Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033617.D
Acq On : 1 May 2019 13:52
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: May 02 04:08:10 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	1092951	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2594003	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2658119	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	2174958	10.67	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	117725	0.715	ppbv		94
3) Chlorodifluoromethane	3.01	51	80500	0.575	ppbv		95
4) Chloromethane	3.17	50	40195	0.565	ppbv	#	86
5) Vinyl Chloride	3.28	62	37459	0.502	ppbv	#	86
6) Bromomethane	3.51	94	13809	0.314	ppbv		89
7) Chloroethane	3.60	64	13267	0.533	ppbv	#	84
8) Dichlorotetrafluoroethane	3.21	85	98818	0.551	ppbv		97
9) Propene	3.03	41	28526	0.762	ppbv	#	80
10) Heptane	8.24	43	61776	0.446	ppbv		99
11) Trichlorofluoromethane	4.00	101	114514	0.585	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.55	101	77100	0.574	ppbv		97
13) Ethanol	3.64	45	4513	0.266	ppbv	#	38
14) Bromoethene	3.78	108	29786	0.540	ppbv	#	95
15) Acetone	3.90	43	80706	0.607	ppbv		98
16) 1,3-Butadiene	3.35	39	30919	0.516	ppbv		97
17) tert-Butyl alcohol	4.35	59	40843	0.356	ppbv	#	78
18) 1,1-Dichloroethene	4.35	96	33618	0.576	ppbv	#	82
19) Isopropyl Alcohol	4.02	45	52529	0.575	ppbv	#	92
20) Methylene Chloride	4.40	84	31325	0.604	ppbv	#	92
21) Allyl Chloride	4.47	41	44593	0.533	ppbv		96
22) trans-1,2-Dichloroethene	4.96	96	13239	0.232	ppbv		95
23) Vinyl Acetate	5.14	43	96000	0.485	ppbv	#	94
24) 1,1-Dichloroethane	5.08	63	79726	0.541	ppbv		97
25) Ethyl Acetate	5.76	43	128127	0.507	ppbv		99
26) Hexane	5.77	57	51721	0.486	ppbv		89
27) Carbon Disulfide	4.62	76	60881	0.473	ppbv	#	84
28) Methyl tert-Butyl Ether	5.11	73	85908	0.479	ppbv		99
29) Chloroform	5.83	83	103890	0.533	ppbv		94
30) Cyclohexane	7.24	84	19242	0.209	ppbv	#	1
31) cis-1,2-Dichloroethene	5.63	61	22742	0.212	ppbv		93
32) 1,1,1-Trichloroethane	6.61	97	103166	0.505	ppbv		98
34) 2-Butanone	5.33	43	77727	0.488	ppbv		98
35) Carbon Tetrachloride	7.12	117	99911	0.486	ppbv		93
36) Benzene	6.99	78	107491	0.486	ppbv	#	94
37) 1,2-Dichloroethane	6.40	62	78278	0.533	ppbv		99
38) Trichloroethene	7.95	130	44596	0.504	ppbv		88
39) 1,2-Dichloropropane	7.72	63	38038	0.456	ppbv		95
40) 1,4-Dioxane	7.94	88	346	0.010	ppbv	#	1
41) Tetrahydrofuran	6.16	42	36688	0.431	ppbv		95
42) Bromodichloromethane	7.90	83	99104	0.499	ppbv		90
43) Methyl Methacrylate	8.13	69	35848	0.428	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033617.D
Acq On : 1 May 2019 13:52
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: May 02 04:08:10 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	189633	0.492	ppbv		94
45) t-1,3-Dichloropropene	9.40	75	22636	0.204	ppbv		89
46) cis-1,3-Dichloropropene	8.83	75	47224	0.377	ppbv		93
47) 1,1,2-Trichloroethane	9.60	97	49328	0.454	ppbv		91
48) Dibromochloromethane	10.44	129	74203	0.403	ppbv		99
49) Bromoform	13.18	173	40031	0.284	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.87	43	106850	0.428	ppbv		95
51) 2-Hexanone	10.27	43	80105	0.366	ppbv	#	91
52) Tetrachloroethene	11.36	164	41201	0.485	ppbv		92
53) Toluene	9.94	91	100405	0.360	ppbv		97
54) 1,2-Dibromoethane	10.75	107	69433	0.465	ppbv		90
56) 1,1,1,2-Tetrachloroethane	12.27	131	61636	0.531	ppbv	#	1
57) Chlorobenzene	12.29	112	110499	0.534	ppbv		96
58) Ethyl Benzene	12.86	91	145152	0.469	ppbv		98
59) m/p-Xylene	13.13	91	41779	0.156	ppbv	#	100
60) o-Xylene	13.84	91	132248	0.492	ppbv		95
61) Styrene	13.67	104	76549	0.416	ppbv		94
62) Isopropylbenzene	14.82	105	177983	0.495	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.82	83	114739	0.545	ppbv		98
64) n-propylbenzene	15.72	120	44537	0.478	ppbv		88
65) tert-Butylbenzene	16.90	119	93774	0.279	ppbv	#	20
66) Benzyl Chloride	17.15	91	61736	0.405	ppbv		97
67) sec-Butylbenzene	17.45	105	226240	0.480	ppbv		98
69) p-Isopropyltoluene	17.81	119	178269	0.454	ppbv		95
70) n-Butylbenzene	18.70	91	202860	0.475	ppbv		96
71) 2-Chlorotoluene	15.61	91	127457	0.474	ppbv		100
72) 4-Ethyltoluene	15.99	105	134336	0.439	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.15	105	143908	0.478	ppbv		90
74) 1,2,4-Trimethylbenzene	16.91	105	172370	0.514	ppbv	#	89
75) 1,3-Dichlorobenzene	17.15	146	115424	0.553	ppbv		96
76) 1,4-Dichlorobenzene	17.30	146	103411	0.519	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	76083	0.391	ppbv		73
78) Hexachloro-1,3-Butadiene	23.53	225	86075	0.580	ppbv		98
79) Naphthalene	22.41	128	65160	0.210	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	42860	0.319	ppbv		97
81) 1,2,4-Trichlorobenzene	22.12	180	16395	0.091	ppbv	#	12

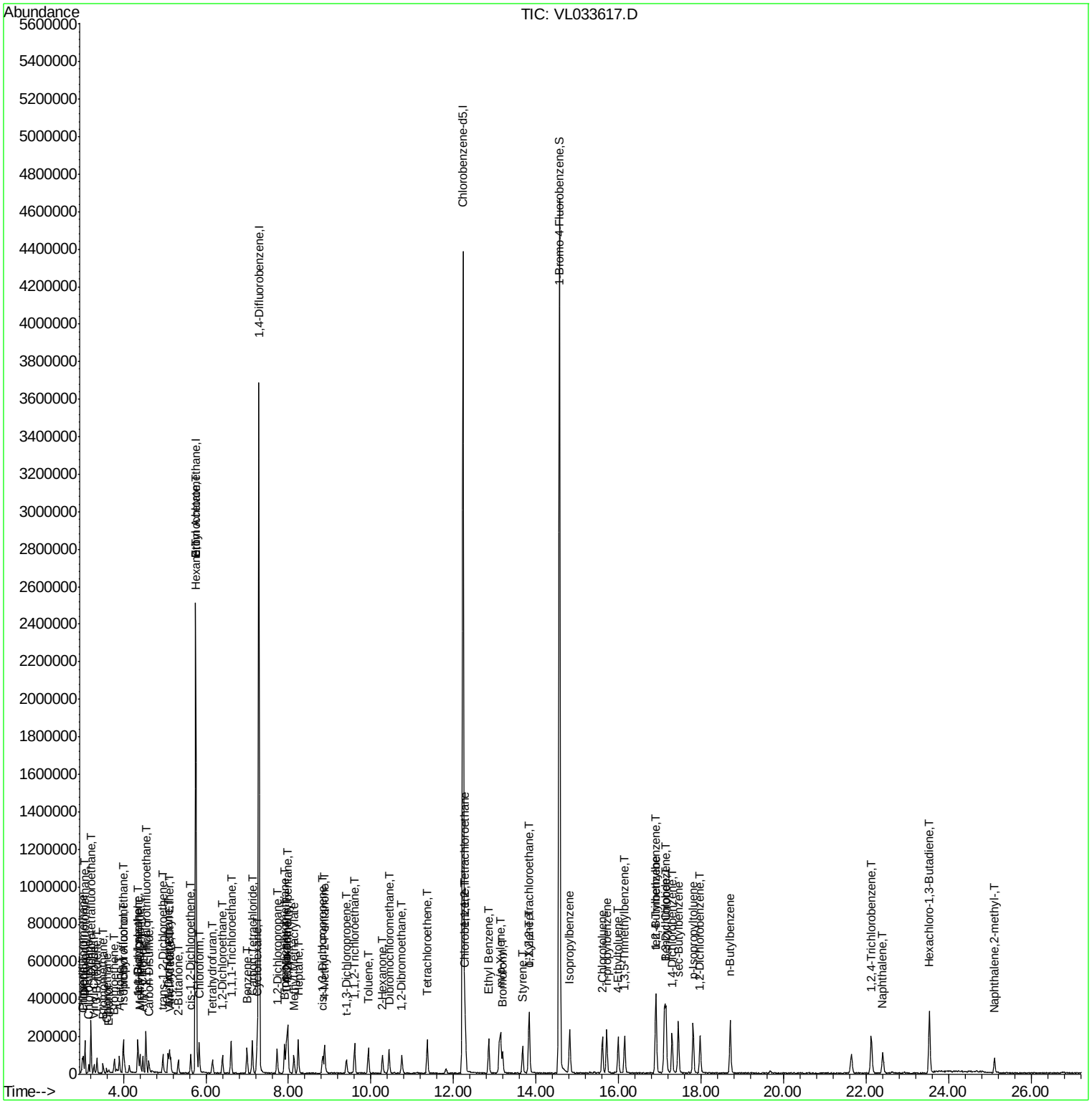
(#) = qualifier out of range (m) = manual integration (+) = signals summed

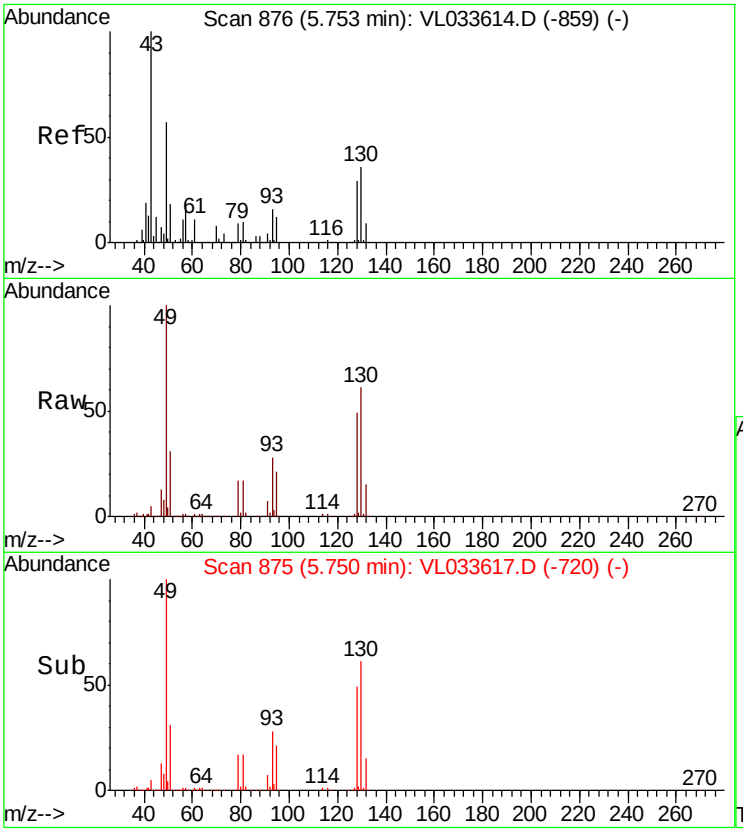
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050119\
Data File : VL033617.D
Acq On : 1 May 2019 13:52
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: May 02 04:08:10 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



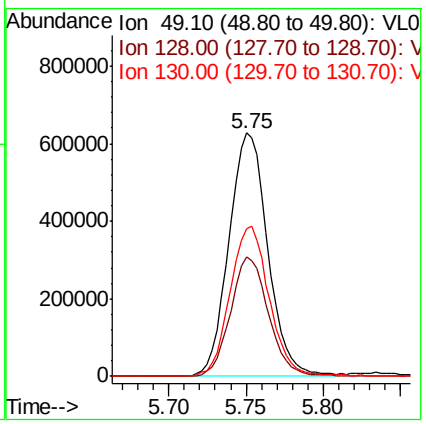


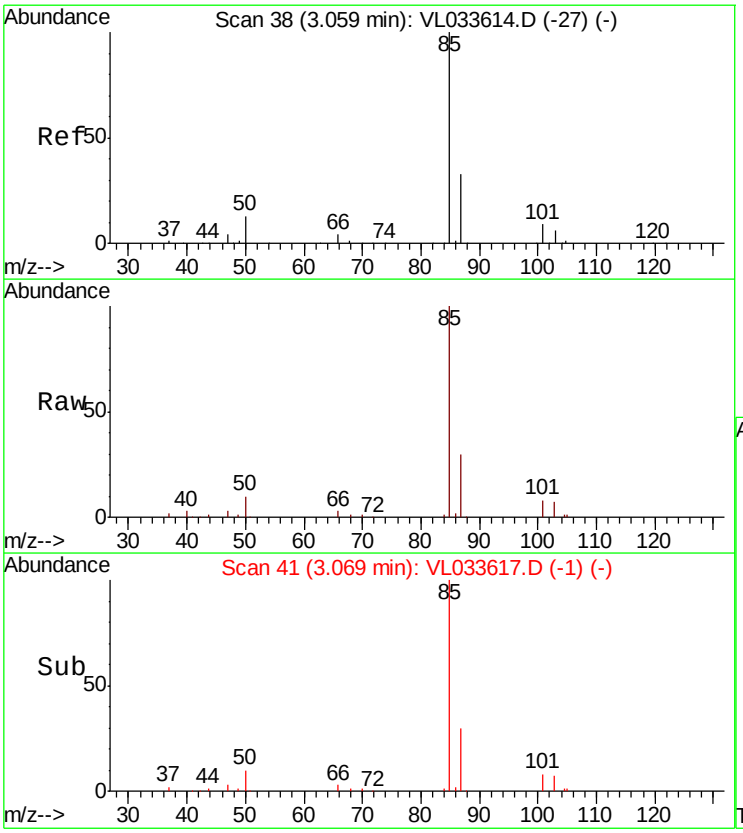
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1092951

Ion	Ratio	Lower	Upper
49	100		
128	48.2	25.0	75.0
130	62.6	31.9	95.9

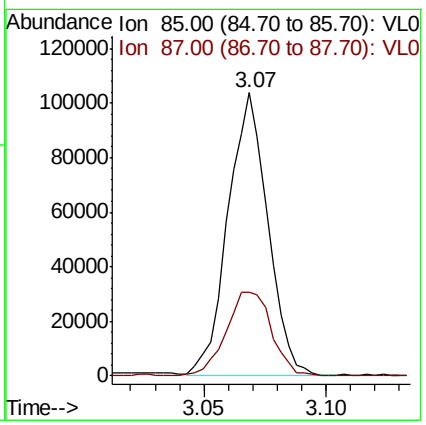


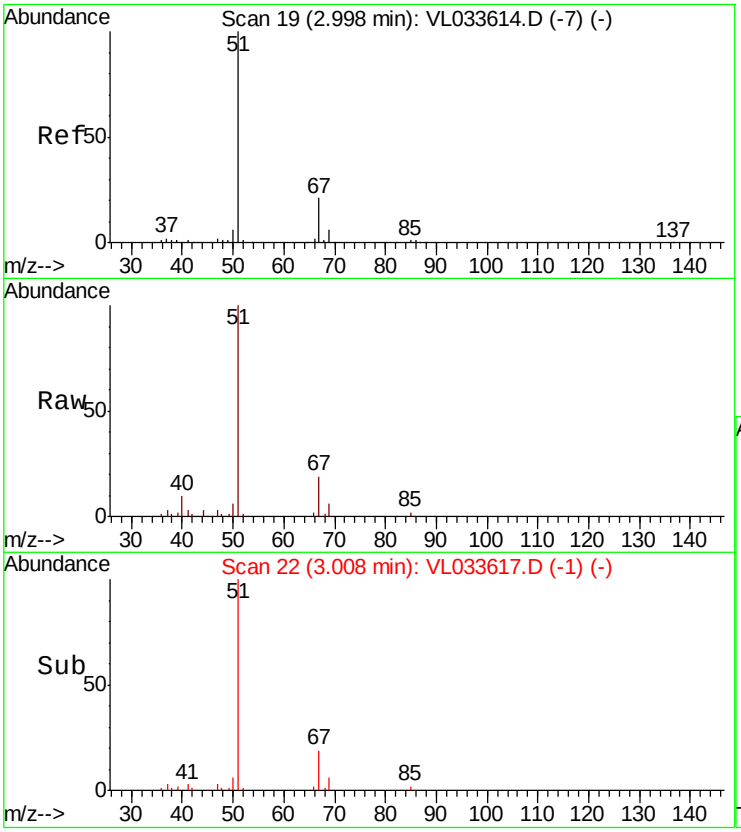


#2
Dichlorodifluoromethane
Concen: 0.715 ppbv
RT: 3.07 min Scan# 41
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 85 Resp: 117725

Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.8	40.2



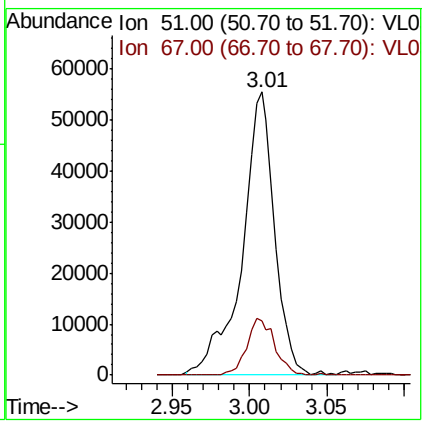


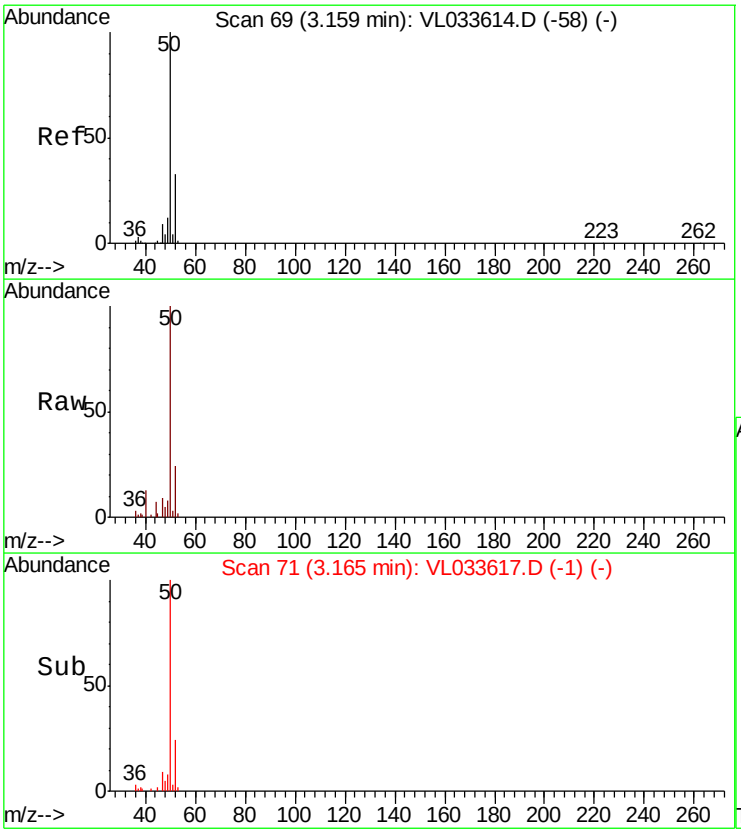
#3
Chlorodifluoromethane
Concen: 0.575 ppbv
RT: 3.01 min Scan# 22
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 51 Resp: 80500

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.6	23.4

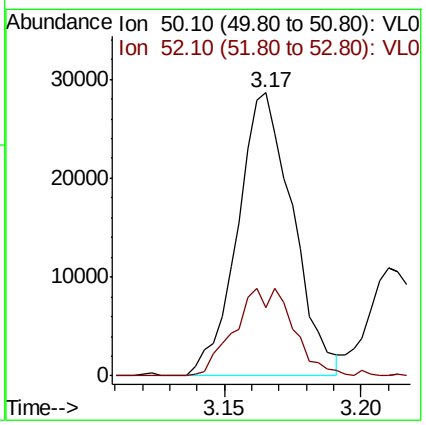


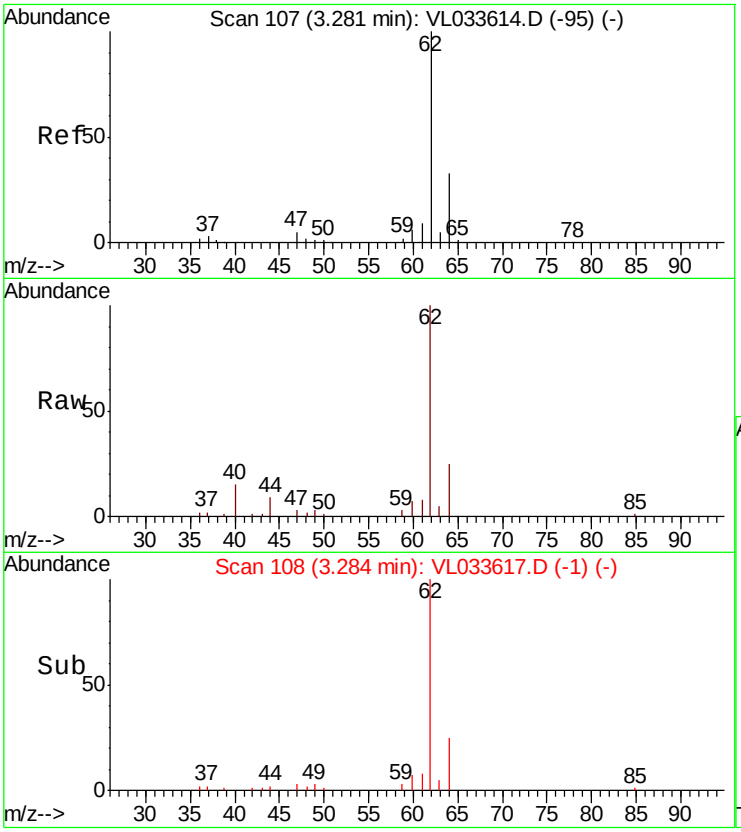


#4
Chloromethane
Concen: 0.565 ppbv
RT: 3.17 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 50 Resp: 40195

Ion	Ratio	Lower	Upper
50	100		
52	24.4	26.0	39.0#



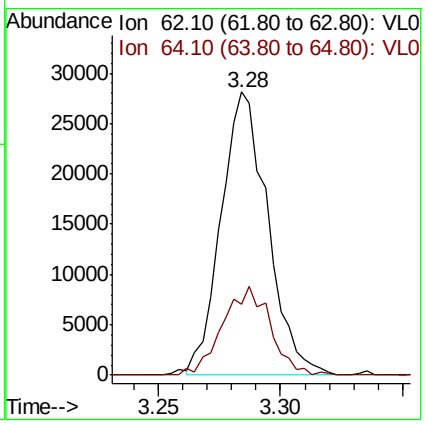


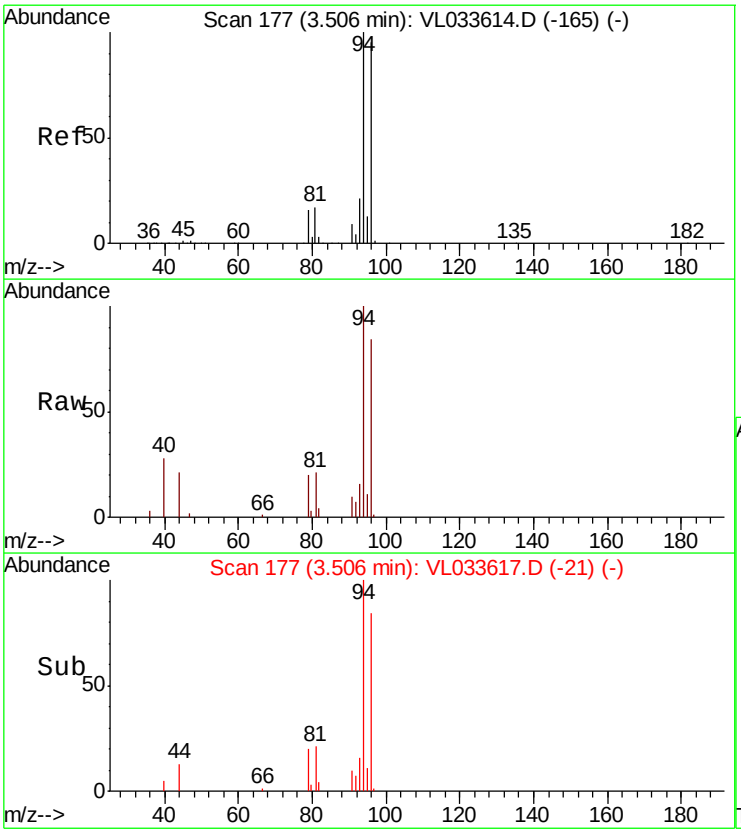
#5
Vinyl Chloride
Concen: 0.502 ppbv
RT: 3.28 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 37459

Ion	Ratio	Lower	Upper
62	100		
64	24.9	26.2	39.4#

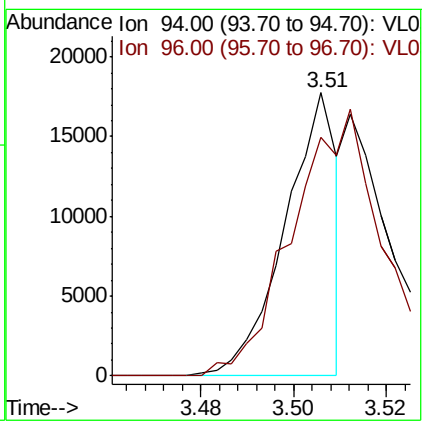


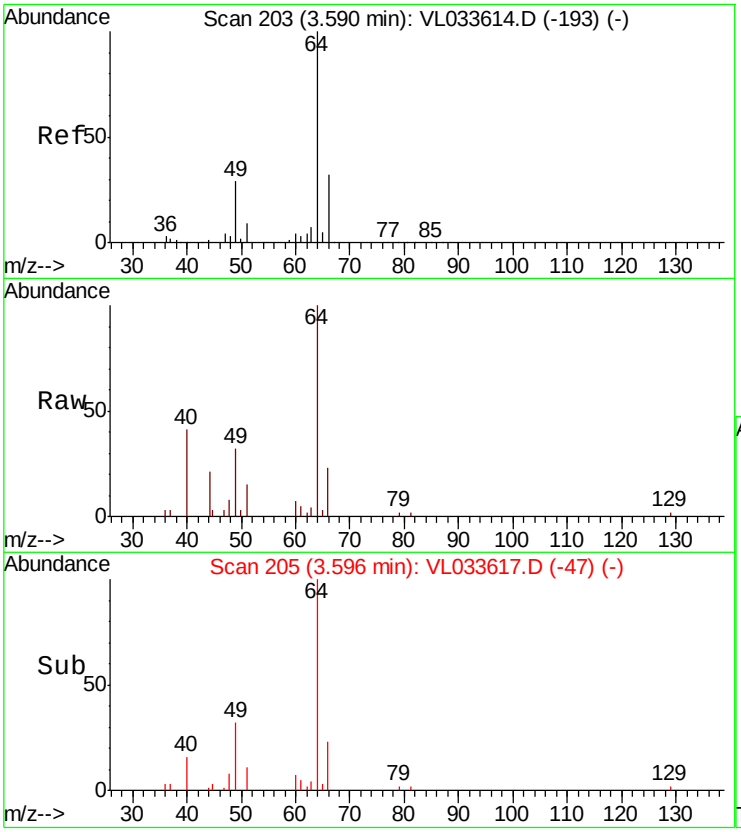


#6
Bromomethane
Concen: 0.314 ppbv
RT: 3.51 min Scan# 177
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 94 Resp: 13809

Ion	Ratio	Lower	Upper
94	100		
96	84.1	75.7	113.5



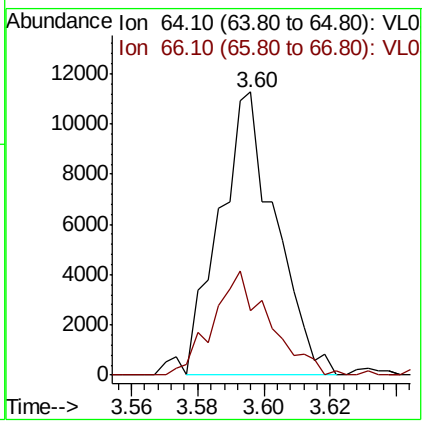


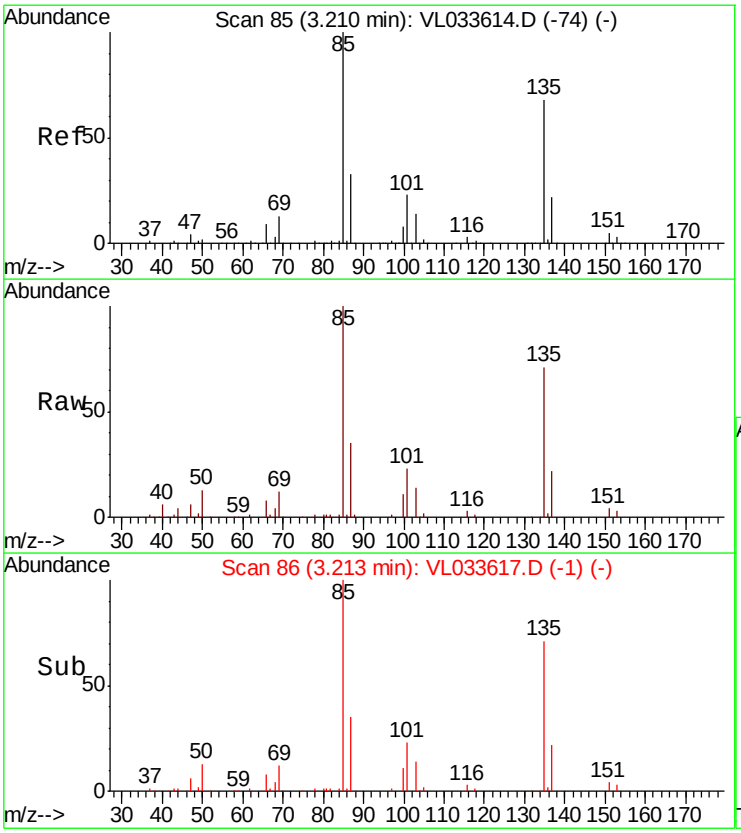
#7
Chloroethane
Concen: 0.533 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 13267

Ion	Ratio	Lower	Upper
64	100		
66	22.7	25.4	38.2#

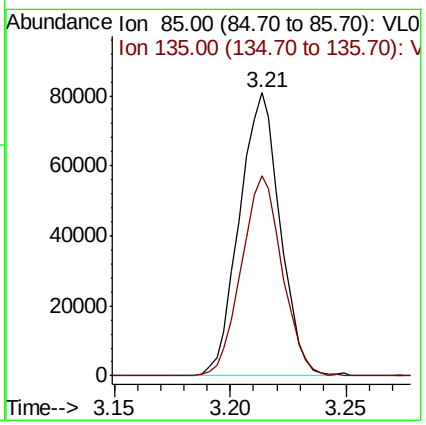


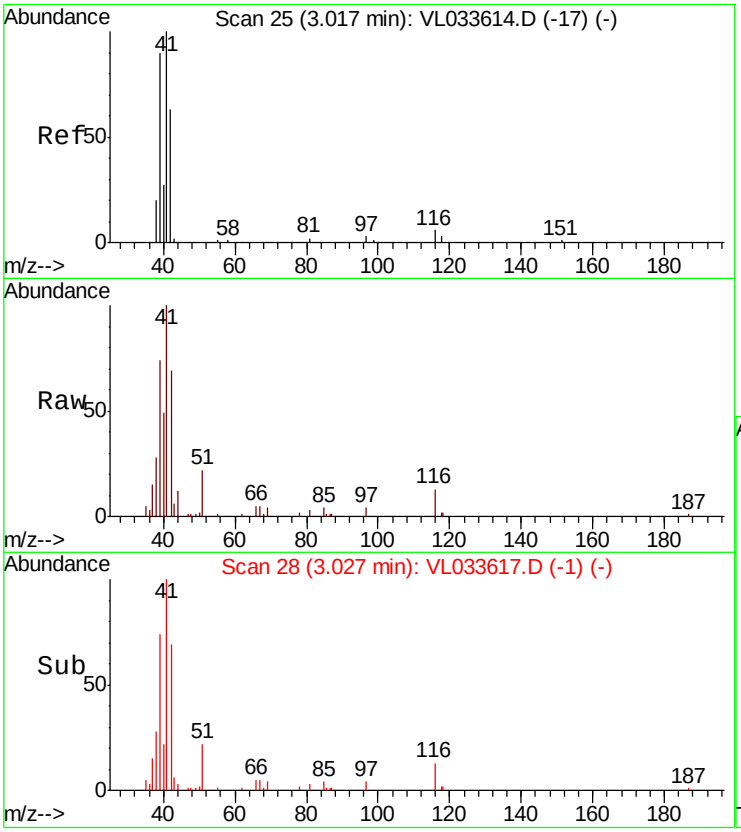


#8
Dichlorotetrafluoroethane
Concen: 0.551 ppbv
RT: 3.21 min Scan# 86
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 85 Resp: 98818

Ion	Ratio	Lower	Upper
85	100		
135	71.1	55.0	82.6



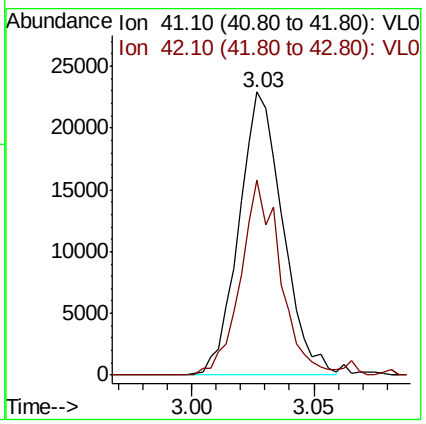


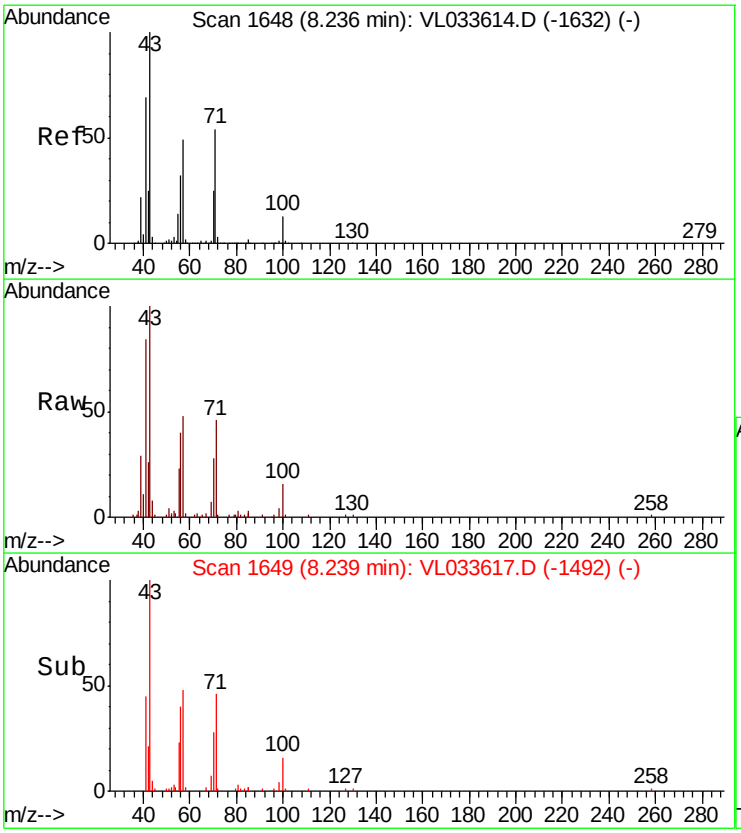
#9
Propene
Concen: 0.762 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 28526

Ion	Ratio	Lower	Upper
41	100		
42	64.3	66.0	99.0#

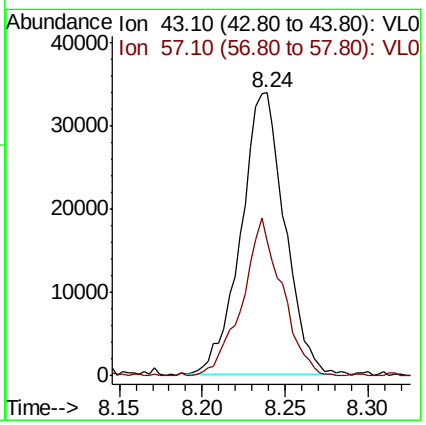


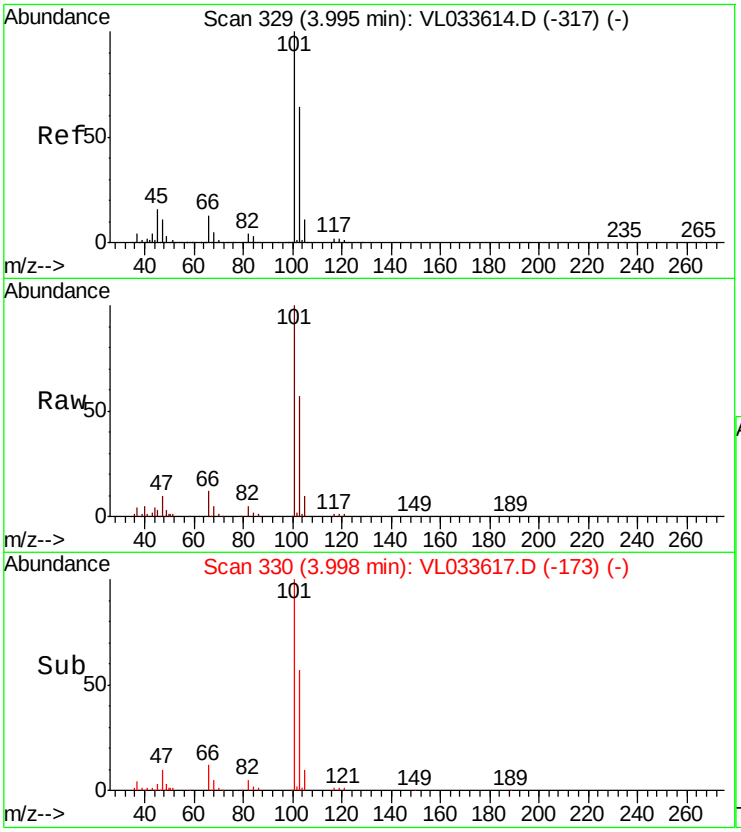


#10
Heptane
Concen: 0.446 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 43 Resp: 61776

Ion	Ratio	Lower	Upper
43	100		
57	51.4	40.3	60.5



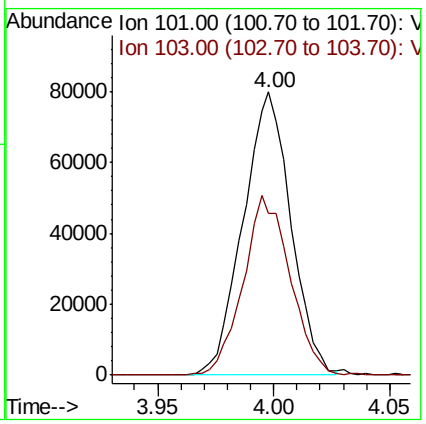


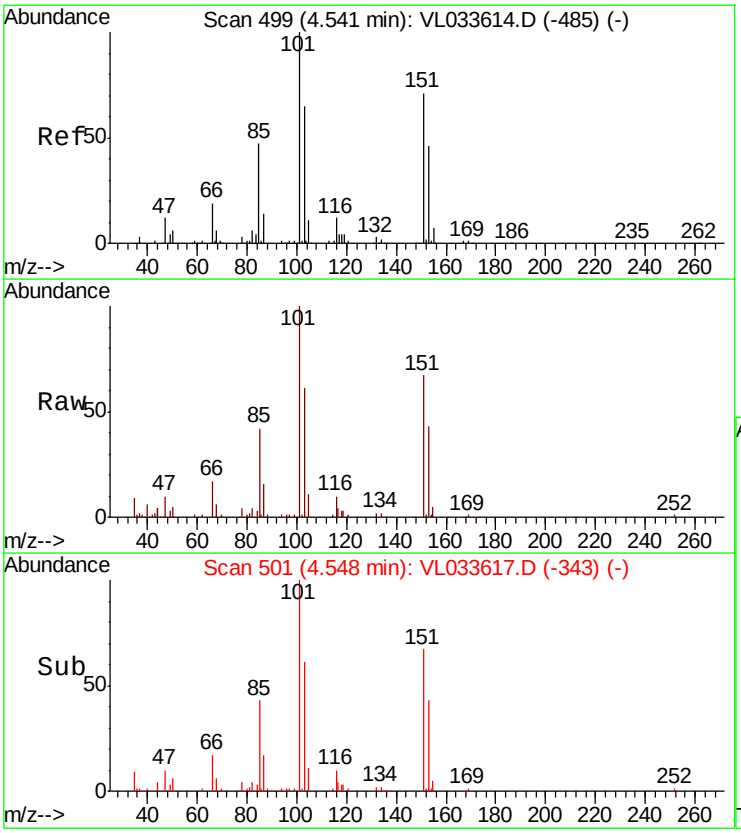
#11
Trichlorofluoromethane
Concen: 0.585 ppbv
RT: 4.00 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 114514

Ion	Ratio	Lower	Upper
101	100		
103	56.8	51.2	76.8

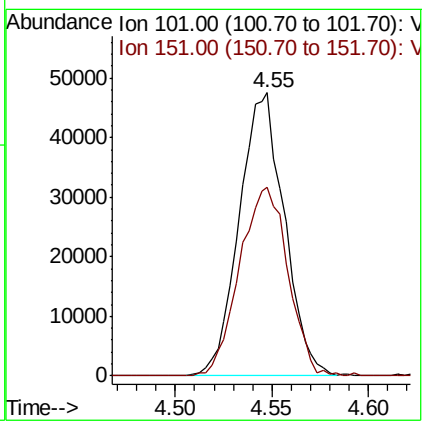


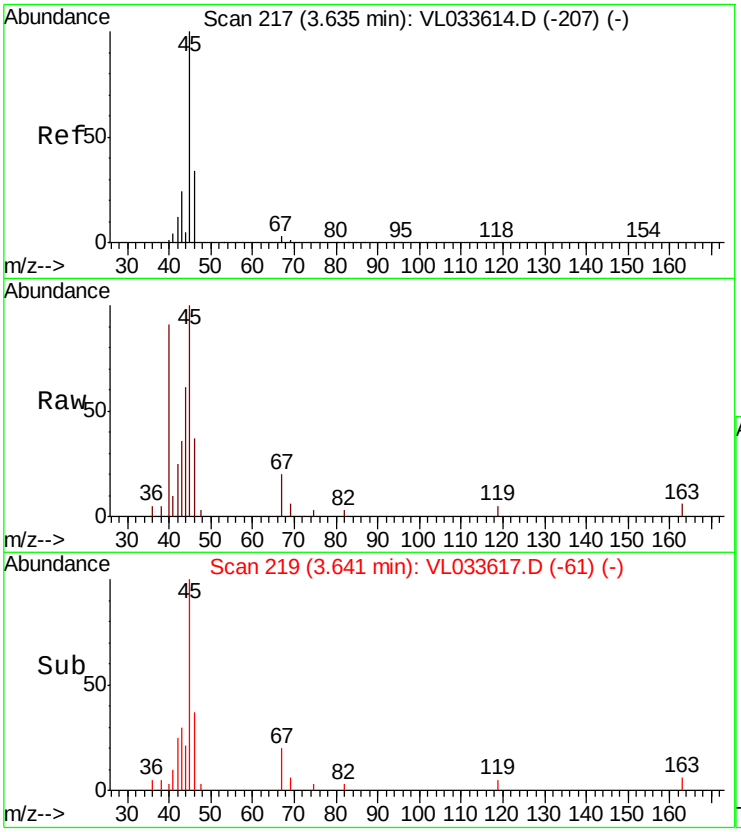


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.574 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:101 Resp: 77100

Ion	Ratio	Lower	Upper
101	100		
151	71.4	59.2	88.8



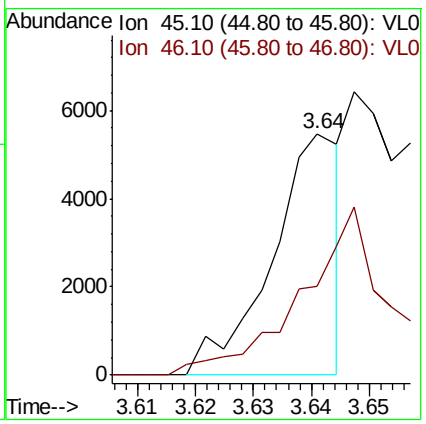


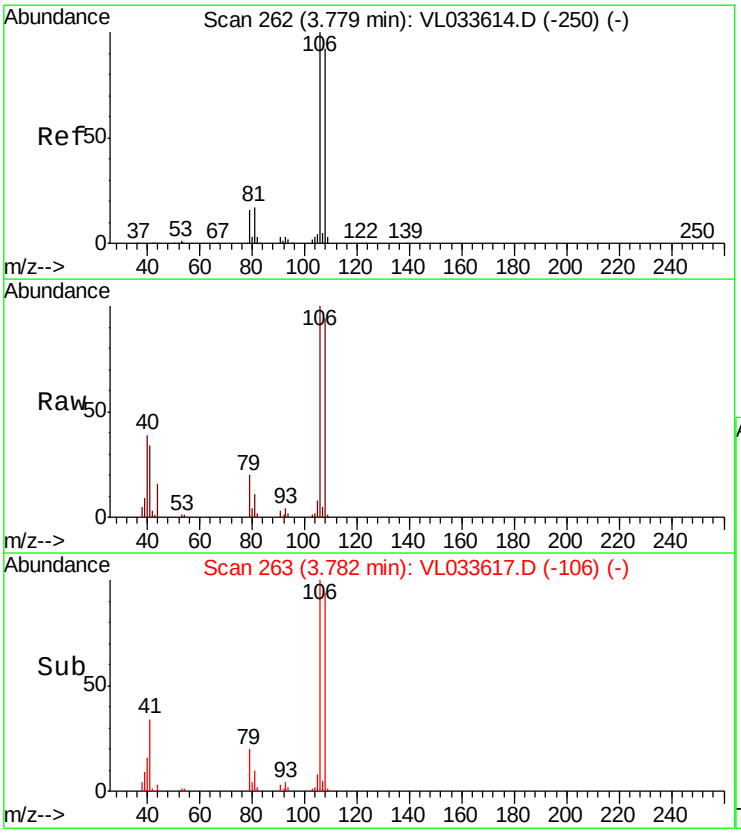
#13
Ethanol
Concen: 0.266 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 4513

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.2#

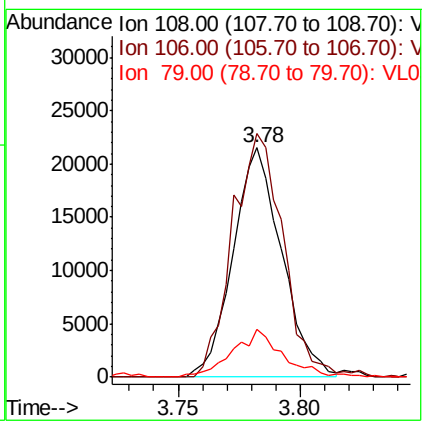


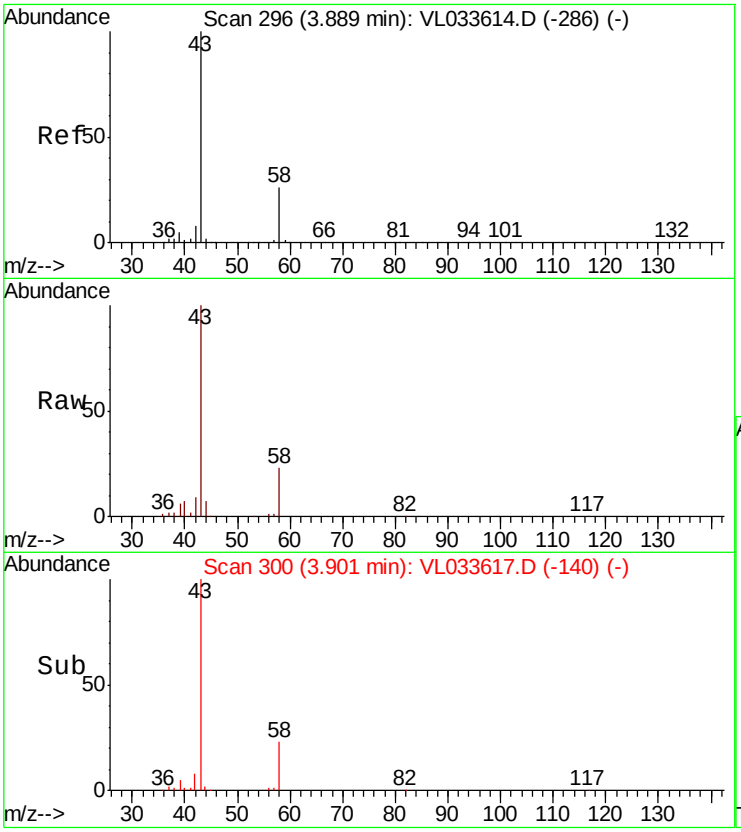


#14
Bromoethene
Concen: 0.540 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:108 Resp: 29786

Ion	Ratio	Lower	Upper
108	100		
106	110.8	84.6	127.0
79	22.1	14.4	21.6#



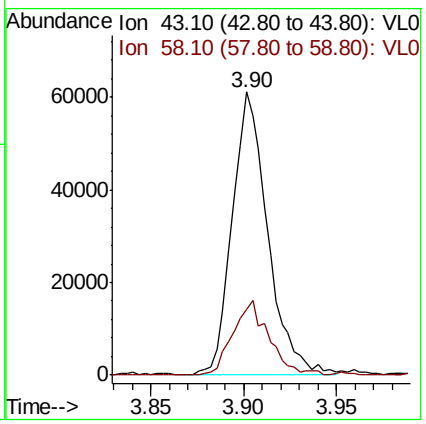


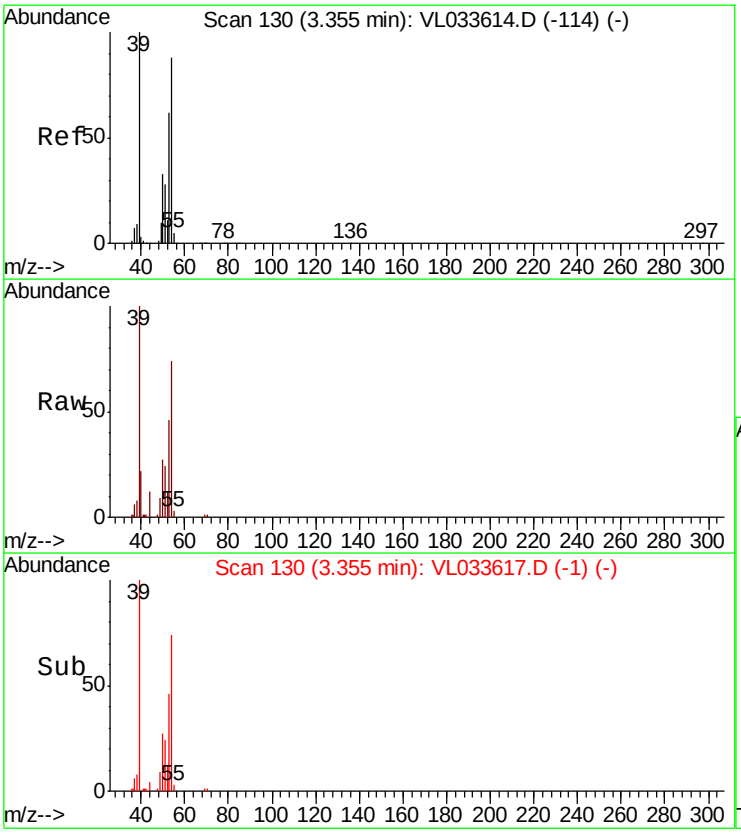
#15
Acetone
Concen: 0.607 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 80706

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

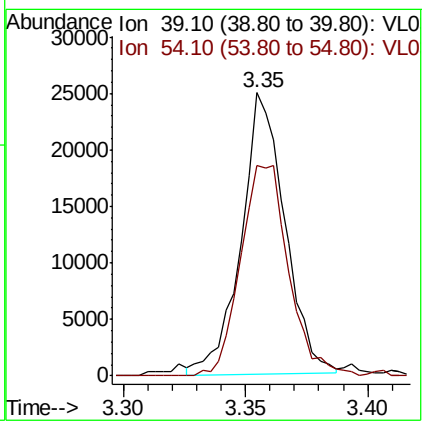


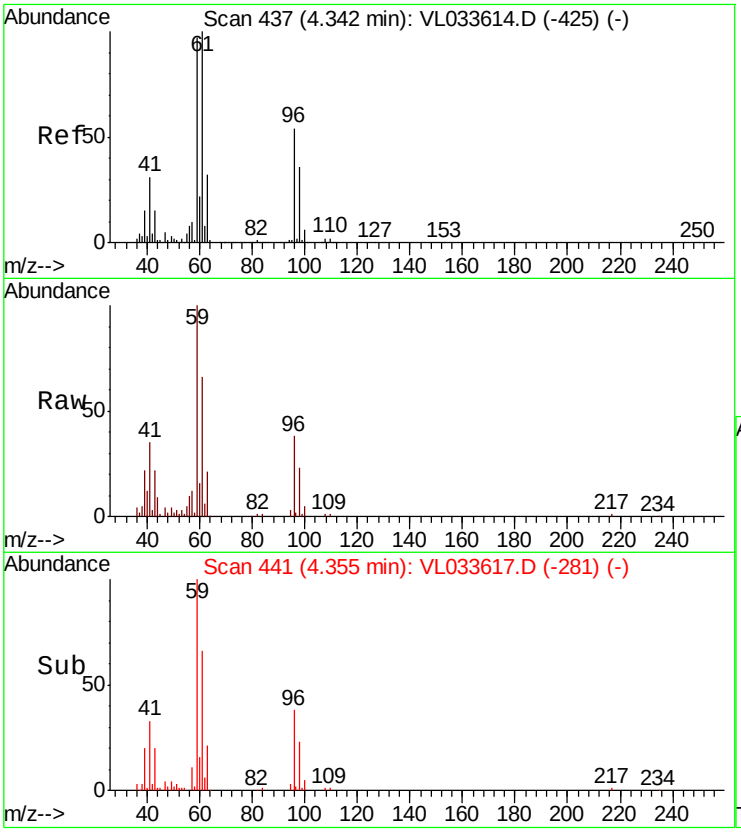


#16
1,3-Butadiene
Concen: 0.516 ppbv
RT: 3.35 min Scan# 130
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 39 Resp: 30919

Ion	Ratio	Lower	Upper
39	100		
54	82.9	68.4	102.6



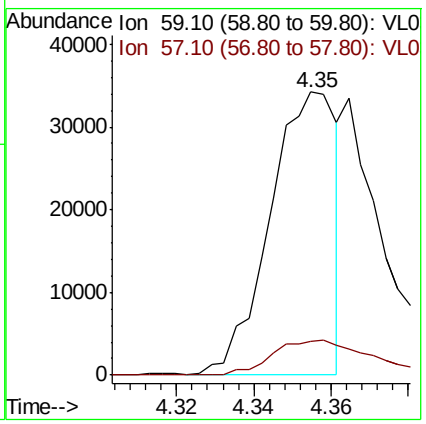


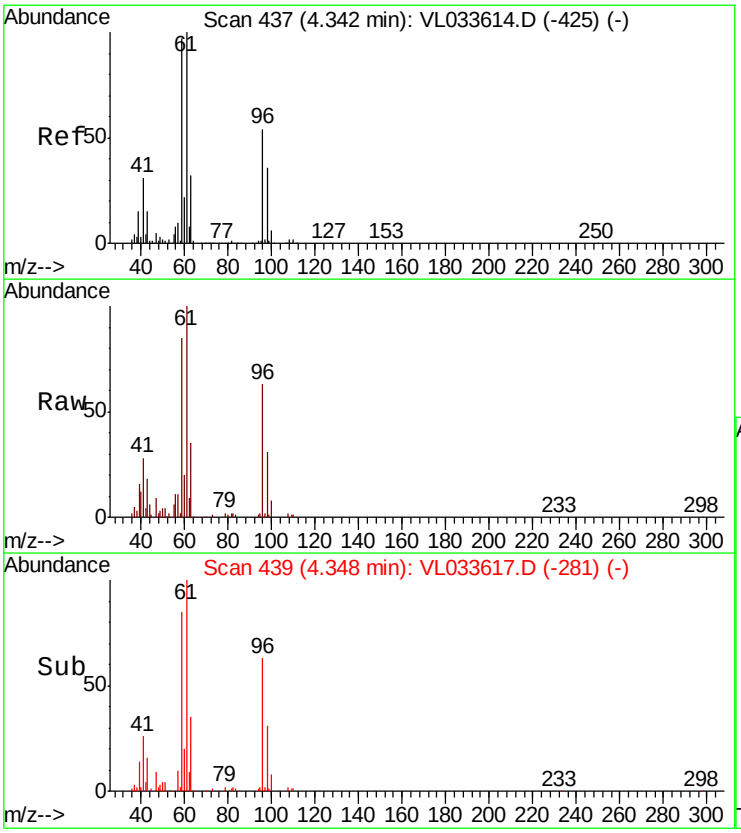
#17
tert-Butyl alcohol
Concen: 0.356 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 40843

Ion	Ratio	Lower	Upper
59	100		
57	18.7	8.4	12.6#

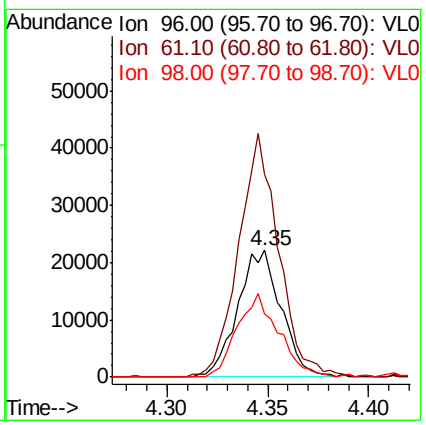


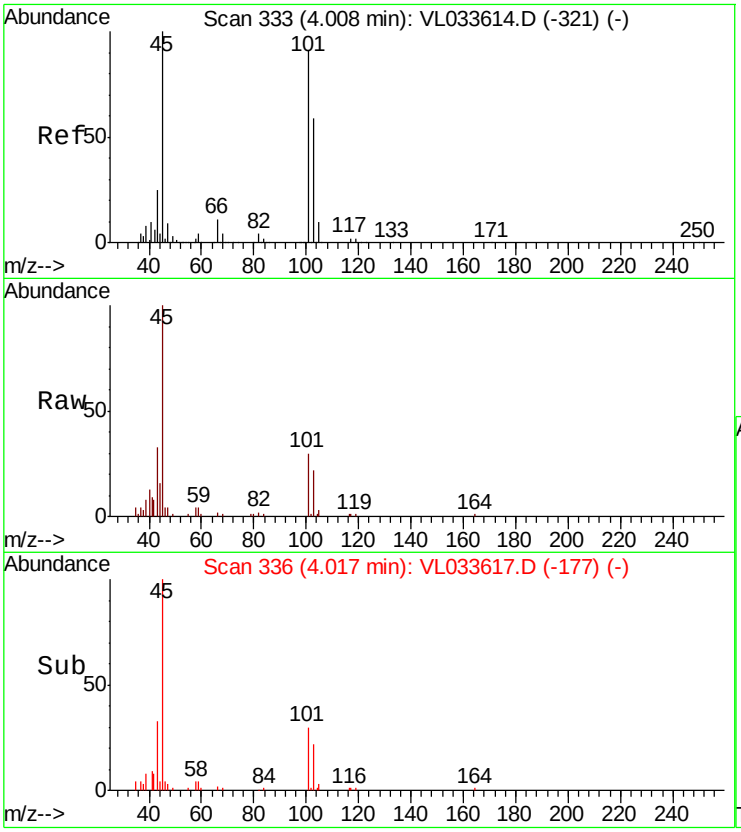


#18
1,1-Dichloroethene
Concen: 0.576 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 96 Resp: 33618

Ion	Ratio	Lower	Upper
96	100		
61	159.9	147.3	220.9
98	50.2	53.6	80.4#



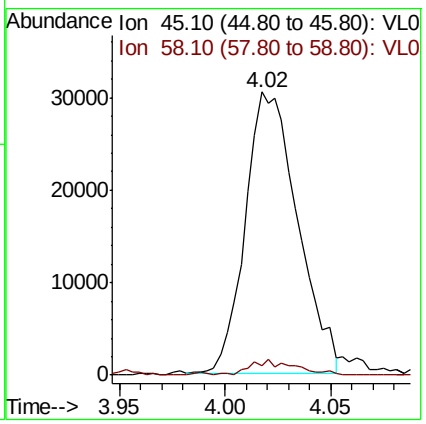


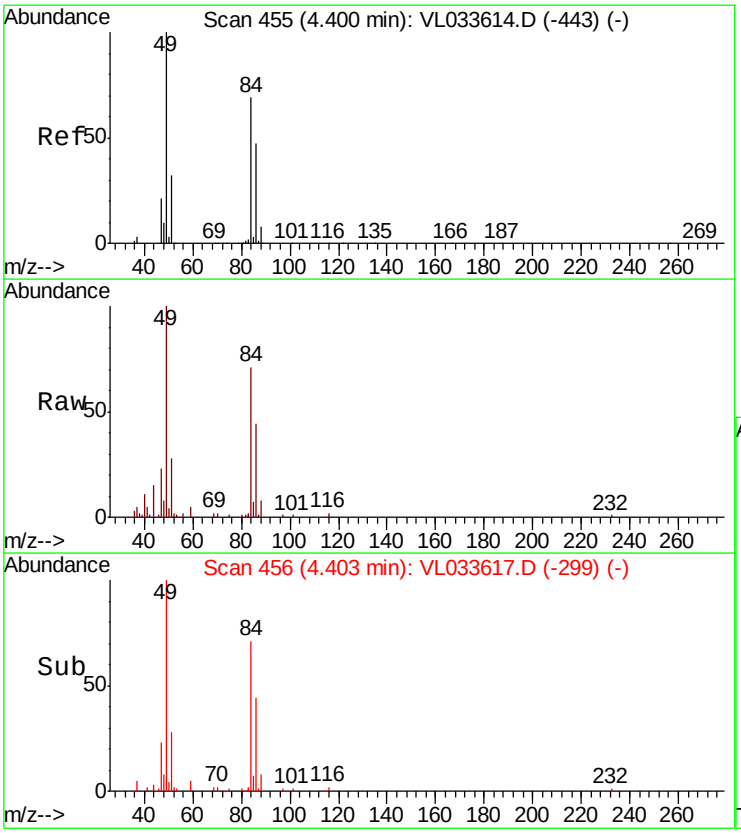
#19
Isopropyl Alcohol
Concen: 0.575 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 52529

Ion	Ratio	Lower	Upper
45	100		
58	5.1	1.8	2.6#

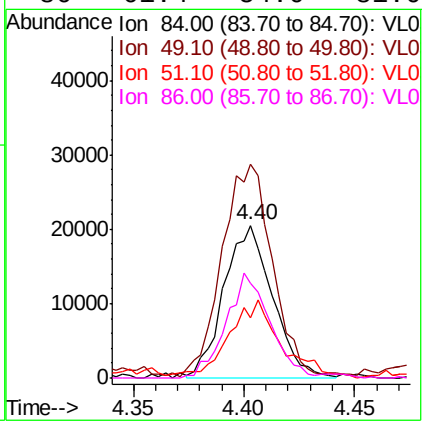


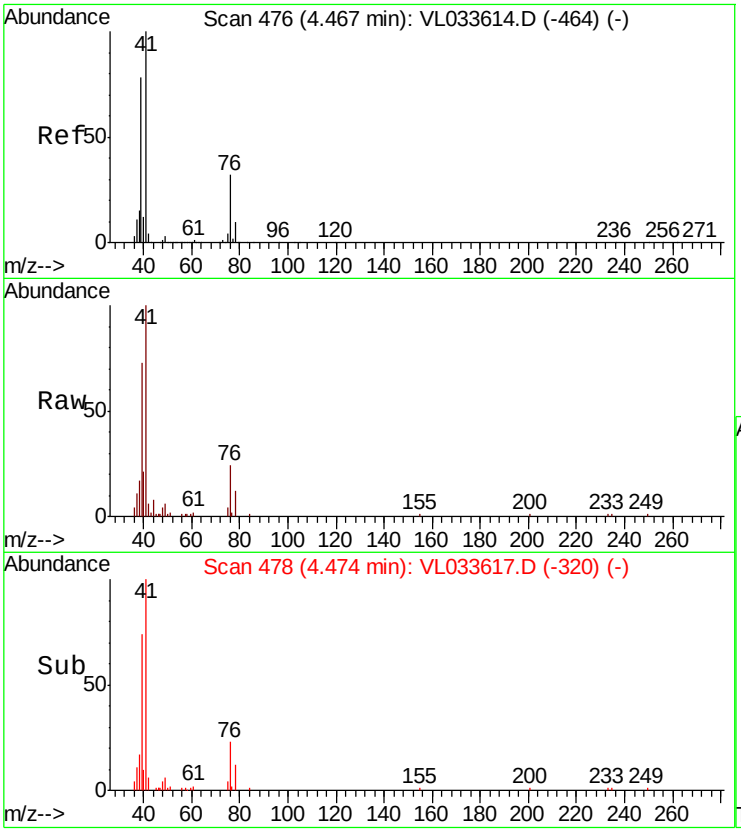


#20
Methylene Chloride
Concen: 0.604 ppbv
RT: 4.40 min Scan# 456
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 84 Resp: 31325

Ion	Ratio	Lower	Upper
84	100		
49	138.5	116.2	174.2
51	36.9	37.0	55.6#
86	61.4	54.0	81.0



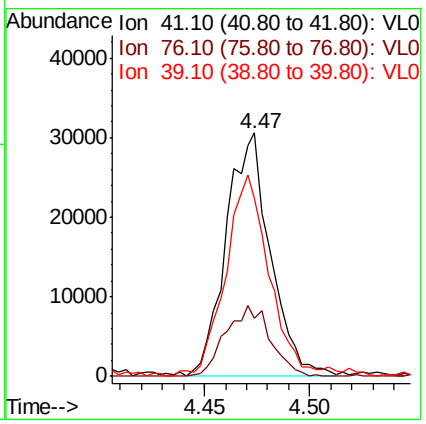


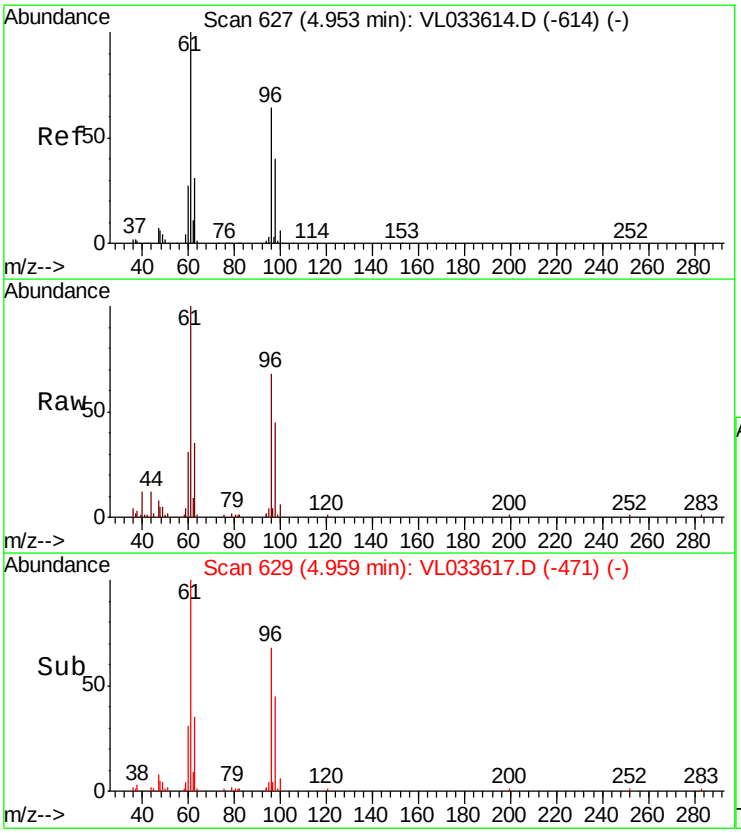
#21
Allyl Chloride
Concen: 0.533 ppbv
RT: 4.47 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 44593

Ion	Ratio	Lower	Upper
41	100		
76	29.3	25.0	37.6
39	84.1	64.6	96.8

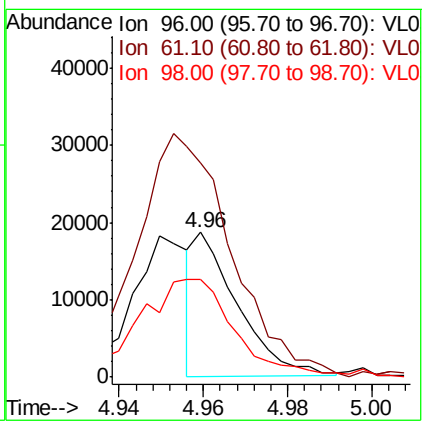


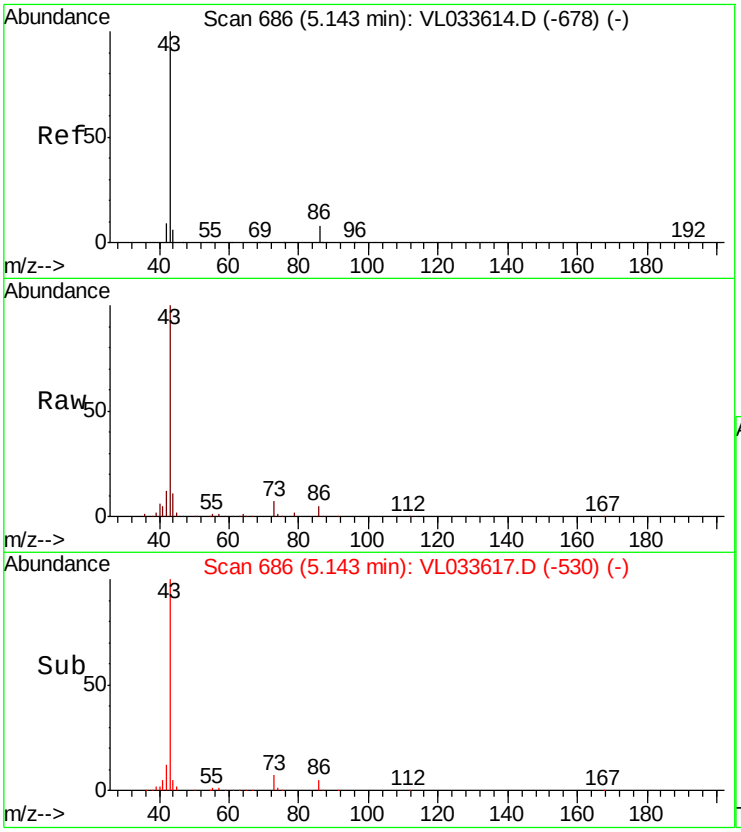


#22
trans-1,2-Dichloroethene
Concen: 0.232 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 96 Resp: 13239

Ion	Ratio	Lower	Upper
96	100		
61	149.7	124.9	187.3
98	66.0	50.5	75.7



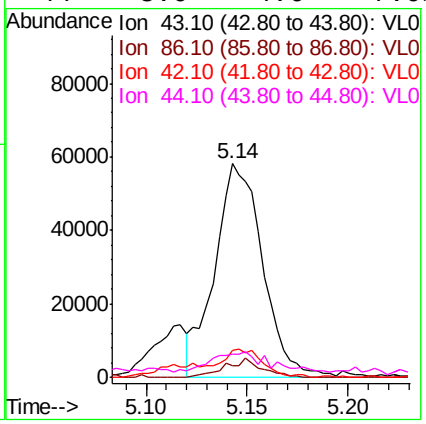


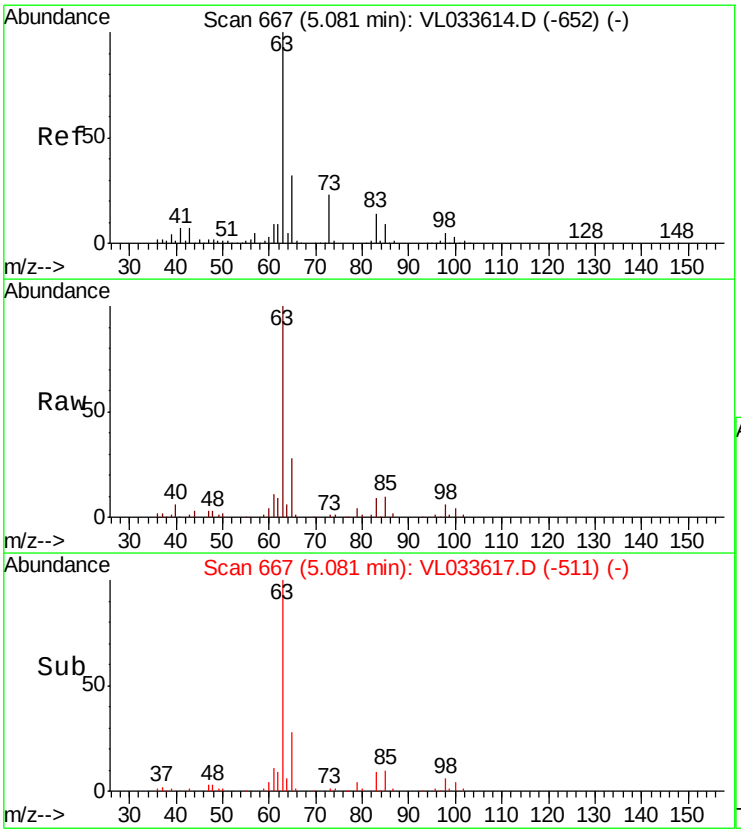
#23
Vinyl Acetate
Concen: 0.485 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 96000

Ion	Ratio	Lower	Upper
43	100		
86	5.3	5.8	8.8#
42	12.2	7.8	11.8#
44	8.0	4.6	7.0#

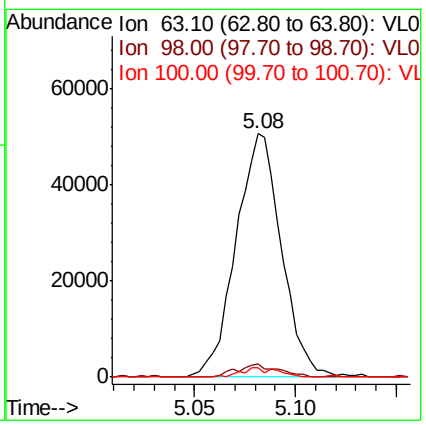


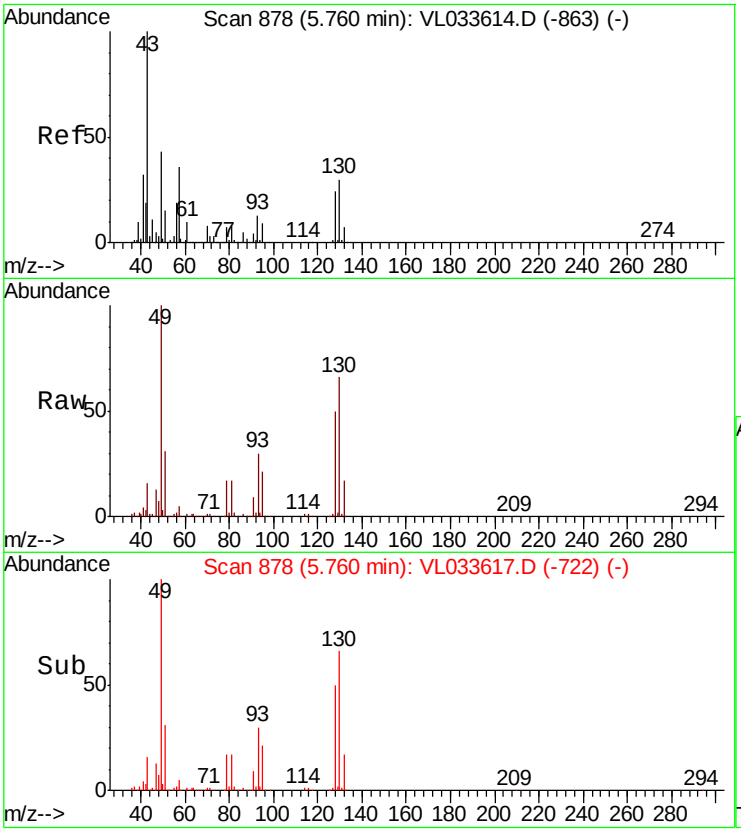


#24
1,1-Dichloroethane
Concen: 0.541 ppbv
RT: 5.08 min Scan# 667
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 63 Resp: 79726

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.4	7.2
100	3.9	1.4	4.0



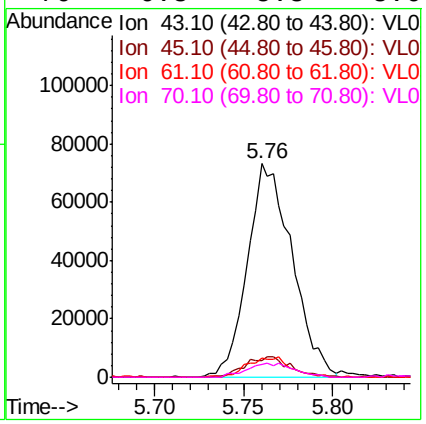


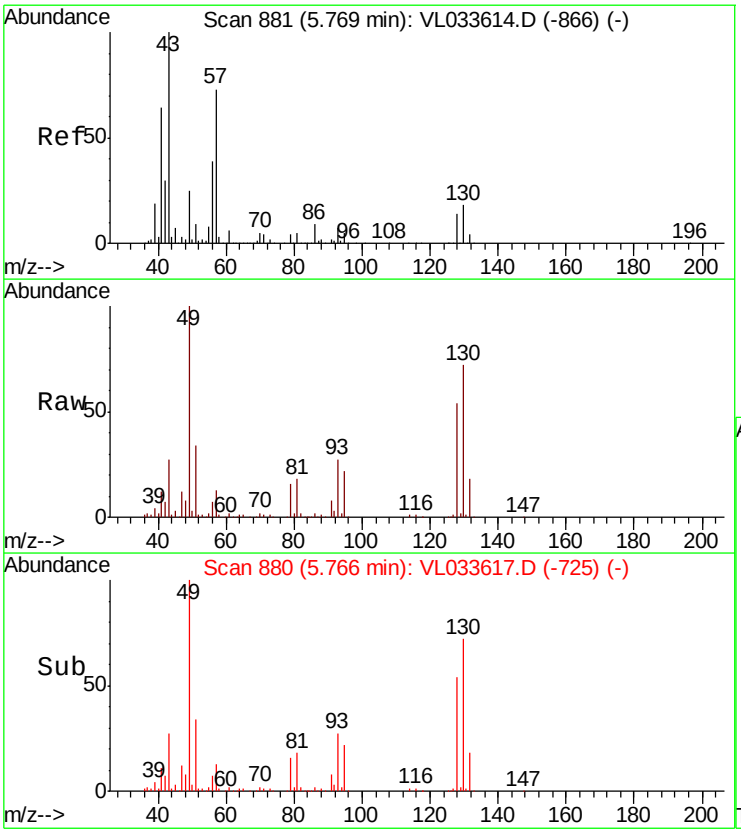
#25
Ethyl Acetate
Concen: 0.507 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 128127

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.3	7.5	11.3
70	6.8	5.8	8.6

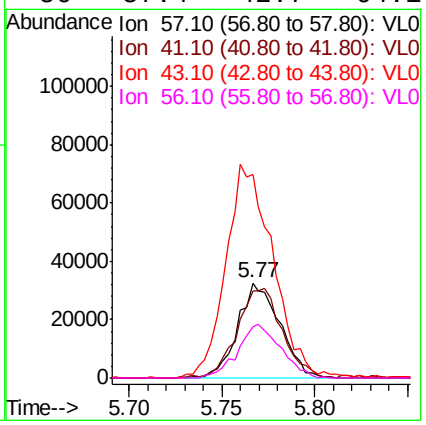


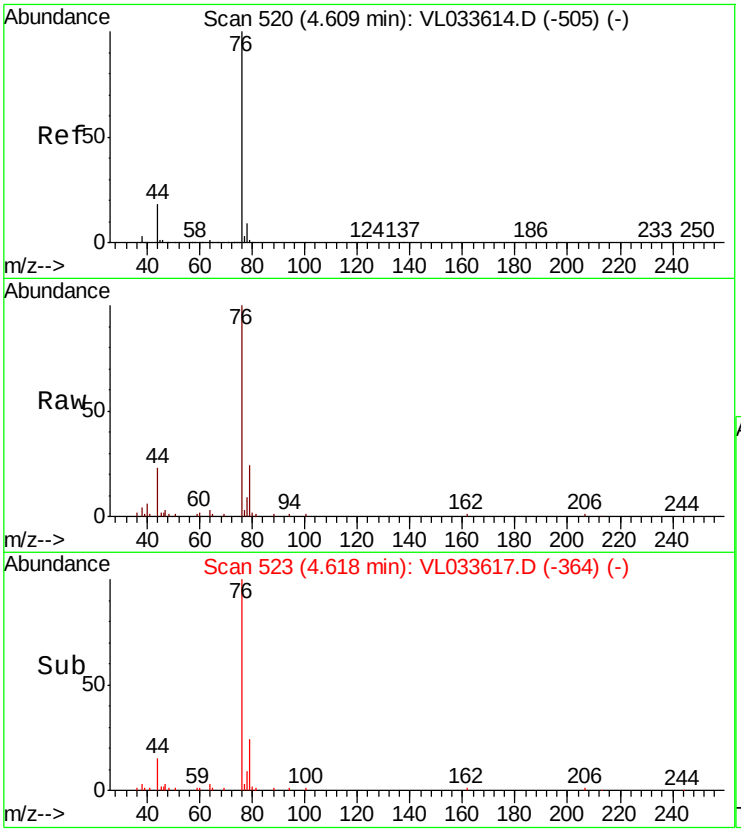


#26
Hexane
Concen: 0.486 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 57 Resp: 51721

Ion	Ratio	Lower	Upper
57	100		
41	101.4	70.6	106.0
43	251.5	186.0	279.0
56	57.4	42.7	64.1



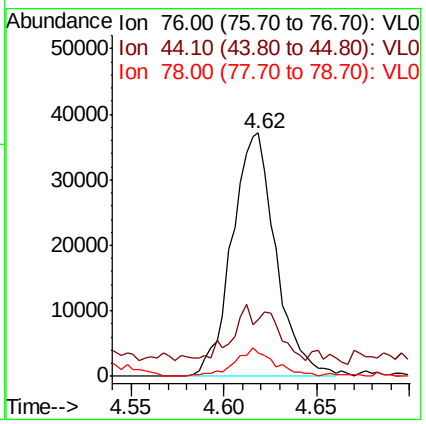


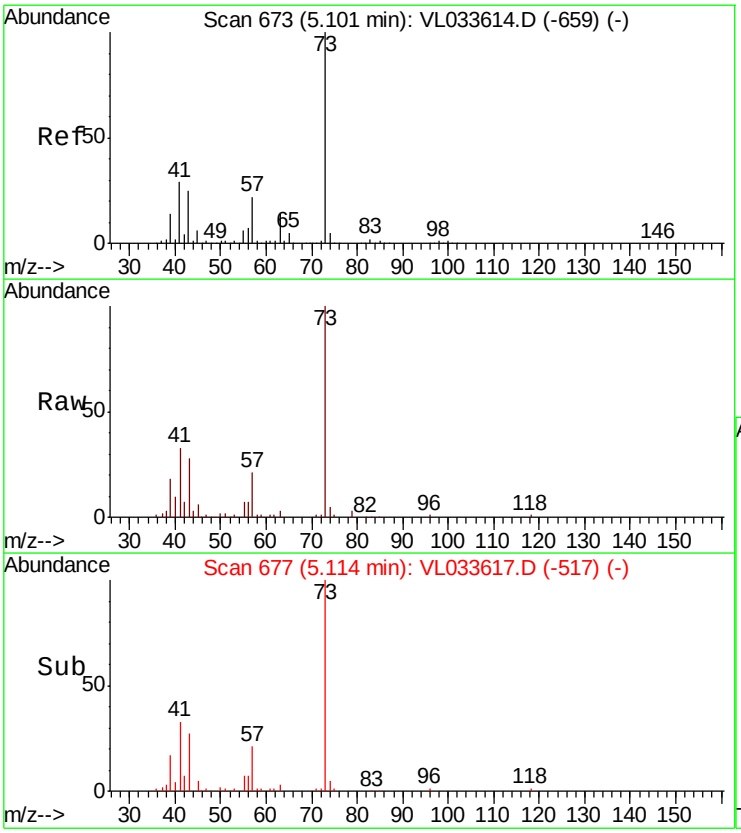
#27
Carbon Disulfide
Concen: 0.473 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 60881

Ion	Ratio	Lower	Upper
76	100		
44	27.4	14.3	21.5#
78	11.2	7.5	11.3

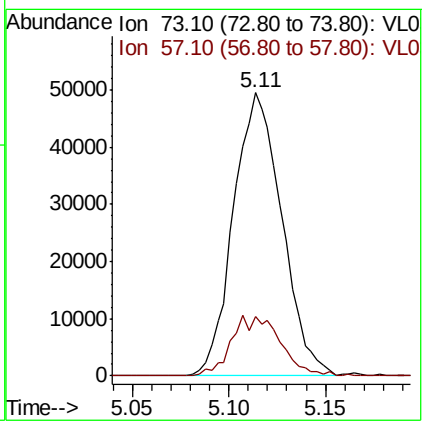


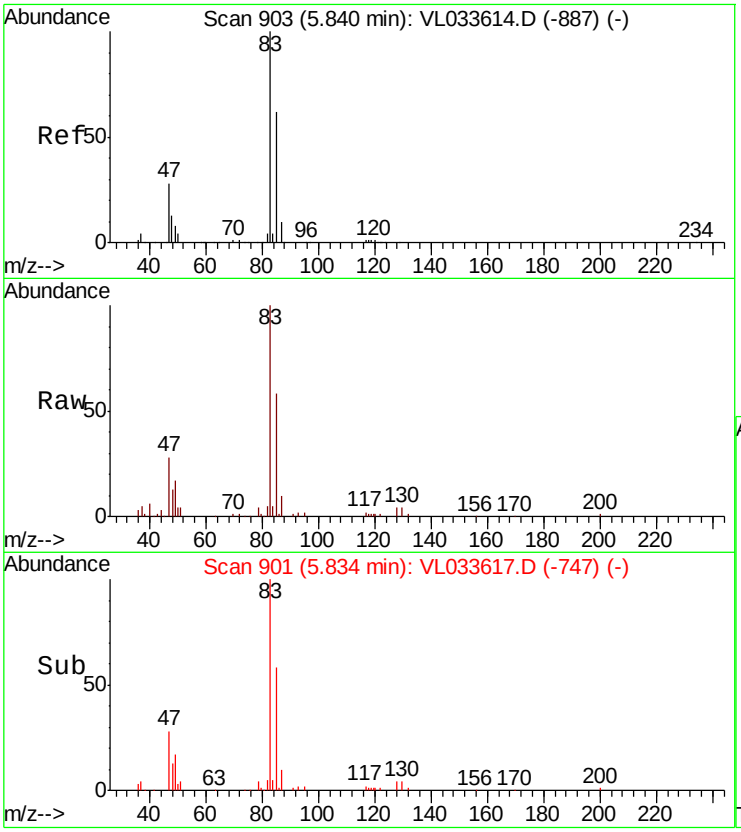


#28
Methyl tert-Butyl Ether
Concen: 0.479 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 73 Resp: 85908

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.8	26.8



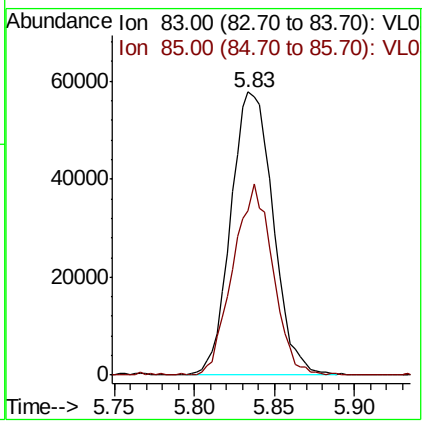


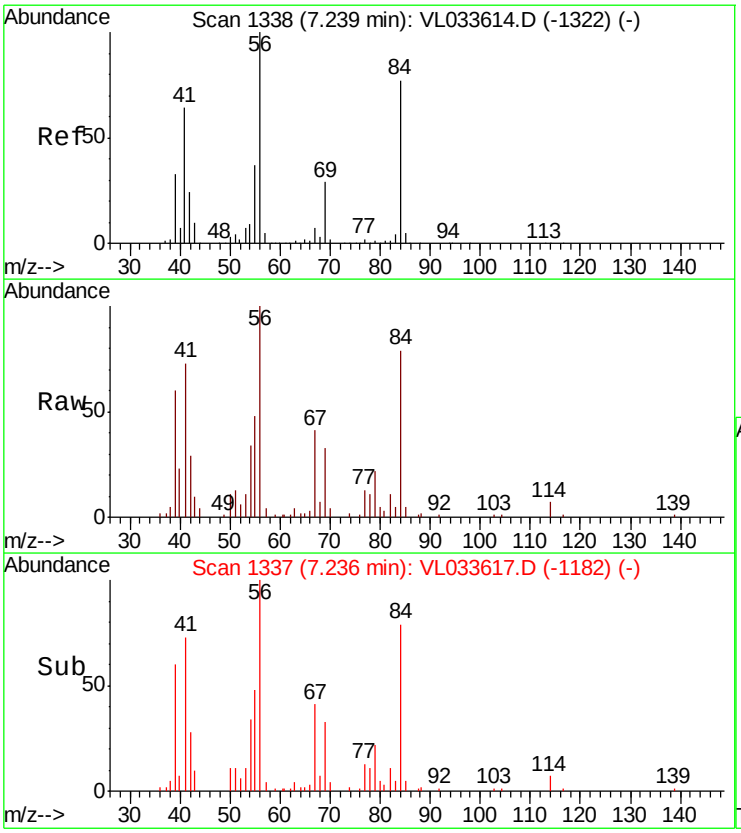
#29
Chloroform
Concen: 0.533 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 103890

Ion	Ratio	Lower	Upper
83	100		
85	57.9	49.9	74.9

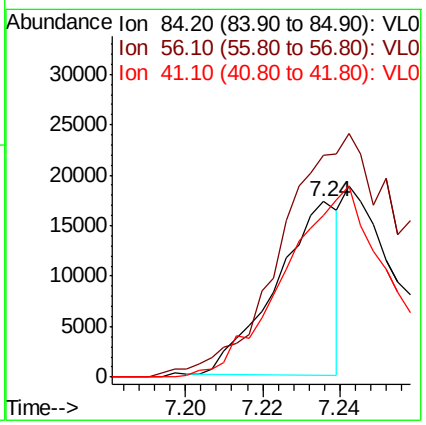


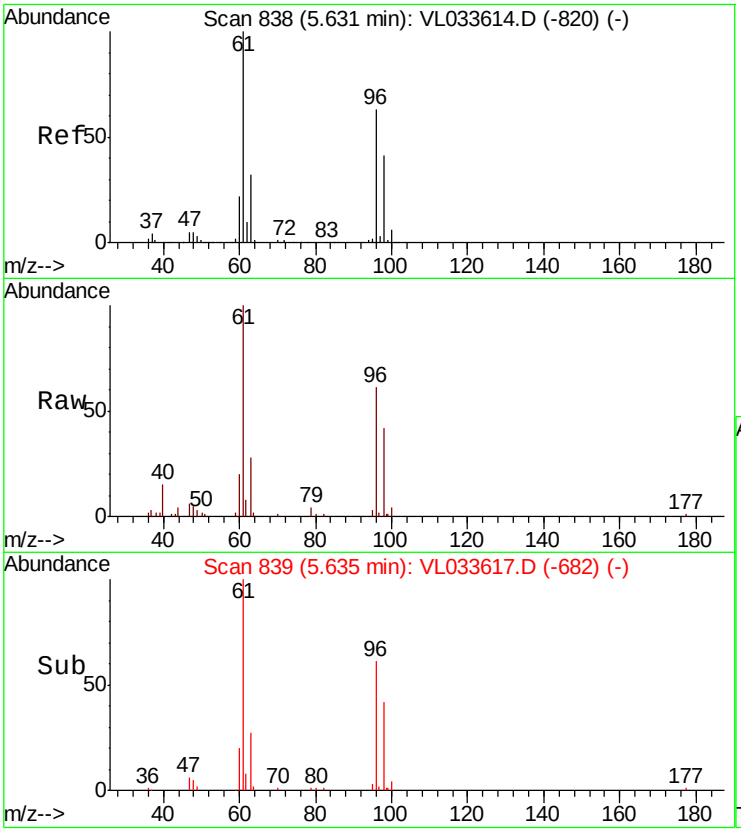


#30
Cyclohexane
Concen: 0.209 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 84 Resp: 19242

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.4	162.6#
41	0.0	67.0	100.4#



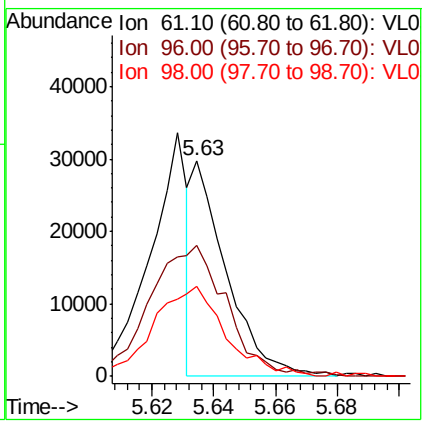


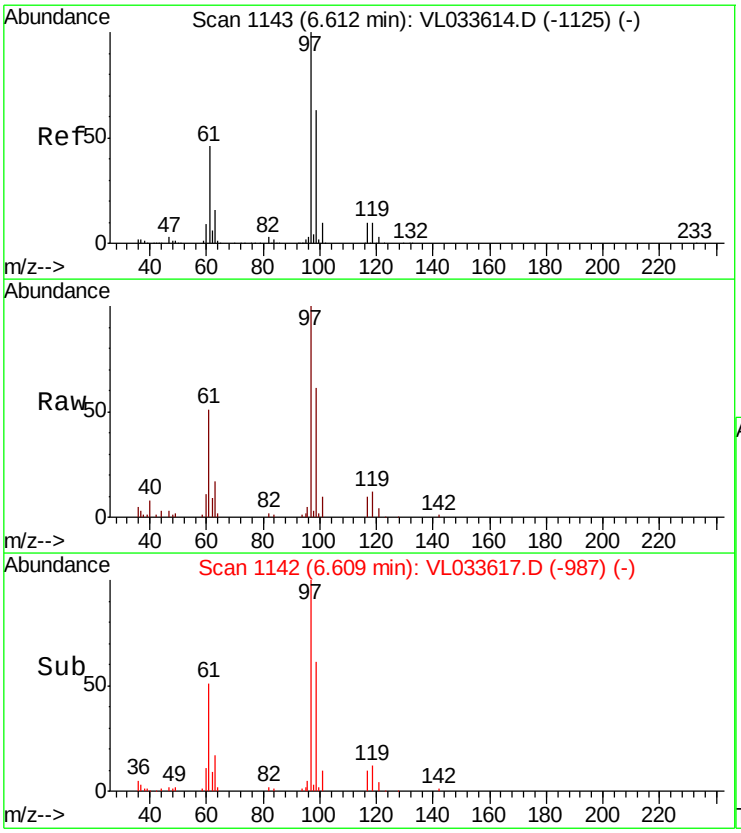
#31
cis-1,2-Dichloroethene
Concen: 0.212 ppbv
RT: 5.63 min Scan# 839
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 22742

Ion	Ratio	Lower	Upper
61	100		
96	57.5	50.6	76.0
98	37.4	32.8	49.2

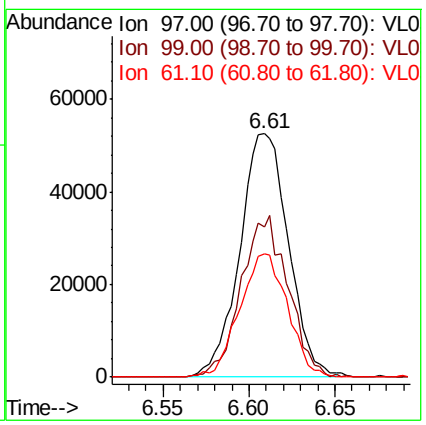


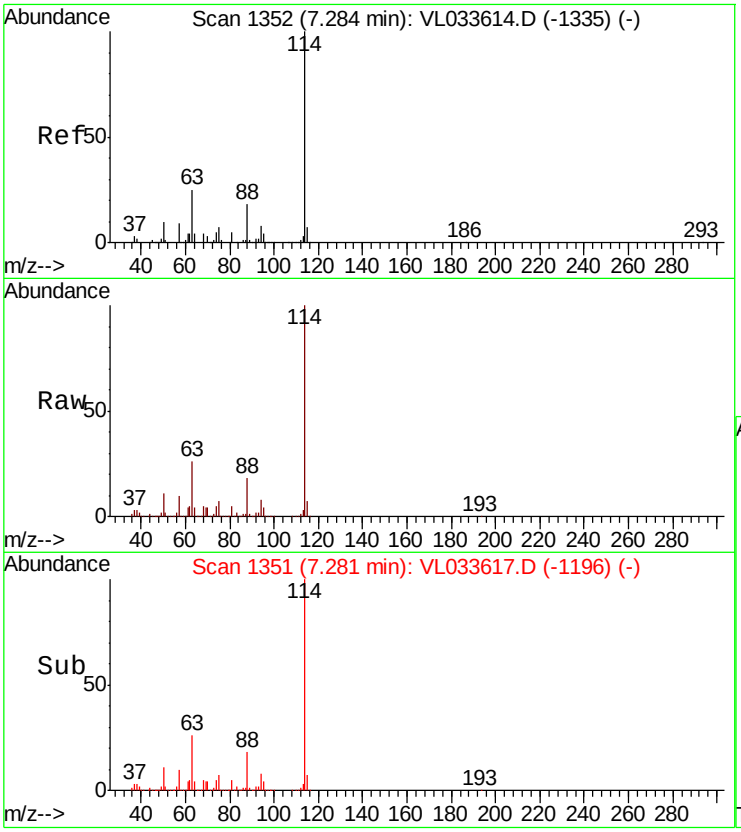


#32
1,1,1-Trichloroethane
Concen: 0.505 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 97 Resp: 103166

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	49.9	38.2	57.2



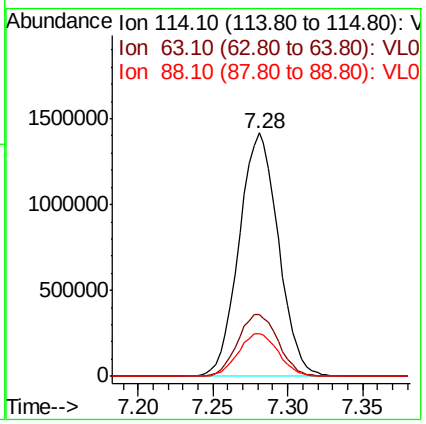


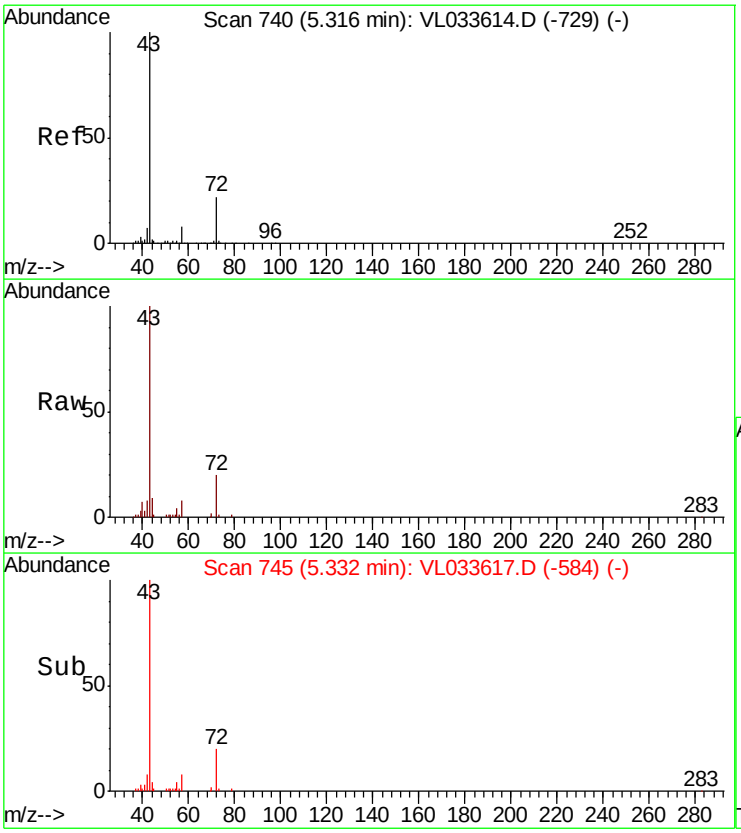
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2594003

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.1	31.7
88	18.0	14.2	21.4

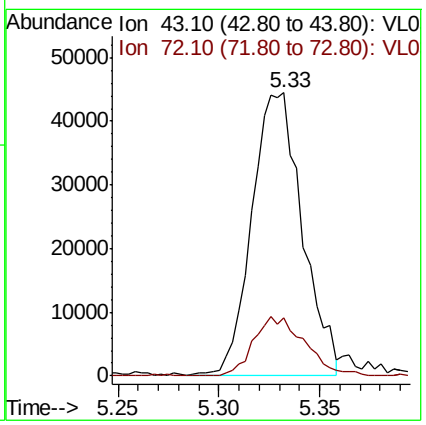


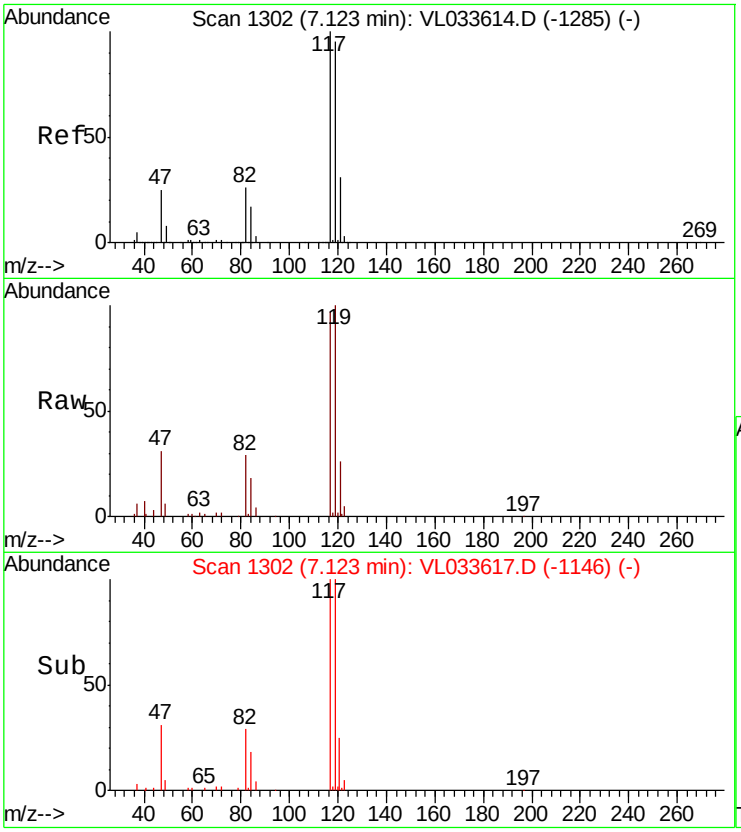


#34
2-Butanone
Concen: 0.488 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.02 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 43 Resp: 77727

Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.8	26.8



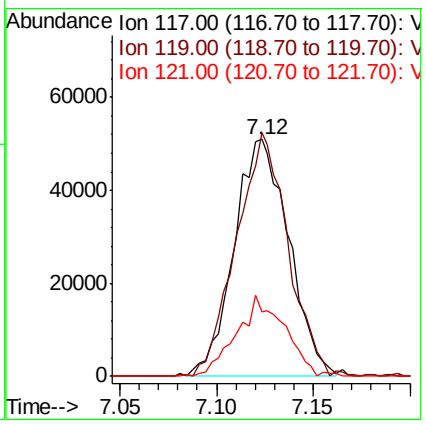


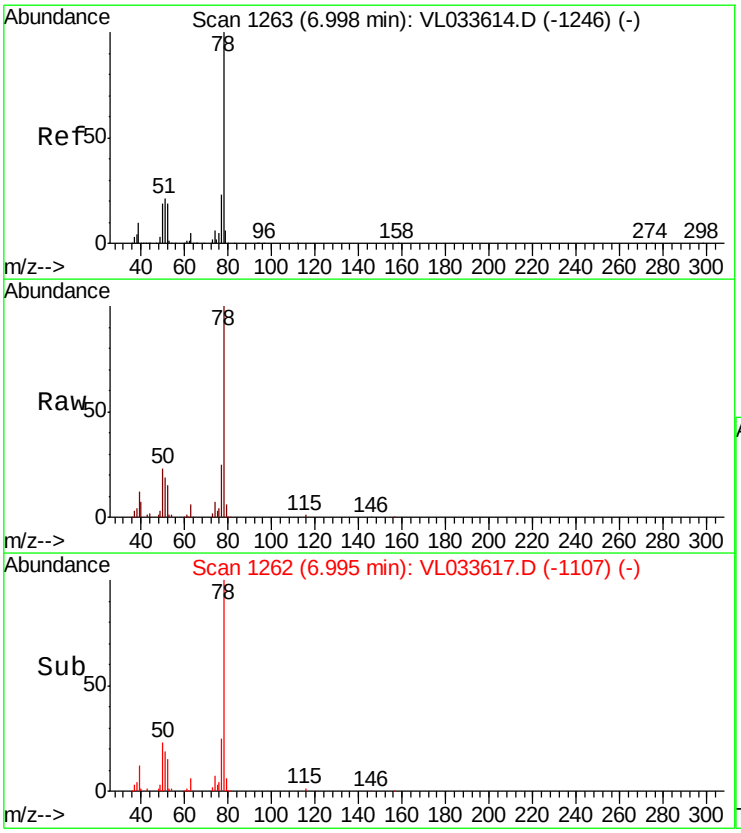
#35
Carbon Tetrachloride
Concen: 0.486 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 99911

Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.4
121	27.2	24.9	37.3

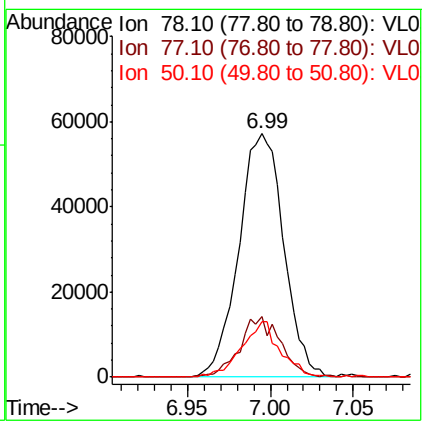


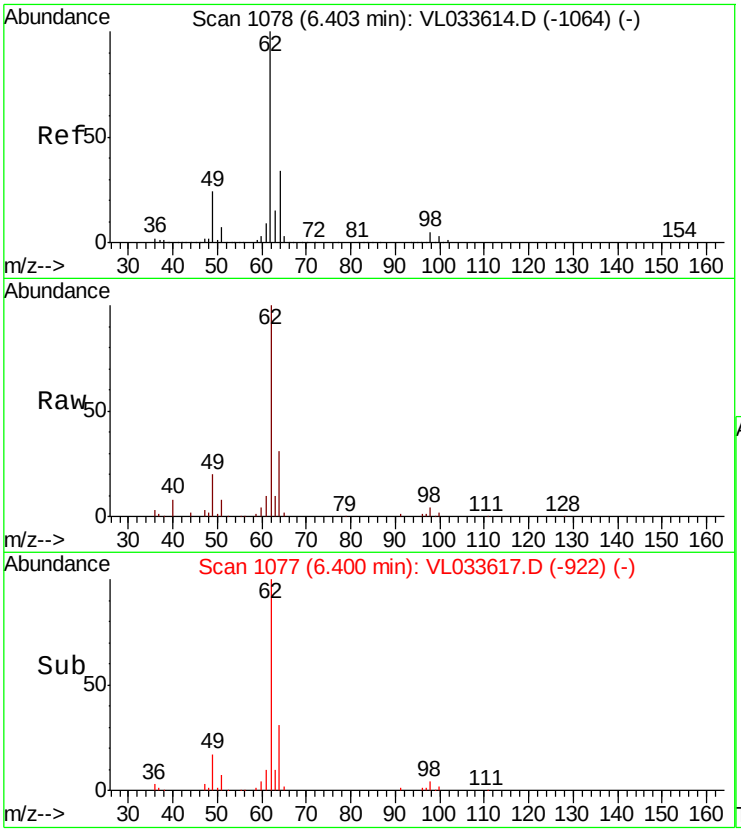


#36
Benzene
Concen: 0.486 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 78 Resp: 107491

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.1	27.1
50	22.9	15.1	22.7#



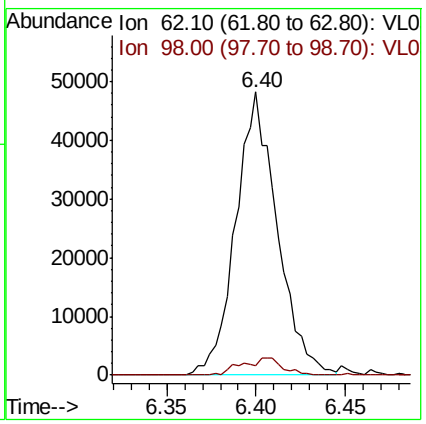


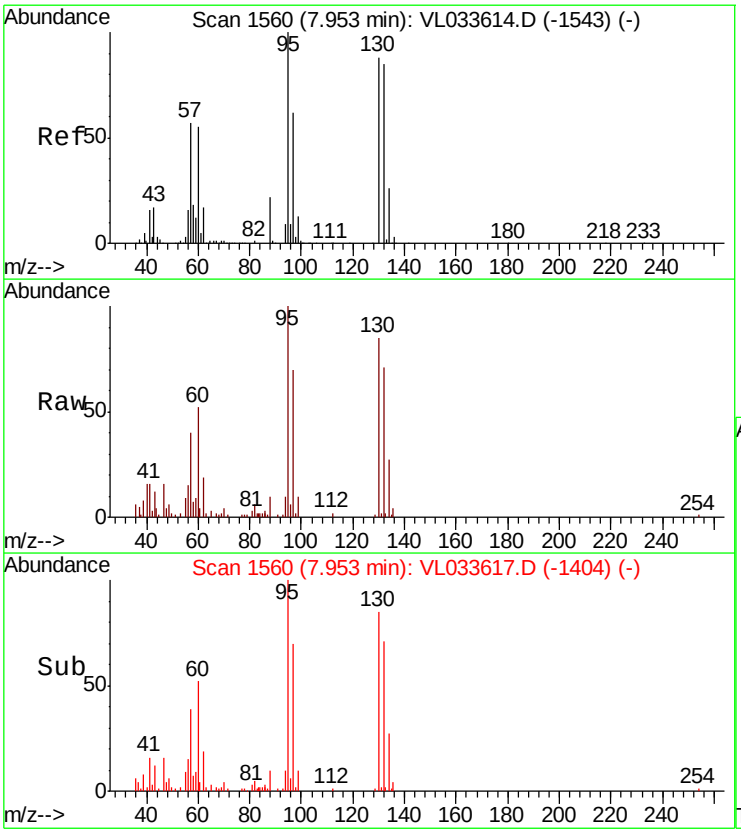
#37
1,2-Dichloroethane
Concen: 0.533 ppbv
RT: 6.40 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 78278

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.4	6.6

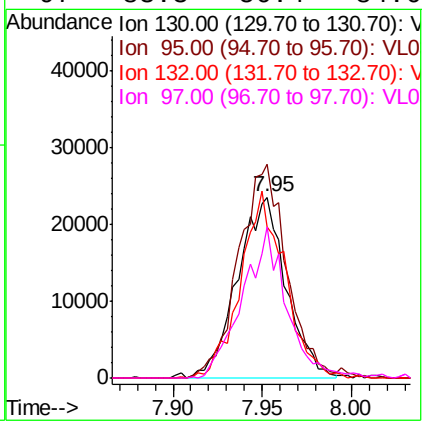


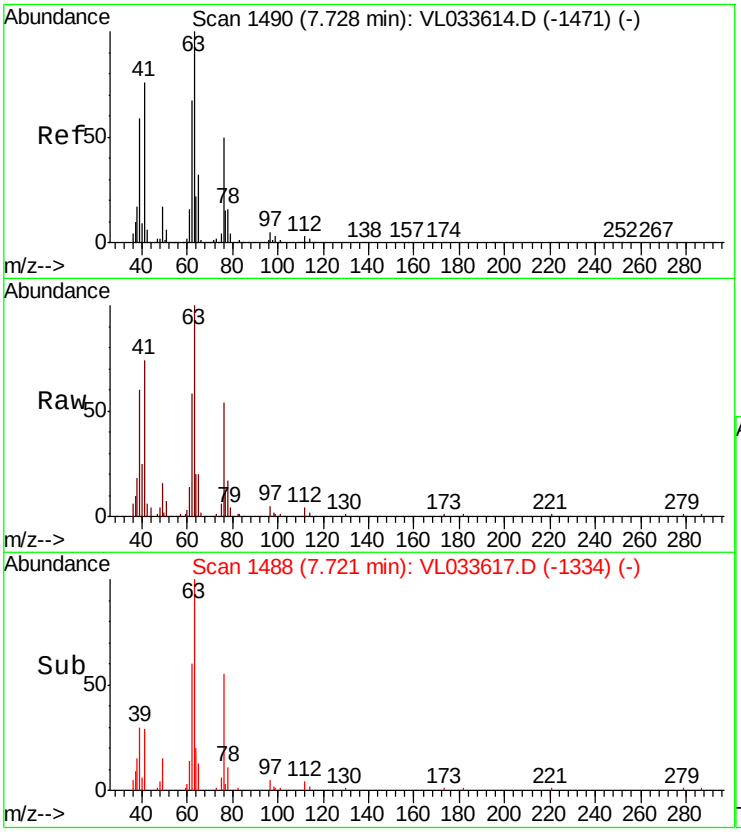


#38
Trichloroethene
Concen: 0.504 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:130 Resp: 44596

Ion	Ratio	Lower	Upper
130	100		
95	125.2	91.2	136.8
132	85.6	77.8	116.8
97	83.3	56.4	84.6



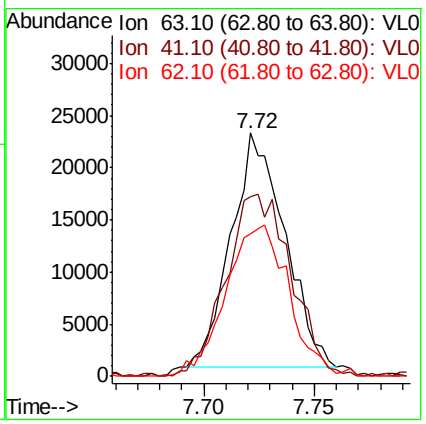


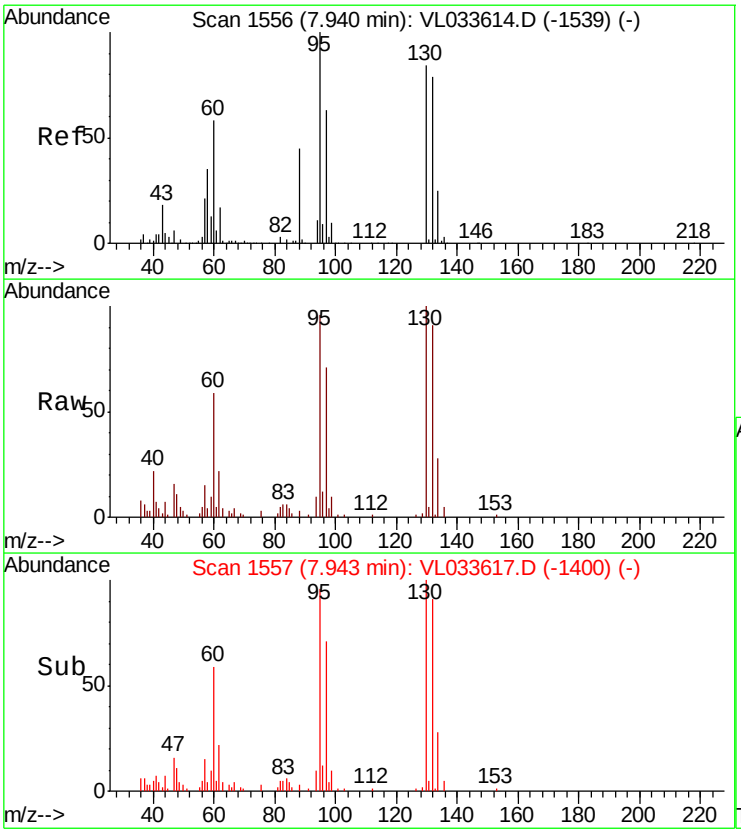
#39
1,2-Dichloropropane
Concen: 0.456 ppbv
RT: 7.72 min Scan# 1488
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 38038

Ion	Ratio	Lower	Upper
63	100		
41	74.5	60.9	91.3
62	59.2	53.3	79.9

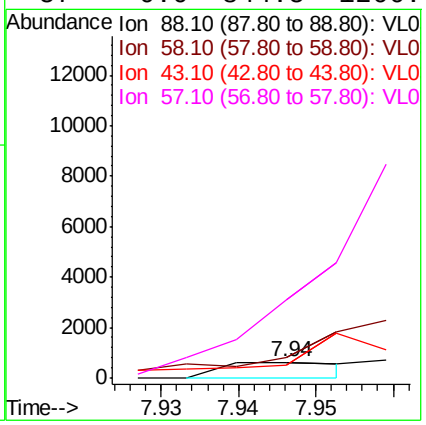


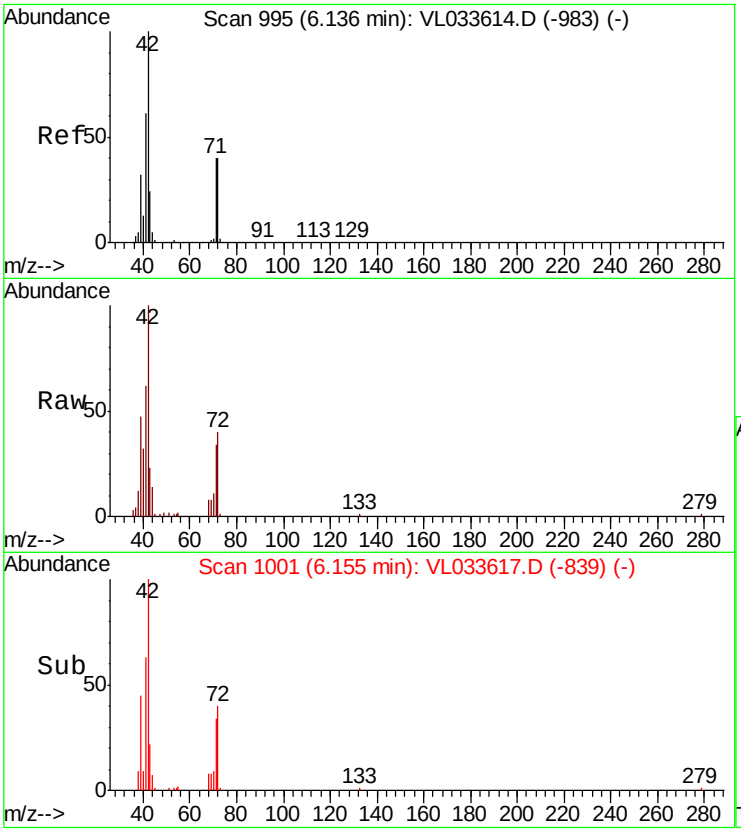


#40
1,4-Dioxane
Concen: 0.010 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 88 Resp: 346

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



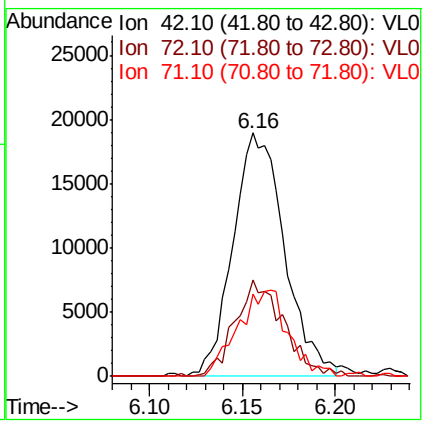


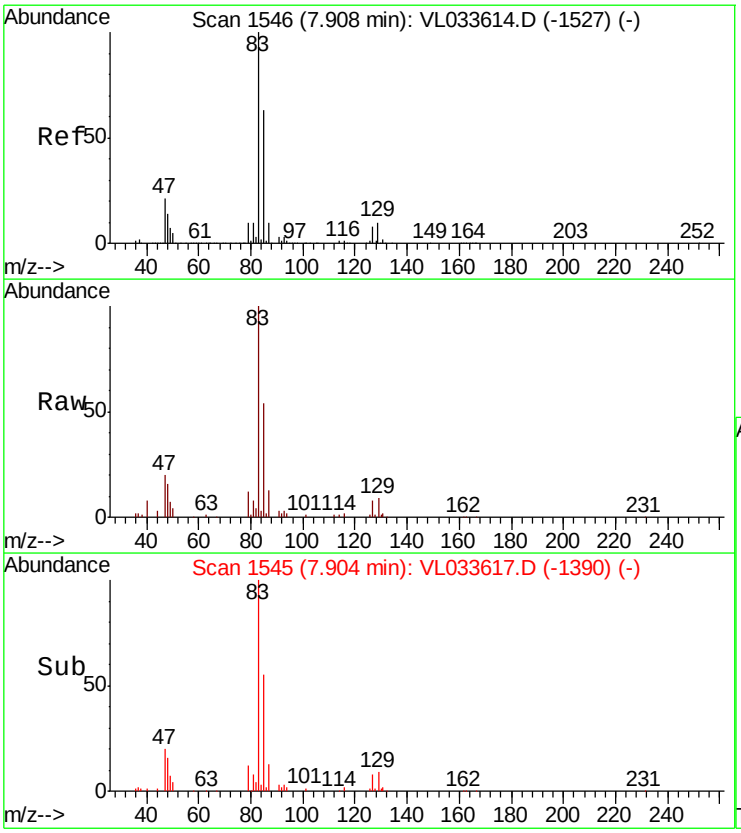
#41
Tetrahydrofuran
Concen: 0.431 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 42 Resp: 36688

Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.8	47.6
71	35.3	31.0	46.4

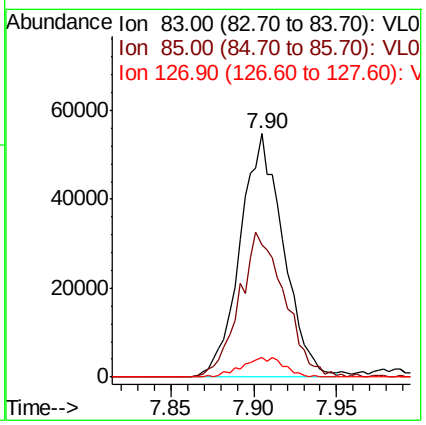


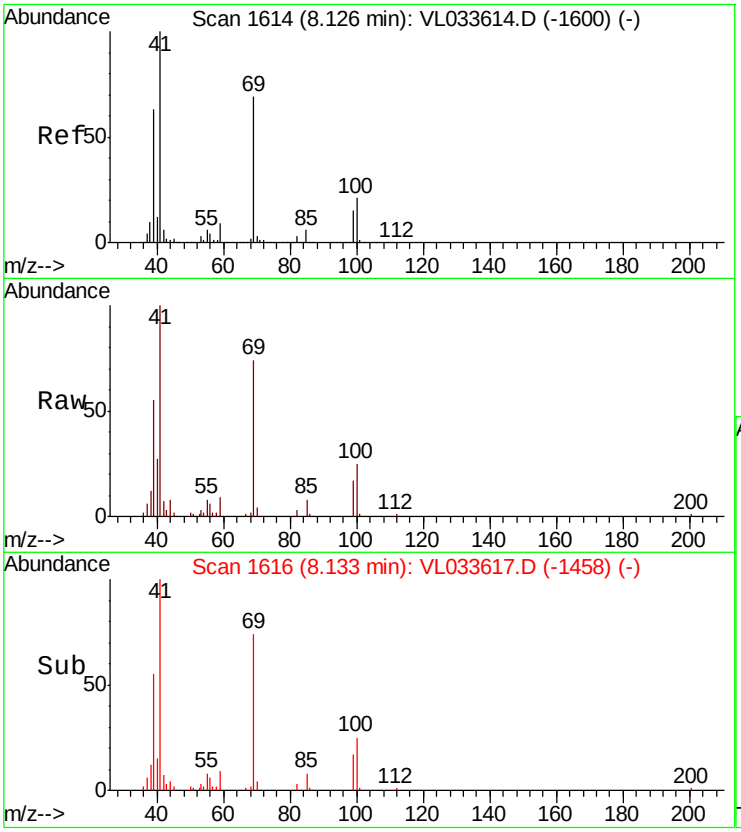


#42
Bromodichloromethane
Concen: 0.499 ppbv
RT: 7.90 min Scan# 1545
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 83 Resp: 99104

Ion	Ratio	Lower	Upper
83	100		
85	54.3	50.2	75.4
127	8.3	6.5	9.7



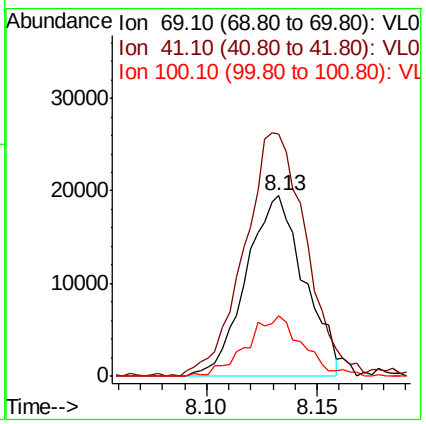


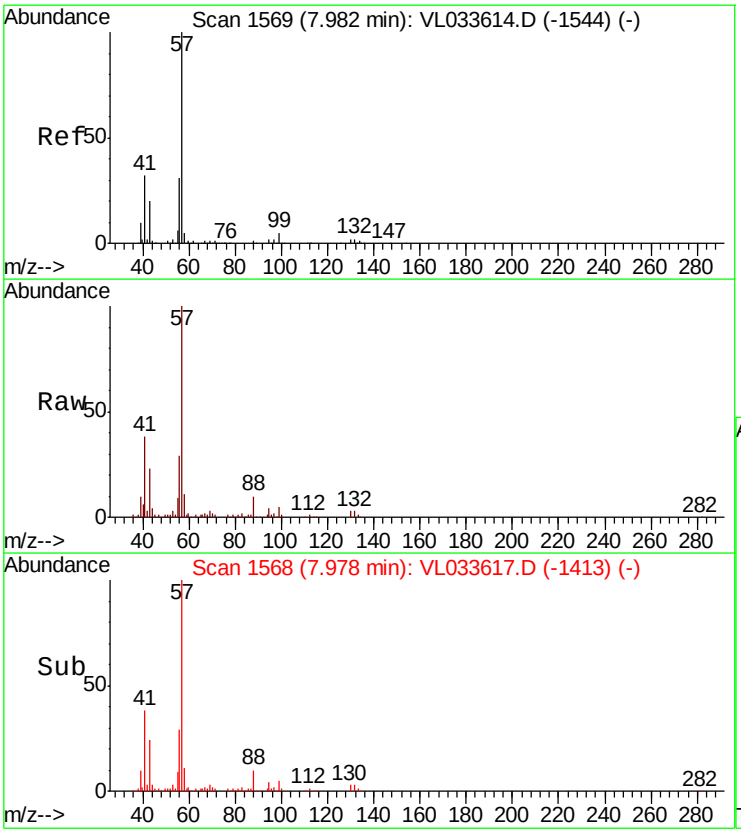
#43
Methyl Methacrylate
Concen: 0.428 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 35848

Ion	Ratio	Lower	Upper
69	100		
41	144.7	115.0	172.4
100	32.4	24.7	37.1

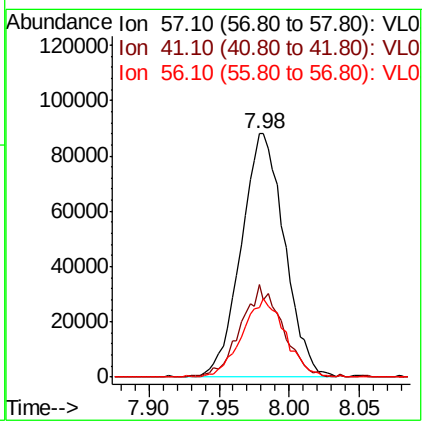


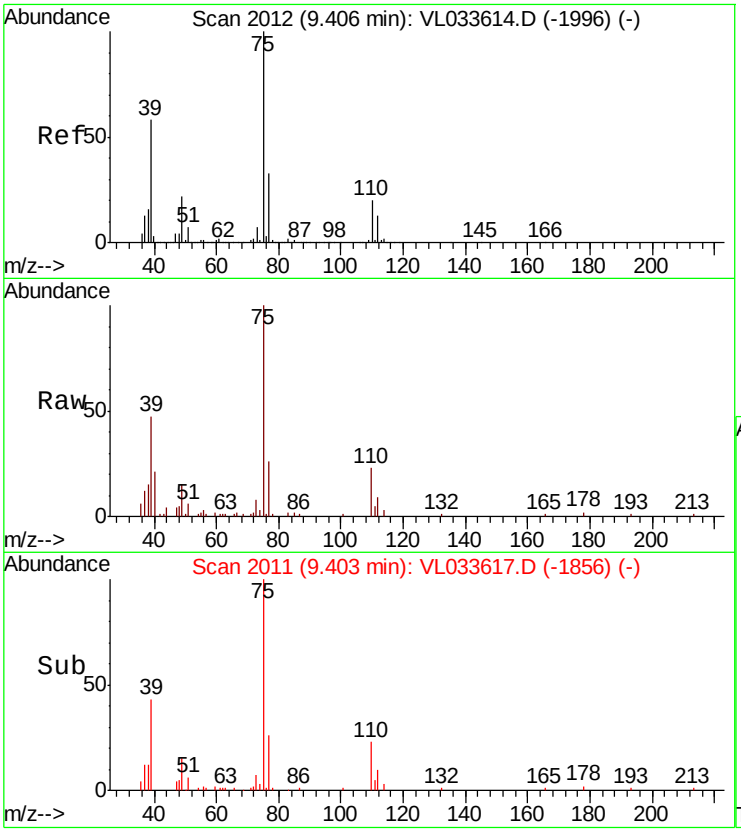


#44
2,2,4-Trimethylpentane
Concen: 0.492 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 57 Resp: 189633

Ion	Ratio	Lower	Upper
57	100		
41	36.7	25.4	38.2
56	32.0	24.6	37.0



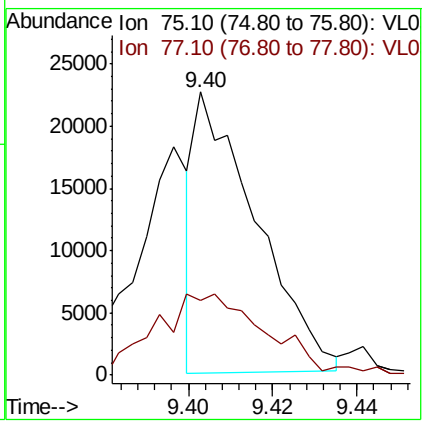


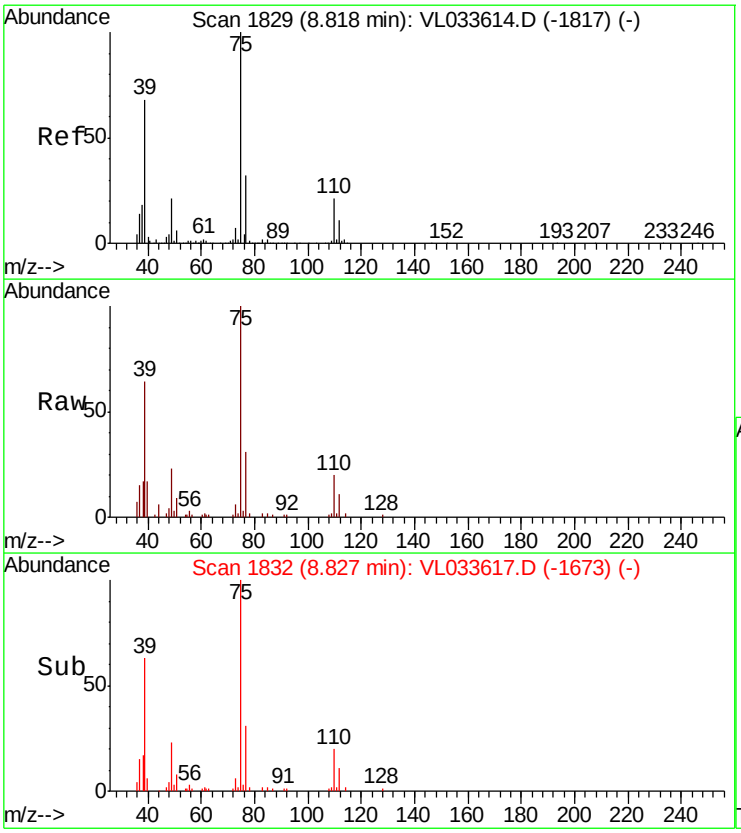
#45
t-1,3-Dichloropropene
Concen: 0.204 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 22636

Ion	Ratio	Lower	Upper
75	100		
77	26.5	26.0	39.0

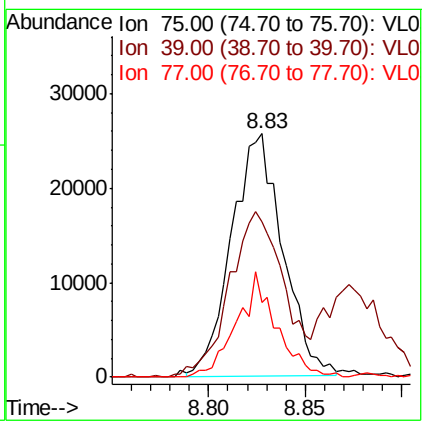


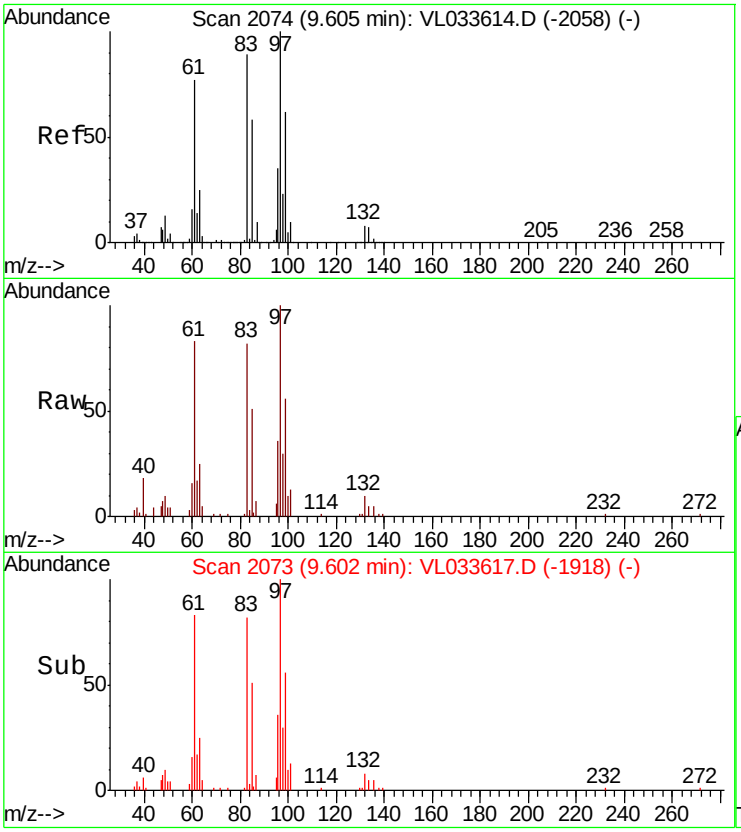


#46
cis-1,3-Dichloropropene
Concen: 0.377 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 75 Resp: 47224

Ion	Ratio	Lower	Upper
75	100		
39	60.7	54.6	82.0
77	31.3	25.7	38.5



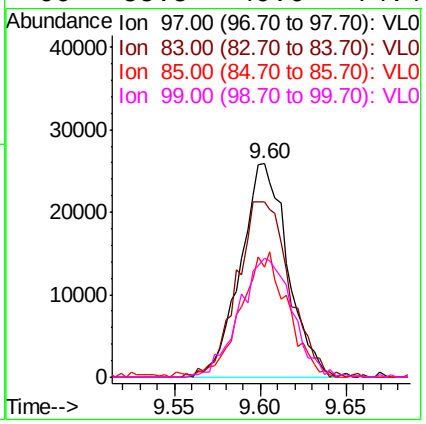


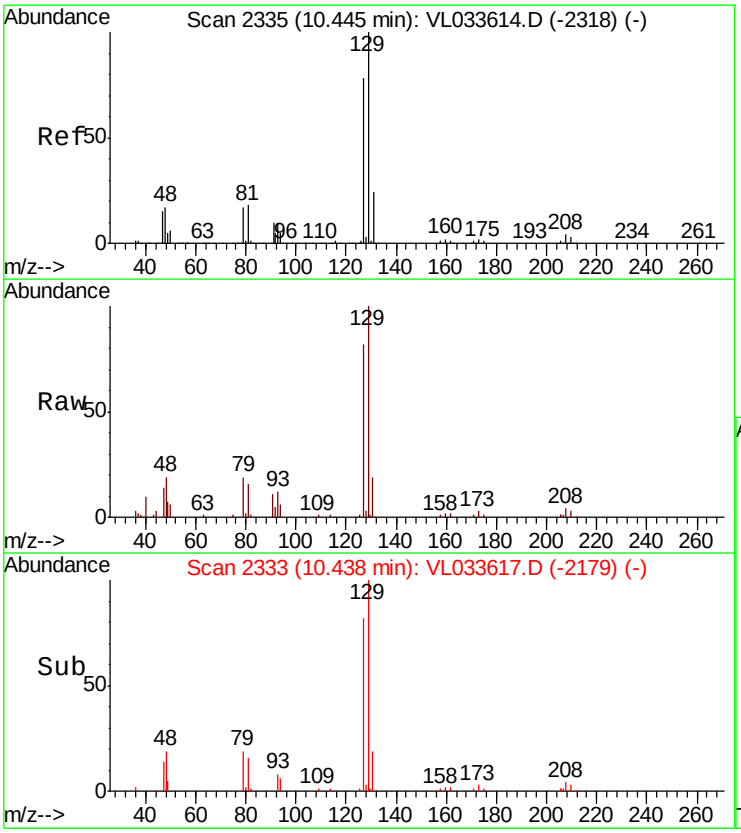
#47
1,1,2-Trichloroethane
Concen: 0.454 ppbv
RT: 9.60 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 49328

Ion	Ratio	Lower	Upper
97	100		
83	80.0	71.4	107.0
85	51.4	46.0	69.0
99	55.5	49.6	74.4

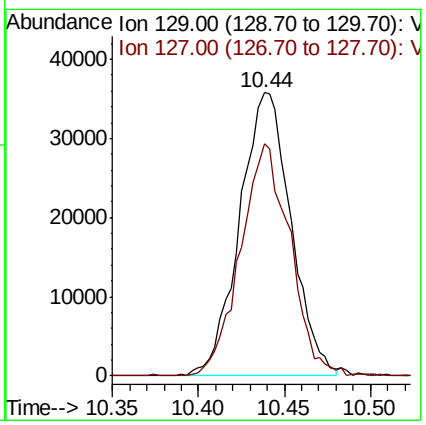


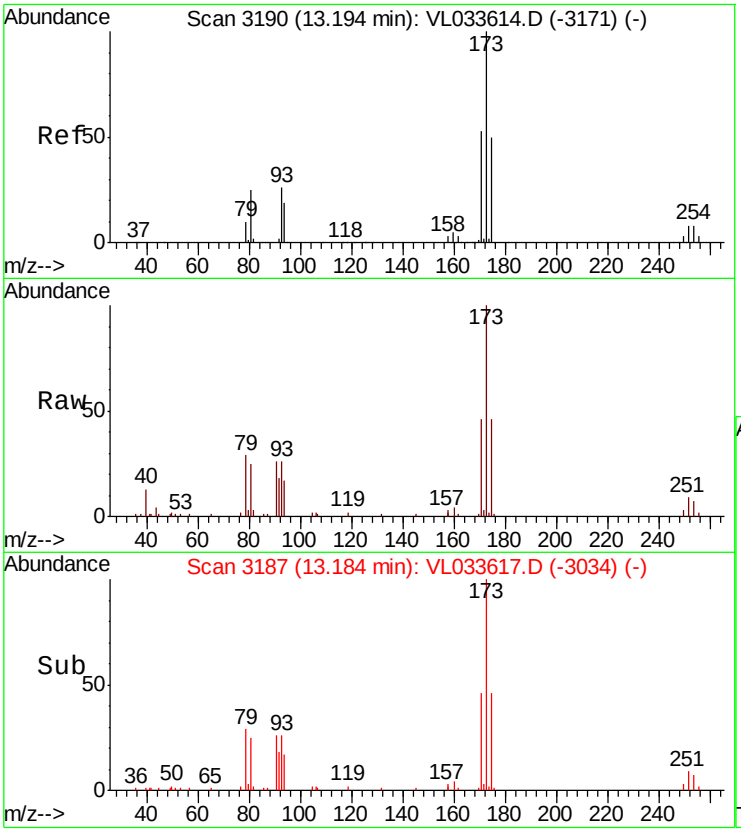


#48
Dibromochloromethane
Concen: 0.403 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:129 Resp: 74203

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.2	117.6



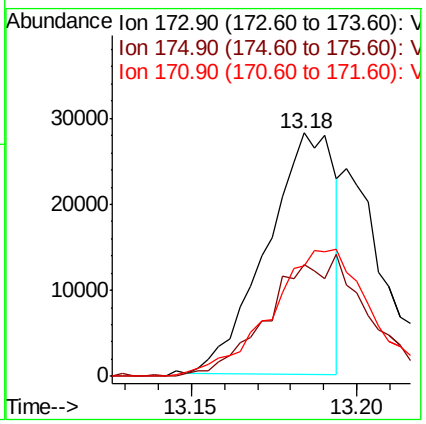


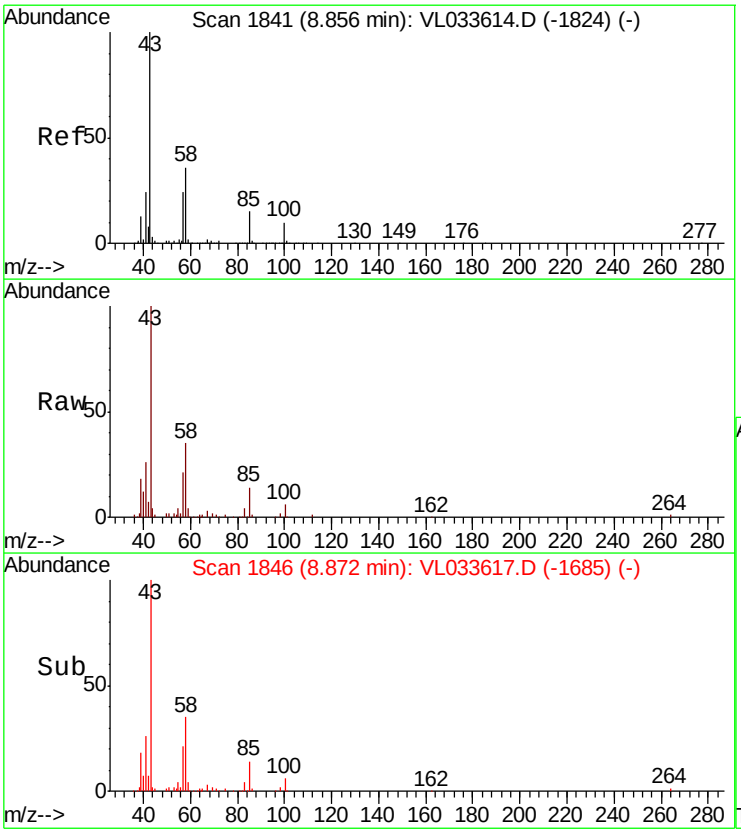
#49
Bromoform
Concen: 0.284 ppbv
RT: 13.18 min Scan# 3187
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:173 Resp: 40031

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.6#
171	0.0	41.6	62.4#

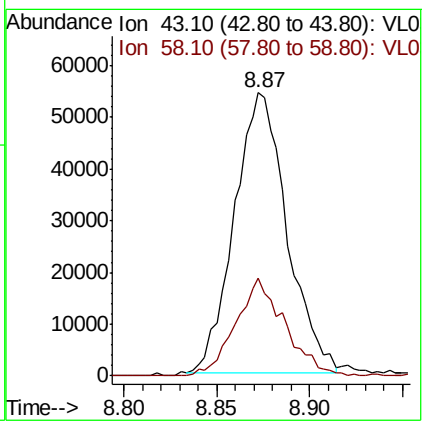


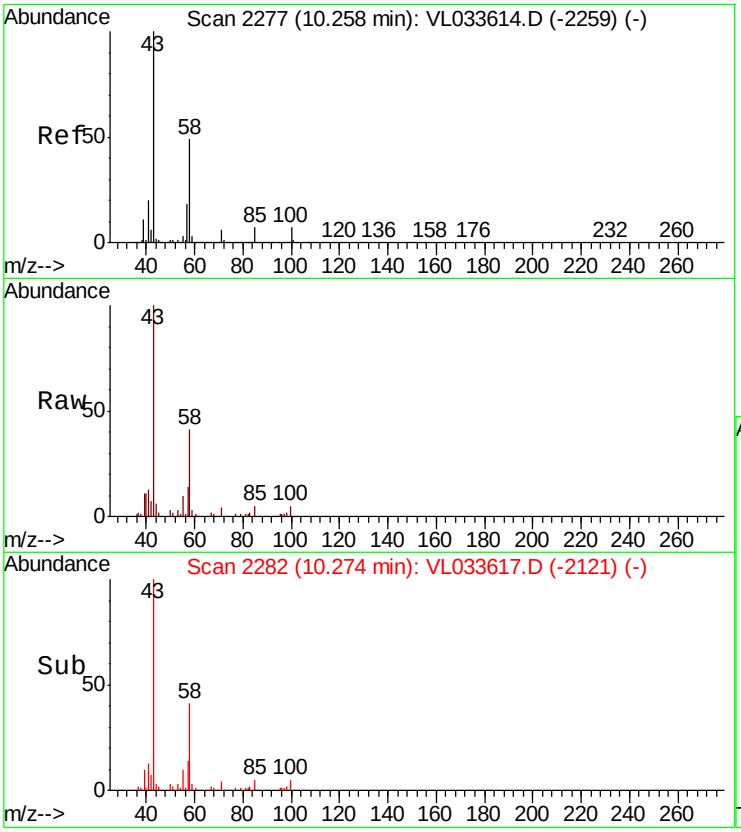


#50
4-Methyl-2-Pentanone
Concen: 0.428 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.02 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 43 Resp: 106850

Ion	Ratio	Lower	Upper
43	100		
58	32.8	28.6	42.8



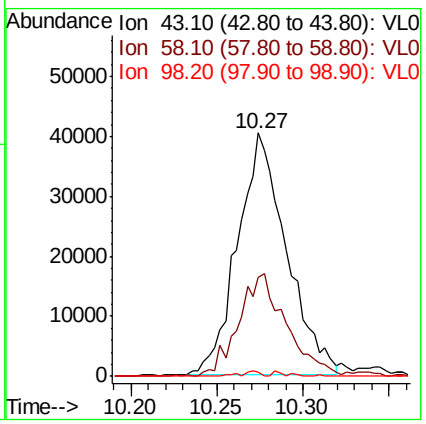


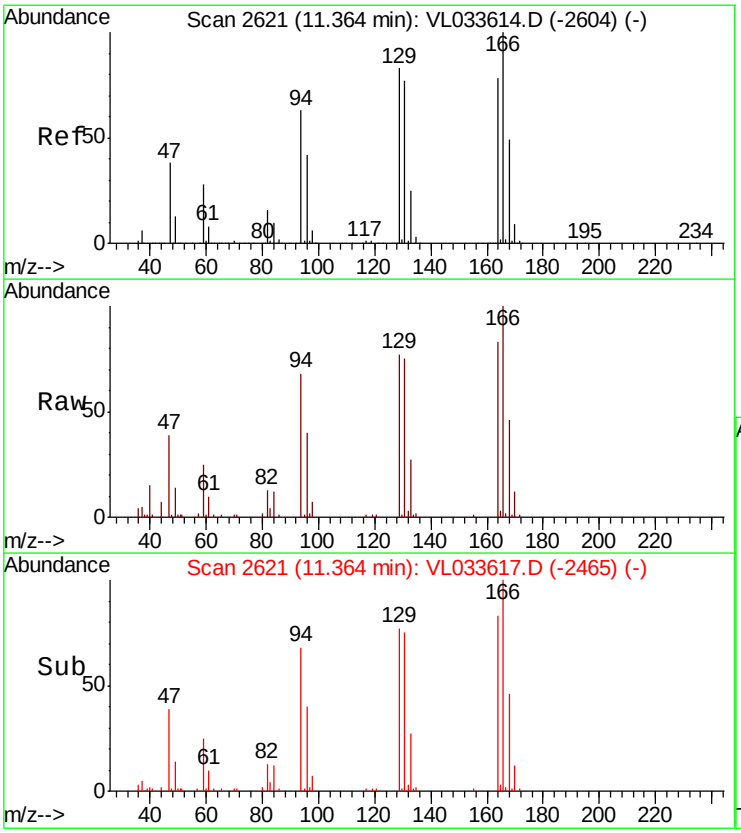
#51
2-Hexanone
Concen: 0.366 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.02 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 80105

Ion	Ratio	Lower	Upper
43	100		
58	42.2	38.5	57.7
98	1.5	0.3	0.5#

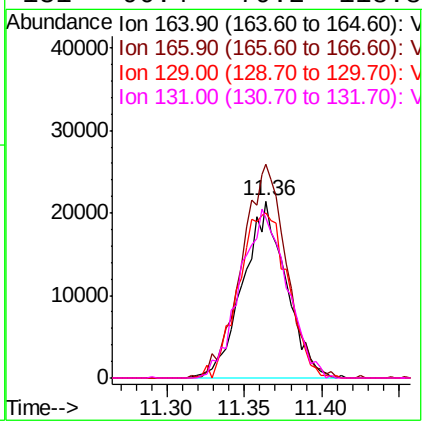


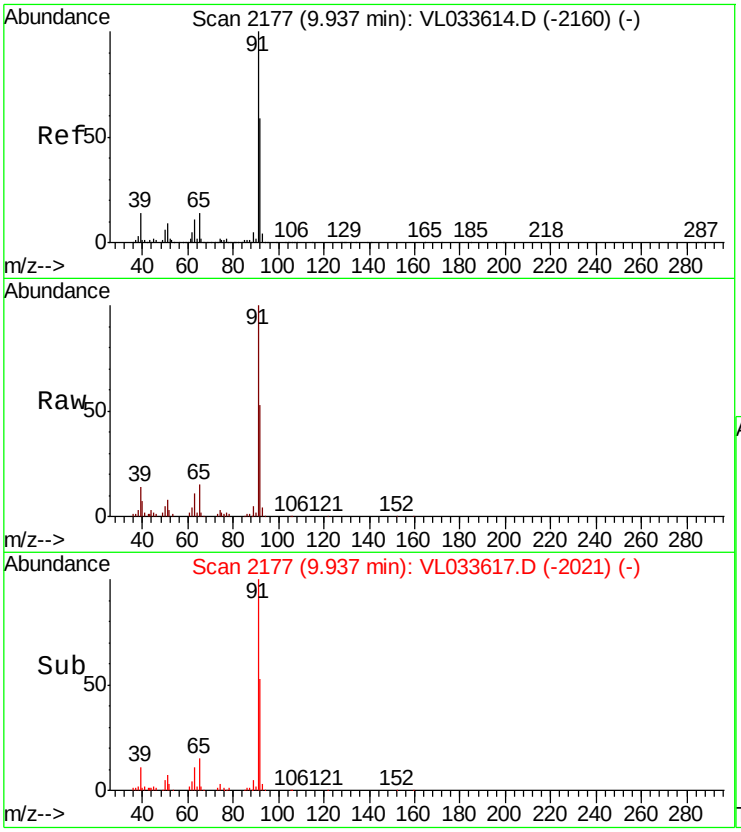


#52
Tetrachloroethene
Concen: 0.485 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:164 Resp: 41201

Ion	Ratio	Lower	Upper
164	100		
166	122.8	102.2	153.4
129	94.6	84.4	126.6
131	90.4	79.2	118.8



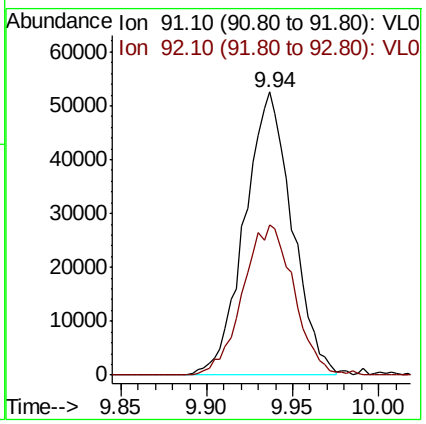


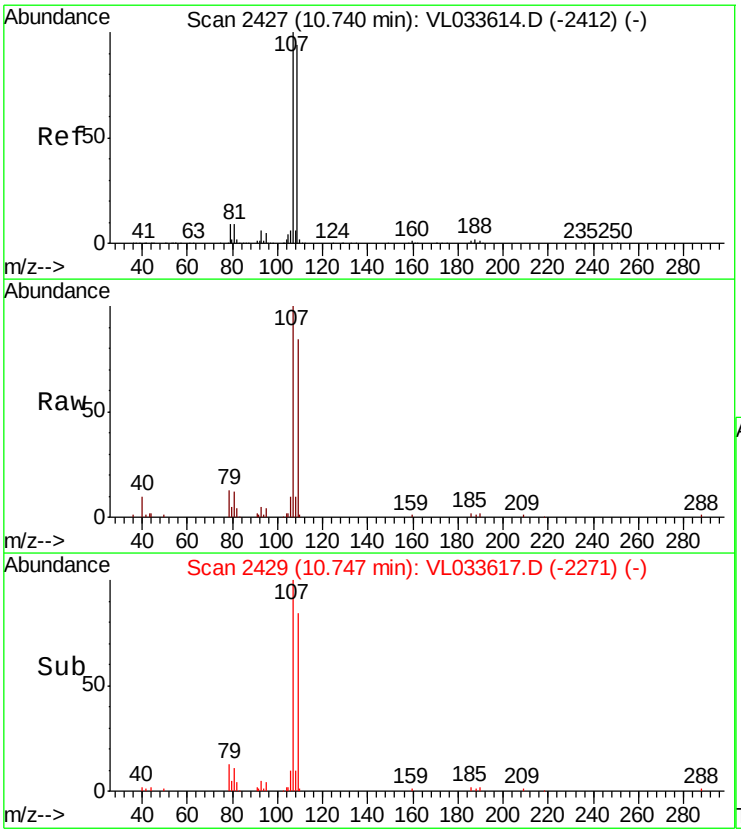
#53
Toluene
Concen: 0.360 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 100405

Ion	Ratio	Lower	Upper
91	100		
92	57.1	47.8	71.6

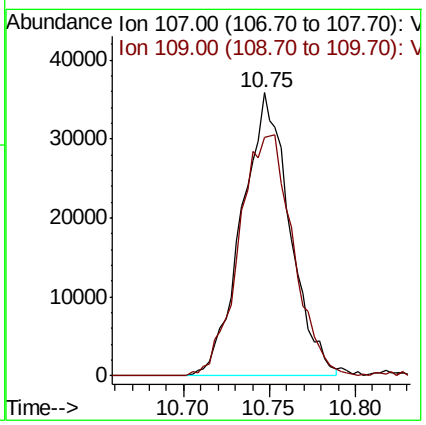


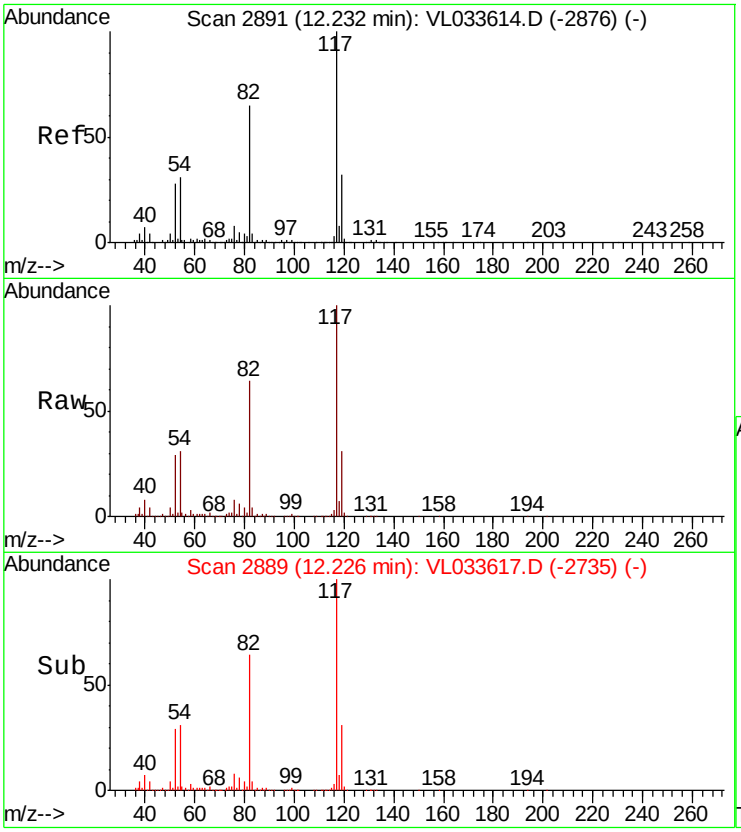


#54
1,2-Dibromoethane
Concen: 0.465 ppbv
RT: 10.75 min Scan# 2429
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:107 Resp: 69433

Ion	Ratio	Lower	Upper
107	100		
109	84.1	75.1	112.7



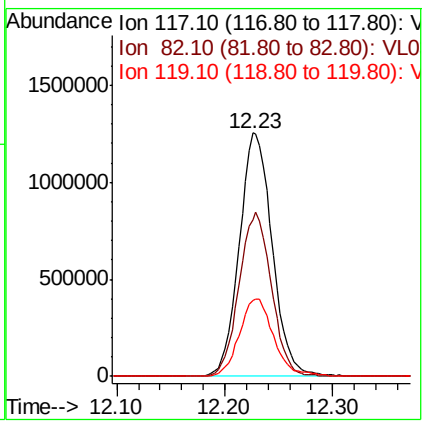


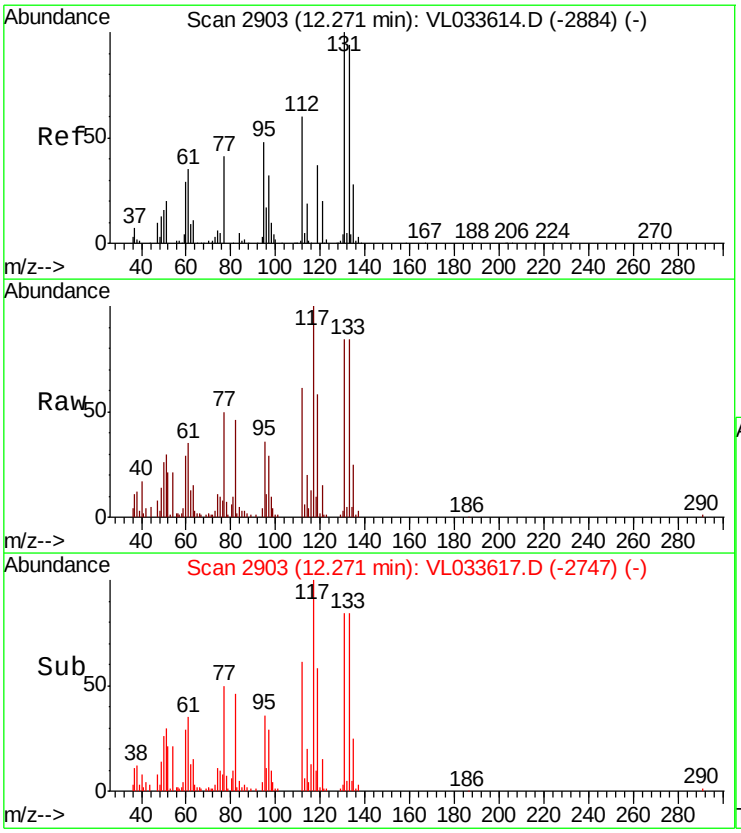
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 2658119

Ion	Ratio	Lower	Upper
117	100		
82	66.5	52.6	78.8
119	33.3	28.3	42.5

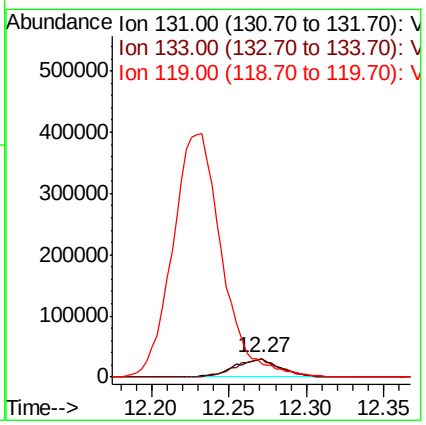


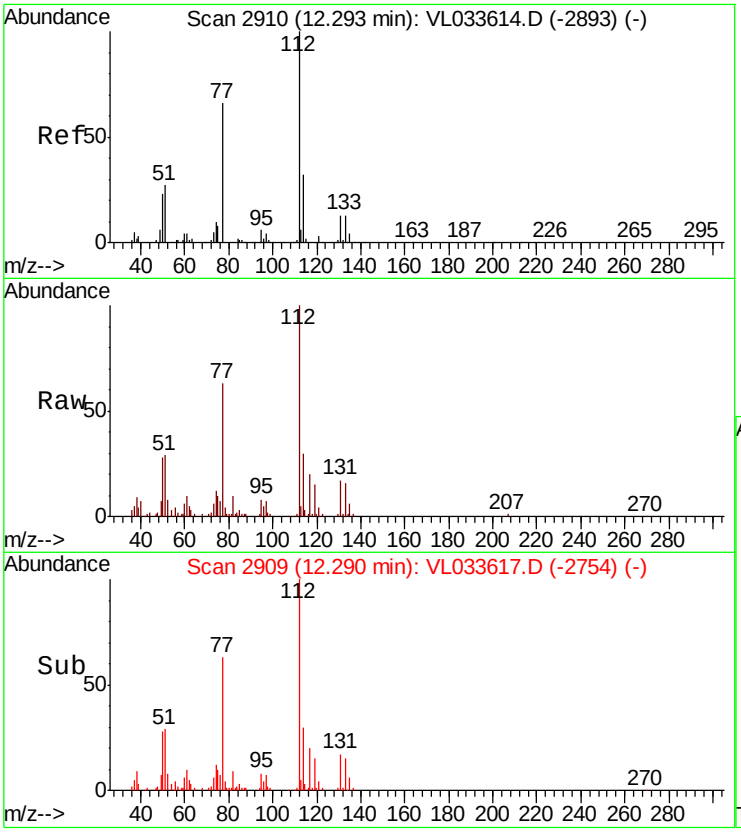


#56
1,1,1,2-Tetrachloroethane
Concen: 0.531 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:131 Resp: 61636

Ion	Ratio	Lower	Upper
131	100		
133	97.0	76.4	114.6
119	1436.5	40.9	61.3#



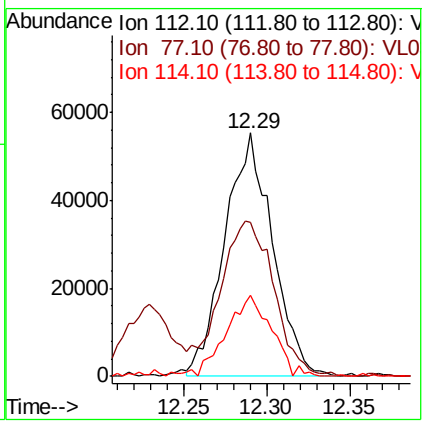


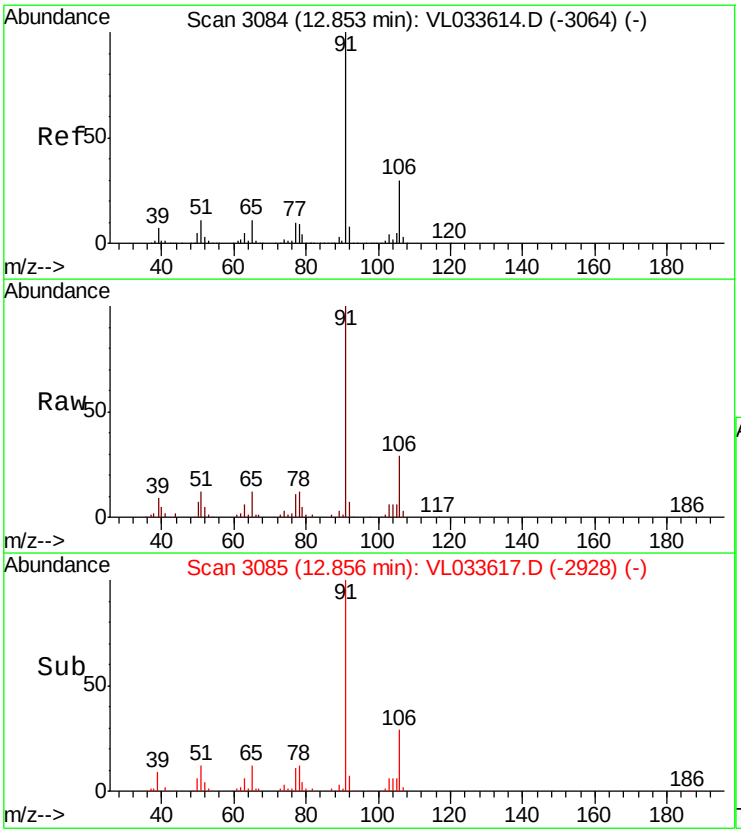
#57
Chlorobenzene
Concen: 0.534 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:112 Resp: 110499

Ion	Ratio	Lower	Upper
112	100		
77	62.4	53.6	80.4
114	33.1	29.1	35.5

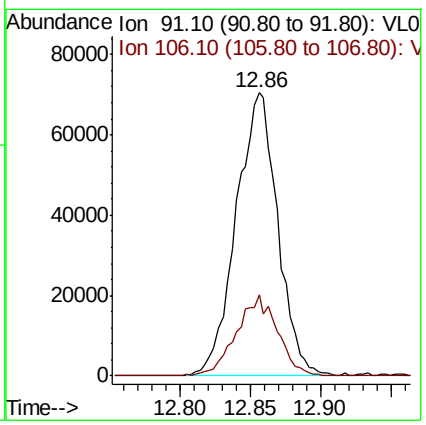


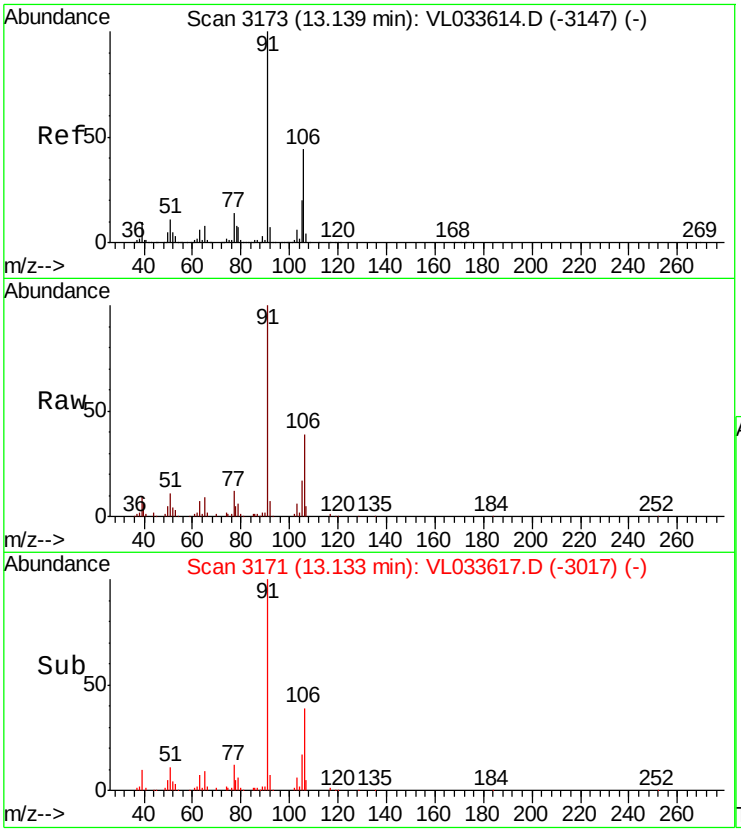


#58
Ethyl Benzene
Concen: 0.469 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 91 Resp: 145152

Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.6	35.4



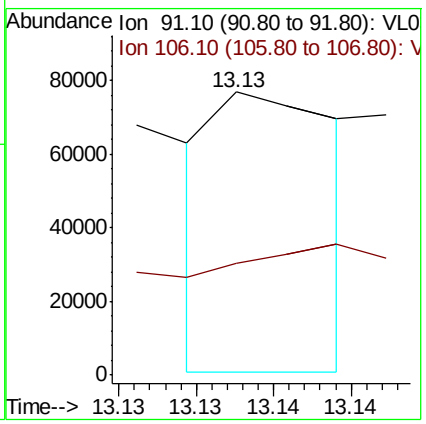


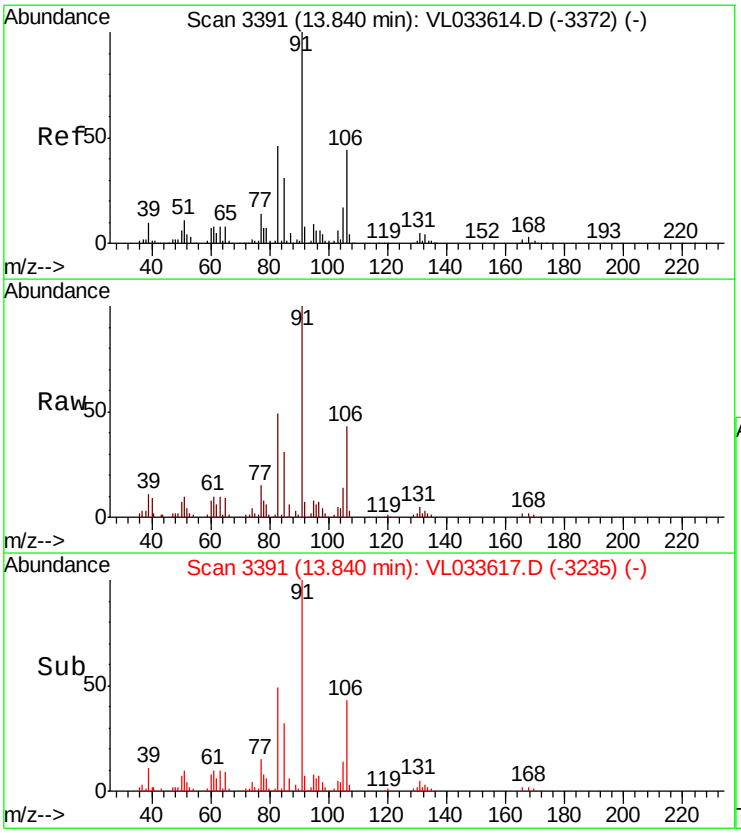
#59
m/p-Xylene
Concen: 0.156 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 41779

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

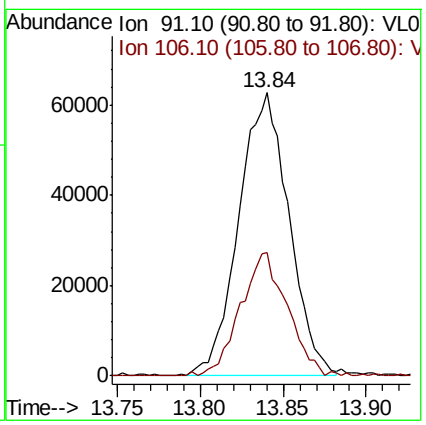


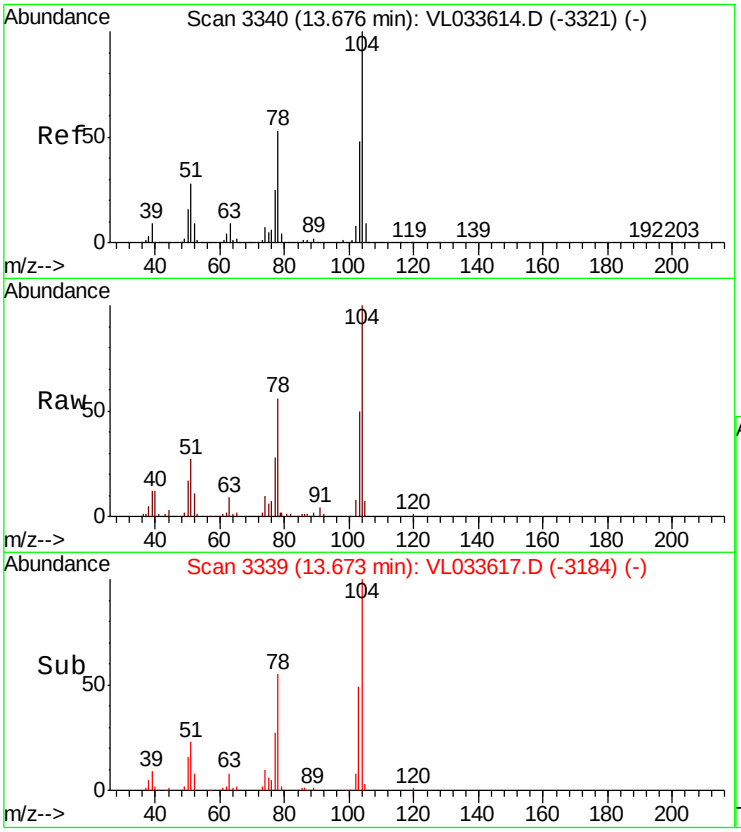


#60
o-Xylene
Concen: 0.492 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 91 Resp: 132248

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.8	65.4



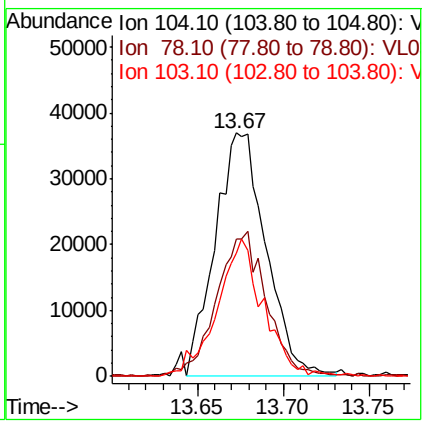


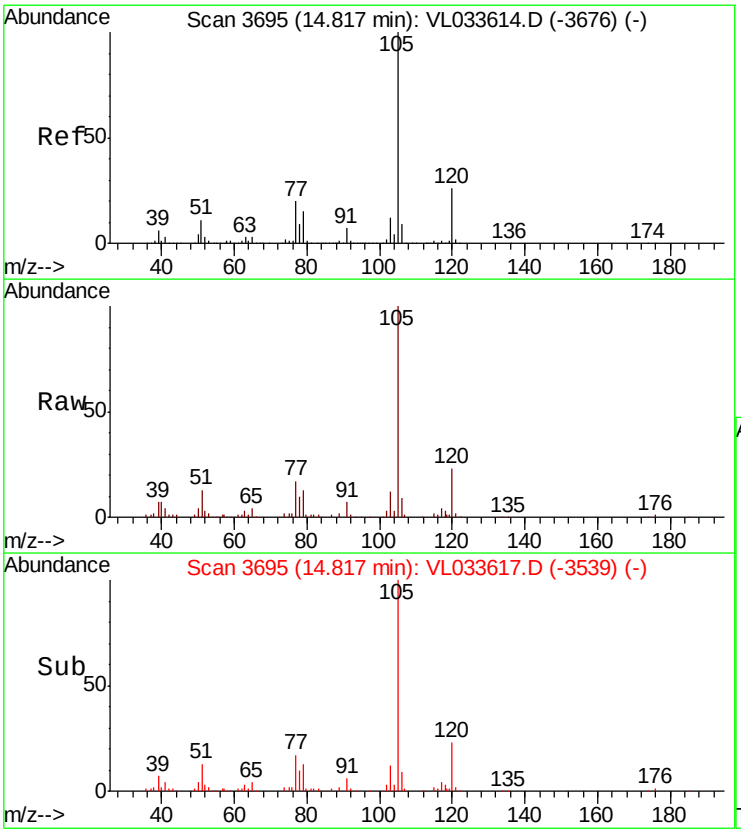
#61
Styrene
Concen: 0.416 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 76549

Ion	Ratio	Lower	Upper
104	100		
78	58.0	42.7	64.1
103	51.1	37.8	56.6

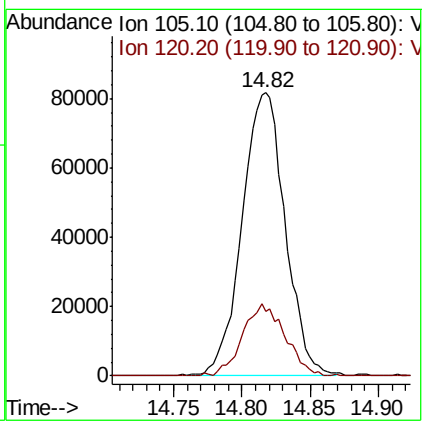


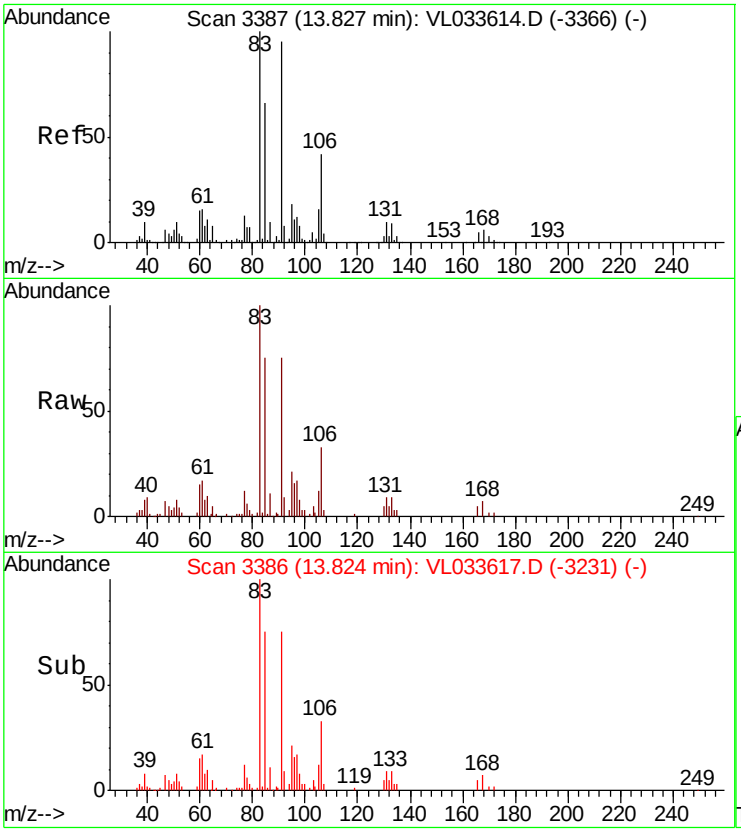


#62
Isopropylbenzene
Concen: 0.495 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:105 Resp: 177983

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5



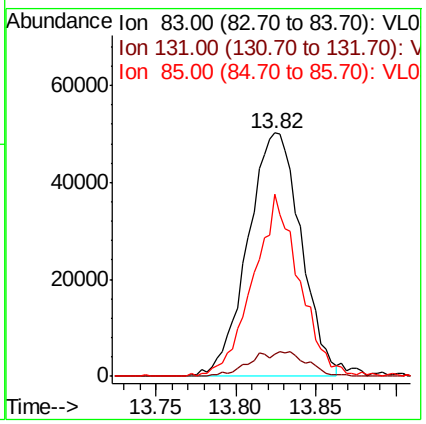


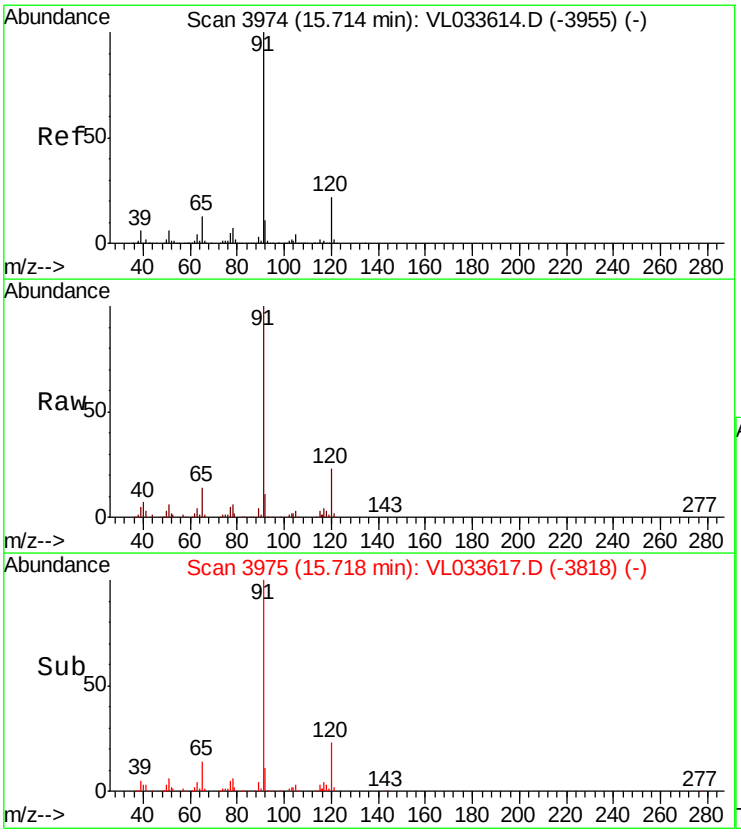
#63
1,1,2,2-Tetrachloroethane
Concen: 0.545 ppbv
RT: 13.82 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 114739

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.8	14.4
85	66.1	32.3	96.8

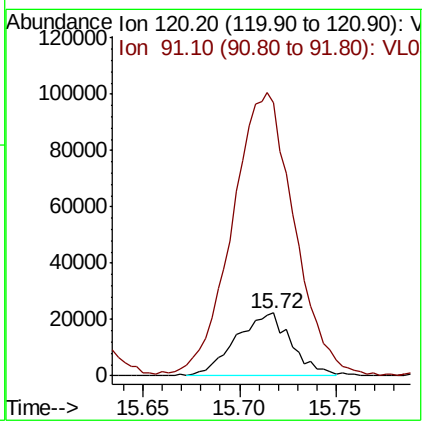


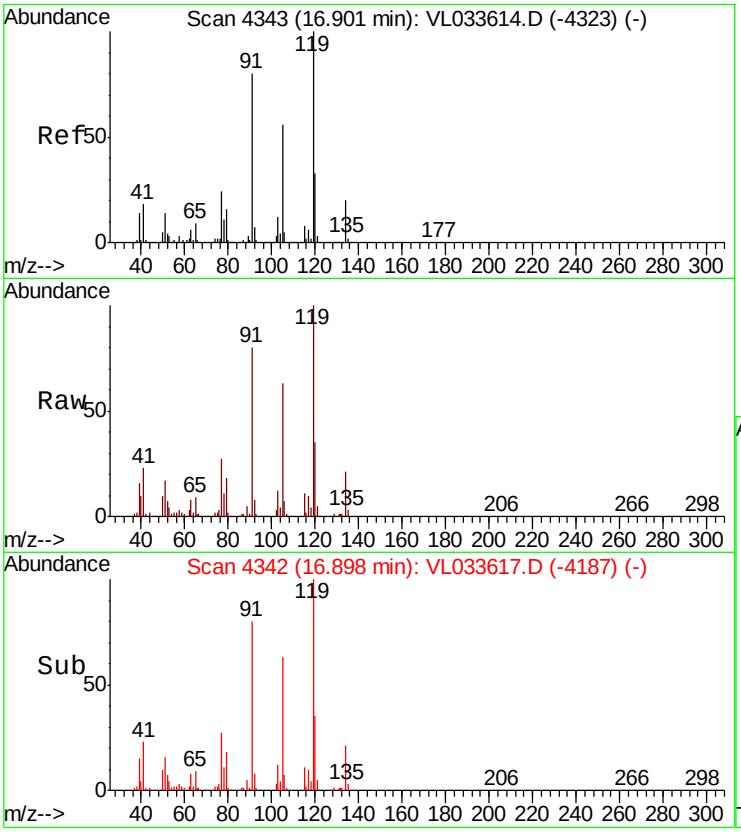


#64
n-propylbenzene
Concen: 0.478 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:120 Resp: 44537

Ion	Ratio	Lower	Upper
120	100		
91	506.9	380.2	570.2



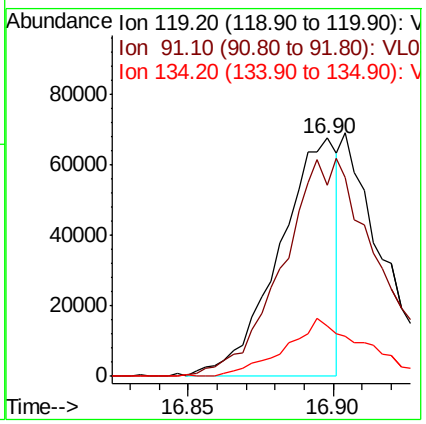


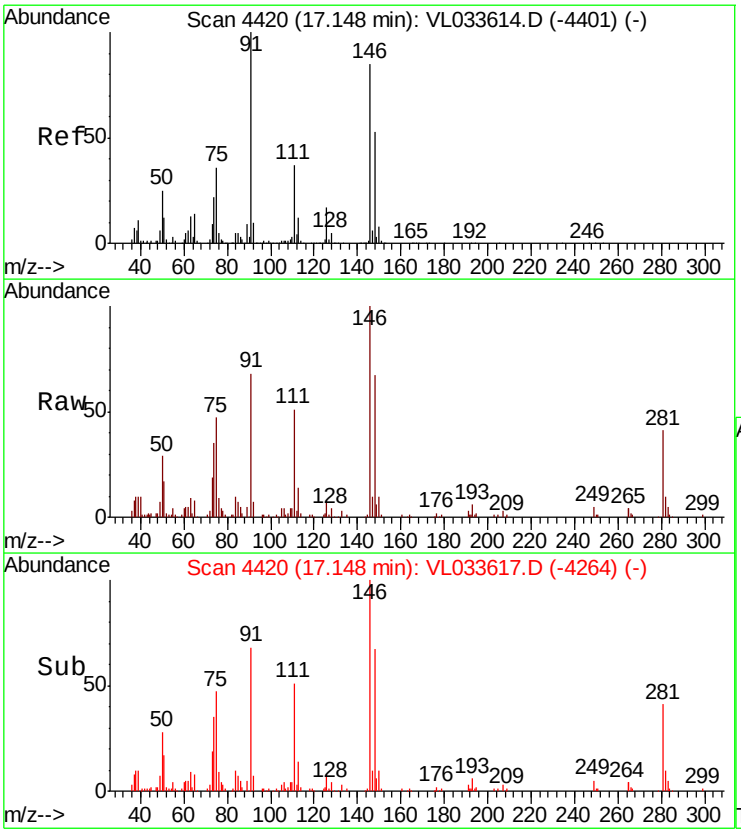
#65
tert-Butylbenzene
Concen: 0.279 ppbv
RT: 16.90 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:119 Resp: 93774

Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.1	99.1#
134	33.3	15.6	23.4#

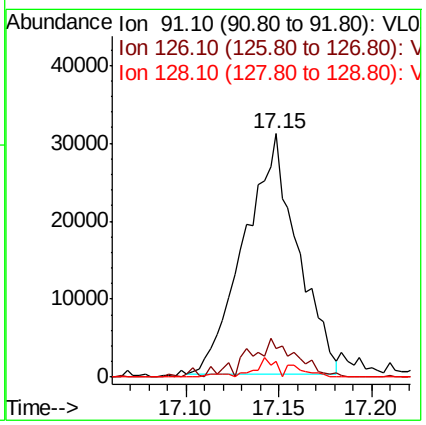


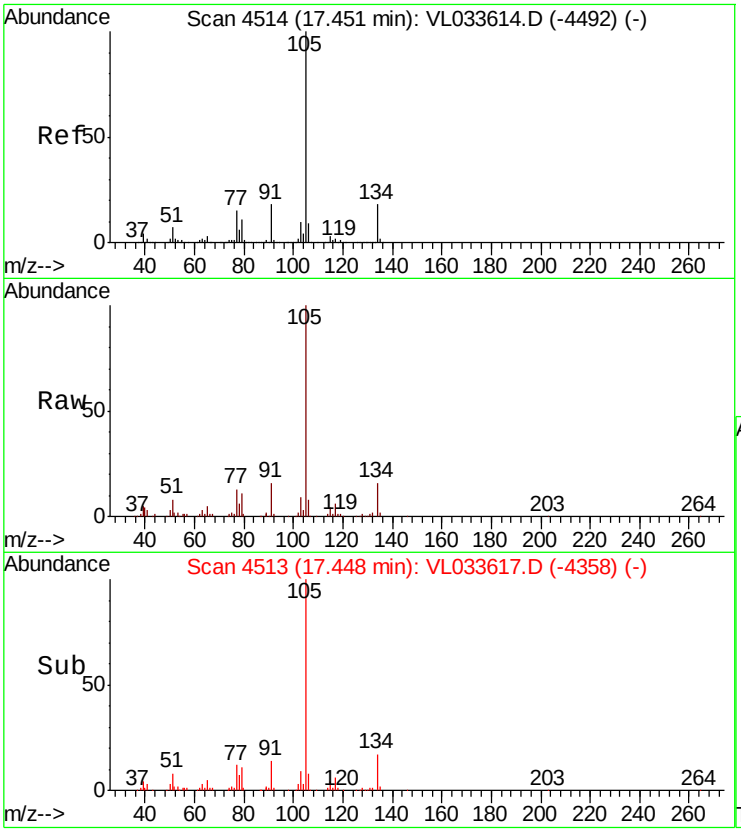


#66
Benzyl Chloride
Concen: 0.405 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 91 Resp: 61736

Ion	Ratio	Lower	Upper
91	100		
126	15.2	13.4	20.2
128	5.2	4.3	6.5



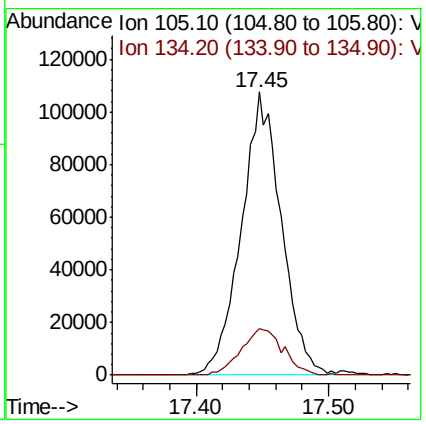


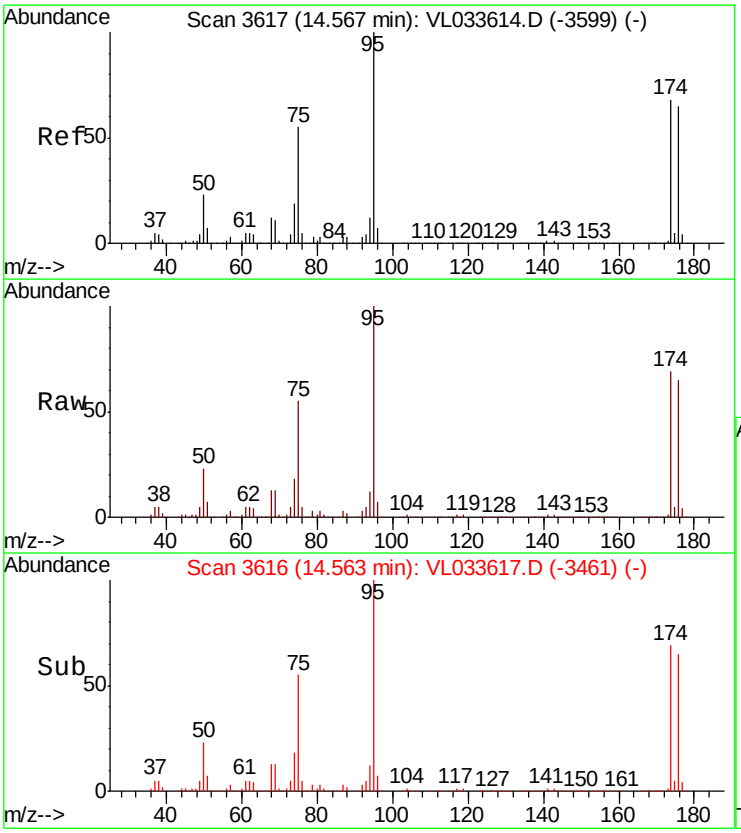
#67
sec-Butylbenzene
Concen: 0.480 ppbv
RT: 17.45 min Scan# 4513
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 226240

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.6	21.8

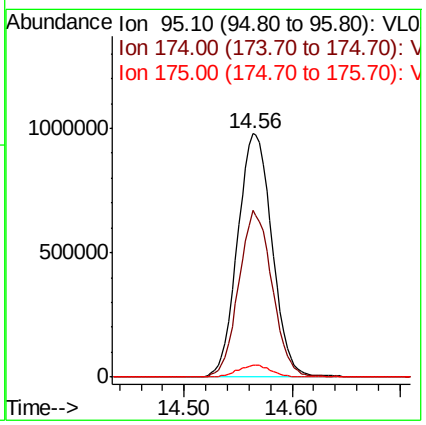


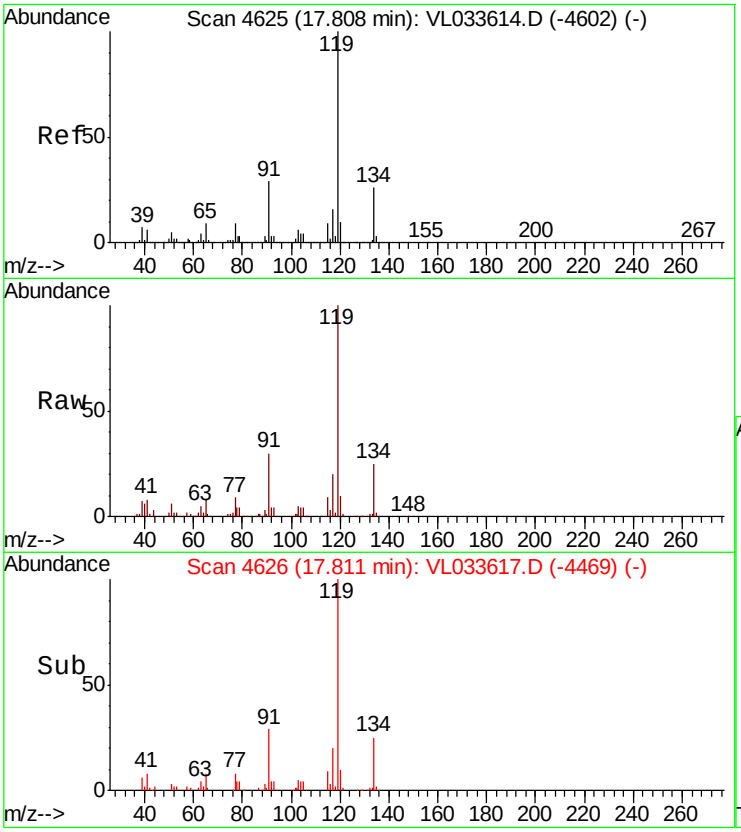


#68
1-Bromo-4-Fluorobenzene
Concen: 10.669 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 95 Resp: 2174958

Ion	Ratio	Lower	Upper
95	100		
174	67.0	53.9	80.9
175	4.8	4.0	6.0



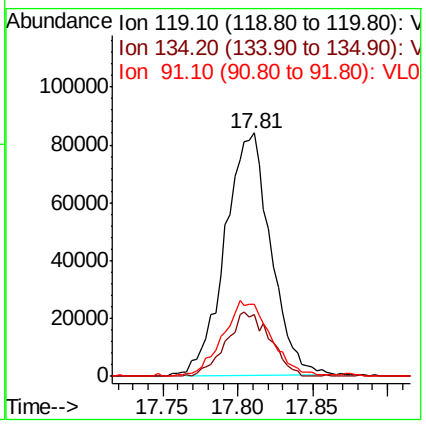


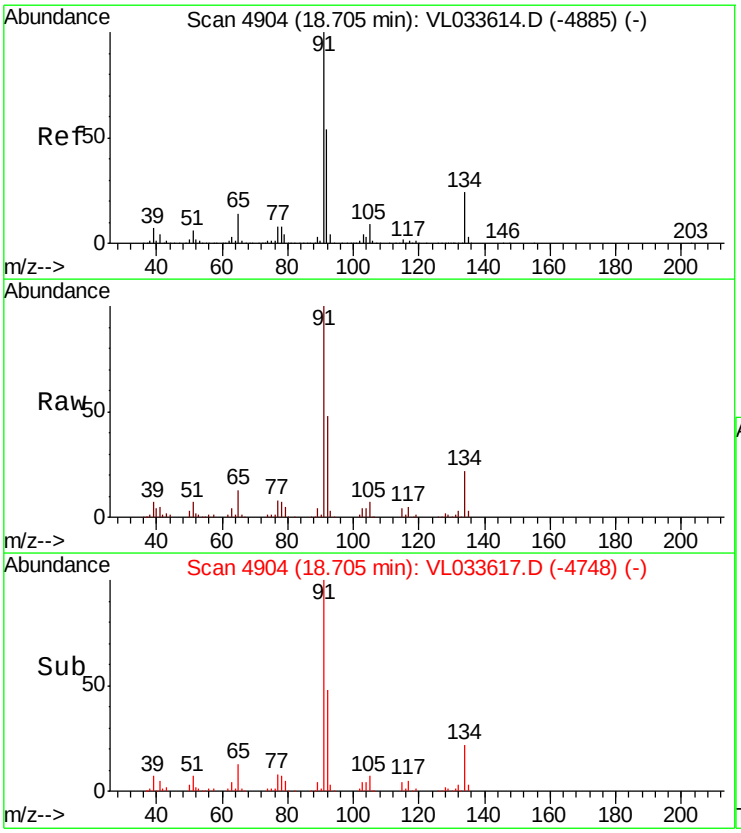
#69
p-Isopropyltoluene
Concen: 0.454 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 178269

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.2	30.2
91	33.3	23.3	34.9

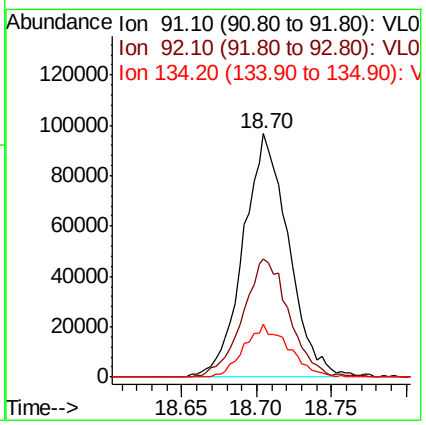


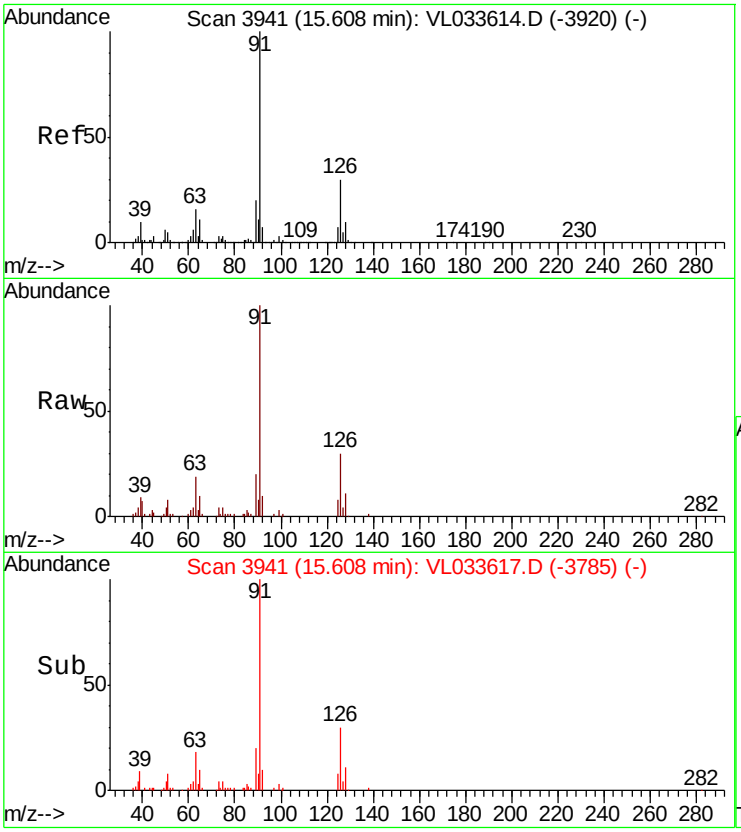


#70
n-Butylbenzene
Concen: 0.475 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion: 91 Resp: 202860

Ion	Ratio	Lower	Upper
91	100		
92	50.0	42.6	64.0
134	21.3	18.0	27.0



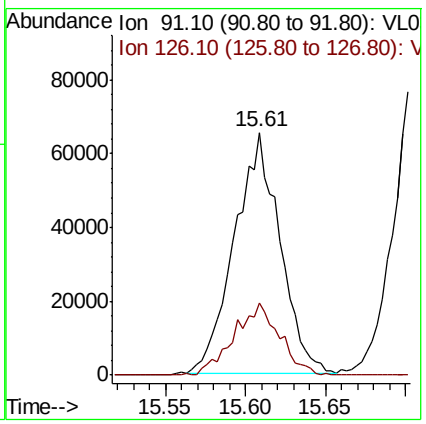


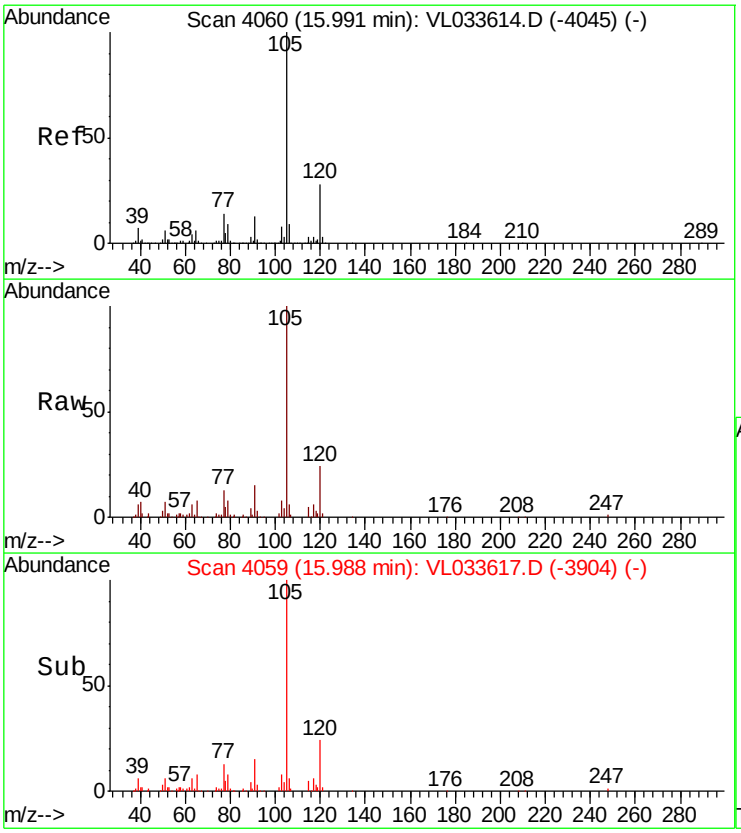
#71
2-Chlorotoluene
Concen: 0.474 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 127457

Ion	Ratio	Lower	Upper
91	100		
126	29.9	11.9	47.7

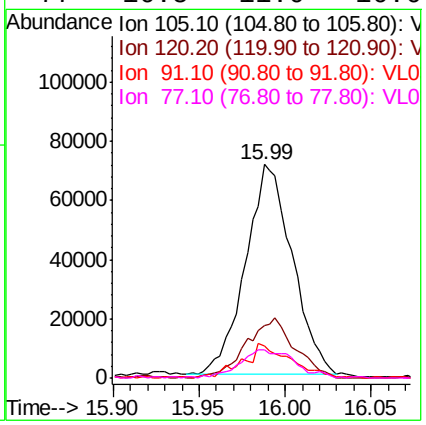


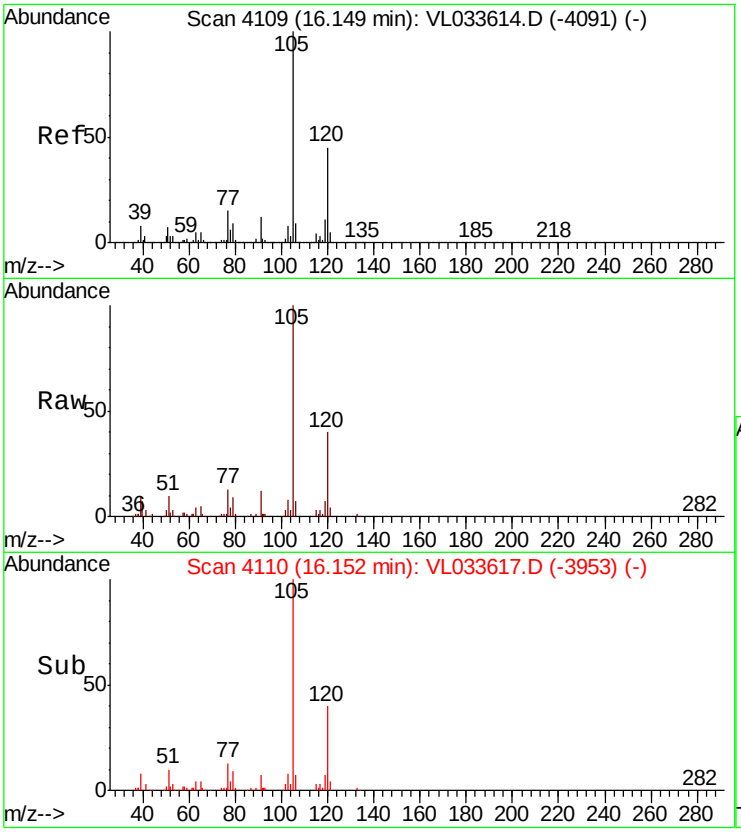


#72
4-Ethyltoluene
Concen: 0.439 ppbv
RT: 15.99 min Scan# 4059
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:105 Resp: 134336

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.2	34.8
91	17.4	10.3	15.5#
77	16.5	11.0	16.6



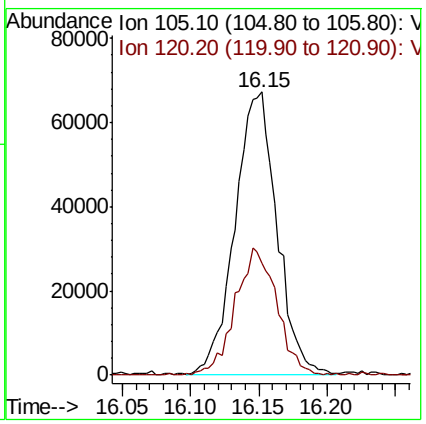


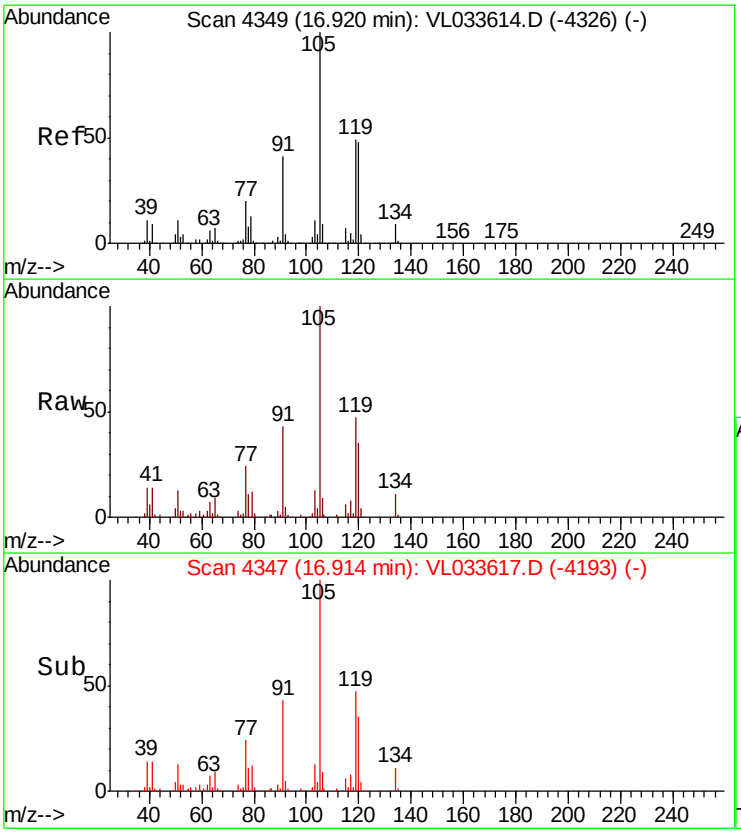
#73
1,3,5-Trimethylbenzene
Concen: 0.478 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 143908

Ion	Ratio	Lower	Upper
105	100		
120	39.0	36.2	54.2

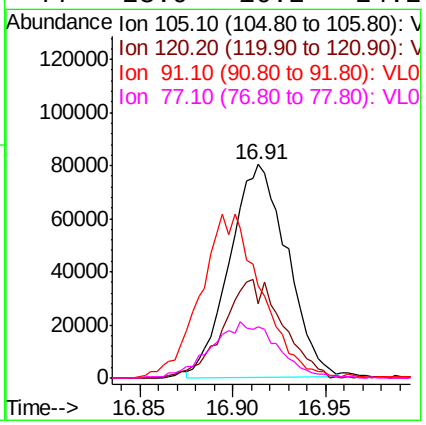


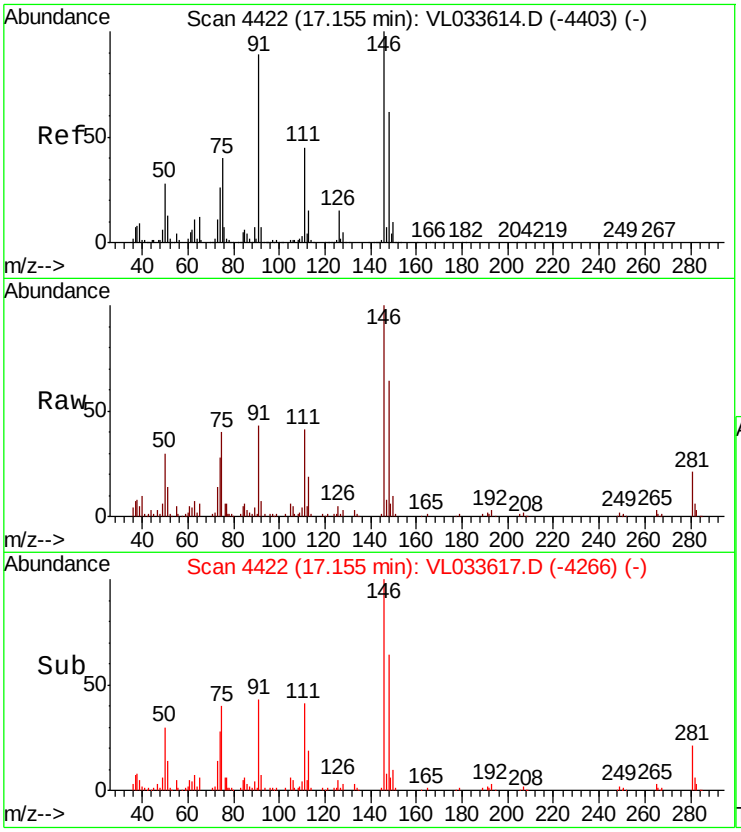


#74
1,2,4-Trimethylbenzene
Concen: 0.514 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:105 Resp: 172370

Ion	Ratio	Lower	Upper
105	100		
120	34.6	38.4	57.6#
91	42.8	33.0	49.4
77	23.9	16.2	24.2



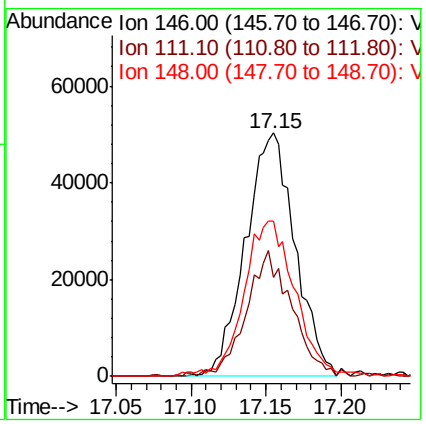


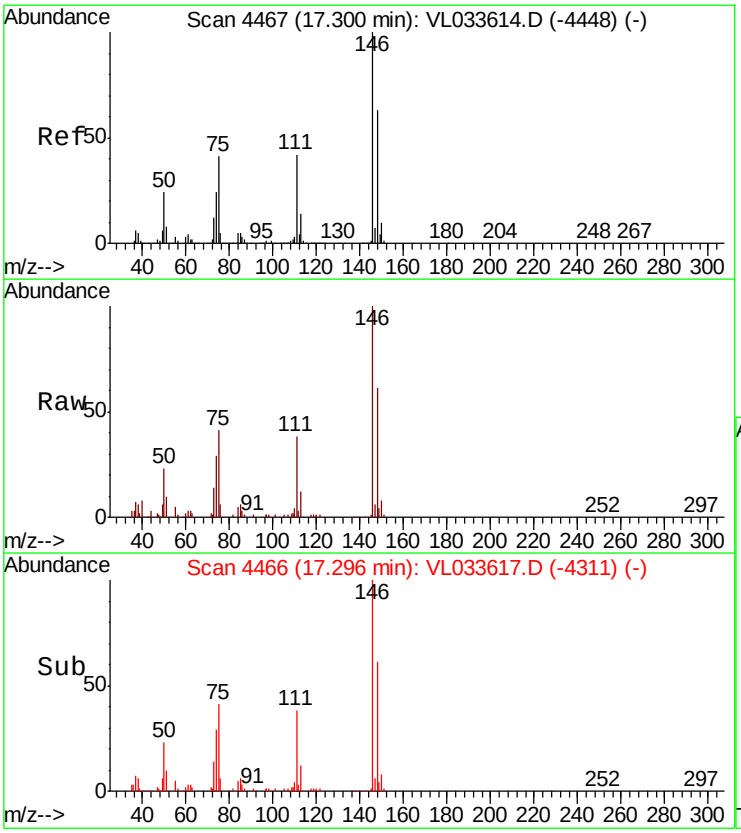
#75
1,3-Dichlorobenzene
Concen: 0.553 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 115424

Ion	Ratio	Lower	Upper
146	100		
111	48.0	22.4	67.2
148	66.5	32.0	96.0

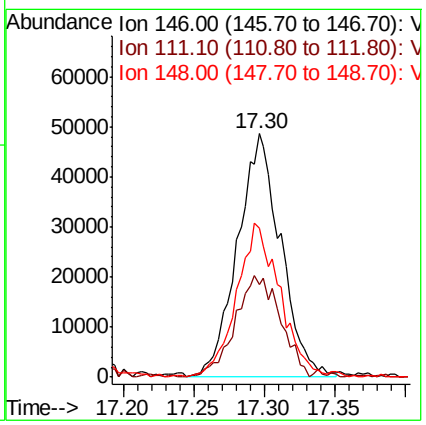


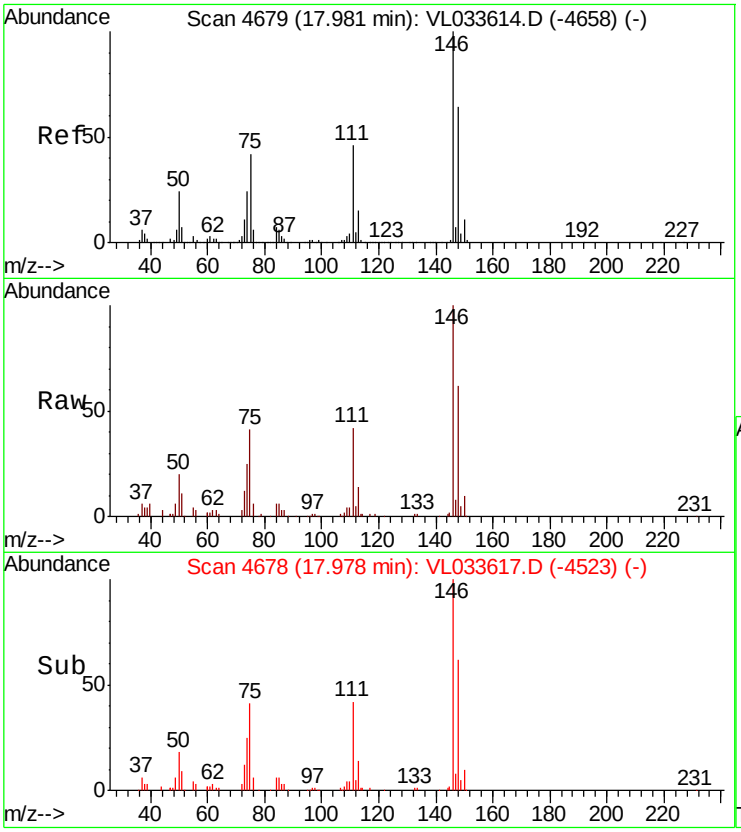


#76
1,4-Dichlorobenzene
Concen: 0.519 ppbv
RT: 17.30 min Scan# 4466
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:146 Resp: 103411

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	65.0
148	64.6	32.3	96.9



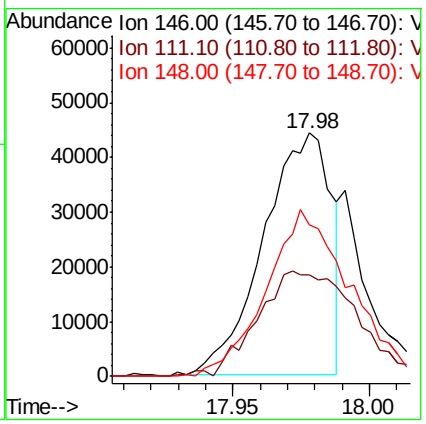


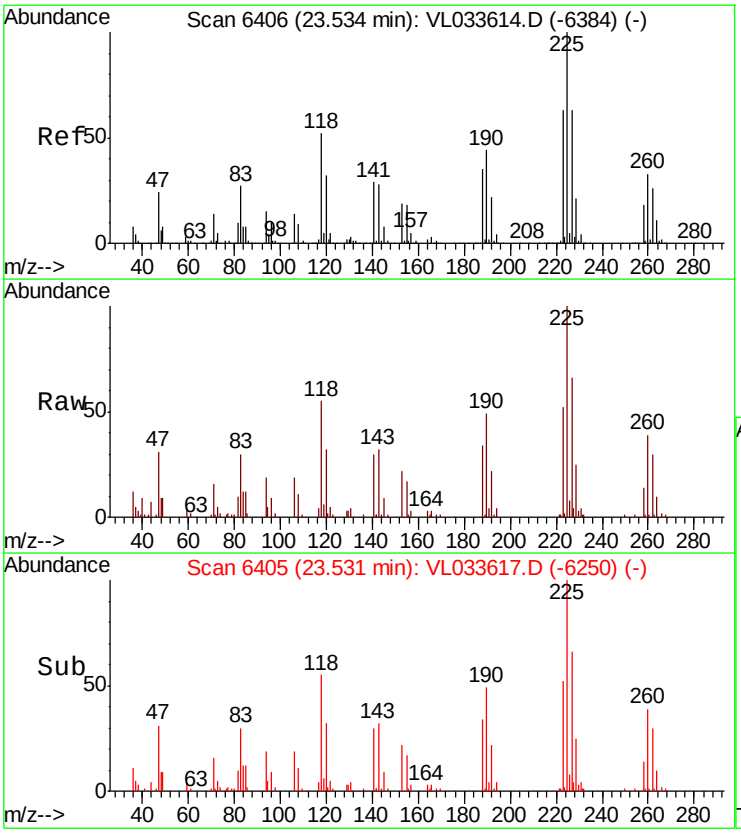
#77
1,2-Dichlorobenzene
Concen: 0.391 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 76083

Ion	Ratio	Lower	Upper
146	100		
111	64.2	23.3	69.9
148	86.2	32.2	96.6

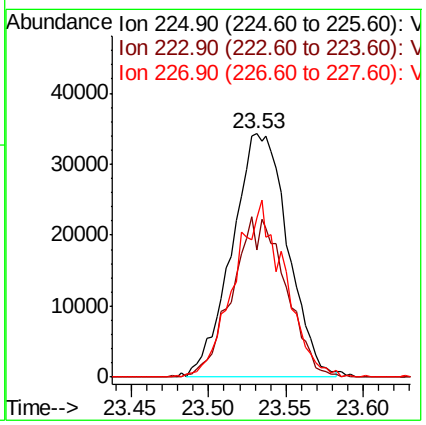


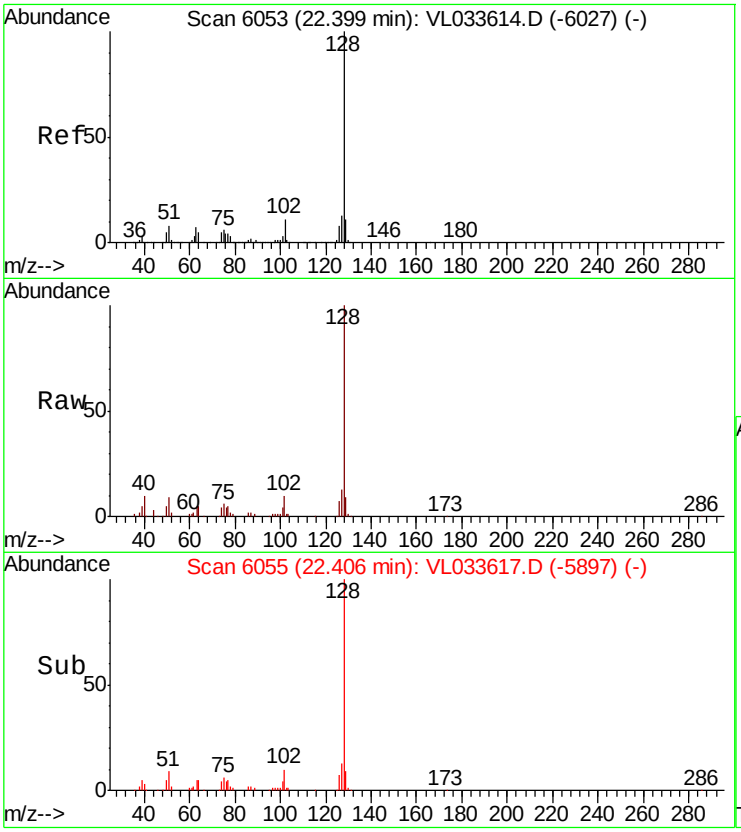


#78
Hexachloro-1,3-Butadiene
Concen: 0.580 ppbv
RT: 23.53 min Scan# 6405
Delta R.T. -0.00 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:225 Resp: 86075

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.4	75.6
227	65.8	50.7	76.1



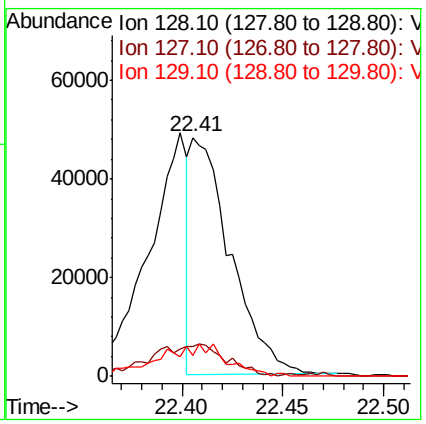


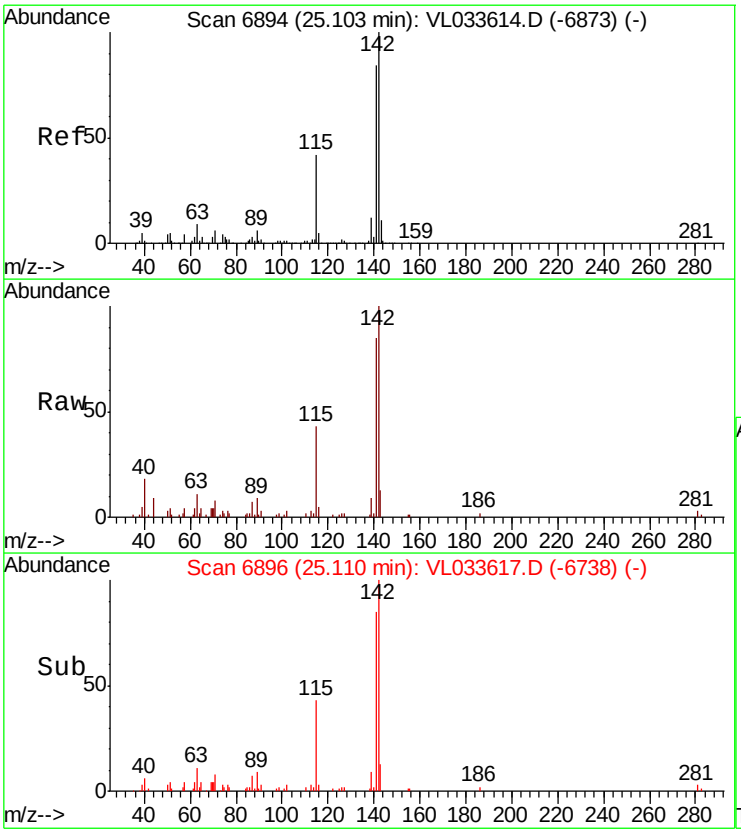
#79
Naphthalene
Concen: 0.210 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 65160

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	9.7	8.6	13.0

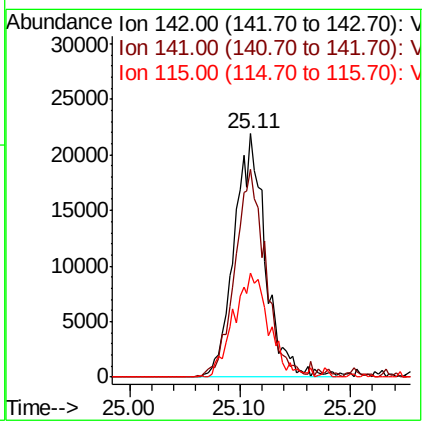


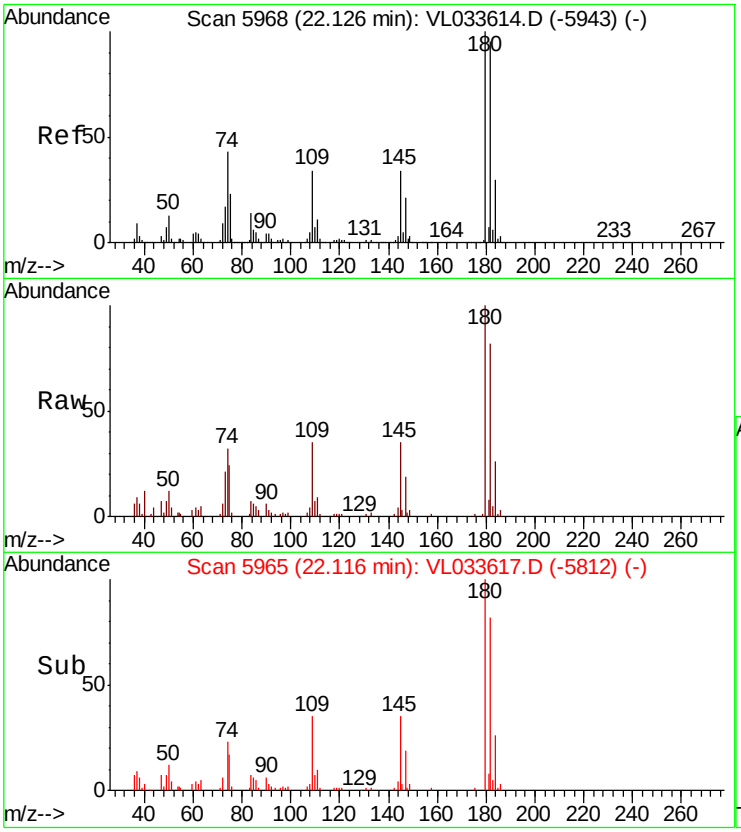


#80
Naphthalene,2-methyl-
Concen: 0.319 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Tgt Ion:142 Resp: 42860

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.3	100.9
115	48.6	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 0.091 ppbv
RT: 22.12 min Scan# 5965
Delta R.T. -0.01 min
Lab File: VL033617.D
Acq: 1 May 2019 13:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 16395

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.2#
184	0.0	24.5	36.7#