Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120319\

Quantitation Report (Not Reviewed)

Data File : VL034453.D
Acq On : 3 Dec 2019 10:15
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 12:12:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	958137	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1923419	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2069983	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1686842	9.69	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1864238	10.755	ppbv	99
3) Chlorodifluoromethane	2.96	51	1090270	9.120	ppbv	98
4) Chloromethane	3.12	50	663087	9.404	ppbv	99
5) Vinyl Chloride	3.24	62	615254	9.313	ppbv	93
6) Bromomethane	3.46	94	321994	9.686	ppbv	96
7) Chloroethane	3.54	64	225195	9.391	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1441737	9.262	ppbv	100
9) Propene	2.99	41	471866	8.891	ppbv	98
10) Heptane	8.16	43	1258127	9.186	ppbv	100
11) Trichlorofluoromethane	3.94	101	1640197	9.508	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1110898	9.697	ppbv	98
13) Ethanol	3.59	45	102261	6.917	ppbv	95
14) Bromoethene	3.73	108	439389	9.433	ppbv	99
15) Acetone	3.84	43	1179348	8.596	ppbv	99
16) 1,3-Butadiene	3.31	39	561875	9.401	ppbv	98
17) tert-Butyl alcohol	4.29	59	1010976	8.766	ppbv	99
18) 1,1-Dichloroethene	4.29	96	486566	9.710	ppbv	94
19) Isopropyl Alcohol	3.96	45	805169	9.156	ppbv #	99
20) Methylene Chloride	4.34	84	431017	8.859	ppbv	93
21) Allyl Chloride	4.41	41	845196	10.281	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	504251	9.982	ppbv	98
23) Vinyl Acetate	5.08	43	1744164	9.732	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1301316	9.452	ppbv	99
25) Ethyl Acetate	5.69	43	2237791	9.140	ppbv	100
26) Hexane	5.70	57	954581	9.074	ppbv	99
27) Carbon Disulfide	4.55	76	1272260	11.103	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1673442	9.593	ppbv	100
29) Chloroform	5.77	83	1580917	9.280	ppbv	97
30) Cyclohexane	7.17	84	745812	9.377	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1030872	9.482	ppbv	100
32) 1,1,1-Trichloroethane	6.54	97	1606836	10.060	ppbv	99
34) 2-Butanone	5.26	43	1476315	9.325	ppbv	99
35) Carbon Tetrachloride	7.05	117	1698336	10.270	ppbv	96
36) Benzene	6.92	78	1804601	9.386	ppbv	95
37) 1,2-Dichloroethane	6.34	62	1395055	9.767	ppbv	99
38) Trichloroethene	7.88	130	728476	9.232	ppbv	98
39) 1,2-Dichloropropane	7.65	63	749129	10.113	ppbv	93
40) 1,4-Dioxane	7.87	88	277200	8.567	ppbv #	100
41) Tetrahydrofuran	6.07	42	831008	9.358	ppbv	99
42) Bromodichloromethane	7.83	83	1760454	9.855	ppbv	97
43) Methyl Methacrylate	8.05	69	475731	5.965	ppbv #	26

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120319\

Quantitation Report (Not Reviewed)

Data File : VL034453.D
Acq On : 3 Dec 2019 10:15
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 12:12:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3237570	9.214	ppbv		100
45) t-1,3-Dichloropropene	9.33	75	1104513	10.800	ppbv		97
46) cis-1,3-Dichloropropene	8.75	75	1201138	10.456	ppbv		97
47) 1,1,2-Trichloroethane	9.53	97	780741	9.475	ppbv		96
48) Dibromochloromethane	10.36	129	1453783	10.276	ppbv		99
49) Bromoform	13.11	173	1325514	10.495	ppbv		100
50) 4-Methyl-2-Pentanone	8.78	43	2193272	9.575	ppbv		100
51) 2-Hexanone	10.18	43	1841402	9.597	ppbv	#	98
52) Tetrachloroethene	11.28	164	686981	8.258	ppbv		98
53) Toluene	9.86	91	2097652	9.605	ppbv		100
54) 1,2-Dibromoethane	10.67	107	1181946	9.356	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.19	131	969505	9.575	ppbv		96
57) Chlorobenzene	12.21	112	1630432	8.713	ppbv		98
58) Ethyl Benzene	12.77	91	2920388	9.091	ppbv		100
59) m/p-Xylene	13.06	91	1532286	5.518	ppbv	#	1
60) o-Xylene	13.76	91	2457779	8.952	ppbv		99
61) Styrene	13.59	104	1813656	9.161	ppbv		100
62) Isopropylbenzene	14.73	105	3192572	8.792	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1716591	8.318	ppbv		100
64) n-propylbenzene	15.63	120	838478	8.892	ppbv		98
65) tert-Butylbenzene	16.82	119	2831606	8.682	ppbv		100
66) Benzyl Chloride	17.07	91	1450089	11.557	ppbv		99
67) sec-Butylbenzene	17.37	105	3958958	8.677	ppbv		99
69) p-Isopropyltoluene	17.73	119	3289711	8.688	ppbv		99
70) n-Butylbenzene	18.63	91	3508125	8.611	ppbv		99
71) 2-Chlorotoluene	15.53	91	2511895	8.676	ppbv		100
72) 4-Ethyltoluene	15.91	105	2821515	8.894	ppbv		99
73) 1,3,5-Trimethylbenzene	16.07	105	2701415	8.700	ppbv		97
74) 1,2,4-Trimethylbenzene	16.84	105	2800029	8.489	ppbv		96
75) 1,3-Dichlorobenzene	17.08	146	1591533	8.394	ppbv		100
76) 1,4-Dichlorobenzene	17.22	146	1590814	8.641	ppbv		99
77) 1,2-Dichlorobenzene	17.90	146	1549130	8.460	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	1406927	8.942	ppbv		99
79) Naphthalene	22.30	128	2380337	8.325	ppbv		97
80) Naphthalene,2-methyl-	25.04	142	1307825	10.129	ppbv		99
81) 1,2,4-Trichlorobenzene	22.03	180	1434398	8.166	ppbv		99

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

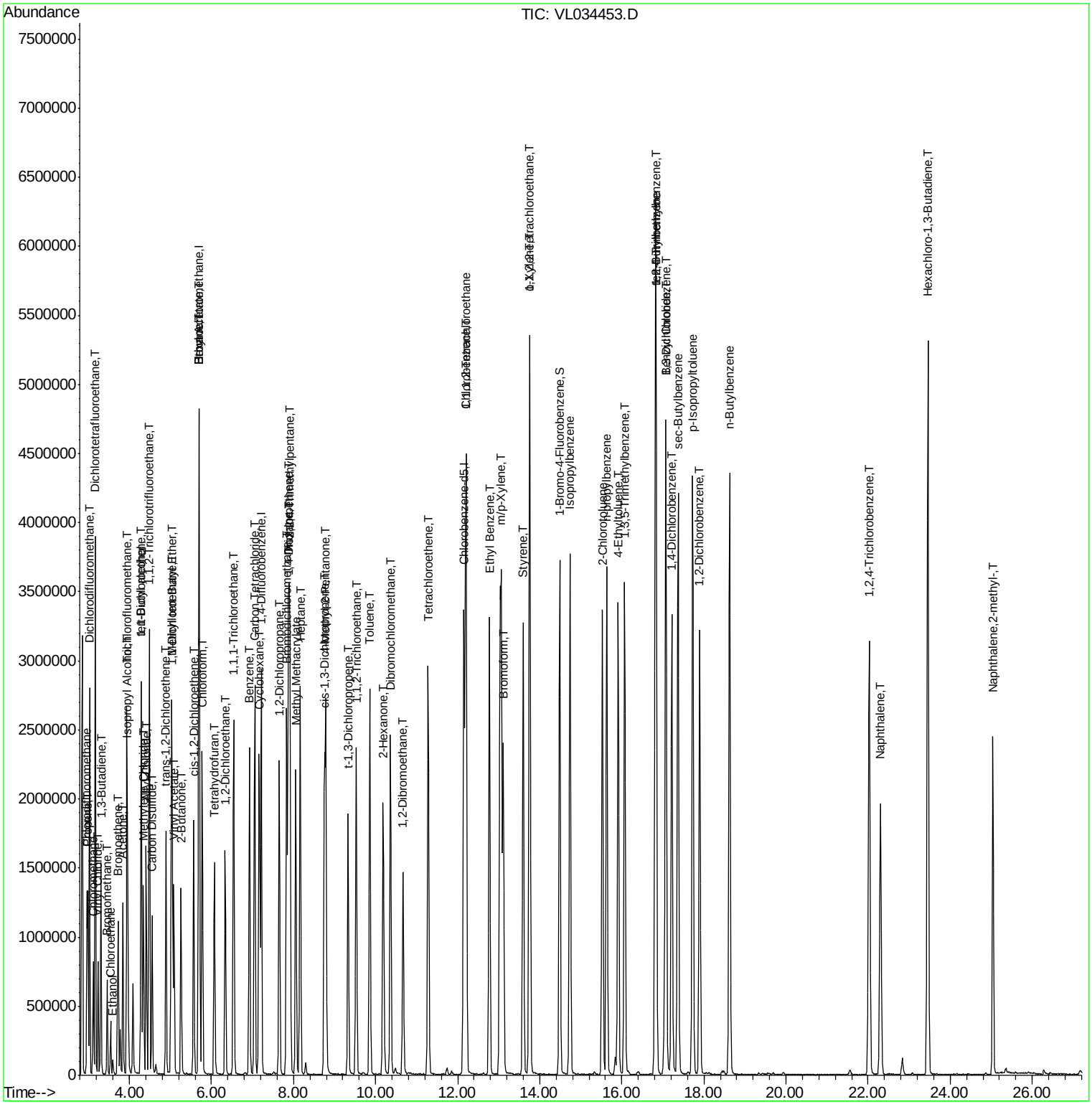
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120319\

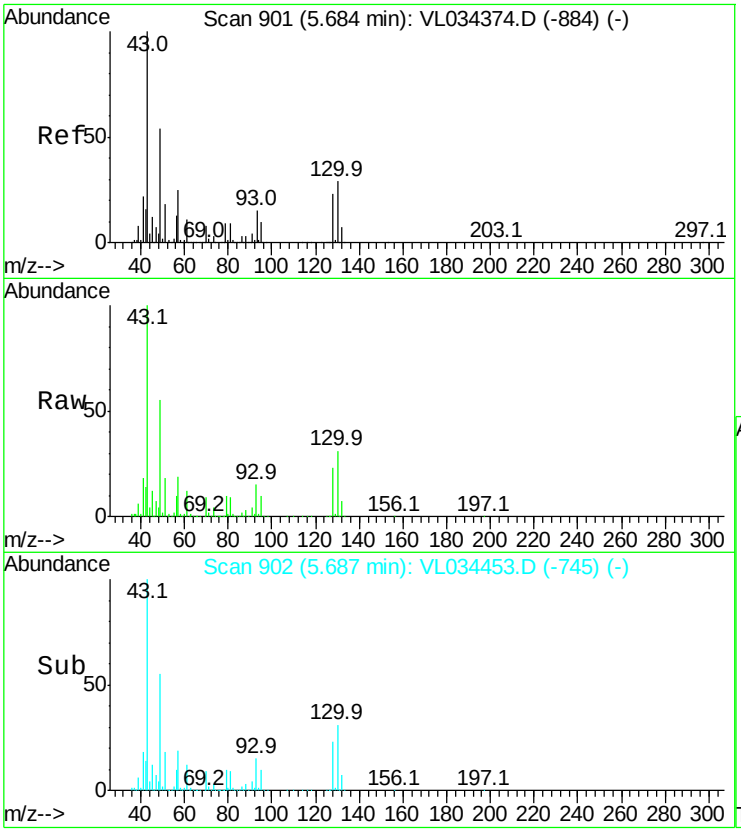
Quantitation Report (Not Reviewed)

Data File : VL034453.D
Acq On : 3 Dec 2019 10:15
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 12:12:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



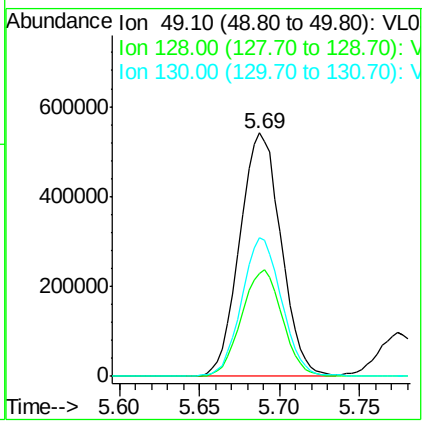


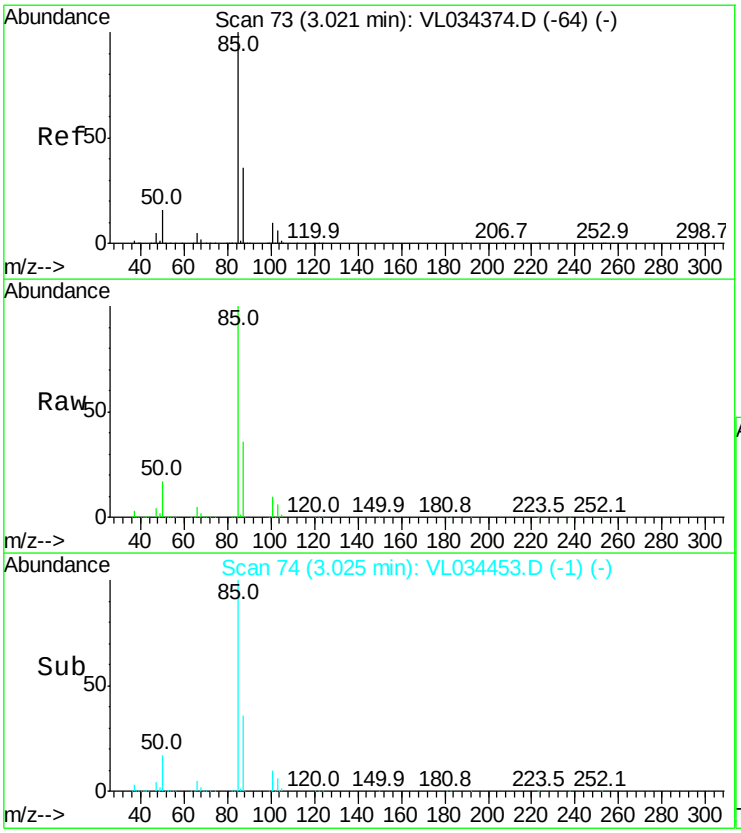
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 958137

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.8	65.3
130	55.1	28.0	84.0

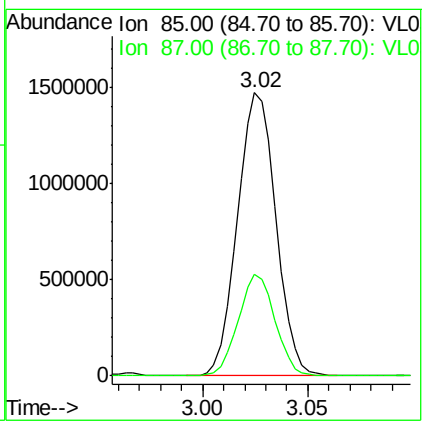


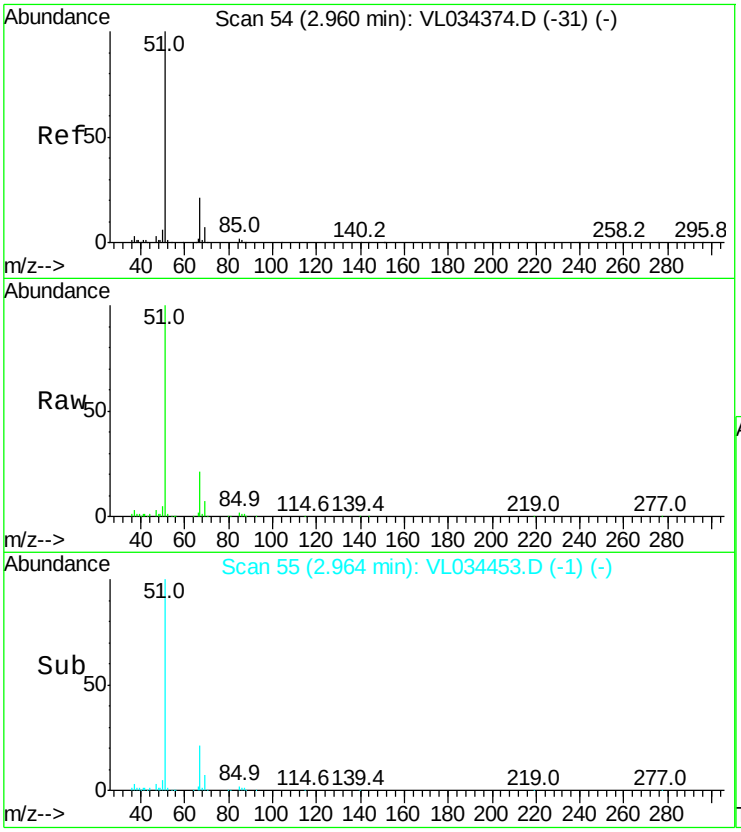


#2
Dichlorodifluoromethane
Concen: 10.755 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 85 Resp: 1864238

Ion	Ratio	Lower	Upper
85	100		
87	36.1	28.5	42.7



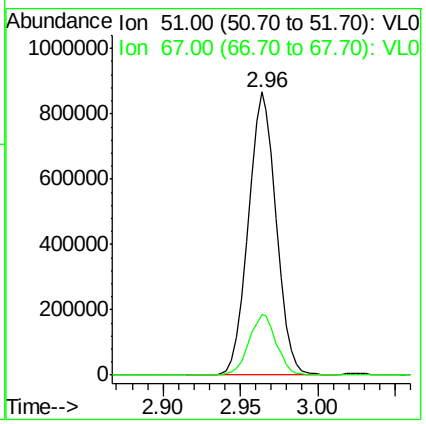


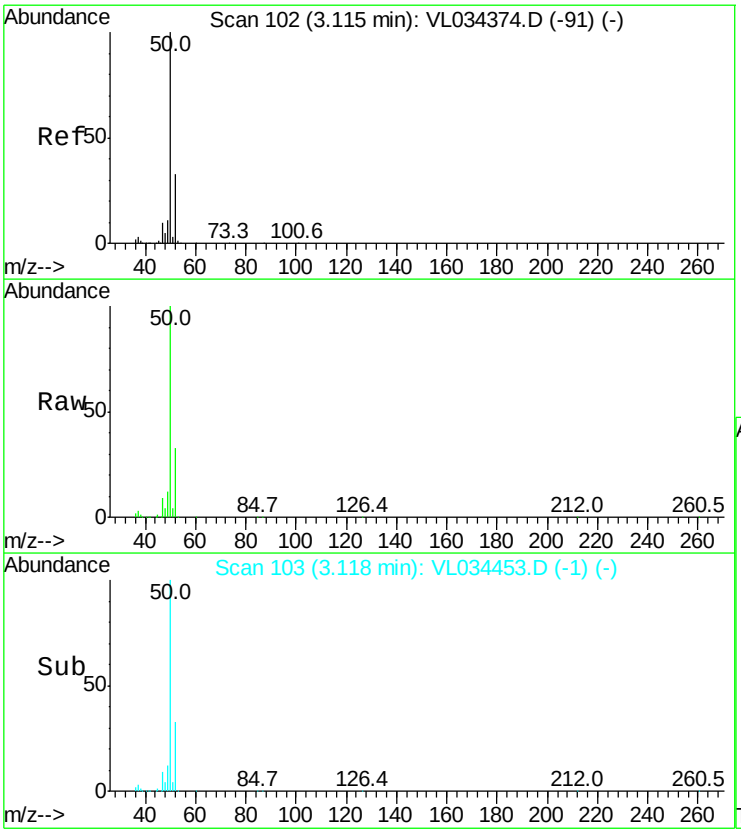
#3
Chlorodifluoromethane
Concen: 9.120 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1090270

Ion	Ratio	Lower	Upper
51	100		
67	21.1	16.2	24.2

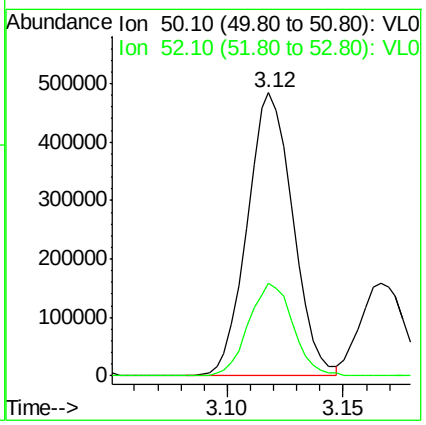


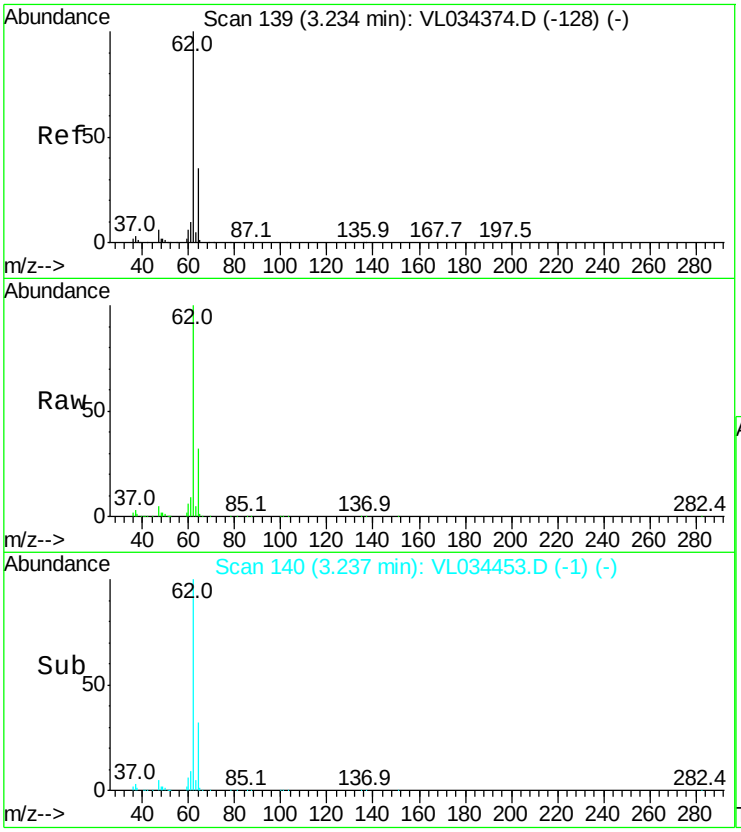


#4
Chloromethane
Concen: 9.404 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 50 Resp: 663087

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.8	40.2



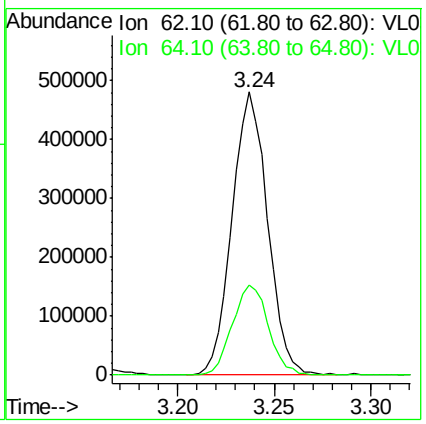


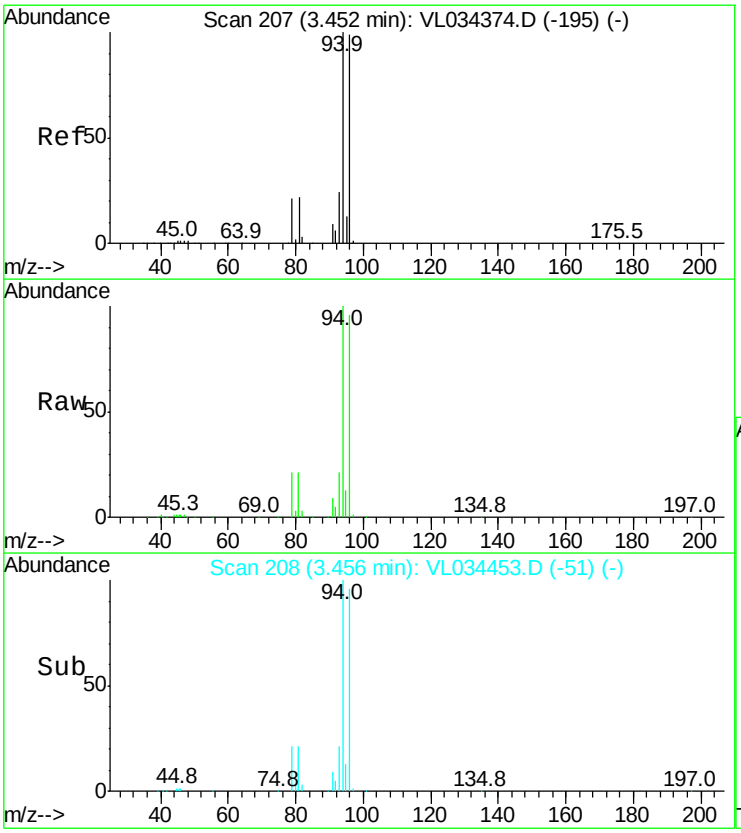
#5
Vinyl Chloride
Concen: 9.313 ppbv
RT: 3.24 min Scan# 140
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 615254

Ion	Ratio	Lower	Upper
62	100		
64	31.6	28.4	42.6

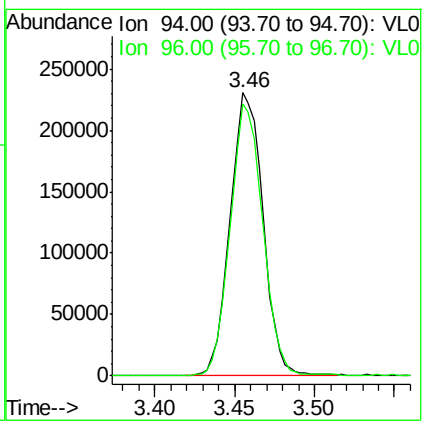


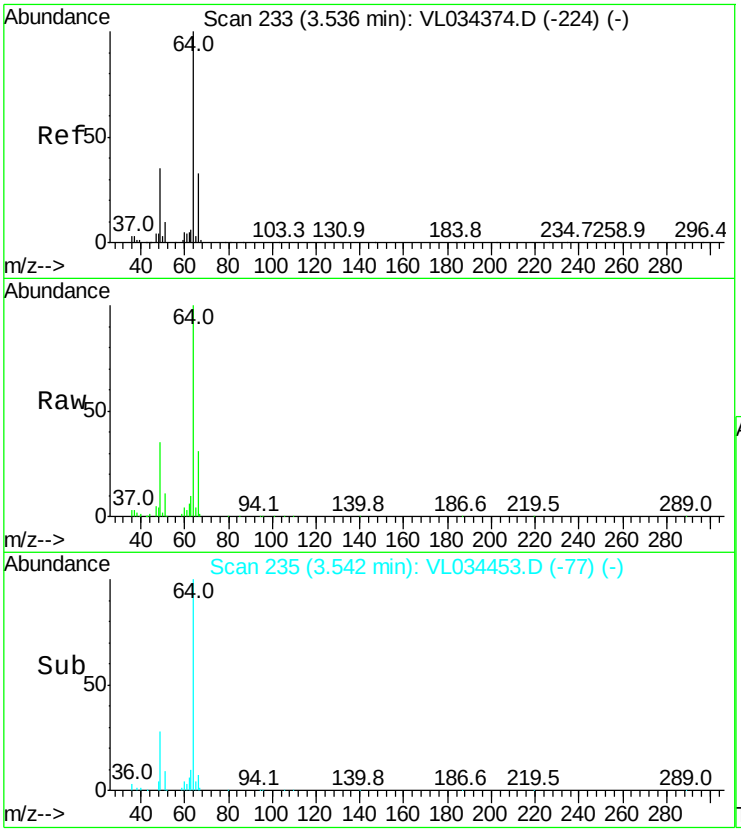


#6
Bromomethane
Concen: 9.686 ppbv
RT: 3.46 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 94 Resp: 321994

Ion	Ratio	Lower	Upper
94	100		
96	95.9	79.5	119.3



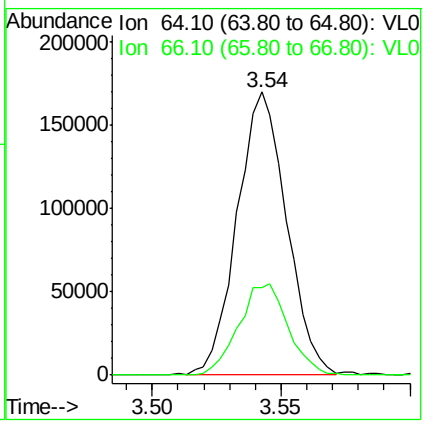


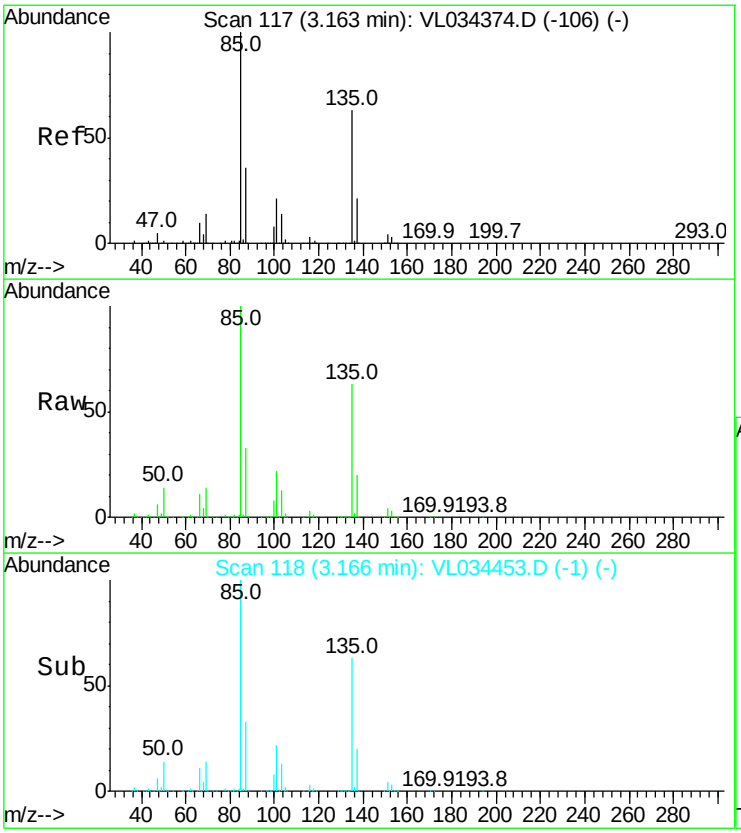
#7
Chloroethane
Concen: 9.391 ppbv
RT: 3.54 min Scan# 235
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 225195

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.0	39.0

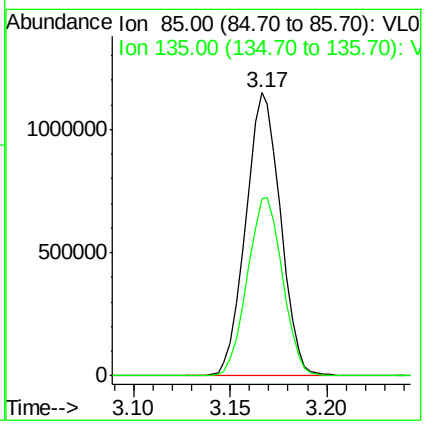


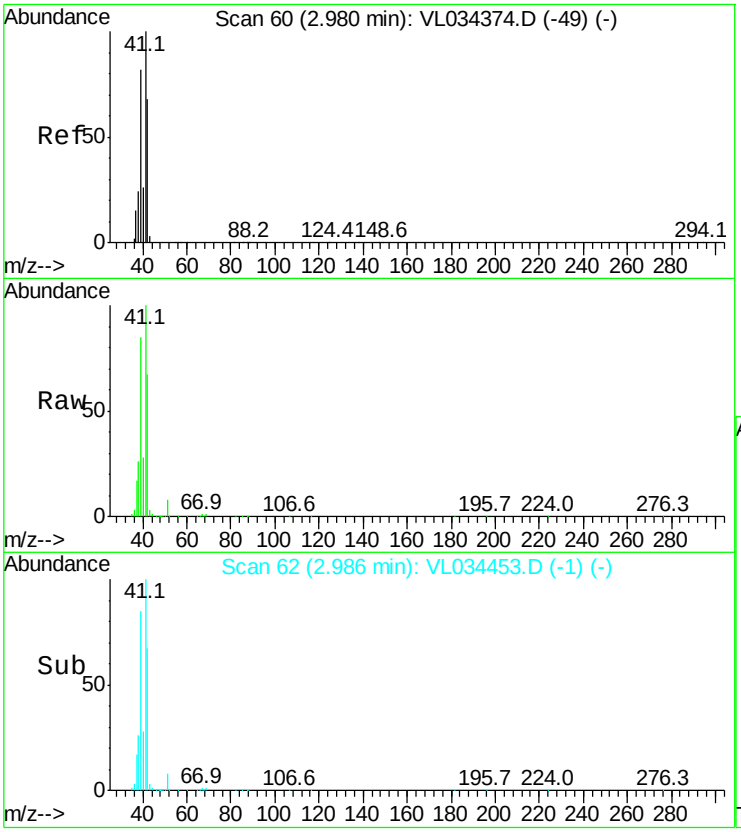


#8
Dichlorotetrafluoroethane
Concen: 9.262 ppbv
RT: 3.17 min Scan# 118
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 85 Resp: 1441737

Ion	Ratio	Lower	Upper
85	100		
135	63.9	51.1	76.7



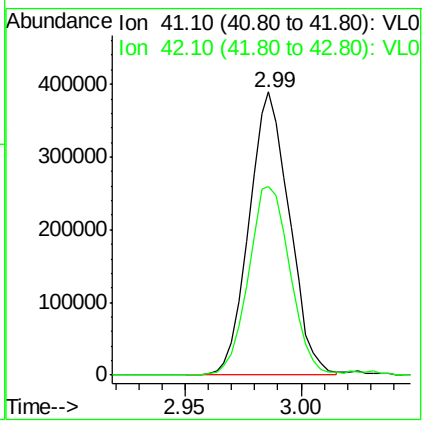


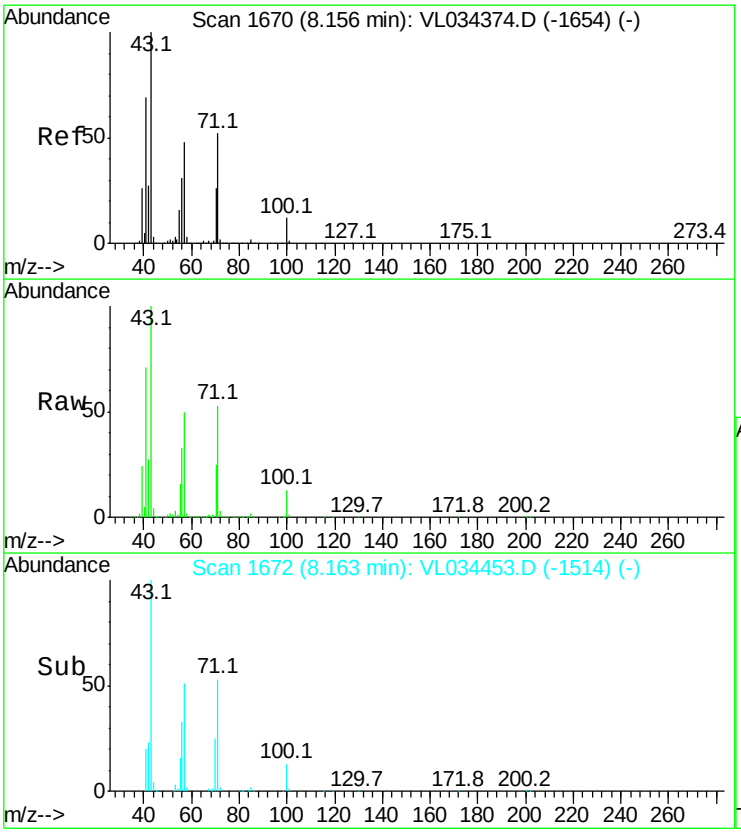
#9
Propene
Concen: 8.891 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 471866

Ion	Ratio	Lower	Upper
41	100		
42	70.2	54.6	82.0

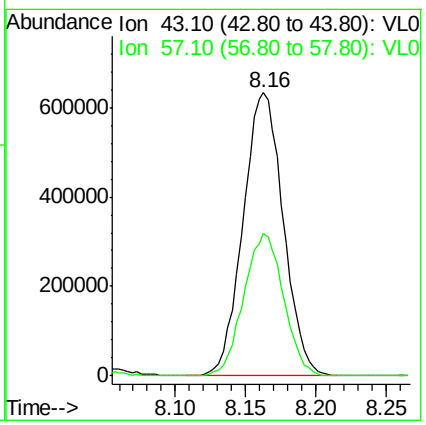


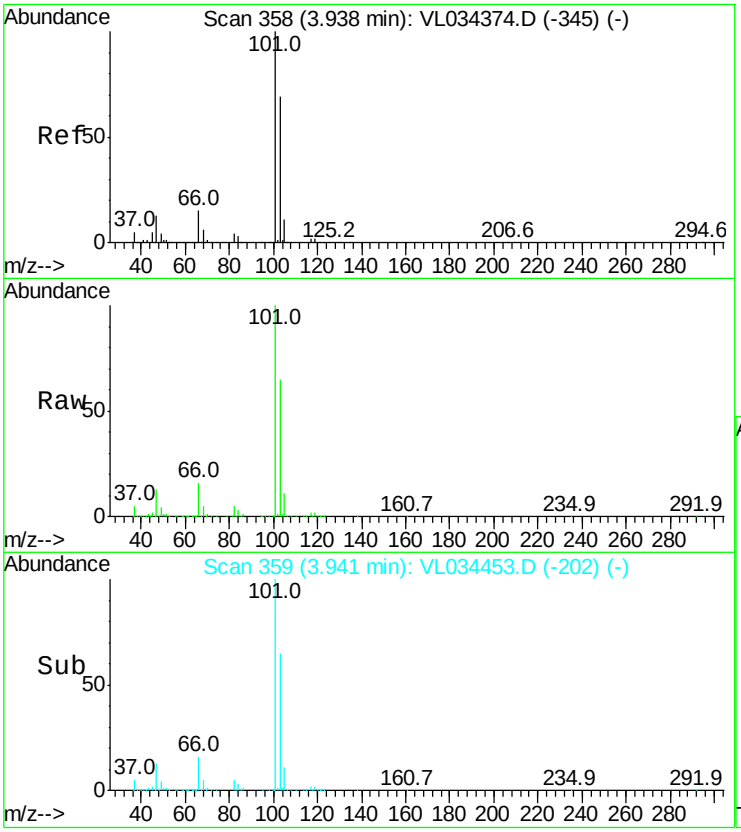


#10
Heptane
Concen: 9.186 ppbv
RT: 8.16 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 43 Resp: 1258127

Ion	Ratio	Lower	Upper
43	100		
57	50.1	40.2	60.2



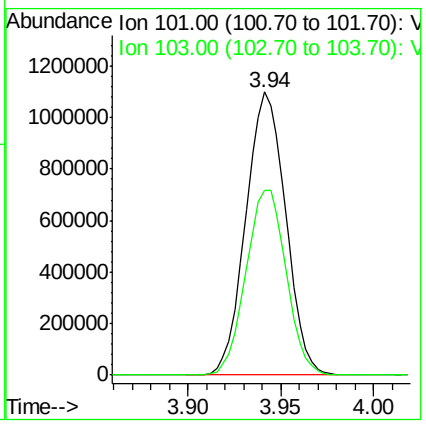


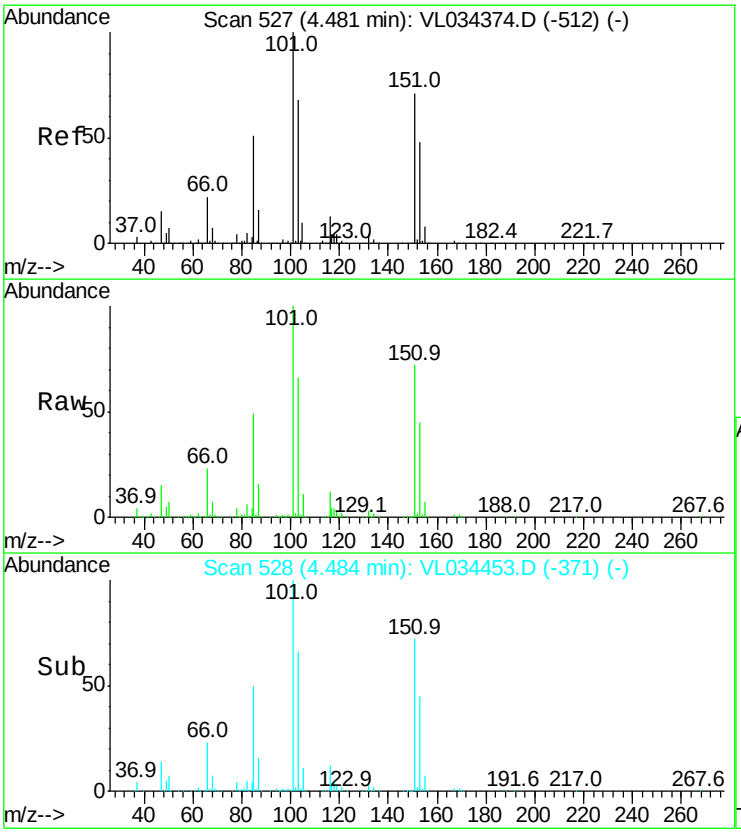
#11
Trichlorofluoromethane
Concen: 9.508 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1640197

Ion	Ratio	Lower	Upper
101	100		
103	65.3	55.4	83.0

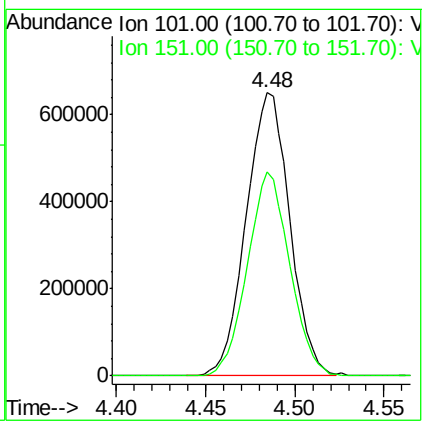


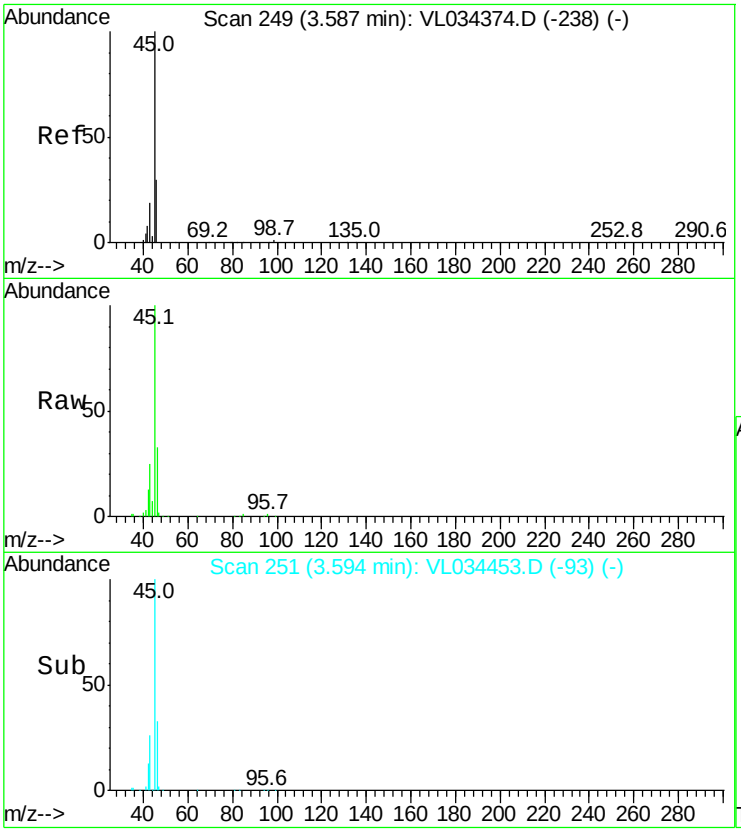


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.697 ppbv
RT: 4.48 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:101 Resp: 1110898

Ion	Ratio	Lower	Upper
101	100		
151	70.4	57.4	86.2



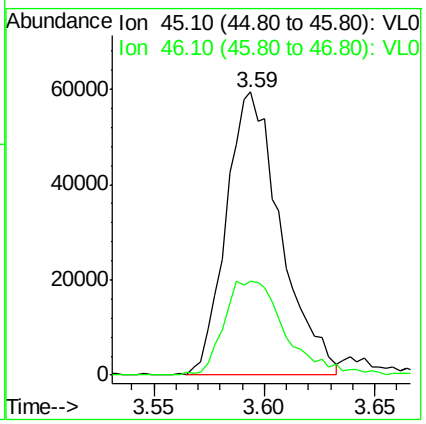


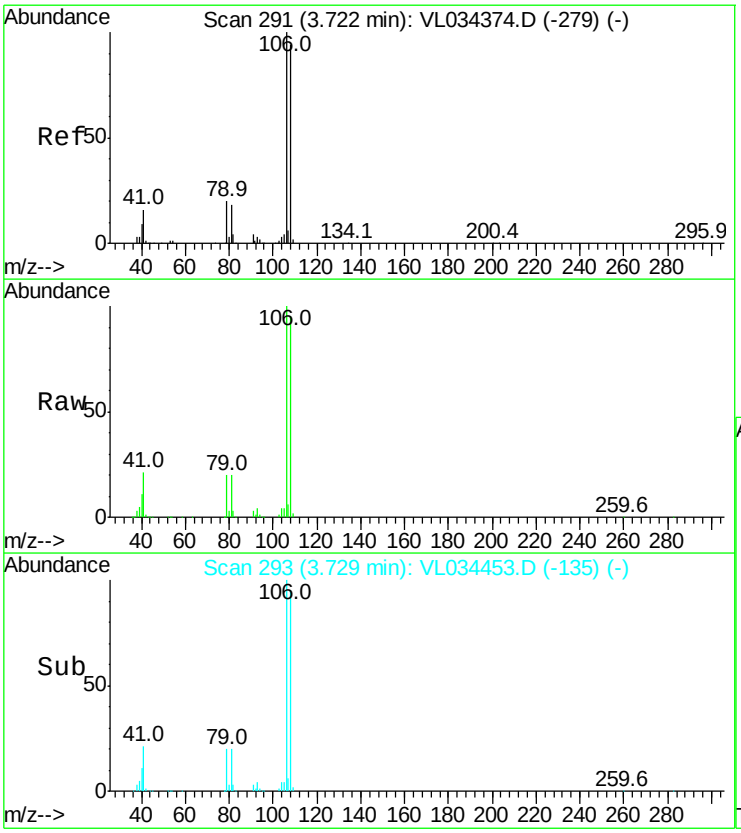
#13
Ethanol
Concen: 6.917 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 102261

Ion	Ratio	Lower	Upper
45	100		
46	37.6	13.8	55.4

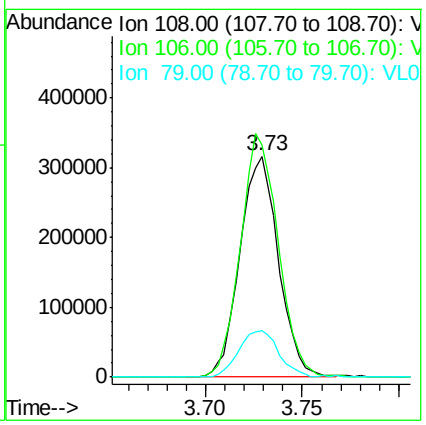


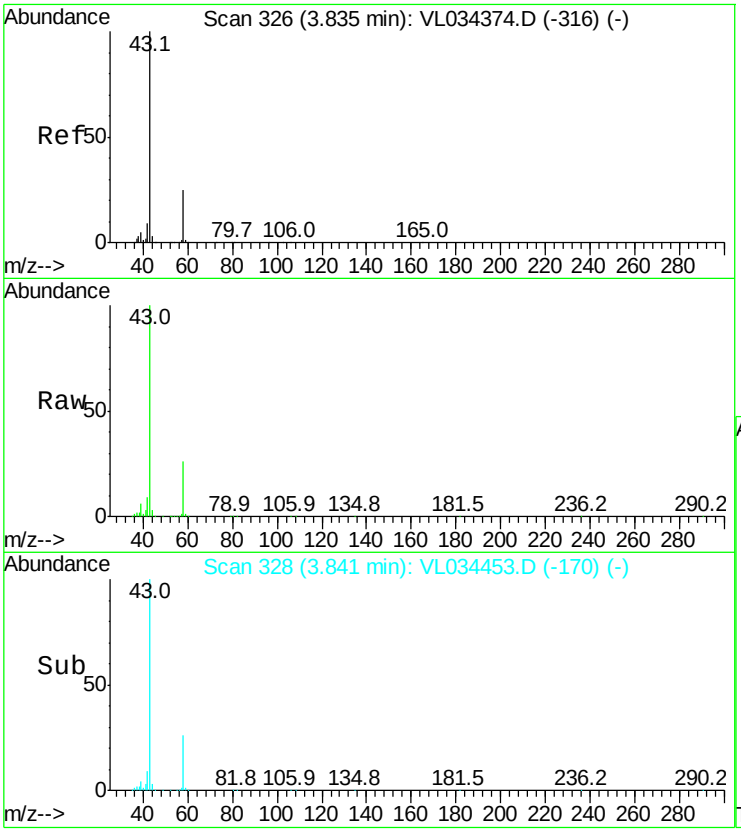


#14
Bromoethene
Concen: 9.433 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:108 Resp: 439389

Ion	Ratio	Lower	Upper
108	100		
106	108.6	85.7	128.5
79	21.9	17.2	25.8



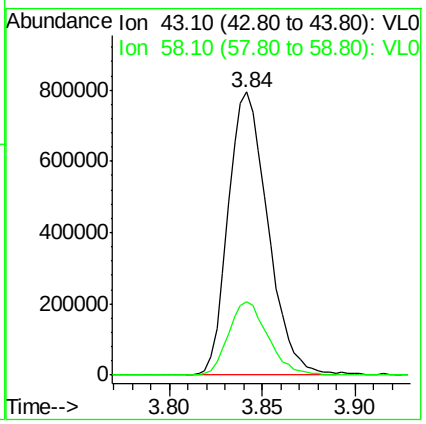


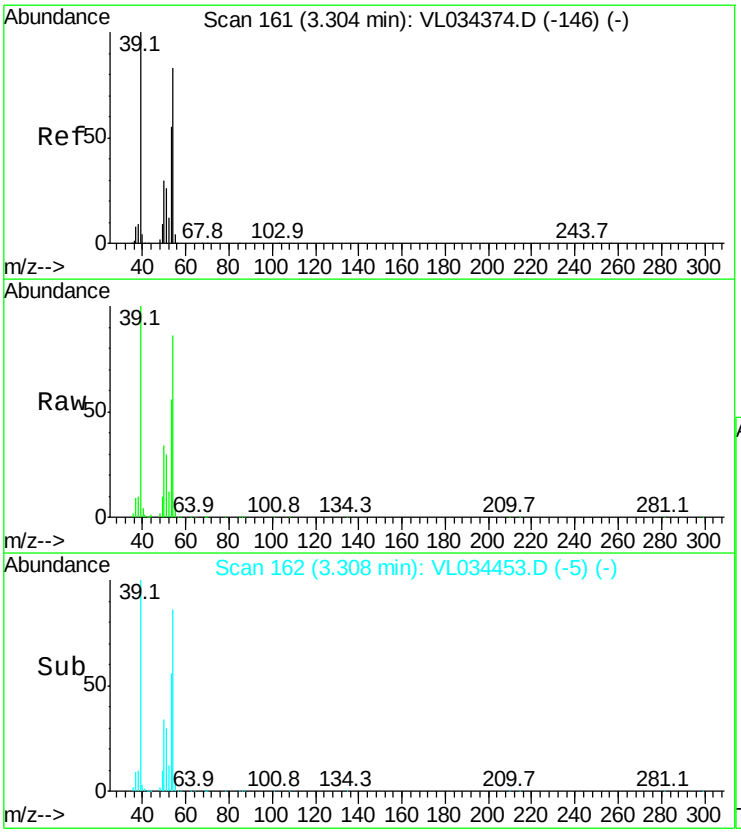
#15
Acetone
Concen: 8.596 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1179348

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.2	30.4

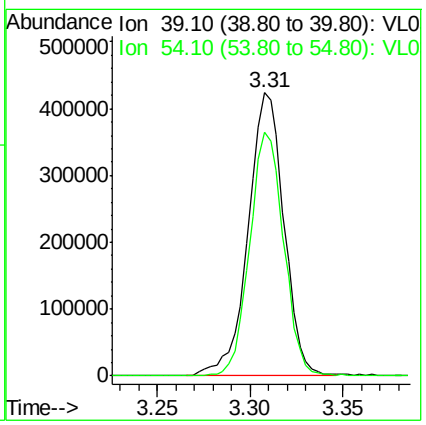


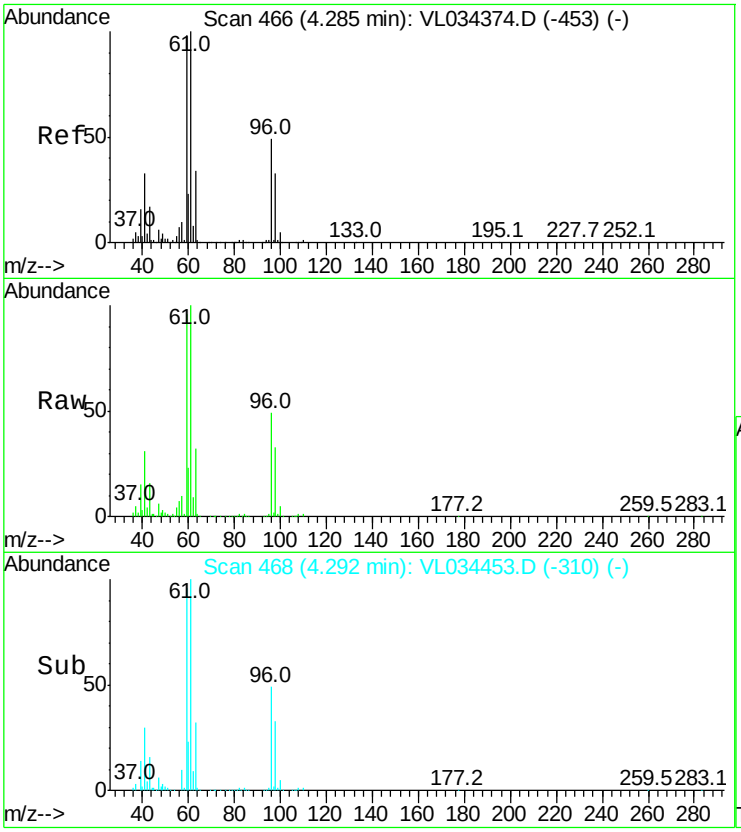


#16
1,3-Butadiene
Concen: 9.401 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 39 Resp: 561875

Ion	Ratio	Lower	Upper
39	100		
54	83.0	64.7	97.1



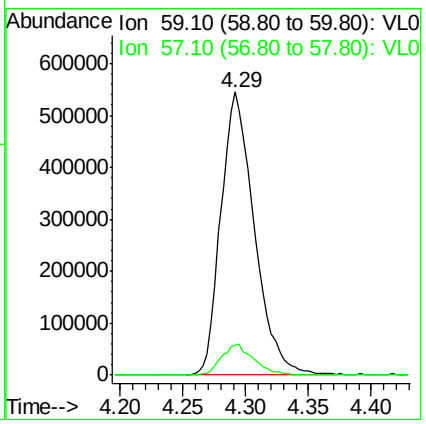


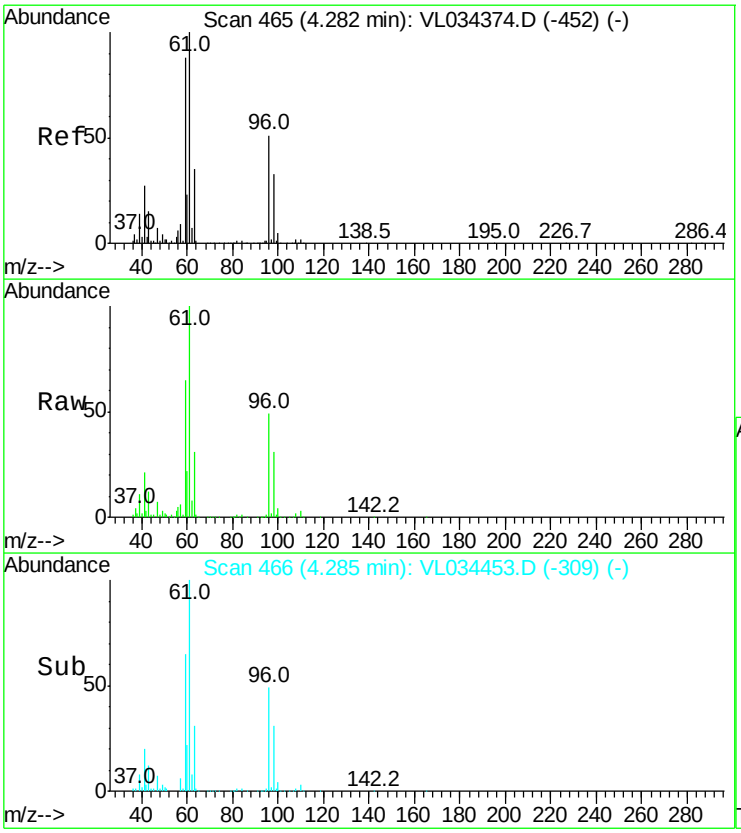
#17
tert-Butyl alcohol
Concen: 8.766 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1010976

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2

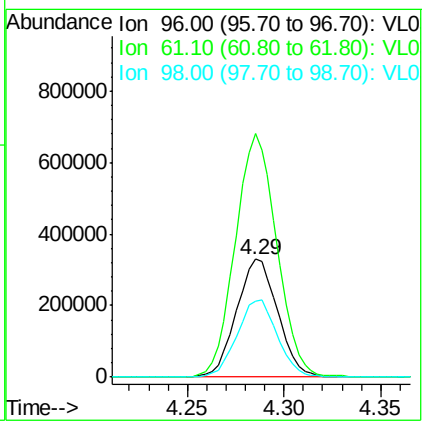


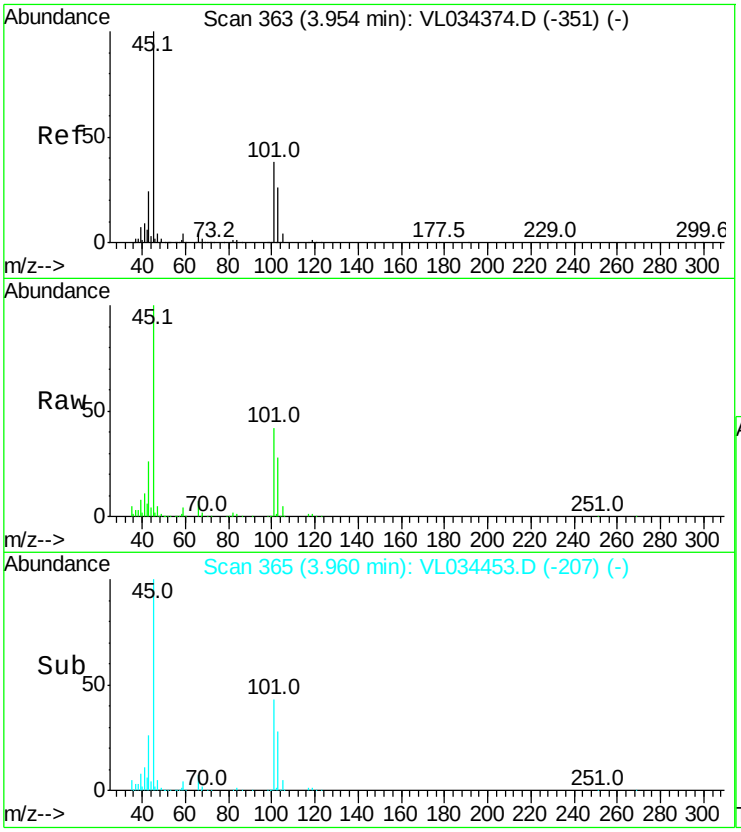


#18
1,1-Dichloroethene
Concen: 9.710 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 96 Resp: 486566

Ion	Ratio	Lower	Upper
96	100		
61	205.9	155.6	233.4
98	64.6	51.6	77.4



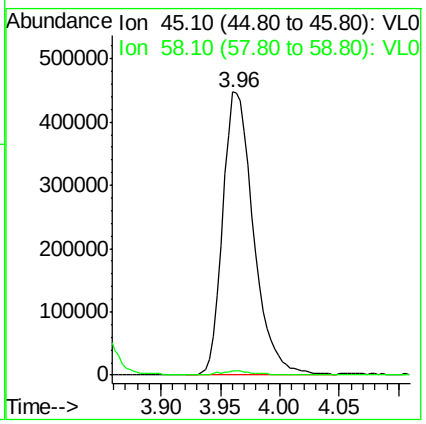


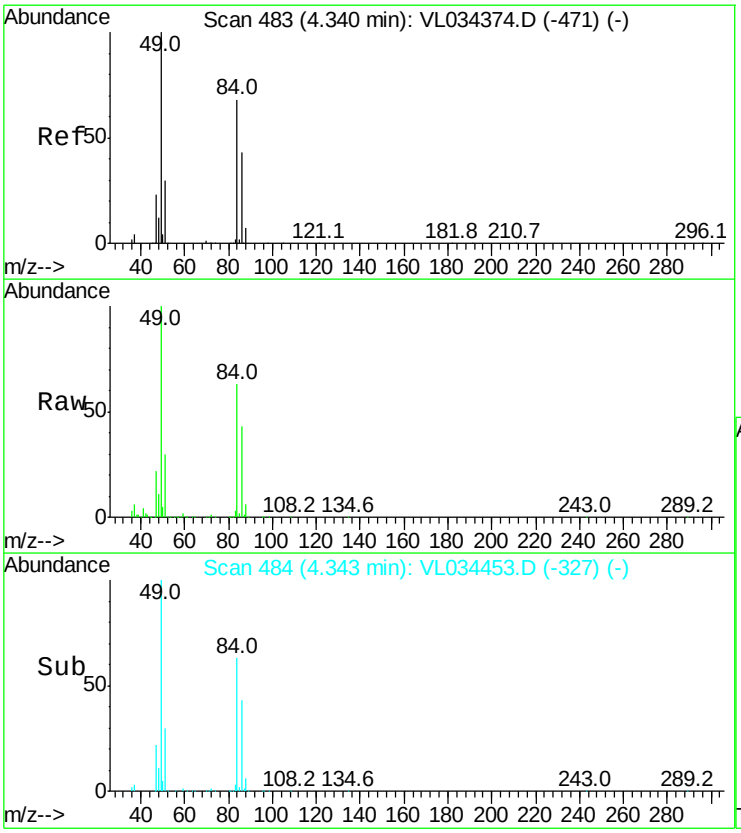
#19
Isopropyl Alcohol
Concen: 9.156 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 805169

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9#

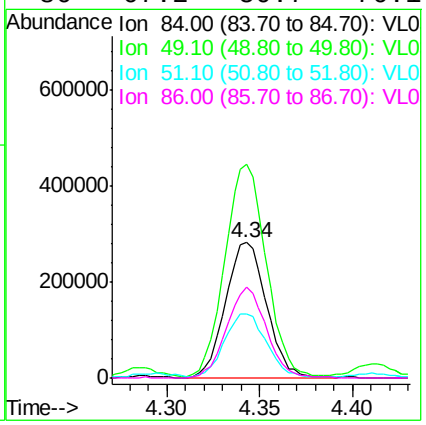


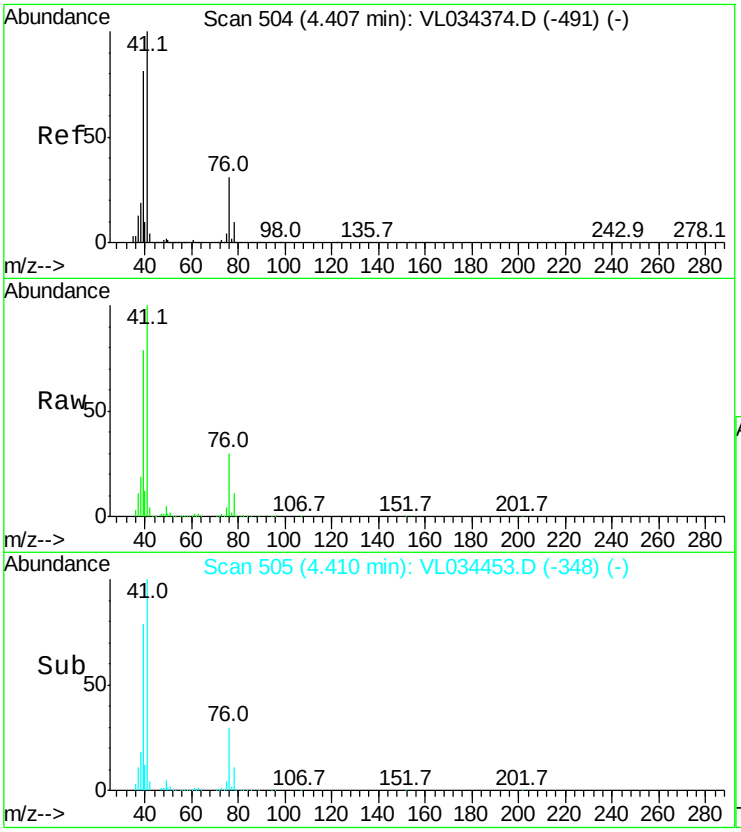


#20
Methylene Chloride
Concen: 8.859 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 84 Resp: 431017

Ion	Ratio	Lower	Upper
84	100		
49	157.2	116.8	175.2
51	46.5	35.6	53.4
86	67.2	50.7	76.1



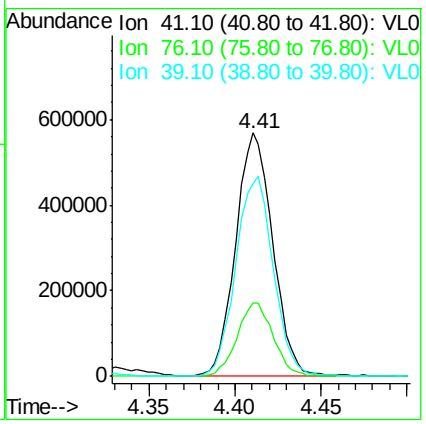


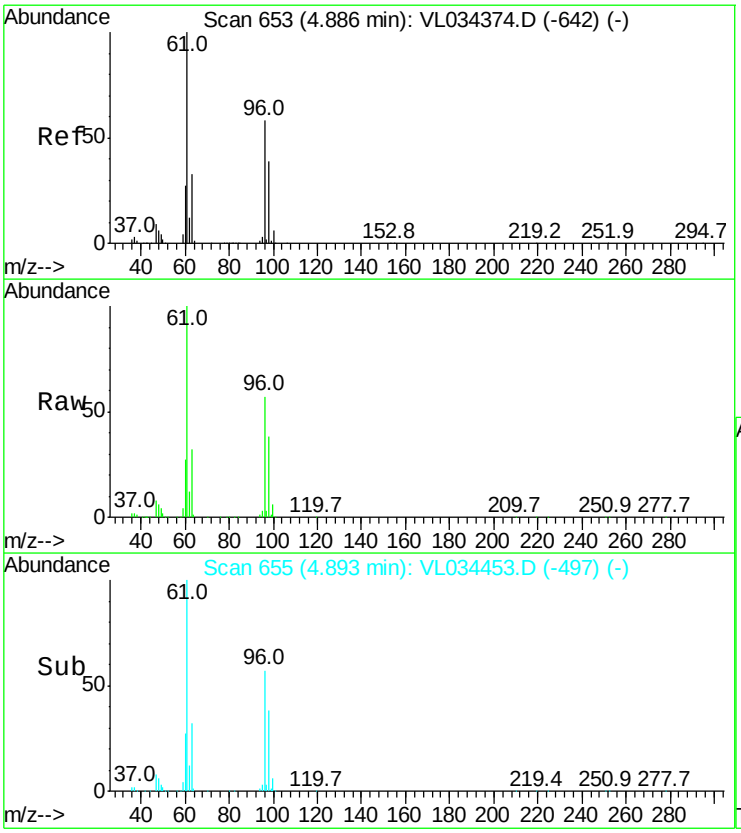
#21
Allyl Chloride
Concen: 10.281 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 845196

Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.2
39	83.5	66.9	100.3

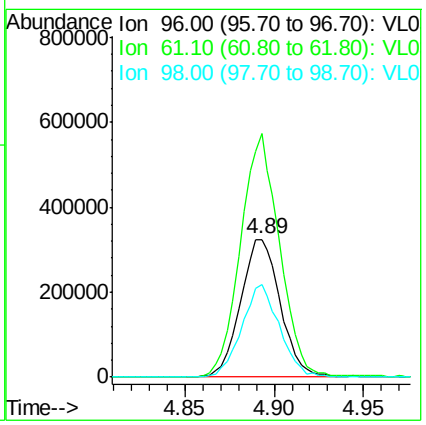


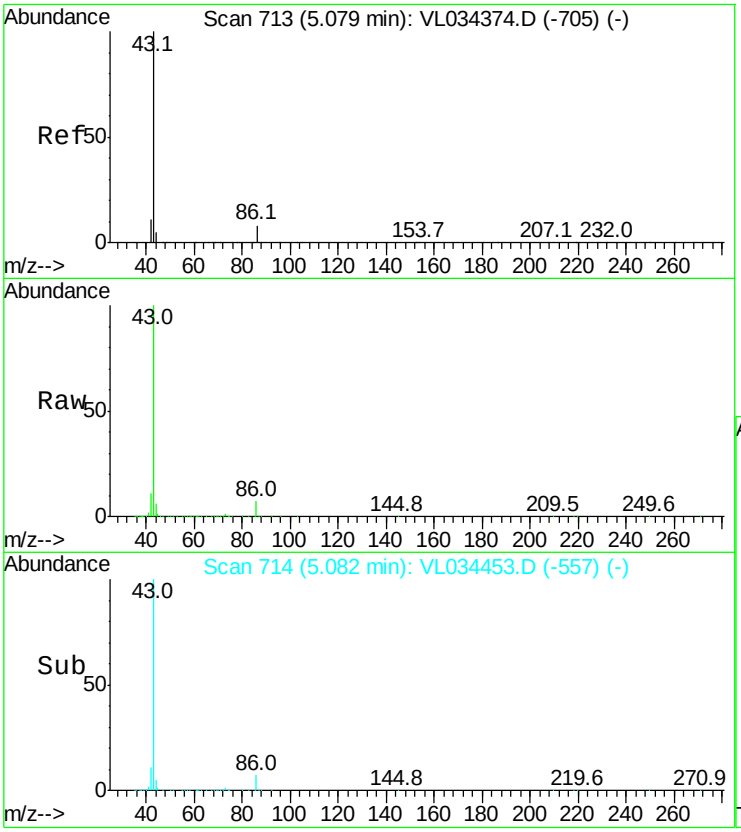


#22
trans-1,2-Dichloroethene
Concen: 9.982 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 96 Resp: 504251

Ion	Ratio	Lower	Upper
96	100		
61	176.4	137.9	206.9
98	66.7	53.5	80.3



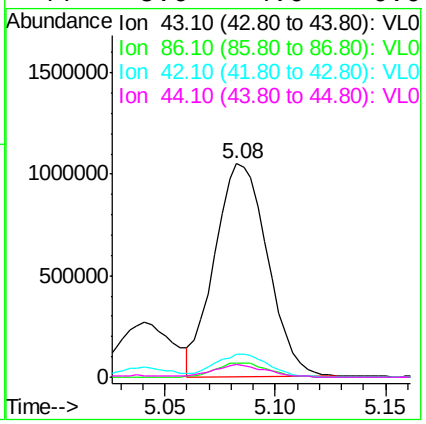


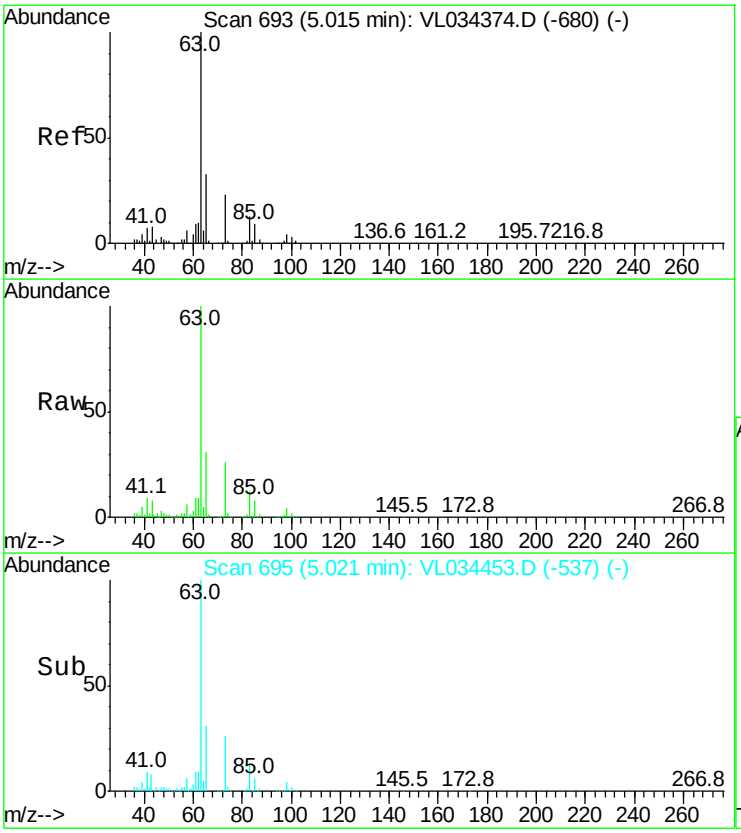
#23
Vinyl Acetate
Concen: 9.732 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1744164

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.6
42	11.0	8.9	13.3
44	5.6	4.0	6.0

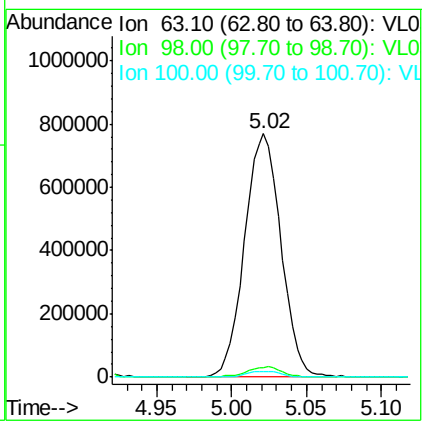


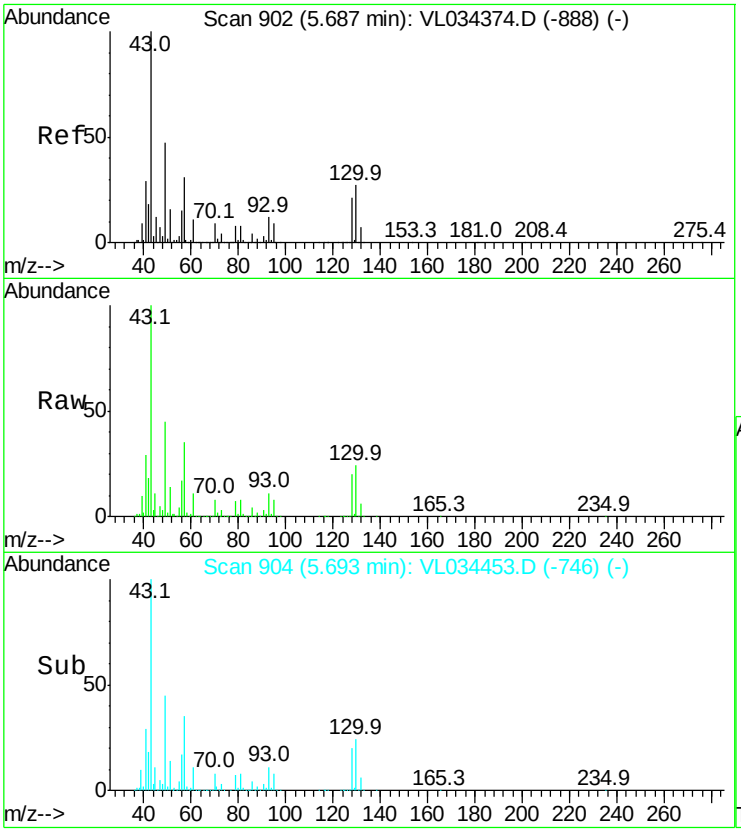


#24
1,1-Dichloroethane
Concen: 9.452 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 63 Resp: 1301316

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.9	5.7
100	2.3	1.4	4.0



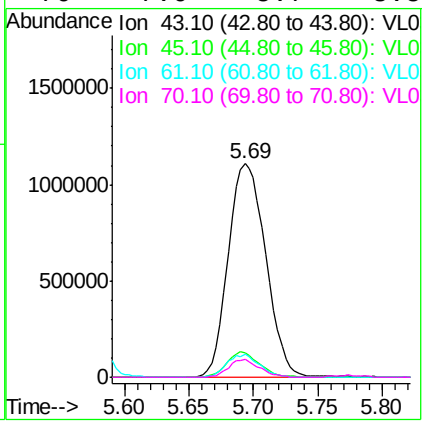


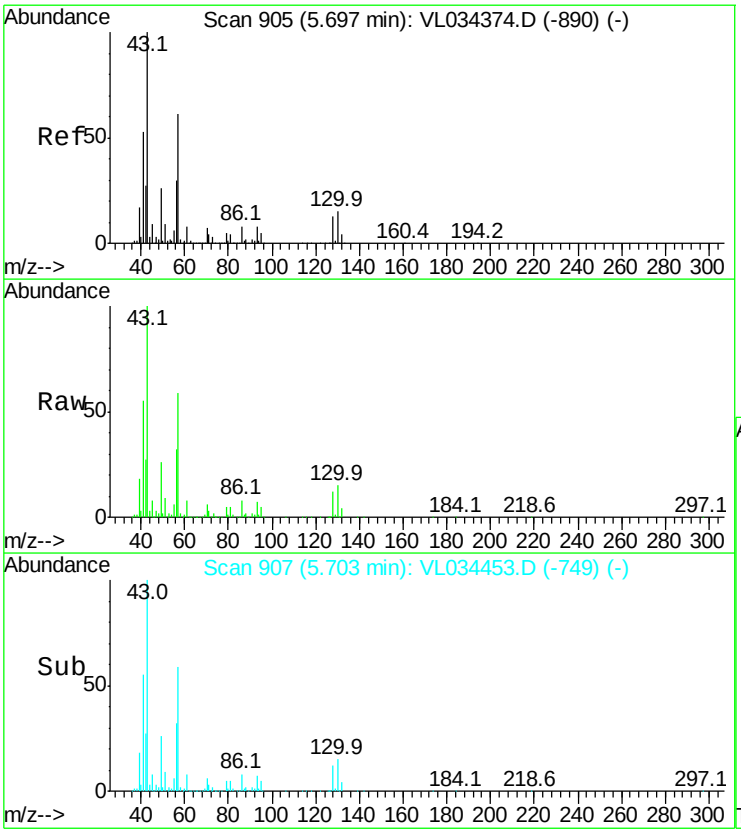
#25
Ethyl Acetate
Concen: 9.140 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2237791

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.5	7.5	11.3
70	7.0	5.7	8.5

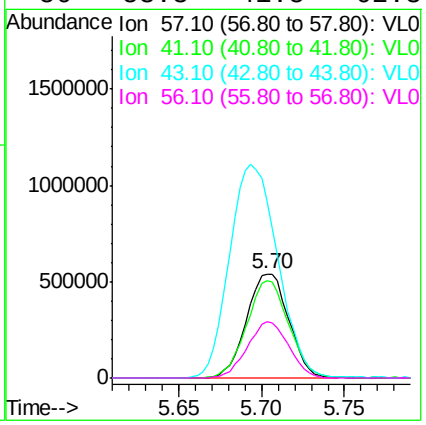


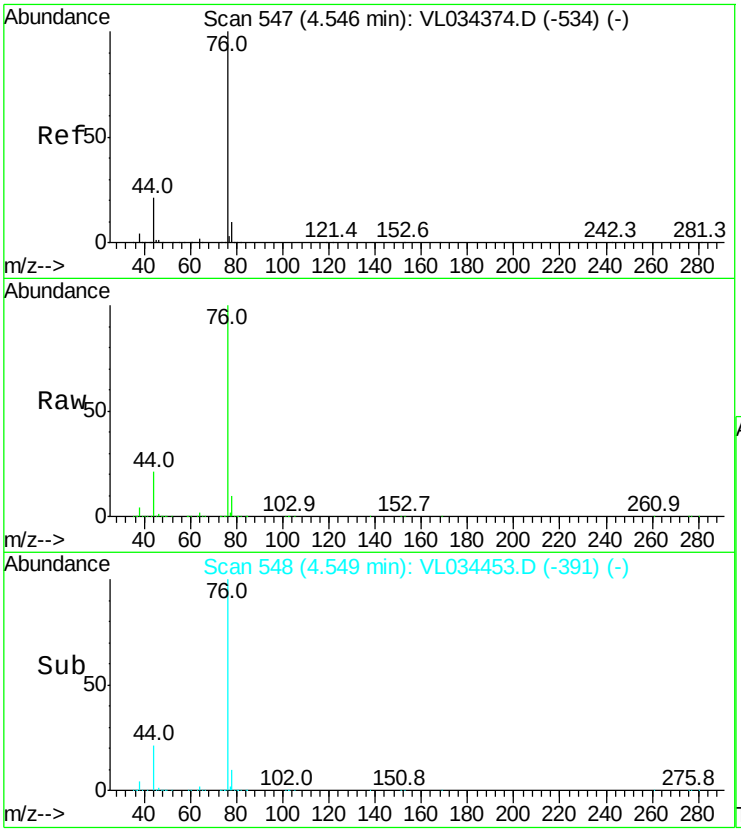


#26
Hexane
Concen: 9.074 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 57 Resp: 954581

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.0	112.4
43	234.7	186.6	279.8
56	53.3	41.5	62.3



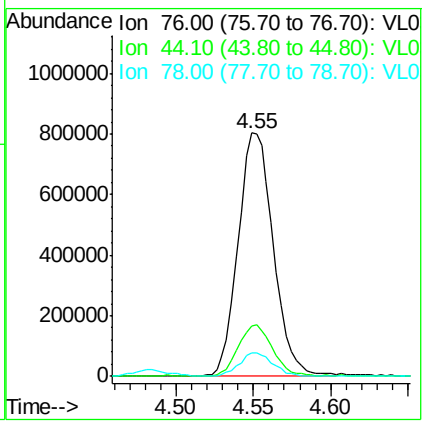


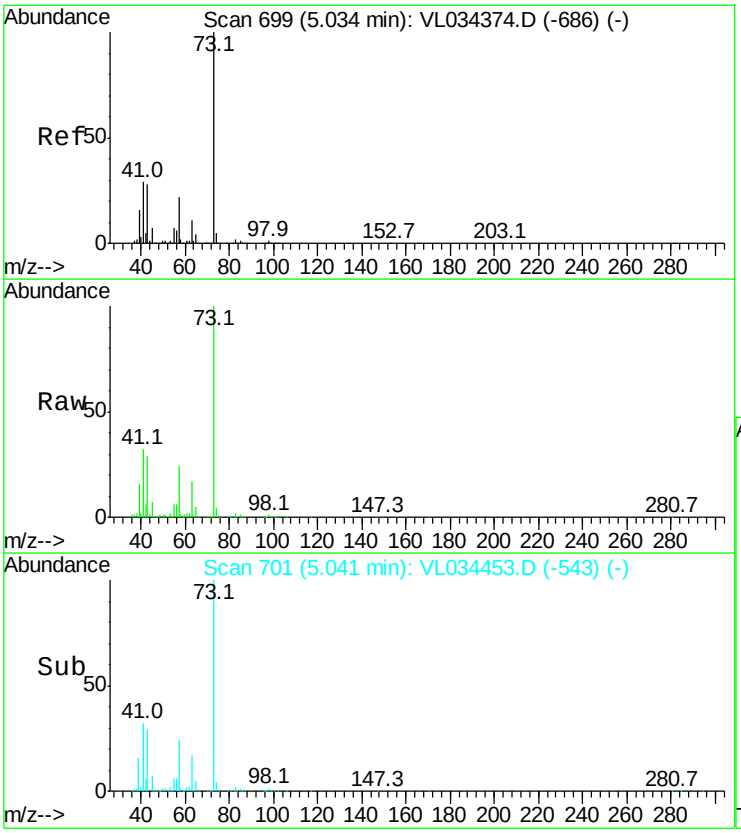
#27
Carbon Disulfide
Concen: 11.103 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1272260

Ion	Ratio	Lower	Upper
76	100		
44	20.8	17.0	25.4
78	9.3	7.6	11.4

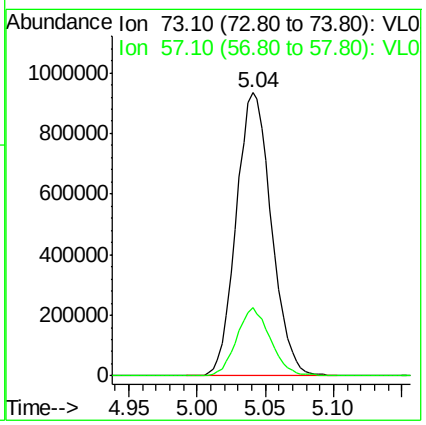


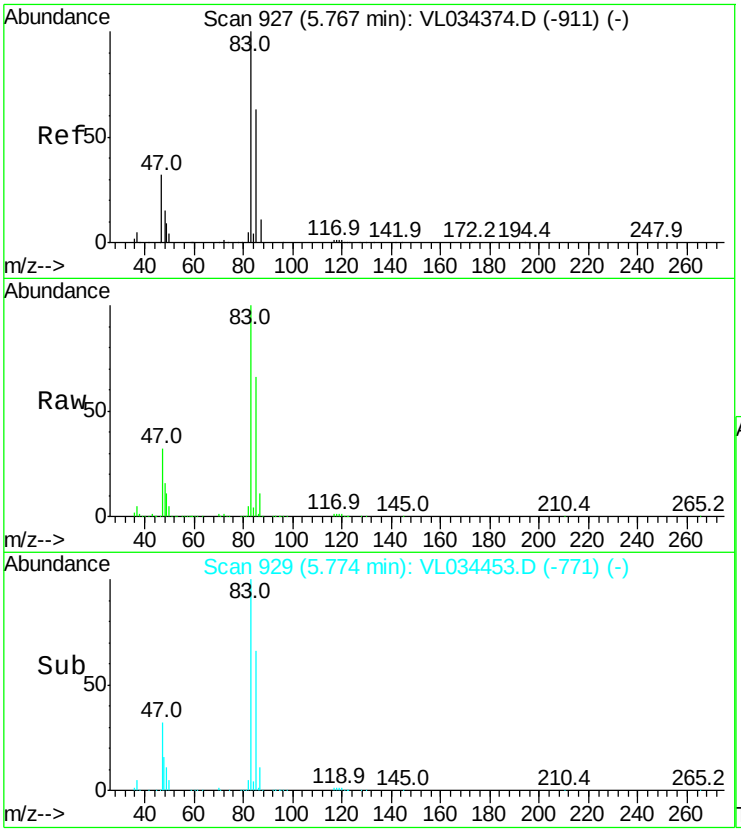


#28
Methyl tert-Butyl Ether
Concen: 9.593 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 73 Resp: 1673442

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.4	27.6



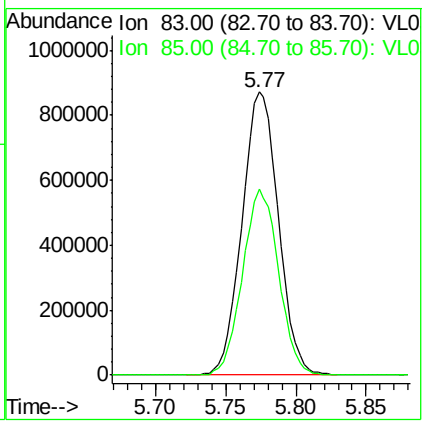


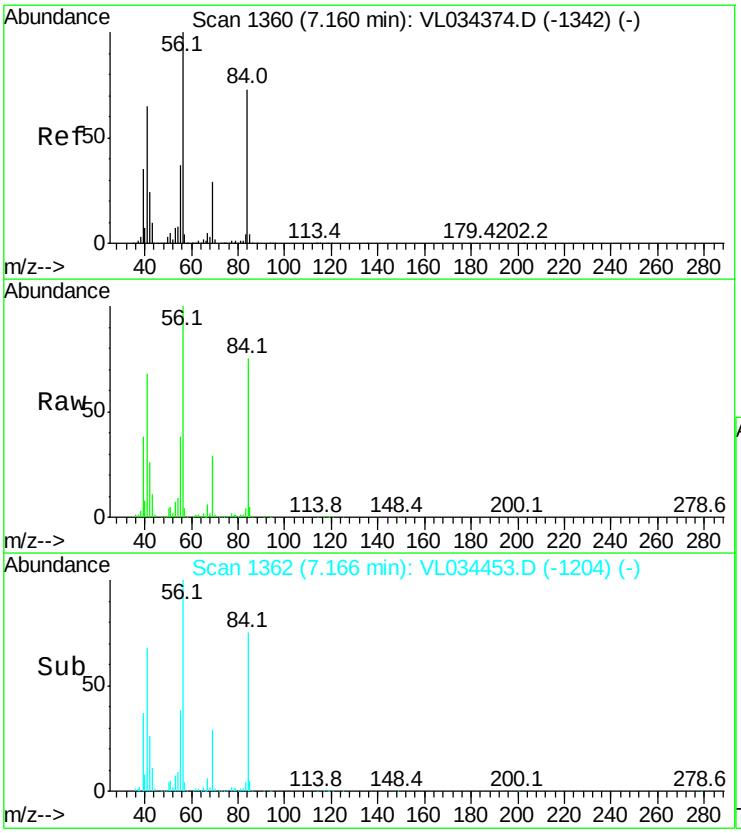
#29
Chloroform
Concen: 9.280 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1580917

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.4	75.6

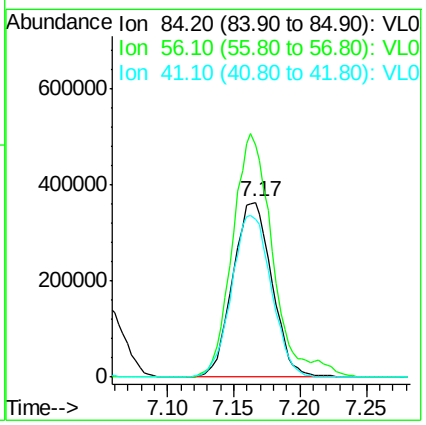


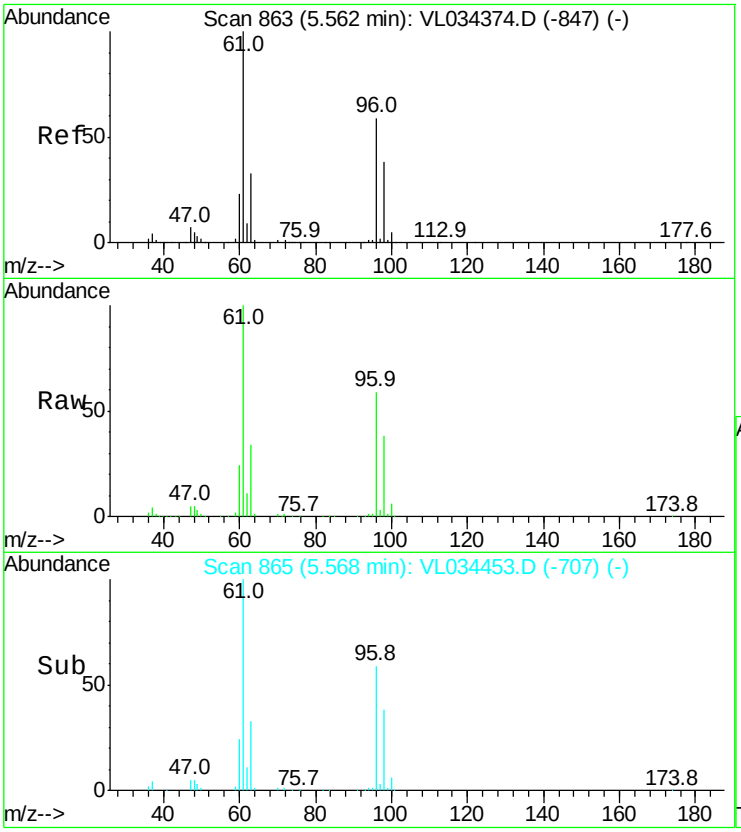


#30
Cyclohexane
Concen: 9.377 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 84 Resp: 745812

Ion	Ratio	Lower	Upper
84	100		
56	144.0	112.6	169.0
41	94.2	73.4	110.2



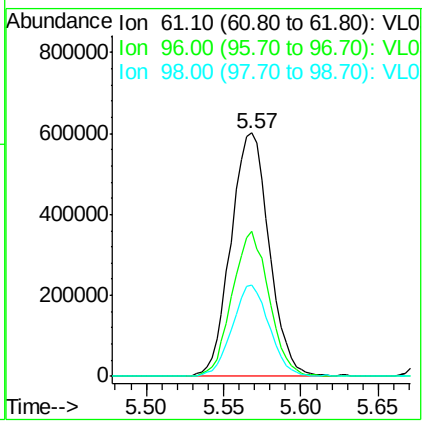


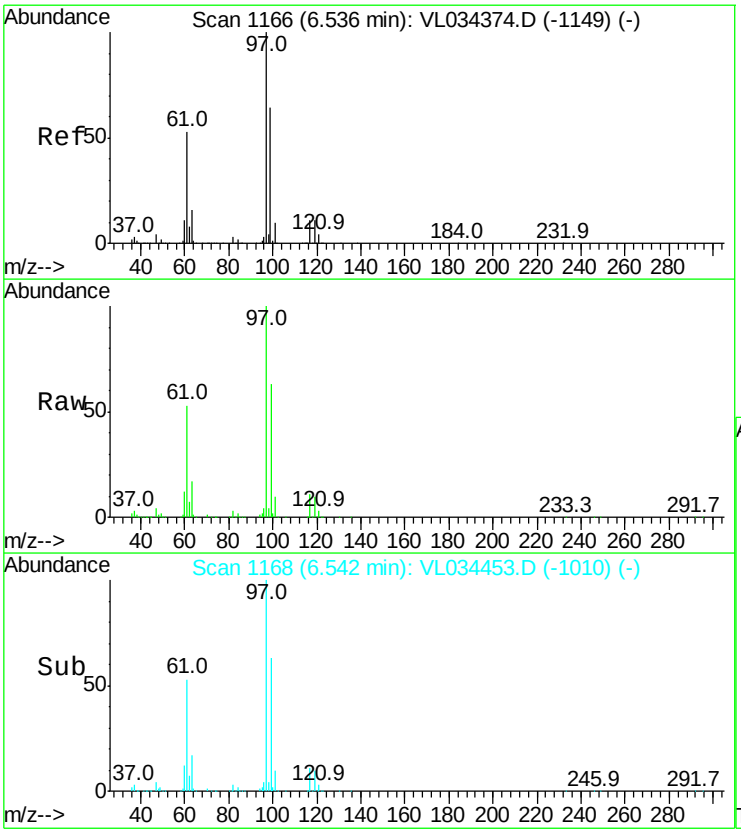
#31
cis-1,2-Dichloroethene
Concen: 9.482 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1030872

Ion	Ratio	Lower	Upper
61	100		
96	59.4	47.4	71.2
98	37.6	30.6	45.8

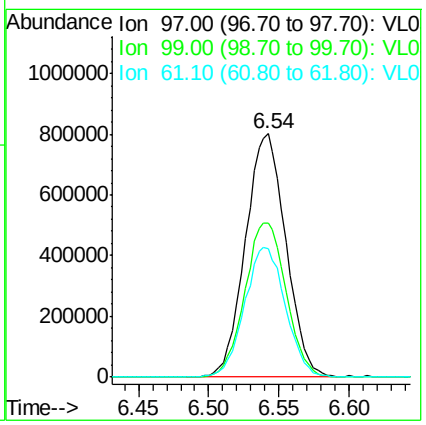


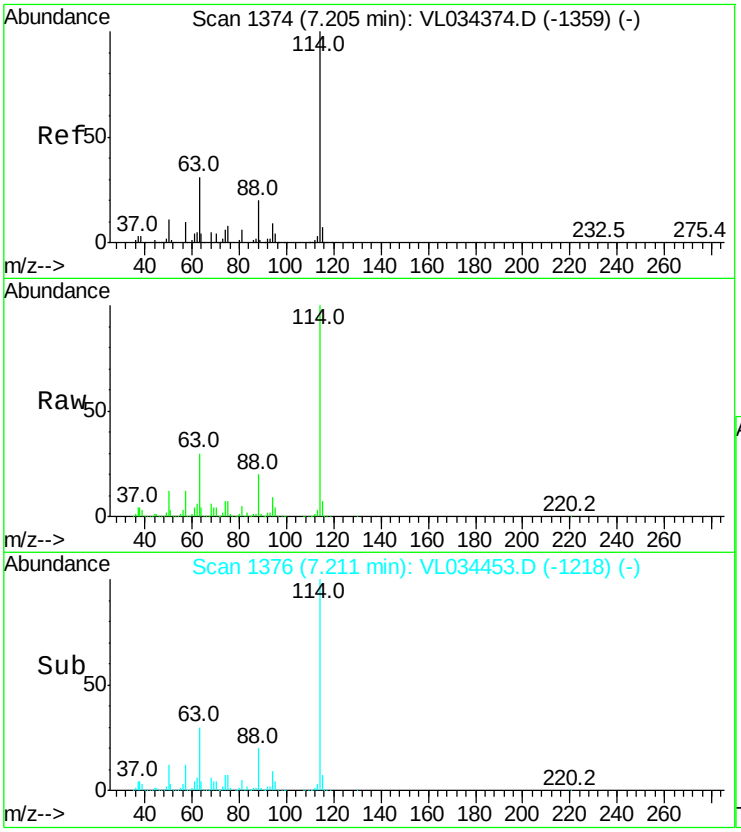


#32
1,1,1-Trichloroethane
Concen: 10.060 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 97 Resp: 1606836

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	54.0	43.7	65.5



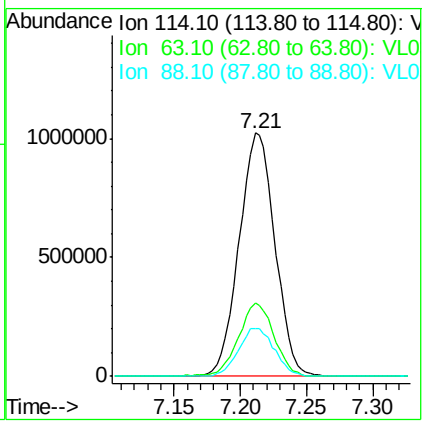


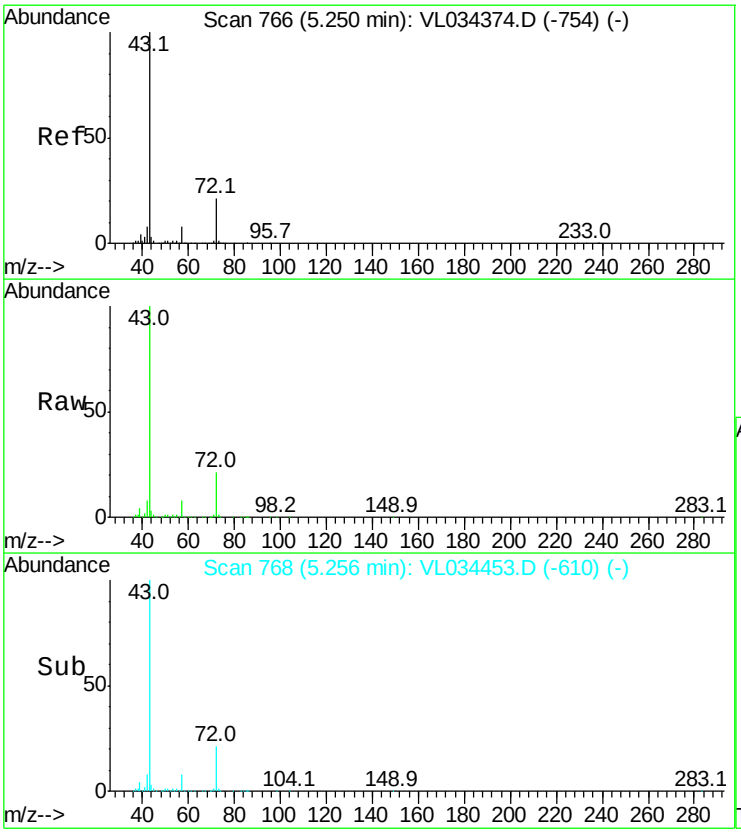
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1923419

Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.9	15.9	23.9

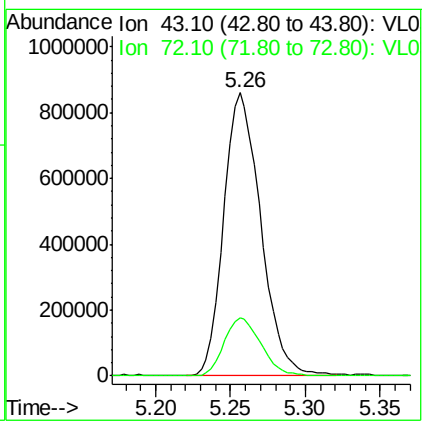


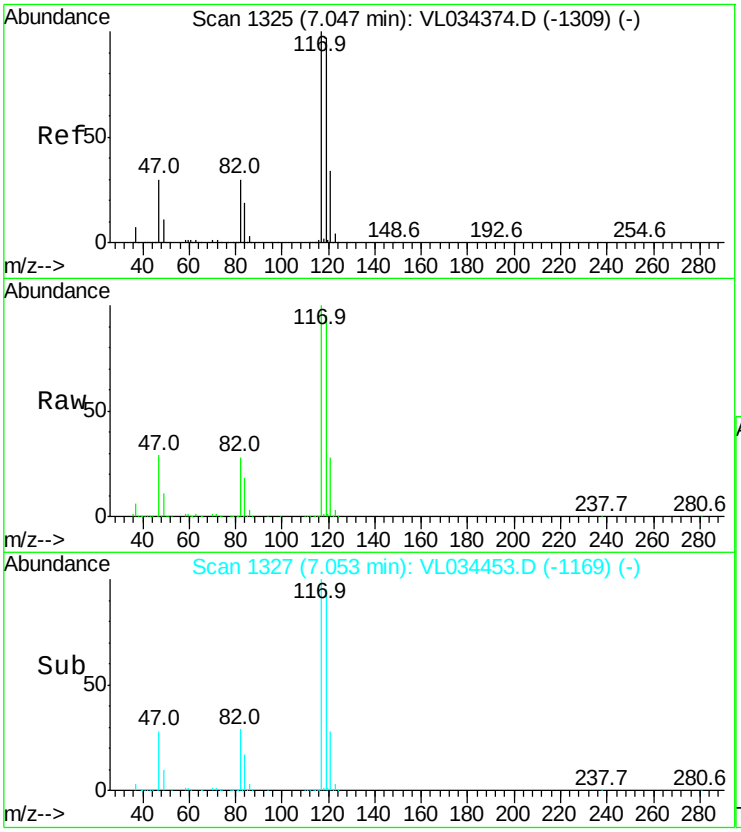


#34
2-Butanone
Concen: 9.325 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 43 Resp: 1476315

Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



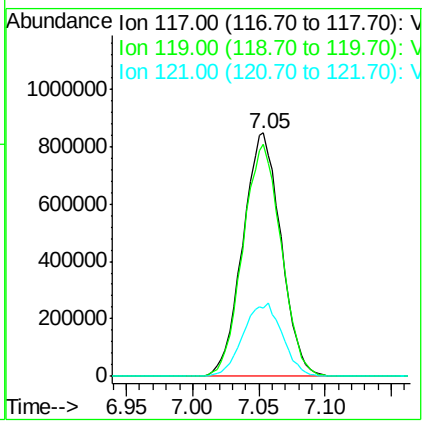


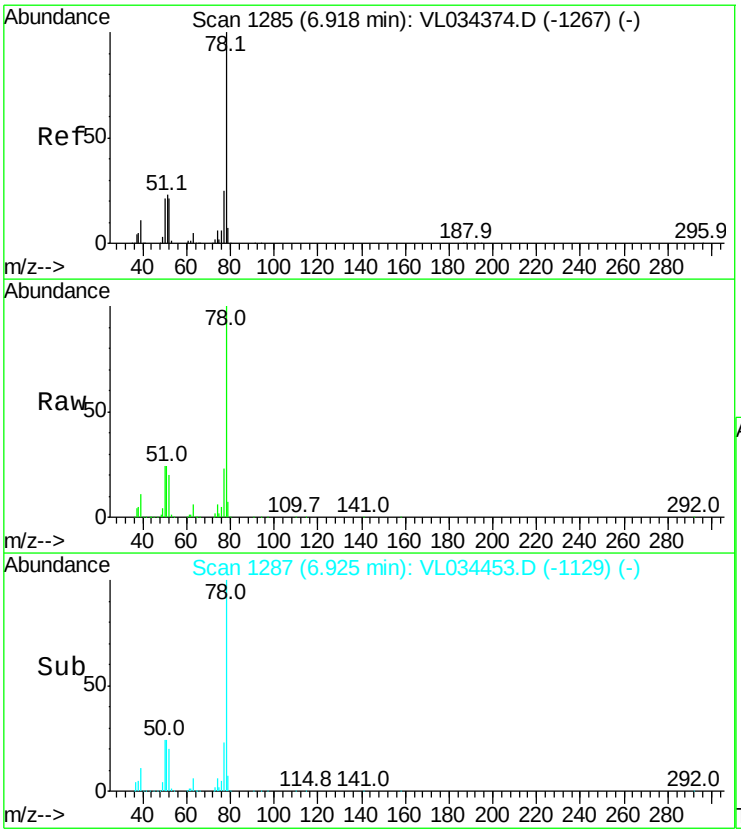
#35
Carbon Tetrachloride
Concen: 10.270 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1698336

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.3	115.9
121	28.2	27.4	41.2

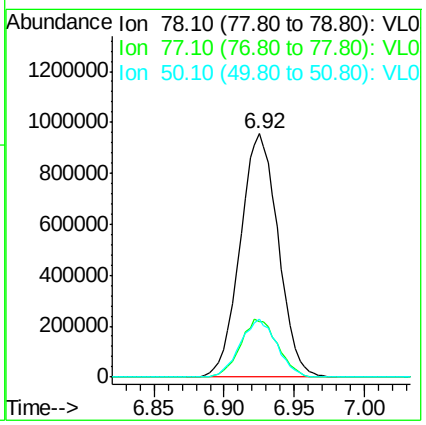


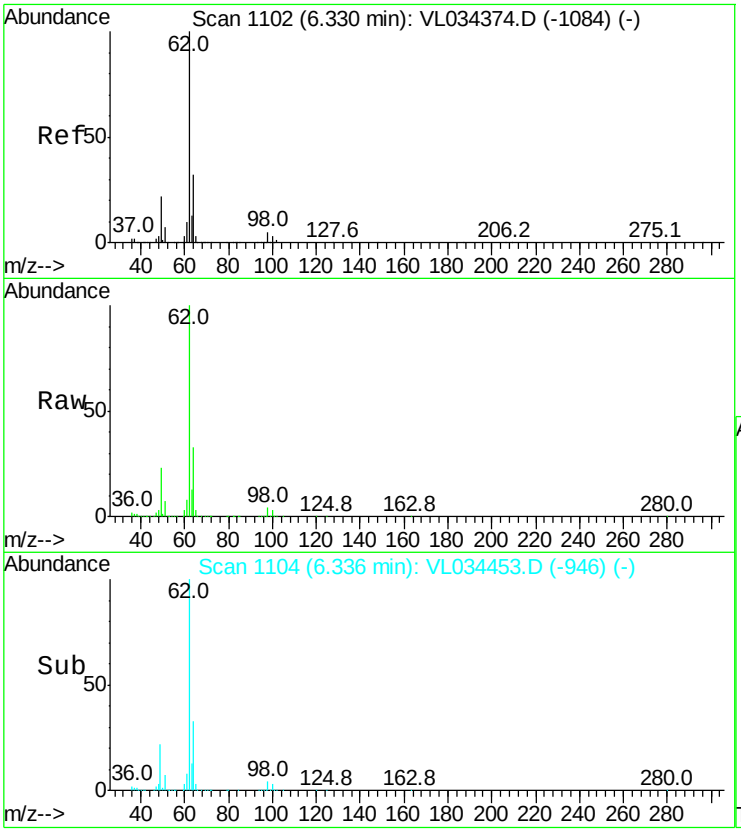


#36
Benzene
Concen: 9.386 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 78 Resp: 1804601

Ion	Ratio	Lower	Upper
78	100		
77	23.0	20.2	30.4
50	23.7	17.1	25.7



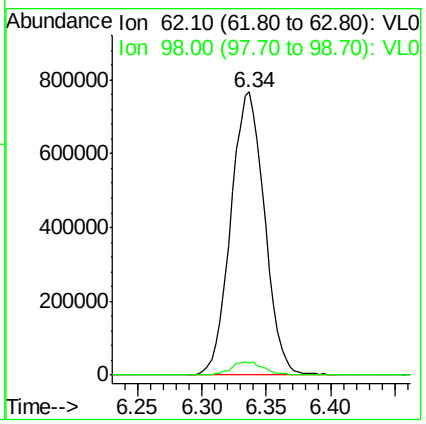


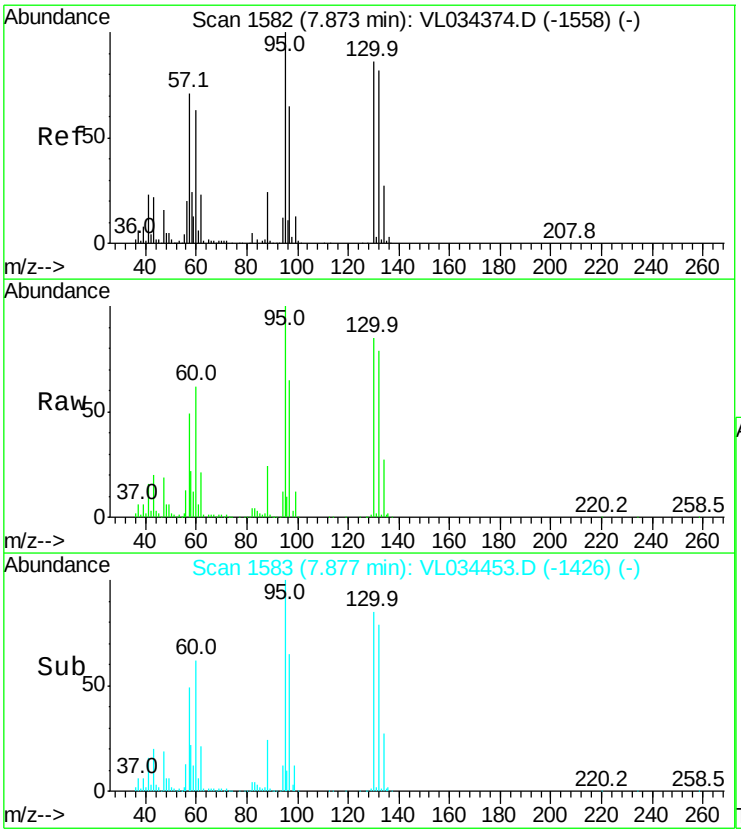
#37
1,2-Dichloroethane
Concen: 9.767 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1395055

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.8

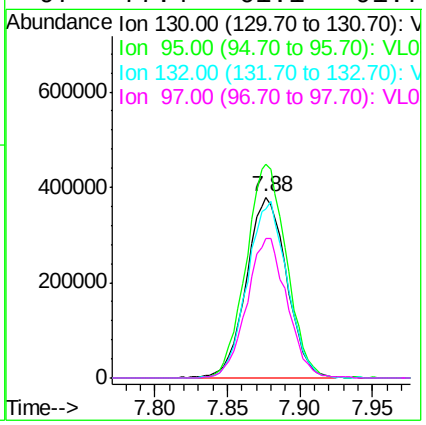


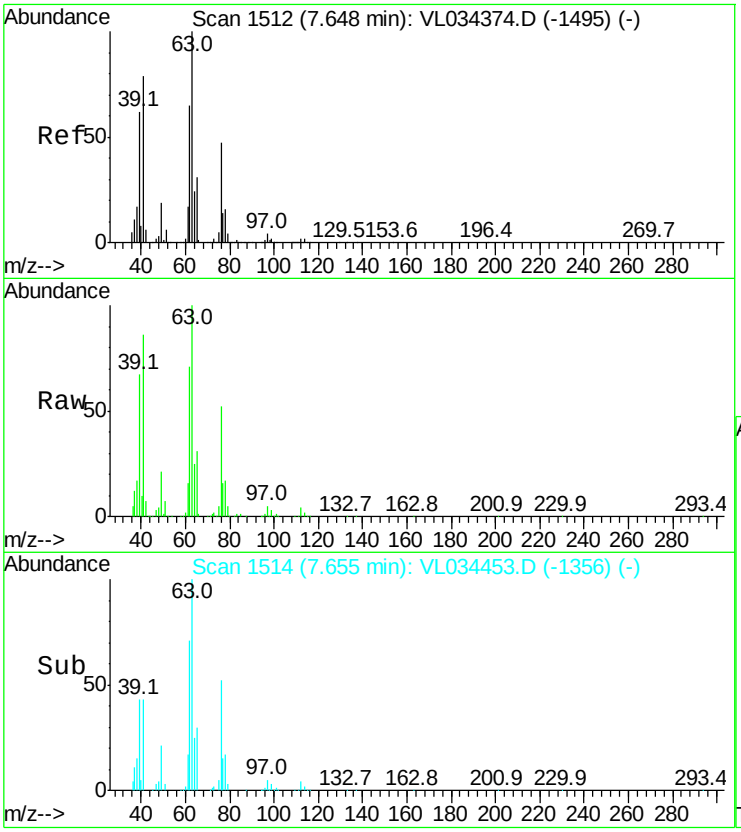


#38
Trichloroethene
Concen: 9.232 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:130 Resp: 728476

Ion	Ratio	Lower	Upper
130	100		
95	118.2	93.4	140.0
132	93.5	76.4	114.6
97	77.4	61.1	91.7



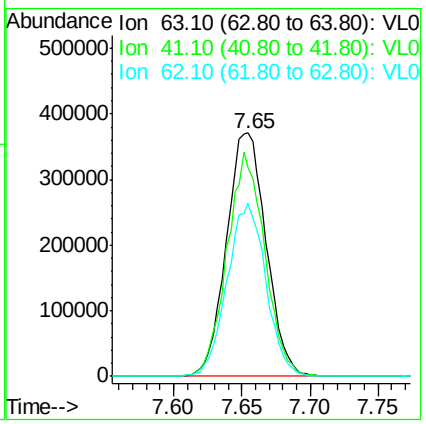


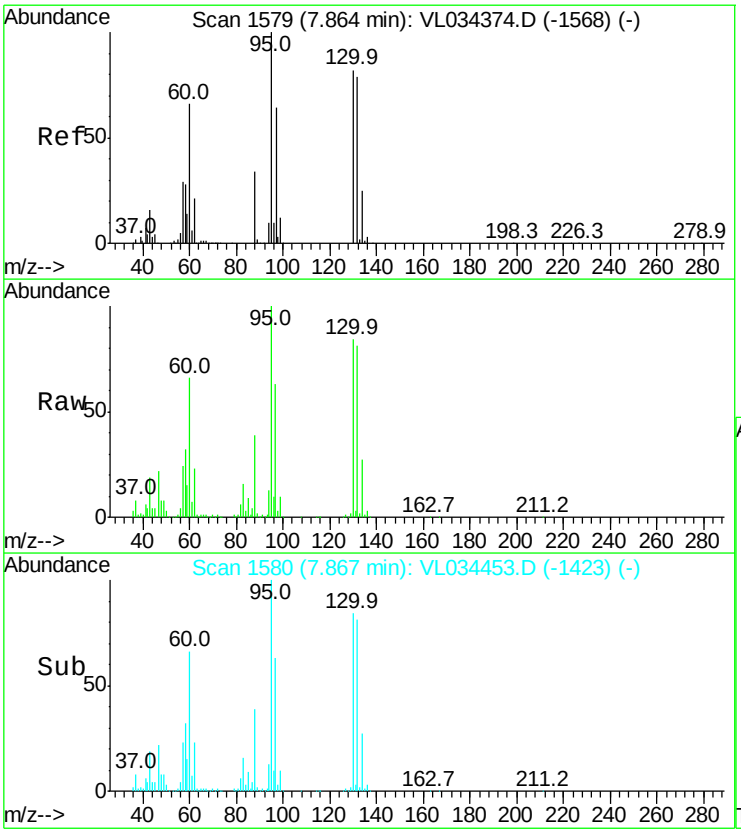
#39
1,2-Dichloropropane
Concen: 10.113 ppbv
RT: 7.65 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 749129

Ion	Ratio	Lower	Upper
63	100		
41	85.7	63.1	94.7
62	70.7	52.3	78.5

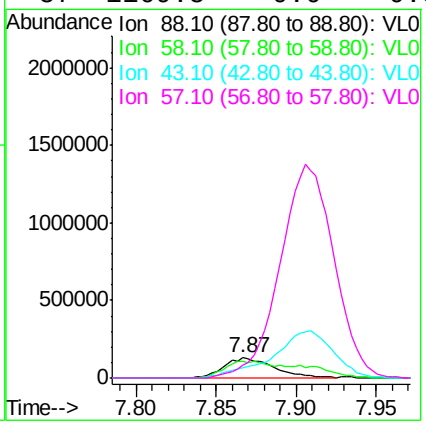


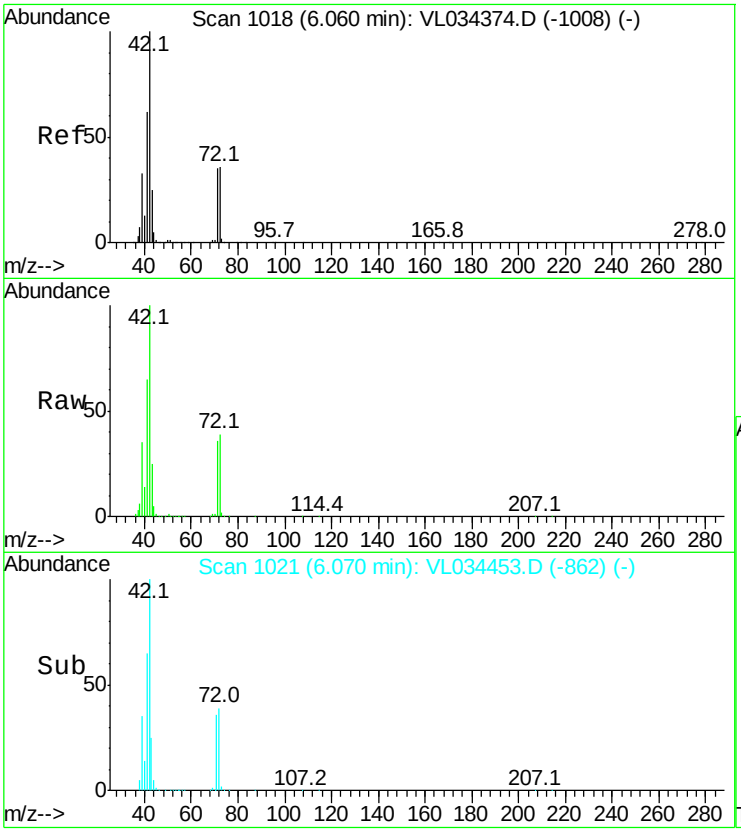


#40
1,4-Dioxane
Concen: 8.567 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 88 Resp: 277200

Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.5	164.3
43	287.7	0.0	0.0#
57	1169.5	0.0	0.0#



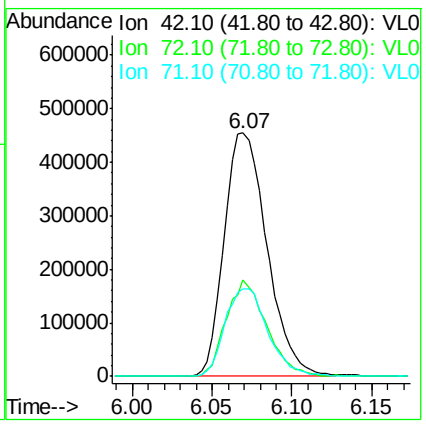


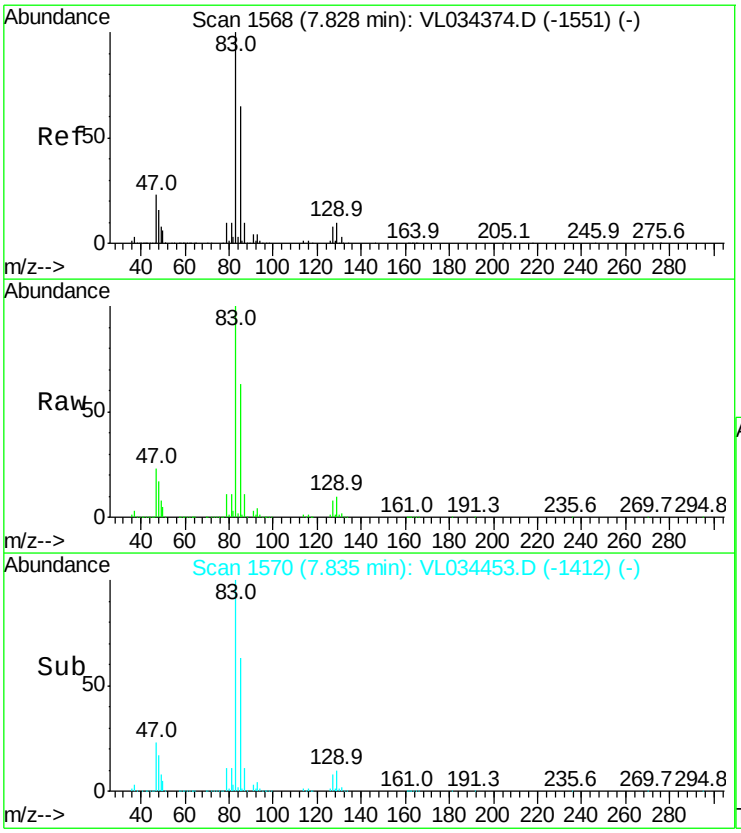
#41
Tetrahydrofuran
Concen: 9.358 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 831008

Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.2	45.4
71	36.1	29.4	44.2

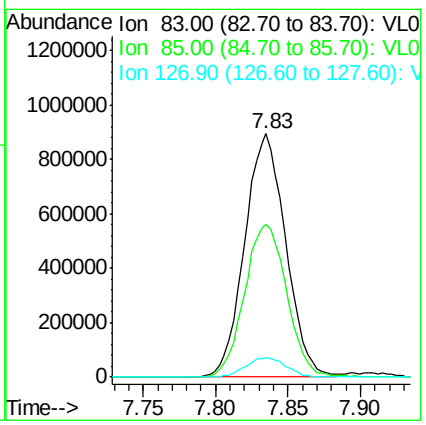


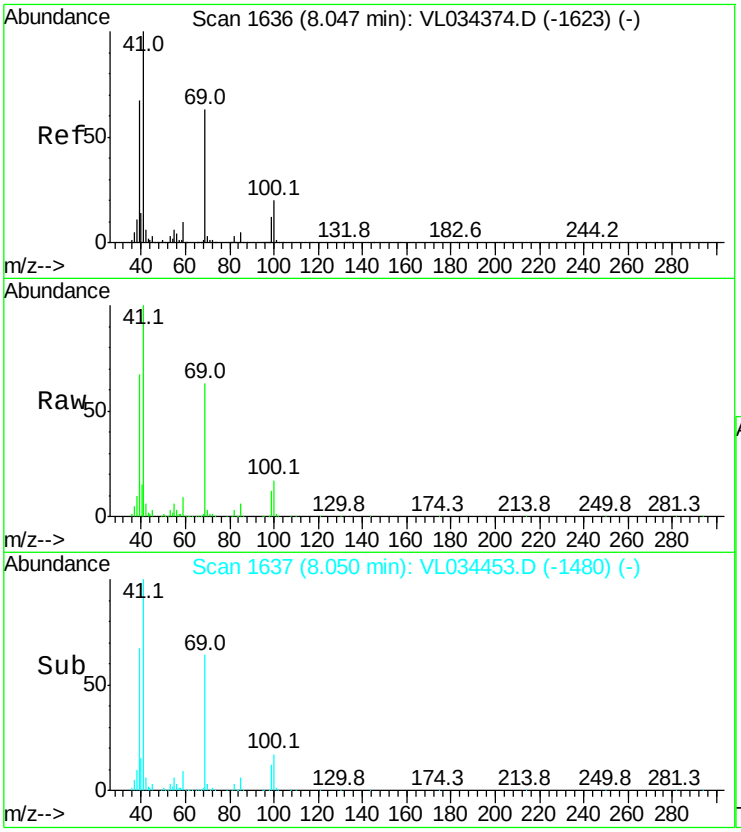


#42
Bromodichloromethane
Concen: 9.855 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 83 Resp: 1760454

Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.3	78.5
127	7.9	6.1	9.1



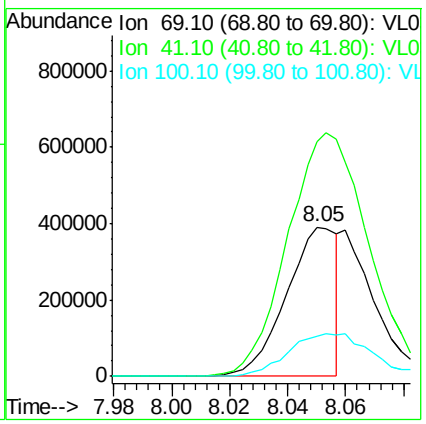


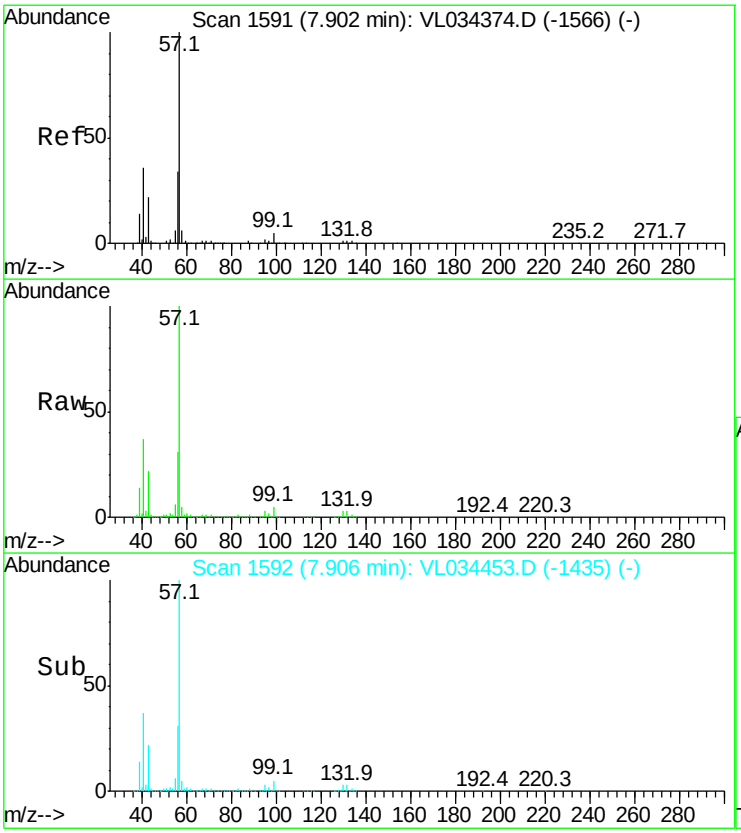
#43
Methyl Methacrylate
Concen: 5.965 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 475731

Ion	Ratio	Lower	Upper
69	100		
41	260.6	127.4	191.2#
100	0.0	24.2	36.4#

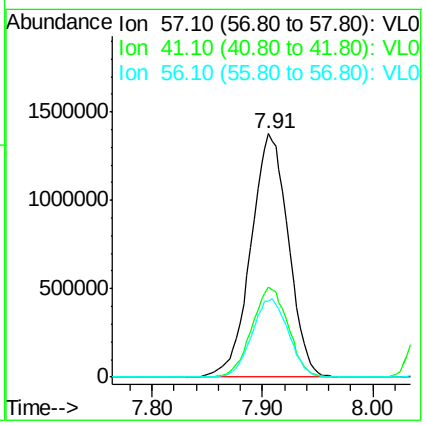


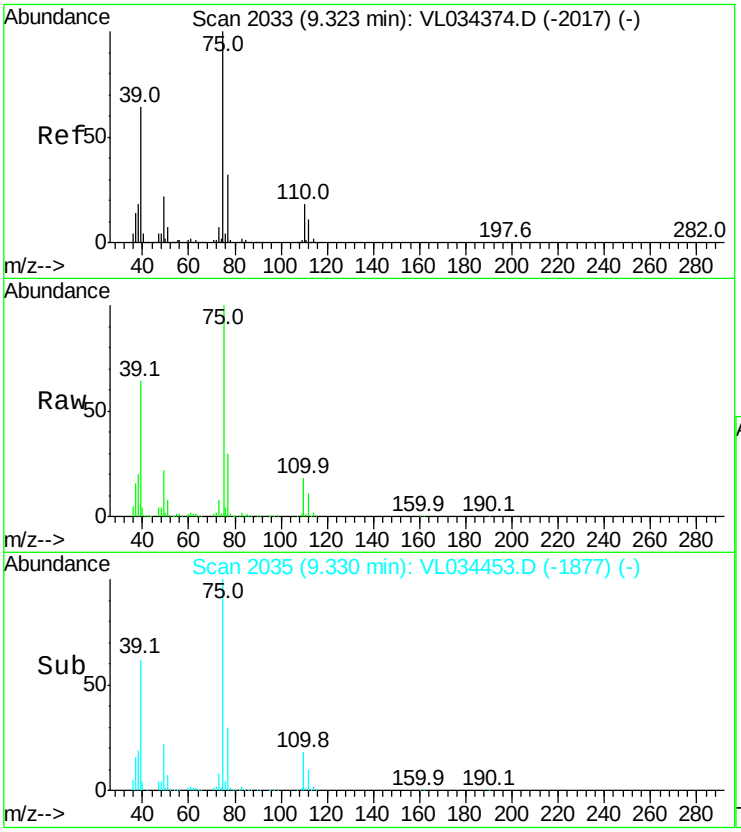


#44
2,2,4-Trimethylpentane
Concen: 9.214 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 57 Resp: 3237570

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.6	42.8
56	31.4	25.3	37.9



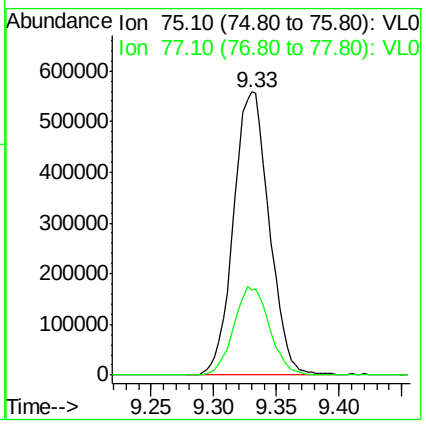


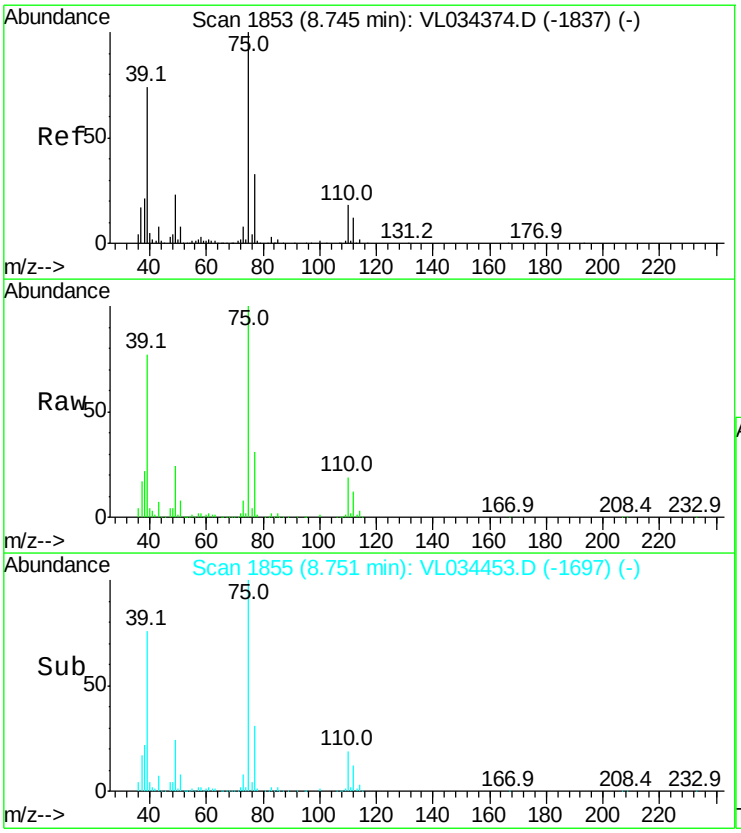
#45
t-1,3-Dichloropropene
Concen: 10.800 ppbv
RT: 9.33 min Scan# 2035
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1104513

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

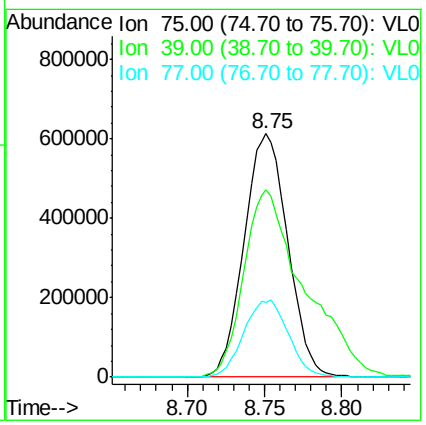


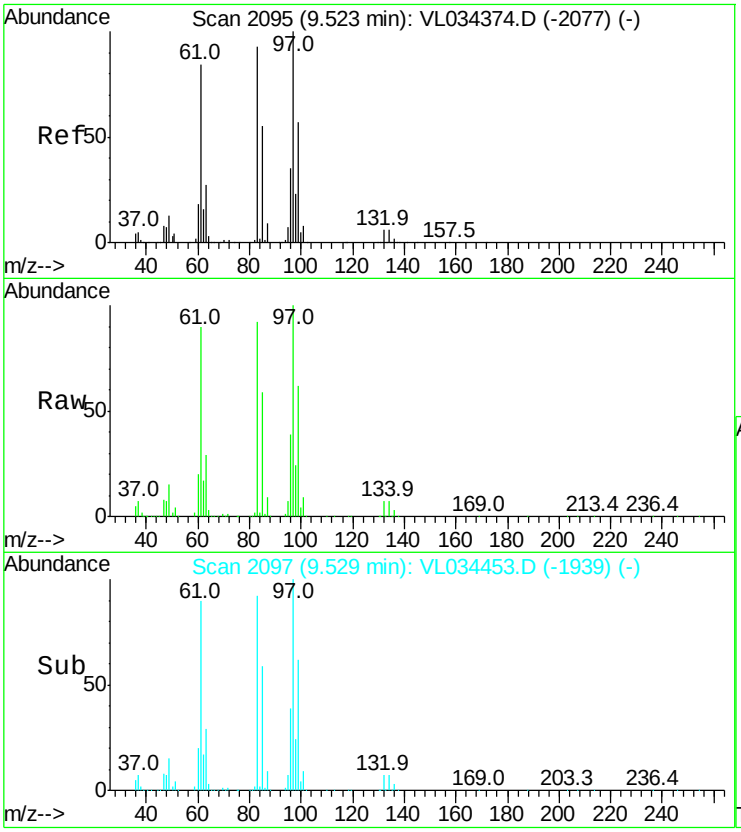


#46
cis-1,3-Dichloropropene
Concen: 10.456 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 75 Resp: 1201138

Ion	Ratio	Lower	Upper
75	100		
39	76.6	59.0	88.6
77	30.9	26.4	39.6



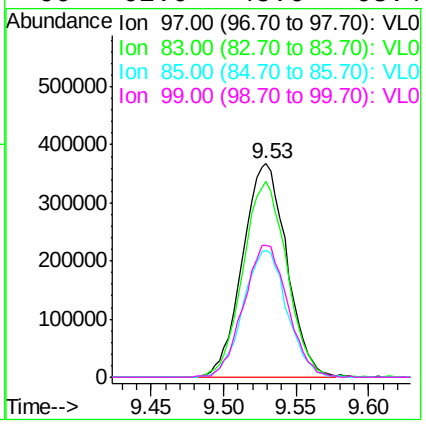


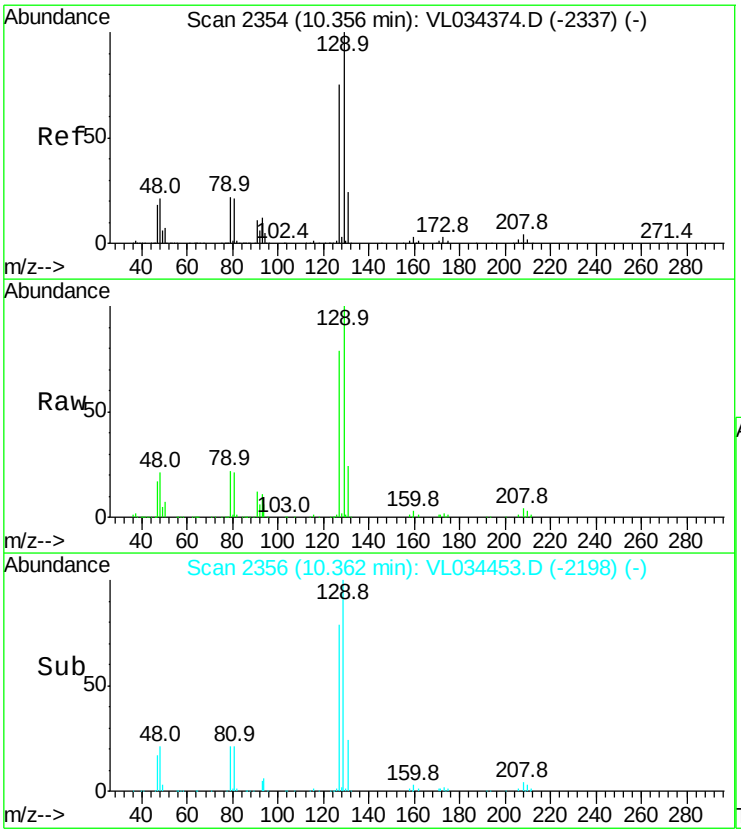
#47
1,1,2-Trichloroethane
Concen: 9.475 ppbv
RT: 9.53 min Scan# 2097
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 780741

Ion	Ratio	Lower	Upper
97	100		
83	91.6	74.6	112.0
85	59.3	43.8	65.8
99	62.0	45.6	68.4

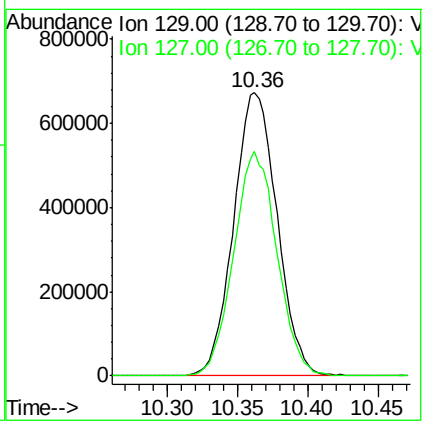


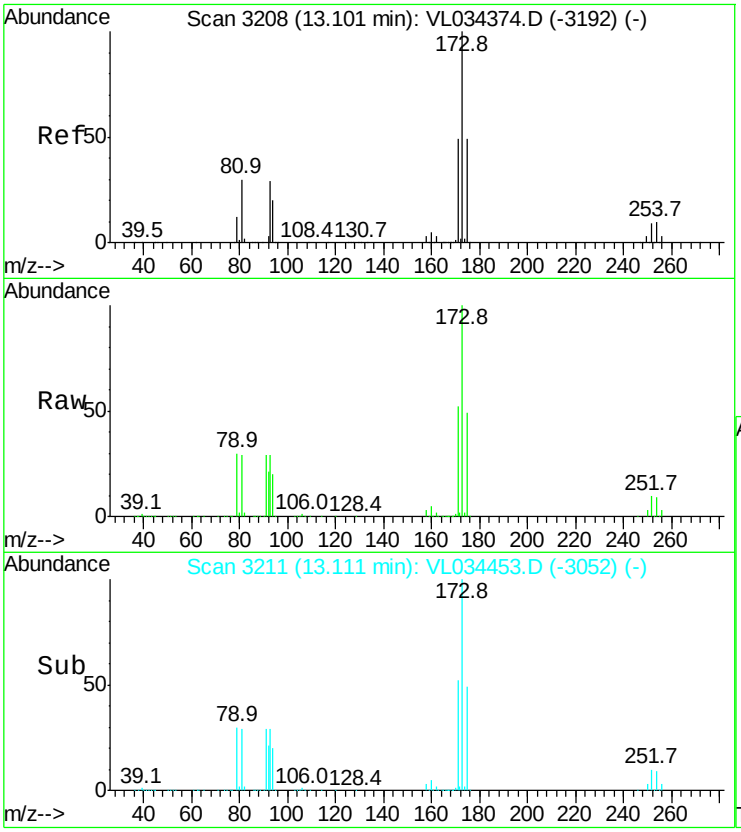


#48
Dibromochloromethane
Concen: 10.276 ppbv
RT: 10.36 min Scan# 2356
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:129 Resp: 1453783

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.5



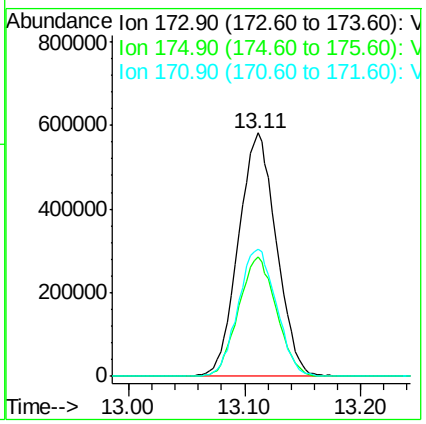


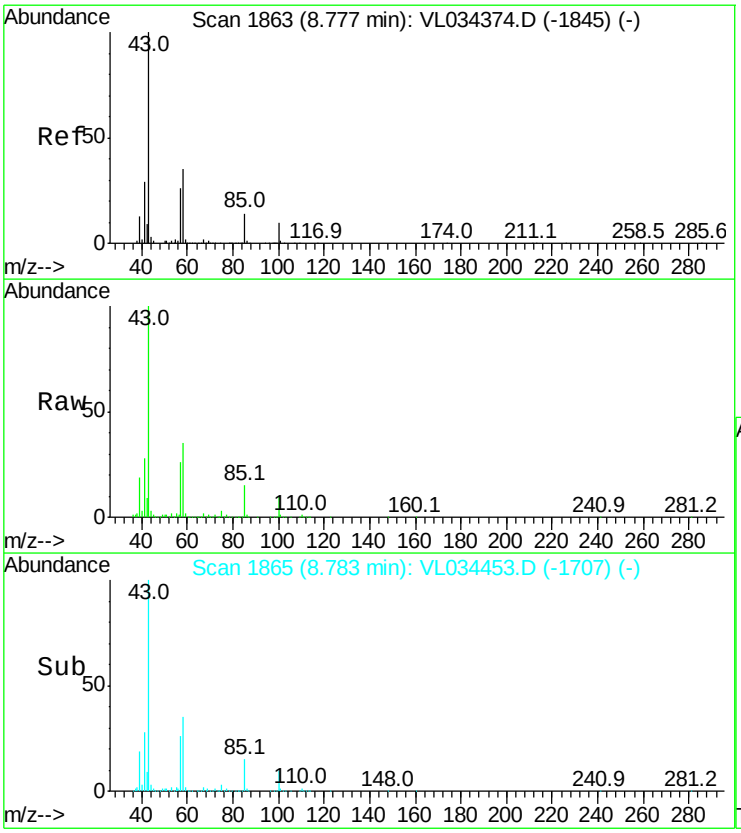
#49
Bromoform
Concen: 10.495 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1325514

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.3	58.9
171	52.6	42.4	63.6

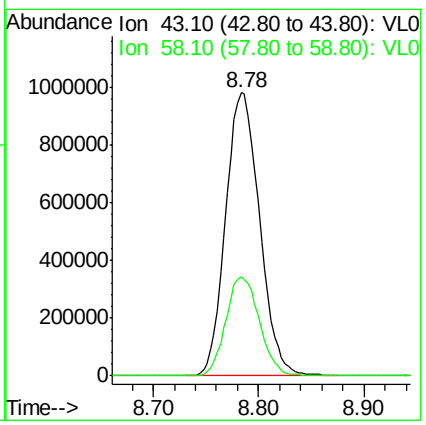


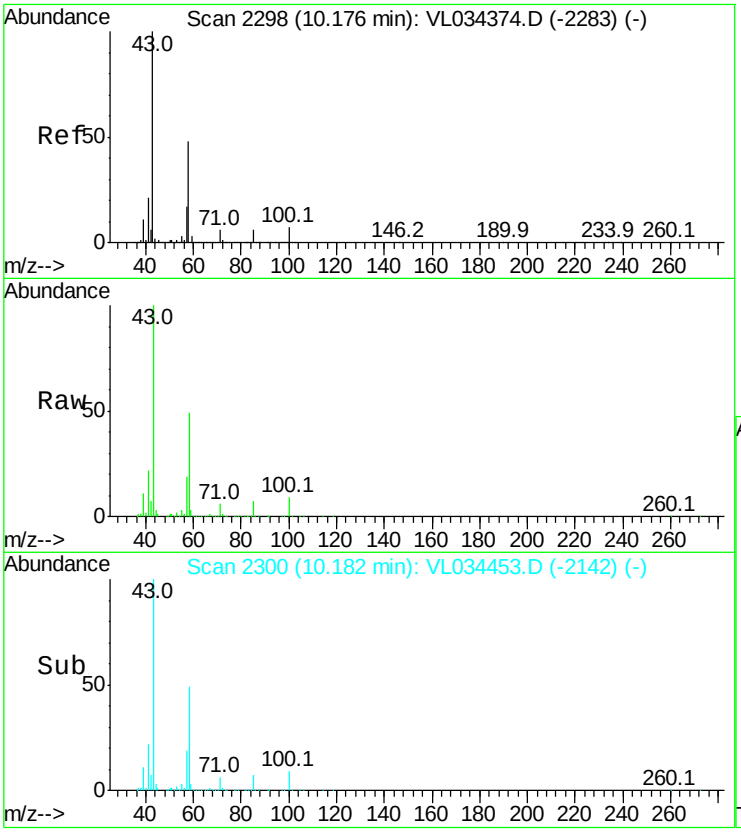


#50
4-Methyl-2-Pentanone
Concen: 9.575 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 43 Resp: 2193272

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.9	41.9



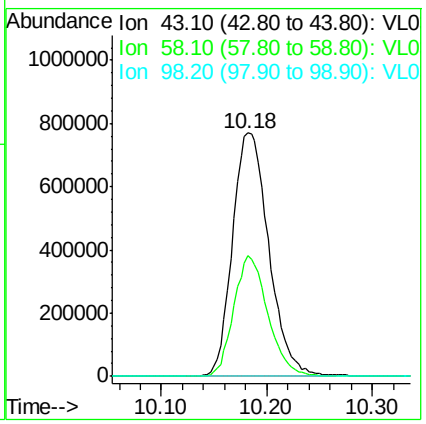


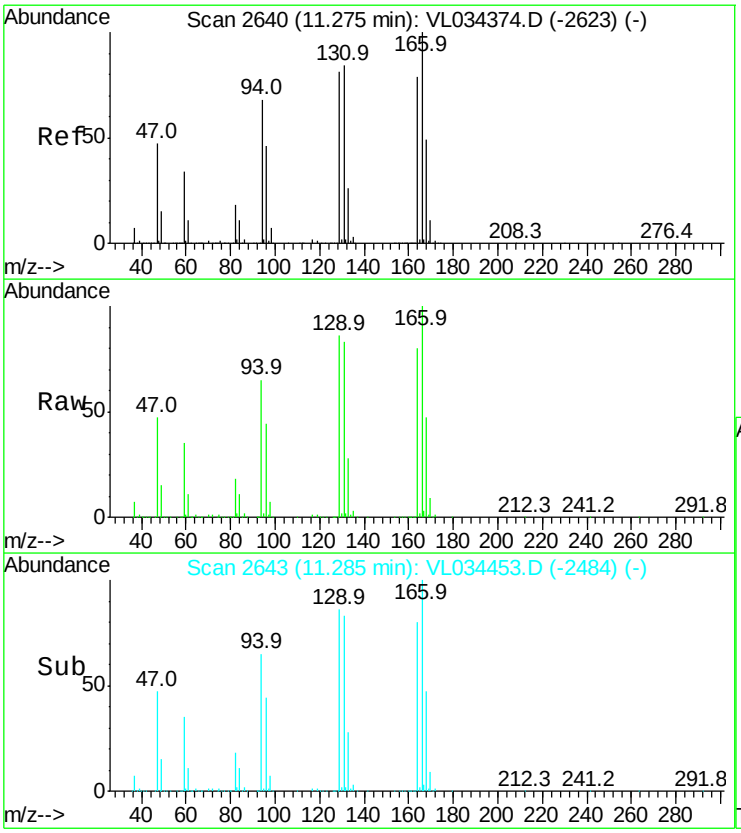
#51
2-Hexanone
Concen: 9.597 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1841402

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.2	57.4
98	0.3	0.2	0.2#

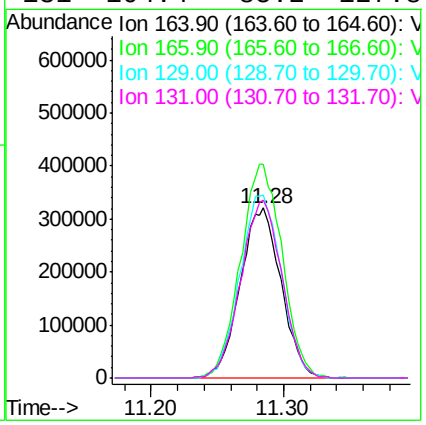


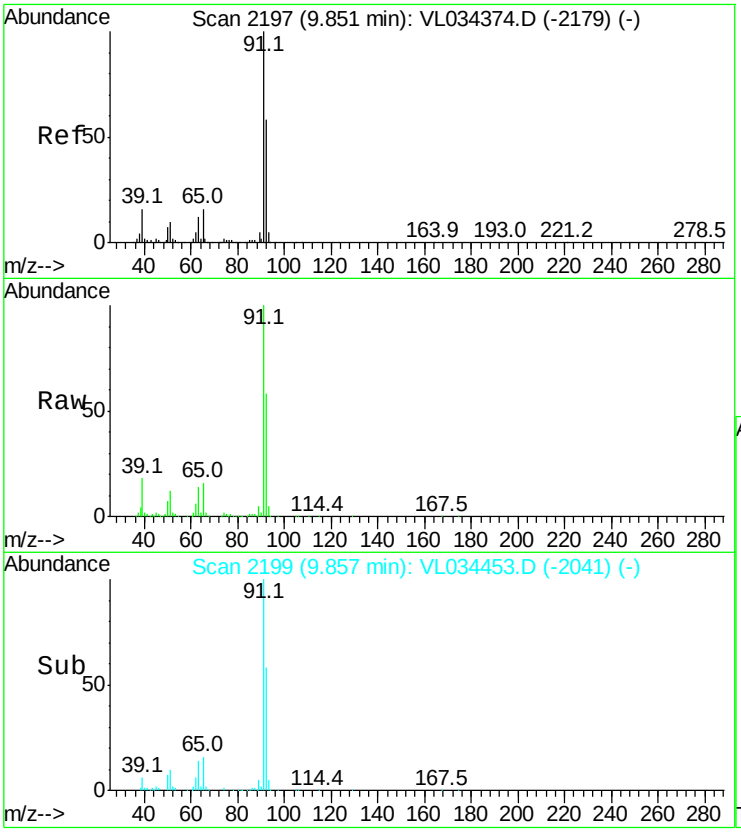


#52
Tetrachloroethene
Concen: 8.258 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:164 Resp: 686981

Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.7	152.5
129	107.4	82.6	123.8
131	104.4	85.2	127.8



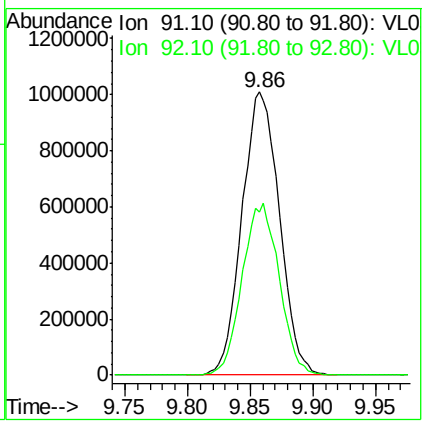


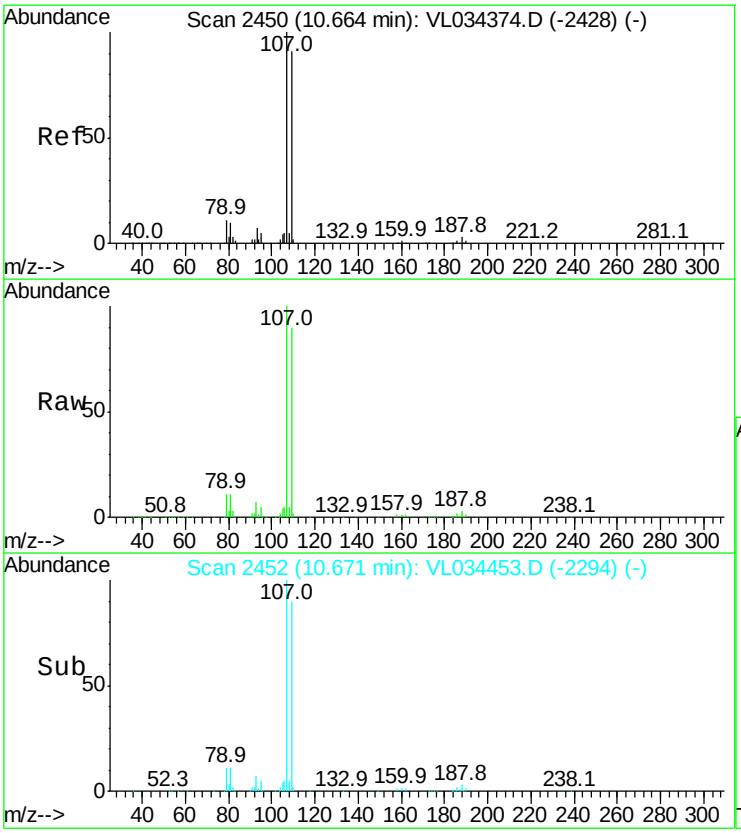
#53
Toluene
Concen: 9.605 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2097652

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.9	71.9

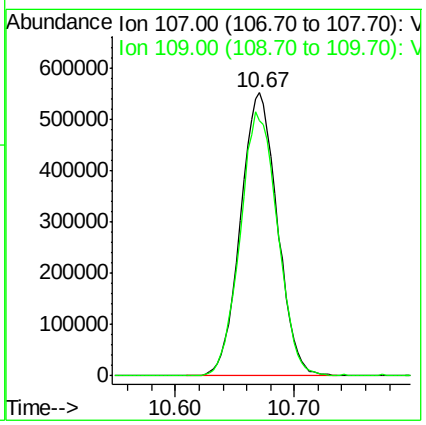


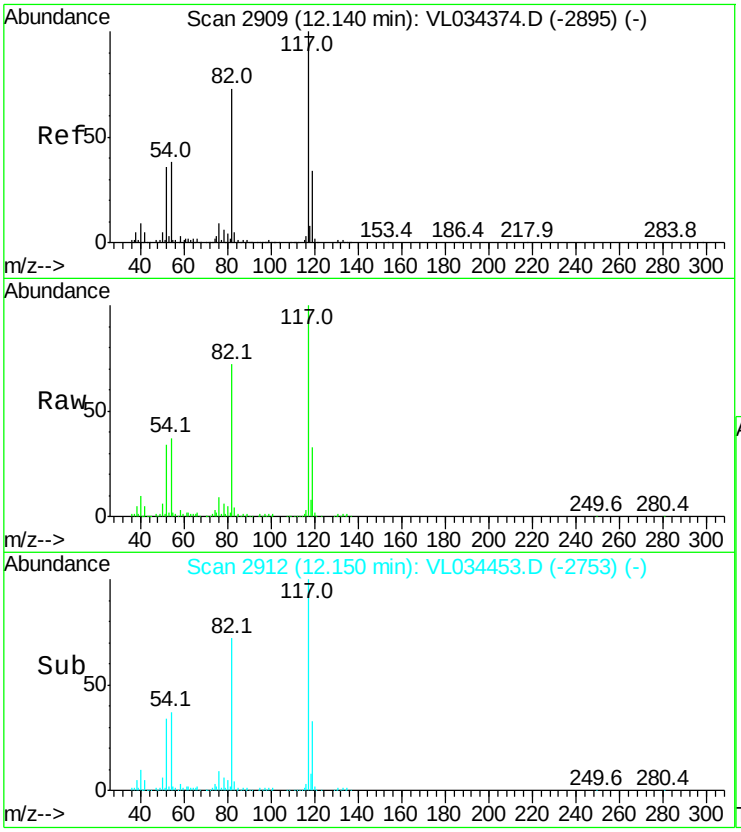


#54
1,2-Dibromoethane
Concen: 9.356 ppbv
RT: 10.67 min Scan# 2452
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:107 Resp: 1181946

Ion	Ratio	Lower	Upper
107	100		
109	90.1	73.0	109.4



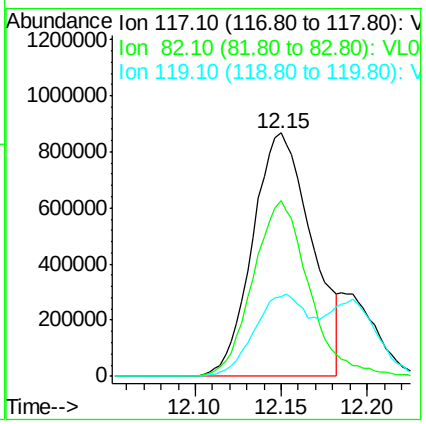


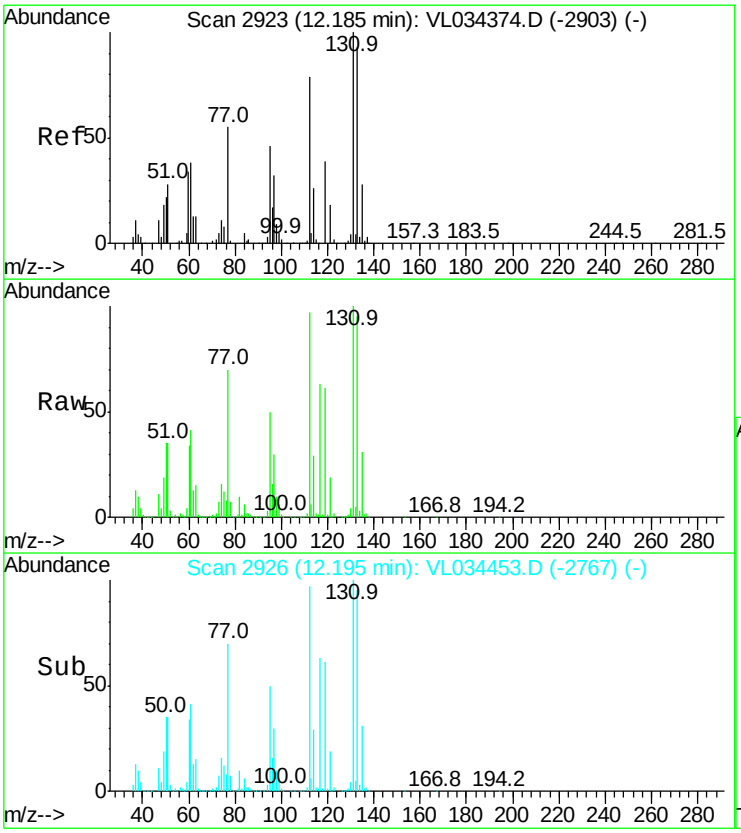
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2069983

Ion	Ratio	Lower	Upper
117	100		
82	68.5	57.5	86.3
119	32.3	25.4	38.2

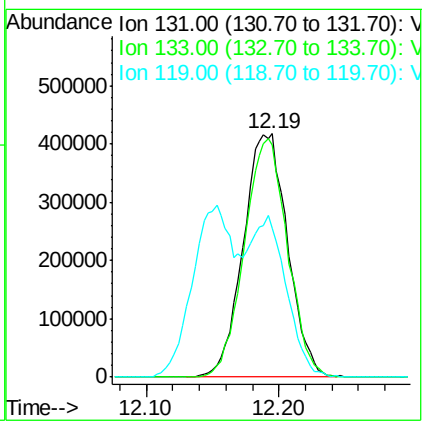


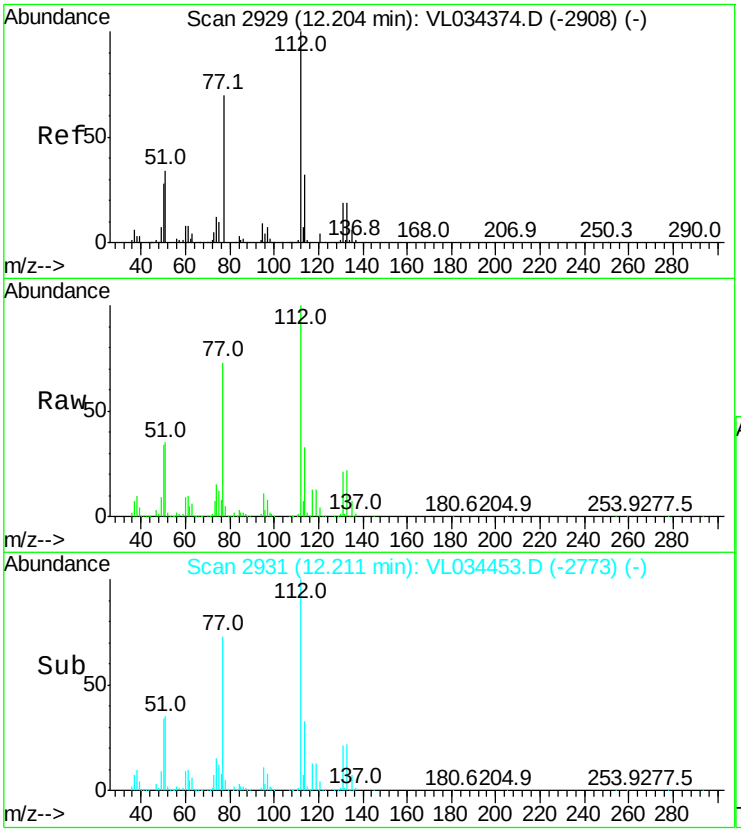


#56
1,1,1,2-Tetrachloroethane
Concen: 9.575 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:131 Resp: 969505

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.2
119	63.5	44.6	67.0



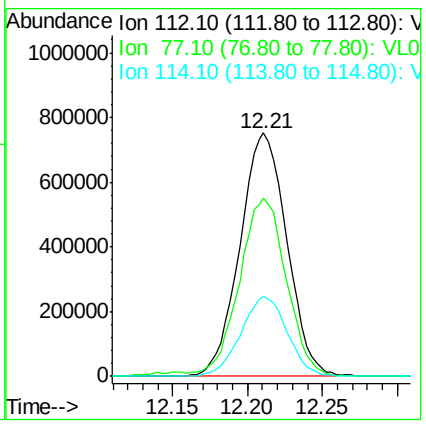


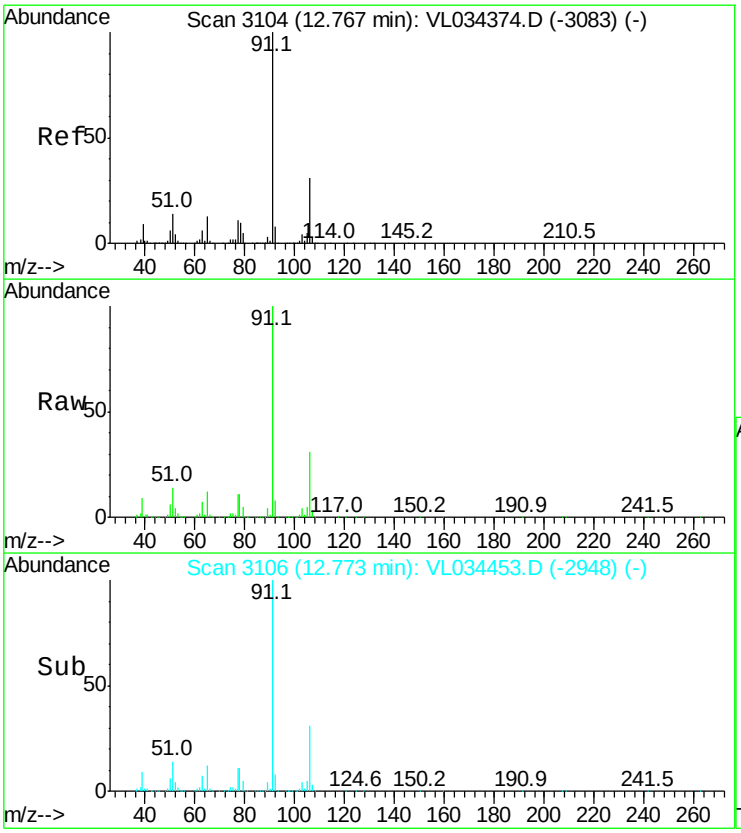
#57
Chlorobenzene
Concen: 8.713 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1630432

Ion	Ratio	Lower	Upper
112	100		
77	72.9	57.1	85.7
114	32.9	28.5	34.9

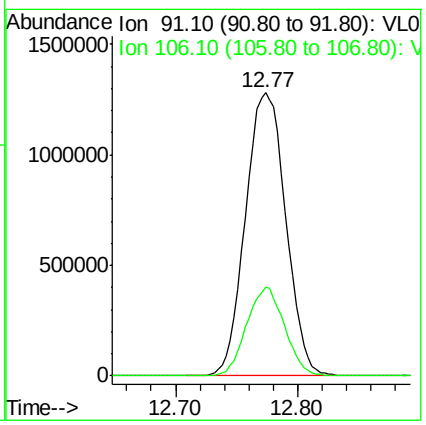


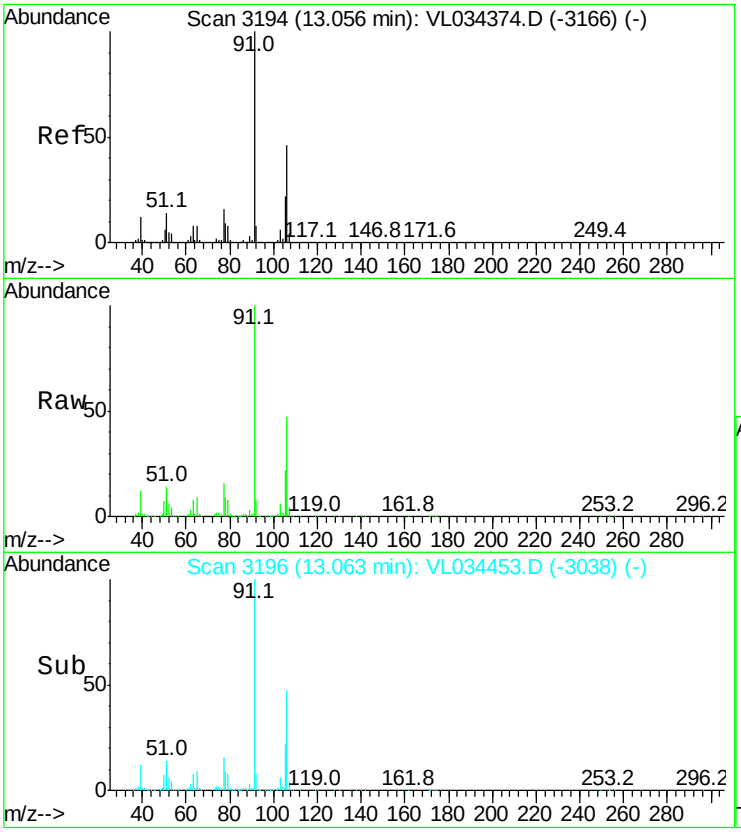


#58
Ethyl Benzene
Concen: 9.091 ppbv
RT: 12.77 min Scan# 3106
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 2920388

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.8	37.2



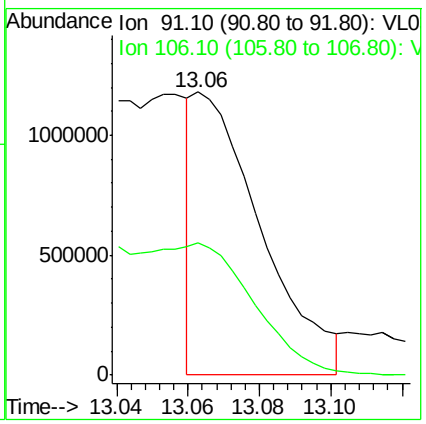


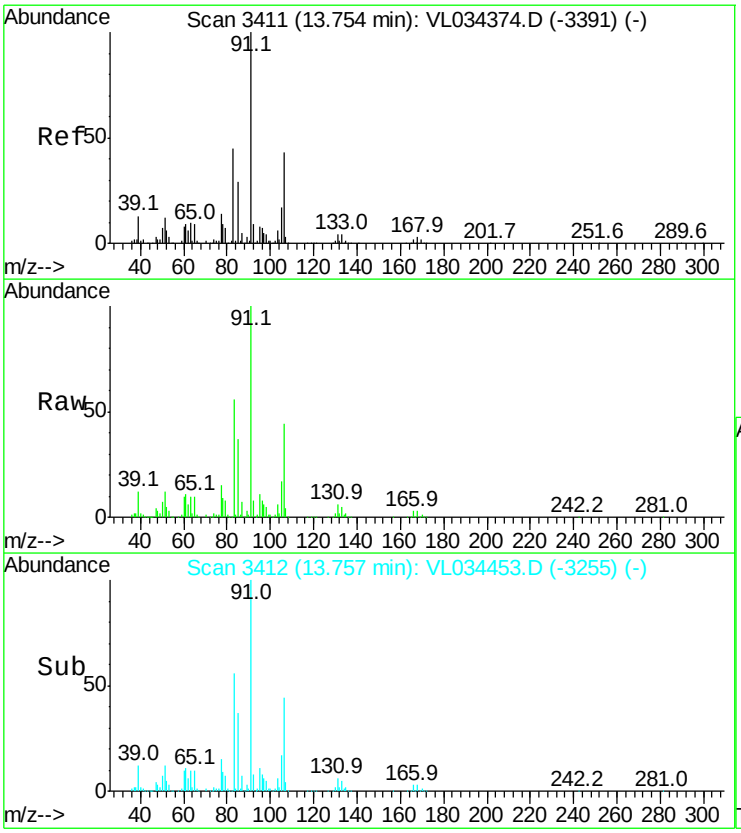
#59
m/p-Xylene
Concen: 5.518 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 1532286

Ion	Ratio	Lower	Upper
91	100		
106	140.3	34.6	51.8#

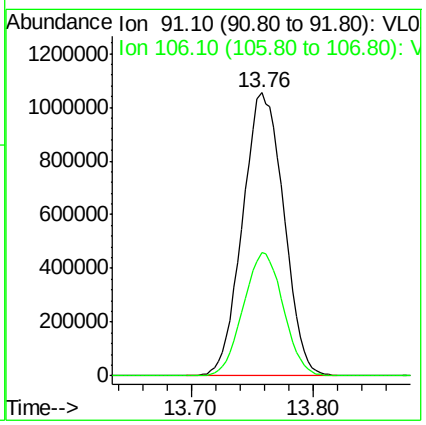


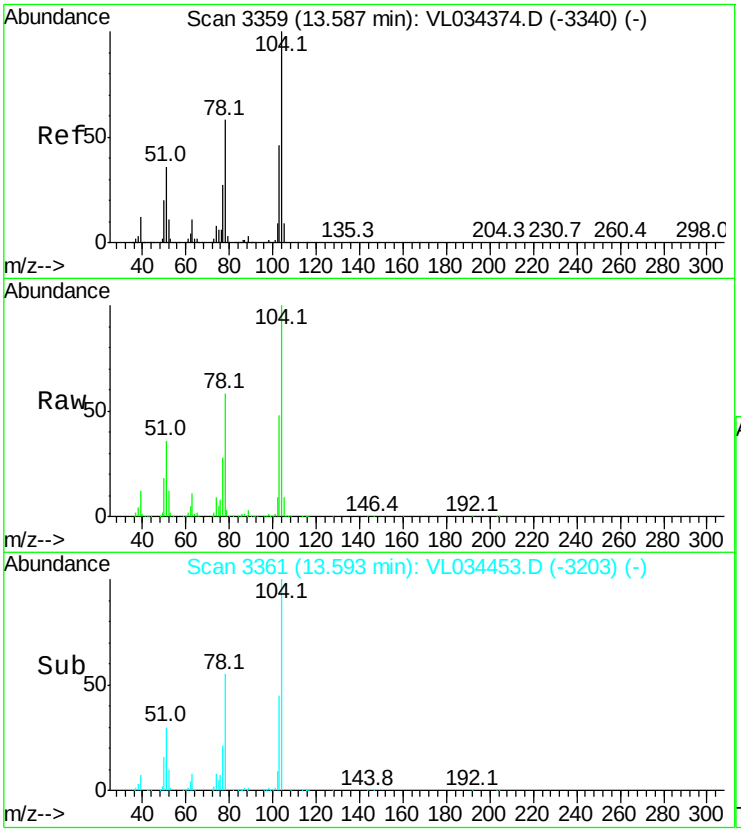


#60
o-Xylene
Concen: 8.952 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 2457779

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.3	64.0



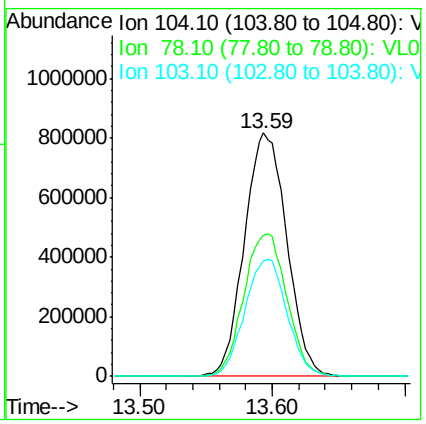


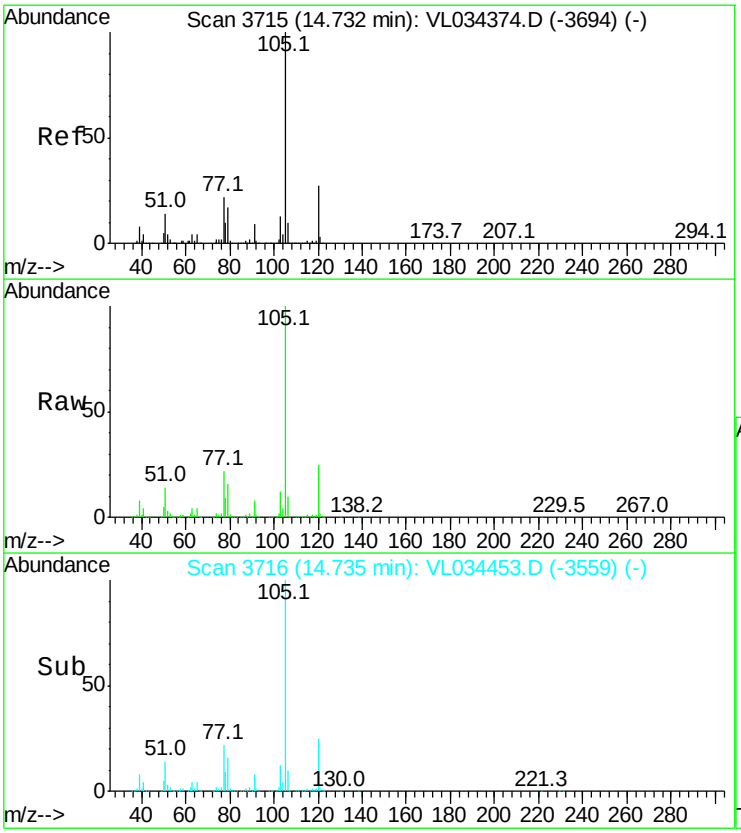
#61
Styrene
Concen: 9.161 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 1813656

Ion	Ratio	Lower	Upper
104	100		
78	59.5	47.6	71.4
103	48.0	38.6	57.8

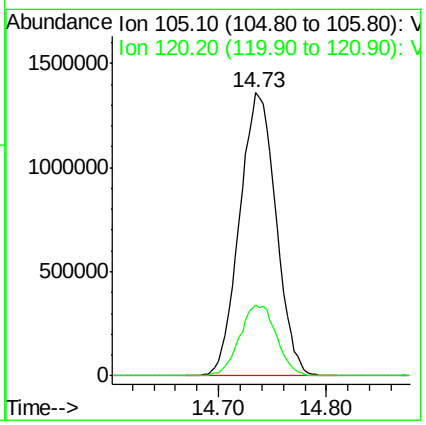


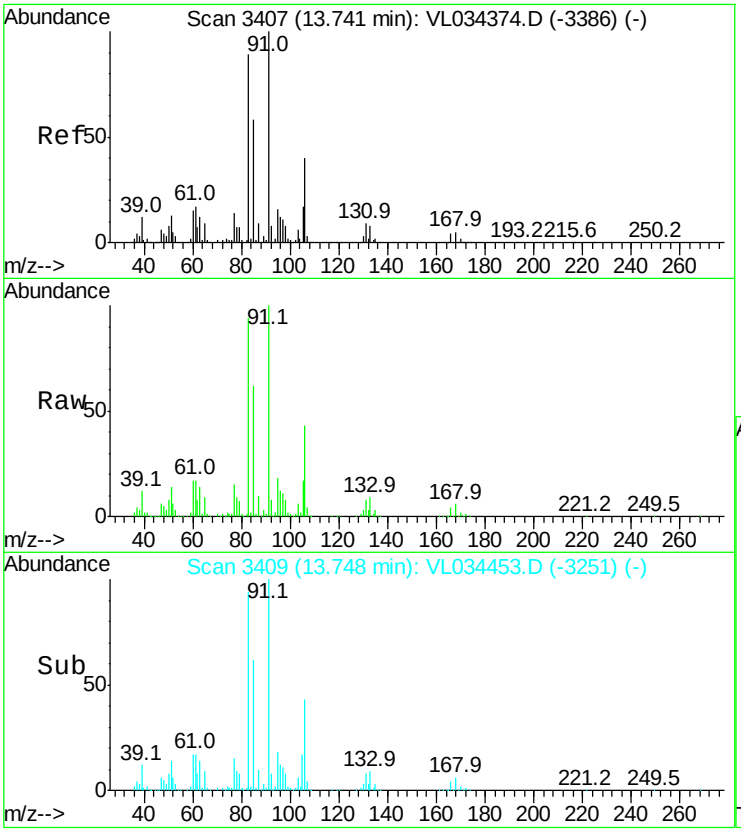


#62
Isopropylbenzene
Concen: 8.792 ppbv
RT: 14.73 min Scan# 3716
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:105 Resp: 3192572

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



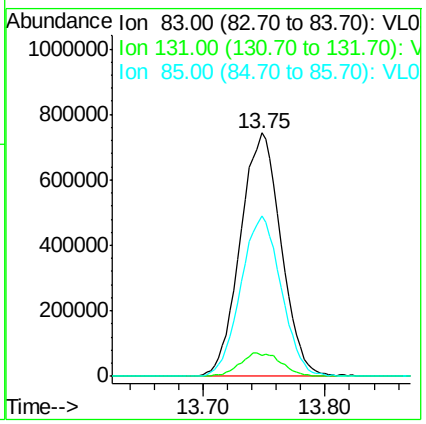


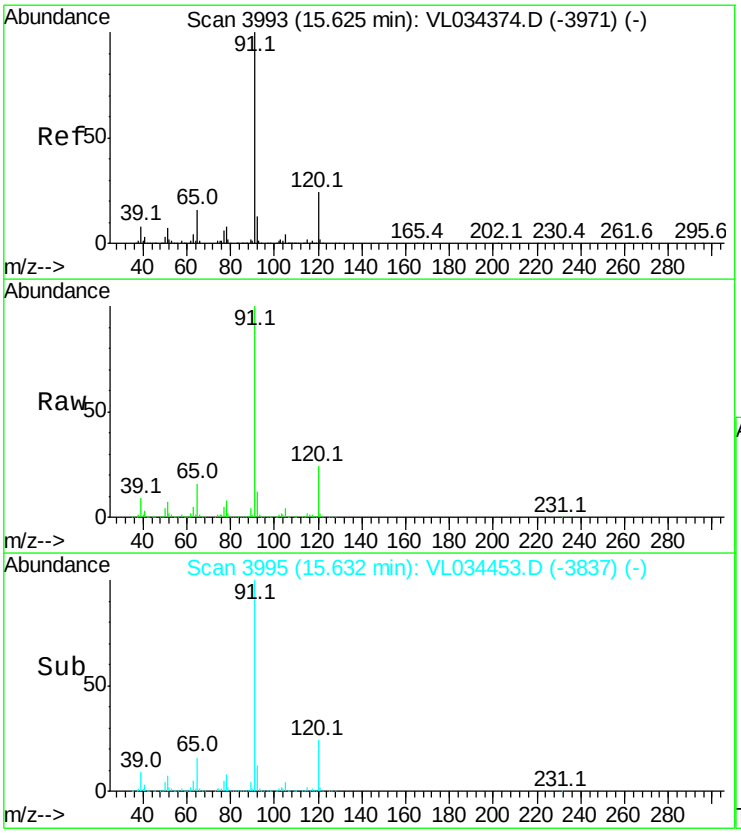
#63
1,1,2,2-Tetrachloroethane
Concen: 8.318 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 1716591

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.4	32.6	97.8

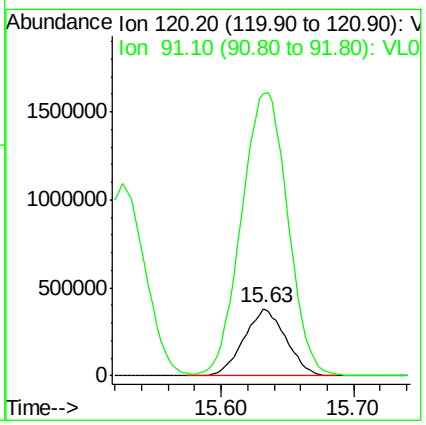


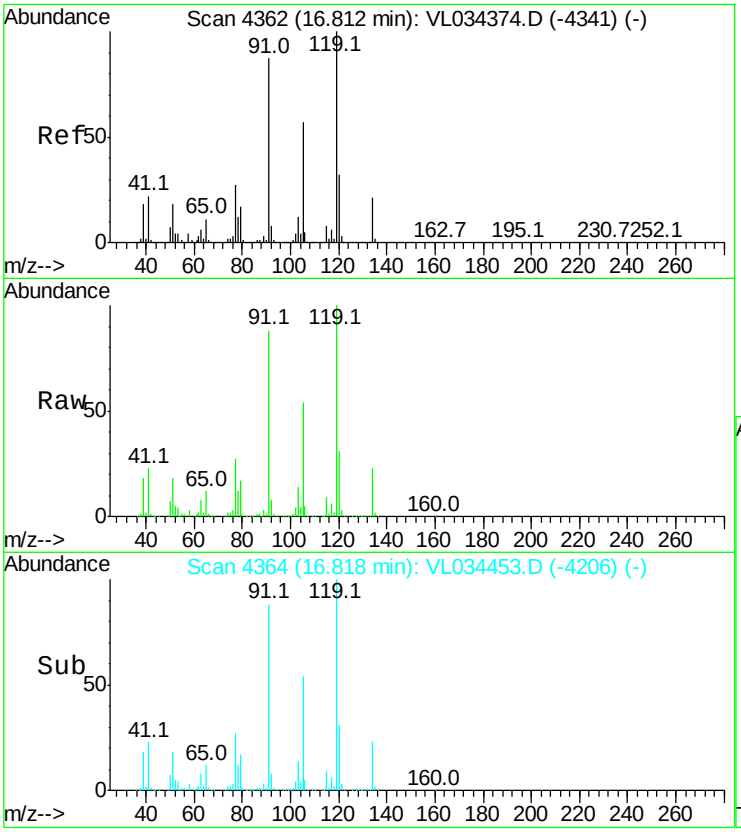


#64
n-propylbenzene
Concen: 8.892 ppbv
RT: 15.63 min Scan# 3995
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:120 Resp: 838478

Ion	Ratio	Lower	Upper
120	100		
91	467.7	370.9	556.3



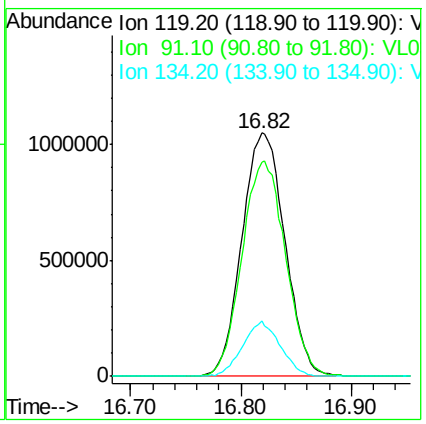


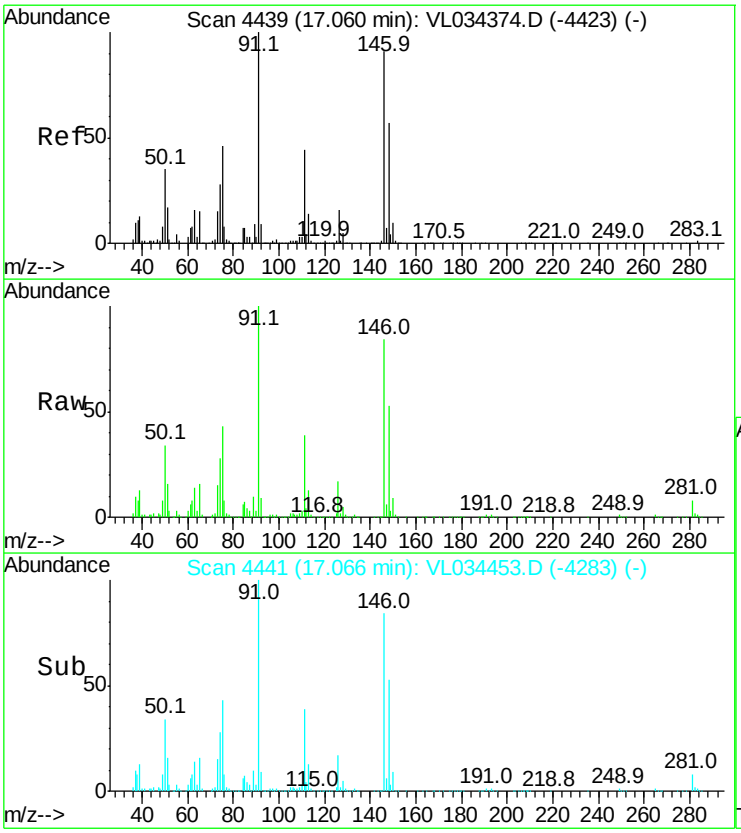
#65
tert-Butylbenzene
Concen: 8.682 ppbv
RT: 16.82 min Scan# 4364
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2831606

Ion	Ratio	Lower	Upper
119	100		
91	90.0	71.6	107.4
134	19.8	15.9	23.9

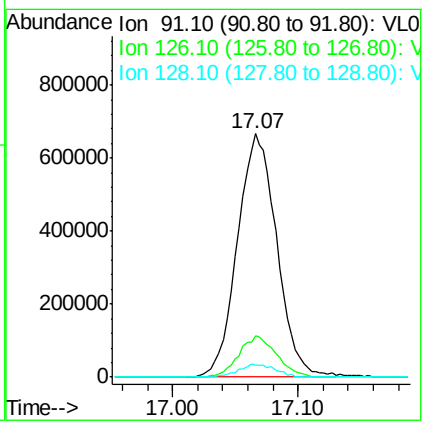


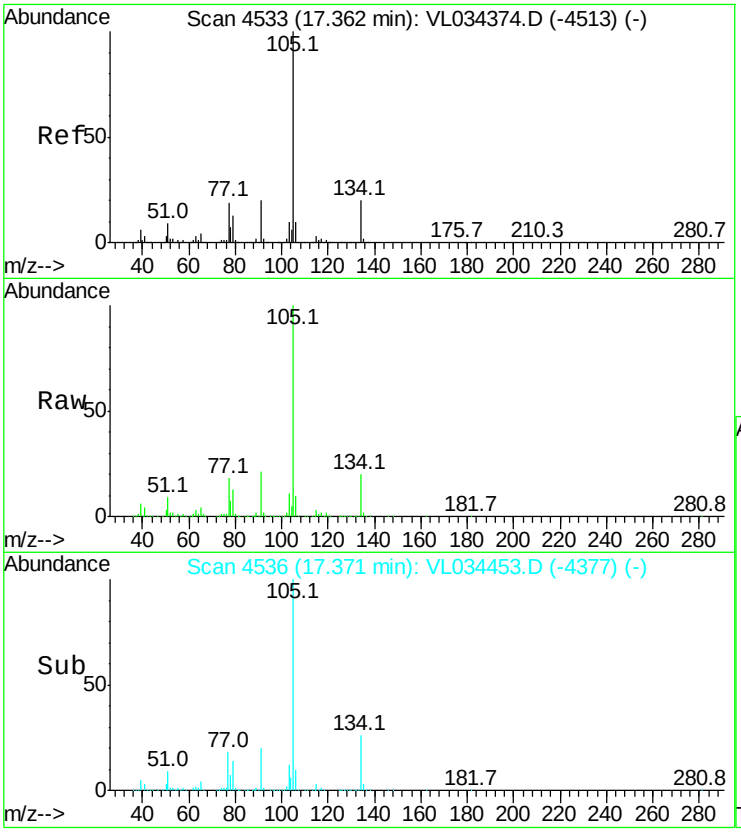


#66
Benzyl Chloride
Concen: 11.557 ppbv
RT: 17.07 min Scan# 4441
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 1450089

Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.0	4.3	6.5



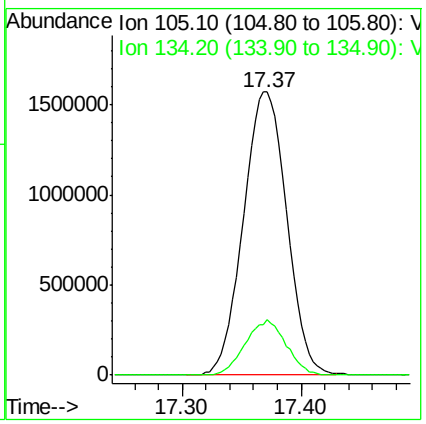


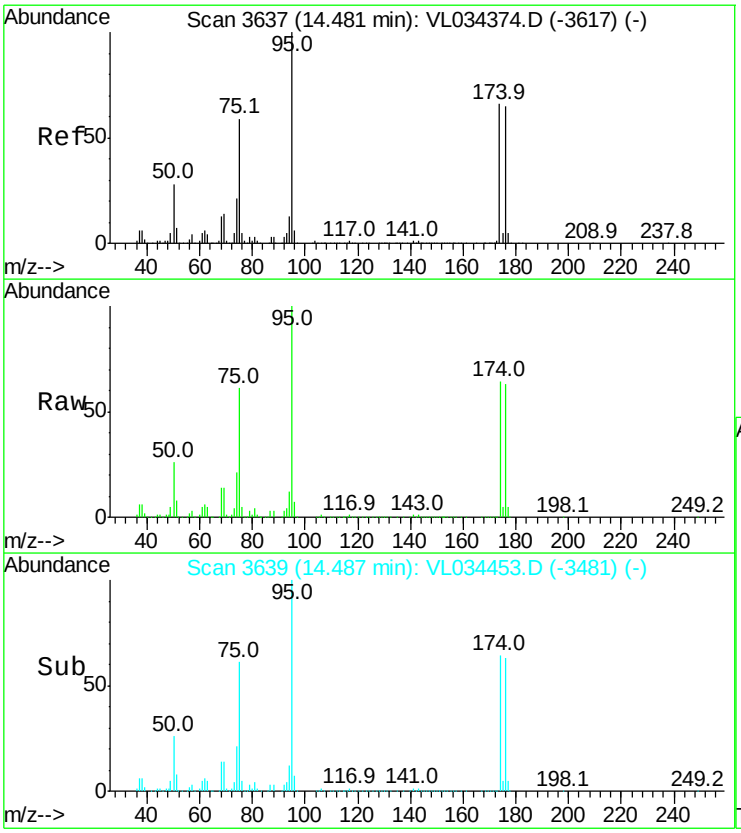
#67
sec-Butylbenzene
Concen: 8.677 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3958958

Ion	Ratio	Lower	Upper
105	100		
134	18.3	15.0	22.6

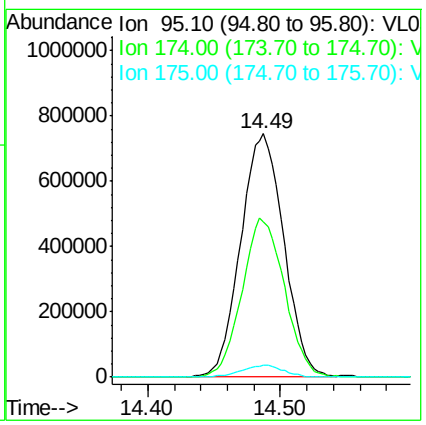


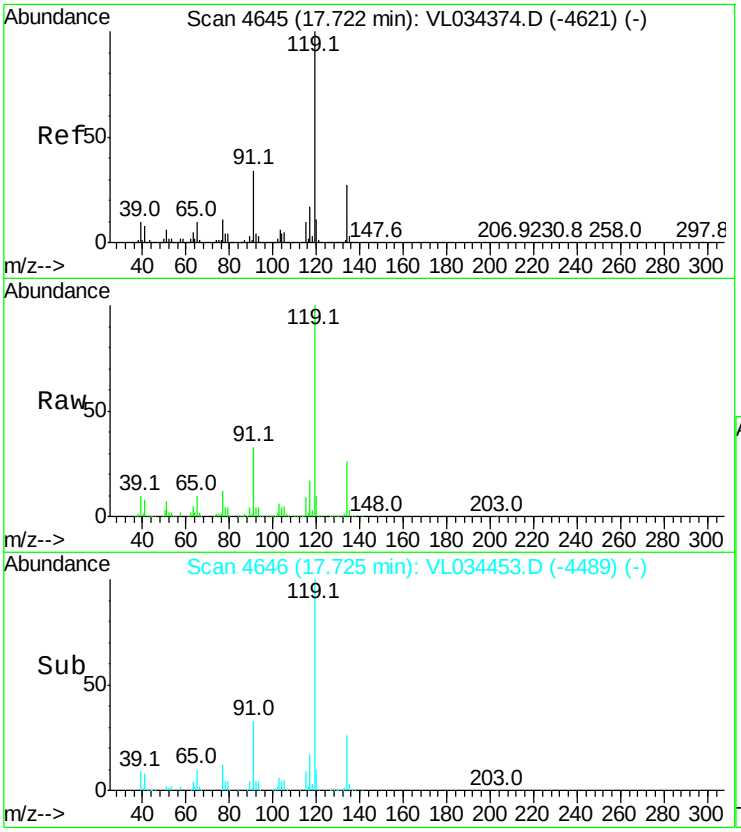


#68
1-Bromo-4-Fluorobenzene
Concen: 9.687 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 95 Resp: 1686842

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.2	78.2
175	4.8	3.8	5.8



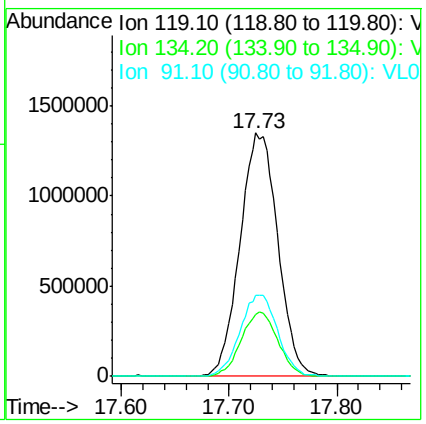


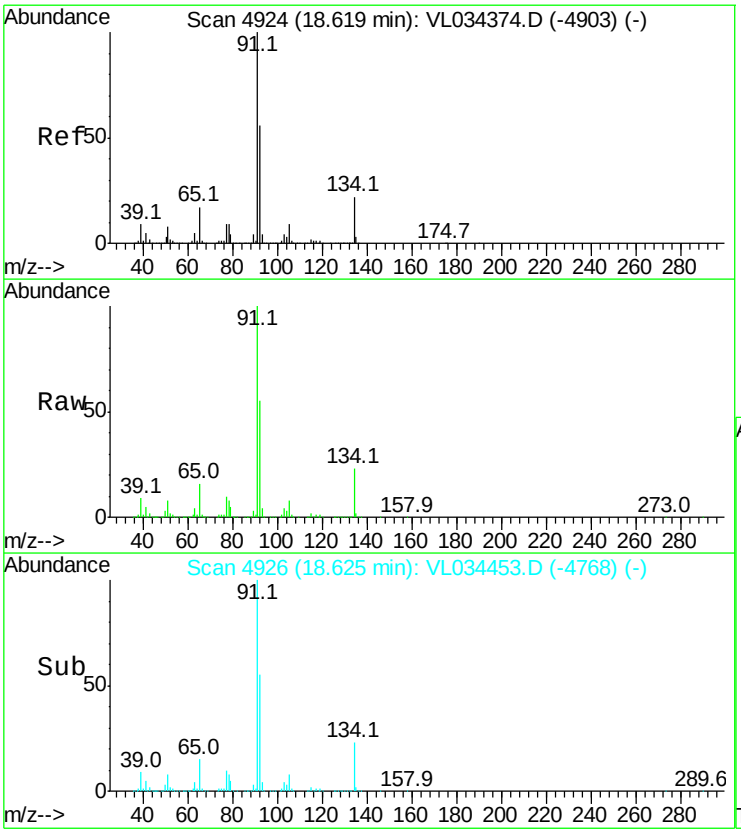
#69
p-Isopropyltoluene
Concen: 8.688 ppbv
RT: 17.73 min Scan# 4646
Delta R.T. 0.00 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3289711

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	33.3	26.3	39.5

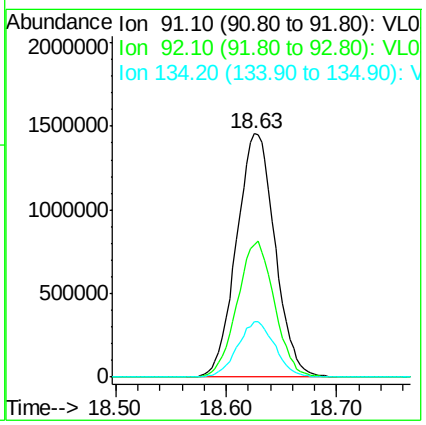


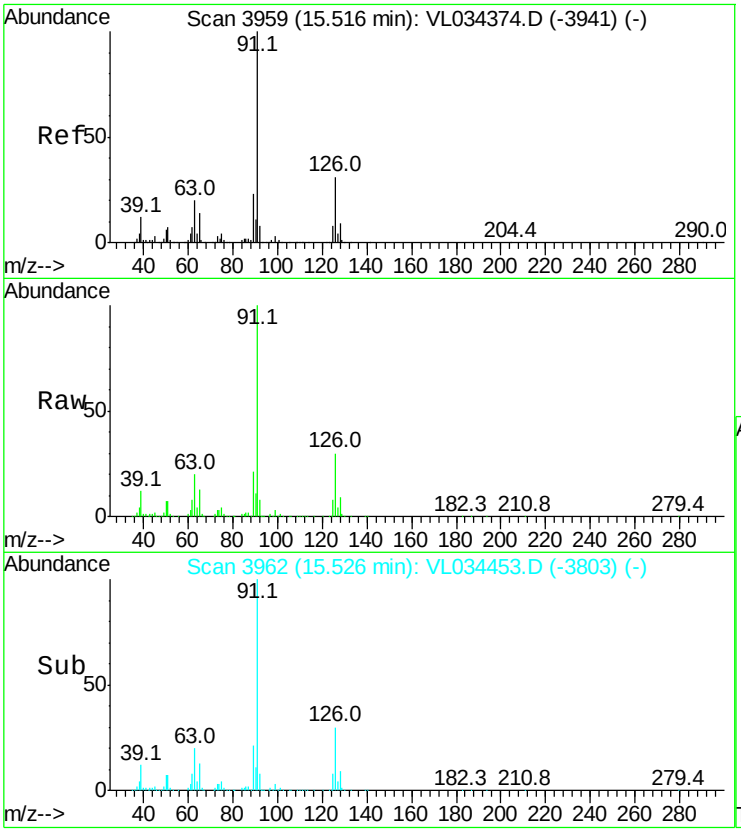


#70
n-Butylbenzene
Concen: 8.611 ppbv
RT: 18.63 min Scan# 4926
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion: 91 Resp: 3508125

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	22.2	17.9	26.9



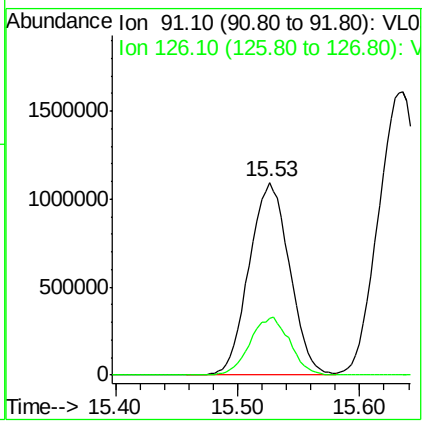


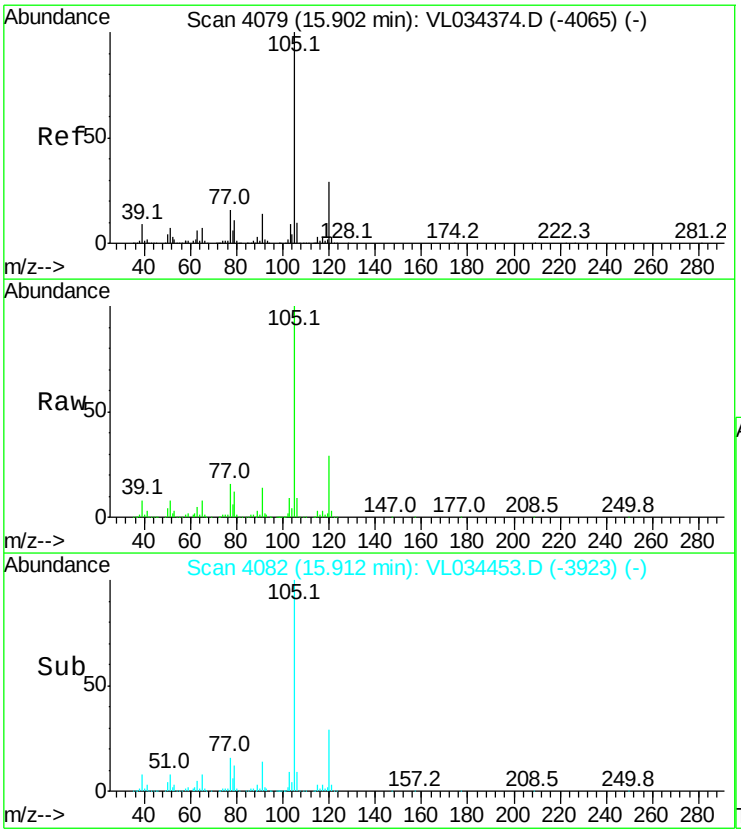
#71
2-Chlorotoluene
Concen: 8.676 ppbv
RT: 15.53 min Scan# 3962
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2511895

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.8	47.4

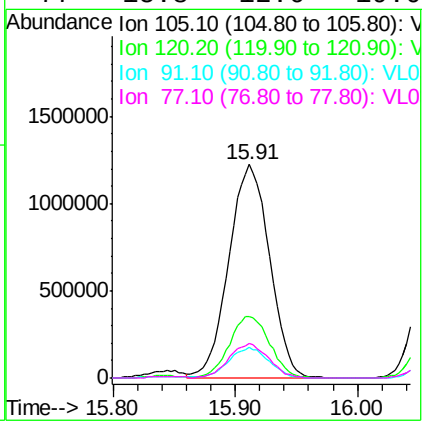


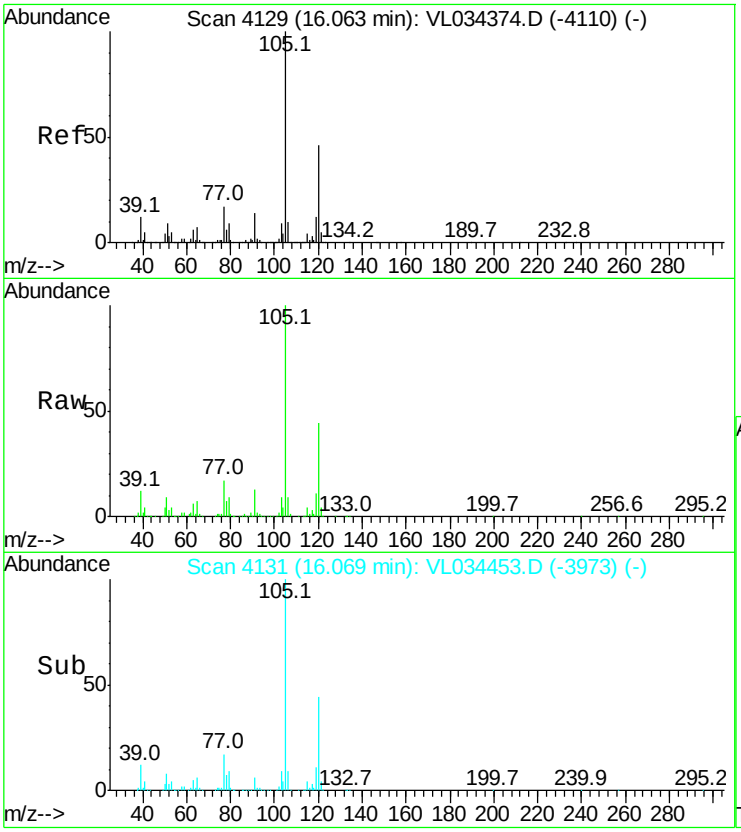


#72
4-Ethyltoluene
Concen: 8.894 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:105 Resp: 2821515

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.5	35.3
91	14.0	11.4	17.0
77	15.8	12.6	19.0



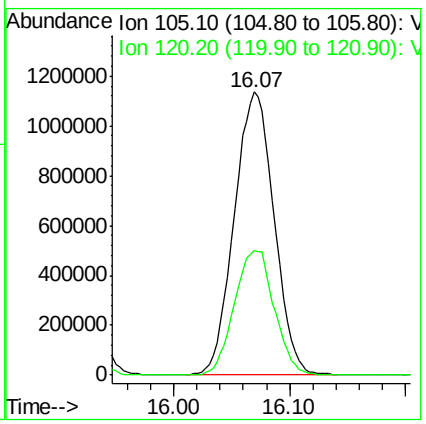


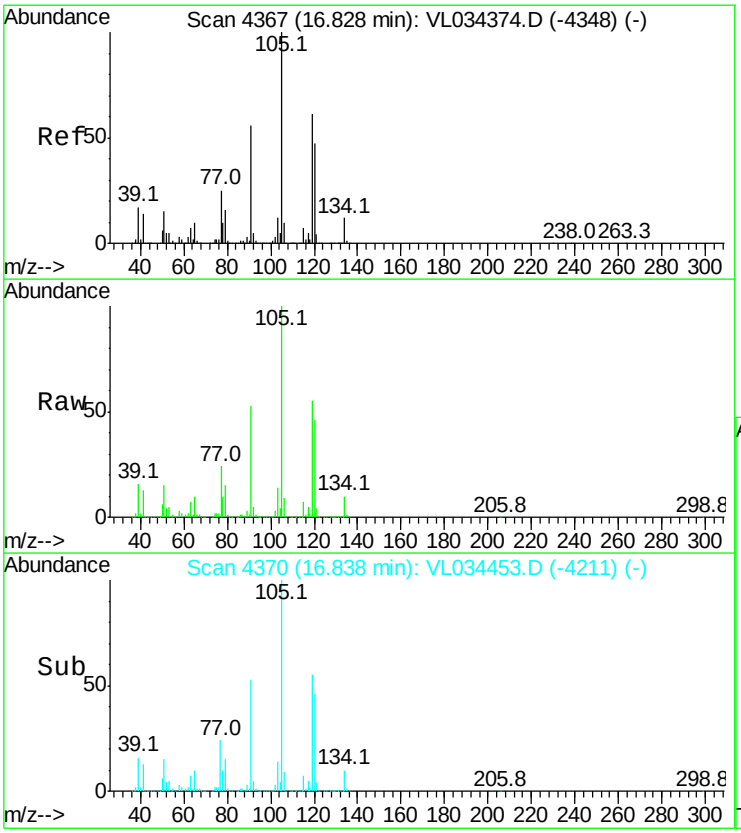
#73
1,3,5-Trimethylbenzene
Concen: 8.700 ppbv
RT: 16.07 min Scan# 4131
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2701415

Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.1	55.7

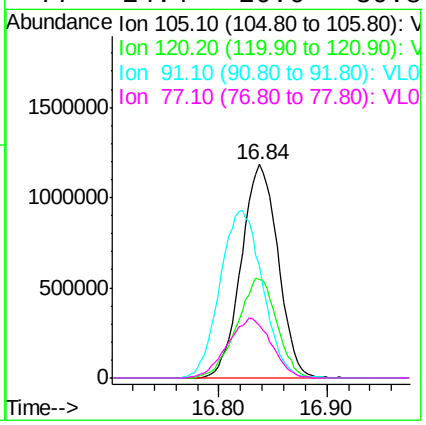


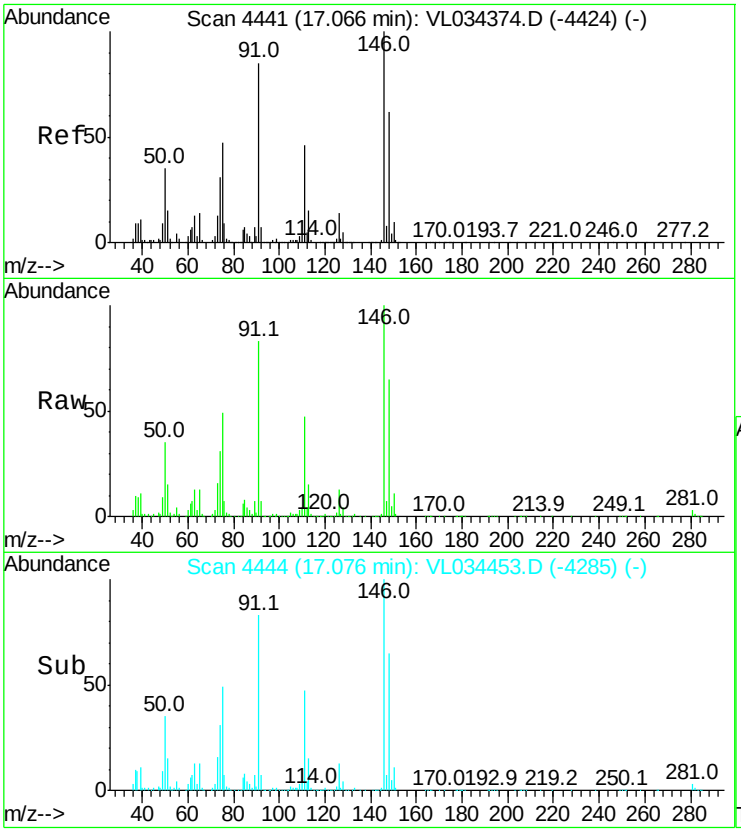


#74
1,2,4-Trimethylbenzene
Concen: 8.489 ppbv
RT: 16.84 min Scan# 4370
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:105 Resp: 2800029

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.4	56.0
91	52.5	46.3	69.5
77	24.4	20.6	30.8



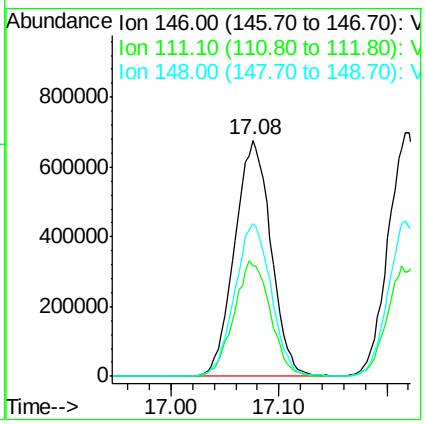


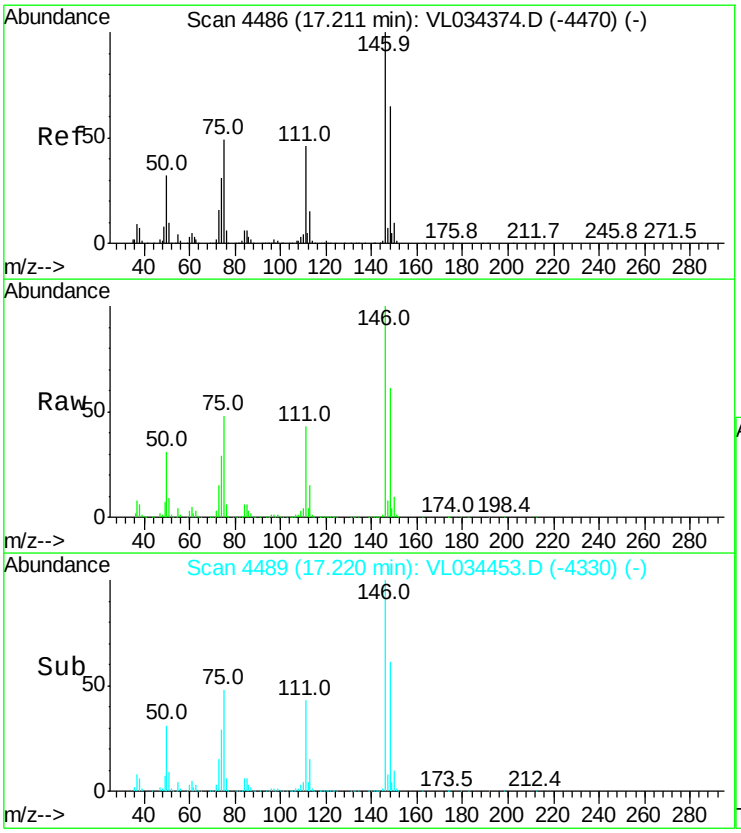
#75
1,3-Dichlorobenzene
Concen: 8.394 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1591533

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.4
148	64.8	32.4	97.0

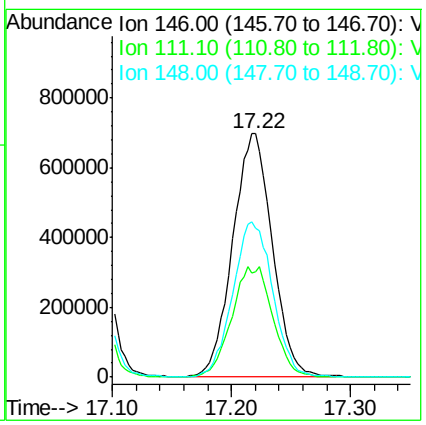


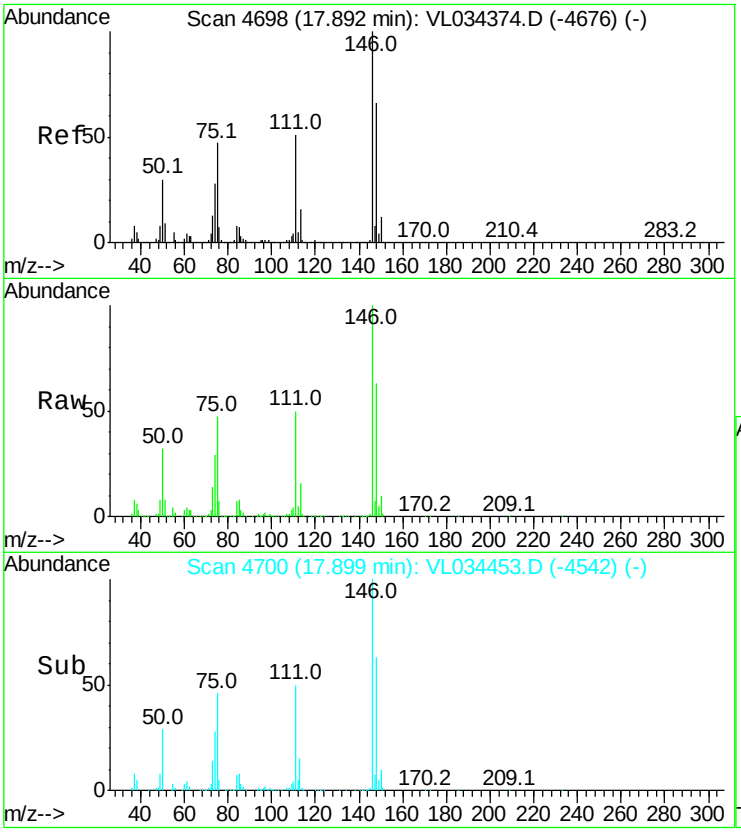


#76
1,4-Dichlorobenzene
Concen: 8.641 ppbv
RT: 17.22 min Scan# 4489
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:146 Resp: 1590814

Ion	Ratio	Lower	Upper
146	100		
111	47.6	24.1	72.3
148	65.1	32.9	98.6



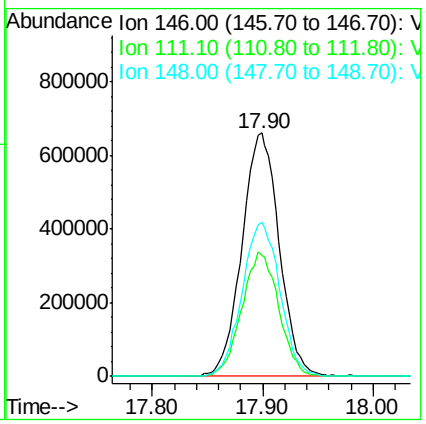


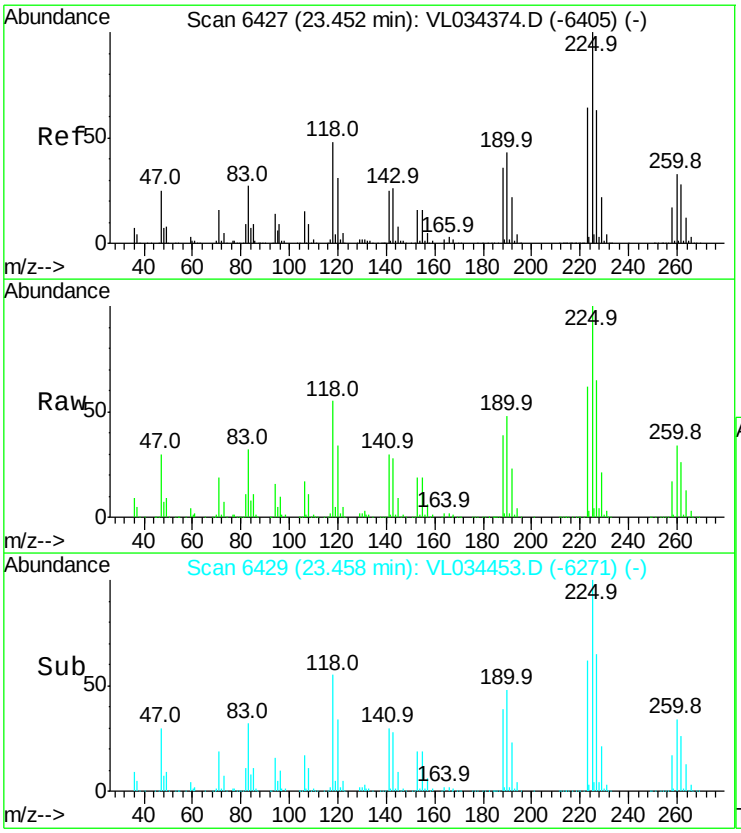
#77
1,2-Dichlorobenzene
Concen: 8.460 ppbv
RT: 17.90 min Scan# 4700
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1549130

Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.0	75.0
148	64.5	32.7	98.1

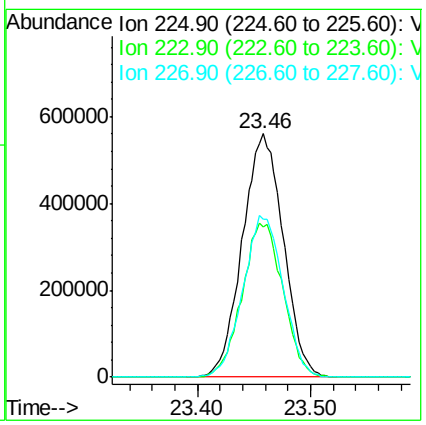


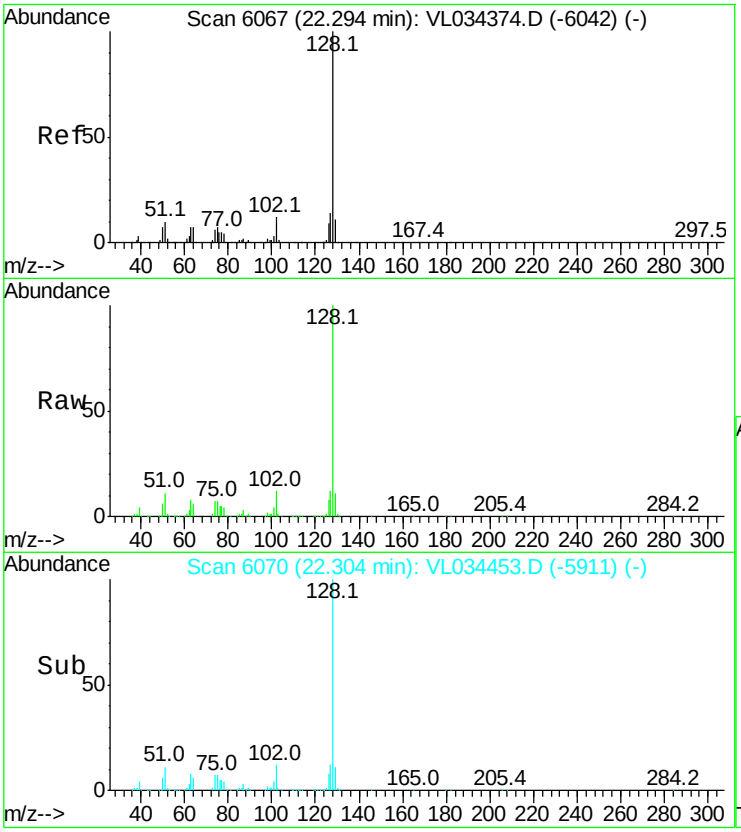


#78
Hexachloro-1,3-Butadiene
Concen: 8.942 ppbv
RT: 23.46 min Scan# 6429
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:225 Resp: 1406927

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2
227	65.4	51.5	77.3



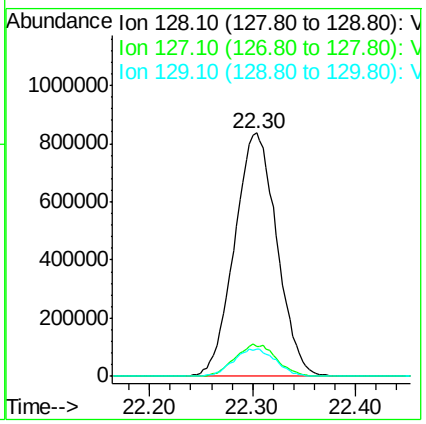


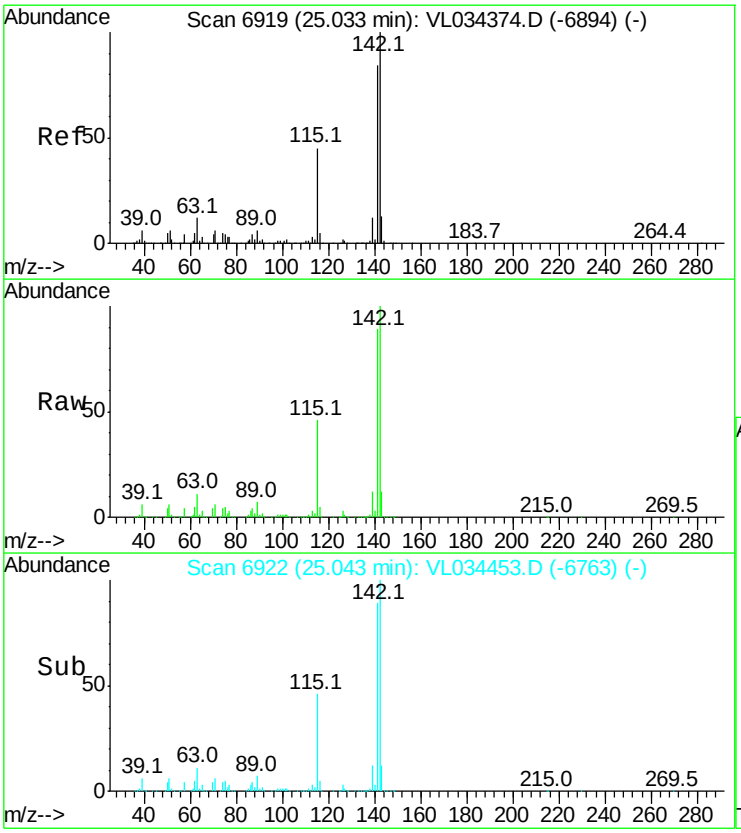
#79
Naphthalene
Concen: 8.325 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2380337

Ion	Ratio	Lower	Upper
128	100		
127	12.2	11.0	16.6
129	11.4	8.9	13.3

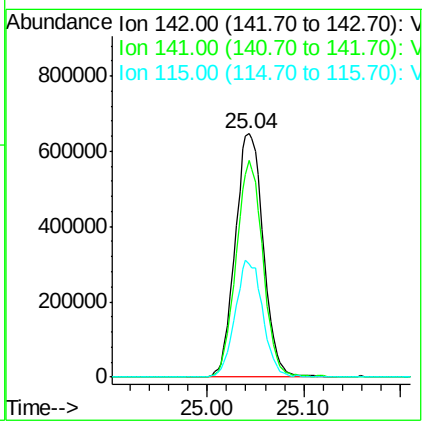


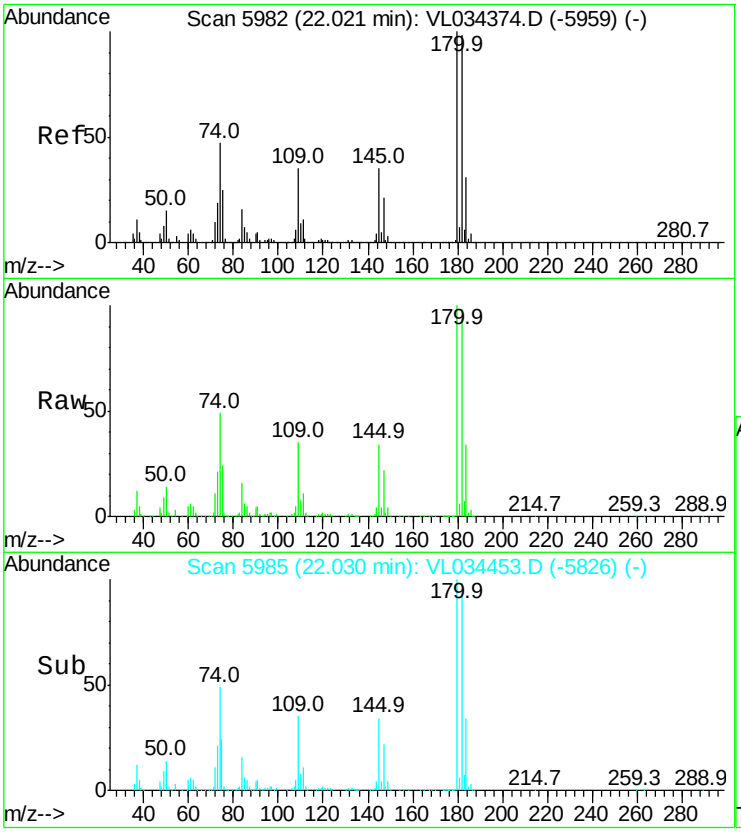


#80
Naphthalene,2-methyl-
Concen: 10.129 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Tgt Ion:142 Resp: 1307825

Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.1	100.7
115	47.4	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 8.166 ppbv
RT: 22.03 min Scan# 5985
Delta R.T. 0.01 min
Lab File: VL034453.D
Acq: 3 Dec 2019 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1434398

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
184	31.8	24.9	37.3