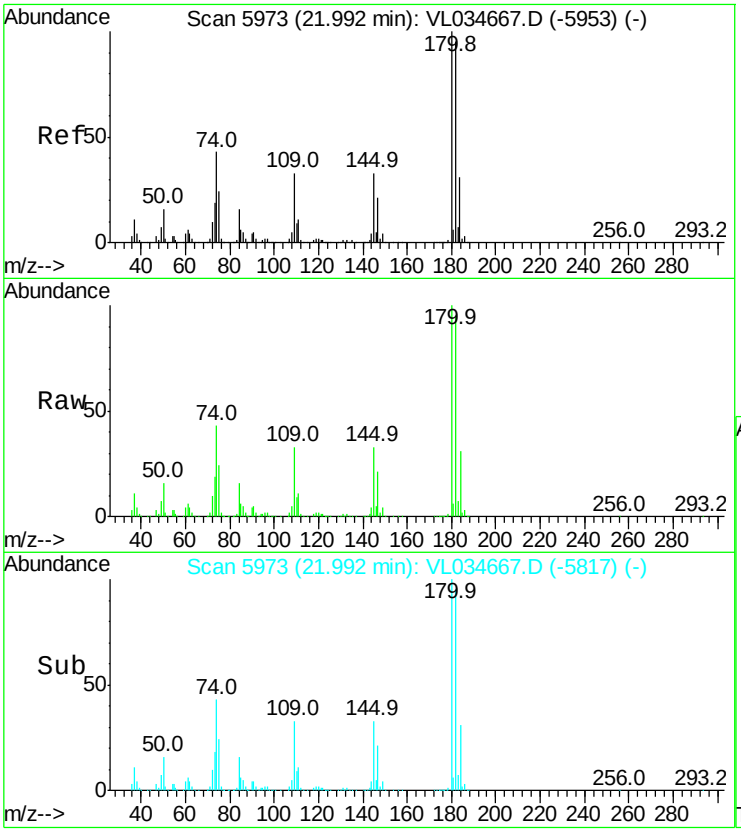


#80
Naphthalene,2-methyl-
Concen: 6.232 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Tgt Ion:142 Resp: 688162

Ion	Ratio	Lower	Upper
142	100		
141	85.3	68.1	102.1
115	38.9	31.0	46.6





#81
1,2,4-Trichlorobenzene
Concen: 8.103 ppbv
RT: 21.99 min Scan# 5973
Delta R.T. 0.00 min
Lab File: VL034667.D
Acq: 25 Feb 2020 11:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1433846

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.7	116.5
184	31.6	25.3	37.9