Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033840.D
Acq On : 29 May 2019 16:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 30 02:10:01 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	756427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1877870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2430362	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1544668	7.84	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1193166	7.485	ppbv	100
3) Chlorodifluoromethane	3.01	51	948792	10.950	ppbv	100
4) Chloromethane	3.17	50	546127	11.020	ppbv	96
5) Vinyl Chloride	3.29	62	552229	10.939	ppbv	99
6) Bromomethane	3.51	94	340384	11.050	ppbv	100
7) Chloroethane	3.60	64	204506	11.399	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1406888	10.947	ppbv	99
9) Propene	3.03	41	416995	11.315	ppbv	99
10) Heptane	8.24	43	1061613	10.172	ppbv	100
11) Trichlorofluoromethane	4.00	101	1605461	10.552	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1096289	10.318	ppbv	98
13) Ethanol	3.64	45	94548	7.937	ppbv	100
14) Bromoethene	3.78	108	453875	11.620	ppbv	99
15) Acetone	3.89	43	994406	9.475	ppbv	100
16) 1,3-Butadiene	3.36	39	488812	11.696	ppbv	99
17) tert-Butyl alcohol	4.35	59	1010033	11.902	ppbv	100
18) 1,1-Dichloroethene	4.35	96	481392	10.735	ppbv	97
19) Isopropyl Alcohol	4.02	45	756925	11.186	ppbv	99
20) Methylene Chloride	4.40	84	411721	10.189	ppbv	97
21) Allyl Chloride	4.47	41	704432	10.761	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	501830	10.917	ppbv	96
23) Vinyl Acetate	5.15	43	1569074	11.339	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1102787	10.484	ppbv	99
25) Ethyl Acetate	5.76	43	1883108	10.214	ppbv	100
26) Hexane	5.77	57	826618	10.429	ppbv	99
27) Carbon Disulfide	4.61	76	1197720	11.015	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1465114	11.339	ppbv	99
29) Chloroform	5.84	83	1442416	9.880	ppbv	98
30) Cyclohexane	7.24	84	709110	10.642	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	855012	10.880	ppbv	97
32) 1,1,1-Trichloroethane	6.61	97	1542234	10.580	ppbv	100
34) 2-Butanone	5.32	43	1238565	10.641	ppbv	99
35) Carbon Tetrachloride	7.13	117	1615079	10.737	ppbv	98
36) Benzene	7.00	78	1820442	10.657	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1110867	10.081	ppbv	100
38) Trichloroethene	7.95	130	704989	11.122	ppbv	97
39) 1,2-Dichloropropane	7.73	63	659787	10.360	ppbv	99
40) 1,4-Dioxane	7.95	88	260721	9.786	ppbv #	100
41) Tetrahydrofuran	6.14	42	707359	10.846	ppbv	100
42) Bromodichloromethane	7.91	83	1566011	10.381	ppbv	99
43) Methyl Methacrylate	8.13	69	688898	10.958	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033840.D
Acq On : 29 May 2019 16:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 30 02:10:01 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	2931465	10.154	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	924625	11.602	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	1052091	11.274	ppbv		96
47) 1,1,2-Trichloroethane	9.61	97	716827	9.908	ppbv		96
48) Dibromochloromethane	10.45	129	1333759	10.639	ppbv		99
49) Bromoform	13.20	173	1242708	11.781	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	1857867	10.377	ppbv		99
51) 2-Hexanone	10.26	43	1543261	11.044	ppbv	#	99
52) Tetrachloroethene	11.37	164	681479	11.349	ppbv		98
53) Toluene	9.94	91	2028670	11.011	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1147633	10.394	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	910287	8.094	ppbv		98
57) Chlorobenzene	12.30	112	1611538	8.056	ppbv		100
58) Ethyl Benzene	12.86	91	2930297	9.105	ppbv		100
59) m/p-Xylene	13.14	91	2484807	8.832	ppbv	#	31
60) o-Xylene	13.84	91	2427656	8.560	ppbv		99
61) Styrene	13.68	104	1816697	9.514	ppbv		100
62) Isopropylbenzene	14.82	105	3254040	8.520	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1706114	8.272	ppbv		99
64) n-propylbenzene	15.72	120	850342	8.607	ppbv		98
65) tert-Butylbenzene	16.90	119	2936295	8.420	ppbv		100
66) Benzyl Chloride	17.15	91	1470852	8.856	ppbv		100
67) sec-Butylbenzene	17.45	105	4087688	8.375	ppbv		99
69) p-Isopropyltoluene	17.81	119	3472483	8.608	ppbv		99
70) n-Butylbenzene	18.71	91	3639655	8.413	ppbv		99
71) 2-Chlorotoluene	15.61	91	2458207	8.675	ppbv		100
72) 4-Ethyltoluene	15.99	105	2918284	9.000	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	2781086	8.790	ppbv		100
74) 1,2,4-Trimethylbenzene	16.92	105	2821165	8.193	ppbv		96
75) 1,3-Dichlorobenzene	17.16	146	1626084	7.707	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	1615892	8.058	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1601204	8.076	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	916484	6.114	ppbv		99
79) Naphthalene	22.40	128	2214262	6.924	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	801276	6.594	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	1295352	6.917	ppbv		99

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

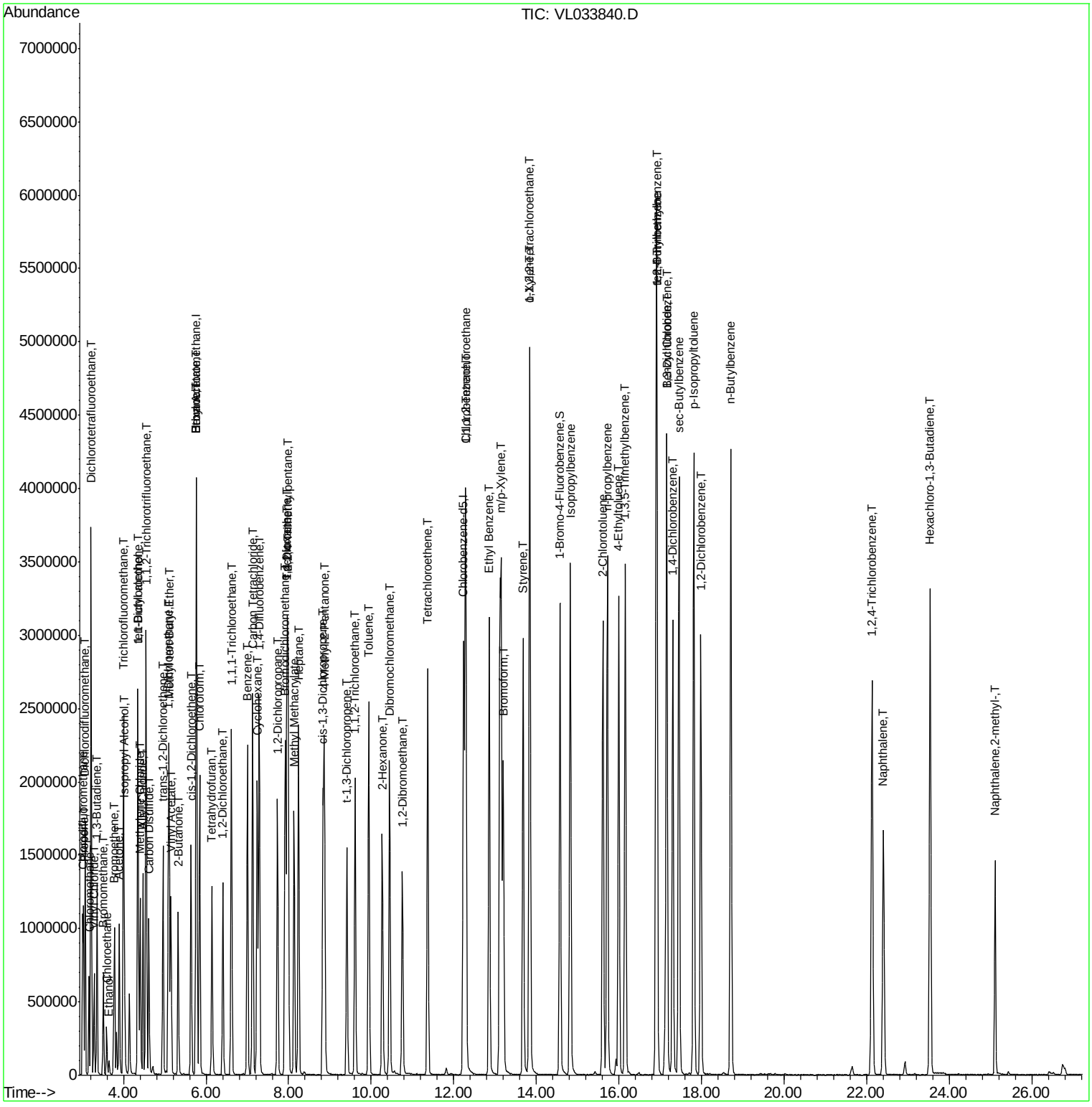
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

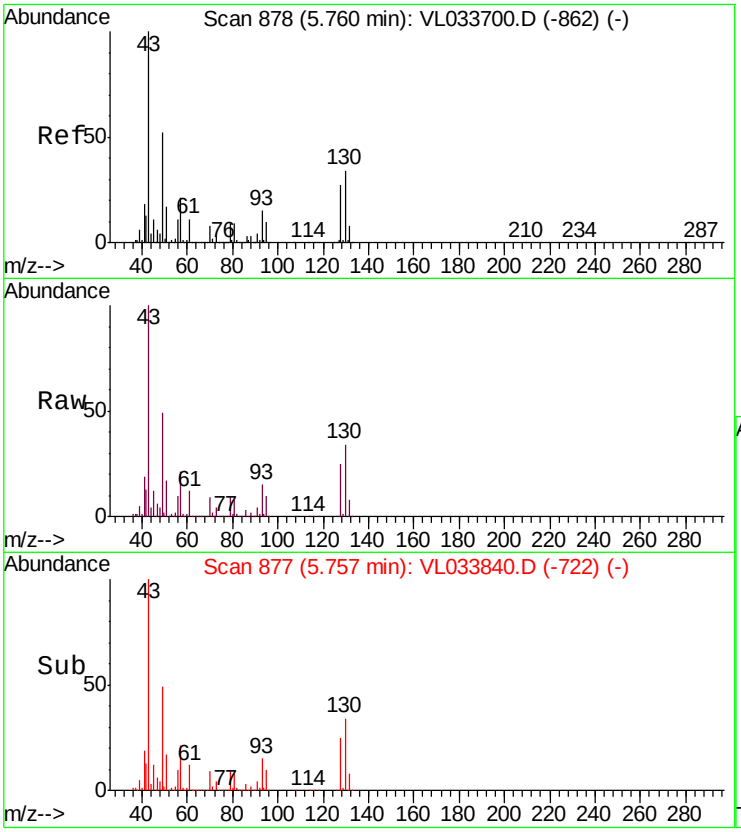
Quantitation Report (Not Reviewed)

Data File : VL033840.D
Acq On : 29 May 2019 16:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: May 30 02:10:01 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



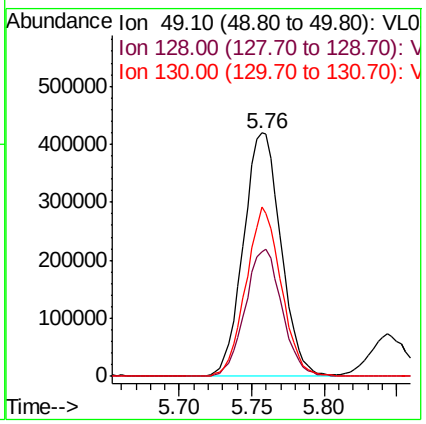


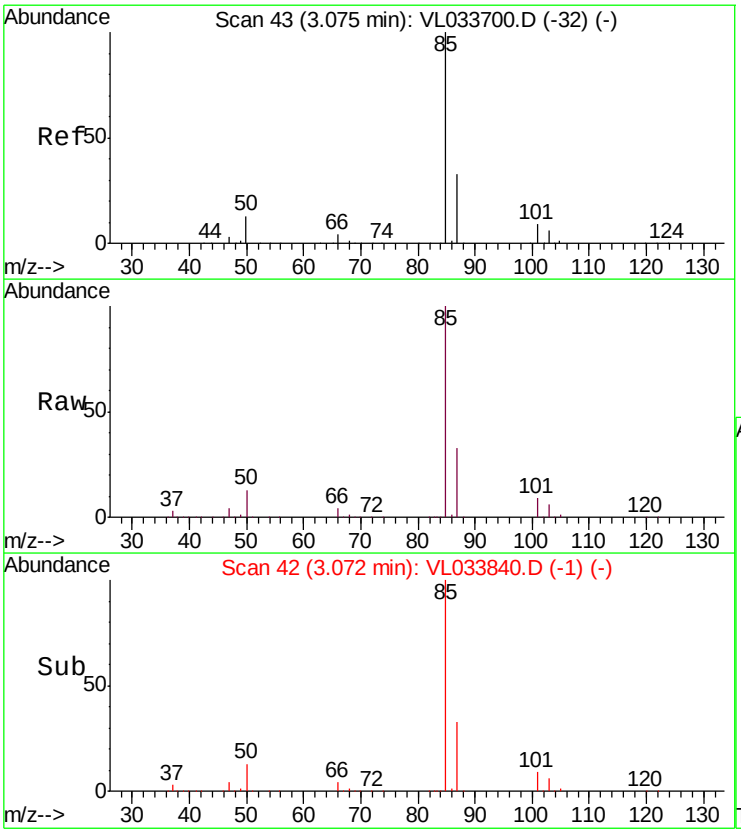
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 756427

Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.2	75.6
130	65.4	32.5	97.5

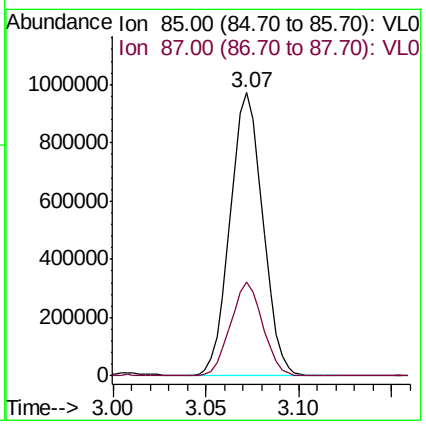


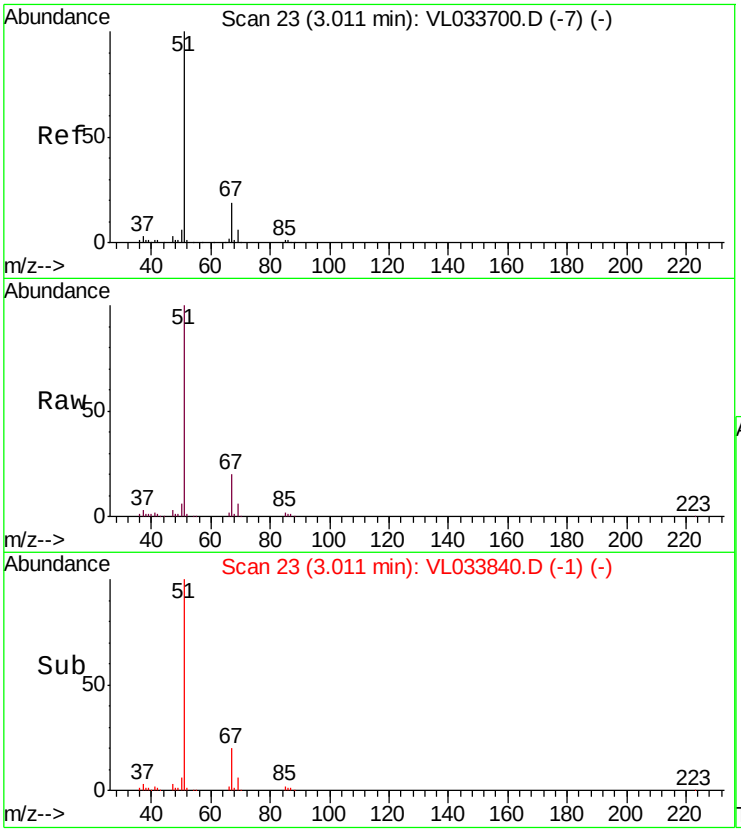


#2
Dichlorodifluoromethane
Concen: 7.485 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 85 Resp: 1193166

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.3	39.5



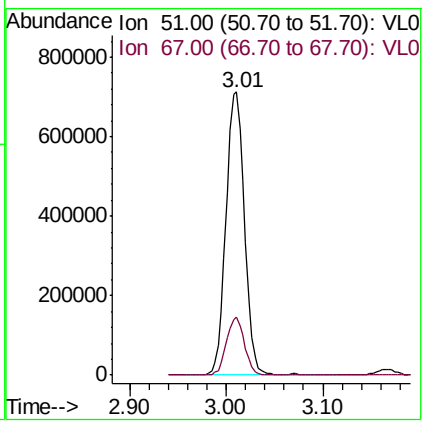


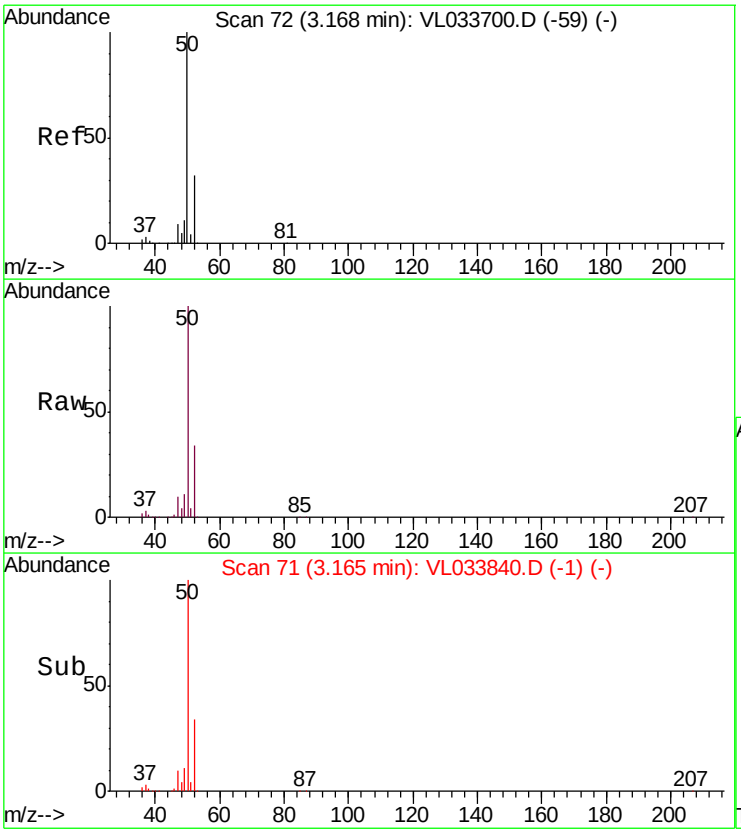
#3
Chlorodifluoromethane
Concen: 10.950 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 948792

Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.6	23.4

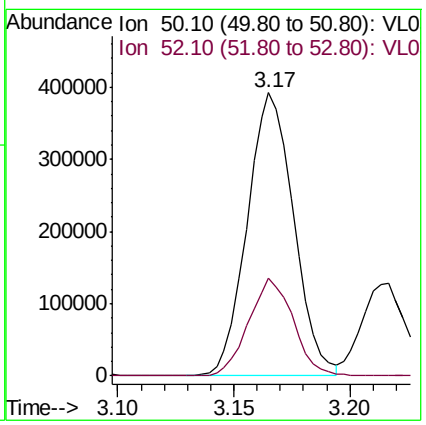


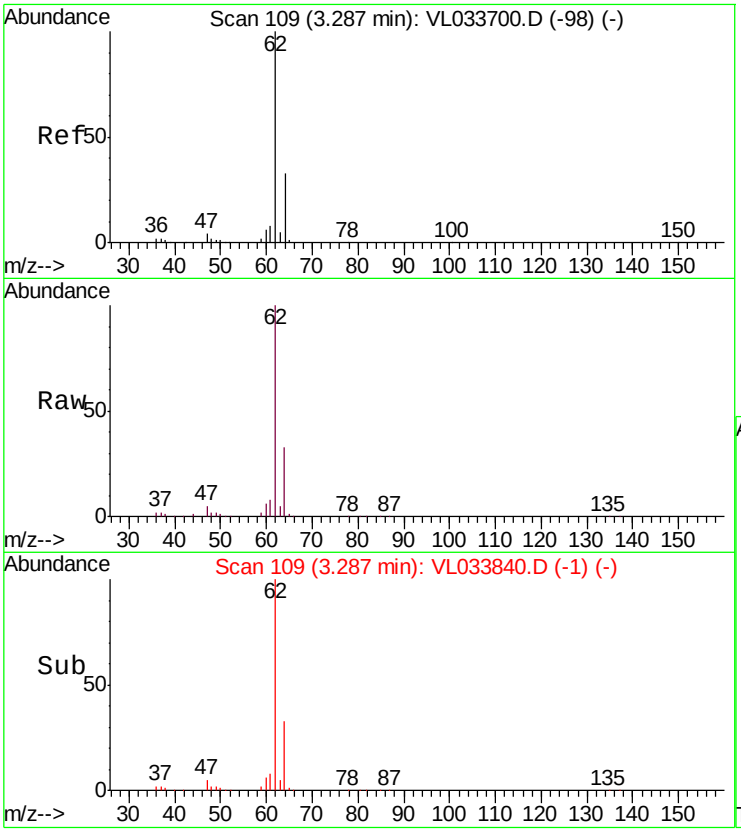


#4
Chloromethane
Concen: 11.020 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 50 Resp: 546127

Ion	Ratio	Lower	Upper
50	100		
52	34.5	25.7	38.5



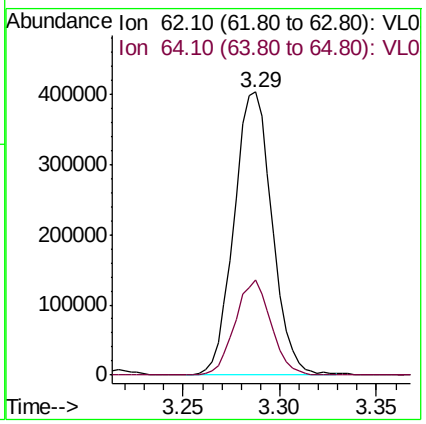


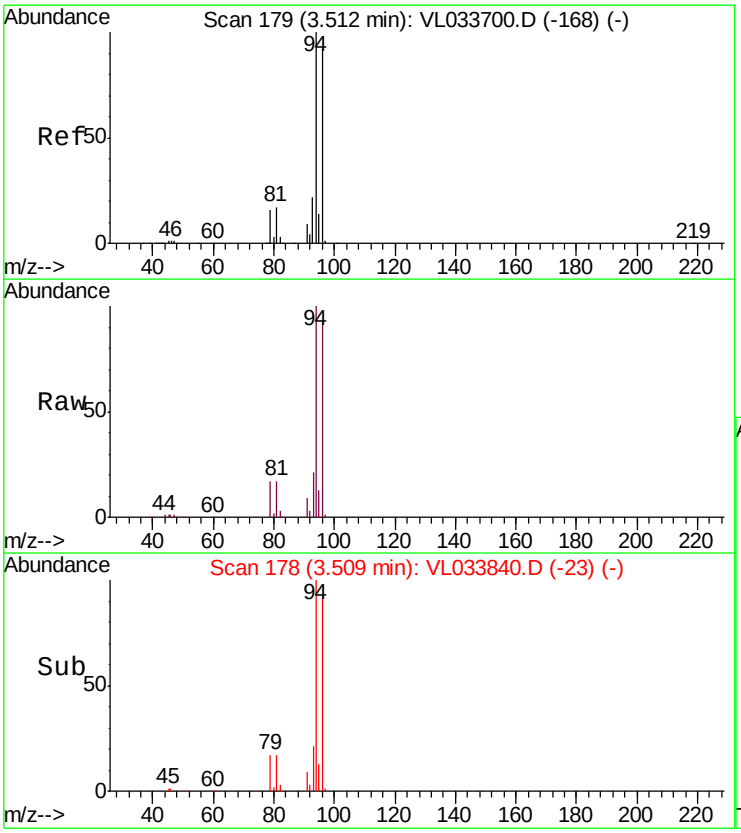
#5
Vinyl Chloride
Concen: 10.939 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 552229

Ion	Ratio	Lower	Upper
62	100		
64	33.4	26.4	39.6

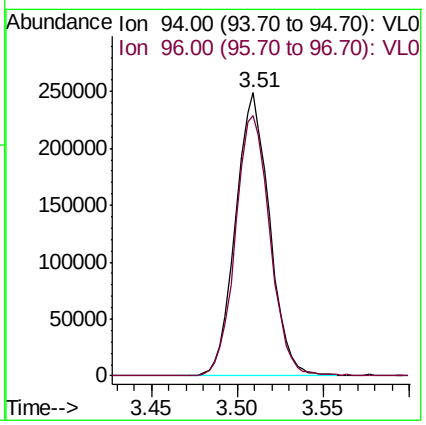


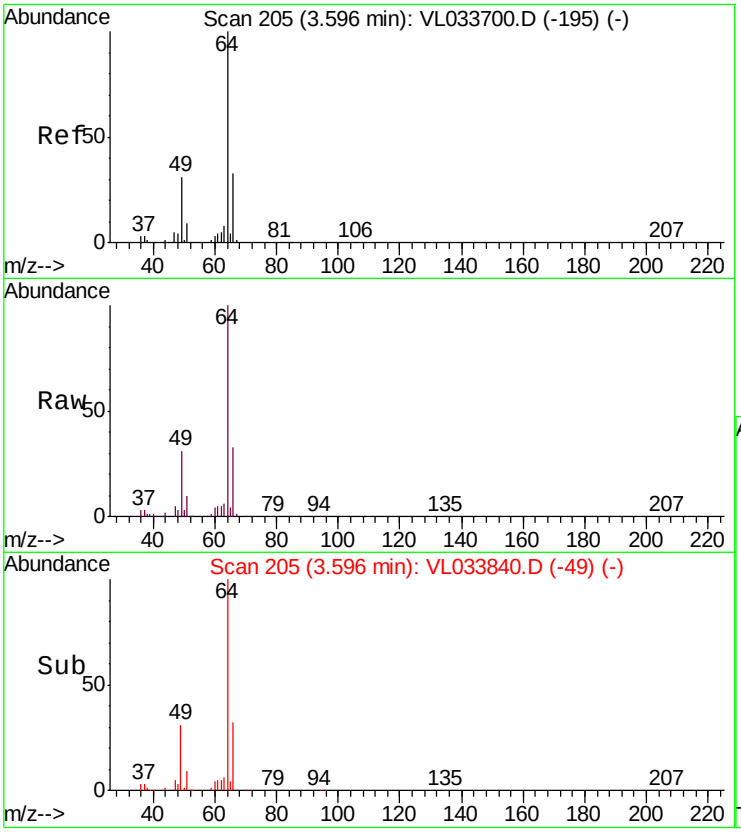


#6
Bromomethane
Concen: 11.050 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 94 Resp: 340384

Ion	Ratio	Lower	Upper
94	100		
96	92.2	73.6	110.4



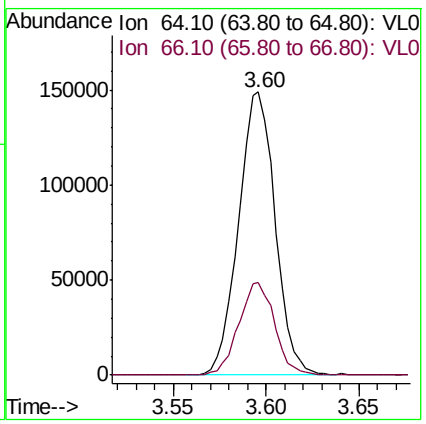


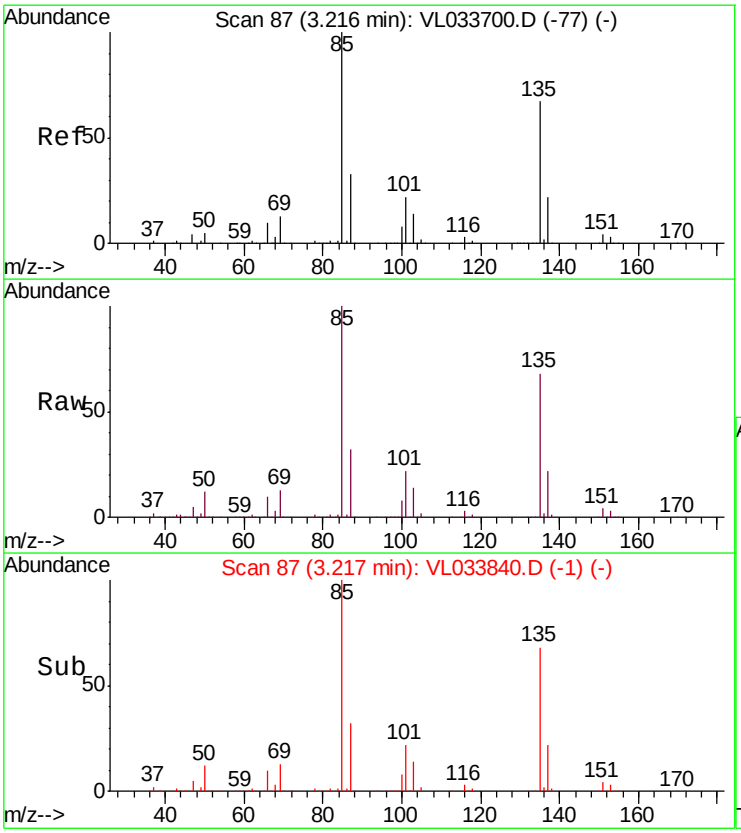
#7
Chloroethane
Concen: 11.399 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 204506

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.6	40.0

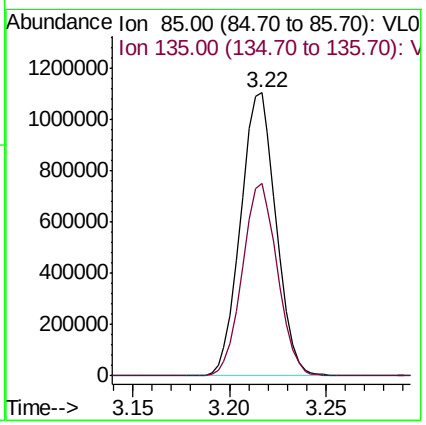


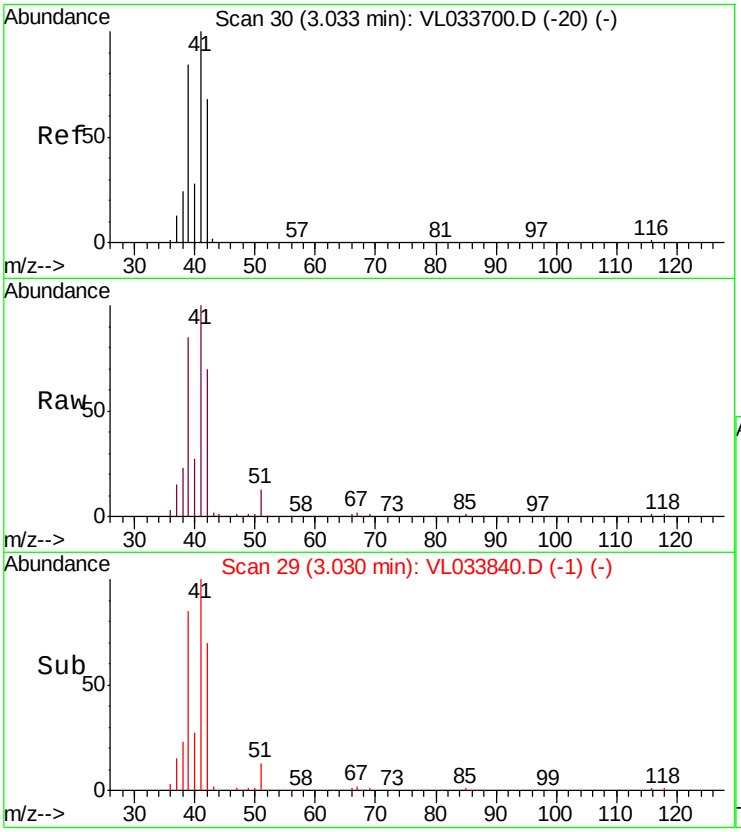


#8
Dichlorotetrafluoroethane
Concen: 10.947 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 85 Resp: 1406888

Ion	Ratio	Lower	Upper
85	100		
135	67.5	54.5	81.7



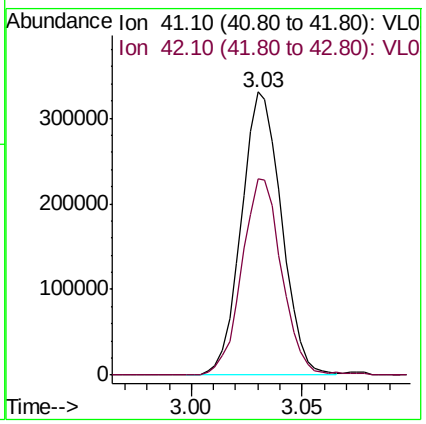


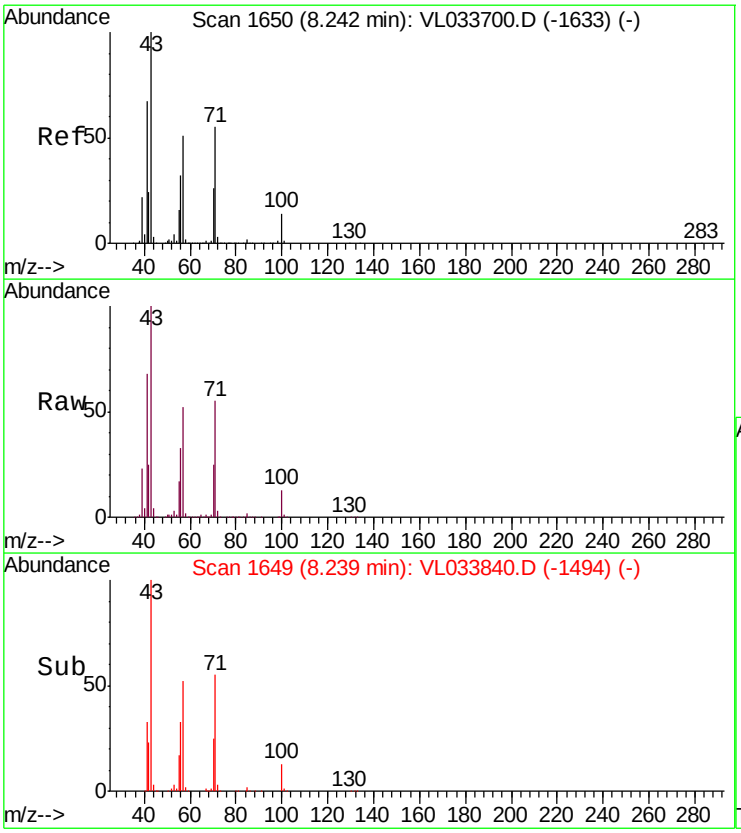
#9
Propene
Concen: 11.315 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 416995

Ion	Ratio	Lower	Upper
41	100		
42	69.5	56.1	84.1

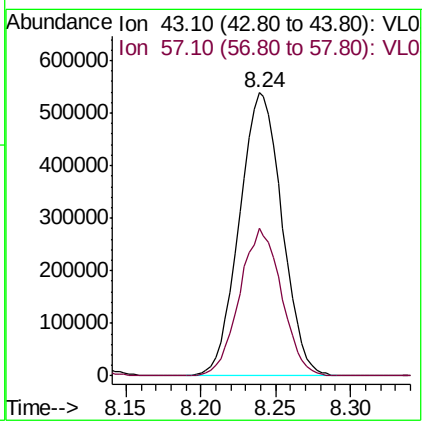


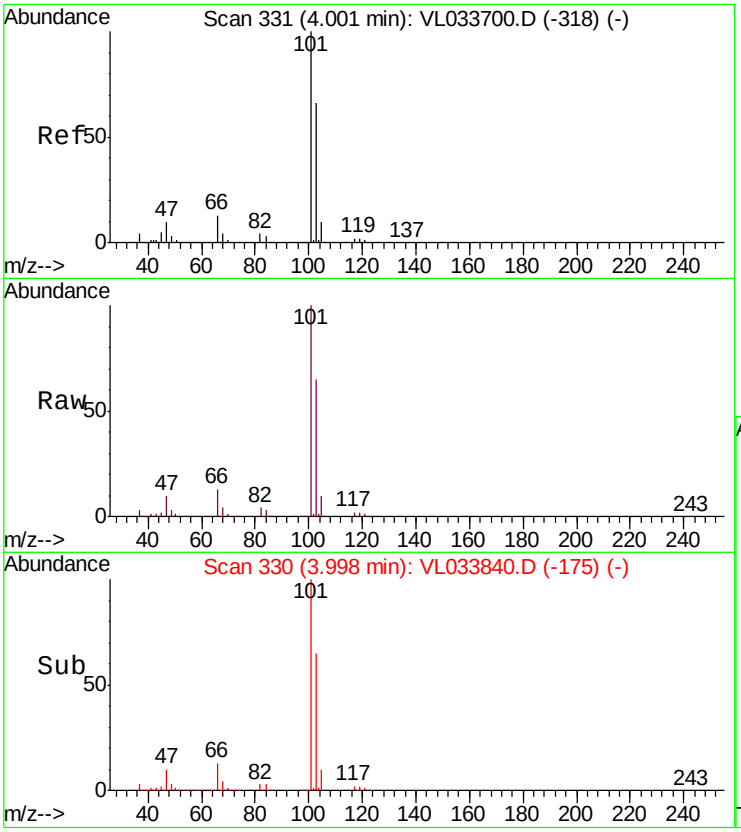


#10
Heptane
Concen: 10.172 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 43 Resp: 1061613

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.4	62.0



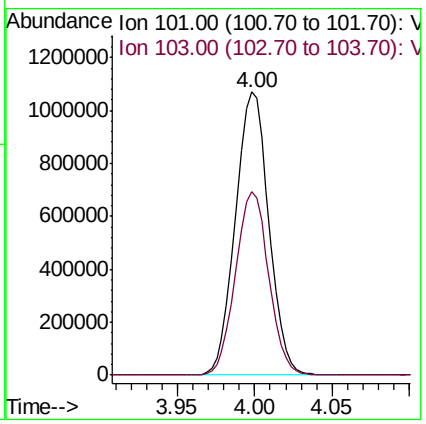


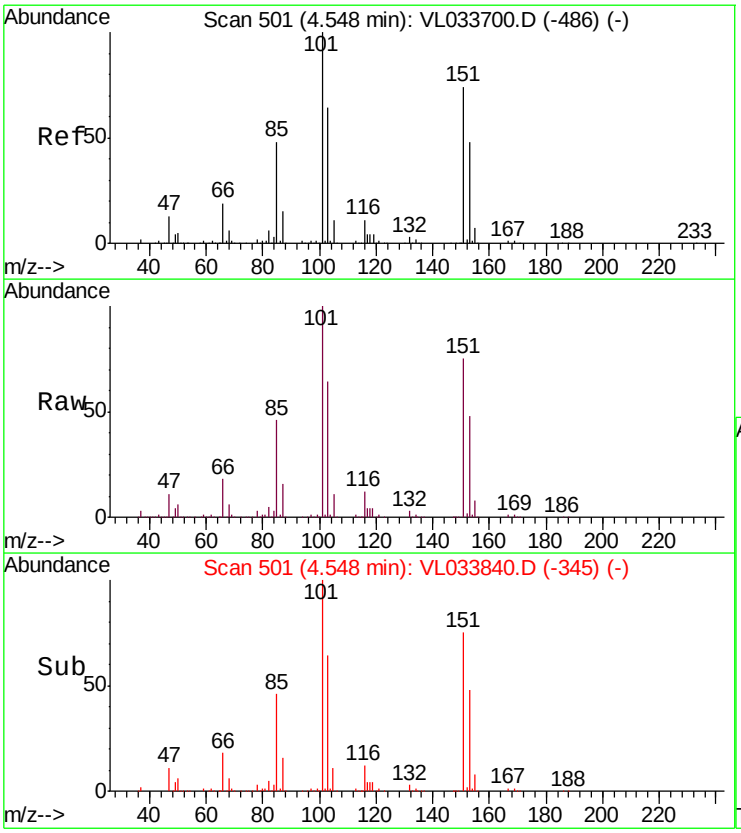
#11
Trichlorofluoromethane
Concen: 10.552 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1605461

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

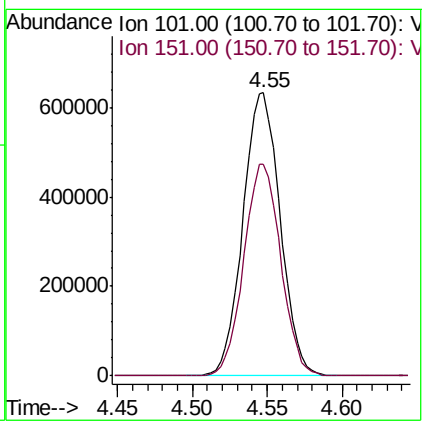


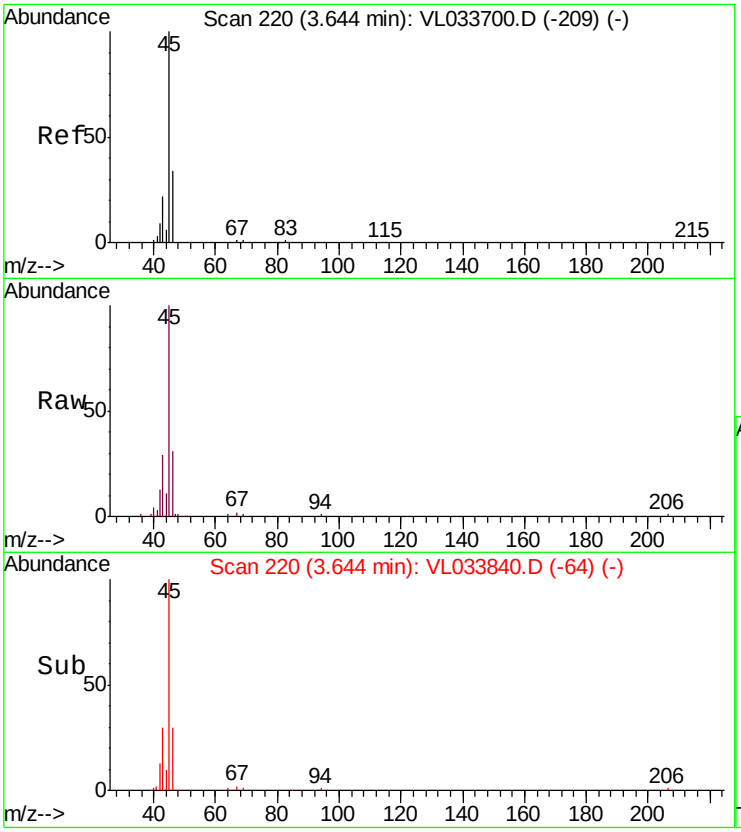


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.318 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:101 Resp: 1096289

Ion	Ratio	Lower	Upper
101	100		
151	74.3	58.2	87.4



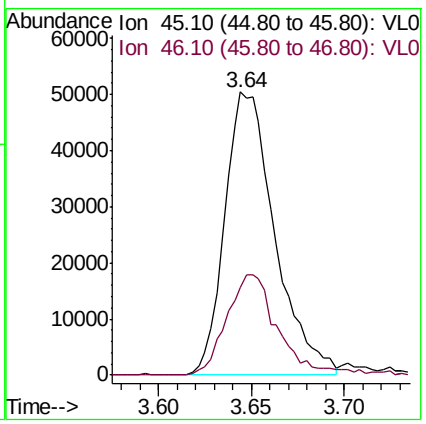


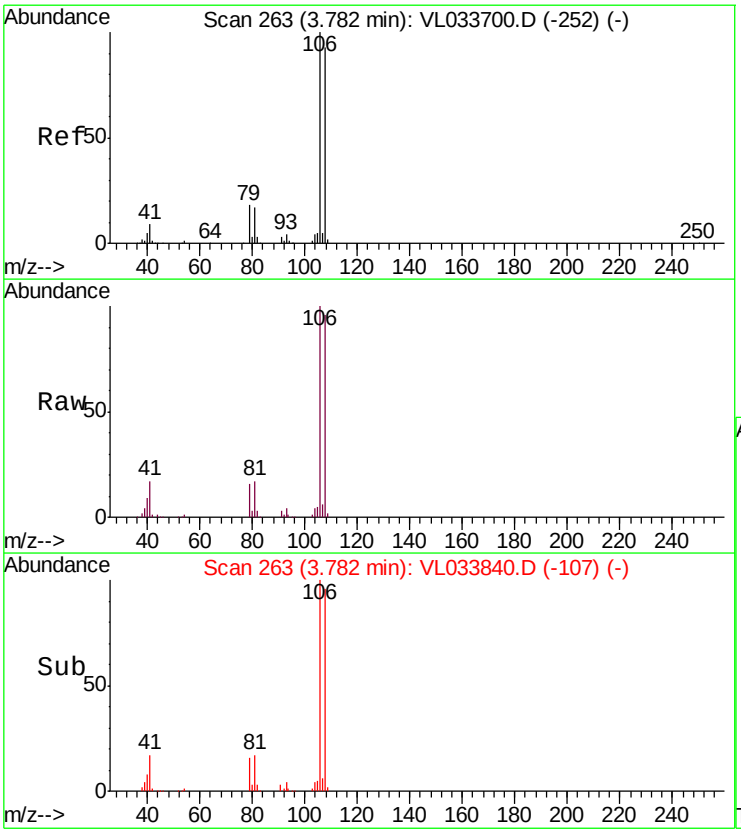
#13
Ethanol
Concen: 7.937 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 94548

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.8	59.0

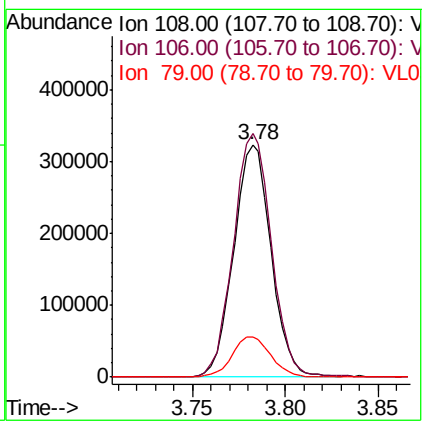


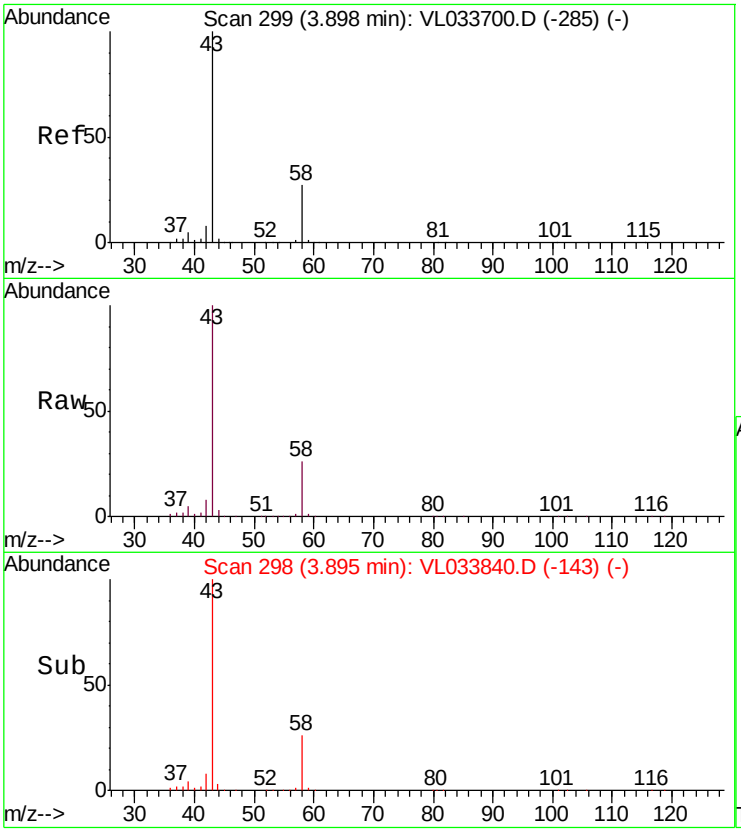


#14
Bromoethene
Concen: 11.620 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:108 Resp: 453875

Ion	Ratio	Lower	Upper
108	100		
106	106.8	86.5	129.7
79	18.1	15.1	22.7



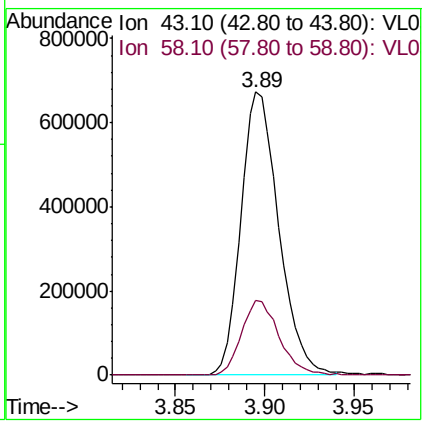


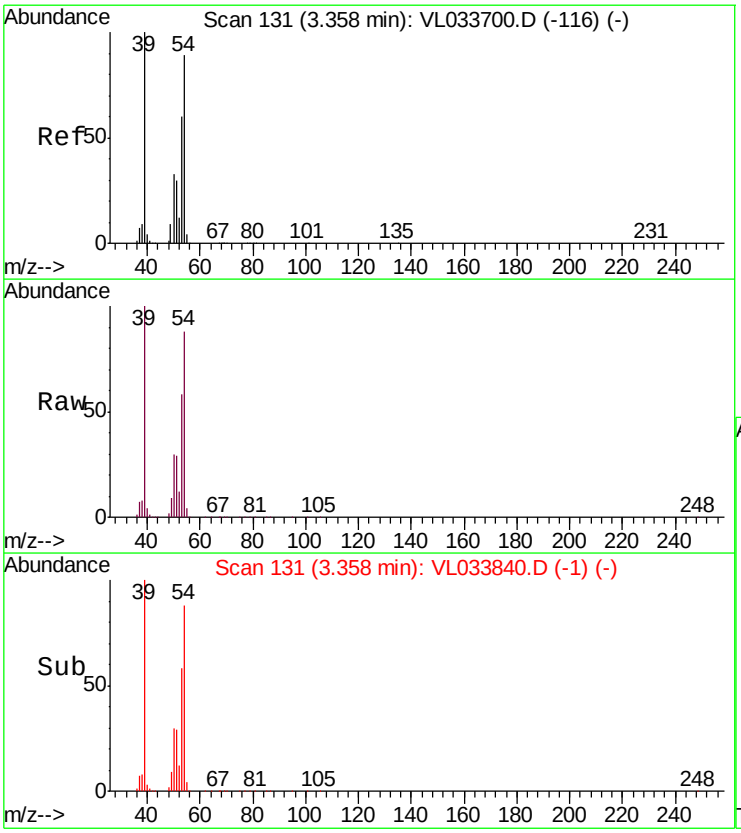
#15
Acetone
Concen: 9.475 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 994406

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.3	31.9

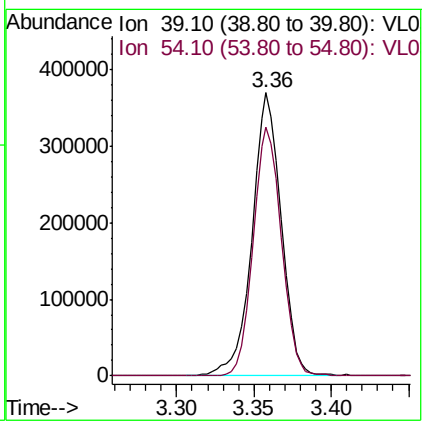


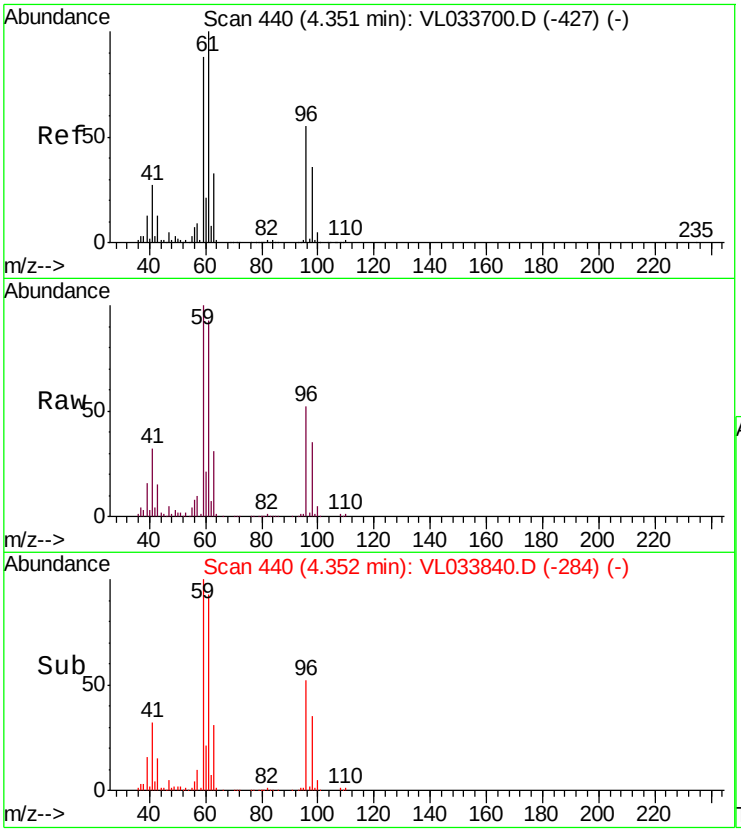


#16
1,3-Butadiene
Concen: 11.696 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 39 Resp: 488812

Ion	Ratio	Lower	Upper
39	100		
54	85.3	69.0	103.6



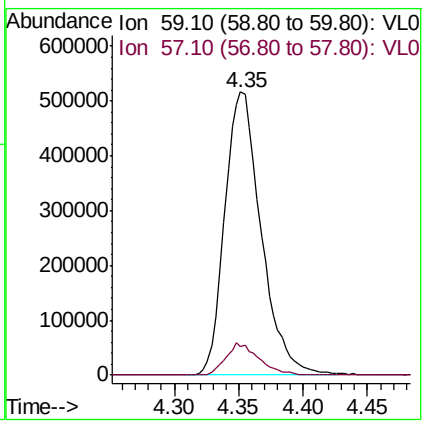


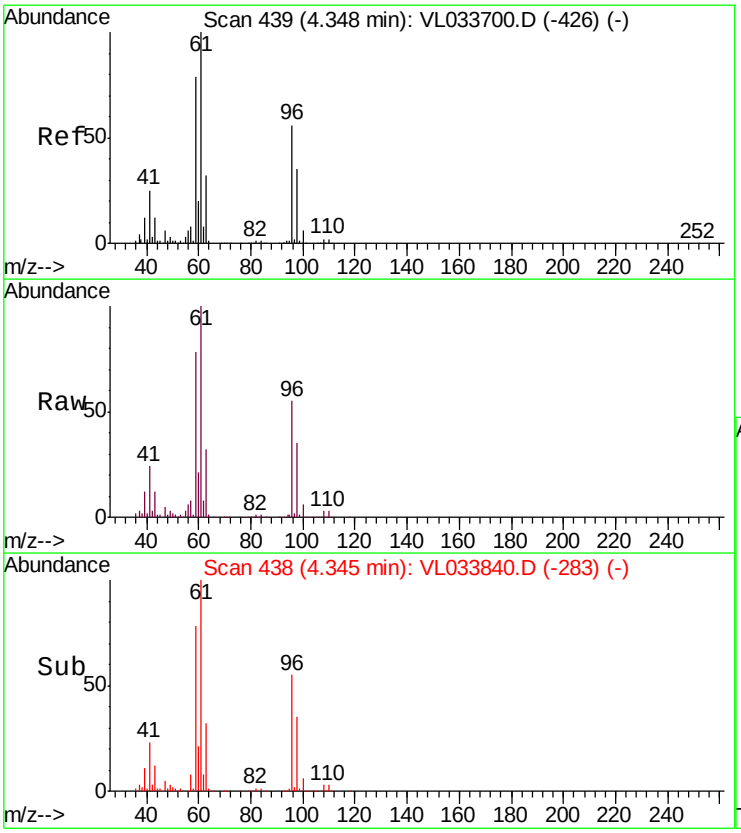
#17
tert-Butyl alcohol
Concen: 11.902 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1010033

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

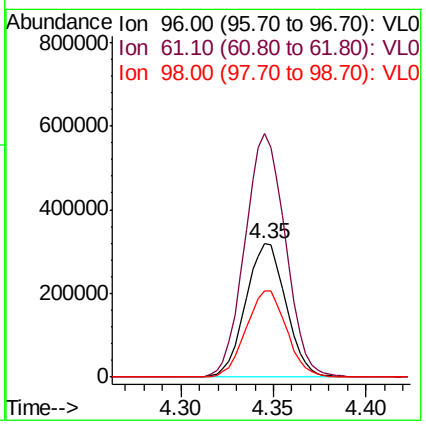


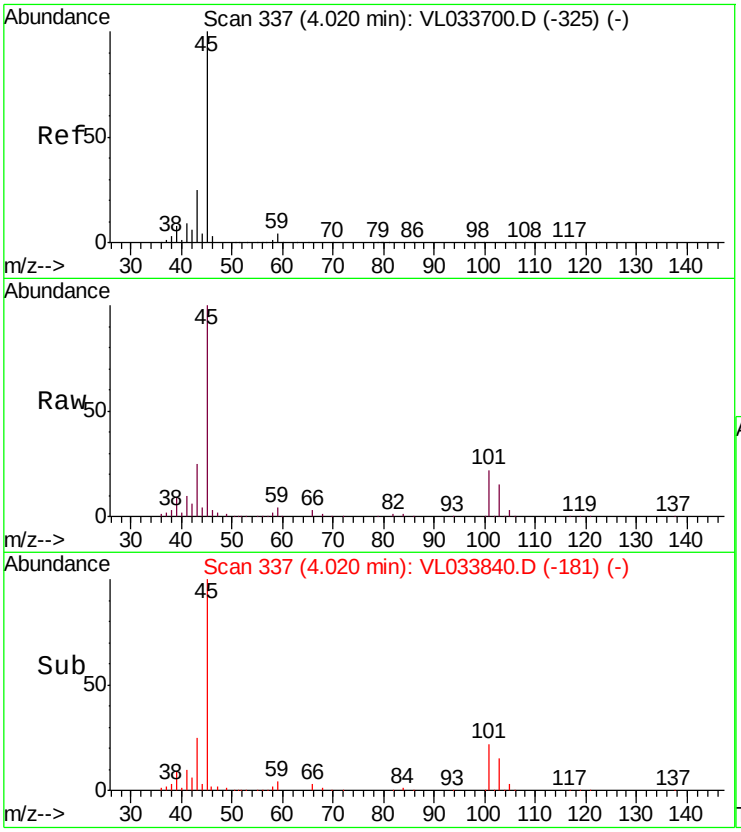


#18
1,1-Dichloroethene
Concen: 10.735 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 96 Resp: 481392

Ion	Ratio	Lower	Upper
96	100		
61	182.9	143.1	214.7
98	64.5	49.5	74.3



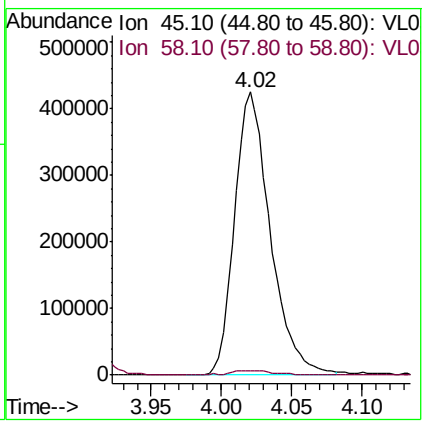


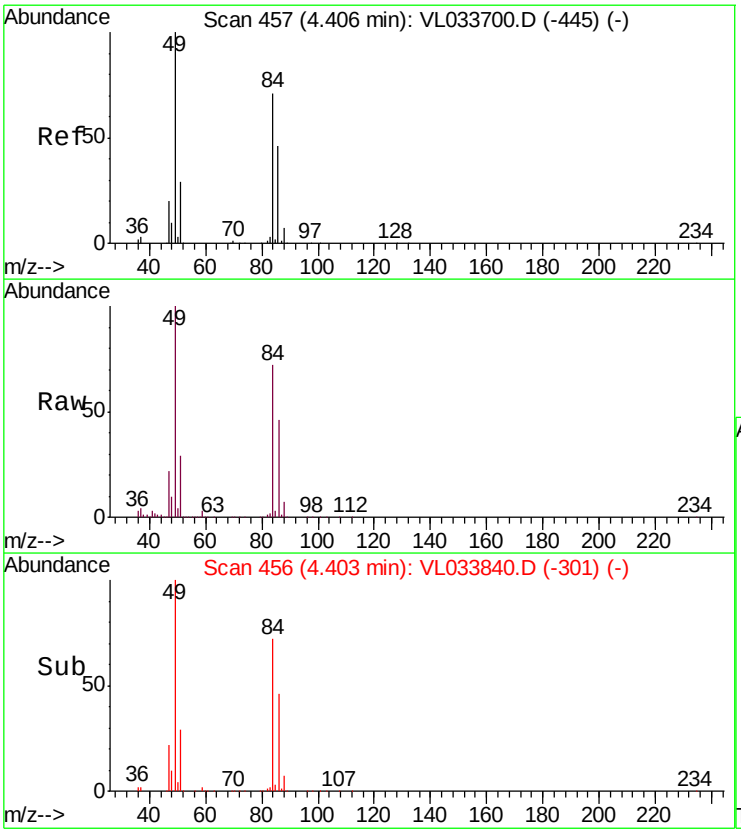
#19
Isopropyl Alcohol
Concen: 11.186 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 756925

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.6	2.4

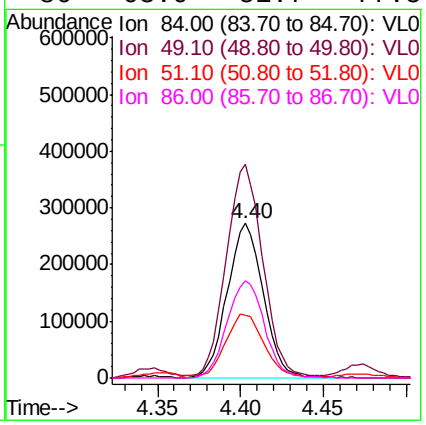


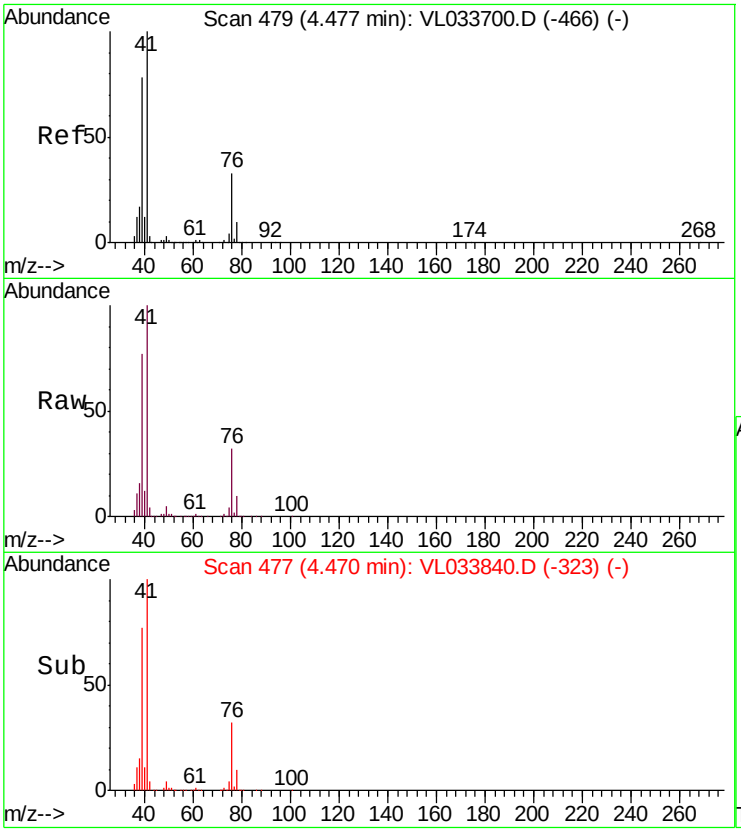


#20
Methylene Chloride
Concen: 10.189 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 84 Resp: 411721

Ion	Ratio	Lower	Upper
84	100		
49	136.7	112.8	169.2
51	39.2	33.4	50.0
86	63.0	51.7	77.5



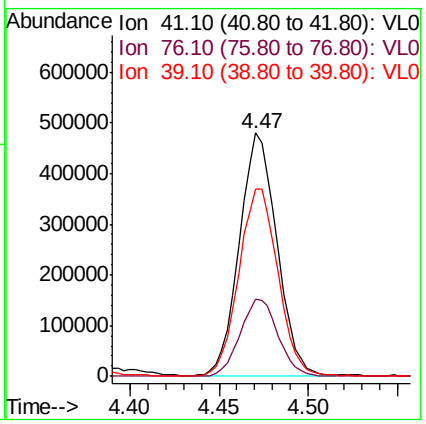


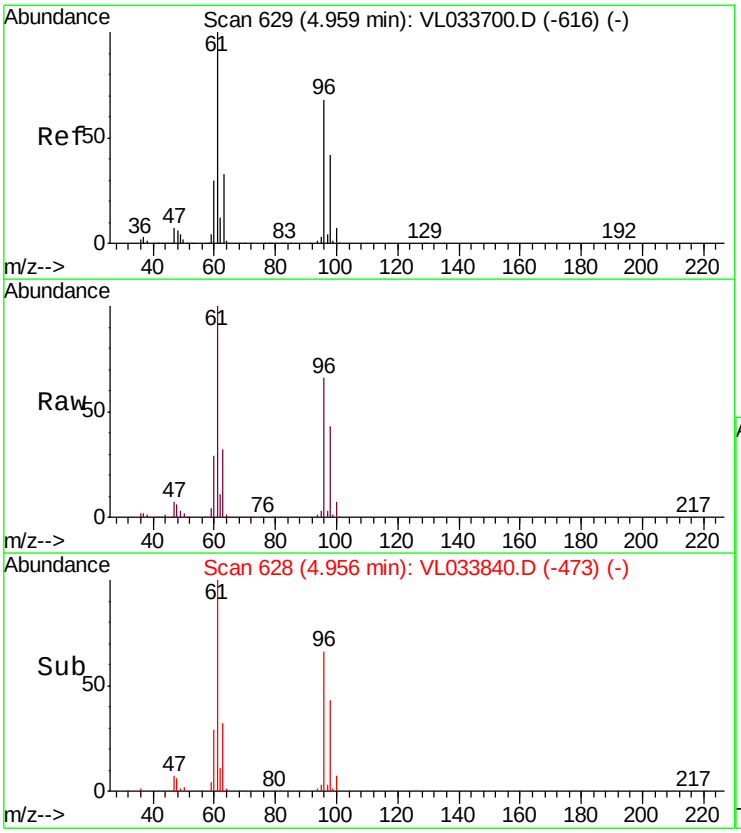
#21
Allyl Chloride
Concen: 10.761 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 704432

Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	80.8	64.6	97.0

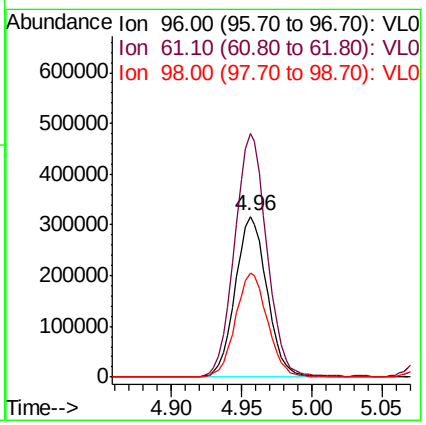


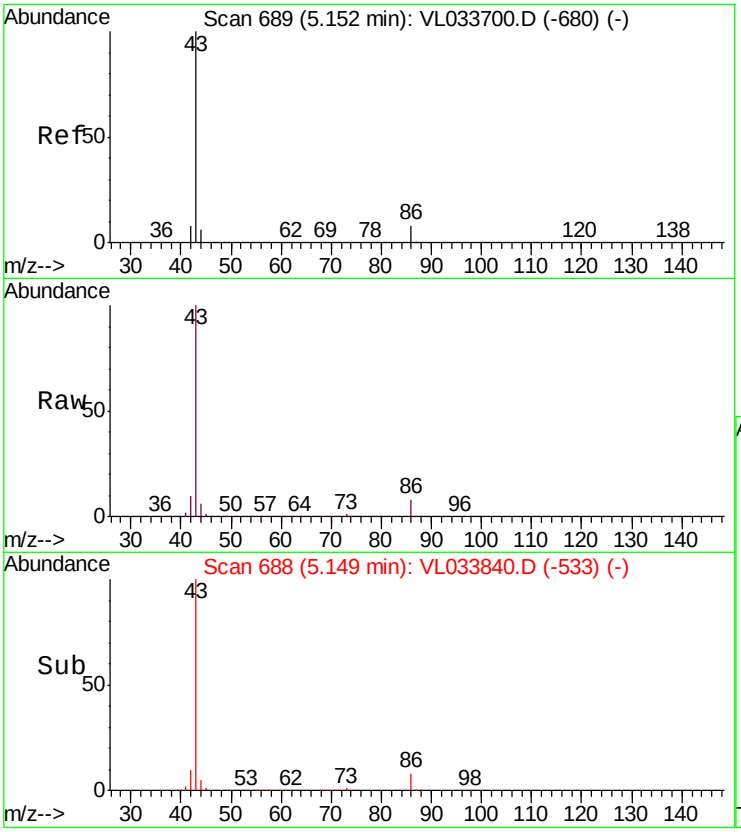


#22
trans-1,2-Dichloroethene
Concen: 10.917 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 96 Resp: 501830

Ion	Ratio	Lower	Upper
96	100		
61	151.4	116.8	175.2
98	65.0	49.4	74.0



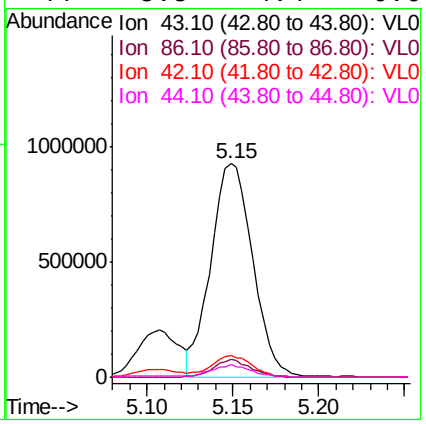


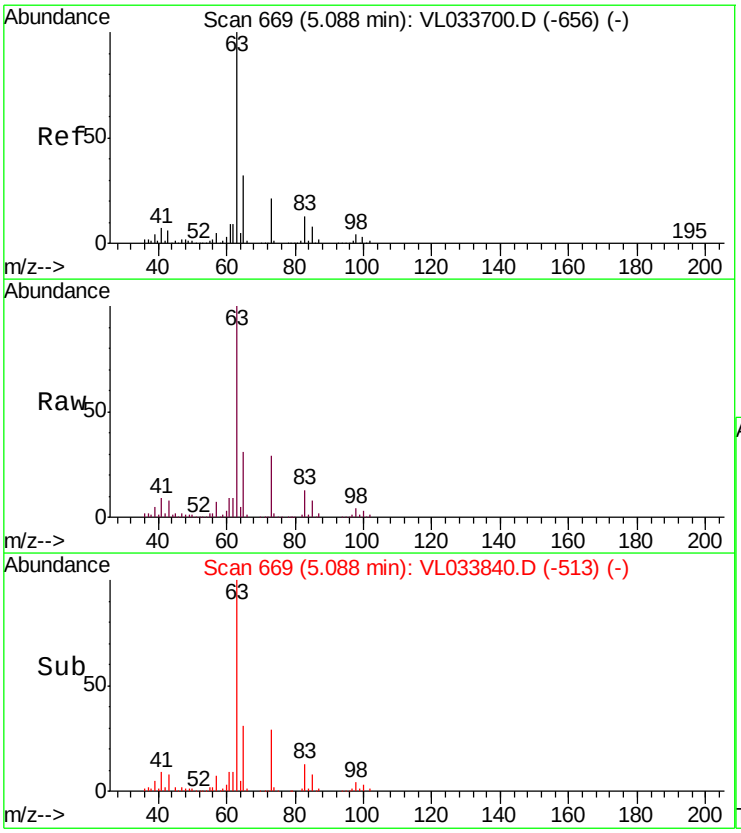
#23
Vinyl Acetate
Concen: 11.339 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1569074

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.0	9.0
42	10.3	7.5	11.3
44	5.5	4.4	6.6

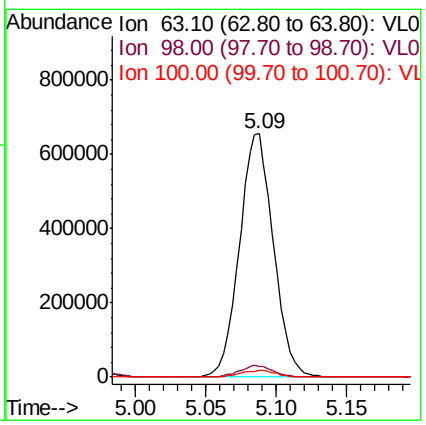


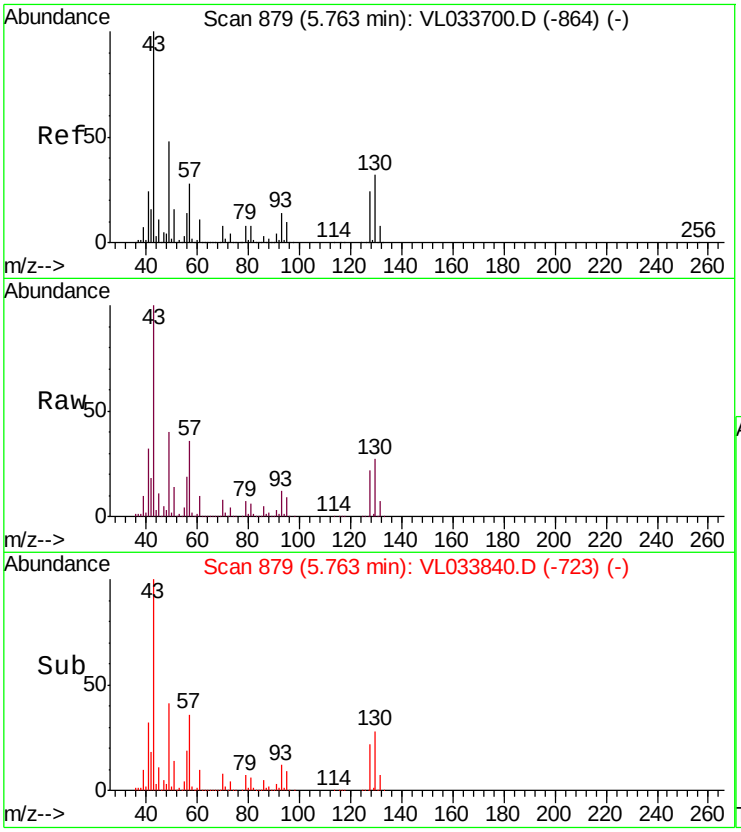


#24
1,1-Dichloroethane
Concen: 10.484 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 63 Resp: 1102787

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	2.9	1.4	4.2



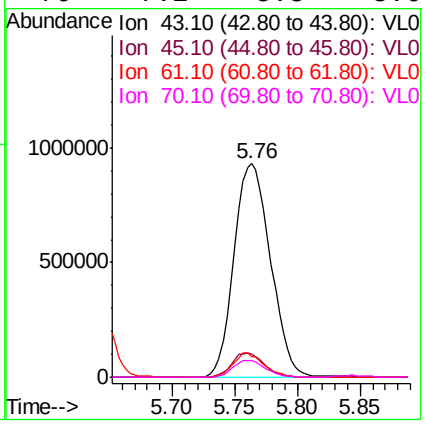


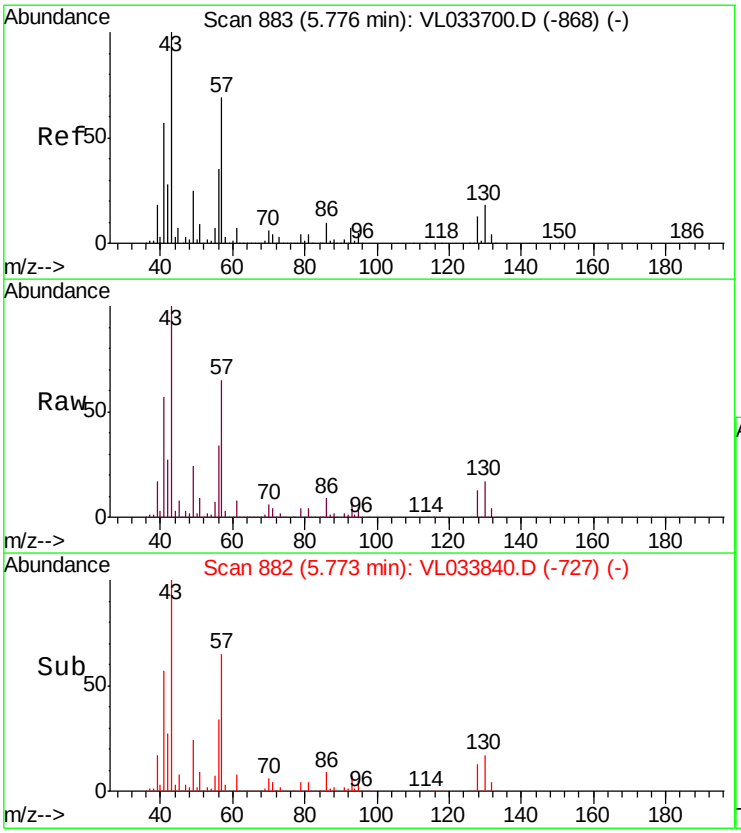
#25
Ethyl Acetate
Concen: 10.214 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1883108

Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	9.7	7.7	11.5
70	7.2	5.8	8.6

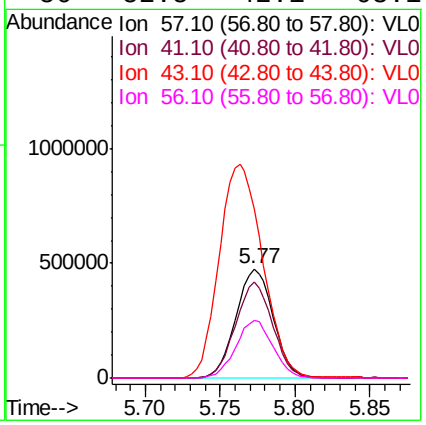


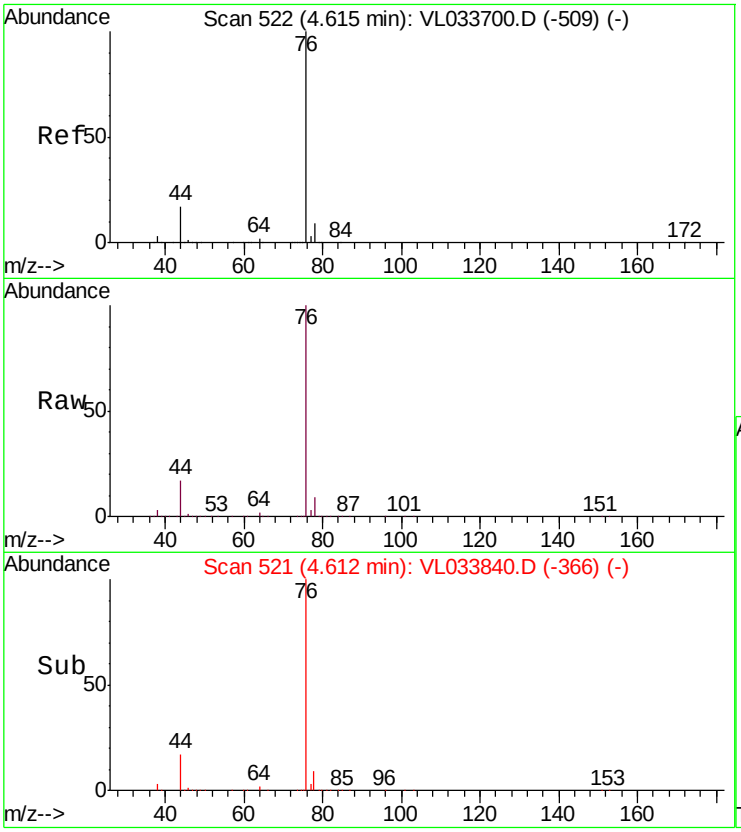


#26
Hexane
Concen: 10.429 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 57 Resp: 826618

Ion	Ratio	Lower	Upper
57	100		
41	87.6	69.8	104.6
43	228.7	181.8	272.6
56	52.5	42.1	63.1



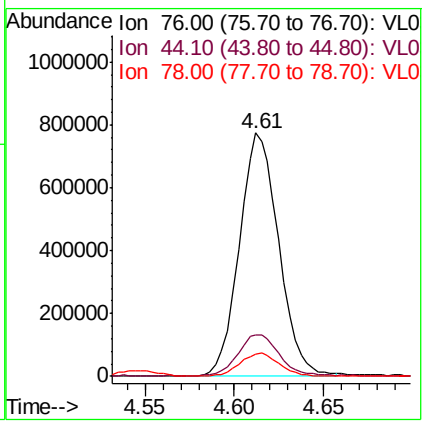


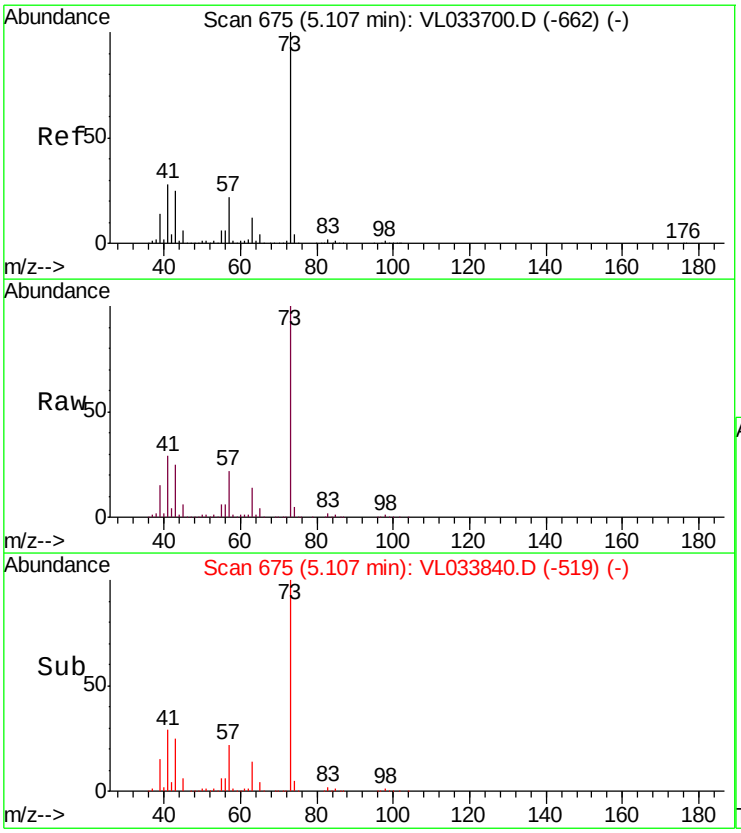
#27
Carbon Disulfide
Concen: 11.015 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1197720

Ion	Ratio	Lower	Upper
76	100		
44	17.9	13.8	20.8
78	9.5	7.4	11.0

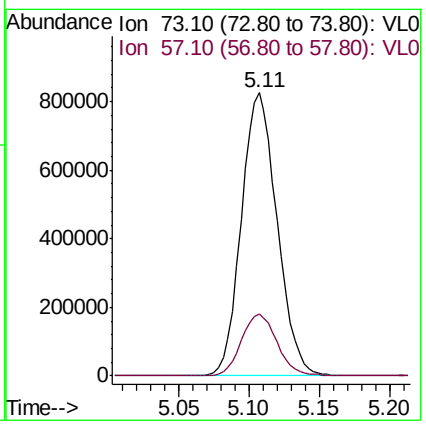


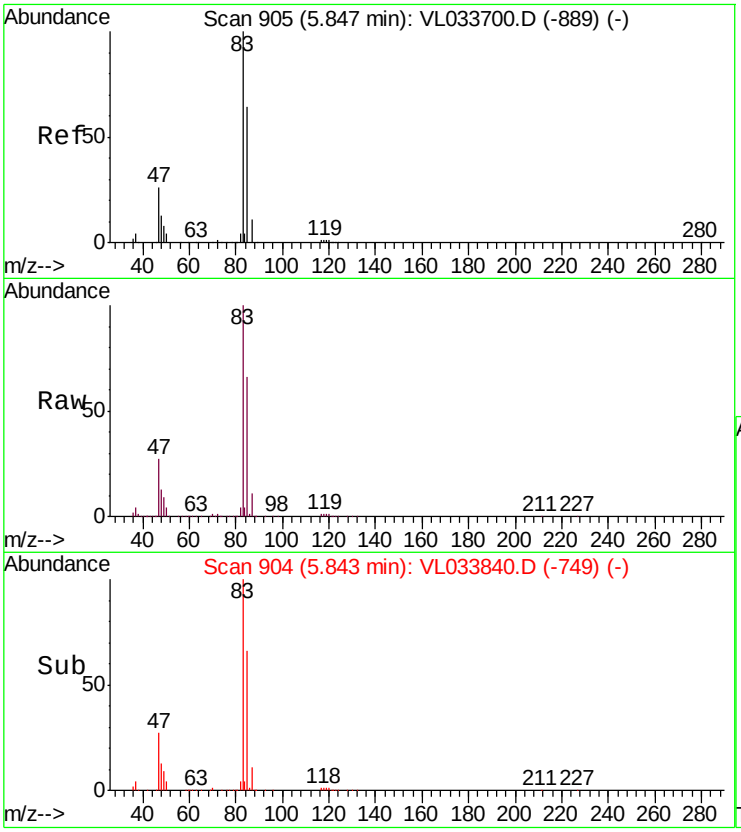


#28
Methyl tert-Butyl Ether
Concen: 11.339 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 73 Resp: 1465114

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2



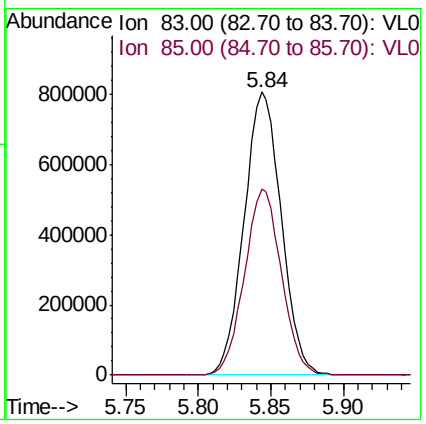


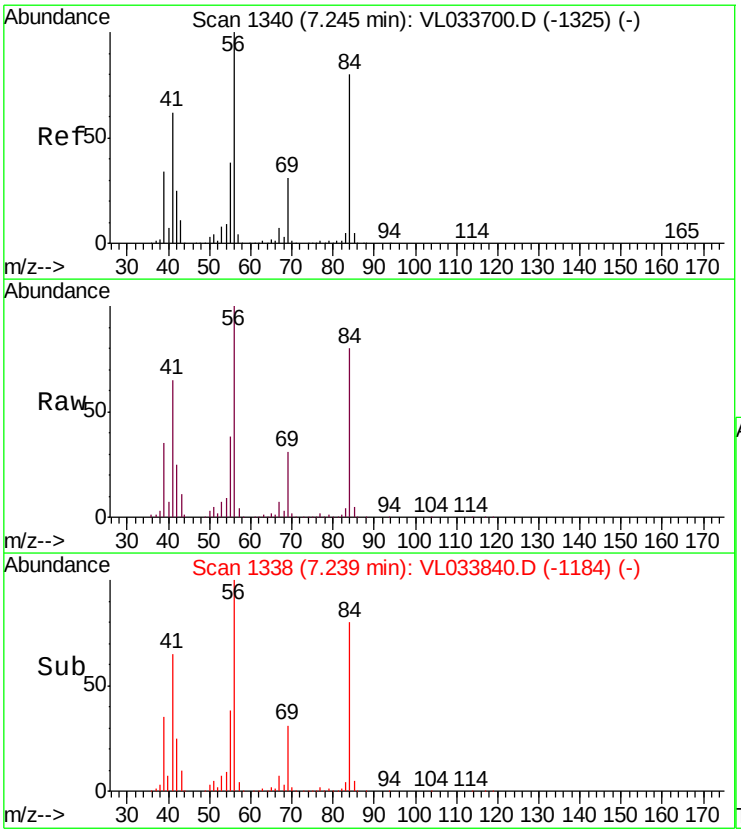
#29
Chloroform
Concen: 9.880 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1442416

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3

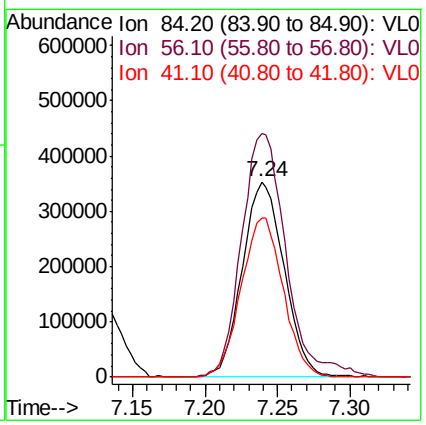


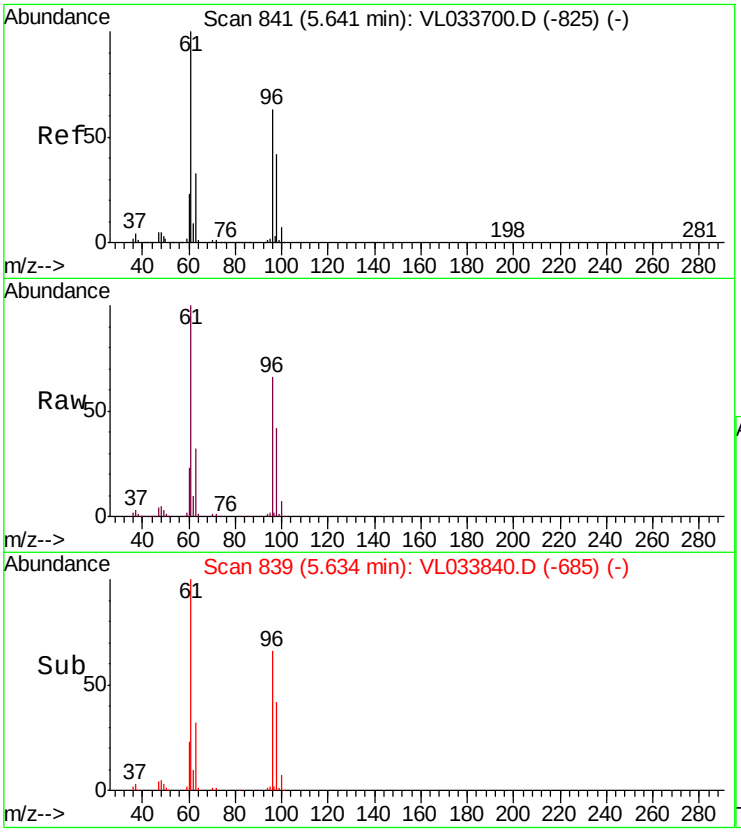


#30
Cyclohexane
Concen: 10.642 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 84 Resp: 709110

Ion	Ratio	Lower	Upper
84	100		
56	133.5	107.7	161.5
41	82.2	66.0	99.0



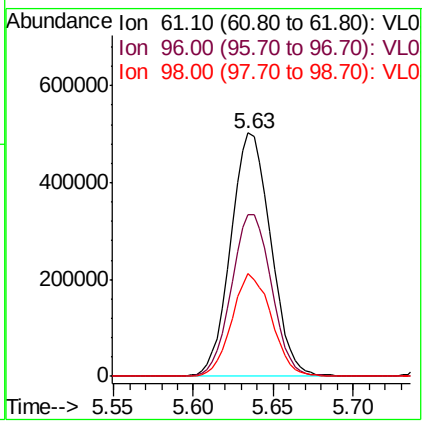


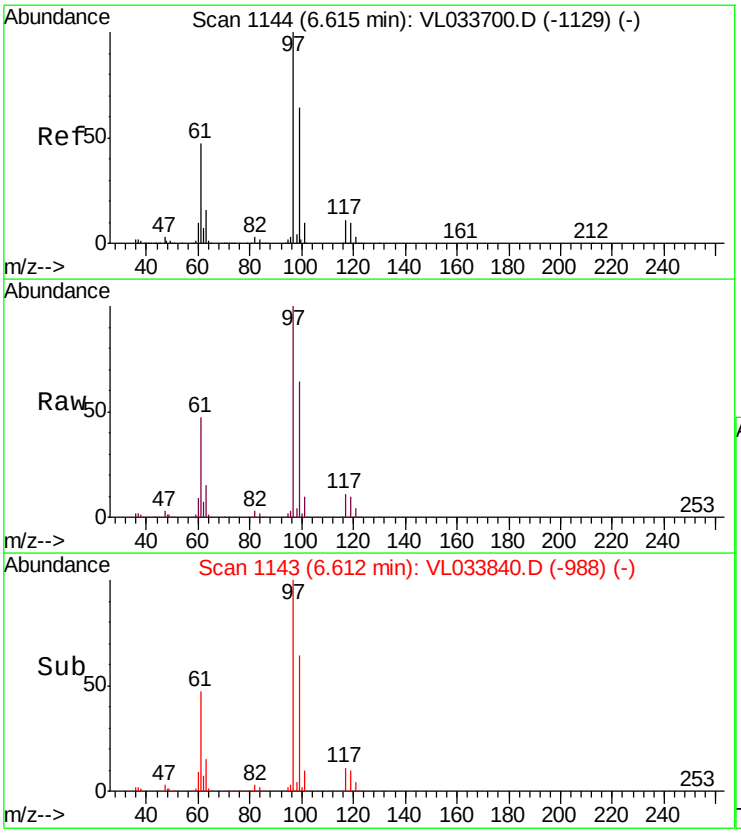
#31
cis-1,2-Dichloroethene
Concen: 10.880 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 855012

Ion	Ratio	Lower	Upper
61	100		
96	66.5	50.8	76.2
98	42.2	33.3	49.9

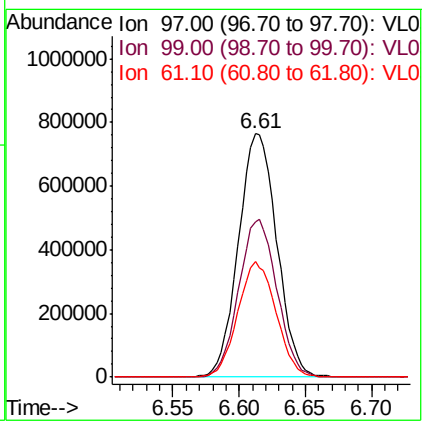


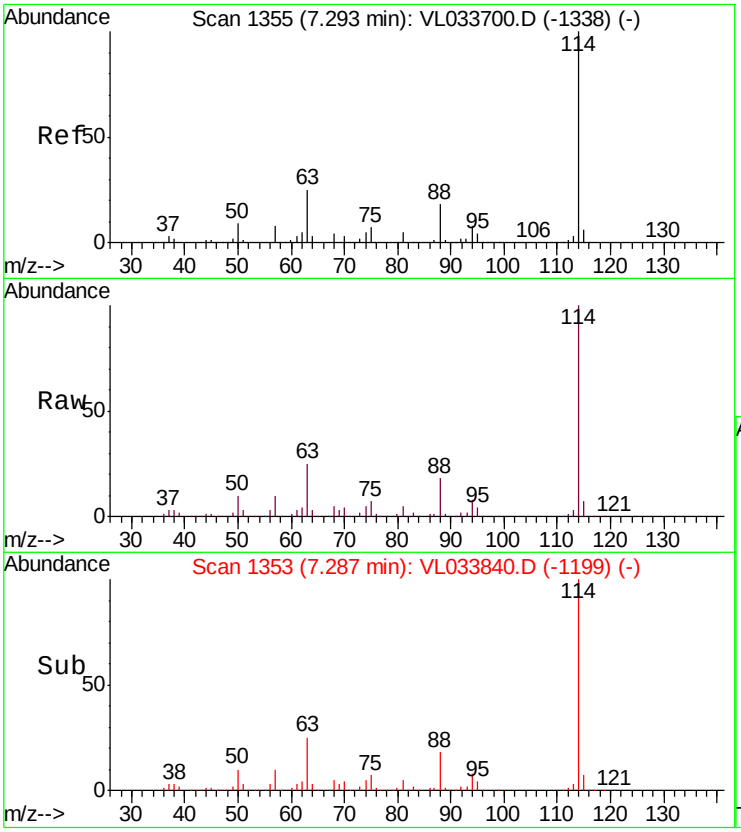


#32
1,1,1-Trichloroethane
Concen: 10.580 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 97 Resp: 1542234

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	47.2	37.8	56.8



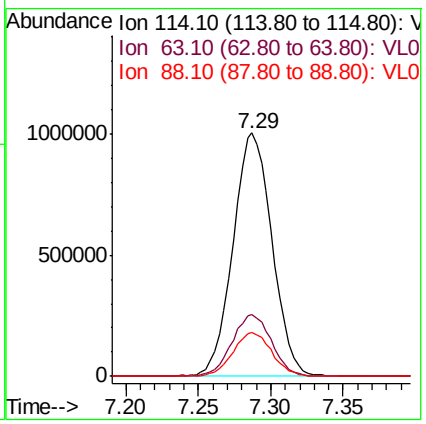


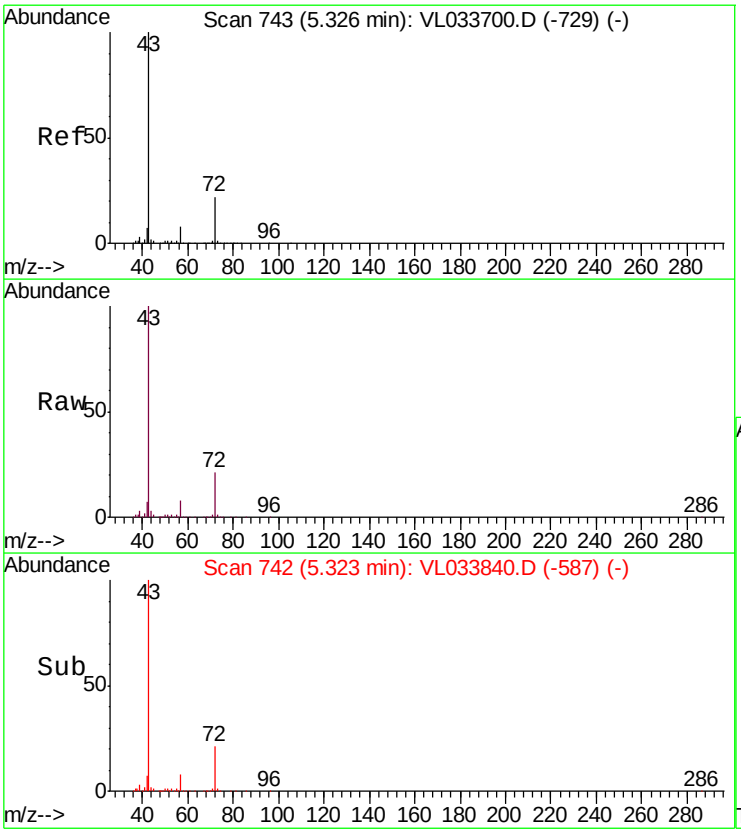
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1877870

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.9	31.3
88	18.0	14.3	21.5

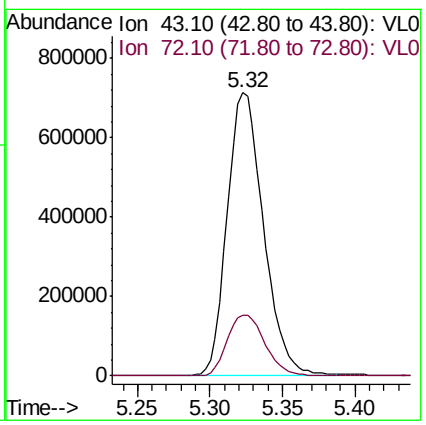


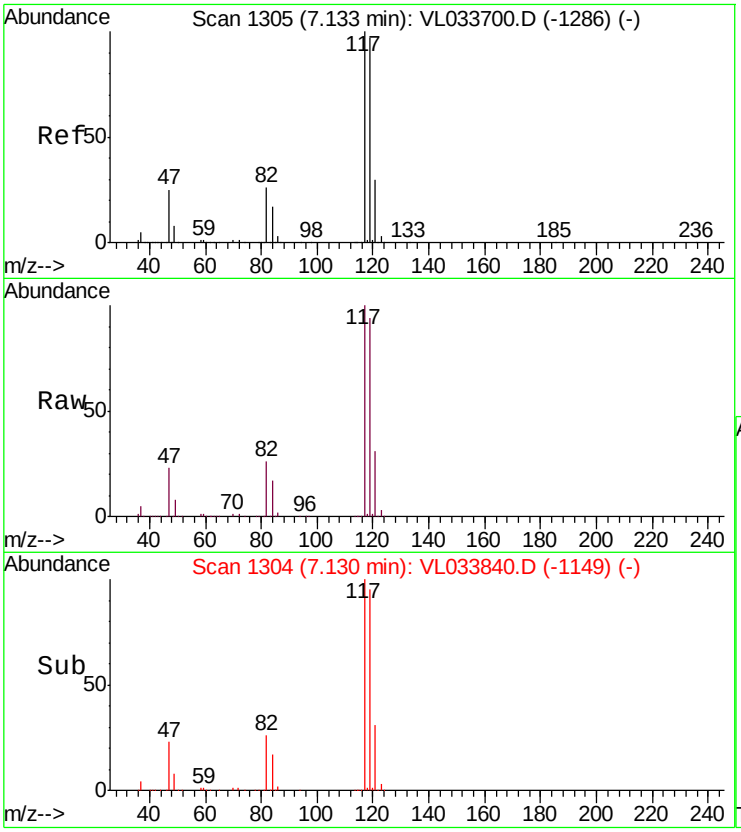


#34
2-Butanone
Concen: 10.641 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 43 Resp: 1238565

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.6



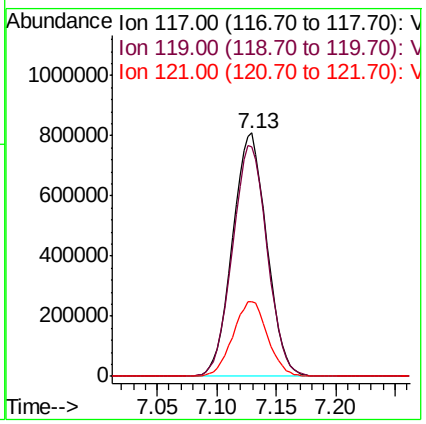


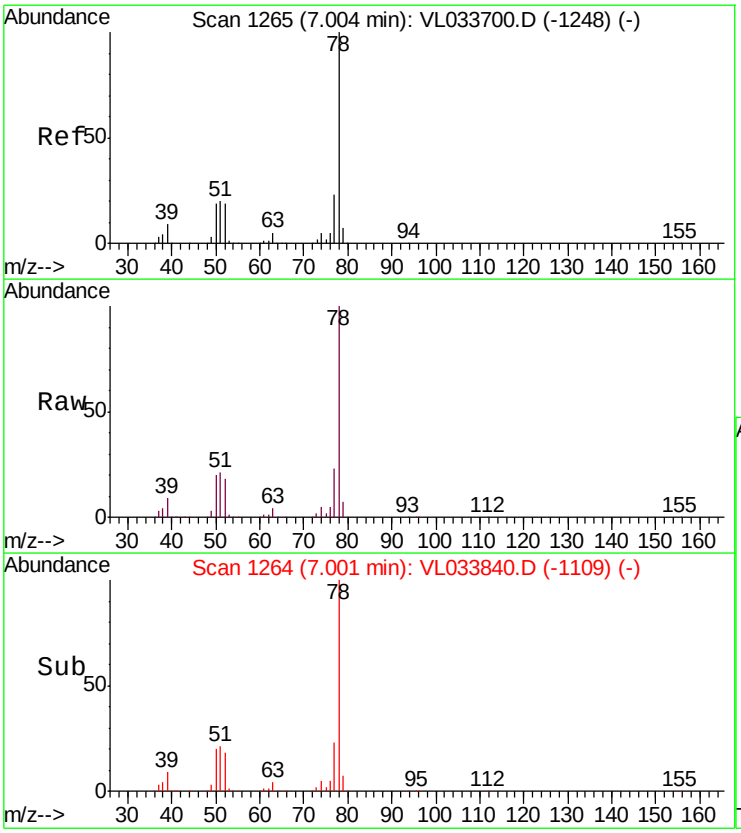
#35
Carbon Tetrachloride
Concen: 10.737 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1615079

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	30.6	24.1	36.1

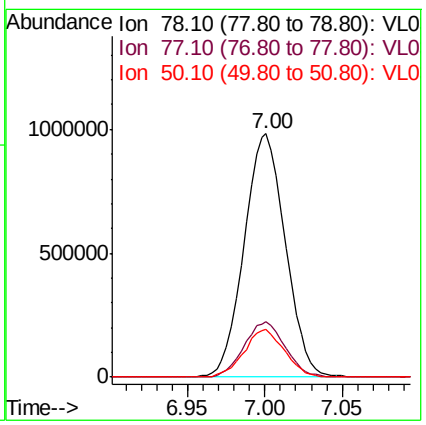


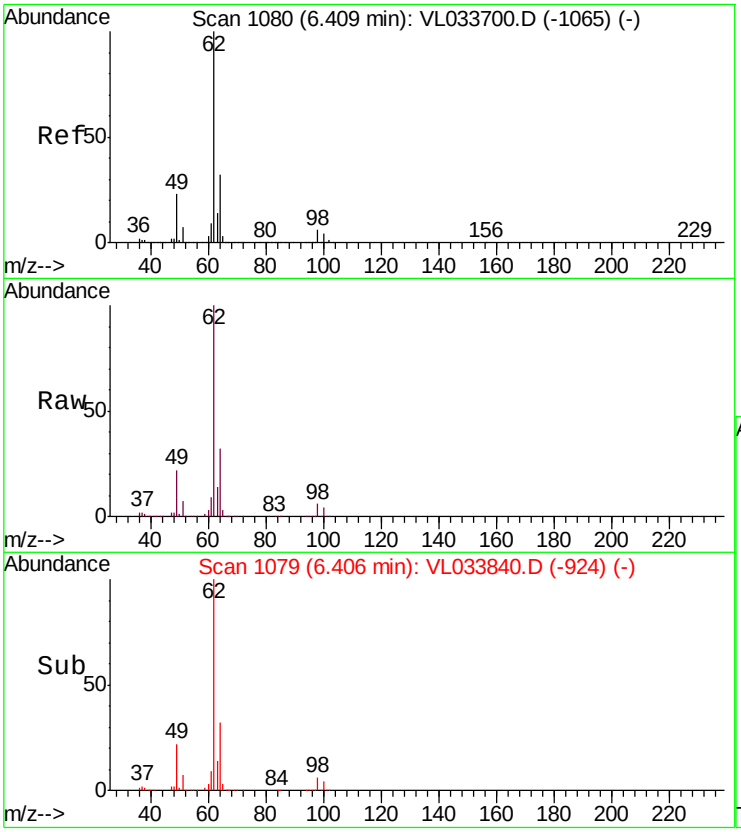


#36
Benzene
Concen: 10.657 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 78 Resp: 1820442

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6
50	19.7	15.5	23.3



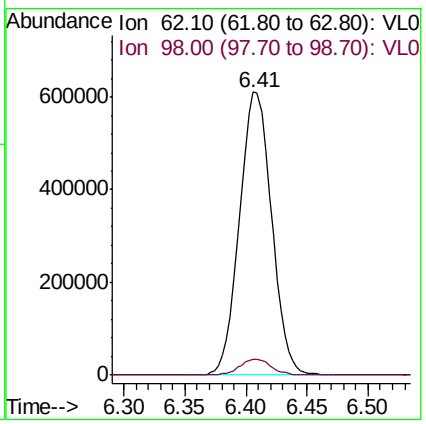


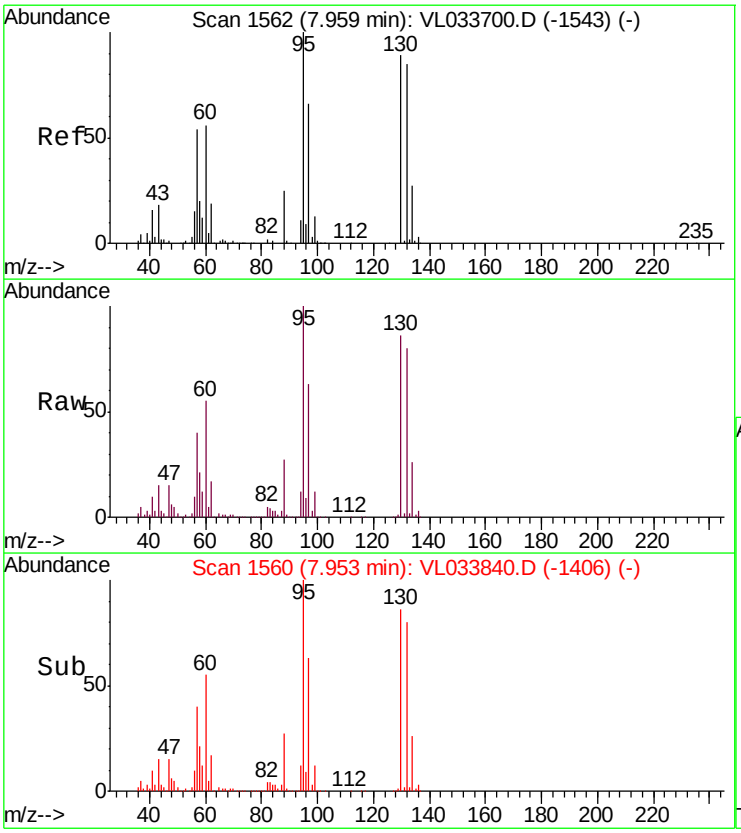
#37
1,2-Dichloroethane
Concen: 10.081 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1110867

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

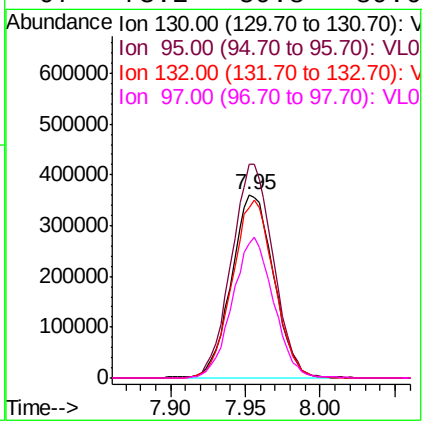


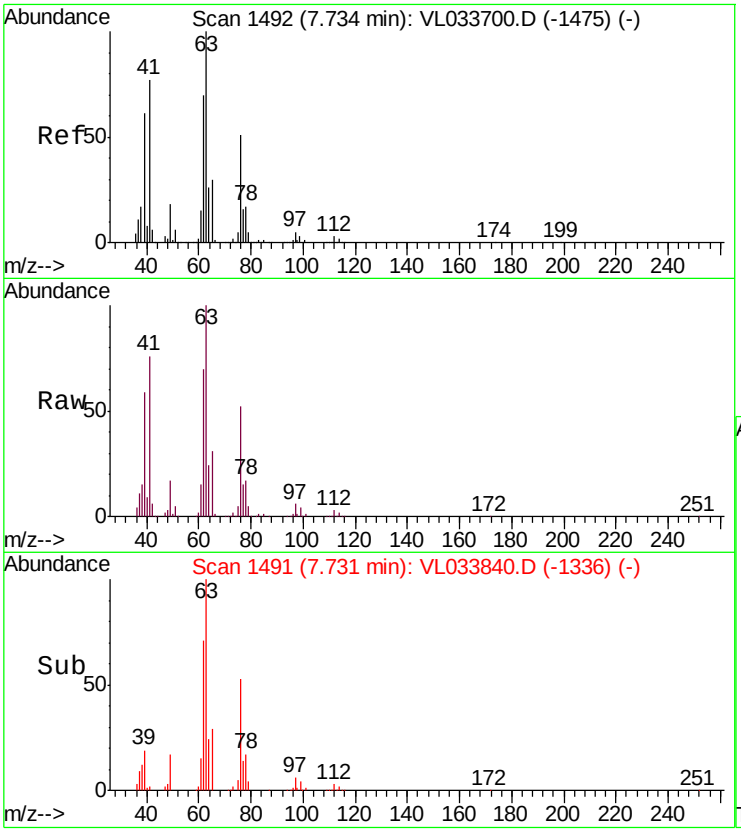


#38
Trichloroethene
Concen: 11.122 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:130 Resp: 704989

Ion	Ratio	Lower	Upper
130	100		
95	116.1	90.2	135.4
132	92.6	76.4	114.6
97	73.2	59.8	89.6



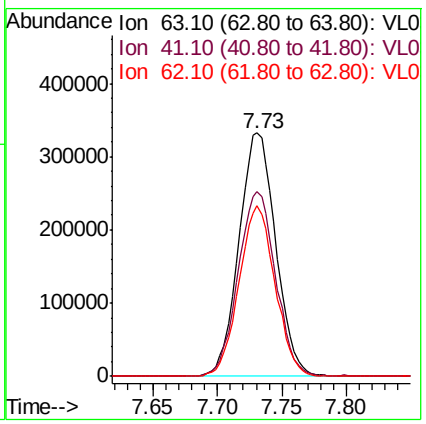


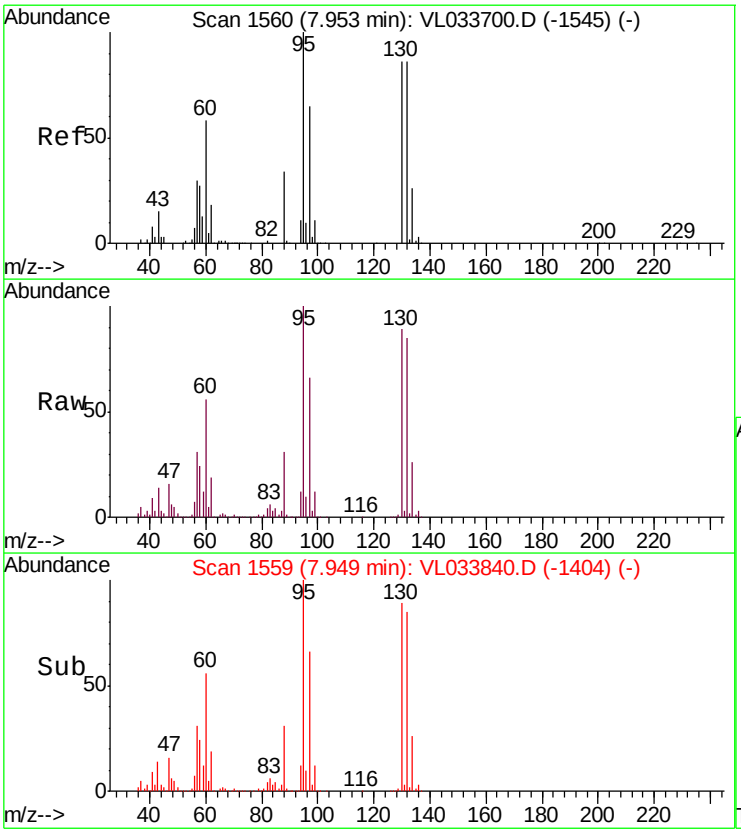
#39
1,2-Dichloropropane
Concen: 10.360 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 659787

Ion	Ratio	Lower	Upper
63	100		
41	76.0	61.5	92.3
62	70.0	56.2	84.4

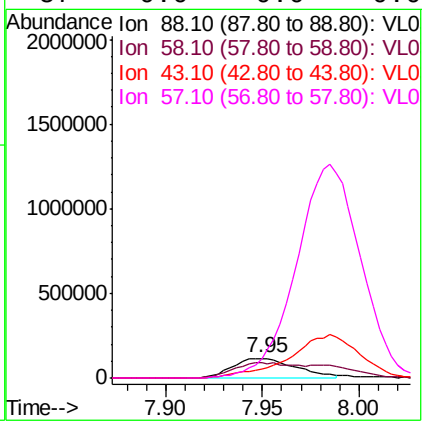


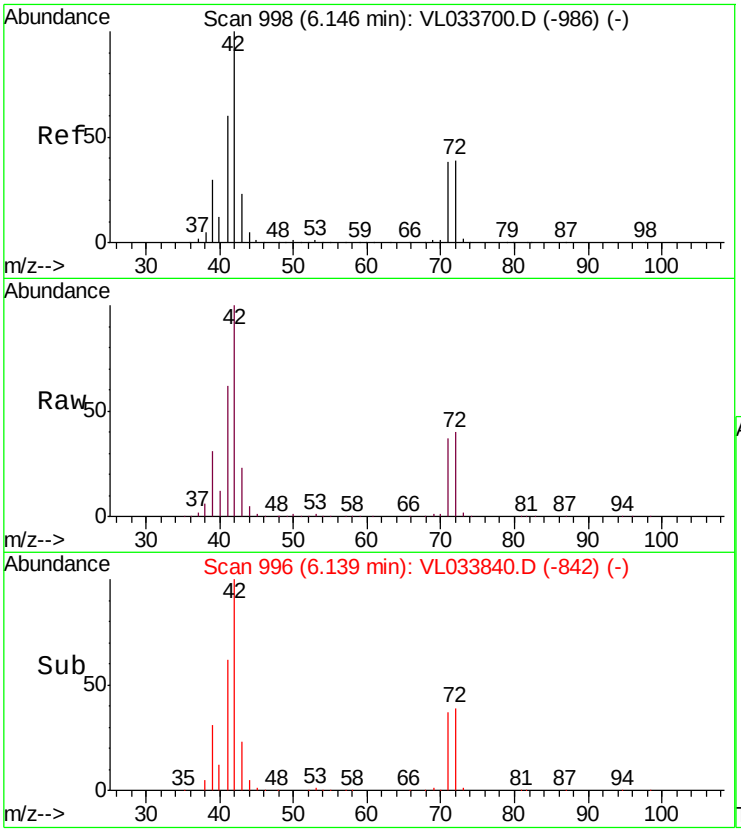


#40
1,4-Dioxane
Concen: 9.786 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 88 Resp: 260721

Ion	Ratio	Lower	Upper
88	100		
58	127.6	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



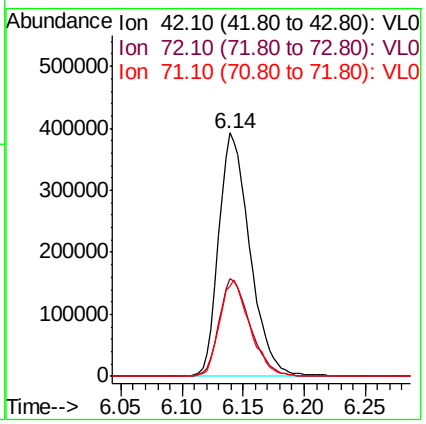


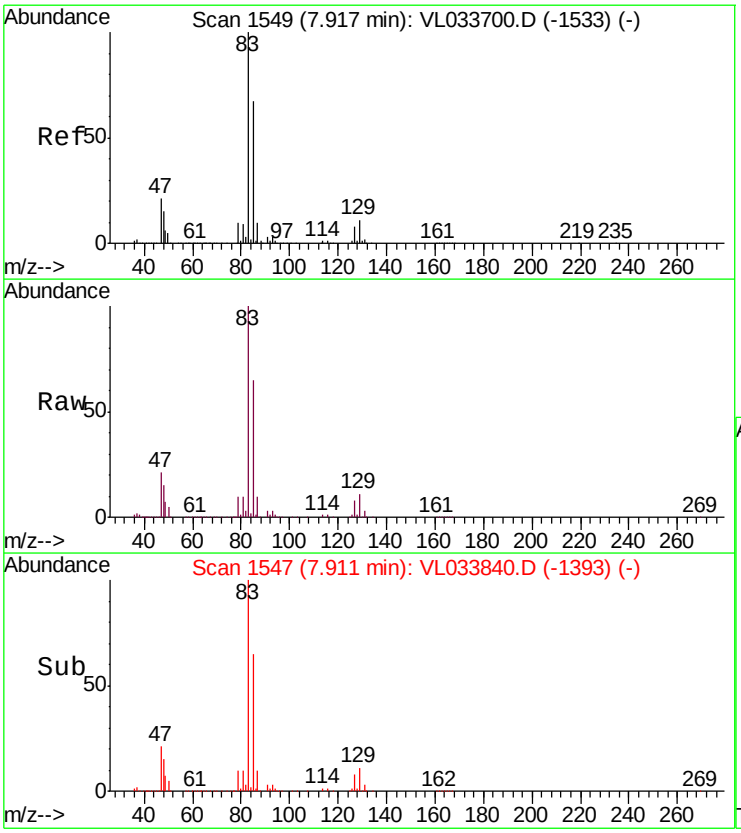
#41
Tetrahydrofuran
Concen: 10.846 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 707359

Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.0	48.0
71	38.5	30.4	45.6

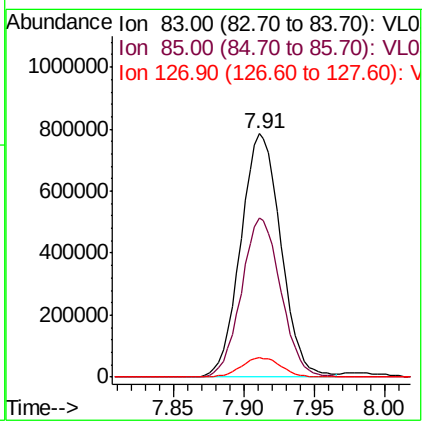


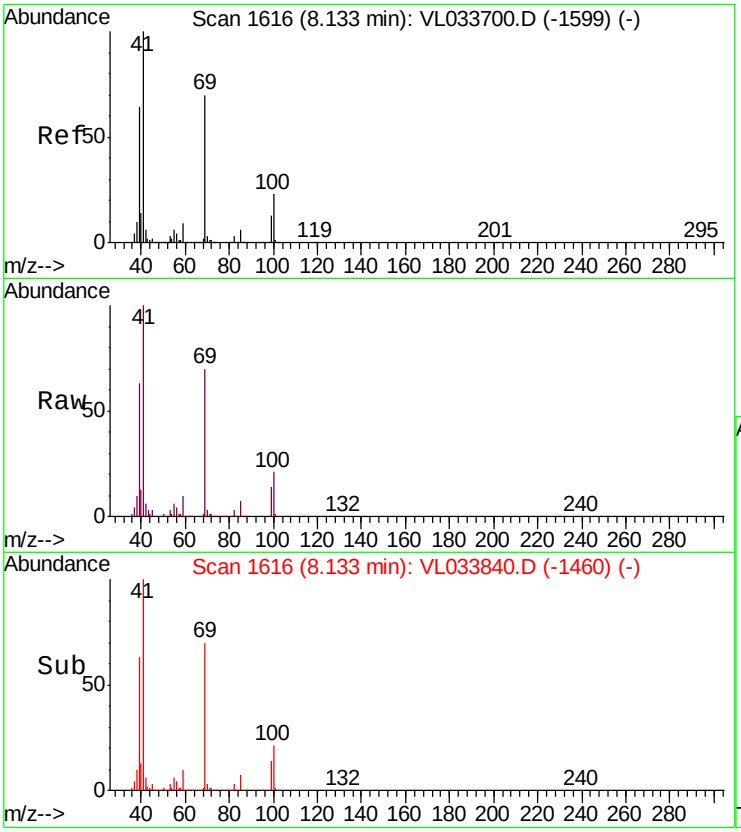


#42
Bromodichloromethane
Concen: 10.381 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 83 Resp: 1566011

Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.3	79.9
127	8.1	6.5	9.7



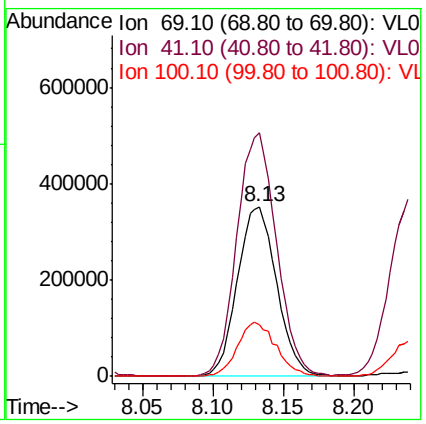


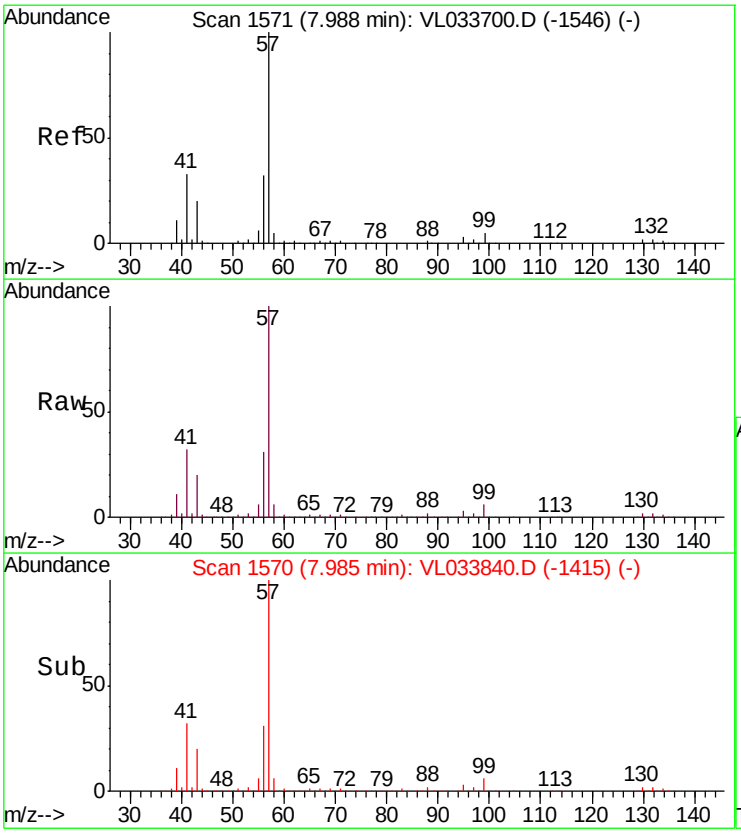
#43
Methyl Methacrylate
Concen: 10.958 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 688898

Ion	Ratio	Lower	Upper
69	100		
41	144.5	116.3	174.5
100	31.3	25.3	37.9

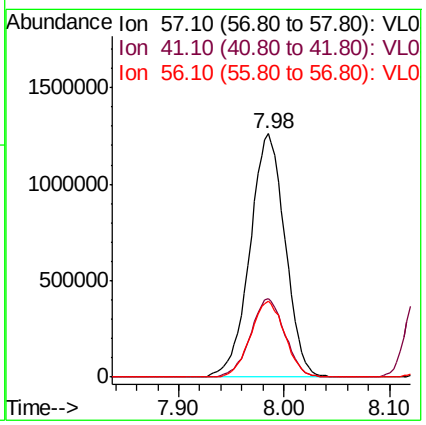


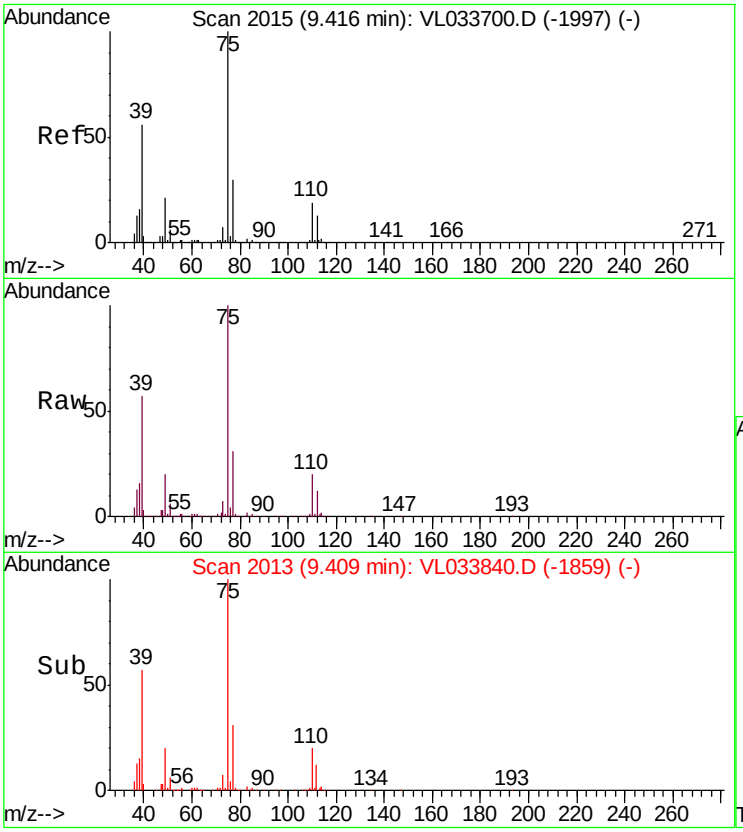


#44
2,2,4-Trimethylpentane
Concen: 10.154 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 57 Resp: 2931465

Ion	Ratio	Lower	Upper
57	100		
41	31.5	25.4	38.0
56	30.5	24.7	37.1



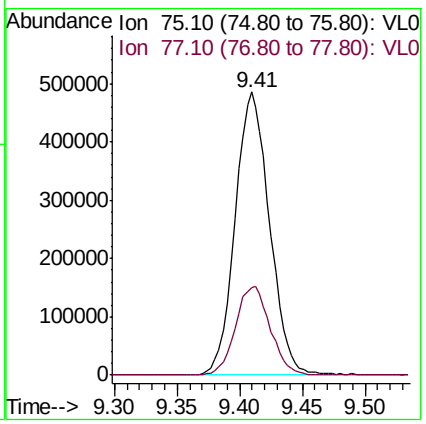


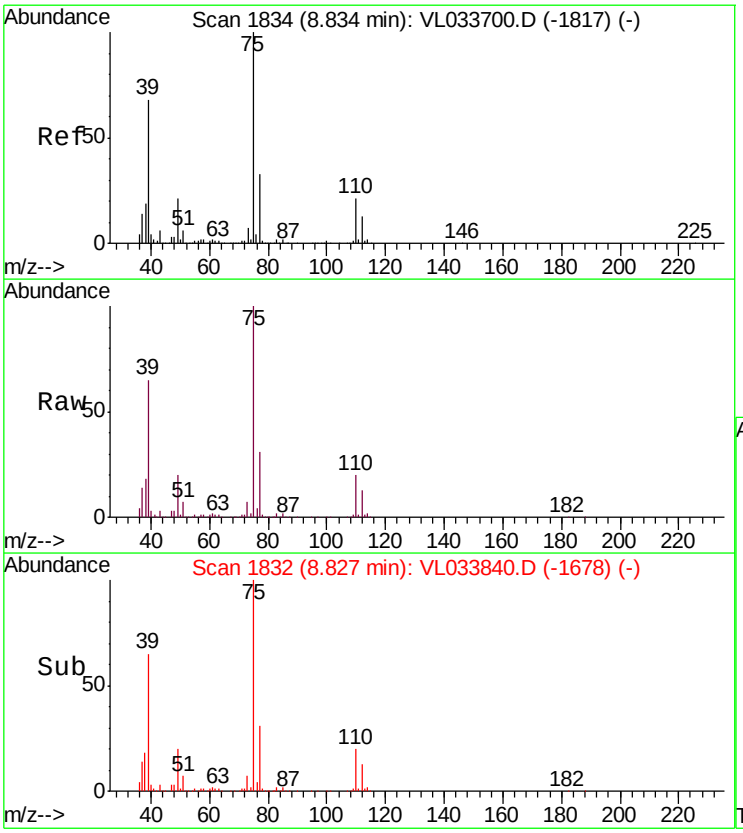
#45
t-1,3-Dichloropropene
Concen: 11.602 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 924625

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.4	36.6

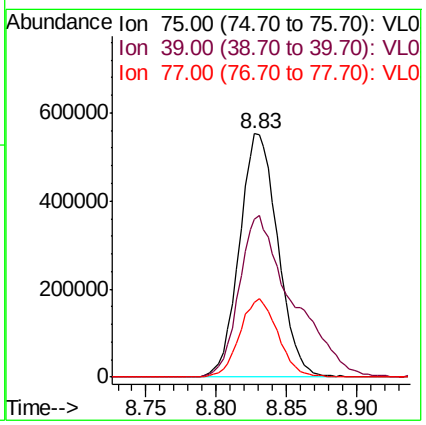


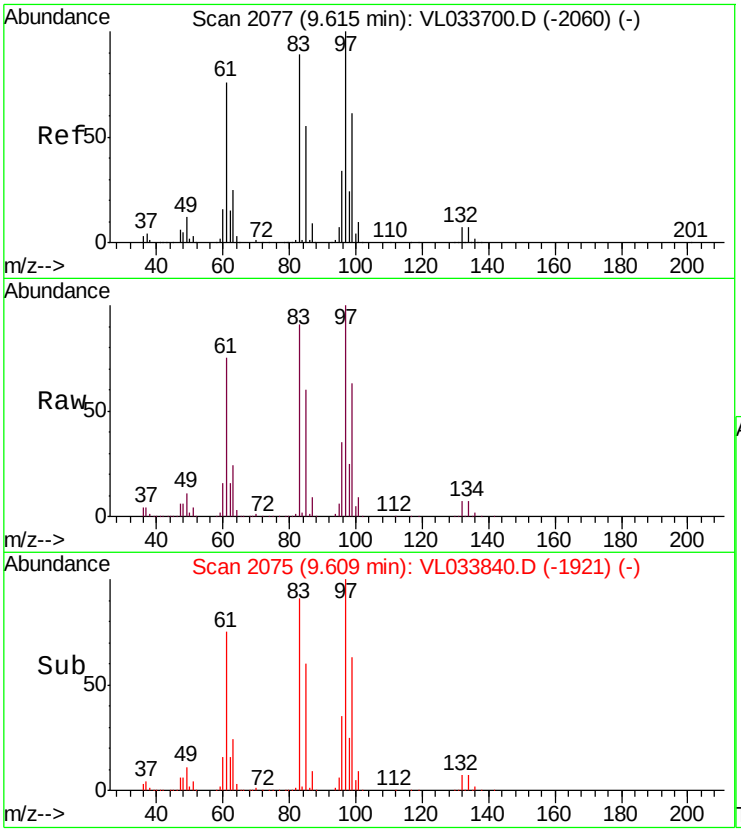


#46
cis-1,3-Dichloropropene
Concen: 11.274 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 75 Resp: 1052091

Ion	Ratio	Lower	Upper
75	100		
39	64.9	54.4	81.6
77	30.8	26.6	39.8



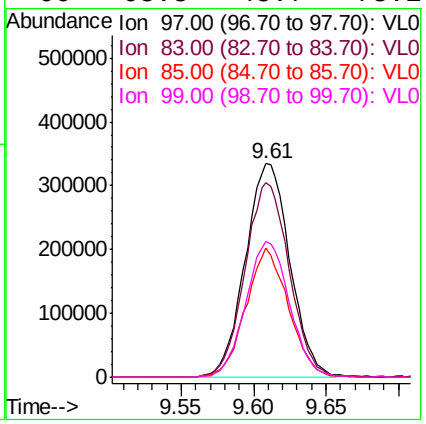


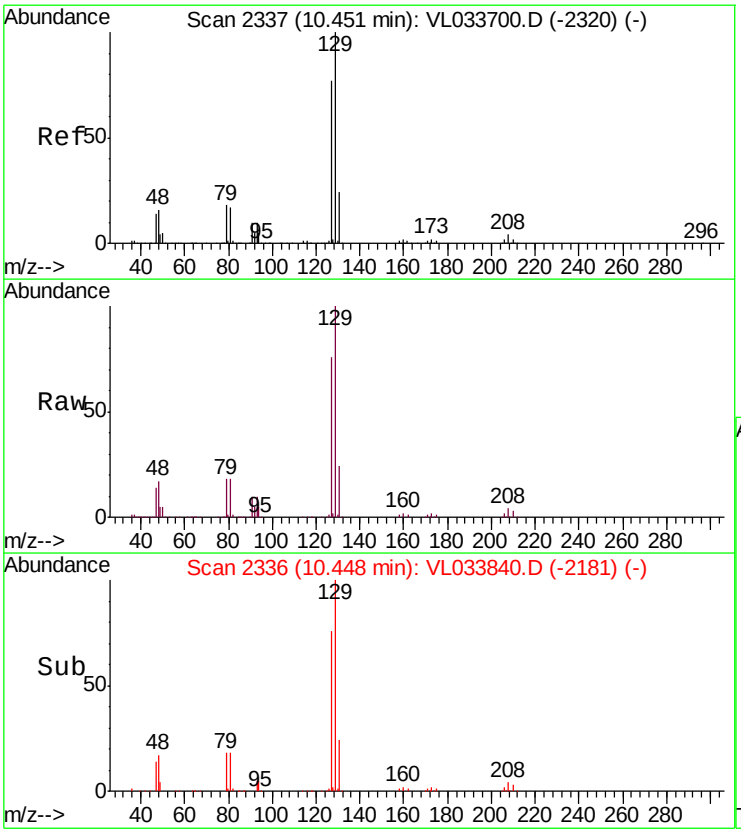
#47
1,1,2-Trichloroethane
Concen: 9.908 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 716827

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.8	106.2
85	60.3	43.7	65.5
99	63.3	48.7	73.1

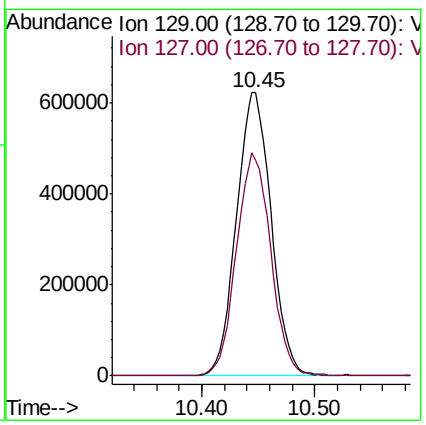


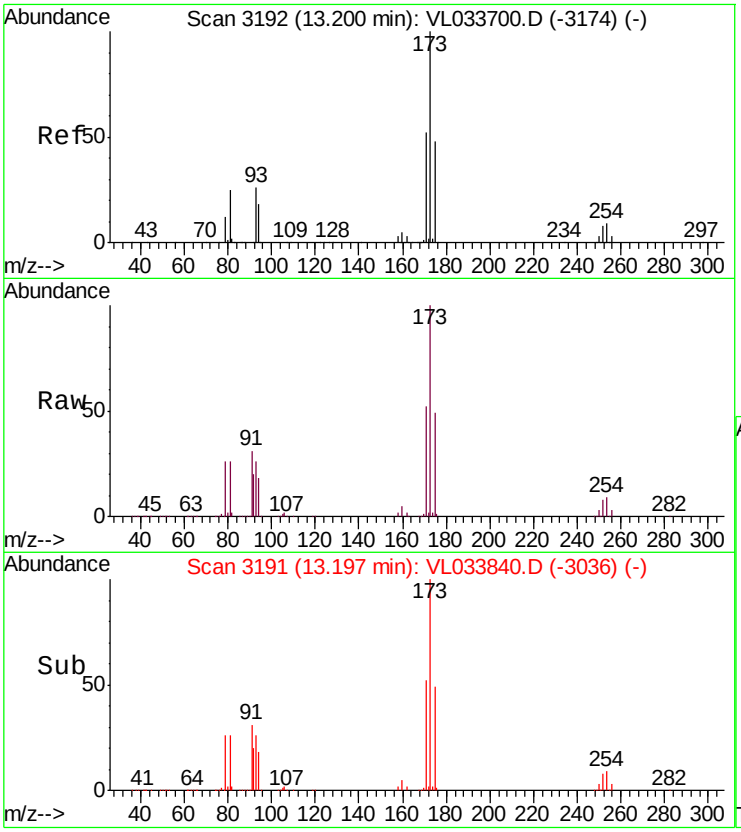


#48
Dibromochloromethane
Concen: 10.639 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:129 Resp: 1333759

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0



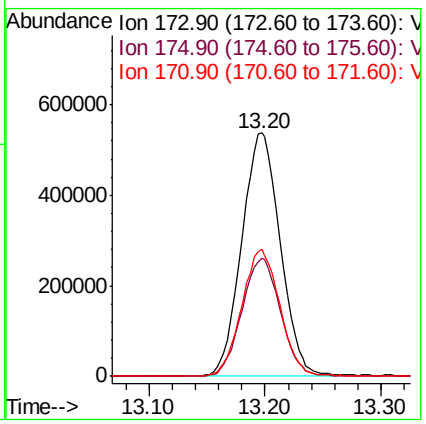


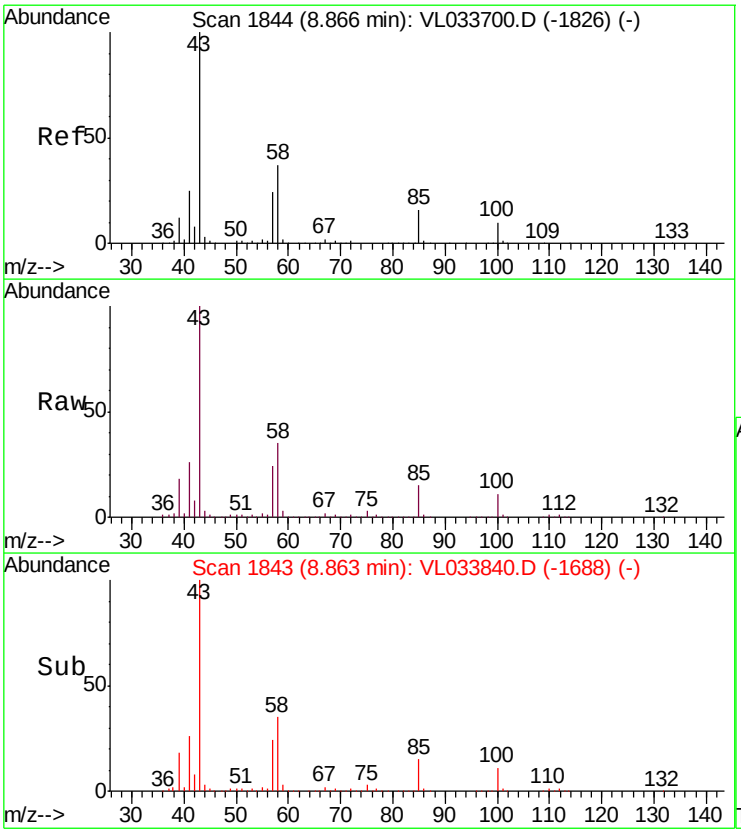
#49
Bromoform
Concen: 11.781 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1242708

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	51.7	41.5	62.3

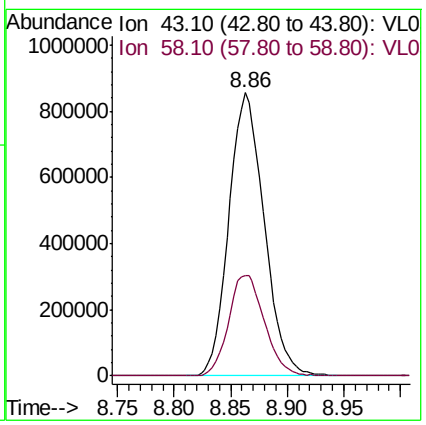


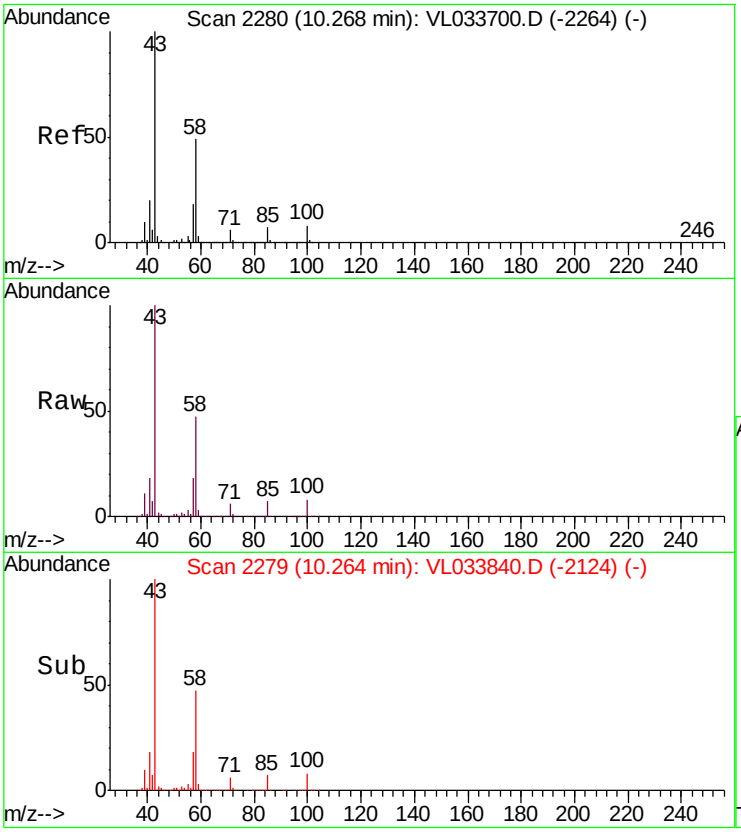


#50
4-Methyl-2-Pentanone
Concen: 10.377 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 43 Resp: 1857867

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.6	43.0



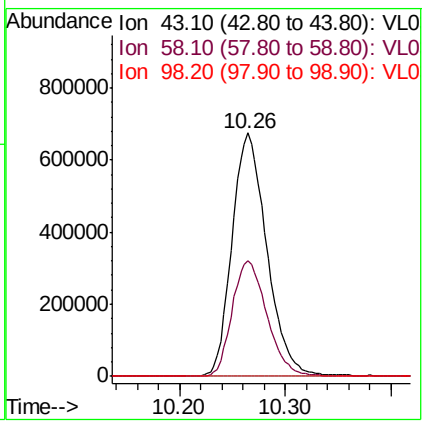


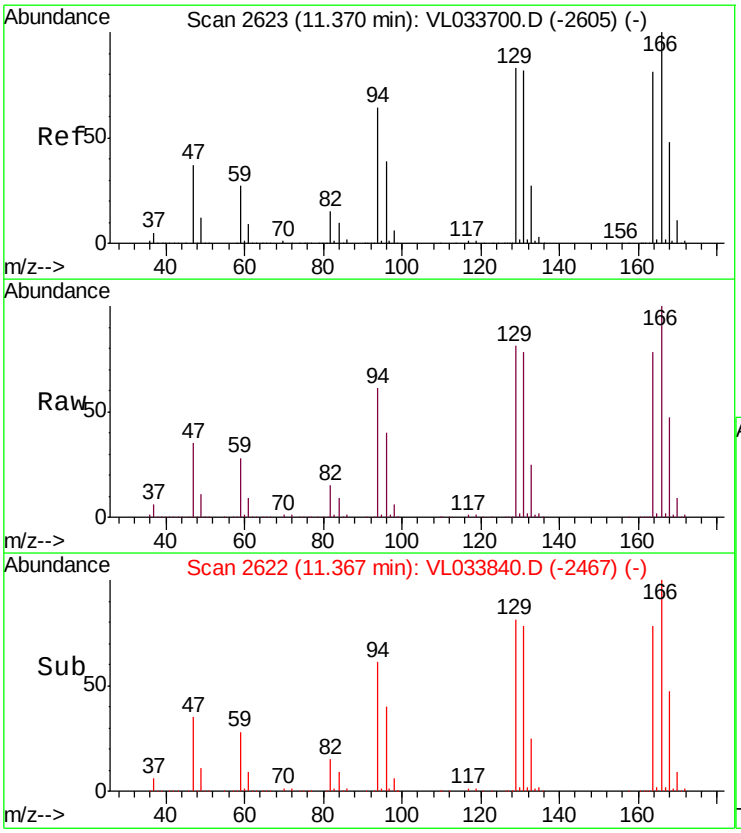
#51
2-Hexanone
Concen: 11.044 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1543261

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.7	58.1
98	0.2	0.2	0.4#

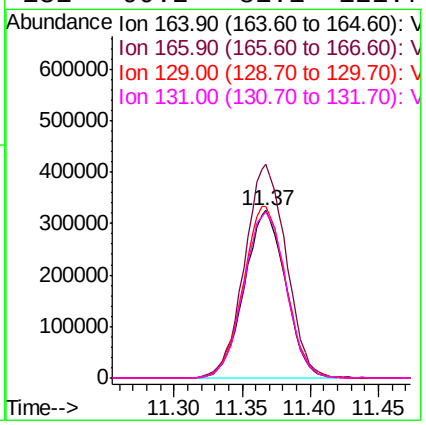


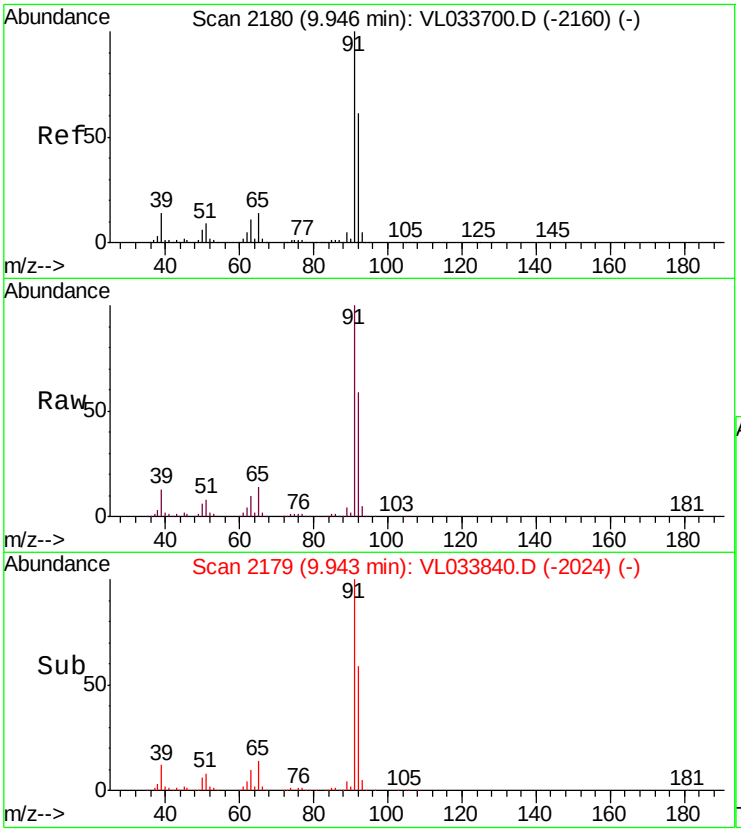


#52
Tetrachloroethene
Concen: 11.349 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:164 Resp: 681479

Ion	Ratio	Lower	Upper
164	100		
166	127.5	98.9	148.3
129	102.8	81.8	122.6
131	99.2	81.1	121.7



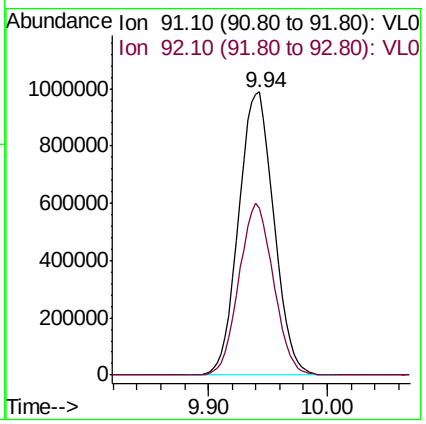


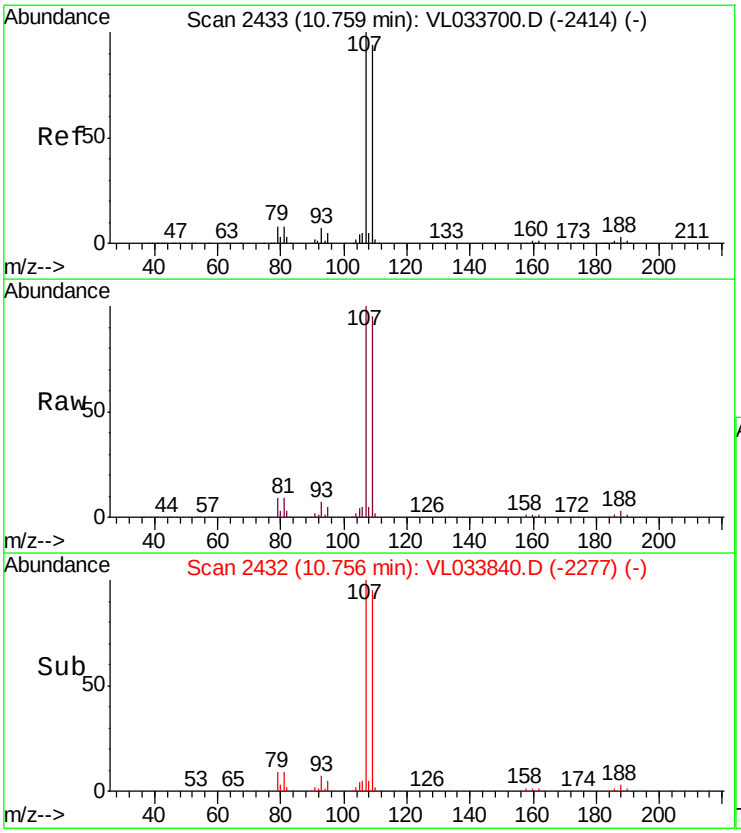
#53
Toluene
Concen: 11.011 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2028670

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.6	71.4

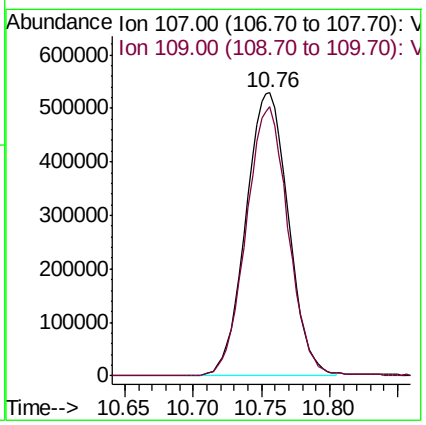


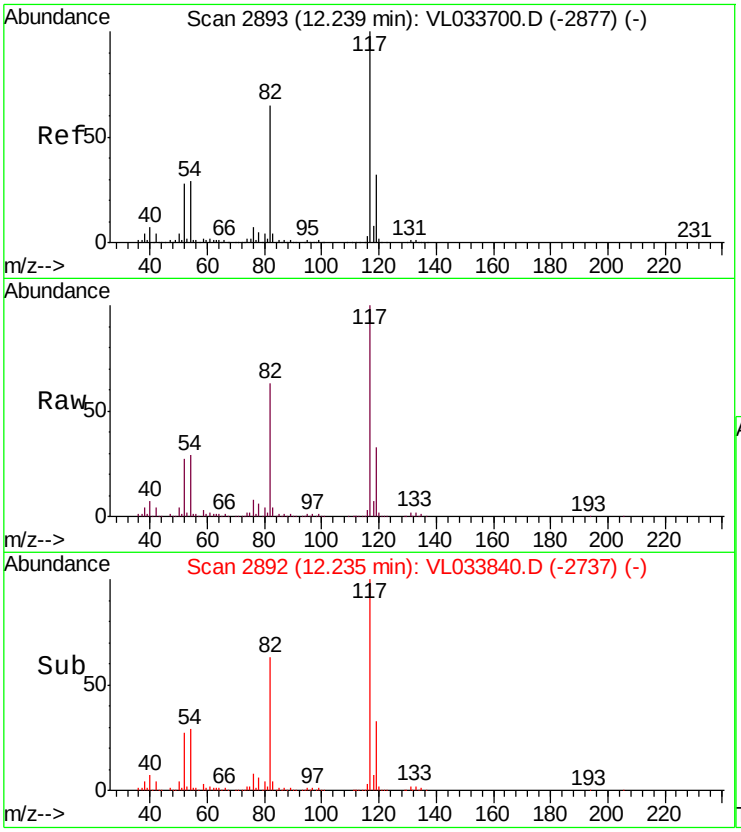


#54
1,2-Dibromoethane
Concen: 10.394 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:107 Resp: 1147633

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.2	112.8



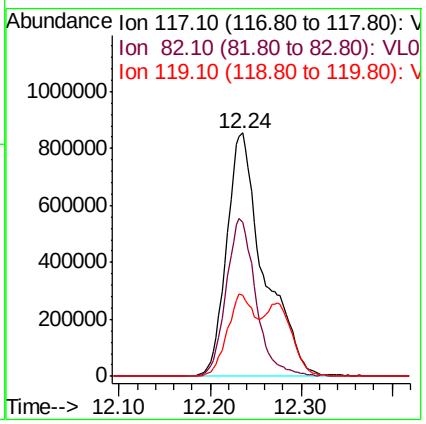


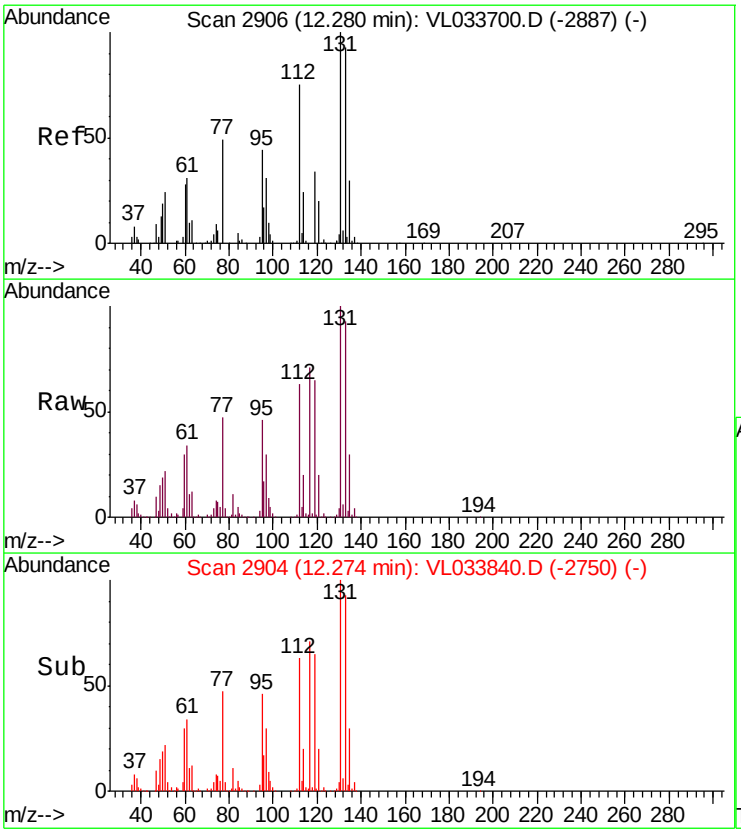
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2430362

Ion	Ratio	Lower	Upper
117	100		
82	52.3	49.4	74.0
119	27.1	24.9	37.3

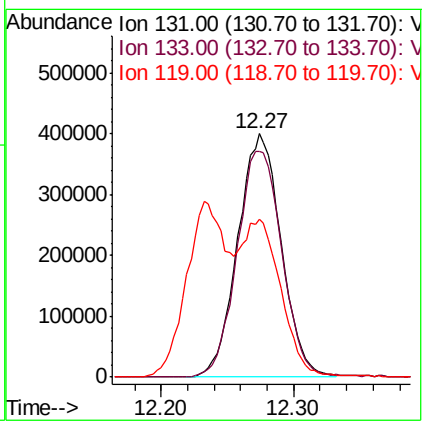


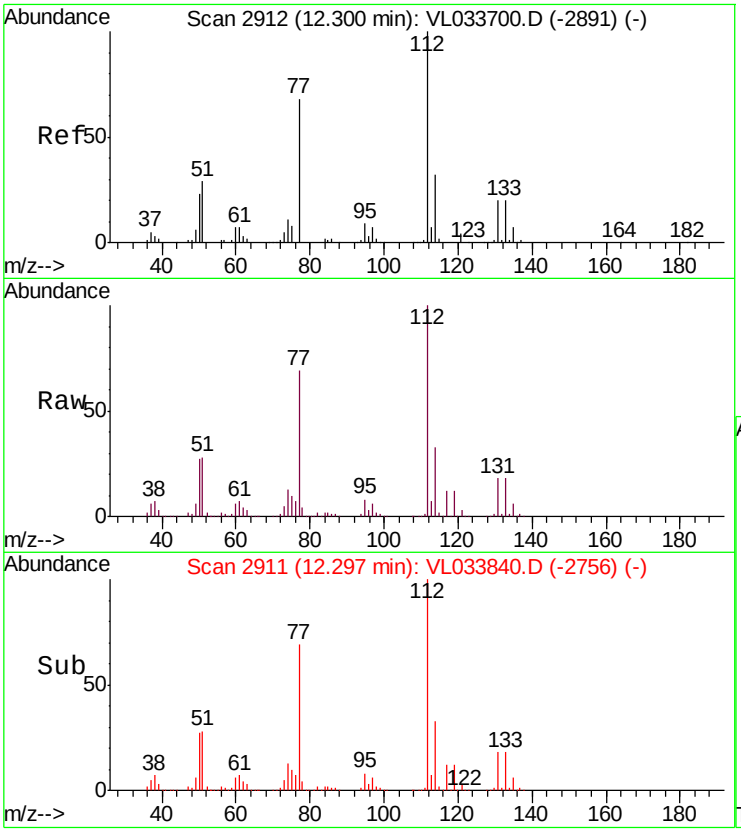


#56
1,1,1,2-Tetrachloroethane
Concen: 8.094 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:131 Resp: 910287

Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.6	114.8
119	64.5	49.0	73.4



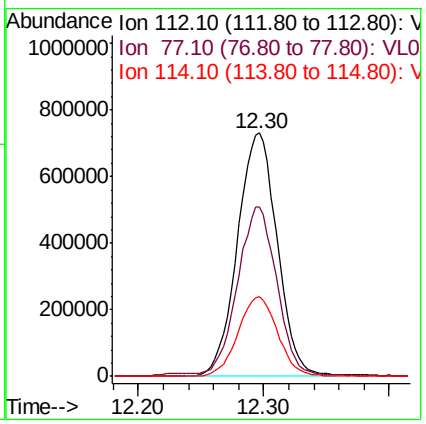


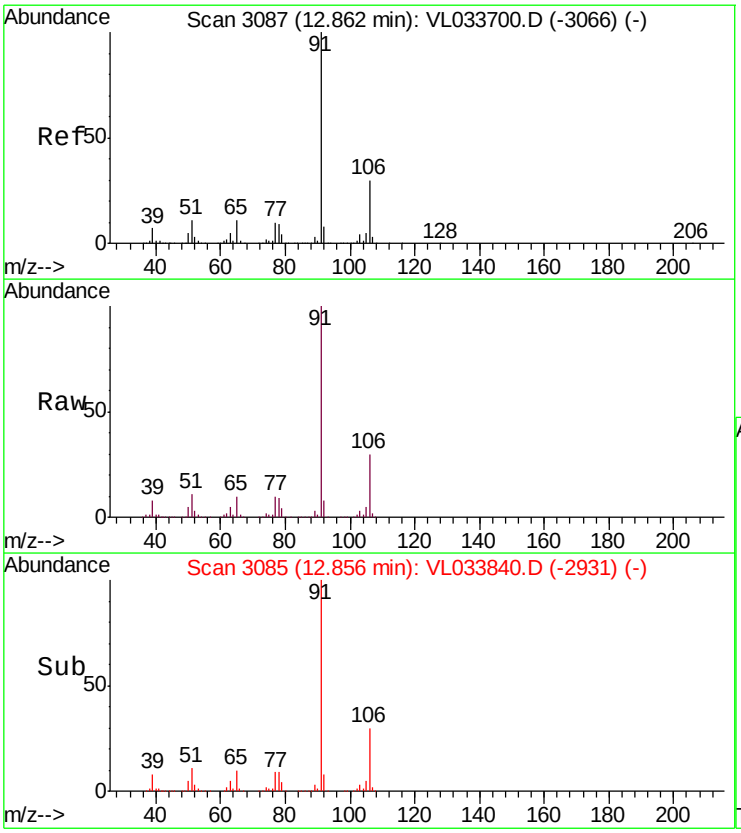
#57
Chlorobenzene
Concen: 8.056 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1611538

Ion	Ratio	Lower	Upper
112	100		
77	68.7	55.4	83.0
114	32.5	29.3	35.8

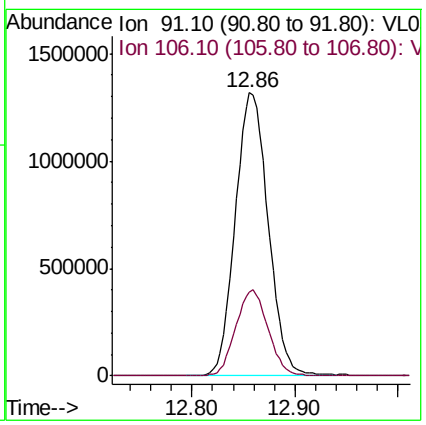


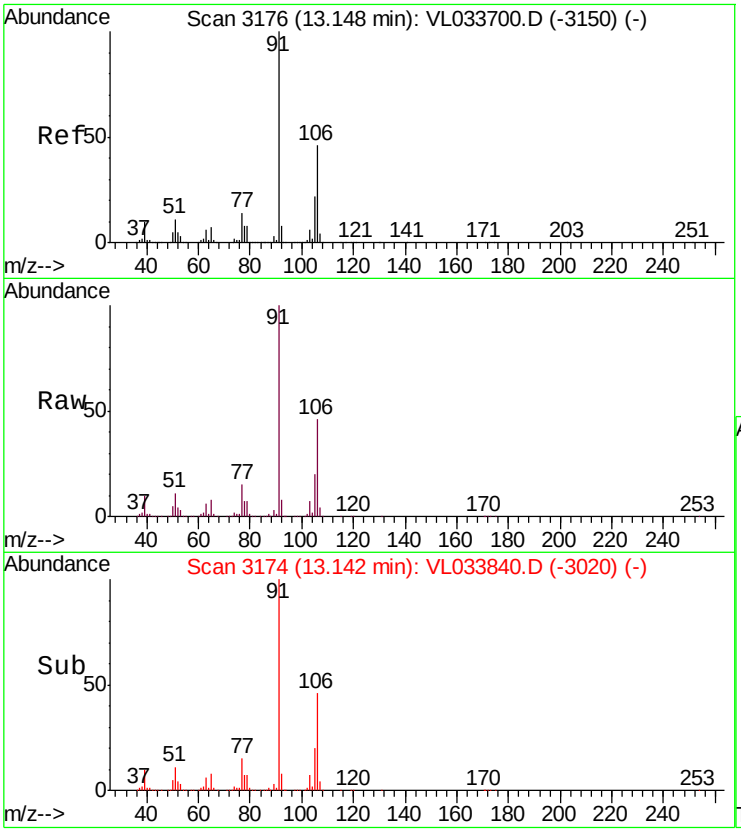


#58
Ethyl Benzene
Concen: 9.105 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 91 Resp: 2930297

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.9	35.9



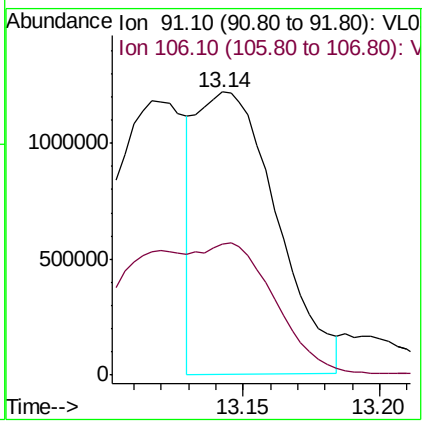


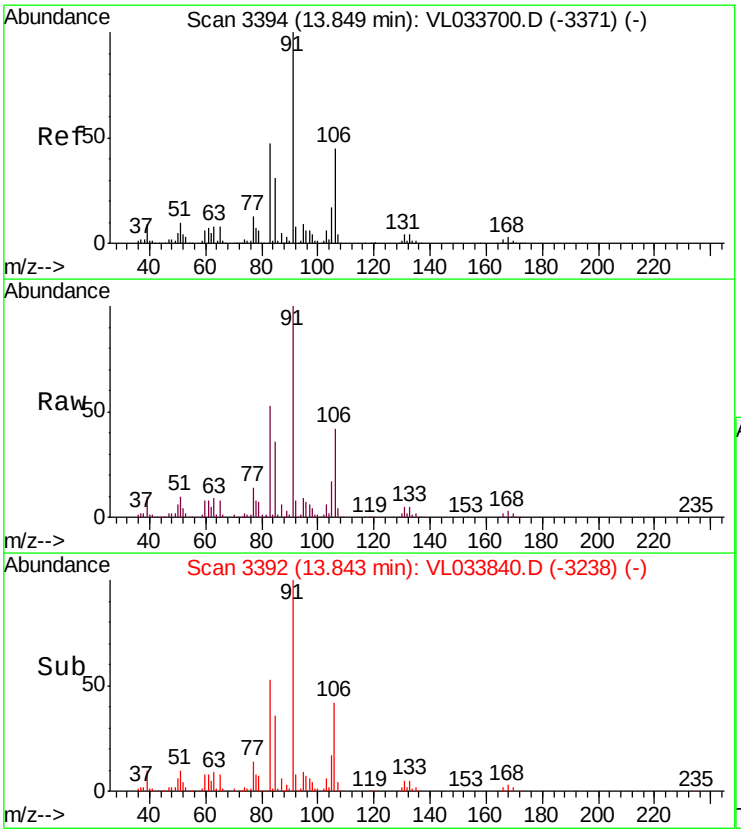
#59
m/p-Xylene
Concen: 8.832 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2484807

Ion	Ratio	Lower	Upper
91	100		
106	89.5	35.8	53.6#

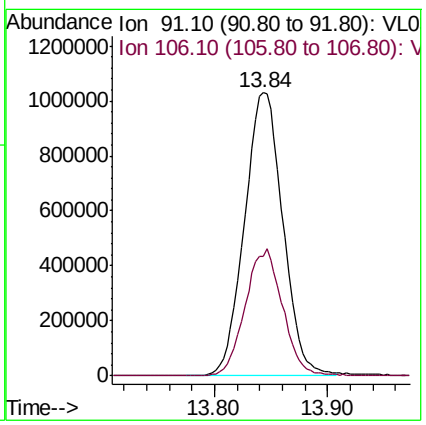


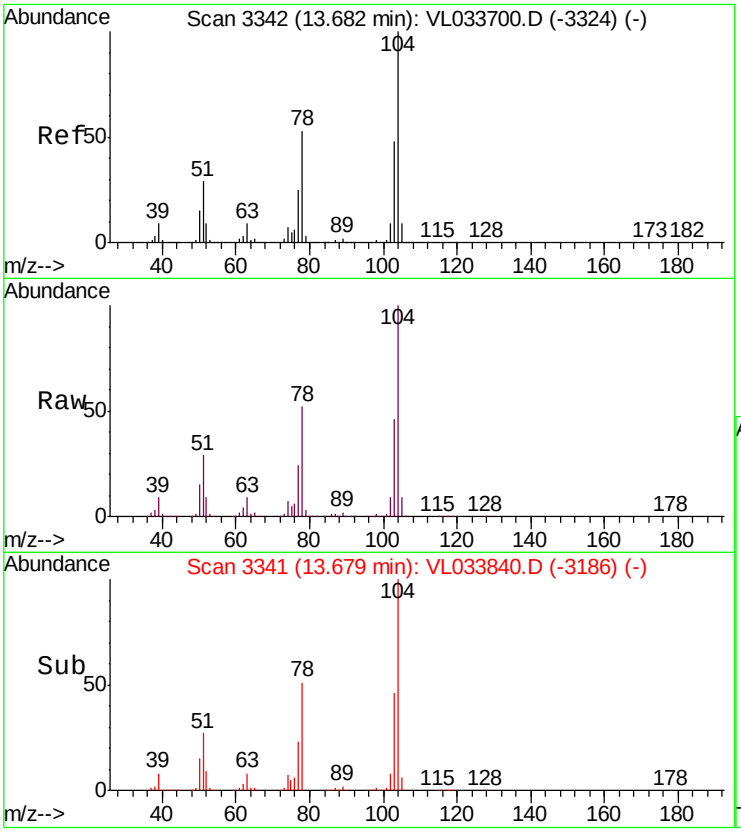


#60
o-Xylene
Concen: 8.560 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 91 Resp: 2427656

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.6	64.8



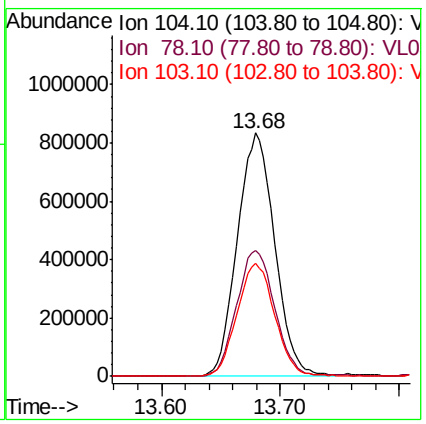


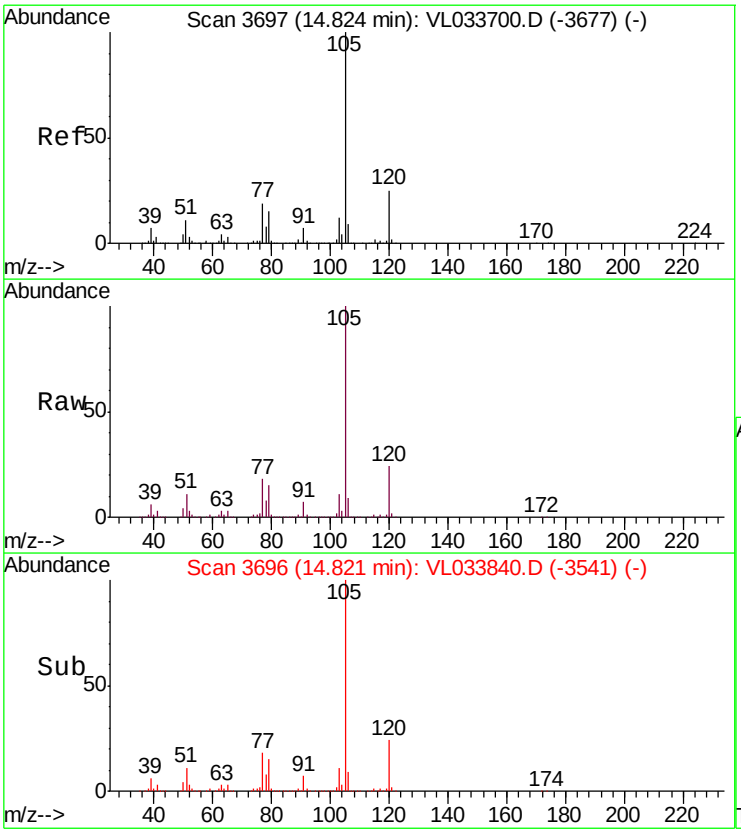
#61
Styrene
Concen: 9.514 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 1816697

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.6	64.0
103	46.9	37.8	56.6

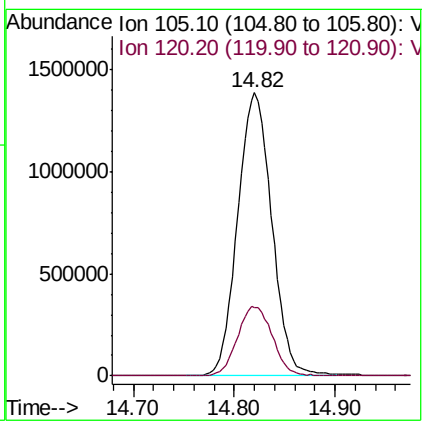


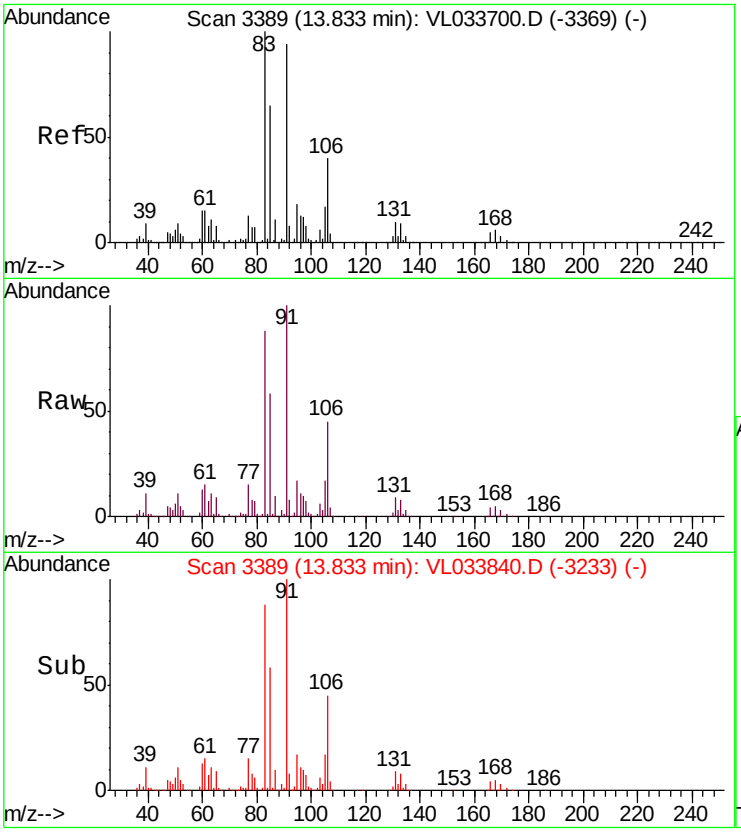


#62
Isopropylbenzene
Concen: 8.520 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 3254040

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



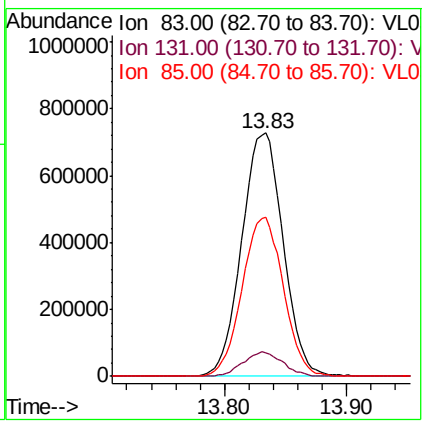


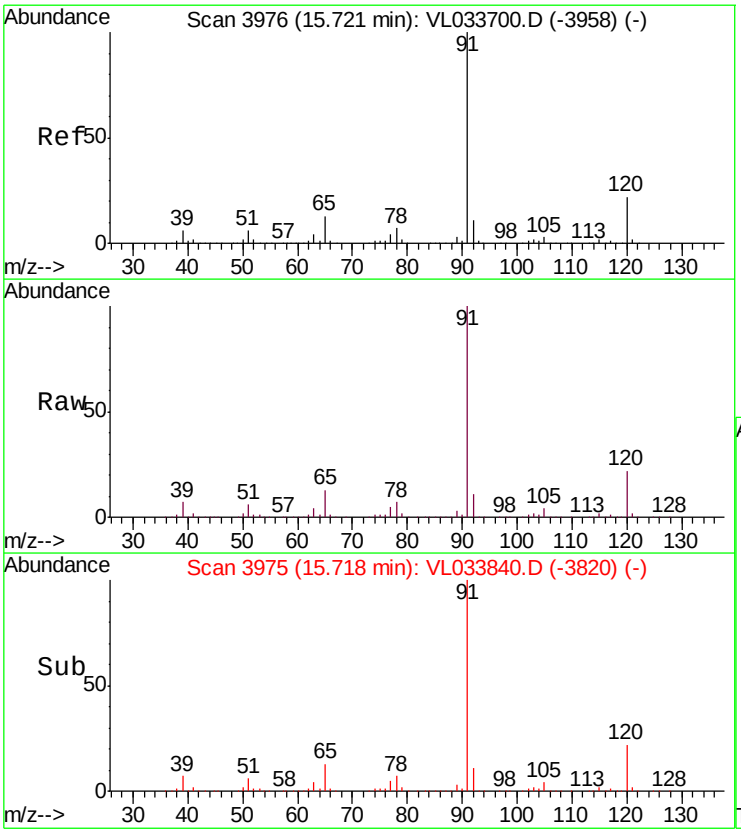
#63
1,1,2,2-Tetrachloroethane
Concen: 8.272 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1706114

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	65.2	32.3	96.9

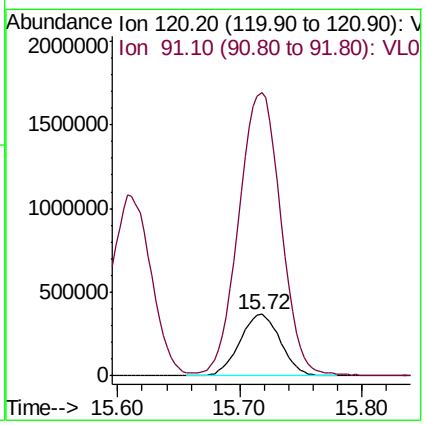


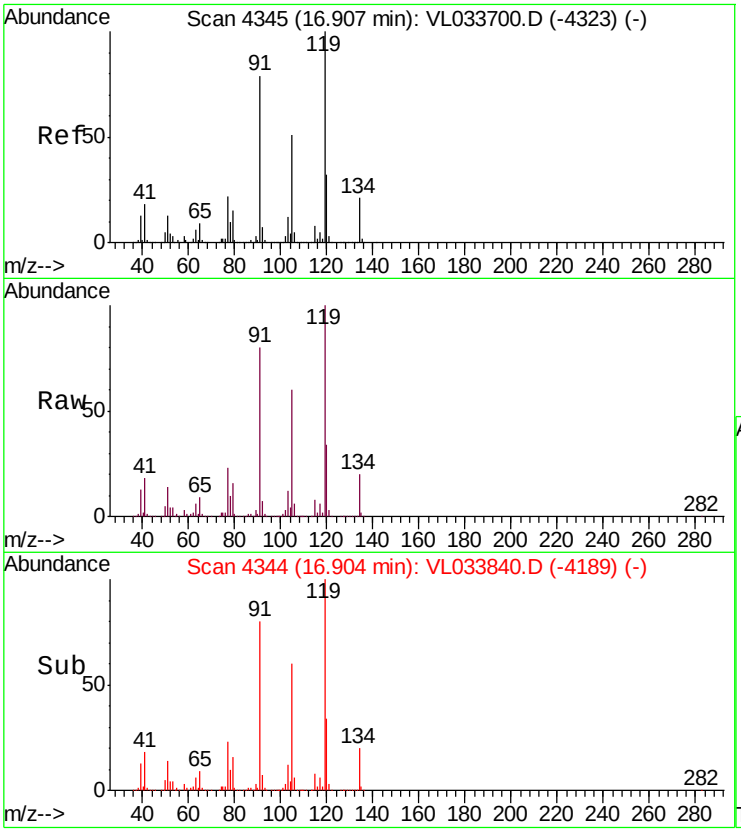


#64
n-propylbenzene
Concen: 8.607 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:120 Resp: 850342

Ion	Ratio	Lower	Upper
120	100		
91	479.0	379.1	568.7



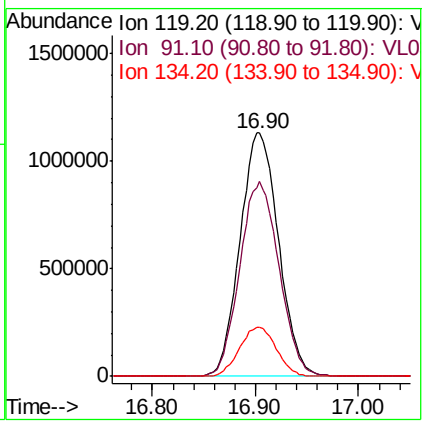


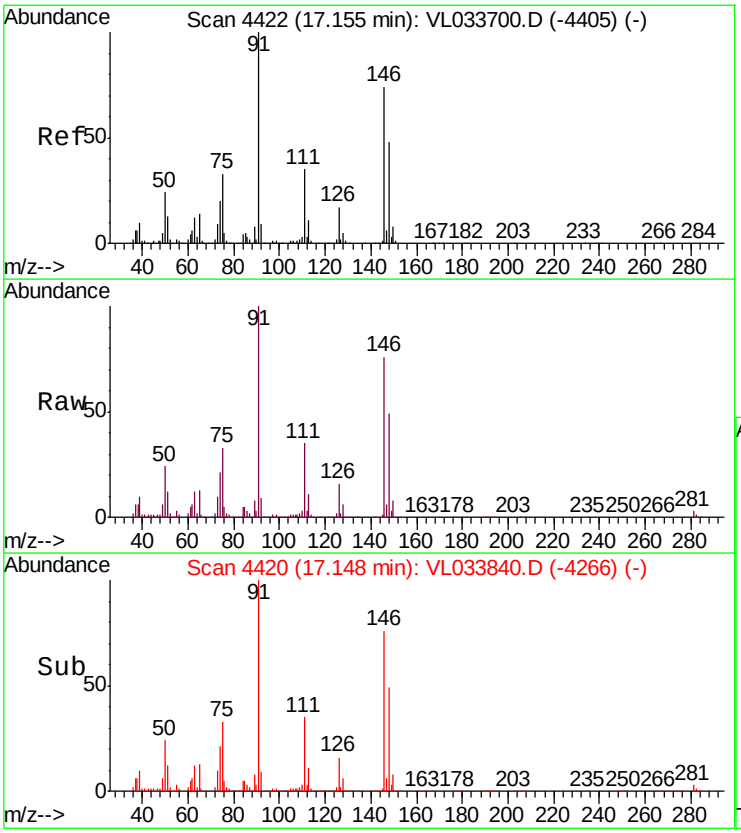
#65
tert-Butylbenzene
Concen: 8.420 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 2936295

Ion	Ratio	Lower	Upper
119	100		
91	81.7	65.3	97.9
134	19.4	15.7	23.5

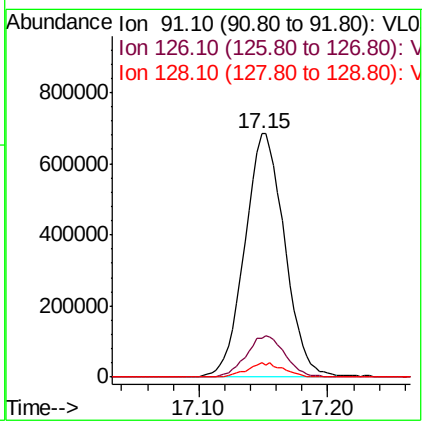


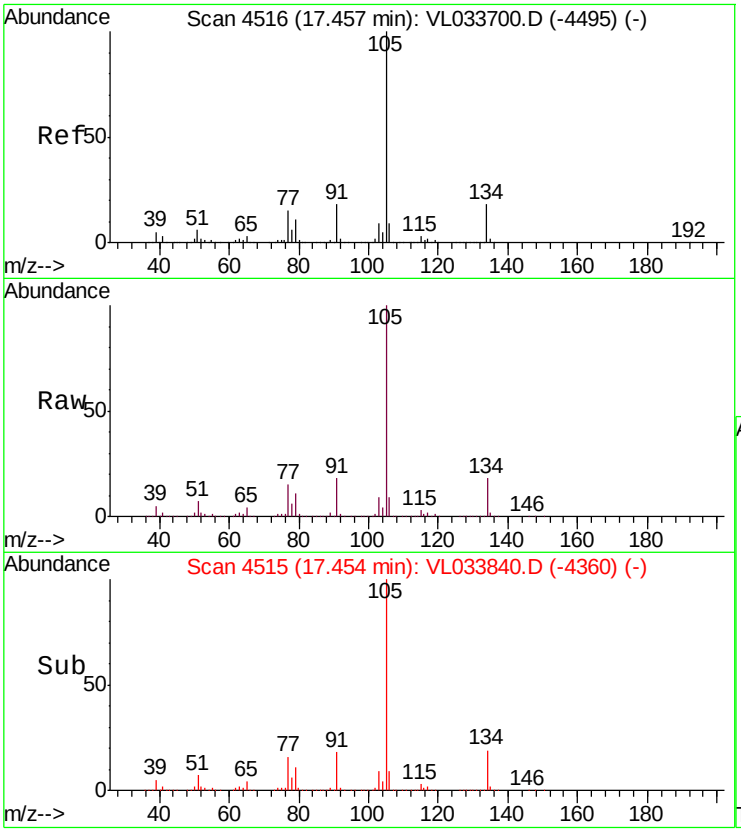


#66
Benzyl Chloride
Concen: 8.856 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 91 Resp: 1470852

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.4	4.3	6.5



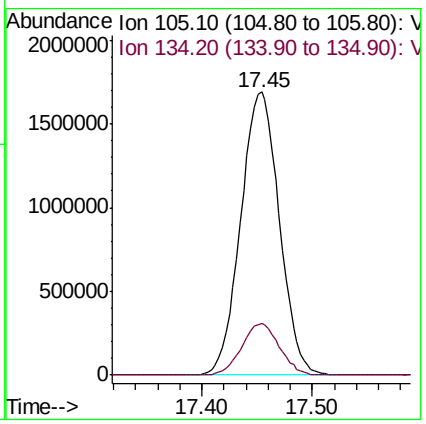


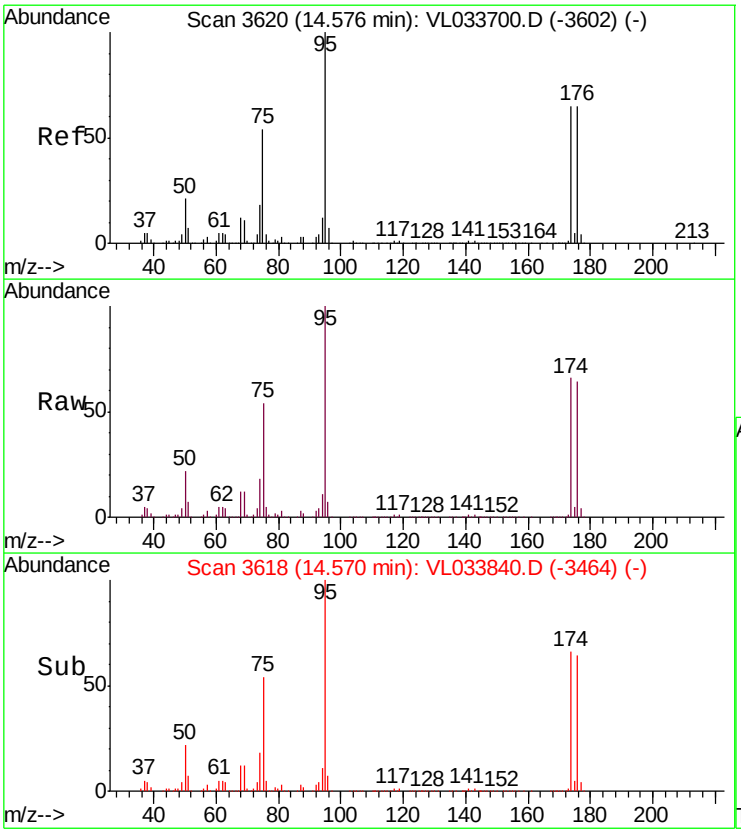
#67
sec-Butylbenzene
Concen: 8.375 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4087688

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

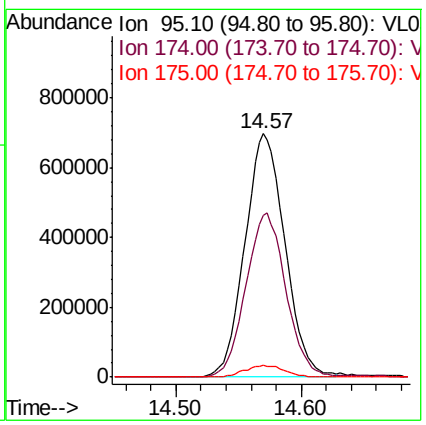


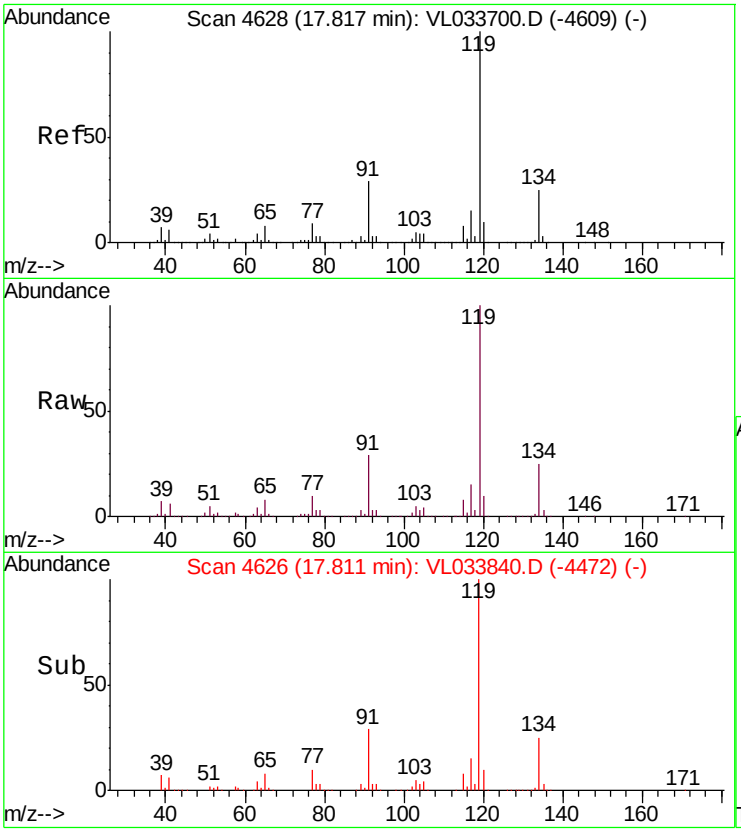


#68
1-Bromo-4-Fluorobenzene
Concen: 7.840 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 95 Resp: 1544668

Ion	Ratio	Lower	Upper
95	100		
174	68.2	53.9	80.9
175	4.9	3.8	5.8



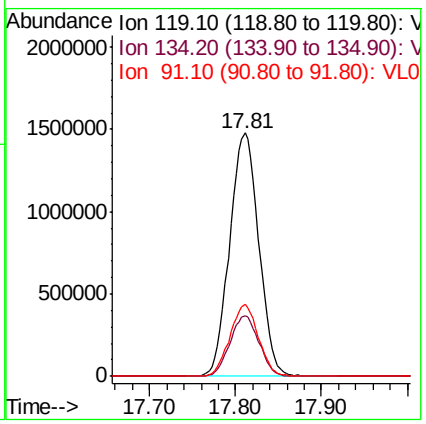


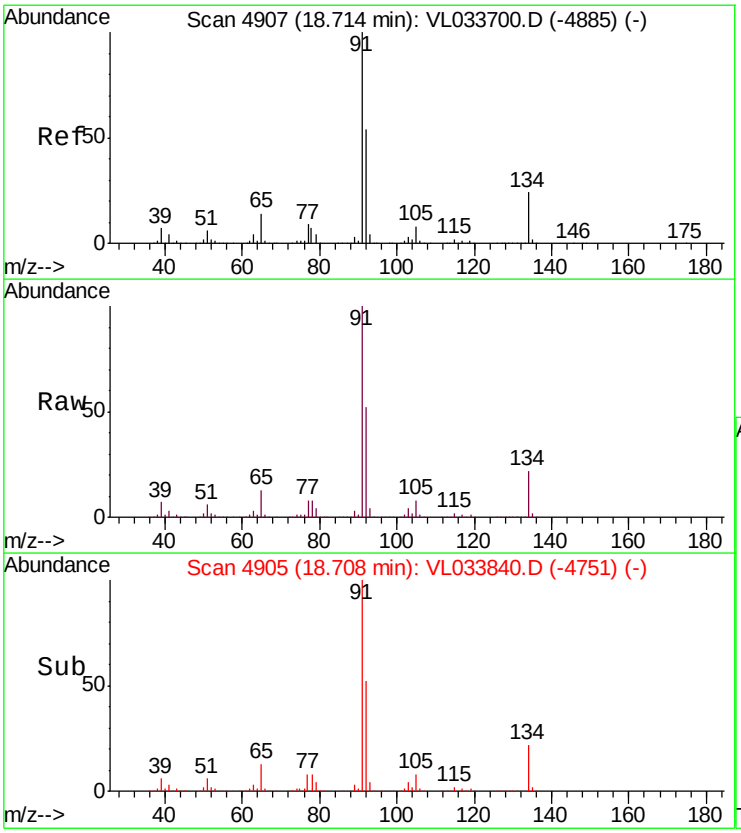
#69
p-Isopropyltoluene
Concen: 8.608 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3472483

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.3	30.5
91	29.0	23.1	34.7

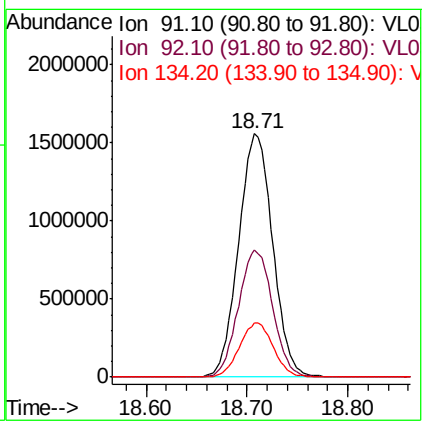


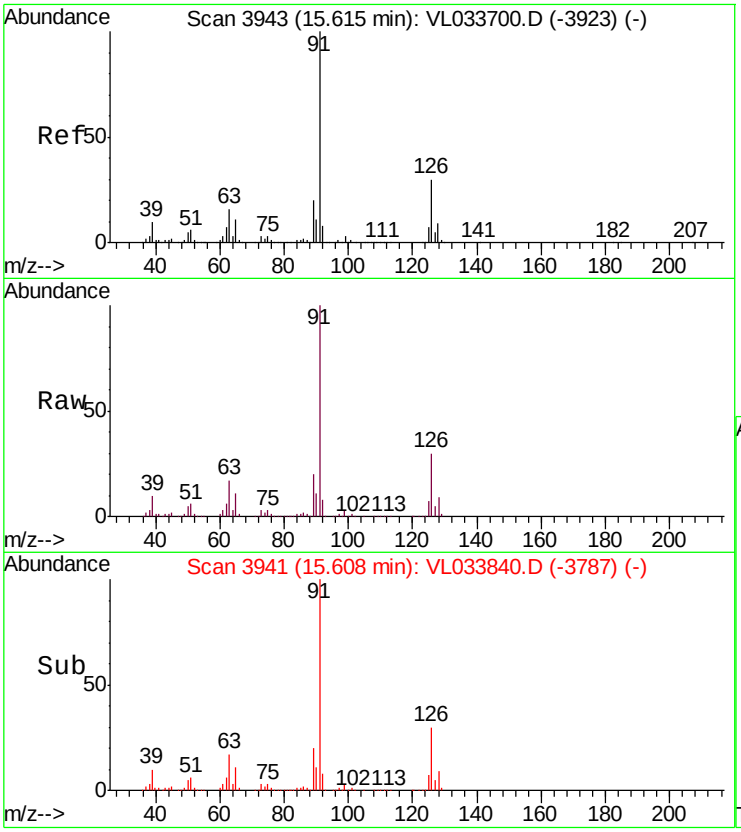


#70
n-Butylbenzene
Concen: 8.413 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion: 91 Resp: 3639655

Ion	Ratio	Lower	Upper
91	100		
92	52.6	42.6	63.8
134	22.1	18.1	27.1



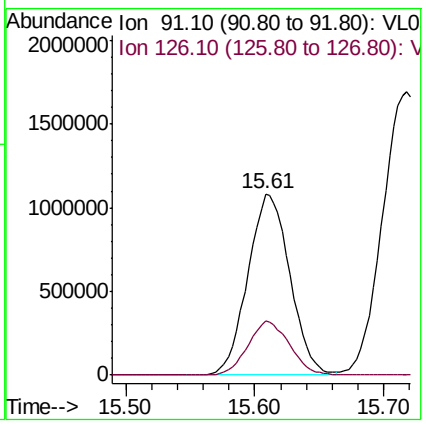


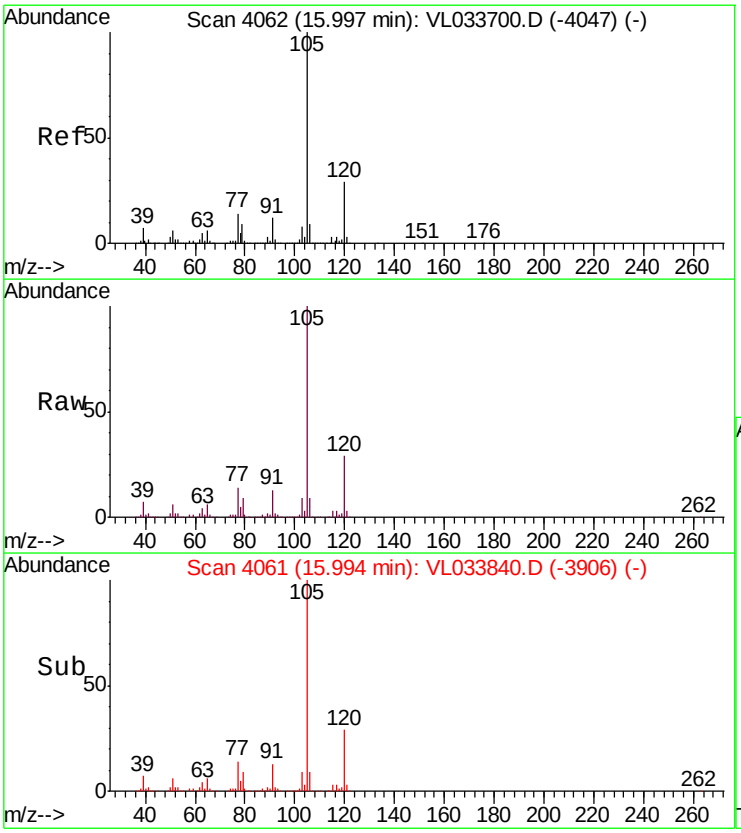
#71
2-Chlorotoluene
Concen: 8.675 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2458207

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	47.8

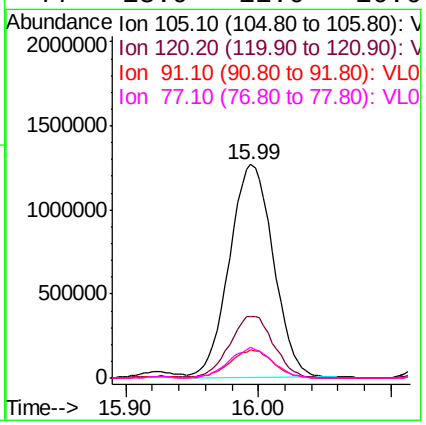


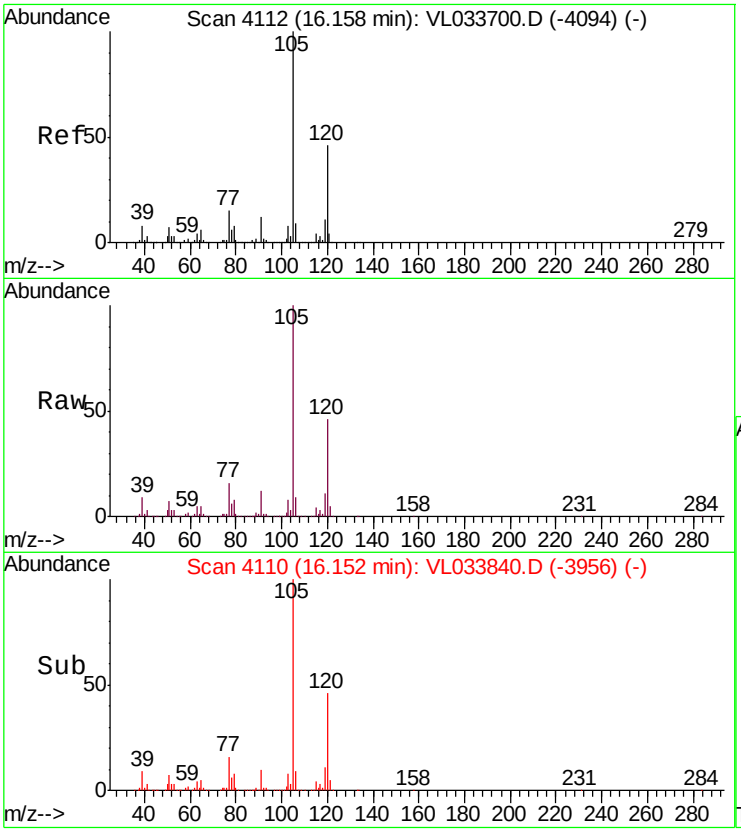


#72
4-Ethyltoluene
Concen: 9.000 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 2918284

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.1	34.7
91	13.1	10.4	15.6
77	13.9	11.0	16.6



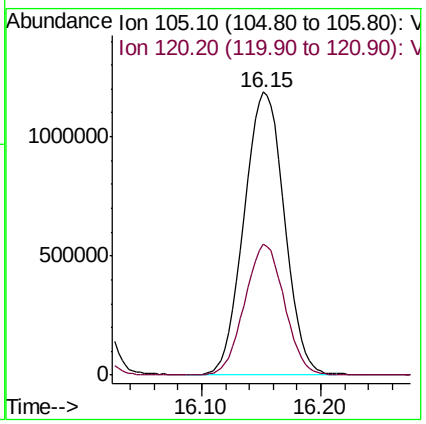


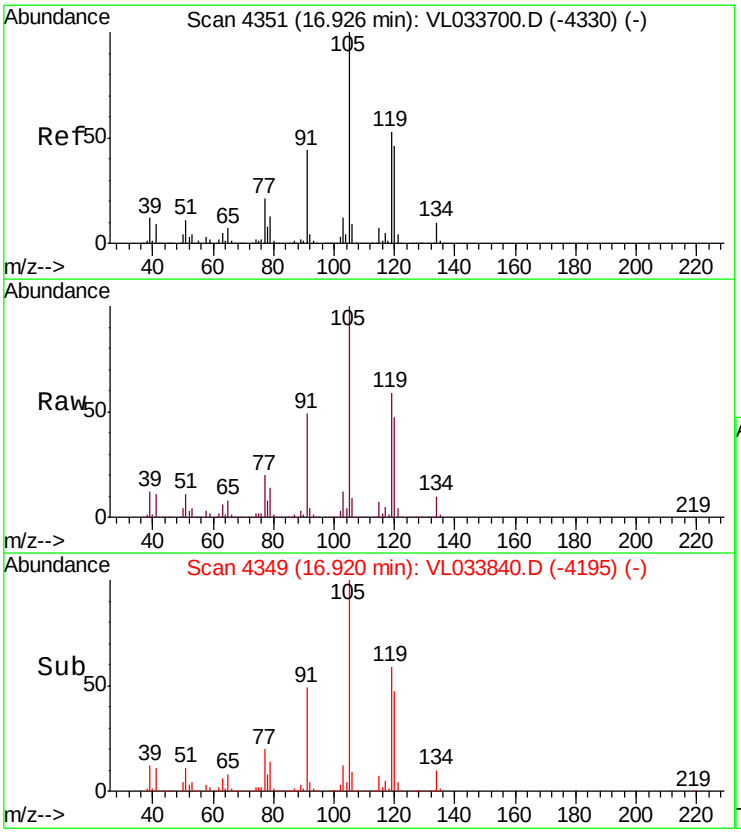
#73
1,3,5-Trimethylbenzene
Concen: 8.790 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2781086

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.0	55.4

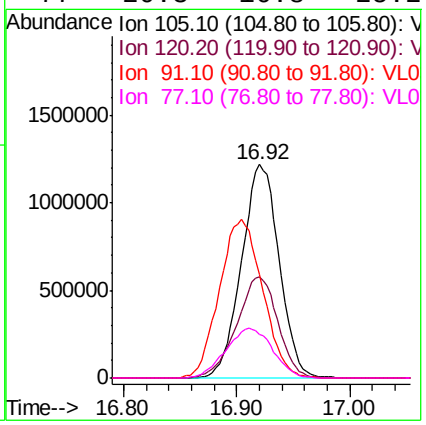


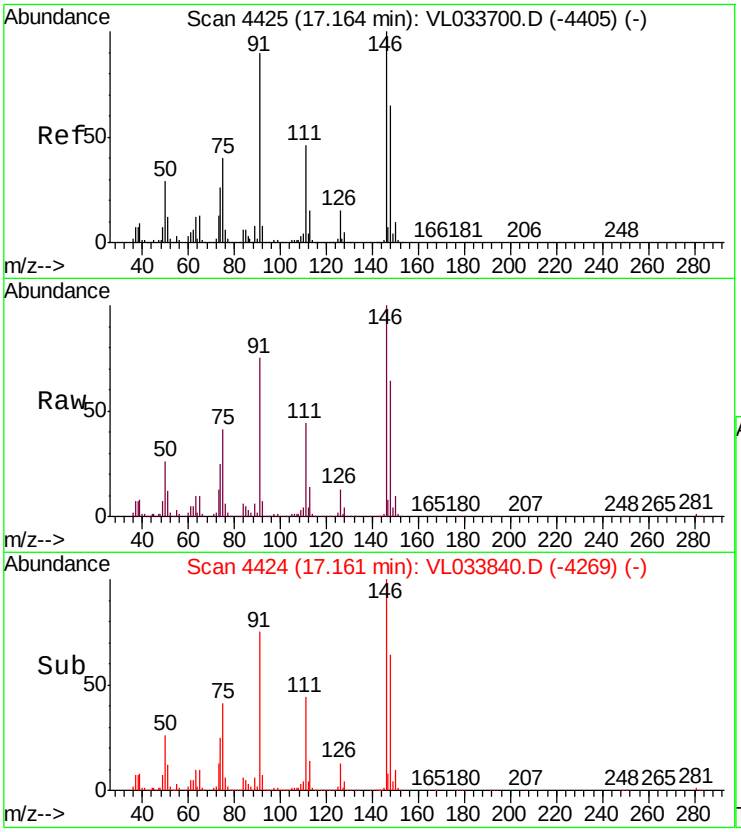


#74
1,2,4-Trimethylbenzene
Concen: 8.193 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:105 Resp: 2821165

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.8	55.2
91	48.5	35.4	53.0
77	20.3	16.8	25.2



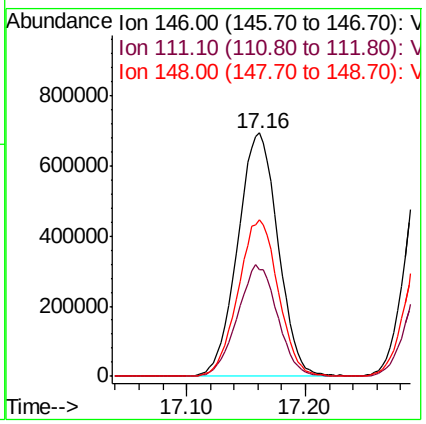


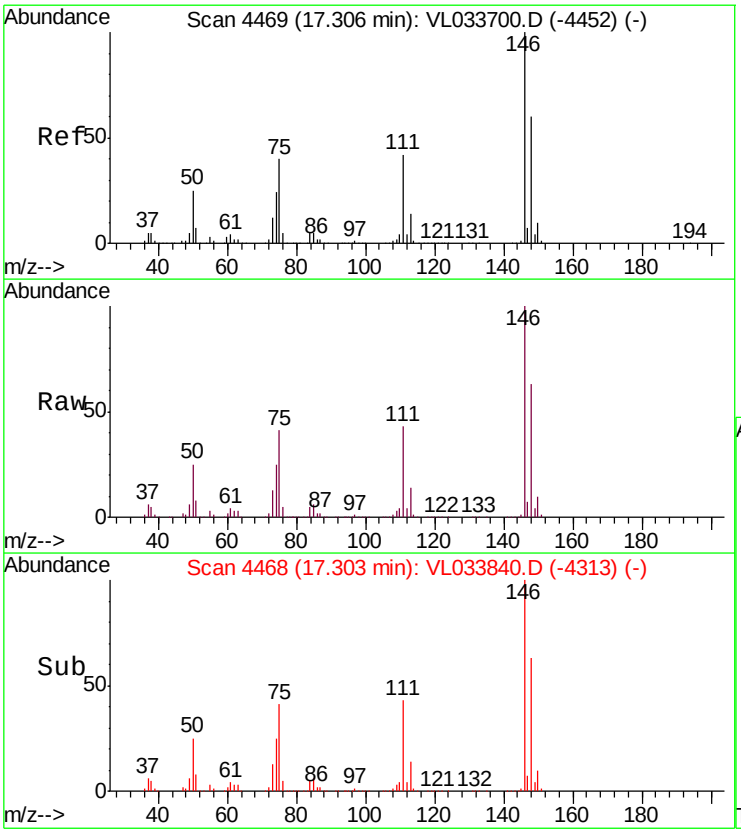
#75
1,3-Dichlorobenzene
Concen: 7.707 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1626084

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.8
148	64.2	32.0	96.2

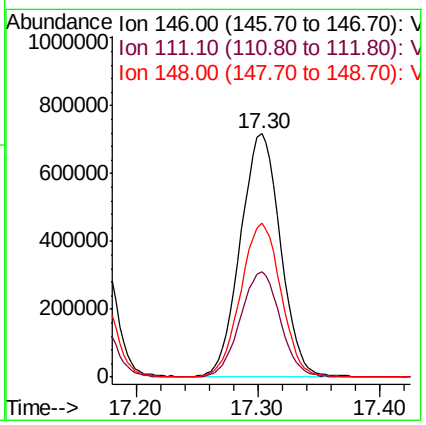


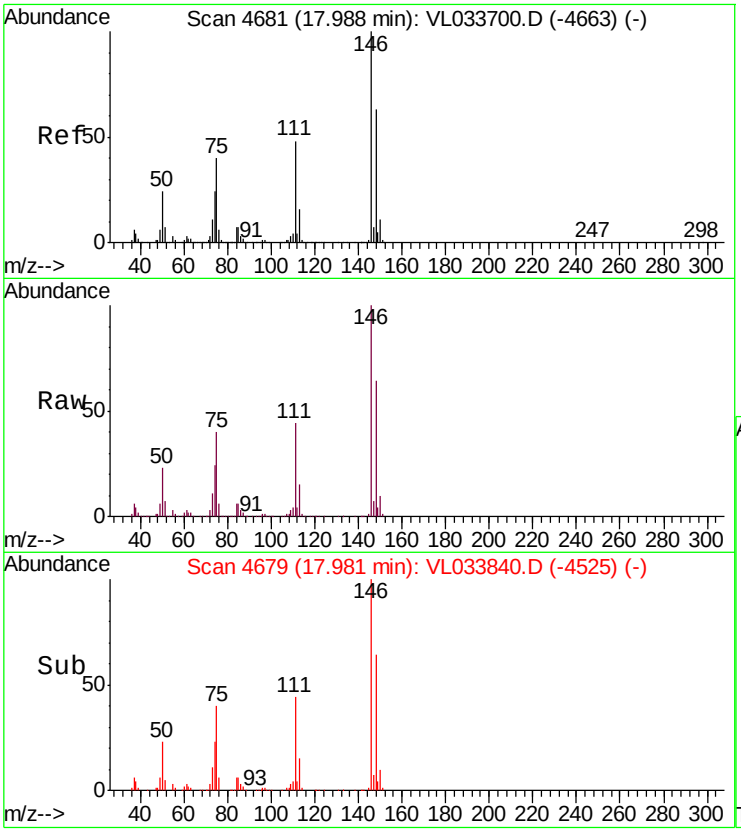


#76
1,4-Dichlorobenzene
Concen: 8.058 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:146 Resp: 1615892

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.8
148	64.4	32.1	96.3



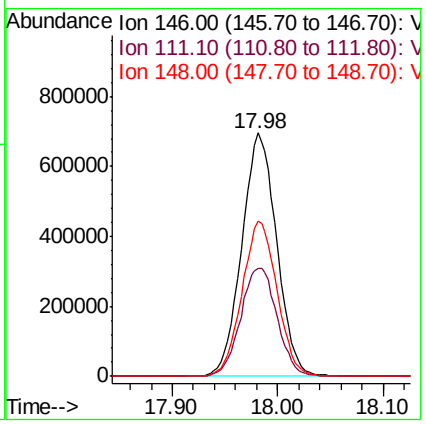


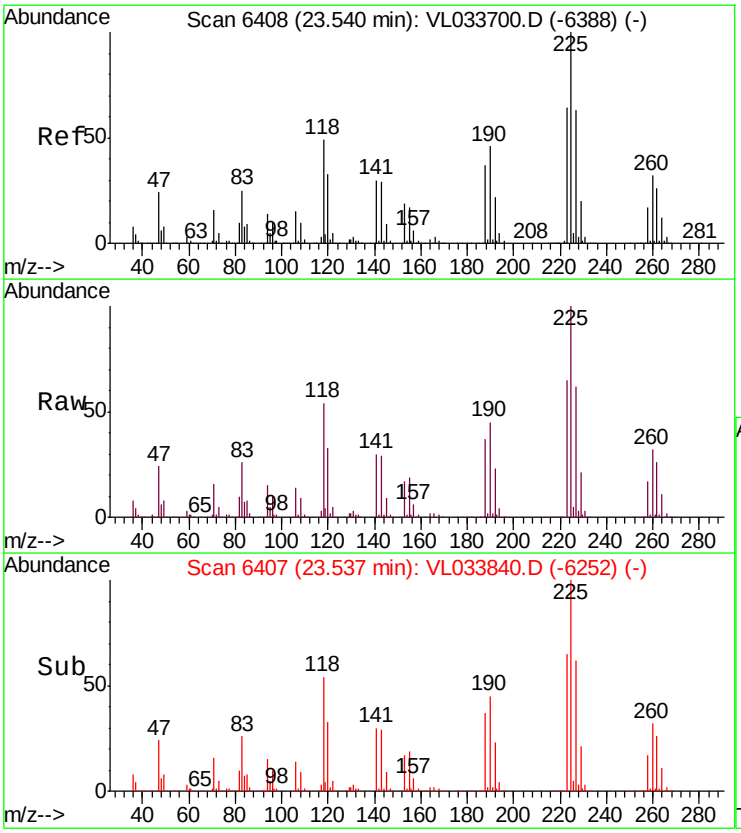
#77
1,2-Dichlorobenzene
Concen: 8.076 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1601204

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	64.2	32.1	96.3

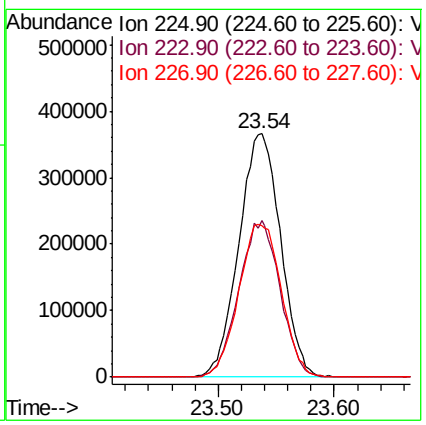


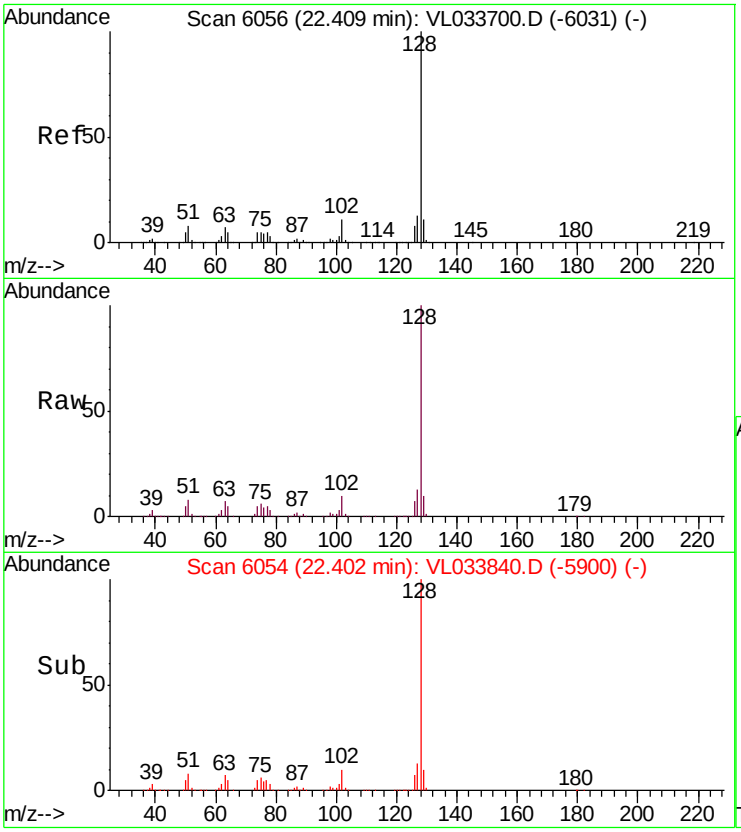


#78
Hexachloro-1,3-Butadiene
Concen: 6.114 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:225 Resp: 916484

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.4
227	64.1	50.7	76.1



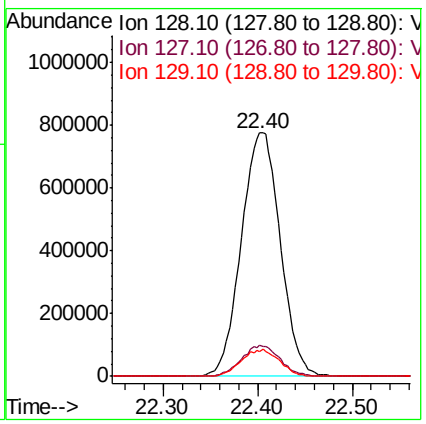


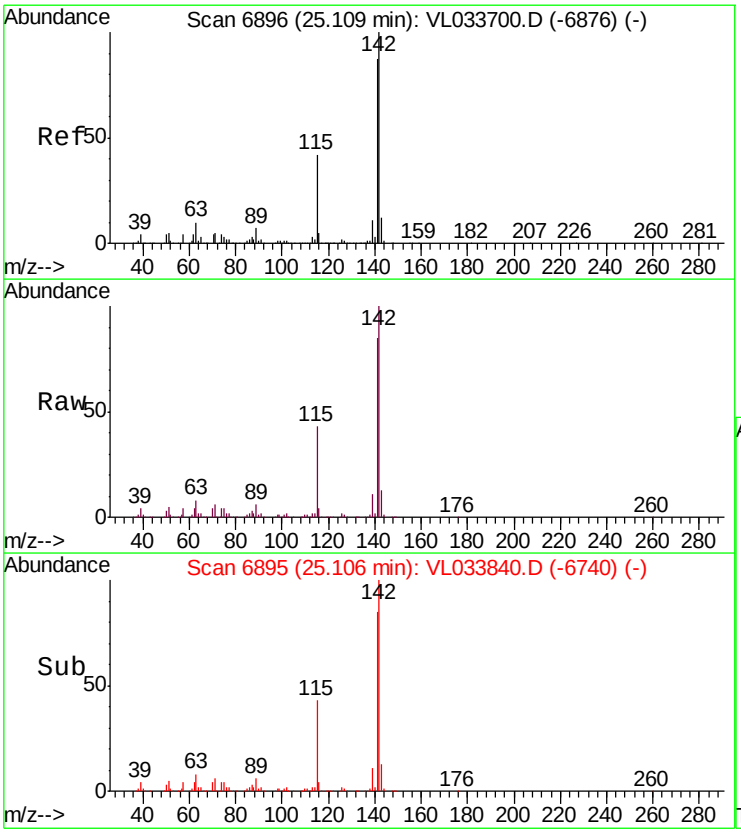
#79
Naphthalene
Concen: 6.924 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2214262

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.3	8.9	13.3

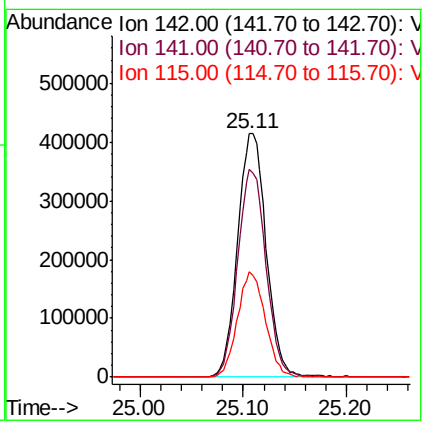


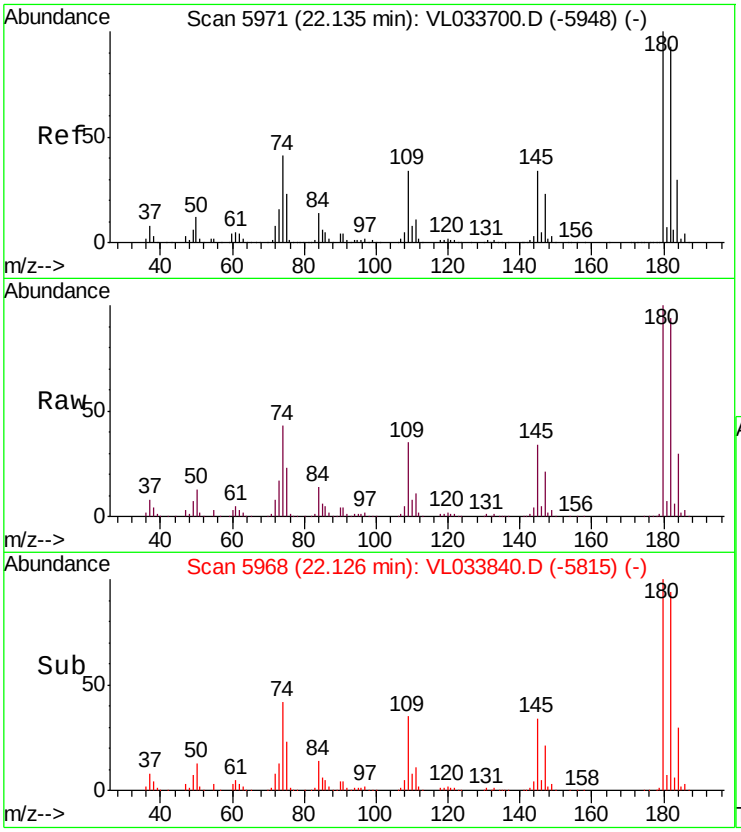


#80
Naphthalene,2-methyl-
Concen: 6.594 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Tgt Ion:142 Resp: 801276

Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.2	100.8
115	42.0	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.917 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033840.D
Acq: 29 May 2019 16:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1295352

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.6	24.6	37.0