Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033616.D
Acq On : 1 May 2019 13:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: May 02 04:07:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	1141177	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2671082	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2792278	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2273617	10.62	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	209887	1.220	ppbv		97
3) Chlorodifluoromethane	3.00	51	164055	1.123	ppbv		93
4) Chloromethane	3.16	50	79071	1.064	ppbv		95
5) Vinyl Chloride	3.28	62	75987	0.975	ppbv		95
6) Bromomethane	3.51	94	47893	1.044	ppbv		96
7) Chloroethane	3.59	64	27941	1.075	ppbv		89
8) Dichlorotetrafluoroethane	3.21	85	209298	1.119	ppbv		97
9) Propene	3.02	41	58061	1.486	ppbv		88
10) Heptane	8.24	43	144199	0.998	ppbv		98
11) Trichlorofluoromethane	4.00	101	219832	1.075	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.54	101	147114	1.049	ppbv		98
13) Ethanol	3.63	45	9515	0.537	ppbv	#	38
14) Bromoethene	3.78	108	58769	1.021	ppbv	#	96
15) Acetone	3.89	43	153310	1.103	ppbv		99
16) 1,3-Butadiene	3.35	39	65700	1.051	ppbv		96
17) tert-Butyl alcohol	4.35	59	129382	1.079	ppbv		100
18) 1,1-Dichloroethene	4.34	96	65283	1.072	ppbv		95
19) Isopropyl Alcohol	4.01	45	109746	1.151	ppbv	#	96
20) Methylene Chloride	4.40	84	58020	1.072	ppbv		95
21) Allyl Chloride	4.47	41	88874	1.017	ppbv		99
22) trans-1,2-Dichloroethene	4.95	96	62826	1.053	ppbv		85
23) Vinyl Acetate	5.14	43	205041	0.992	ppbv	#	98
24) 1,1-Dichloroethane	5.08	63	160784	1.045	ppbv		100
25) Ethyl Acetate	5.76	43	277231	1.051	ppbv		99
26) Hexane	5.77	57	113667	1.024	ppbv		92
27) Carbon Disulfide	4.62	76	130182	0.968	ppbv	#	91
28) Methyl tert-Butyl Ether	5.11	73	190299	1.016	ppbv		100
29) Chloroform	5.84	83	214370	1.053	ppbv		97
30) Cyclohexane	7.24	84	91385	0.949	ppbv		96
31) cis-1,2-Dichloroethene	5.63	61	109705	0.979	ppbv		95
32) 1,1,1-Trichloroethane	6.61	97	227589	1.068	ppbv		99
34) 2-Butanone	5.32	43	165118	1.007	ppbv		98
35) Carbon Tetrachloride	7.12	117	218137	1.031	ppbv		92
36) Benzene	7.00	78	229225	1.007	ppbv		95
37) 1,2-Dichloroethane	6.40	62	161546	1.068	ppbv		99
38) Trichloroethene	7.95	130	93162	1.022	ppbv		95
39) 1,2-Dichloropropane	7.72	63	91712	1.069	ppbv		95
40) 1,4-Dioxane	7.97	88	31916	0.916	ppbv	#	1
41) Tetrahydrofuran	6.15	42	90901	1.038	ppbv		98
42) Bromodichloromethane	7.90	83	207505	1.014	ppbv		100
43) Methyl Methacrylate	8.13	69	84250	0.978	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033616.D
Acq On : 1 May 2019 13:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: May 02 04:07:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration

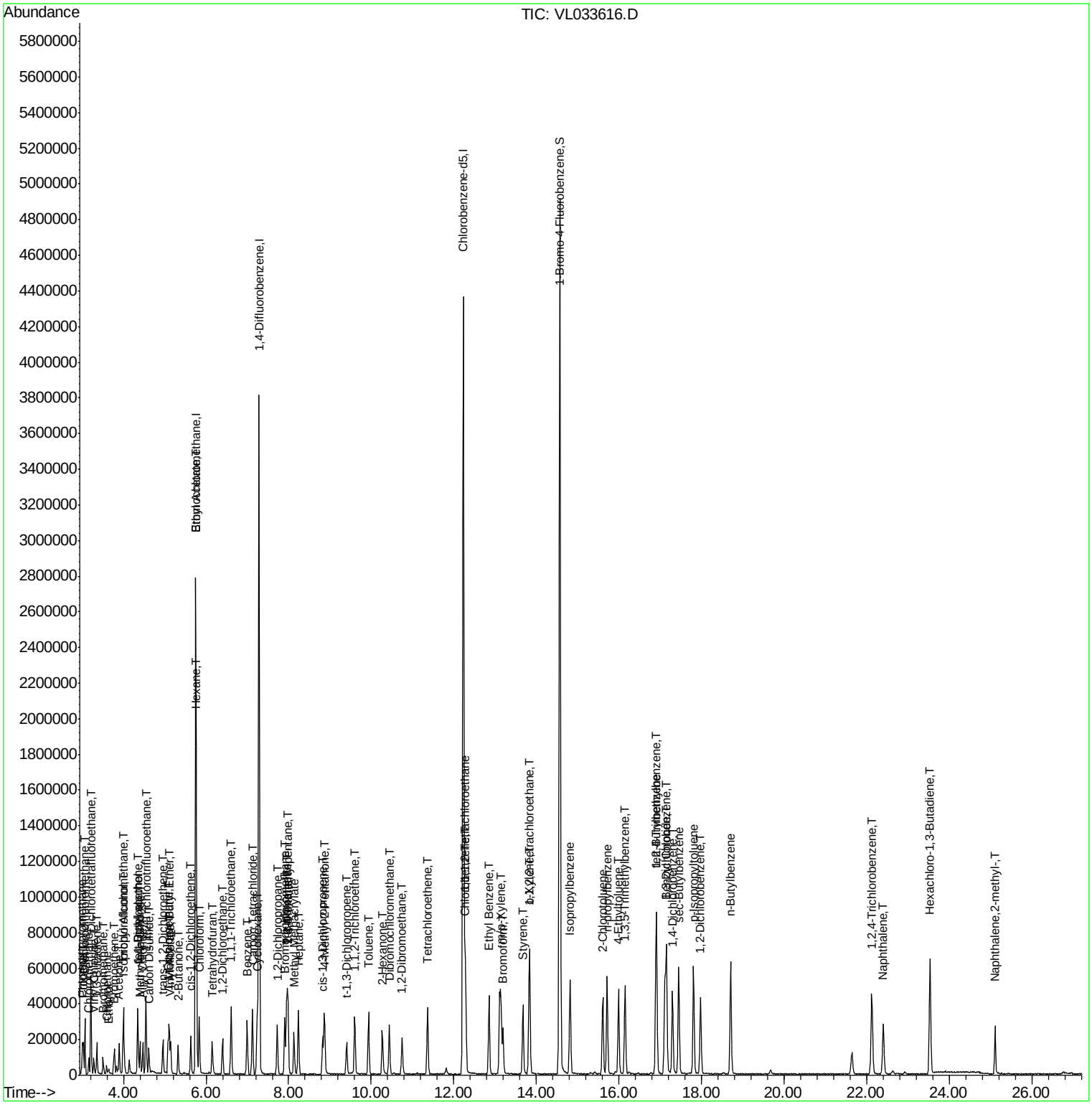
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	421133	1.062	ppbv		97
45) t-1,3-Dichloropropene	9.41	75	99330	0.868	ppbv		92
46) cis-1,3-Dichloropropene	8.82	75	118283	0.916	ppbv		93
47) 1,1,2-Trichloroethane	9.60	97	57996	0.518	ppbv		95
48) Dibromochloromethane	10.44	129	75210	0.397	ppbv	#	1
49) Bromoform	13.19	173	133888	0.922	ppbv		98
50) 4-Methyl-2-Pentanone	8.87	43	263778	1.027	ppbv		98
51) 2-Hexanone	10.27	43	199401	0.884	ppbv	#	94
52) Tetrachloroethene	11.36	164	55544	0.635	ppbv		95
53) Toluene	9.94	91	255622	0.890	ppbv		97
54) 1,2-Dibromoethane	10.75	107	155171	1.008	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.27	131	128600	1.055	ppbv	#	1
57) Chlorobenzene	12.29	112	235792	1.086	ppbv		96
58) Ethyl Benzene	12.86	91	353112	1.087	ppbv		94
59) m/p-Xylene	13.13	91	94337	0.336	ppbv	#	100
60) o-Xylene	13.84	91	315664	1.118	ppbv		98
61) Styrene	13.67	104	205940	1.066	ppbv		97
62) Isopropylbenzene	14.81	105	416979	1.105	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.82	83	246001	1.113	ppbv		99
64) n-propylbenzene	15.71	120	108705	1.111	ppbv		89
65) tert-Butylbenzene	16.89	119	203880	0.578	ppbv	#	19
66) Benzyl Chloride	17.15	91	148616	0.927	ppbv		99
67) sec-Butylbenzene	17.45	105	536113	1.082	ppbv		99
69) p-Isopropyltoluene	17.80	119	440413	1.068	ppbv		98
70) n-Butylbenzene	18.70	91	481310	1.073	ppbv		98
71) 2-Chlorotoluene	15.61	91	309466	1.096	ppbv		99
72) 4-Ethyltoluene	15.99	105	358285	1.114	ppbv	#	98
73) 1,3,5-Trimethylbenzene	16.15	105	350448	1.108	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	171260	0.486	ppbv		93
75) 1,3-Dichlorobenzene	17.15	146	245238	1.118	ppbv		98
76) 1,4-Dichlorobenzene	17.29	146	222354	1.062	ppbv		98
77) 1,2-Dichlorobenzene	17.97	146	218519	1.069	ppbv		99
78) Hexachloro-1,3-Butadiene	23.53	225	174277	1.118	ppbv		98
79) Naphthalene	22.40	128	340414	1.045	ppbv		97
80) Naphthalene,2-methyl-	25.11	142	124171	0.879	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	96762	0.513	ppbv	#	1

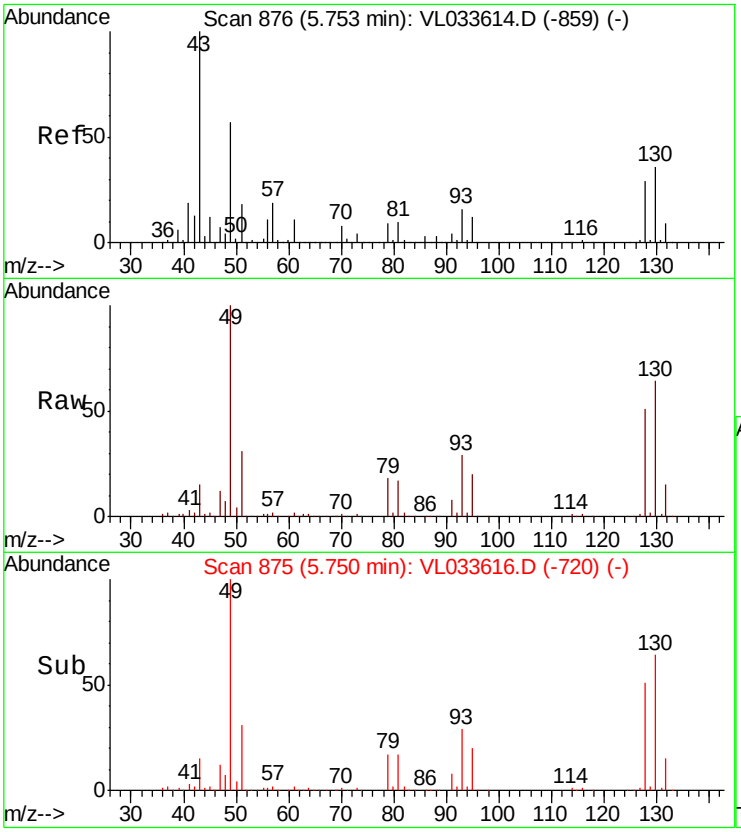
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033616.D
Acq On : 1 May 2019 13:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: May 02 04:07:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 04:03:11 2019
QLast Update : Thu May 02 04:03:11 2019
Response via : Initial Calibration



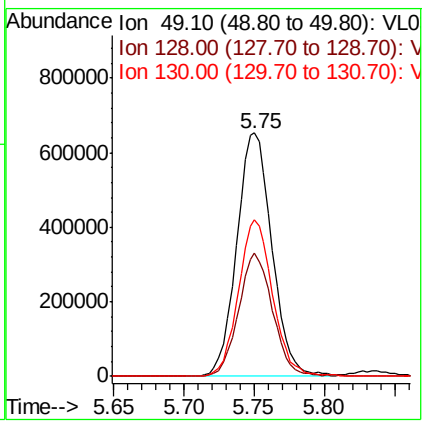


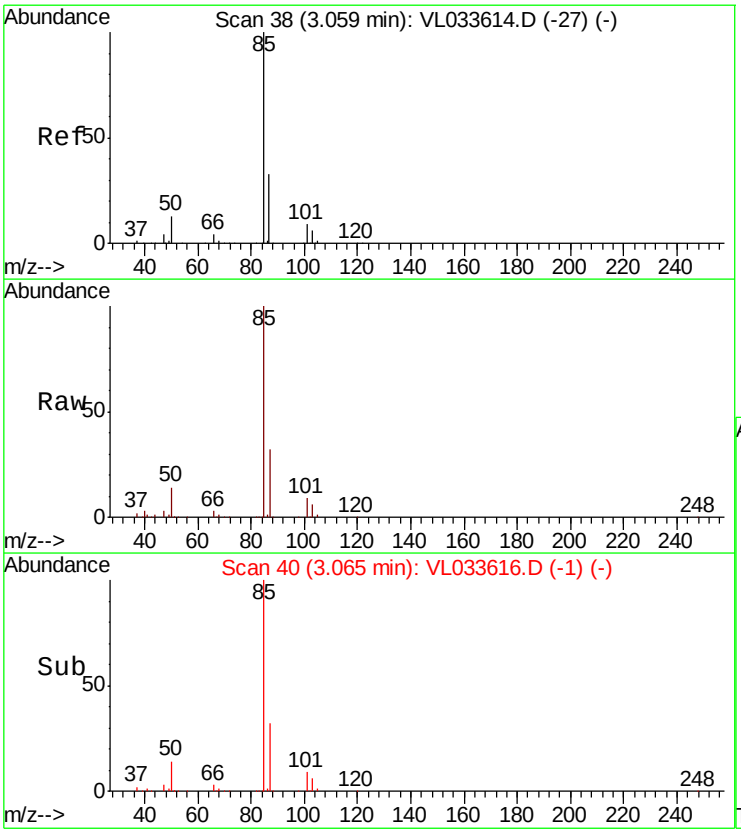
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1141177

Ion	Ratio	Lower	Upper
49	100		
128	49.2	25.0	75.0
130	62.7	31.9	95.9

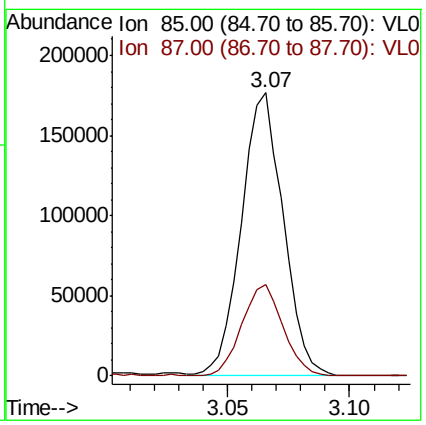


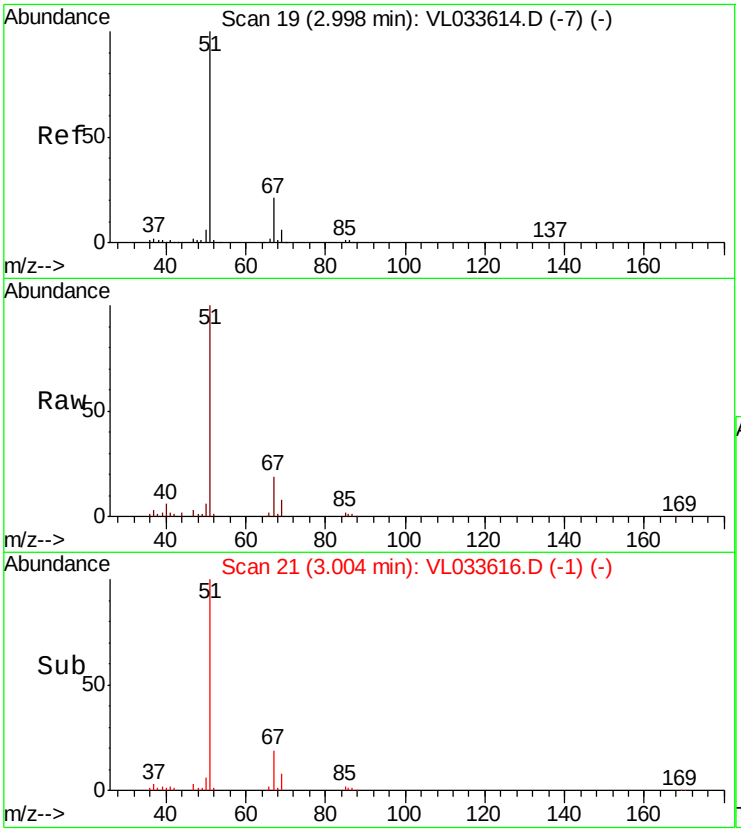


#2
Dichlorodifluoromethane
Concen: 1.220 ppbv
RT: 3.07 min Scan# 40
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 85 Resp: 209887

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.8	40.2



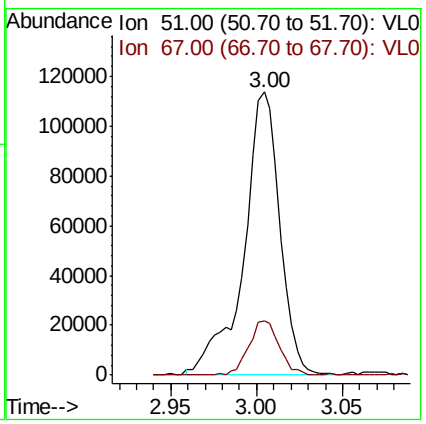


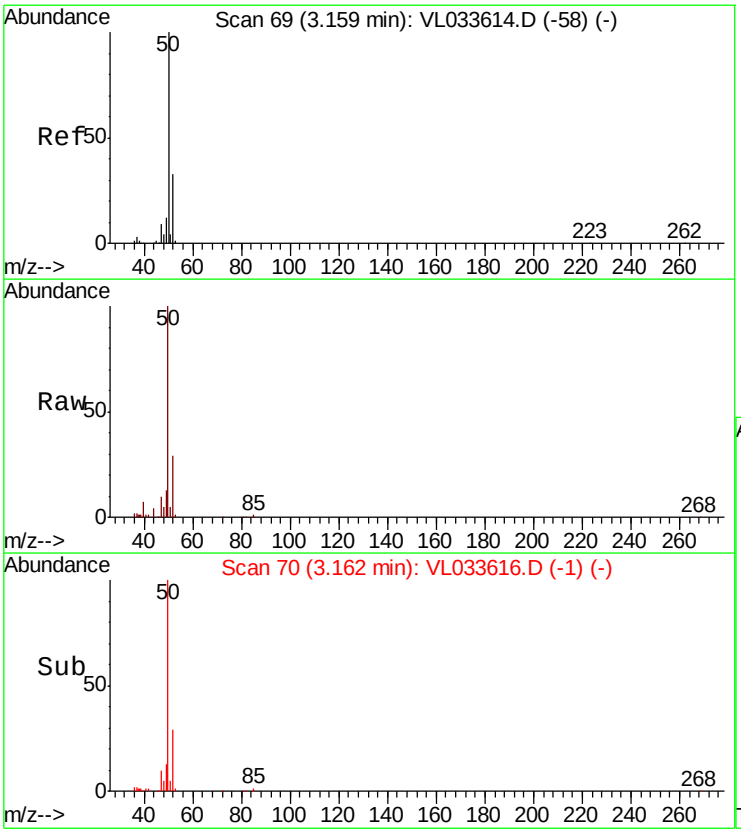
#3
Chlorodifluoromethane
Concen: 1.123 ppbv
RT: 3.00 min Scan# 21
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 51 Resp: 164055

Ion	Ratio	Lower	Upper
51	100		
67	16.5	15.6	23.4

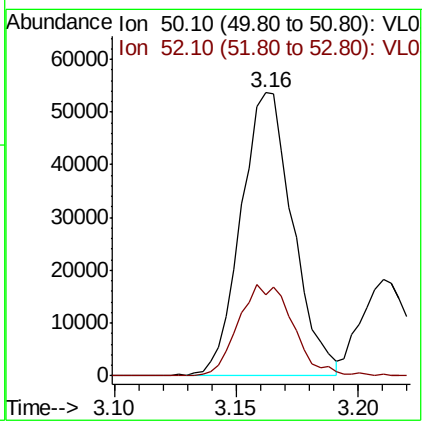


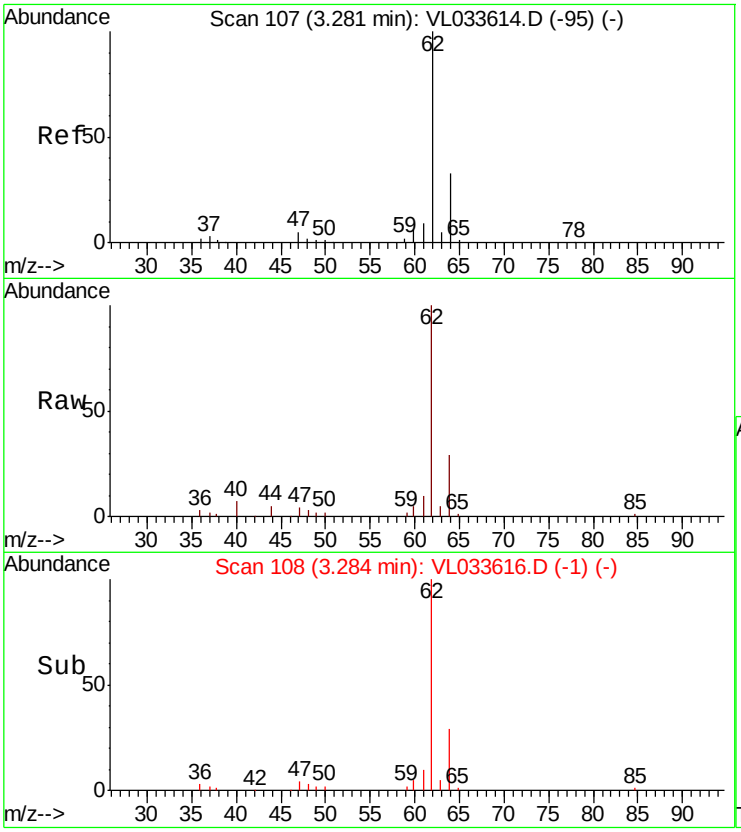


#4
Chloromethane
Concen: 1.064 ppbv
RT: 3.16 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 50 Resp: 79071

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.0	39.0



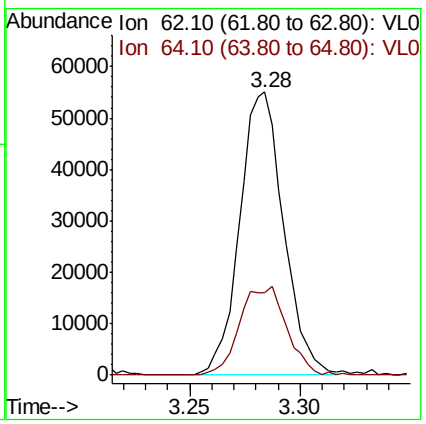


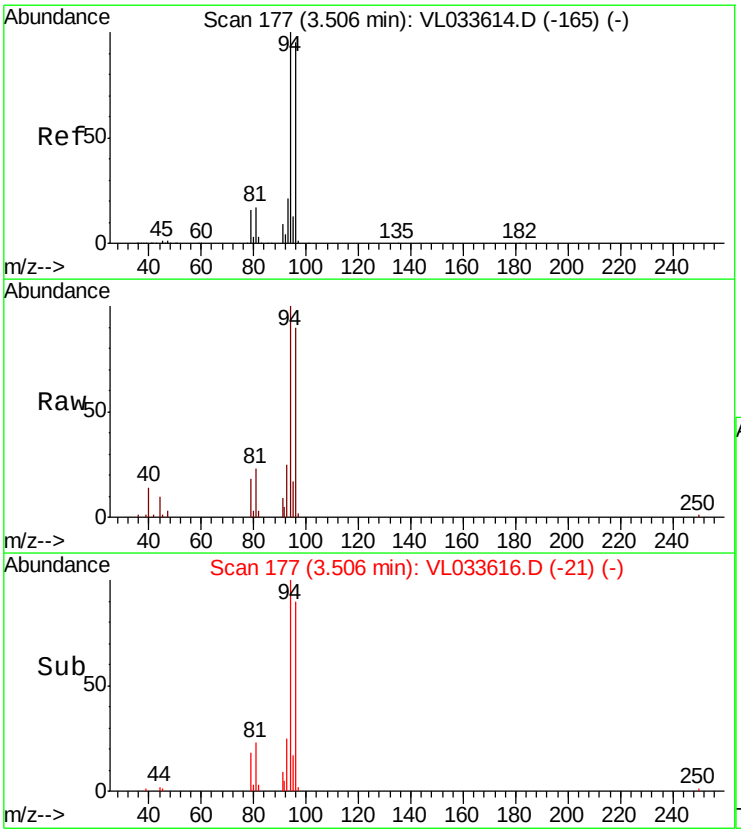
#5
Vinyl Chloride
Concen: 0.975 ppbv
RT: 3.28 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 75987

Ion	Ratio	Lower	Upper
62	100		
64	30.2	26.2	39.4

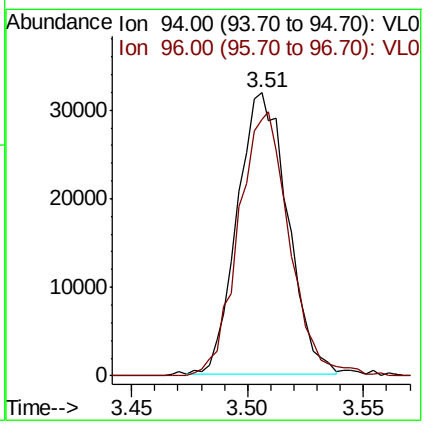


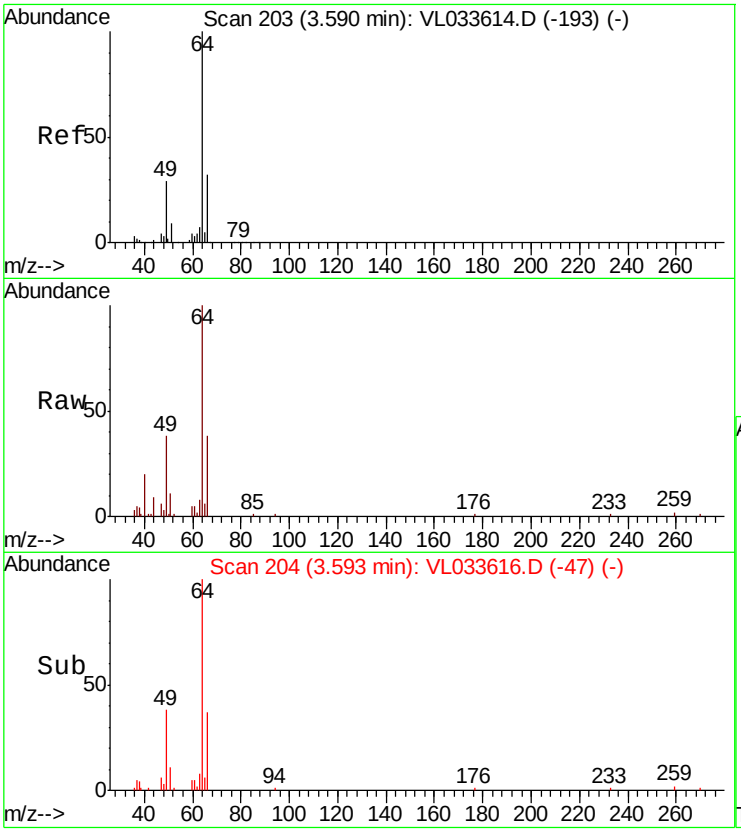


#6
Bromomethane
Concen: 1.044 ppbv
RT: 3.51 min Scan# 177
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 94 Resp: 47893

Ion	Ratio	Lower	Upper
94	100		
96	91.0	75.7	113.5



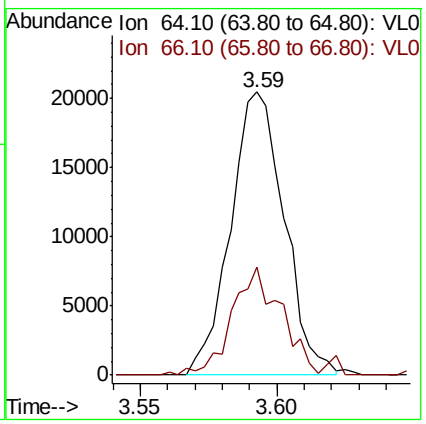


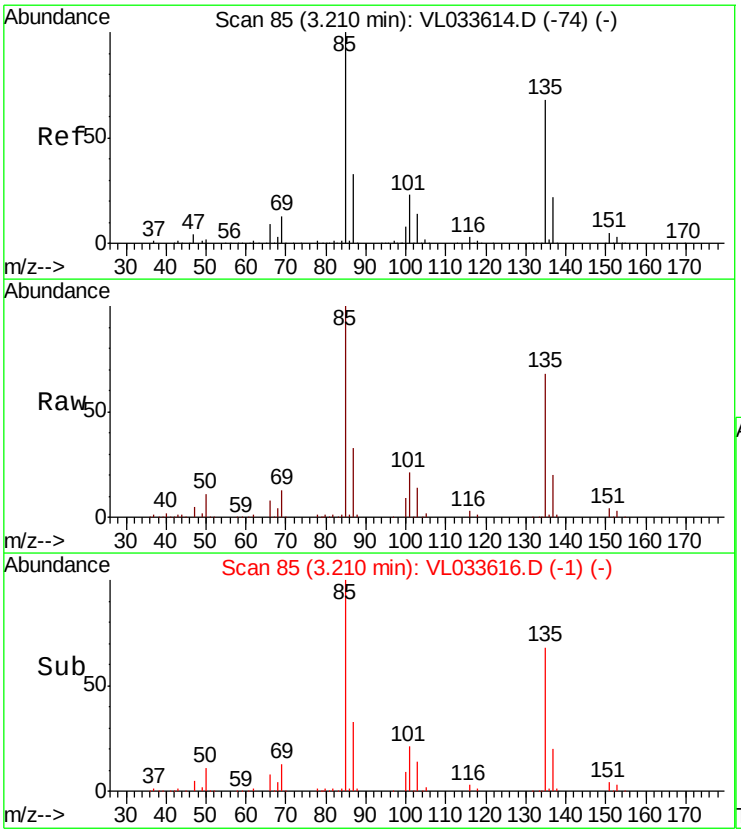
#7
Chloroethane
Concen: 1.075 ppbv
RT: 3.59 min Scan# 204
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 27941

Ion	Ratio	Lower	Upper
64	100		
66	38.1	25.4	38.2

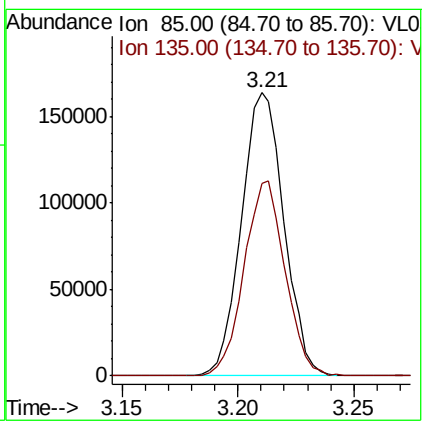


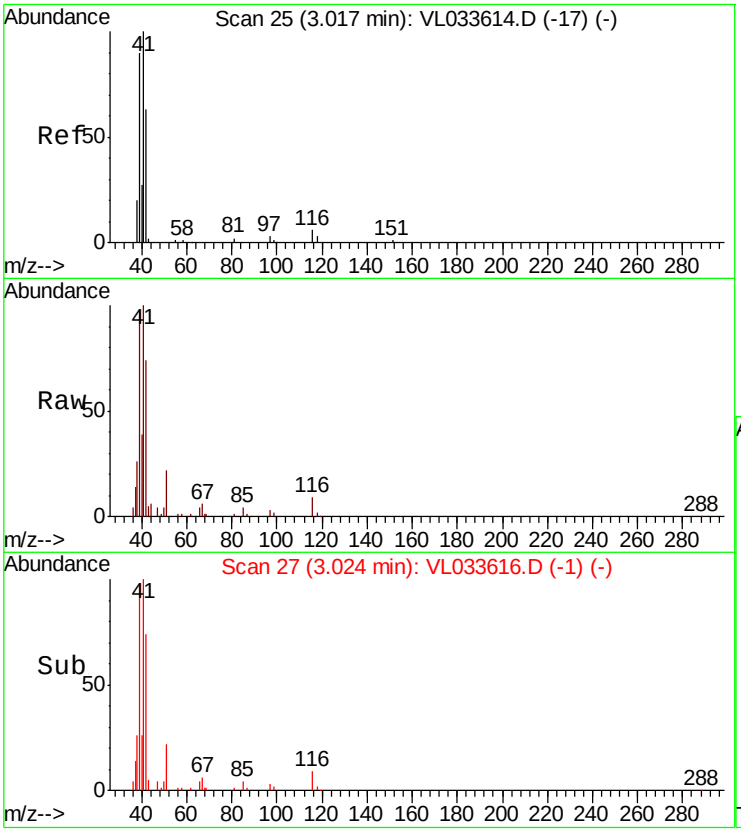


#8
Dichlorotetrafluoroethane
Concen: 1.119 ppbv
RT: 3.21 min Scan# 85
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 85 Resp: 209298

Ion	Ratio	Lower	Upper
85	100		
135	66.4	55.0	82.6



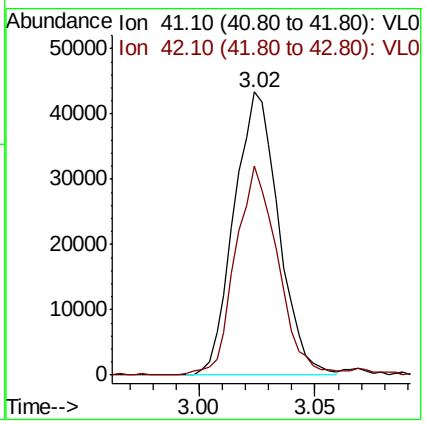


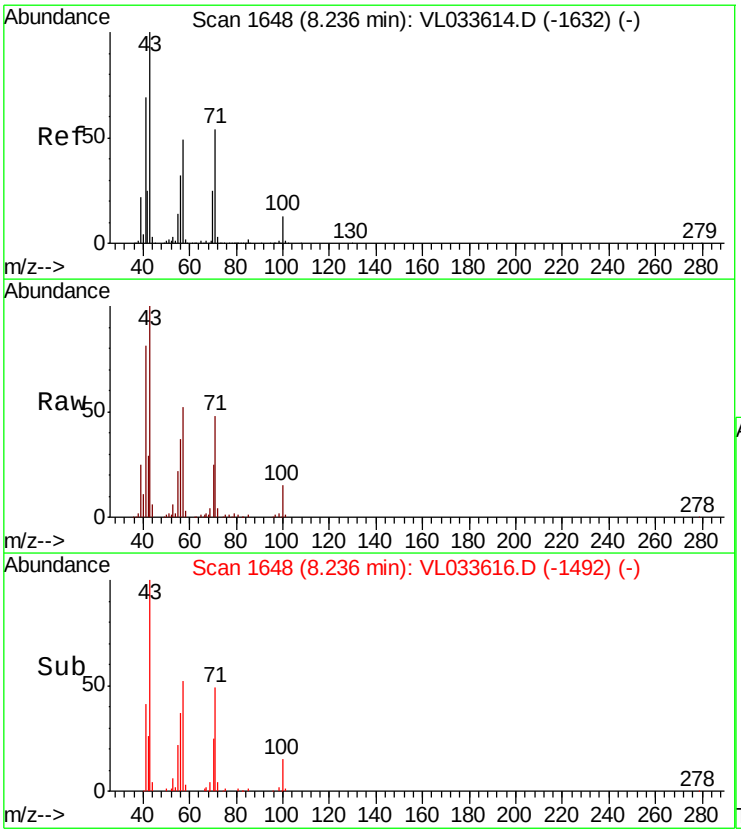
#9
Propene
Concen: 1.486 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 58061

Ion	Ratio	Lower	Upper
41	100		
42	71.7	66.0	99.0

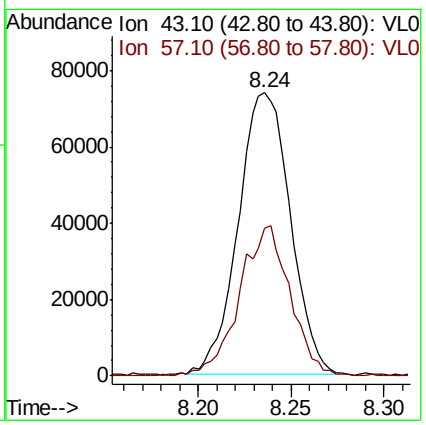


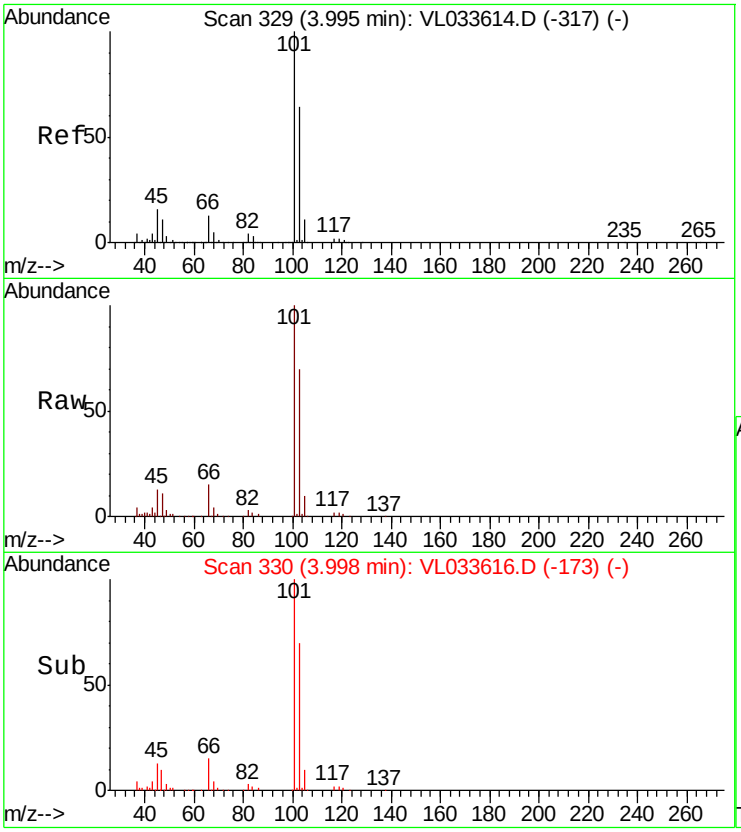


#10
Heptane
Concen: 0.998 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 43 Resp: 144199

Ion	Ratio	Lower	Upper
43	100		
57	51.8	40.3	60.5



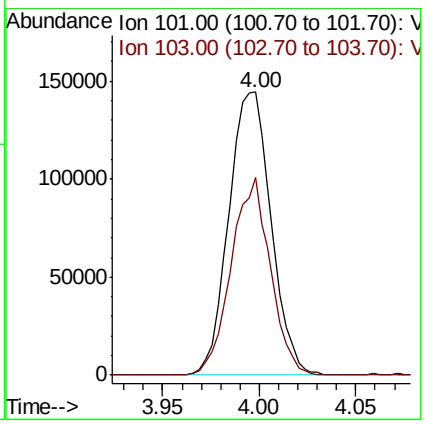


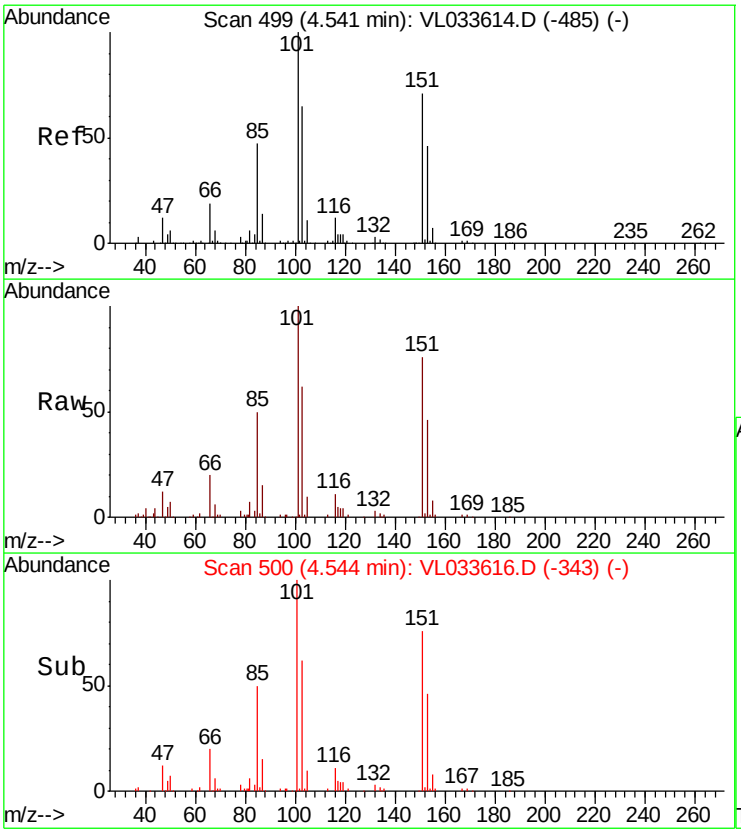
#11
Trichlorofluoromethane
Concen: 1.075 ppbv
RT: 4.00 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 219832

Ion	Ratio	Lower	Upper
101	100		
103	69.8	51.2	76.8

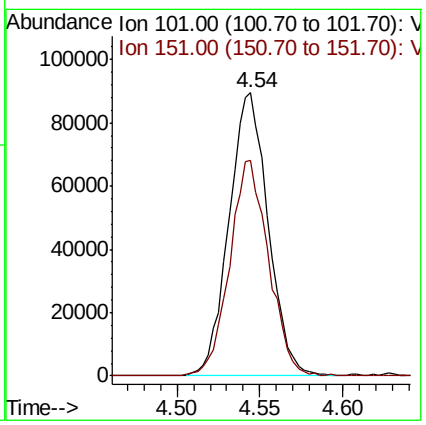


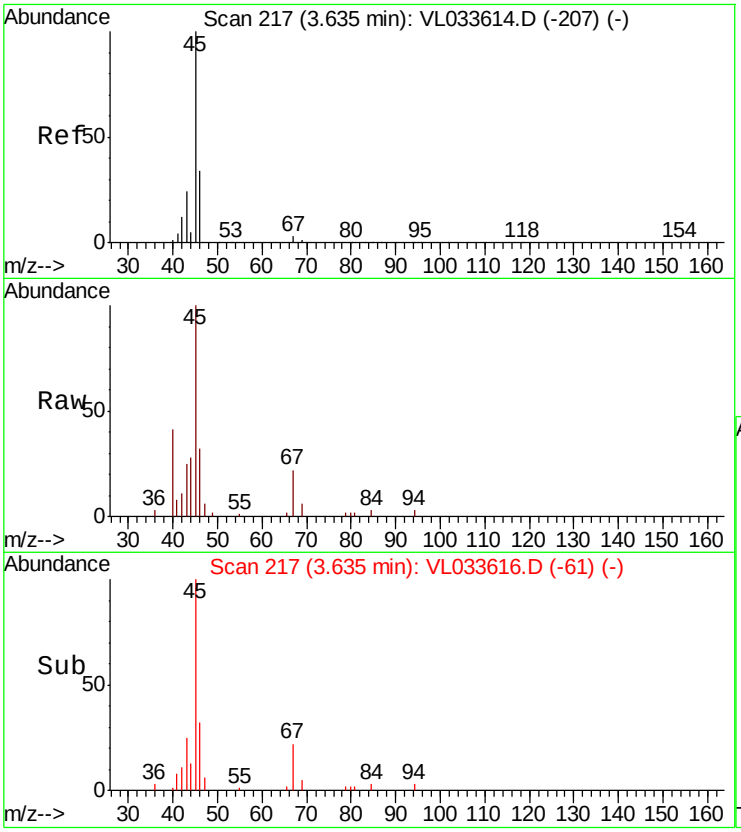


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.049 ppbv
RT: 4.54 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:101 Resp: 147114

Ion	Ratio	Lower	Upper
101	100		
151	75.5	59.2	88.8



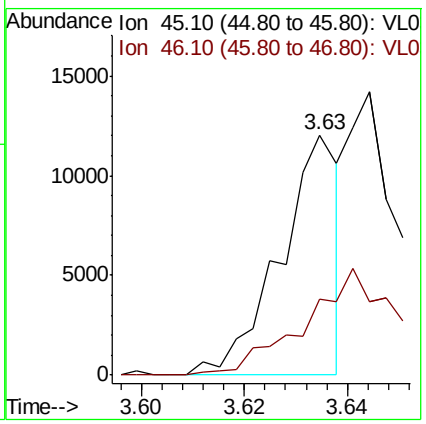


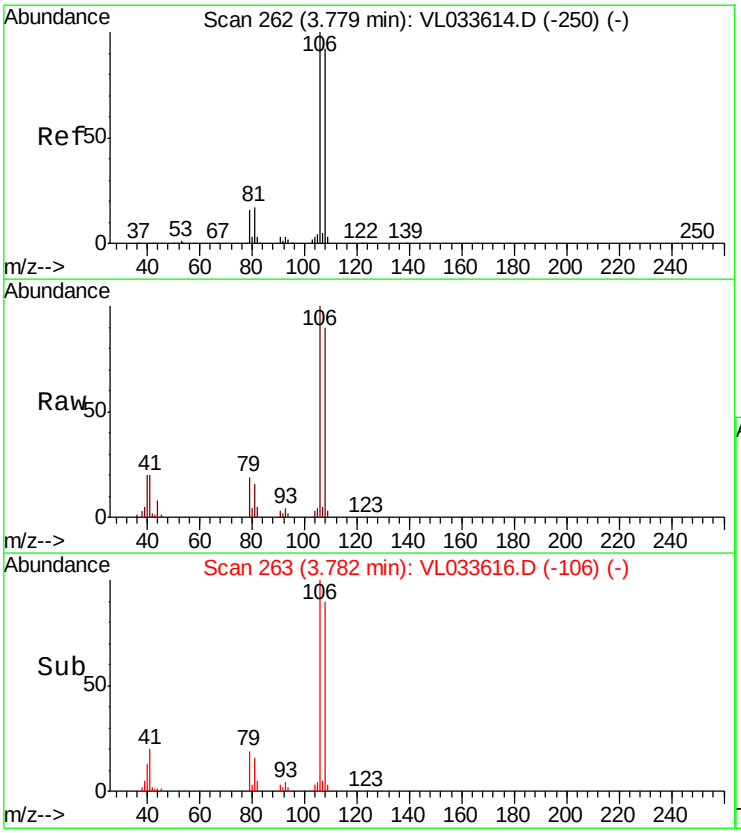
#13
Ethanol
Concen: 0.537 ppbv
RT: 3.63 min Scan# 217
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 9515

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.2#

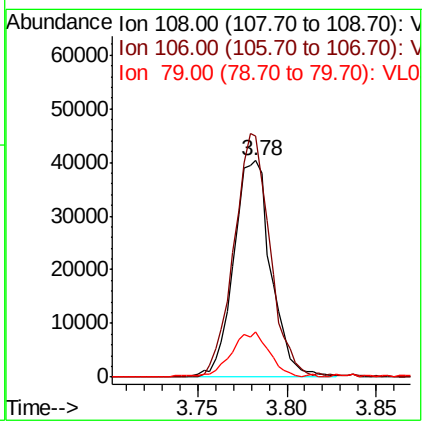


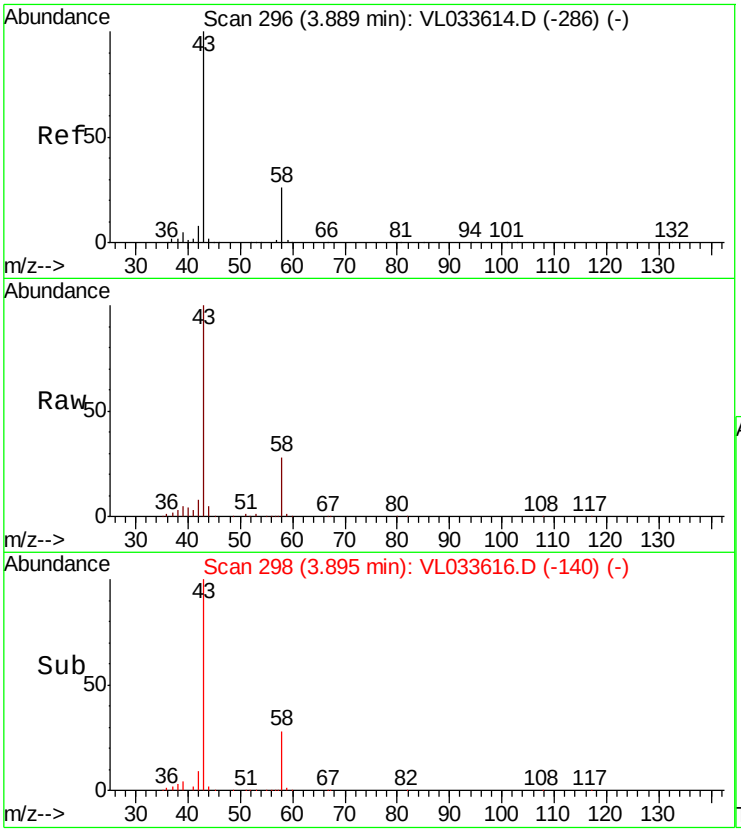


#14
Bromoethene
Concen: 1.021 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:108 Resp: 58769

Ion	Ratio	Lower	Upper
108	100		
106	109.5	84.6	127.0
79	21.6	14.4	21.6#



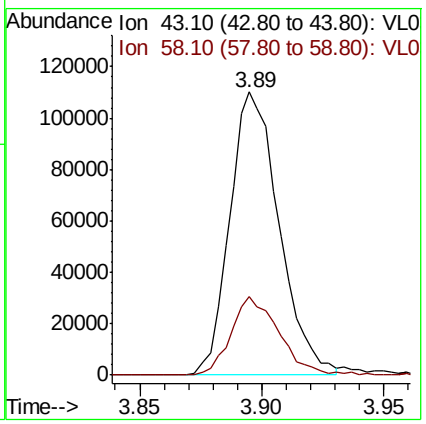


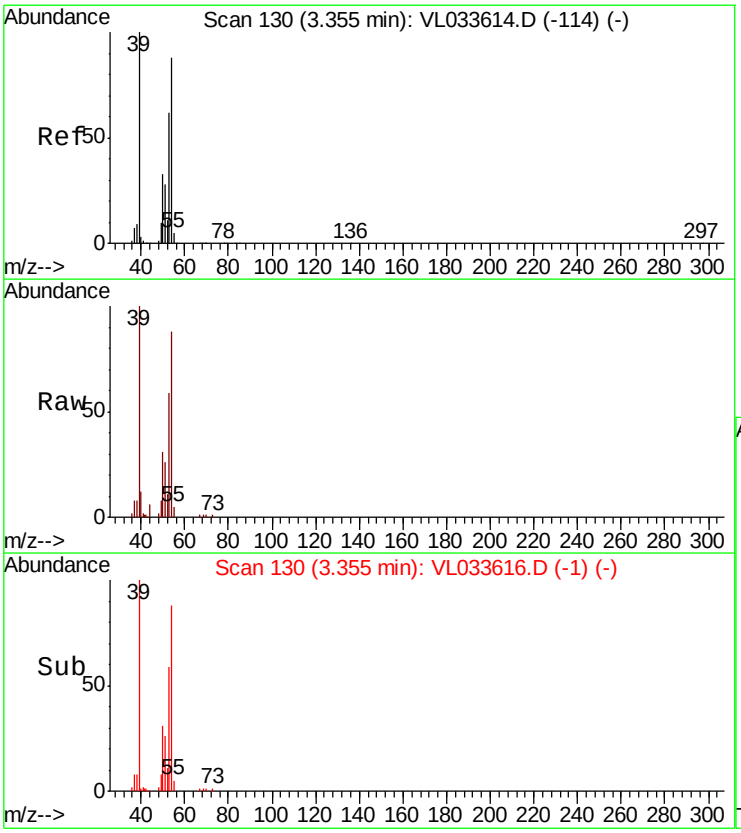
#15
Acetone
Concen: 1.103 ppbv
RT: 3.89 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 153310

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8

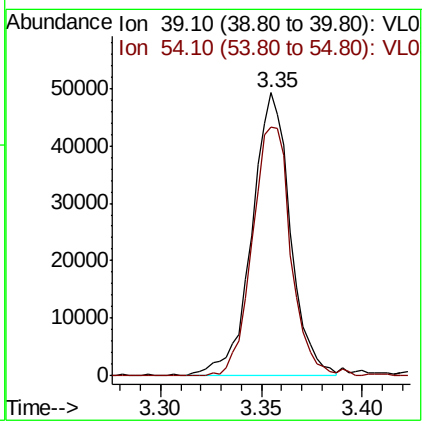


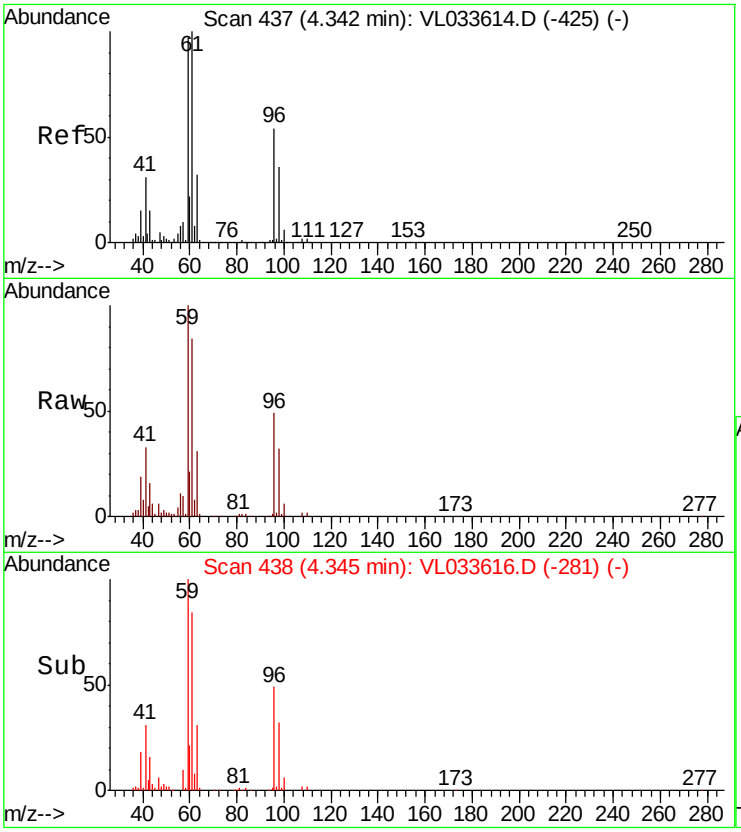


#16
1,3-Butadiene
Concen: 1.051 ppbv
RT: 3.35 min Scan# 130
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 39 Resp: 65700

Ion	Ratio	Lower	Upper
39	100		
54	88.7	68.4	102.6



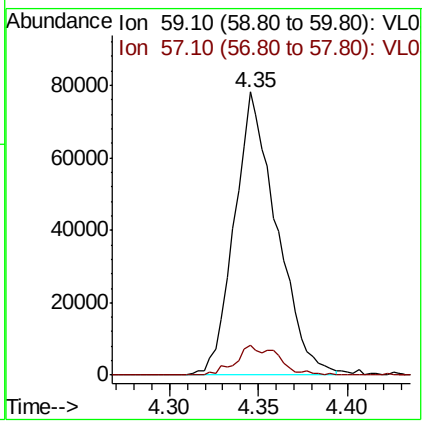


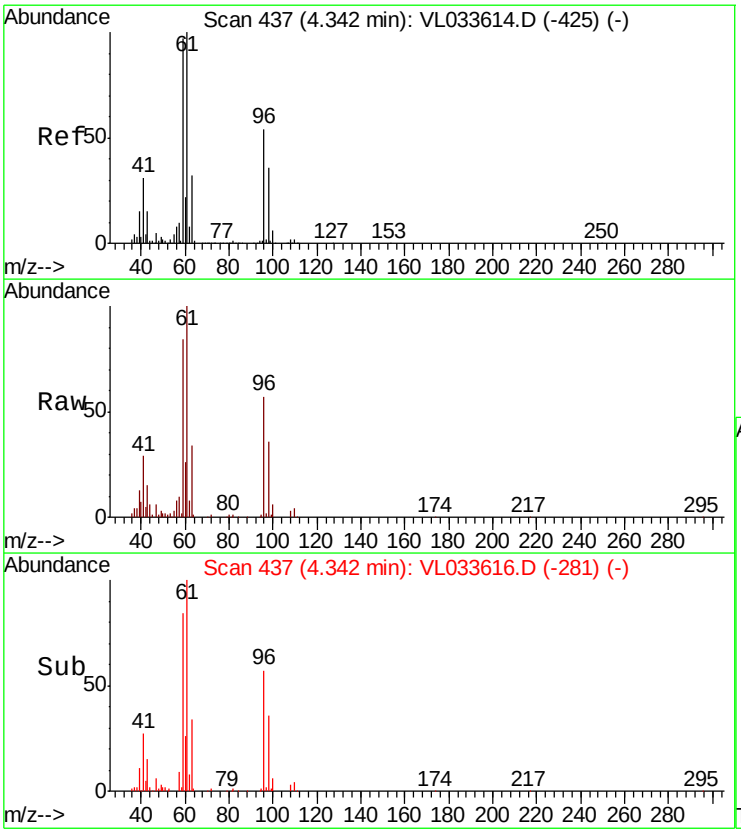
#17
tert-Butyl alcohol
Concen: 1.079 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 129382

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

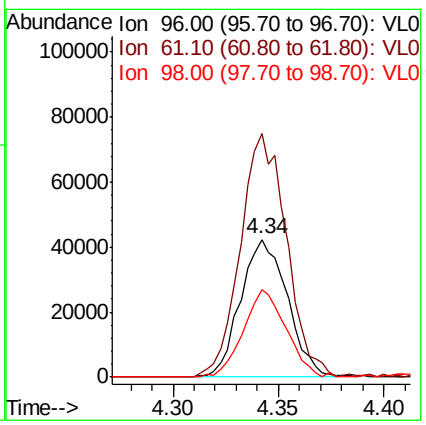


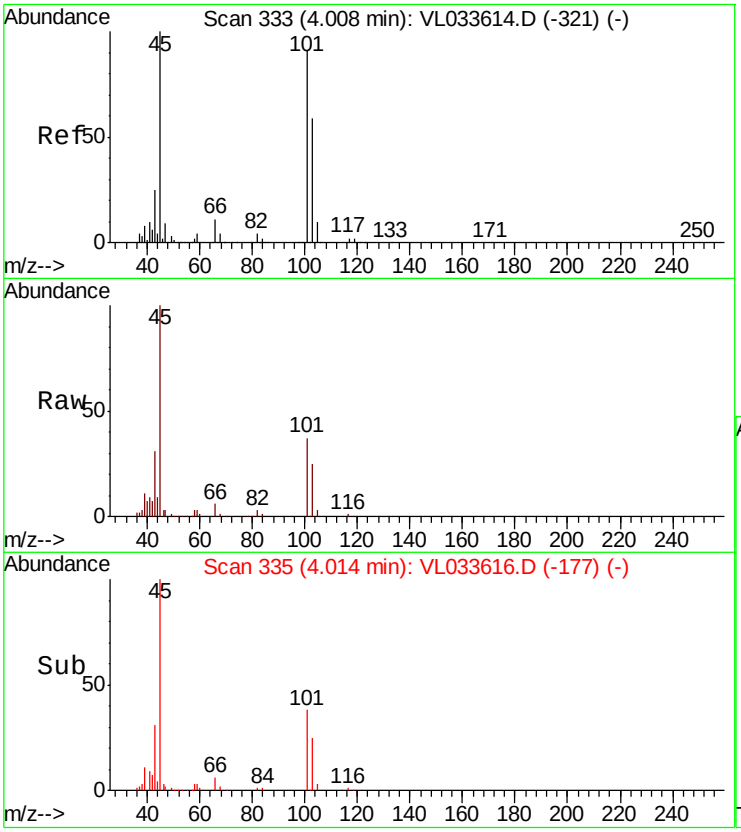


#18
1,1-Dichloroethene
Concen: 1.072 ppbv
RT: 4.34 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 96 Resp: 65283

Ion	Ratio	Lower	Upper
96	100		
61	176.8	147.3	220.9
98	63.5	53.6	80.4



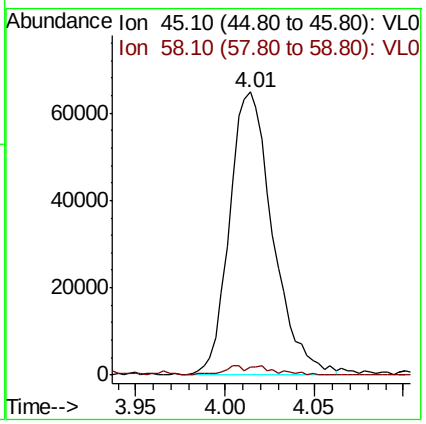


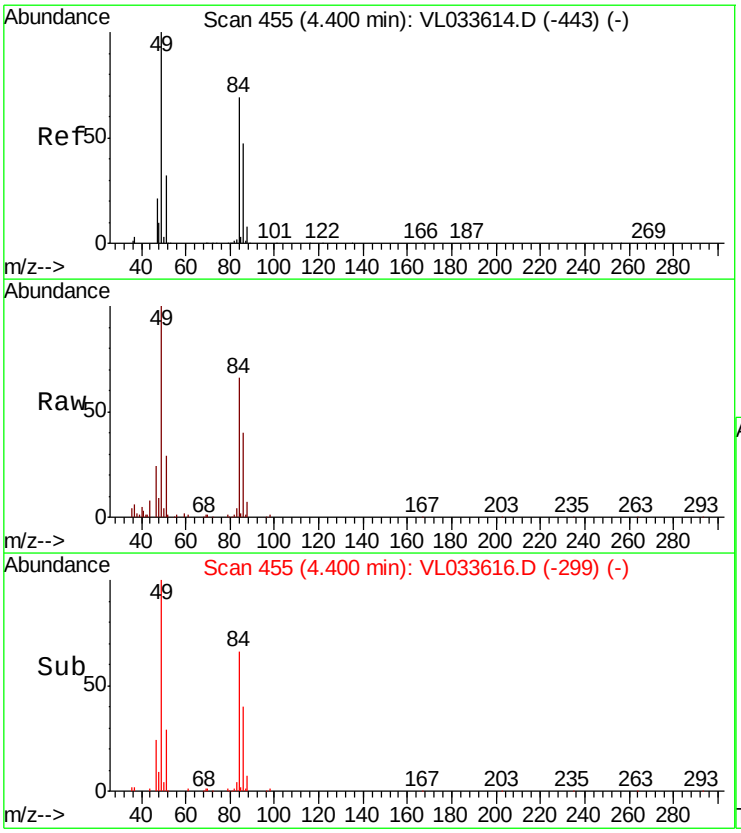
#19
Isopropyl Alcohol
Concen: 1.151 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 109746

Ion	Ratio	Lower	Upper
45	100		
58	3.6	1.8	2.6#

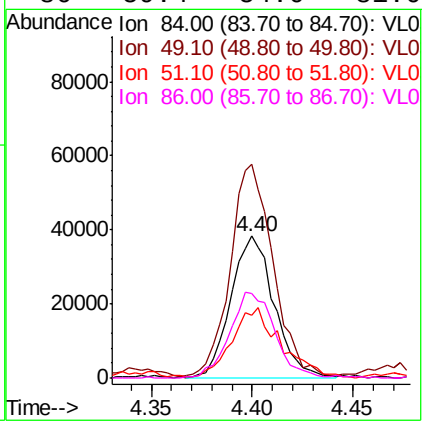


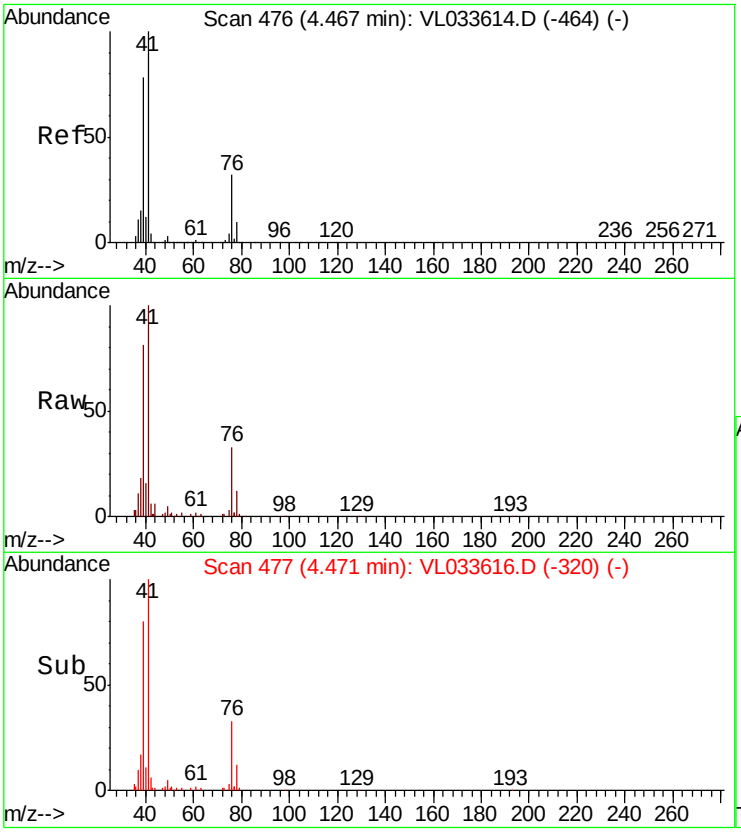


#20
Methylene Chloride
Concen: 1.072 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 84 Resp: 58020

Ion	Ratio	Lower	Upper
84	100		
49	148.8	116.2	174.2
51	43.0	37.0	55.6
86	59.4	54.0	81.0



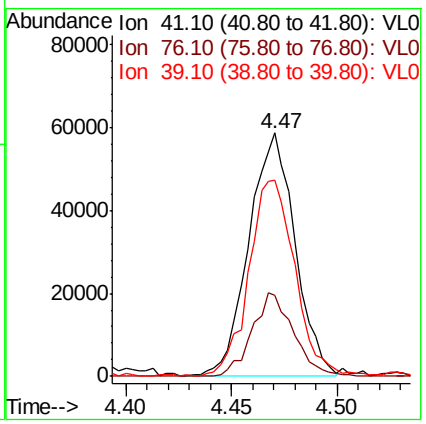


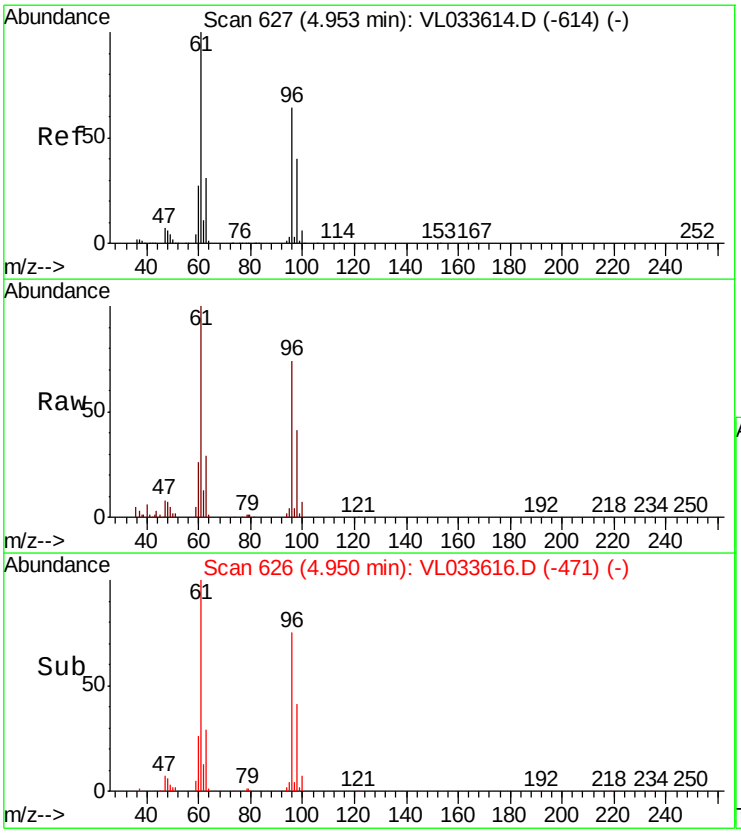
#21
Allyl Chloride
Concen: 1.017 ppbv
RT: 4.47 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 88874

Ion	Ratio	Lower	Upper
41	100		
76	31.1	25.0	37.6
39	81.6	64.6	96.8

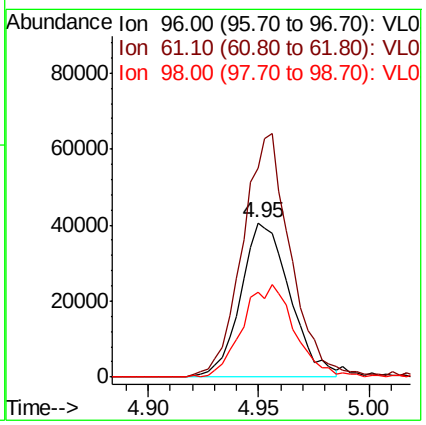


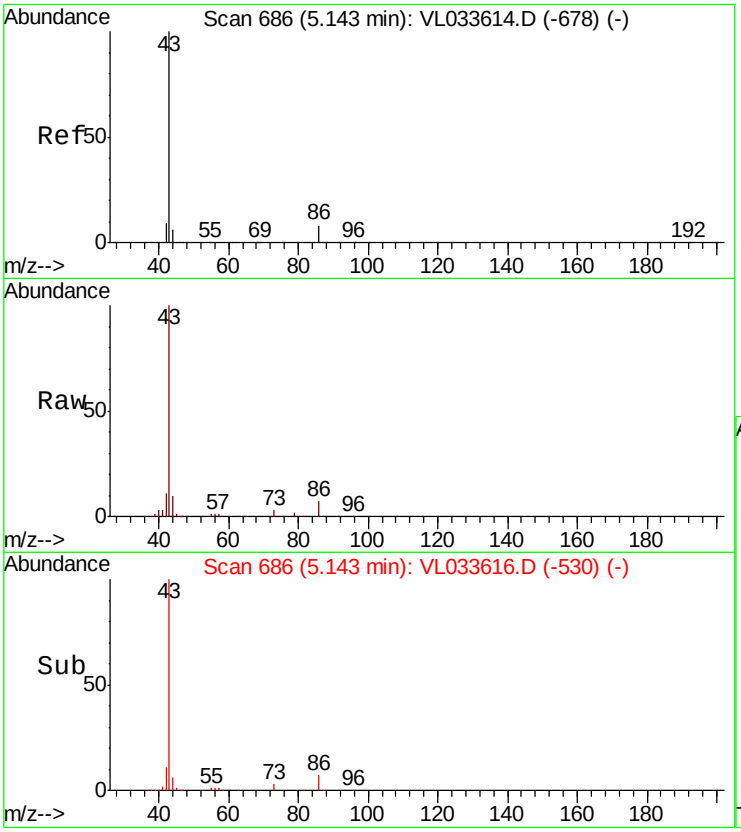


#22
trans-1,2-Dichloroethene
Concen: 1.053 ppbv
RT: 4.95 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 96 Resp: 62826

Ion	Ratio	Lower	Upper
96	100		
61	135.0	124.9	187.3
98	55.1	50.5	75.7



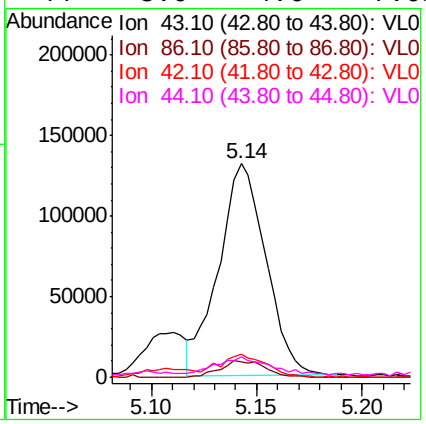


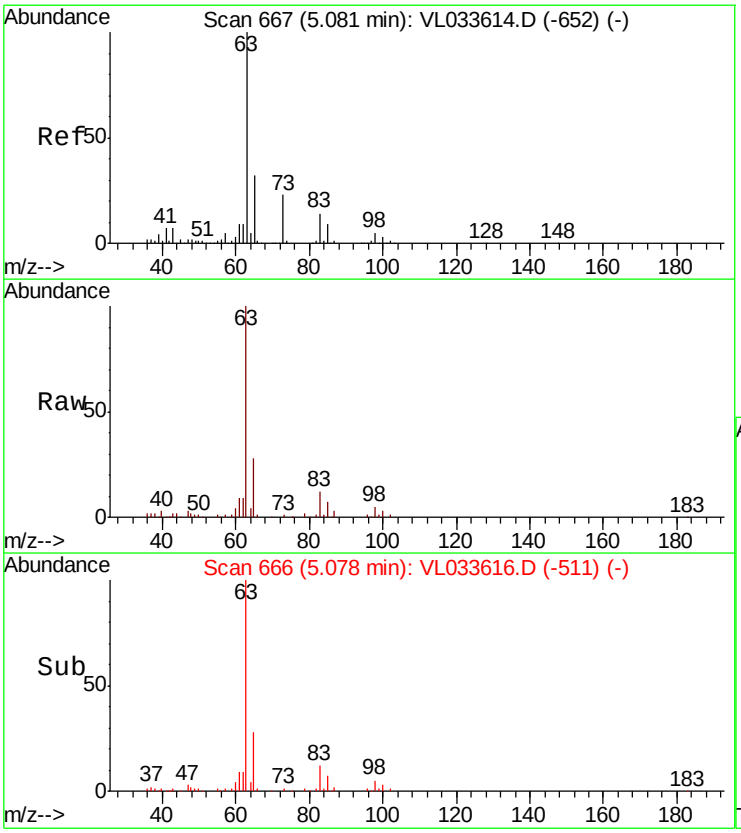
#23
Vinyl Acetate
Concen: 0.992 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 205041

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	10.5	7.8	11.8
44	8.0	4.6	7.0#

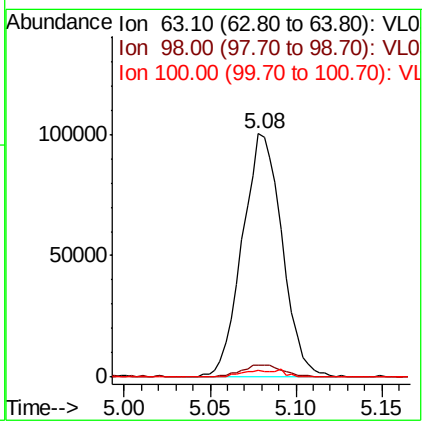


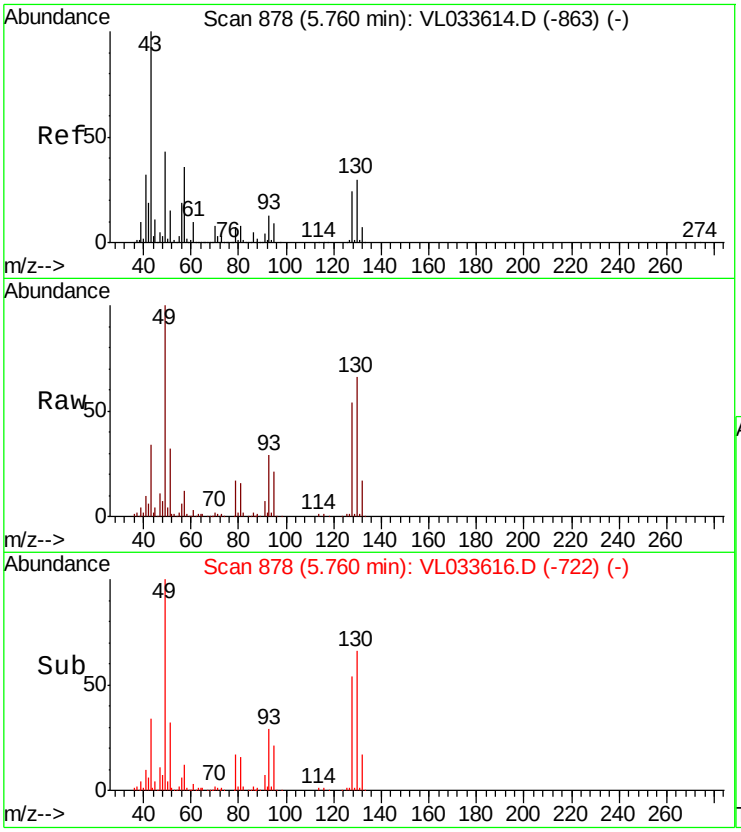


#24
1,1-Dichloroethane
Concen: 1.045 ppbv
RT: 5.08 min Scan# 666
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 63 Resp: 160784

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.2
100	2.7	1.4	4.0



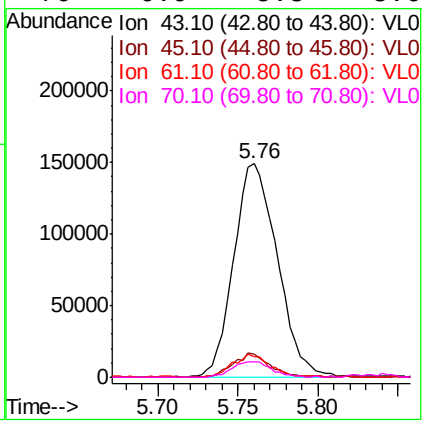


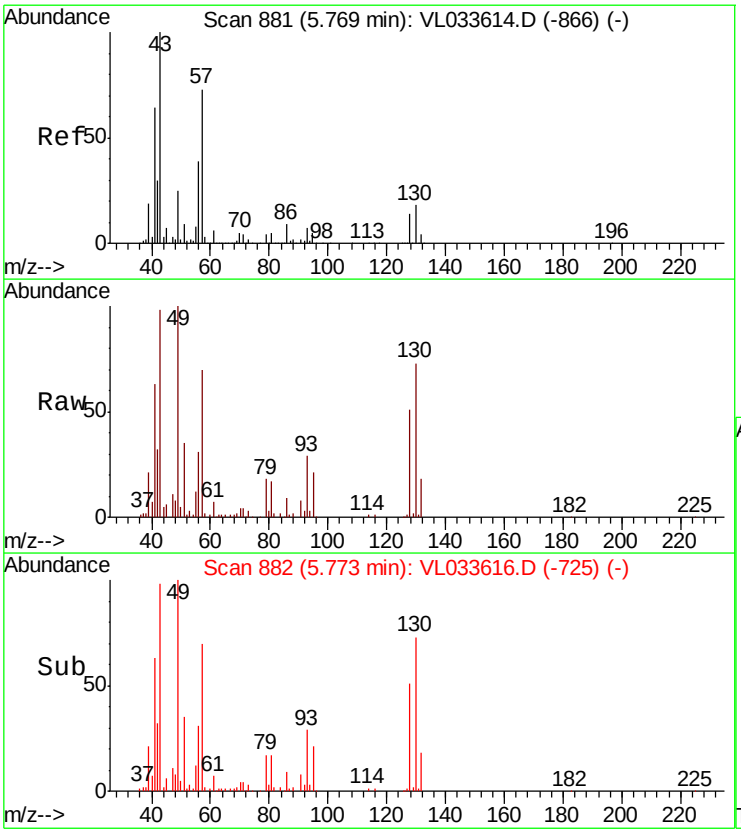
#25
Ethyl Acetate
Concen: 1.051 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 277231

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.5	7.5	11.3
70	6.9	5.8	8.6

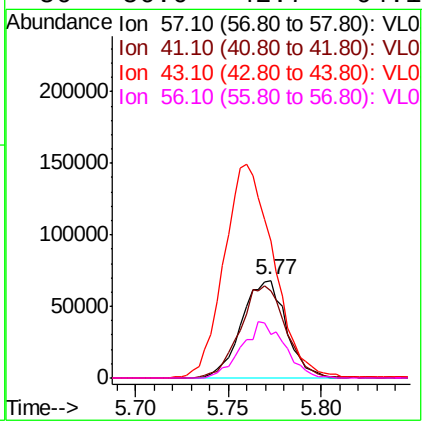


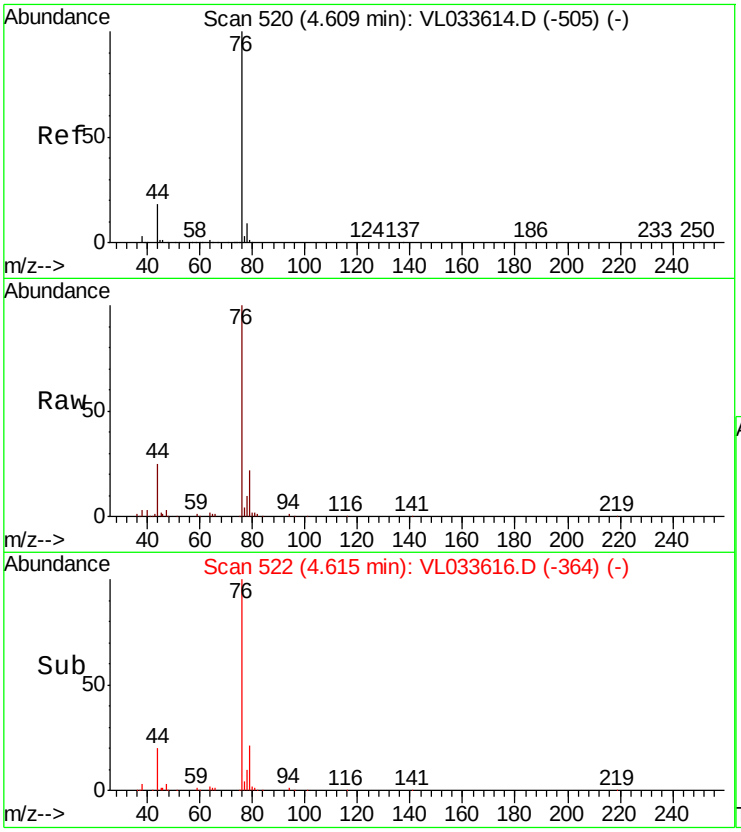


#26
Hexane
Concen: 1.024 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 57 Resp: 113667

Ion	Ratio	Lower	Upper
57	100		
41	99.0	70.6	106.0
43	244.6	186.0	279.0
56	56.0	42.7	64.1



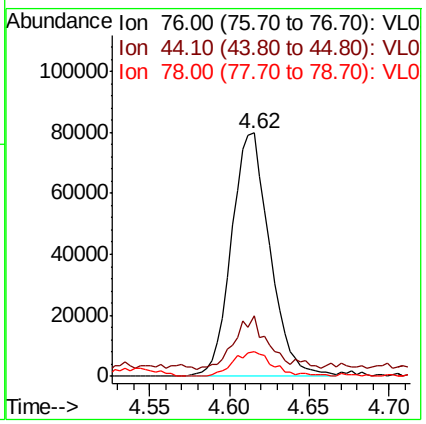


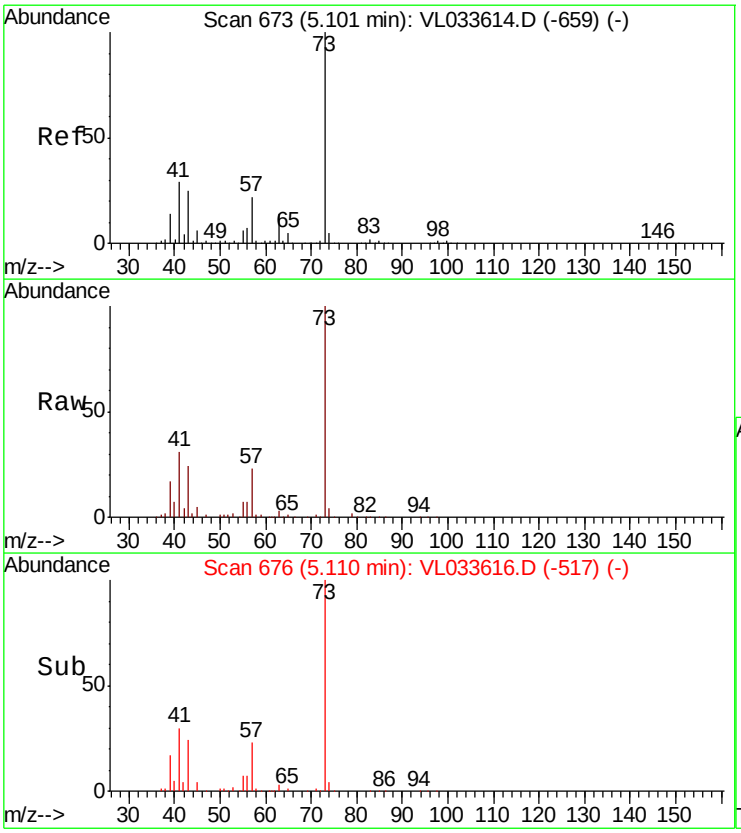
#27
Carbon Disulfide
Concen: 0.968 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 130182

Ion	Ratio	Lower	Upper
76	100		
44	23.2	14.3	21.5#
78	10.7	7.5	11.3

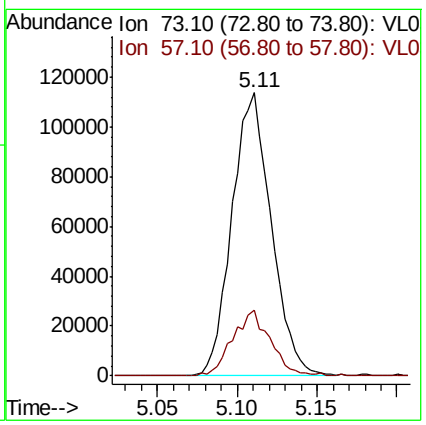


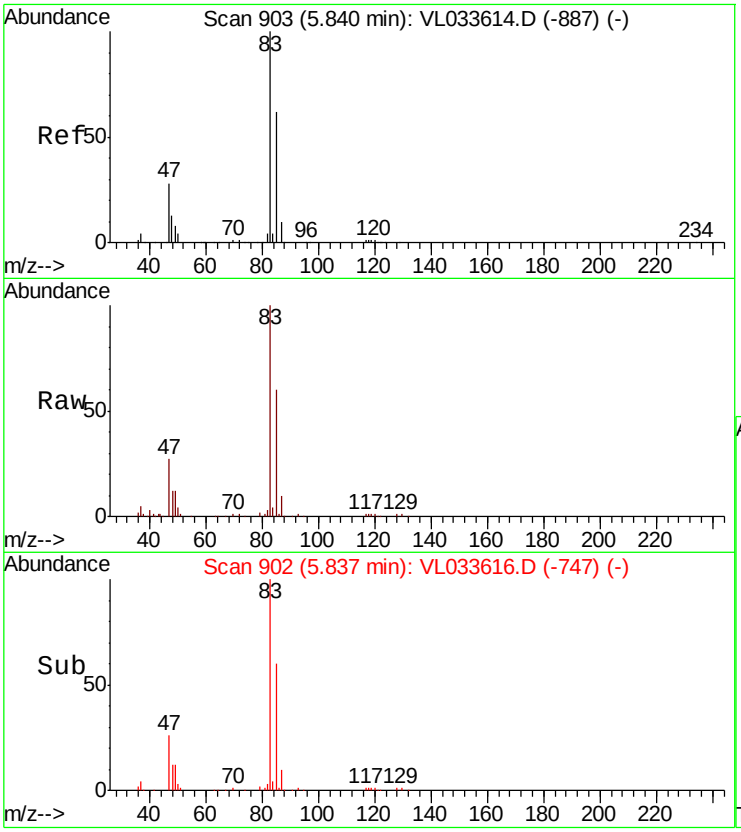


#28
Methyl tert-Butyl Ether
Concen: 1.016 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 73 Resp: 190299

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8



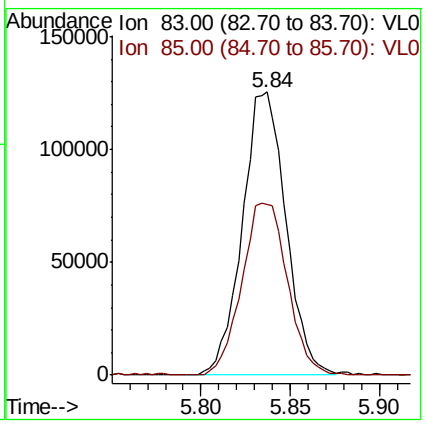


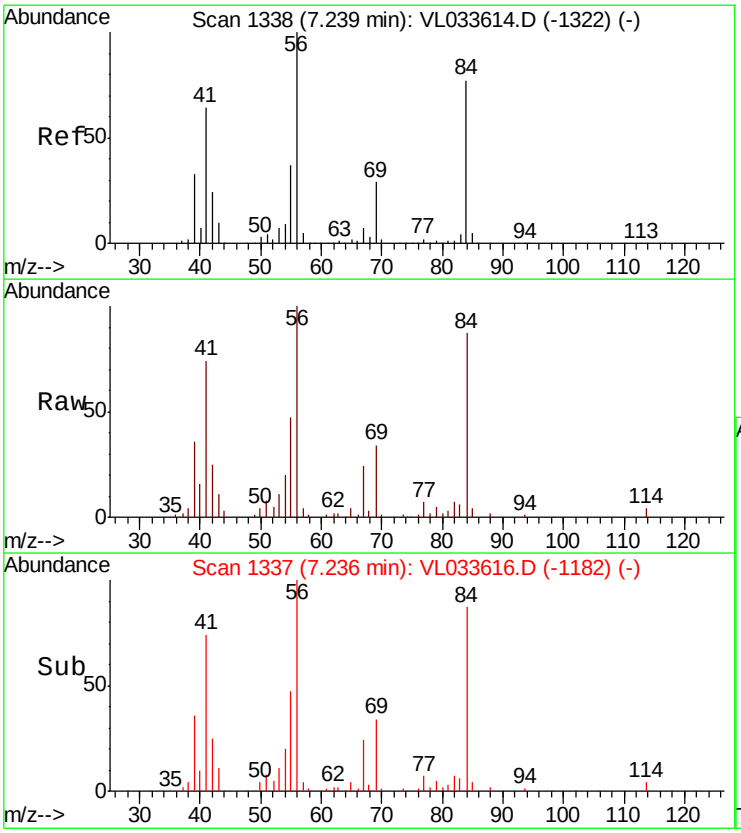
#29
Chloroform
Concen: 1.053 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 214370

Ion	Ratio	Lower	Upper
83	100		
85	60.2	49.9	74.9

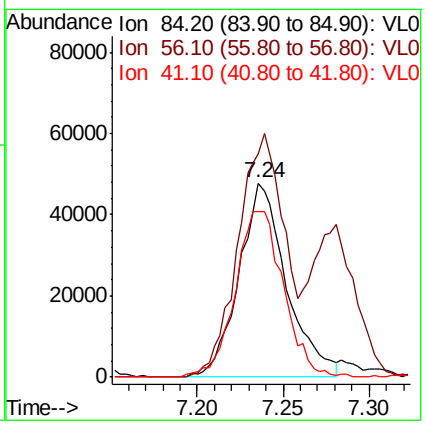


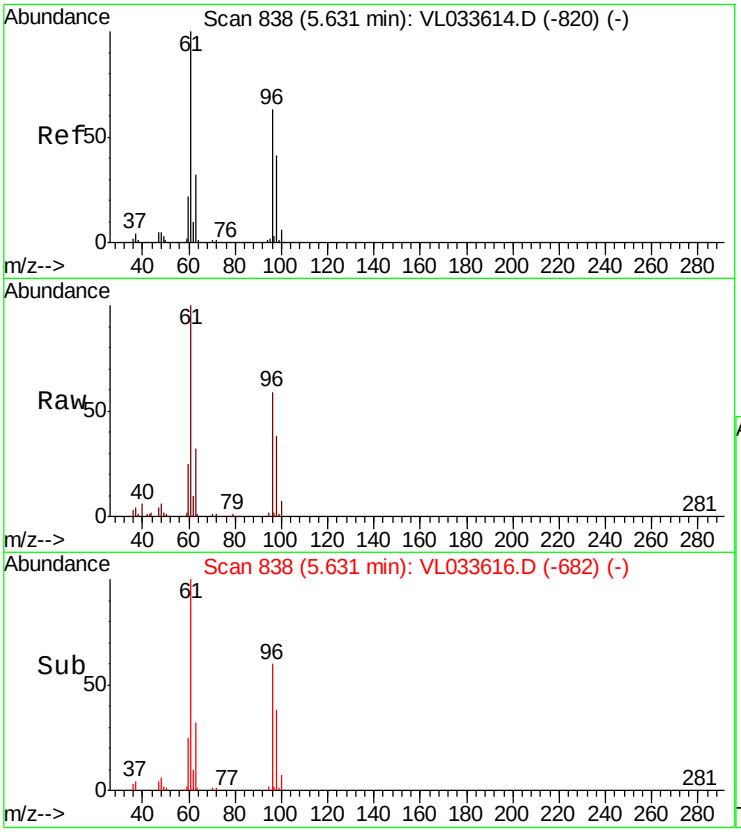


#30
Cyclohexane
Concen: 0.949 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 84 Resp: 91385

Ion	Ratio	Lower	Upper
84	100		
56	130.7	108.4	162.6
41	86.9	67.0	100.4



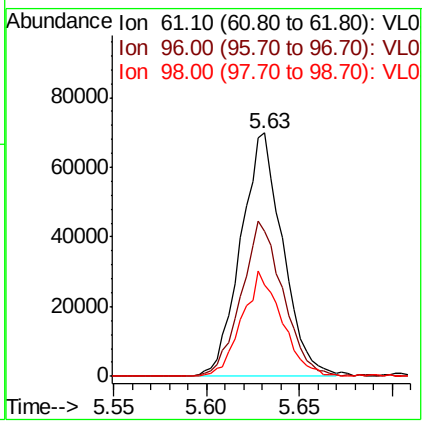


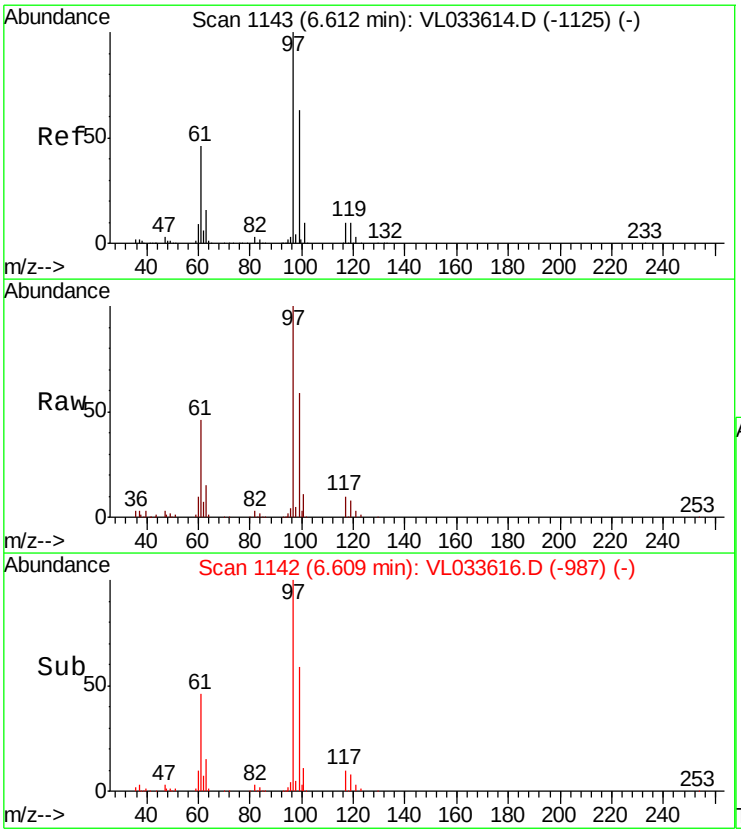
#31
cis-1,2-Dichloroethene
Concen: 0.979 ppbv
RT: 5.63 min Scan# 838
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 109705

Ion	Ratio	Lower	Upper
61	100		
96	59.3	50.6	76.0
98	38.3	32.8	49.2

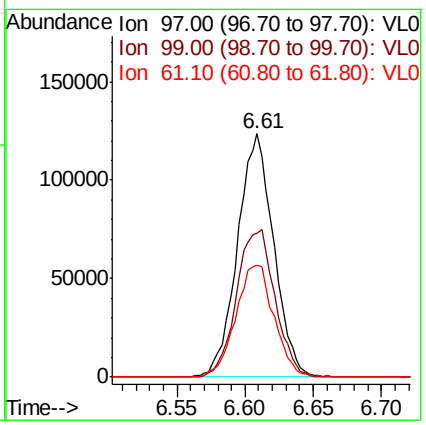


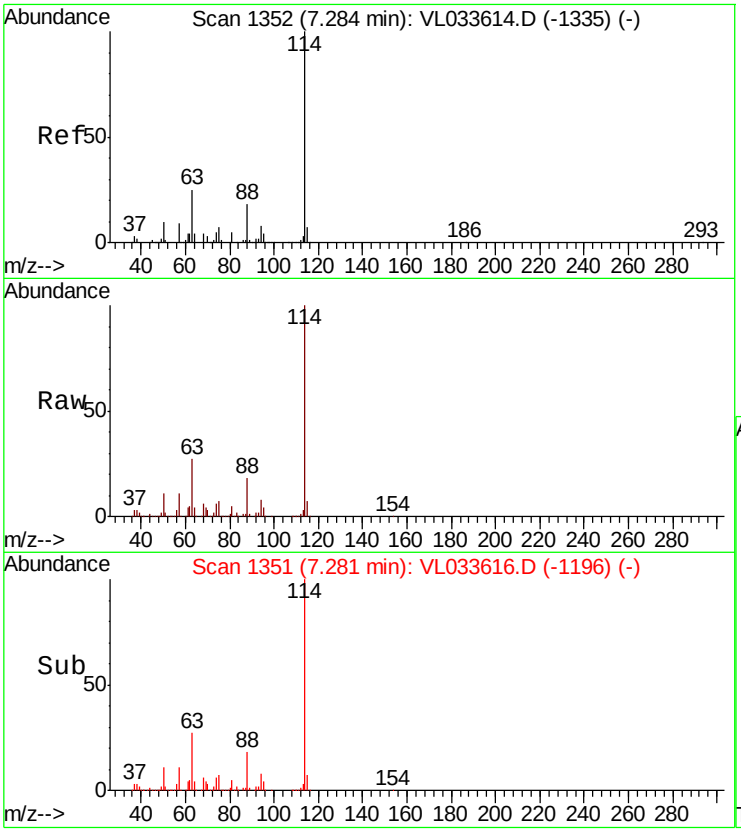


#32
1,1,1-Trichloroethane
Concen: 1.068 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 97 Resp: 227589

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	49.0	38.2	57.2



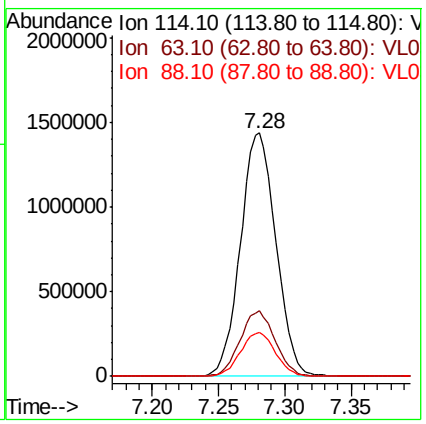


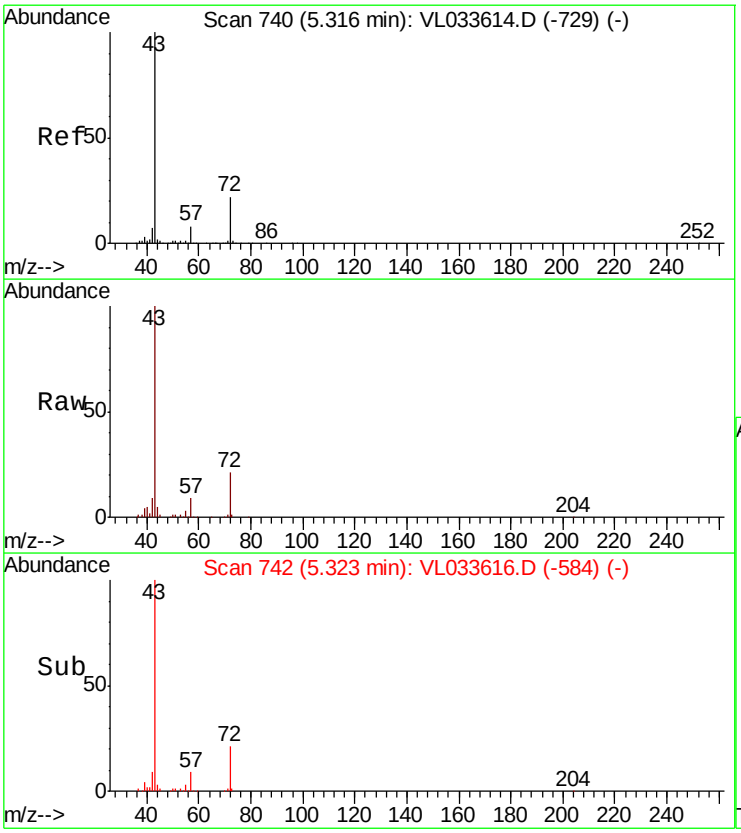
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2671082

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	17.8	14.2	21.4

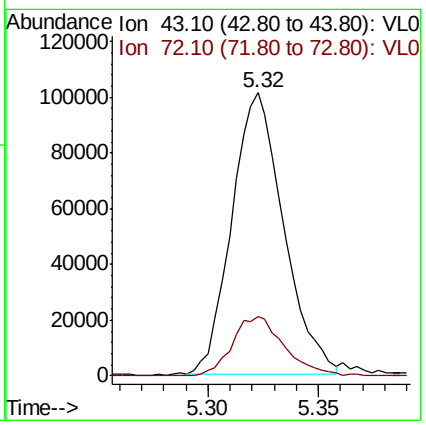


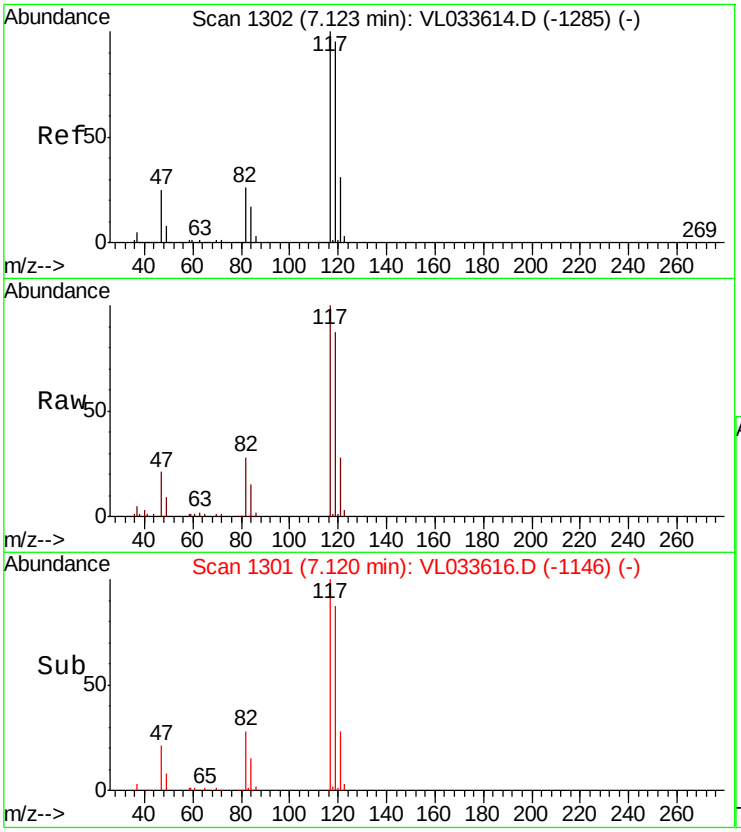


#34
2-Butanone
Concen: 1.007 ppbv
RT: 5.32 min Scan# 742
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 43 Resp: 165118

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.8	26.8



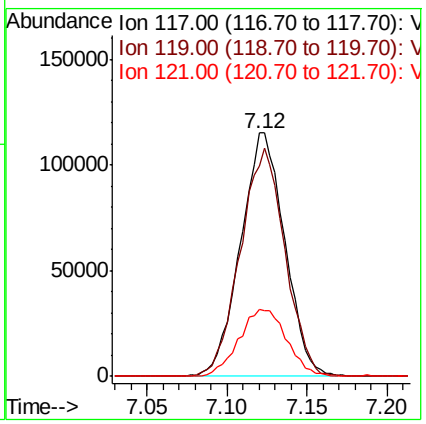


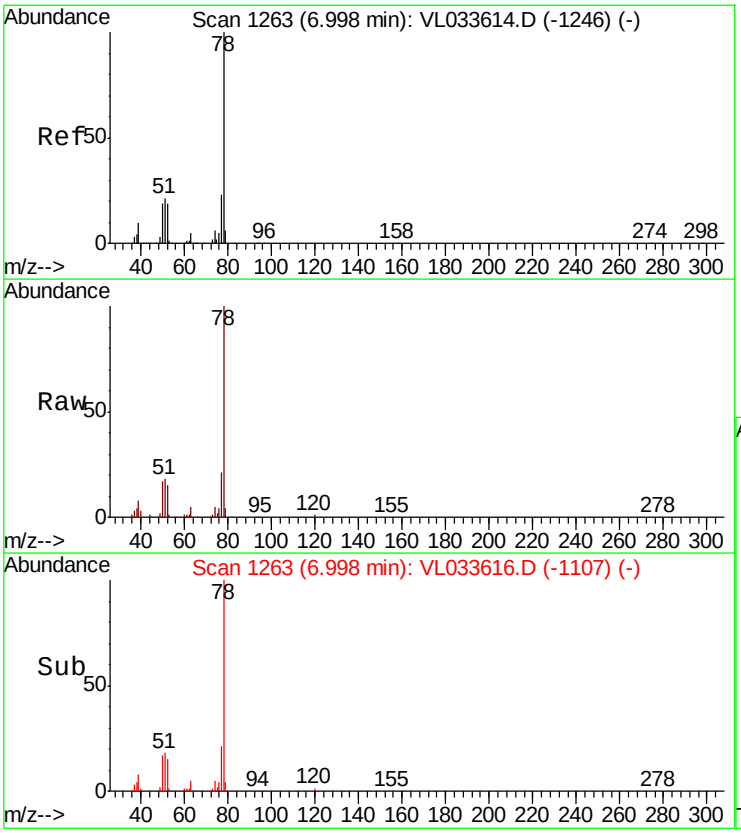
#35
Carbon Tetrachloride
Concen: 1.031 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 218137

Ion	Ratio	Lower	Upper
117	100		
119	86.6	76.2	114.4
121	27.6	24.9	37.3

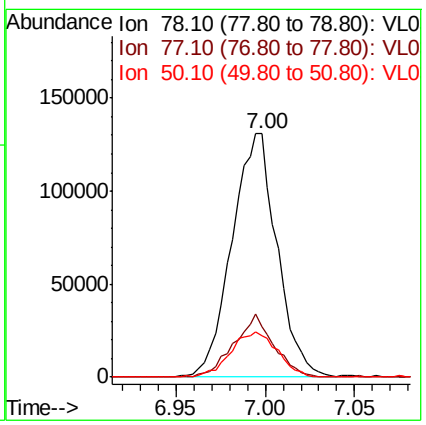


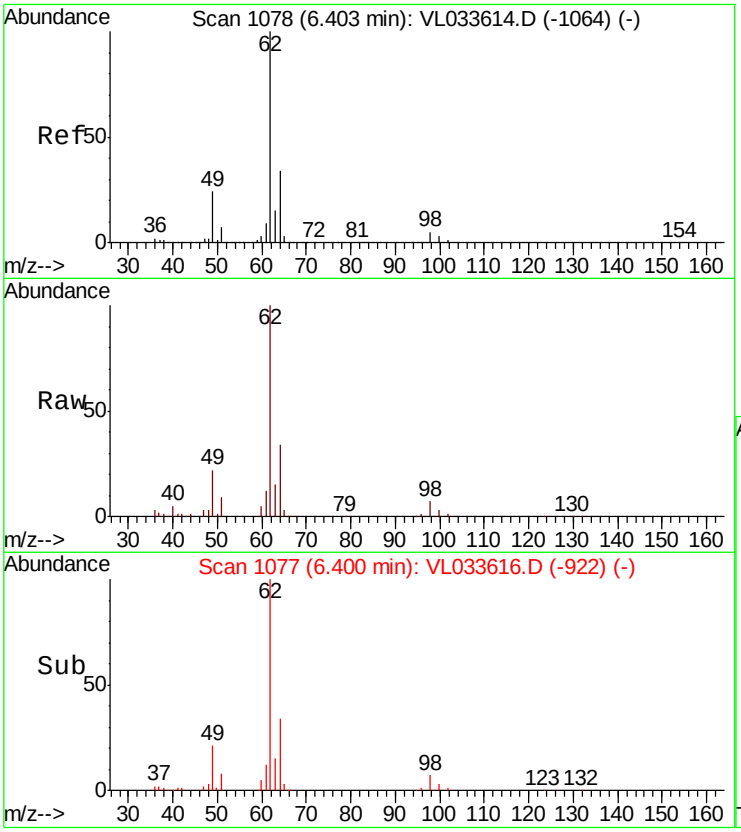


#36
Benzene
Concen: 1.007 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 78 Resp: 229225

Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.1	27.1
50	16.7	15.1	22.7



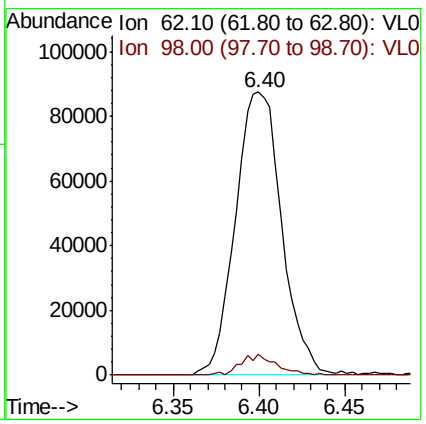


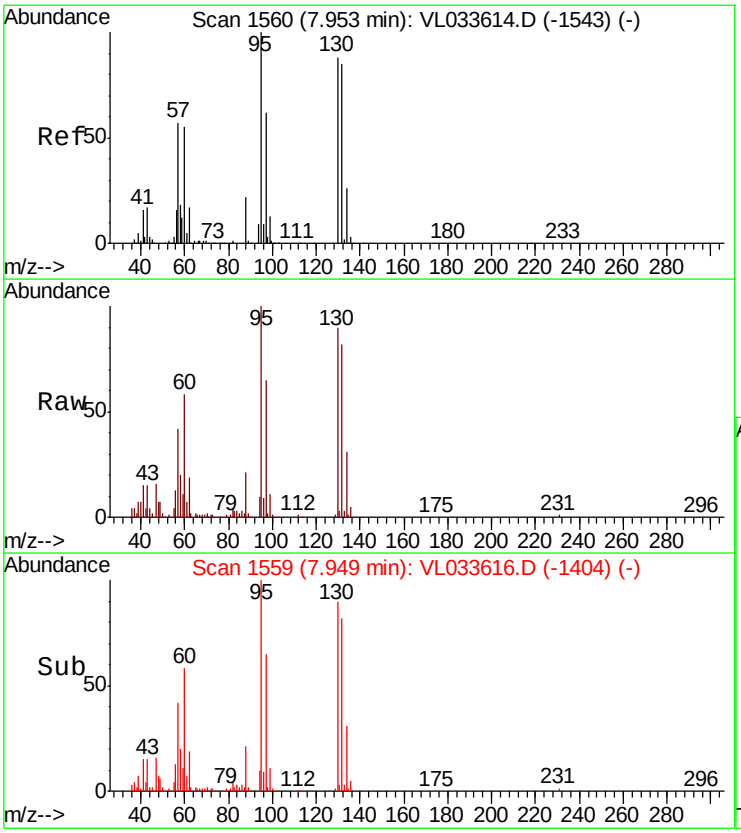
#37
1,2-Dichloroethane
Concen: 1.068 ppbv
RT: 6.40 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 161546

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.4	6.6

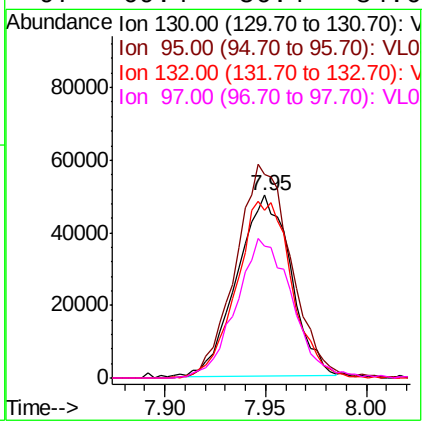


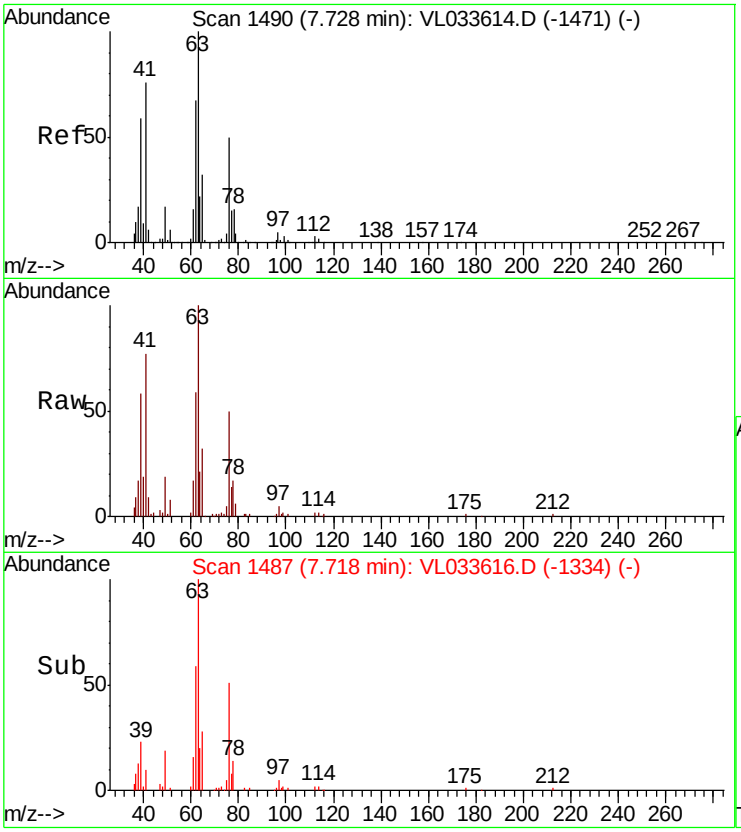


#38
Trichloroethene
Concen: 1.022 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:130 Resp: 93162

Ion	Ratio	Lower	Upper
130	100		
95	108.2	91.2	136.8
132	91.1	77.8	116.8
97	69.4	56.4	84.6



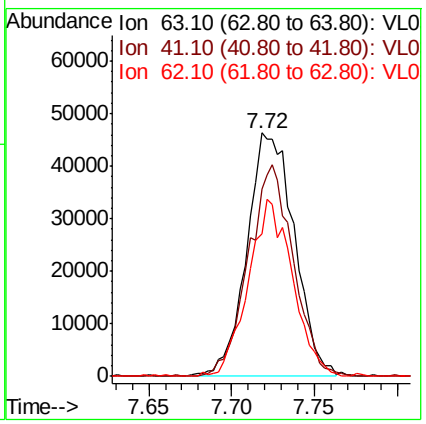


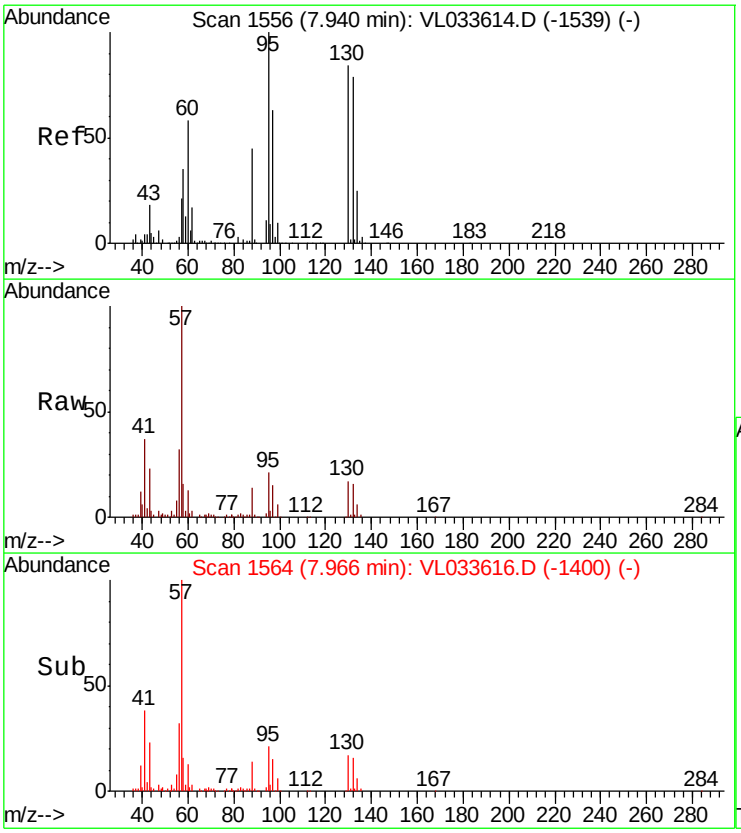
#39
1,2-Dichloropropane
Concen: 1.069 ppbv
RT: 7.72 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 91712

Ion	Ratio	Lower	Upper
63	100		
41	76.9	60.9	91.3
62	58.6	53.3	79.9

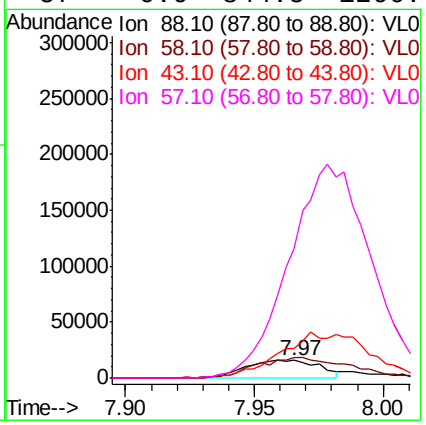


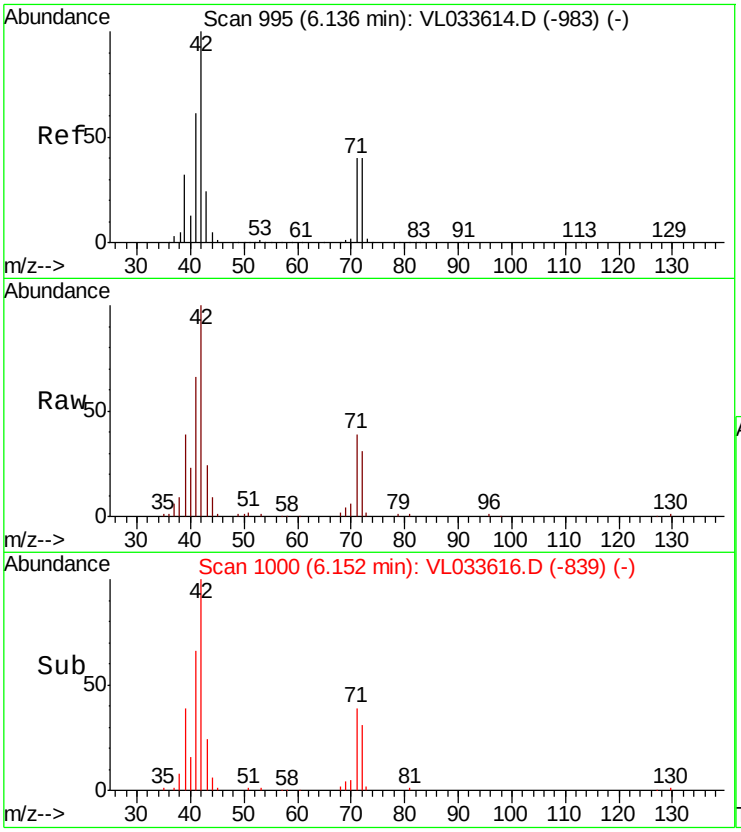


#40
1,4-Dioxane
Concen: 0.916 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.03 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 88 Resp: 31916

Ion	Ratio	Lower	Upper
88	100		
58	153.0	98.4	147.6#
43	312.7	190.7	286.1#
57	0.0	844.5	1266.7#



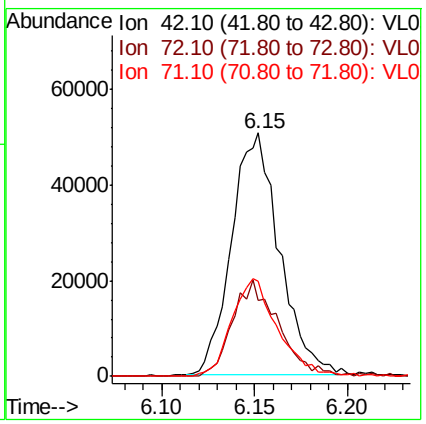


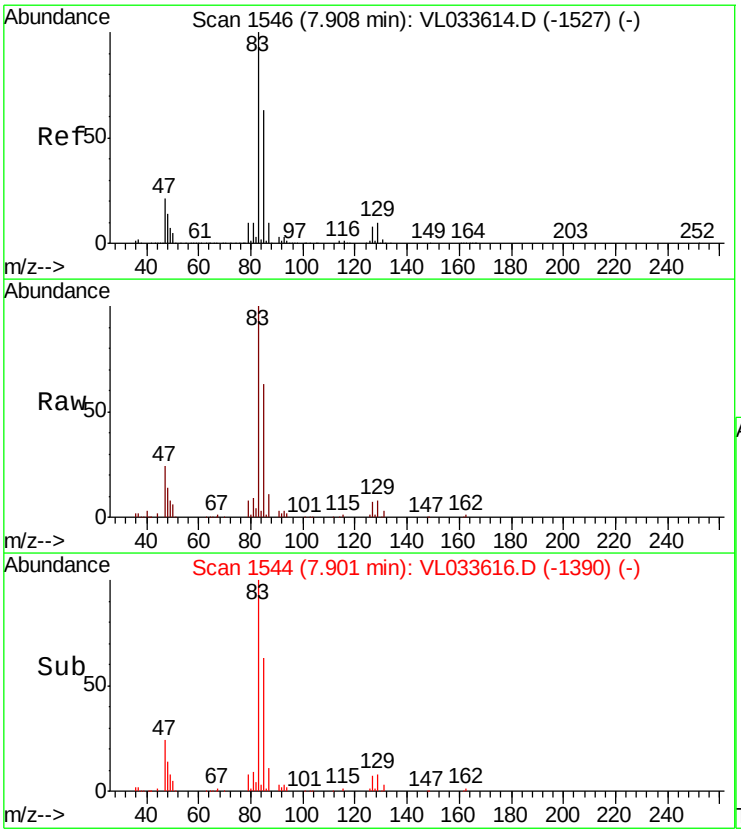
#41
Tetrahydrofuran
Concen: 1.038 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 90901

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.8	47.6
71	39.1	31.0	46.4

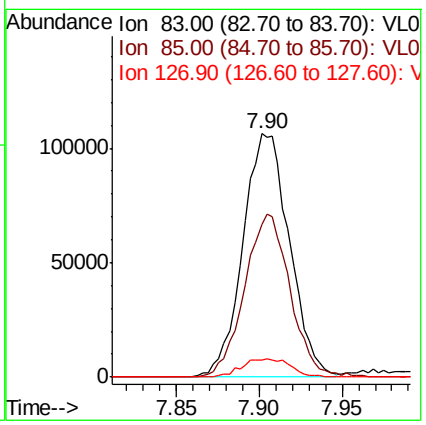


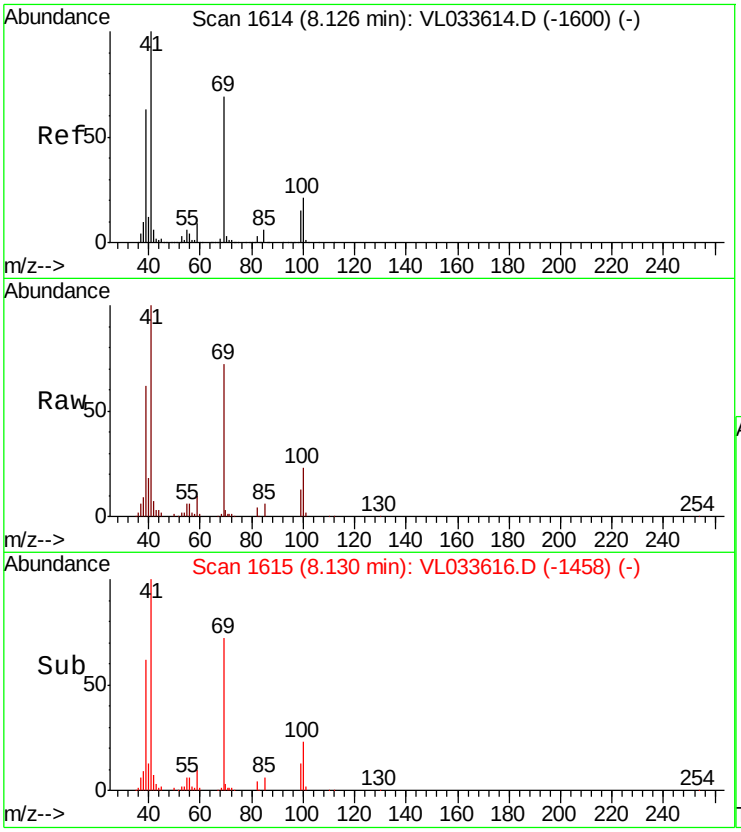


#42
Bromodichloromethane
Concen: 1.014 ppbv
RT: 7.90 min Scan# 1544
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 83 Resp: 207505

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.4
127	6.8	6.5	9.7



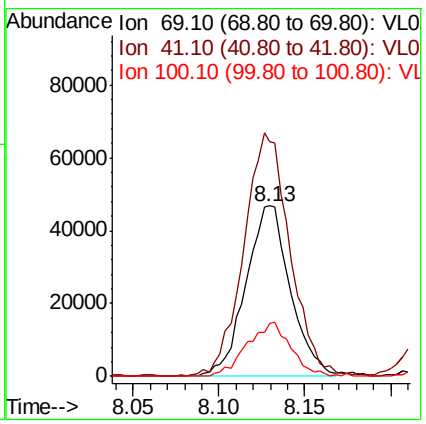


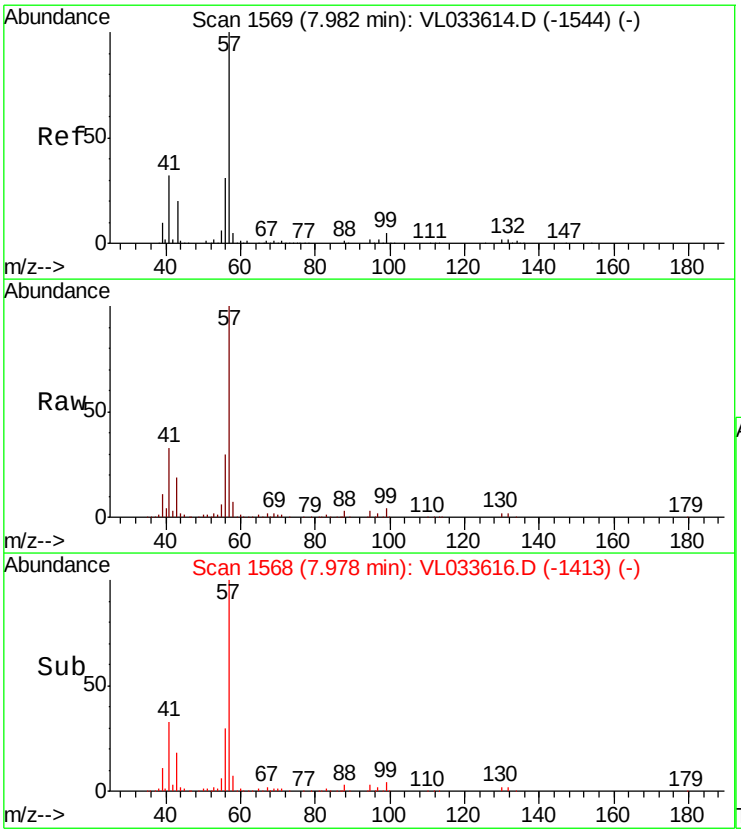
#43
Methyl Methacrylate
Concen: 0.978 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 84250

Ion	Ratio	Lower	Upper
69	100		
41	148.1	115.0	172.4
100	31.5	24.7	37.1

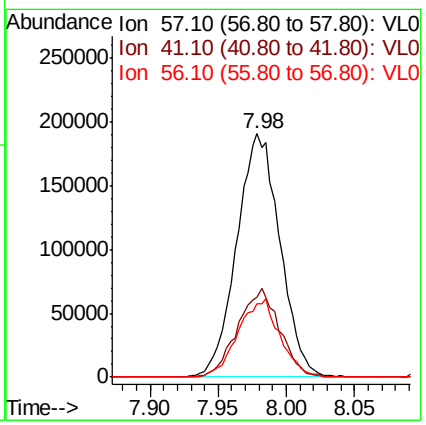


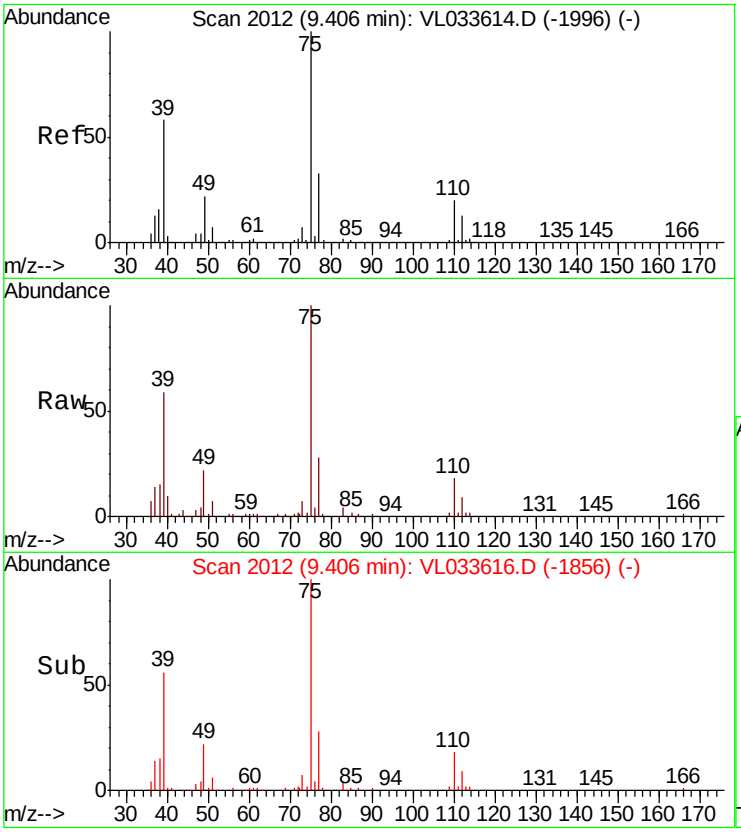


#44
2,2,4-Trimethylpentane
Concen: 1.062 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 57 Resp: 421133

Ion	Ratio	Lower	Upper
57	100		
41	35.3	25.4	38.2
56	31.0	24.6	37.0



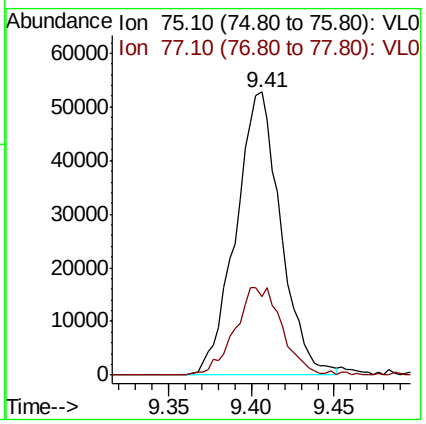


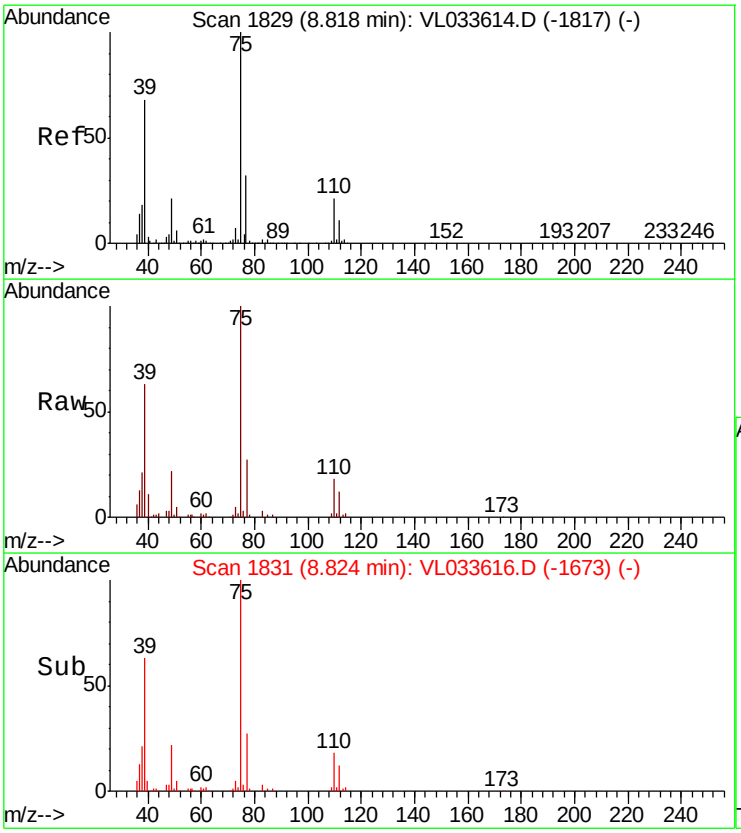
#45
t-1,3-Dichloropropene
Concen: 0.868 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 99330

Ion	Ratio	Lower	Upper
75	100		
77	28.0	26.0	39.0

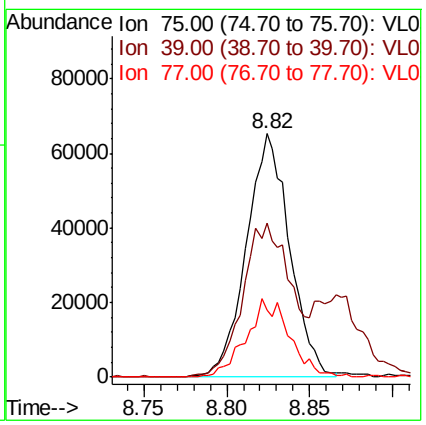


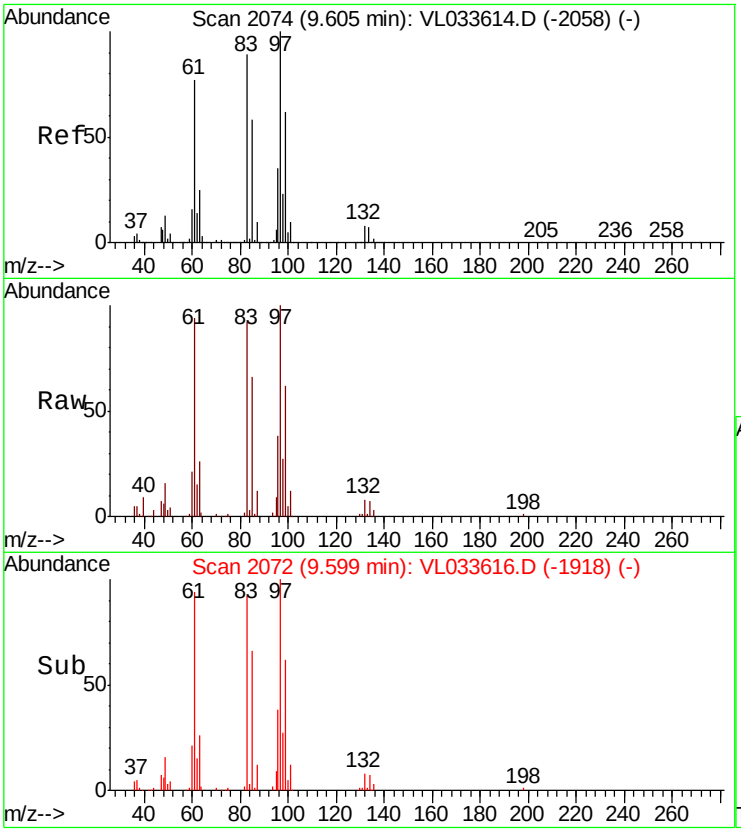


#46
cis-1,3-Dichloropropene
Concen: 0.916 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 75 Resp: 118283

Ion	Ratio	Lower	Upper
75	100		
39	63.1	54.6	82.0
77	27.4	25.7	38.5



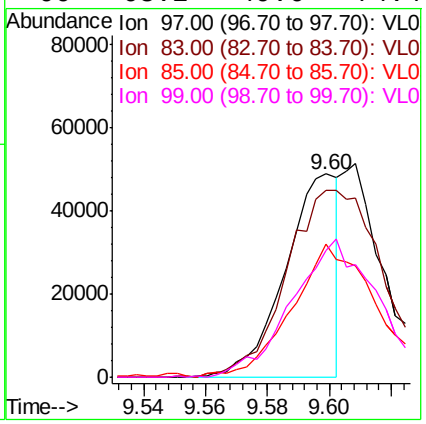


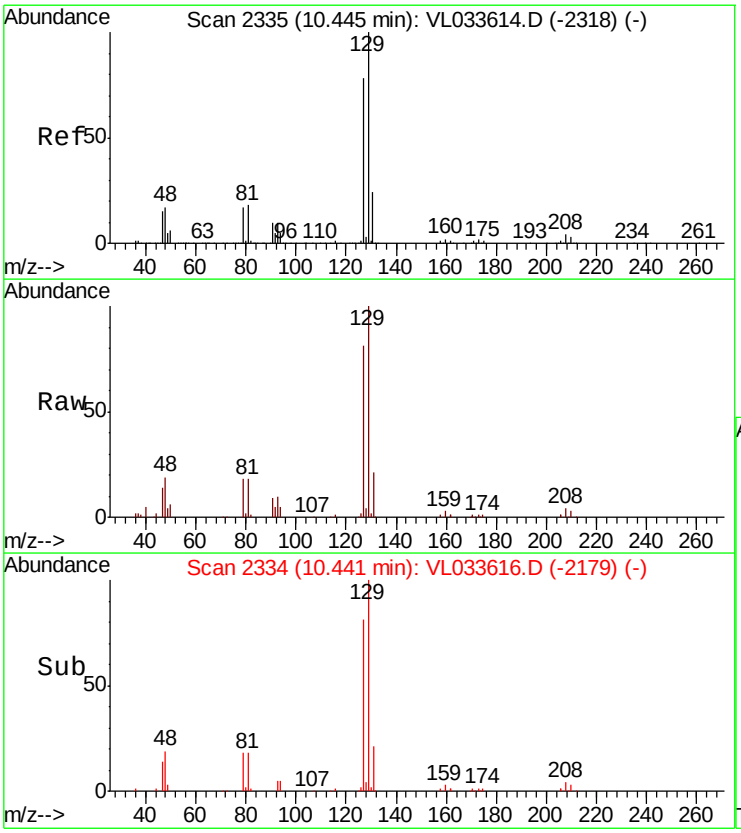
#47
1,1,2-Trichloroethane
Concen: 0.518 ppbv
RT: 9.60 min Scan# 2072
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 57996

Ion	Ratio	Lower	Upper
97	100		
83	92.4	71.4	107.0
85	66.0	46.0	69.0
99	63.2	49.6	74.4

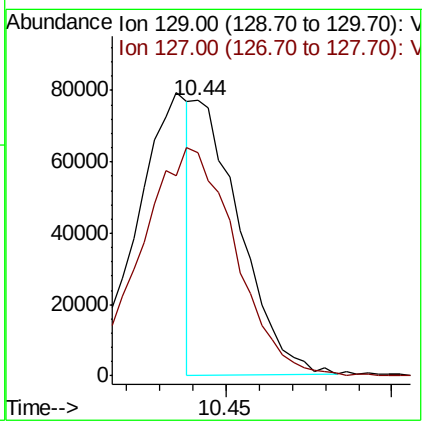


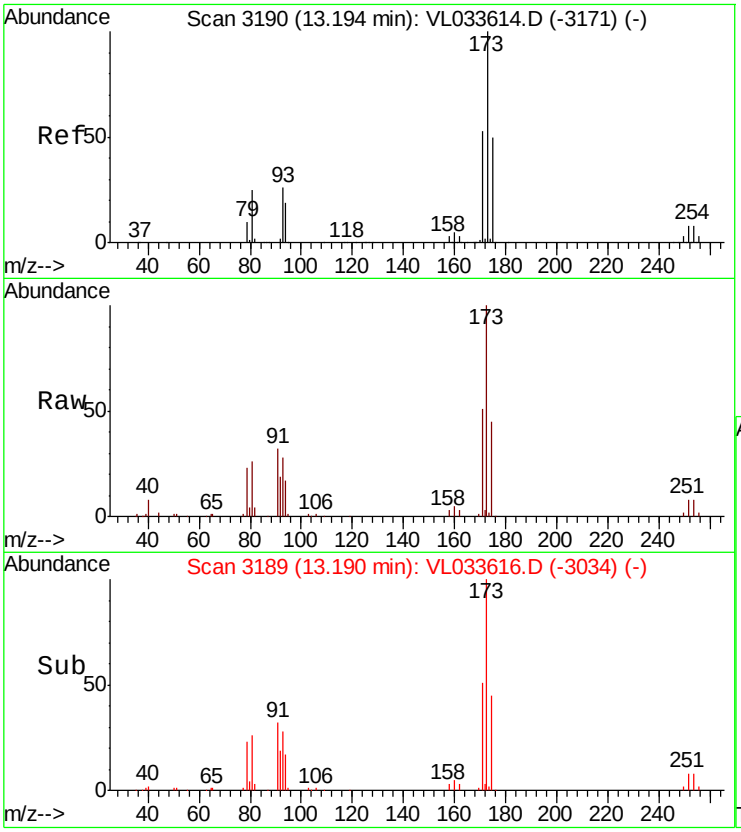


#48
Dibromochloromethane
Concen: 0.397 ppbv
RT: 10.44 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:129 Resp: 75210

Ion	Ratio	Lower	Upper
129	100		
127	168.5	39.2	117.6#



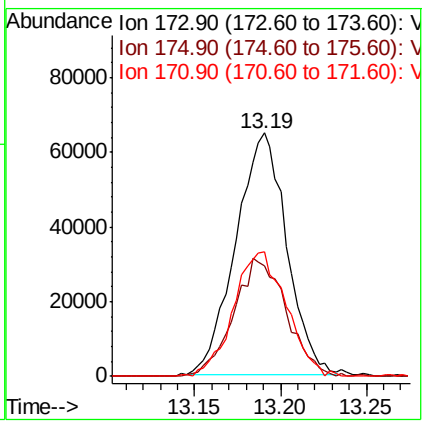


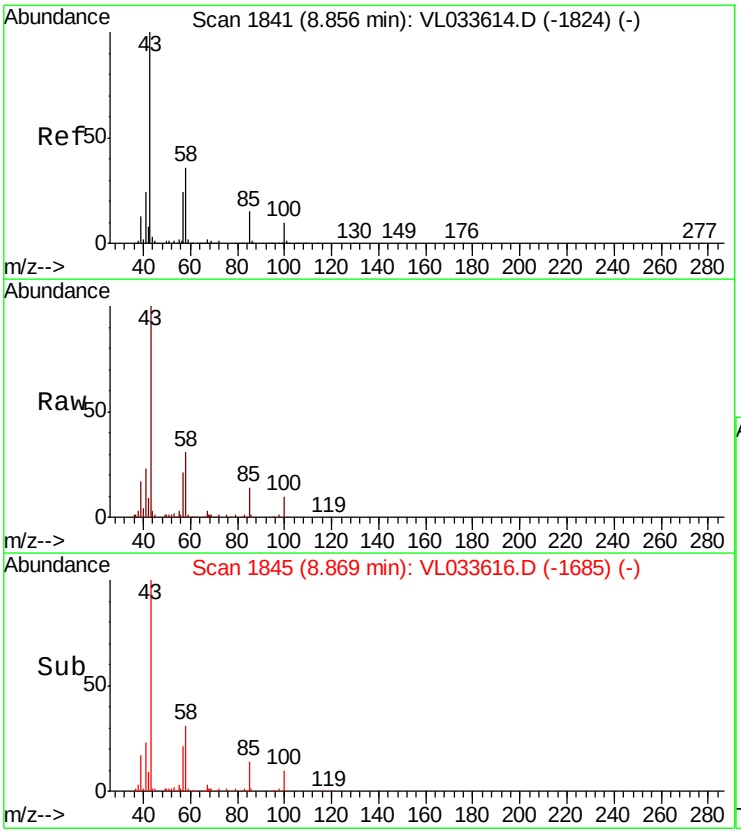
#49
Bromoform
Concen: 0.922 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 133888

Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.0	58.6
171	53.3	41.6	62.4

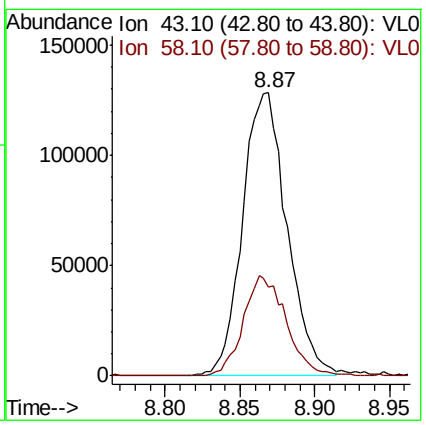


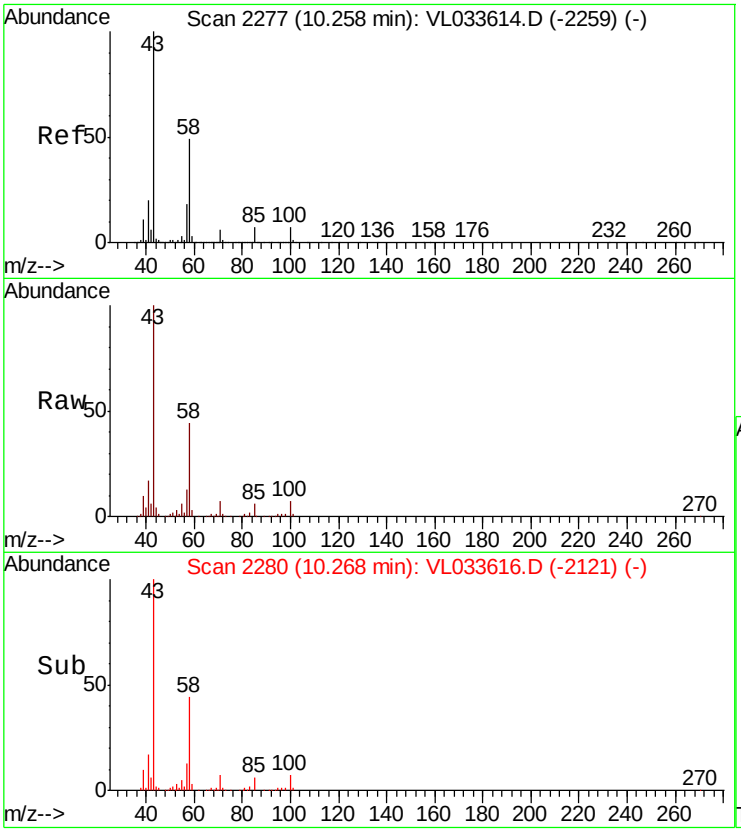


#50
4-Methyl-2-Pentanone
Concen: 1.027 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 43 Resp: 263778

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.6	42.8



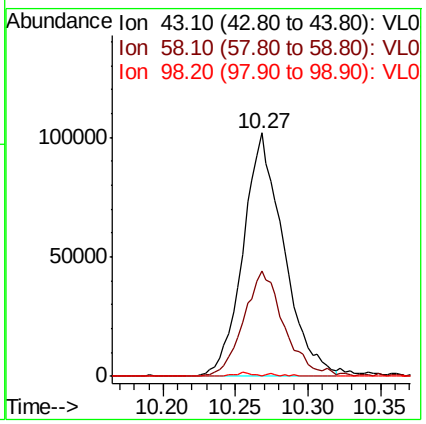


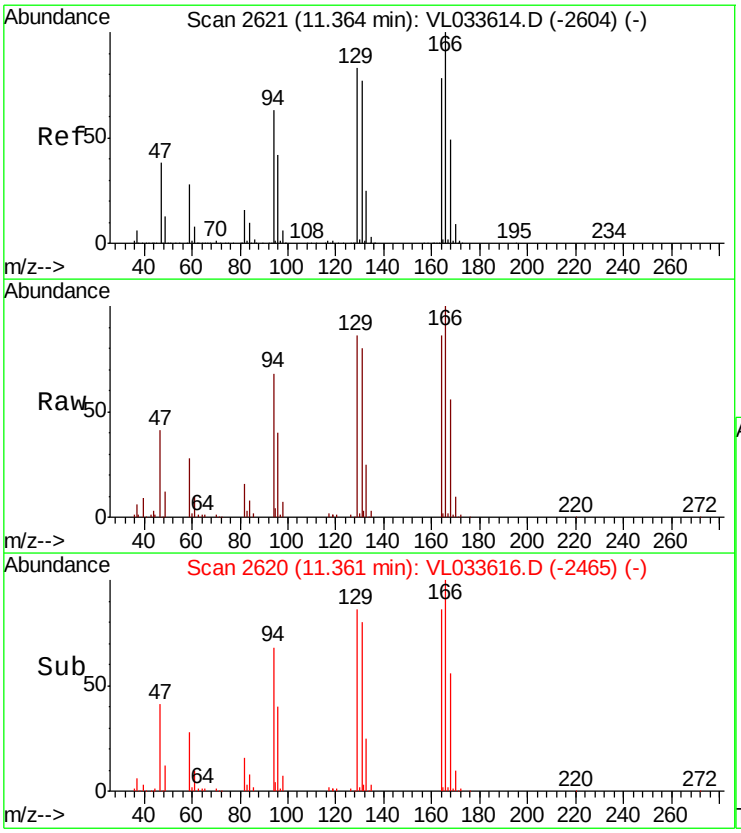
#51
2-Hexanone
Concen: 0.884 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 199401

Ion	Ratio	Lower	Upper
43	100		
58	44.2	38.5	57.7
98	1.1	0.3	0.5#

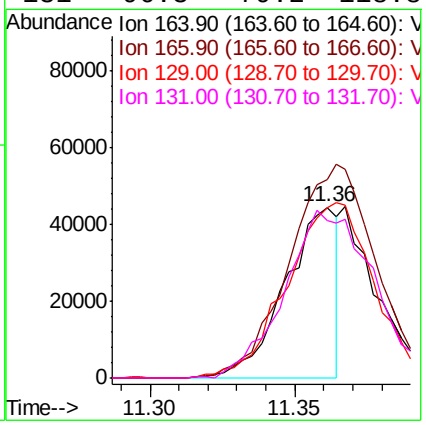


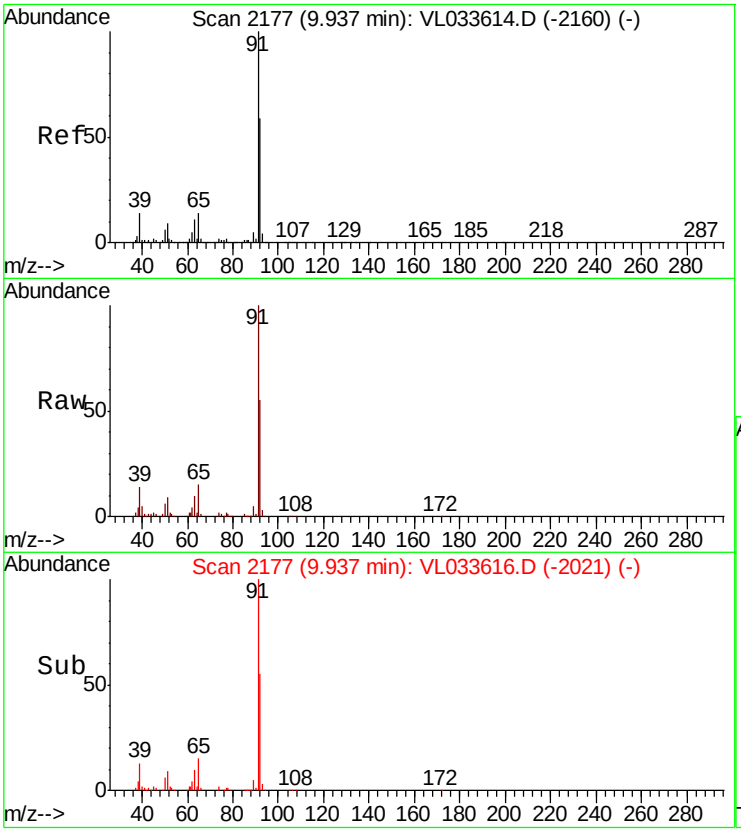


#52
Tetrachloroethene
Concen: 0.635 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:164 Resp: 55544

Ion	Ratio	Lower	Upper
164	100		
166	116.6	102.2	153.4
129	102.6	84.4	126.6
131	96.3	79.2	118.8



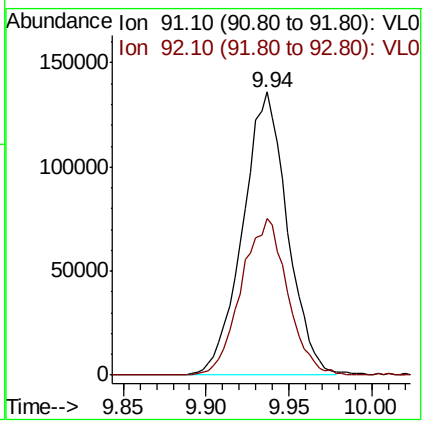


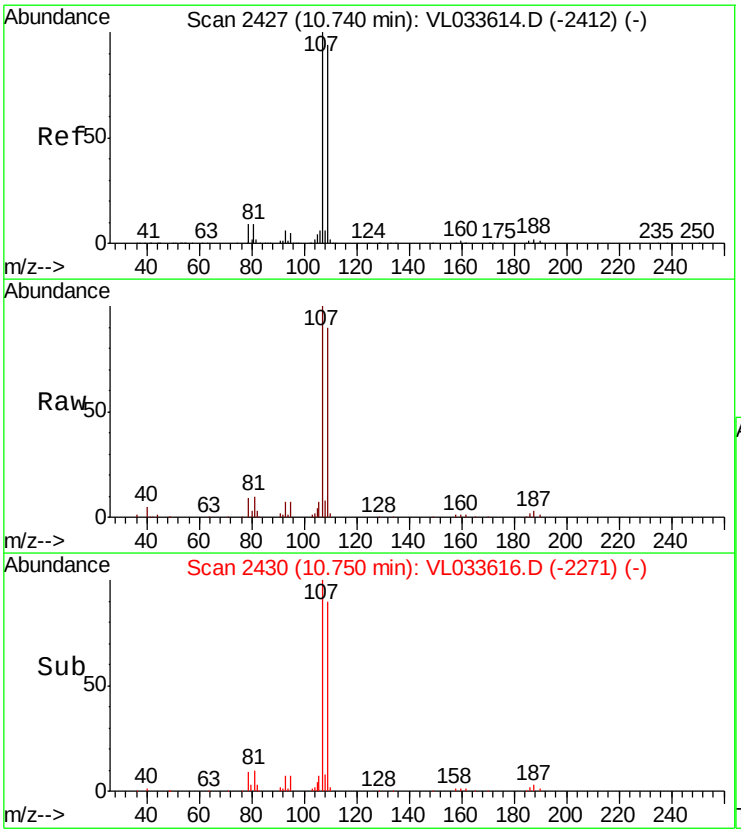
#53
Toluene
Concen: 0.890 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 255622

Ion	Ratio	Lower	Upper
91	100		
92	57.3	47.8	71.6

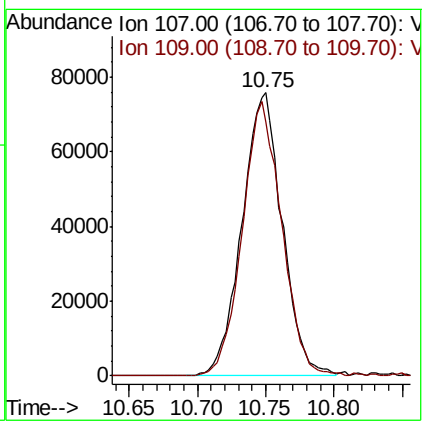


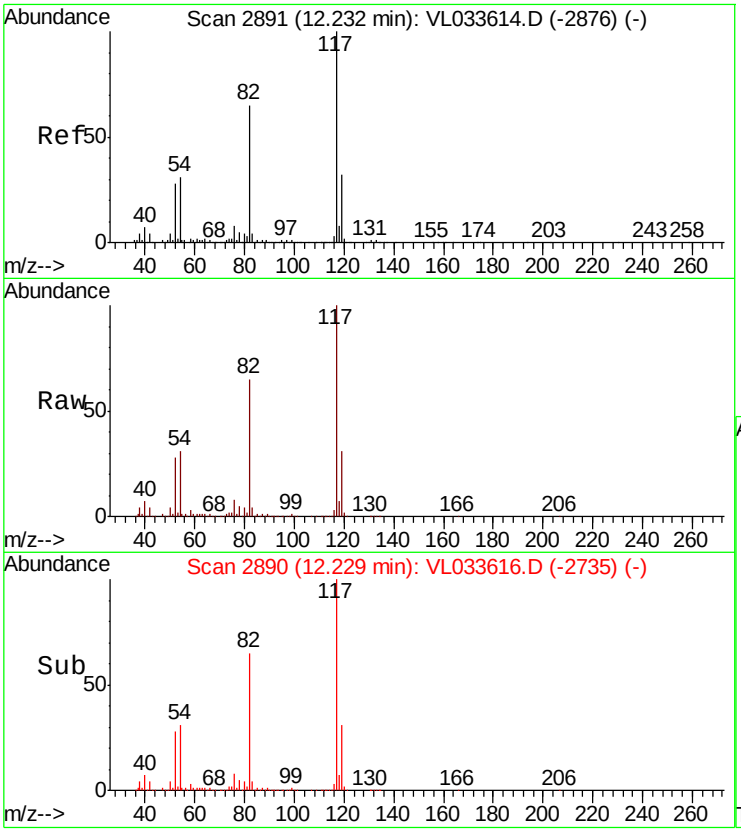


#54
1,2-Dibromoethane
Concen: 1.008 ppbv
RT: 10.75 min Scan# 2430
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:107 Resp: 155171

Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.1	112.7



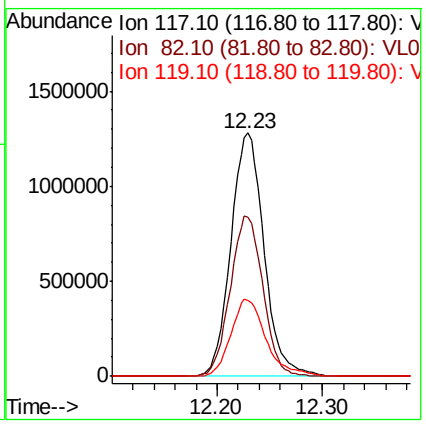


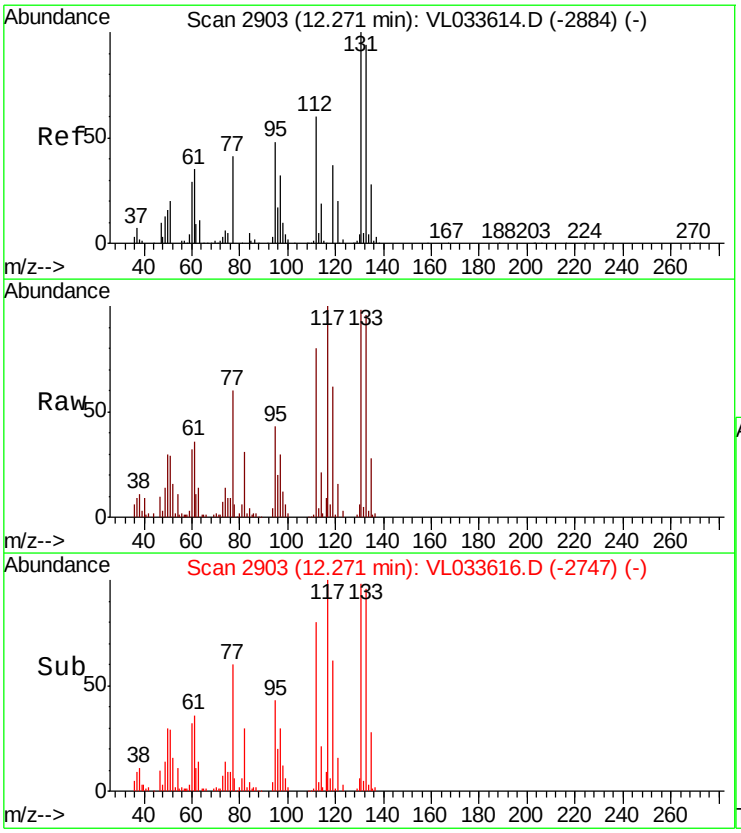
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2792278

Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.6	78.8
119	33.9	28.3	42.5

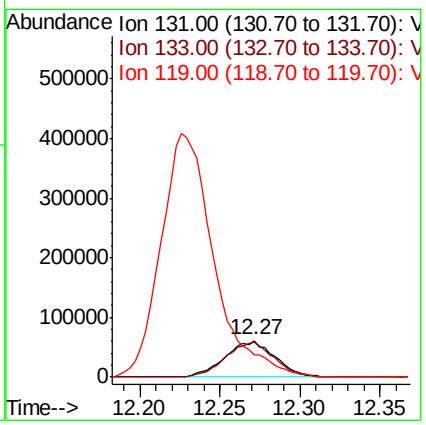


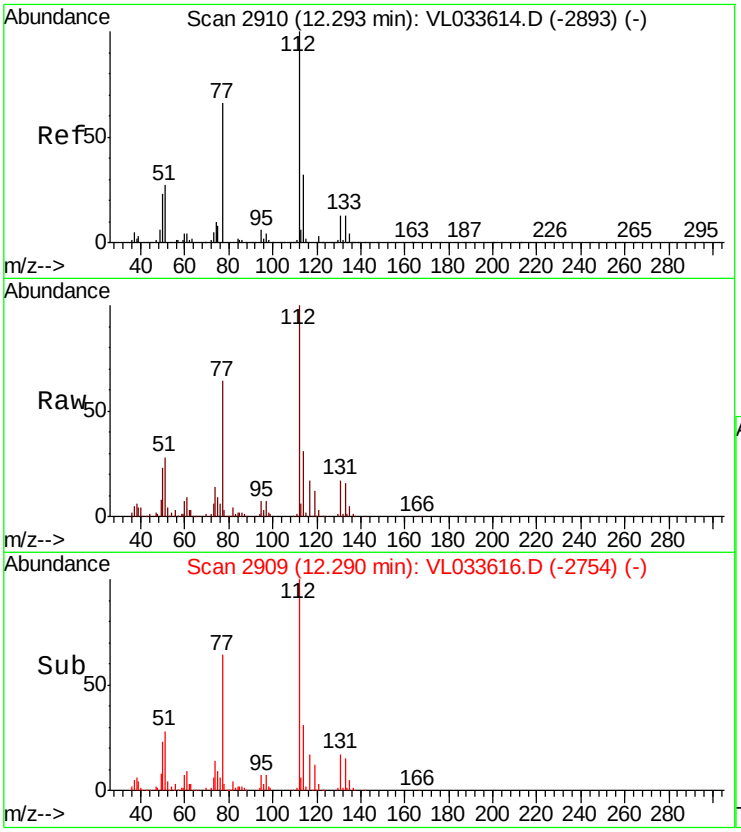


#56
1,1,1,2-Tetrachloroethane
Concen: 1.055 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:131 Resp: 128600

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.4	114.6
119	736.3	40.9	61.3#



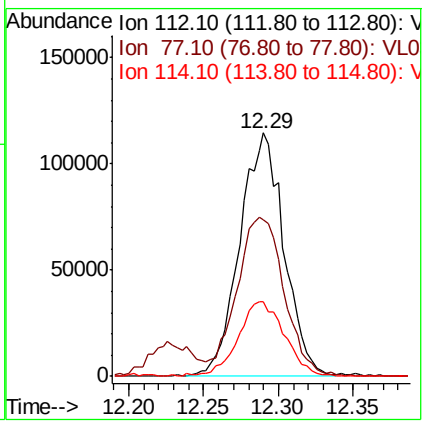


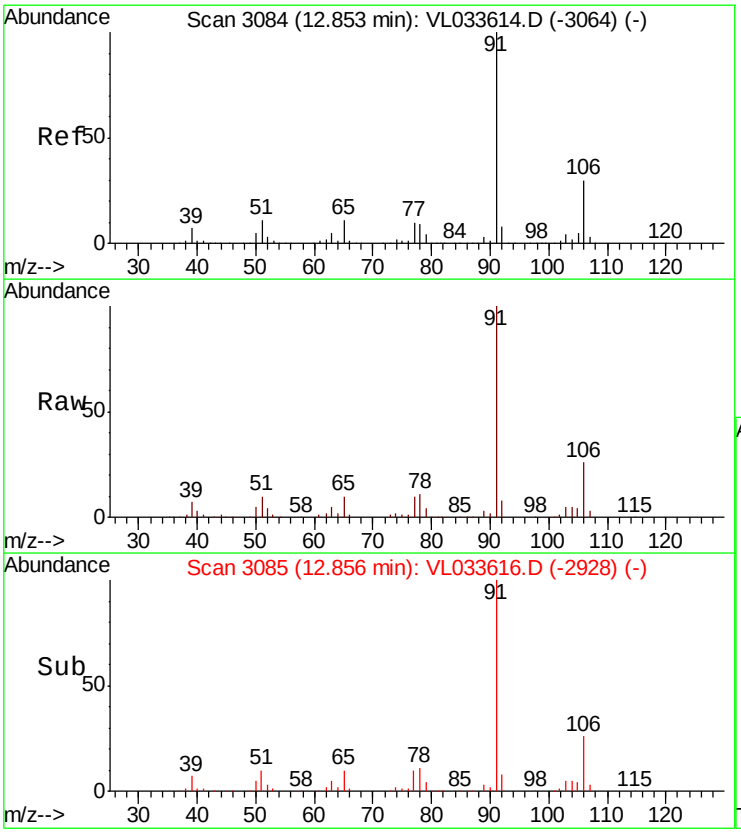
#57
Chlorobenzene
Concen: 1.086 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:112 Resp: 235792

Ion	Ratio	Lower	Upper
112	100		
77	63.3	53.6	80.4
114	30.4	29.1	35.5

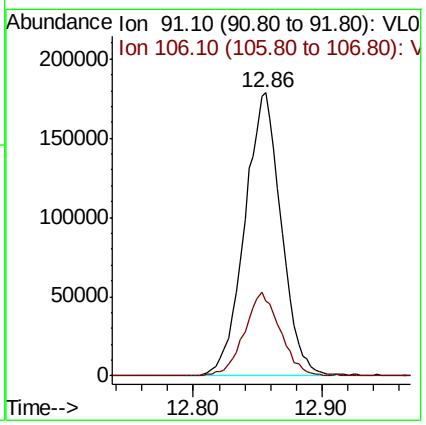


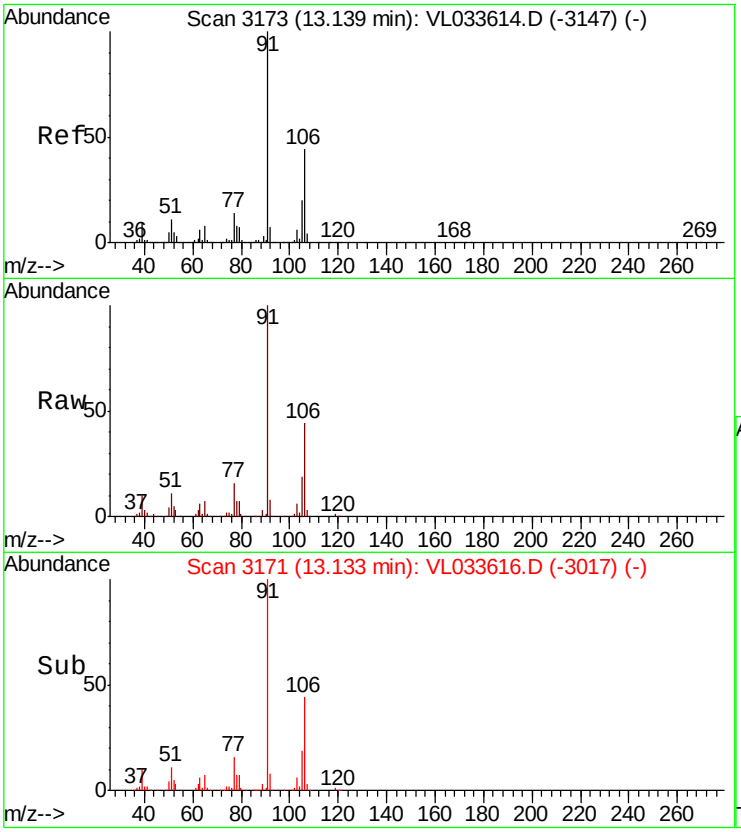


#58
Ethyl Benzene
Concen: 1.087 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 91 Resp: 353112

Ion	Ratio	Lower	Upper
91	100		
106	26.2	23.6	35.4



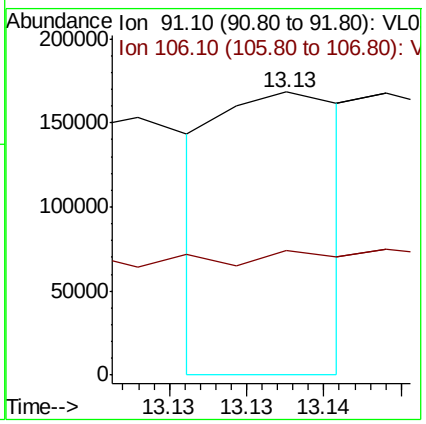


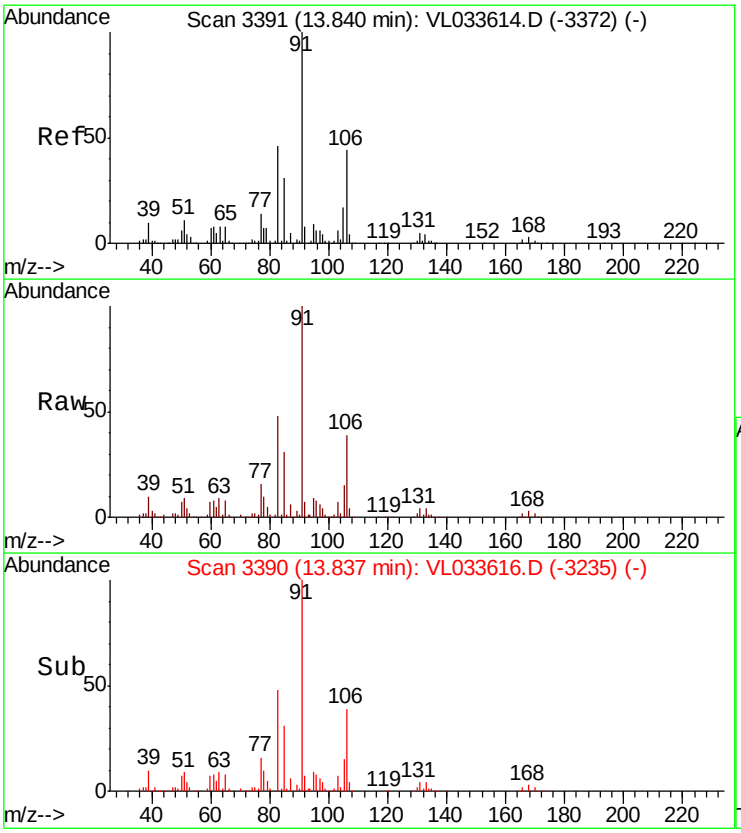
#59
m/p-Xylene
Concen: 0.336 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 94337

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

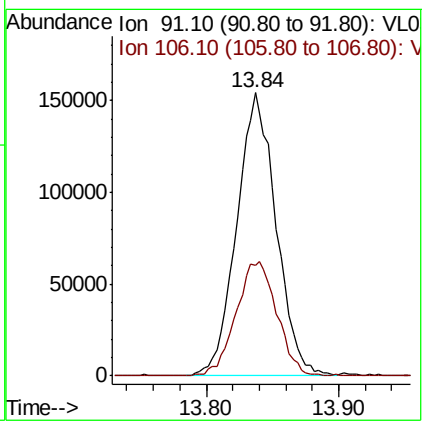


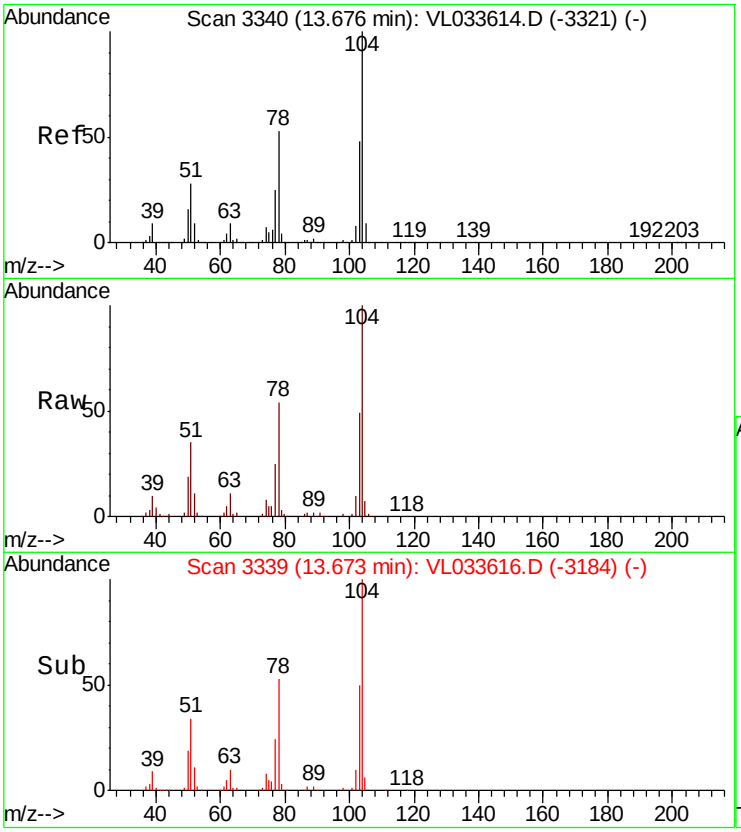


#60
o-Xylene
Concen: 1.118 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 91 Resp: 315664

Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.8	65.4



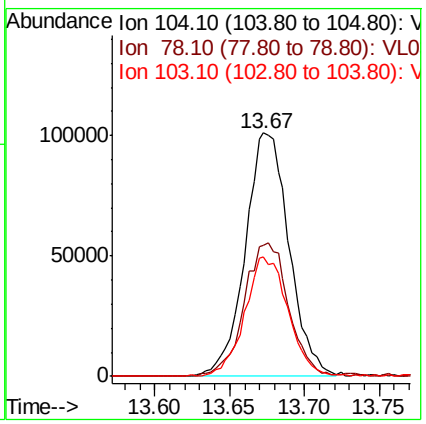


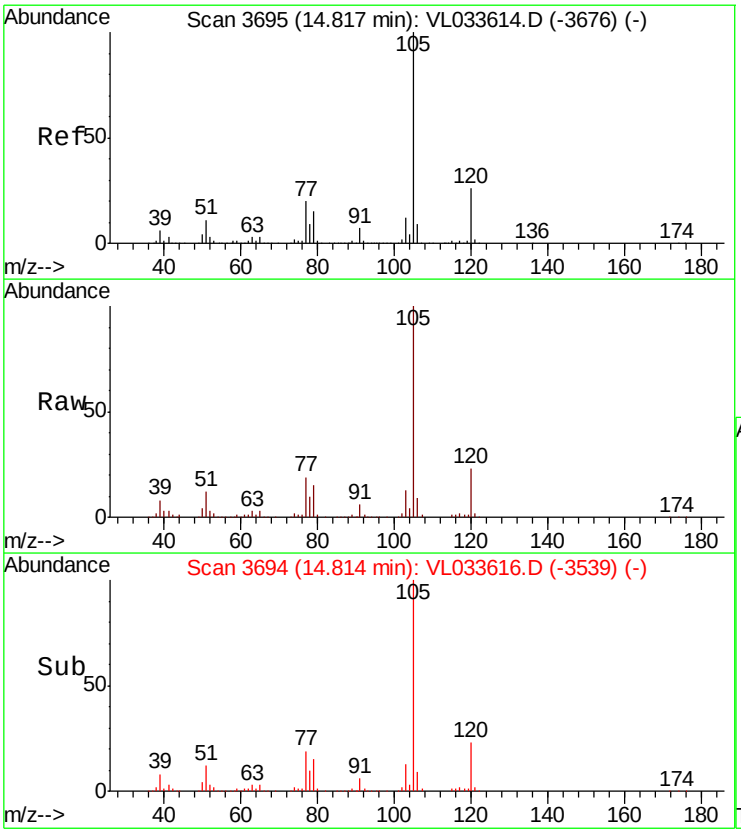
#61
Styrene
Concen: 1.066 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 205940

Ion	Ratio	Lower	Upper
104	100		
78	56.2	42.7	64.1
103	48.9	37.8	56.6

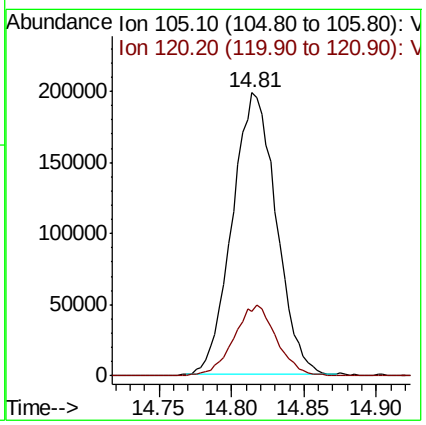


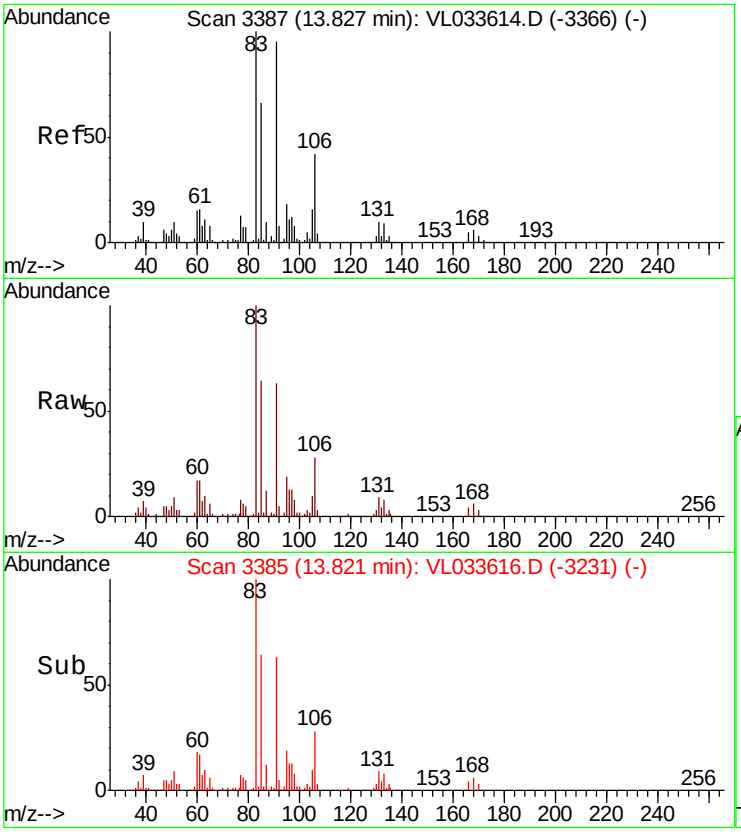


#62
Isopropylbenzene
Concen: 1.105 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:105 Resp: 416979

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.3	30.5



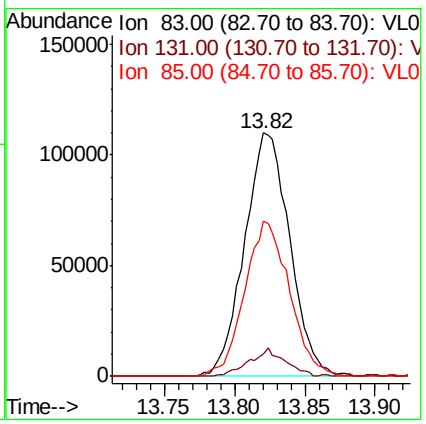


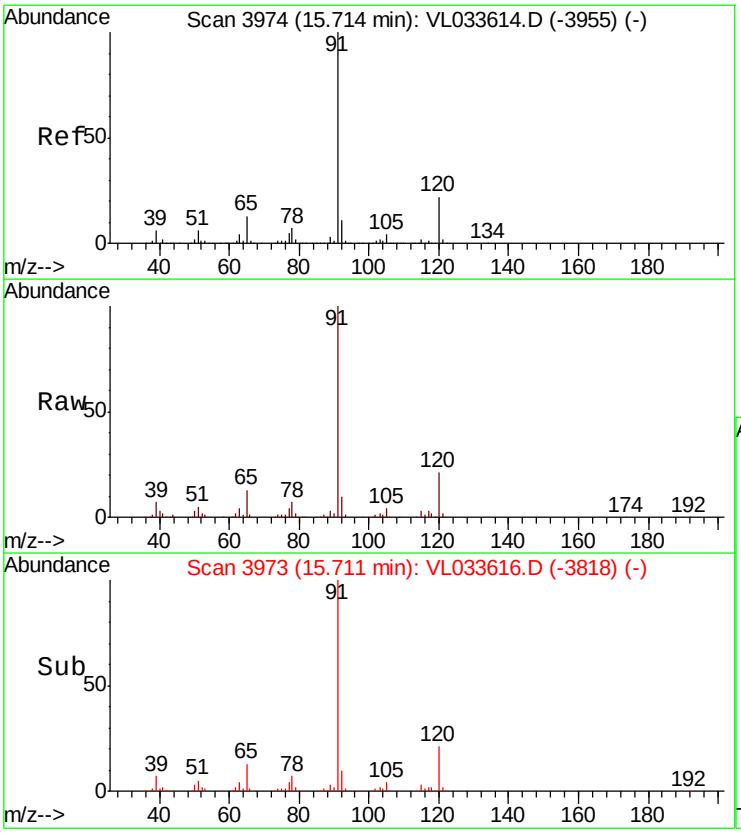
#63
1,1,2,2-Tetrachloroethane
Concen: 1.113 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 246001

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	63.5	32.3	96.8

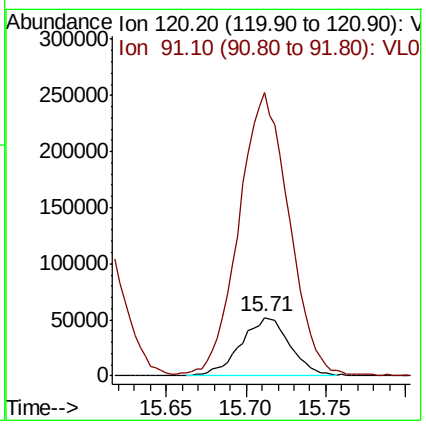


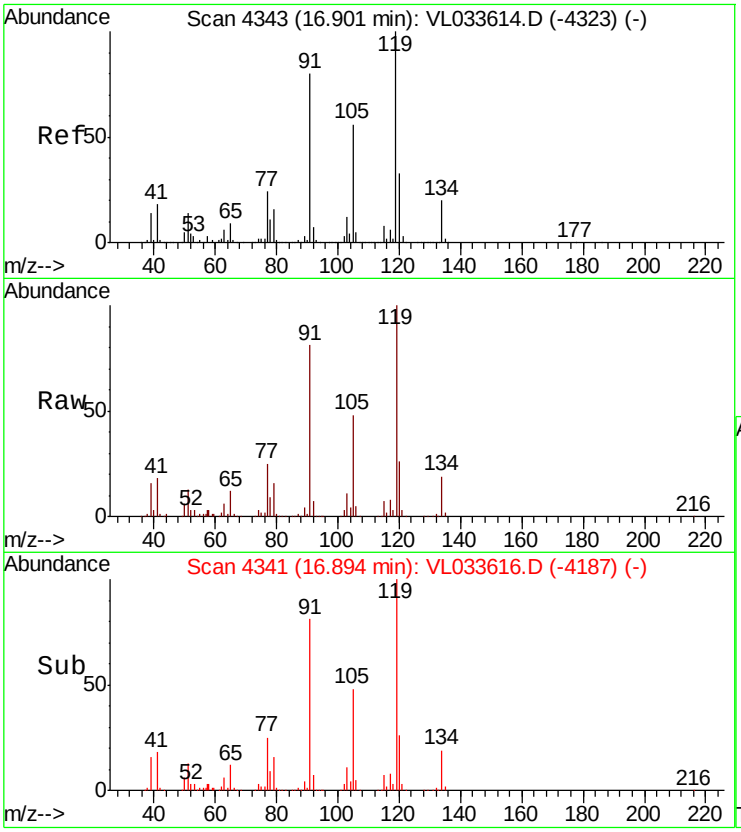


#64
n-propylbenzene
Concen: 1.111 ppbv
RT: 15.71 min Scan# 3973
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:120 Resp: 108705

Ion	Ratio	Lower	Upper
120	100		
91	503.4	380.2	570.2



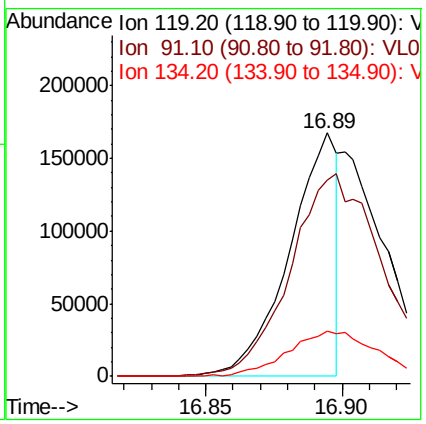


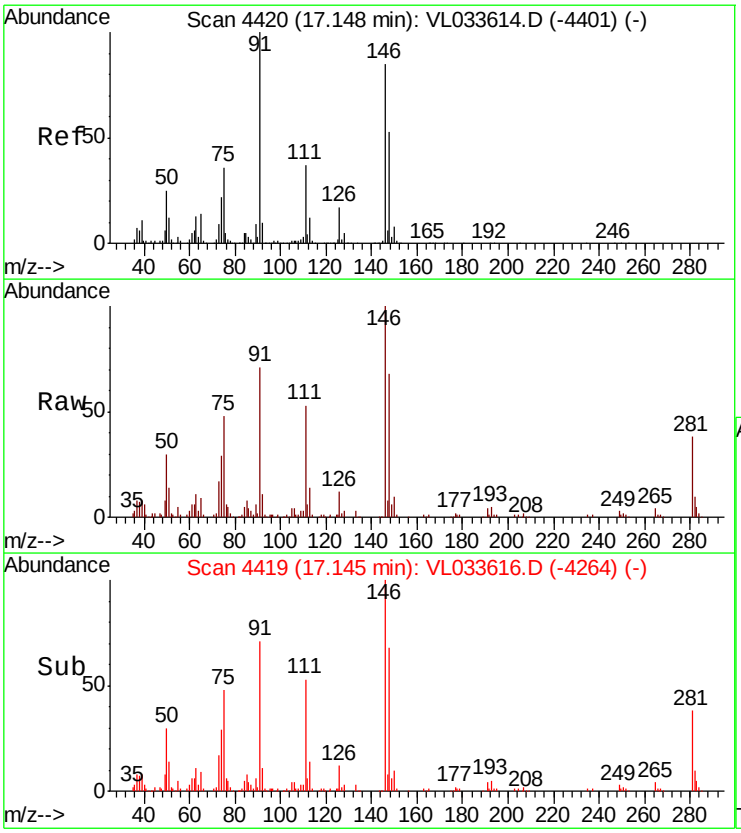
#65
tert-Butylbenzene
Concen: 0.578 ppbv
RT: 16.89 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 203880

Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.1	99.1#
134	35.0	15.6	23.4#

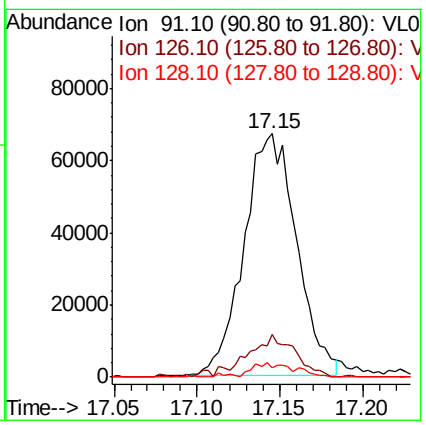


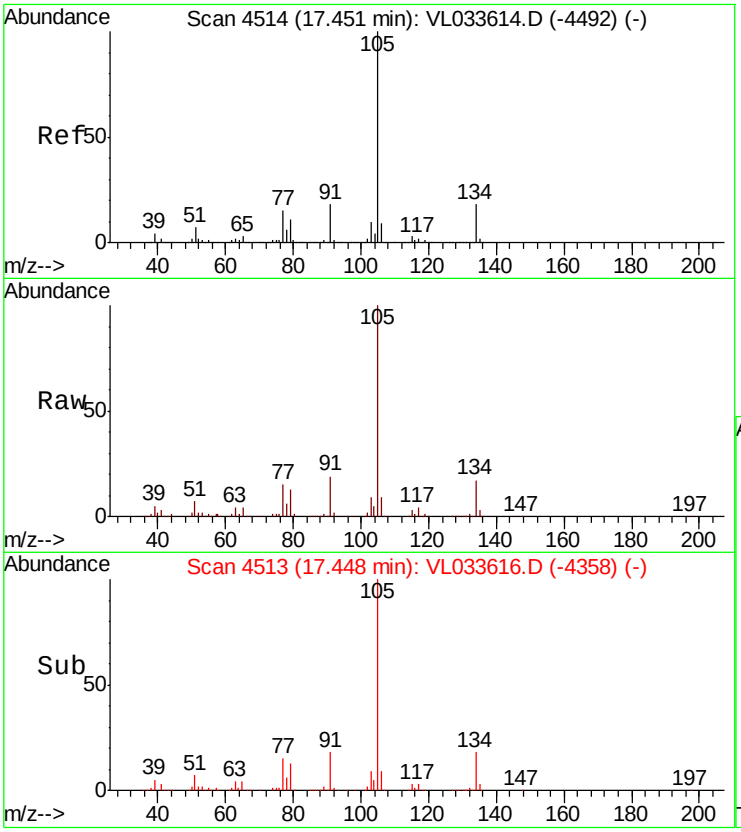


#66
Benzyl Chloride
Concen: 0.927 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 91 Resp: 148616

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.2
128	5.1	4.3	6.5



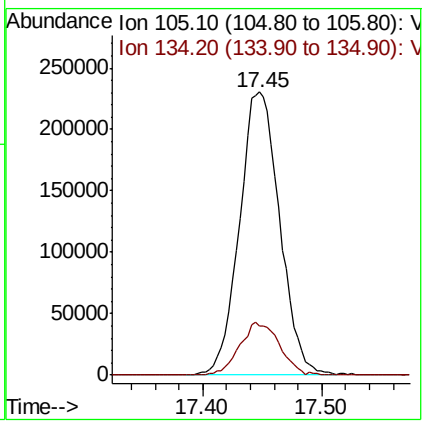


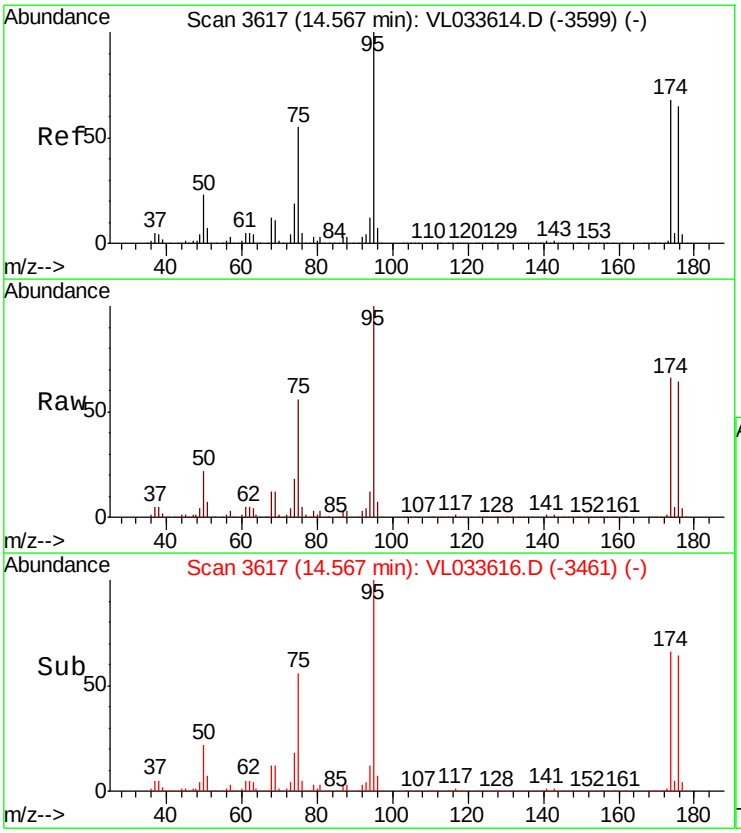
#67
sec-Butylbenzene
Concen: 1.082 ppbv
RT: 17.45 min Scan# 4513
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 536113

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.6	21.8

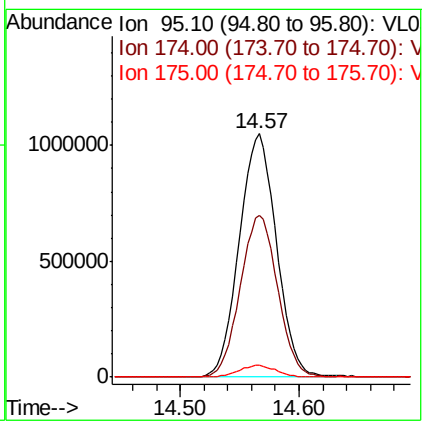


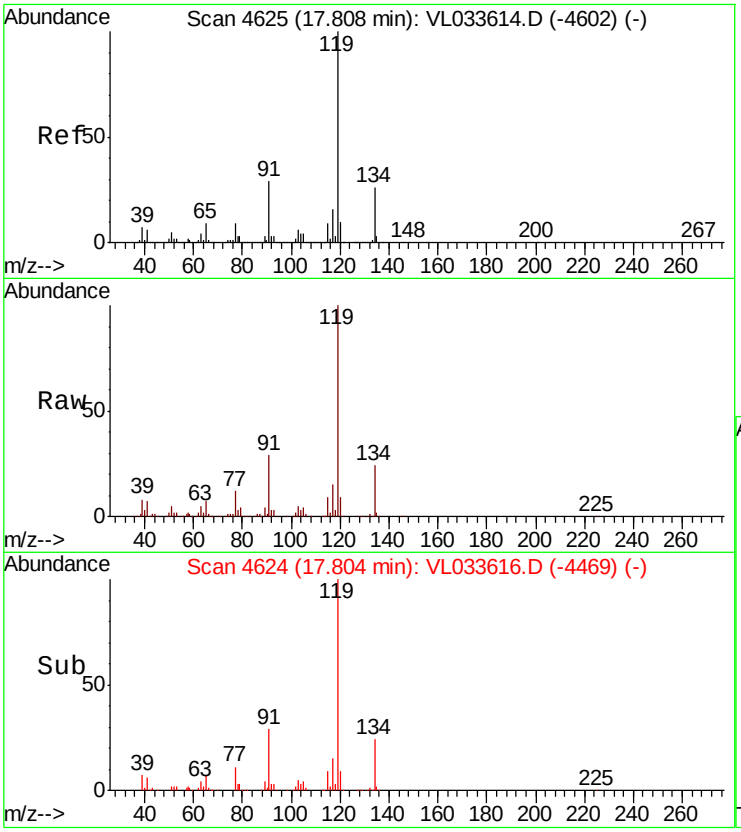


#68
1-Bromo-4-Fluorobenzene
Concen: 10.617 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 95 Resp: 2273617

Ion	Ratio	Lower	Upper
95	100		
174	67.3	53.9	80.9
175	4.9	4.0	6.0



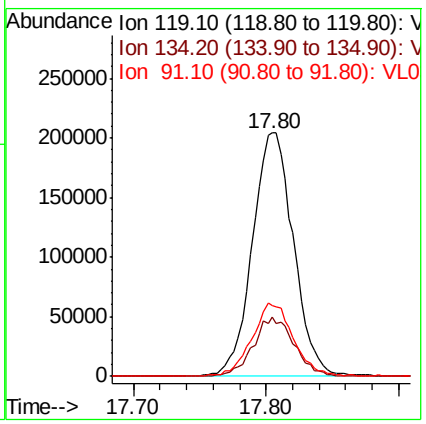


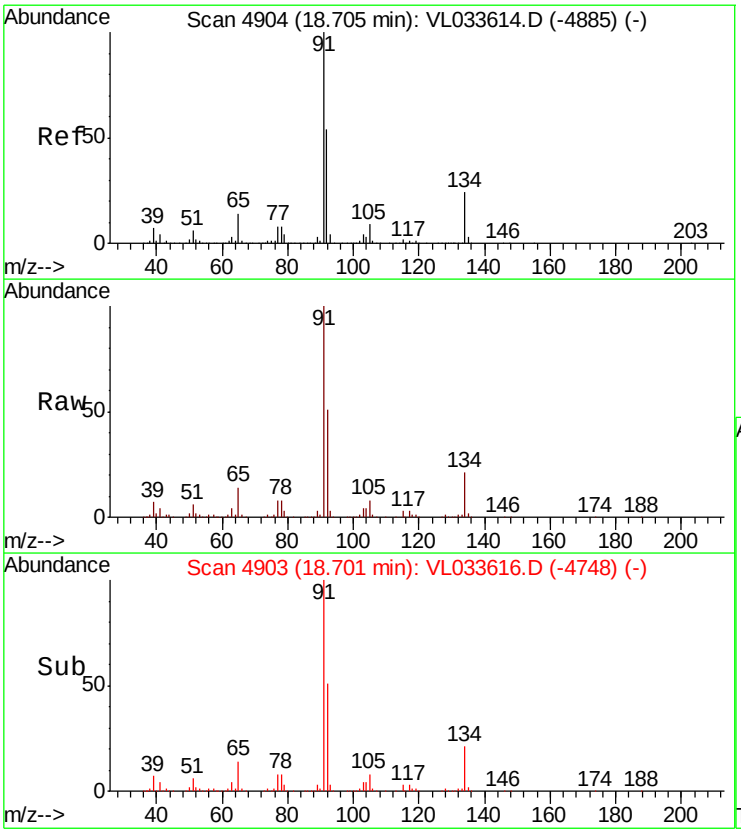
#69
p-Isopropyltoluene
Concen: 1.068 ppbv
RT: 17.80 min Scan# 4624
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 440413

Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.2	30.2
91	30.8	23.3	34.9

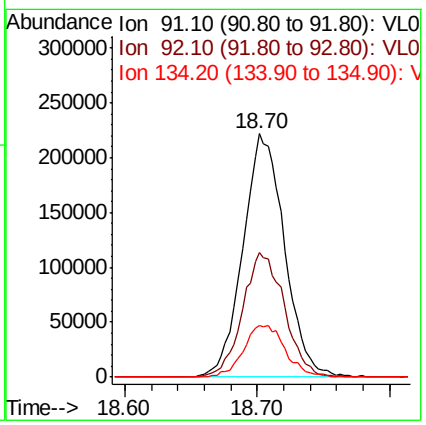


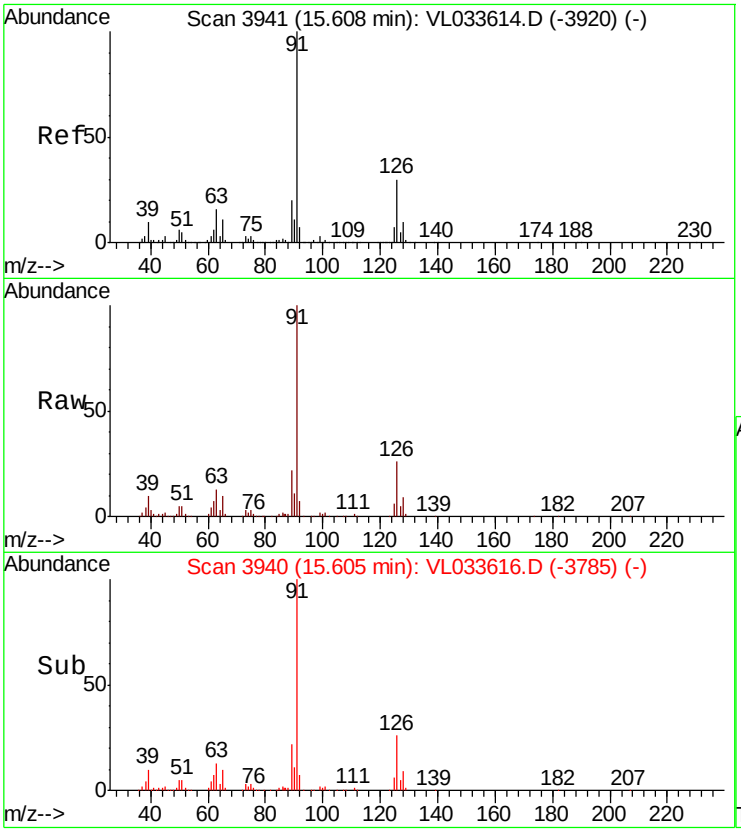


#70
n-Butylbenzene
Concen: 1.073 ppbv
RT: 18.70 min Scan# 4903
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion: 91 Resp: 481310

Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.6	64.0
134	21.6	18.0	27.0



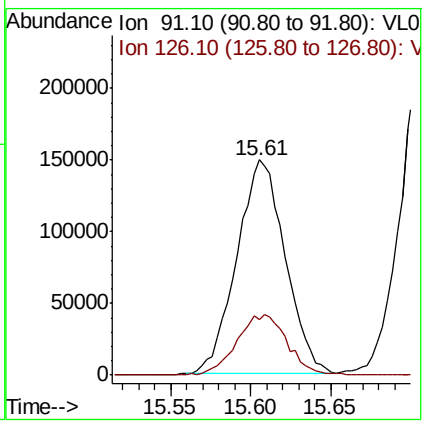


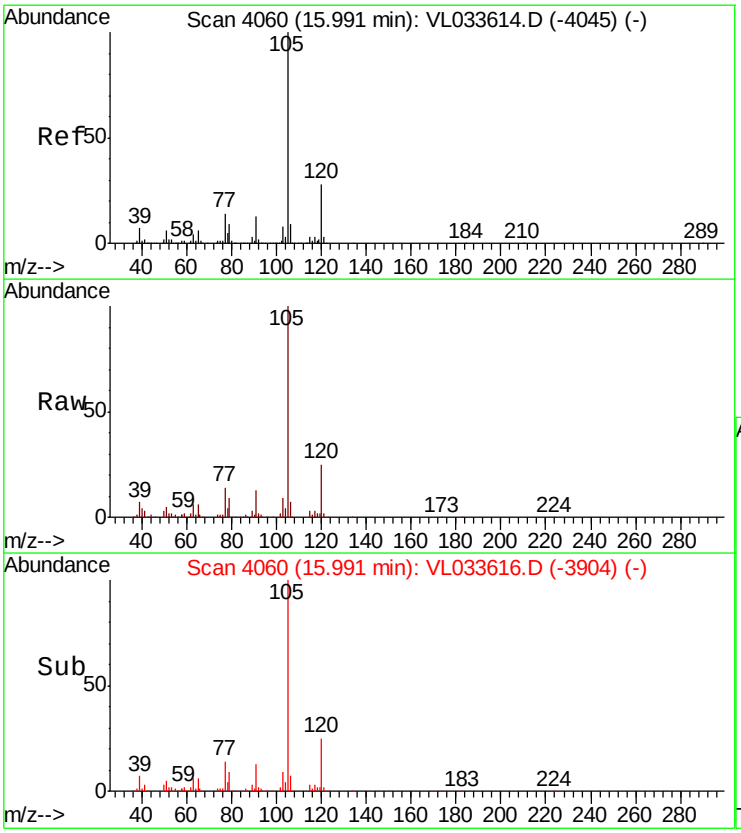
#71
2-Chlorotoluene
Concen: 1.096 ppbv
RT: 15.61 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 309466

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.9	47.7

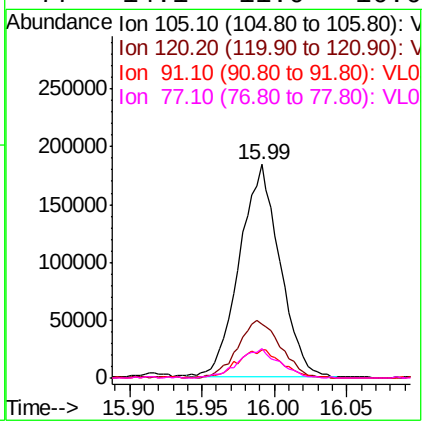


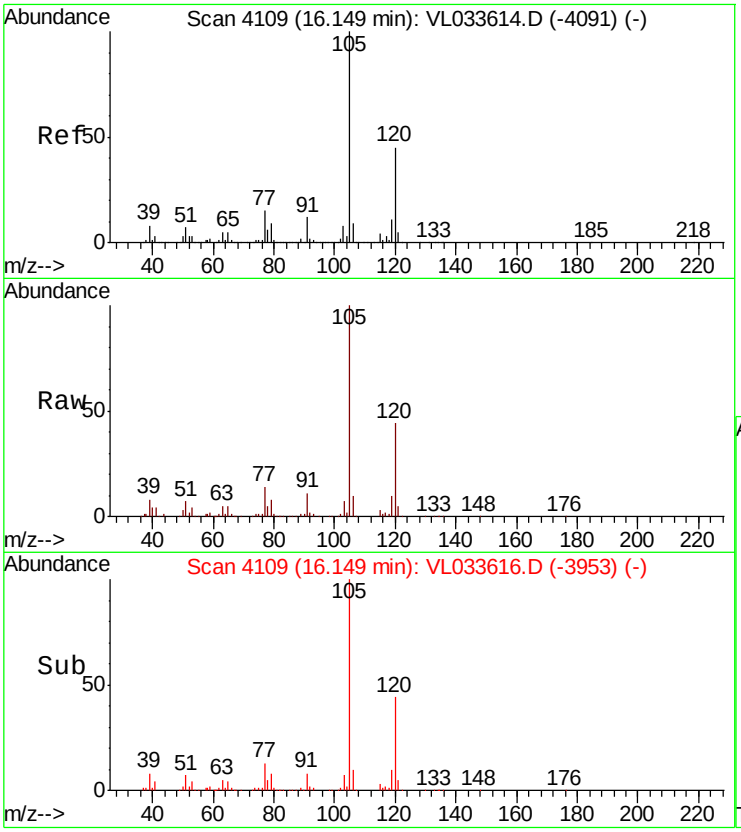


#72
4-Ethyltoluene
Concen: 1.114 ppbv
RT: 15.99 min Scan# 4060
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:105 Resp: 358285

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.2	34.8
91	15.8	10.3	15.5#
77	14.1	11.0	16.6



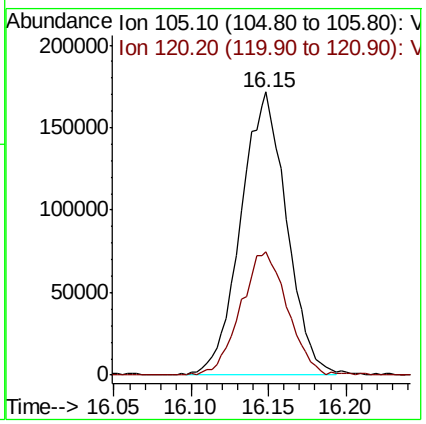


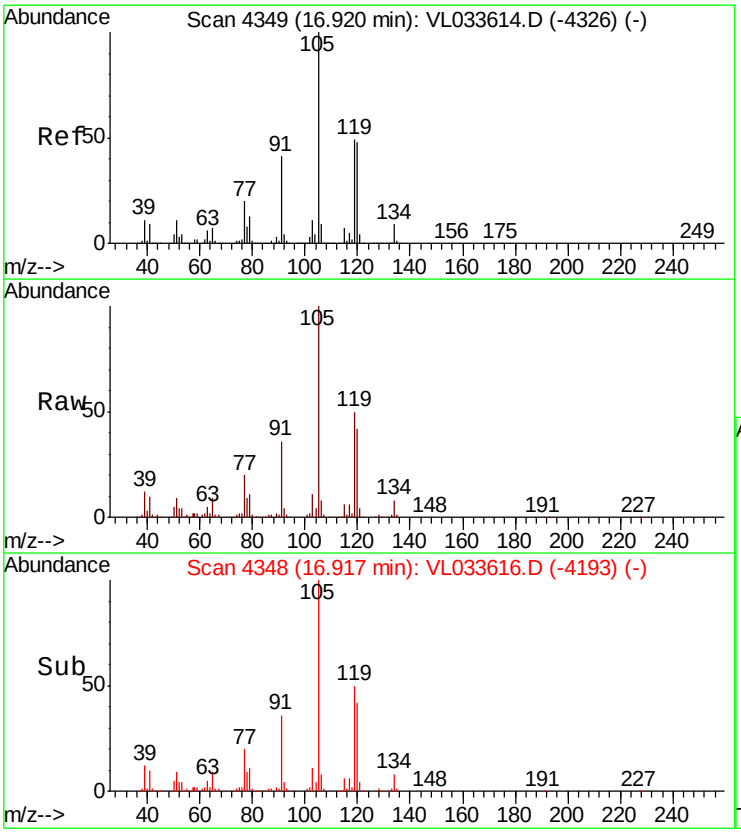
#73
1,3,5-Trimethylbenzene
Concen: 1.108 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 350448

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.2	54.2

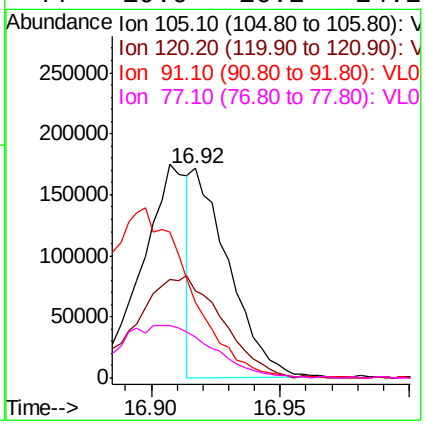


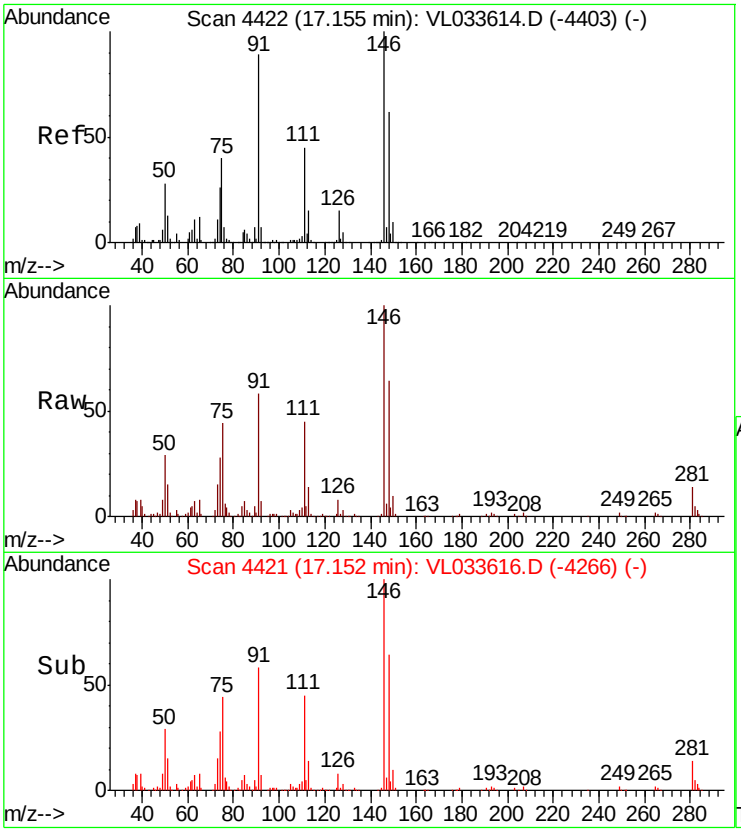


#74
1,2,4-Trimethylbenzene
Concen: 0.486 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:105 Resp: 171260

Ion	Ratio	Lower	Upper
105	100		
120	41.9	38.4	57.6
91	36.2	33.0	49.4
77	19.9	16.2	24.2



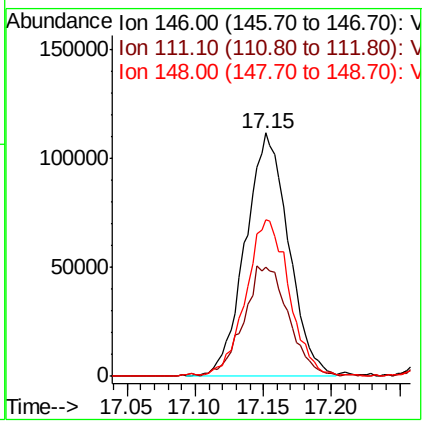


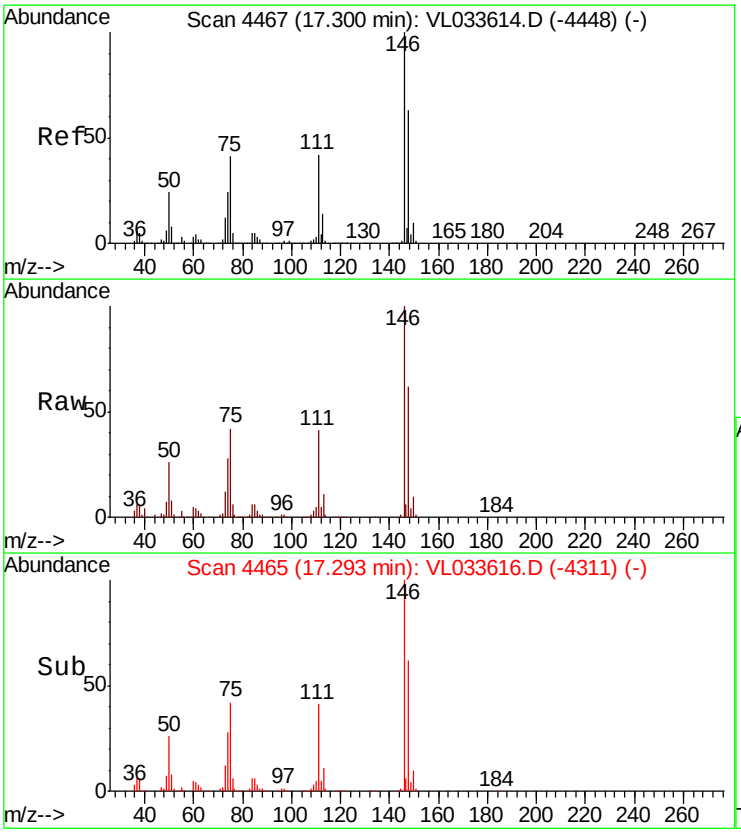
#75
1,3-Dichlorobenzene
Concen: 1.118 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 245238

Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.4	67.2
148	64.9	32.0	96.0

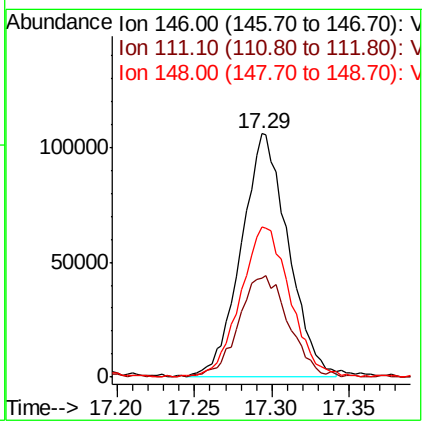


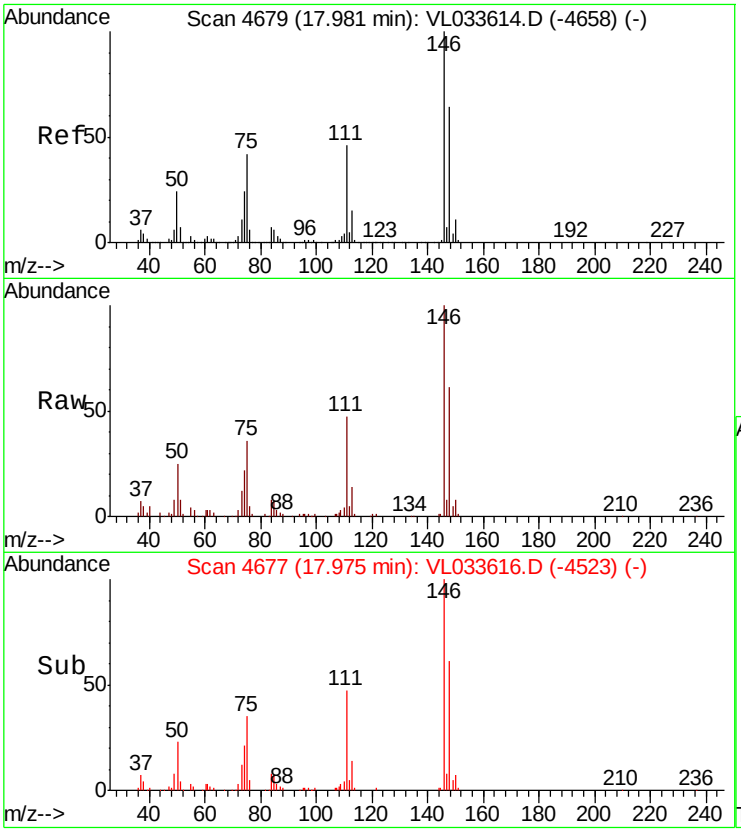


#76
1,4-Dichlorobenzene
Concen: 1.062 ppbv
RT: 17.29 min Scan# 4465
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:146 Resp: 222354

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.6	65.0
148	65.8	32.3	96.9



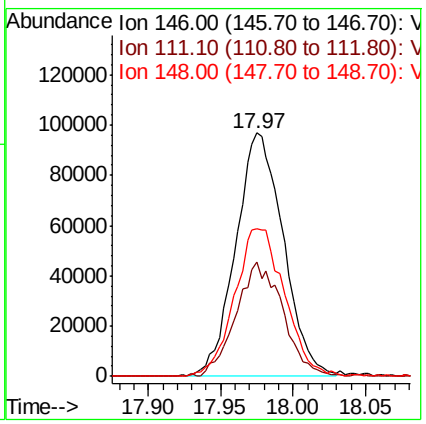


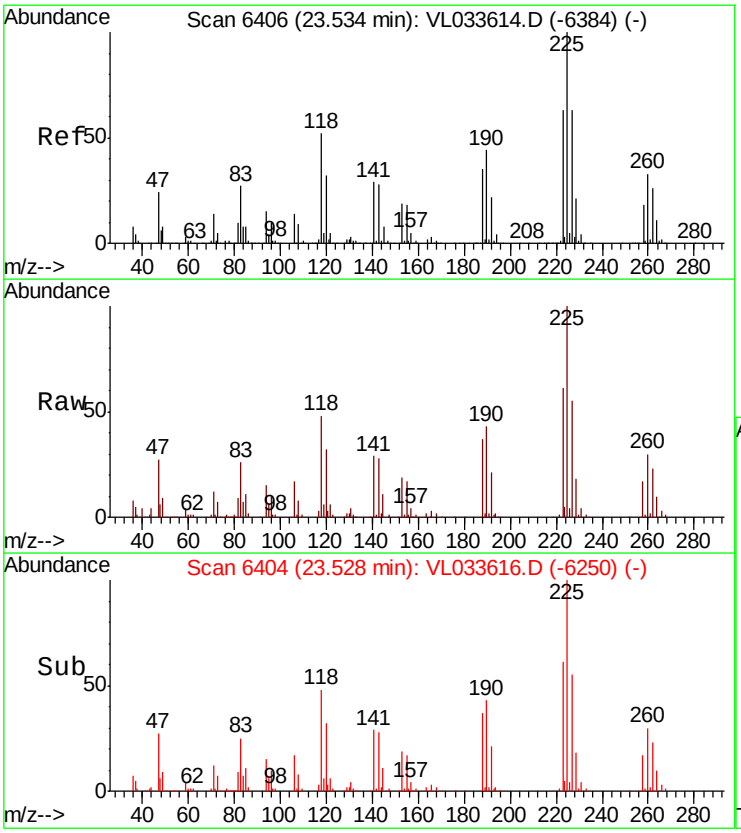
#77
1,2-Dichlorobenzene
Concen: 1.069 ppbv
RT: 17.97 min Scan# 4677
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 218519

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.9
148	64.9	32.2	96.6

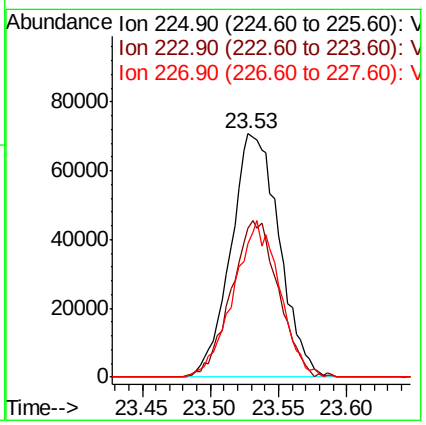


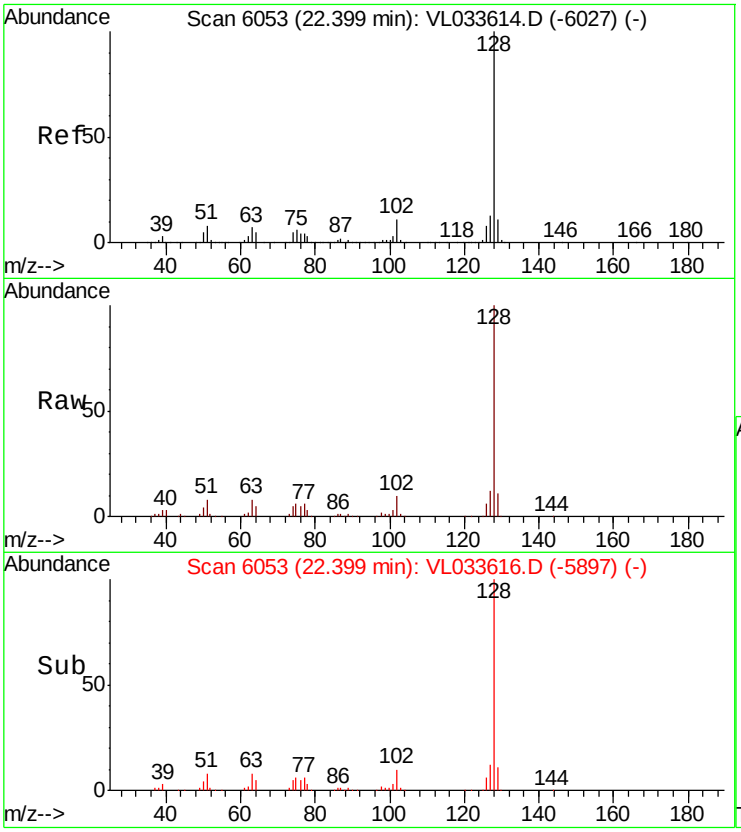


#78
Hexachloro-1,3-Butadiene
Concen: 1.118 ppbv
RT: 23.53 min Scan# 6404
Delta R.T. -0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:225 Resp: 174277

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6
227	61.1	50.7	76.1



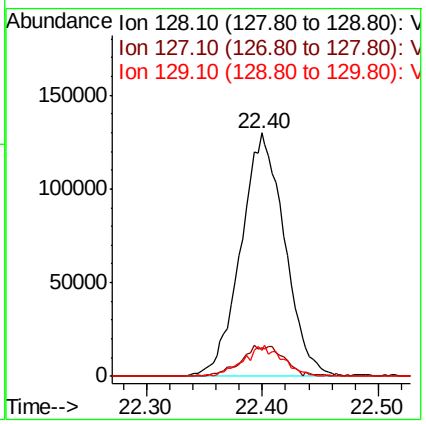


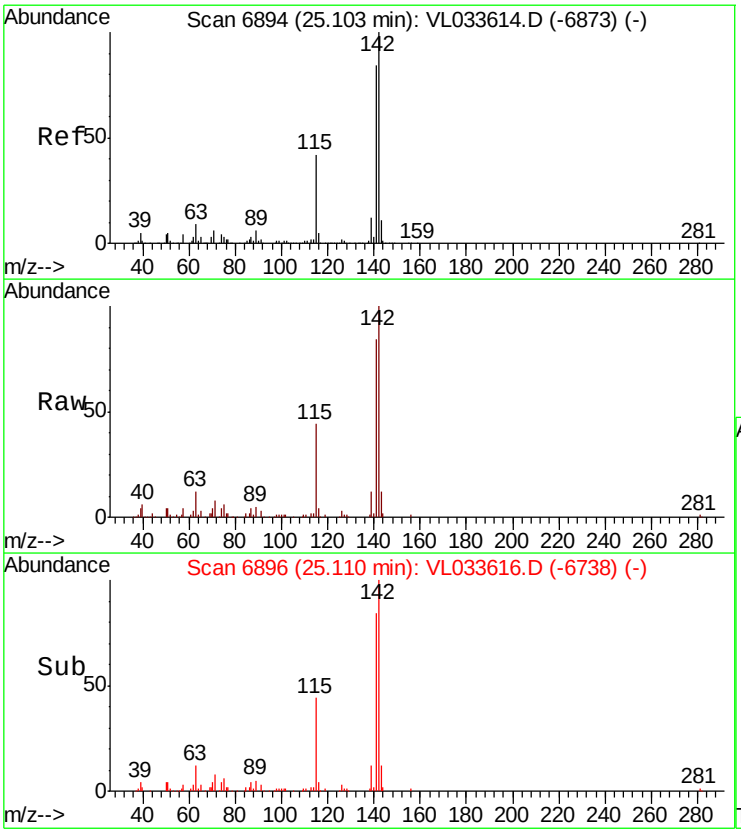
#79
Naphthalene
Concen: 1.045 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 340414

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.6	16.0
129	11.1	8.6	13.0

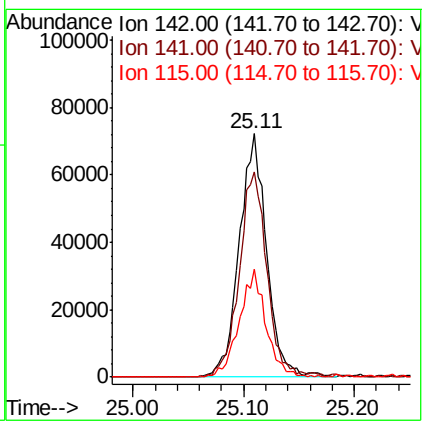


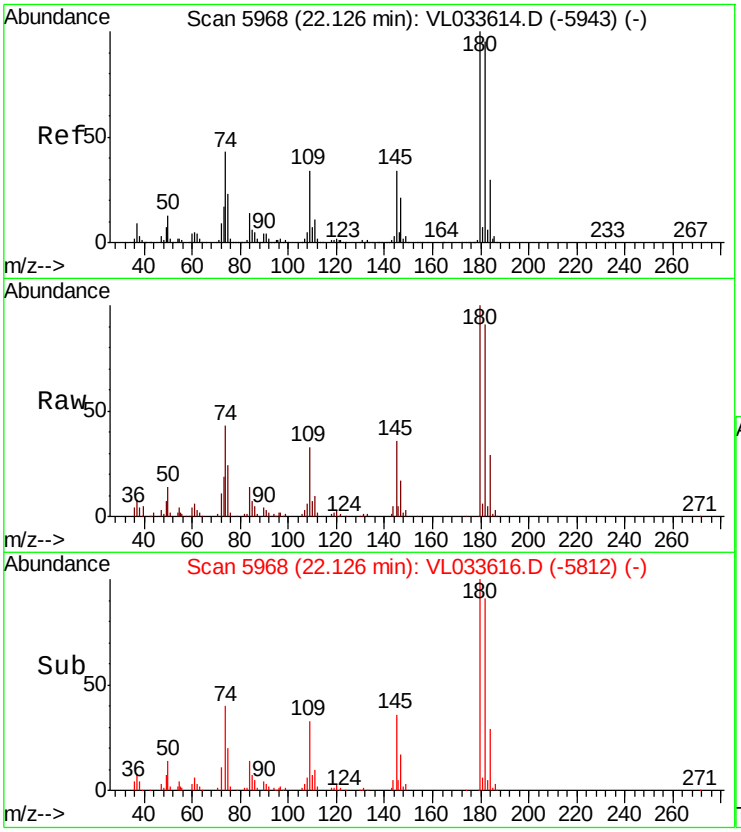


#80
Naphthalene,2-methyl-
Concen: 0.879 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Tgt Ion:142 Resp: 124171

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.3	100.9
115	42.8	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 0.513 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. 0.00 min
Lab File: VL033616.D
Acq: 1 May 2019 13:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 96762

Ion	Ratio	Lower	Upper
180	100		
182	205.0	76.2	114.2#
184	65.6	24.5	36.7#