Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021920\

Quantitation Report (Not Reviewed)

Data File : VL034648.D
Acq On : 19 Feb 2020 11:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Feb 20 06:48:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	932221	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1896160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1966441	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1694734	10.20	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1456082	7.092	ppbv	94
3) Chlorodifluoromethane	2.95	51	1156710	10.269	ppbv	100
4) Chloromethane	3.10	50	698092	10.129	ppbv	99
5) Vinyl Chloride	3.22	62	674128	10.240	ppbv	99
6) Bromomethane	3.44	94	370136	10.810	ppbv	95
7) Chloroethane	3.52	64	256027	10.458	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1648519	10.272	ppbv	100
9) Propene	2.97	41	431056	9.828	ppbv	99
10) Heptane	8.13	43	1190140	10.783	ppbv	98
11) Trichlorofluoromethane	3.92	101	1952003	10.465	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1313491	10.793	ppbv	98
13) Ethanol	3.57	45	118467	10.084	ppbv	98
14) Bromoethene	3.71	108	525608	11.010	ppbv	99
15) Acetone	3.82	43	1364575	9.960	ppbv	99
16) 1,3-Butadiene	3.29	39	605770	11.134	ppbv	100
17) tert-Butyl alcohol	4.27	59	1307634	12.978	ppbv	99
18) 1,1-Dichloroethene	4.26	96	582790	11.344	ppbv	98
19) Isopropyl Alcohol	3.94	45	991632	12.403	ppbv	100
20) Methylene Chloride	4.32	84	507774	9.733	ppbv	95
21) Allyl Chloride	4.39	41	930046	10.930	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	587289	10.916	ppbv	96
23) Vinyl Acetate	5.06	43	1649427	10.552	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1362387	10.439	ppbv	99
25) Ethyl Acetate	5.66	43	2266833	10.220	ppbv	99
26) Hexane	5.68	57	956377	10.294	ppbv	100
27) Carbon Disulfide	4.53	76	1489190	11.879	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1696332	10.706	ppbv	100
29) Chloroform	5.75	83	1683159	10.246	ppbv	97
30) Cyclohexane	7.13	84	758332	11.015	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1040853	10.783	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1766620	10.015	ppbv	100
34) 2-Butanone	5.23	43	1391599	10.108	ppbv	99
35) Carbon Tetrachloride	7.02	117	1930130	10.647	ppbv	95
36) Benzene	6.90	78	1824364	10.819	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1500361	10.665	ppbv	100
38) Trichloroethene	7.84	130	801756	11.280	ppbv	95
39) 1,2-Dichloropropane	7.62	63	742765	10.626	ppbv	95
40) 1,4-Dioxane	7.84	88	298318	11.102	ppbv #	1
41) Tetrahydrofuran	6.04	42	752595	10.478	ppbv	98
42) Bromodichloromethane	7.80	83	1860897	10.747	ppbv	99
43) Methyl Methacrylate	8.02	69	757091	11.163	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021920\

Quantitation Report (Not Reviewed)

Data File : VL034648.D
Acq On : 19 Feb 2020 11:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Feb 20 06:48:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3244075	10.603	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	1097861	12.362	ppbv		98
46) cis-1,3-Dichloropropene	8.72	75	1221474	12.101	ppbv		97
47) 1,1,2-Trichloroethane	9.49	97	803854	10.617	ppbv		97
48) Dibromochloromethane	10.33	129	1591756	11.473	ppbv		100
49) Bromoform	13.07	173	1401576	11.506	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	2133175	10.865	ppbv		100
51) 2-Hexanone	10.15	43	1750885	11.328	ppbv		99
52) Tetrachloroethene	11.25	164	729659	10.772	ppbv		98
53) Toluene	9.82	91	2160349	11.662	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1240514	10.934	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1058788	10.906	ppbv		98
57) Chlorobenzene	12.18	112	1750348	10.817	ppbv		98
58) Ethyl Benzene	12.74	91	2983279	11.337	ppbv		96
59) m/p-Xylene	13.02	91	2642516	11.360	ppbv	#	37
60) o-Xylene	13.72	91	2562482	10.969	ppbv		100
61) Styrene	13.56	104	1850521	11.880	ppbv		98
62) Isopropylbenzene	14.70	105	3298694	10.897	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1781766	9.862	ppbv		99
64) n-propylbenzene	15.59	120	855628	10.986	ppbv		93
65) tert-Butylbenzene	16.78	119	3016742	11.000	ppbv		99
66) Benzyl Chloride	17.03	91	1457847	12.677	ppbv		100
67) sec-Butylbenzene	17.33	105	4102340	10.884	ppbv		99
69) p-Isopropyltoluene	17.69	119	3425879	11.194	ppbv		100
70) n-Butylbenzene	18.59	91	3572568	10.997	ppbv		99
71) 2-Chlorotoluene	15.49	91	2533059	11.023	ppbv		99
72) 4-Ethyltoluene	15.88	105	2900472	11.303	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	2789261	11.124	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	2951544	10.633	ppbv		95
75) 1,3-Dichlorobenzene	17.04	146	1649016	10.317	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1634952	10.379	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	1562863	10.179	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1473620	10.037	ppbv		99
79) Naphthalene	22.26	128	2491437	11.401	ppbv		98
80) Naphthalene,2-methyl-	25.01	142	1327745	15.793	ppbv		100
81) 1,2,4-Trichlorobenzene	21.99	180	754580	5.601	ppbv	#	10

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

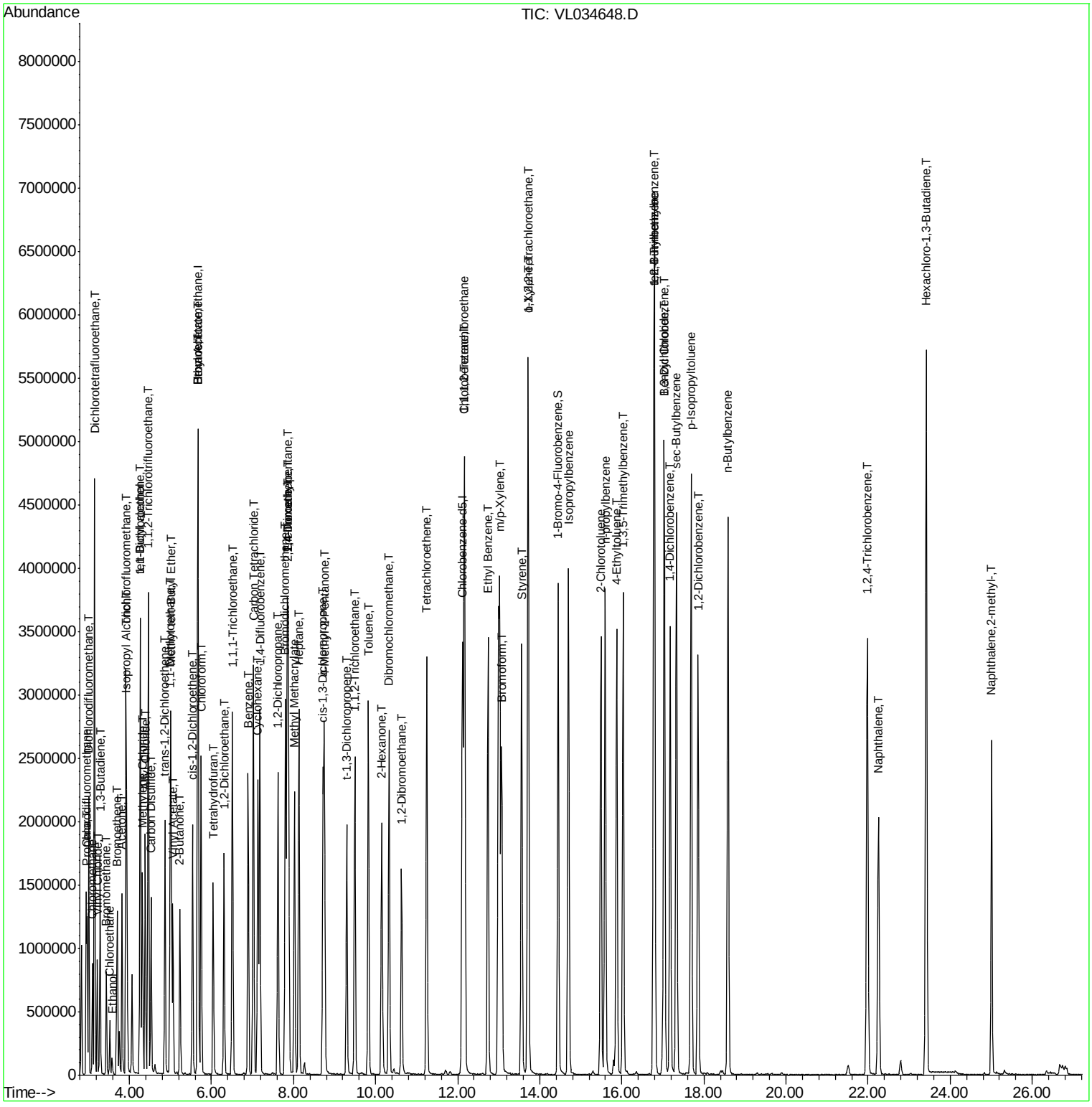
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021920\

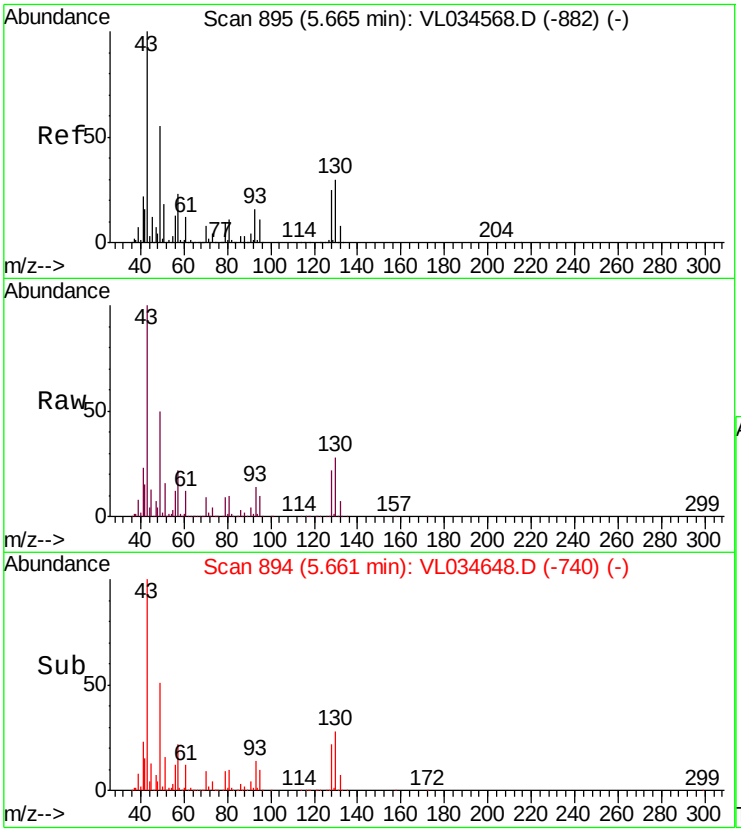
Quantitation Report (Not Reviewed)

Data File : VL034648.D
Acq On : 19 Feb 2020 11:08
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Feb 20 06:48:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



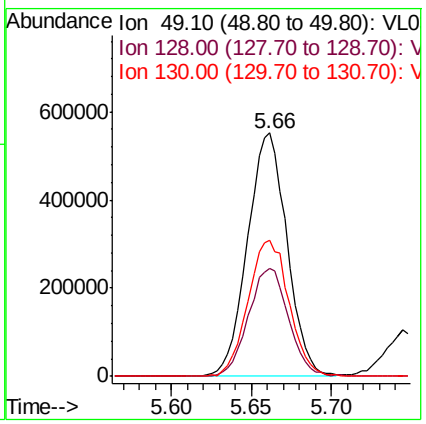


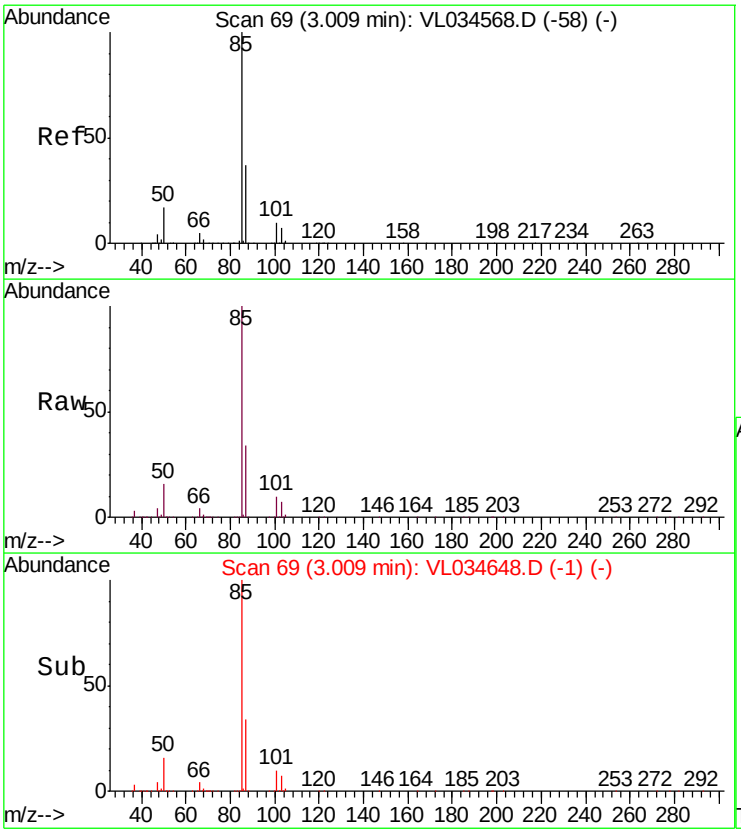
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 932221

Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.7	68.1
130	58.0	28.6	85.8

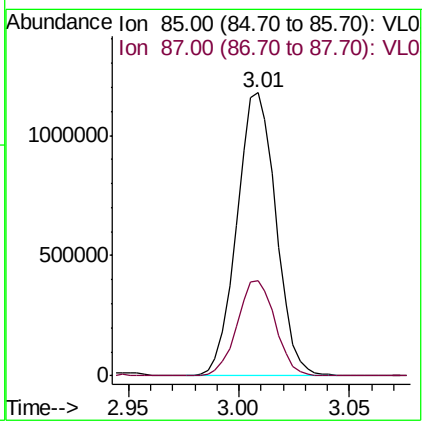


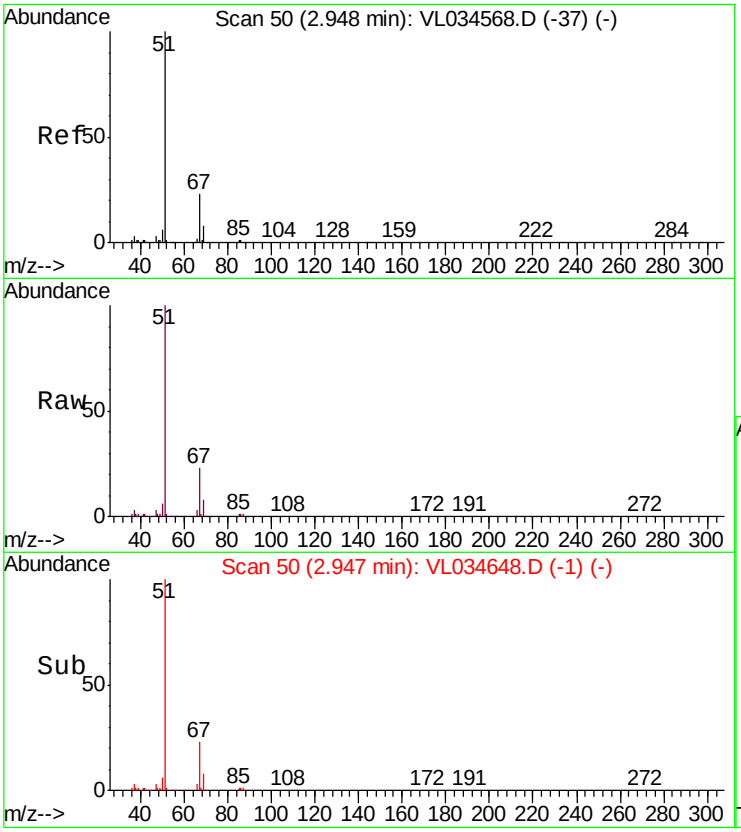


#2
Dichlorodifluoromethane
Concen: 7.092 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 85 Resp: 1456082

Ion	Ratio	Lower	Upper
85	100		
87	33.6	29.5	44.3



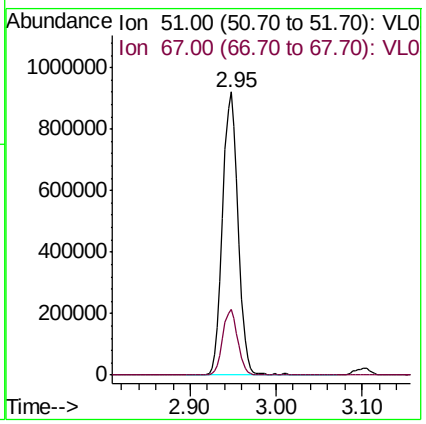


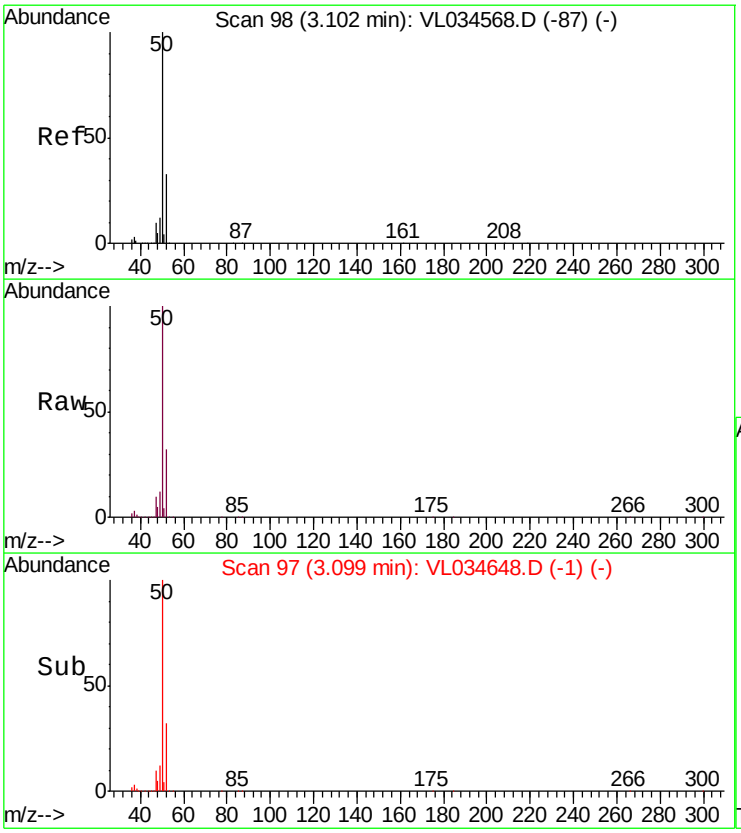
#3
Chlorodifluoromethane
Concen: 10.269 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1156710

Ion	Ratio	Lower	Upper
51	100		
67	22.5	17.8	26.8

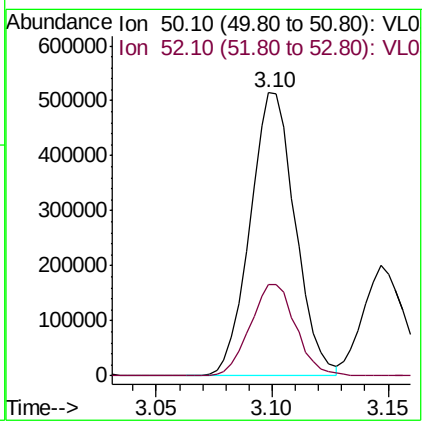


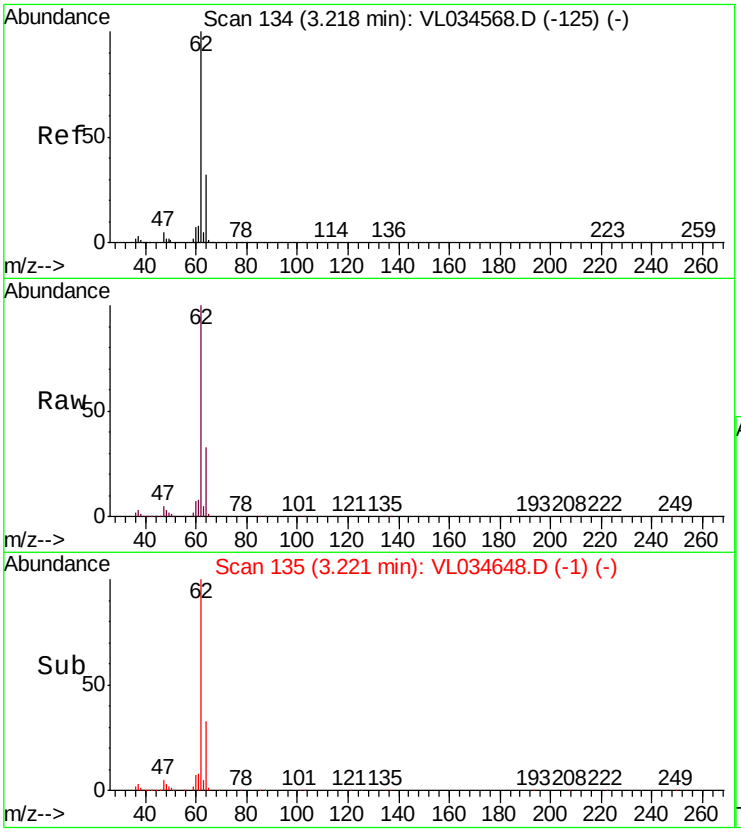


#4
Chloromethane
Concen: 10.129 ppbv
RT: 3.10 min Scan# 97
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 50 Resp: 698092

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.6	39.8



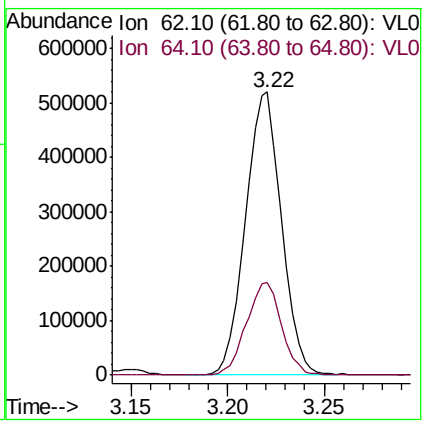


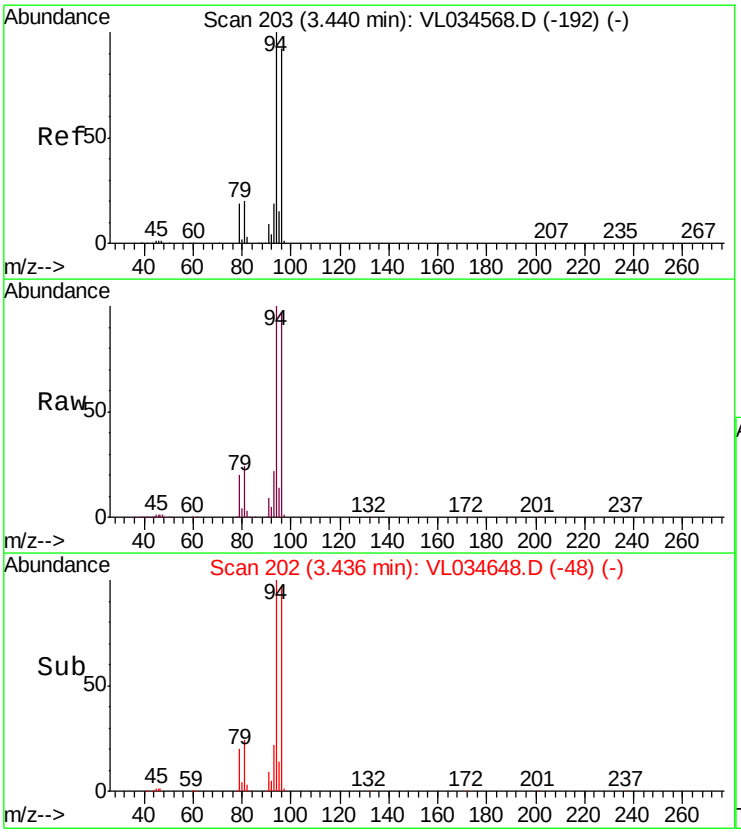
#5
Vinyl Chloride
Concen: 10.240 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 674128

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.8	38.6

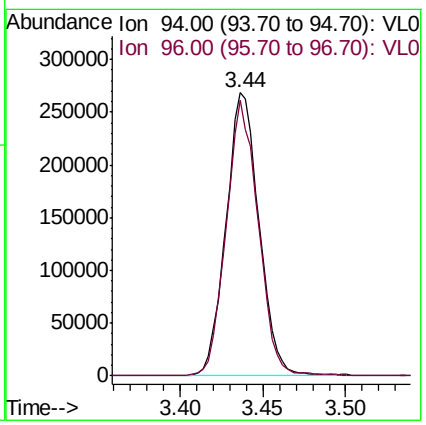


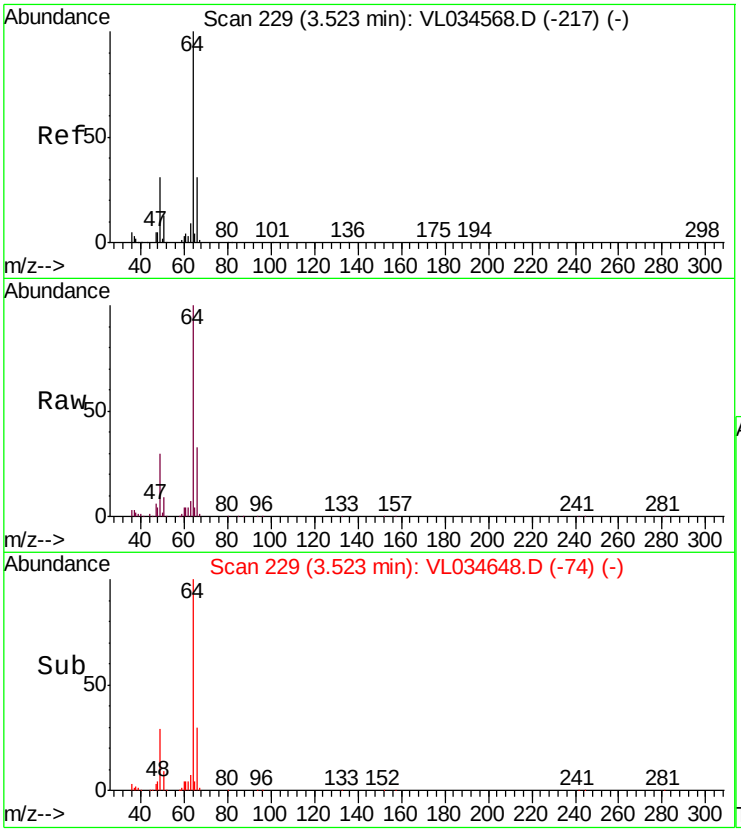


#6
Bromomethane
Concen: 10.810 ppbv
RT: 3.44 min Scan# 202
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 94 Resp: 370136

Ion	Ratio	Lower	Upper
94	100		
96	97.4	73.8	110.8



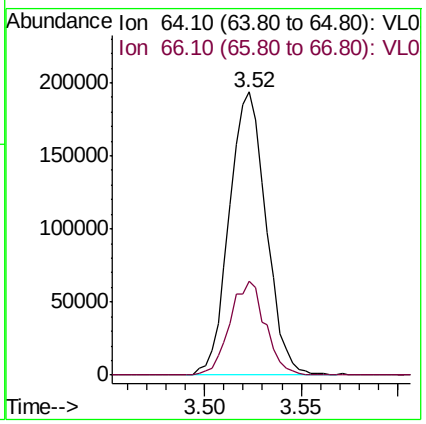


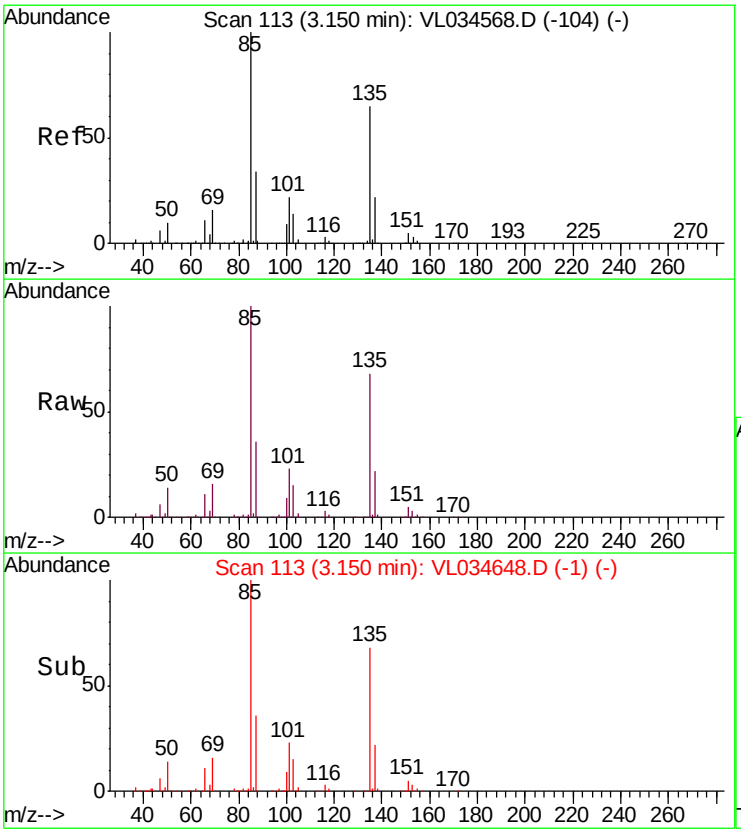
#7
Chloroethane
Concen: 10.458 ppbv
RT: 3.52 min Scan# 229
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 256027

Ion	Ratio	Lower	Upper
64	100		
66	33.4	25.0	37.4

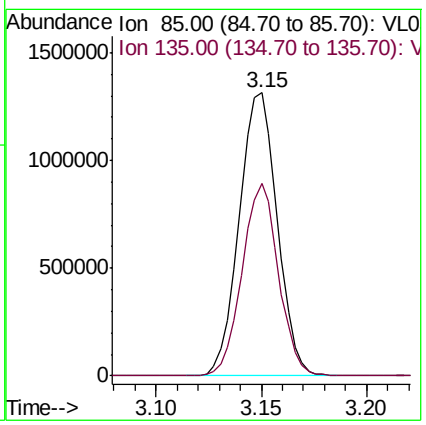


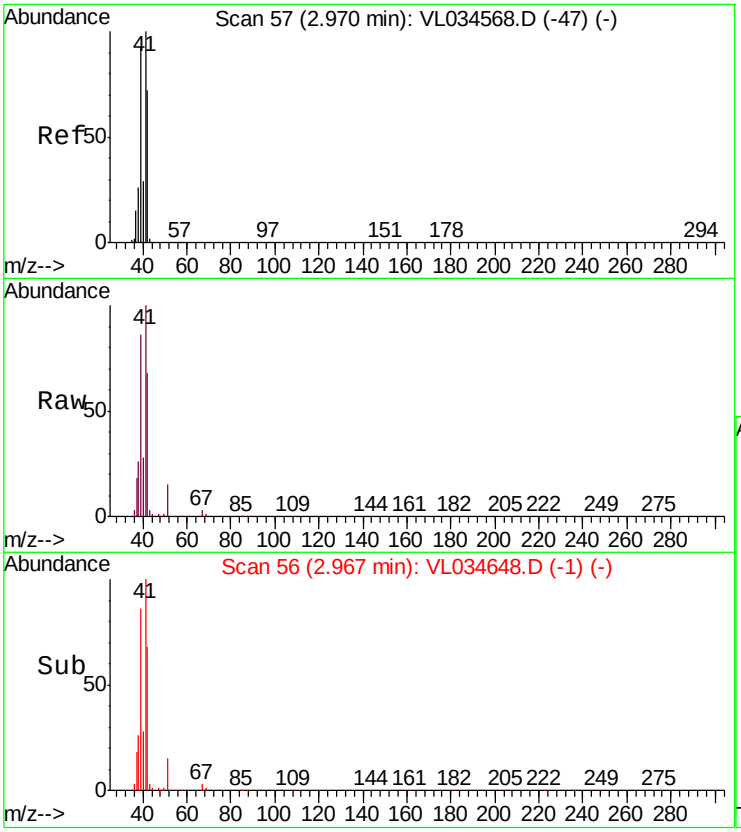


#8
Dichlorotetrafluoroethane
Concen: 10.272 ppbv
RT: 3.15 min Scan# 113
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 85 Resp: 1648519

Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.2	78.2



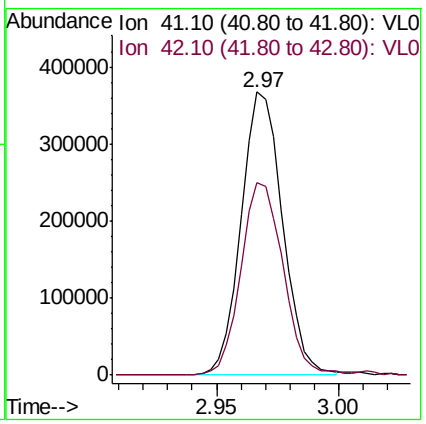


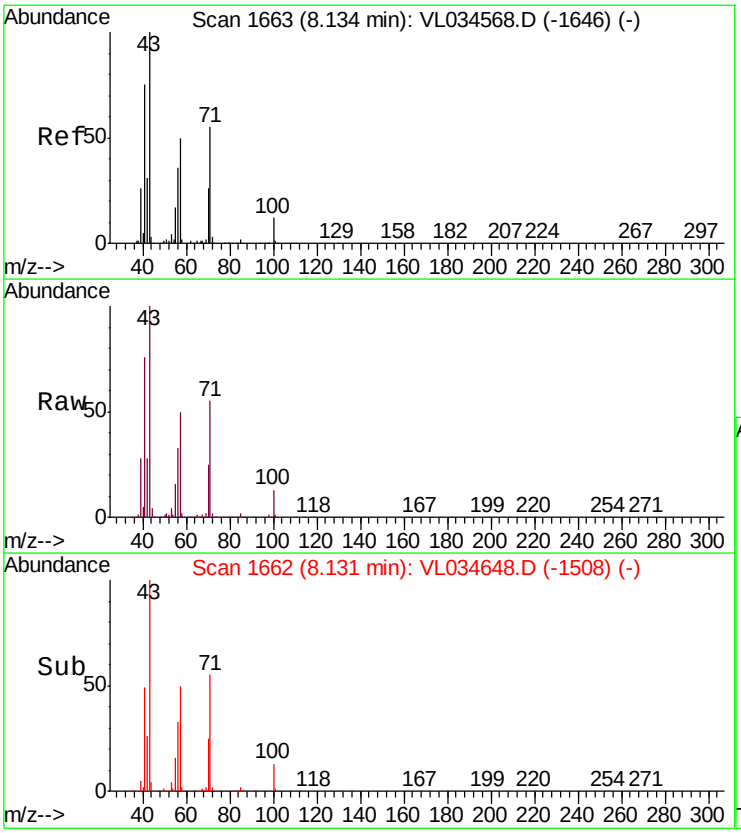
#9
Propene
Concen: 9.828 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 431056

Ion	Ratio	Lower	Upper
41	100		
42	70.1	57.0	85.4

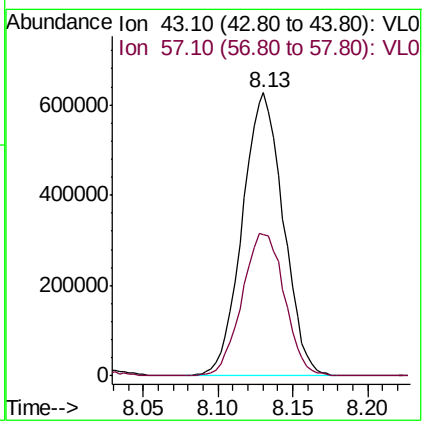


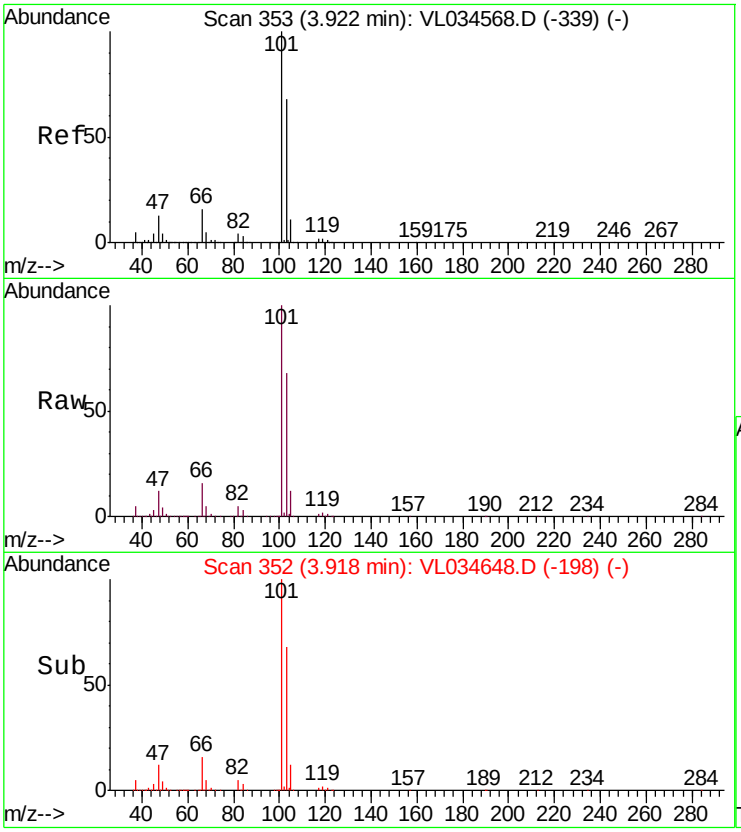


#10
Heptane
Concen: 10.783 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 43 Resp: 1190140

Ion	Ratio	Lower	Upper
43	100		
57	52.6	41.2	61.8



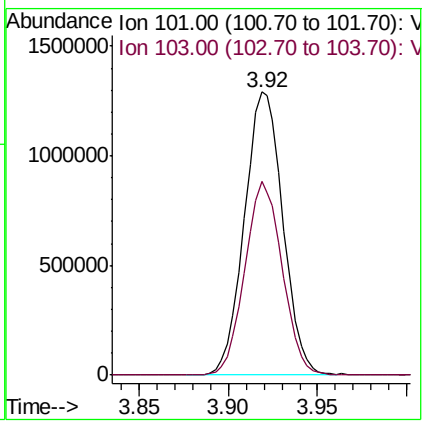


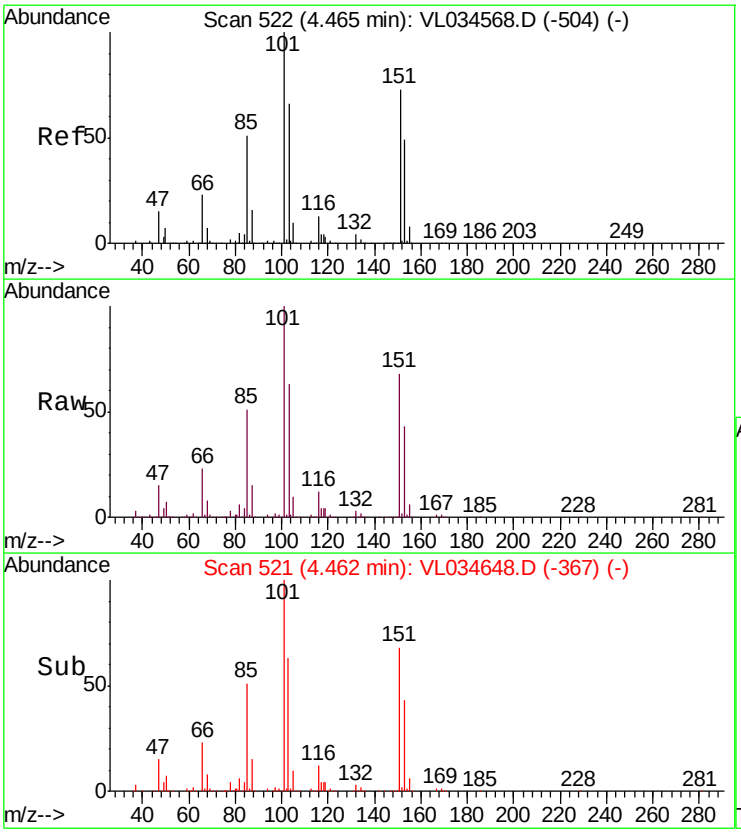
#11
Trichlorofluoromethane
Concen: 10.465 ppbv
RT: 3.92 min Scan# 352
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1952003

Ion	Ratio	Lower	Upper
101	100		
103	68.5	54.4	81.6

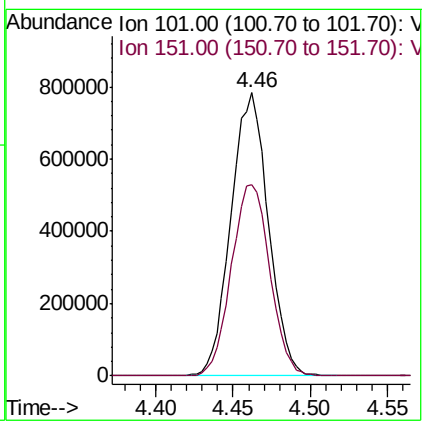


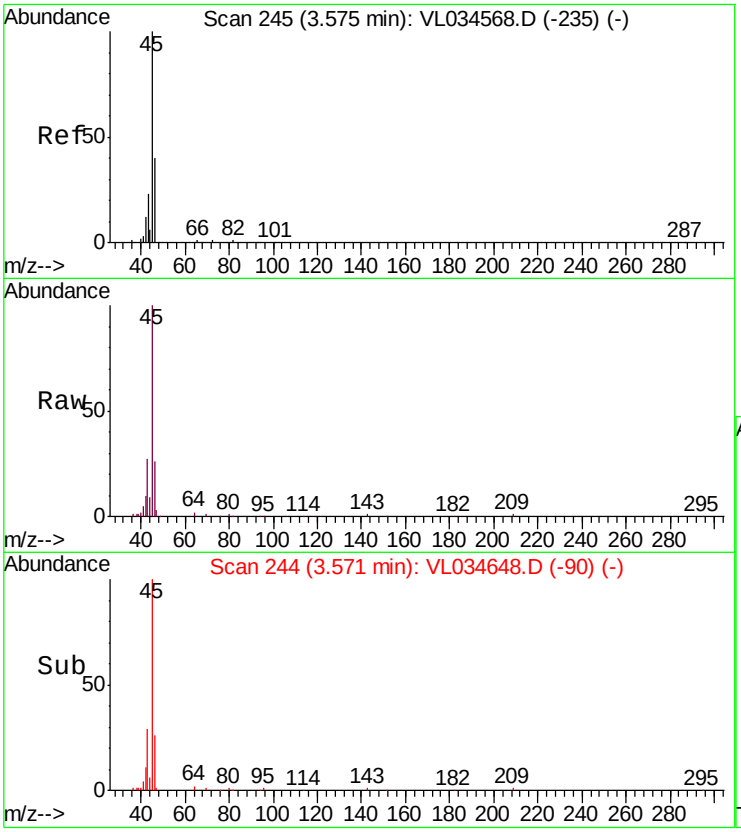


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.793 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:101 Resp: 1313491

Ion	Ratio	Lower	Upper
101	100		
151	69.8	57.0	85.6



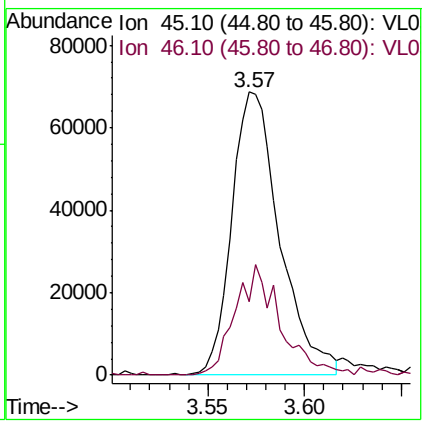


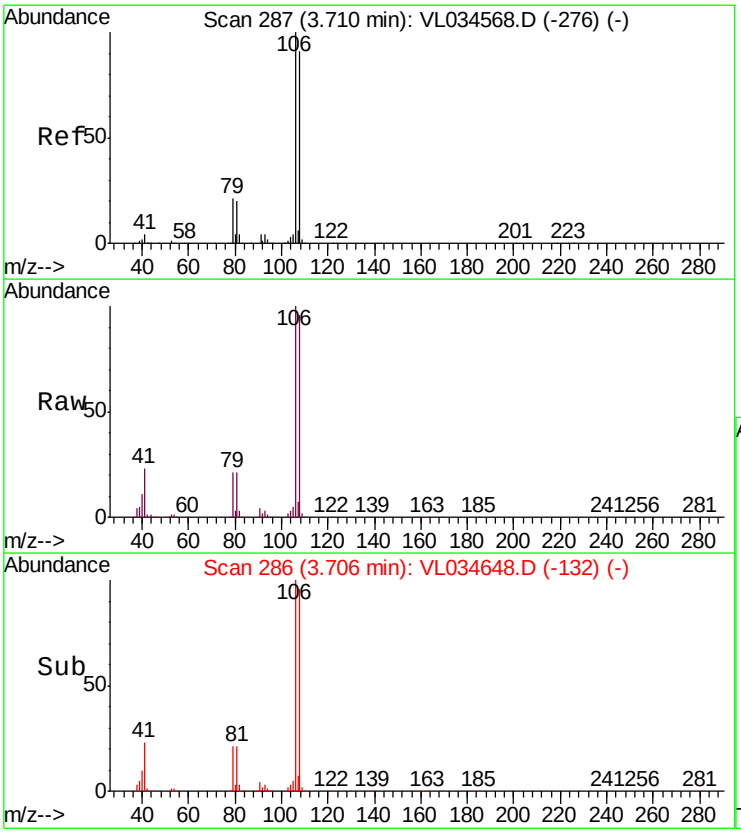
#13
Ethanol
Concen: 10.084 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 118467

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.8	59.2

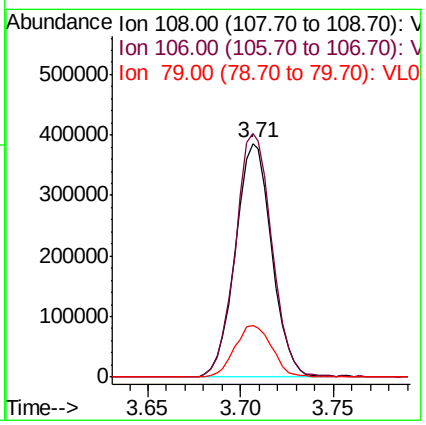


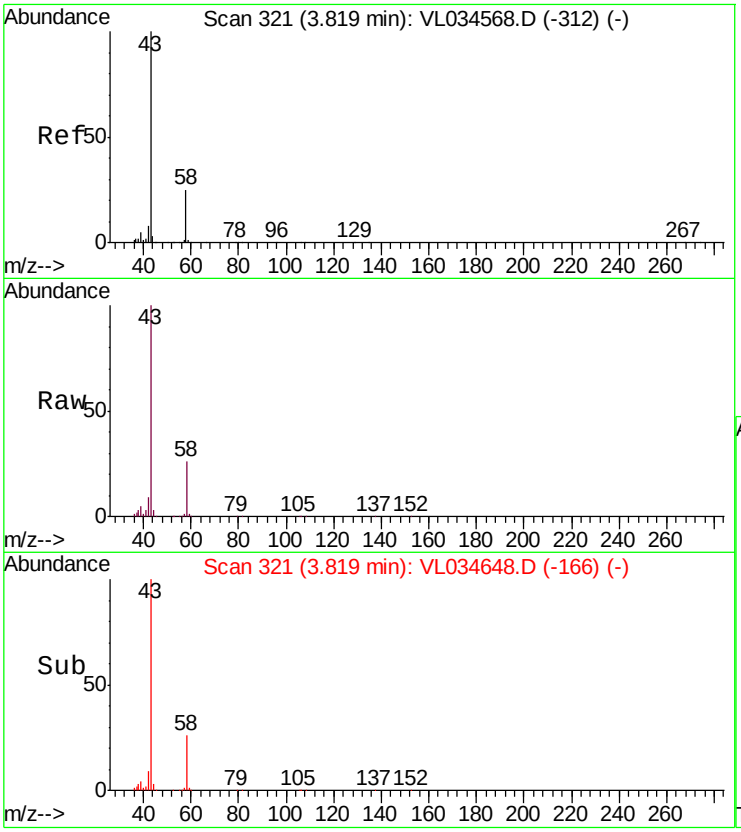


#14
Bromoethene
Concen: 11.010 ppbv
RT: 3.71 min Scan# 286
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:108 Resp: 525608

Ion	Ratio	Lower	Upper
108	100		
106	105.4	84.6	127.0
79	23.2	18.2	27.2



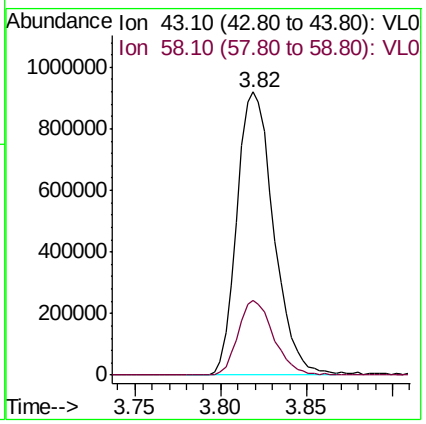


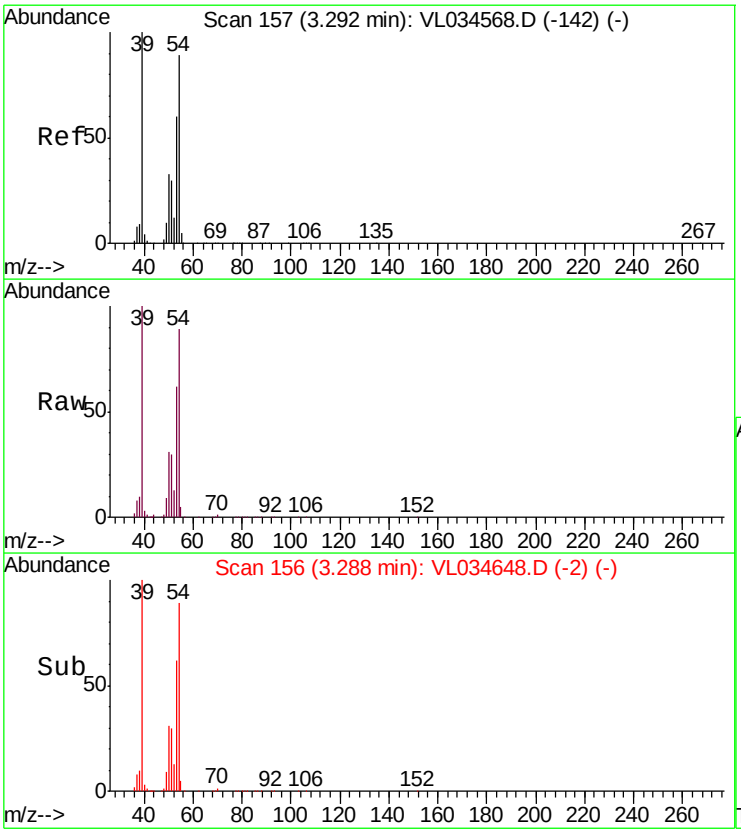
#15
Acetone
Concen: 9.960 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1364575

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.3	30.5

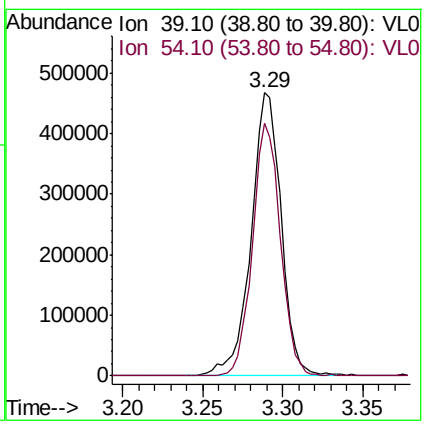


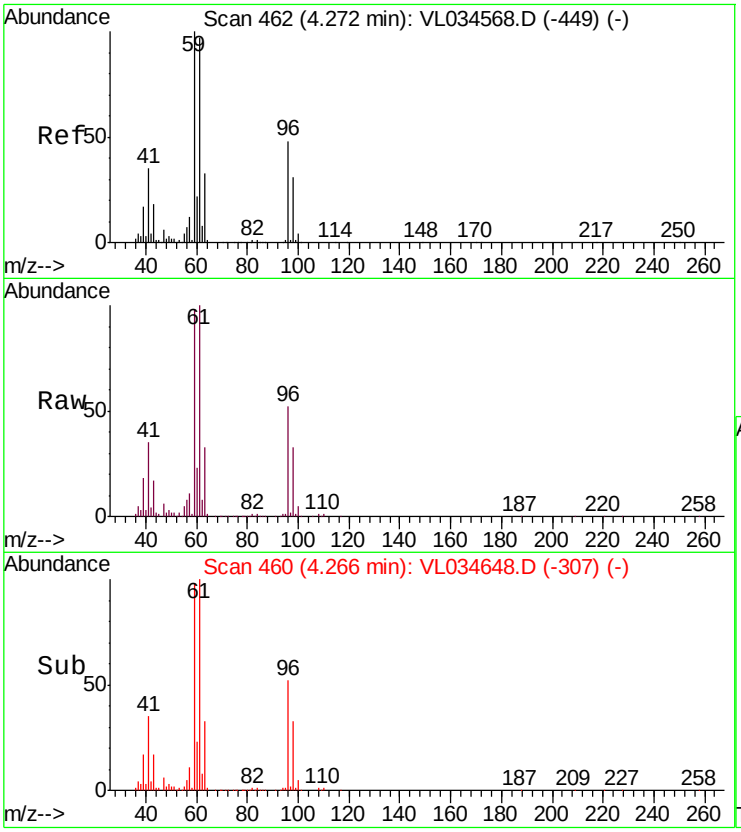


#16
1,3-Butadiene
Concen: 11.134 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 39 Resp: 605770

Ion	Ratio	Lower	Upper
39	100		
54	83.1	66.7	100.1



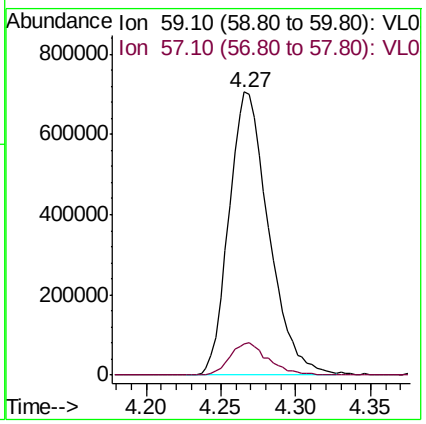


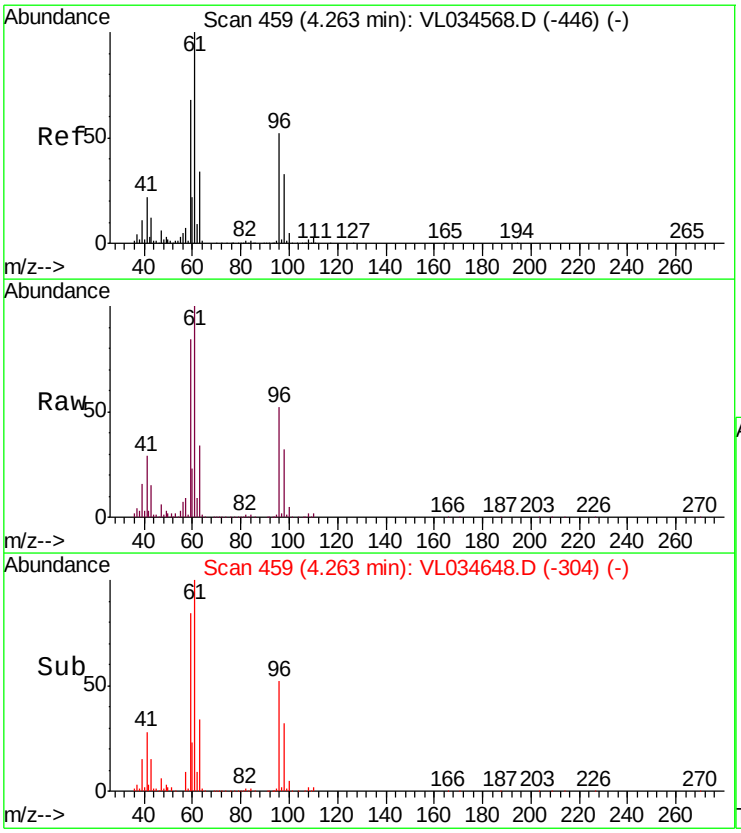
#17
tert-Butyl alcohol
Concen: 12.978 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1307634

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.7	13.1

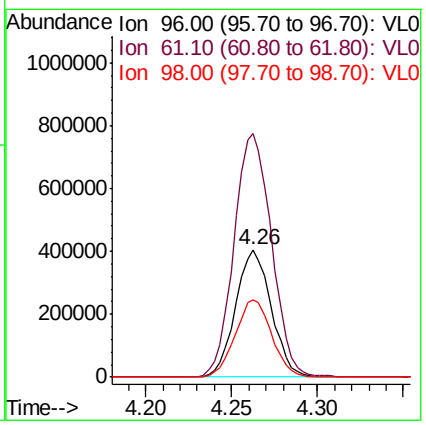


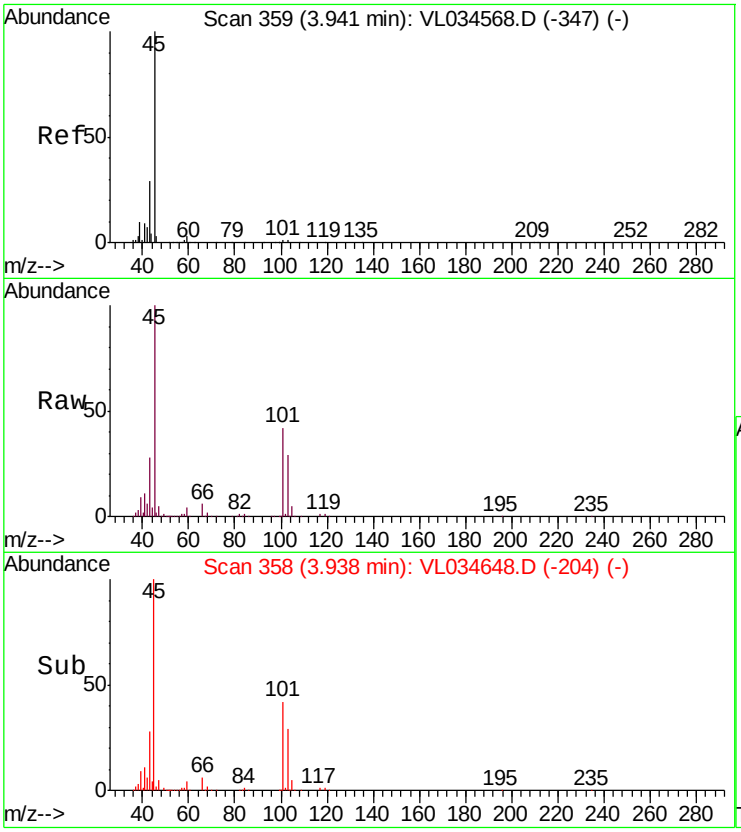


#18
1,1-Dichloroethene
Concen: 11.344 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 96 Resp: 582790

Ion	Ratio	Lower	Upper
96	100		
61	191.3	154.5	231.7
98	61.1	50.3	75.5



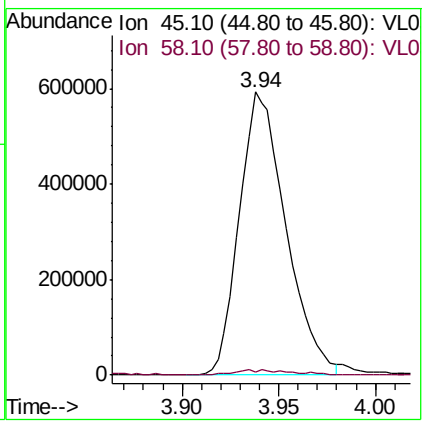


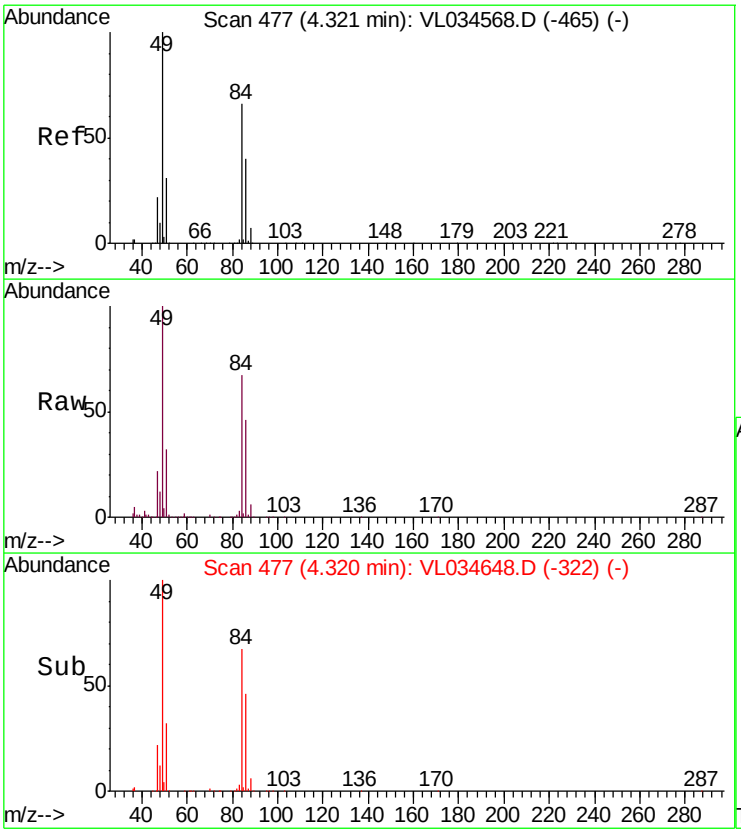
#19
Isopropyl Alcohol
Concen: 12.403 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 991632

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.7	2.5

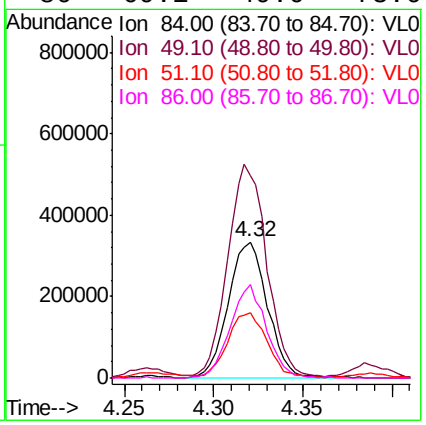


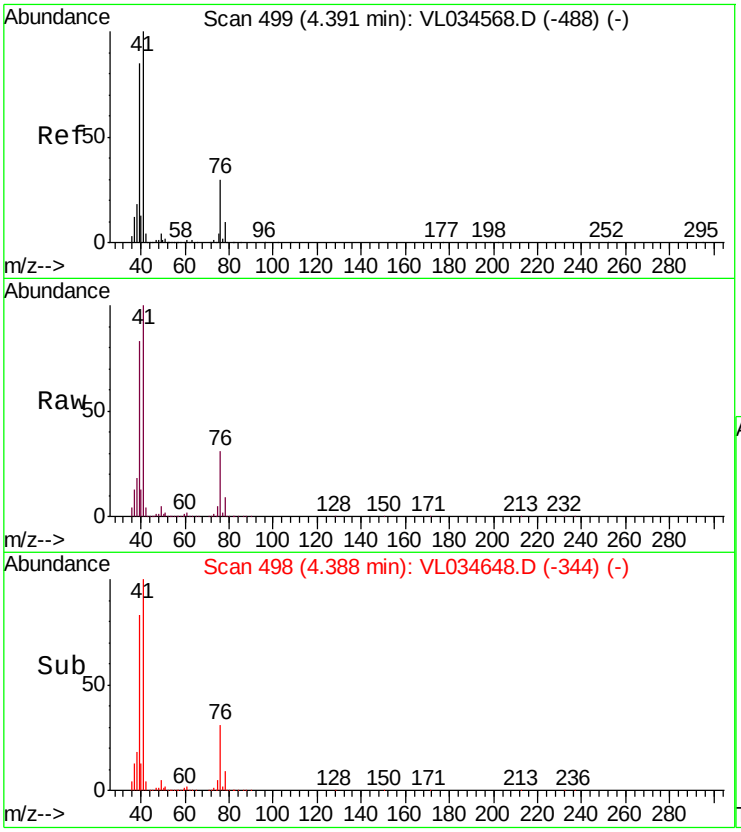


#20
Methylene Chloride
Concen: 9.733 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 84 Resp: 507774

Ion	Ratio	Lower	Upper
84	100		
49	147.8	122.4	183.6
51	47.0	38.6	57.8
86	69.1	49.0	73.6



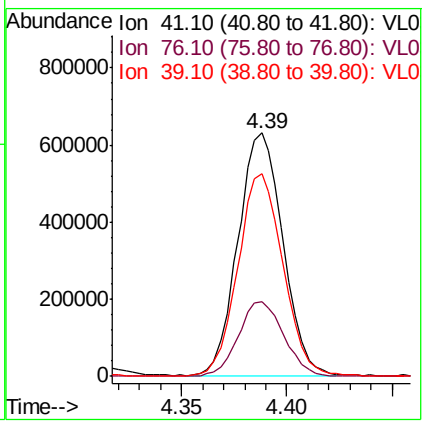


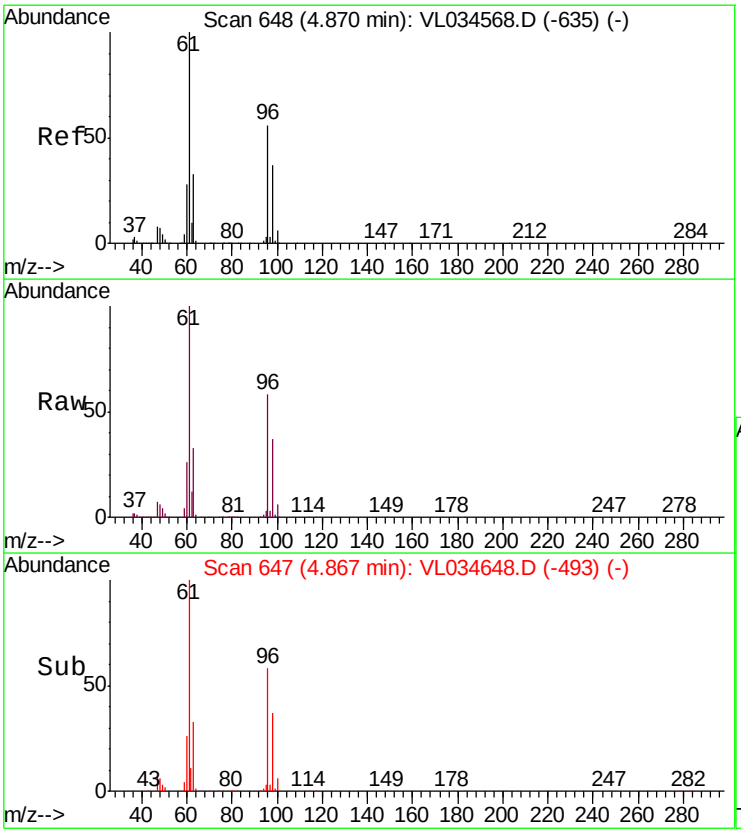
#21
Allyl Chloride
Concen: 10.930 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 930046

Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.2	36.2
39	84.1	68.3	102.5

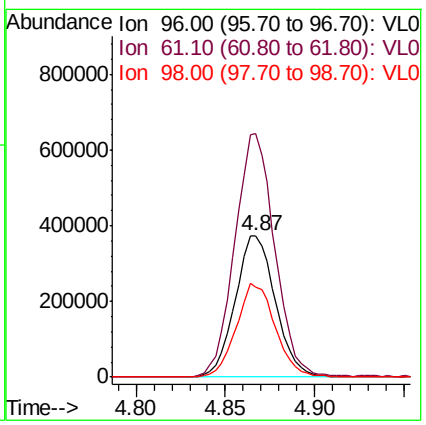


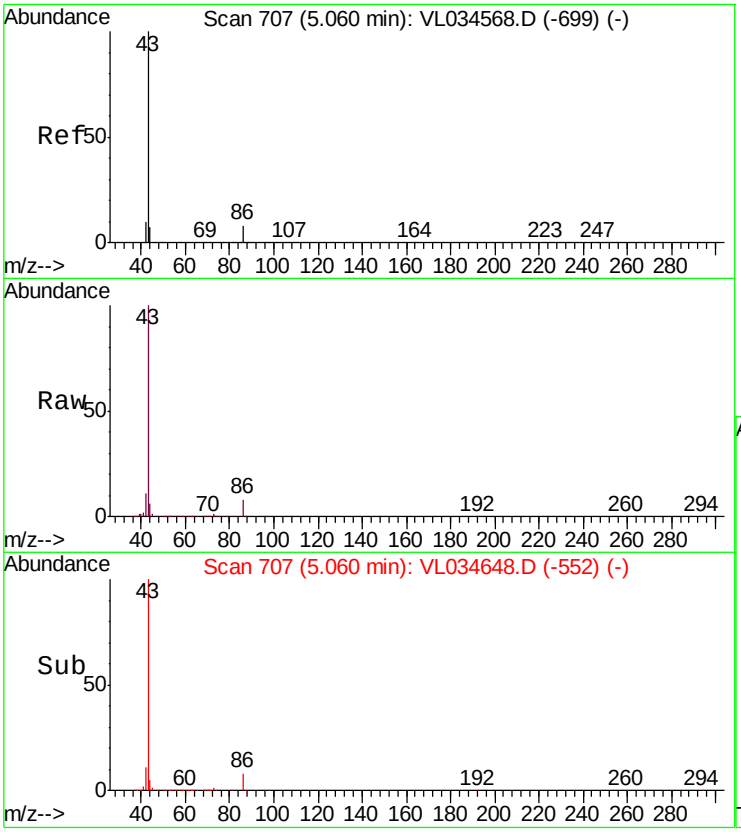


#22
trans-1,2-Dichloroethene
Concen: 10.916 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 96 Resp: 587289

Ion	Ratio	Lower	Upper
96	100		
61	172.3	141.9	212.9
98	63.7	53.1	79.7



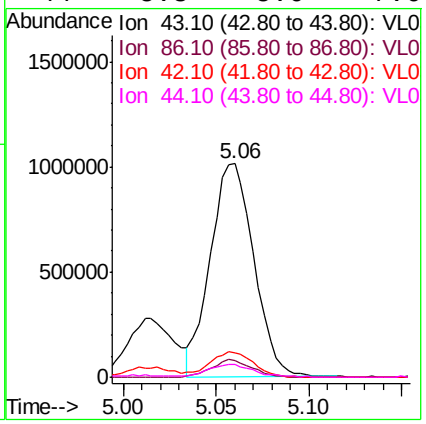


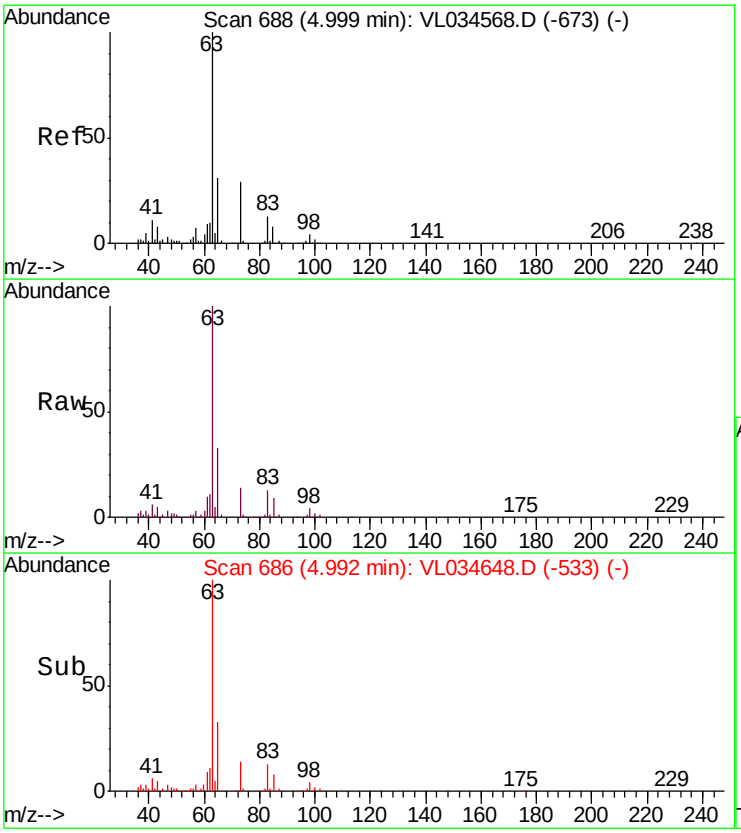
#23
Vinyl Acetate
Concen: 10.552 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1649427

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9
42	11.5	8.8	13.2
44	5.8	5.0	7.6

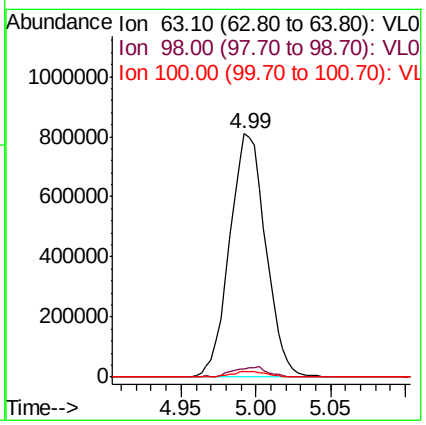


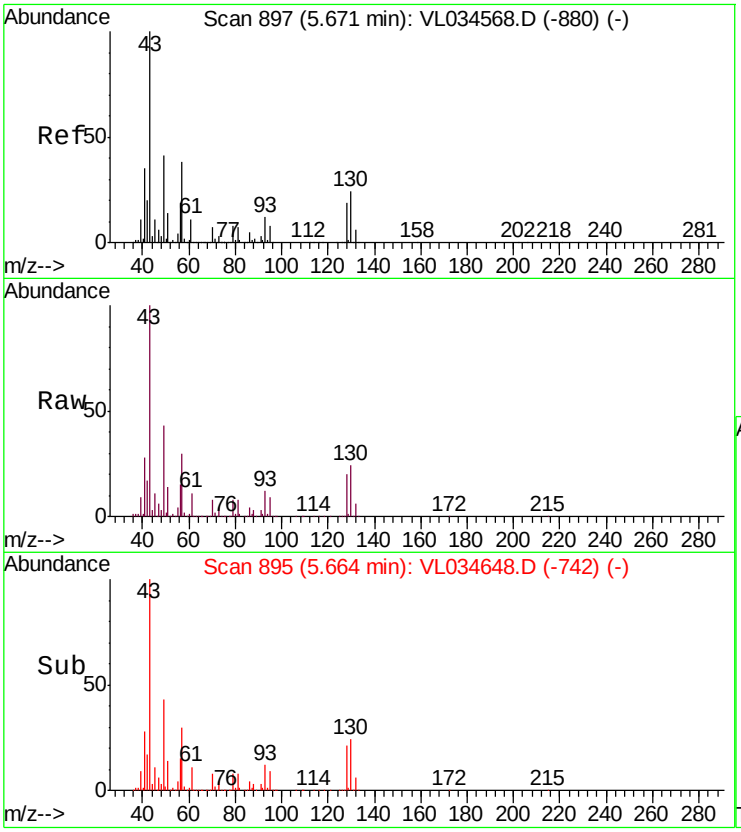


#24
1,1-Dichloroethane
Concen: 10.439 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 63 Resp: 1362387

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.2
100	2.3	1.1	3.5



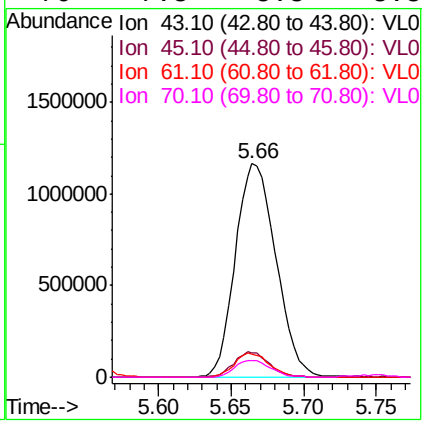


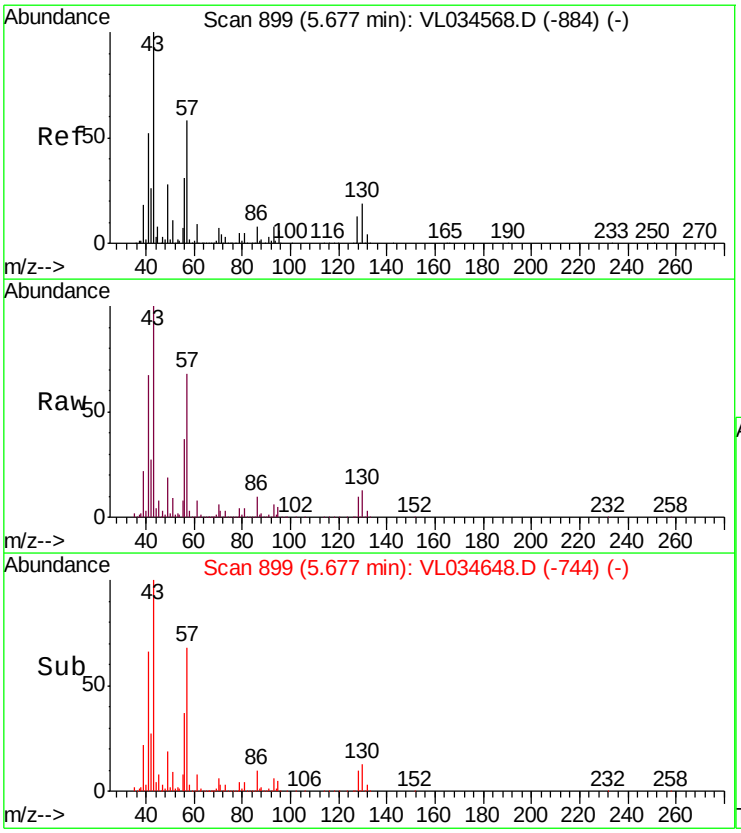
#25
Ethyl Acetate
Concen: 10.220 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2266833

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	9.9	7.8	11.6
70	7.3	5.8	8.8

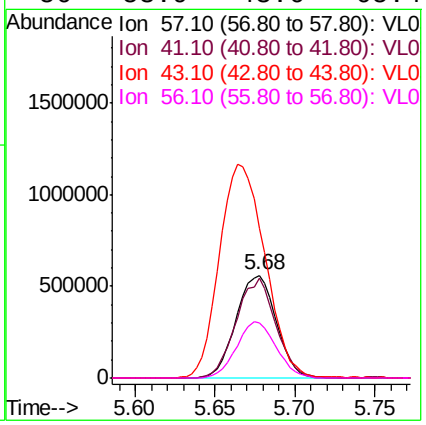


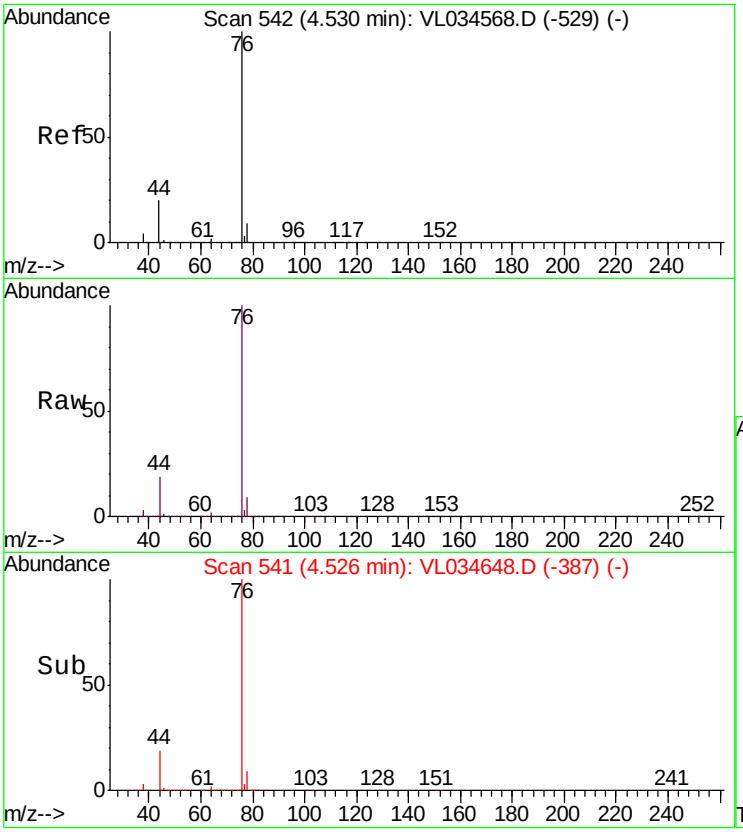


#26
Hexane
Concen: 10.294 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 57 Resp: 956377

Ion	Ratio	Lower	Upper
57	100		
41	96.2	76.2	114.2
43	237.1	189.9	284.9
56	53.9	43.6	65.4



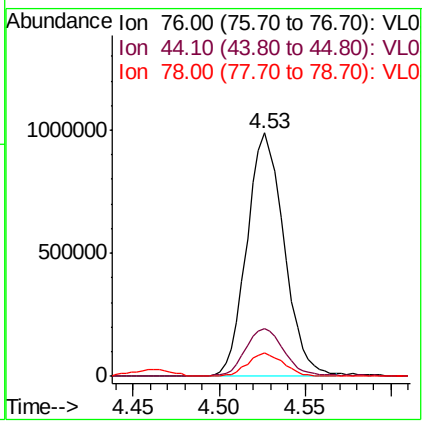


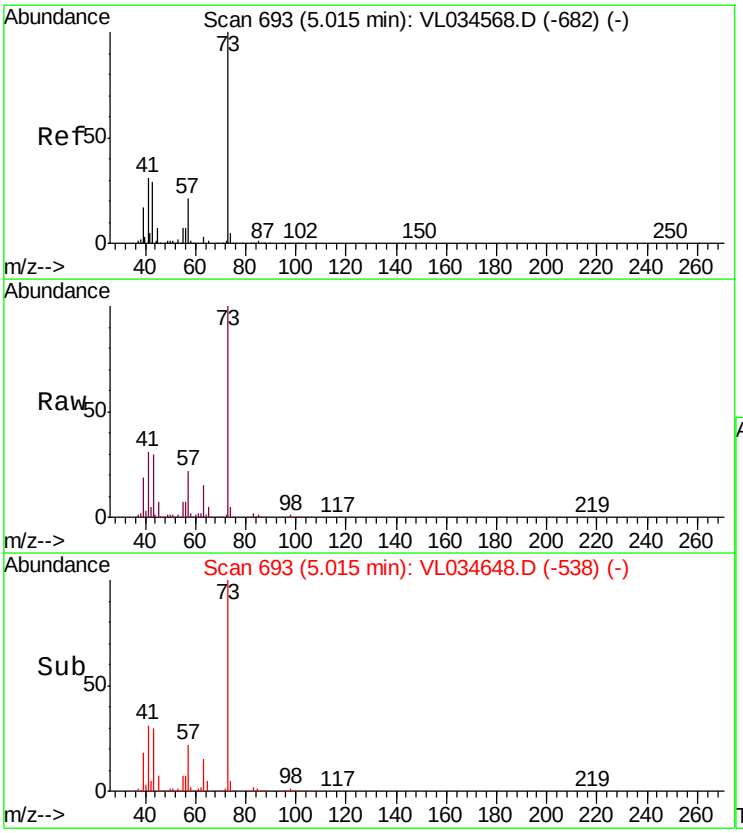
#27
Carbon Disulfide
Concen: 11.879 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1489190

Ion	Ratio	Lower	Upper
76	100		
44	20.2	16.3	24.5
78	9.3	7.4	11.2

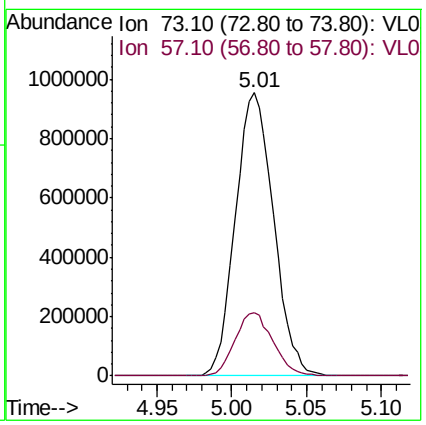


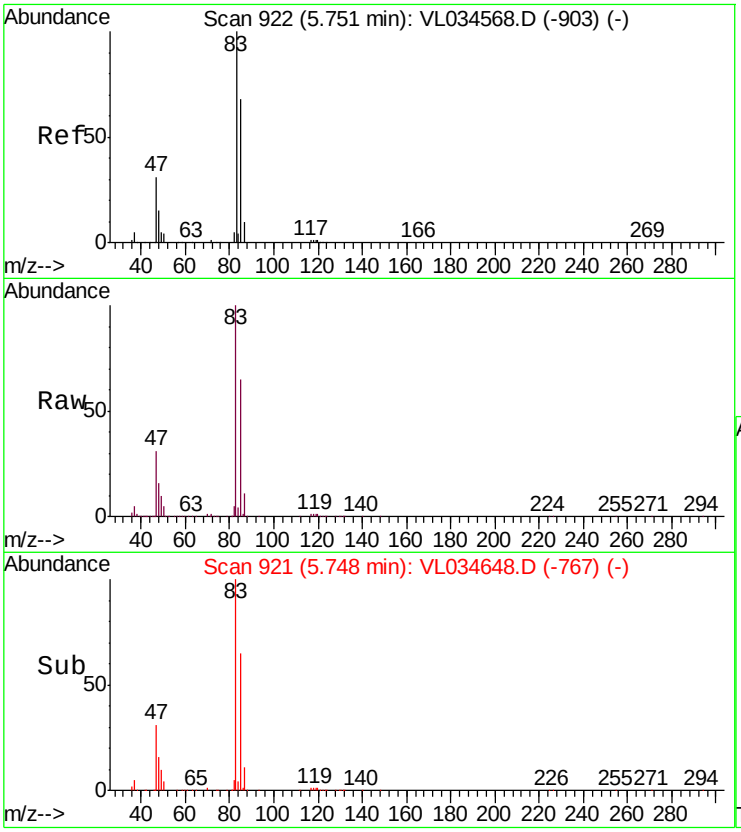


#28
Methyl tert-Butyl Ether
Concen: 10.706 ppbv
RT: 5.01 min Scan# 693
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 73 Resp: 1696332

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9



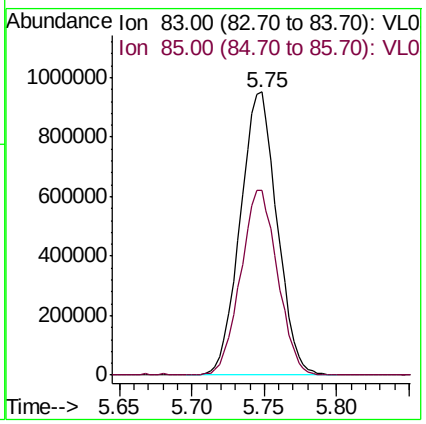


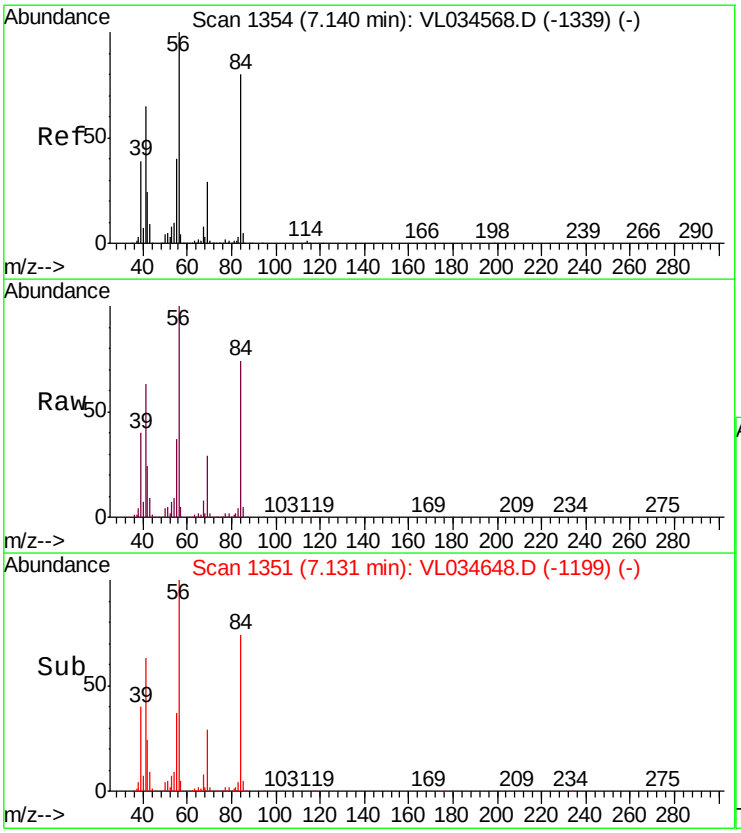
#29
Chloroform
Concen: 10.246 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1683159

Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.0	81.0

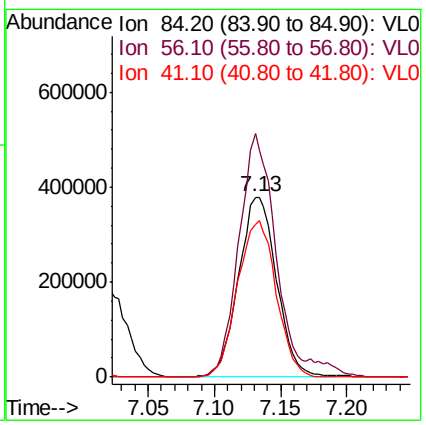


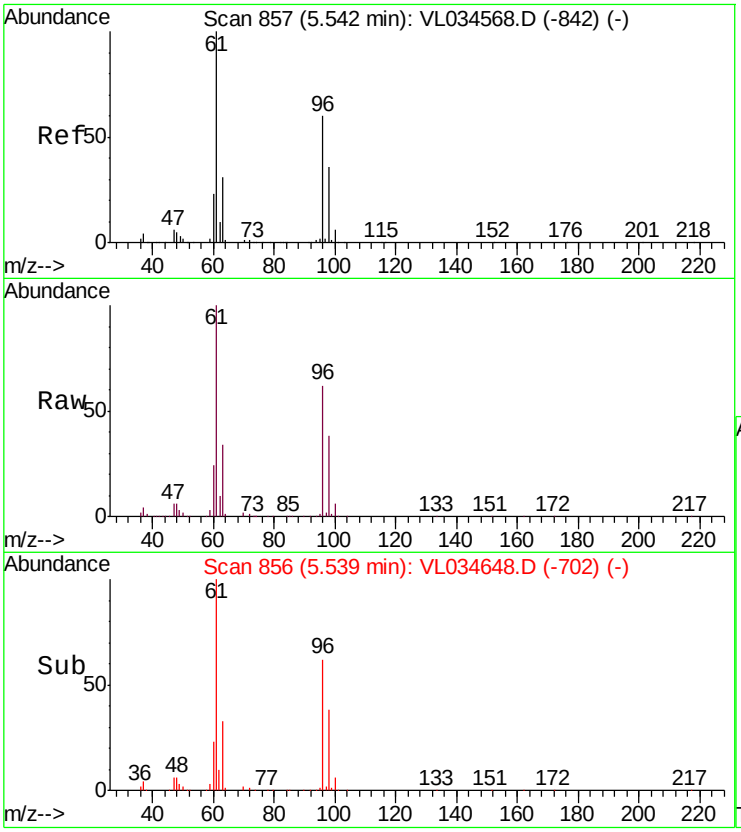


#30
Cyclohexane
Concen: 11.015 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 84 Resp: 758332

Ion	Ratio	Lower	Upper
84	100		
56	135.1	110.5	165.7
41	88.4	71.9	107.9



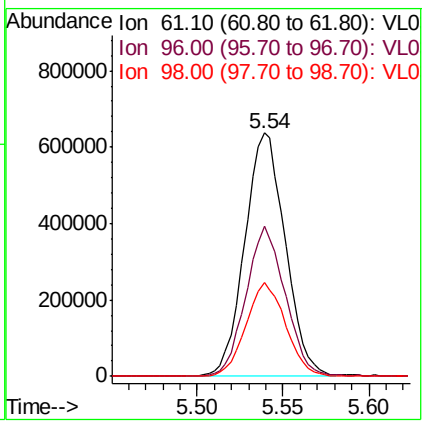


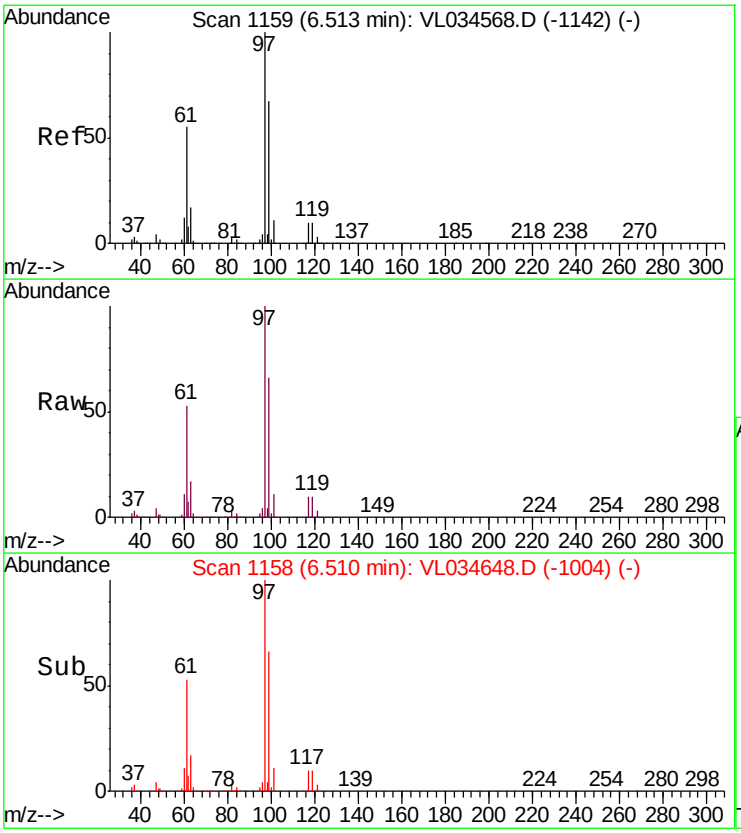
#31
cis-1,2-Dichloroethene
Concen: 10.783 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1040853

Ion	Ratio	Lower	Upper
61	100		
96	61.7	48.0	72.0
98	38.4	28.6	43.0

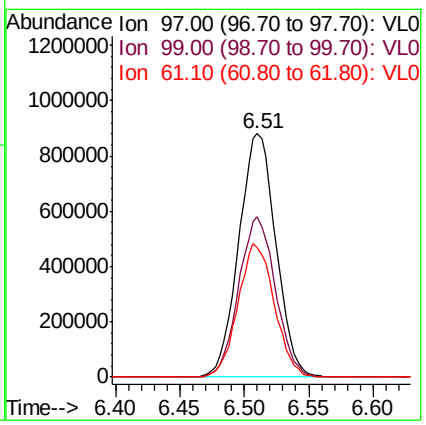


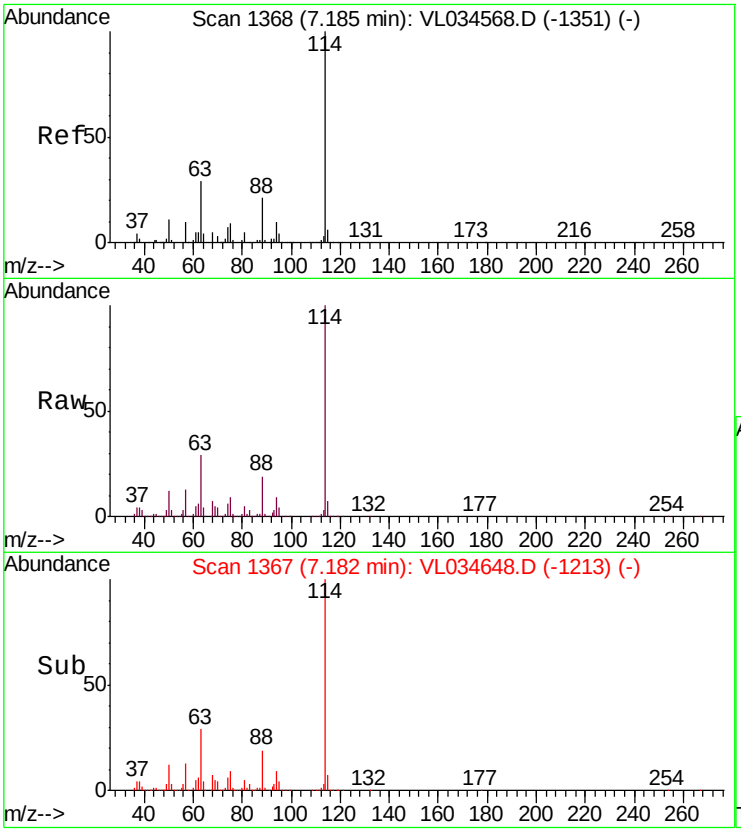


#32
1,1,1-Trichloroethane
Concen: 10.015 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 97 Resp: 1766620

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.2
61	53.6	43.0	64.4



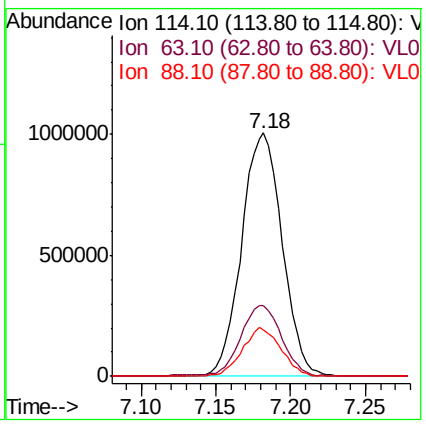


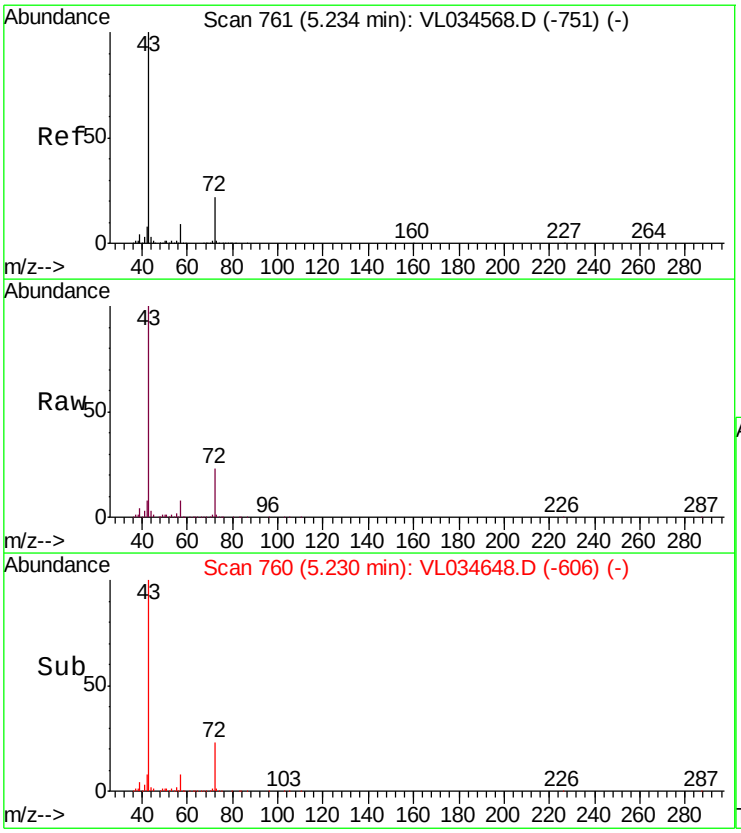
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1896160

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.1	36.1
88	19.0	15.9	23.9

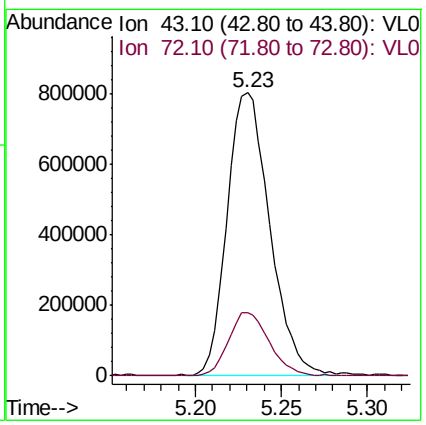


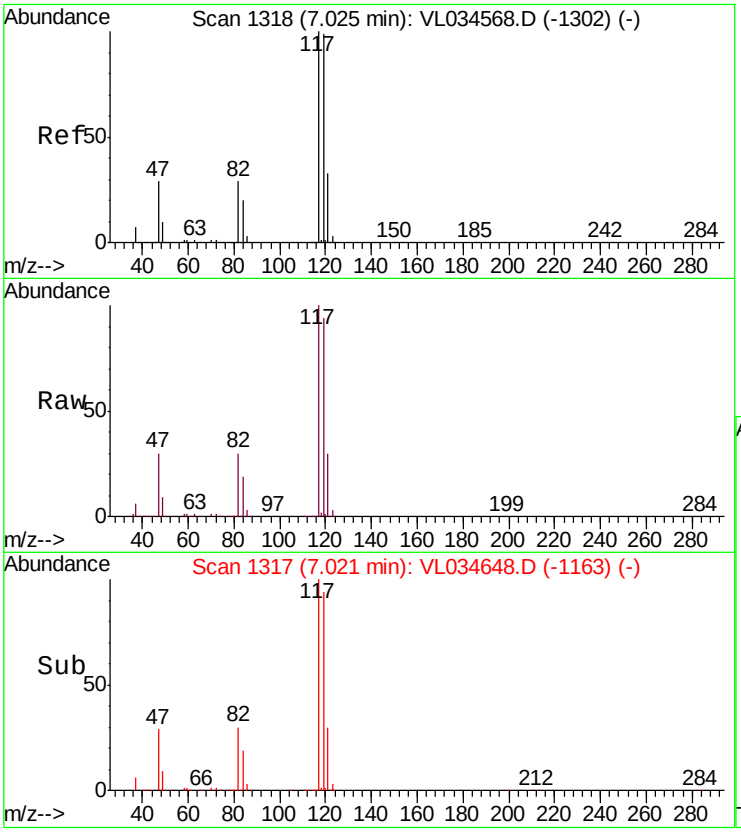


#34
2-Butanone
Concen: 10.108 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 43 Resp: 1391599

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.2	25.8



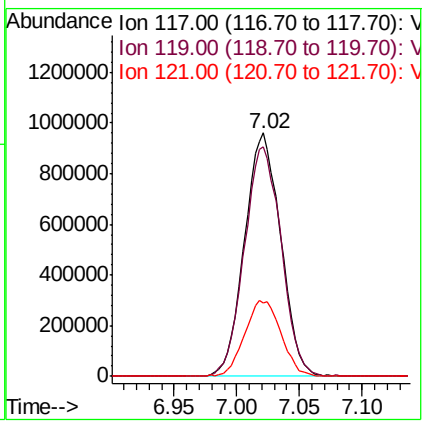


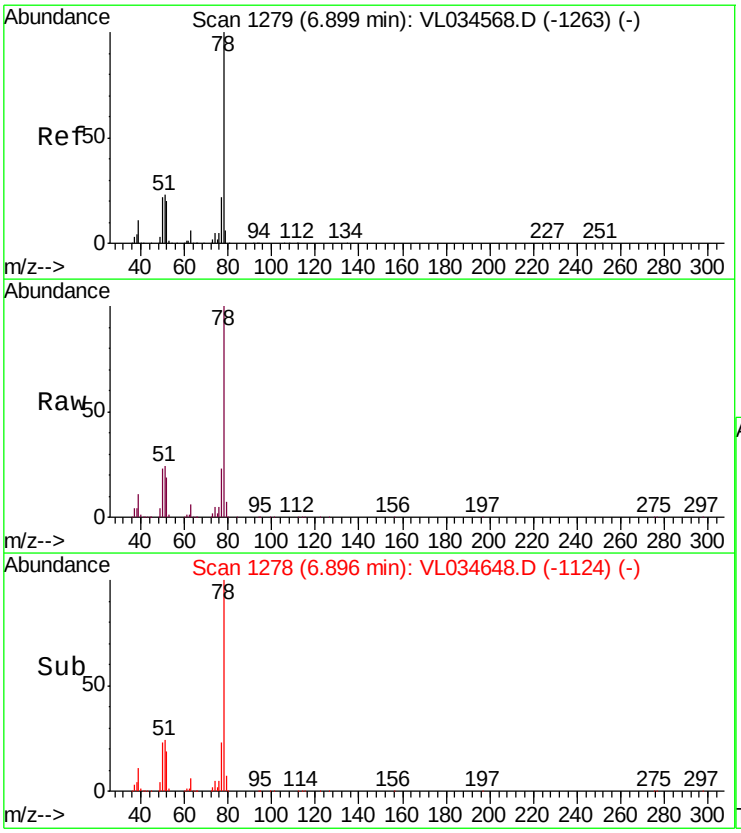
#35
Carbon Tetrachloride
Concen: 10.647 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1930130

Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.5	119.3
121	30.1	26.2	39.2

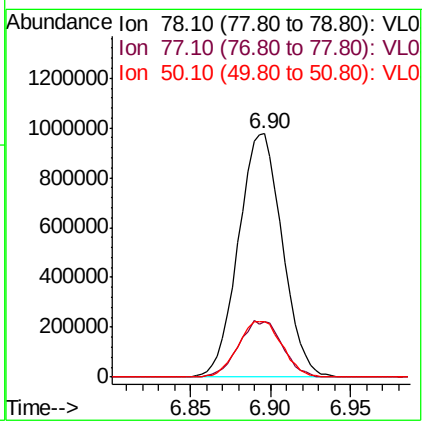


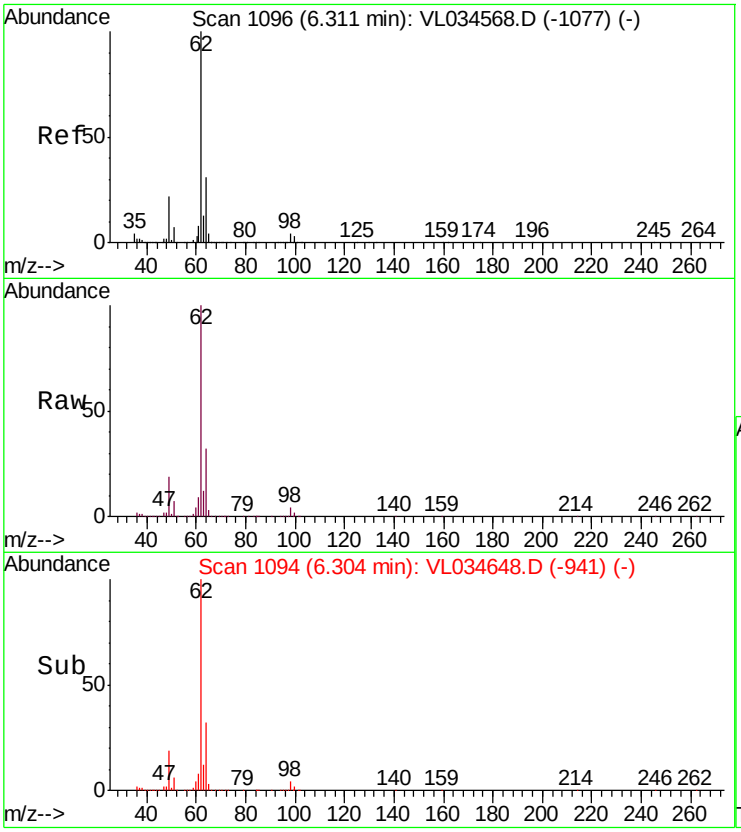


#36
Benzene
Concen: 10.819 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 78 Resp: 1824364

Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.3	25.9
50	22.7	17.4	26.2



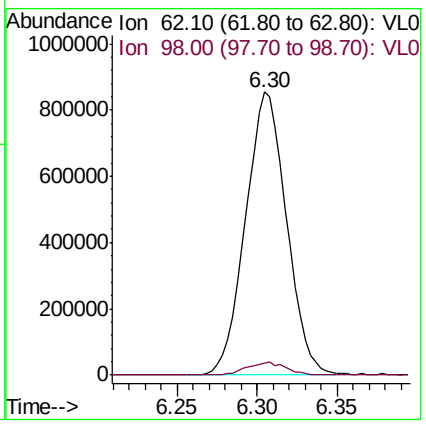


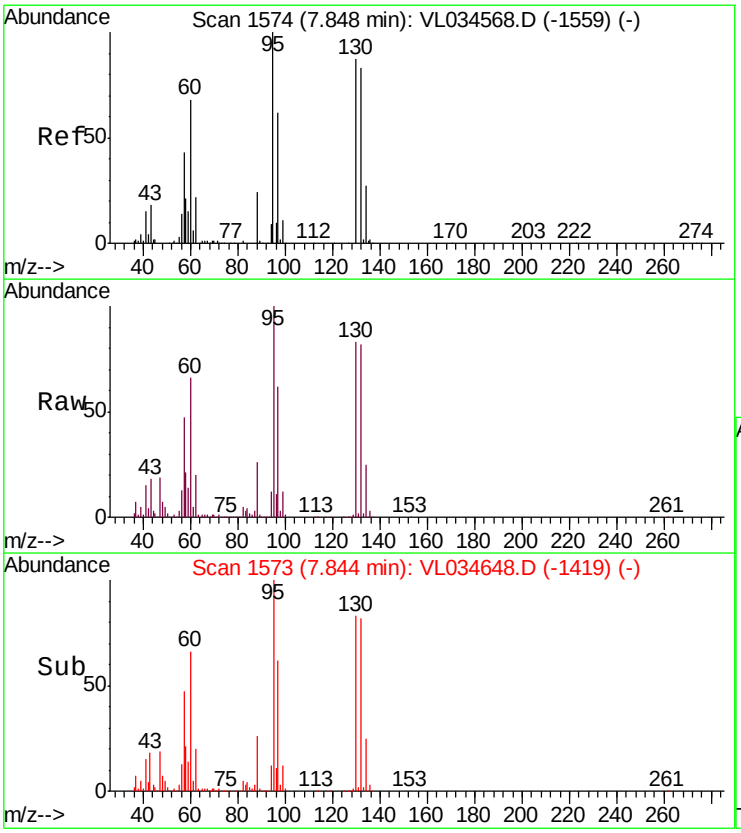
#37
1,2-Dichloroethane
Concen: 10.665 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1500361

Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.7	5.5

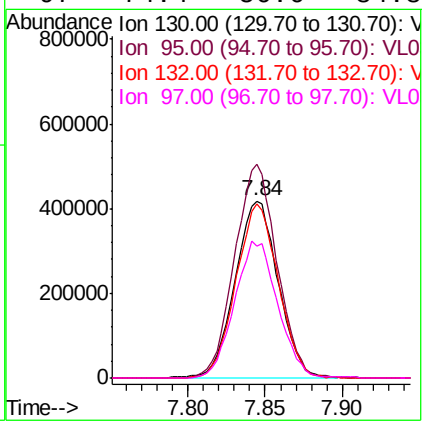


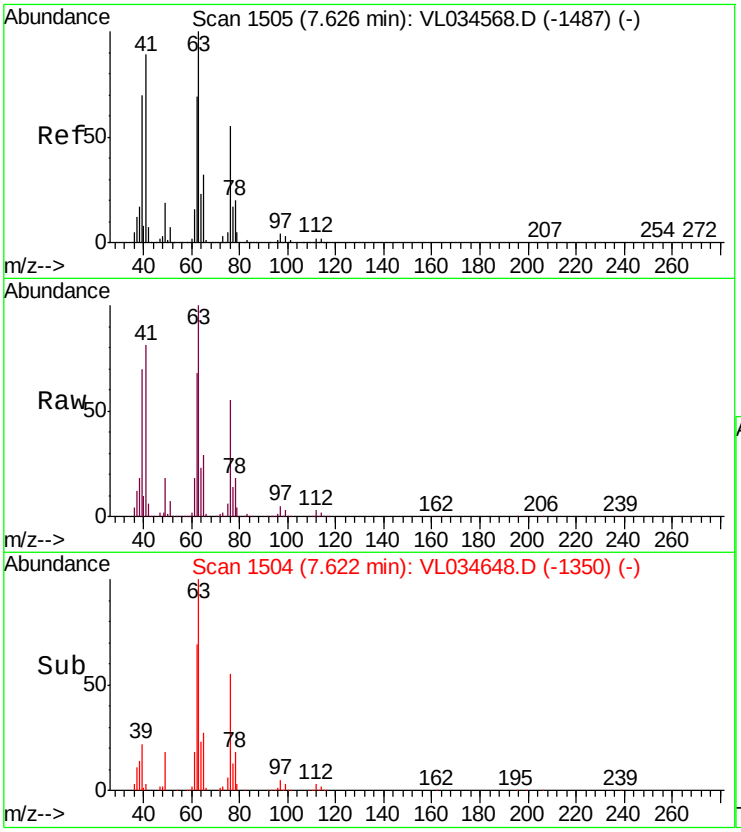


#38
Trichloroethene
Concen: 11.280 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:130 Resp: 801756

Ion	Ratio	Lower	Upper
130	100		
95	120.6	91.6	137.4
132	98.3	76.1	114.1
97	74.4	56.6	84.8



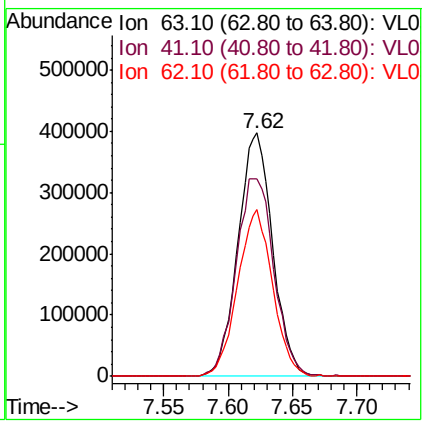


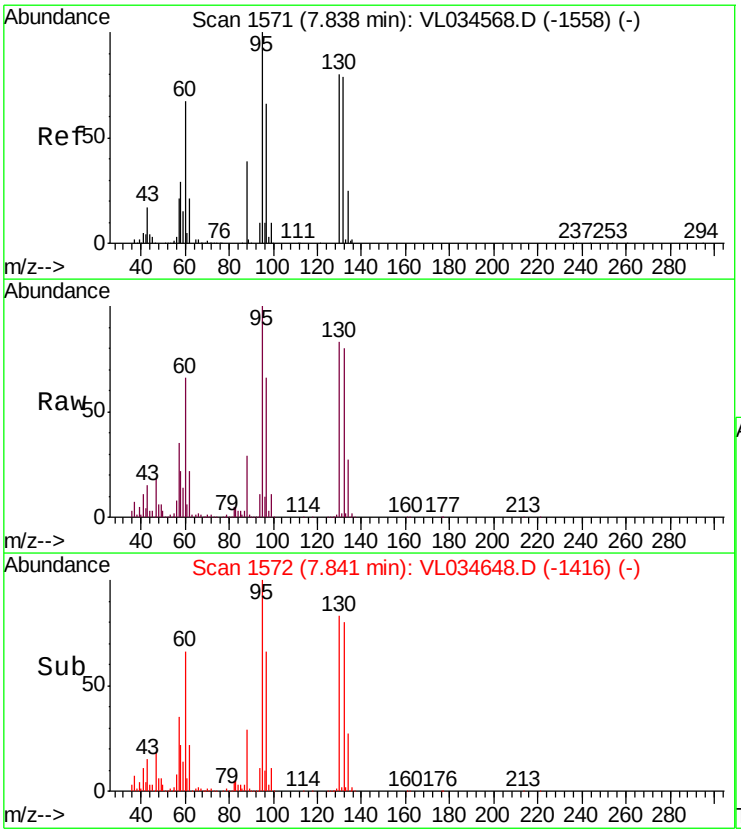
#39
1,2-Dichloropropane
Concen: 10.626 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 742765

Ion	Ratio	Lower	Upper
63	100		
41	81.1	71.0	106.4
62	68.2	55.4	83.0

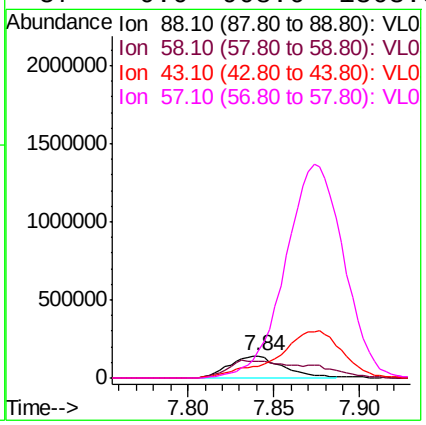


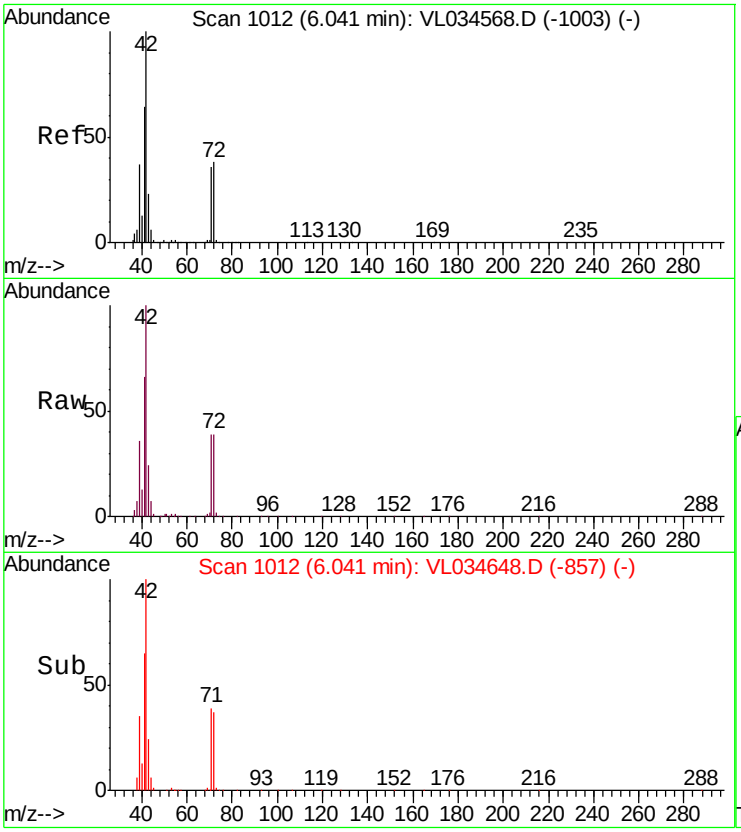


#40
1,4-Dioxane
Concen: 11.102 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 88 Resp: 298318

Ion	Ratio	Lower	Upper
88	100		
58	132.4	107.8	161.8
43	0.0	220.9	331.3#
57	0.0	908.6	1363.0#



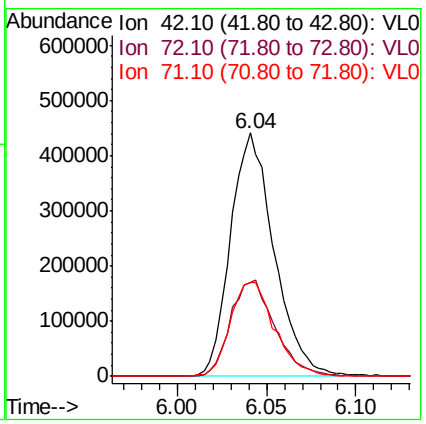


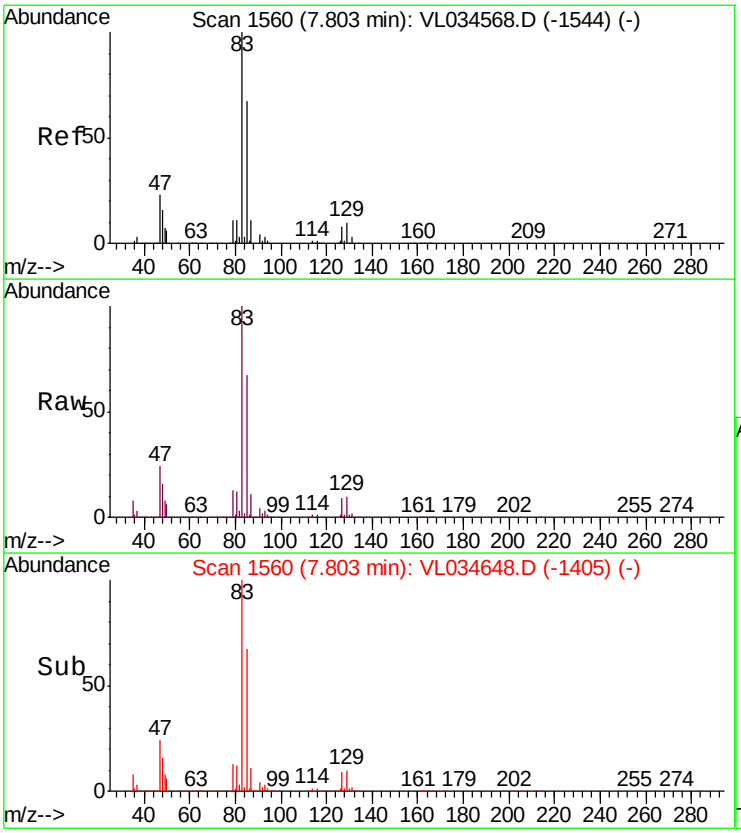
#41
Tetrahydrofuran
Concen: 10.478 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 752595

Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.8	47.8
71	39.5	30.2	45.4

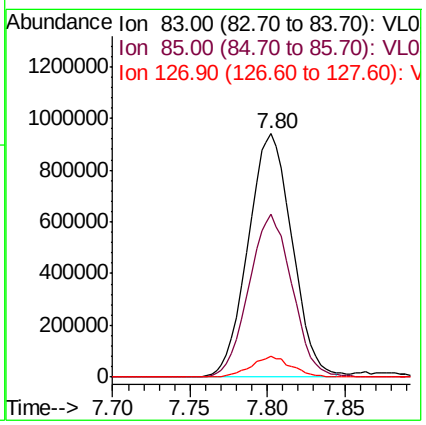


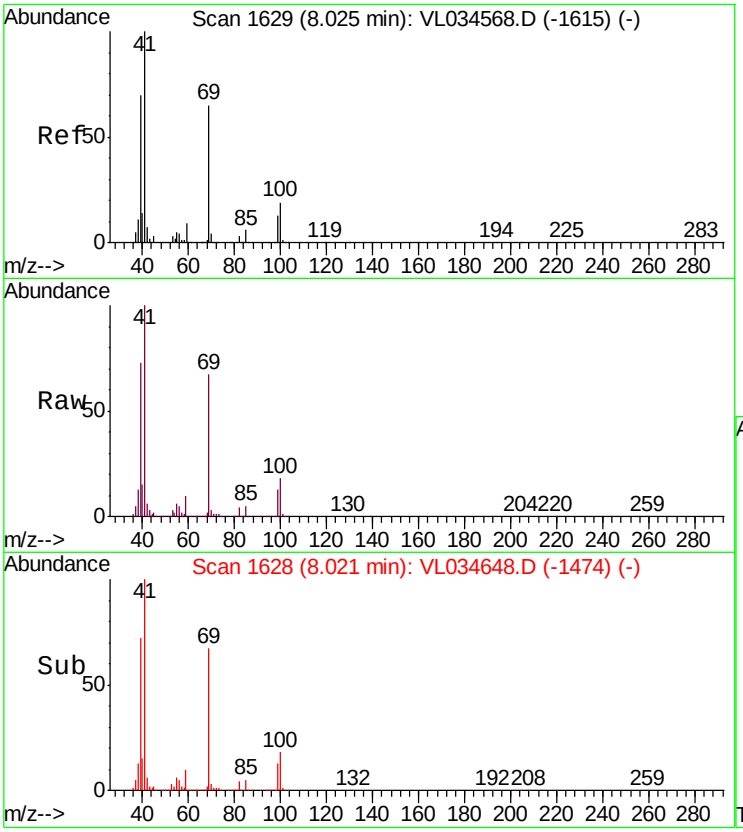


#42
Bromodichloromethane
Concen: 10.747 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 83 Resp: 1860897

Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.2	79.8
127	8.5	6.5	9.7



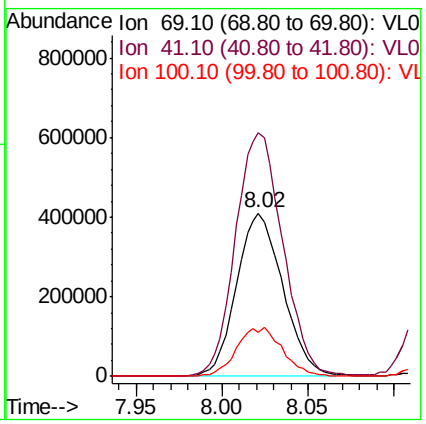


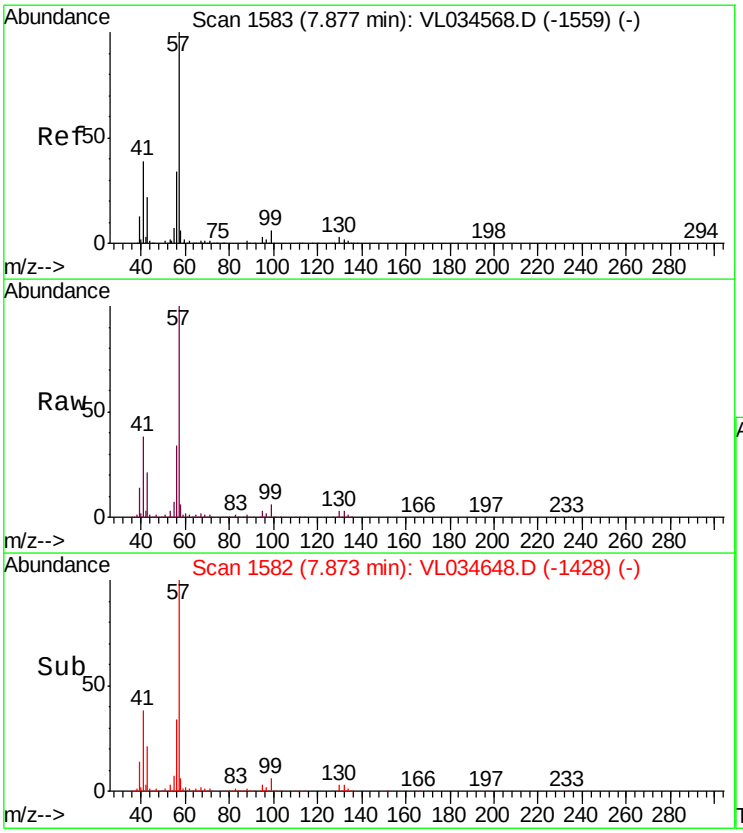
#43
Methyl Methacrylate
Concen: 11.163 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 757091

Ion	Ratio	Lower	Upper
69	100		
41	155.0	123.9	185.9
100	30.1	24.1	36.1

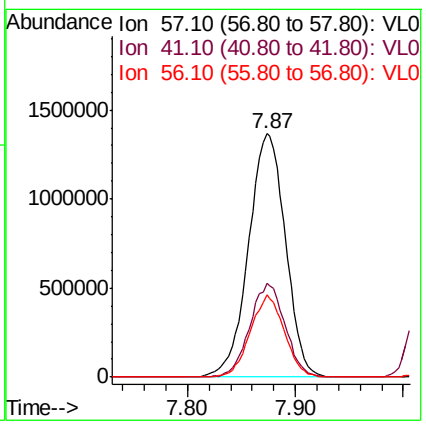


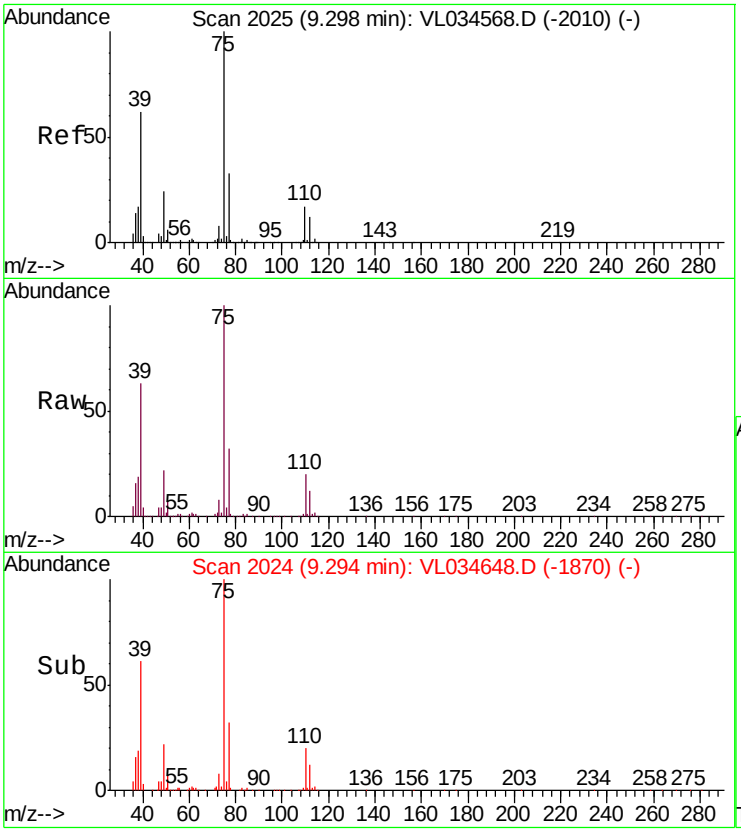


#44
2,2,4-Trimethylpentane
Concen: 10.603 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 57 Resp: 3244075

Ion	Ratio	Lower	Upper
57	100		
41	36.8	28.9	43.3
56	31.1	25.5	38.3



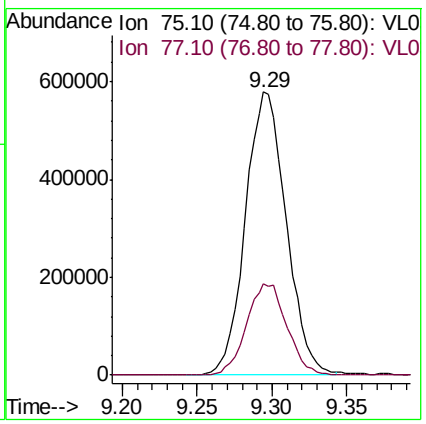


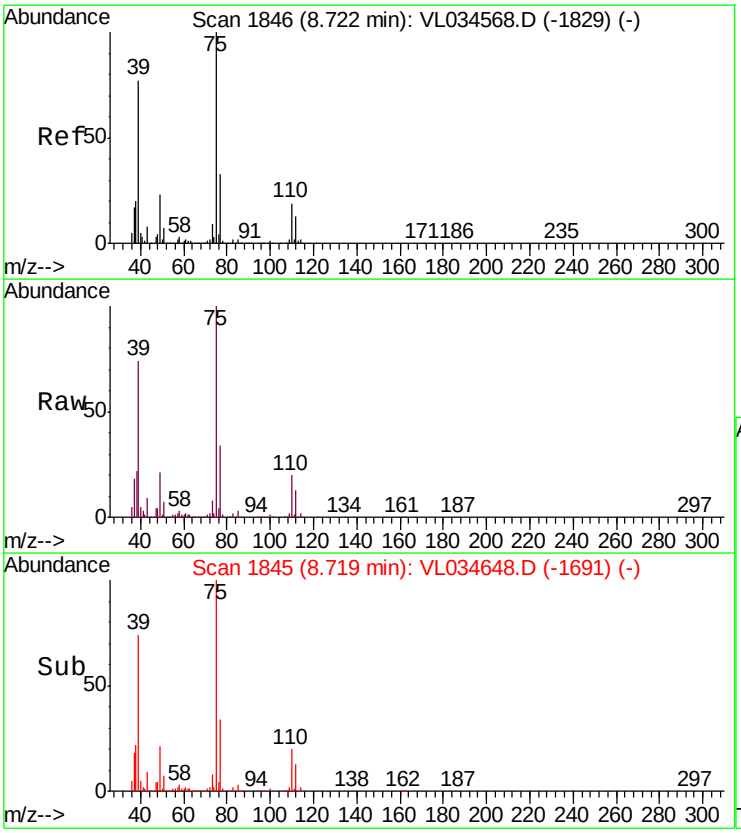
#45
t-1,3-Dichloropropene
Concen: 12.362 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1097861

Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.7	40.1

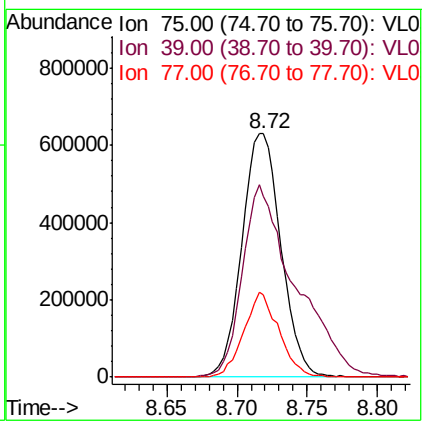


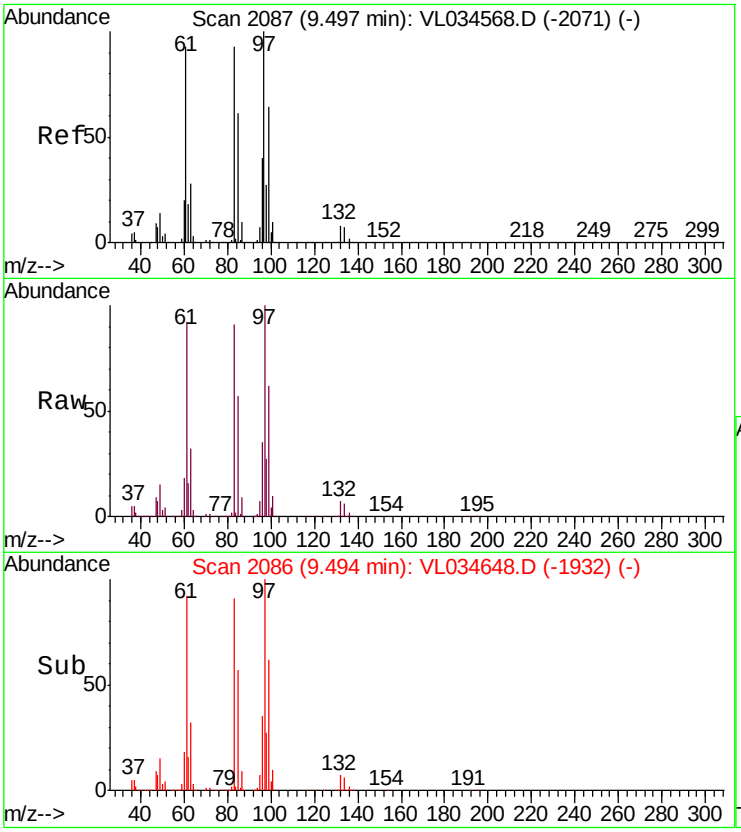


#46
cis-1,3-Dichloropropene
Concen: 12.101 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 75 Resp: 1221474

Ion	Ratio	Lower	Upper
75	100		
39	74.2	61.9	92.9
77	33.9	26.1	39.1



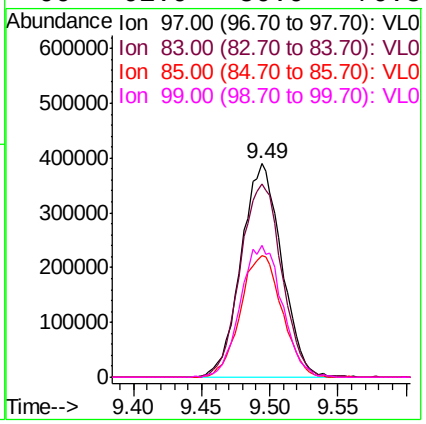


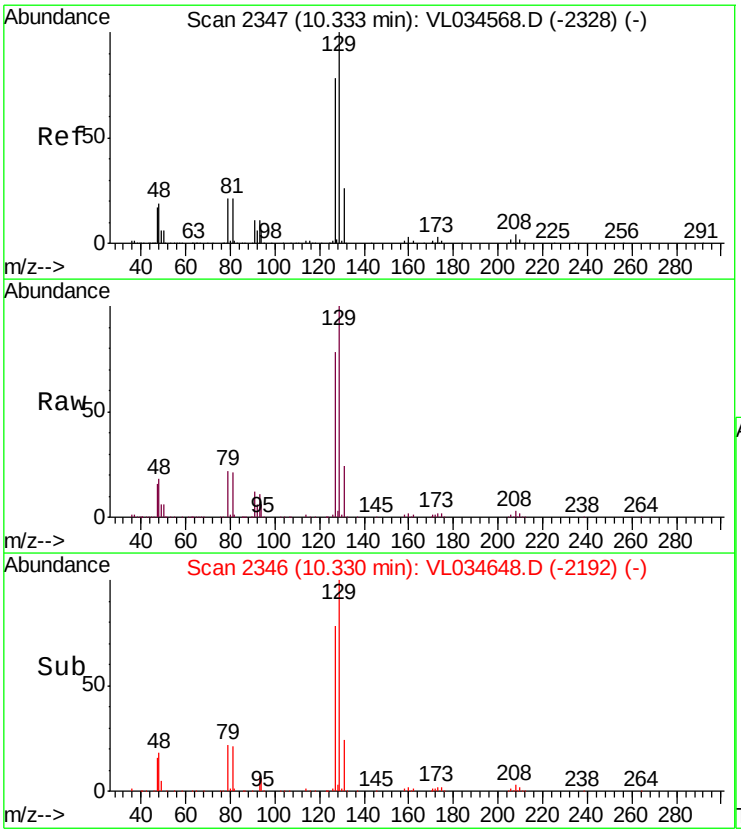
#47
1,1,2-Trichloroethane
Concen: 10.617 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 803854

Ion	Ratio	Lower	Upper
97	100		
83	90.8	74.4	111.6
85	57.2	49.2	73.8
99	61.9	50.9	76.3

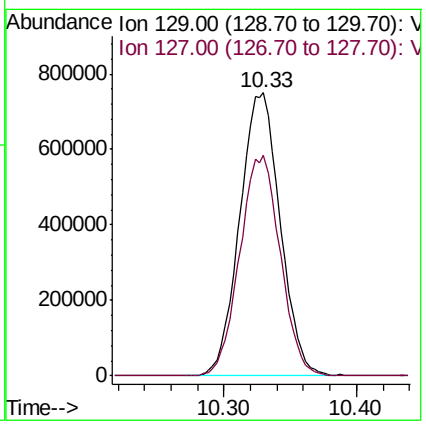


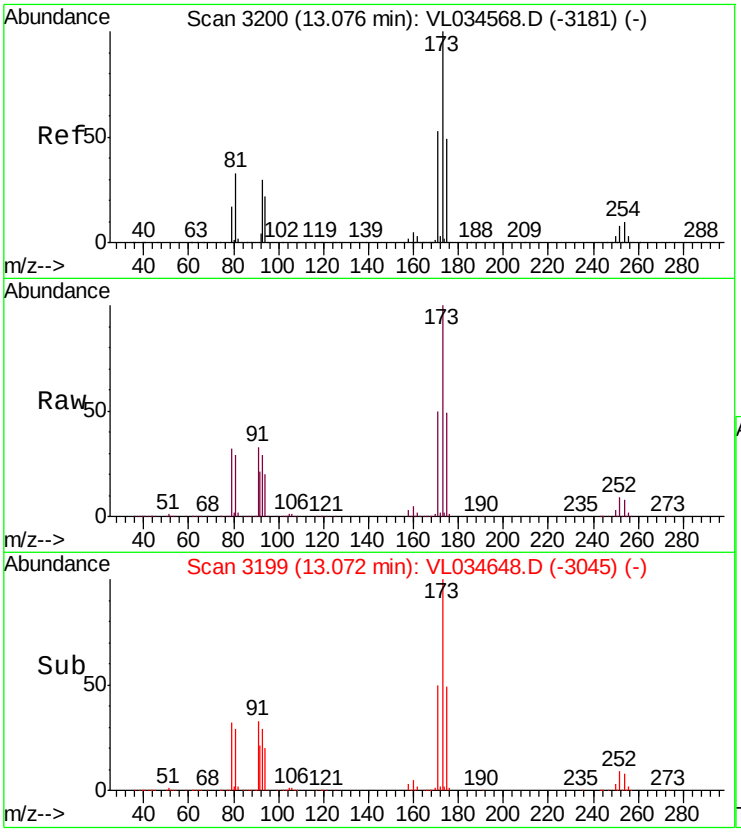


#48
Dibromochloromethane
Concen: 11.473 ppbv
RT: 10.33 min Scan# 2346
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:129 Resp: 1591756

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



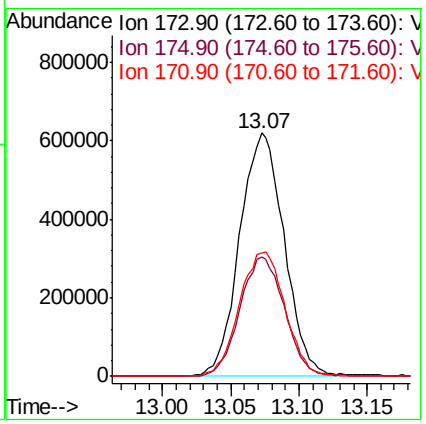


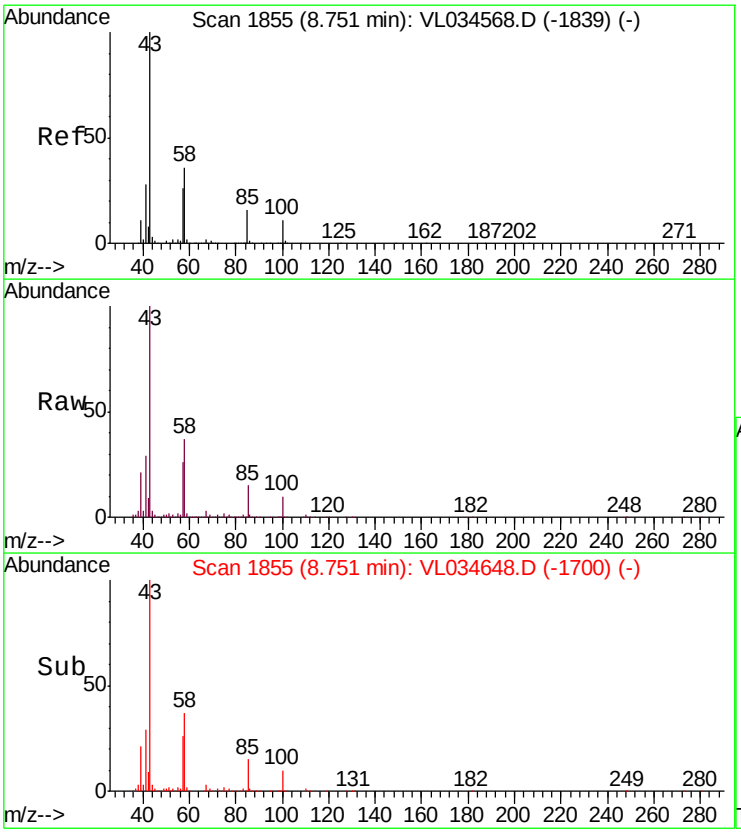
#49
Bromoform
Concen: 11.506 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1401576

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.7	59.5
171	52.9	41.6	62.4

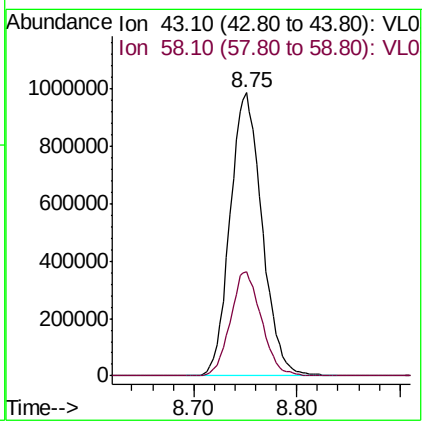


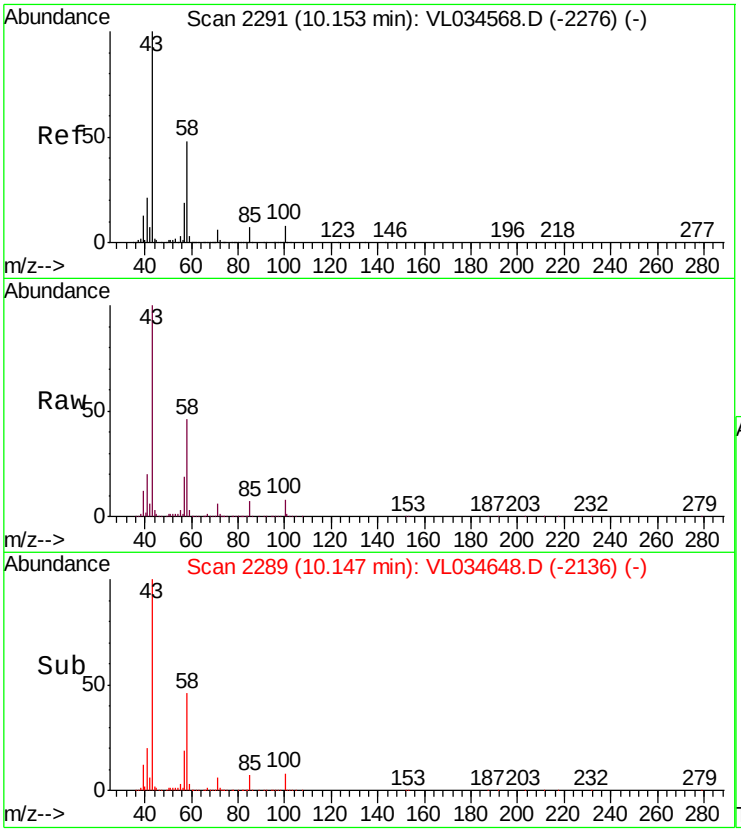


#50
4-Methyl-2-Pentanone
Concen: 10.865 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 43 Resp: 2133175

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.6	43.0



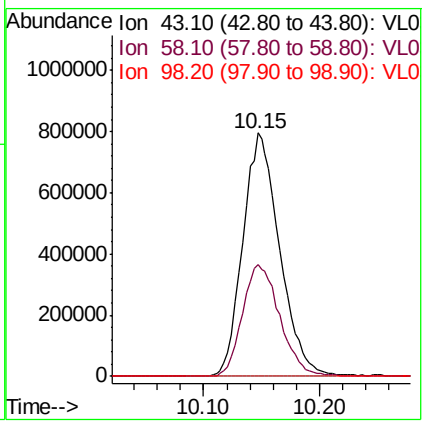


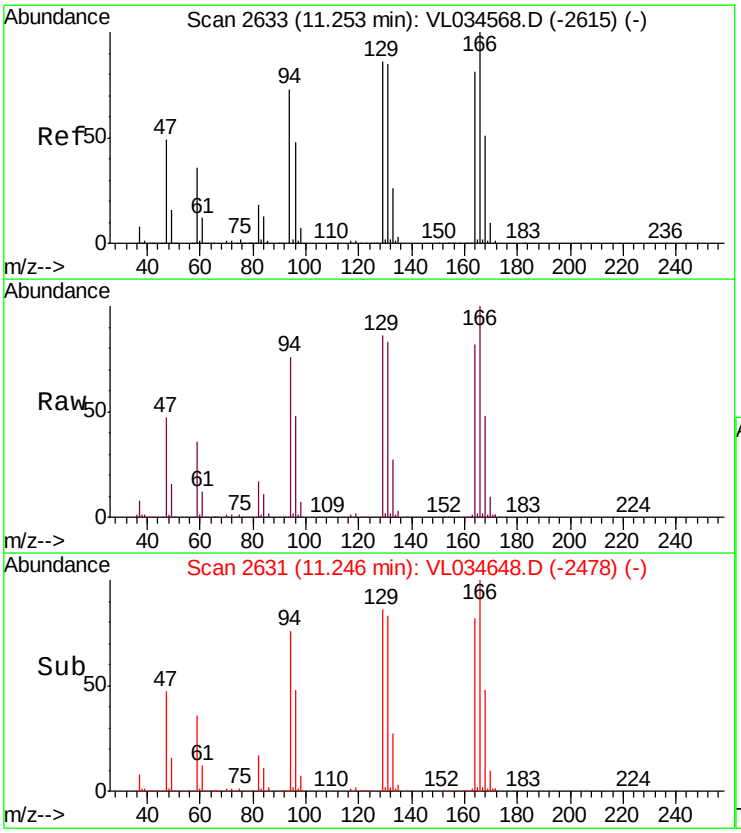
#51
2-Hexanone
Concen: 11.328 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1750885

Ion	Ratio	Lower	Upper
43	100		
58	46.8	37.9	56.9
98	0.4	0.3	0.5

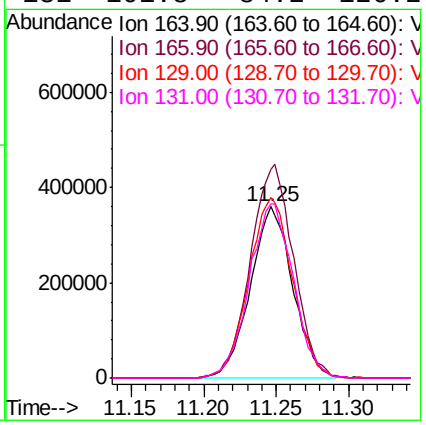


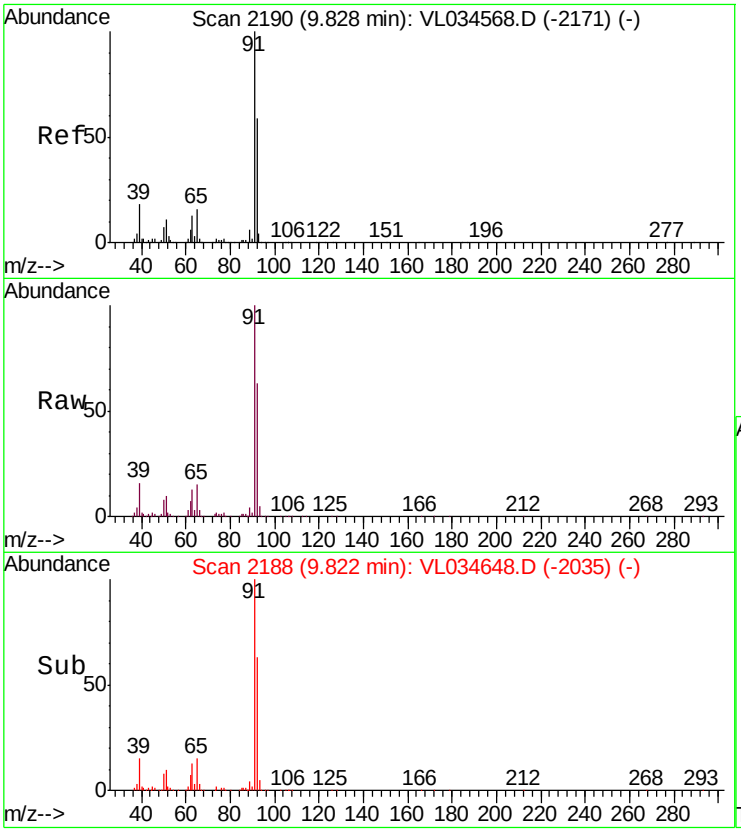


#52
Tetrachloroethene
Concen: 10.772 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:164 Resp: 729659

Ion	Ratio	Lower	Upper
164	100		
166	122.3	99.0	148.4
129	105.3	85.3	127.9
131	101.8	84.2	126.2



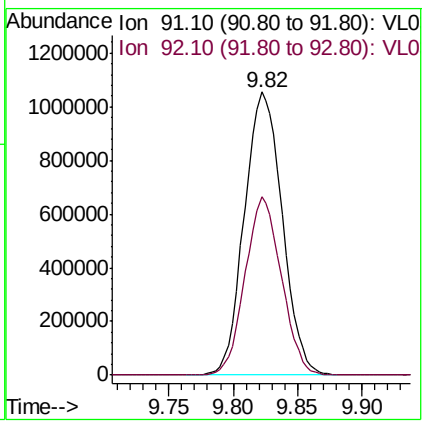


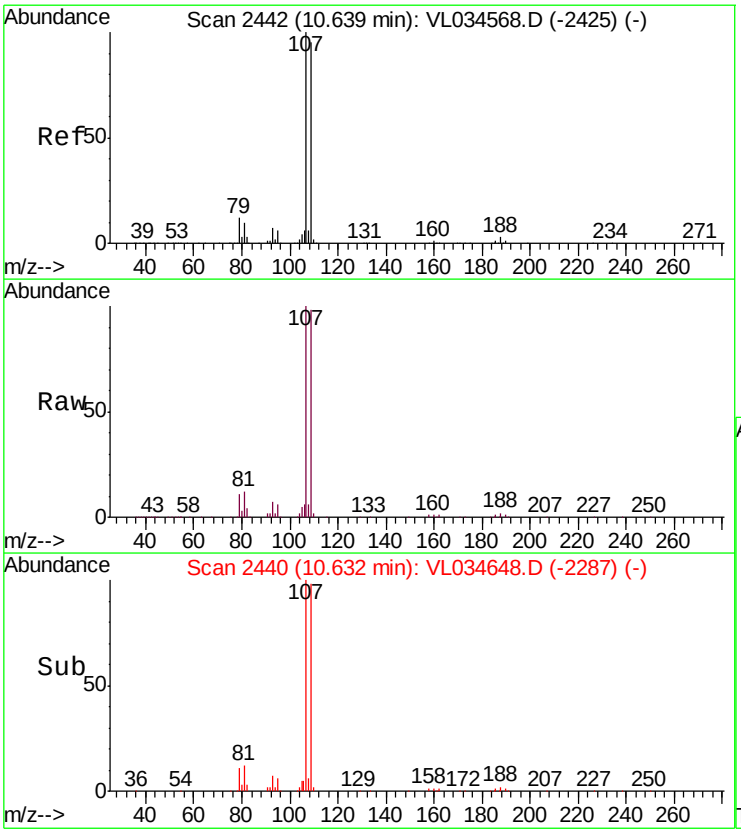
#53
Toluene
Concen: 11.662 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2160349

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.2

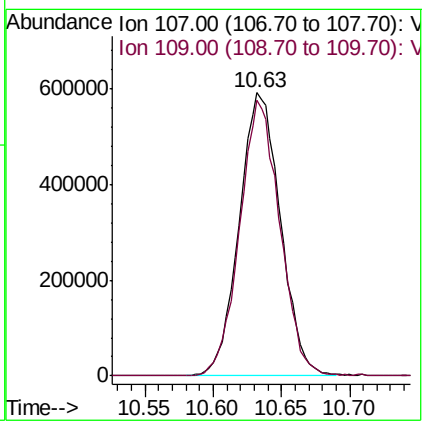


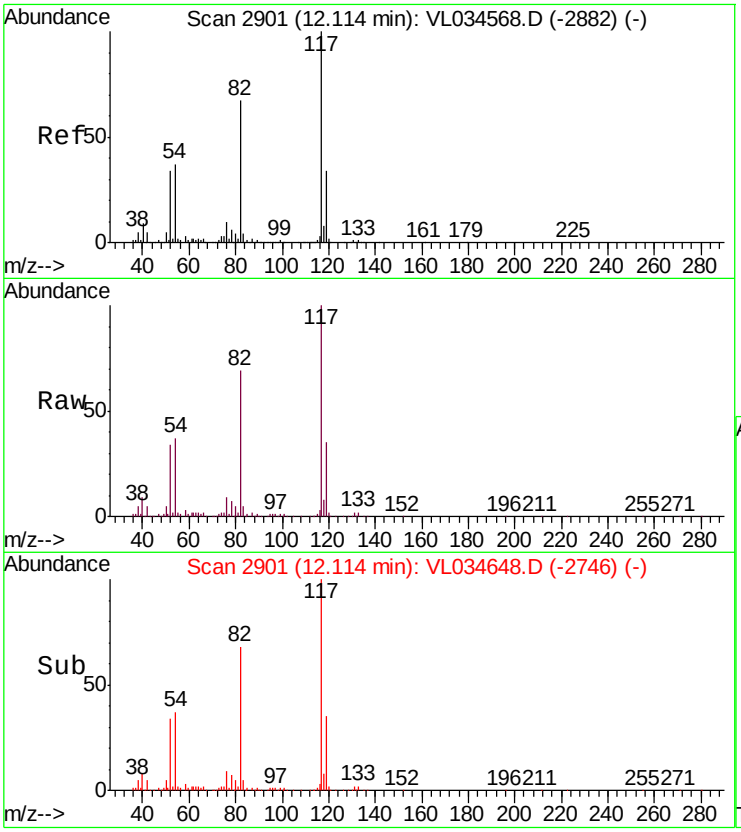


#54
1,2-Dibromoethane
Concen: 10.934 ppbv
RT: 10.63 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:107 Resp: 1240514

Ion	Ratio	Lower	Upper
107	100		
109	97.5	75.9	113.9



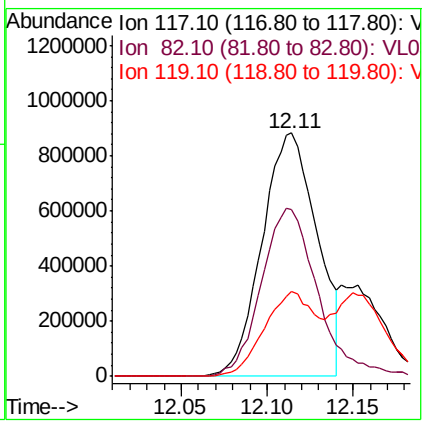


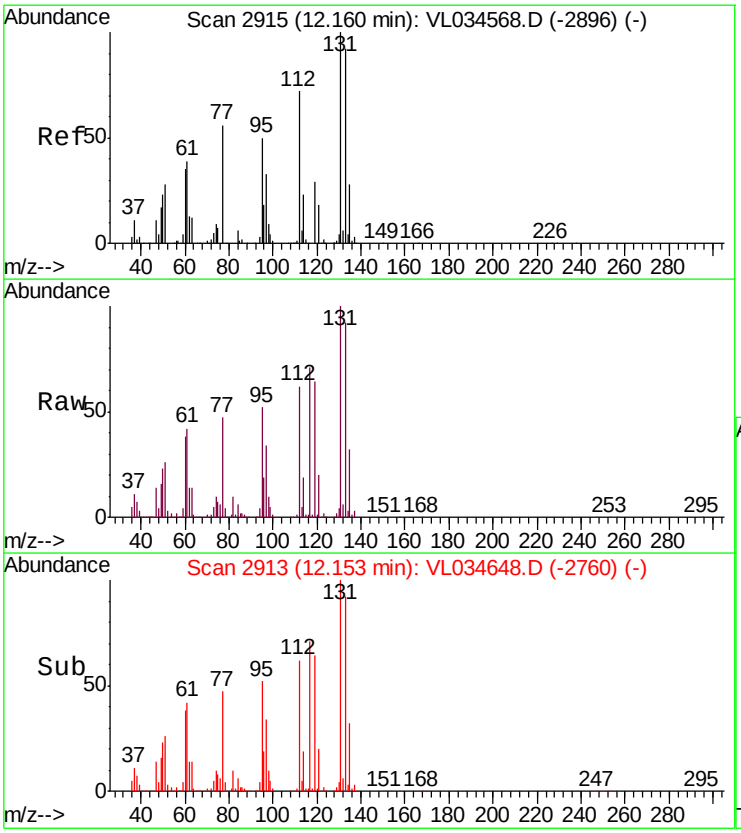
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1966441

Ion	Ratio	Lower	Upper
117	100		
82	70.7	54.2	81.4
119	31.0	26.1	39.1

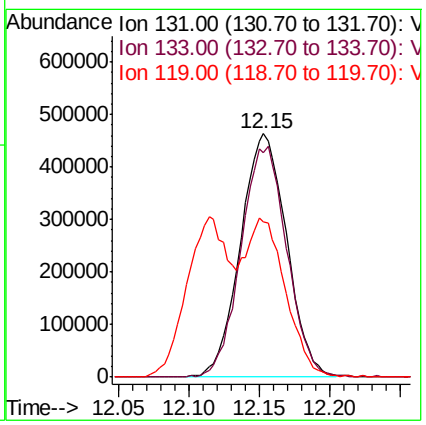


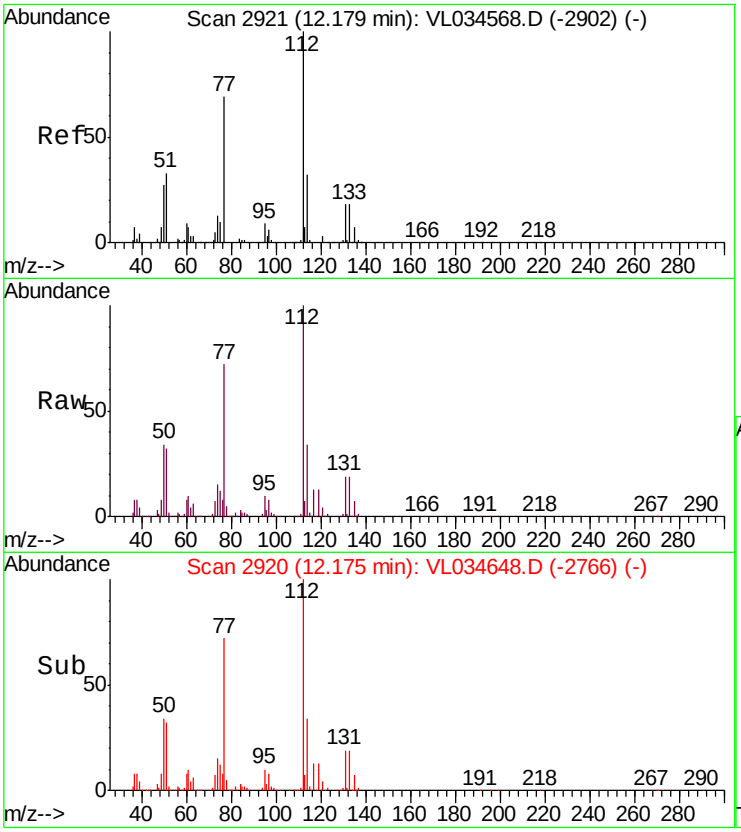


#56
1,1,1,2-Tetrachloroethane
Concen: 10.906 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:131 Resp: 1058788

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.8	113.8
119	62.1	47.0	70.6



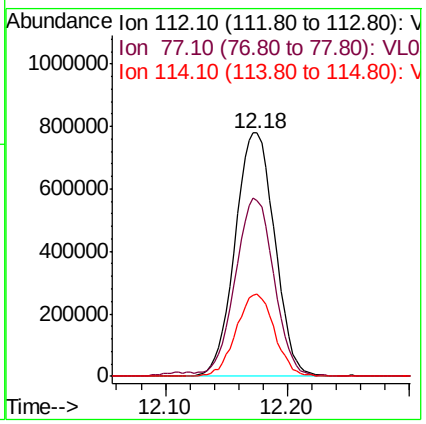


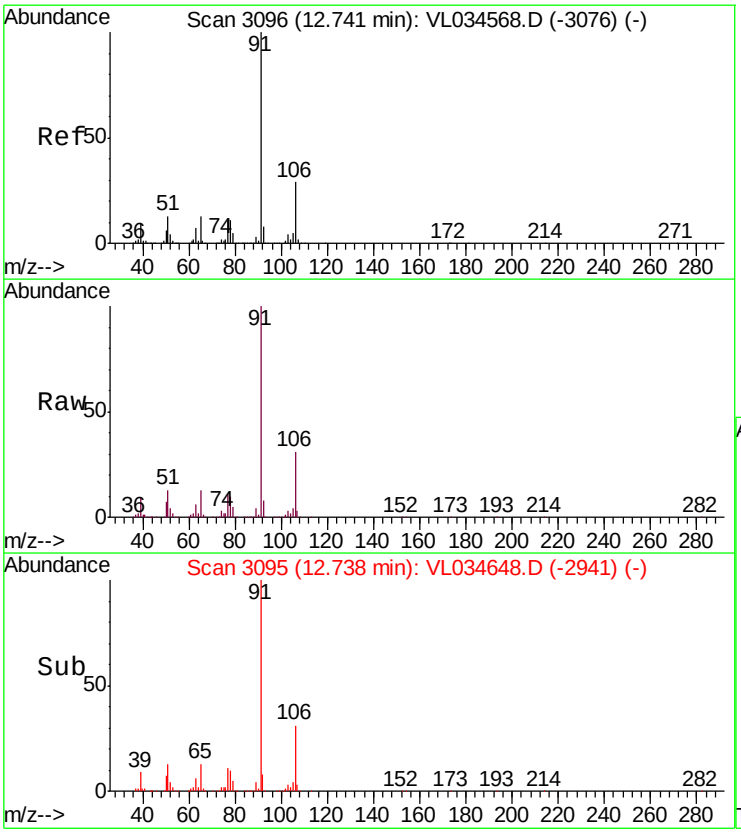
#57
Chlorobenzene
Concen: 10.817 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 1750348

Ion	Ratio	Lower	Upper
112	100		
77	72.2	56.5	84.7
114	33.6	29.2	35.6

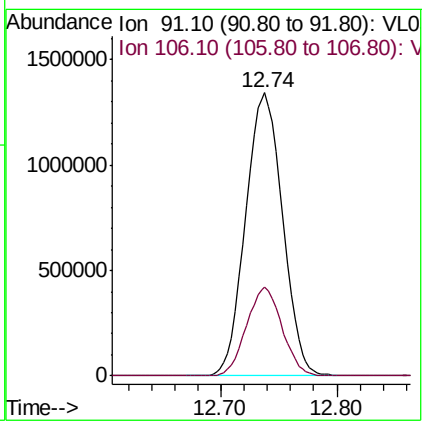


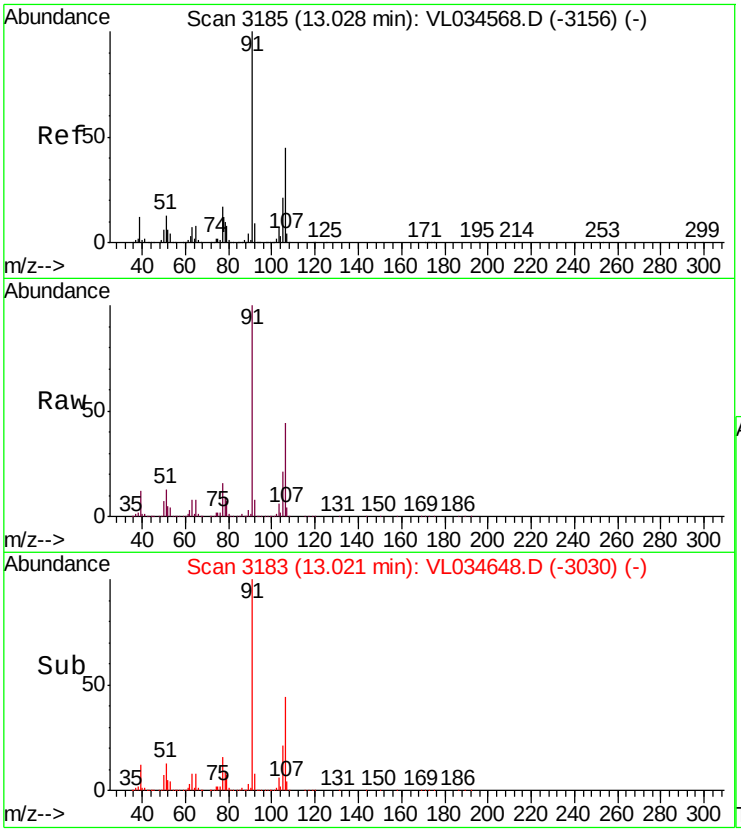


#58
Ethyl Benzene
Concen: 11.337 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 91 Resp: 2983279

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.3	34.9



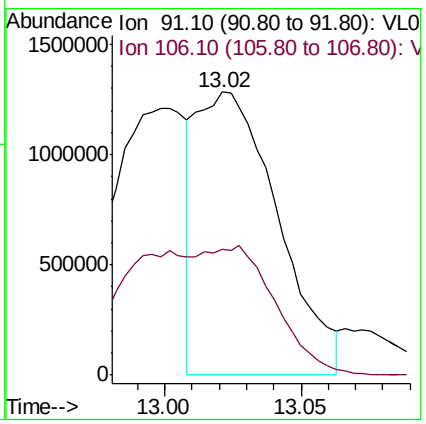


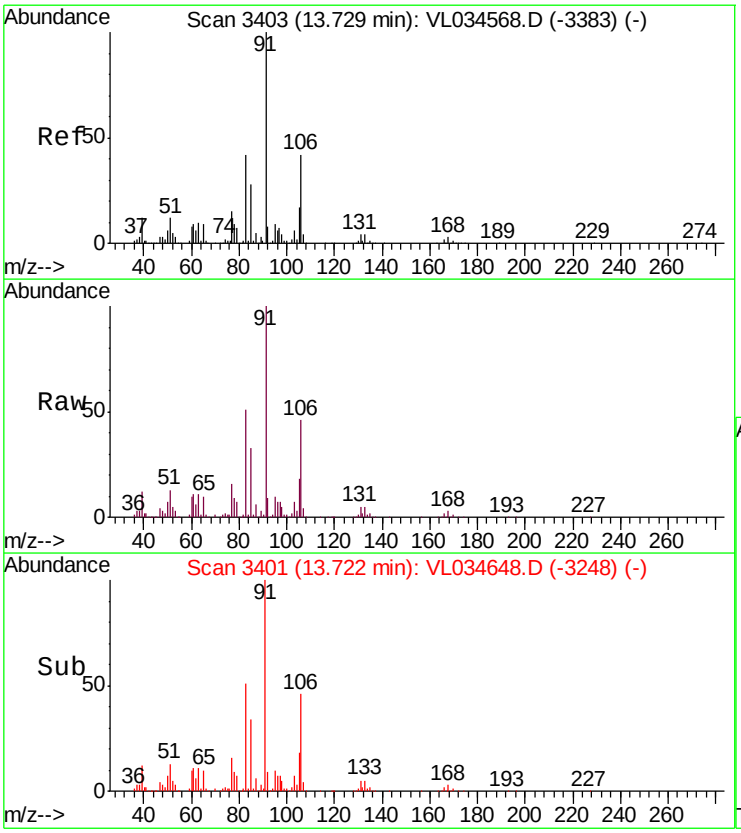
#59
m/p-Xylene
Concen: 11.360 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2642516

Ion	Ratio	Lower	Upper
91	100		
106	85.0	35.3	52.9#

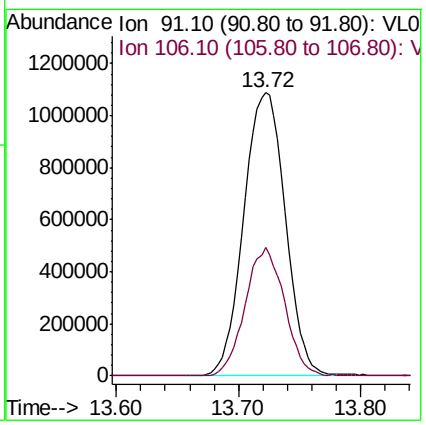


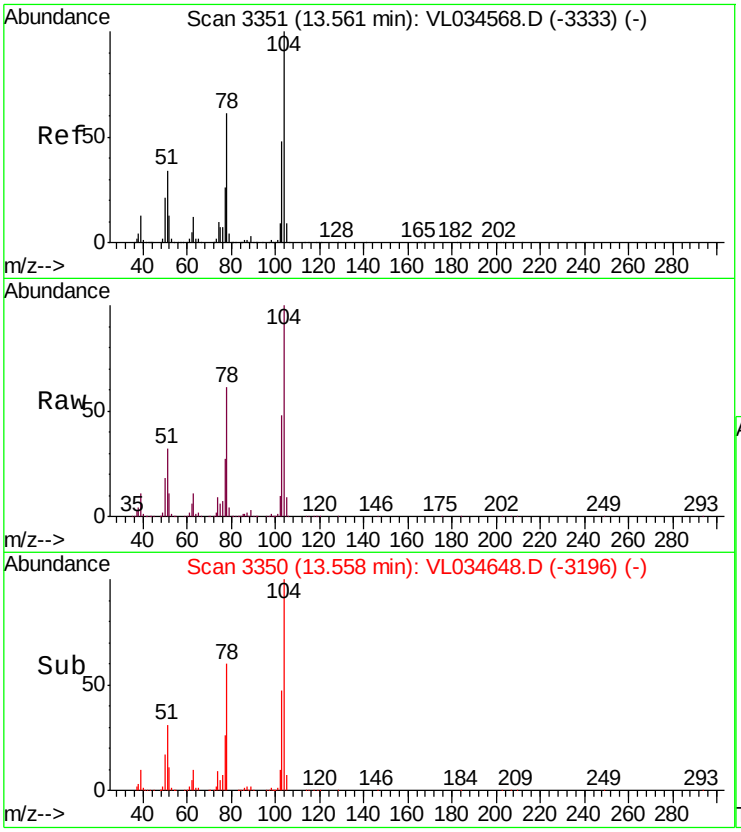


#60
o-Xylene
Concen: 10.969 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 91 Resp: 2562482

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.6	65.0



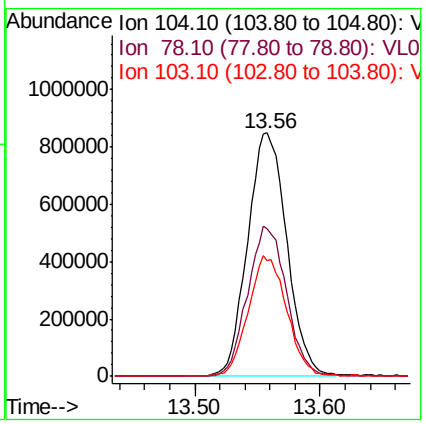


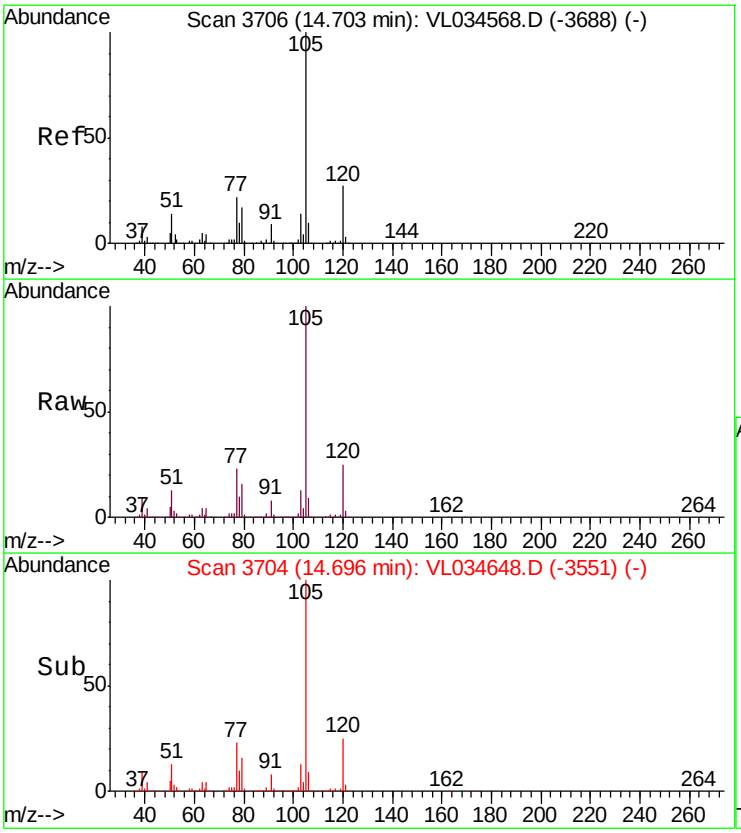
#61
Styrene
Concen: 11.880 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1850521

Ion	Ratio	Lower	Upper
104	100		
78	61.2	47.0	70.6
103	48.5	38.5	57.7

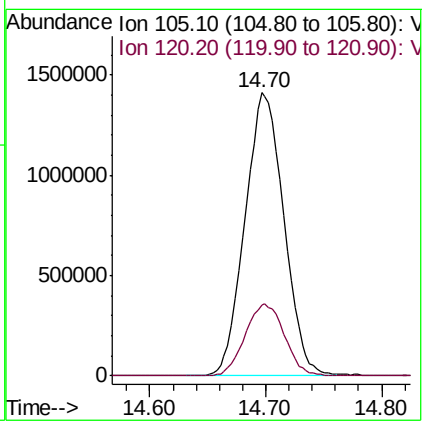


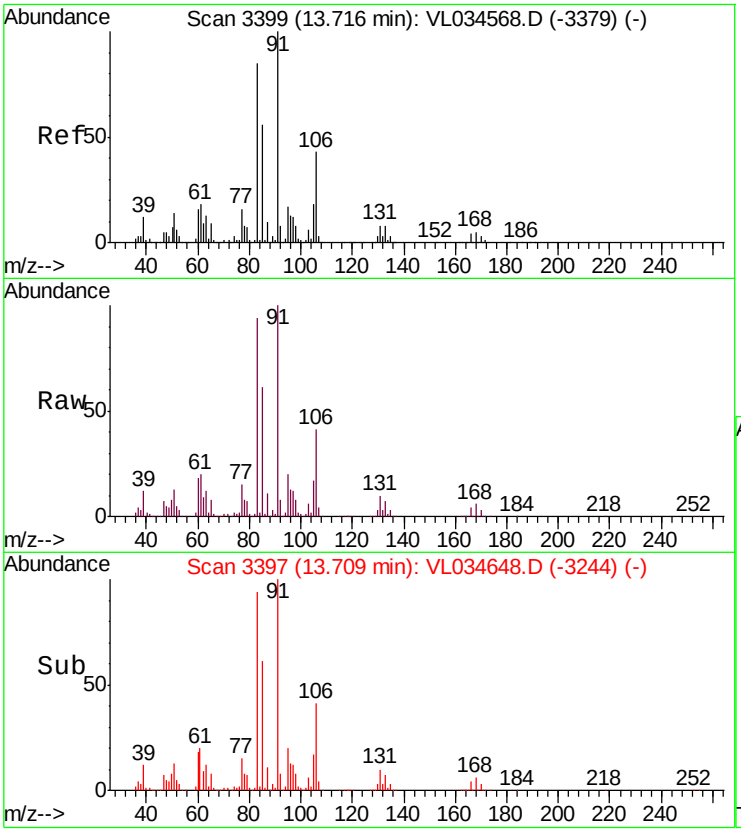


#62
Isopropylbenzene
Concen: 10.897 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:105 Resp: 3298694

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.7	31.1



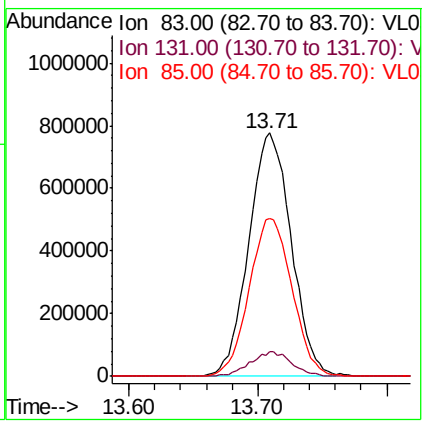


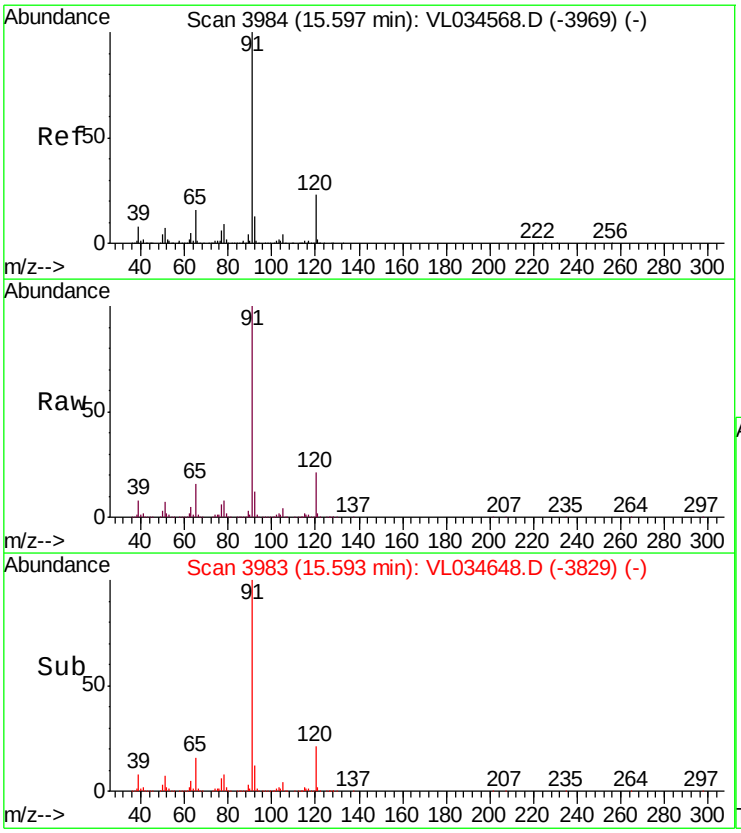
#63
1,1,2,2-Tetrachloroethane
Concen: 9.862 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1781766

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	65.7	32.6	98.0

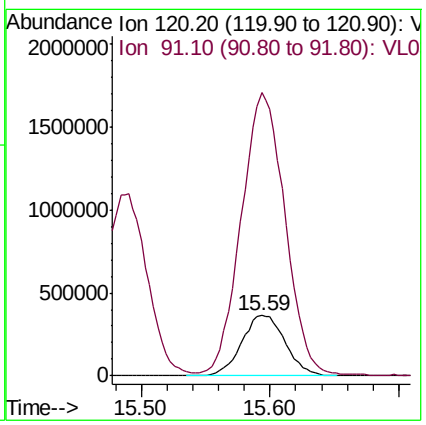


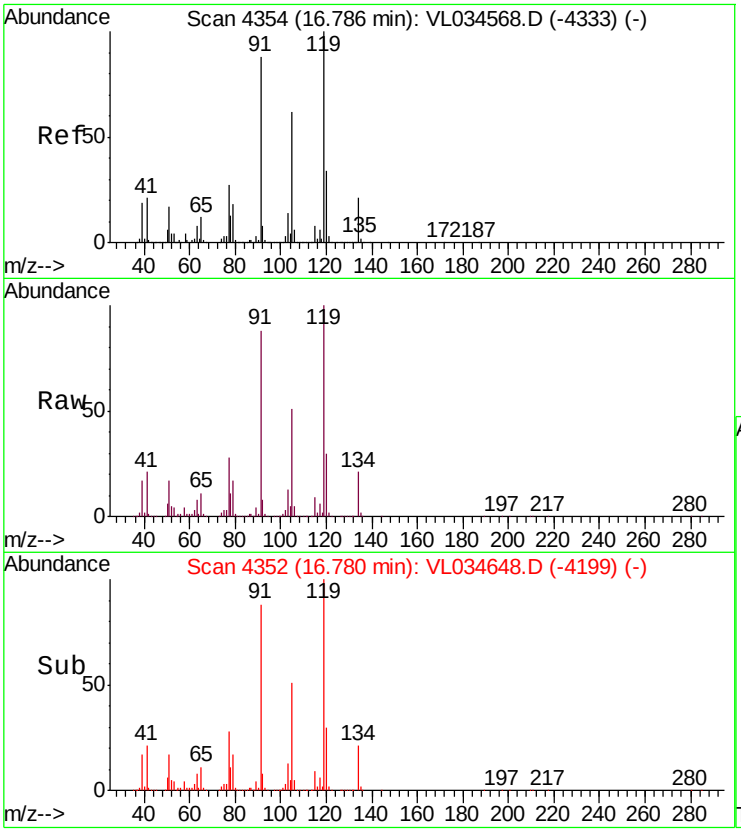


#64
n-propylbenzene
Concen: 10.986 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:120 Resp: 855628

Ion	Ratio	Lower	Upper
120	100		
91	475.7	365.3	547.9



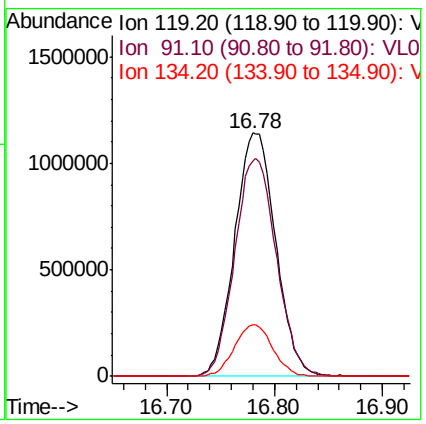


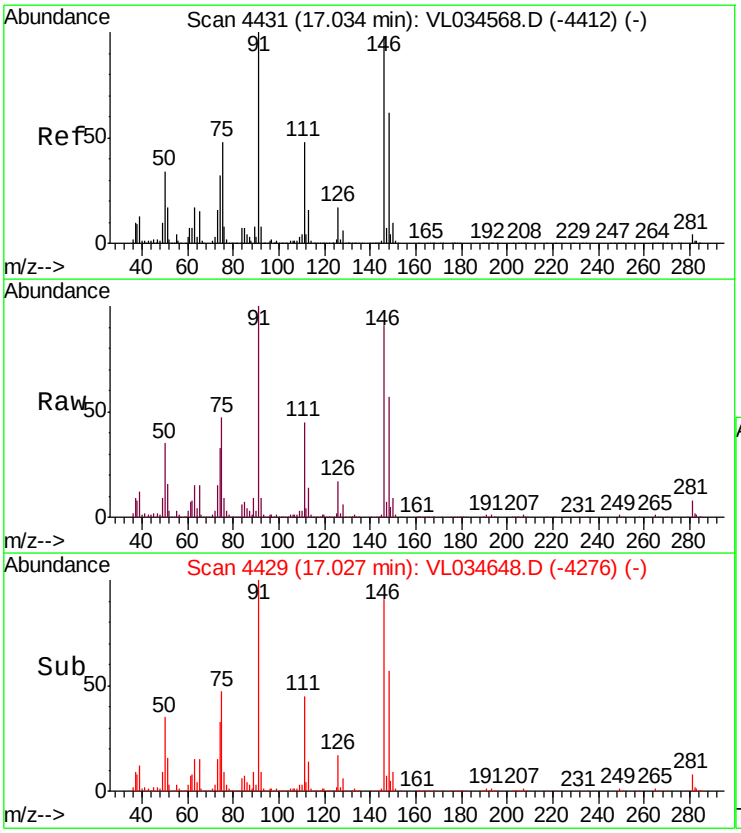
#65
tert-Butylbenzene
Concen: 11.000 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3016742

Ion	Ratio	Lower	Upper
119	100		
91	91.2	72.2	108.4
134	20.0	15.9	23.9

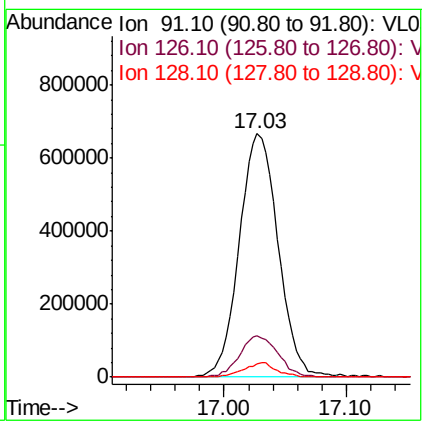


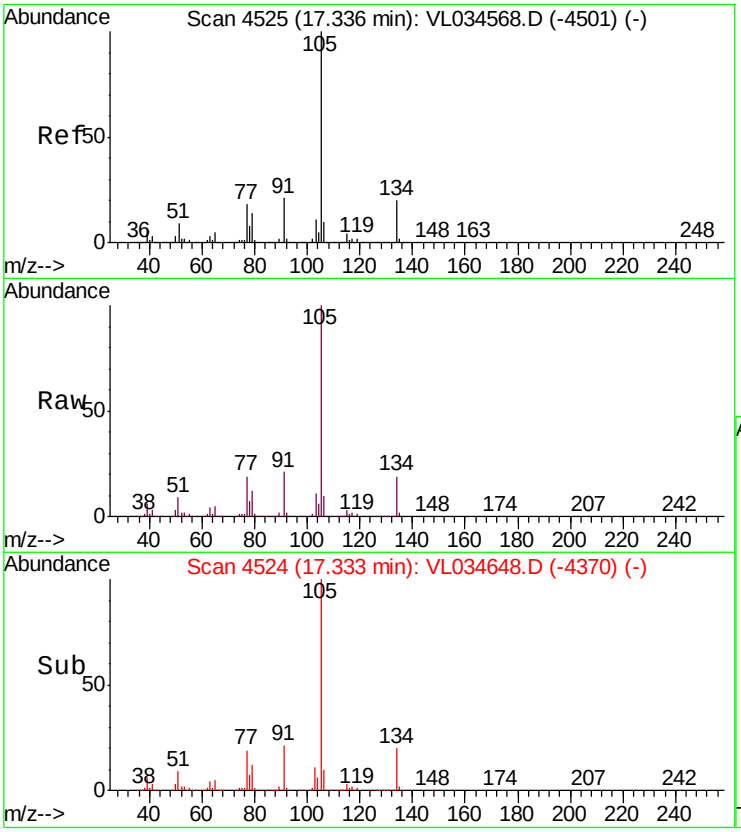


#66
Benzyl Chloride
Concen: 12.677 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 91 Resp: 1457847

Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.4	20.0
128	5.1	4.3	6.5



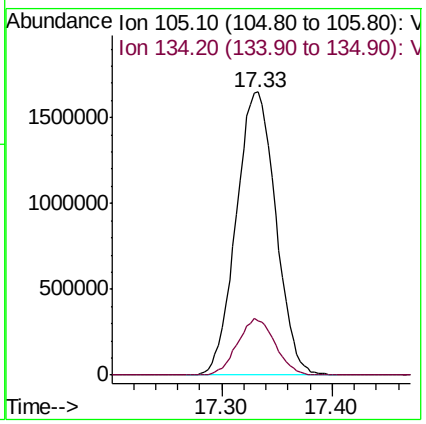


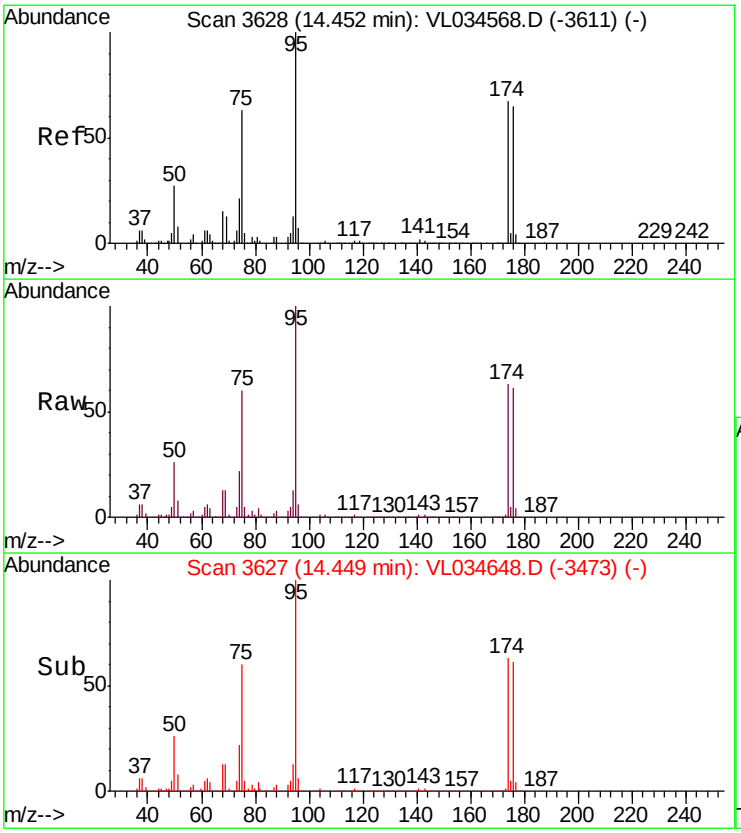
#67
sec-Butylbenzene
Concen: 10.884 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4102340

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.5	23.3

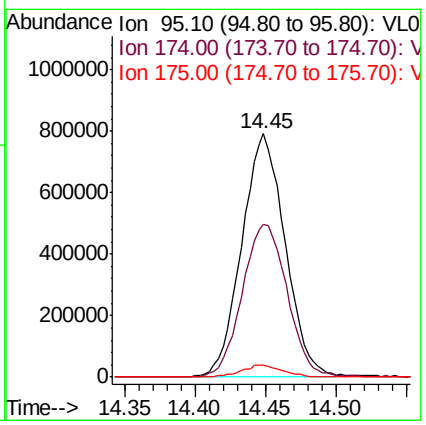


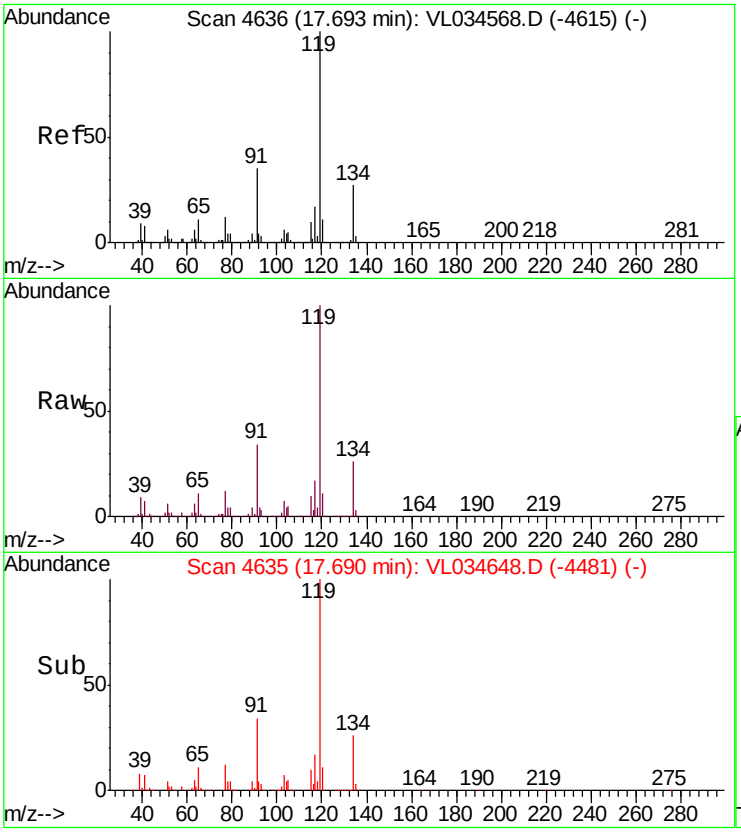


#68
1-Bromo-4-Fluorobenzene
Concen: 10.197 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 95 Resp: 1694734

Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.3	78.5
175	4.7	3.8	5.6



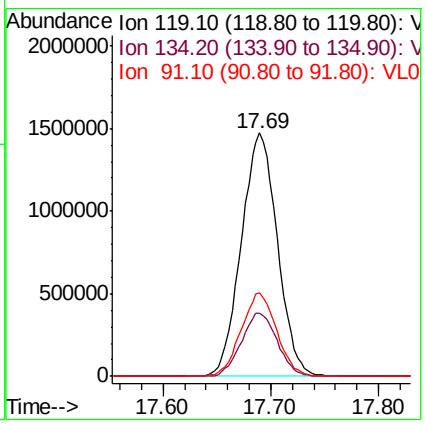


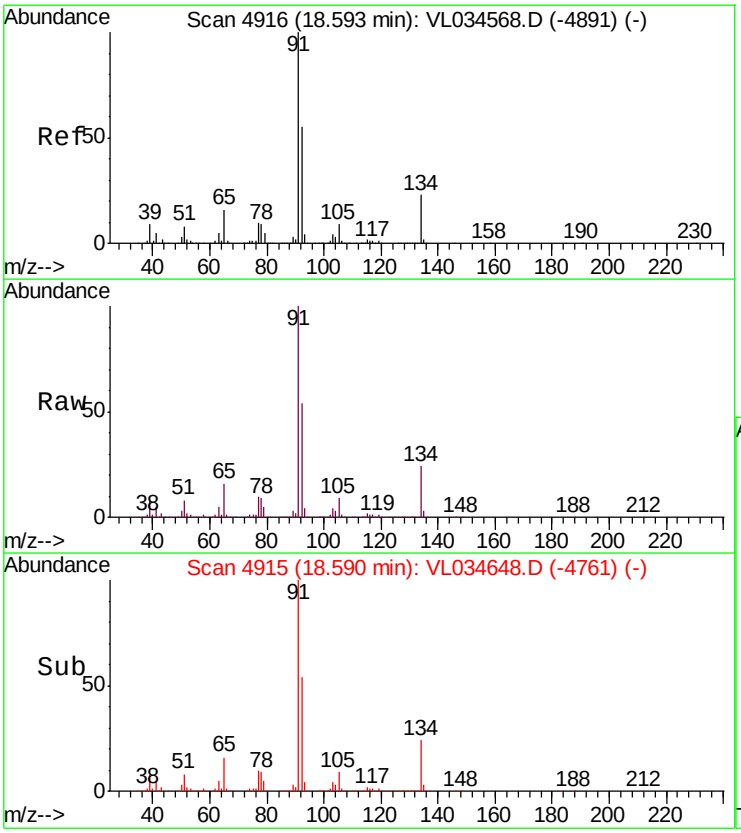
#69
p-Isopropyltoluene
Concen: 11.194 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3425879

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.7	31.1
91	33.7	26.9	40.3

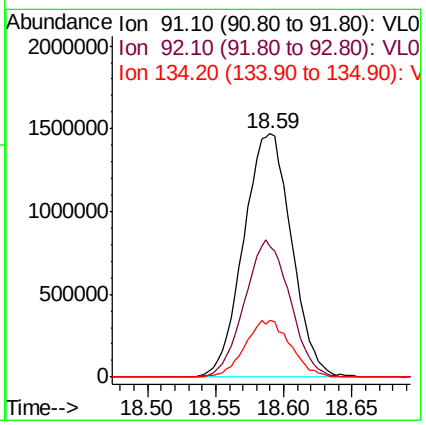


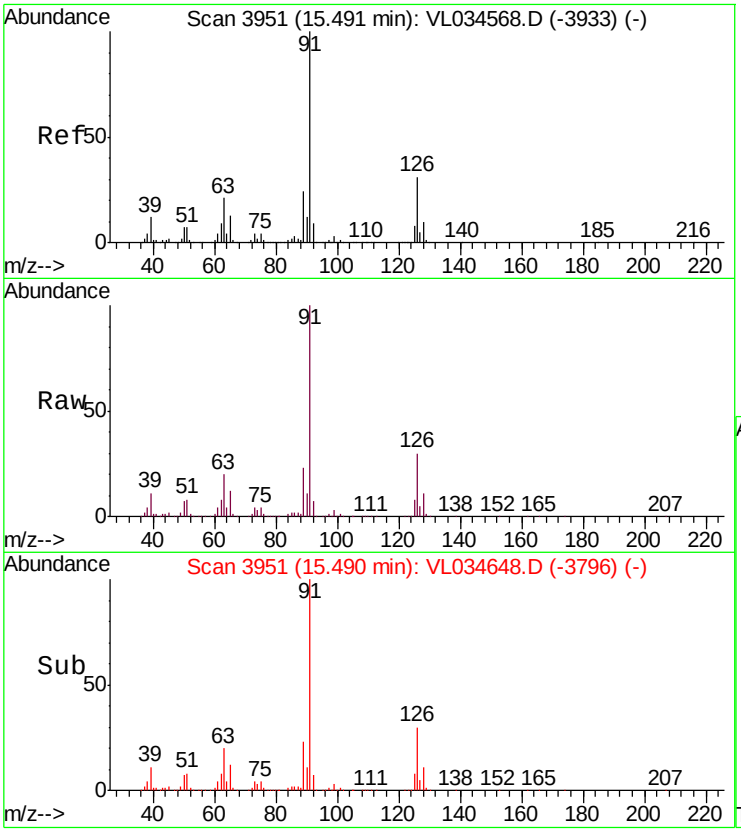


#70
n-Butylbenzene
Concen: 10.997 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 91 Resp: 3572568

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.6	65.4
134	22.2	18.2	27.4



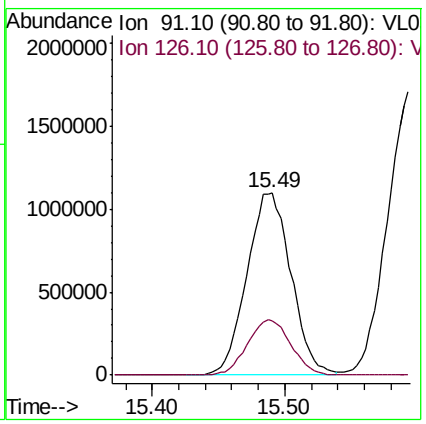


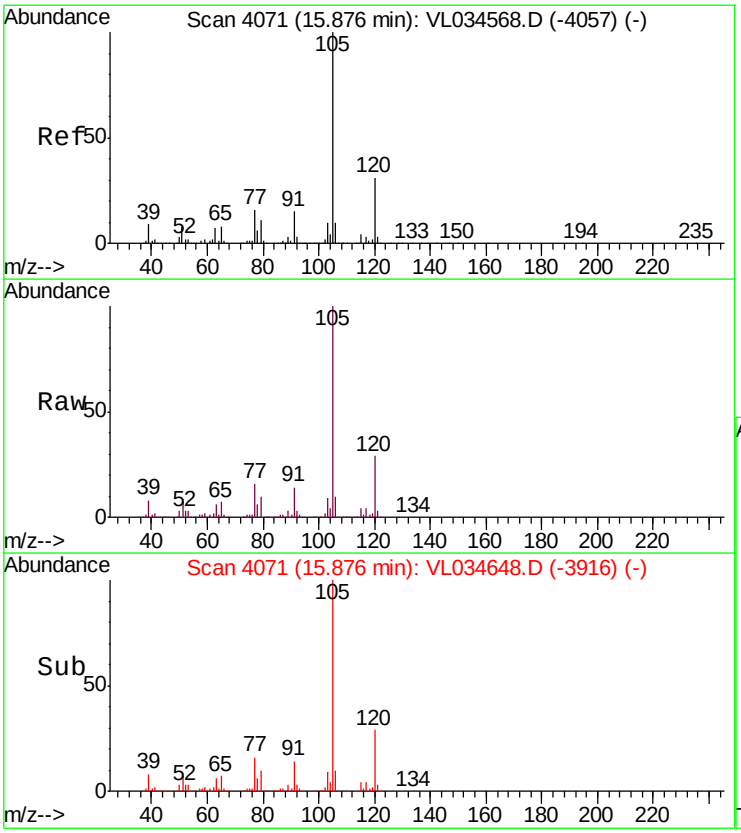
#71
2-Chlorotoluene
Concen: 11.023 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2533059

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	47.8

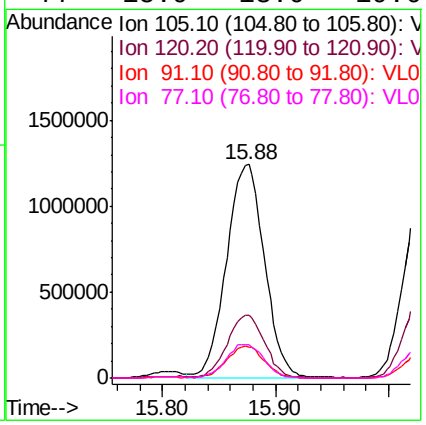


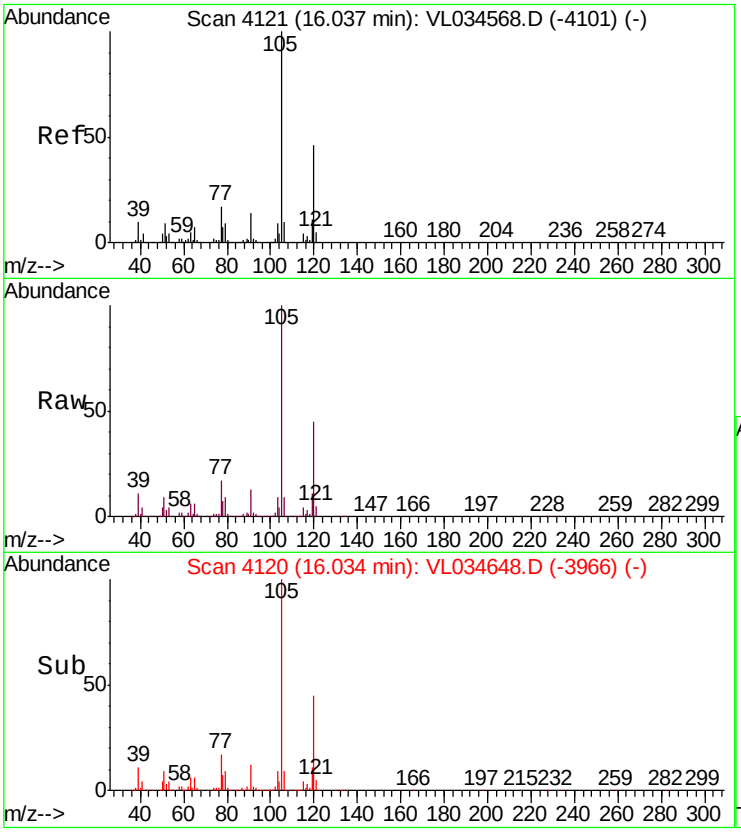


#72
4-Ethyltoluene
Concen: 11.303 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:105 Resp: 2900472

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.8	35.6
91	14.7	11.8	17.8
77	15.9	13.0	19.6



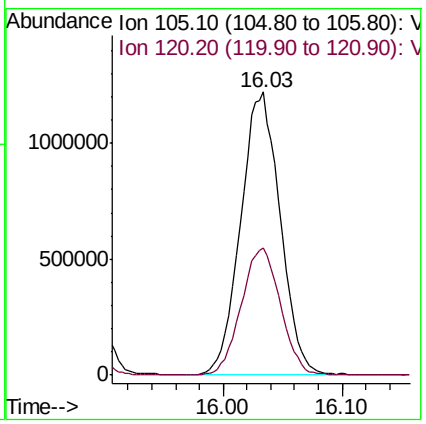


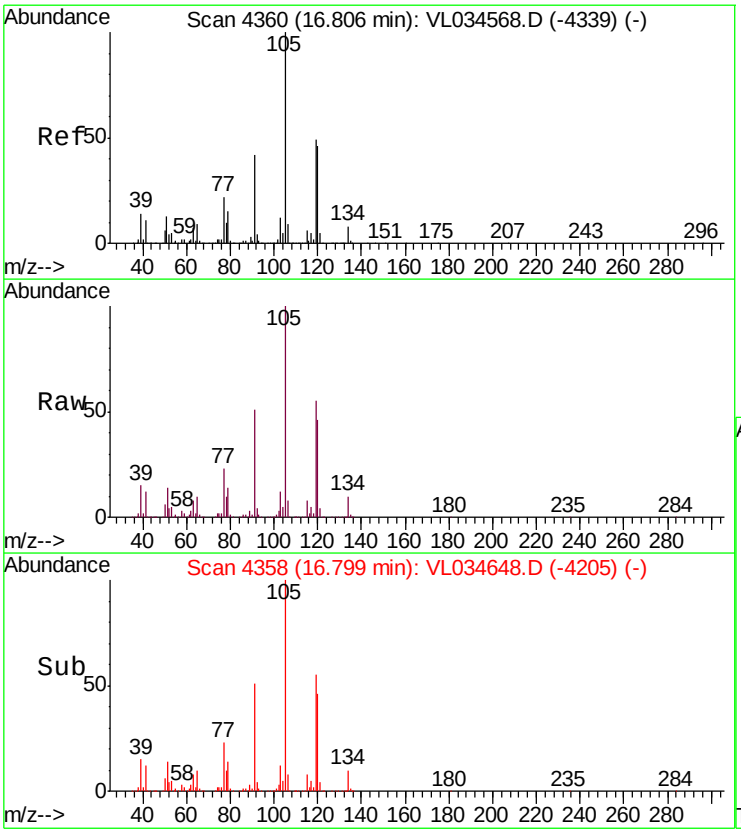
#73
1,3,5-Trimethylbenzene
Concen: 11.124 ppbv
RT: 16.03 min Scan# 4120
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2789261

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.0	55.6

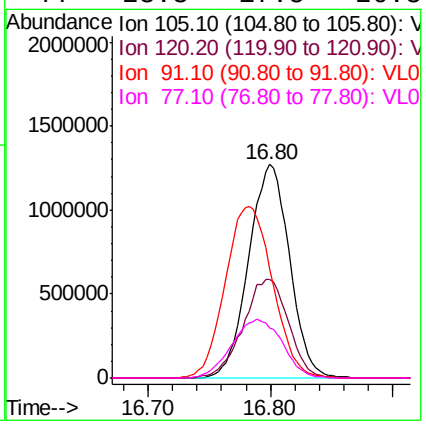


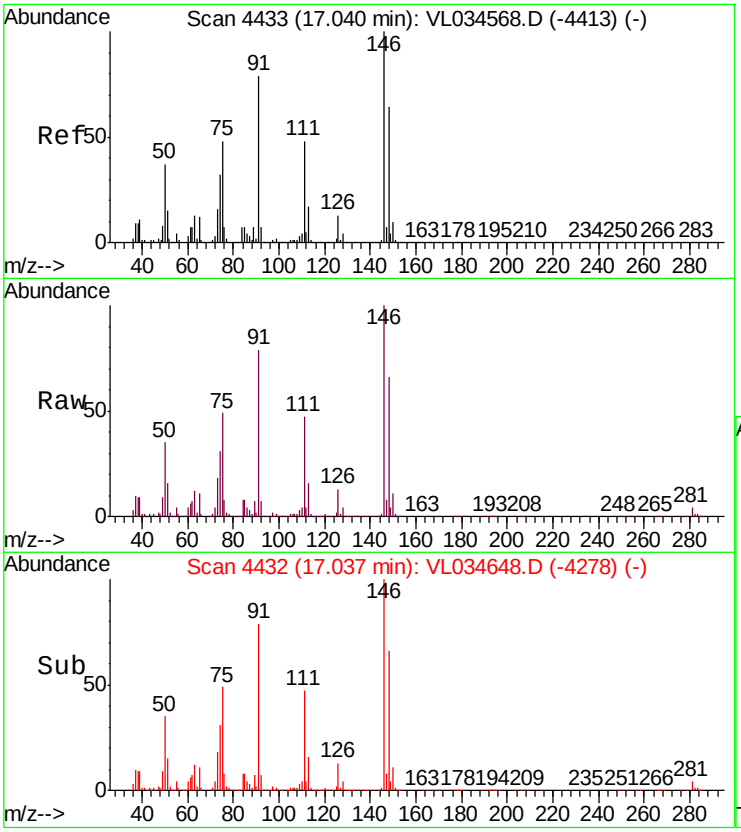


#74
1,2,4-Trimethylbenzene
Concen: 10.633 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:105 Resp: 2951544

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.1	55.7
91	50.7	34.3	51.5
77	23.3	17.5	26.3



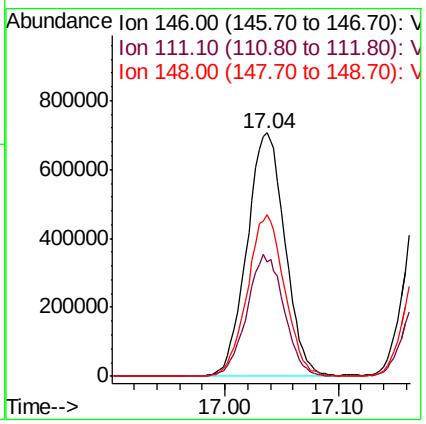


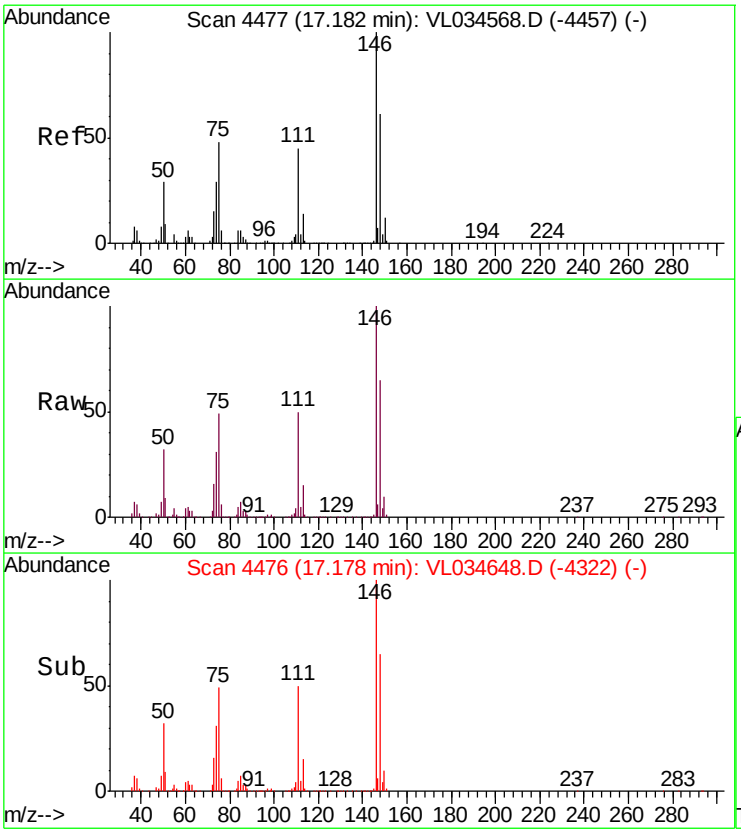
#75
1,3-Dichlorobenzene
Concen: 10.317 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1649016

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.7	74.1
148	65.0	32.8	98.4

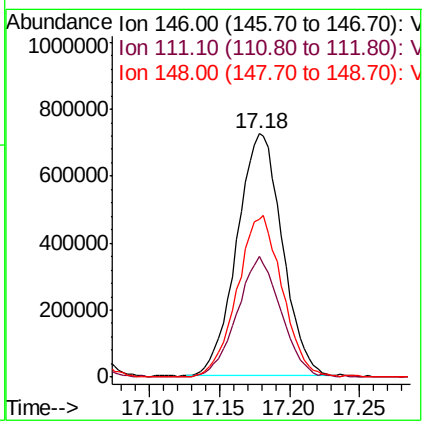


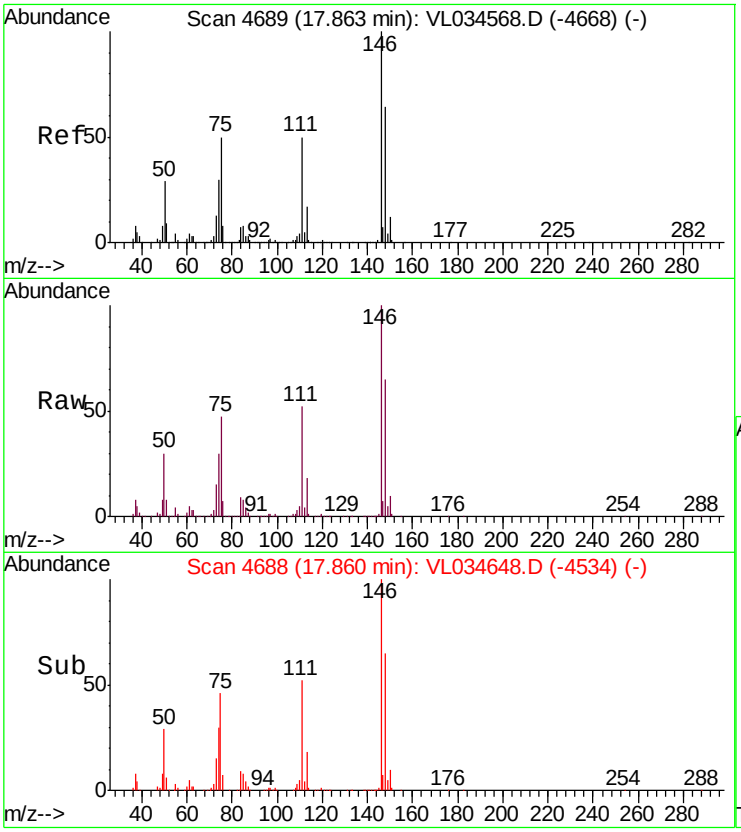


#76
1,4-Dichlorobenzene
Concen: 10.379 ppbv
RT: 17.18 min Scan# 4476
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:146 Resp: 1634952

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.1	72.2
148	66.1	32.6	98.0



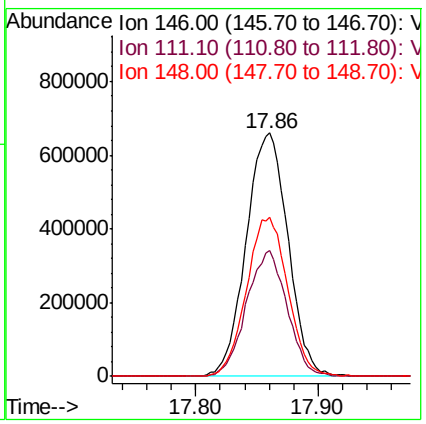


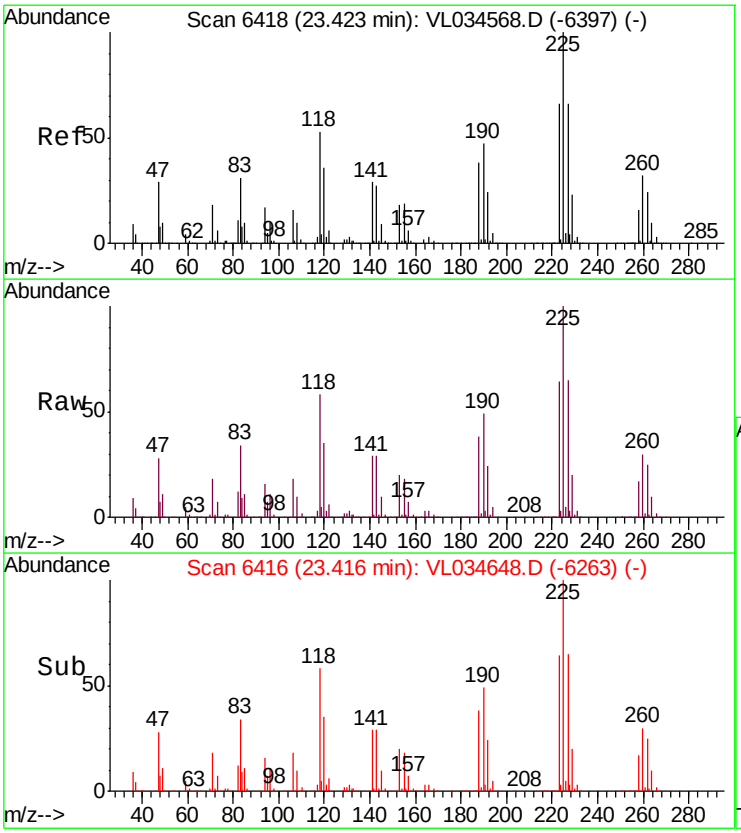
#77
1,2-Dichlorobenzene
Concen: 10.179 ppbv
RT: 17.86 min Scan# 4688
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1562863

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.1	75.3
148	64.6	32.2	96.6

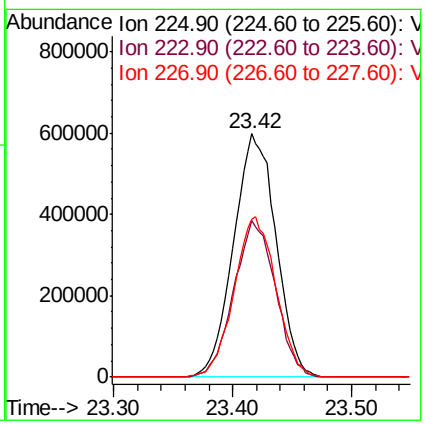


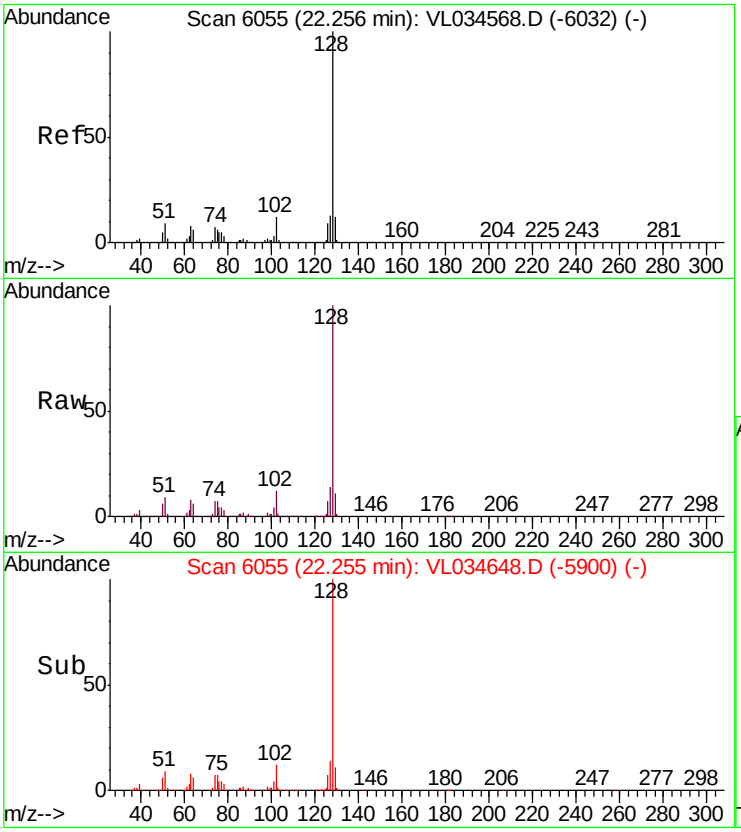


#78
Hexachloro-1,3-Butadiene
Concen: 10.037 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:225 Resp: 1473620

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.9	76.3
227	65.1	51.6	77.4



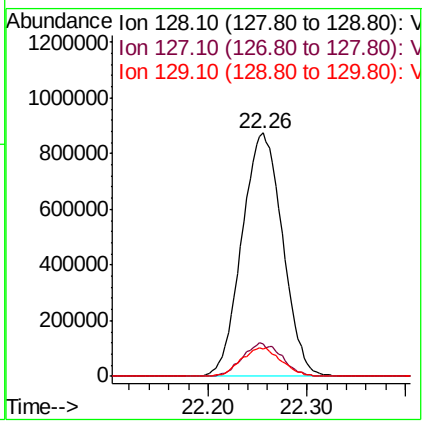


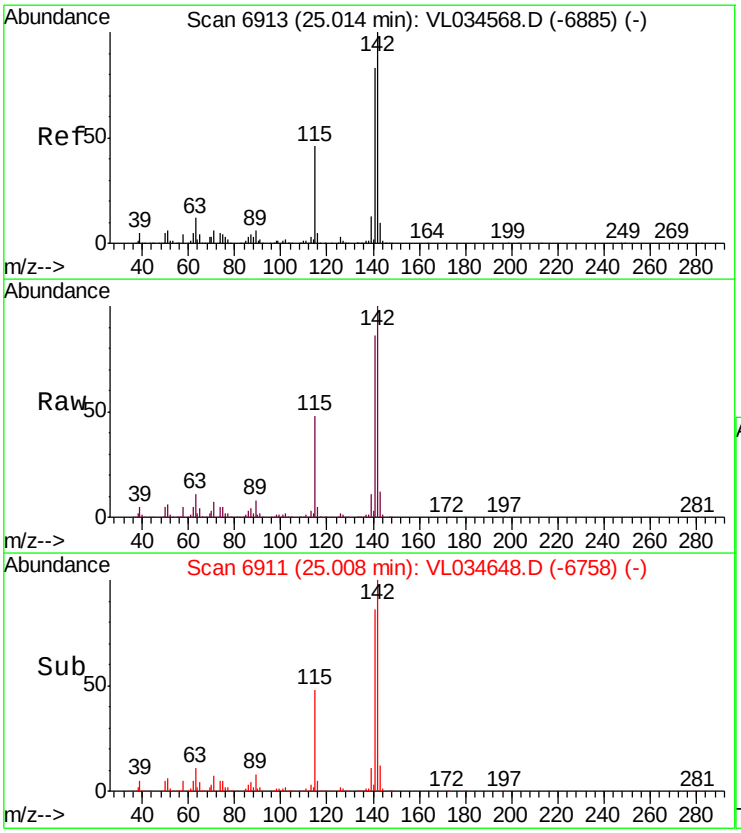
#79
Naphthalene
Concen: 11.401 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2491437

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	11.3	9.3	13.9

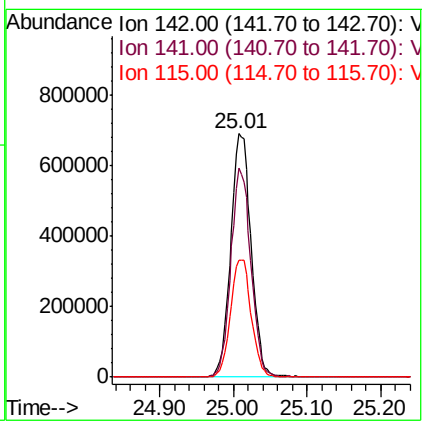


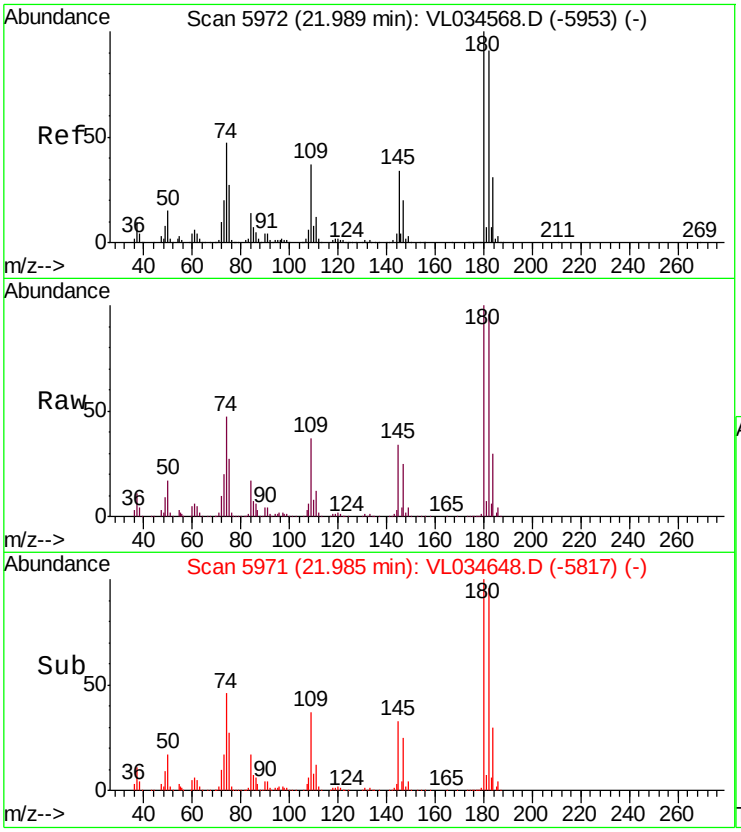


#80
Naphthalene,2-methyl-
Concen: 15.793 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.01 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Tgt Ion:142 Resp: 1327745

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.0	100.4
115	49.1	39.5	59.3





#81
1,2,4-Trichlorobenzene
Concen: 5.601 ppbv
RT: 21.99 min Scan# 5971
Delta R.T. -0.00 min
Lab File: VL034648.D
Acq: 19 Feb 2020 11:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 754580

Ion	Ratio	Lower	Upper
180	100		
182	196.3	77.8	116.6#
184	62.5	25.4	38.0#