Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033767.D
Acq On : 23 May 2019 5:45
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 23 06:54:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	869410	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2215213	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2318153	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1818147	9.67	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	1538137	8.395	ppbv		100
3) Chlorodifluoromethane	3.01	51	1108613	11.132	ppbv		99
4) Chloromethane	3.17	50	630851	11.075	ppbv		99
5) Vinyl Chloride	3.29	62	636155	10.964	ppbv		98
6) Bromomethane	3.51	94	405294	11.448	ppbv		95
7) Chloroethane	3.60	64	236335	11.461	ppbv		98
8) Dichlorotetrafluoroethane	3.22	85	1645943	11.143	ppbv		100
9) Propene	3.03	41	481659	11.371	ppbv		100
10) Heptane	8.24	43	1346693	11.227	ppbv		100
11) Trichlorofluoromethane	4.00	101	1948022	11.140	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1287604	10.544	ppbv		100
13) Ethanol	3.64	45	111424	8.139	ppbv		99
14) Bromoethene	3.78	108	528386	11.770	ppbv		99
15) Acetone	3.90	43	1187113	9.841	ppbv		100
16) 1,3-Butadiene	3.36	39	569567	11.857	ppbv		100
17) tert-Butyl alcohol	4.35	59	1180590	12.104	ppbv		99
18) 1,1-Dichloroethene	4.35	96	579593	11.245	ppbv		100
19) Isopropyl Alcohol	4.02	45	917305	11.794	ppbv	#	98
20) Methylene Chloride	4.40	84	491512	10.583	ppbv		98
21) Allyl Chloride	4.47	41	856511	11.384	ppbv		100
22) trans-1,2-Dichloroethene	4.96	96	596269	11.286	ppbv		94
23) Vinyl Acetate	5.15	43	1731493	10.887	ppbv		98
24) 1,1-Dichloroethane	5.09	63	1209372	10.003	ppbv		99
25) Ethyl Acetate	5.76	43	2167444	10.229	ppbv		100
26) Hexane	5.78	57	946236	10.387	ppbv		98
27) Carbon Disulfide	4.62	76	1434084	11.475	ppbv		99
28) Methyl tert-Butyl Ether	5.11	73	1558565	10.495	ppbv		100
29) Chloroform	5.84	83	1642748	9.790	ppbv		98
30) Cyclohexane	7.24	84	834169	10.892	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	972406	10.766	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	1730302	10.327	ppbv		99
34) 2-Butanone	5.32	43	1387666	10.106	ppbv		99
35) Carbon Tetrachloride	7.13	117	1870232	10.540	ppbv		99
36) Benzene	7.00	78	2047435	10.161	ppbv		99
37) 1,2-Dichloroethane	6.41	62	1304456	10.035	ppbv		99
38) Trichloroethene	7.96	130	888139	11.878	ppbv		99
39) 1,2-Dichloropropane	7.73	63	797042	10.609	ppbv		98
40) 1,4-Dioxane	7.95	88	351236	11.176	ppbv	#	96
41) Tetrahydrofuran	6.14	42	767874	9.981	ppbv		99
42) Bromodichloromethane	7.91	83	1922267	10.802	ppbv		93
43) Methyl Methacrylate	8.13	69	871567	11.753	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033767.D
Acq On : 23 May 2019 5:45
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 23 06:54:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3653377	10.727	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1123425	11.950	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1261914	11.463	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	874330	10.244	ppbv		97
48) Dibromochloromethane	10.44	129	1622163	10.969	ppbv		99
49) Bromoform	13.20	173	1510924	12.143	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	2257858	10.691	ppbv		100
51) 2-Hexanone	10.26	43	1863900	11.308	ppbv		100
52) Tetrachloroethene	11.37	164	793359	11.200	ppbv		97
53) Toluene	9.94	91	2462226	11.329	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1381034	10.603	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1077305	10.043	ppbv		98
57) Chlorobenzene	12.30	112	1898874	9.951	ppbv		99
58) Ethyl Benzene	12.86	91	3376939	11.000	ppbv		99
59) m/p-Xylene	13.14	91	3092796	11.525	ppbv	#	36
60) o-Xylene	13.84	91	2835791	10.483	ppbv		99
61) Styrene	13.68	104	2121217	11.647	ppbv		99
62) Isopropylbenzene	14.82	105	3839975	10.541	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1978079	10.055	ppbv		100
64) n-propylbenzene	15.72	120	993039	10.538	ppbv		98
65) tert-Butylbenzene	16.90	119	3510101	10.553	ppbv		99
66) Benzyl Chloride	17.15	91	1785342	11.270	ppbv		100
67) sec-Butylbenzene	17.45	105	4943916	10.620	ppbv		99
69) p-Isopropyltoluene	17.81	119	4082837	10.611	ppbv		99
70) n-Butylbenzene	18.71	91	4232496	10.257	ppbv		99
71) 2-Chlorotoluene	15.61	91	2896638	10.717	ppbv		100
72) 4-Ethyltoluene	15.99	105	3313255	10.712	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3210095	10.637	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3376811	10.282	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	1947079	9.675	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1913921	10.006	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1877239	9.927	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	1150724	8.048	ppbv		99
79) Naphthalene	22.40	128	2820756	9.247	ppbv		99
80) Naphthalene,2-methyl-	25.10	142	954372	8.234	ppbv		96
81) 1,2,4-Trichlorobenzene	22.12	180	1600765	8.961	ppbv		99

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

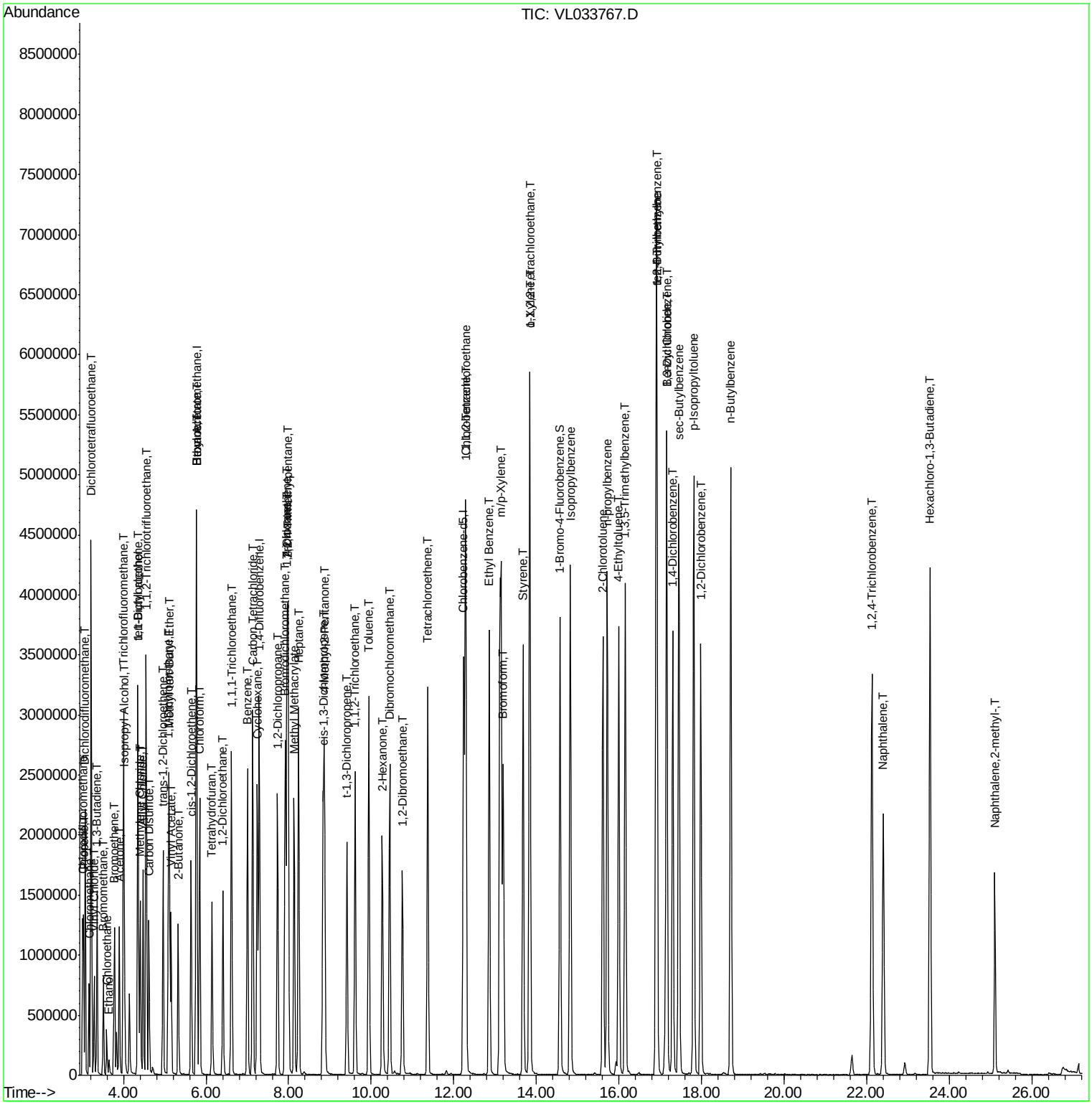
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

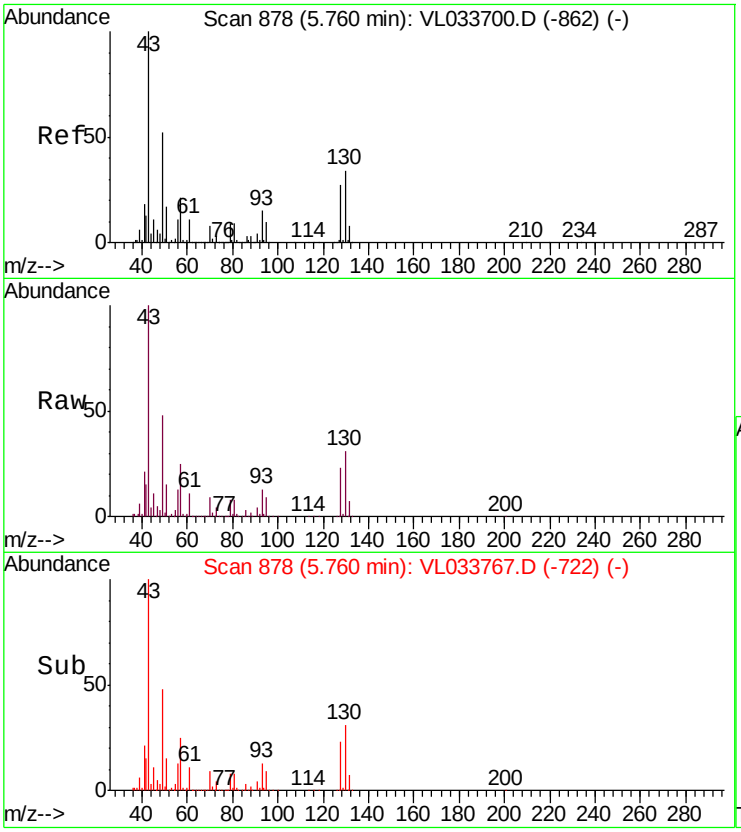
Quantitation Report (Not Reviewed)

Data File : VL033767.D
Acq On : 23 May 2019 5:45
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 23 06:54:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



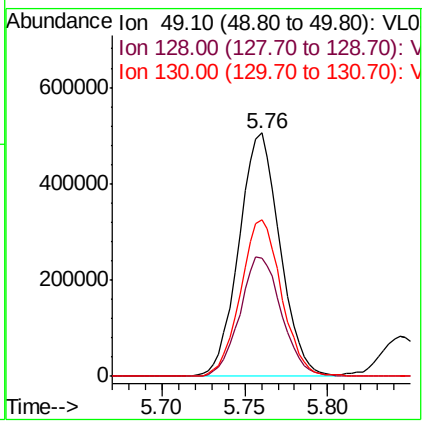


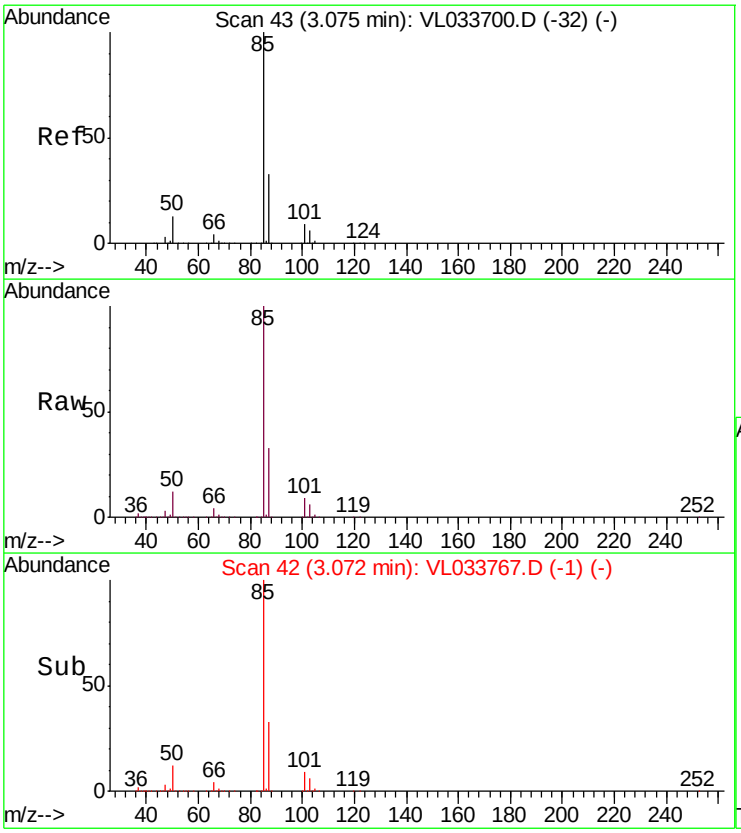
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 869410

Ion	Ratio	Lower	Upper
49	100		
128	49.6	25.2	75.6
130	64.3	32.5	97.5

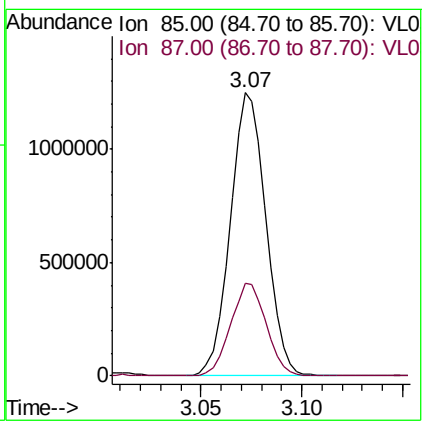


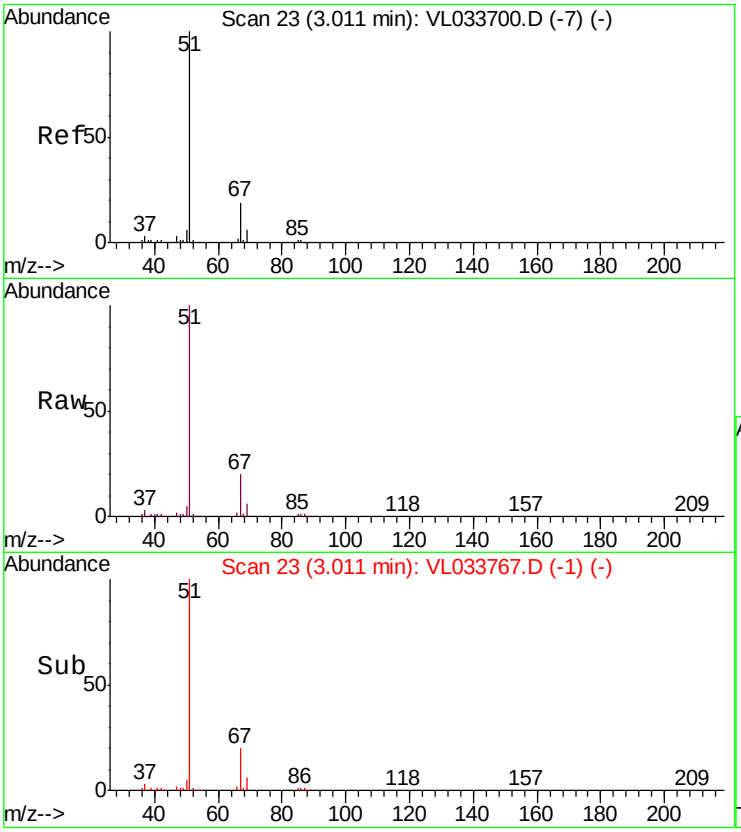


#2
Dichlorodifluoromethane
Concen: 8.395 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 85 Resp: 1538137

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.3	39.5



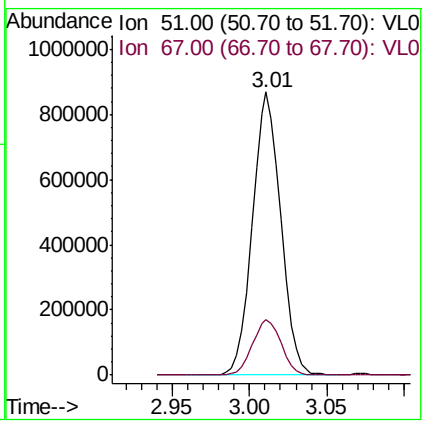


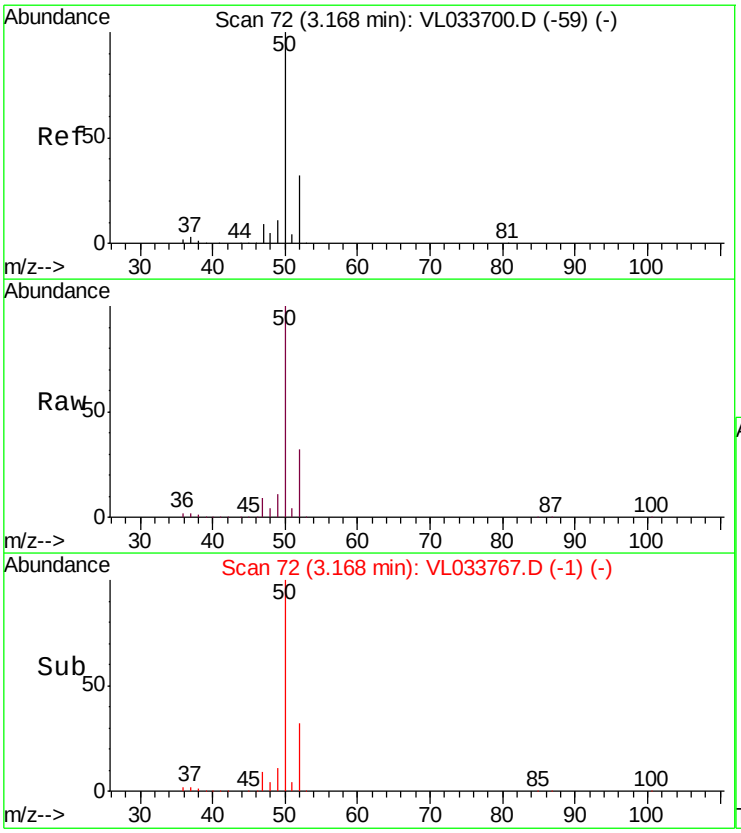
#3
Chlorodifluoromethane
Concen: 11.132 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1108613

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.6	23.4

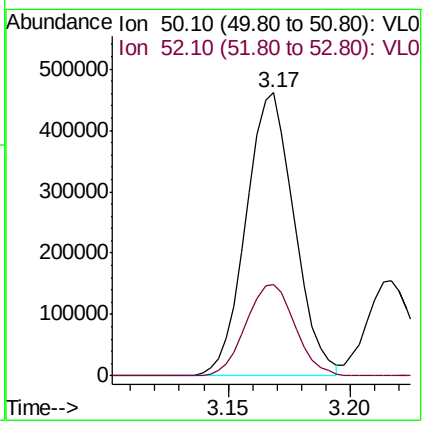


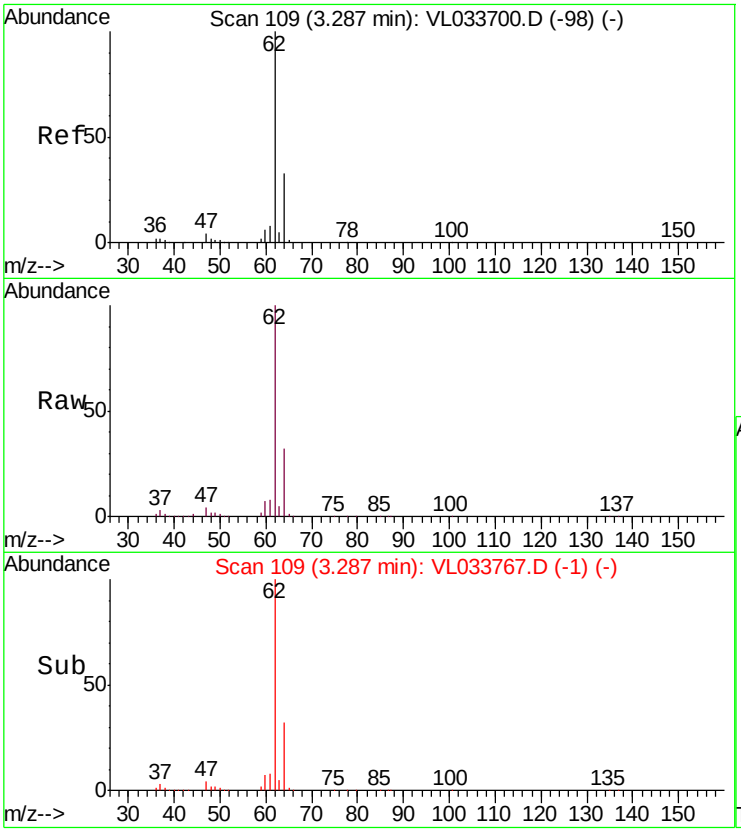


#4
Chloromethane
Concen: 11.075 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 50 Resp: 630851

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.7	38.5



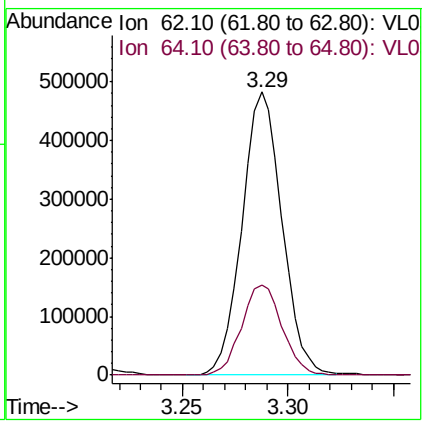


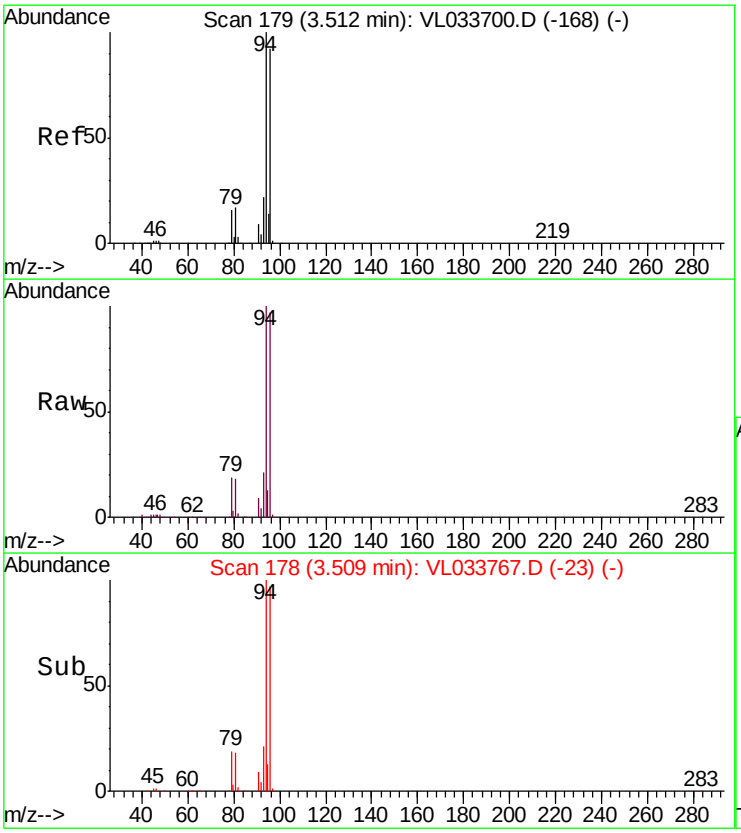
#5
Vinyl Chloride
Concen: 10.964 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 636155

Ion	Ratio	Lower	Upper
62	100		
64	31.7	26.4	39.6

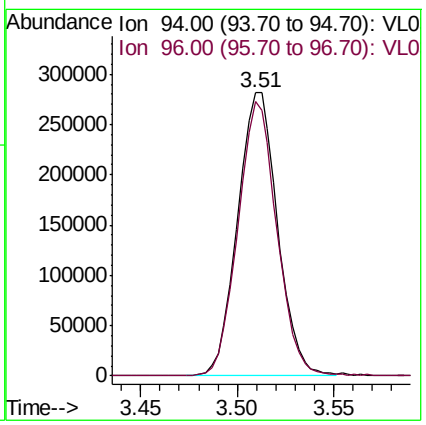


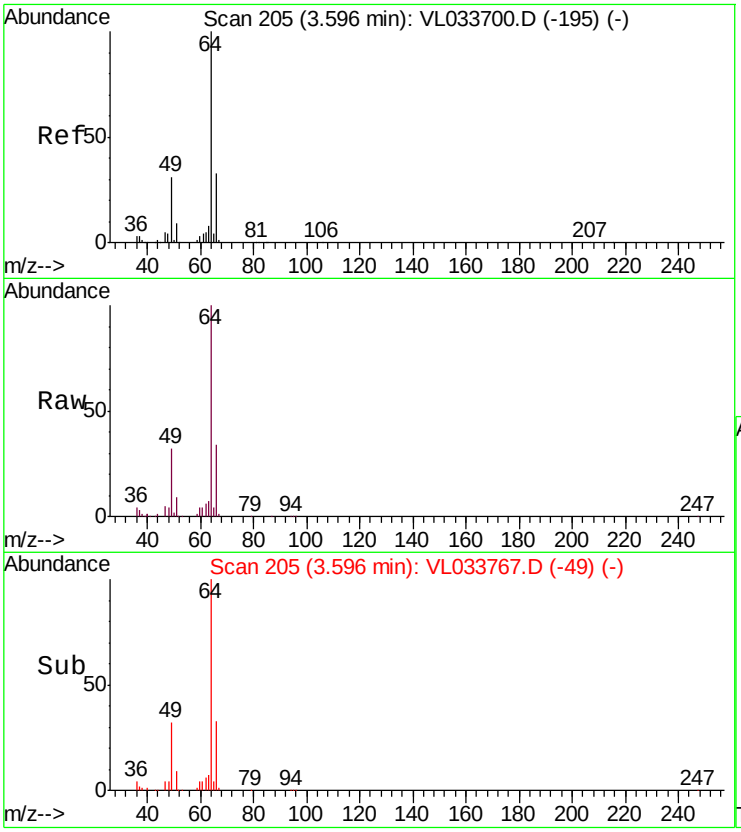


#6
Bromomethane
Concen: 11.448 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 94 Resp: 405294

Ion	Ratio	Lower	Upper
94	100		
96	96.9	73.6	110.4



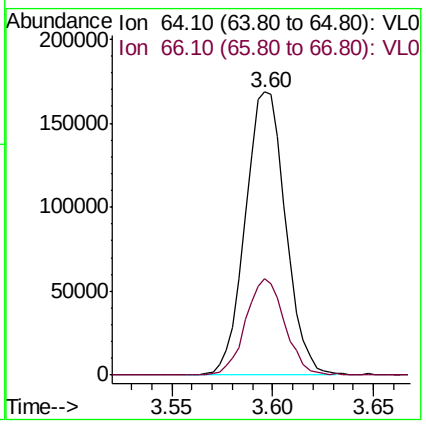


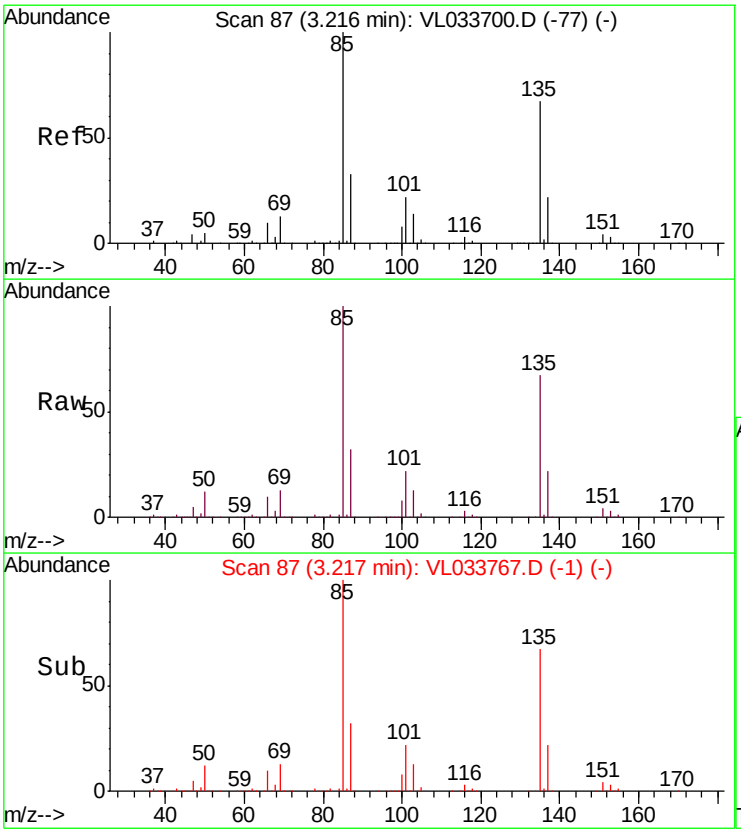
#7
Chloroethane
Concen: 11.461 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 236335

Ion	Ratio	Lower	Upper
64	100		
66	34.2	26.6	40.0

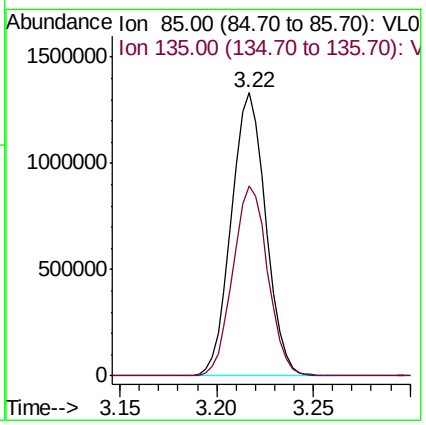


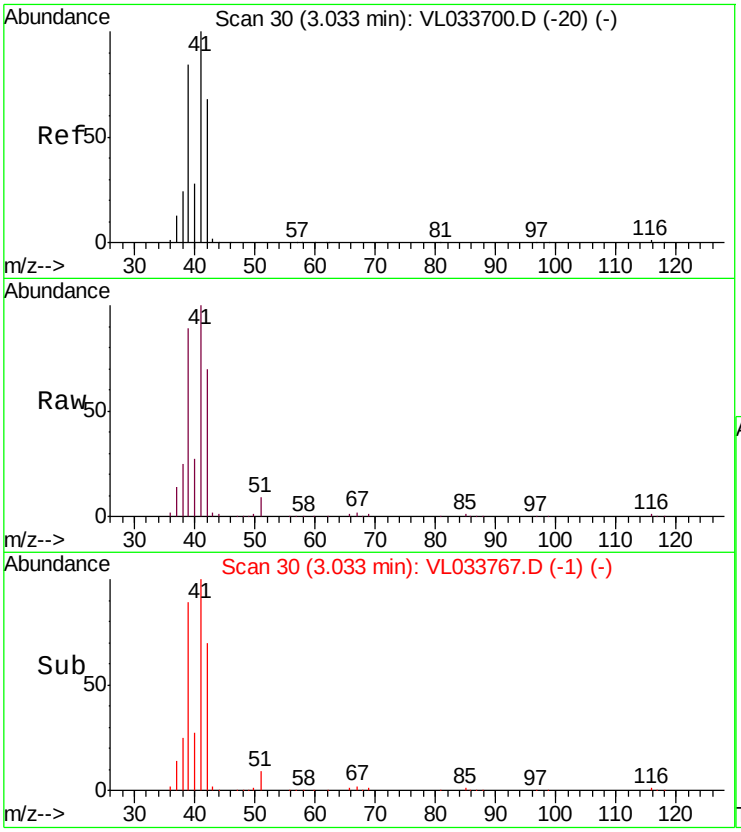


#8
Dichlorotetrafluoroethane
Concen: 11.143 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 85 Resp: 1645943

Ion	Ratio	Lower	Upper
85	100		
135	68.0	54.5	81.7

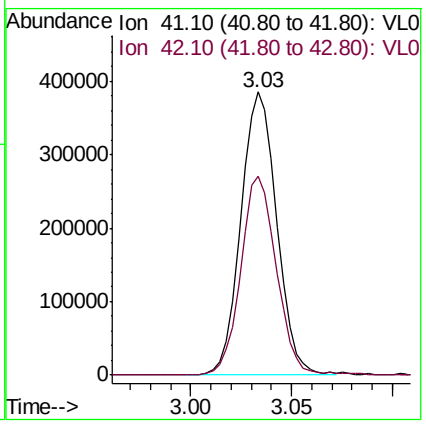




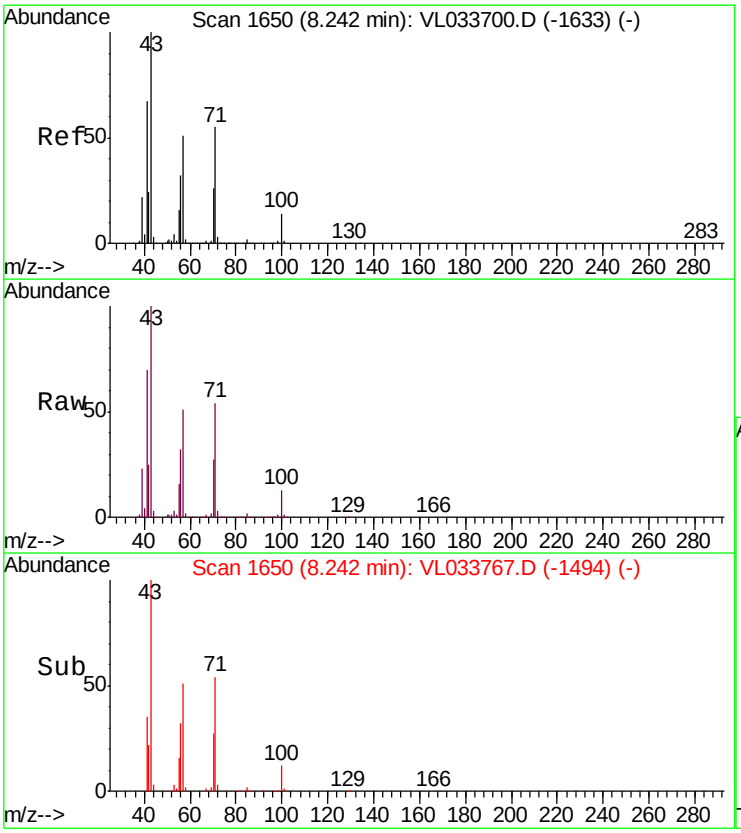
#9
Propene
Concen: 11.371 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 41 Resp: 481659

Ion	Ratio	Lower	Upper
41	100		
42	70.2	56.1	84.1



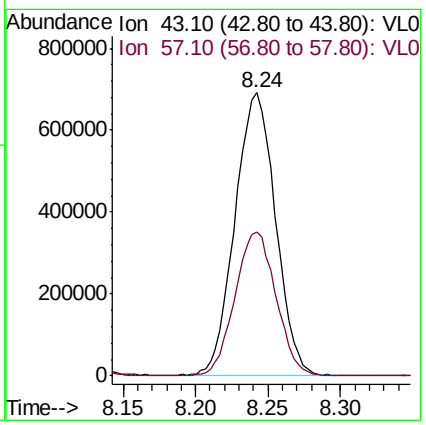
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

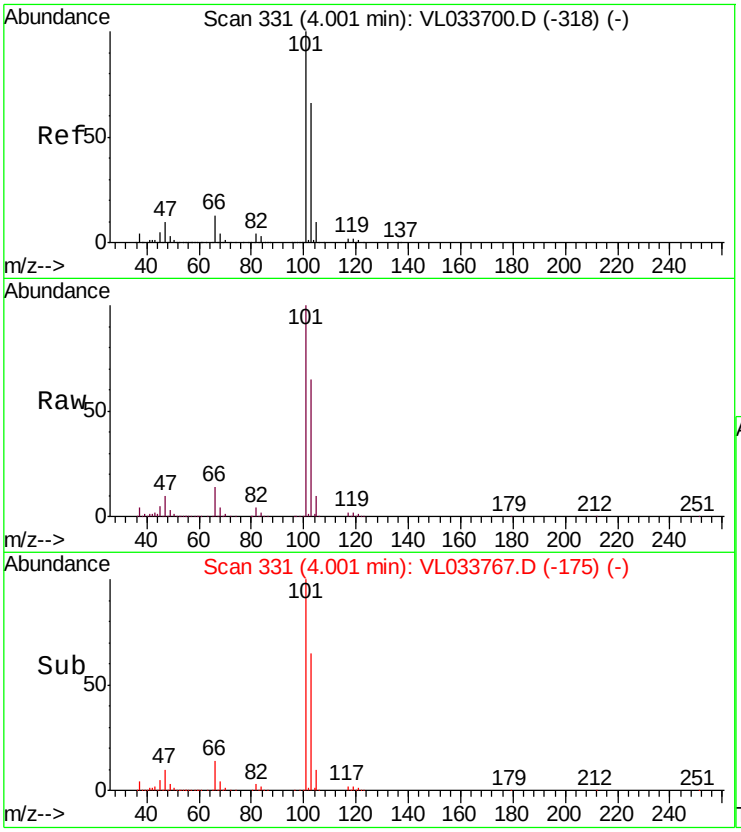


#10
Heptane
Concen: 11.227 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 43 Resp: 1346693

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.4	62.0



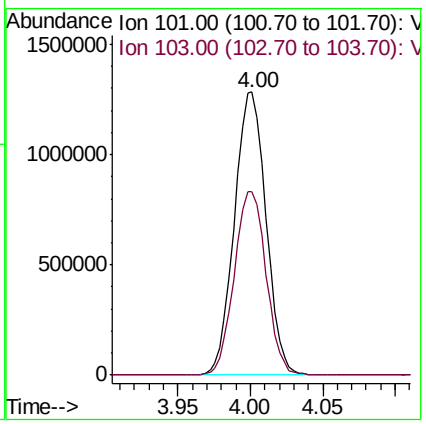


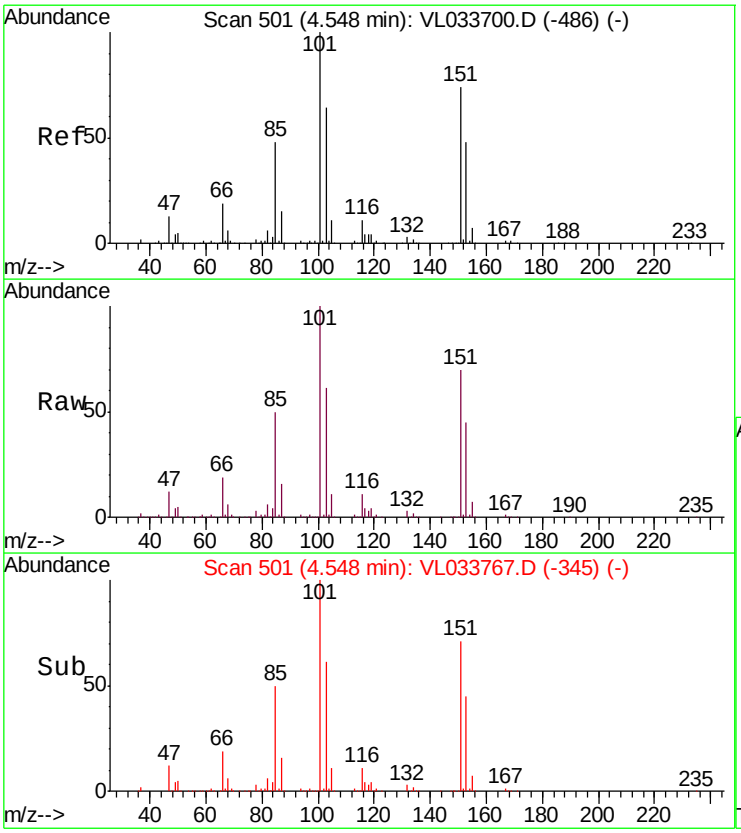
#11
Trichlorofluoromethane
Concen: 11.140 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1948022

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

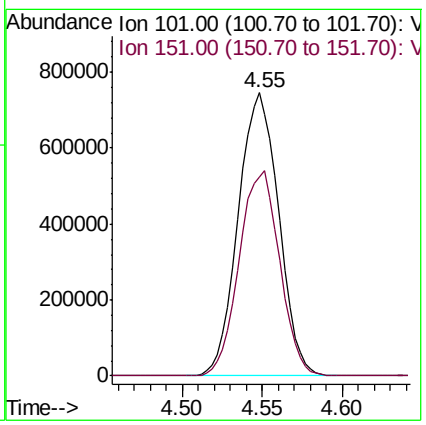


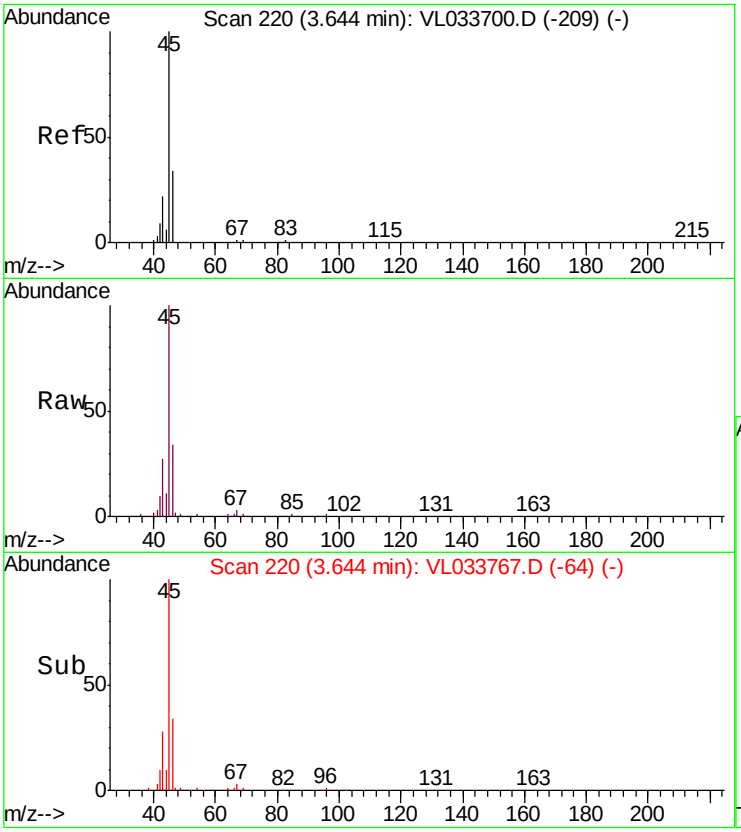


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.544 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:101 Resp: 1287604

Ion	Ratio	Lower	Upper
101	100		
151	72.5	58.2	87.4



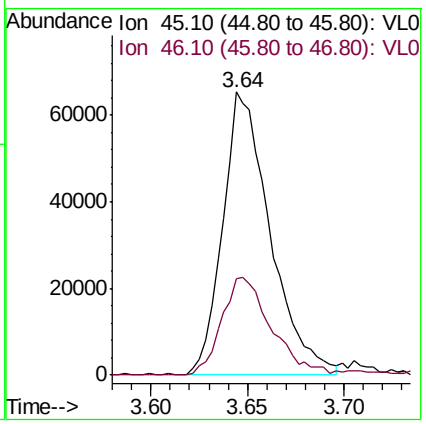


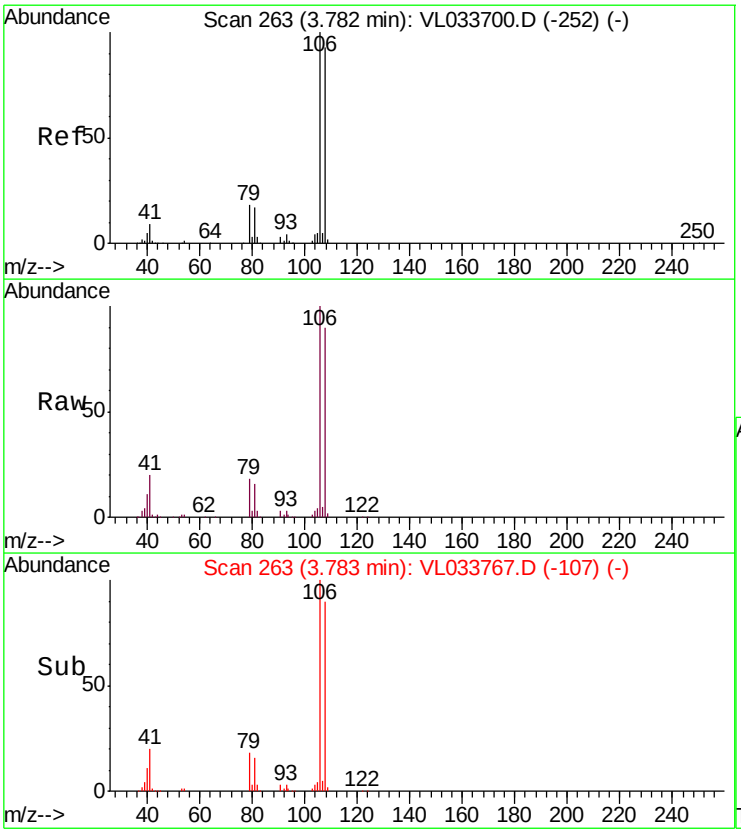
#13
Ethanol
Concen: 8.139 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 111424

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.8	59.0

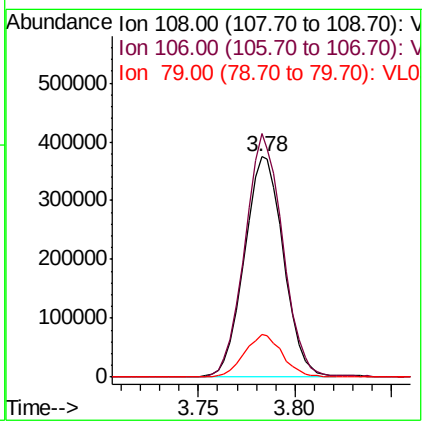


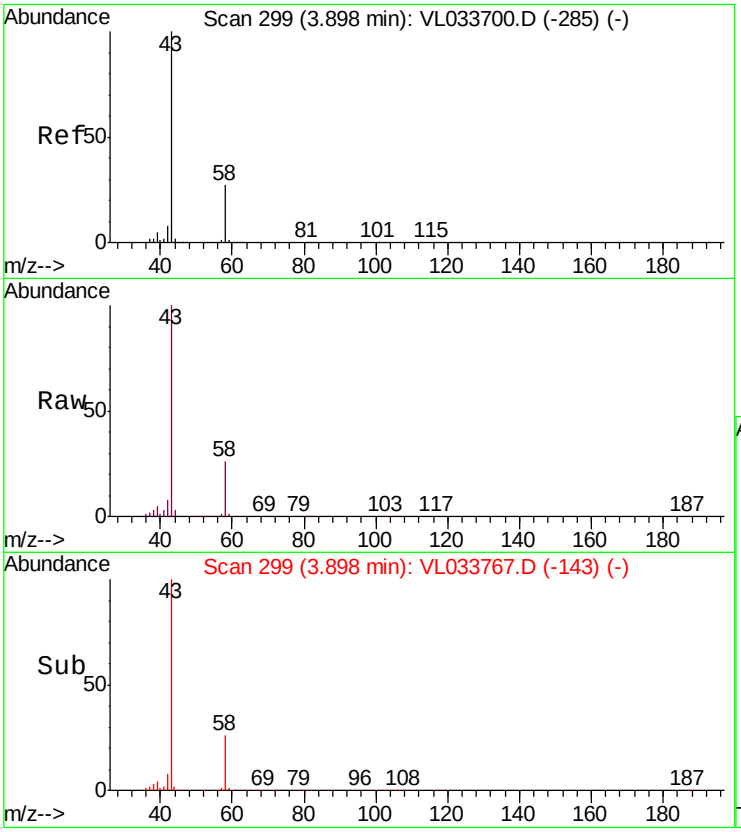


#14
Bromoethene
Concen: 11.770 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:108 Resp: 528386

Ion	Ratio	Lower	Upper
108	100		
106	107.4	86.5	129.7
79	19.1	15.1	22.7



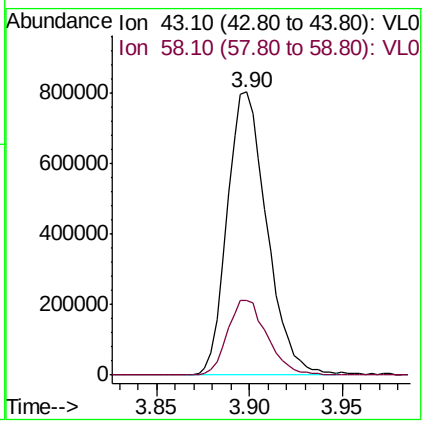


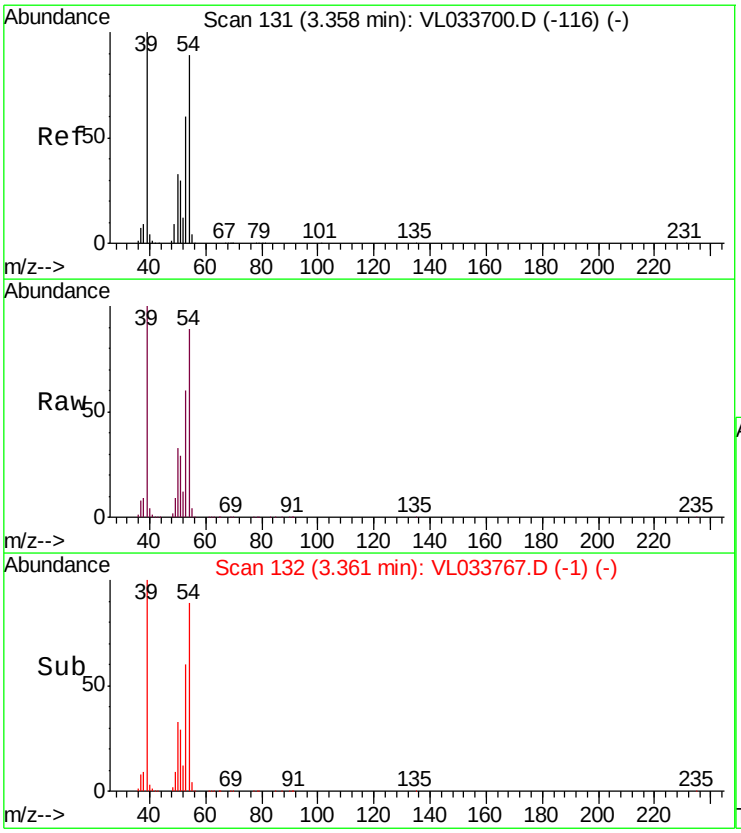
#15
Acetone
Concen: 9.841 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1187113

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.3	31.9

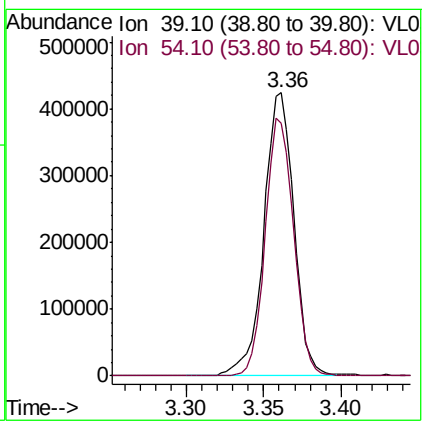


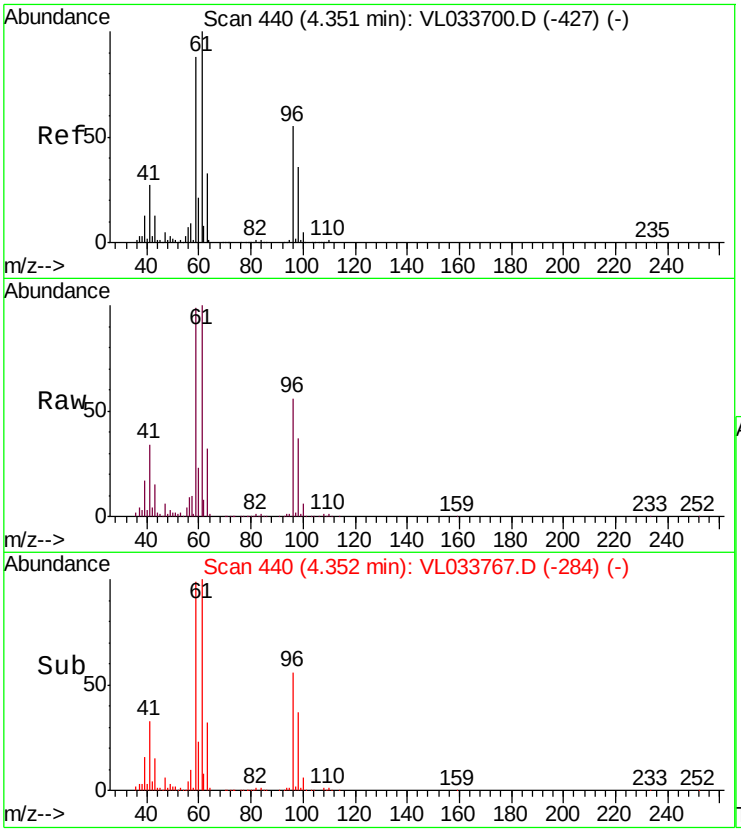


#16
1,3-Butadiene
Concen: 11.857 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 39 Resp: 569567

Ion	Ratio	Lower	Upper
39	100		
54	86.3	69.0	103.6



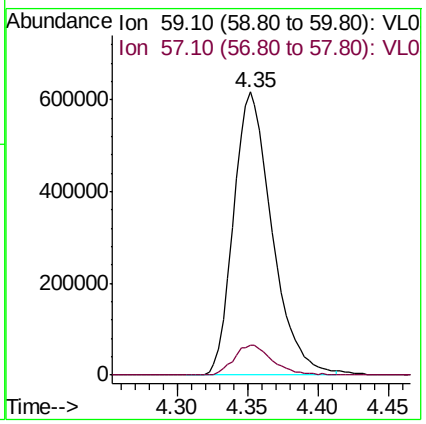


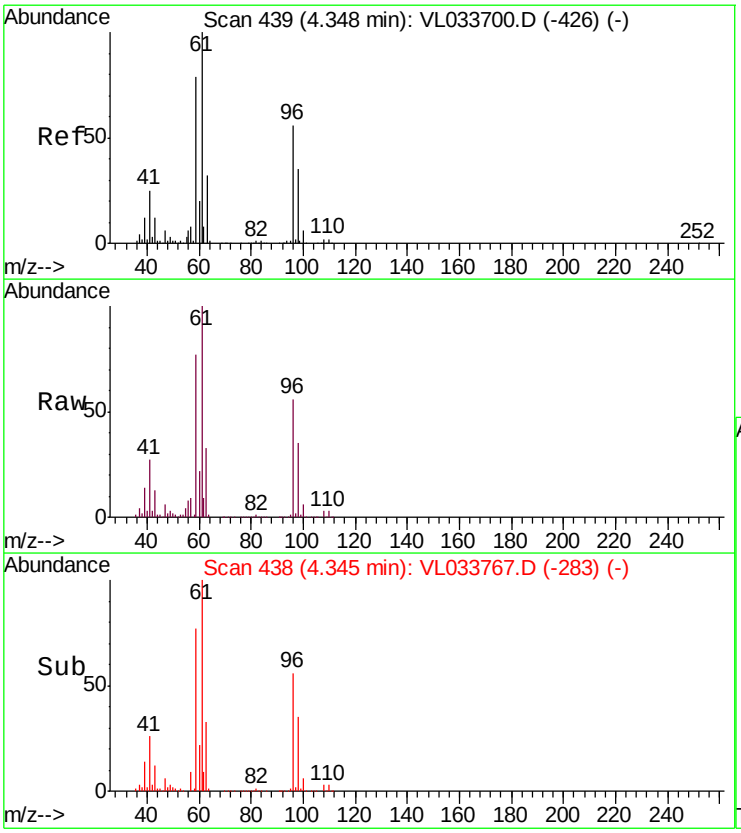
#17
tert-Butyl alcohol
Concen: 12.104 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 1180590

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

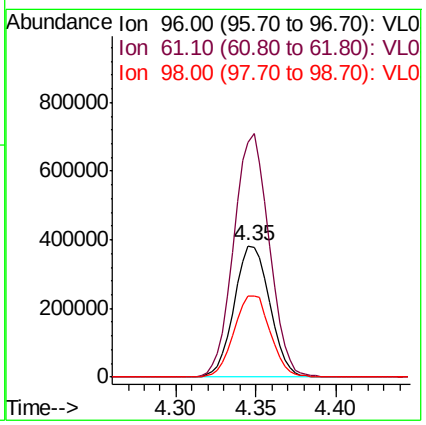


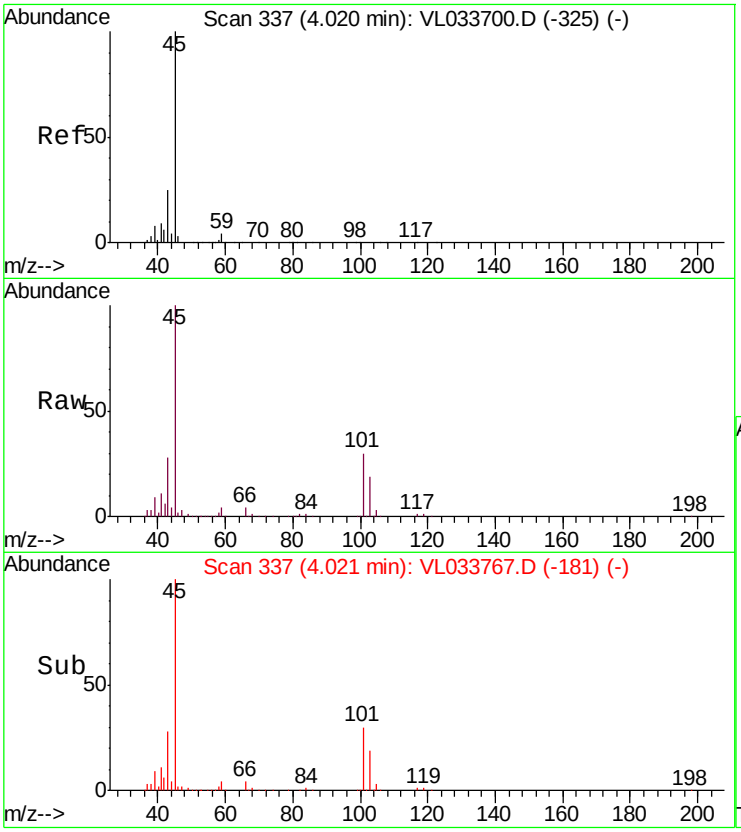


#18
1,1-Dichloroethene
Concen: 11.245 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 96 Resp: 579593

Ion	Ratio	Lower	Upper
96	100		
61	178.8	143.1	214.7
98	61.7	49.5	74.3



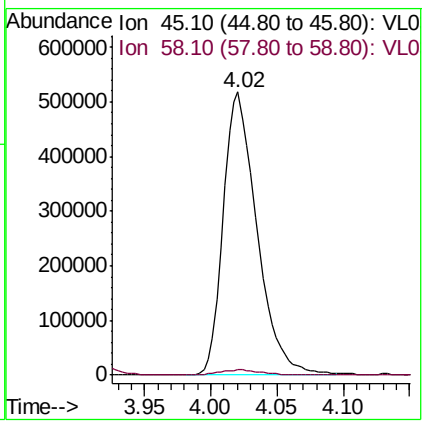


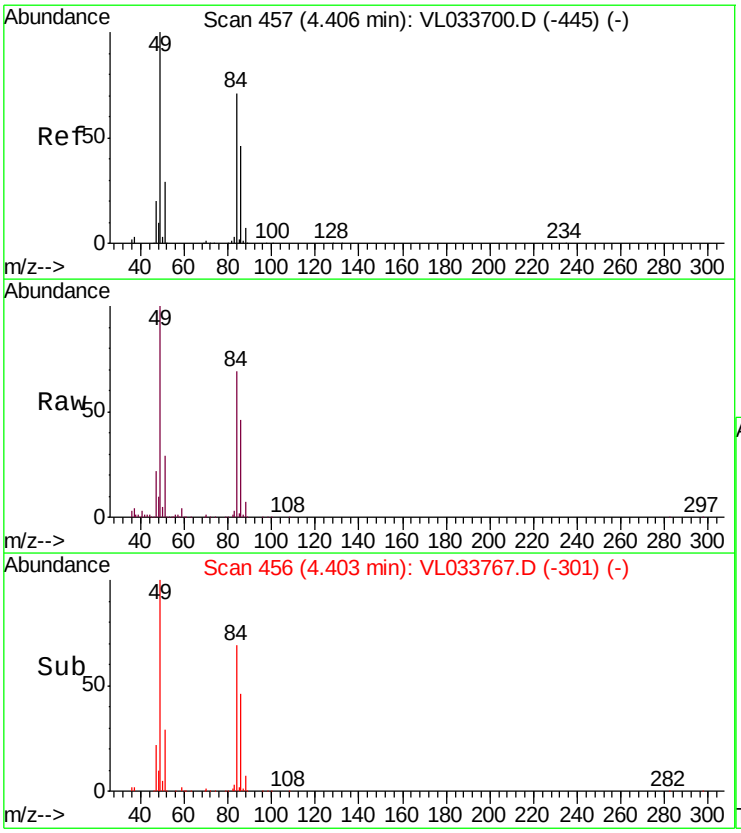
#19
Isopropyl Alcohol
Concen: 11.794 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 917305

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.6	2.4#

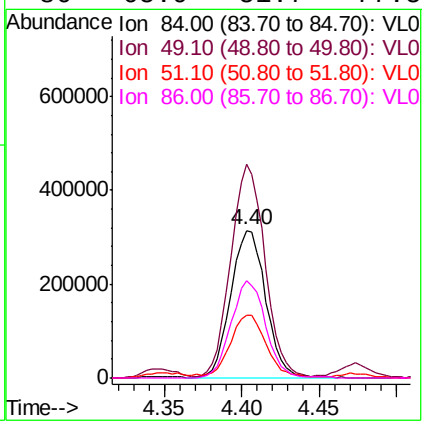


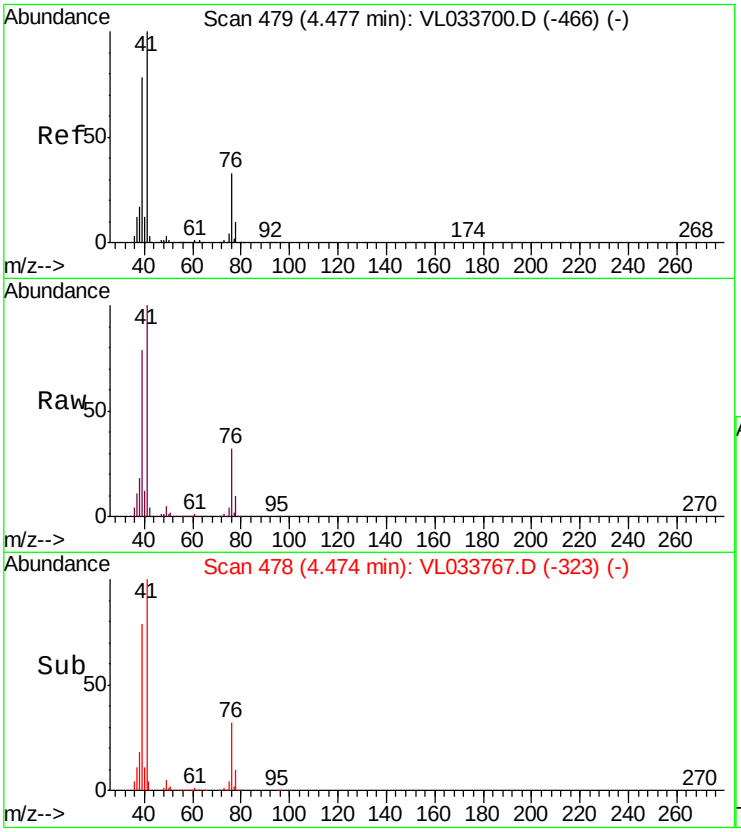


#20
Methylene Chloride
Concen: 10.583 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 84 Resp: 491512

Ion	Ratio	Lower	Upper
84	100		
49	142.8	112.8	169.2
51	40.8	33.4	50.0
86	65.9	51.7	77.5



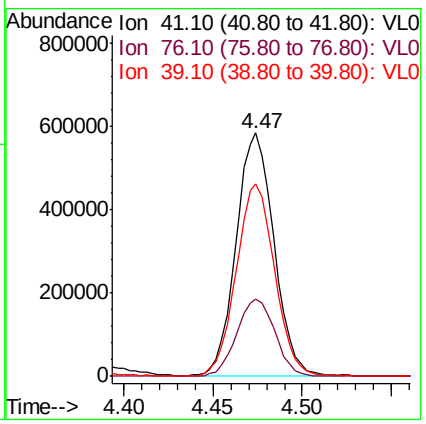


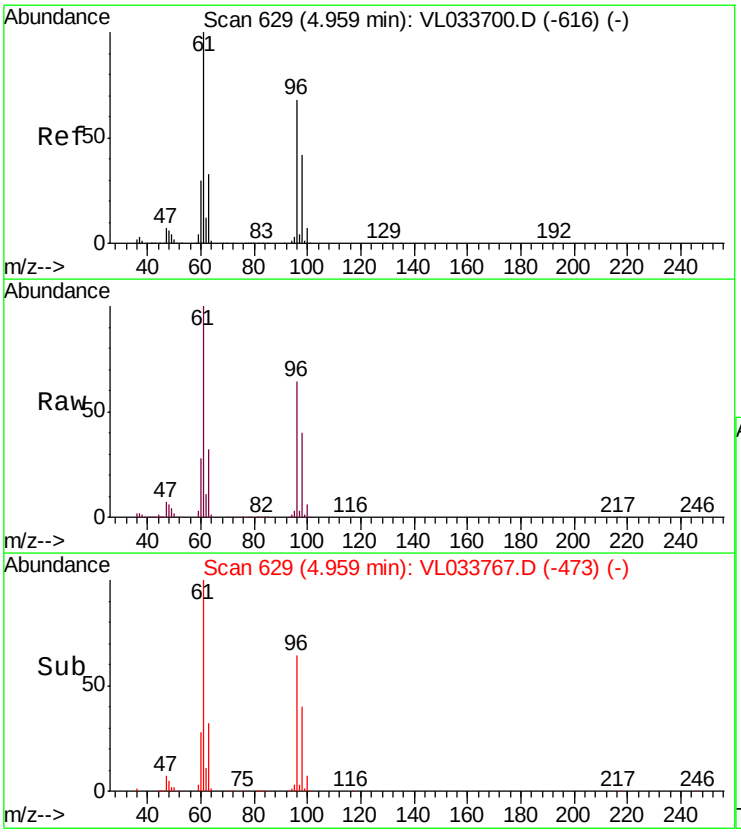
#21
Allyl Chloride
Concen: 11.384 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 856511

Ion	Ratio	Lower	Upper
41	100		
76	32.5	25.9	38.9
39	81.1	64.6	97.0

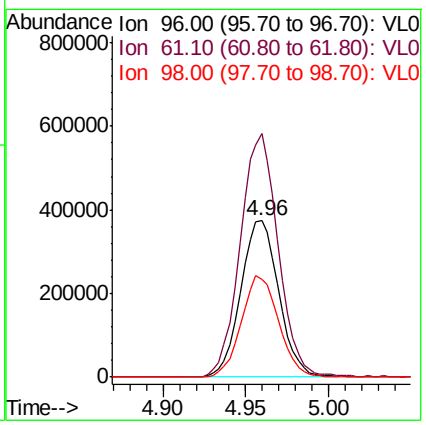


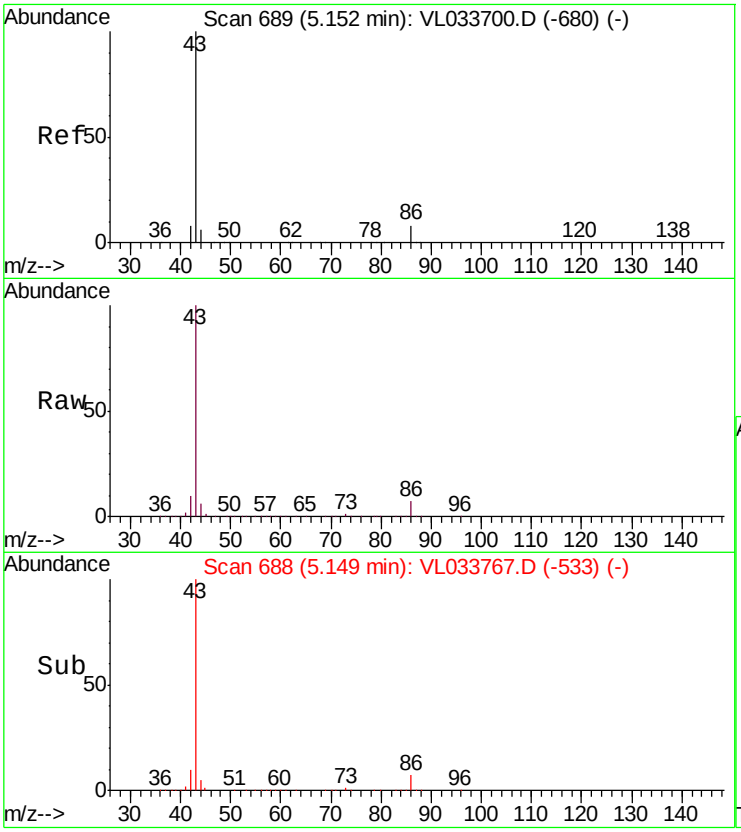


#22
trans-1,2-Dichloroethene
Concen: 11.286 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 96 Resp: 596269

Ion	Ratio	Lower	Upper
96	100		
61	156.1	116.8	175.2
98	62.4	49.4	74.0



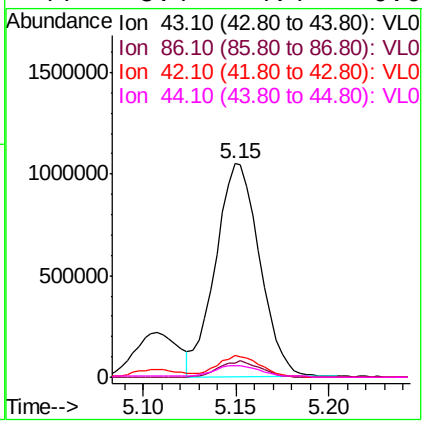


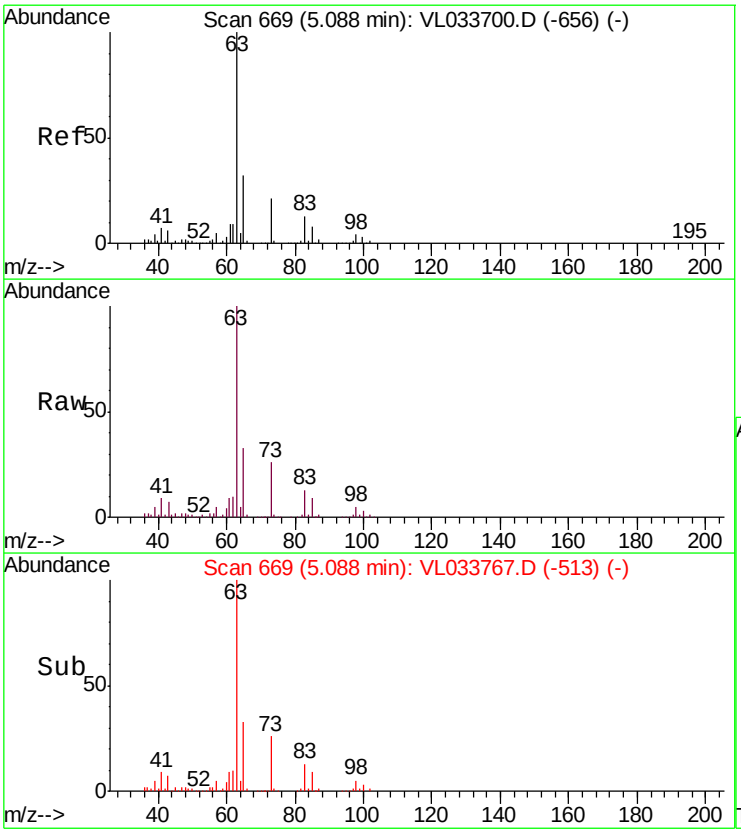
#23
Vinyl Acetate
Concen: 10.887 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1731493

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.0	9.0
42	10.3	7.5	11.3
44	5.4	4.4	6.6

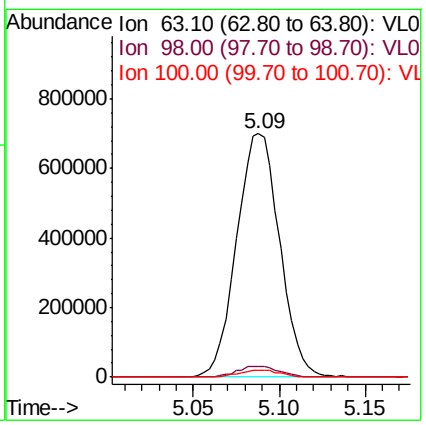


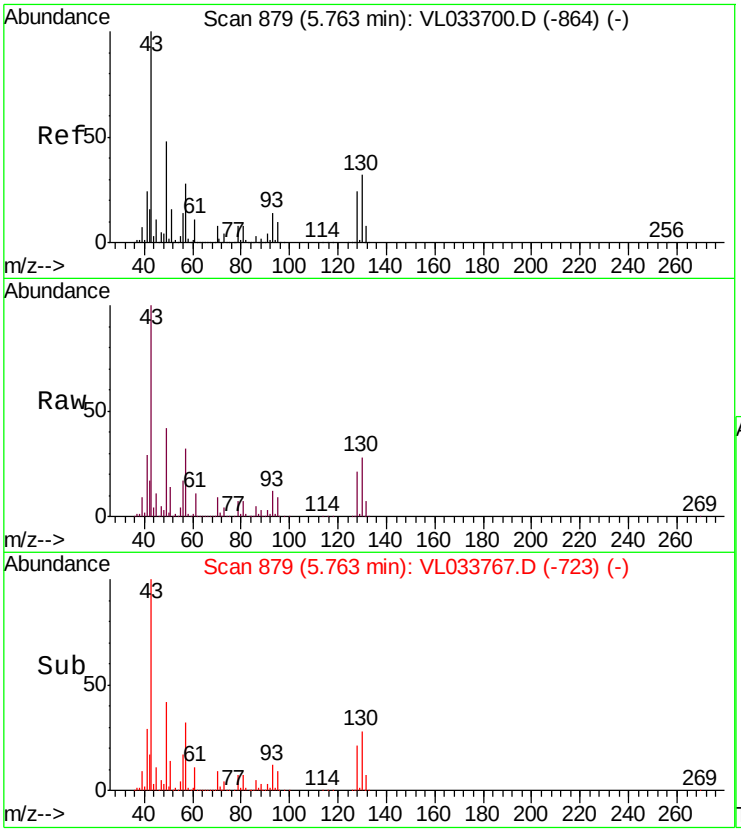


#24
1,1-Dichloroethane
Concen: 10.003 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 63 Resp: 1209372

Ion	Ratio	Lower	Upper
63	100		
98	4.5	1.8	5.5
100	2.8	1.4	4.2



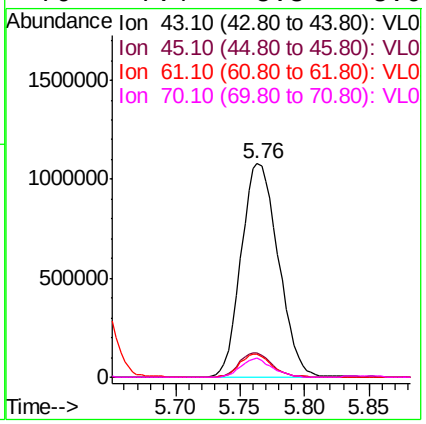


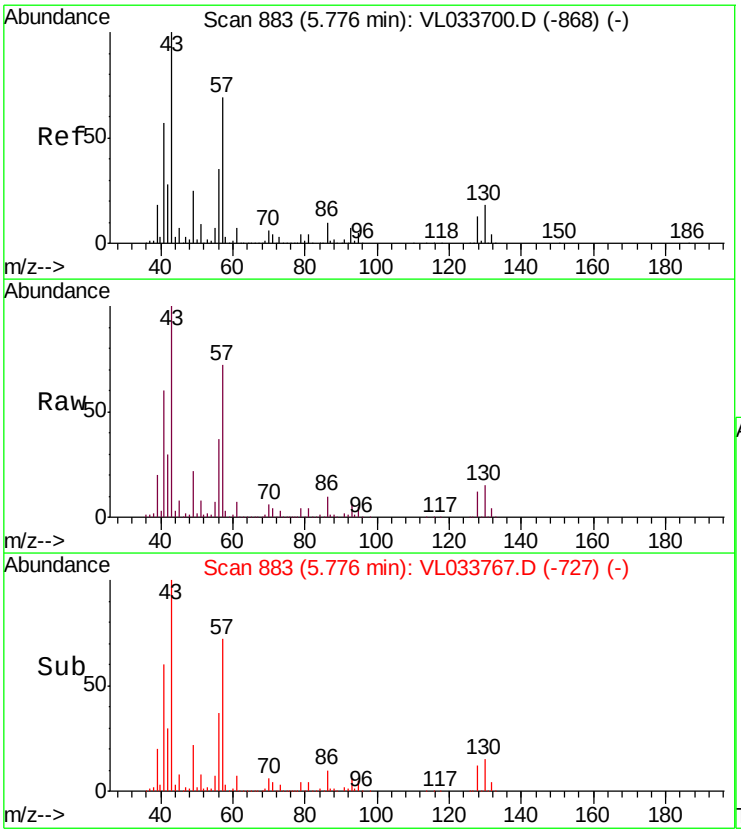
#25
Ethyl Acetate
Concen: 10.229 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2167444

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.5	7.7	11.5
70	7.4	5.8	8.6

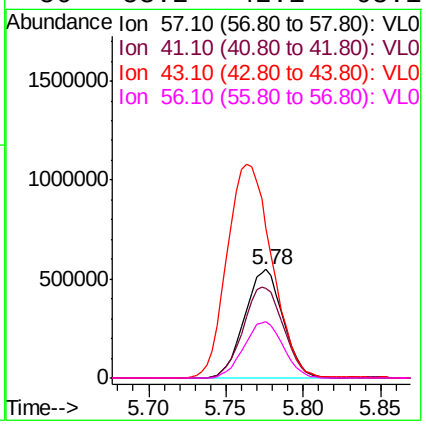


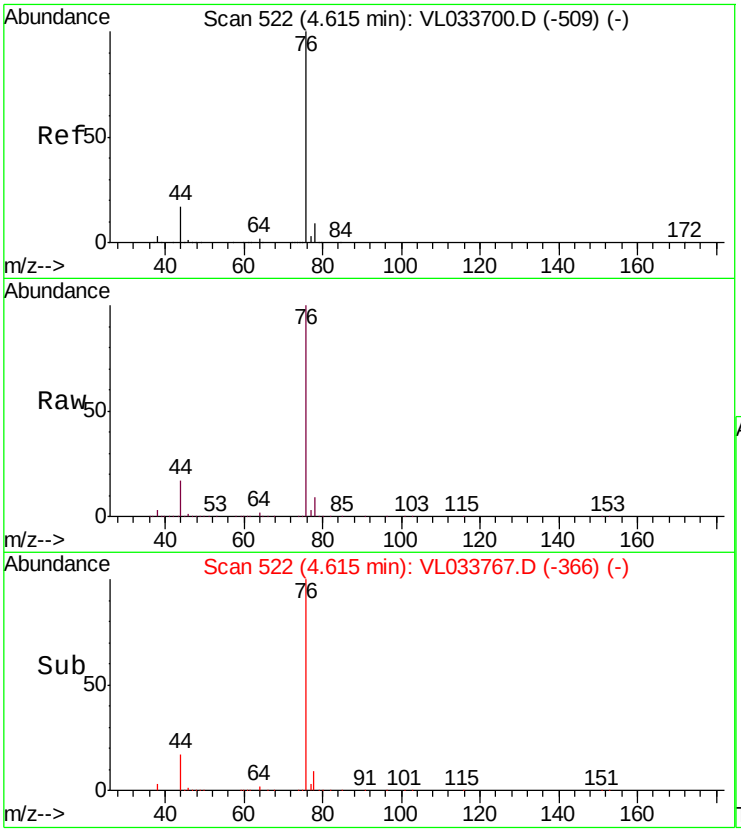


#26
Hexane
Concen: 10.387 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 57 Resp: 946236

Ion	Ratio	Lower	Upper
57	100		
41	88.4	69.8	104.6
43	230.2	181.8	272.6
56	53.2	42.1	63.1



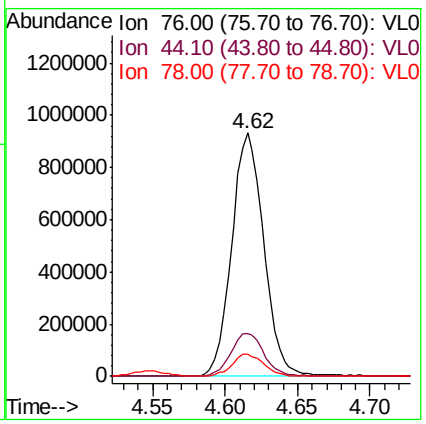


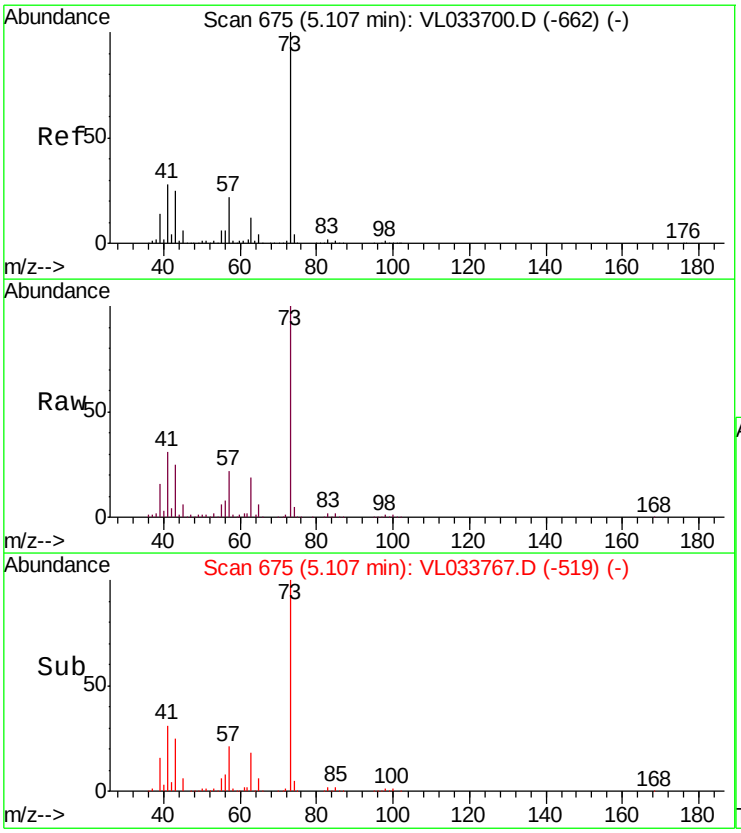
#27
Carbon Disulfide
Concen: 11.475 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1434084

Ion	Ratio	Lower	Upper
76	100		
44	17.7	13.8	20.8
78	9.0	7.4	11.0

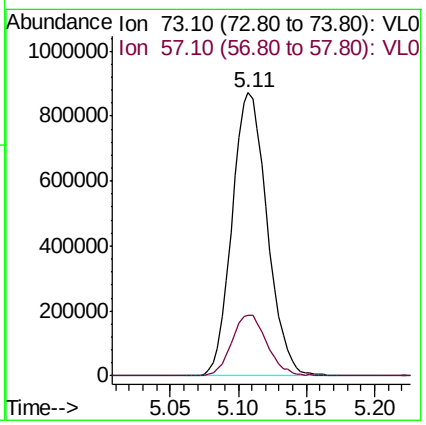


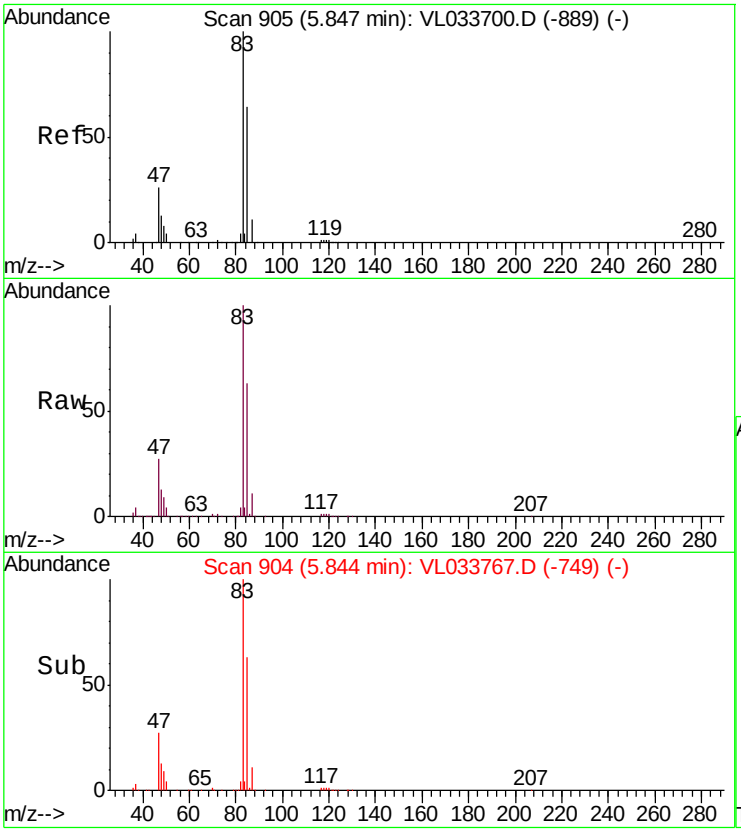


#28
Methyl tert-Butyl Ether
Concen: 10.495 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 73 Resp: 1558565

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



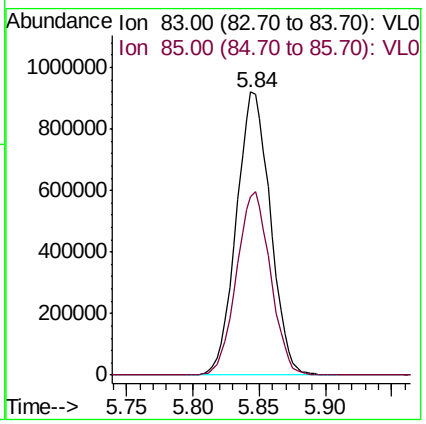


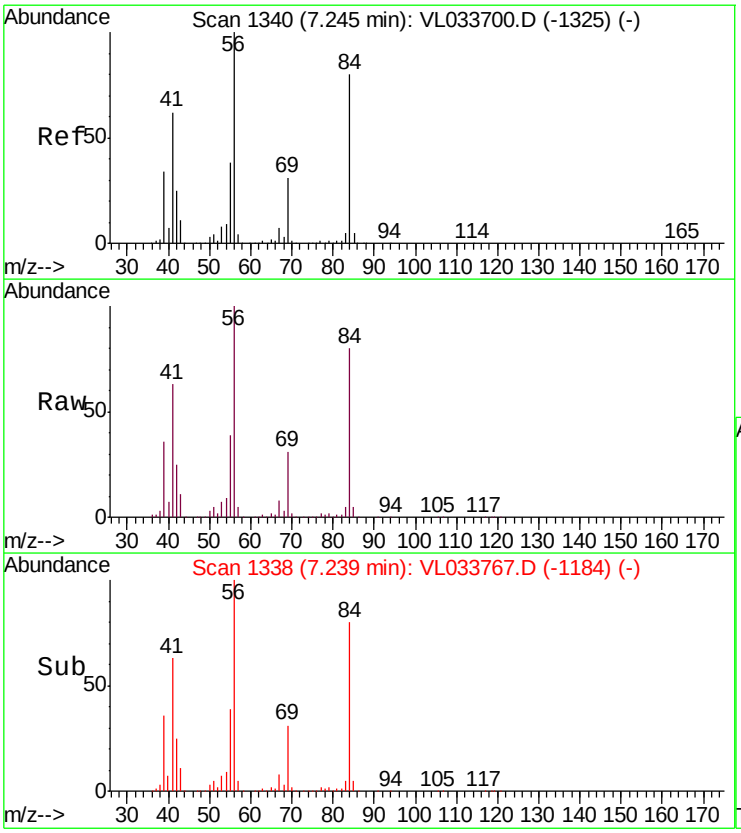
#29
Chloroform
Concen: 9.790 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1642748

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3

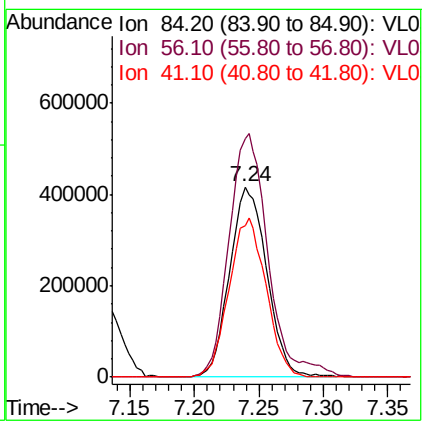


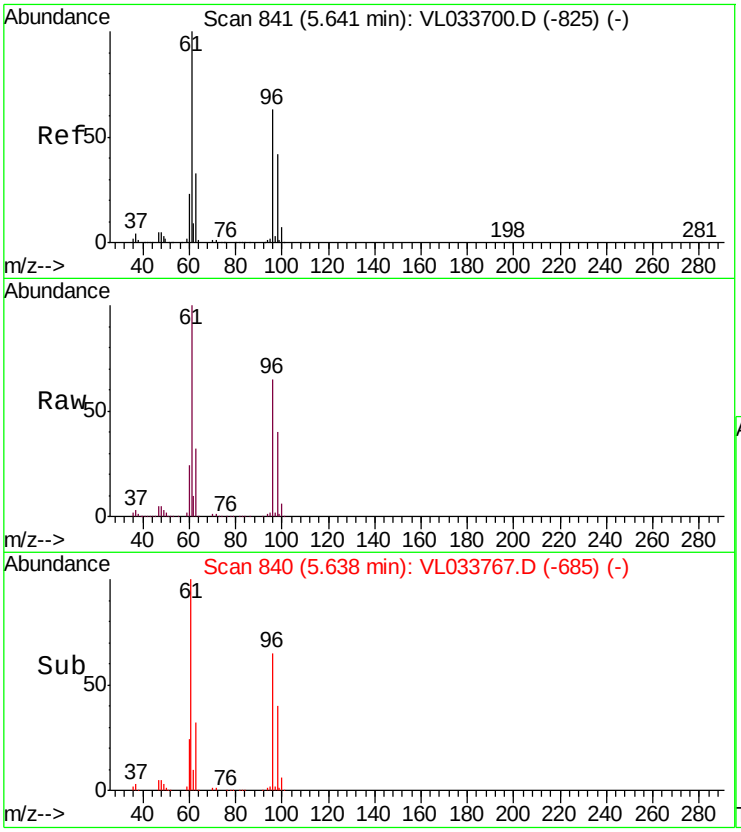


#30
Cyclohexane
Concen: 10.892 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 84 Resp: 834169

Ion	Ratio	Lower	Upper
84	100		
56	135.0	107.7	161.5
41	83.5	66.0	99.0



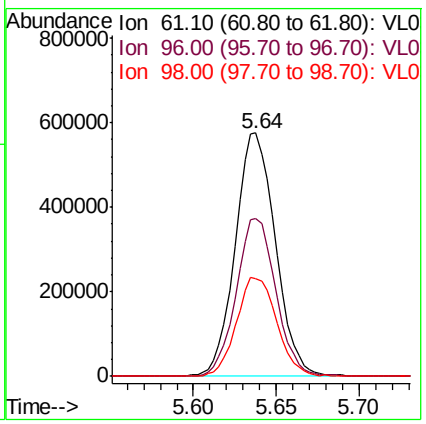


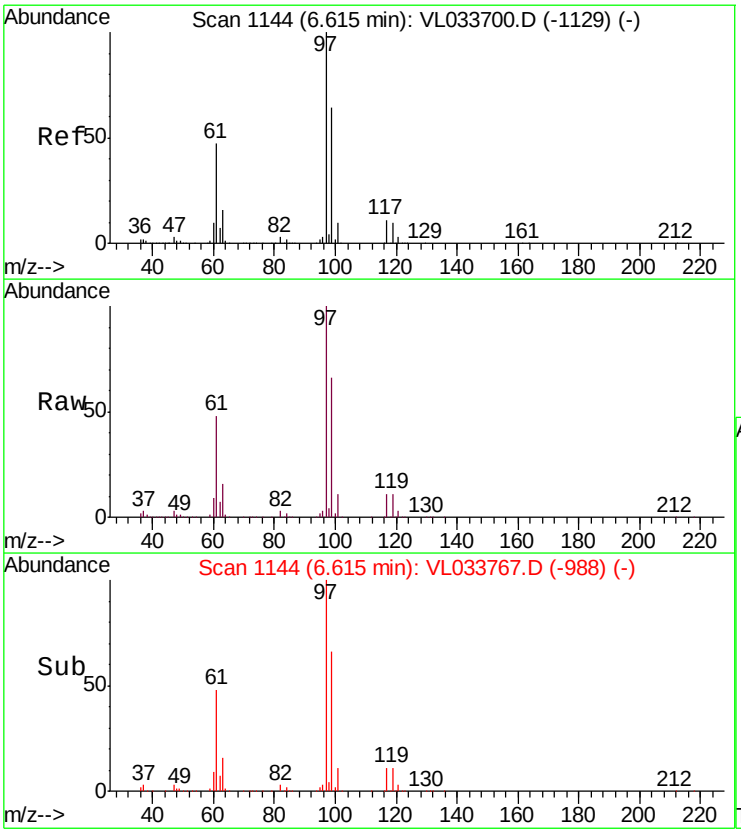
#31
cis-1,2-Dichloroethene
Concen: 10.766 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 972406

Ion	Ratio	Lower	Upper
61	100		
96	64.5	50.8	76.2
98	40.0	33.3	49.9

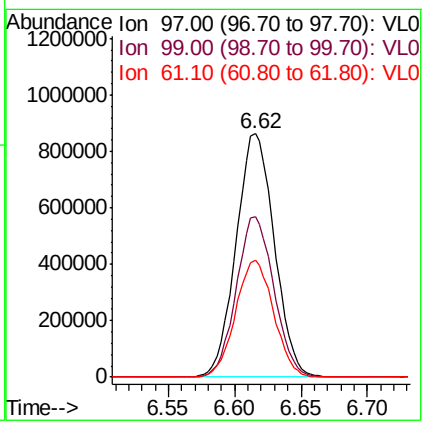


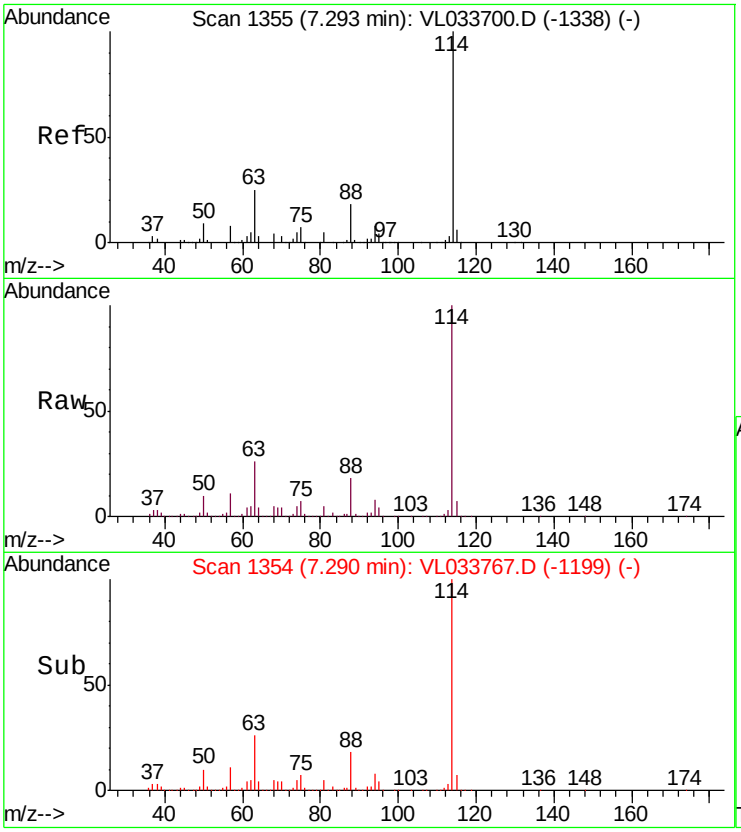


#32
1,1,1-Trichloroethane
Concen: 10.327 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 97 Resp: 1730302

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	47.9	37.8	56.8



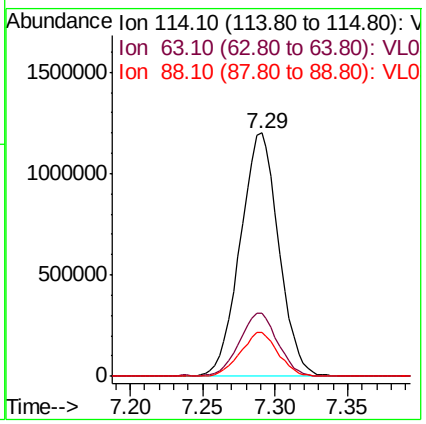


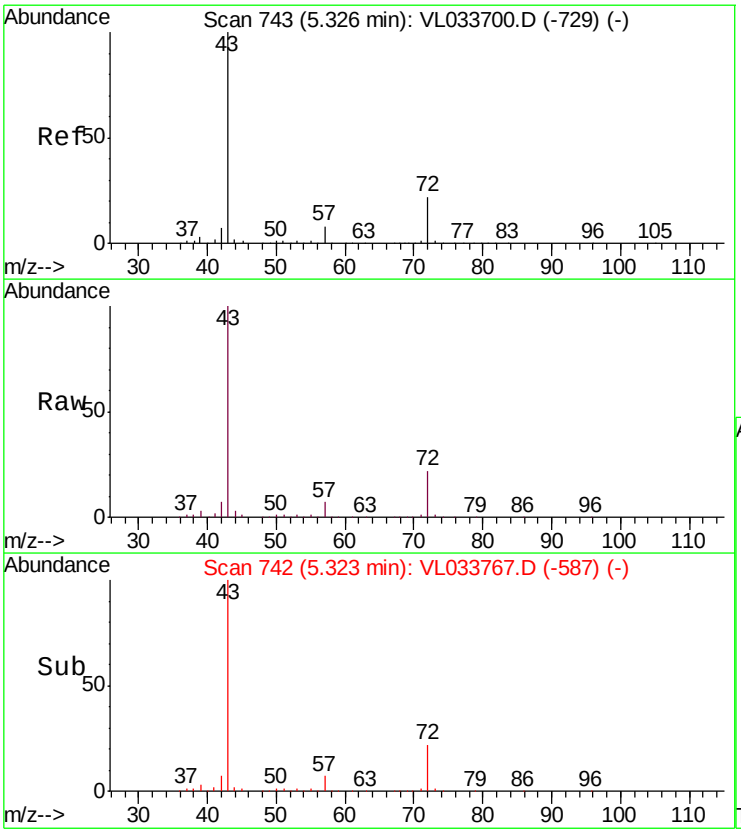
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2215213

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.9	31.3
88	17.7	14.3	21.5

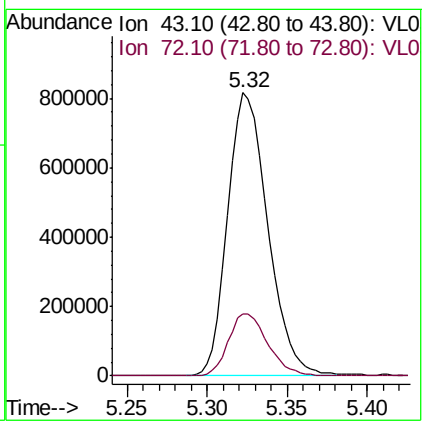


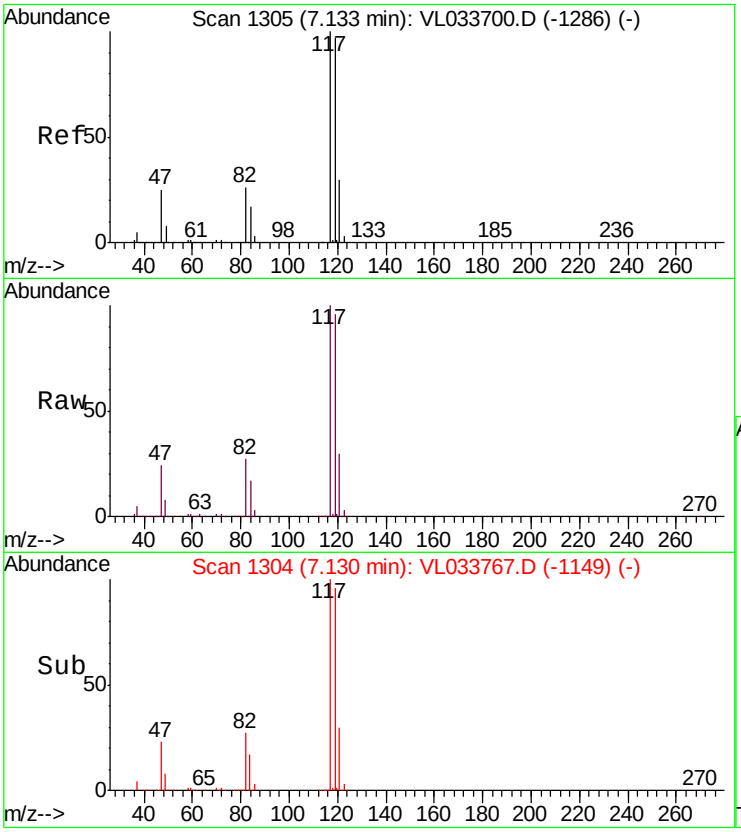


#34
2-Butanone
Concen: 10.106 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 43 Resp: 1387666

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6



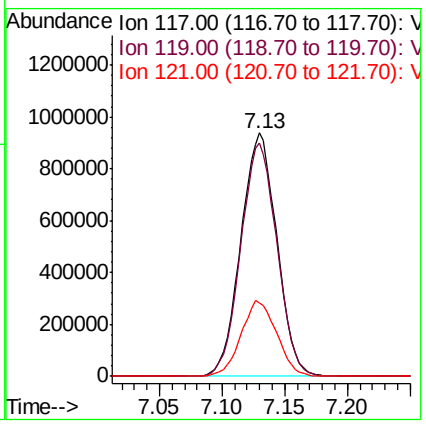


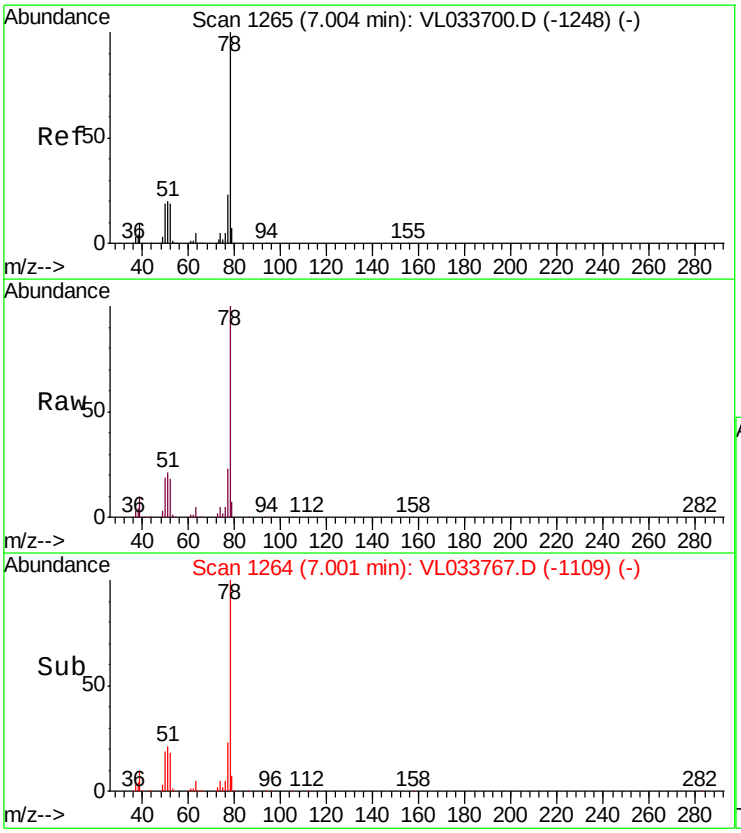
#35
Carbon Tetrachloride
Concen: 10.540 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1870232

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8
121	30.3	24.1	36.1

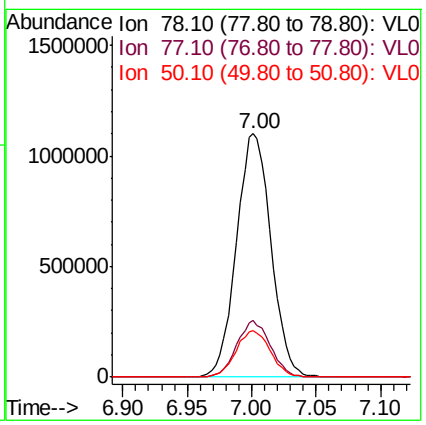


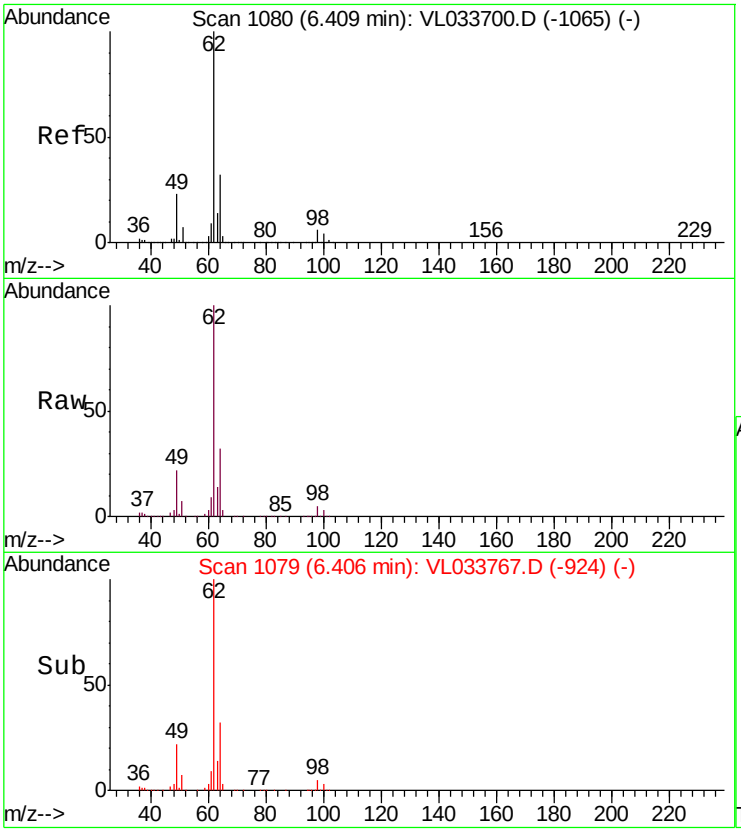


#36
Benzene
Concen: 10.161 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 78 Resp: 2047435

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6
50	18.8	15.5	23.3



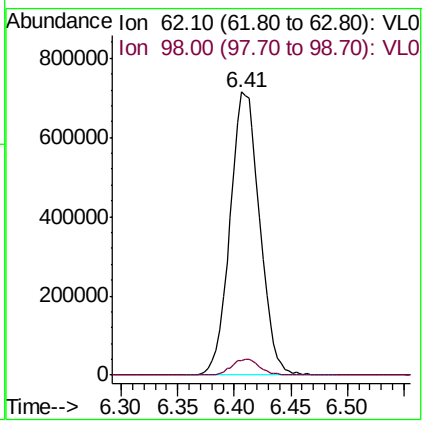


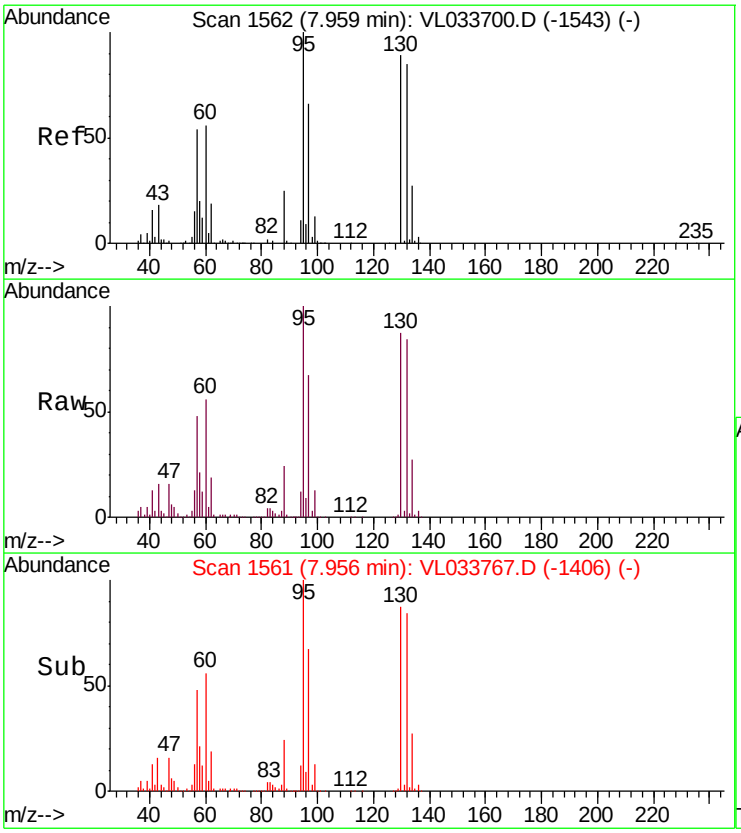
#37
1,2-Dichloroethane
Concen: 10.035 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1304456

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

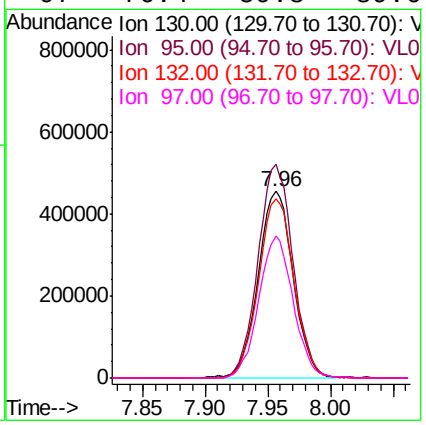


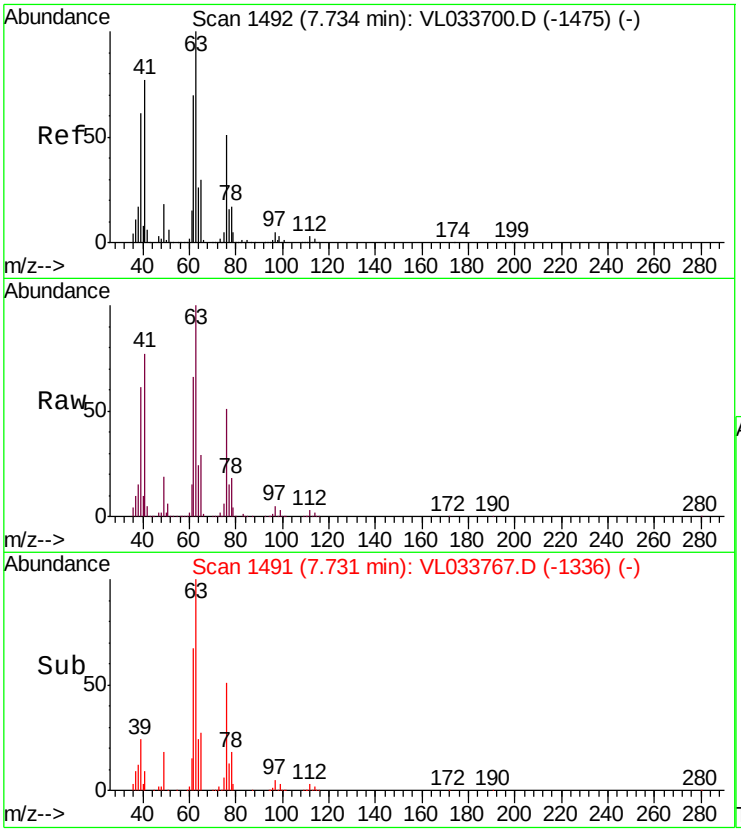


#38
Trichloroethene
Concen: 11.878 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:130 Resp: 888139

Ion	Ratio	Lower	Upper
130	100		
95	114.7	90.2	135.4
132	96.1	76.4	114.6
97	76.4	59.8	89.6



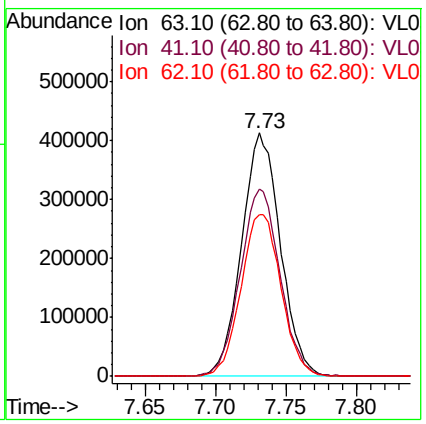


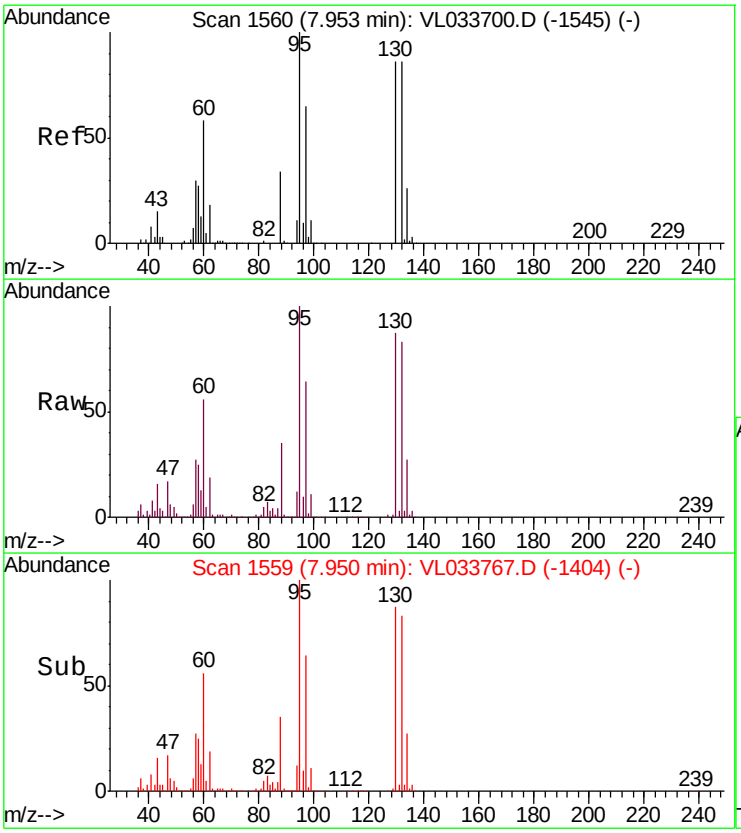
#39
1,2-Dichloropropane
Concen: 10.609 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 797042

Ion	Ratio	Lower	Upper
63	100		
41	76.9	61.5	92.3
62	66.4	56.2	84.4

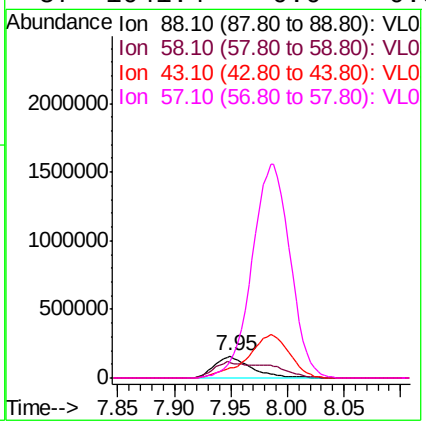


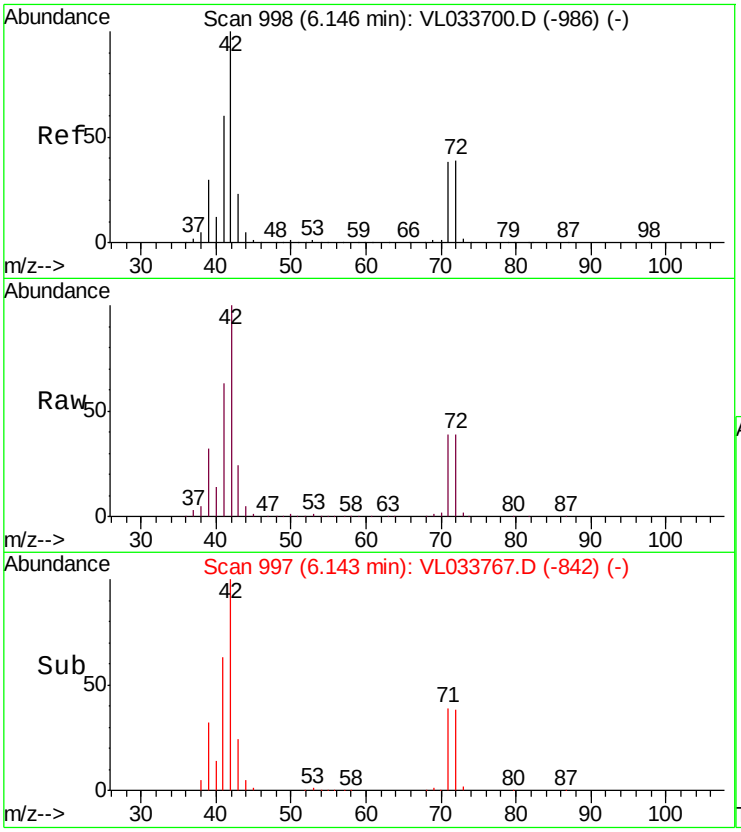


#40
1,4-Dioxane
Concen: 11.176 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 88 Resp: 351236

Ion	Ratio	Lower	Upper
88	100		
58	123.1	101.8	152.6
43	234.3	0.0	0.0#
57	1041.4	0.0	0.0#



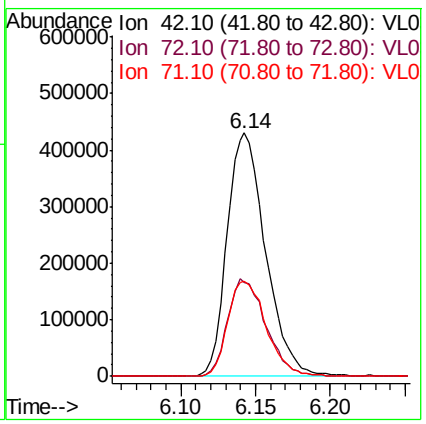


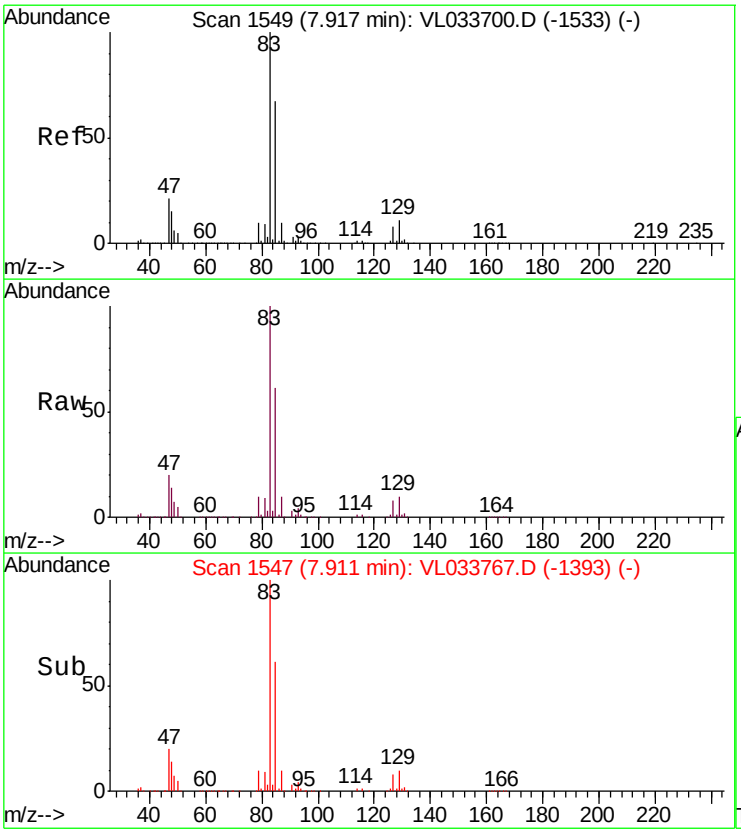
#41
Tetrahydrofuran
Concen: 9.981 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 767874

Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.0	48.0
71	39.5	30.4	45.6

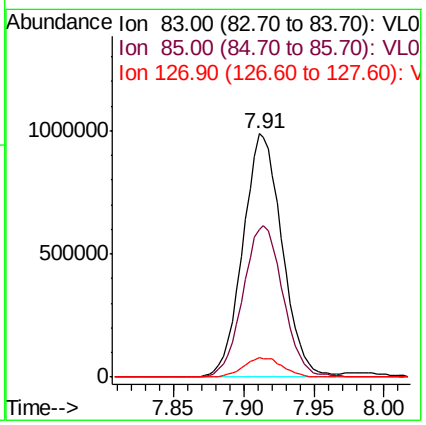


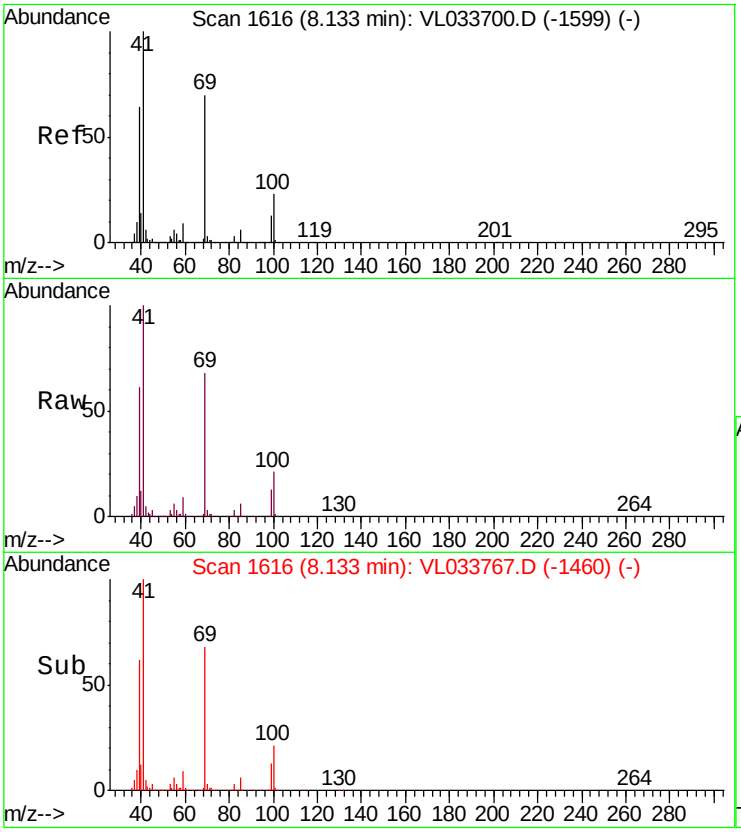


#42
Bromodichloromethane
Concen: 10.802 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 83 Resp: 1922267

Ion	Ratio	Lower	Upper
83	100		
85	60.7	53.3	79.9
127	8.3	6.5	9.7



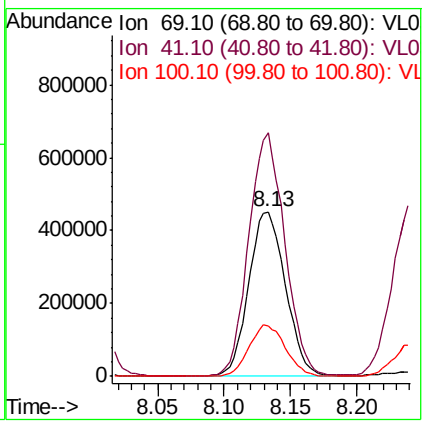


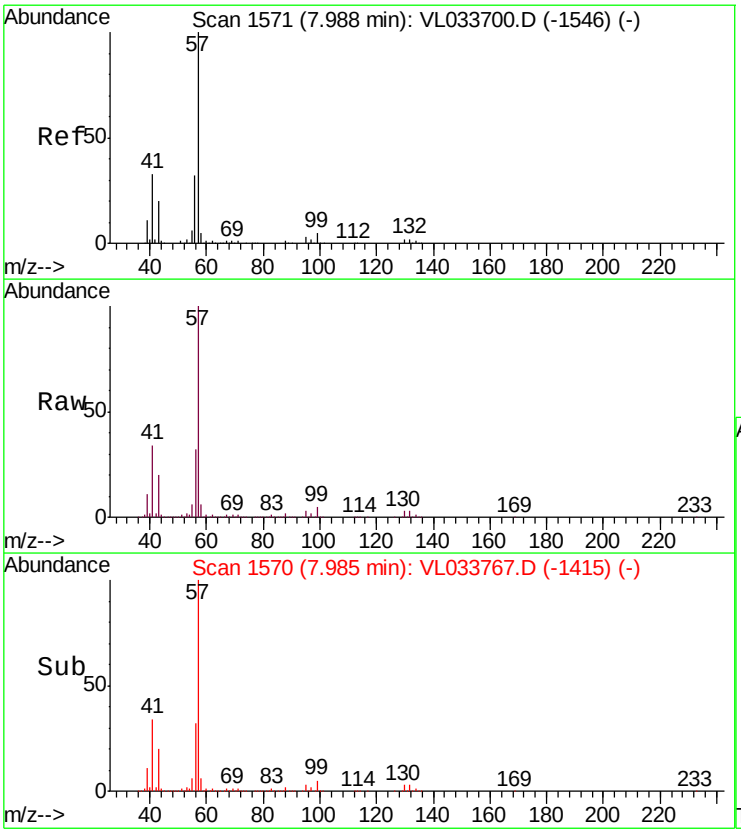
#43
Methyl Methacrylate
Concen: 11.753 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 871567

Ion	Ratio	Lower	Upper
69	100		
41	145.0	116.3	174.5
100	31.0	25.3	37.9

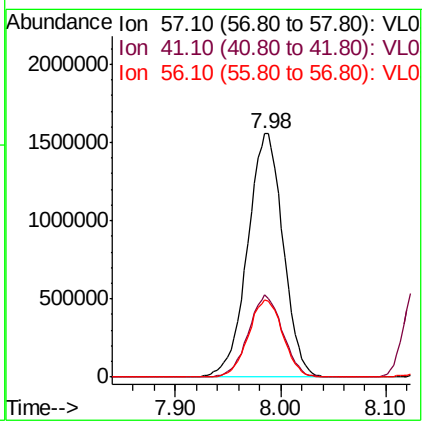


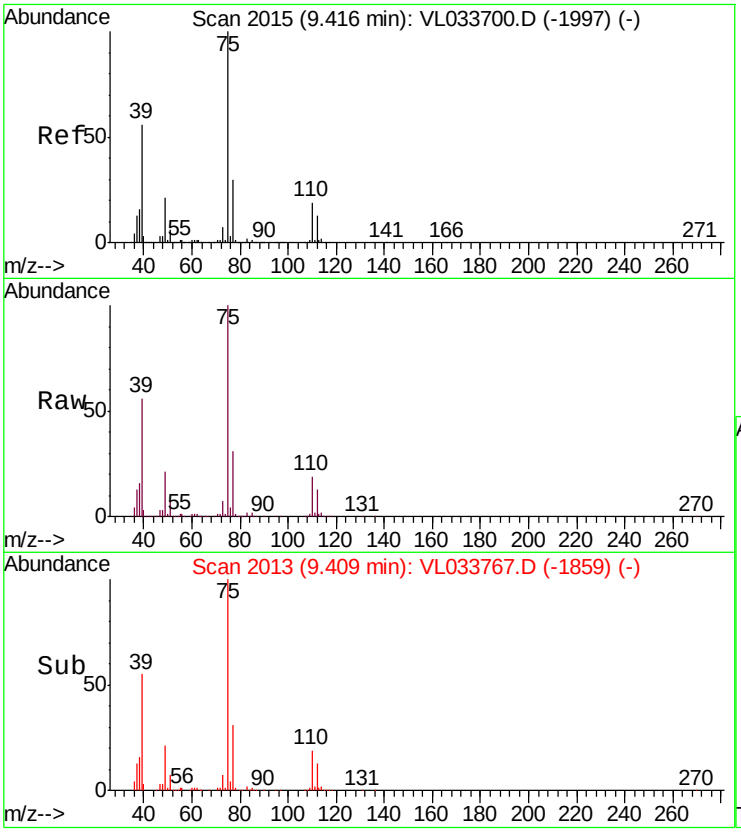


#44
2,2,4-Trimethylpentane
Concen: 10.727 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 57 Resp: 3653377

Ion	Ratio	Lower	Upper
57	100		
41	32.4	25.4	38.0
56	30.9	24.7	37.1



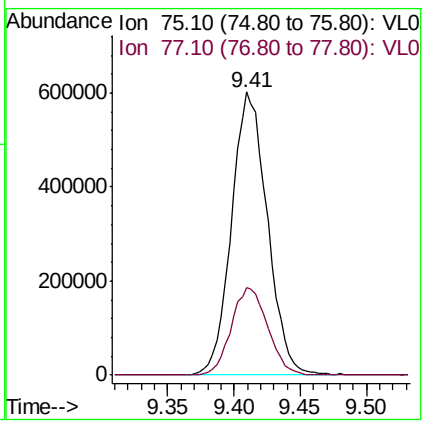


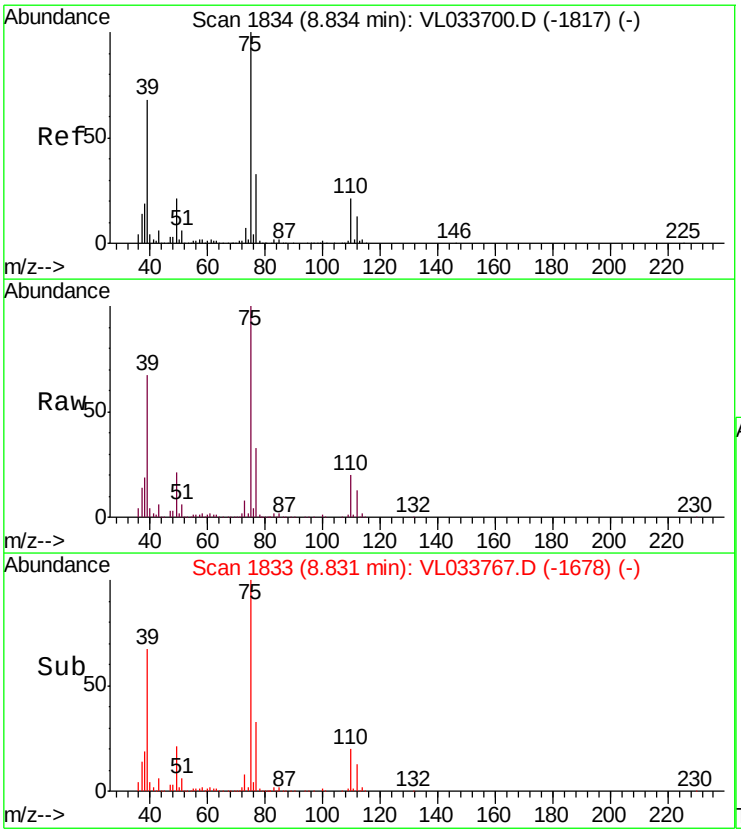
#45
t-1,3-Dichloropropene
Concen: 11.950 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1123425

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

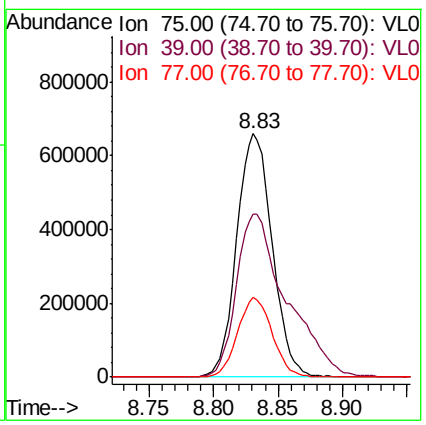


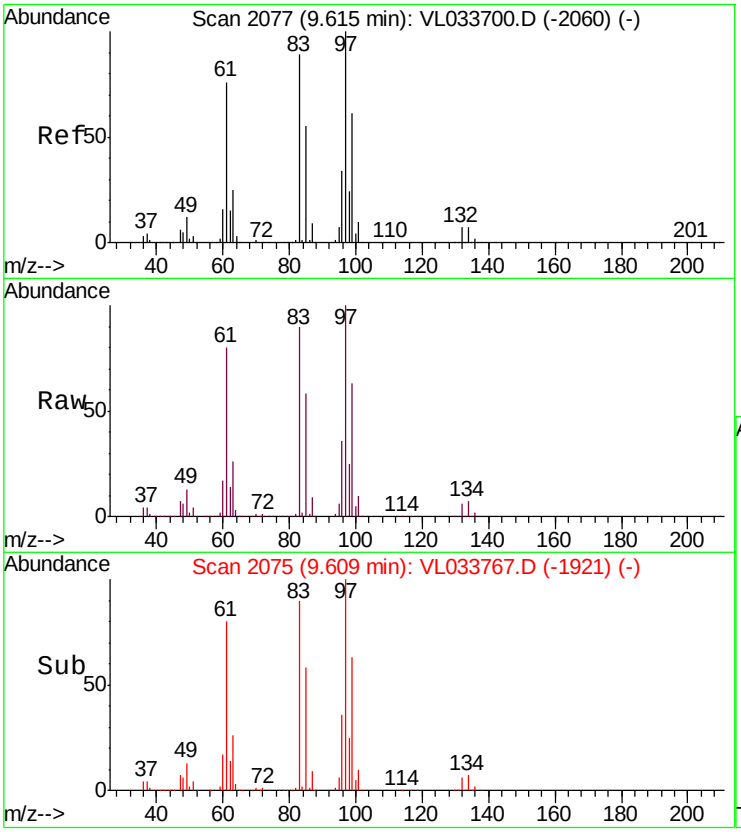


#46
cis-1,3-Dichloropropene
Concen: 11.463 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 75 Resp: 1261914

Ion	Ratio	Lower	Upper
75	100		
39	67.0	54.4	81.6
77	32.9	26.6	39.8



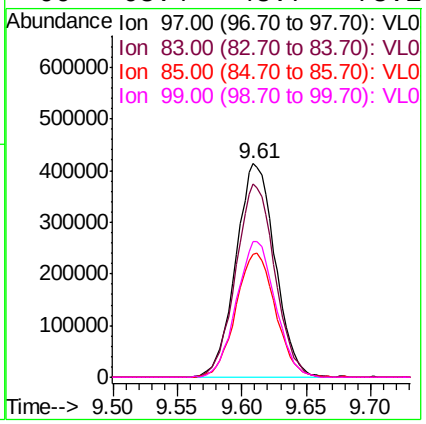


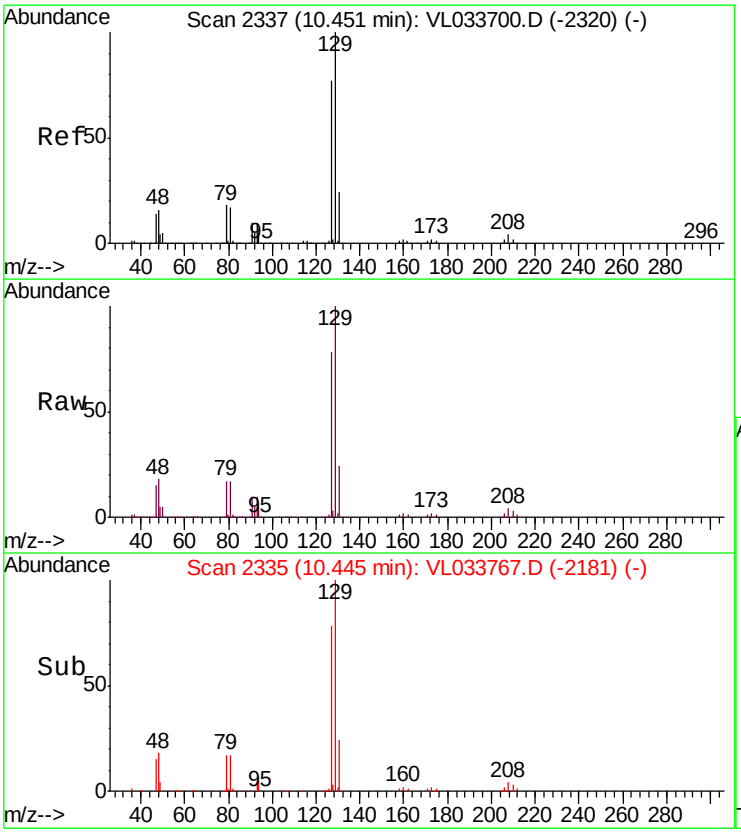
#47
1,1,2-Trichloroethane
Concen: 10.244 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 874330

Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.8	106.2
85	57.7	43.7	65.5
99	63.4	48.7	73.1

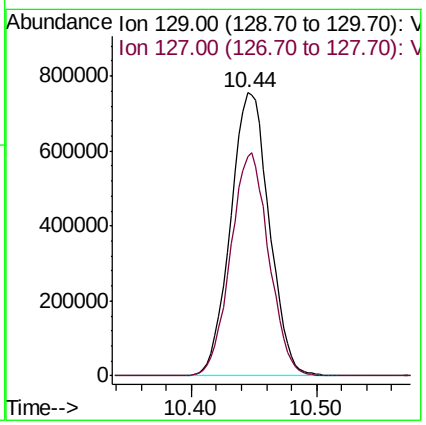


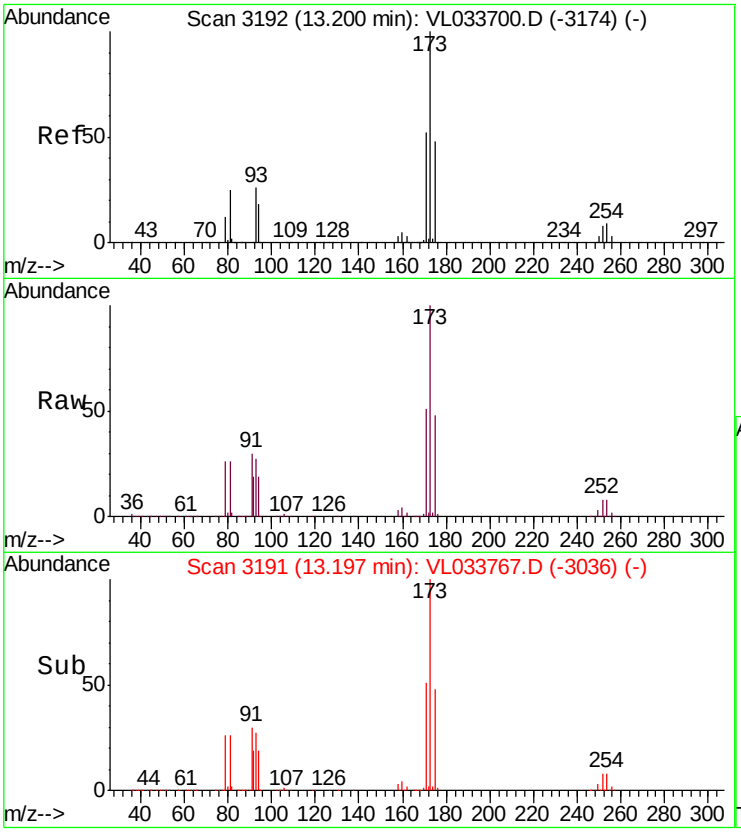


#48
Dibromochloromethane
Concen: 10.969 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:129 Resp: 1622163

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0



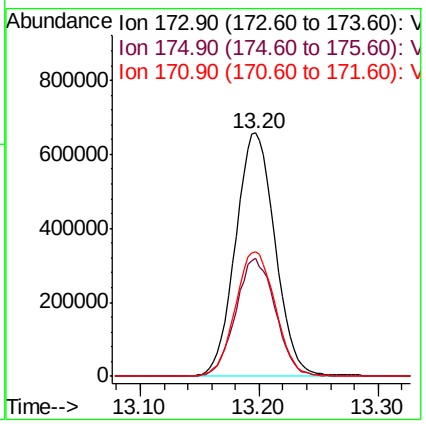


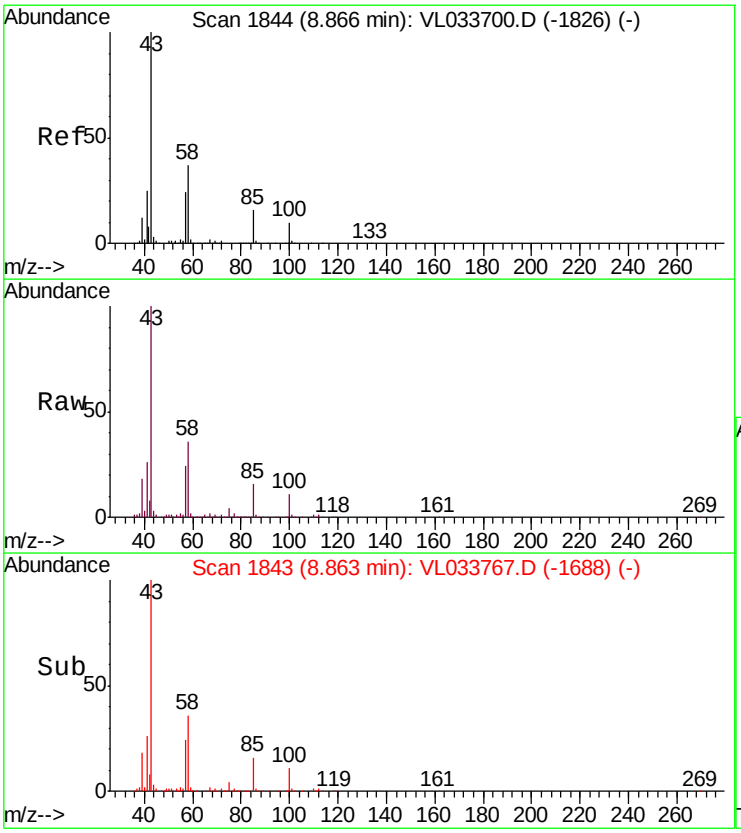
#49
Bromoform
Concen: 12.143 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1510924

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	52.0	41.5	62.3

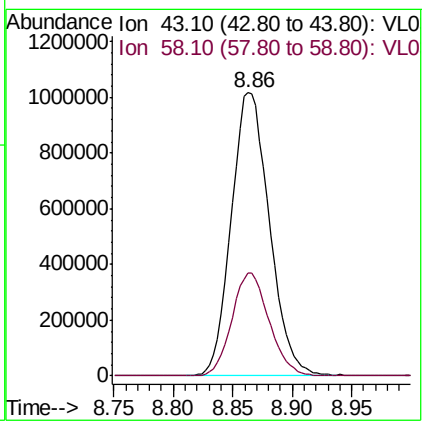


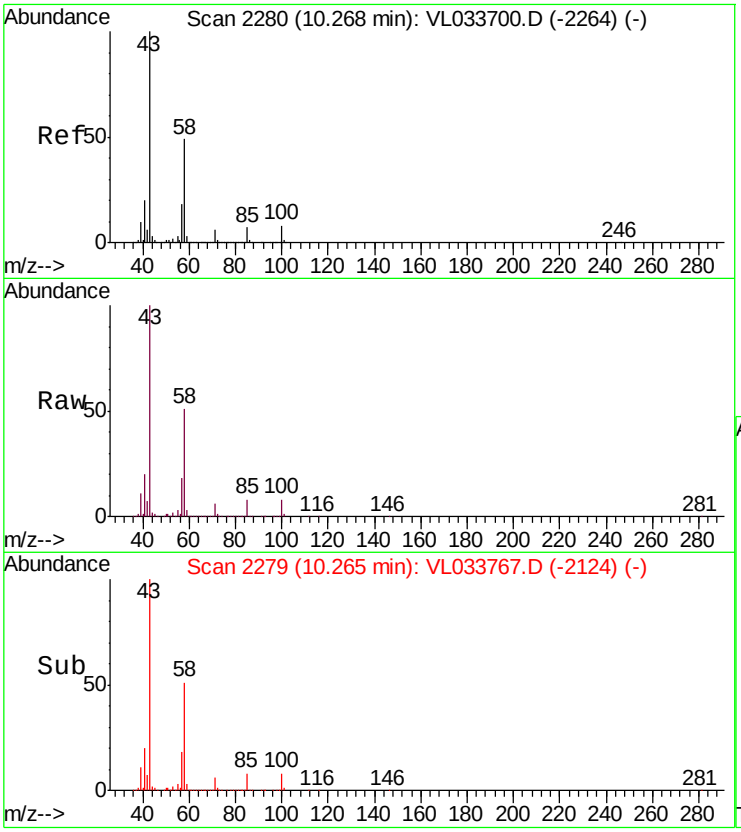


#50
4-Methyl-2-Pentanone
Concen: 10.691 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 43 Resp: 2257858

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.6	43.0



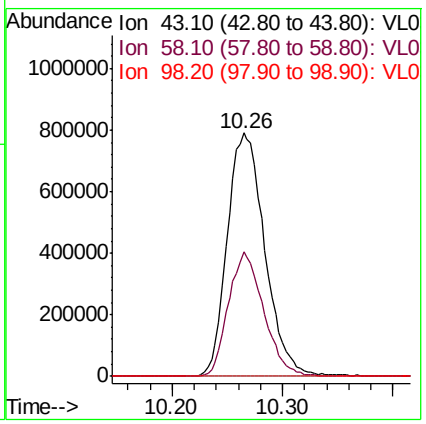


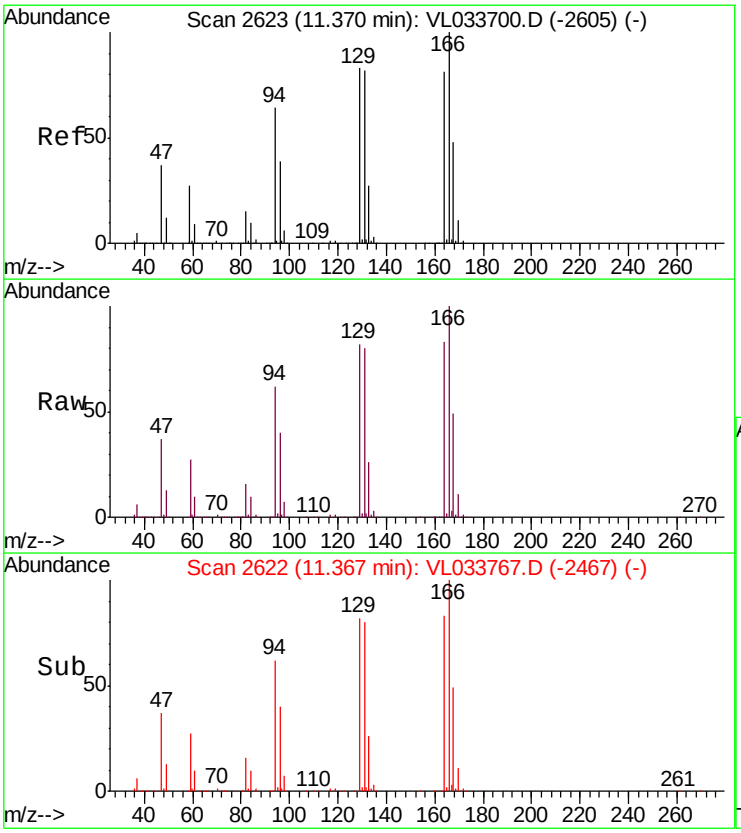
#51
2-Hexanone
Concen: 11.308 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1863900

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.7	58.1
98	0.3	0.2	0.4

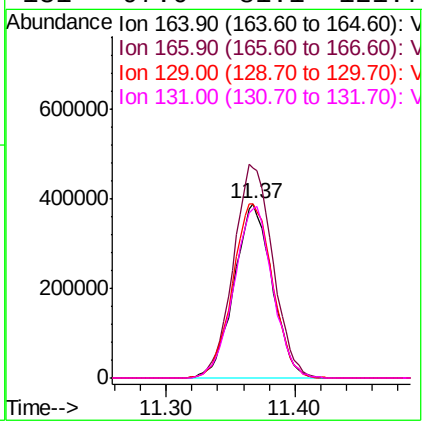


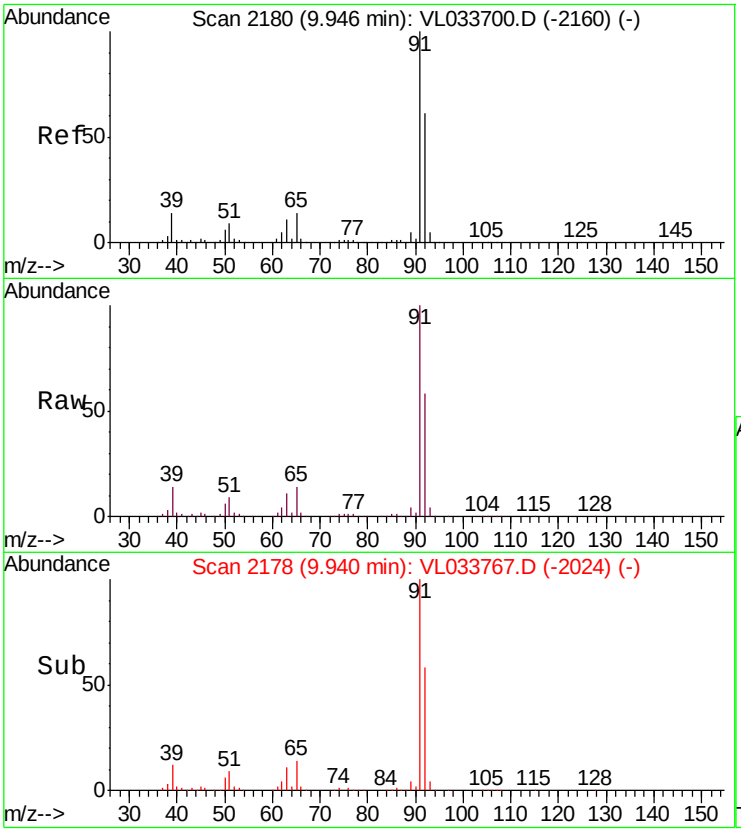


#52
Tetrachloroethene
Concen: 11.200 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:164 Resp: 793359

Ion	Ratio	Lower	Upper
164	100		
166	120.5	98.9	148.3
129	99.2	81.8	122.6
131	97.0	81.1	121.7



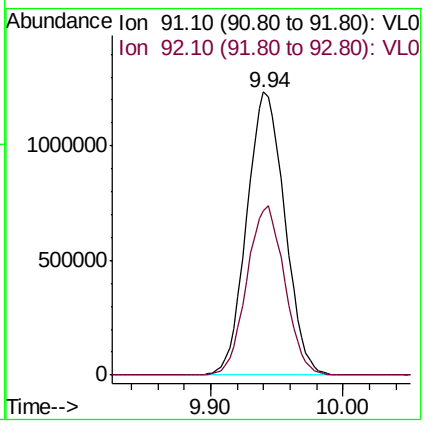


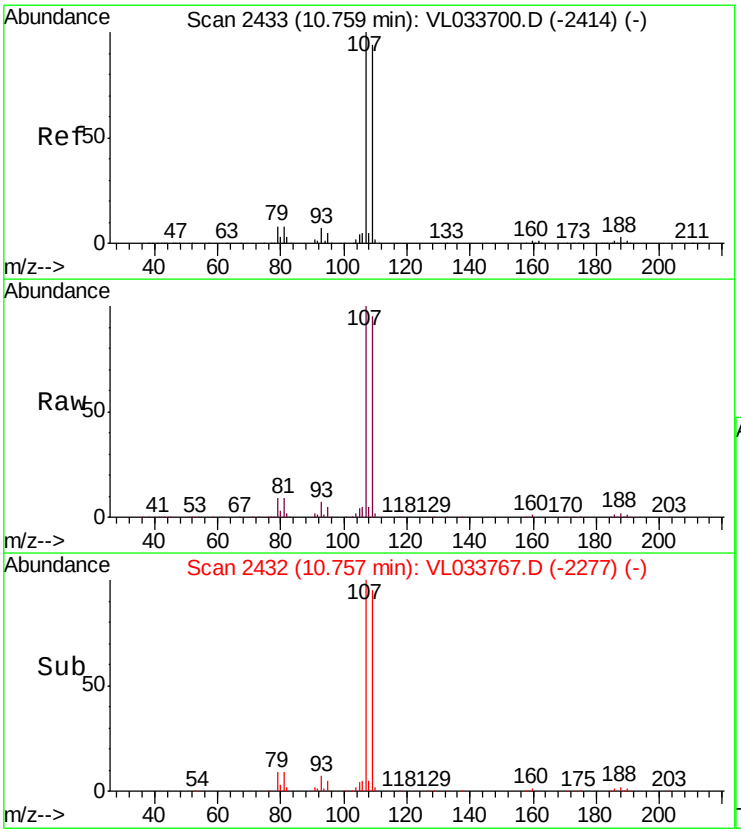
#53
Toluene
Concen: 11.329 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2462226

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.6	71.4

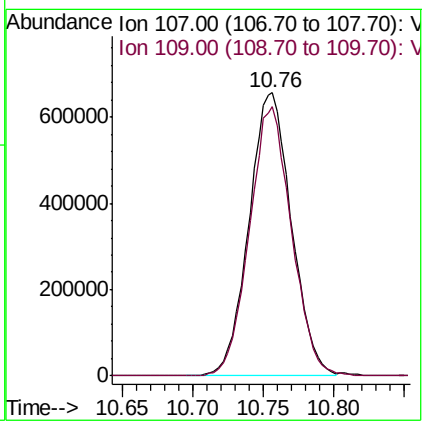


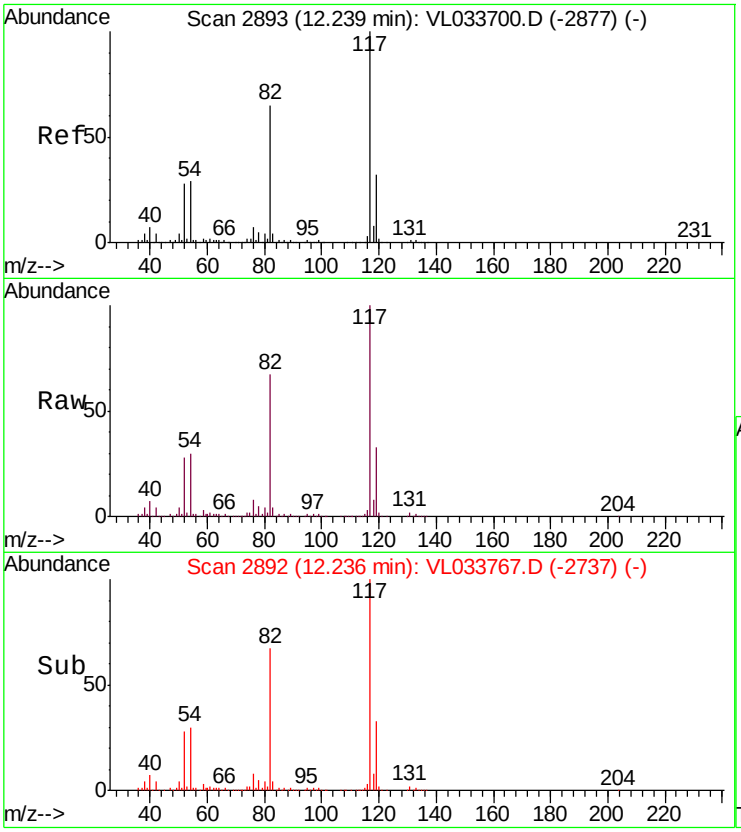


#54
1,2-Dibromoethane
Concen: 10.603 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:107 Resp: 1381034

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.2	112.8



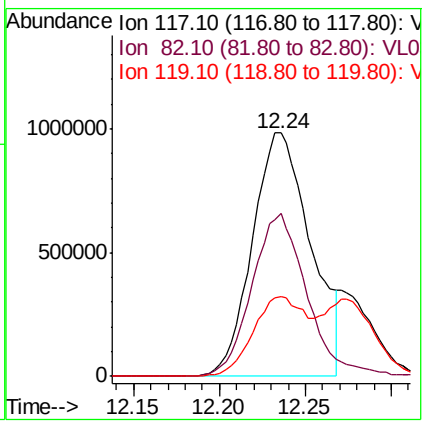


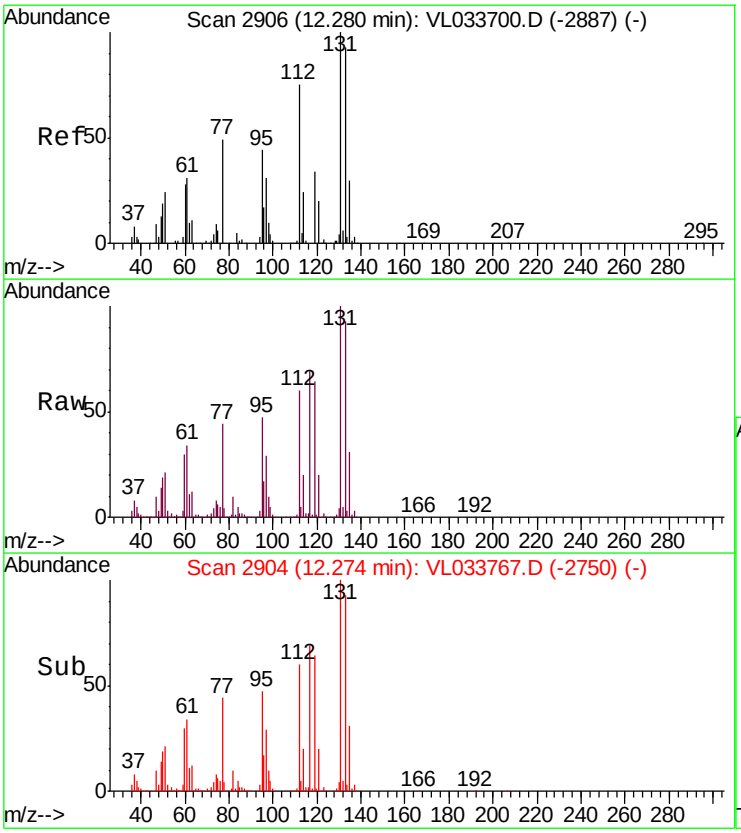
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2318153

Ion	Ratio	Lower	Upper
117	100		
82	63.3	49.4	74.0
119	30.2	24.9	37.3

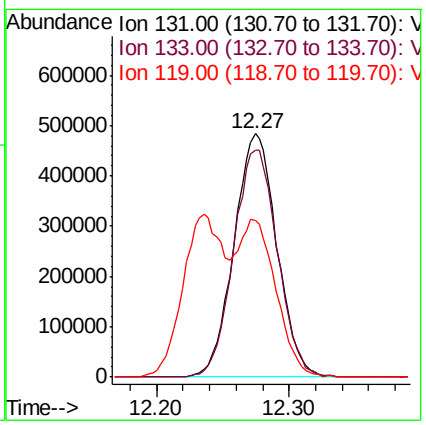


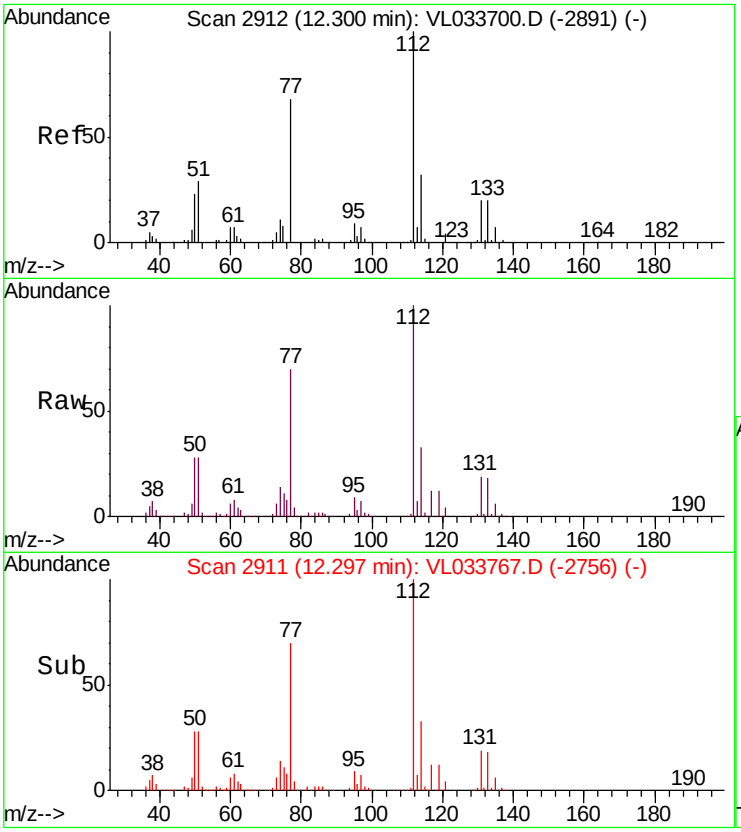


#56
1,1,1,2-Tetrachloroethane
Concen: 10.043 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:131 Resp: 1077305

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.6	114.8
119	64.4	49.0	73.4



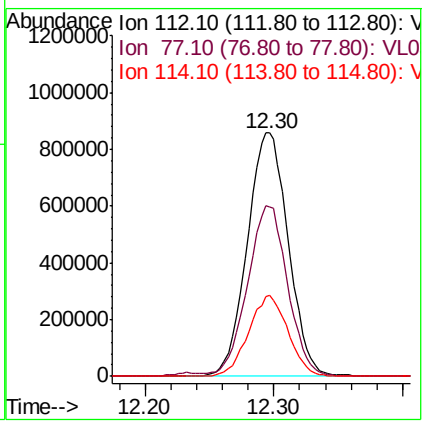


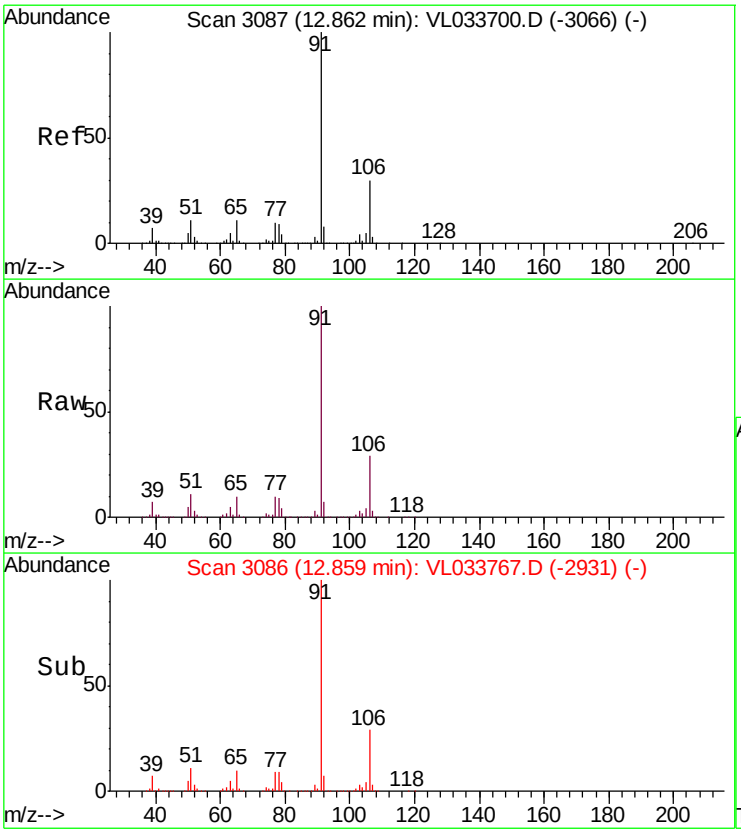
#57
Chlorobenzene
Concen: 9.951 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1898874

Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.4	83.0
114	33.3	29.3	35.8

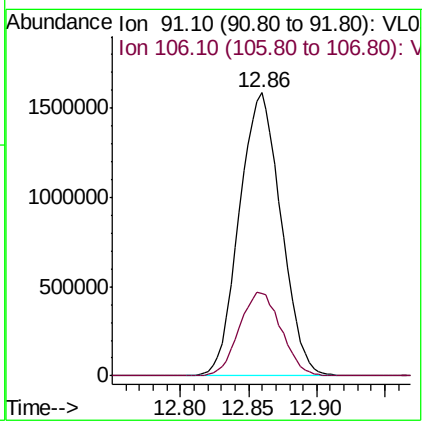


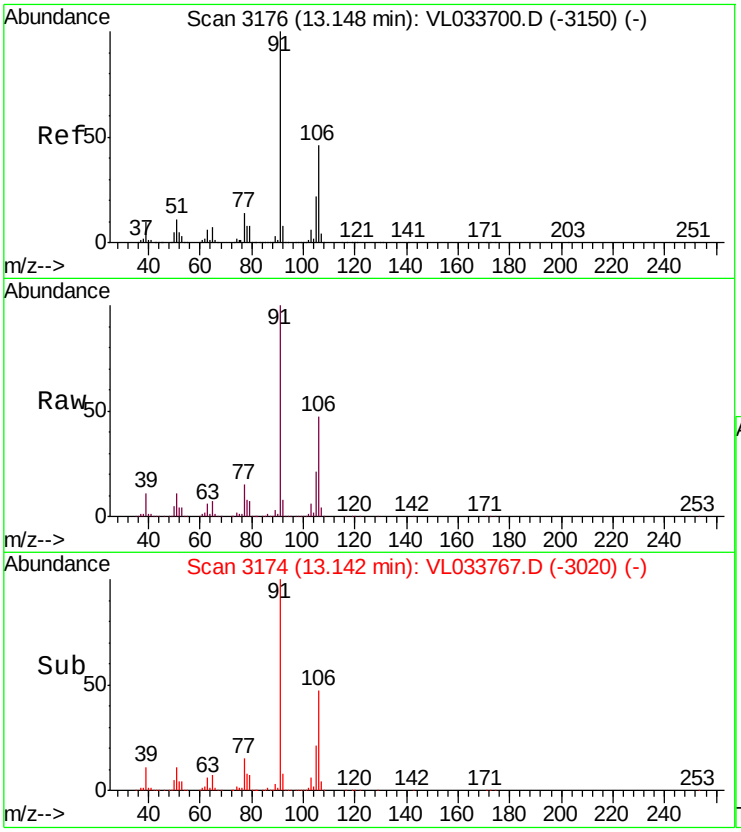


#58
Ethyl Benzene
Concen: 11.000 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 91 Resp: 3376939

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.9	35.9



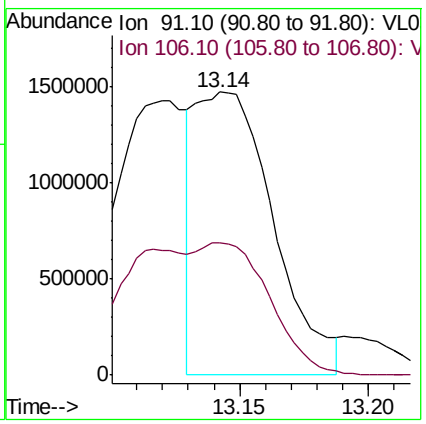


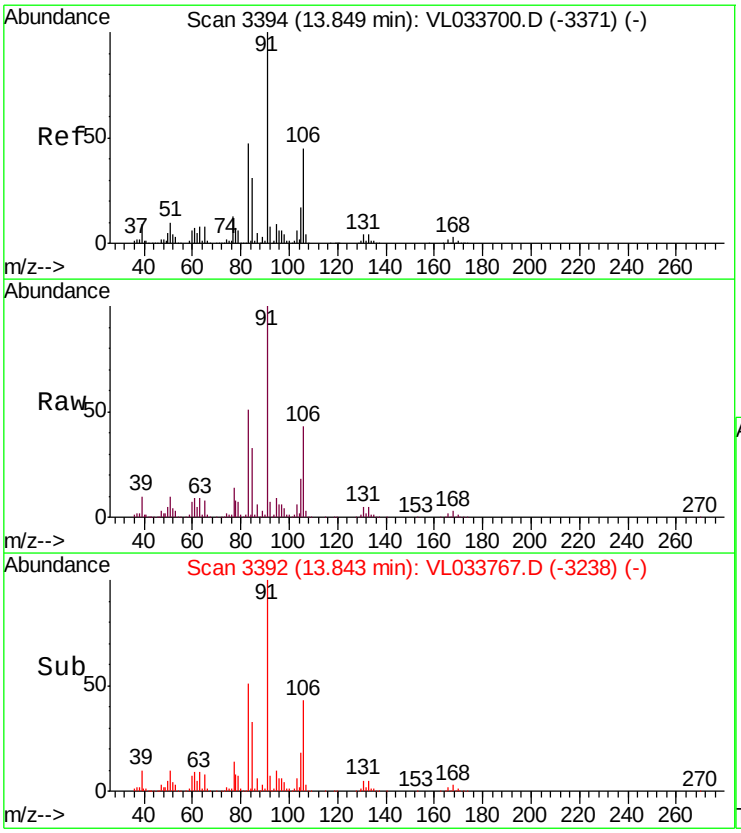
#59
m/p-Xylene
Concen: 11.525 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3092796

Ion	Ratio	Lower	Upper
91	100		
106	86.7	35.8	53.6#

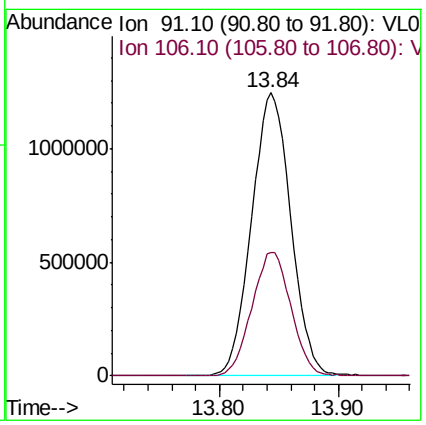


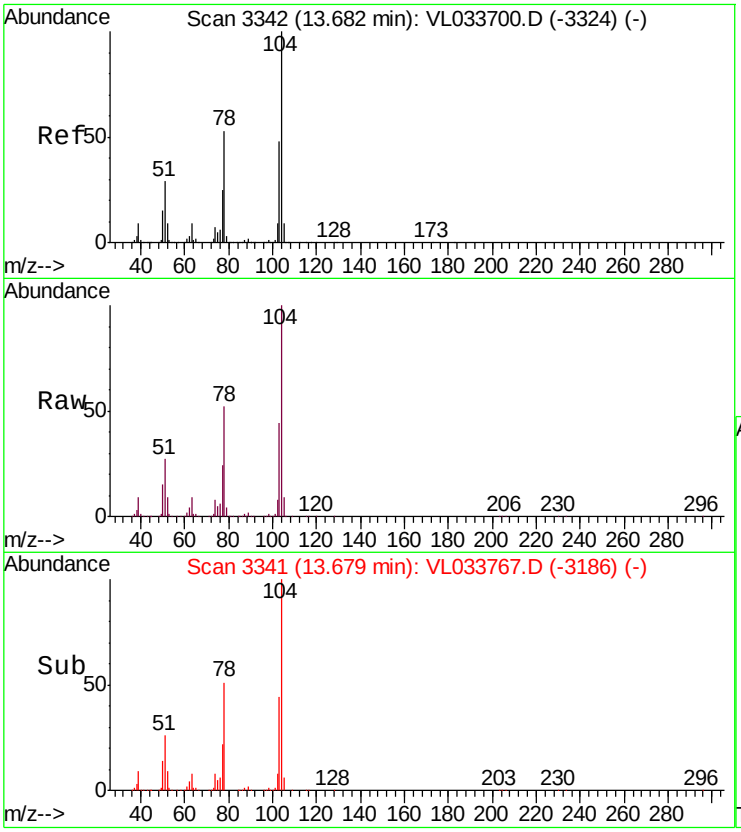


#60
o-Xylene
Concen: 10.483 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 91 Resp: 2835791

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.6	64.8



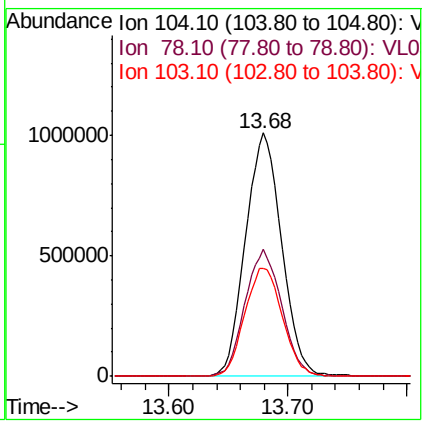


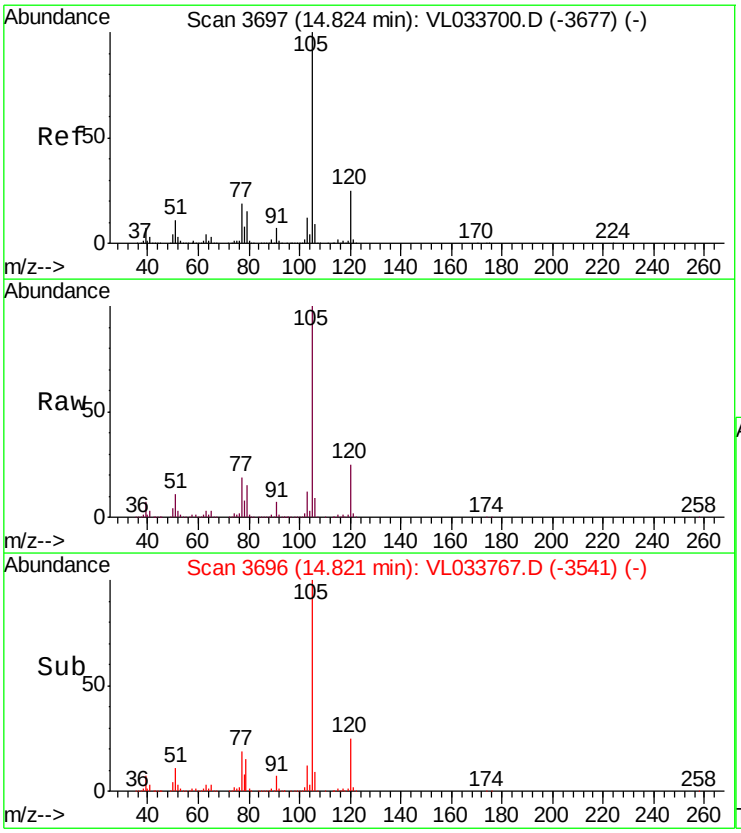
#61
Styrene
Concen: 11.647 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2121217

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.6	64.0
103	46.6	37.8	56.6

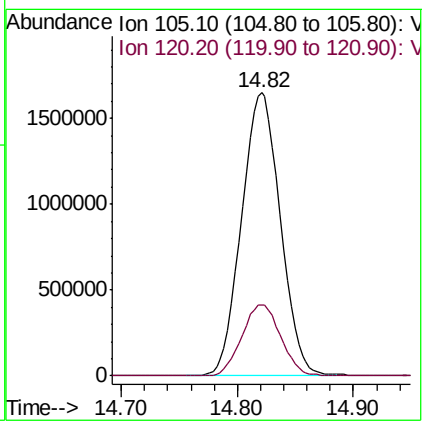


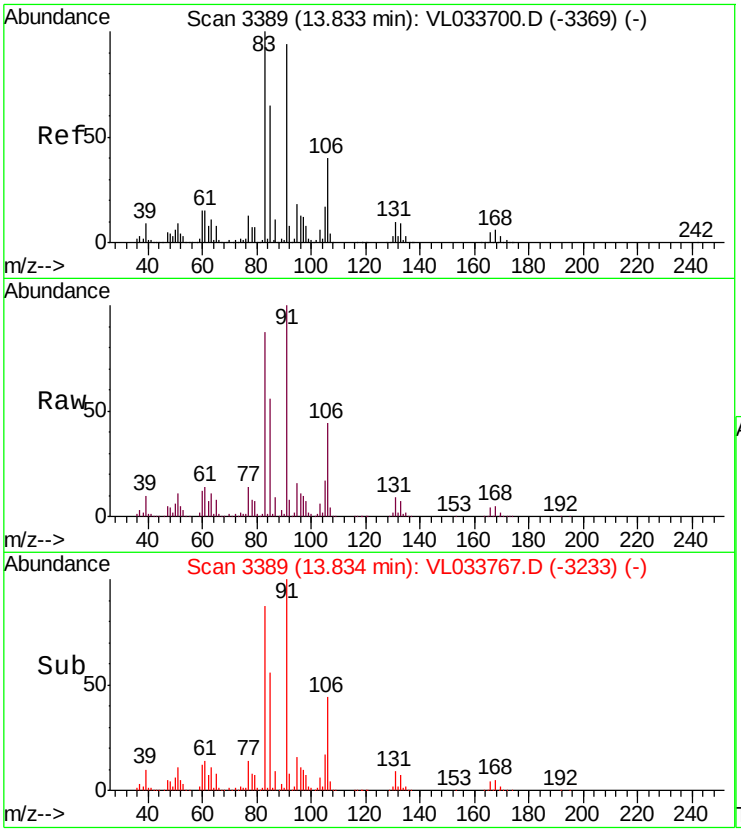


#62
Isopropylbenzene
Concen: 10.541 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:105 Resp: 3839975

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



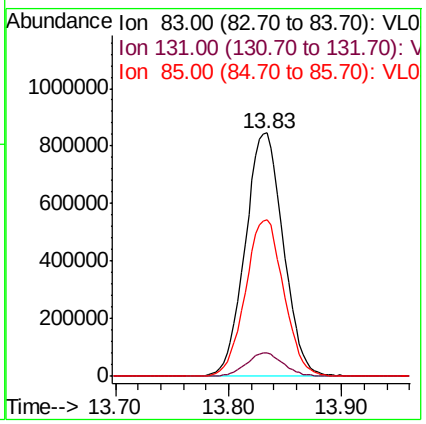


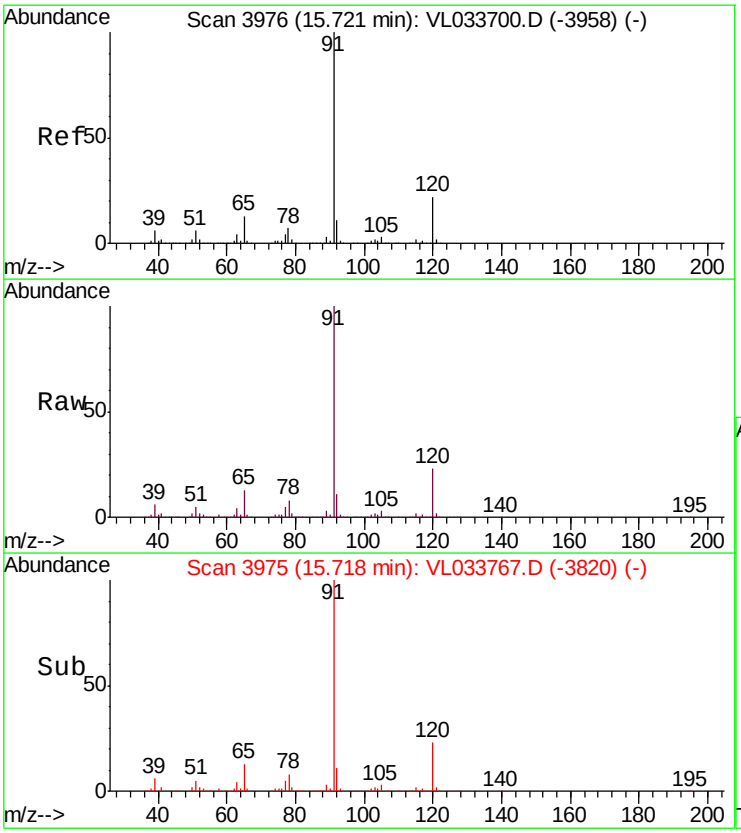
#63
1,1,2,2-Tetrachloroethane
Concen: 10.055 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1978079

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.0	32.3	96.9

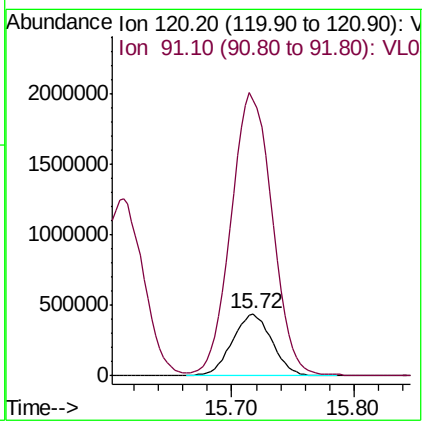


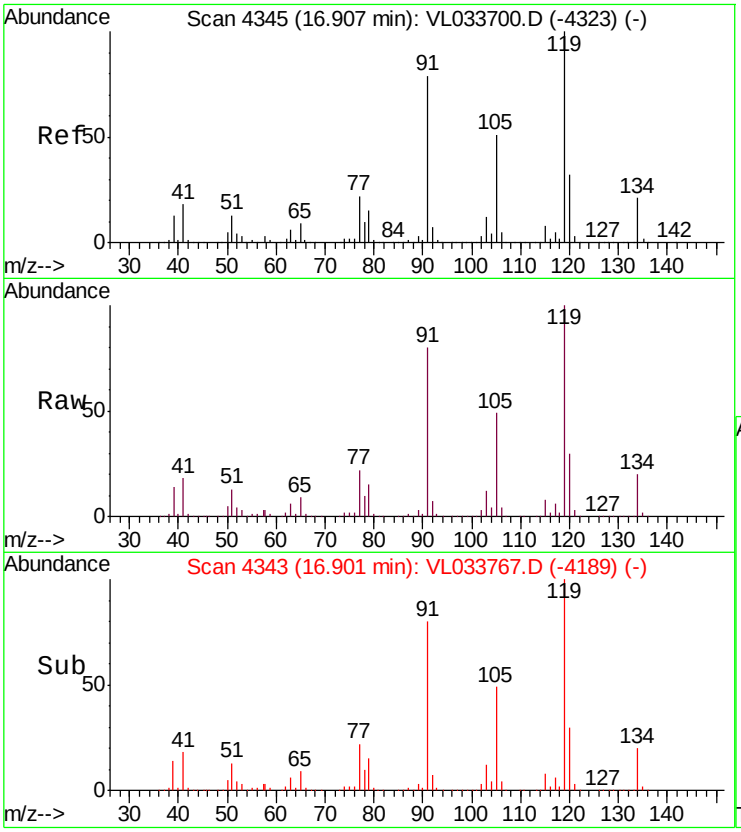


#64
n-propylbenzene
Concen: 10.538 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:120 Resp: 993039

Ion	Ratio	Lower	Upper
120	100		
91	478.3	379.1	568.7



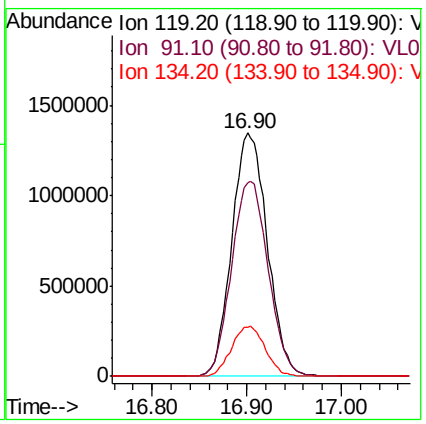


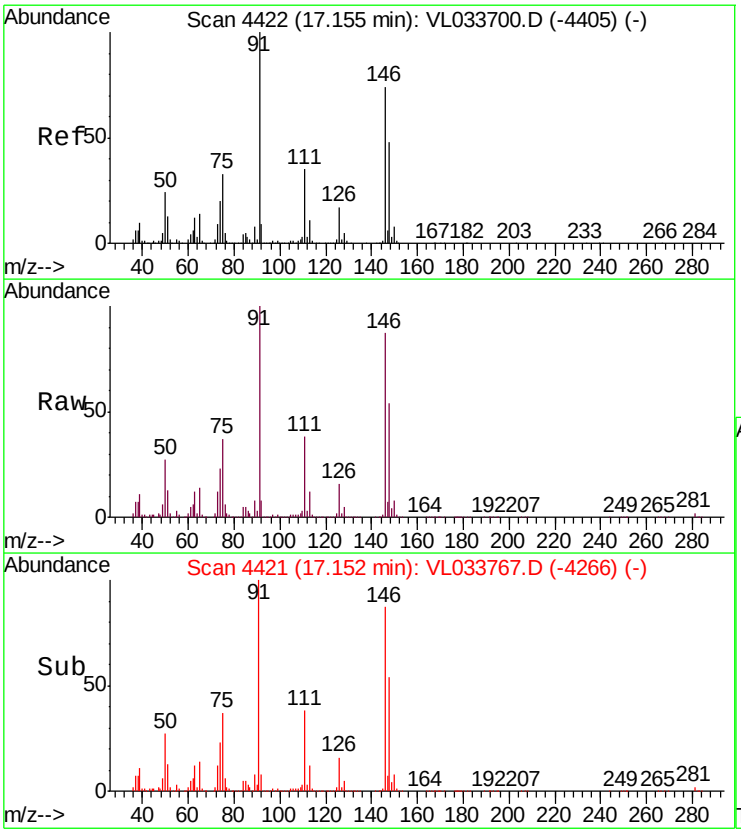
#65
tert-Butylbenzene
Concen: 10.553 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3510101

Ion	Ratio	Lower	Upper
119	100		
91	83.0	65.3	97.9
134	19.6	15.7	23.5

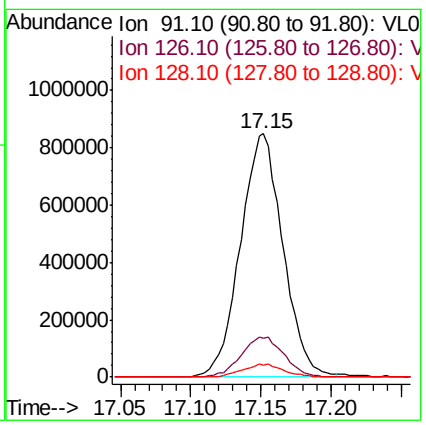


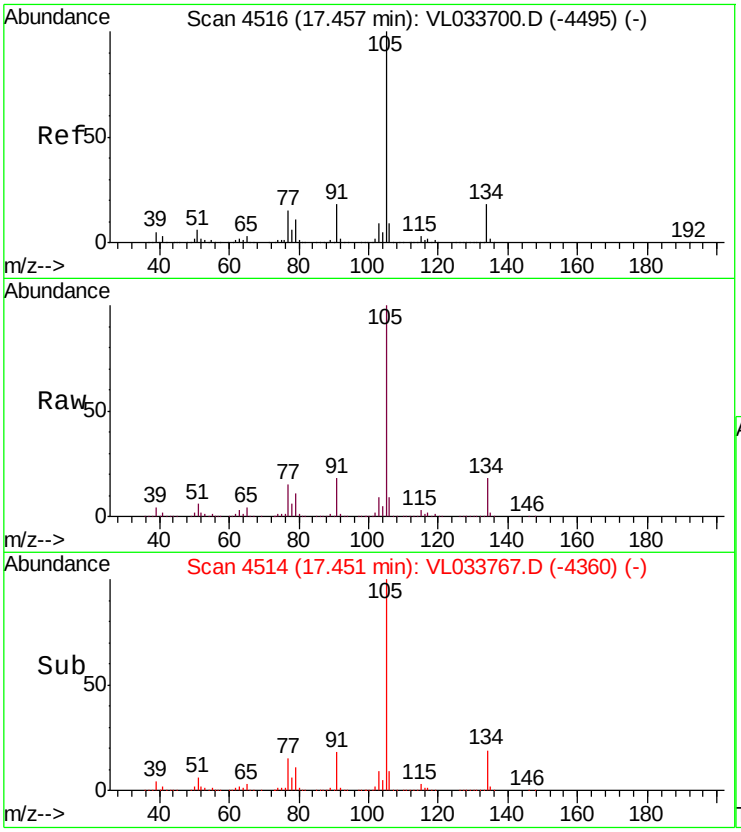


#66
Benzyl Chloride
Concen: 11.270 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 91 Resp: 1785342

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.3	4.3	6.5



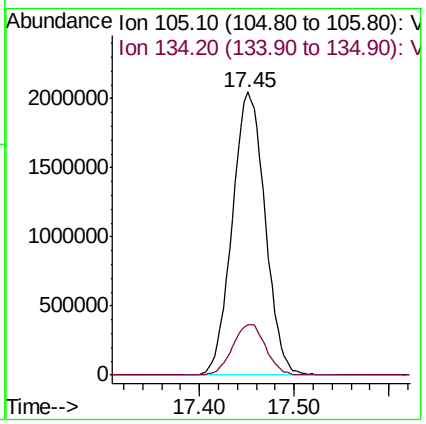


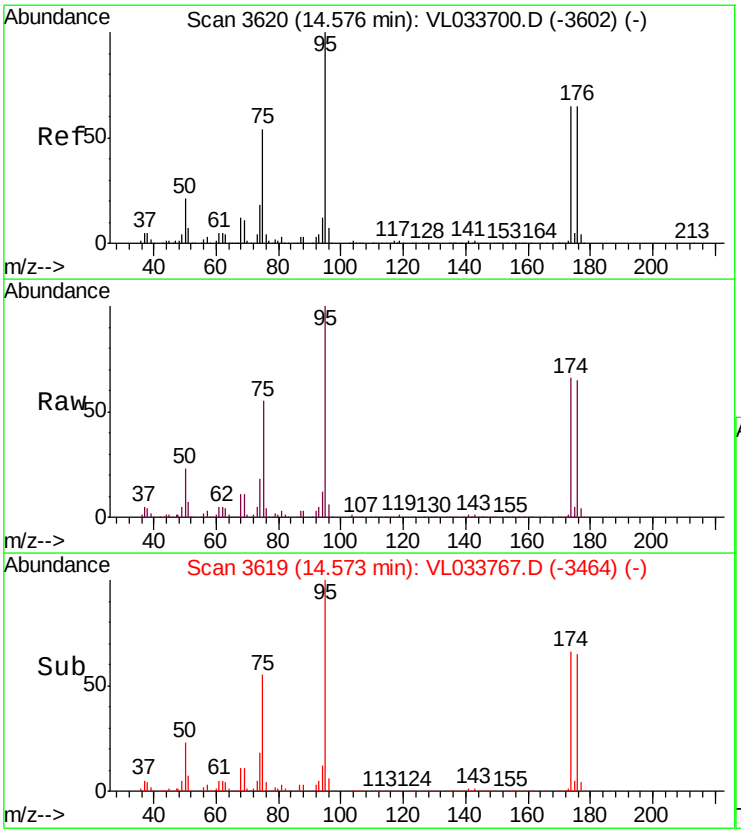
#67
sec-Butylbenzene
Concen: 10.620 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4943916

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

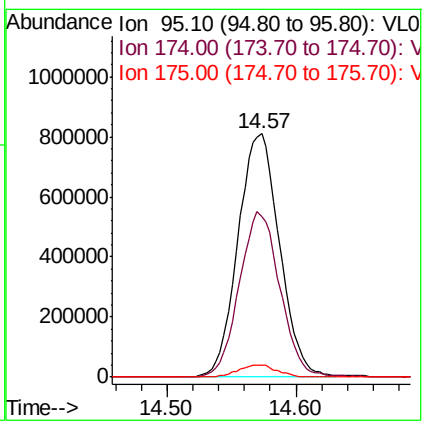


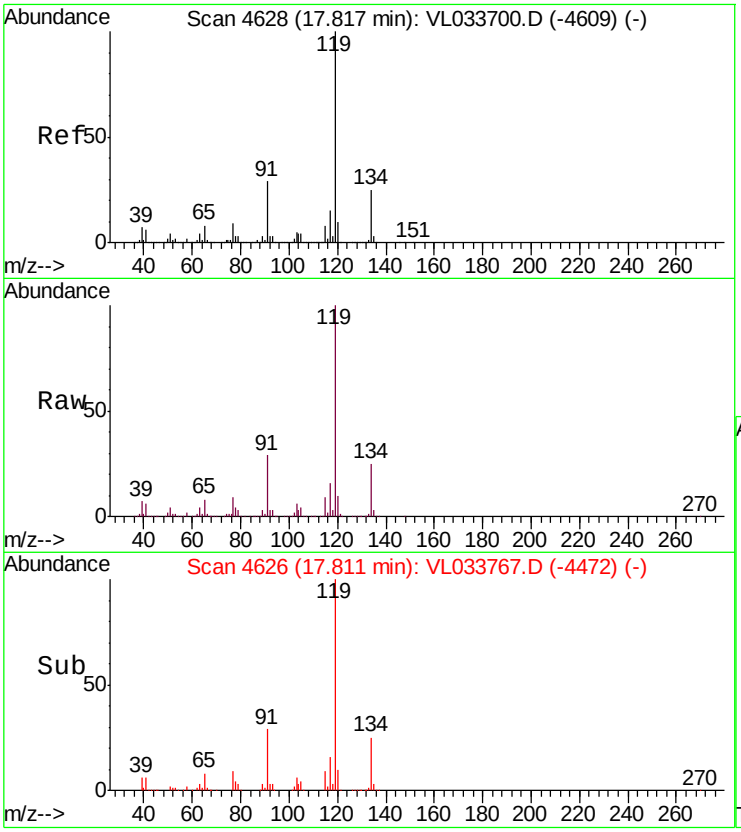


#68
1-Bromo-4-Fluorobenzene
Concen: 9.675 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 95 Resp: 1818147

Ion	Ratio	Lower	Upper
95	100		
174	66.8	53.9	80.9
175	4.8	3.8	5.8



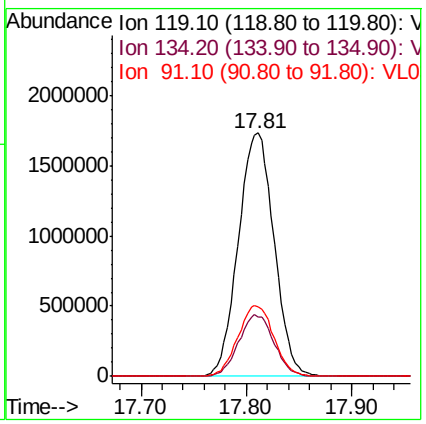


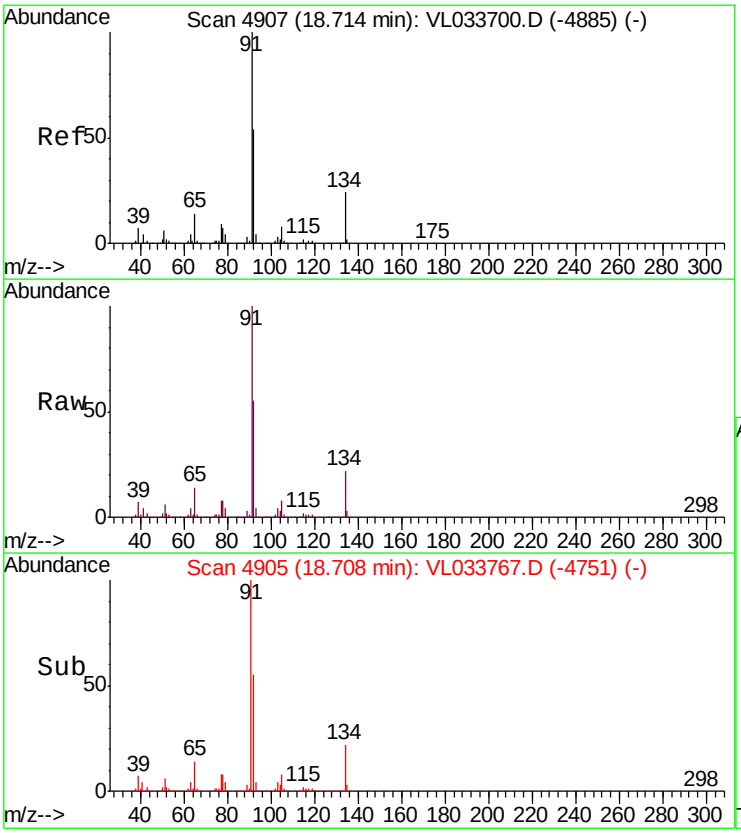
#69
p-Isopropyltoluene
Concen: 10.611 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4082837

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.3	23.1	34.7

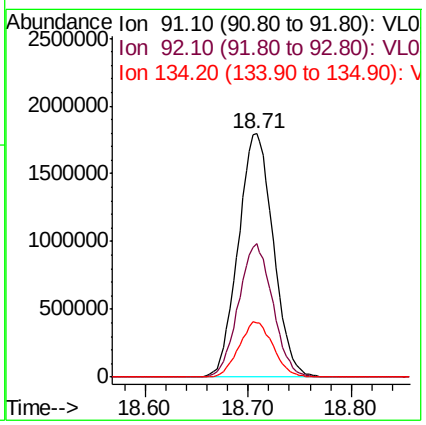


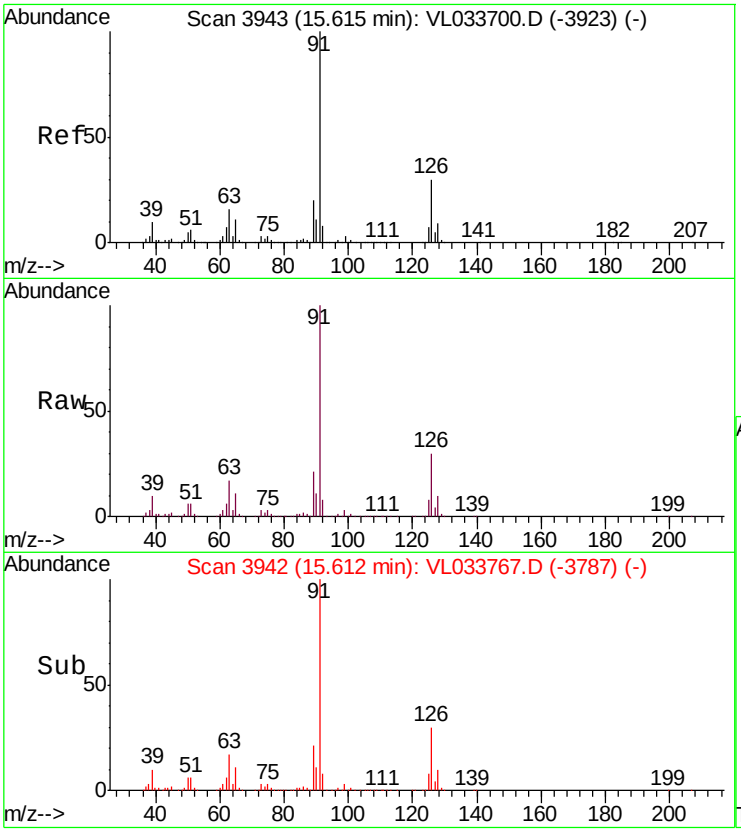


#70
n-Butylbenzene
Concen: 10.257 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion: 91 Resp: 4232496

Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.6	63.8
134	22.1	18.1	27.1



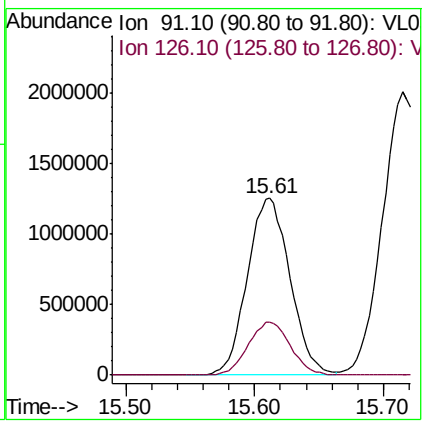


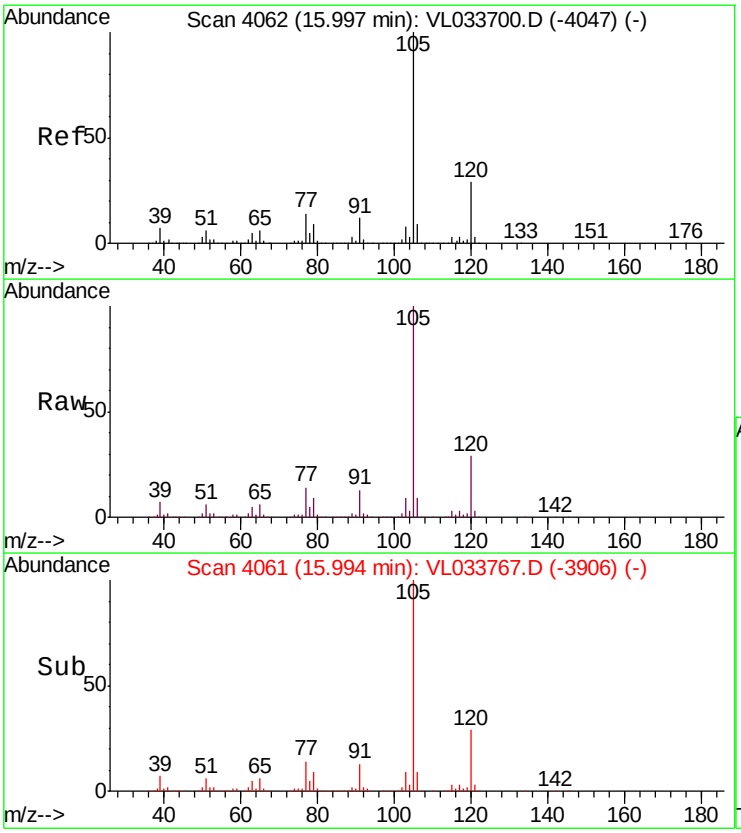
#71
2-Chlorotoluene
Concen: 10.717 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2896638

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	47.8

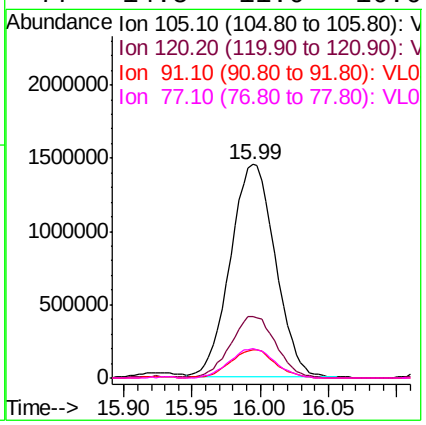


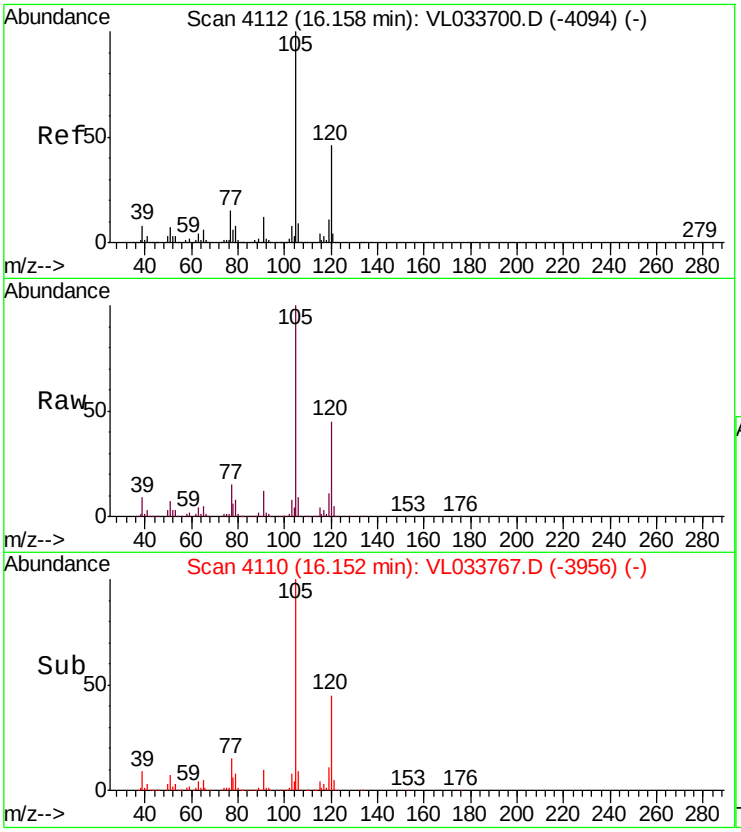


#72
4-Ethyltoluene
Concen: 10.712 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:105 Resp: 3313255

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.1	34.7
91	13.8	10.4	15.6
77	14.5	11.0	16.6



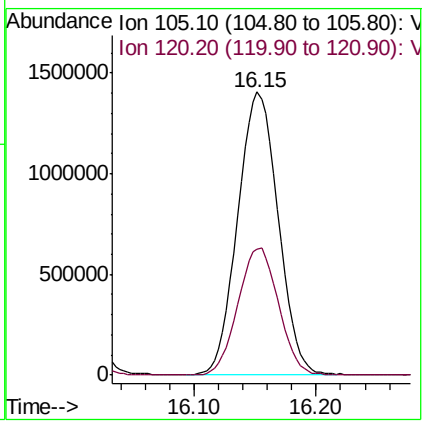


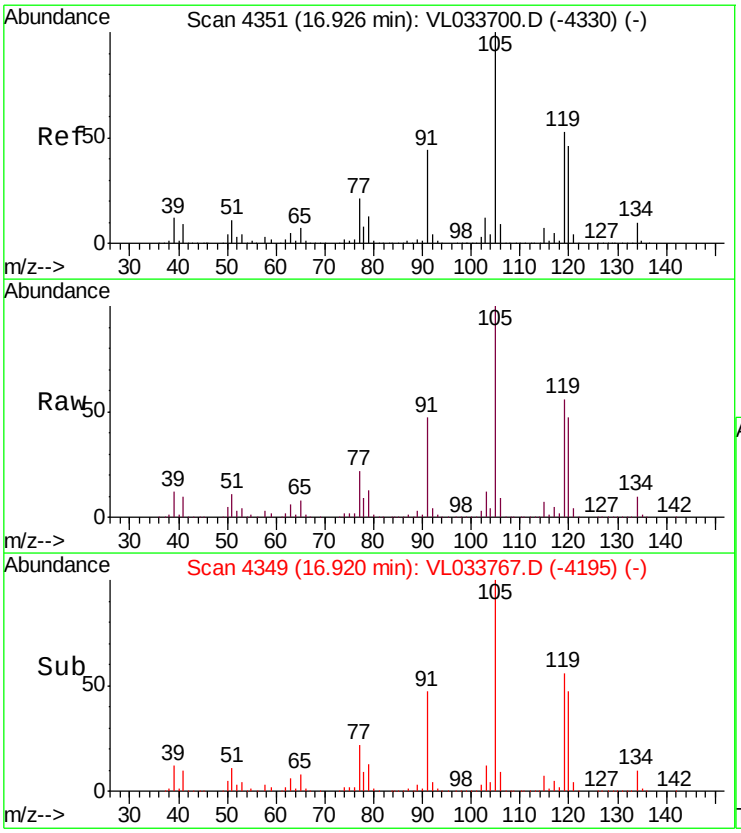
#73
1,3,5-Trimethylbenzene
Concen: 10.637 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3210095

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.0	55.4

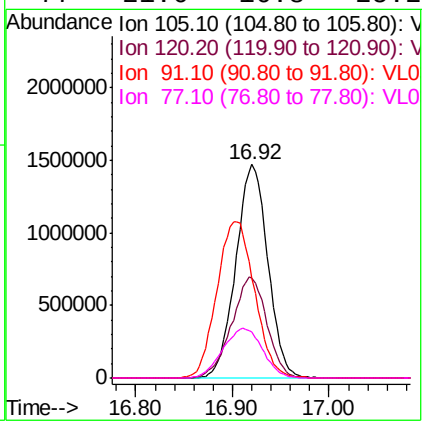


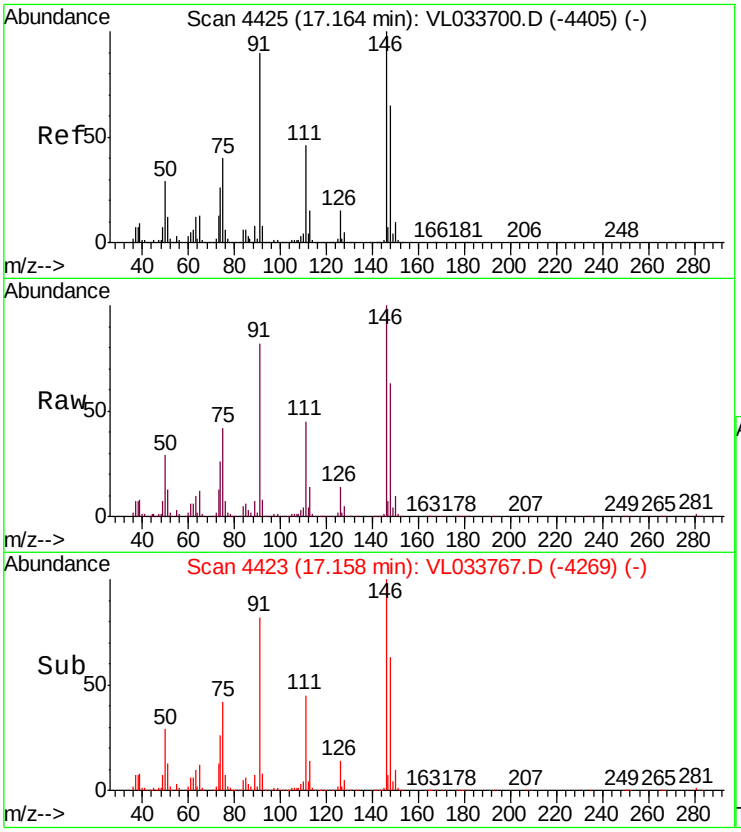


#74
1,2,4-Trimethylbenzene
Concen: 10.282 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:105 Resp: 3376811

Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.8	55.2
91	46.8	35.4	53.0
77	21.6	16.8	25.2



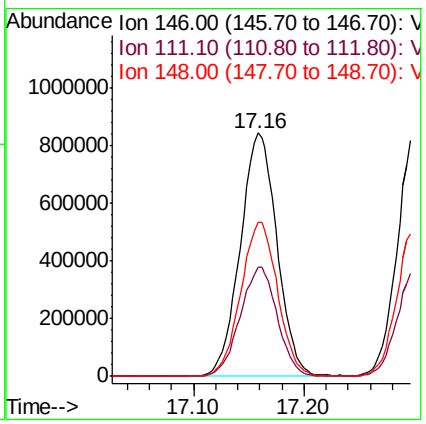


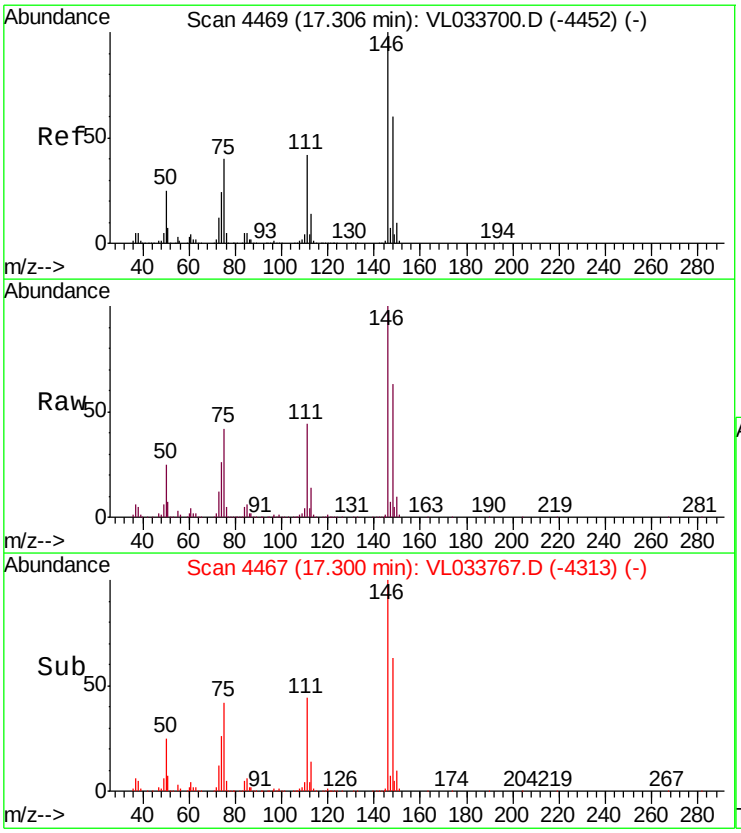
#75
1,3-Dichlorobenzene
Concen: 9.675 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1947079

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	63.8	32.0	96.2

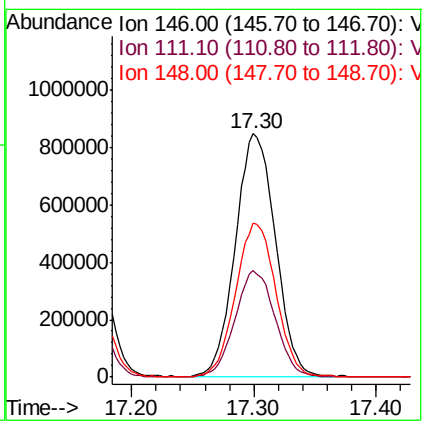


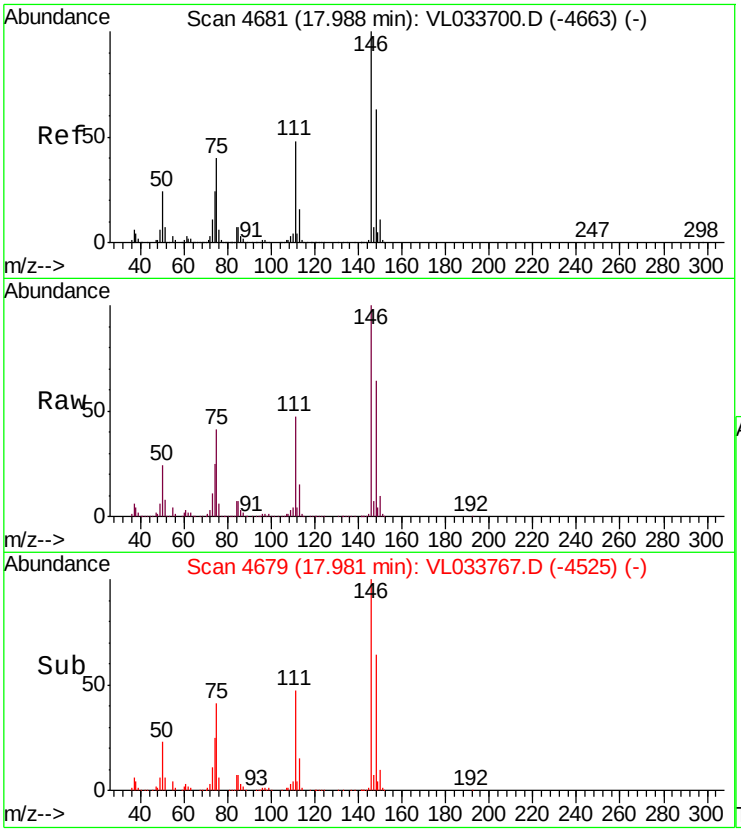


#76
1,4-Dichlorobenzene
Concen: 10.006 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:146 Resp: 1913921

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.8
148	64.0	32.1	96.3



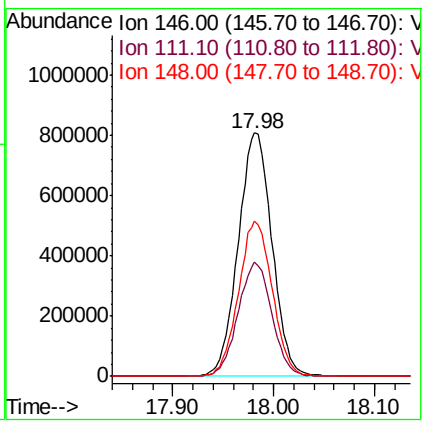


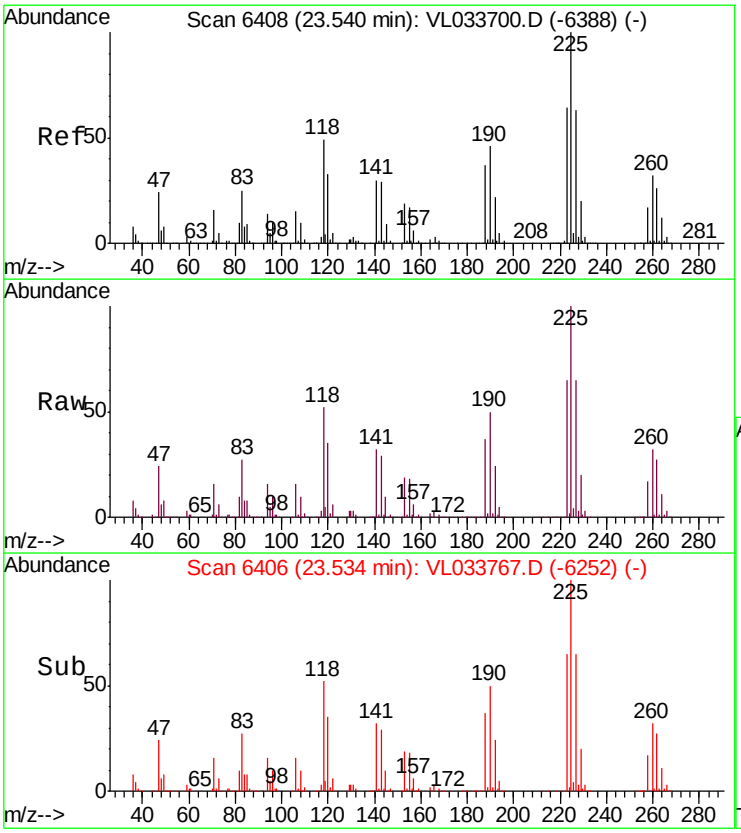
#77
1,2-Dichlorobenzene
Concen: 9.927 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1877239

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	63.8	32.1	96.3

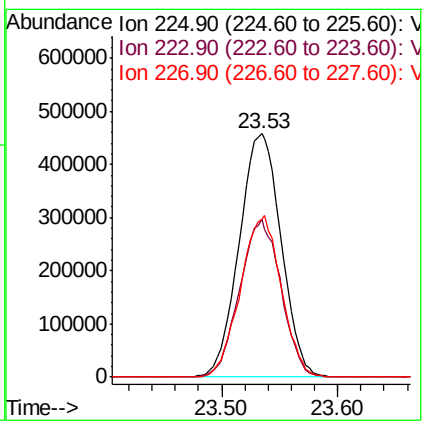


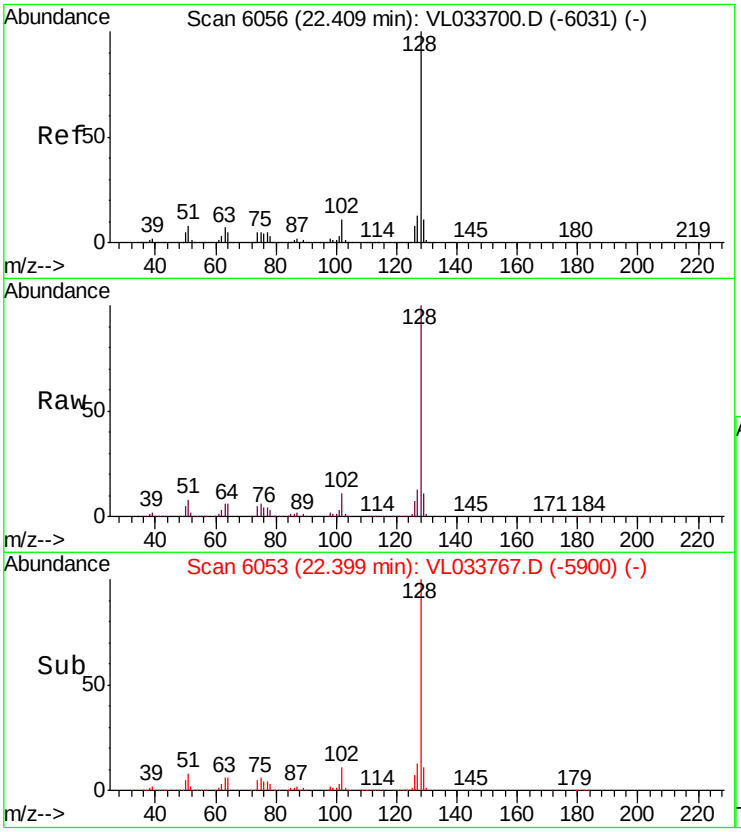


#78
Hexachloro-1,3-Butadiene
Concen: 8.048 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:225 Resp: 1150724

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.4
227	64.8	50.7	76.1



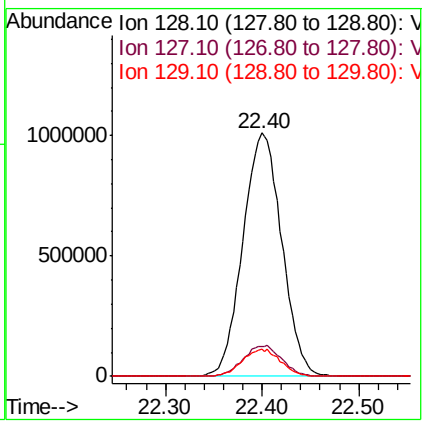


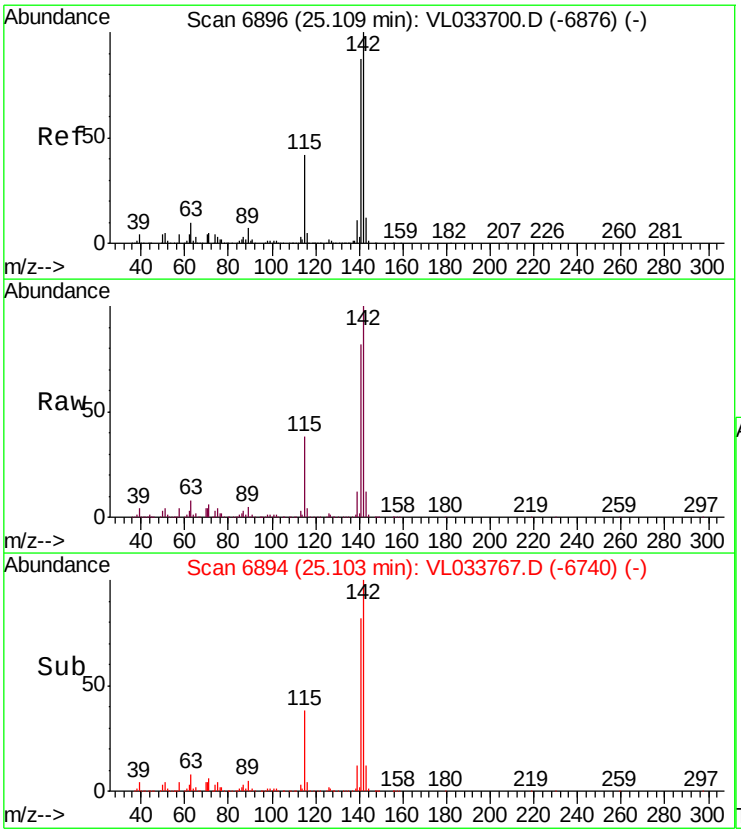
#79
Naphthalene
Concen: 9.247 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2820756

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	11.2	8.9	13.3

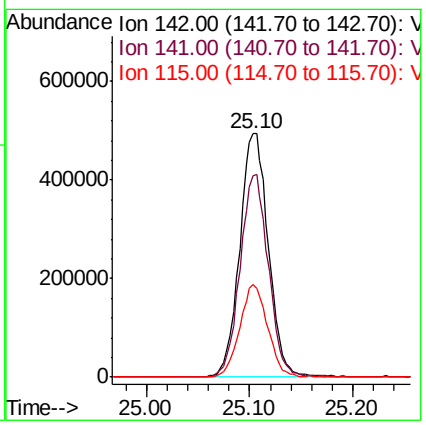


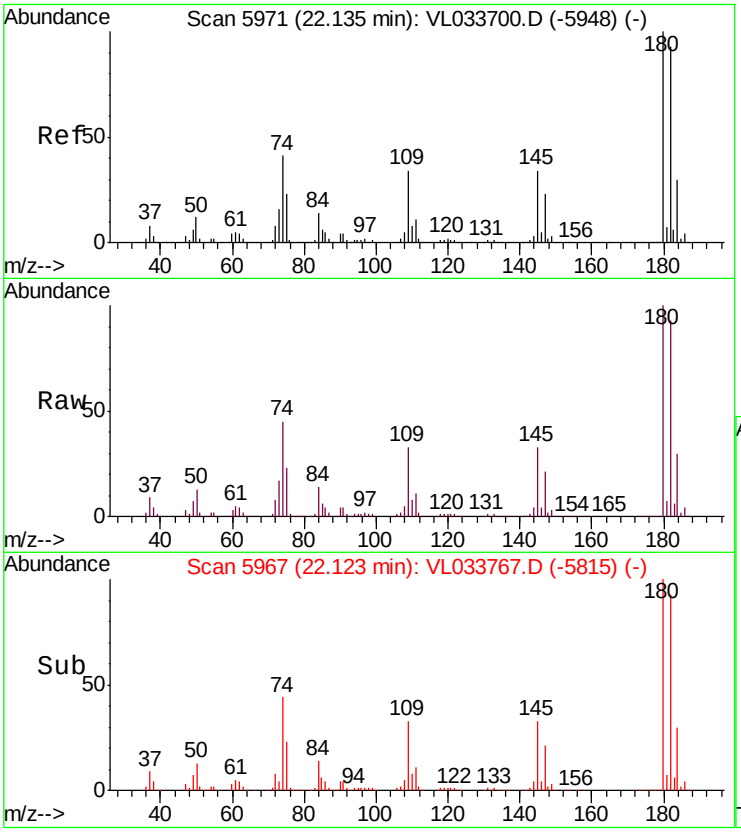


#80
Naphthalene,2-methyl-
Concen: 8.234 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Tgt Ion:142 Resp: 954372

Ion	Ratio	Lower	Upper
142	100		
141	82.8	67.2	100.8
115	37.3	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 8.961 ppbv
RT: 22.12 min Scan# 5967
Delta R.T. -0.01 min
Lab File: VL033767.D
Acq: 23 May 2019 5:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1600765

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
184	30.7	24.6	37.0