Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033328.D
Acq On : 15 Mar 2019 11:44
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 15 12:29:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	863700	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1962270	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2174288	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1617441	9.79	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	172139	1.101	ppbv	96
3) Chlorodifluoromethane	3.02	51	103109	1.043	ppbv	100
4) Chloromethane	3.17	50	55840	1.039	ppbv	98
5) Vinyl Chloride	3.29	62	52047	0.955	ppbv	98
6) Bromomethane	3.52	94	33647	1.018	ppbv	91
7) Chloroethane	3.60	64	20092	1.028	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	137941	1.035	ppbv	97
9) Propene	3.04	41	47538	1.073	ppbv	99
10) Heptane	8.25	43	112718	1.007	ppbv	99
11) Trichlorofluoromethane	4.01	101	155765	1.049	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	65316	0.671	ppbv #	14
13) Ethanol	3.65	45	30065	1.951	ppbv	99
14) Bromoethene	3.79	108	42411	1.031	ppbv	98
15) Acetone	3.91	43	159919	1.209	ppbv	98
16) 1,3-Butadiene	3.36	39	43657	0.940	ppbv	99
17) tert-Butyl alcohol	4.35	59	3358	0.178	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	48222	1.119	ppbv	98
19) Isopropyl Alcohol	4.04	45	67629	1.019	ppbv #	97
20) Methylene Chloride	4.41	84	47757	1.127	ppbv	92
21) Allyl Chloride	4.48	41	65782	1.005	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	43874	1.025	ppbv	97
23) Vinyl Acetate	5.16	43	160665	1.040	ppbv	98
24) 1,1-Dichloroethane	5.09	63	114626	1.042	ppbv	98
25) Ethyl Acetate	5.78	43	206465	1.079	ppbv	99
26) Hexane	5.78	57	90742	1.036	ppbv	97
27) Carbon Disulfide	4.62	76	100268	1.015	ppbv #	92
28) Methyl tert-Butyl Ether	5.13	73	54886	0.435	ppbv	93
29) Chloroform	5.85	83	146259	1.025	ppbv	99
30) Cyclohexane	7.25	84	70255	1.013	ppbv	94
31) cis-1,2-Dichloroethene	5.64	61	88550	1.020	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	143564	1.013	ppbv	98
34) 2-Butanone	5.34	43	134340	1.079	ppbv	99
35) Carbon Tetrachloride	7.13	117	137689	0.972	ppbv	99
36) Benzene	7.01	78	183251	1.045	ppbv	96
37) 1,2-Dichloroethane	6.42	62	116372	1.064	ppbv	100
38) Trichloroethene	7.96	130	69884	1.012	ppbv	94
39) 1,2-Dichloropropane	7.73	63	70822	1.061	ppbv	98
40) 1,4-Dioxane	7.98	88	20793	0.851	ppbv #	67
41) Tetrahydrofuran	6.16	42	73571	1.066	ppbv	98
42) Bromodichloromethane	7.92	83	149682	1.004	ppbv	95
43) Methyl Methacrylate	8.14	69	68494	1.002	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033328.D
Acq On : 15 Mar 2019 11:44
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 15 12:29:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	304617	1.036	ppbv		97
45) t-1,3-Dichloropropene	9.42	75	74182	0.885	ppbv		92
46) cis-1,3-Dichloropropene	8.83	75	95446	0.970	ppbv		92
47) 1,1,2-Trichloroethane	9.61	97	73036	1.017	ppbv		93
48) Dibromochloromethane	10.45	129	113891	0.928	ppbv		97
49) Bromoform	13.20	173	109831	0.989	ppbv		98
50) 4-Methyl-2-Pentanone	8.89	43	188807	1.037	ppbv		98
51) 2-Hexanone	10.29	43	143955	0.993	ppbv	#	100
52) Tetrachloroethene	11.38	164	76136	1.075	ppbv		95
53) Toluene	9.95	91	202424	1.012	ppbv		98
54) 1,2-Dibromoethane	10.76	107	127542	1.090	ppbv		88
56) 1,1,1,2-Tetrachloroethane	12.28	131	52988	0.543	ppbv	#	17
57) Chlorobenzene	12.30	112	101605	0.588	ppbv		93
58) Ethyl Benzene	12.87	91	320116	1.041	ppbv		96
59) m/p-Xylene	13.13	91	211174	0.806	ppbv	#	100
60) o-Xylene	13.85	91	270885	1.055	ppbv		100
61) Styrene	13.69	104	113567	0.633	ppbv	#	55
62) Isopropylbenzene	14.83	105	378571	1.067	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	194046	1.000	ppbv		100
64) n-propylbenzene	15.73	120	93059	1.039	ppbv		93
65) tert-Butylbenzene	16.91	119	178807	0.547	ppbv	#	17
66) Benzyl Chloride	17.16	91	100699	0.755	ppbv		96
67) sec-Butylbenzene	17.46	105	483769	1.035	ppbv		99
69) p-Isopropyltoluene	17.82	119	388975	1.023	ppbv		97
70) n-Butylbenzene	18.71	91	417587	1.028	ppbv		98
71) 2-Chlorotoluene	15.62	91	293987	1.041	ppbv		99
72) 4-Ethyltoluene	16.00	105	299810	1.024	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	297270	1.025	ppbv		96
74) 1,2,4-Trimethylbenzene	16.92	105	327571	1.073	ppbv		93
75) 1,3-Dichlorobenzene	17.16	146	102997	0.580	ppbv	#	37
76) 1,4-Dichlorobenzene	17.31	146	173266	0.991	ppbv		96
77) 1,2-Dichlorobenzene	17.99	146	175705	1.023	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	68406	0.661	ppbv	#	51
79) Naphthalene	22.42	128	170157	0.571	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	145399	1.011	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	155566	1.006	ppbv		99

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

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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
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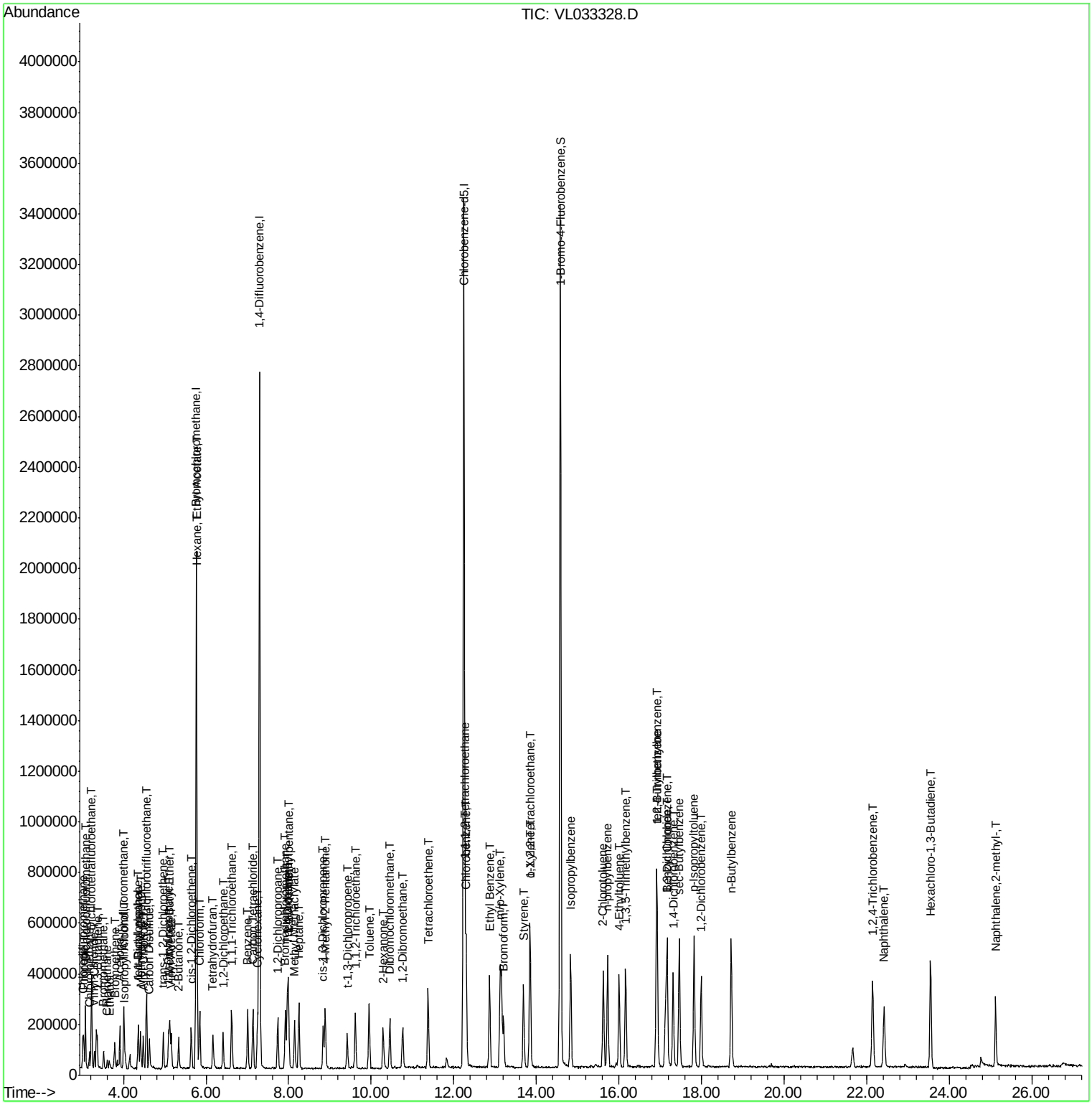
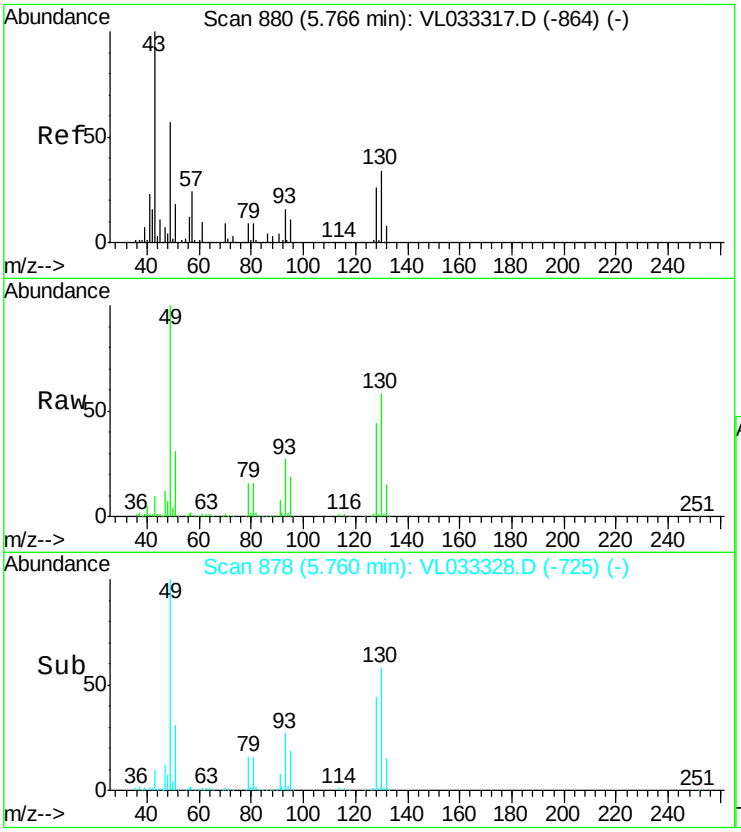
Quant Time: Mar 15 12:29:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration



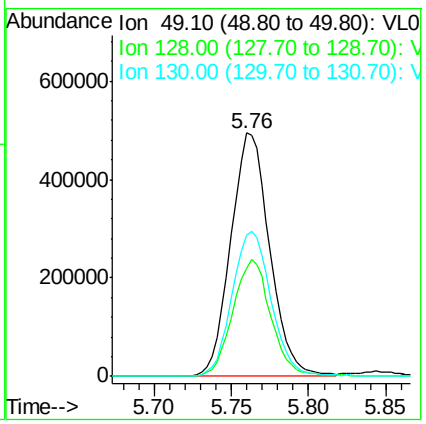


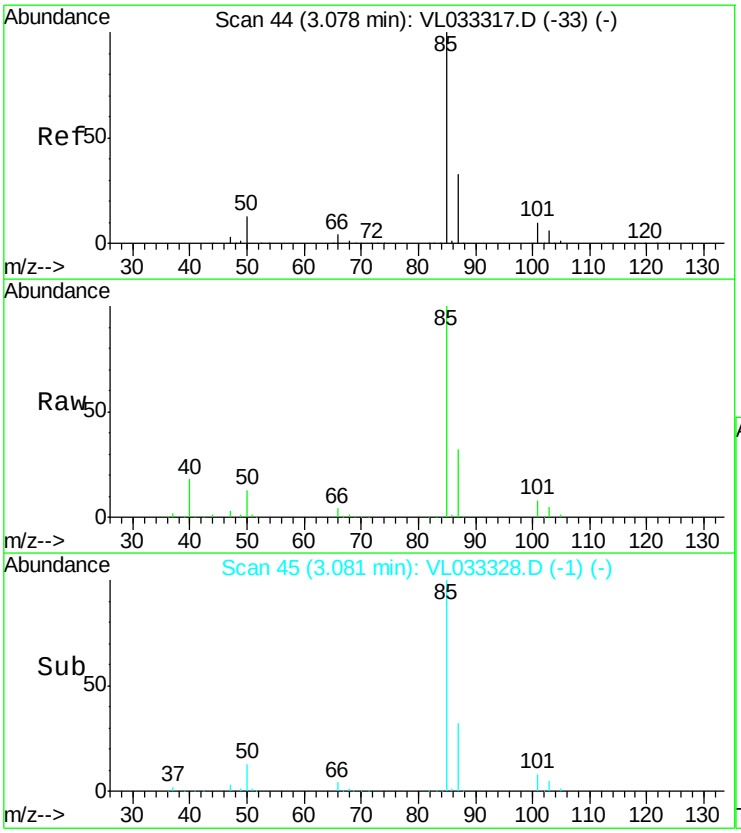
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 863700

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.5	70.6
130	60.5	30.1	90.3

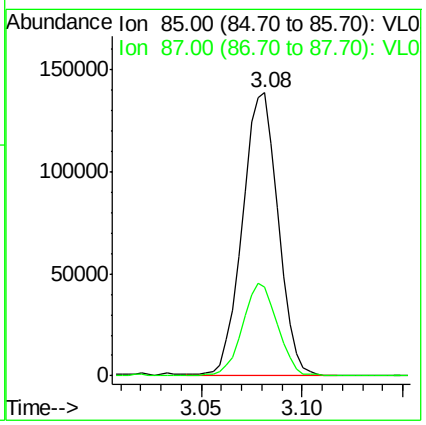


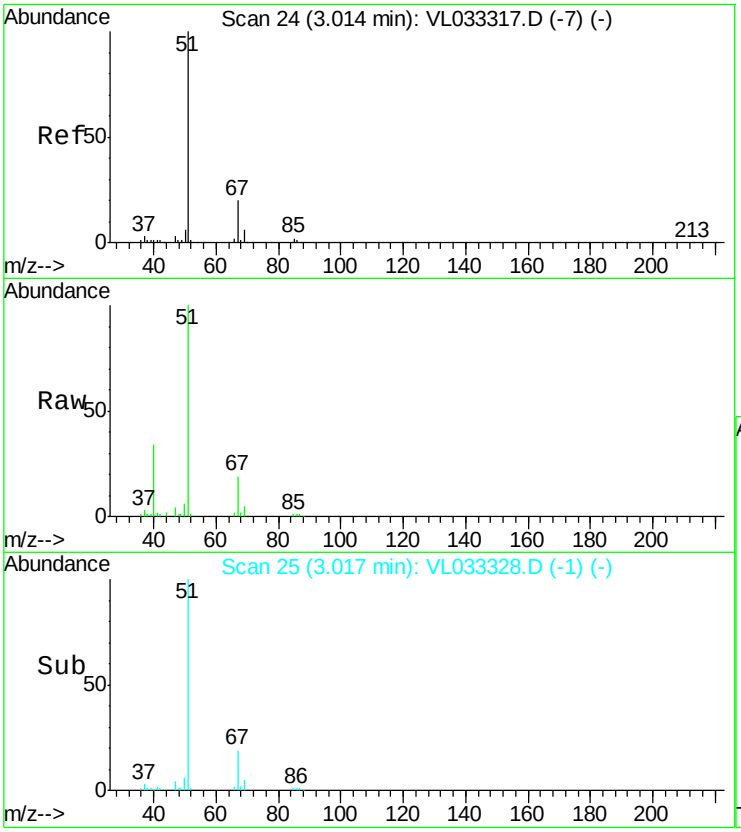


#2
Dichlorodifluoromethane
Concen: 1.101 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 85 Resp: 172139

Ion	Ratio	Lower	Upper
85	100		
87	31.4	26.9	40.3



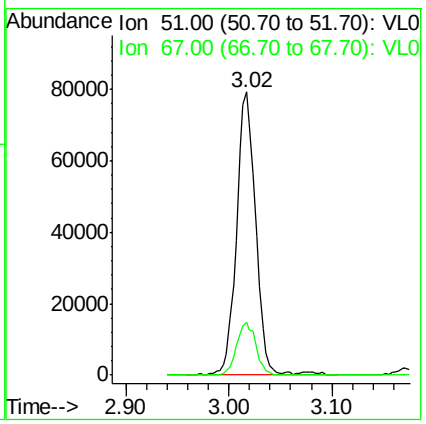


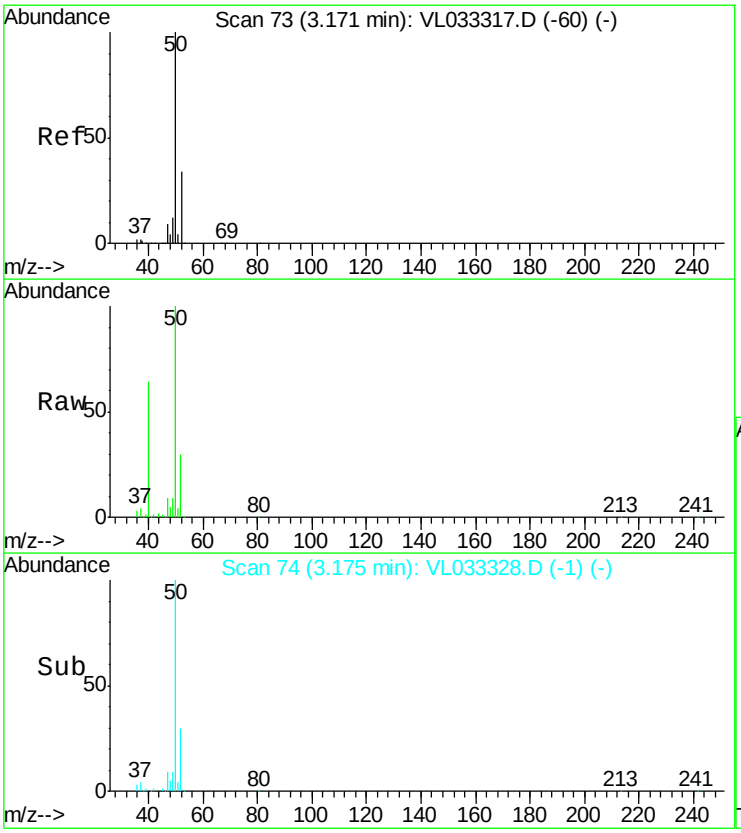
#3
Chlorodifluoromethane
Concen: 1.043 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 103109

Ion	Ratio	Lower	Upper
51	100		
67	18.7	14.9	22.3

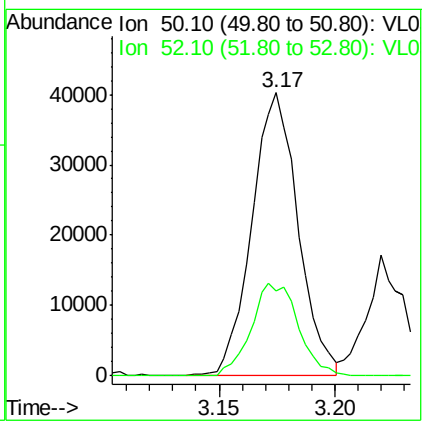


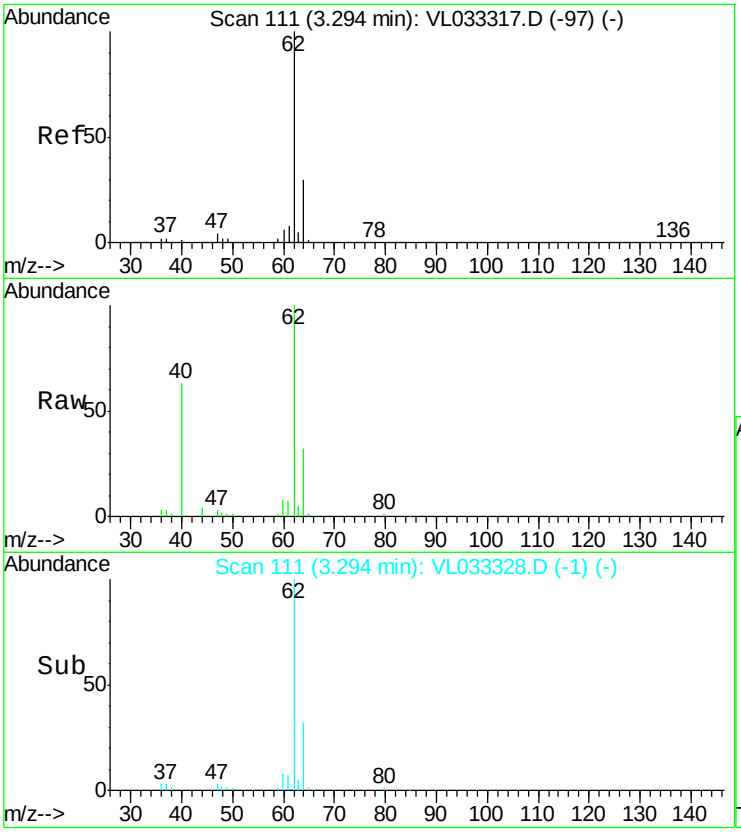


#4
Chloromethane
Concen: 1.039 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 50 Resp: 55840

Ion	Ratio	Lower	Upper
50	100		
52	29.9	25.0	37.6



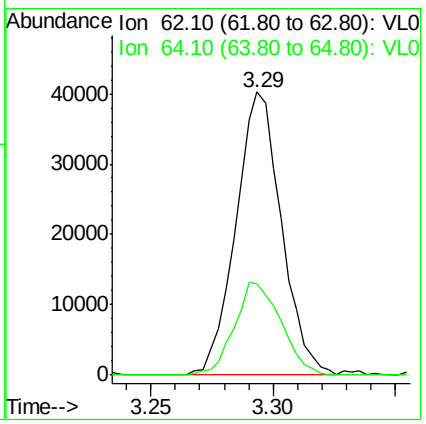


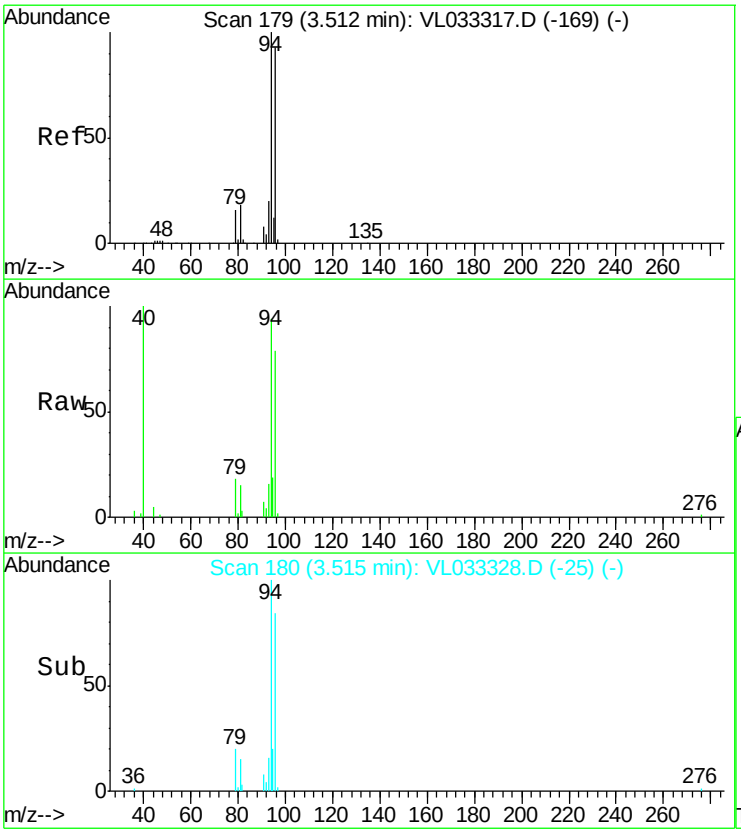
#5
Vinyl Chloride
Concen: 0.955 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 52047

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.0	37.6

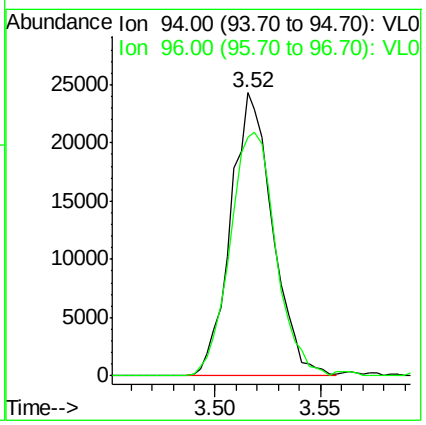


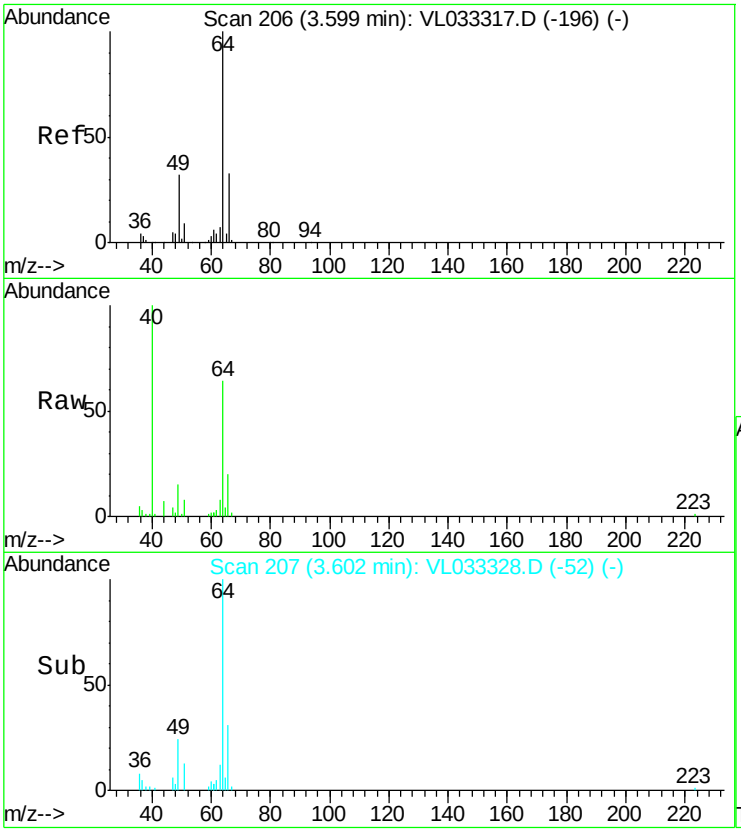


#6
Bromomethane
Concen: 1.018 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 94 Resp: 33647

Ion	Ratio	Lower	Upper
94	100		
96	84.2	74.6	111.8



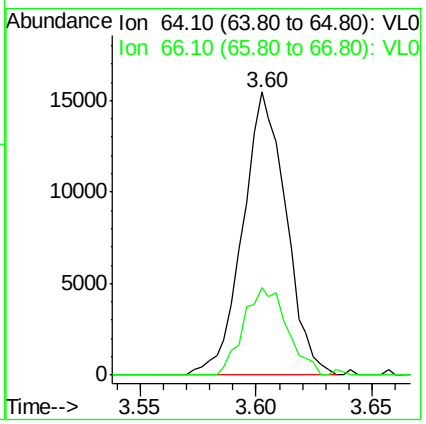


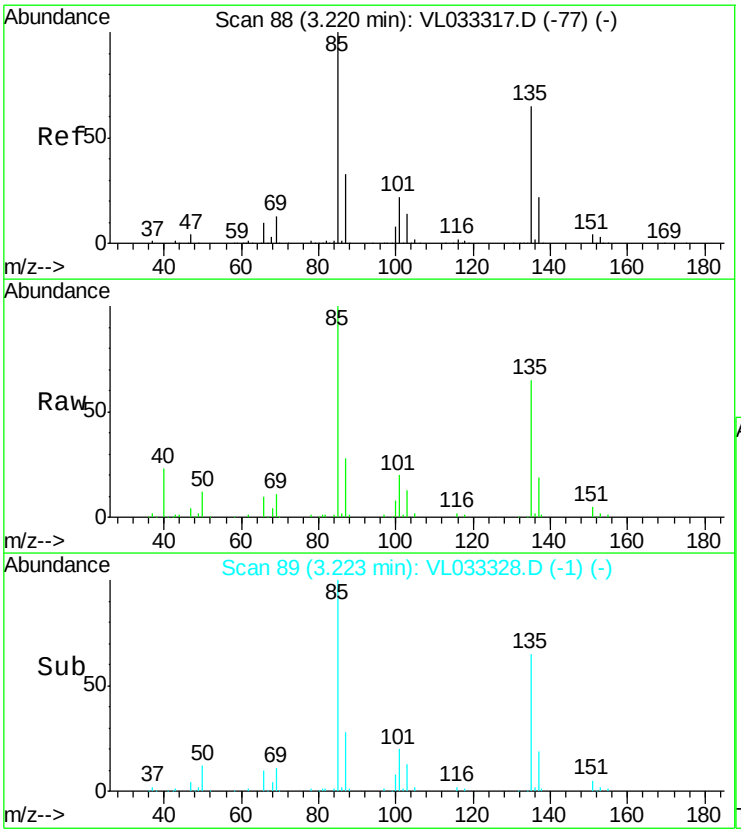
#7
Chloroethane
Concen: 1.028 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 20092

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.0	36.0

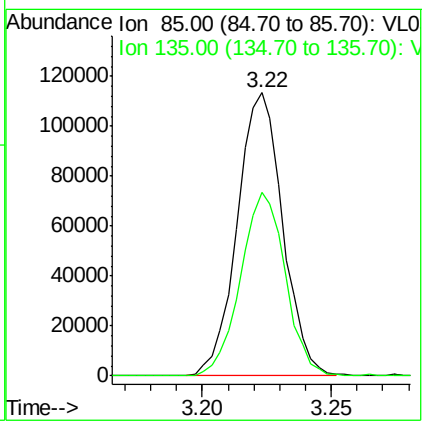


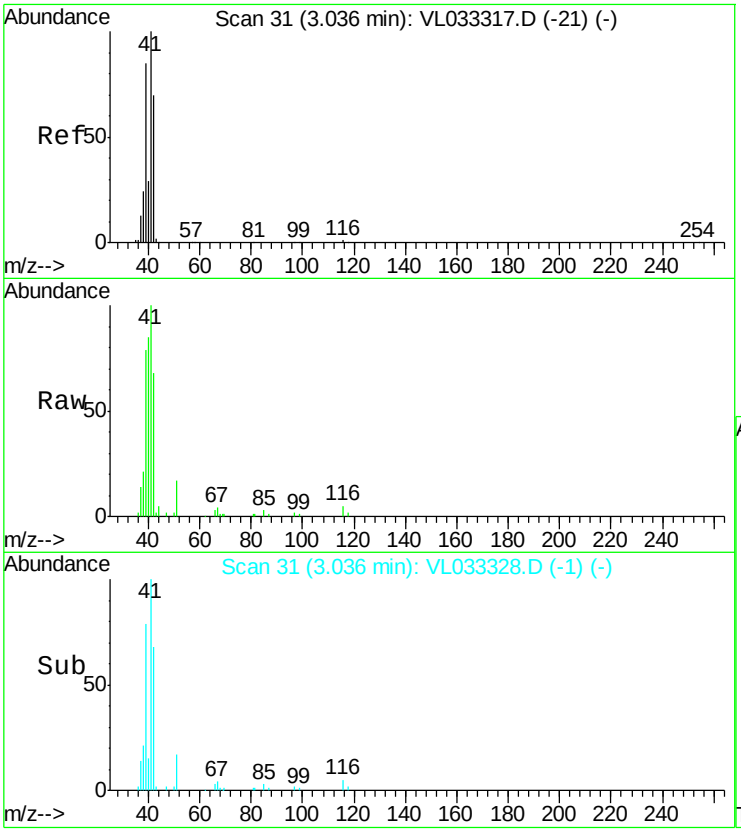


#8
Dichlorotetrafluoroethane
Concen: 1.035 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 85 Resp: 137941

Ion	Ratio	Lower	Upper
85	100		
135	64.4	53.4	80.2



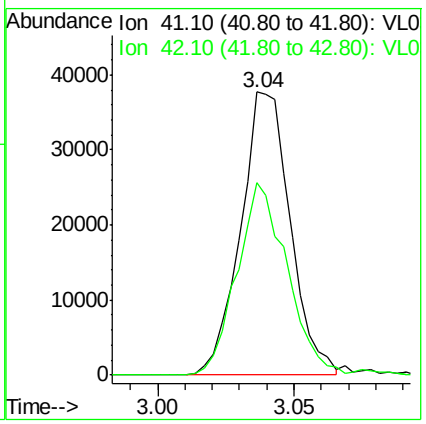


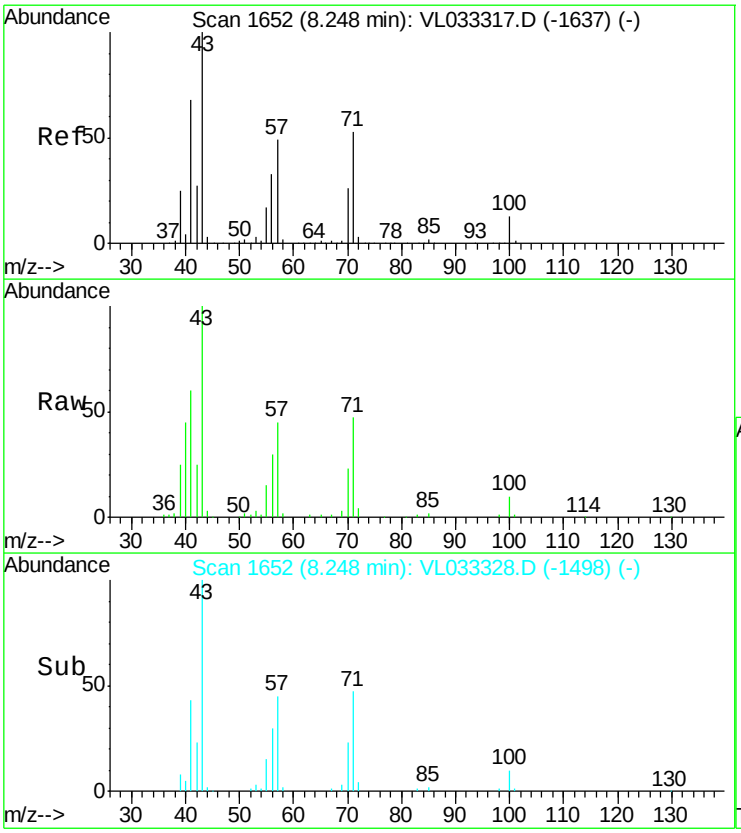
#9
Propene
Concen: 1.073 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 47538

Ion	Ratio	Lower	Upper
41	100		
42	69.6	55.2	82.8

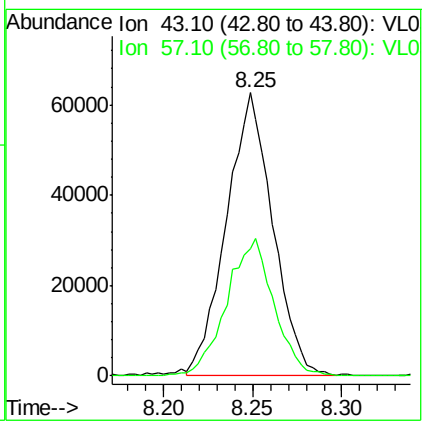


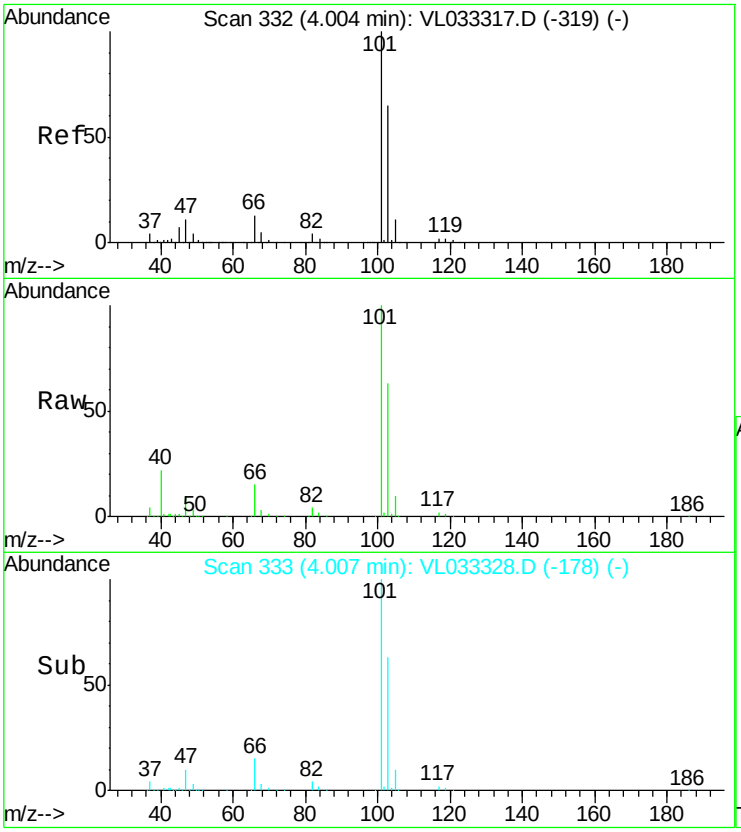


#10
Heptane
Concen: 1.007 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 43 Resp: 112718

Ion	Ratio	Lower	Upper
43	100		
57	49.9	40.4	60.6



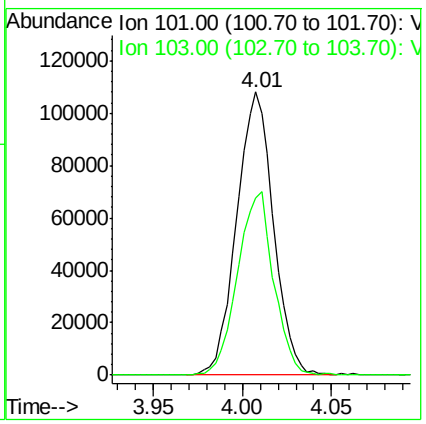


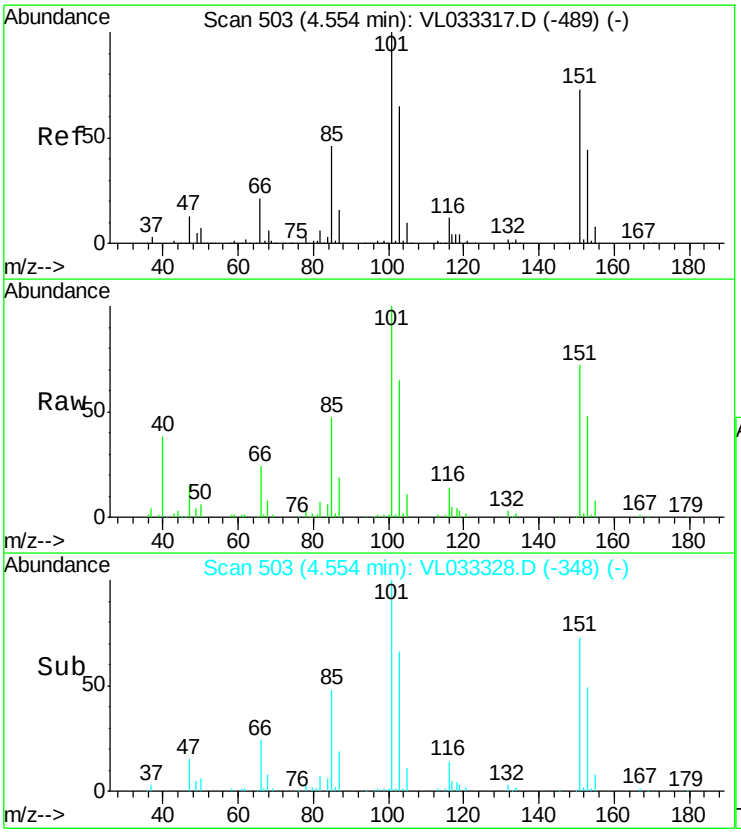
#11
Trichlorofluoromethane
Concen: 1.049 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 155765

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.9	79.3

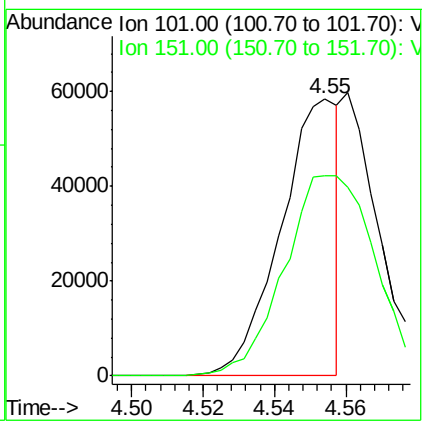


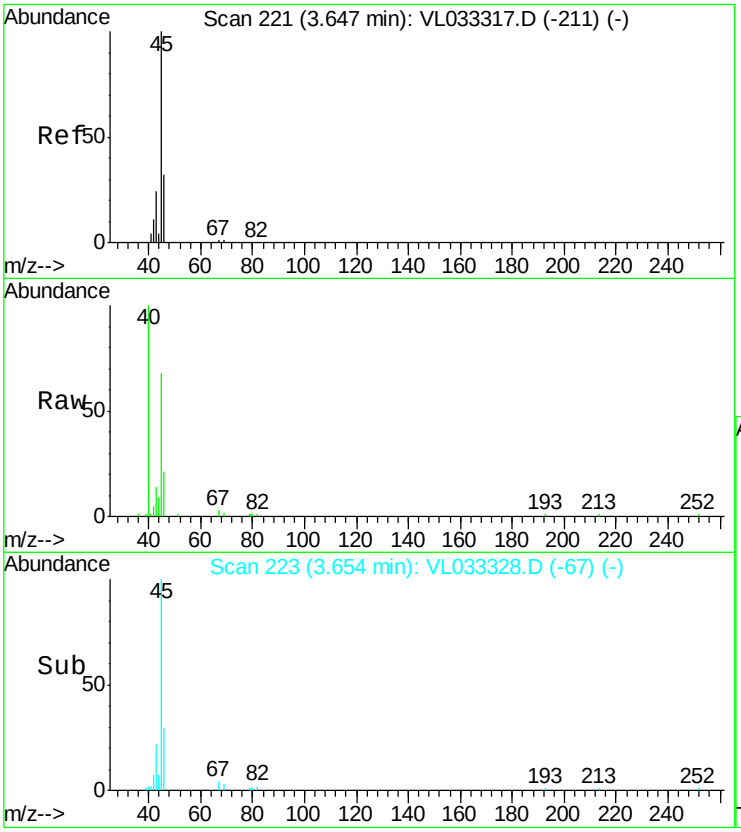


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.671 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:101 Resp: 65316

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.3	84.5#



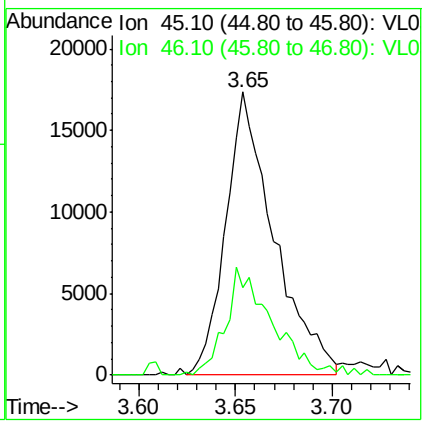


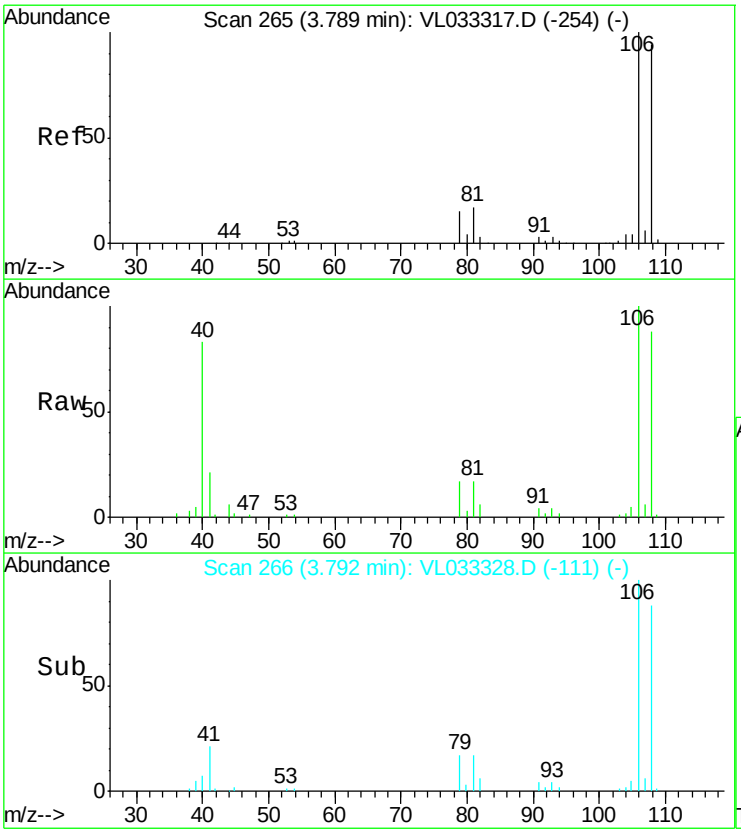
#13
Ethanol
Concen: 1.951 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 30065

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.9	59.7

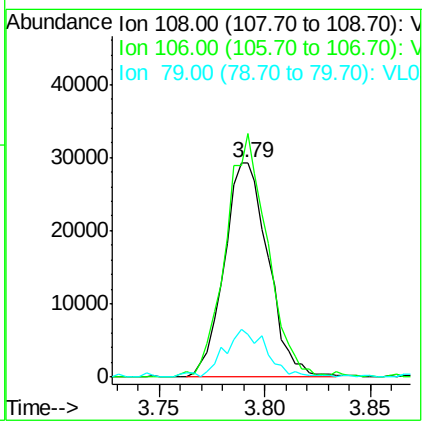


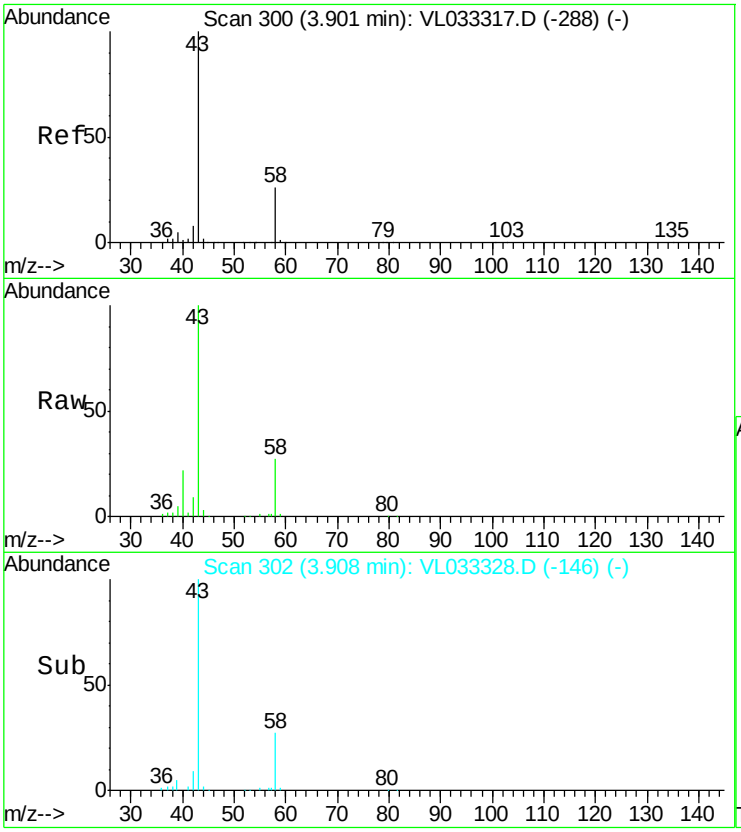


#14
Bromoethene
Concen: 1.031 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:108 Resp: 42411

Ion	Ratio	Lower	Upper
108	100		
106	108.9	86.2	129.2
79	22.3	15.4	23.2



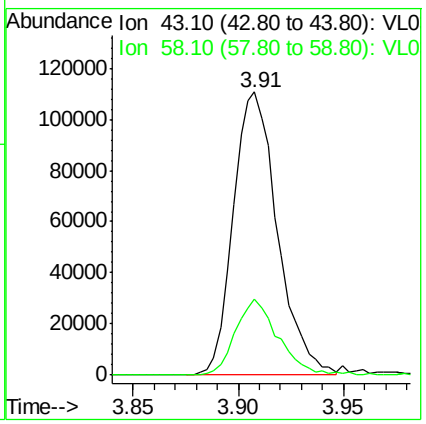


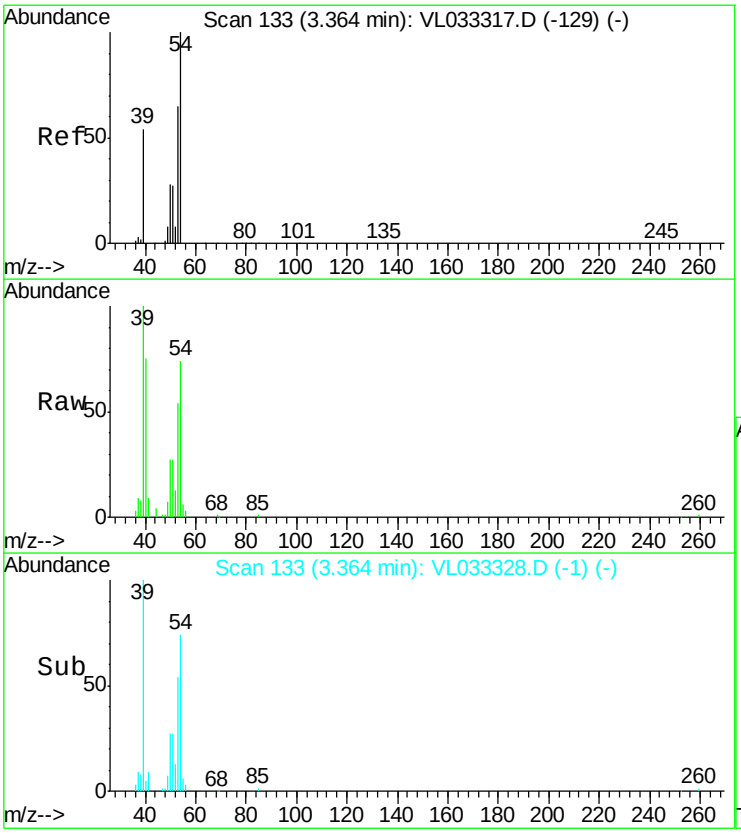
#15
Acetone
Concen: 1.209 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 159919

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.4	30.6

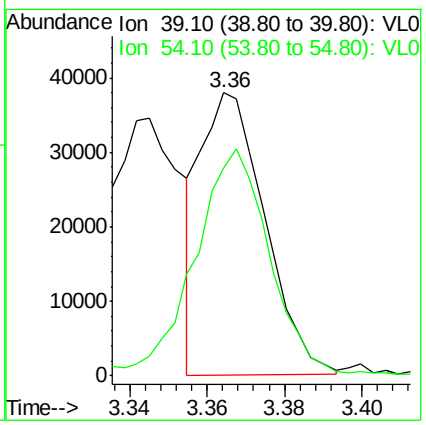


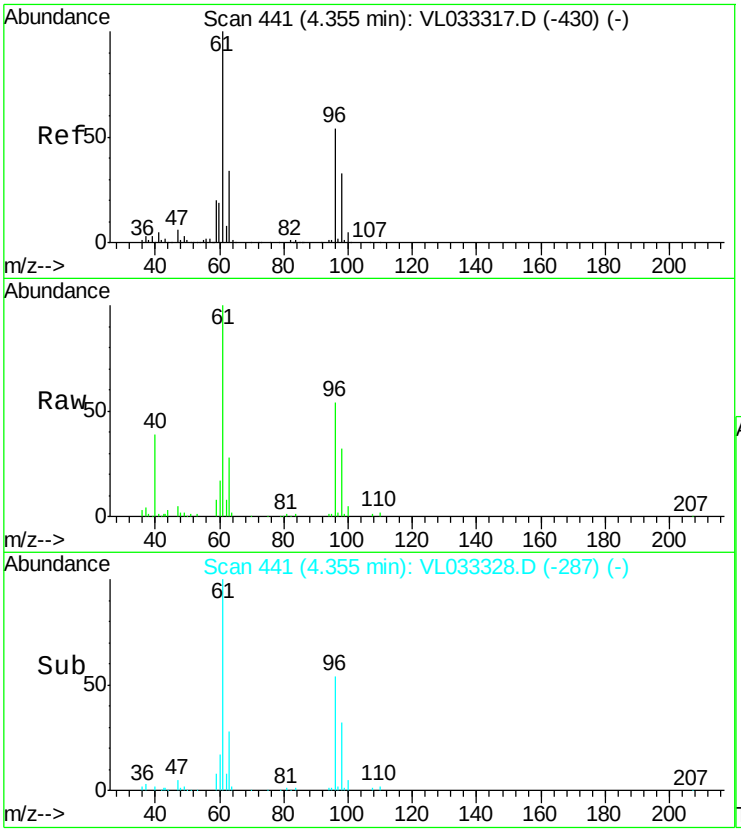


#16
1,3-Butadiene
Concen: 0.940 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 39 Resp: 43657

Ion	Ratio	Lower	Upper
39	100		
54	95.1	76.8	115.2



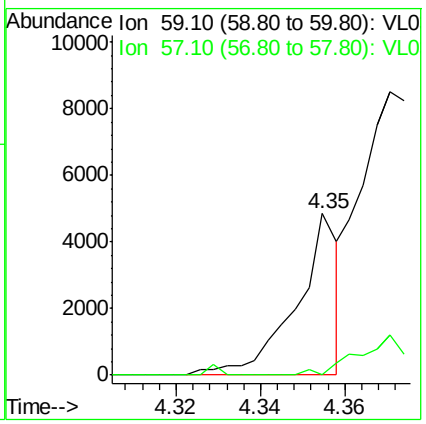


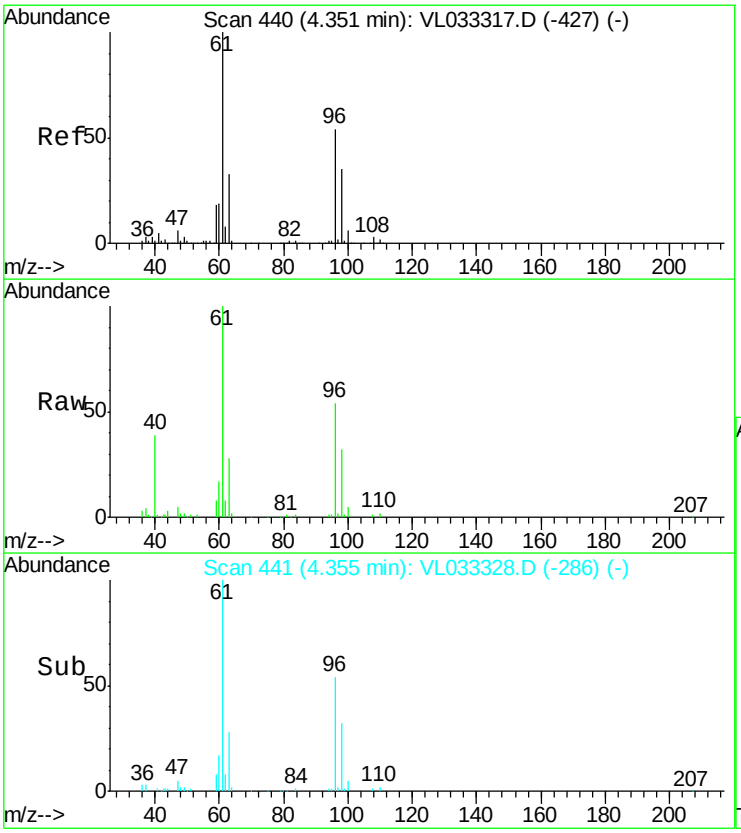
#17
tert-Butyl alcohol
Concen: 0.178 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3358

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

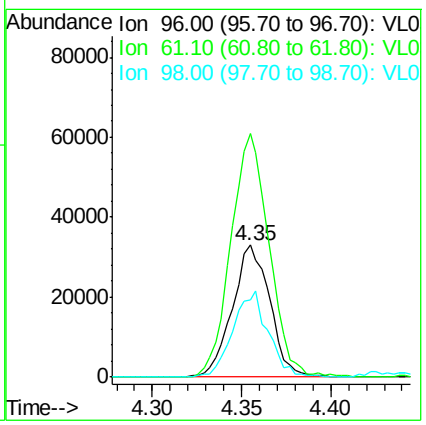


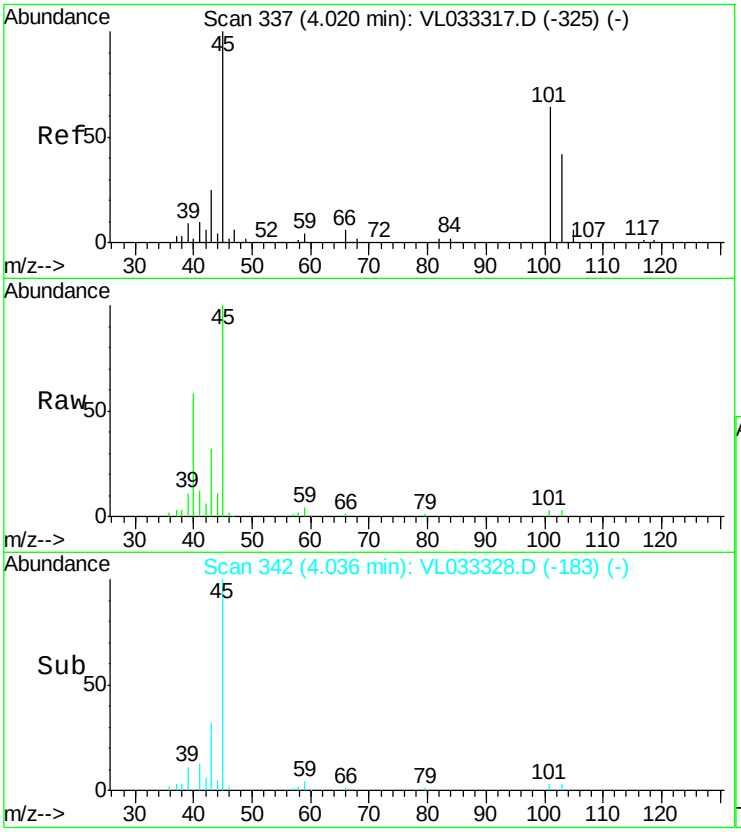


#18
1,1-Dichloroethene
Concen: 1.119 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 96 Resp: 48222

Ion	Ratio	Lower	Upper
96	100		
61	184.2	148.6	222.8
98	58.6	50.3	75.5



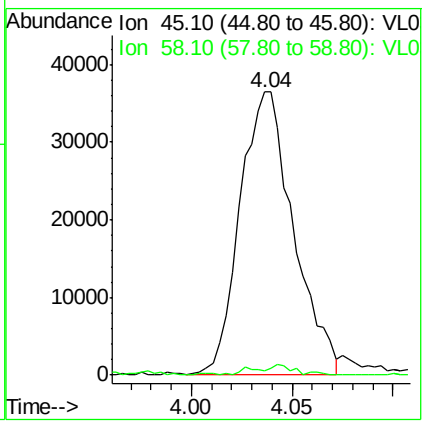


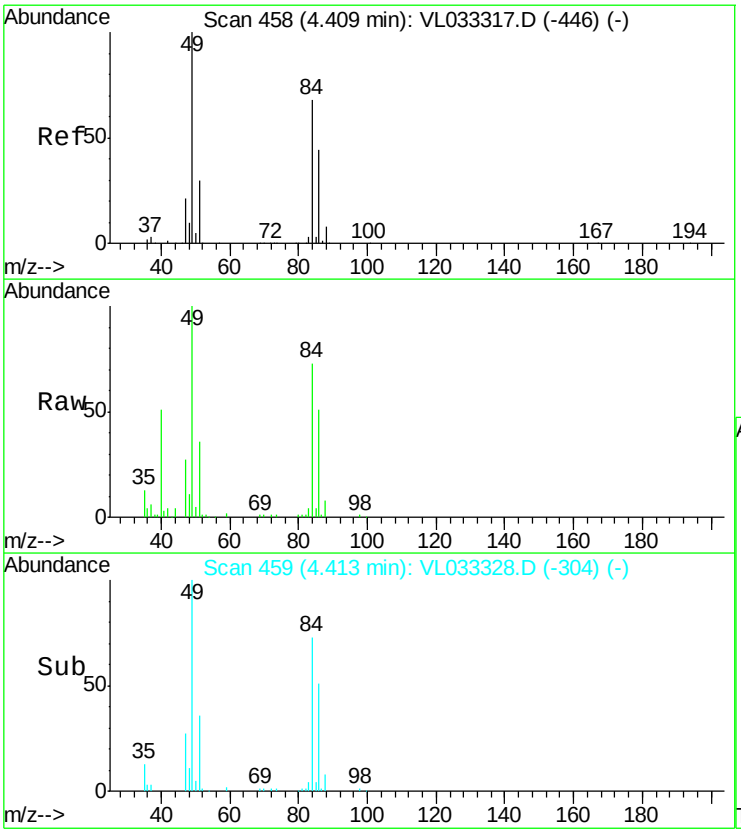
#19
Isopropyl Alcohol
Concen: 1.019 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 67629

Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.5	2.3#

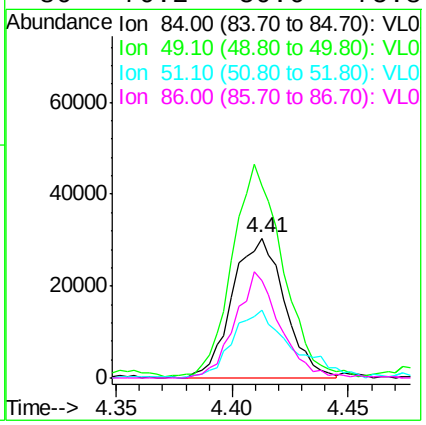


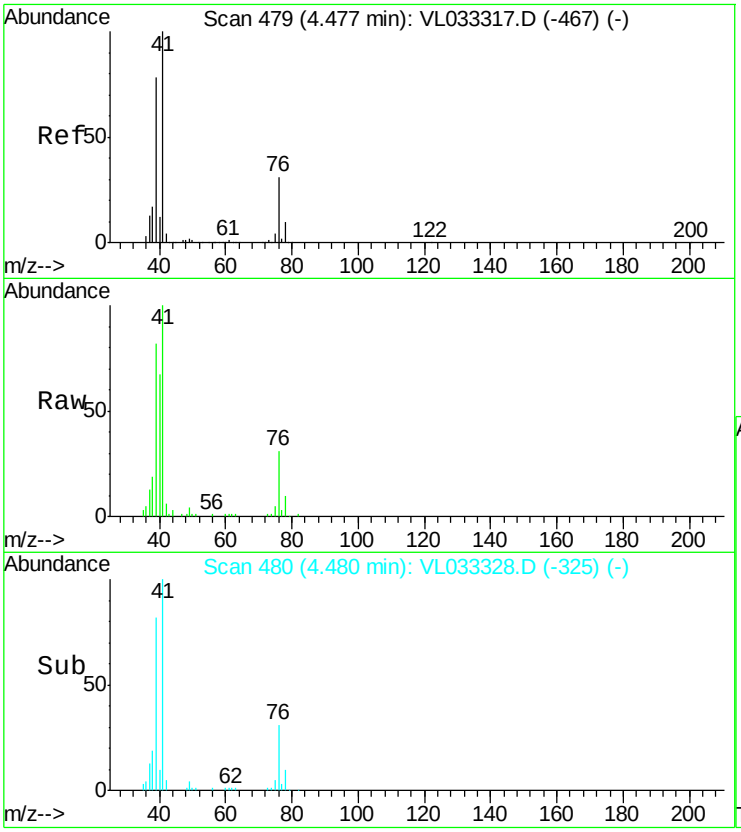


#20
Methylene Chloride
Concen: 1.127 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 84 Resp: 47757

Ion	Ratio	Lower	Upper
84	100		
49	134.2	115.4	173.0
51	47.7	35.8	53.6
86	70.2	50.6	75.8



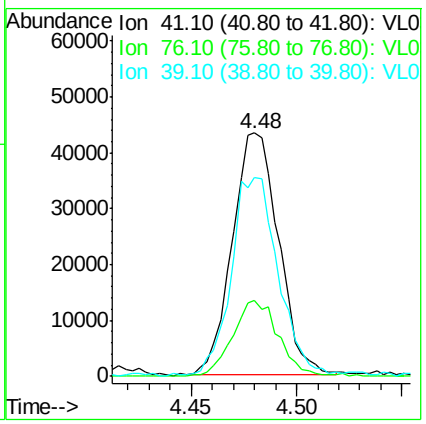


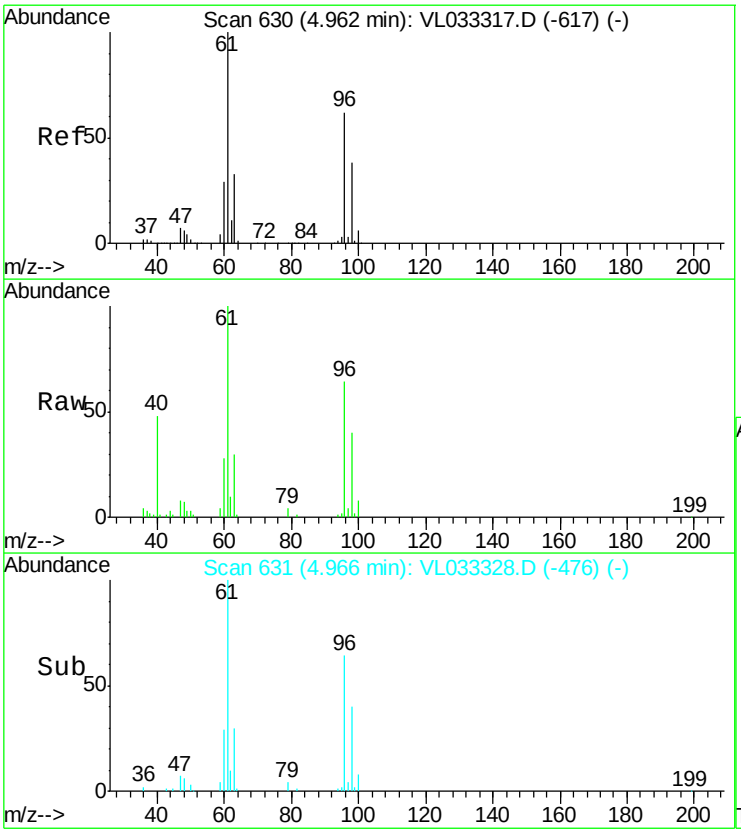
#21
Allyl Chloride
Concen: 1.005 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 65782

Ion	Ratio	Lower	Upper
41	100		
76	31.0	25.0	37.4
39	85.2	65.9	98.9

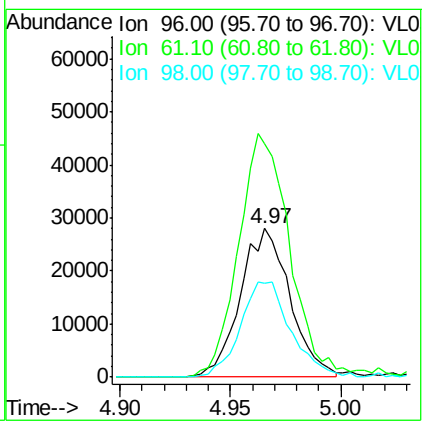


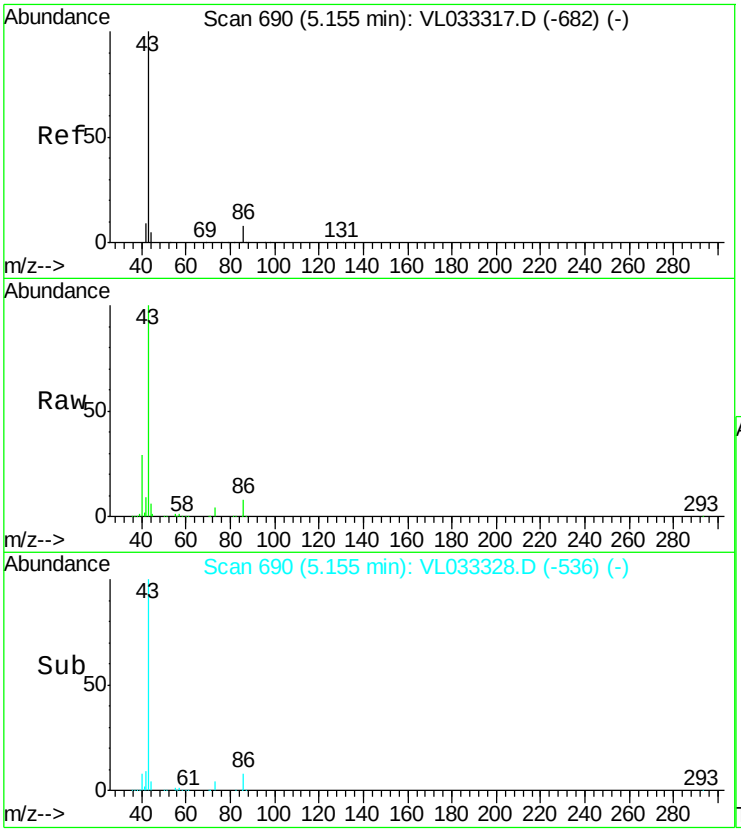


#22
trans-1,2-Dichloroethene
Concen: 1.025 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 96 Resp: 43874

Ion	Ratio	Lower	Upper
96	100		
61	156.7	130.0	195.0
98	63.0	50.0	75.0



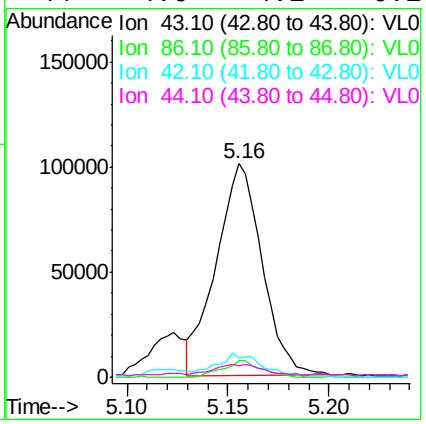


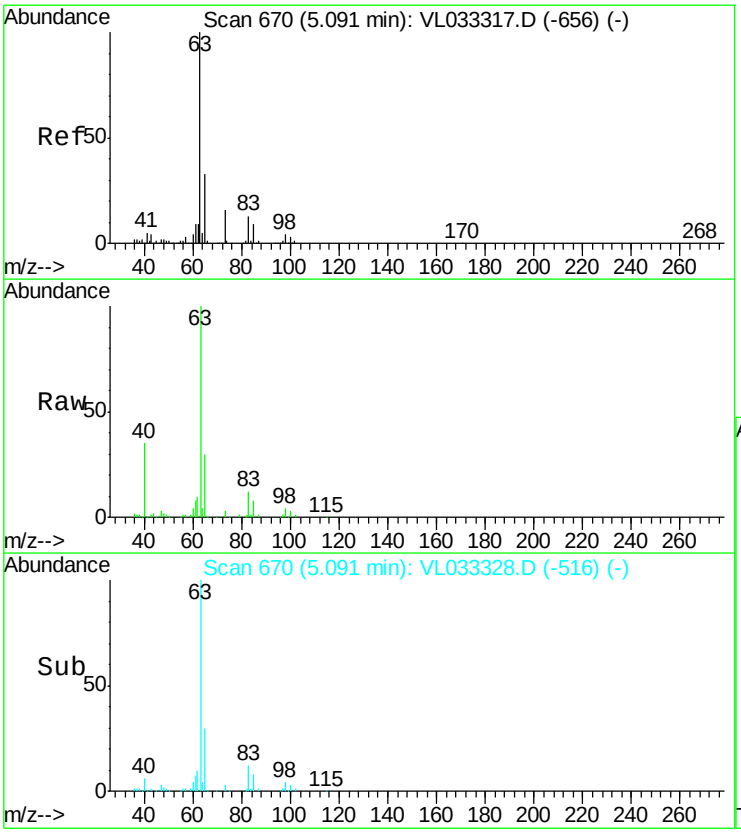
#23
Vinyl Acetate
Concen: 1.040 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 160665

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	8.9	8.1	12.1
44	4.6	4.1	6.1

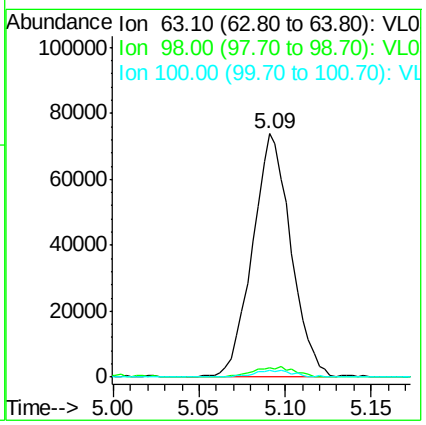


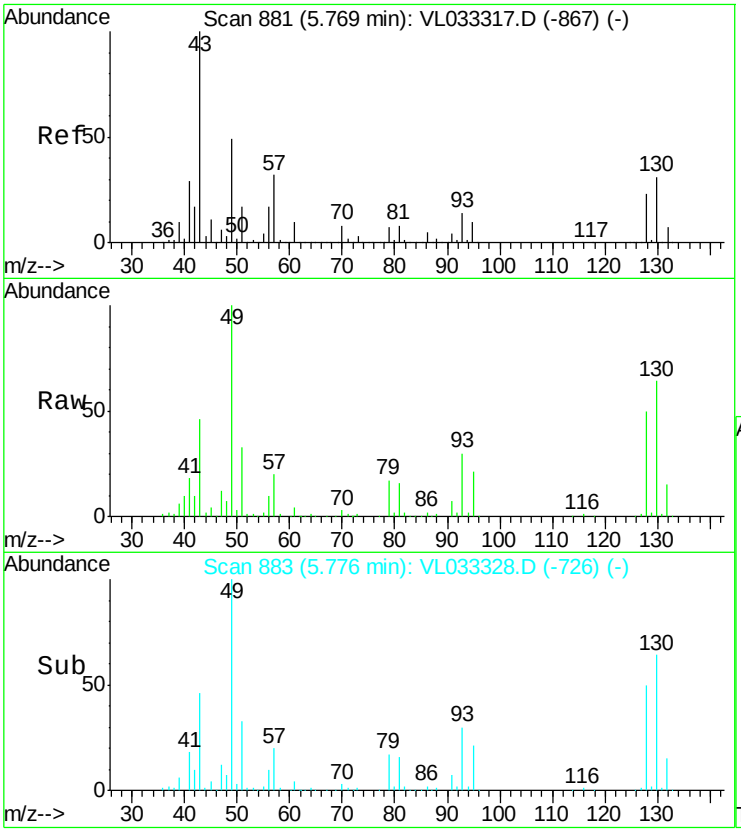


#24
1,1-Dichloroethane
Concen: 1.042 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 63 Resp: 114626

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.1
100	2.5	1.3	3.8



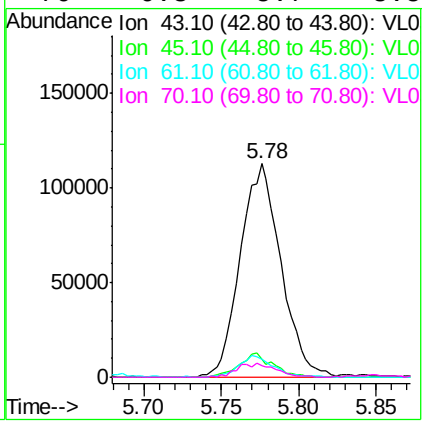


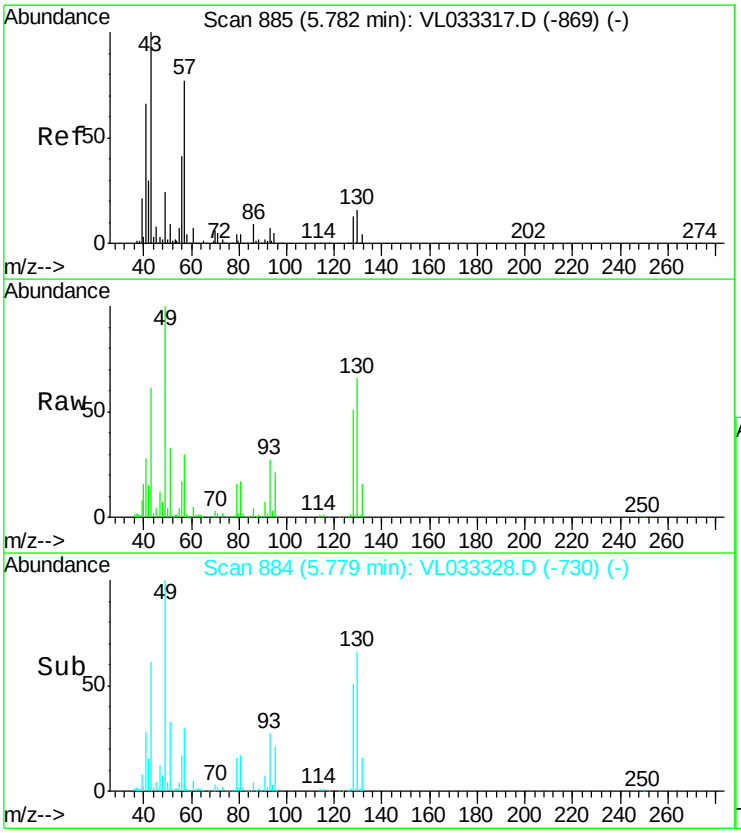
#25
Ethyl Acetate
Concen: 1.079 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 206465

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	8.8	7.4	11.2
70	6.3	5.7	8.5

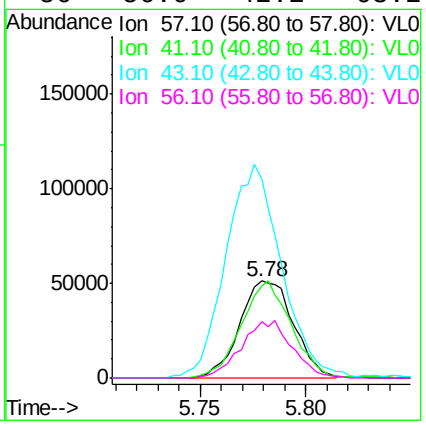


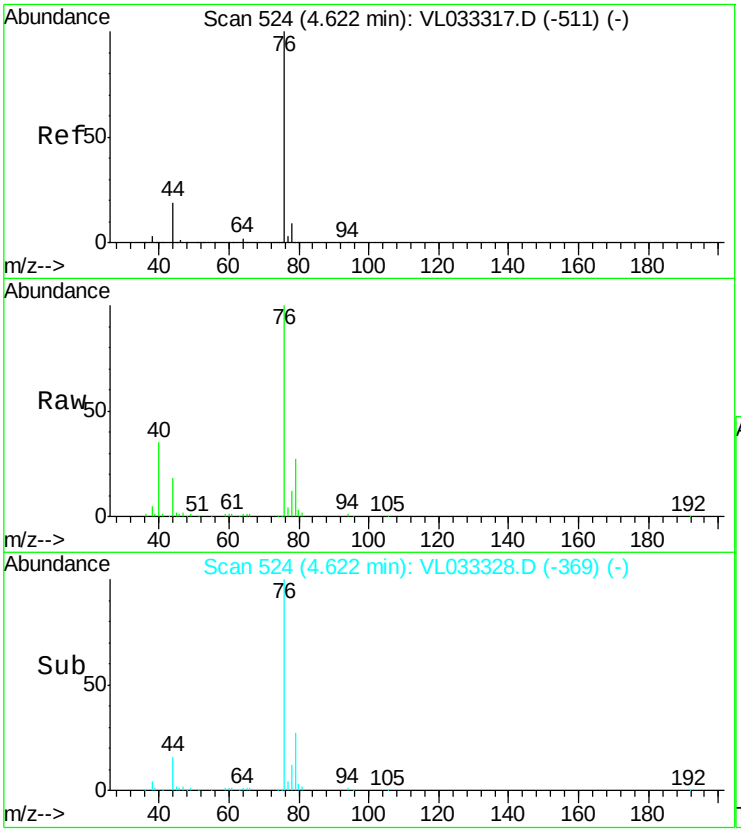


#26
Hexane
Concen: 1.036 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 57 Resp: 90742

Ion	Ratio	Lower	Upper
57	100		
41	94.5	70.5	105.7
43	229.9	181.8	272.8
56	56.0	42.2	63.2



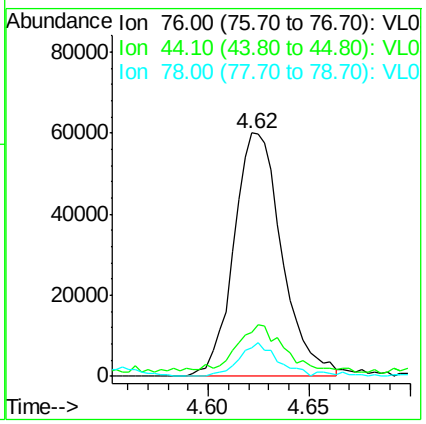


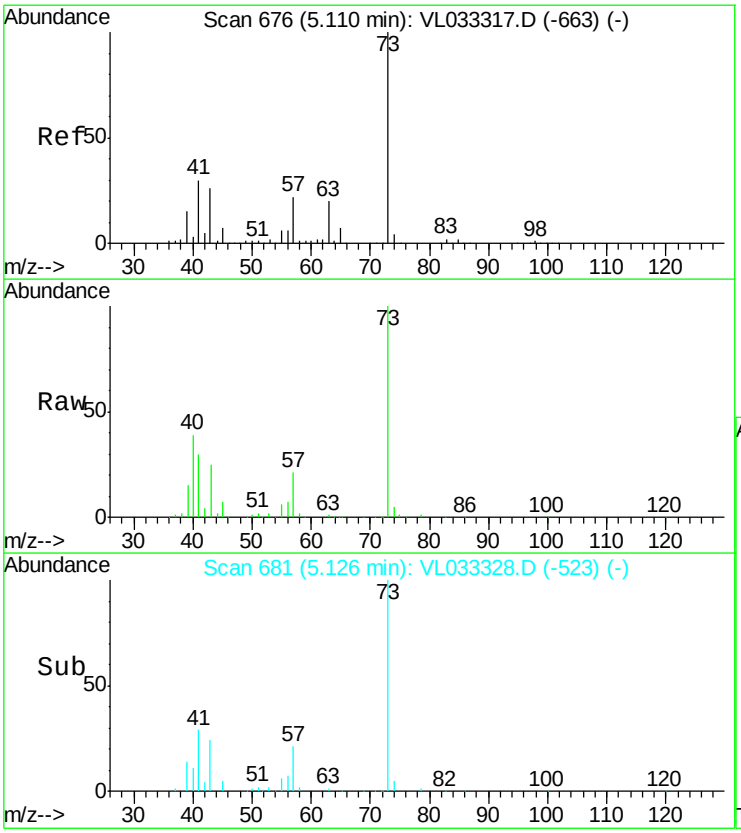
#27
Carbon Disulfide
Concen: 1.015 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 100268

Ion	Ratio	Lower	Upper
76	100		
44	22.2	15.2	22.8
78	12.0	7.2	10.8#

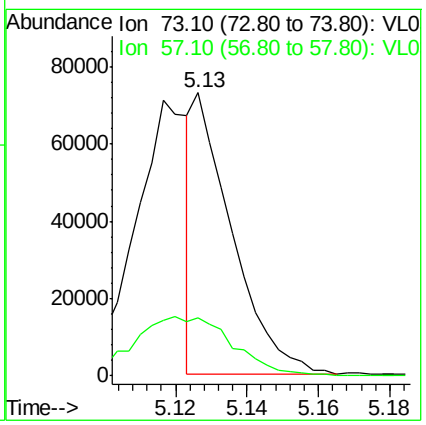


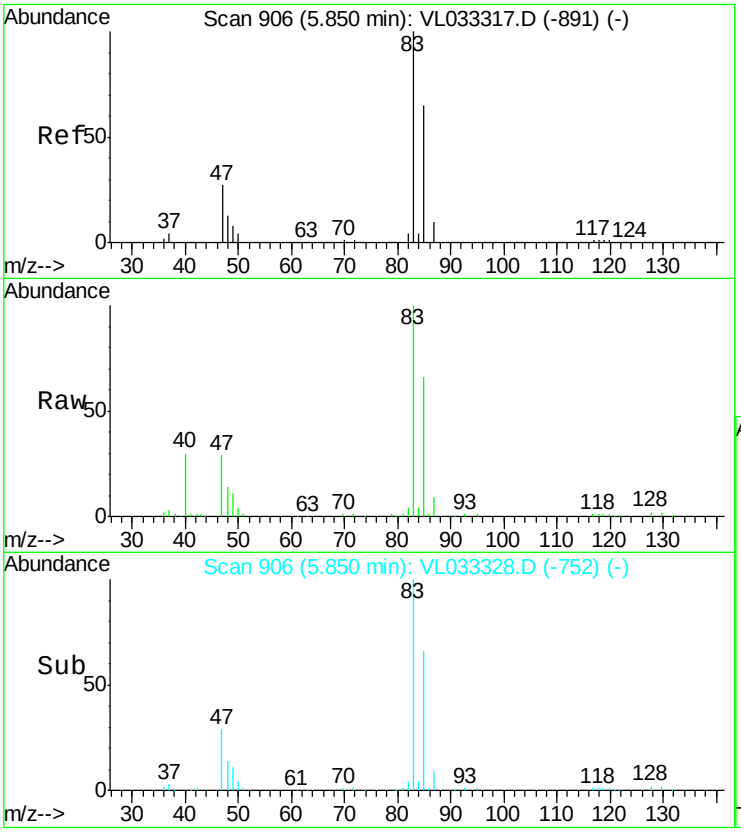


#28
Methyl tert-Butyl Ether
Concen: 0.435 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 73 Resp: 54886

Ion	Ratio	Lower	Upper
73	100		
57	18.3	17.4	26.0



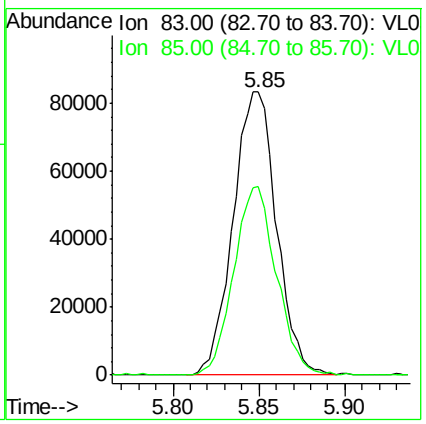


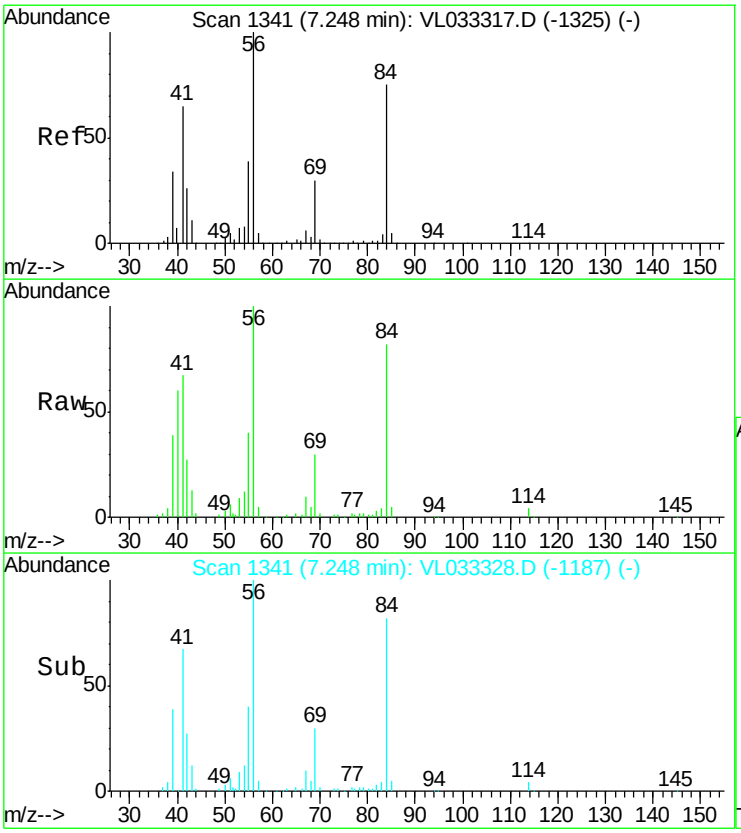
#29
Chloroform
Concen: 1.025 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 146259

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0

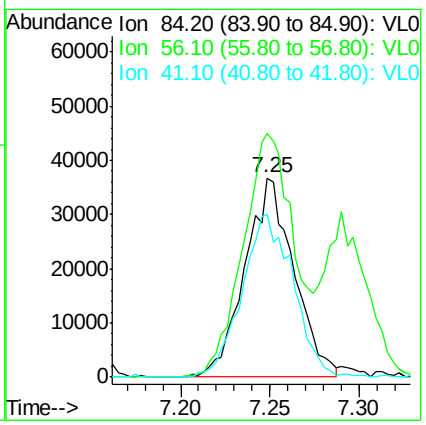


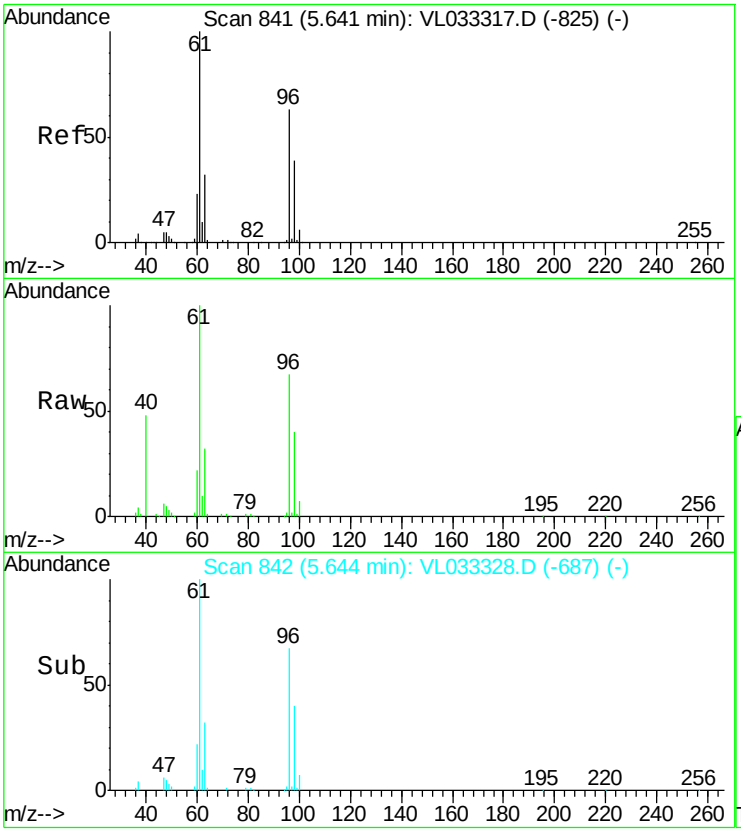


#30
Cyclohexane
Concen: 1.013 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 84 Resp: 70255

Ion	Ratio	Lower	Upper
84	100		
56	127.5	111.3	166.9
41	85.8	69.6	104.4



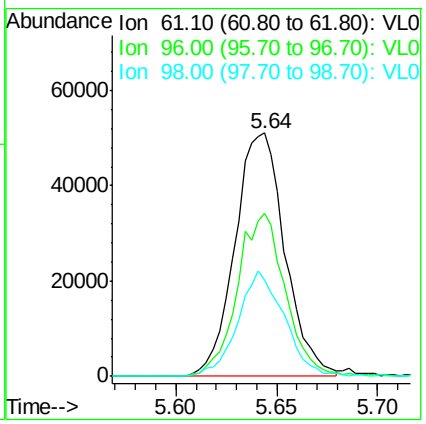


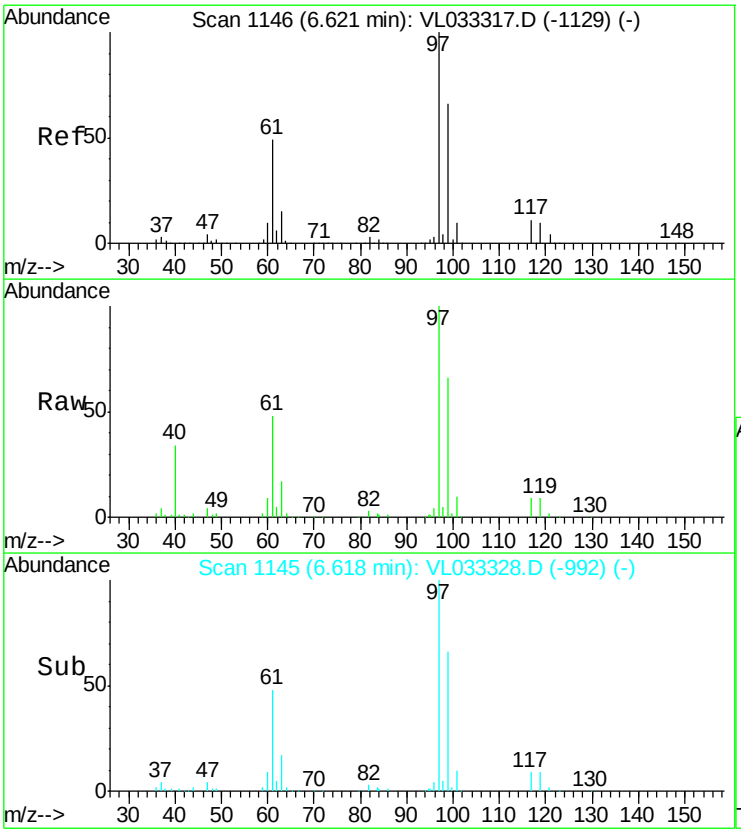
#31
cis-1,2-Dichloroethene
Concen: 1.020 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 88550

Ion	Ratio	Lower	Upper
61	100		
96	66.8	50.3	75.5
98	39.6	31.5	47.3

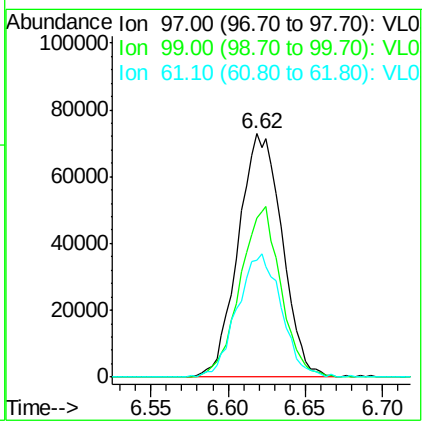


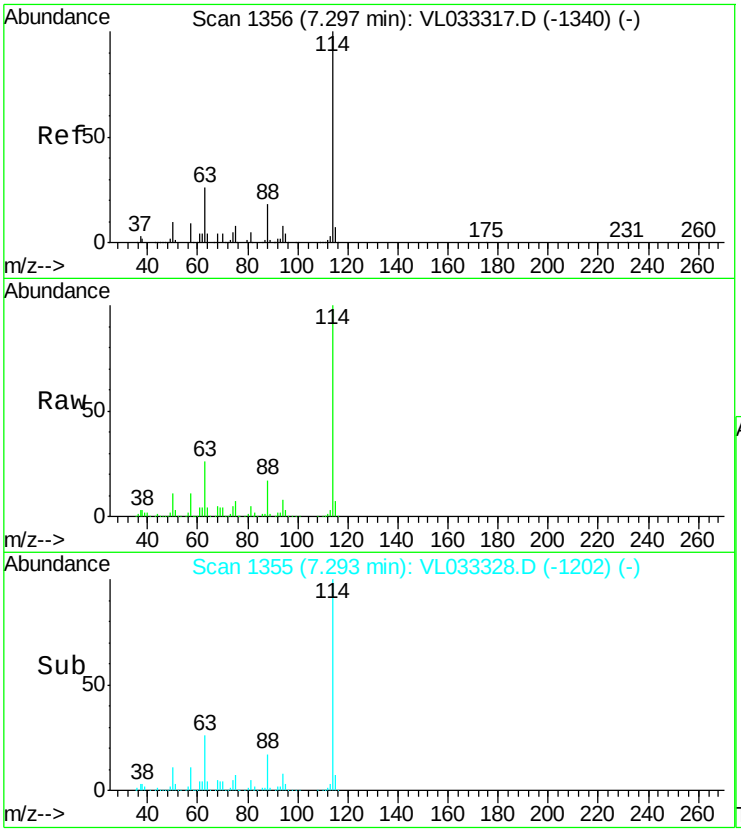


#32
1,1,1-Trichloroethane
Concen: 1.013 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 97 Resp: 143564

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	50.8	39.3	58.9



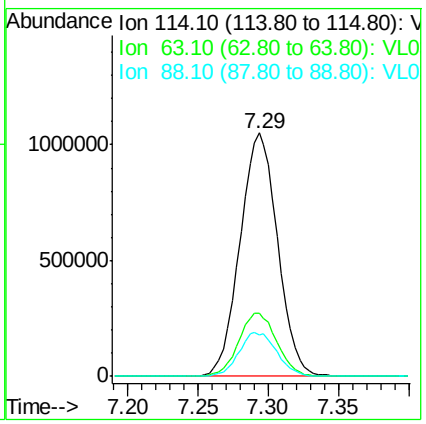


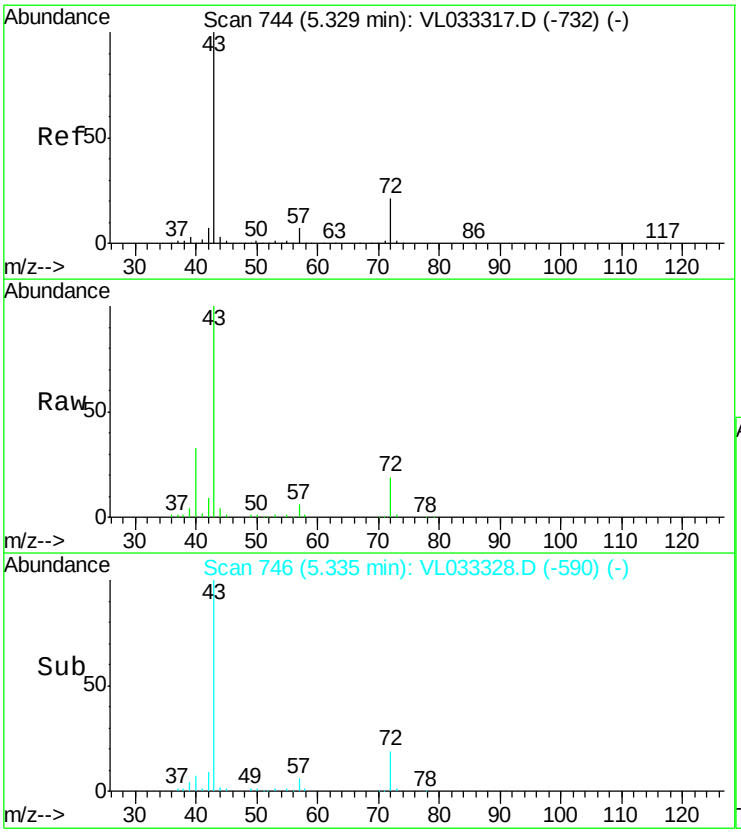
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 1962270

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.4	32.2
88	18.1	14.5	21.7

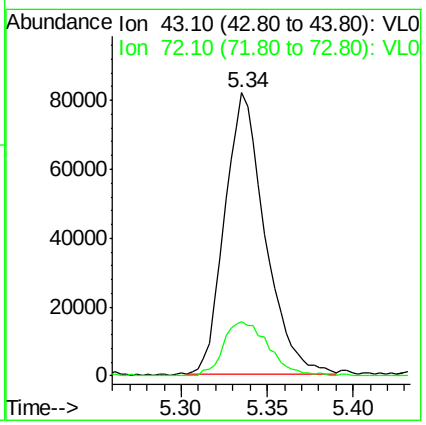


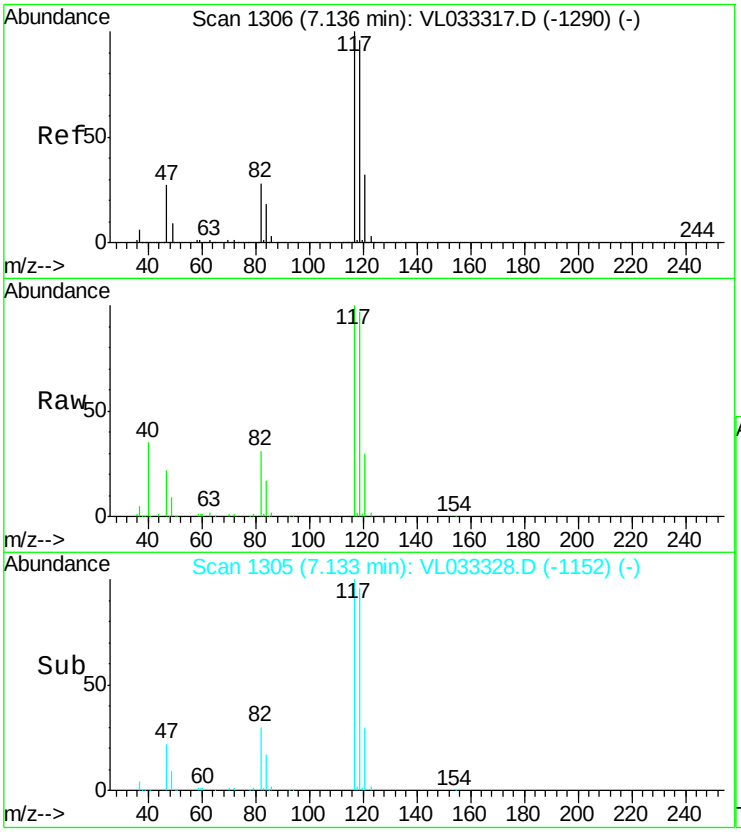


#34
2-Butanone
Concen: 1.079 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 43 Resp: 134340

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5



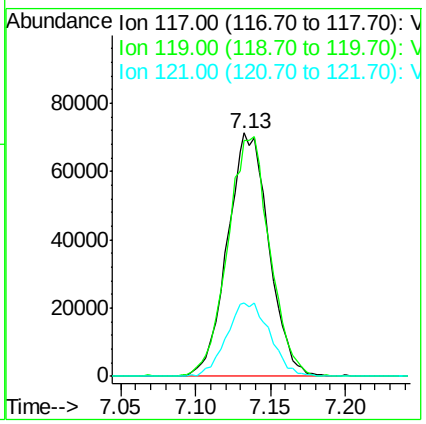


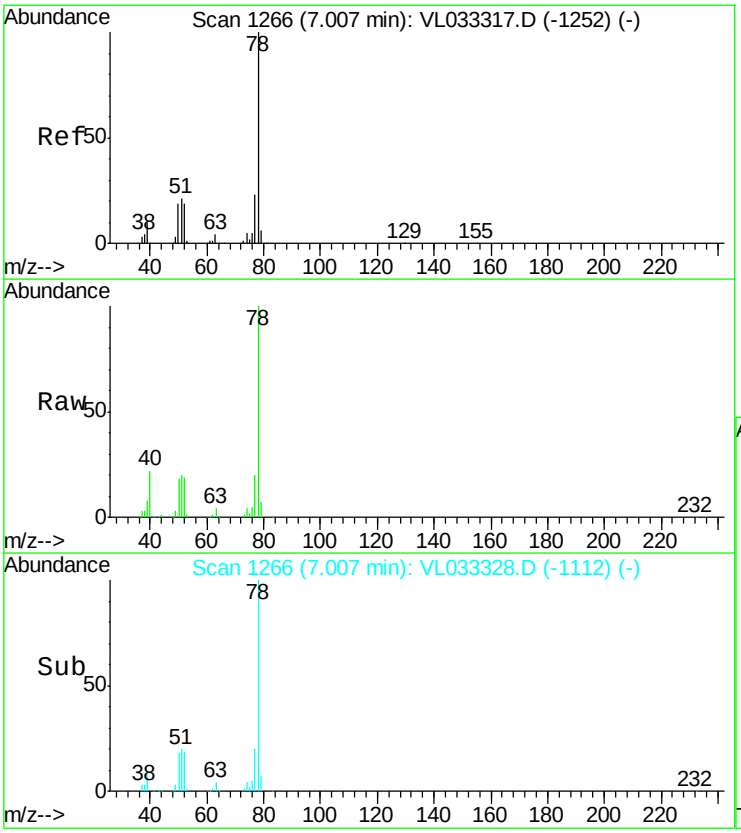
#35
Carbon Tetrachloride
Concen: 0.972 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 137689

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
121	30.3	24.9	37.3

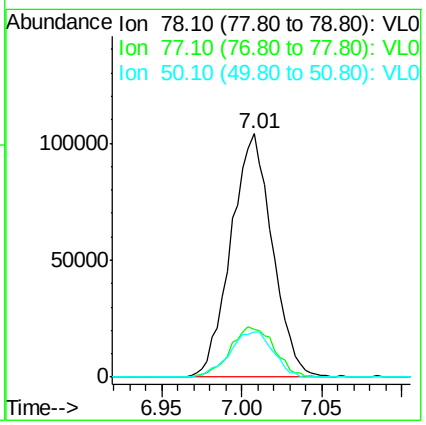


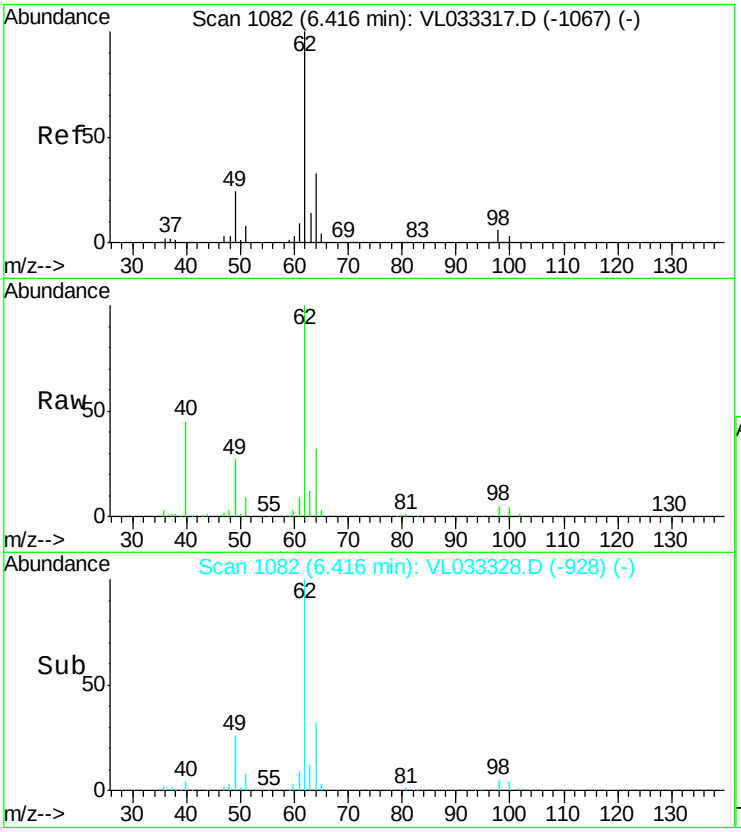


#36
Benzene
Concen: 1.045 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 78 Resp: 183251

Ion	Ratio	Lower	Upper
78	100		
77	19.3	18.1	27.1
50	18.4	15.2	22.8



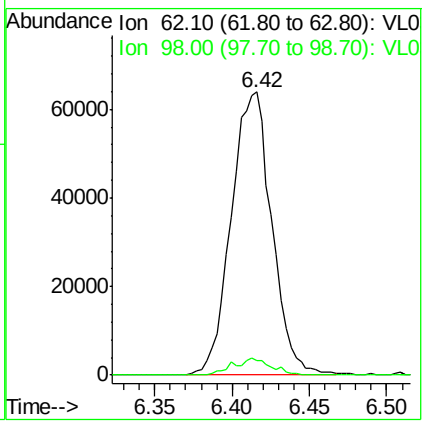


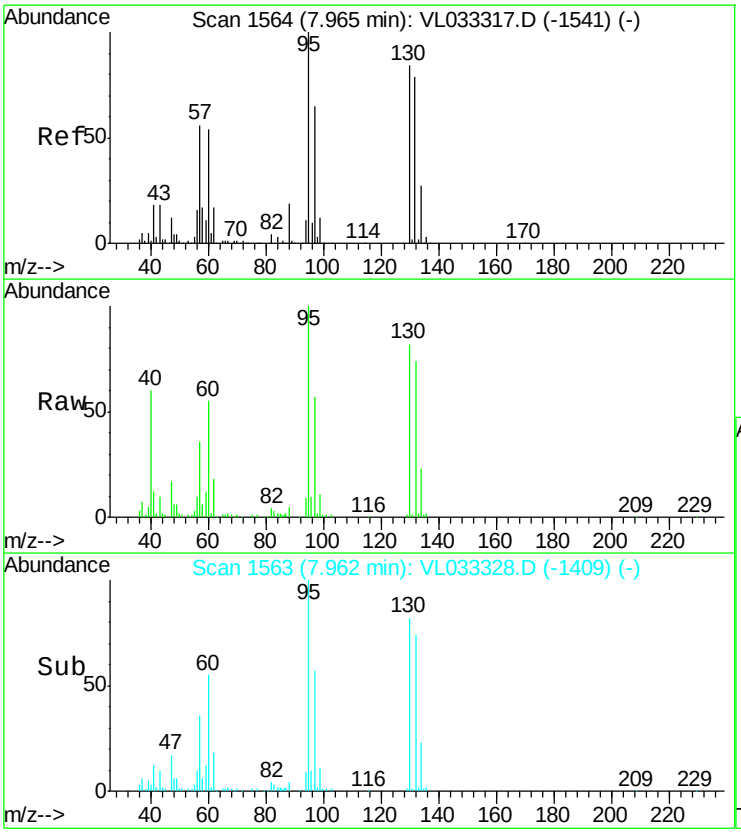
#37
1,2-Dichloroethane
Concen: 1.064 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 116372

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

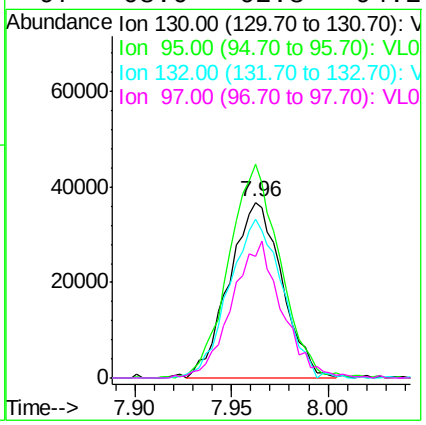


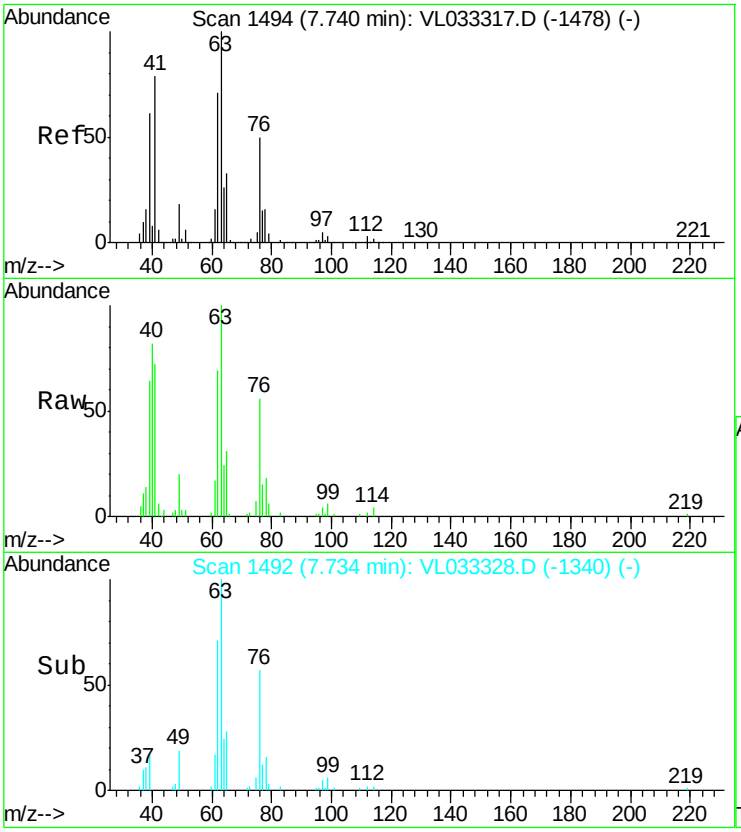


#38
Trichloroethene
Concen: 1.012 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:130 Resp: 69884

Ion	Ratio	Lower	Upper
130	100		
95	119.7	95.2	142.8
132	89.9	77.7	116.5
97	68.0	62.8	94.2



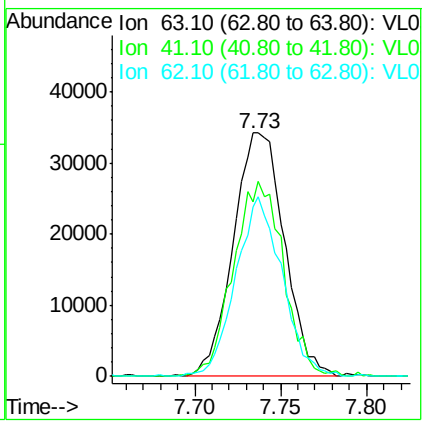


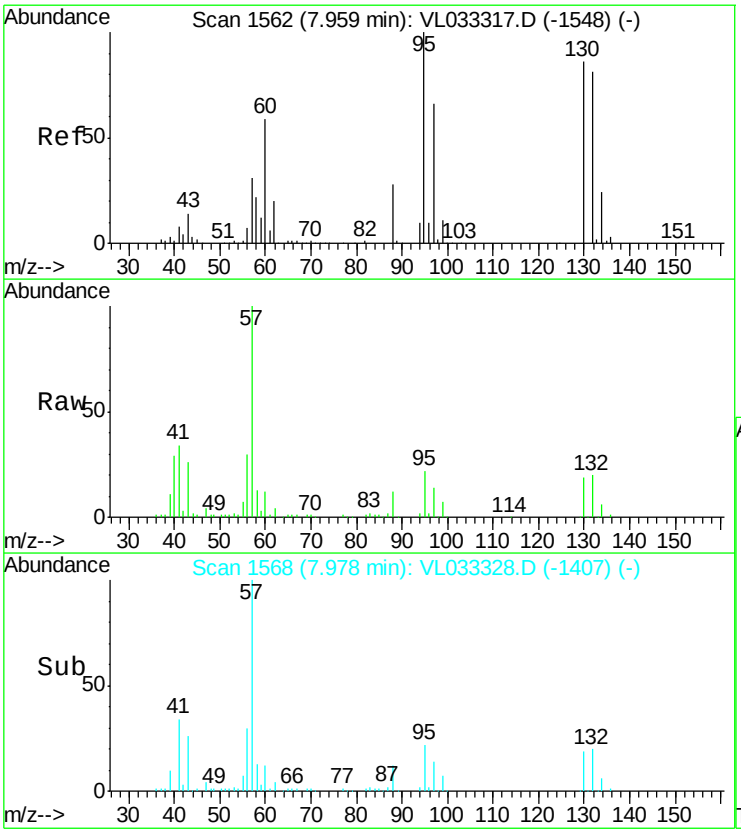
#39
1,2-Dichloropropane
Concen: 1.061 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 70822

Ion	Ratio	Lower	Upper
63	100		
41	71.3	59.5	89.3
62	68.0	54.7	82.1

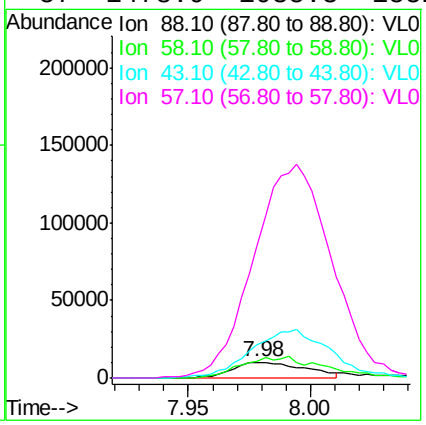


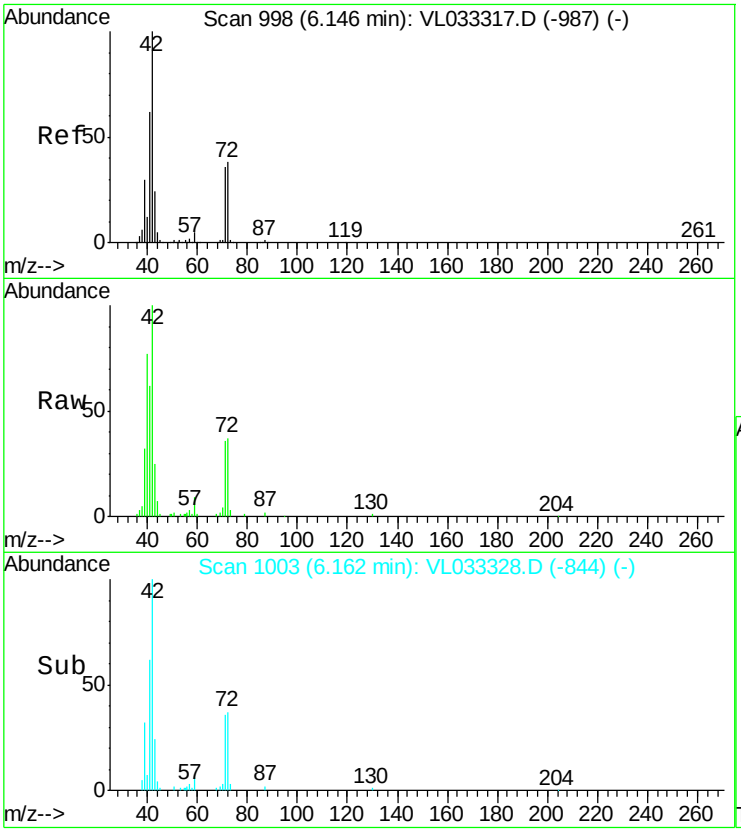


#40
1,4-Dioxane
Concen: 0.851 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 88 Resp: 20793

Ion	Ratio	Lower	Upper
88	100		
58	162.7	107.9	161.9#
43	345.1	230.8	346.2
57	1478.9	1035.3	1552.9



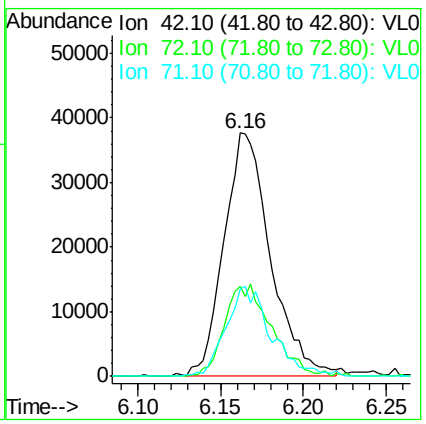


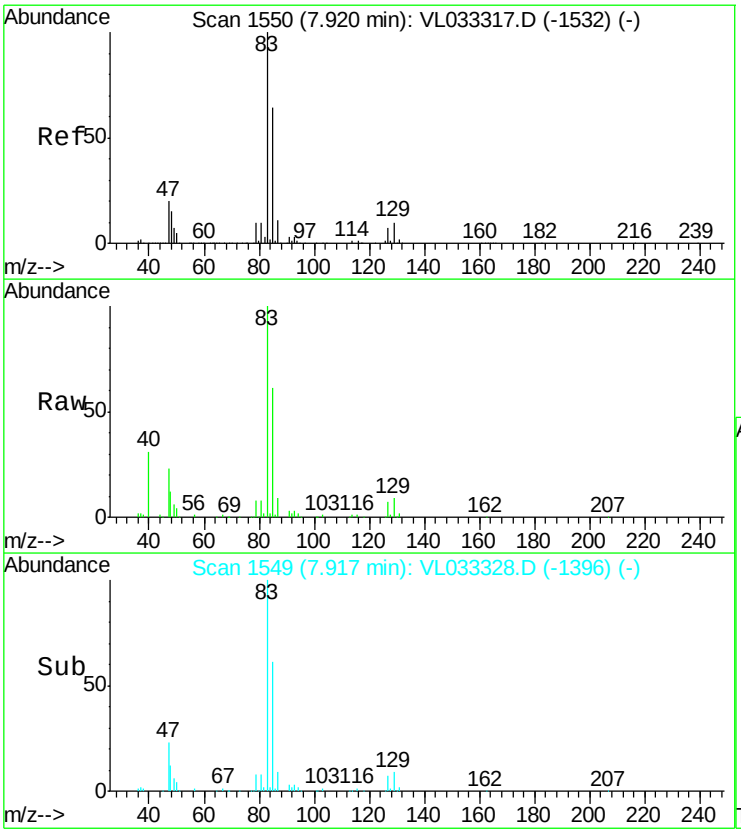
#41
Tetrahydrofuran
Concen: 1.066 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 73571

Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.6	47.4
71	35.8	29.9	44.9

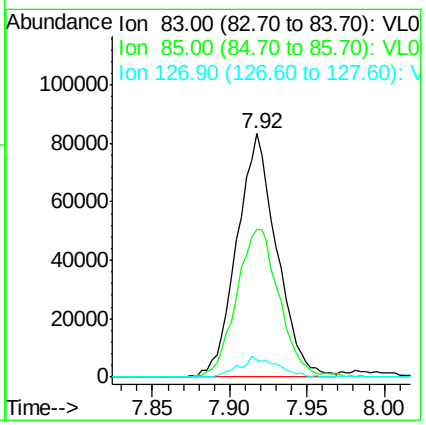


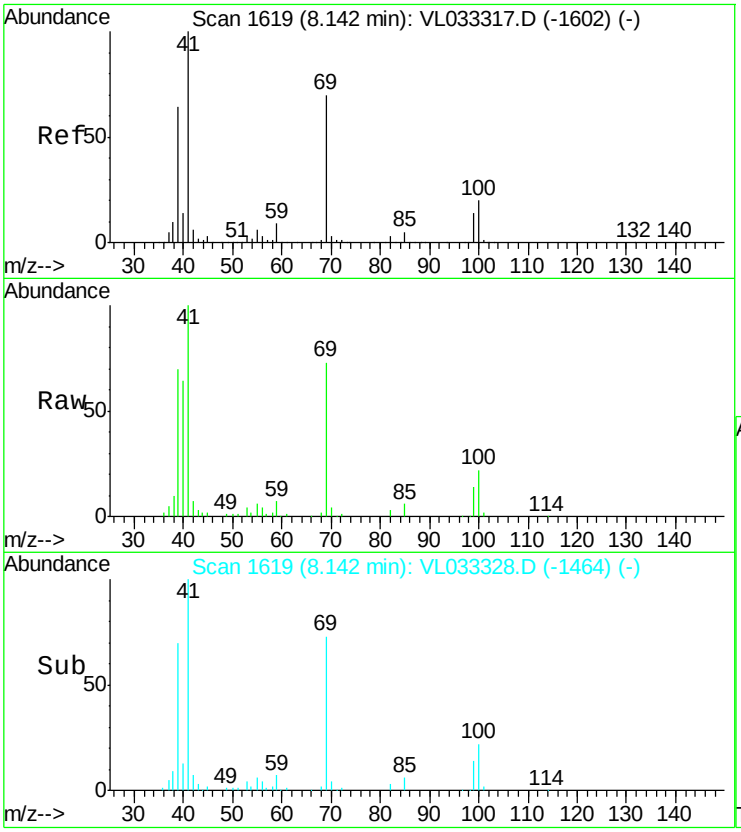


#42
Bromodichloromethane
Concen: 1.004 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 83 Resp: 149682

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.8	77.6
127	7.1	6.2	9.2



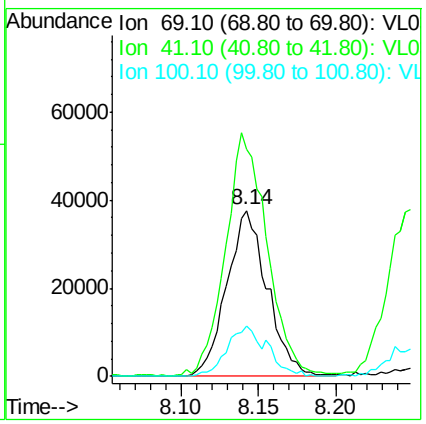


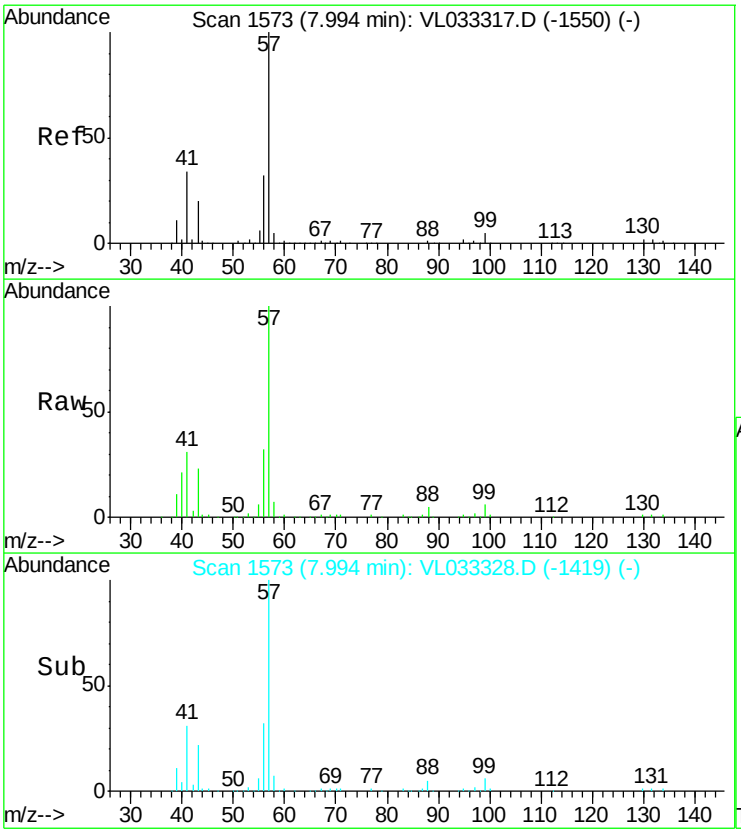
#43
Methyl Methacrylate
Concen: 1.002 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 68494

Ion	Ratio	Lower	Upper
69	100		
41	152.0	119.5	179.3
100	30.0	24.4	36.6

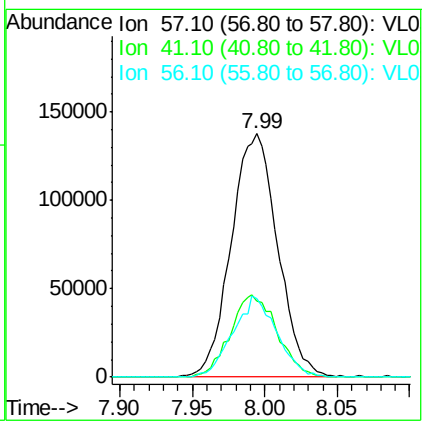


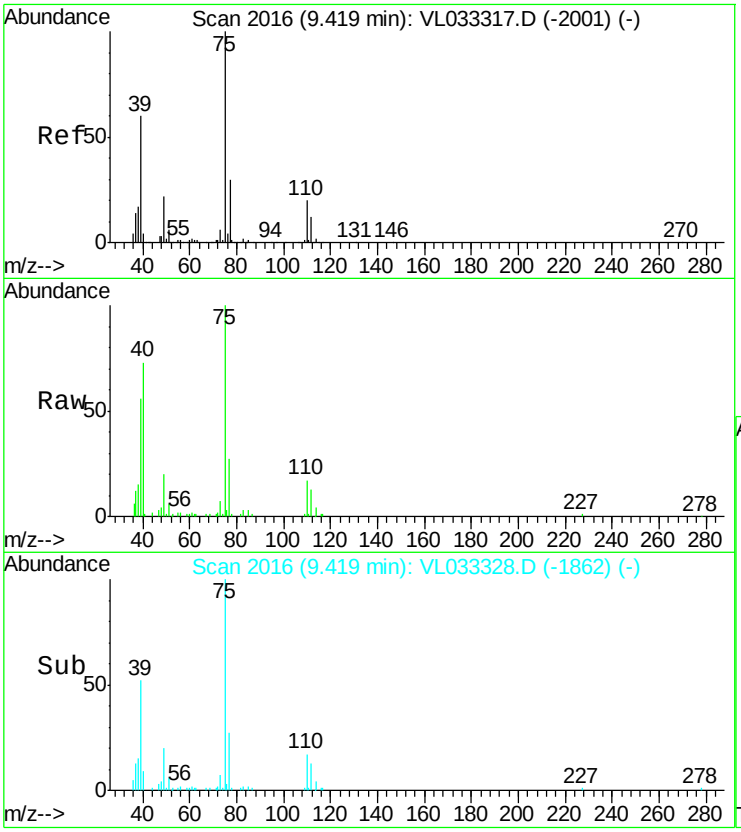


#44
2,2,4-Trimethylpentane
Concen: 1.036 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 57 Resp: 304617

Ion	Ratio	Lower	Upper
57	100		
41	34.5	26.0	39.0
56	31.6	24.6	36.8



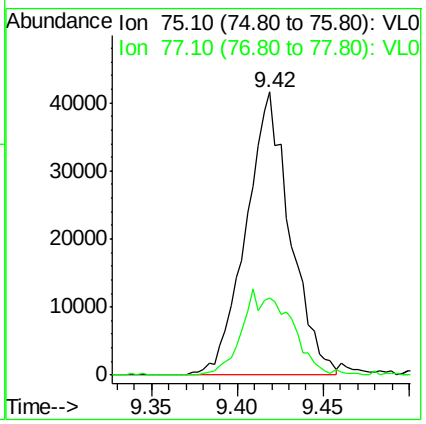


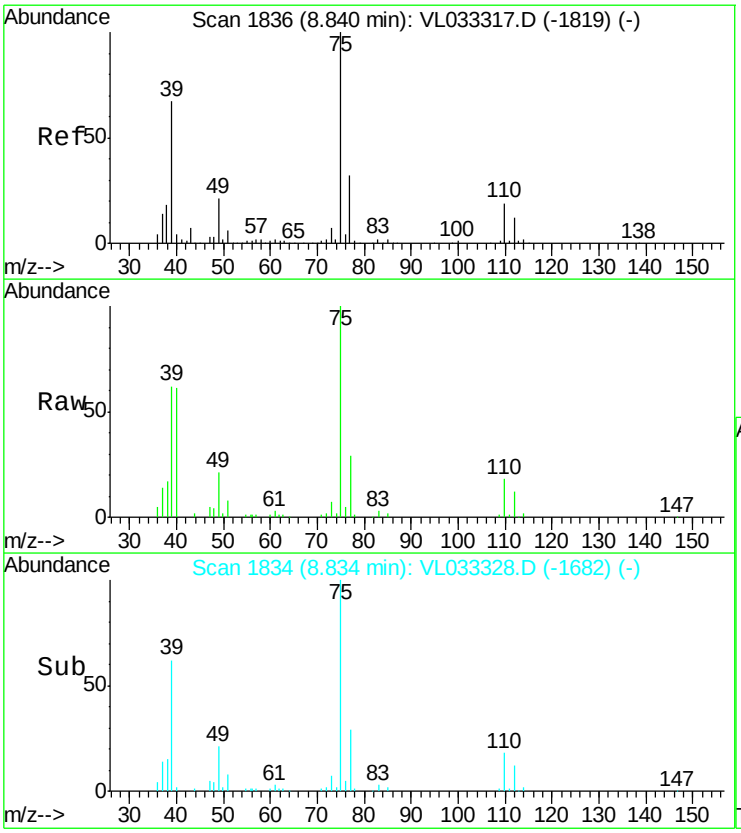
#45
t-1,3-Dichloropropene
Concen: 0.885 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 74182

Ion	Ratio	Lower	Upper
75	100		
77	27.2	25.5	38.3

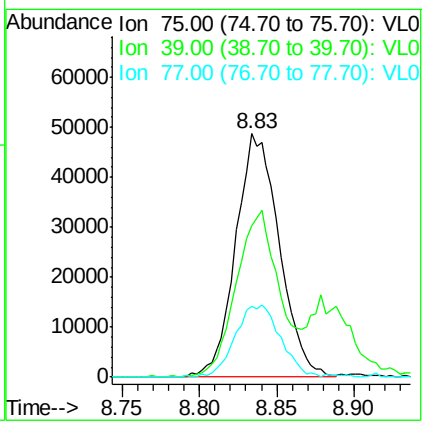


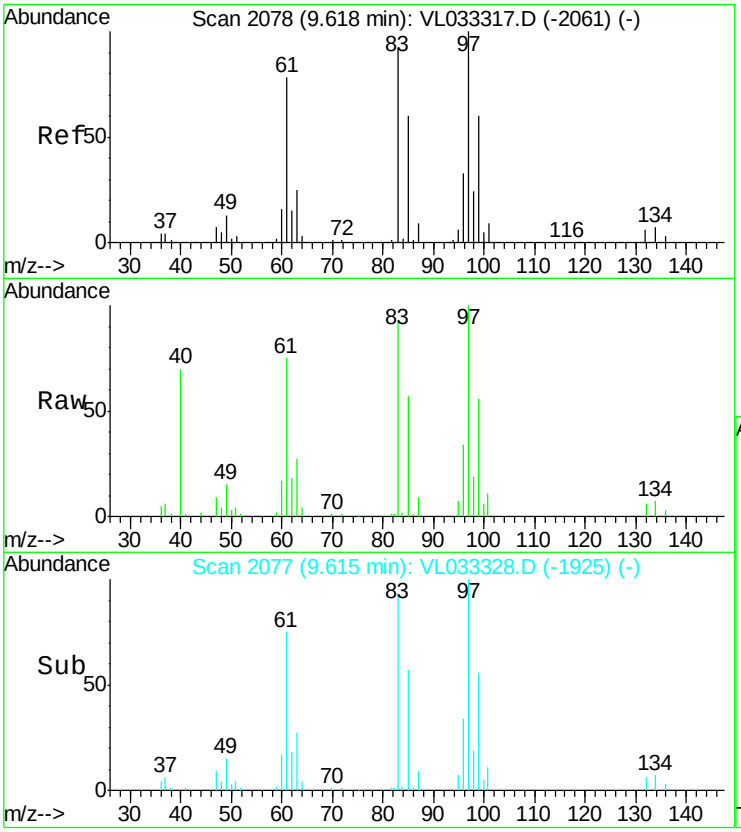


#46
cis-1,3-Dichloropropene
Concen: 0.970 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 75 Resp: 95446

Ion	Ratio	Lower	Upper
75	100		
39	61.4	55.0	82.6
77	28.4	24.5	36.7



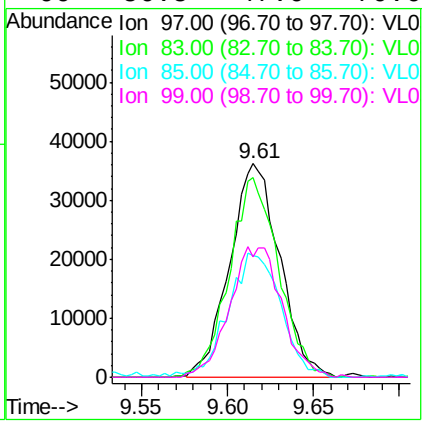


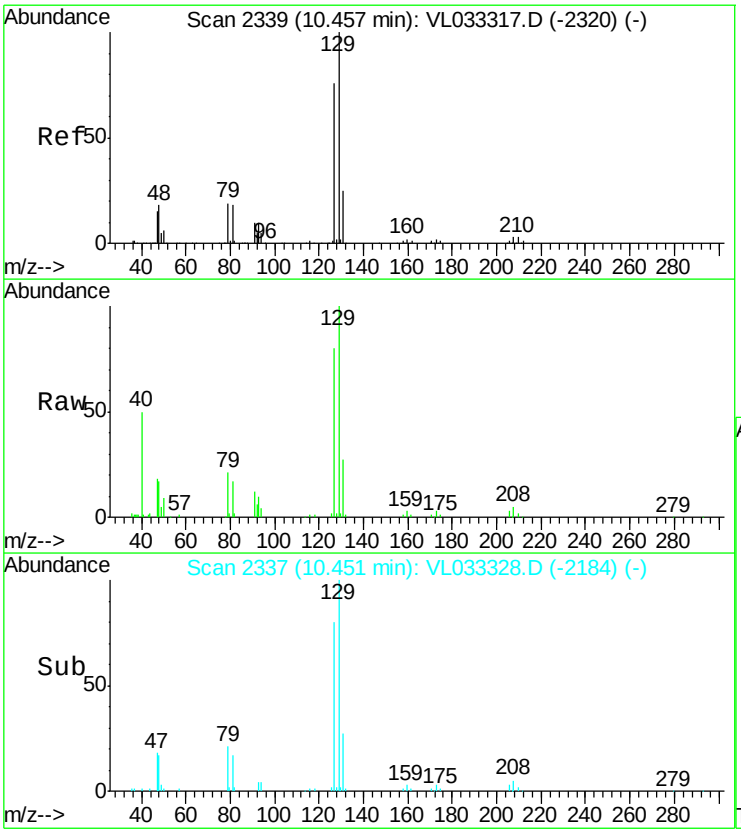
#47
1,1,2-Trichloroethane
Concen: 1.017 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 73036

Ion	Ratio	Lower	Upper
97	100		
83	93.3	67.4	101.0
85	57.2	43.0	64.4
99	56.5	47.0	70.6

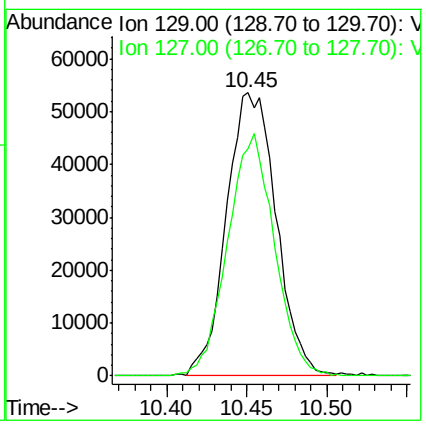


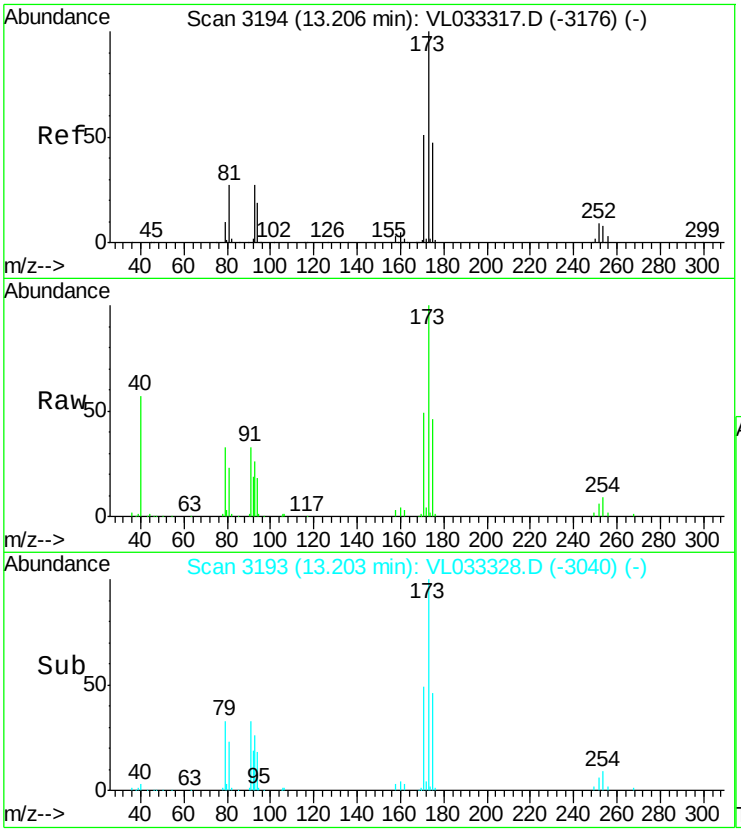


#48
Dibromochloromethane
Concen: 0.928 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:129 Resp: 113891

Ion	Ratio	Lower	Upper
129	100		
127	80.5	38.9	116.6



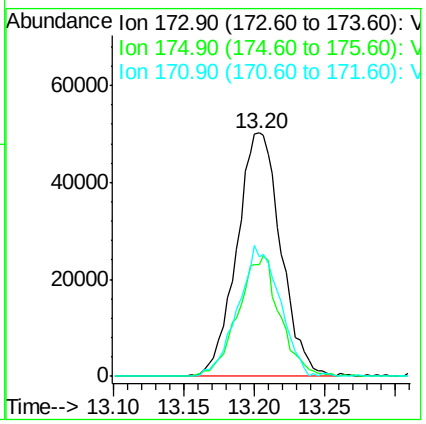


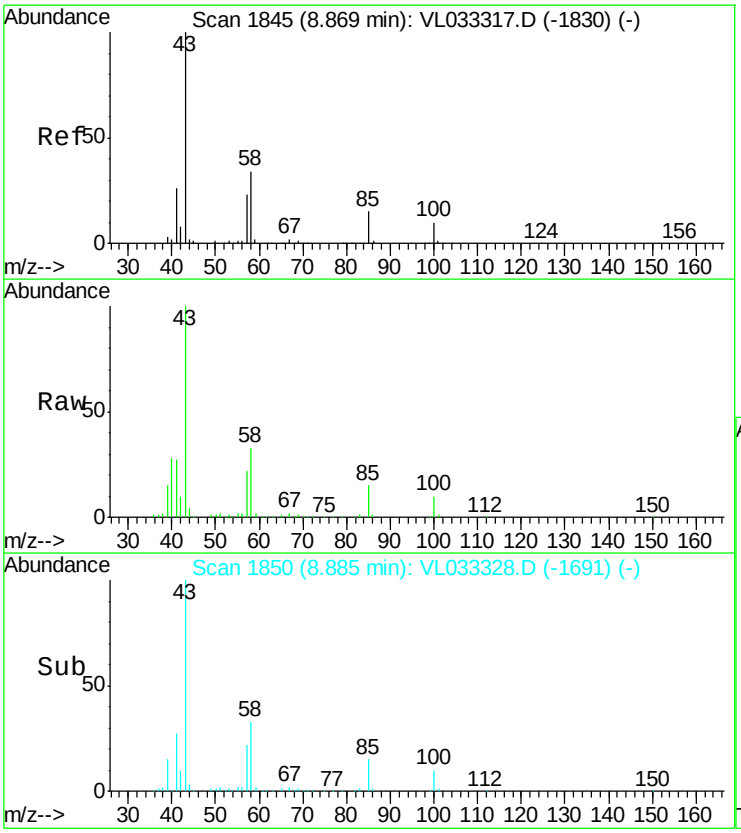
#49
Bromoform
Concen: 0.989 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 109831

Ion	Ratio	Lower	Upper
173	100		
175	46.9	39.0	58.6
171	50.9	41.7	62.5

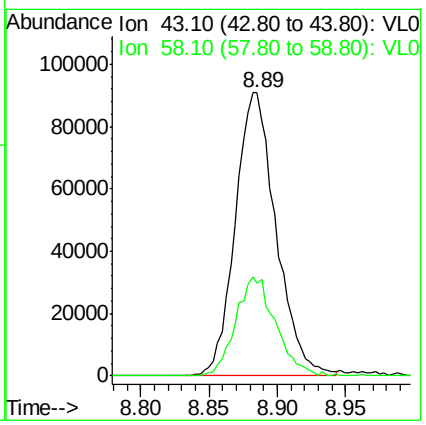


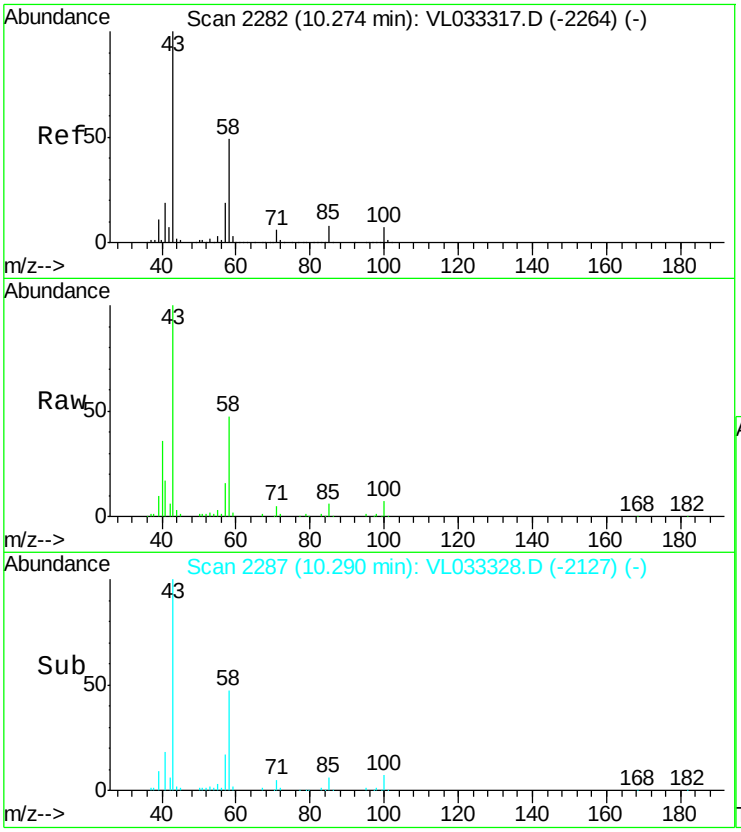


#50
4-Methyl-2-Pentanone
Concen: 1.037 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 43 Resp: 188807

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.4	42.6



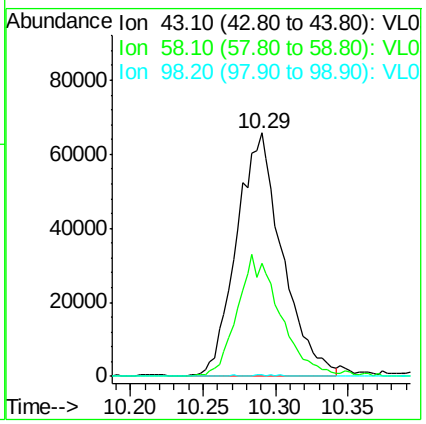


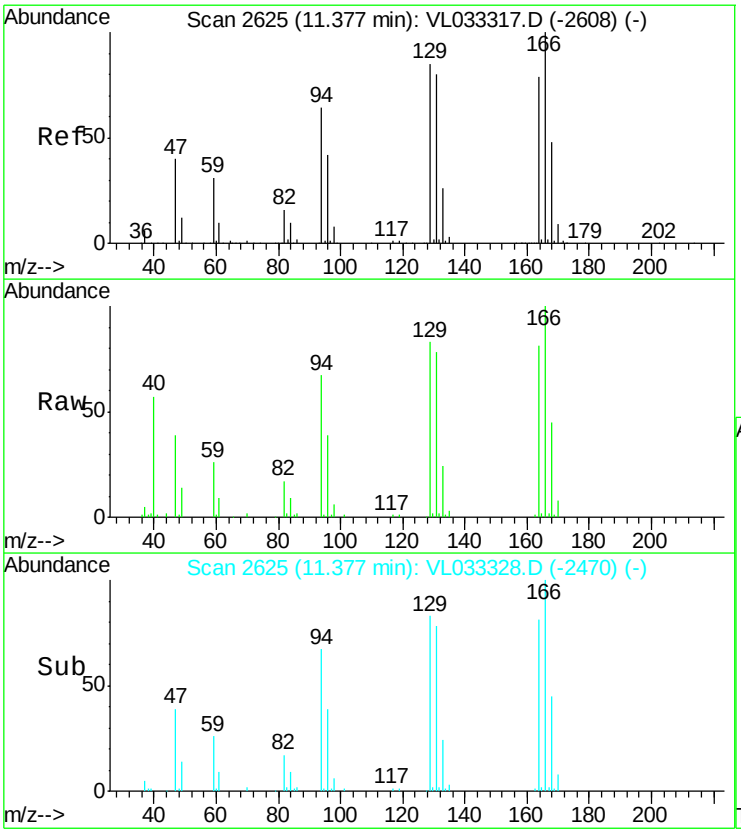
#51
2-Hexanone
Concen: 0.993 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 143955

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.0	57.0
98	0.4	0.1	0.1#

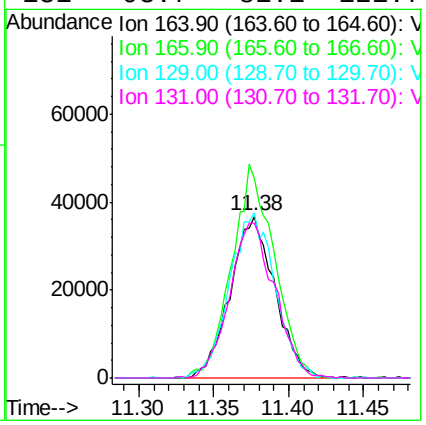


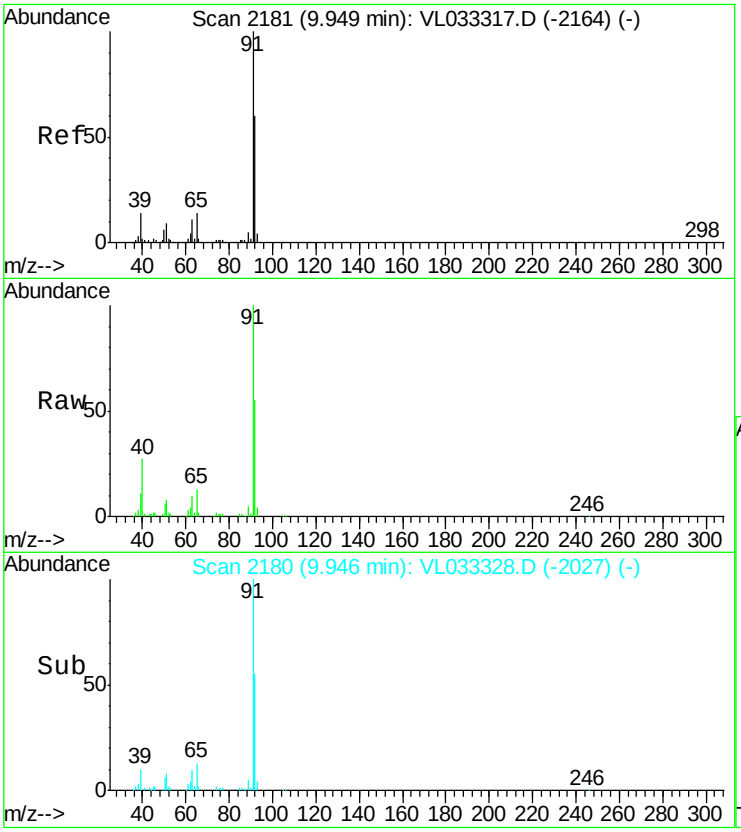


#52
Tetrachloroethene
Concen: 1.075 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:164 Resp: 76136

Ion	Ratio	Lower	Upper
164	100		
166	120.6	101.5	152.3
129	99.8	82.2	123.2
131	93.7	81.1	121.7



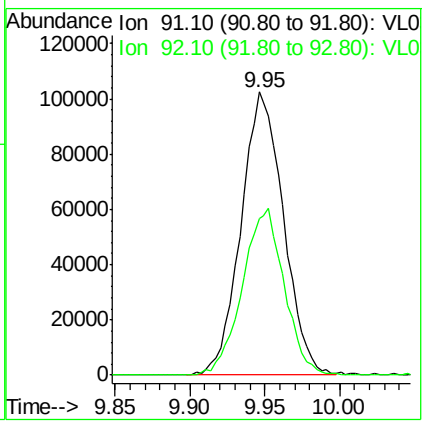


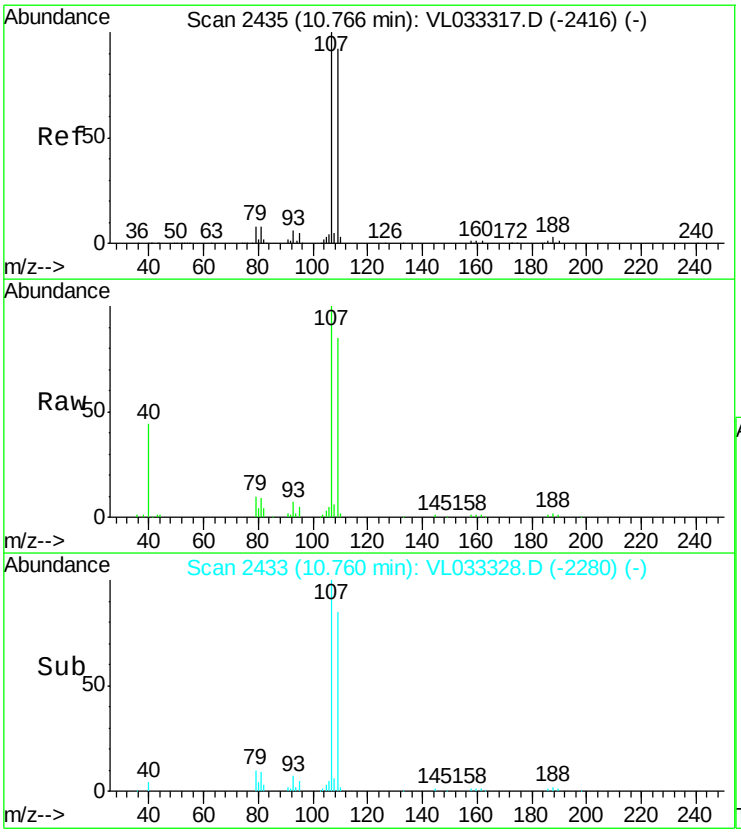
#53
Toluene
Concen: 1.012 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 202424

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.4	71.0

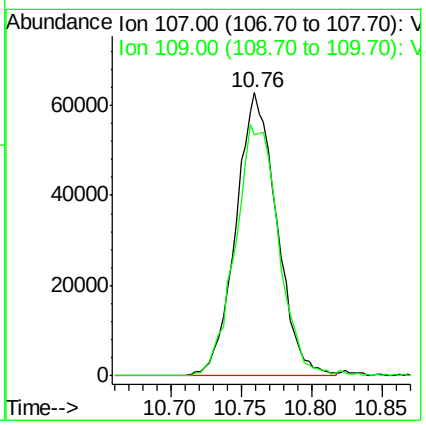


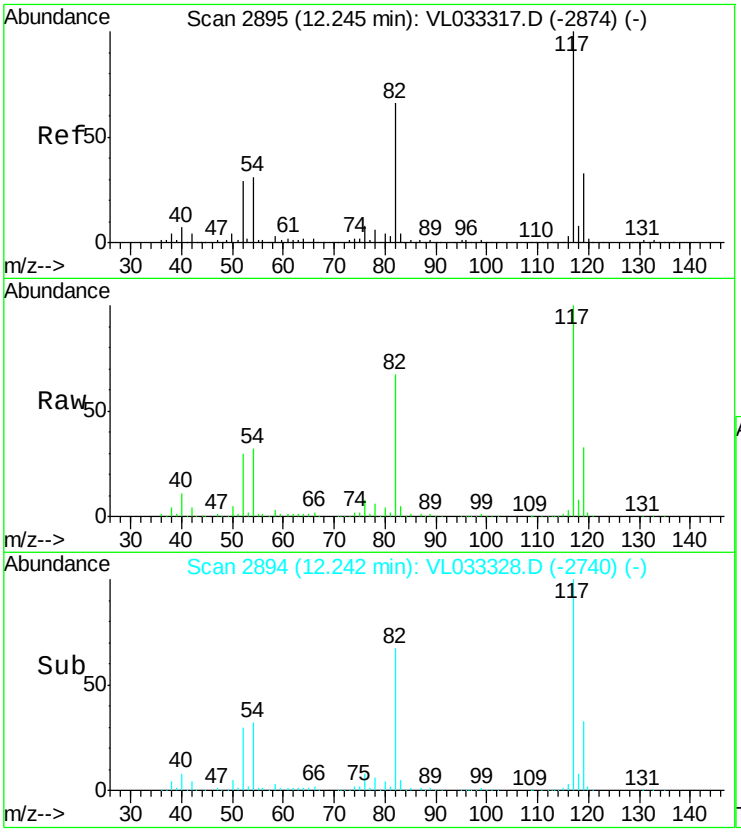


#54
1,2-Dibromoethane
Concen: 1.090 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:107 Resp: 127542

Ion	Ratio	Lower	Upper
107	100		
109	85.1	77.2	115.8



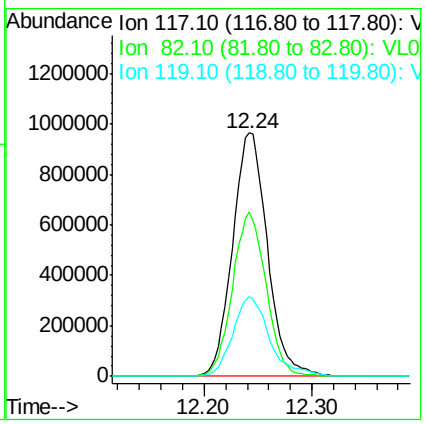


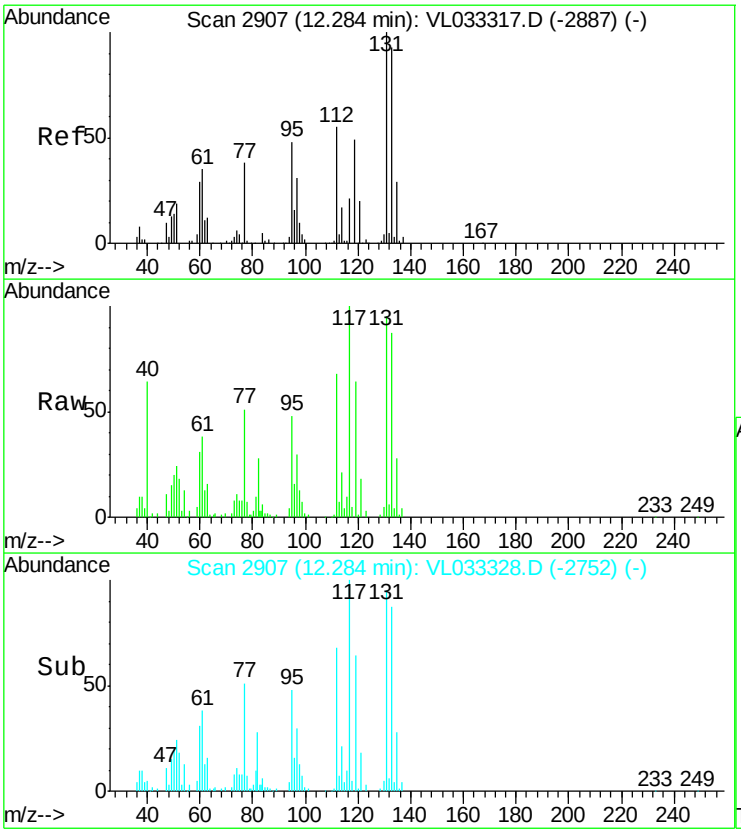
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 2174288

Ion	Ratio	Lower	Upper
117	100		
82	65.2	53.4	80.2
119	34.5	27.3	40.9

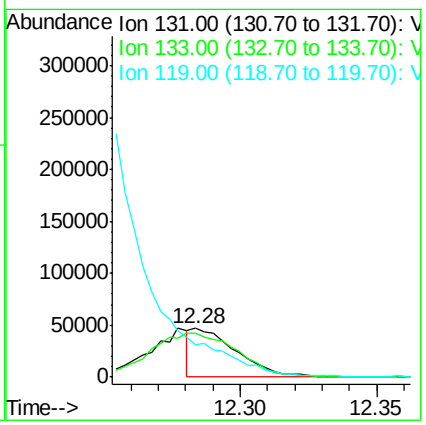


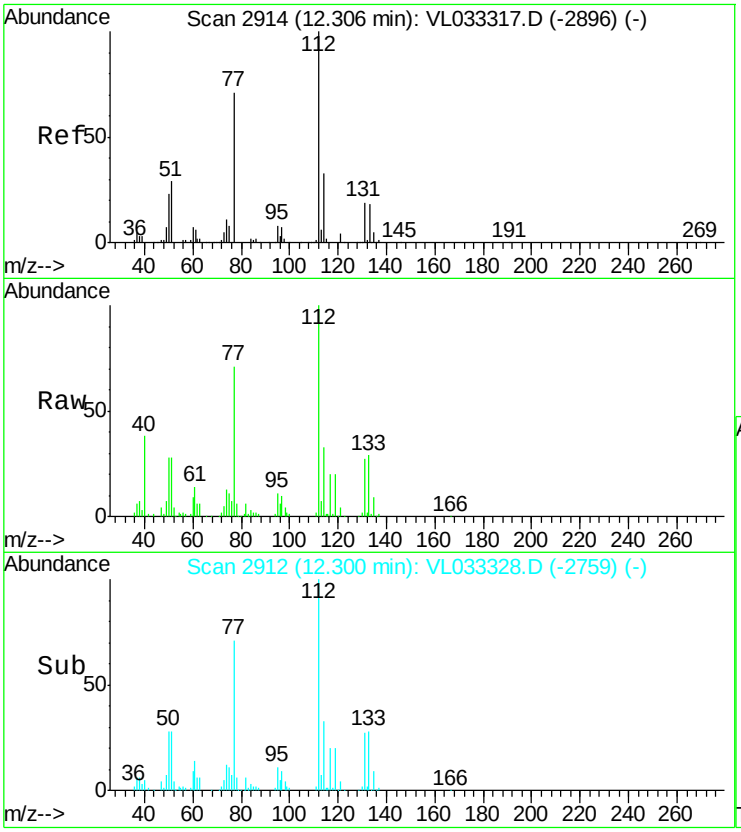


#56
1,1,1,2-Tetrachloroethane
Concen: 0.543 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:131 Resp: 52988

Ion	Ratio	Lower	Upper
131	100		
133	181.9	76.7	115.1#
119	0.0	40.3	60.5#



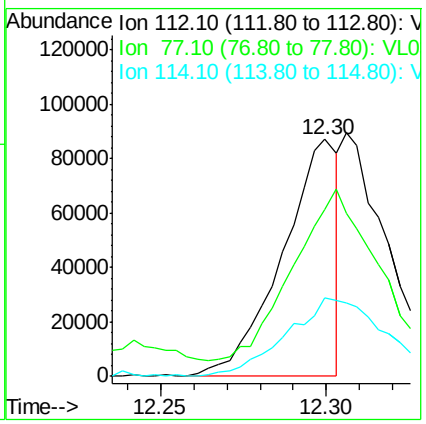


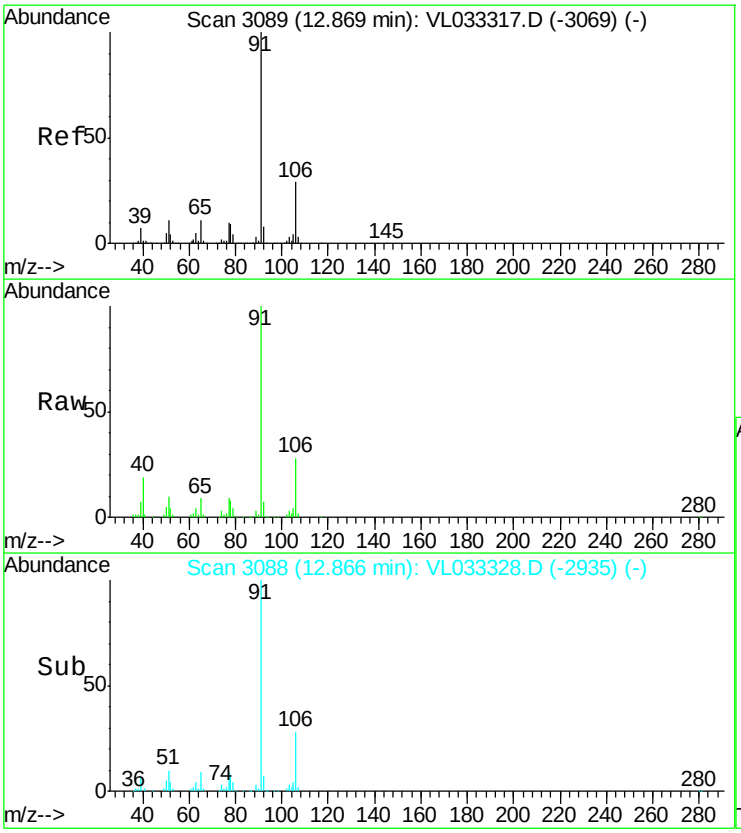
#57
Chlorobenzene
Concen: 0.588 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:112 Resp: 101605

Ion	Ratio	Lower	Upper
112	100		
77	62.5	55.8	83.6
114	32.8	28.6	35.0

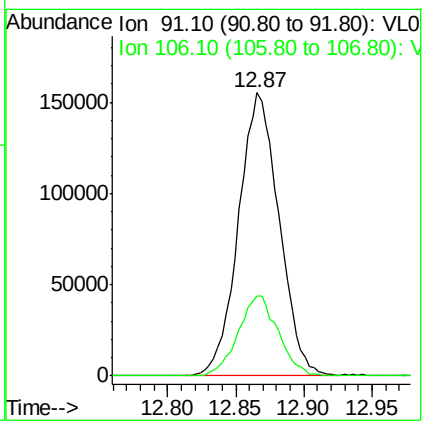


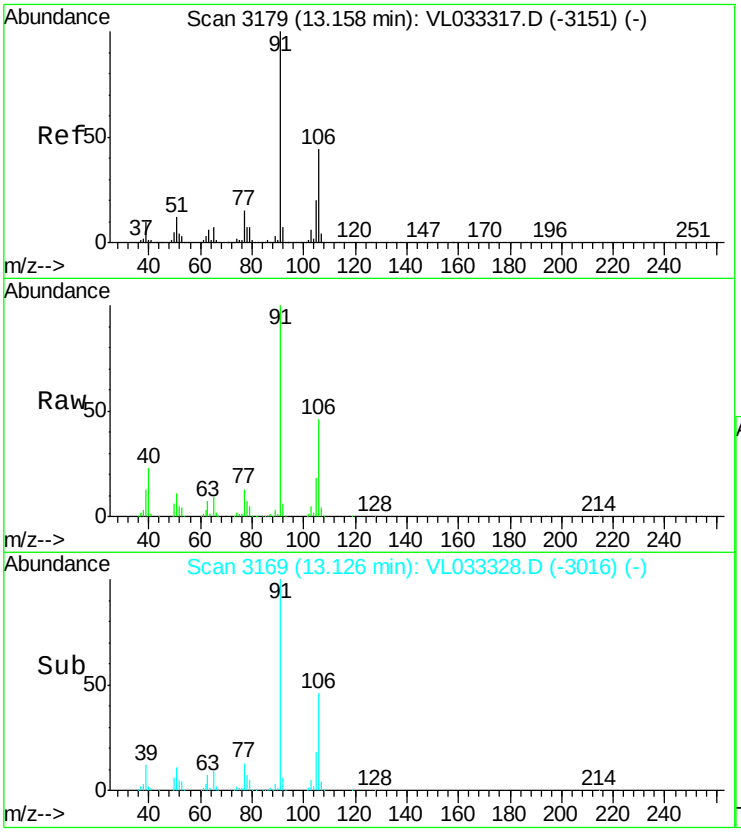


#58
Ethyl Benzene
Concen: 1.041 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 91 Resp: 320116

Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.2	36.2



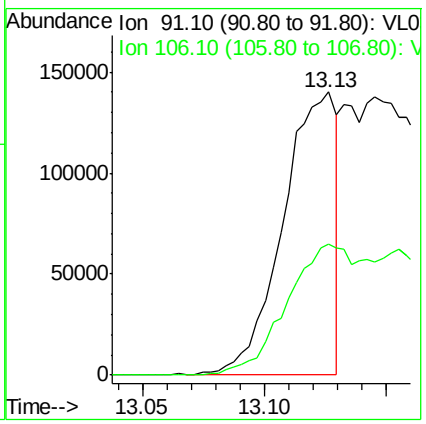


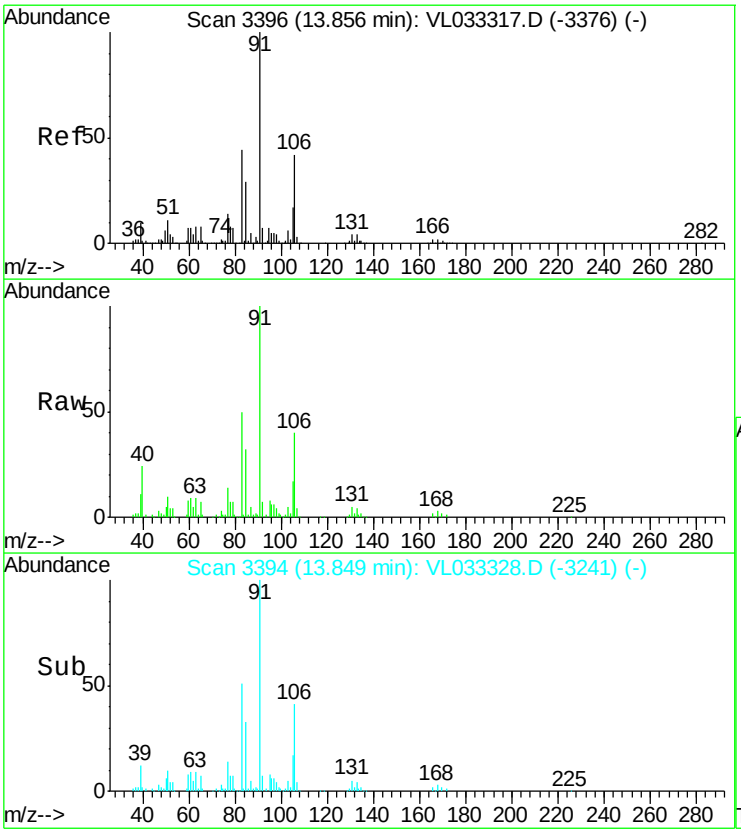
#59
m/p-Xylene
Concen: 0.806 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 211174

Ion	Ratio	Lower	Upper
91	100		
106	114.9	0.0	0.0#

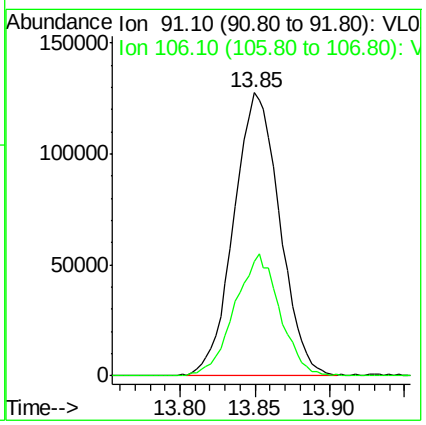


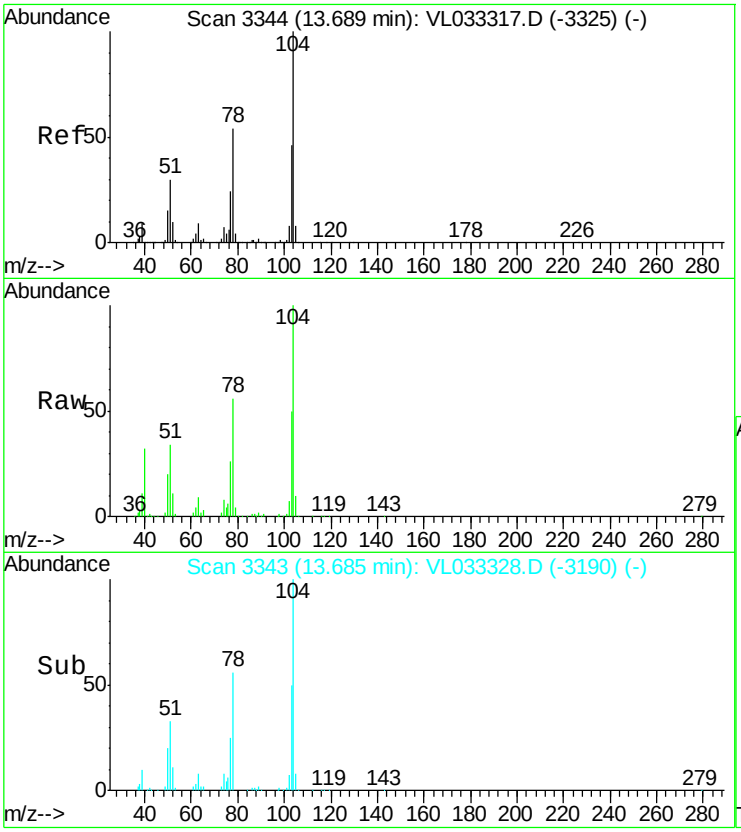


#60
o-Xylene
Concen: 1.055 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 91 Resp: 270885

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.3	63.9



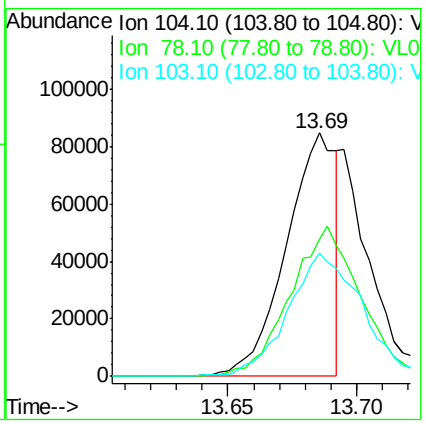


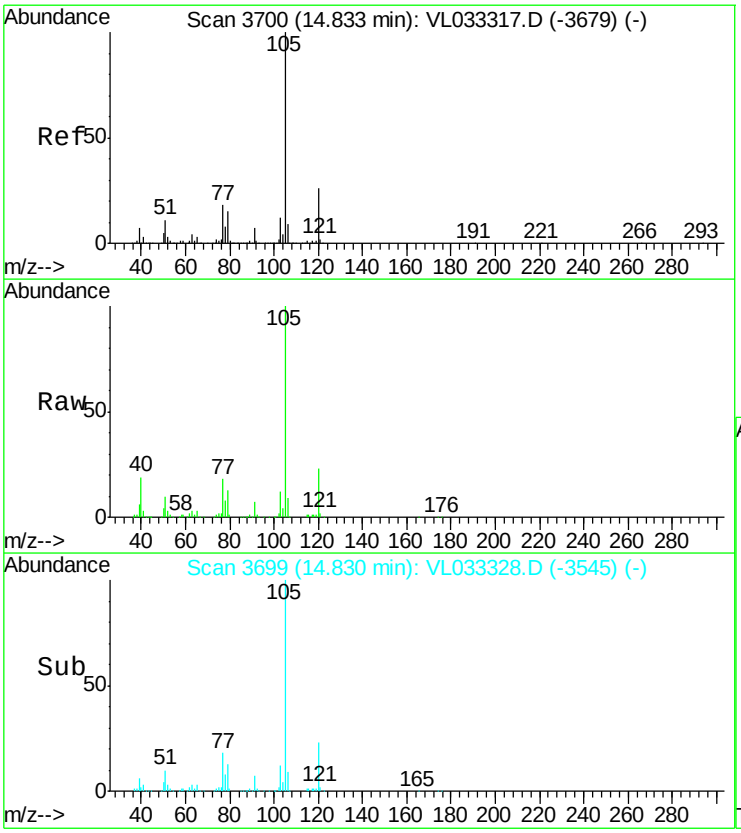
#61
Styrene
Concen: 0.633 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 113567

Ion	Ratio	Lower	Upper
104	100		
78	87.9	42.7	64.1#
103	75.7	38.0	57.0#

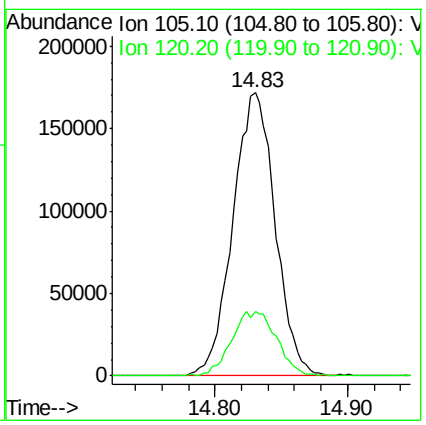


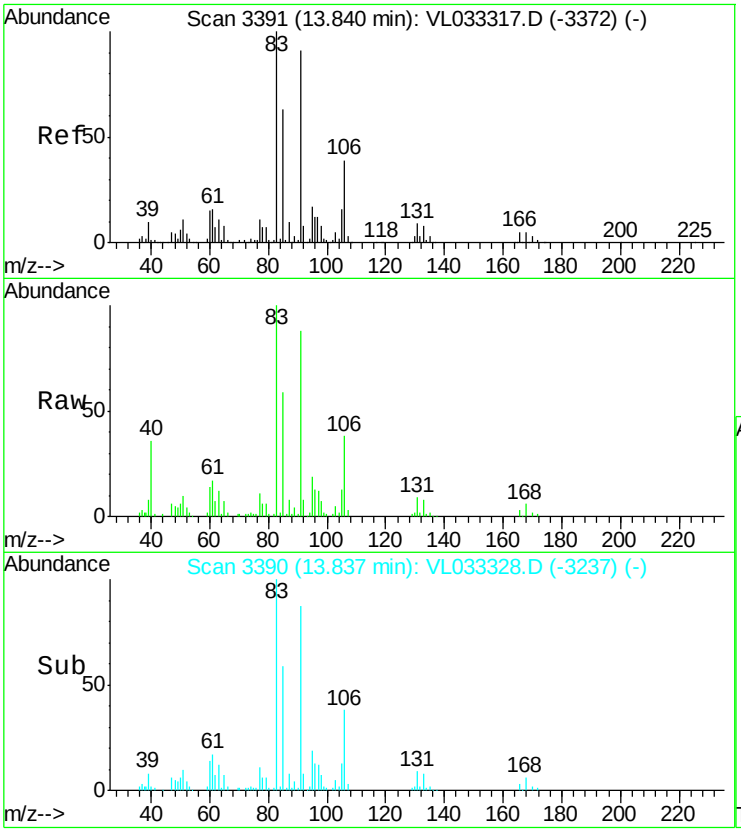


#62
Isopropylbenzene
Concen: 1.067 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:105 Resp: 378571

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.9	29.9



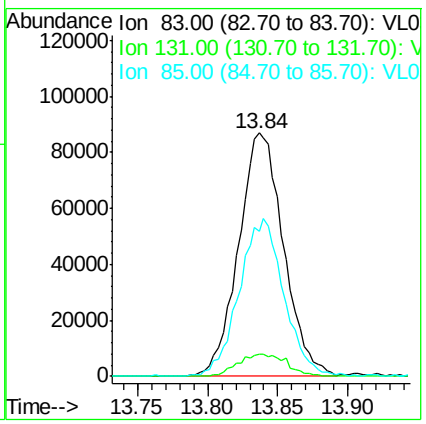


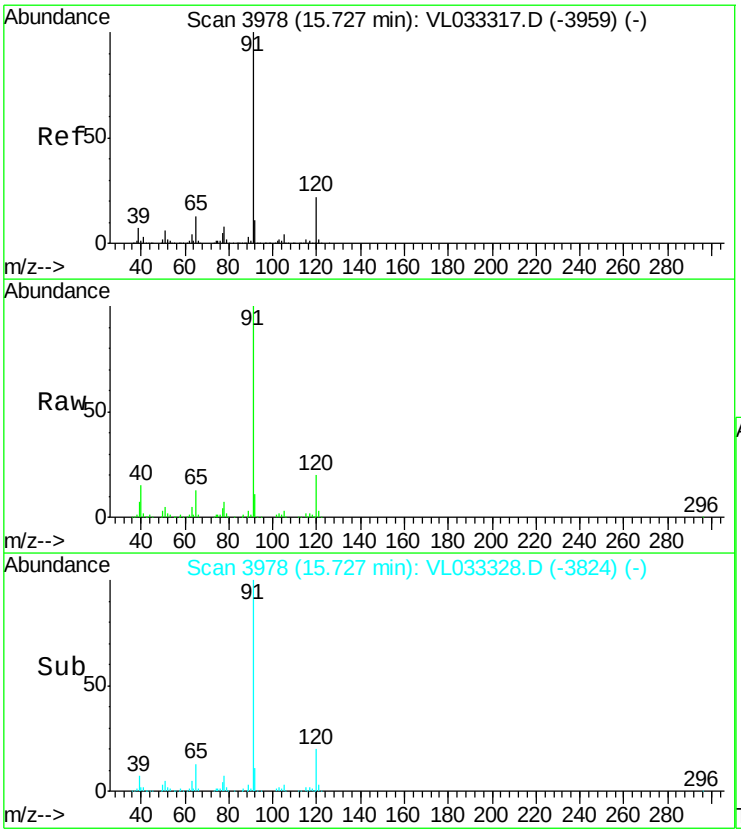
#63
1,1,2,2-Tetrachloroethane
Concen: 1.000 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 194046

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.7	14.0
85	64.8	32.5	97.4

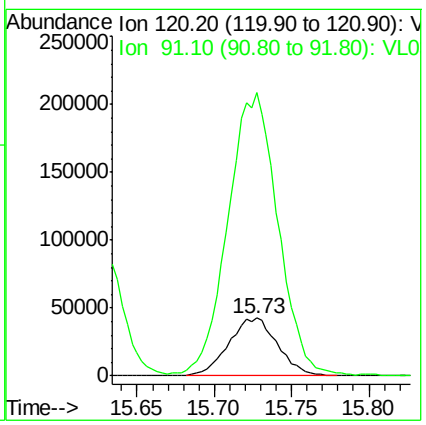


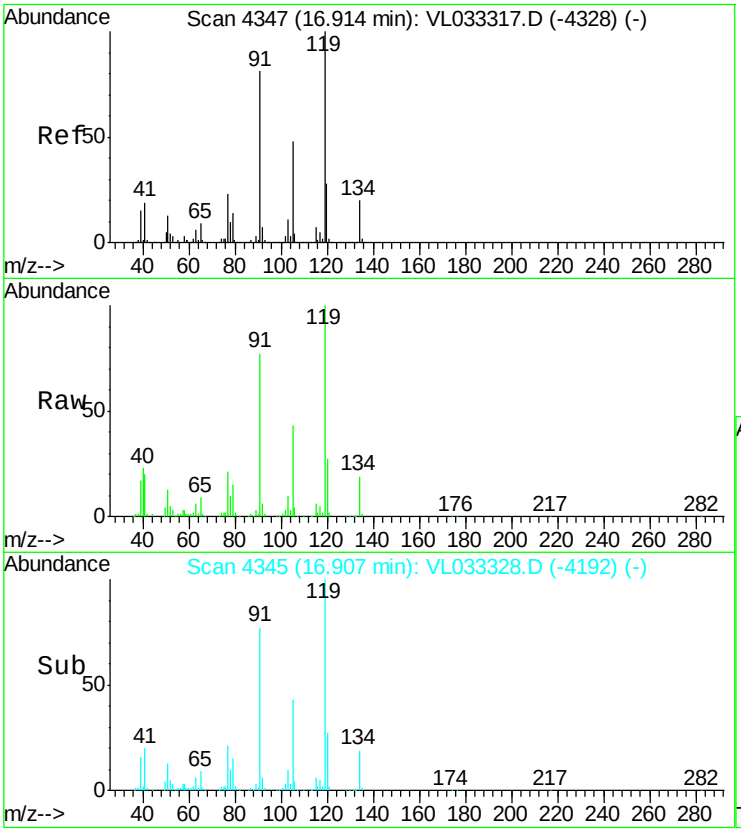


#64
n-propylbenzene
Concen: 1.039 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:120 Resp: 93059

Ion	Ratio	Lower	Upper
120	100		
91	507.1	389.8	584.6



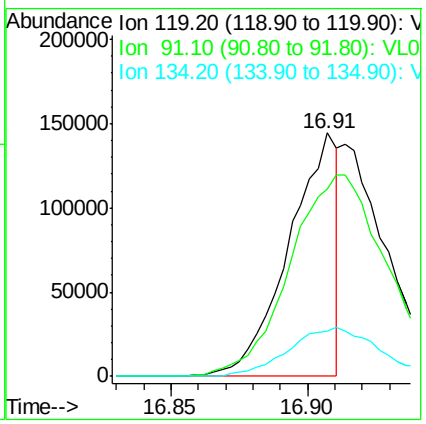


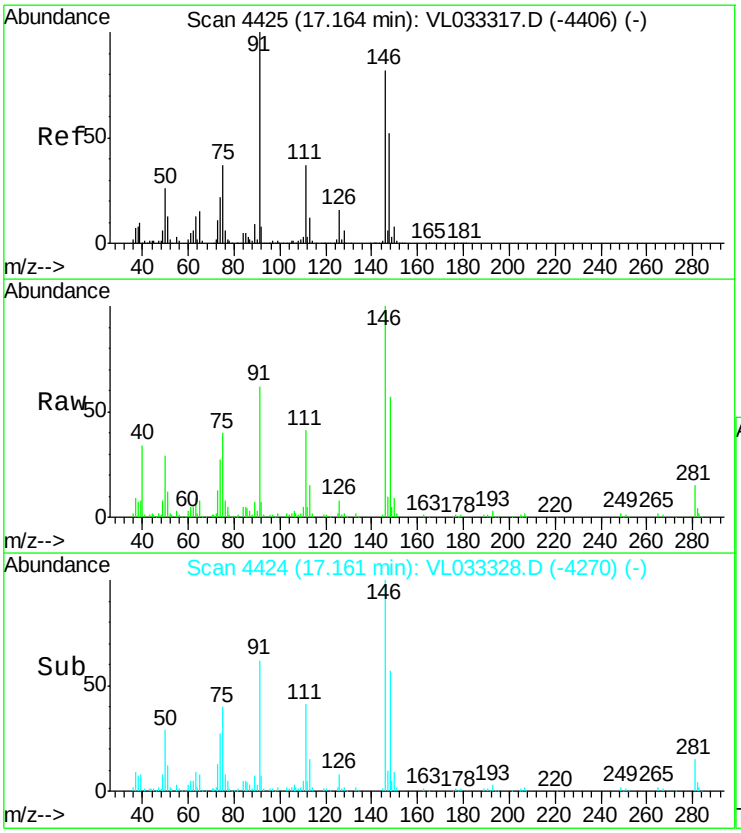
#65
tert-Butylbenzene
Concen: 0.547 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 178807

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.2	100.8#
134	0.0	15.4	23.2#

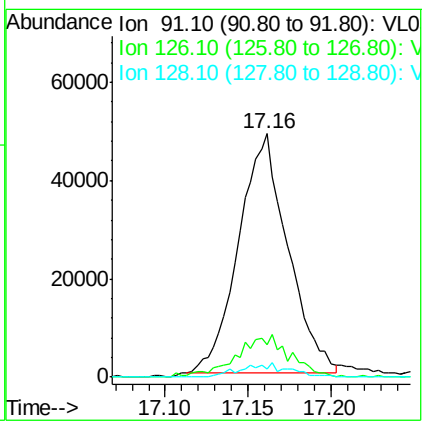


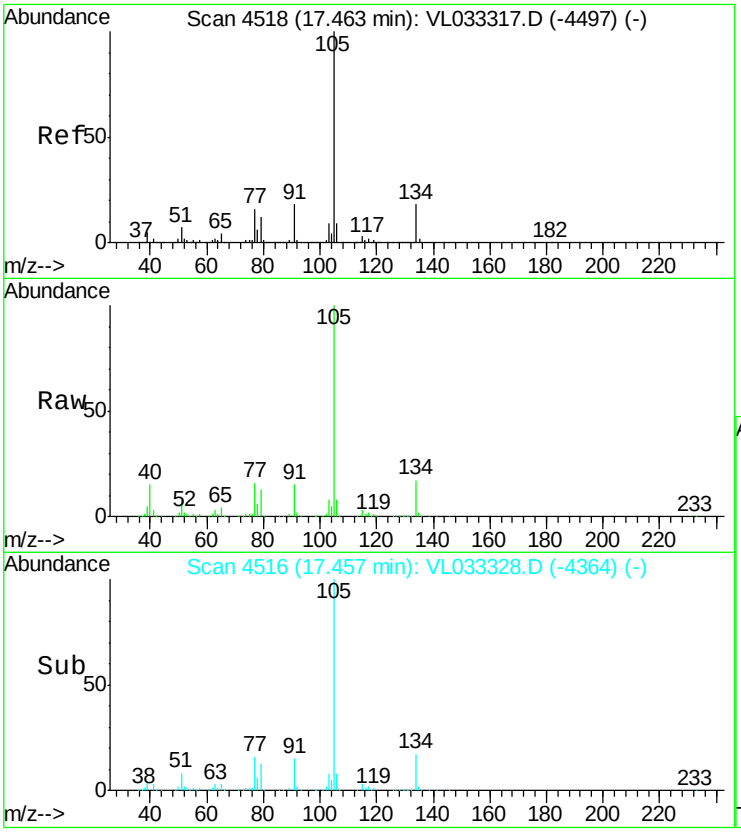


#66
Benzyl Chloride
Concen: 0.755 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 91 Resp: 100699

Ion	Ratio	Lower	Upper
91	100		
126	18.9	13.2	19.8
128	5.5	4.2	6.4



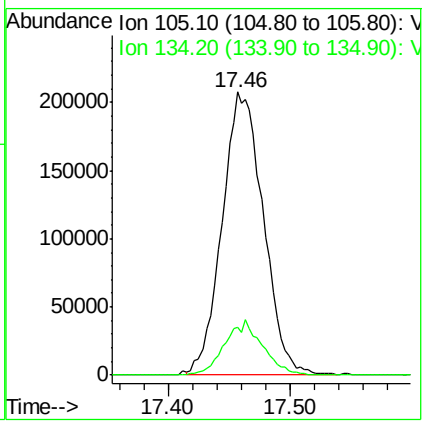


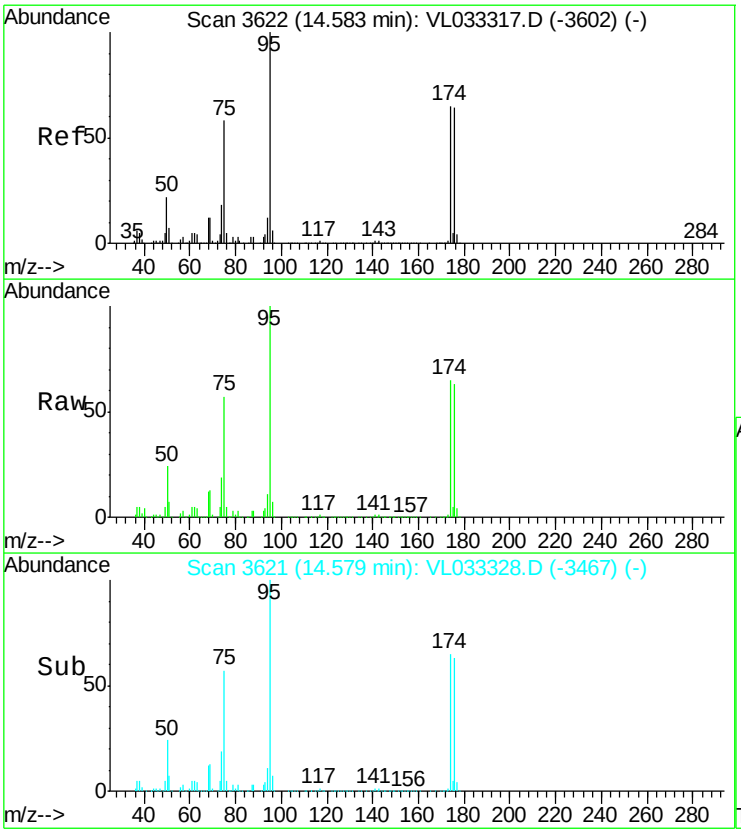
#67
sec-Butylbenzene
Concen: 1.035 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 483769

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.2	21.4

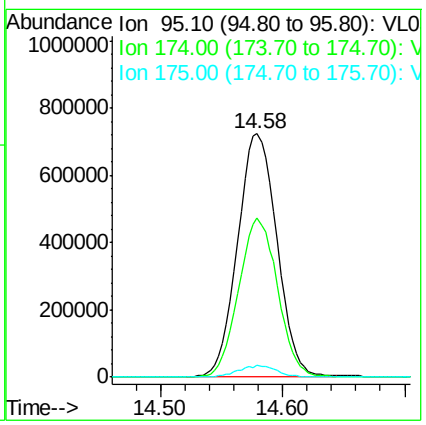


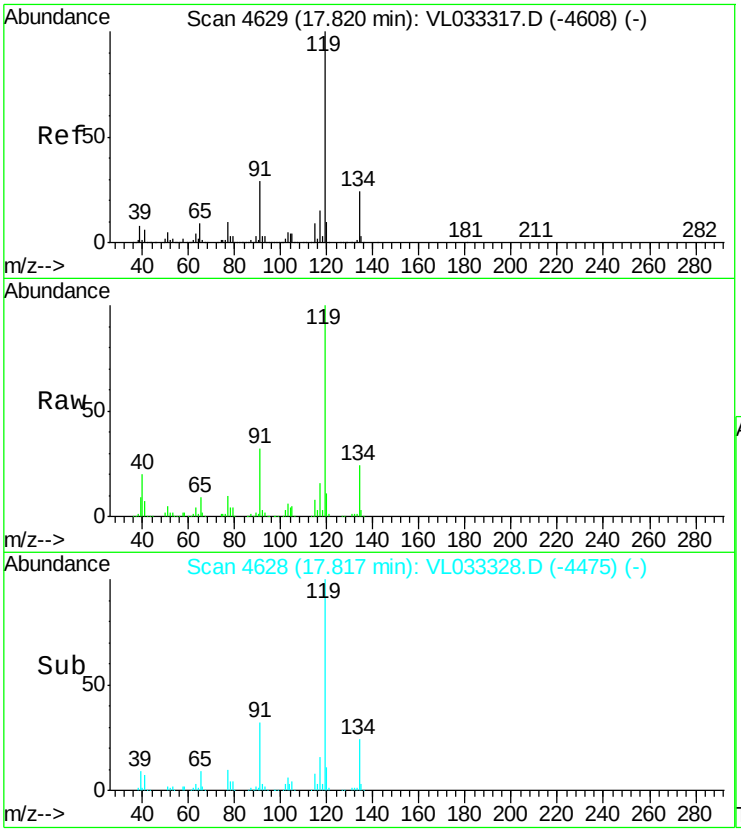


#68
1-Bromo-4-Fluorobenzene
Concen: 9.787 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 95 Resp: 1617441

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.5	77.3
175	4.6	3.8	5.6



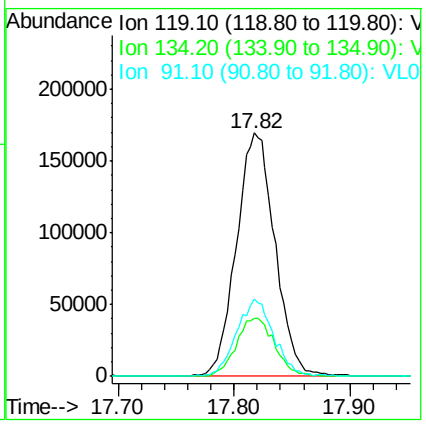


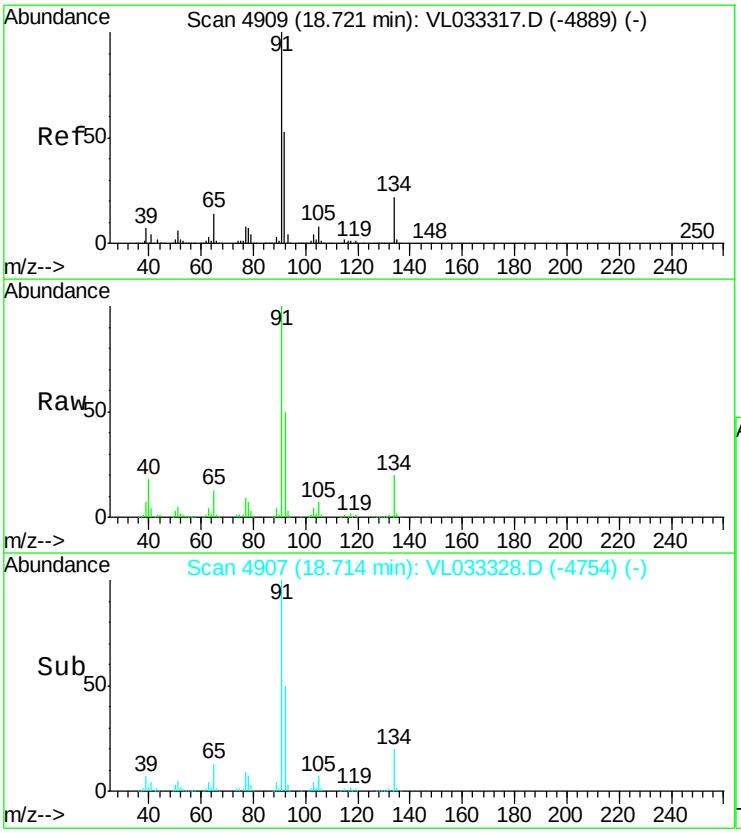
#69
p-Isopropyltoluene
Concen: 1.023 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:119 Resp: 388975

Ion	Ratio	Lower	Upper
119	100		
134	24.0	19.8	29.6
91	31.2	23.4	35.2

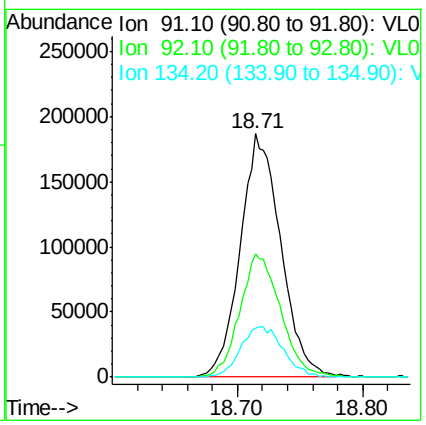


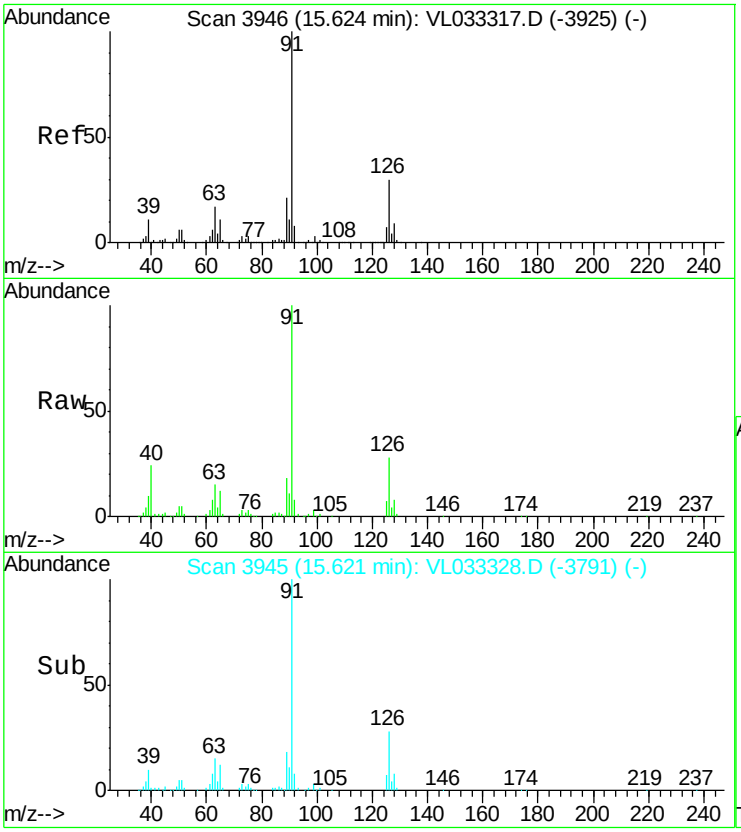


#70
n-Butylbenzene
Concen: 1.028 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion: 91 Resp: 417587

Ion	Ratio	Lower	Upper
91	100		
92	51.3	42.8	64.2
134	21.9	17.4	26.0



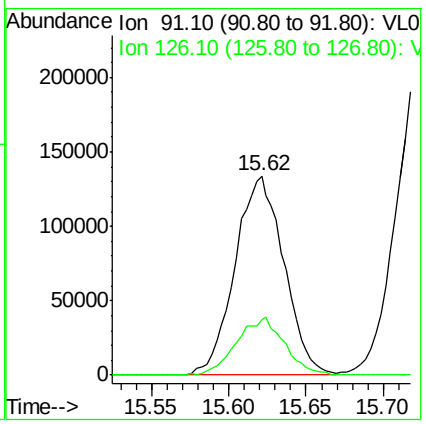


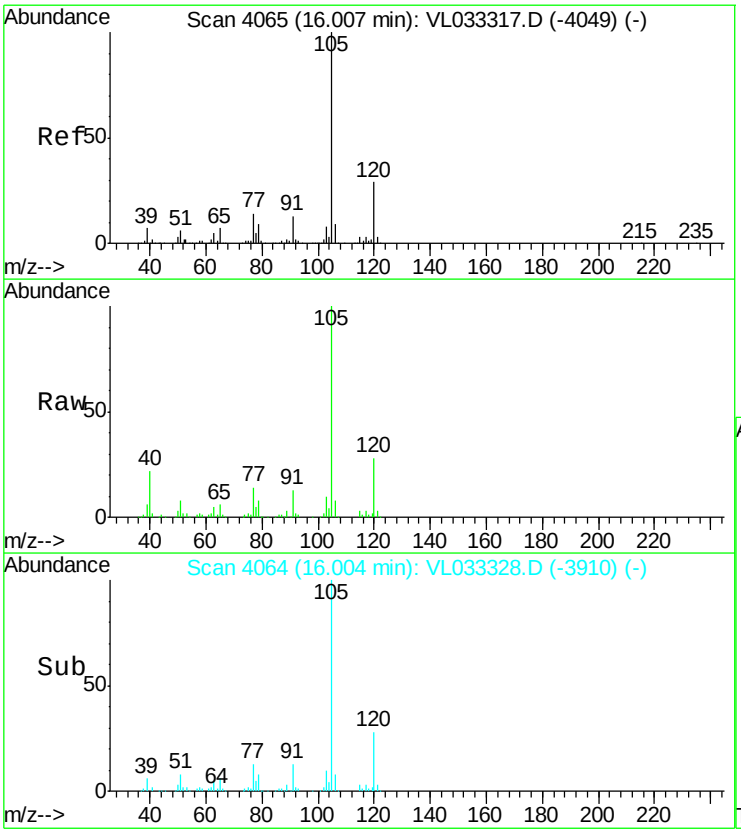
#71
2-Chlorotoluene
Concen: 1.041 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 293987

Ion	Ratio	Lower	Upper
91	100		
126	28.4	11.6	46.6

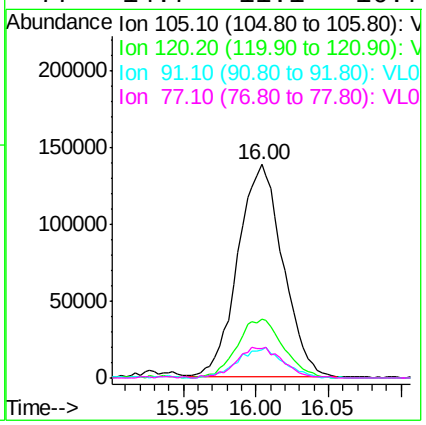


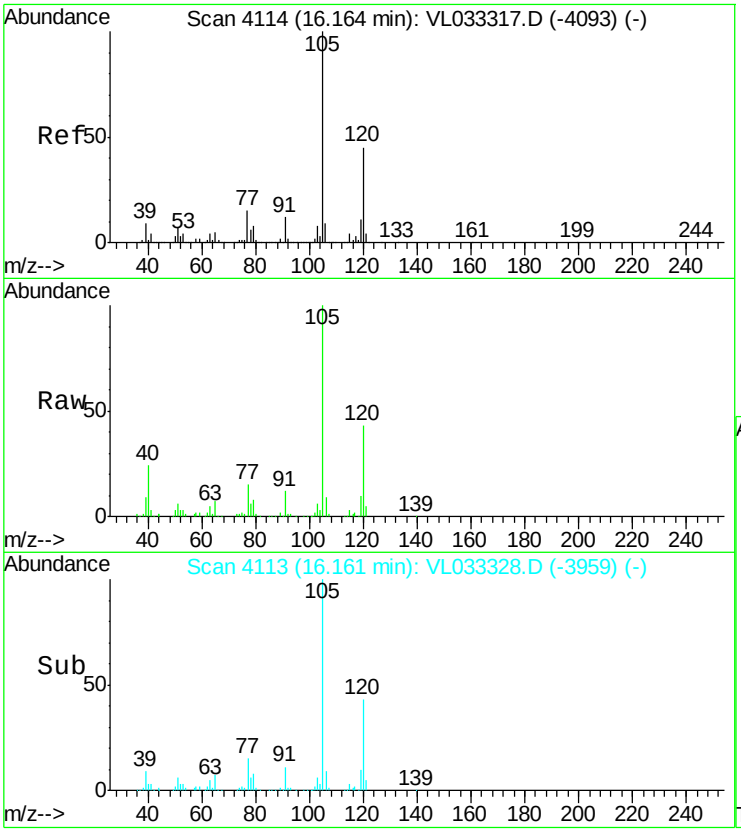


#72
4-Ethyltoluene
Concen: 1.024 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:105 Resp: 299810

Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.9	34.3
91	14.2	10.2	15.2
77	14.7	11.1	16.7



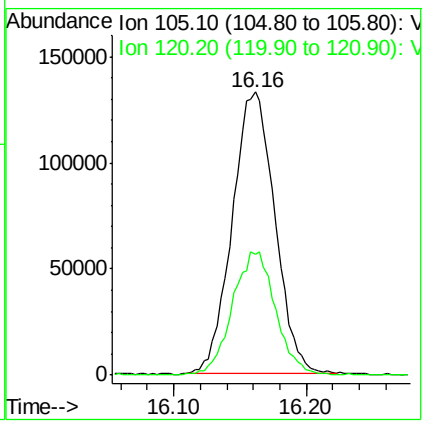


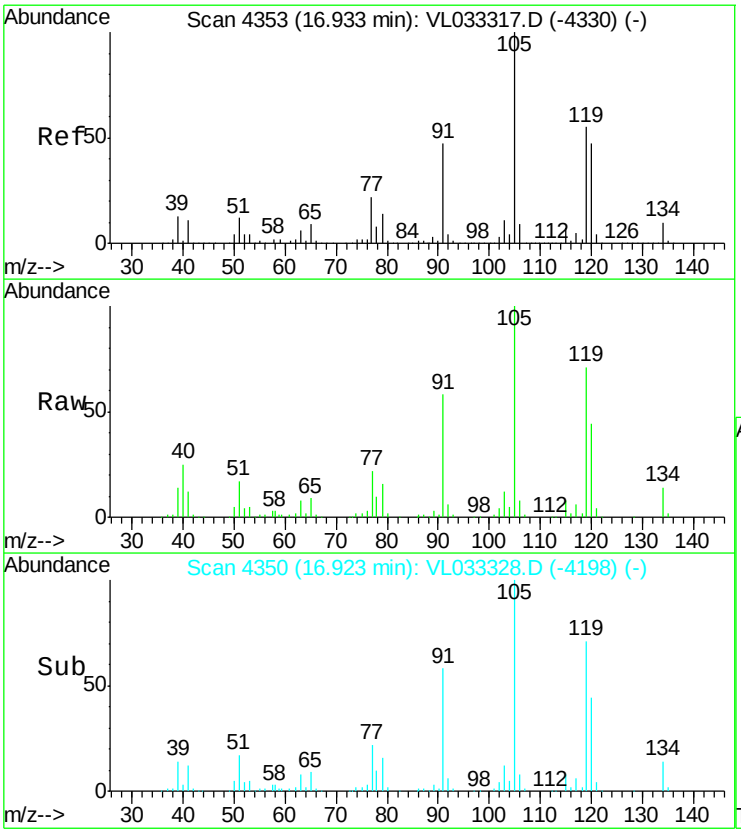
#73
1,3,5-Trimethylbenzene
Concen: 1.025 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 297270

Ion	Ratio	Lower	Upper
105	100		
120	42.5	36.2	54.4

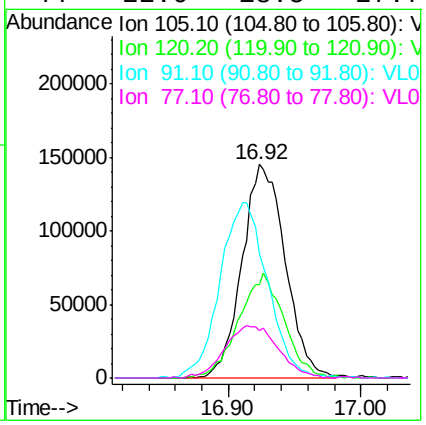


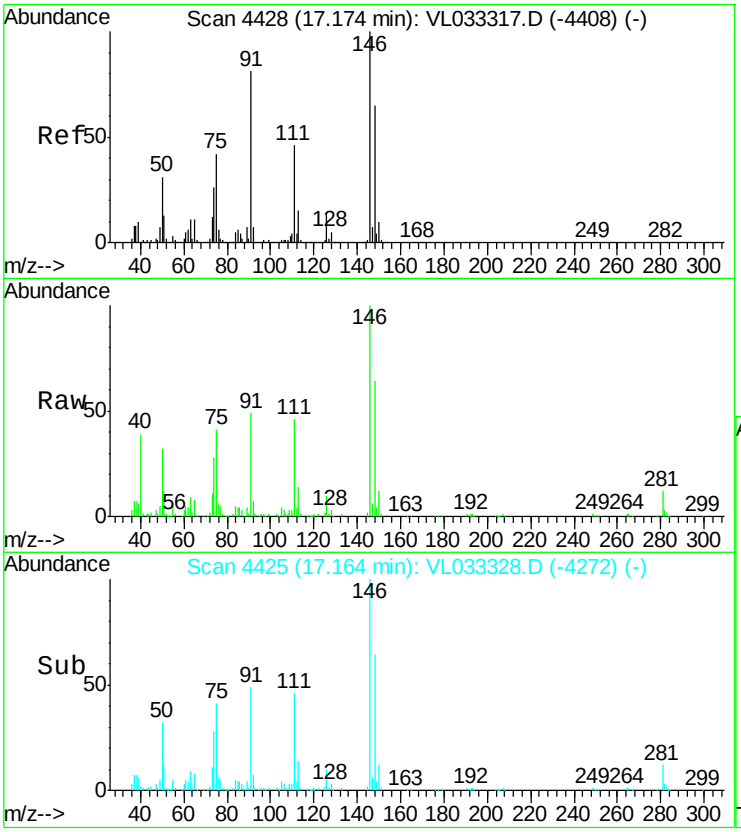


#74
1,2,4-Trimethylbenzene
Concen: 1.073 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:105 Resp: 327571

Ion	Ratio	Lower	Upper
105	100		
120	43.2	37.4	56.2
91	57.8	41.0	61.4
77	22.0	18.5	27.7



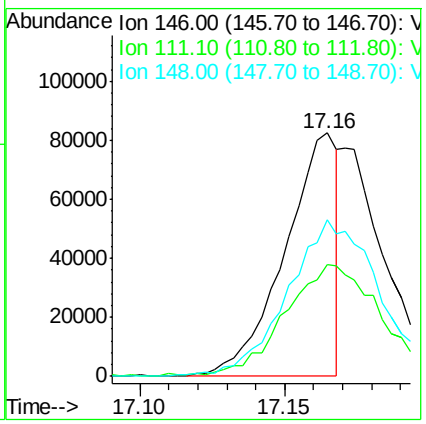


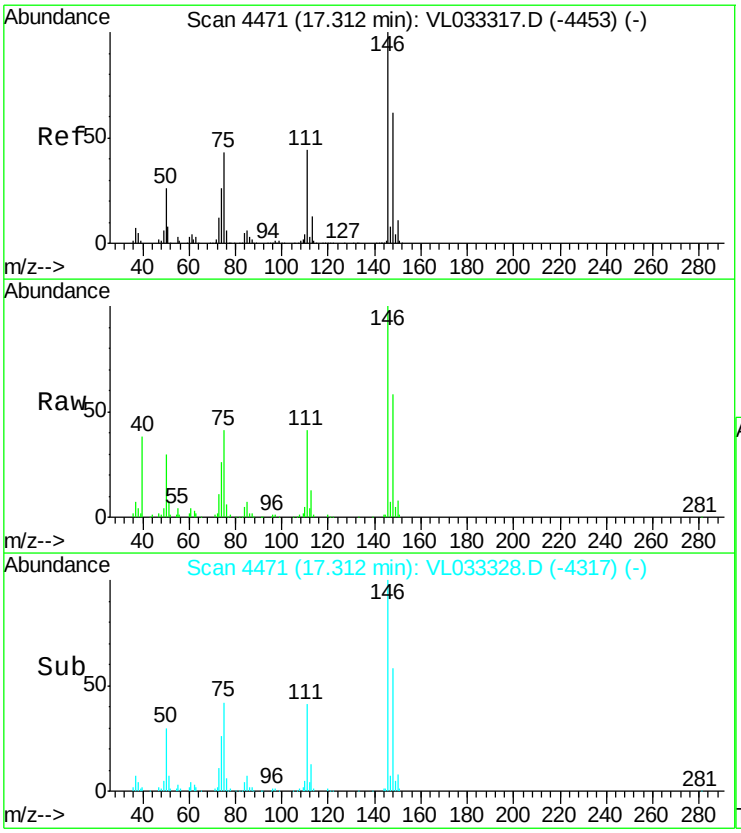
#75
1,3-Dichlorobenzene
Concen: 0.580 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 102997

Ion	Ratio	Lower	Upper
146	100		
111	85.5	22.8	68.3#
148	114.6	31.9	95.7#

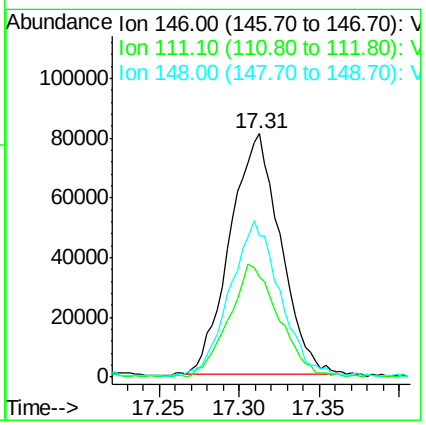


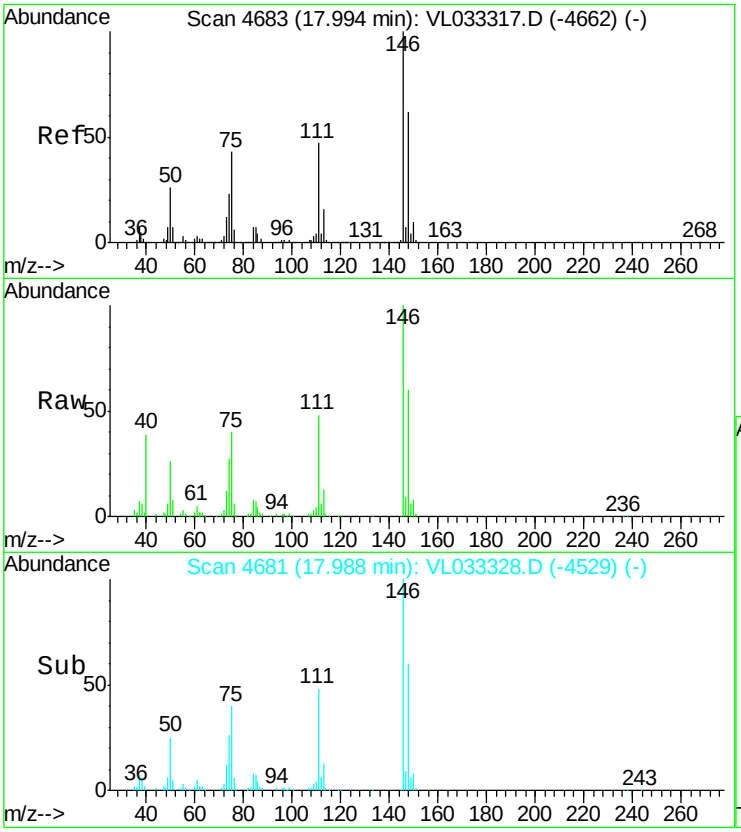


#76
1,4-Dichlorobenzene
Concen: 0.991 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:146 Resp: 173266

Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.9	65.7
148	66.2	32.1	96.5



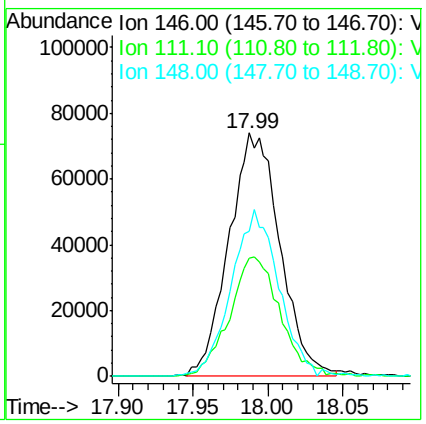


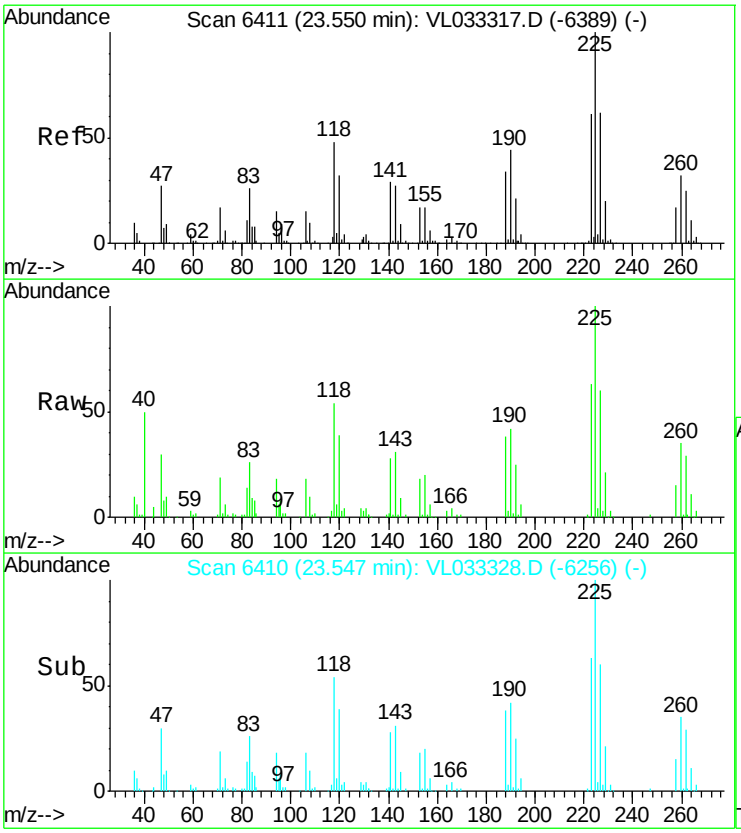
#77
1,2-Dichlorobenzene
Concen: 1.023 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 175705

Ion	Ratio	Lower	Upper
146	100		
111	49.1	23.5	70.6
148	63.8	31.9	95.9

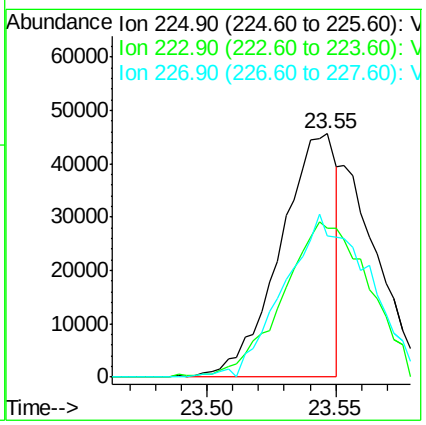


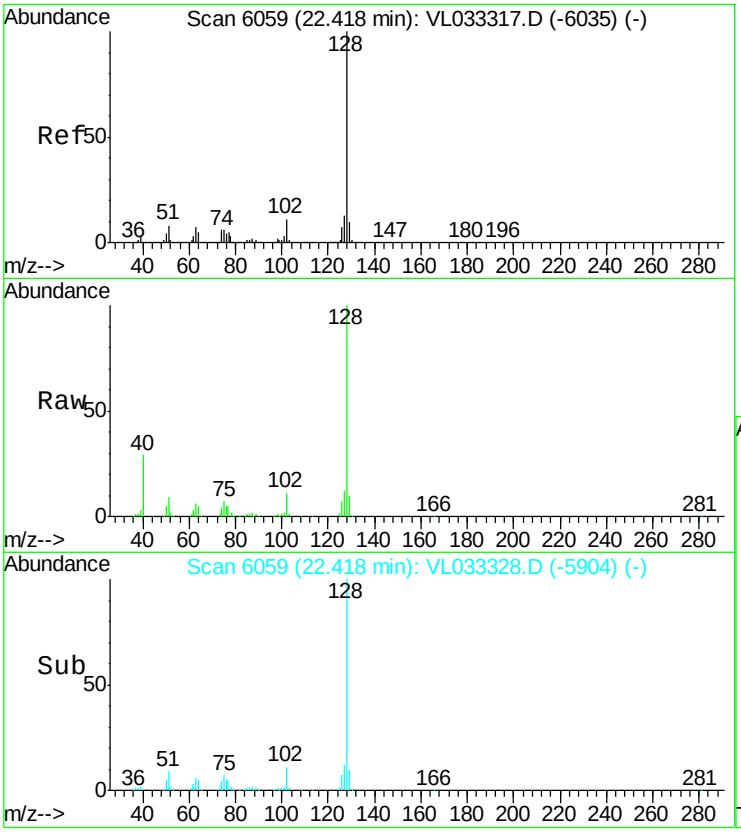


#78
Hexachloro-1,3-Butadiene
Concen: 0.661 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:225 Resp: 68406

Ion	Ratio	Lower	Upper
225	100		
223	99.5	50.4	75.6#
227	102.4	50.5	75.7#



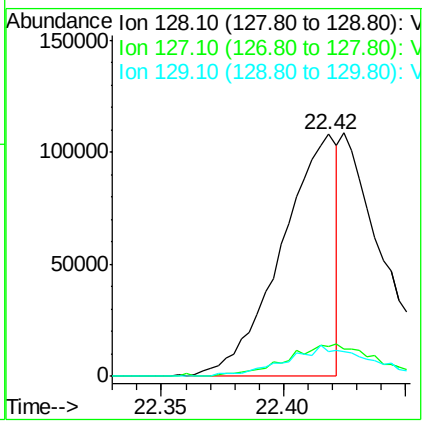


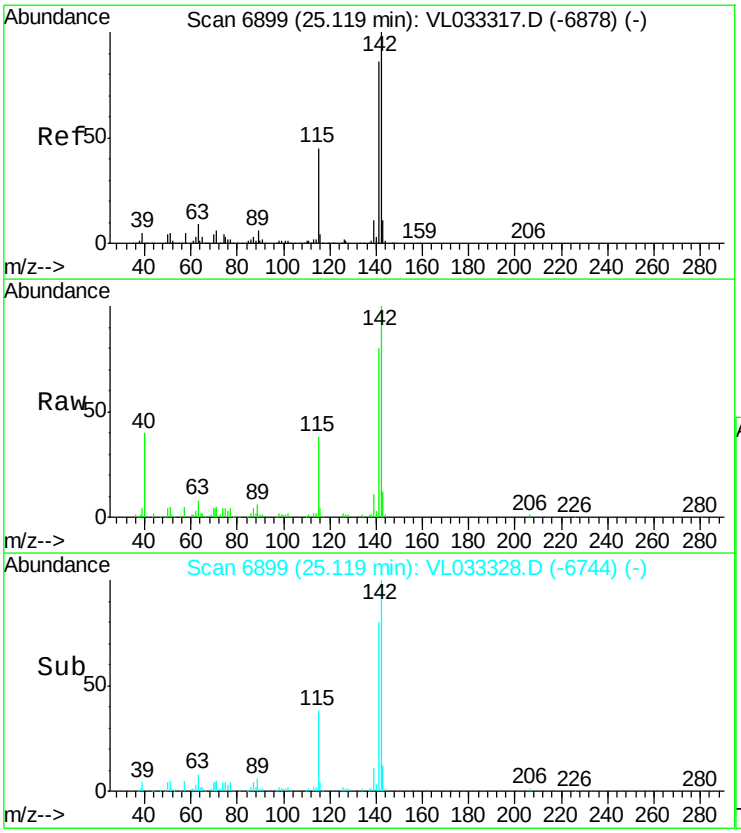
#79
Naphthalene
Concen: 0.571 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 170157

Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.1	15.1
129	10.5	8.2	12.2

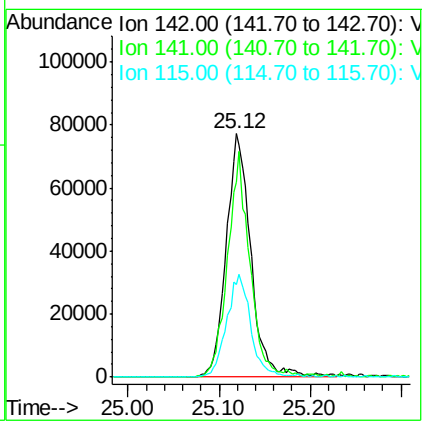


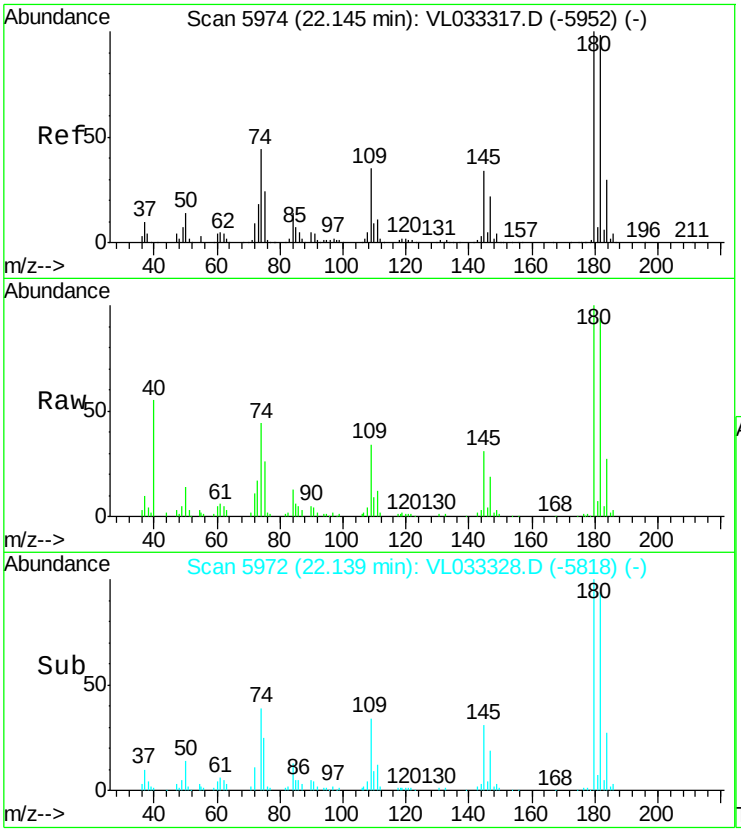


#80
Naphthalene,2-methyl-
Concen: 1.011 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Tgt Ion:142 Resp: 145399

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.1	100.7
115	41.4	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 1.006 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033328.D
Acq: 15 Mar 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 155566

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.1	114.1
184	31.0	24.6	37.0