Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033394.D
Acq On : 20 Mar 2019 17:49
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:37:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	796363	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1841439	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1886871	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1437859	10.28	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	80604	0.576	ppbv		100
3) Chlorodifluoromethane	3.01	51	45806	0.501	ppbv		100
4) Chloromethane	3.17	50	25432	0.514	ppbv		96
5) Vinyl Chloride	3.29	62	23093	0.452	ppbv		97
6) Bromomethane	3.51	94	14195	0.468	ppbv		92
7) Chloroethane	3.60	64	9040	0.507	ppbv		96
8) Dichlorotetrafluoroethane	3.22	85	62393	0.523	ppbv		100
9) Propene	3.03	41	20933	0.513	ppbv		100
10) Heptane	8.24	43	43501	0.430	ppbv		100
11) Trichlorofluoromethane	4.00	101	69284	0.497	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	48160	0.521	ppbv		98
13) Ethanol	3.66	45	14265	0.733	ppbv		96
14) Bromoethene	3.79	108	18712	0.485	ppbv		99
15) Acetone	3.91	43	77299	0.624	ppbv		98
16) 1,3-Butadiene	3.36	39	17543	0.436	ppbv		95
17) tert-Butyl alcohol	4.35	59	662	0.038	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	19251	0.455	ppbv		94
19) Isopropyl Alcohol	4.04	45	23386	0.397	ppbv	#	84
20) Methylene Chloride	4.41	84	22997	0.570	ppbv		90
21) Allyl Chloride	4.47	41	27430	0.457	ppbv		97
22) trans-1,2-Dichloroethene	4.96	96	17875	0.436	ppbv		95
23) Vinyl Acetate	5.15	43	64043	0.447	ppbv	#	95
24) 1,1-Dichloroethane	5.08	63	49923	0.483	ppbv		98
25) Ethyl Acetate	5.77	43	81402	0.452	ppbv		99
26) Hexane	5.78	57	37195	0.462	ppbv		96
27) Carbon Disulfide	4.62	76	36053	0.389	ppbv	#	76
28) Methyl tert-Butyl Ether	5.12	73	49021	0.410	ppbv		93
29) Chloroform	5.84	83	63678	0.483	ppbv		97
30) Cyclohexane	7.24	84	23784	0.369	ppbv		92
31) cis-1,2-Dichloroethene	5.63	61	35800	0.445	ppbv	#	92
32) 1,1,1-Trichloroethane	6.61	97	59633	0.461	ppbv		96
34) 2-Butanone	5.34	43	51960	0.430	ppbv		99
35) Carbon Tetrachloride	7.13	117	58520	0.451	ppbv		95
36) Benzene	7.00	78	67625	0.410	ppbv	#	95
37) 1,2-Dichloroethane	6.40	62	51565	0.495	ppbv		100
38) Trichloroethene	7.96	130	28109	0.451	ppbv	#	75
39) 1,2-Dichloropropane	7.73	63	27843	0.451	ppbv		94
42) Bromodichloromethane	7.91	83	57871	0.414	ppbv		89
43) Methyl Methacrylate	8.13	69	10790	0.168	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.99	57	112246	0.411	ppbv	#	91
45) t-1,3-Dichloropropene	9.41	75	26977	0.341	ppbv		92

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033394.D
Acq On : 20 Mar 2019 17:49
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:37:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.82	75	13878	0.149	ppbv	#	91
47) 1,1,2-Trichloroethane	9.61	97	15353	0.225	ppbv		94
48) Dibromochloromethane	10.44	129	20776	0.182	ppbv	#	11
49) Bromoform	13.19	173	31202	0.288	ppbv	#	83
50) 4-Methyl-2-Pentanone	8.88	43	74318	0.435	ppbv		98
51) 2-Hexanone	10.29	43	48836	0.371	ppbv	#	97
52) Tetrachloroethene	11.37	164	18104	0.264	ppbv		86
53) Toluene	9.94	91	72434	0.387	ppbv		100
54) 1,2-Dibromoethane	10.76	107	45680	0.396	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.27	131	41614	0.493	ppbv	#	1
57) Chlorobenzene	12.30	112	37310	0.250	ppbv	#	89
58) Ethyl Benzene	12.86	91	105200	0.394	ppbv		97
59) m/p-Xylene	13.12	91	97227	0.424	ppbv	#	100
60) o-Xylene	13.84	91	96949	0.433	ppbv		99
61) Styrene	13.68	104	56132	0.358	ppbv		97
62) Isopropylbenzene	14.82	105	134797	0.433	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	78289	0.484	ppbv		97
64) n-propylbenzene	15.71	120	20269	0.257	ppbv		97
65) tert-Butylbenzene	16.90	119	56407	0.201	ppbv	#	17
66) Benzyl Chloride	17.15	91	19720	0.170	ppbv	#	79
67) sec-Butylbenzene	17.45	105	164826	0.415	ppbv		99
69) p-Isopropyltoluene	17.81	119	127570	0.393	ppbv		98
70) n-Butylbenzene	18.71	91	142360	0.412	ppbv		95
71) 2-Chlorotoluene	15.61	91	96773	0.400	ppbv		98
72) 4-Ethyltoluene	15.99	105	93939	0.370	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.15	105	98429	0.398	ppbv		93
74) 1,2,4-Trimethylbenzene	16.92	105	113706	0.434	ppbv	#	90
75) 1,3-Dichlorobenzene	17.16	146	51525	0.333	ppbv	#	63
76) 1,4-Dichlorobenzene	17.30	146	67542	0.451	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	27536	0.188	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.54	225	26546	0.303	ppbv	#	25
79) Naphthalene	22.41	128	91044	0.360	ppbv		100
80) Naphthalene,2-methyl-	25.12	142	30868	0.258	ppbv		92
81) 1,2,4-Trichlorobenzene	22.13	180	33419	0.259	ppbv	#	42

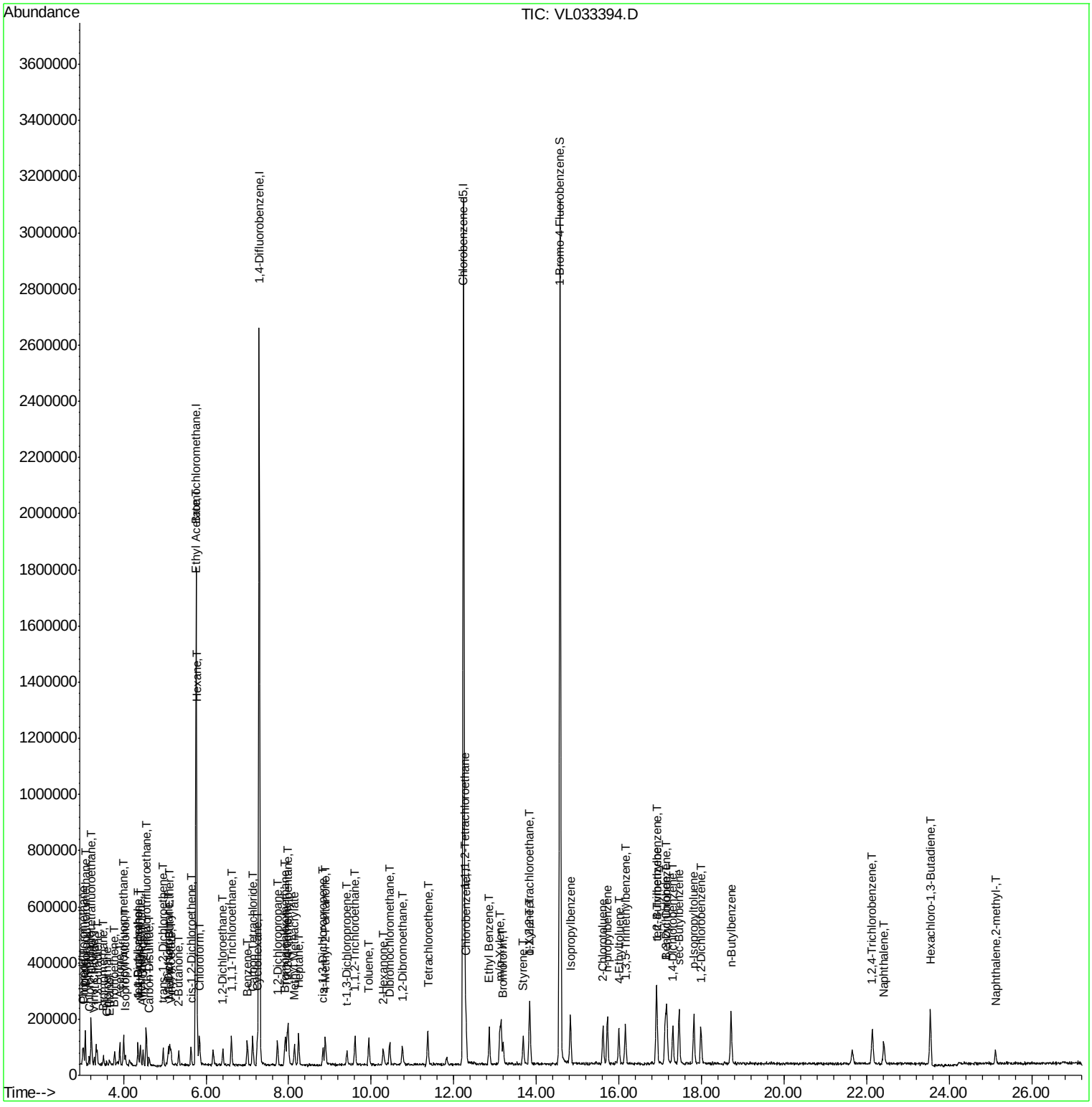
(#) = qualifier out of range (m) = manual integration (+) = signals summed

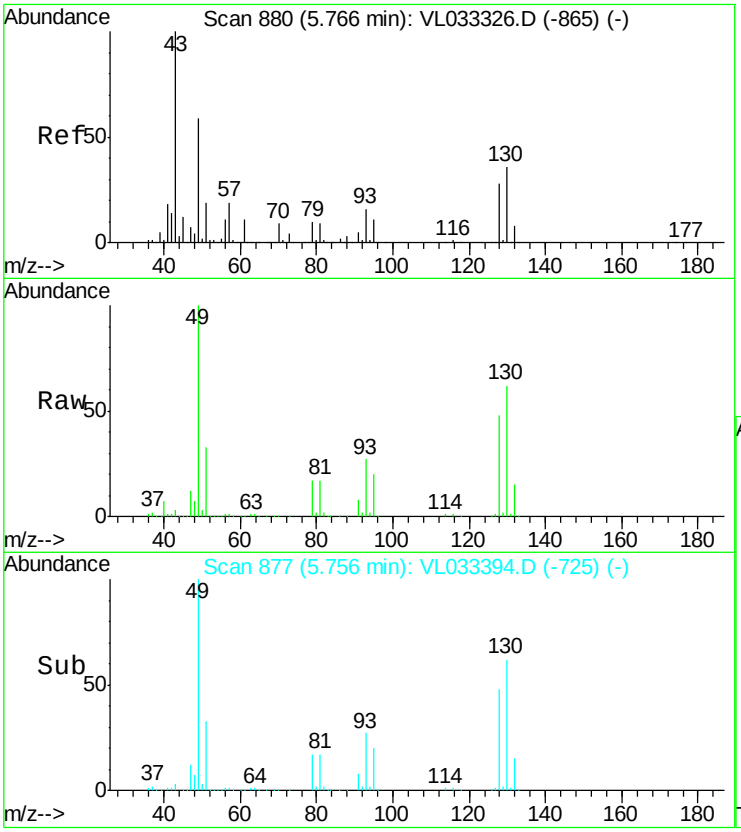
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033394.D
Acq On : 20 Mar 2019 17:49
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:37:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



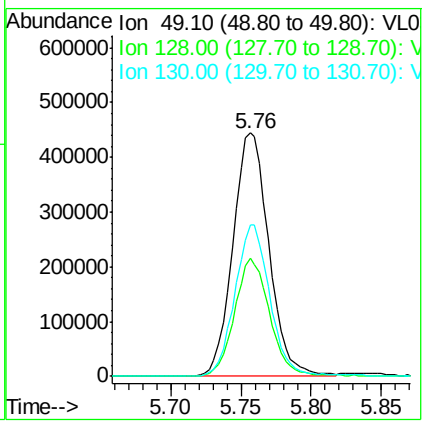


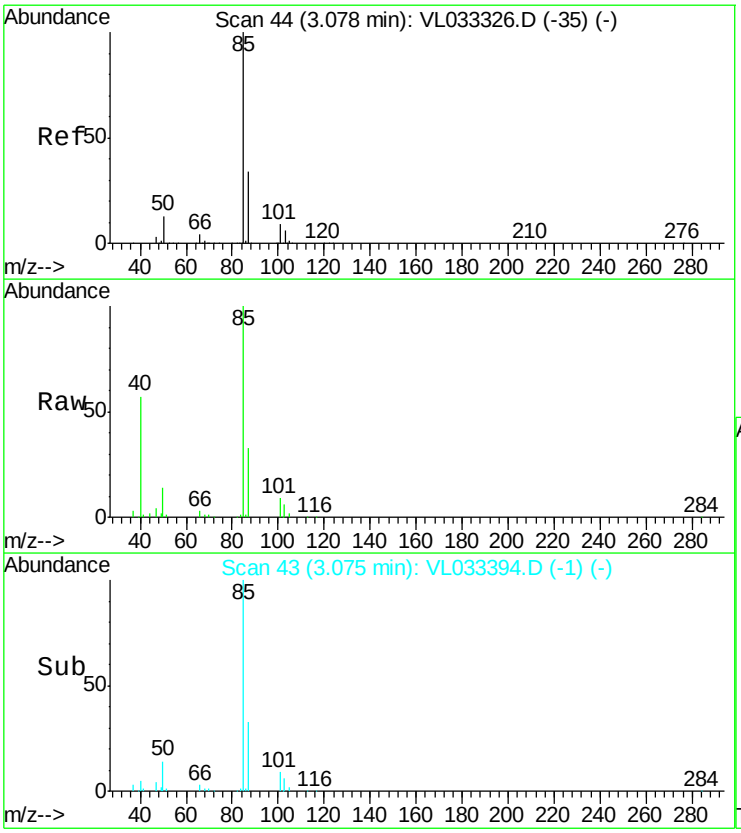
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 49 Resp: 796363

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.5	70.6
130	60.9	30.1	90.3

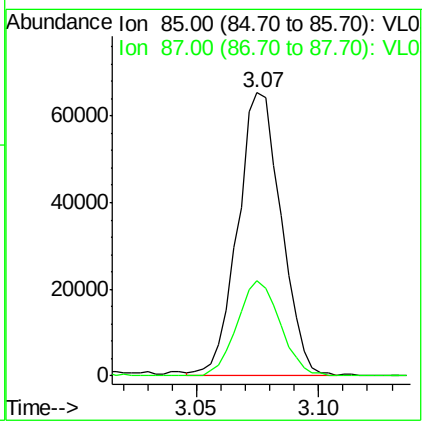


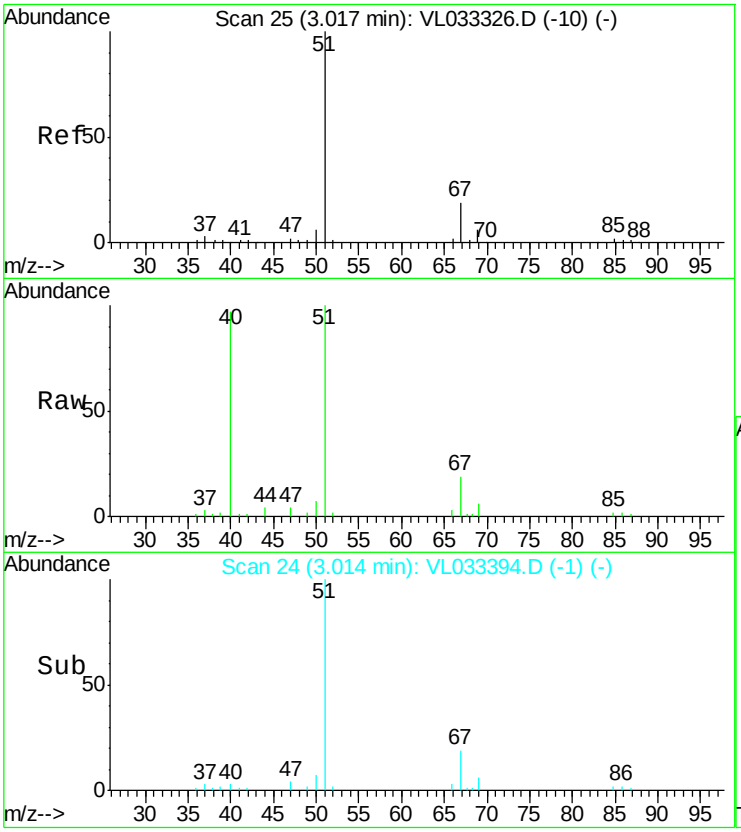


#2
Dichlorodifluoromethane
Concen: 0.576 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 85 Resp: 80604

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.9	40.3



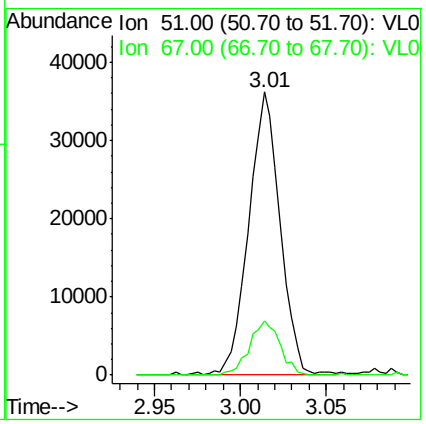


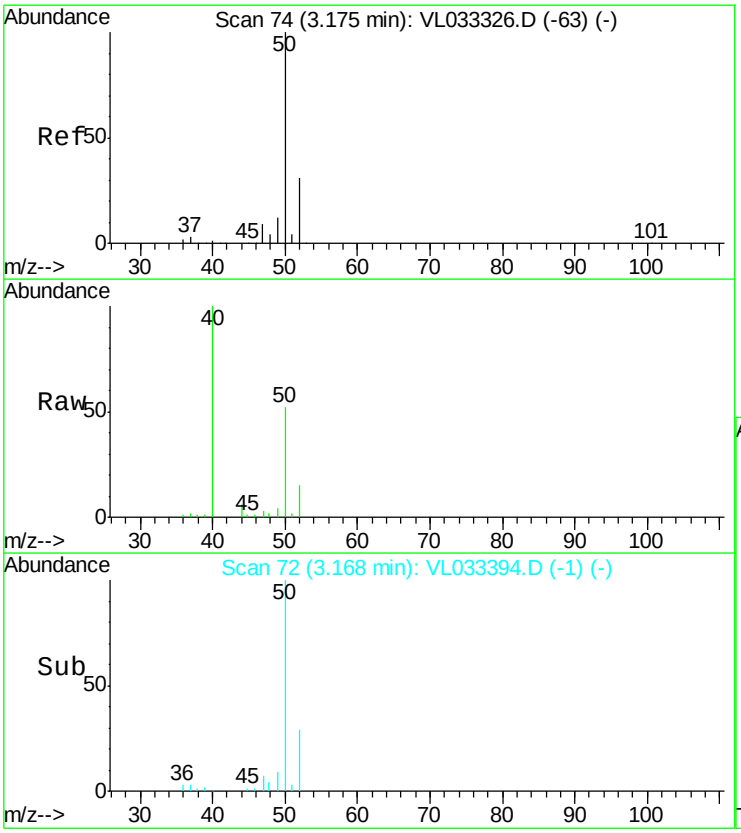
#3
Chlorodifluoromethane
Concen: 0.501 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 51 Resp: 45806

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3

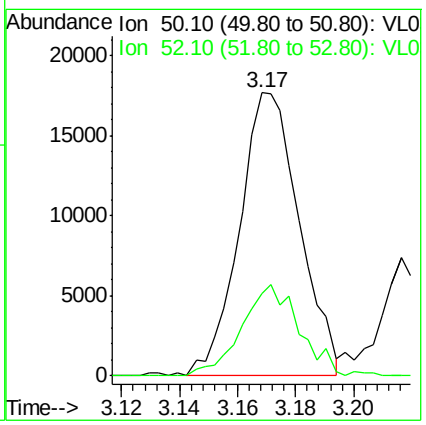


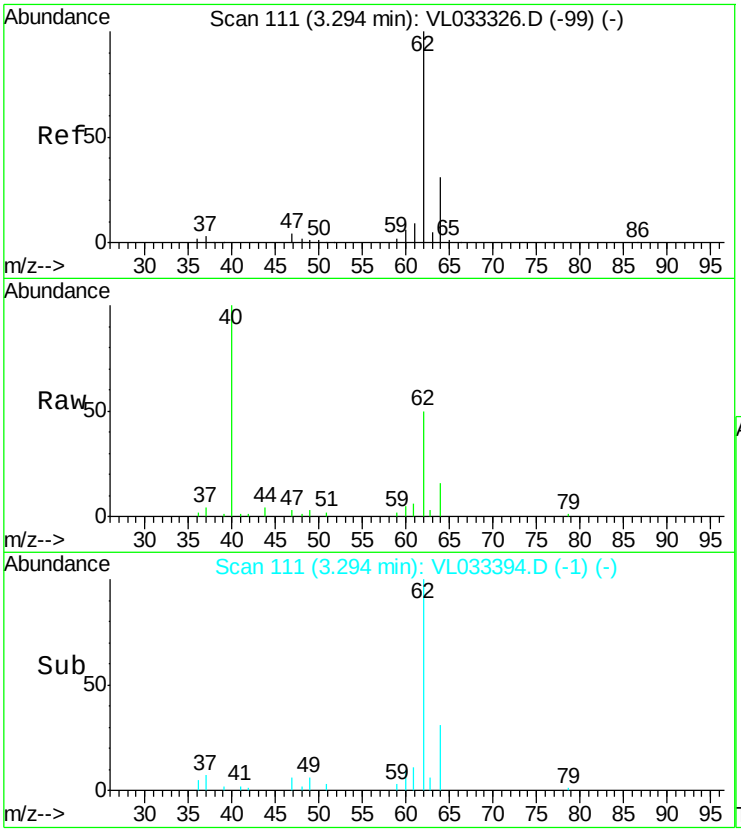


#4
Chloromethane
Concen: 0.514 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 50 Resp: 25432

Ion	Ratio	Lower	Upper
50	100		
52	29.1	25.0	37.6



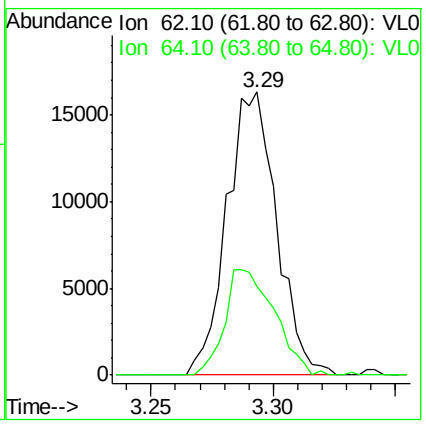


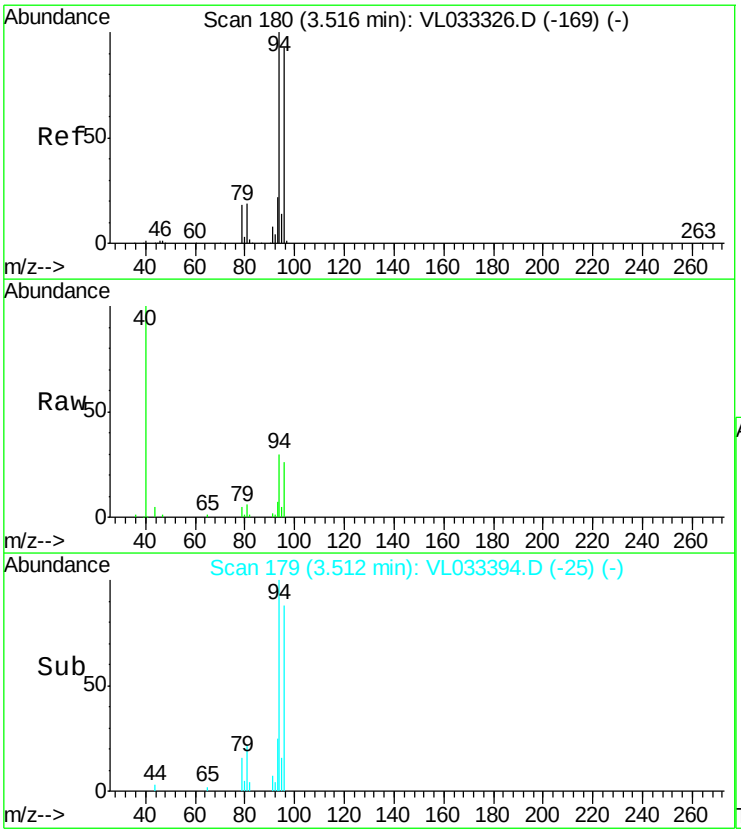
#5
Vinyl Chloride
Concen: 0.452 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 23093

Ion	Ratio	Lower	Upper
62	100		
64	29.7	25.0	37.6

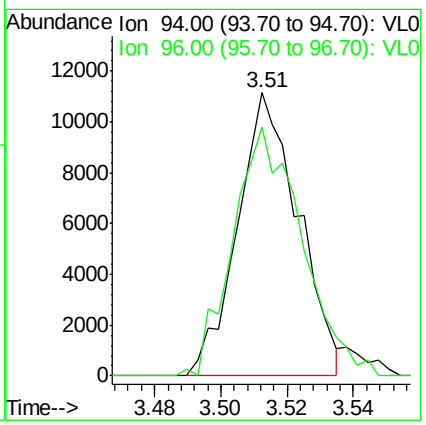


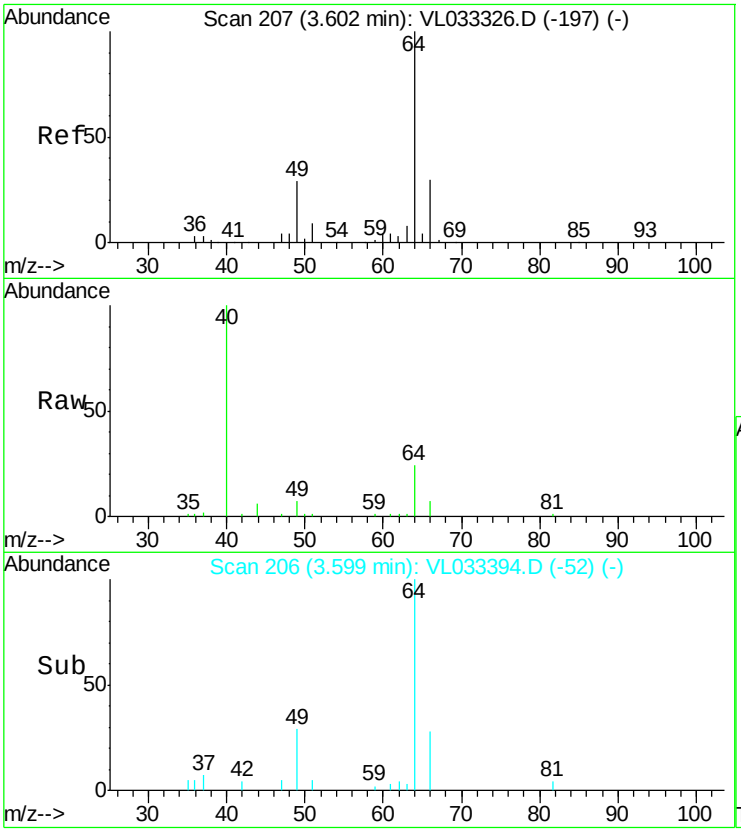


#6
Bromomethane
Concen: 0.468 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 94 Resp: 14195

Ion	Ratio	Lower	Upper
94	100		
96	85.5	74.6	111.8



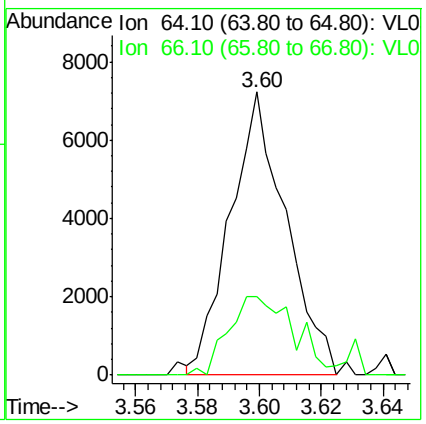


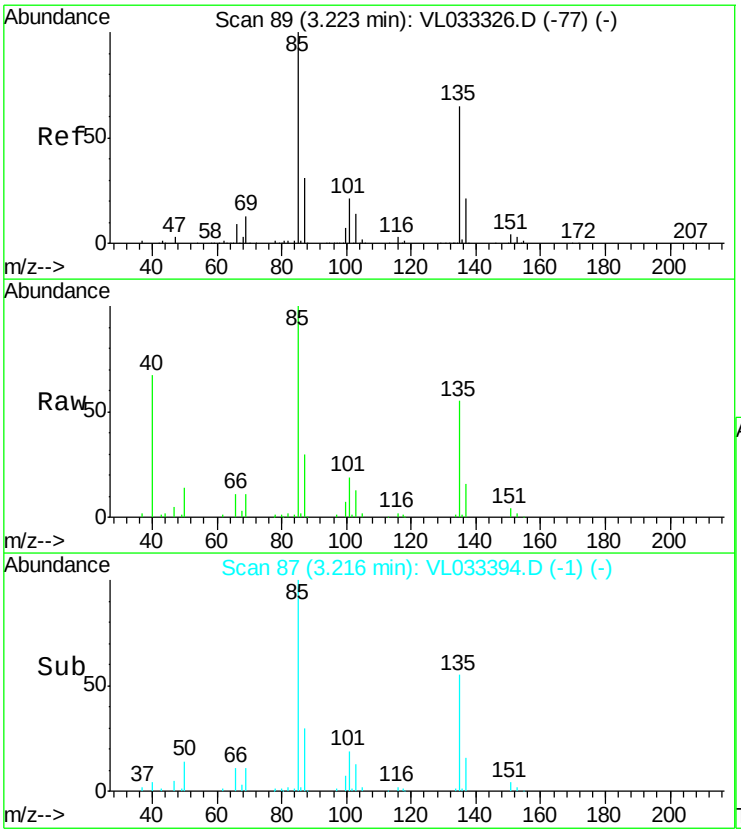
#7
Chloroethane
Concen: 0.507 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 64 Resp: 9040

Ion	Ratio	Lower	Upper
64	100		
66	27.7	24.0	36.0

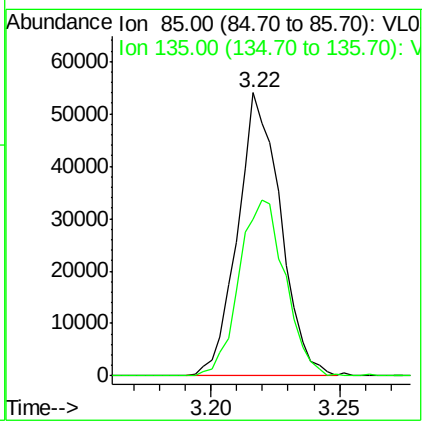


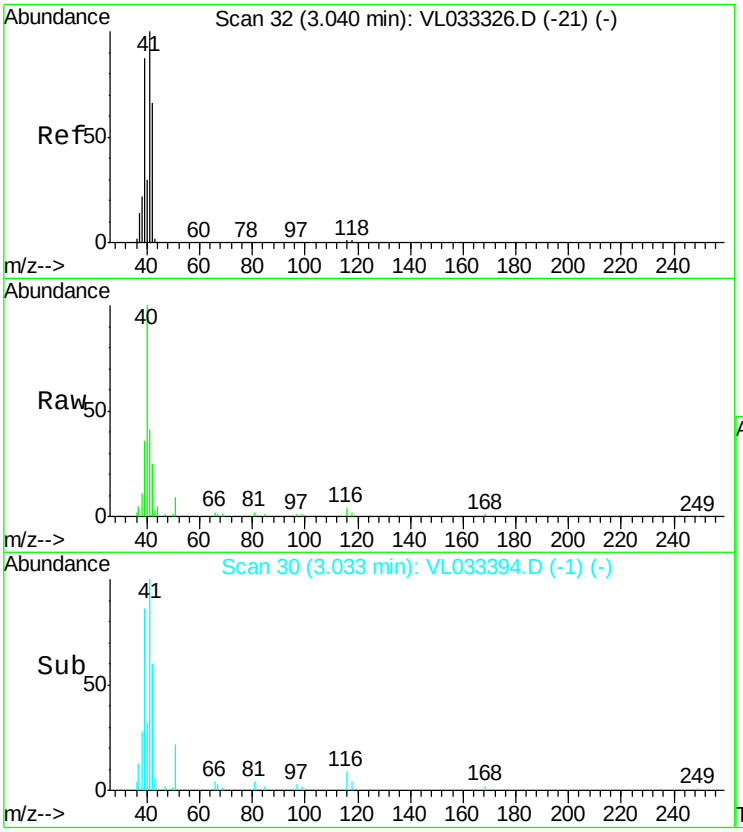


#8
Dichlorotetrafluoroethane
Concen: 0.523 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 85 Resp: 62393

Ion	Ratio	Lower	Upper
85	100		
135	66.8	53.4	80.2



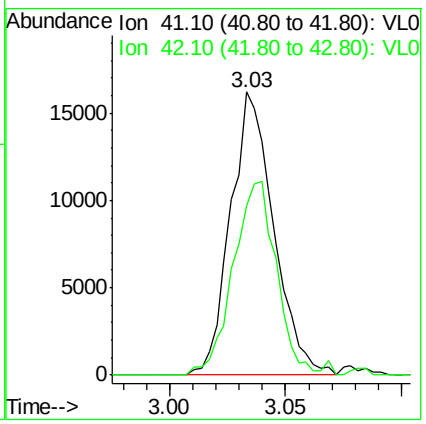


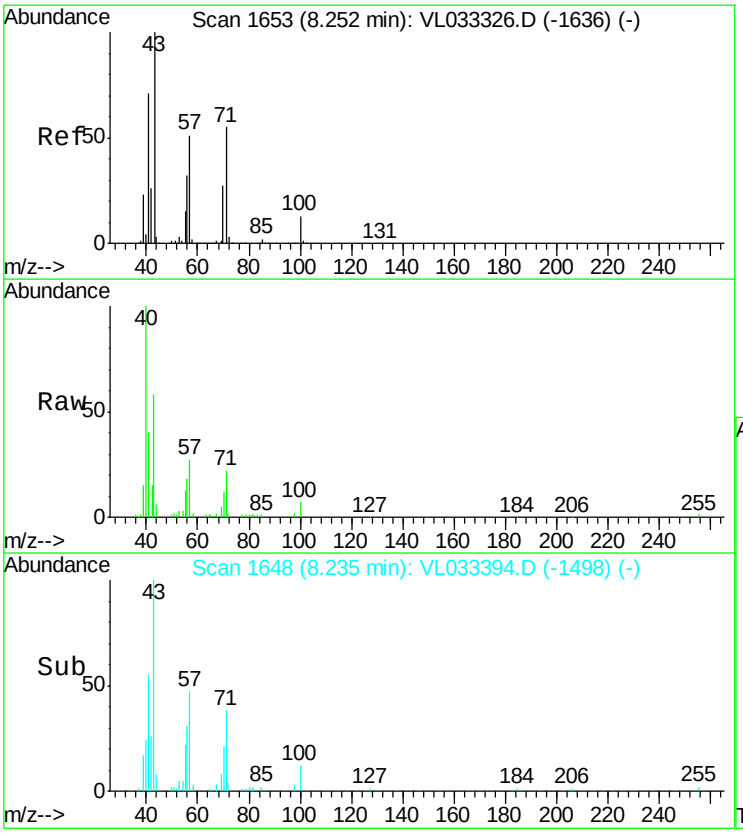
#9
Propene
Concen: 0.513 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 41 Resp: 20933

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.2	82.8

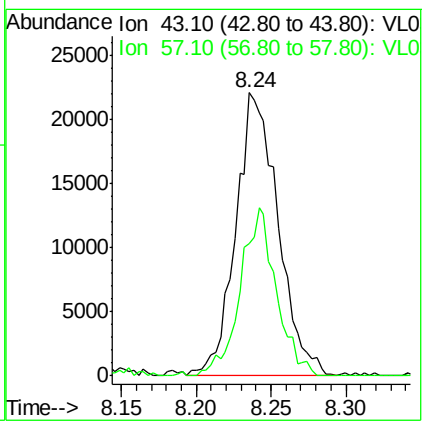


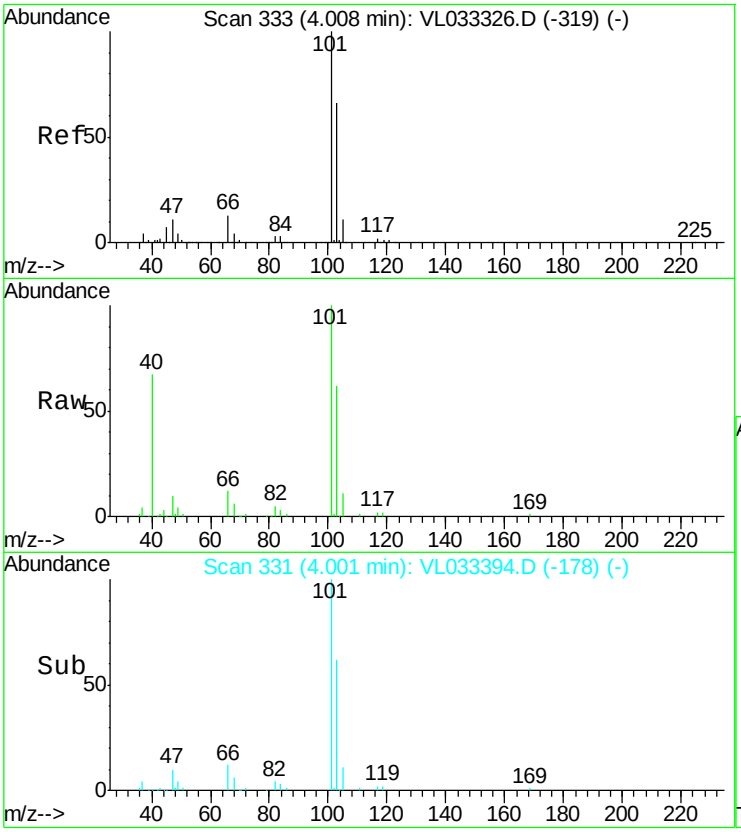


#10
Heptane
Concen: 0.430 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 43 Resp: 43501

Ion	Ratio	Lower	Upper
43	100		
57	50.6	40.4	60.6



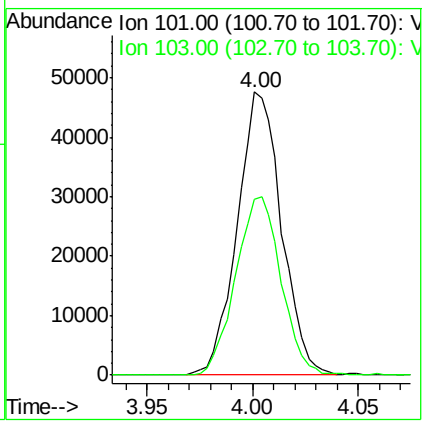


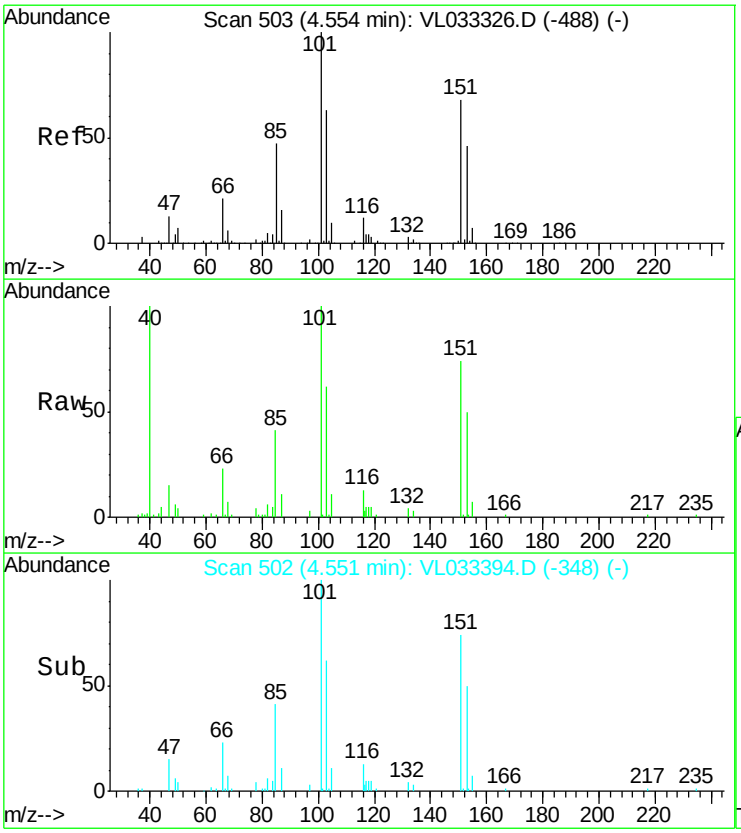
#11
Trichlorofluoromethane
Concen: 0.497 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:101 Resp: 69284

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.9	79.3

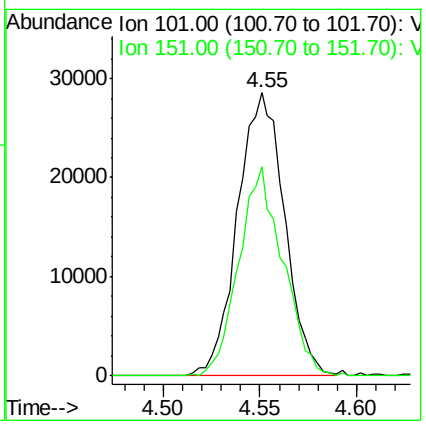


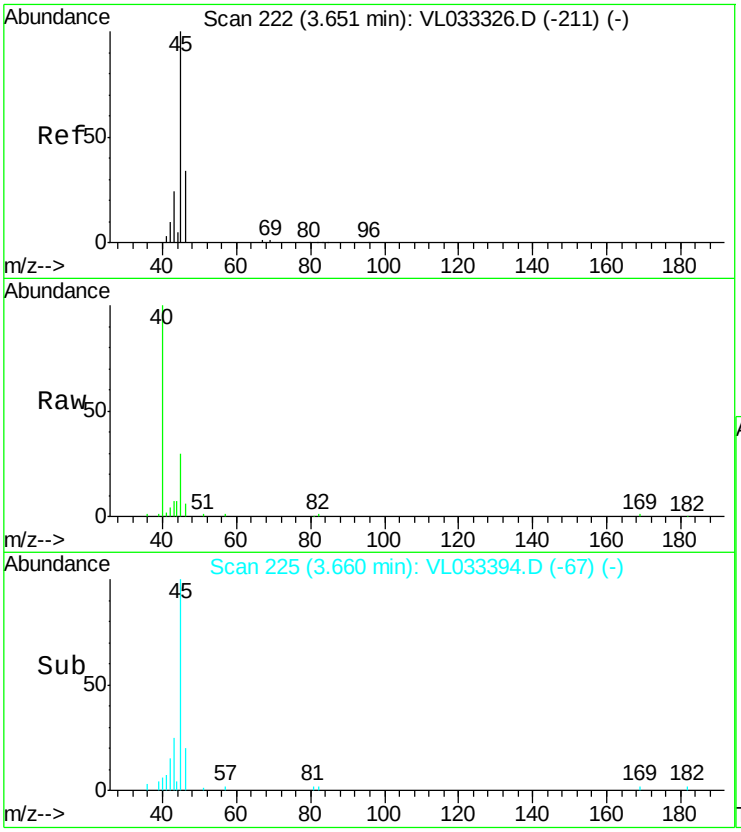


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.521 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:101 Resp: 48160

Ion	Ratio	Lower	Upper
101	100		
151	69.1	56.3	84.5



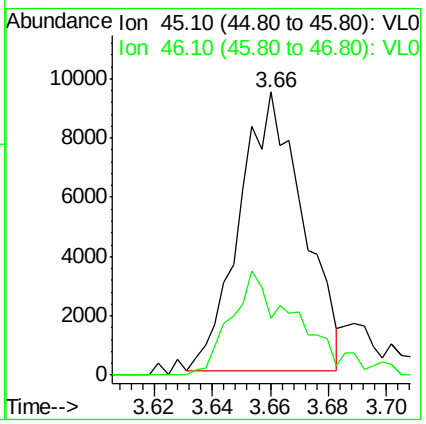


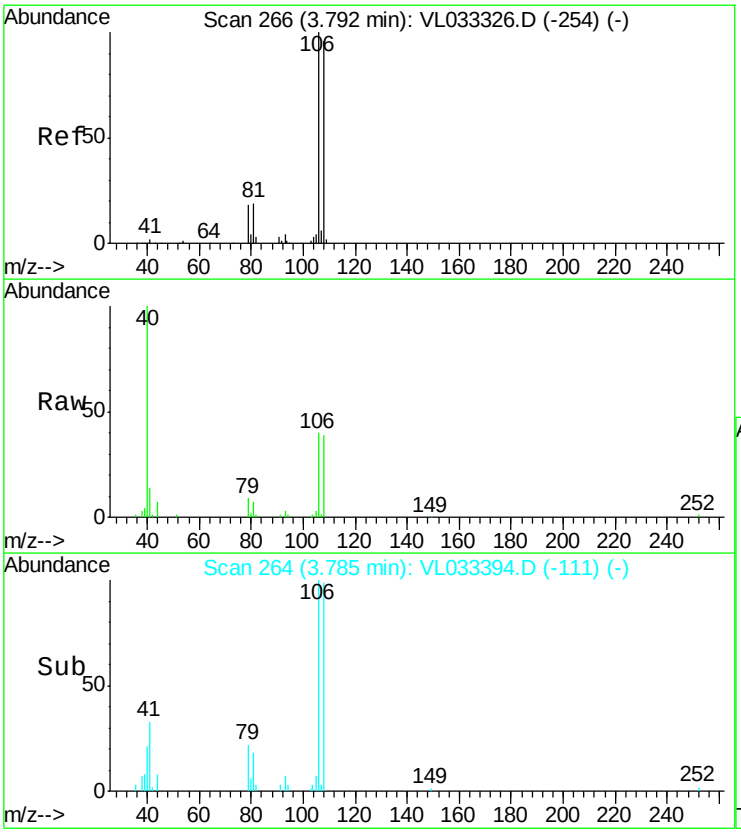
#13
Ethanol
Concen: 0.733 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 45 Resp: 14265

Ion	Ratio	Lower	Upper
45	100		
46	39.8	14.9	59.7

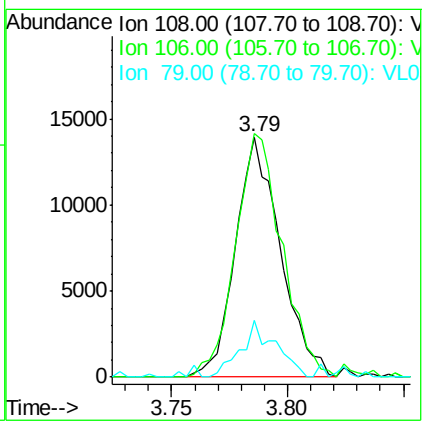


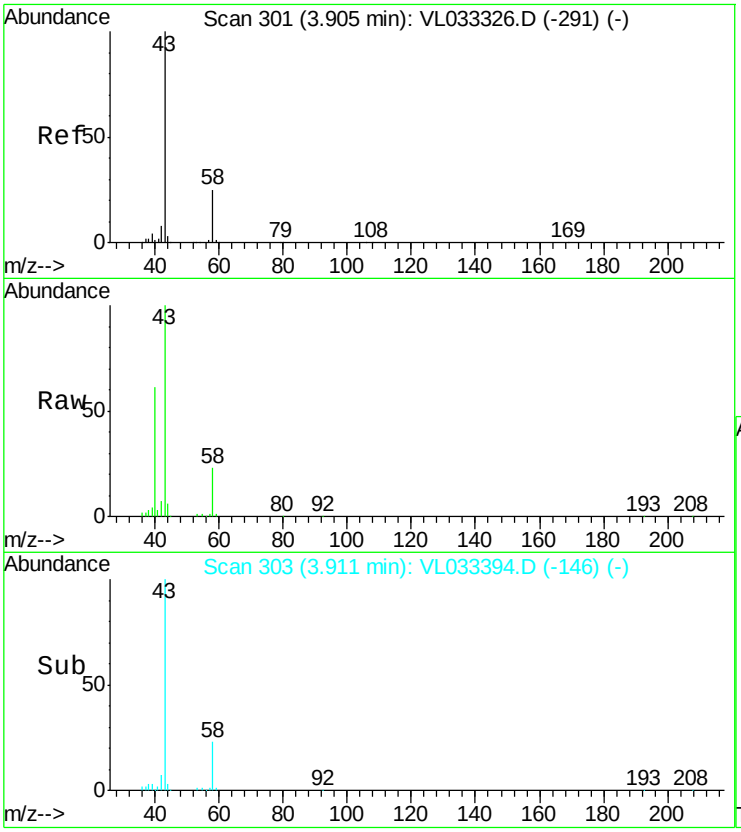


#14
Bromoethene
Concen: 0.485 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:108 Resp: 18712

Ion	Ratio	Lower	Upper
108	100		
106	107.2	86.2	129.2
79	20.2	15.4	23.2



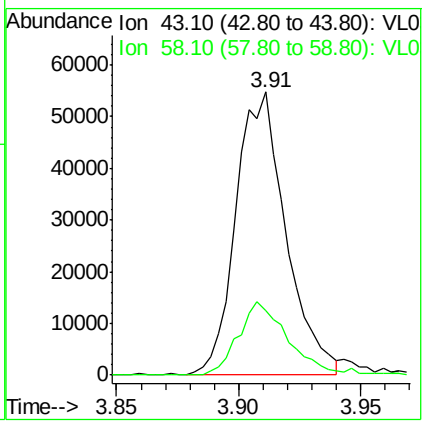


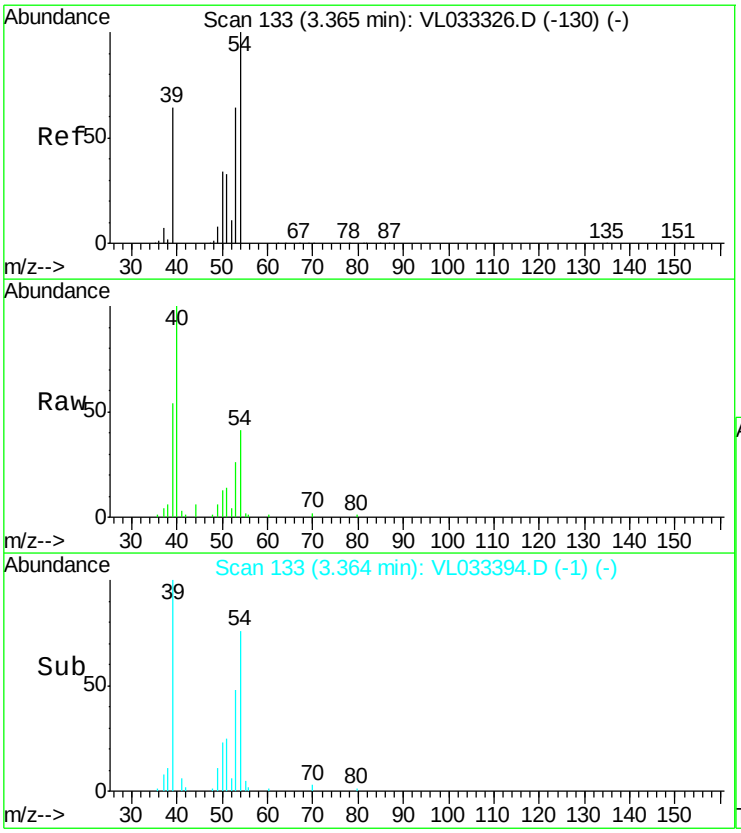
#15
Acetone
Concen: 0.624 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 77299

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.4	30.6

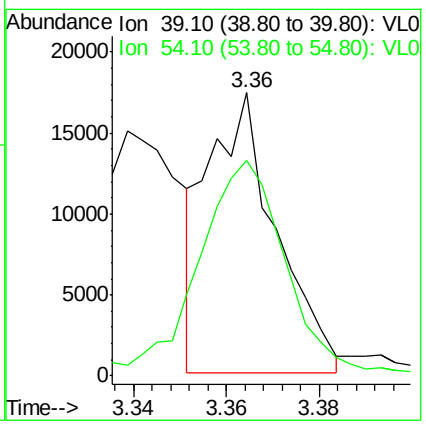


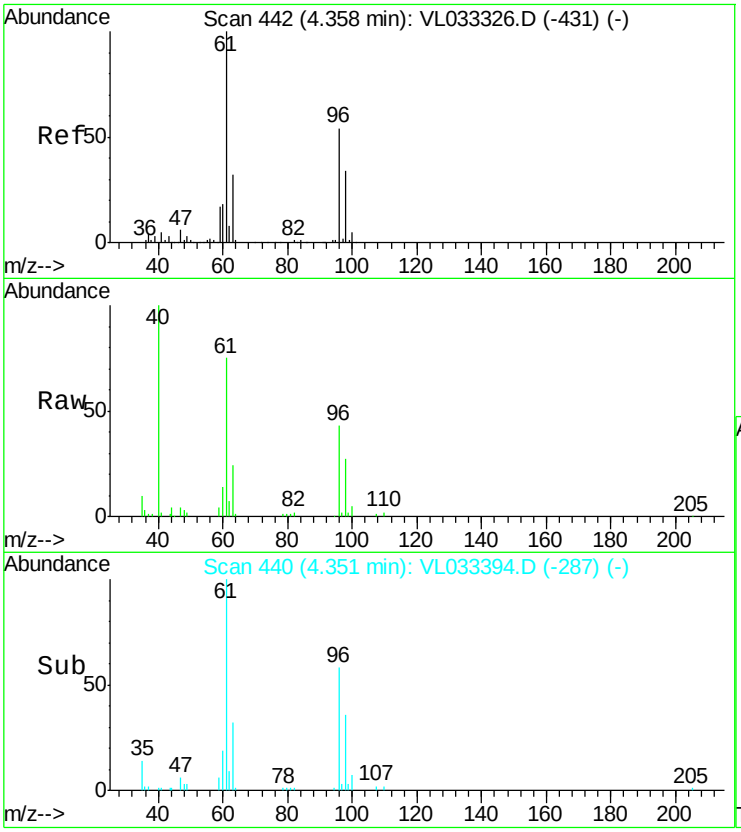


#16
1,3-Butadiene
Concen: 0.436 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 39 Resp: 17543

Ion	Ratio	Lower	Upper
39	100		
54	100.8	76.8	115.2



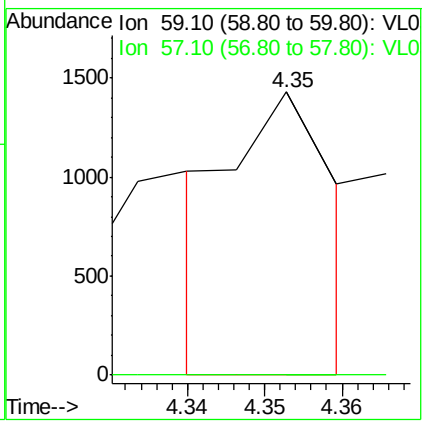


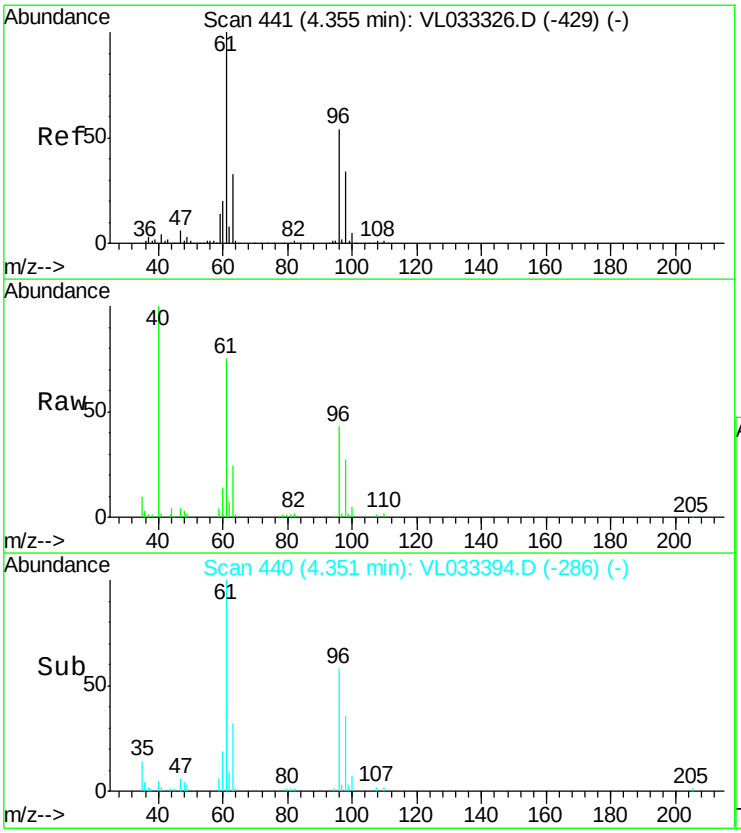
#17
tert-Butyl alcohol
Concen: 0.038 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 59 Resp: 662

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

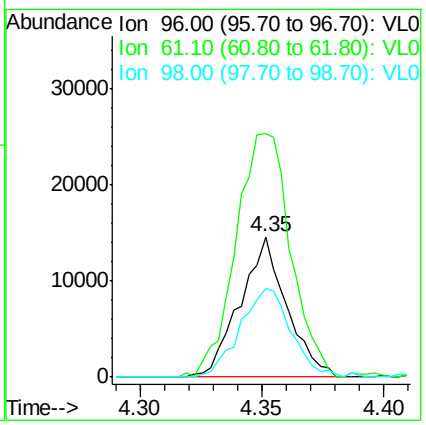


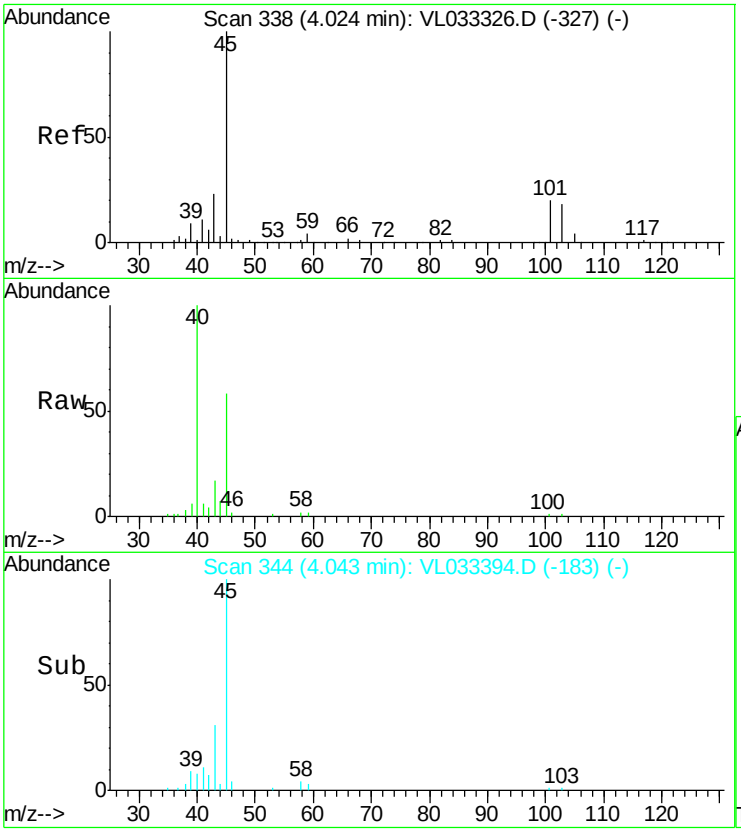


#18
1,1-Dichloroethene
Concen: 0.455 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 96 Resp: 19251

Ion	Ratio	Lower	Upper
96	100		
61	173.5	148.6	222.8
98	63.3	50.3	75.5



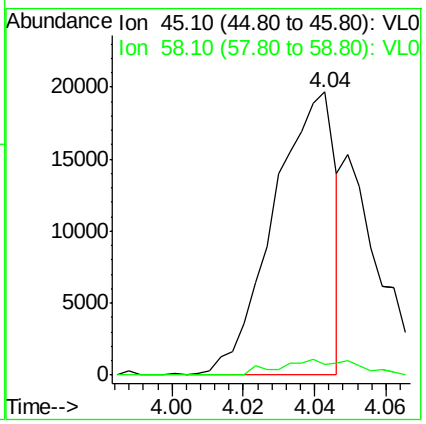


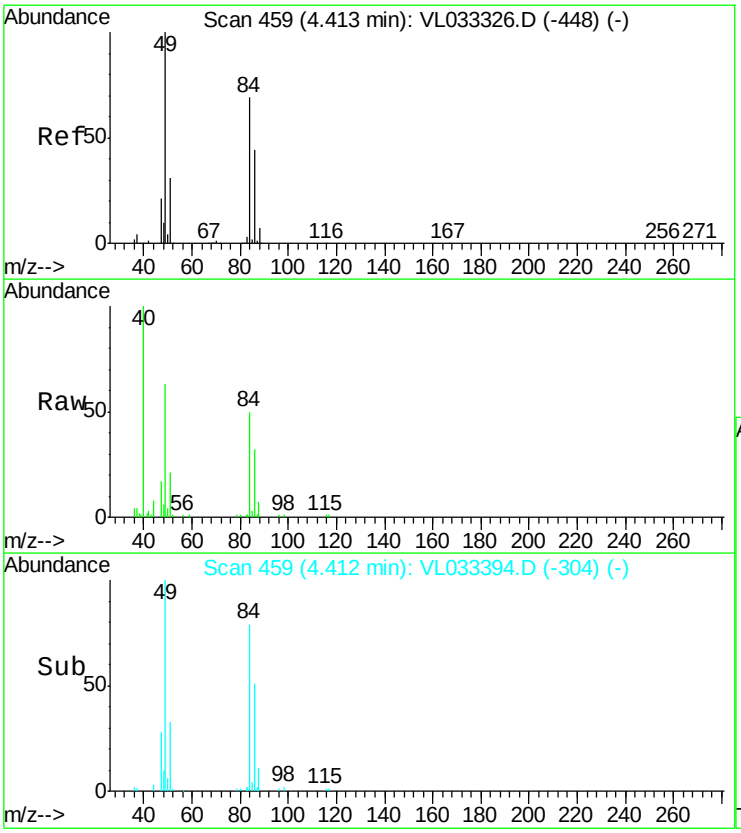
#19
Isopropyl Alcohol
Concen: 0.397 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 45 Resp: 23386

Ion	Ratio	Lower	Upper
45	100		
58	7.6	1.5	2.3#

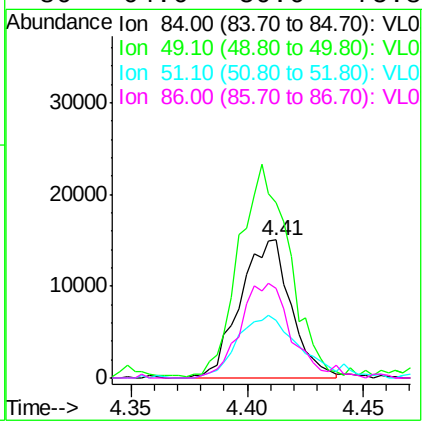


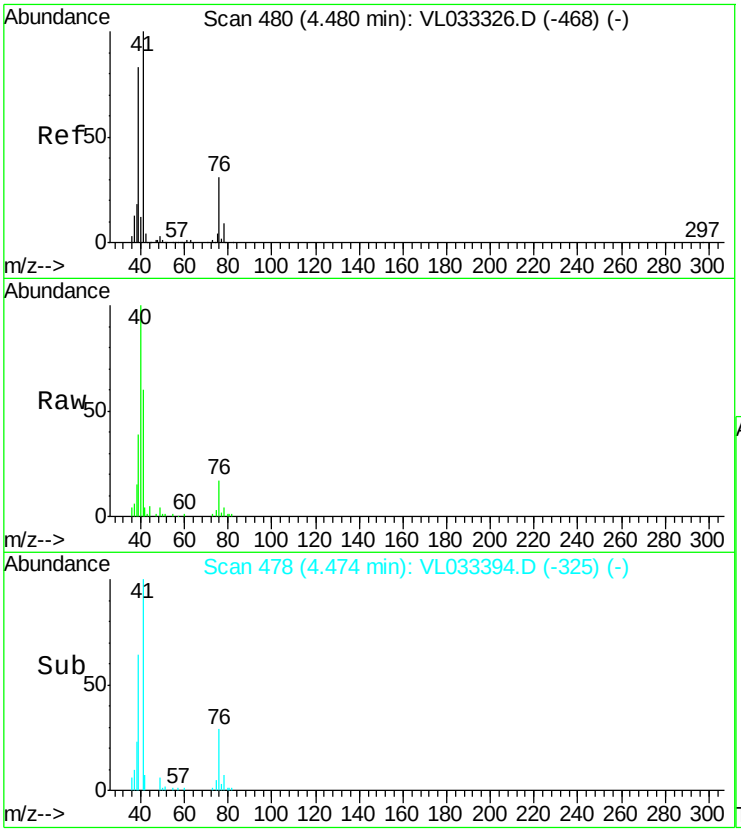


#20
Methylene Chloride
Concen: 0.570 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 84 Resp: 22997

Ion	Ratio	Lower	Upper
84	100		
49	125.3	115.4	173.0
51	42.2	35.8	53.6
86	64.6	50.6	75.8



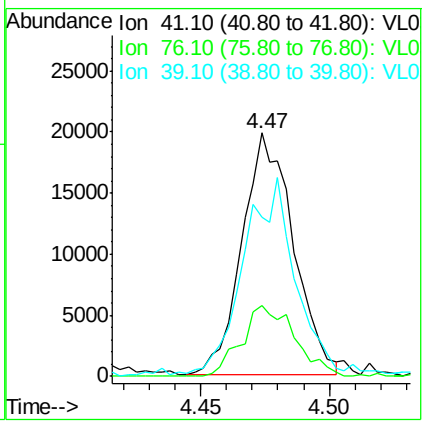


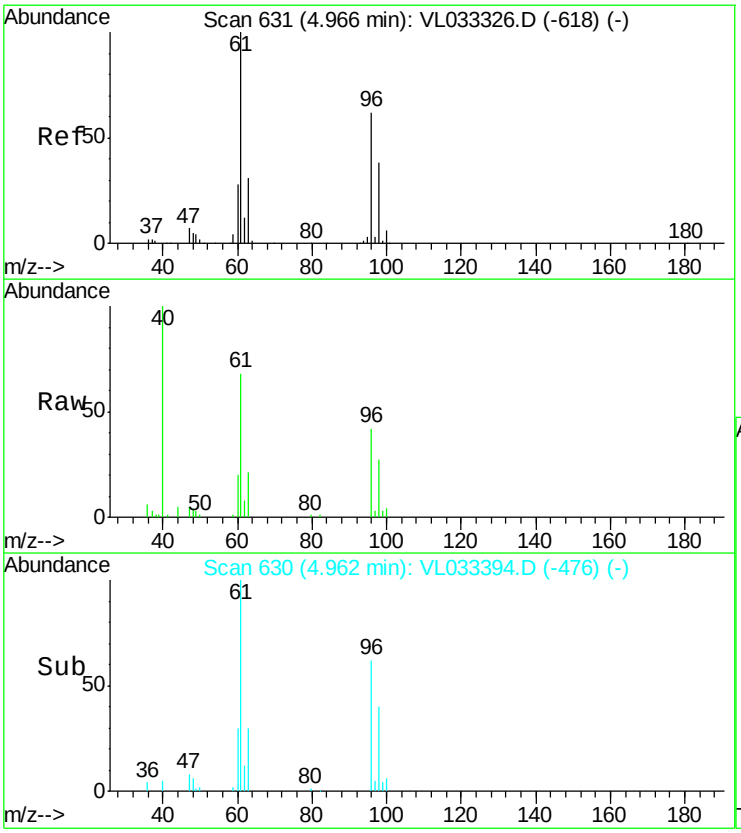
#21
Allyl Chloride
Concen: 0.457 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 41 Resp: 27430

Ion	Ratio	Lower	Upper
41	100		
76	30.9	25.0	37.4
39	86.1	65.9	98.9

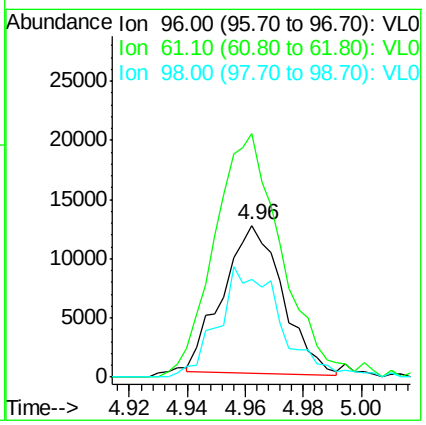


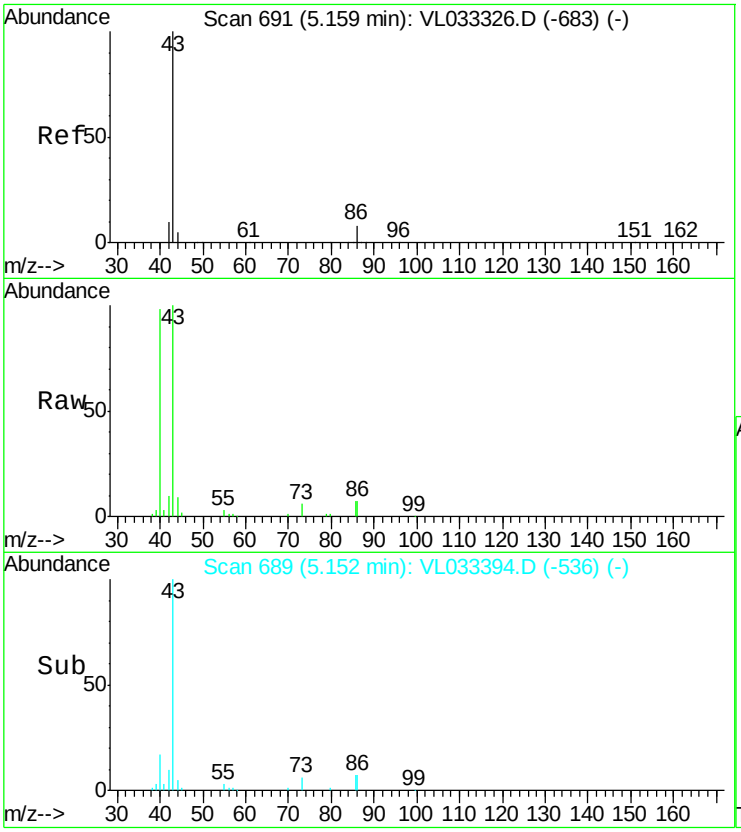


#22
trans-1,2-Dichloroethene
Concen: 0.436 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 96 Resp: 17875

Ion	Ratio	Lower	Upper
96	100		
61	153.7	130.0	195.0
98	63.4	50.0	75.0



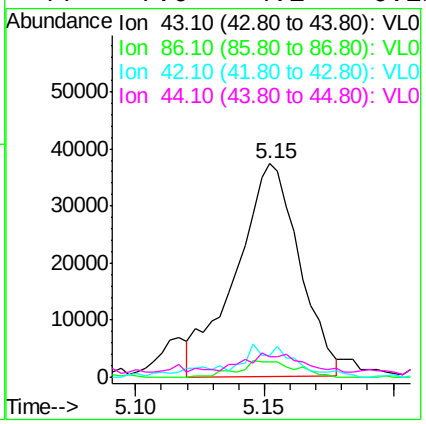


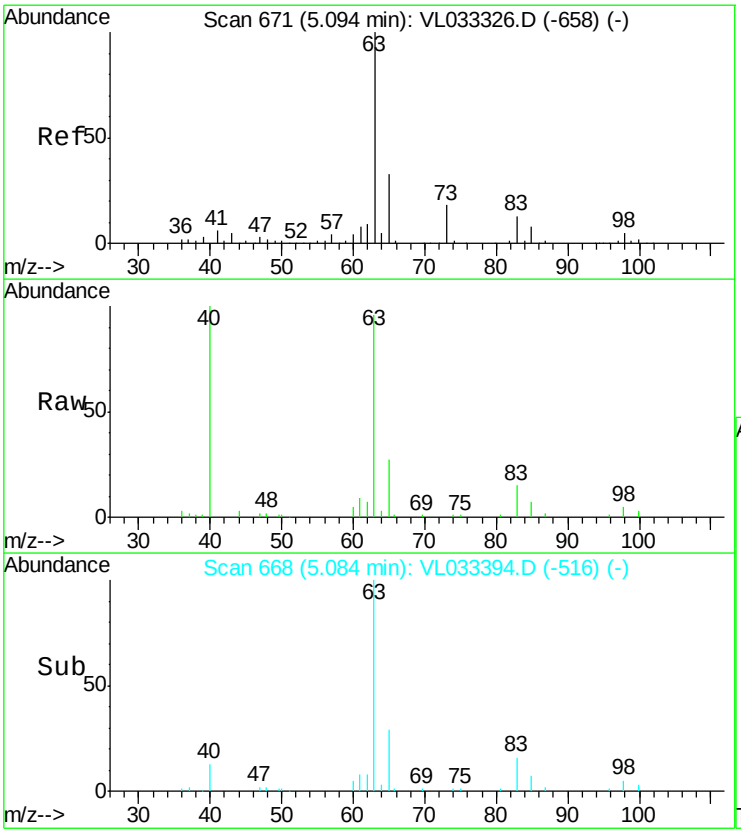
#23
Vinyl Acetate
Concen: 0.447 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 64043

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	7.4	8.1	12.1#
44	7.6	4.1	6.1#

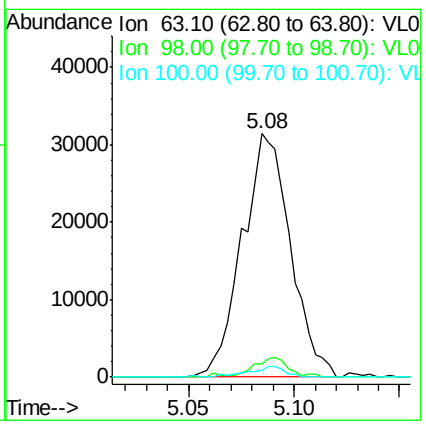


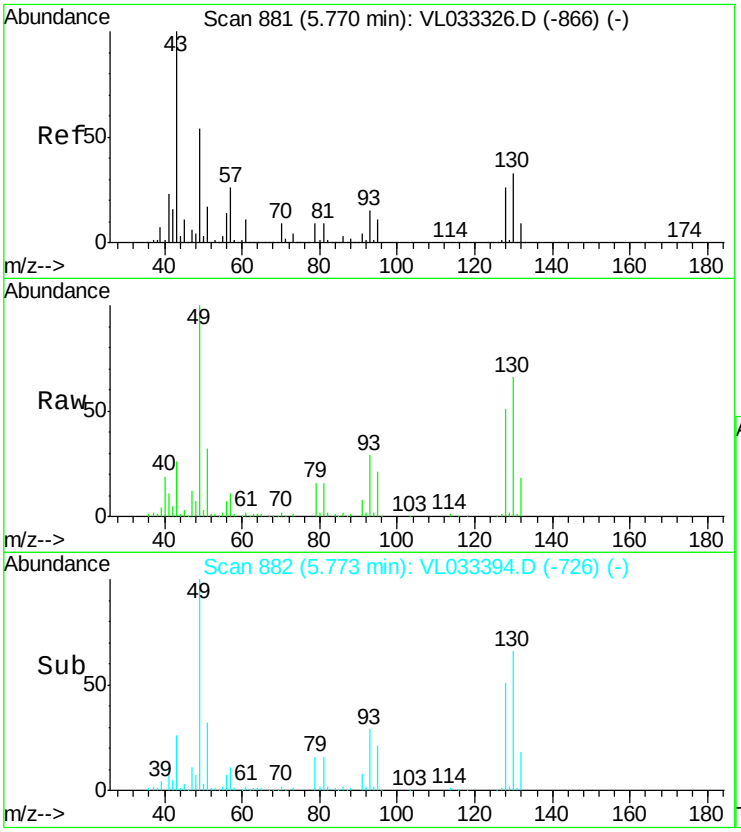


#24
1,1-Dichloroethane
Concen: 0.483 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 63 Resp: 49923

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.4	7.1
100	2.6	1.3	3.8



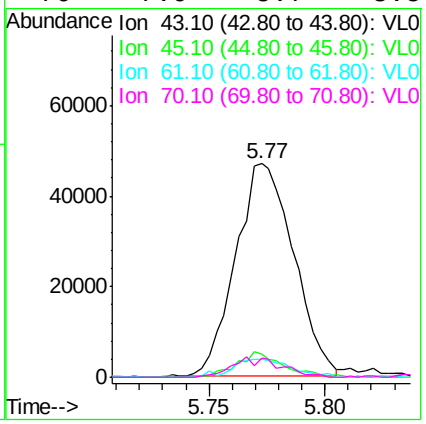


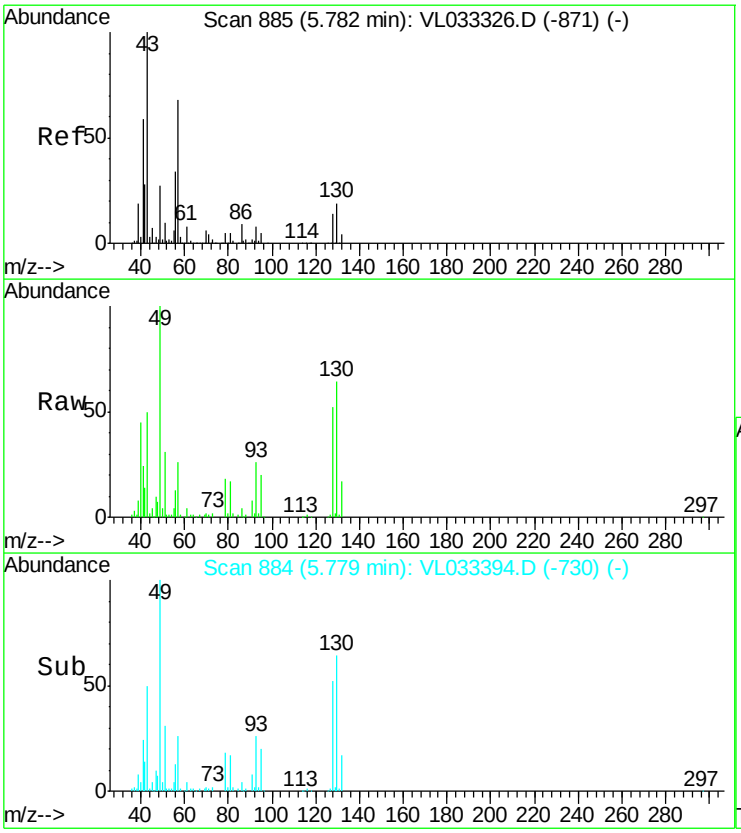
#25
Ethyl Acetate
Concen: 0.452 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 81402

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	8.8	7.4	11.2
70	7.9	5.7	8.5

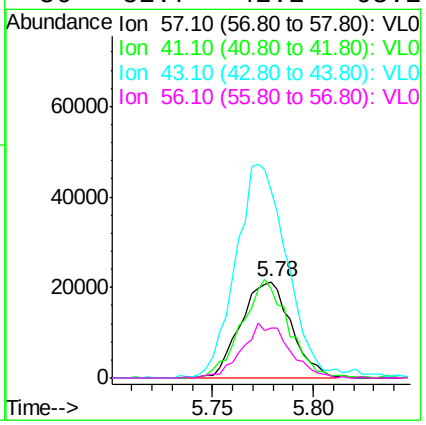


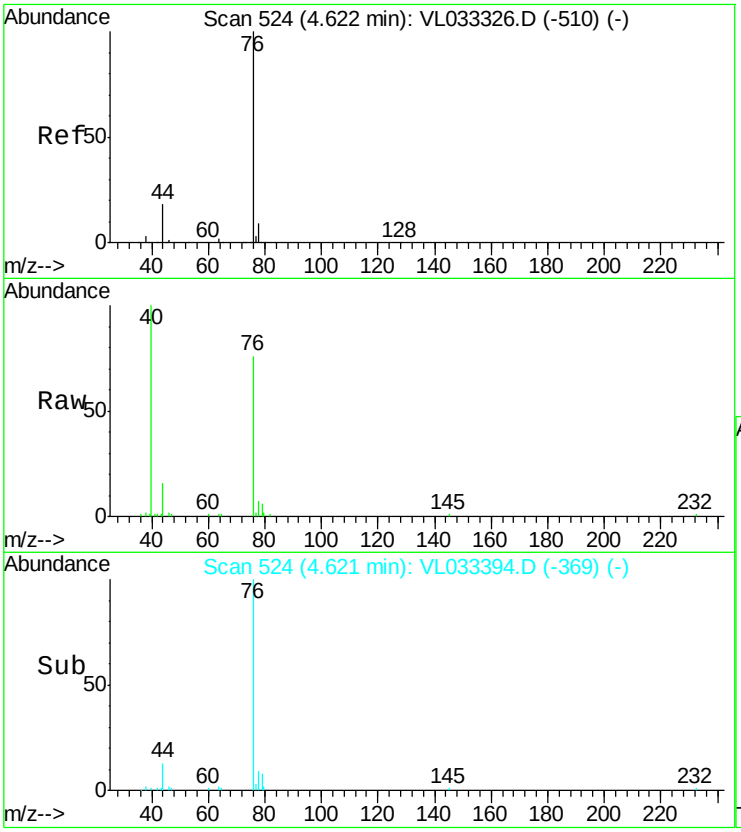


#26
Hexane
Concen: 0.462 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 57 Resp: 37195

Ion	Ratio	Lower	Upper
57	100		
41	96.2	70.5	105.7
43	231.6	181.8	272.8
56	52.7	42.2	63.2



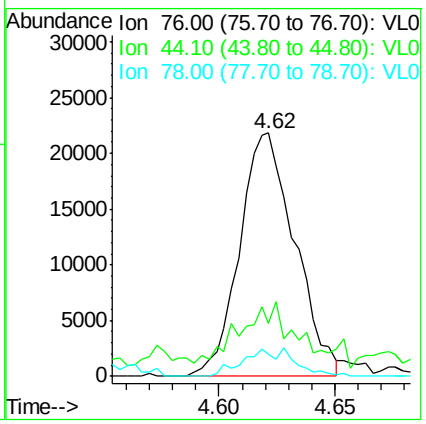


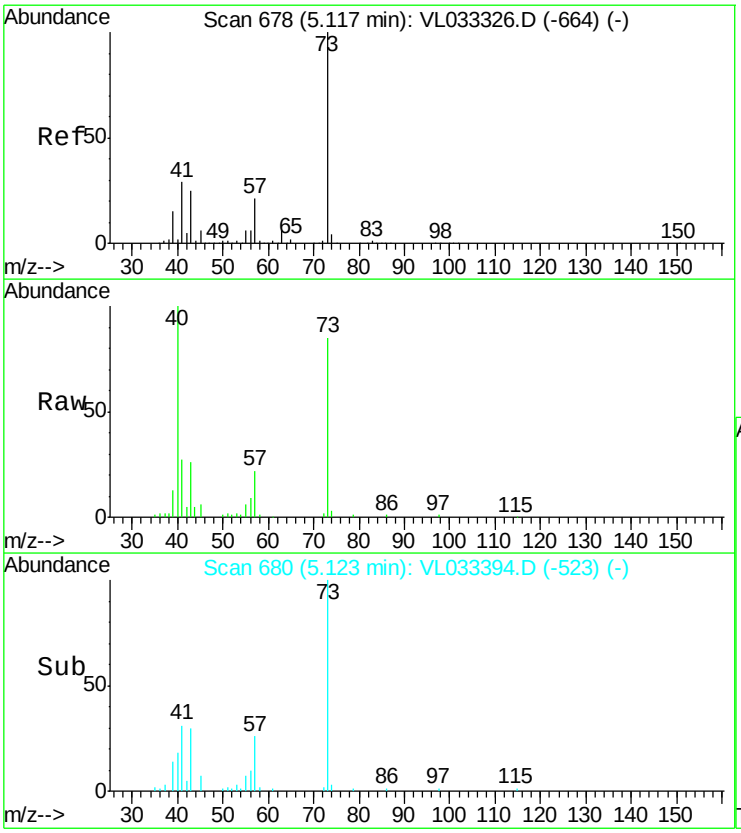
#27
Carbon Disulfide
Concen: 0.389 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 76 Resp: 36053

Ion	Ratio	Lower	Upper
76	100		
44	33.8	15.2	22.8#
78	10.7	7.2	10.8

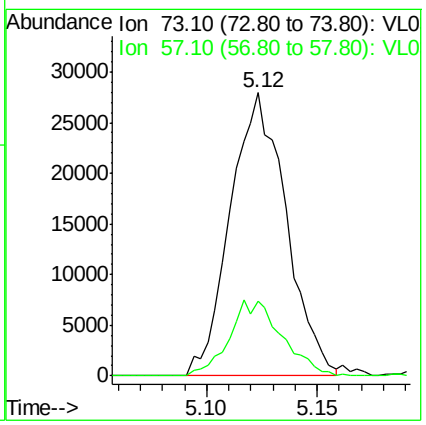


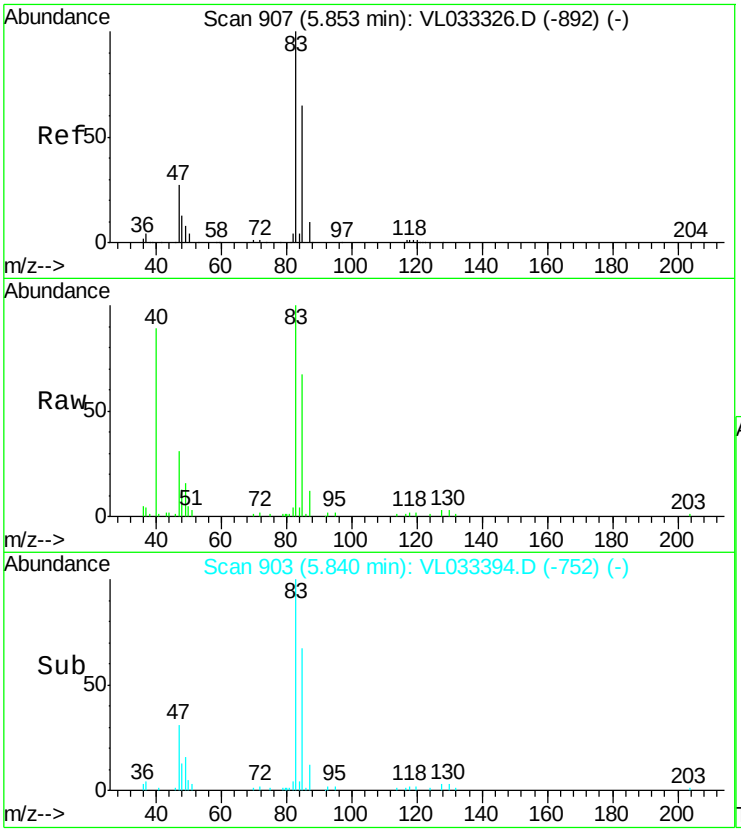


#28
Methyl tert-Butyl Ether
Concen: 0.410 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 73 Resp: 49021

Ion	Ratio	Lower	Upper
73	100		
57	25.2	17.4	26.0



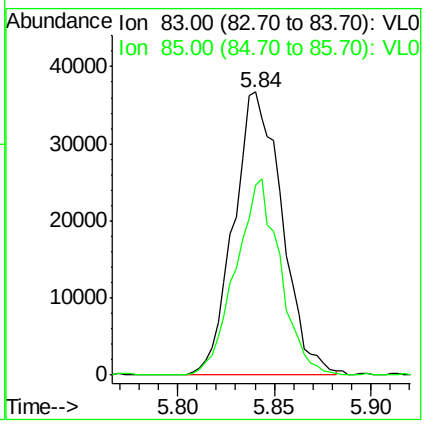


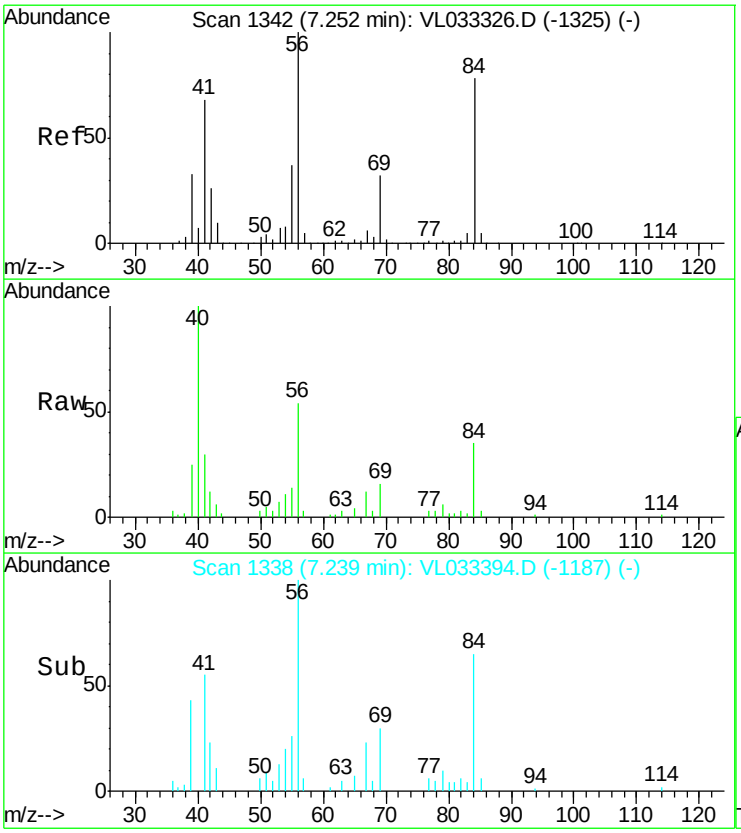
#29
Chloroform
Concen: 0.483 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 63678

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.0	78.0

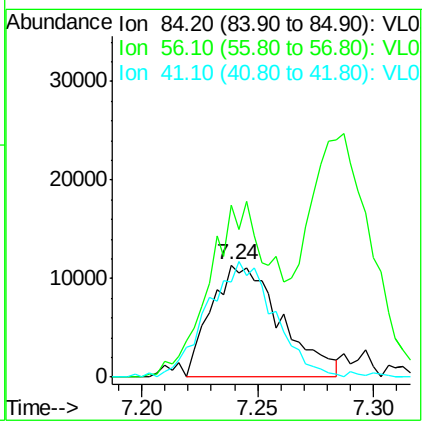


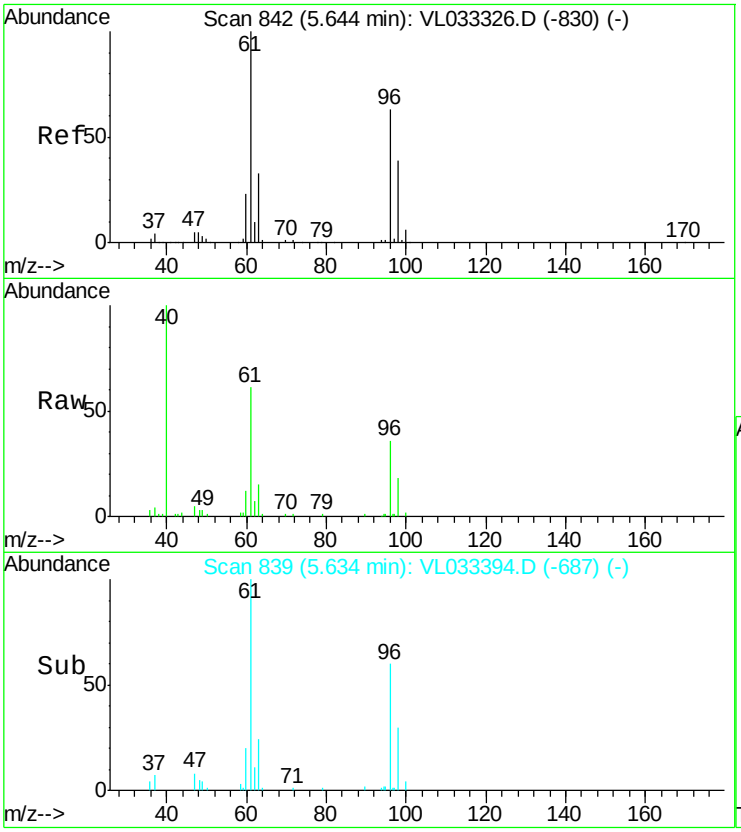


#30
Cyclohexane
Concen: 0.369 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 84 Resp: 23784

Ion	Ratio	Lower	Upper
84	100		
56	135.5	111.3	166.9
41	102.2	69.6	104.4



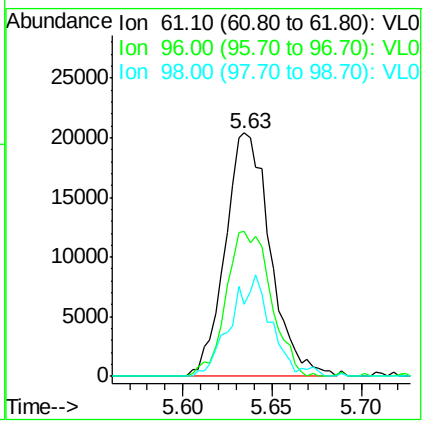


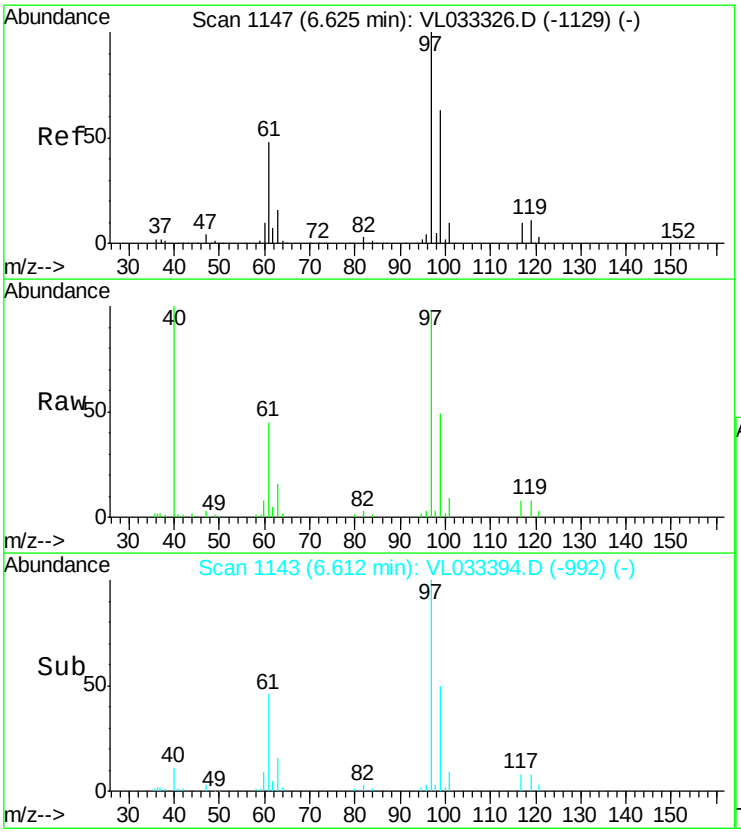
#31
cis-1,2-Dichloroethene
Concen: 0.445 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 61 Resp: 35800

Ion	Ratio	Lower	Upper
61	100		
96	60.8	50.3	75.5
98	29.8	31.5	47.3#

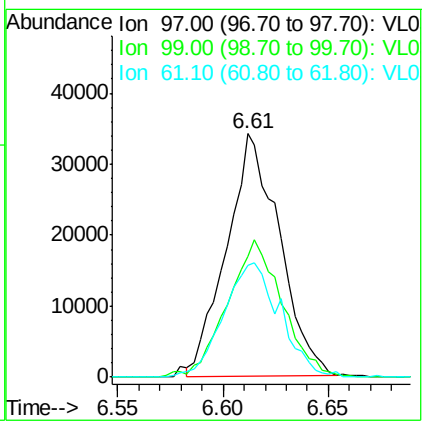


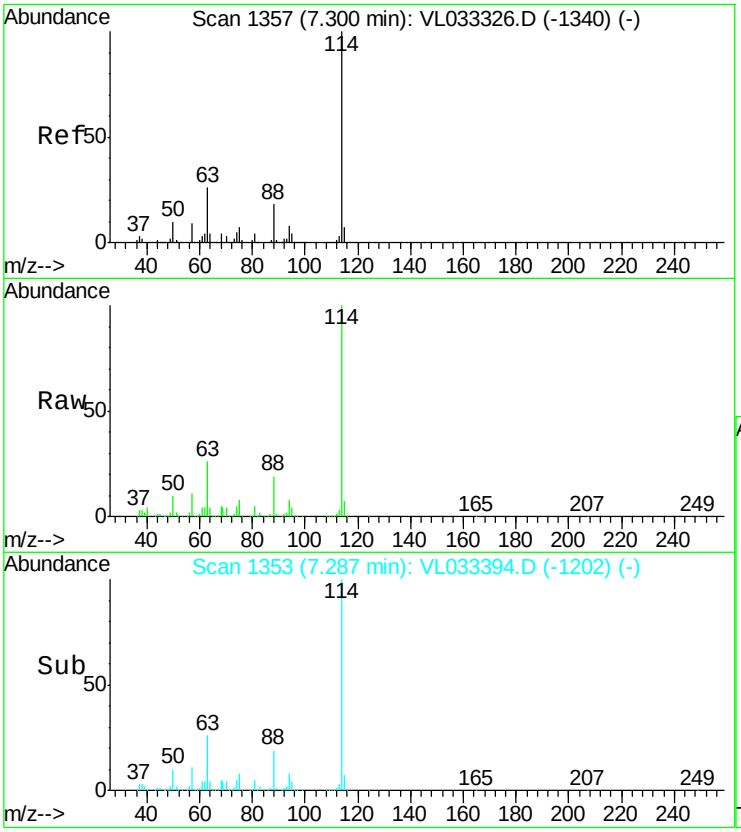


#32
1,1,1-Trichloroethane
Concen: 0.461 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 97 Resp: 59633

Ion	Ratio	Lower	Upper
97	100		
99	58.7	51.0	76.6
61	50.3	39.3	58.9



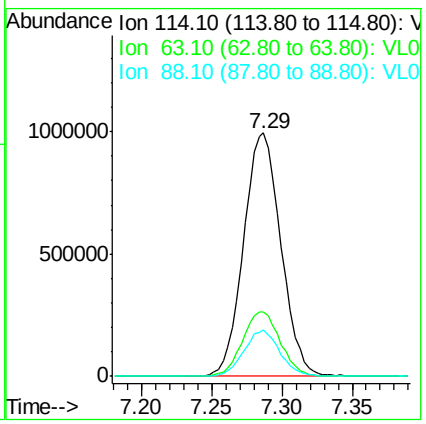


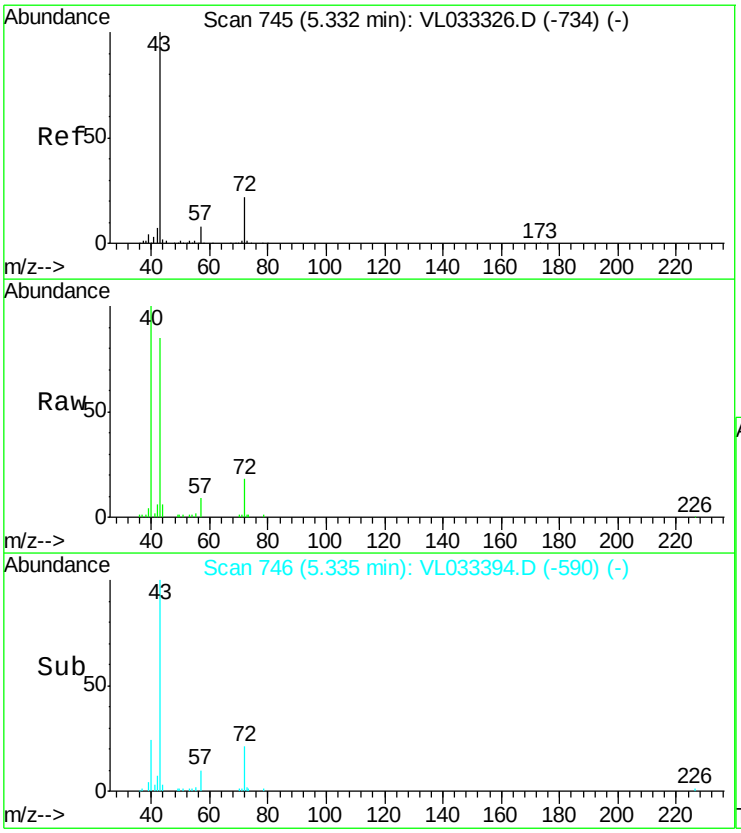
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:114 Resp: 1841439

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.4	32.2
88	18.4	14.5	21.7

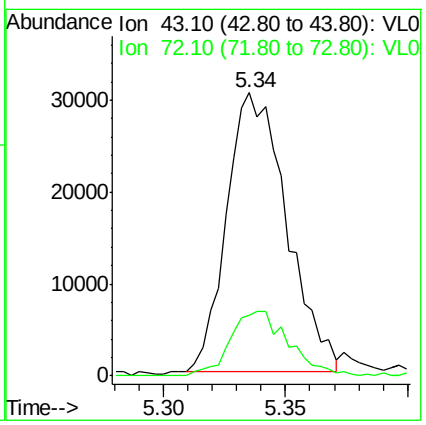


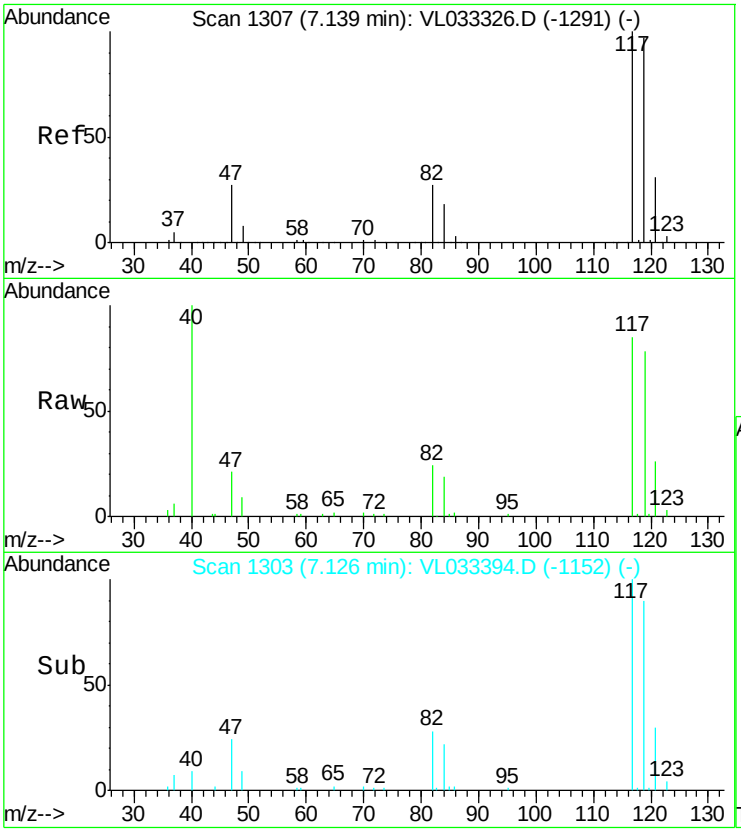


#34
2-Butanone
Concen: 0.430 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 43 Resp: 51960

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.7	26.5



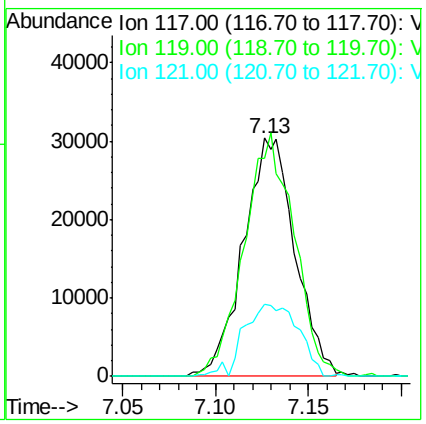


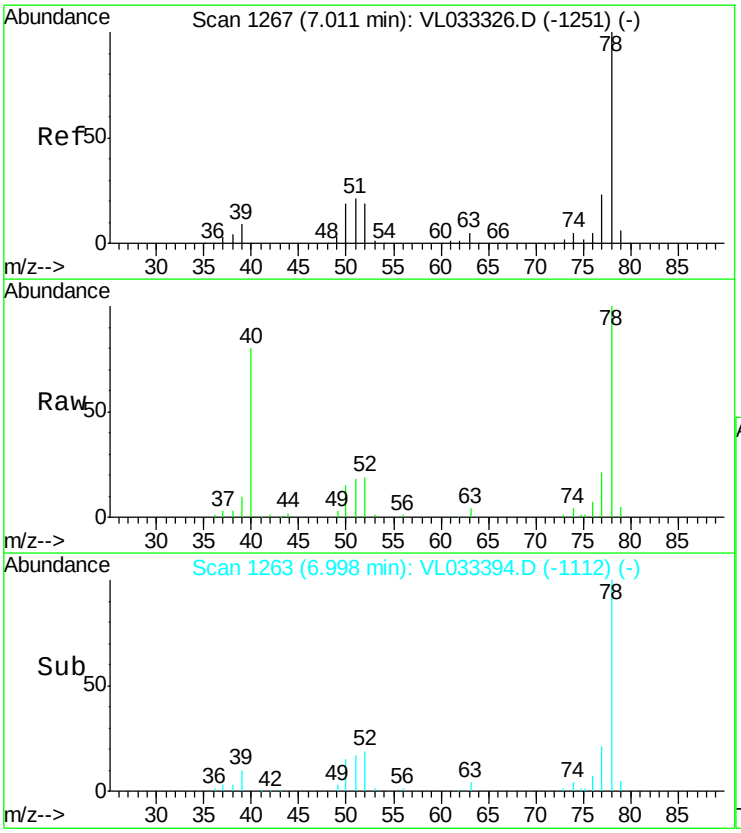
#35
Carbon Tetrachloride
Concen: 0.451 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:117 Resp: 58520

Ion	Ratio	Lower	Upper
117	100		
119	91.3	77.4	116.0
121	30.1	24.9	37.3

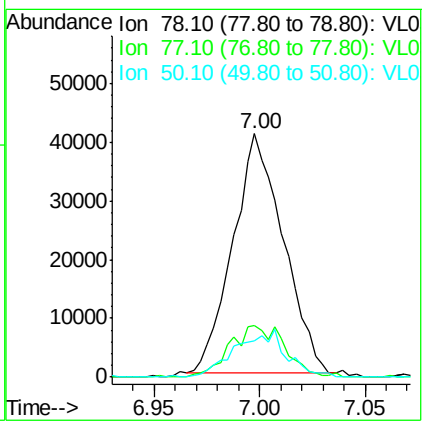


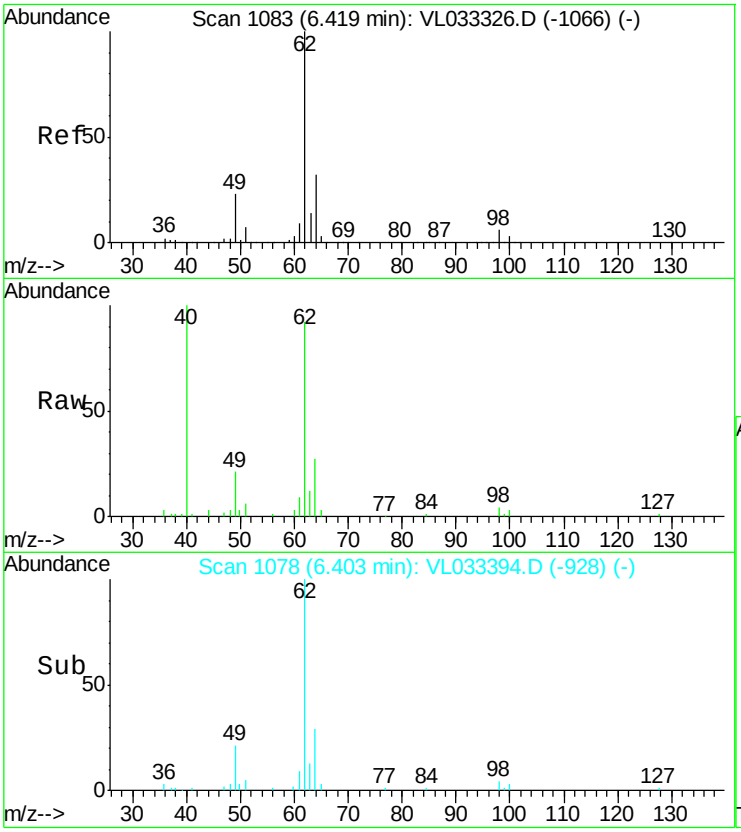


#36
Benzene
Concen: 0.410 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 78 Resp: 67625

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.1	27.1
50	15.2	15.2	22.8#



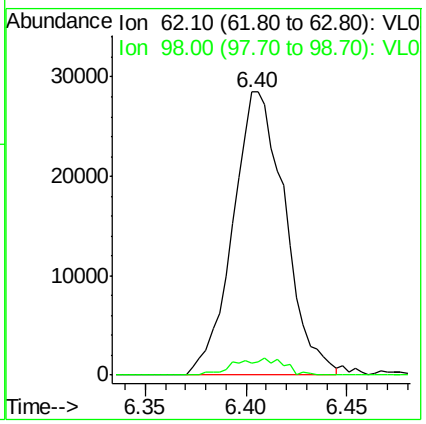


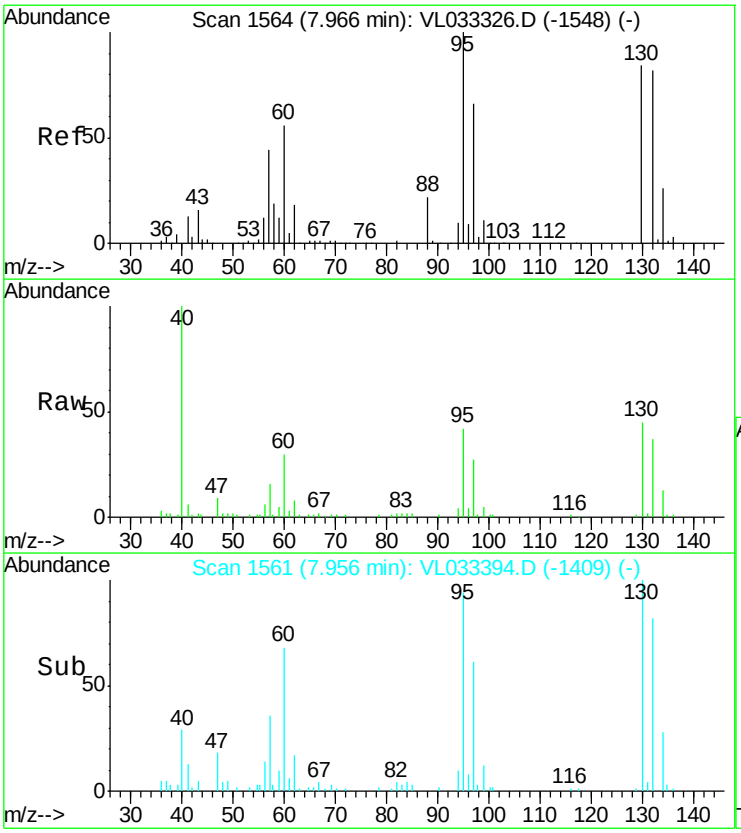
#37
1,2-Dichloroethane
Concen: 0.495 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 51565

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

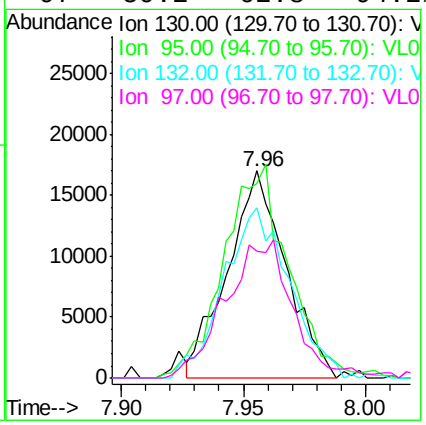


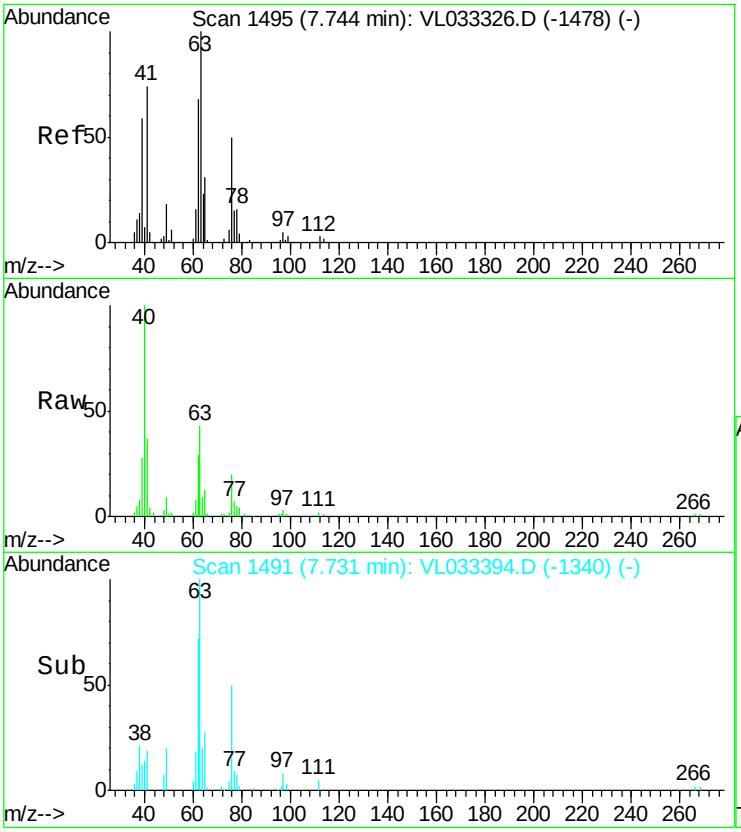


#38
Trichloroethene
Concen: 0.451 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:130 Resp: 28109

Ion	Ratio	Lower	Upper
130	100		
95	86.4	95.2	142.8#
132	75.2	77.7	116.5#
97	59.2	62.8	94.2#



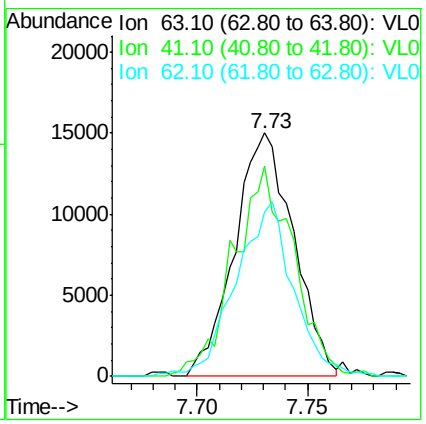


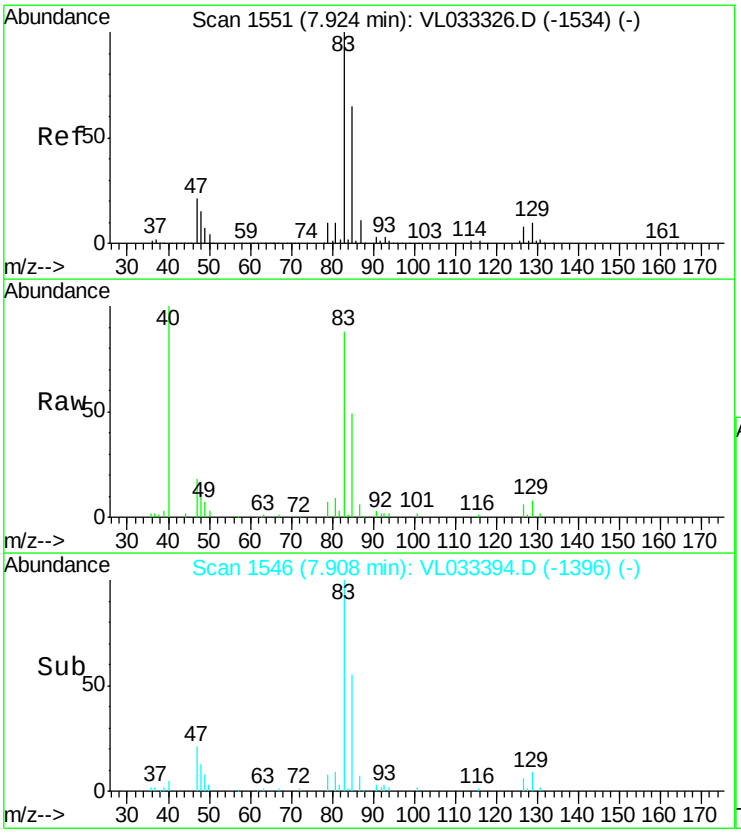
#39
1,2-Dichloropropane
Concen: 0.451 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 63 Resp: 27843

Ion	Ratio	Lower	Upper
63	100		
41	82.4	59.5	89.3
62	65.9	54.7	82.1

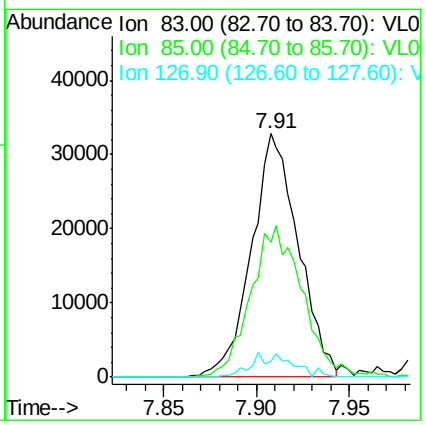


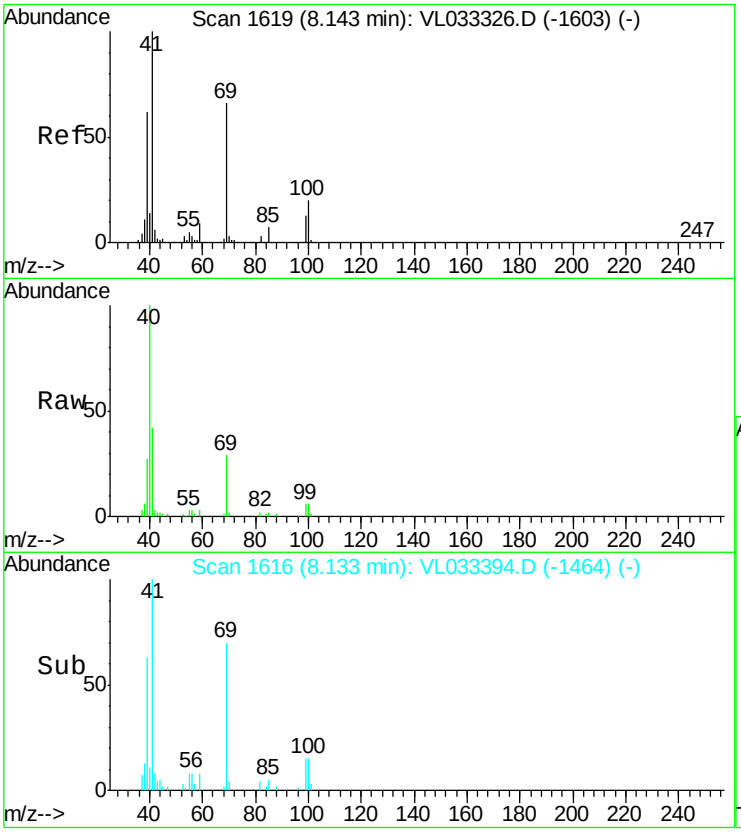


#42
Bromodichloromethane
Concen: 0.414 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 83 Resp: 57871

Ion	Ratio	Lower	Upper
83	100		
85	55.3	51.8	77.6
127	6.3	6.2	9.2



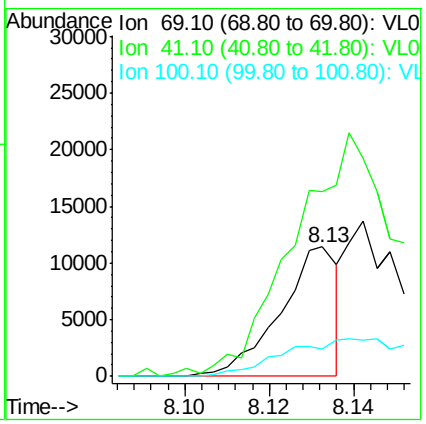


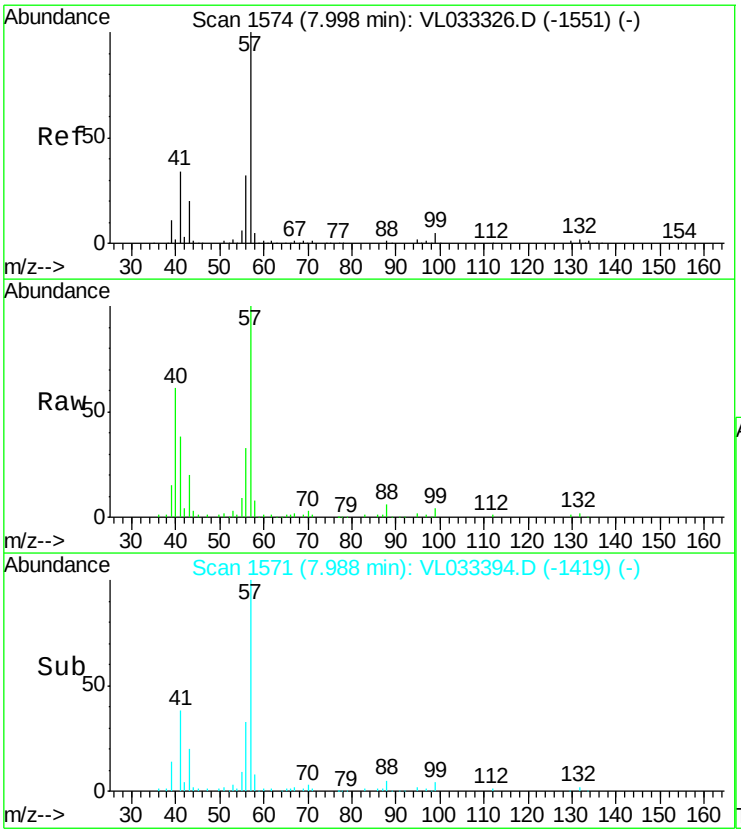
#43
Methyl Methacrylate
Concen: 0.168 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 69 Resp: 10790

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.5	179.3#
100	0.0	24.4	36.6#

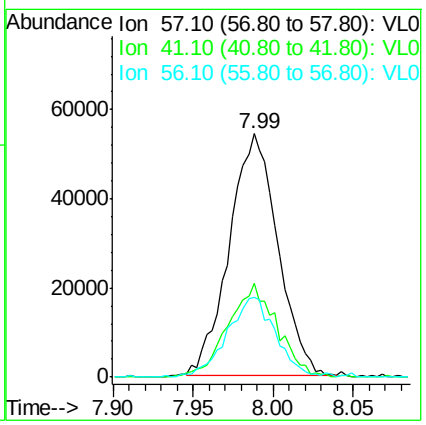


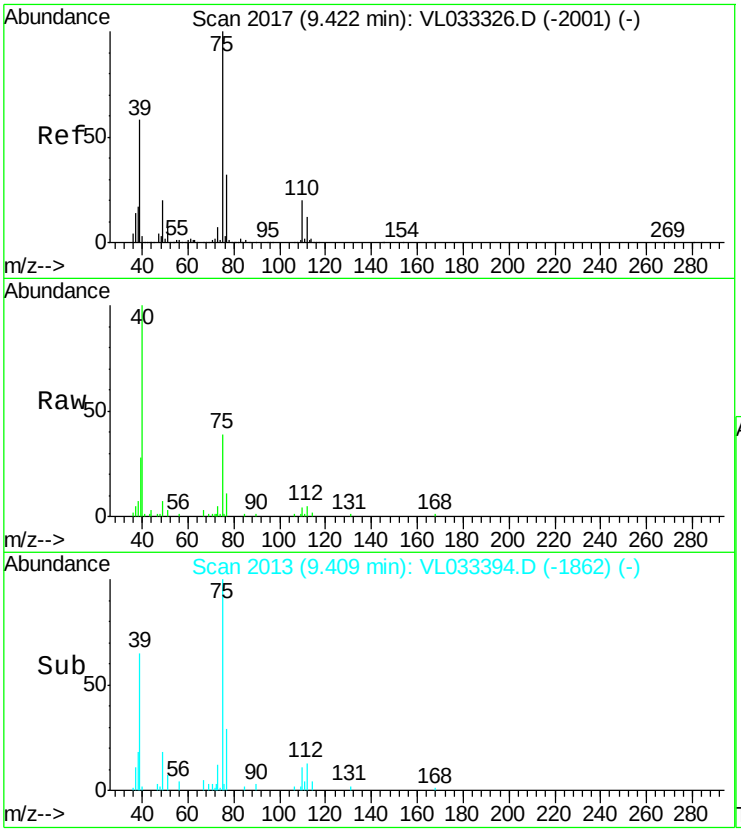


#44
2,2,4-Trimethylpentane
Concen: 0.411 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 57 Resp: 112246

Ion	Ratio	Lower	Upper
57	100		
41	39.3	26.0	39.0#
56	33.7	24.6	36.8



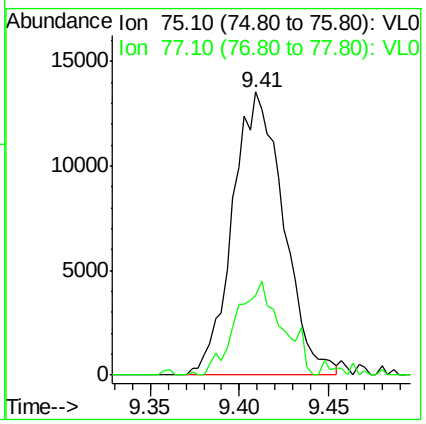


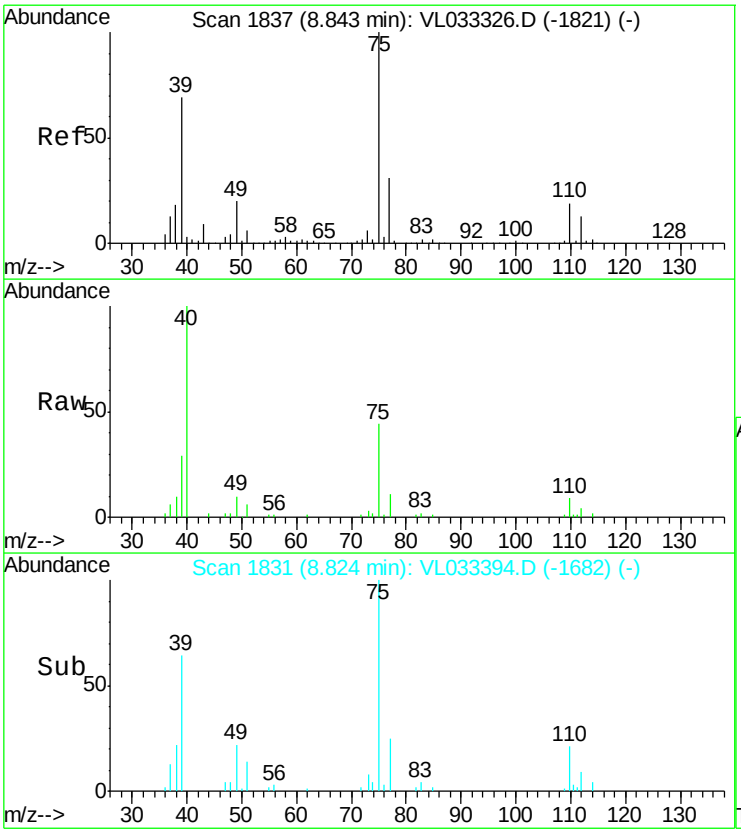
#45
t-1,3-Dichloropropene
Concen: 0.341 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 75 Resp: 26977

Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.5	38.3

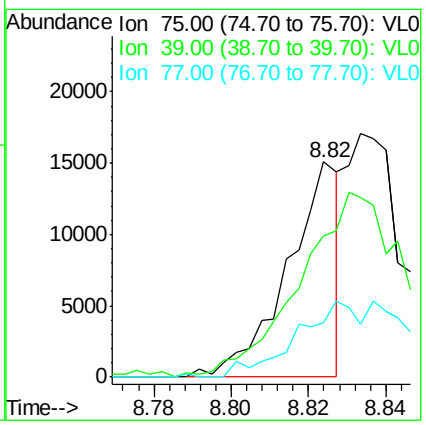


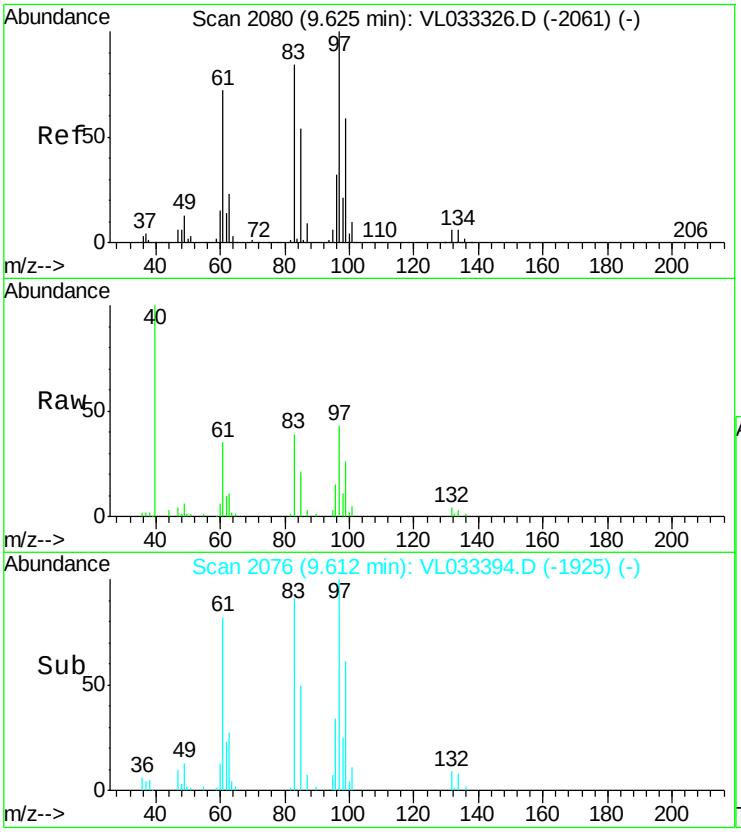


#46
cis-1,3-Dichloropropene
Concen: 0.149 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 75 Resp: 13878

Ion	Ratio	Lower	Upper
75	100		
39	63.5	55.0	82.6
77	23.4	24.5	36.7#



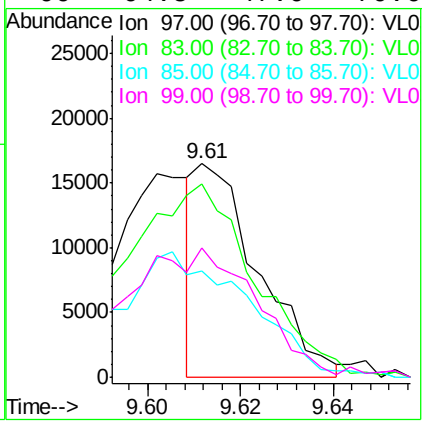


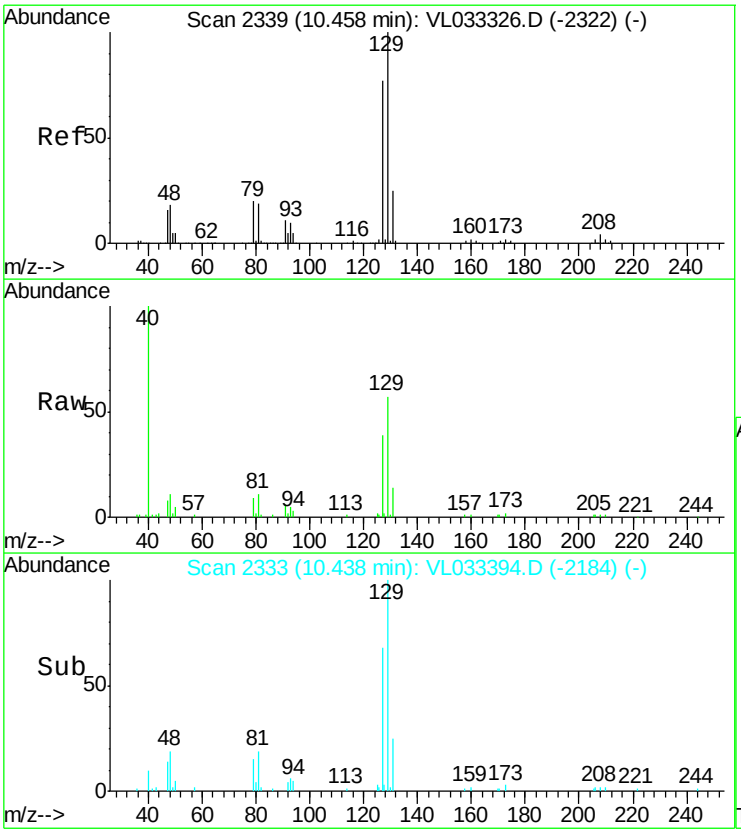
#47
1,1,2-Trichloroethane
Concen: 0.225 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 97 Resp: 15353

Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.4	101.0
85	51.2	43.0	64.4
99	64.5	47.0	70.6

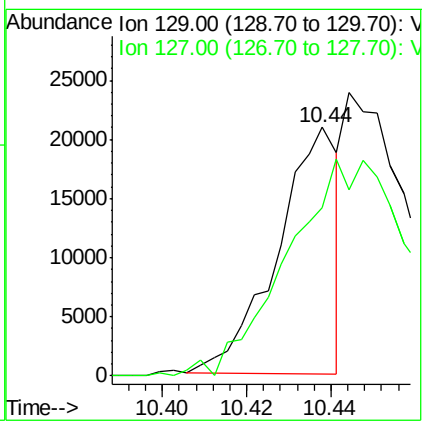


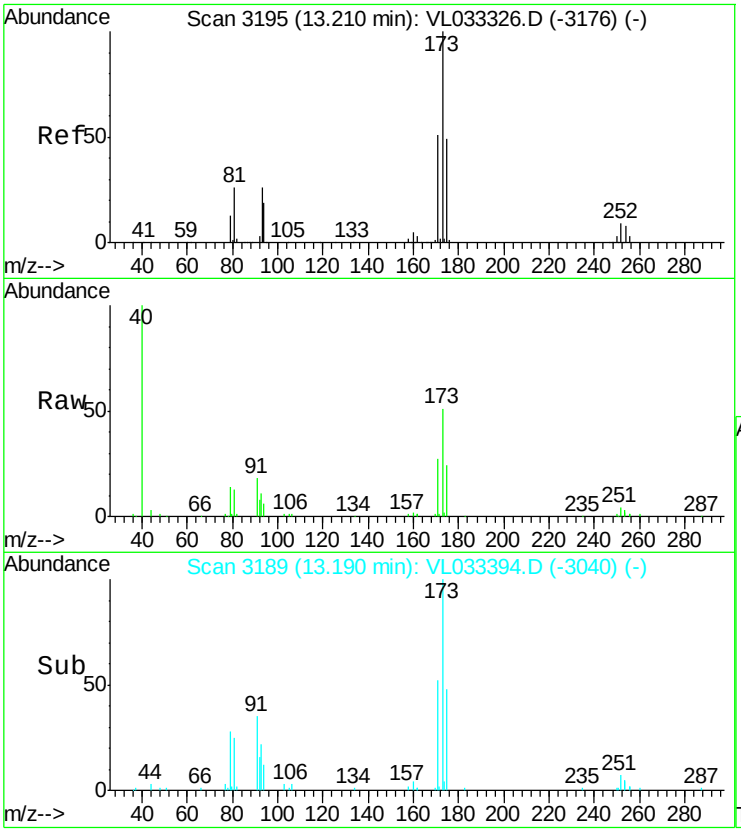


#48
Dibromochloromethane
Concen: 0.182 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:129 Resp: 20776

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.9	116.6#



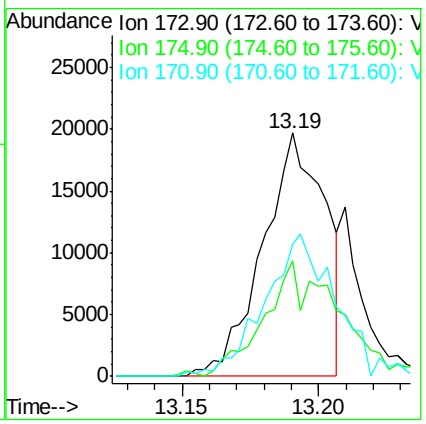


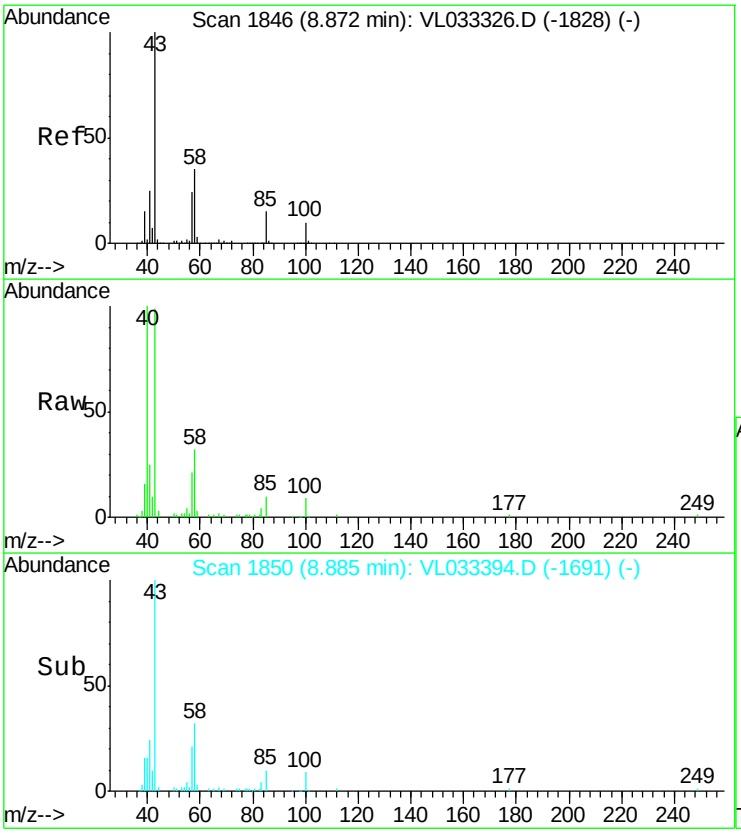
#49
Bromoform
Concen: 0.288 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:173 Resp: 31202

Ion	Ratio	Lower	Upper
173	100		
175	57.6	39.0	58.6
171	67.0	41.7	62.5#

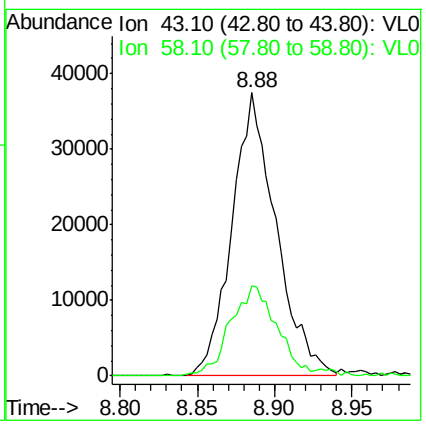


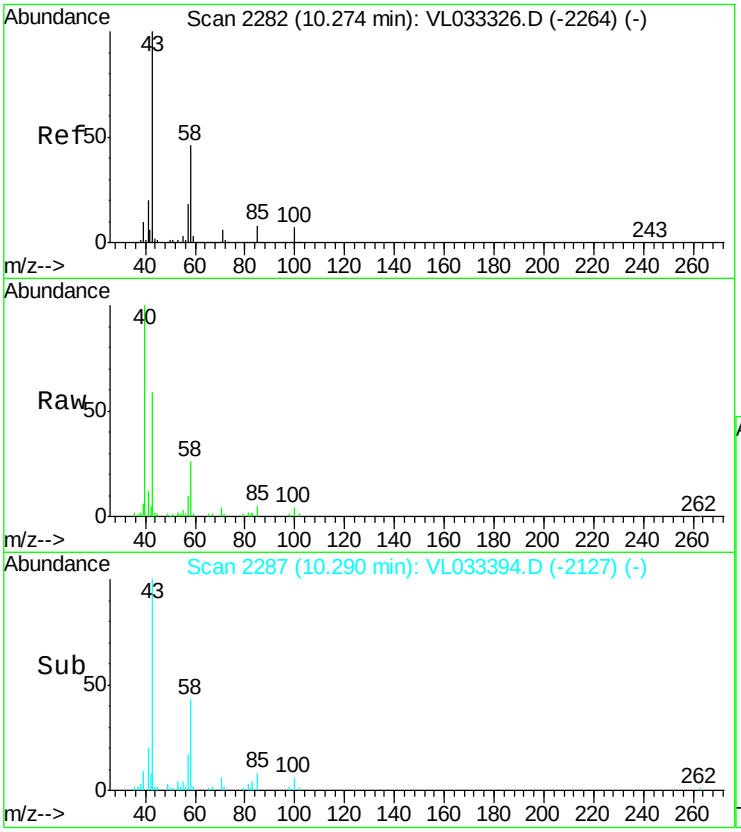


#50
4-Methyl-2-Pentanone
Concen: 0.435 ppbv
RT: 8.88 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 43 Resp: 74318

Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.4	42.6



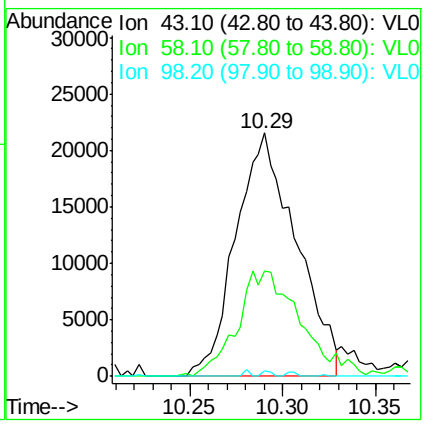


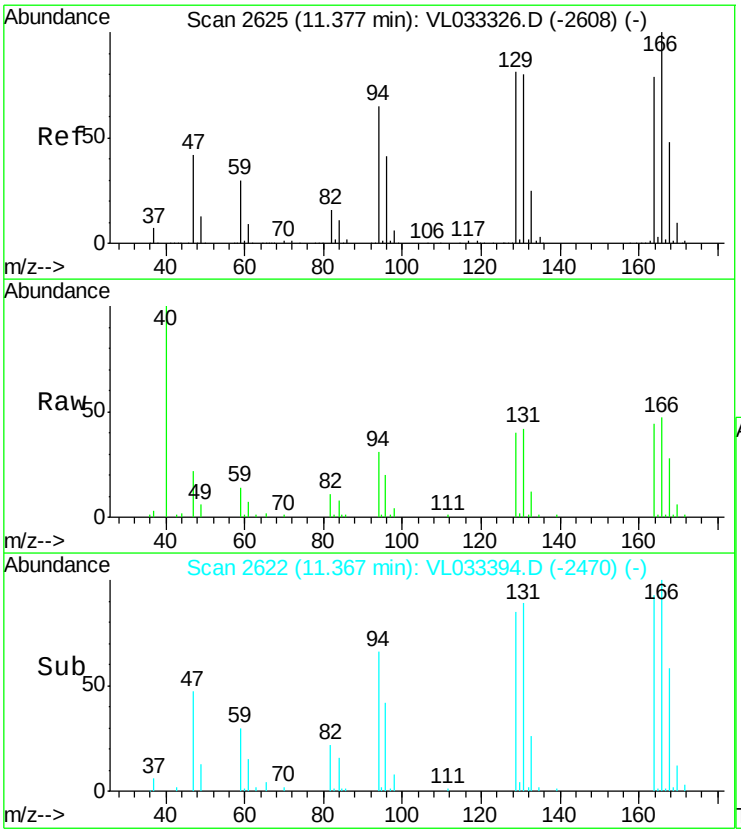
#51
2-Hexanone
Concen: 0.371 ppbv
RT: 10.29 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 48836

Ion	Ratio	Lower	Upper
43	100		
58	45.7	38.0	57.0
98	0.7	0.1	0.1#

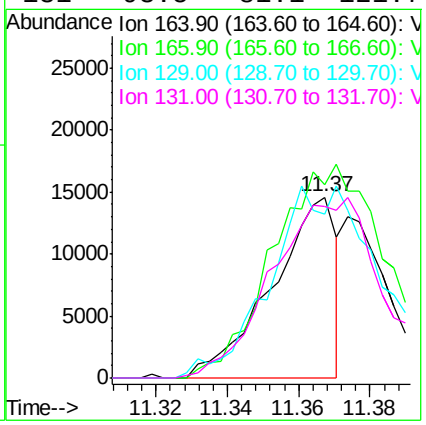


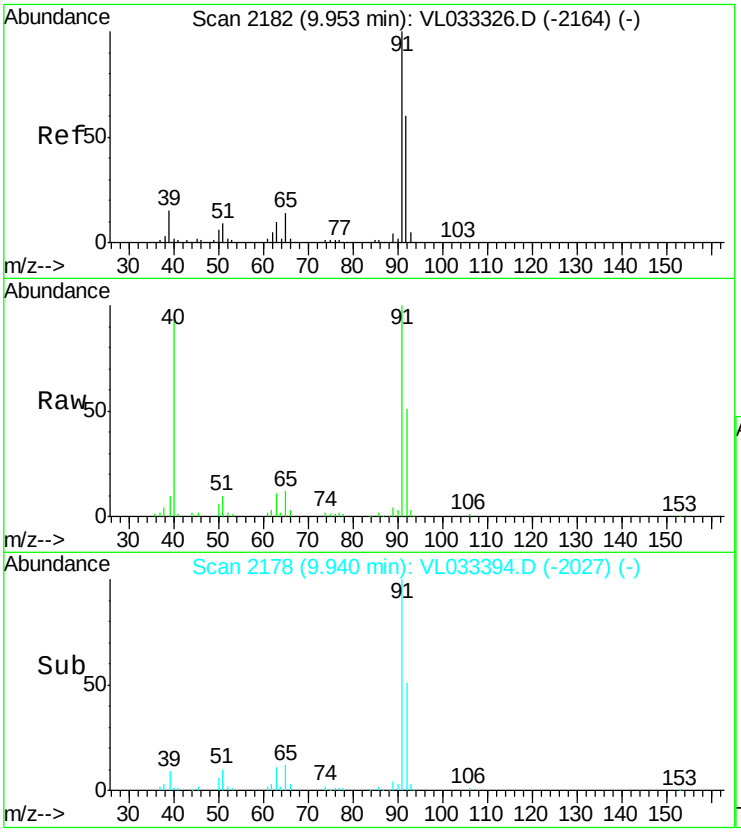


#52
Tetrachloroethene
Concen: 0.264 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:164 Resp: 18104

Ion	Ratio	Lower	Upper
164	100		
166	107.0	101.5	152.3
129	87.8	82.2	123.2
131	93.5	81.1	121.7



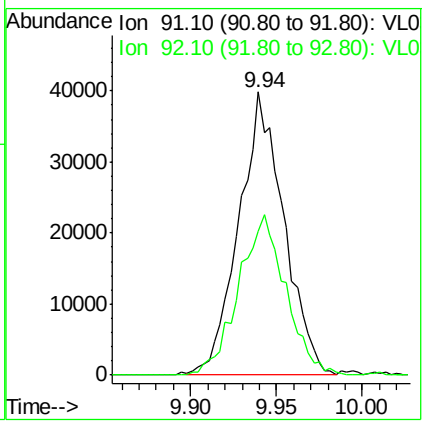


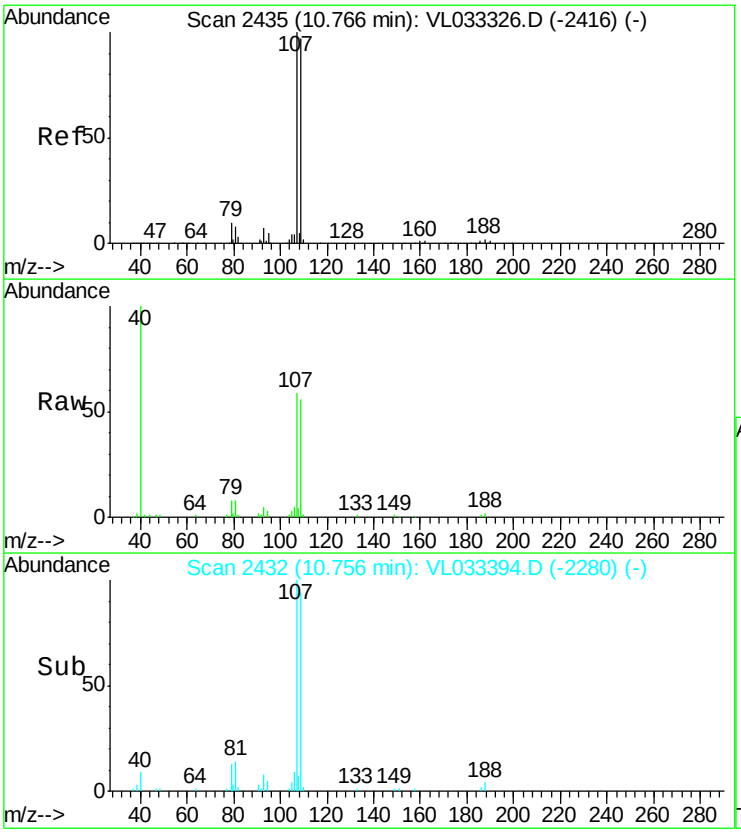
#53
Toluene
Concen: 0.387 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 91 Resp: 72434

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.4	71.0

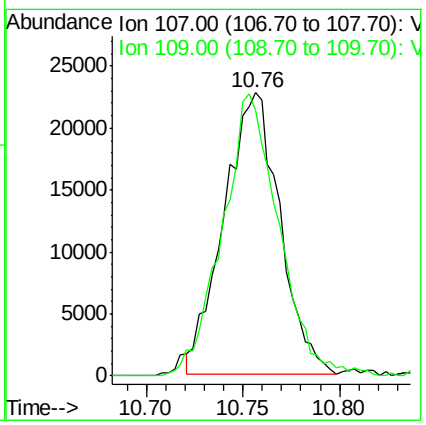


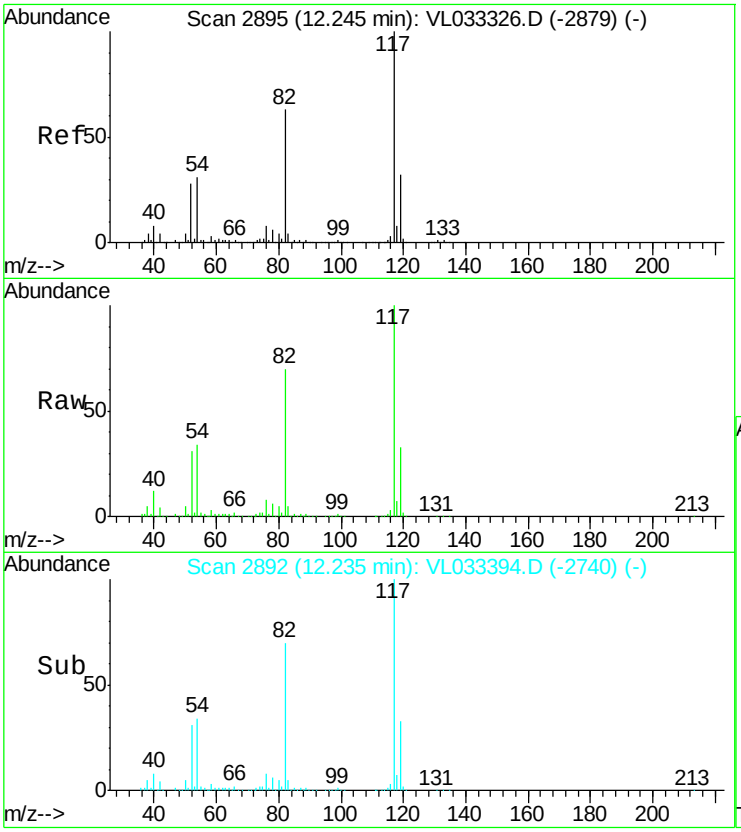


#54
1,2-Dibromoethane
Concen: 0.396 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:107 Resp: 45680

Ion	Ratio	Lower	Upper
107	100		
109	91.4	77.2	115.8



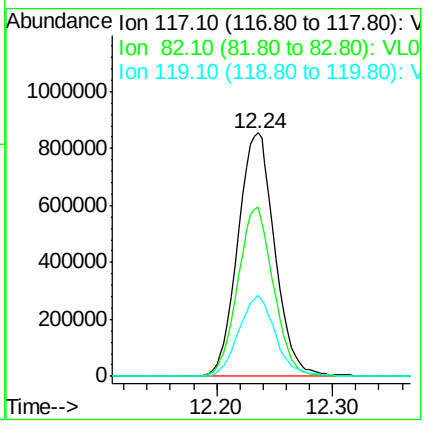


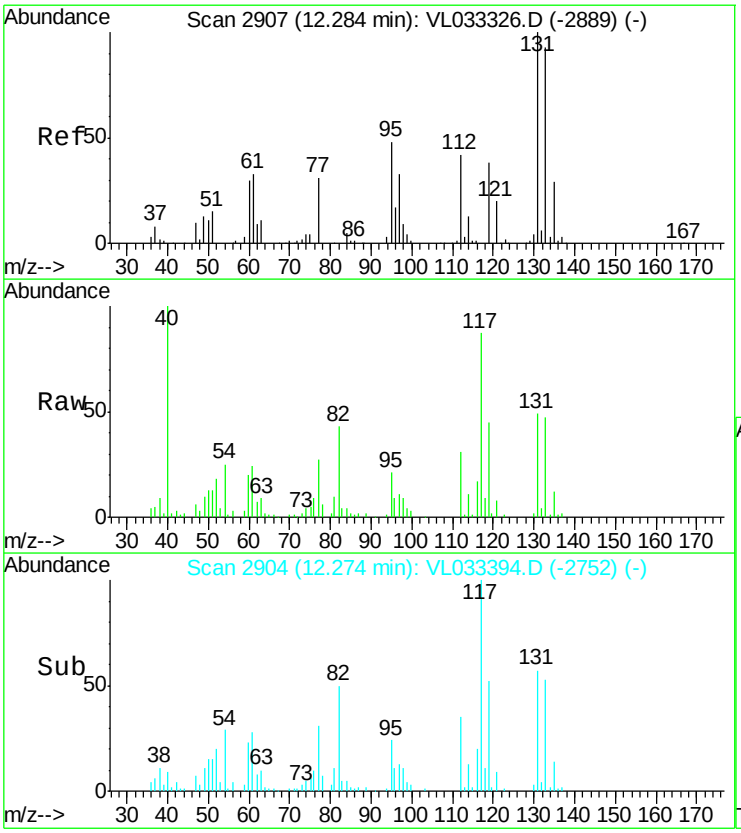
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:117 Resp: 1886871

Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.4	80.2
119	33.2	27.3	40.9

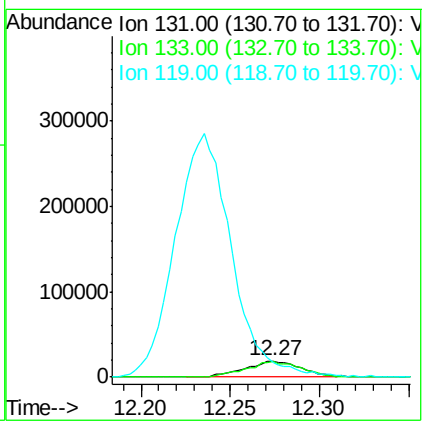


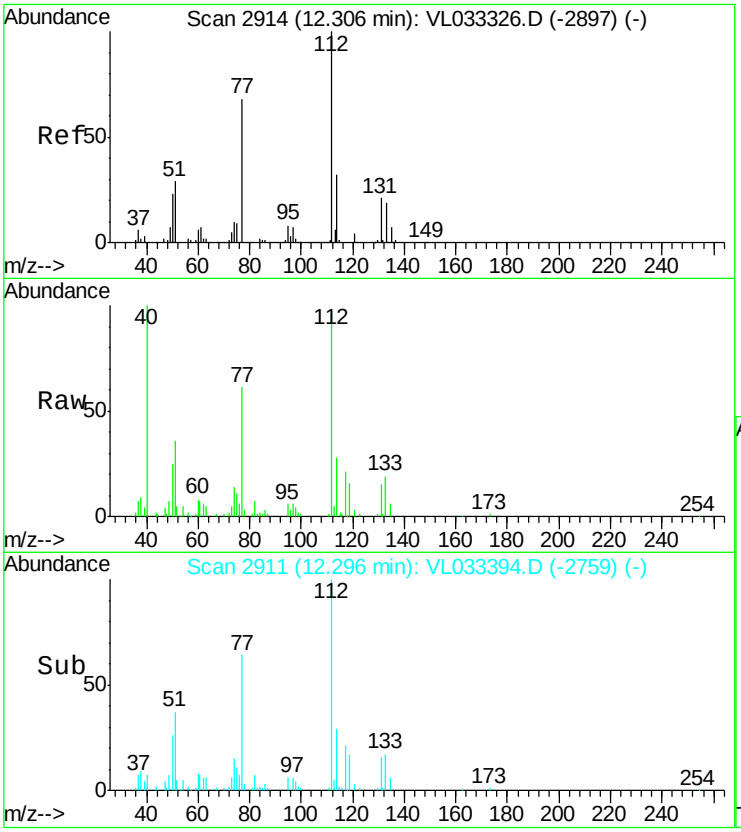


#56
1,1,1,2-Tetrachloroethane
Concen: 0.493 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:131 Resp: 41614

Ion	Ratio	Lower	Upper
131	100		
133	94.1	76.7	115.1
119	1507.8	40.3	60.5#



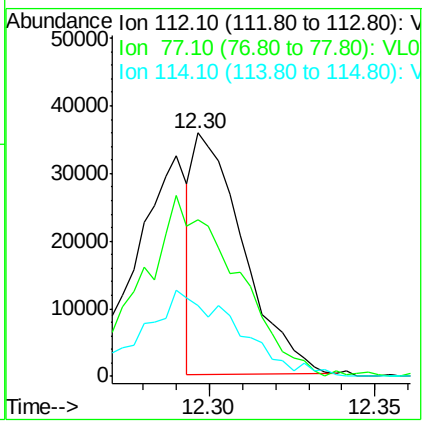


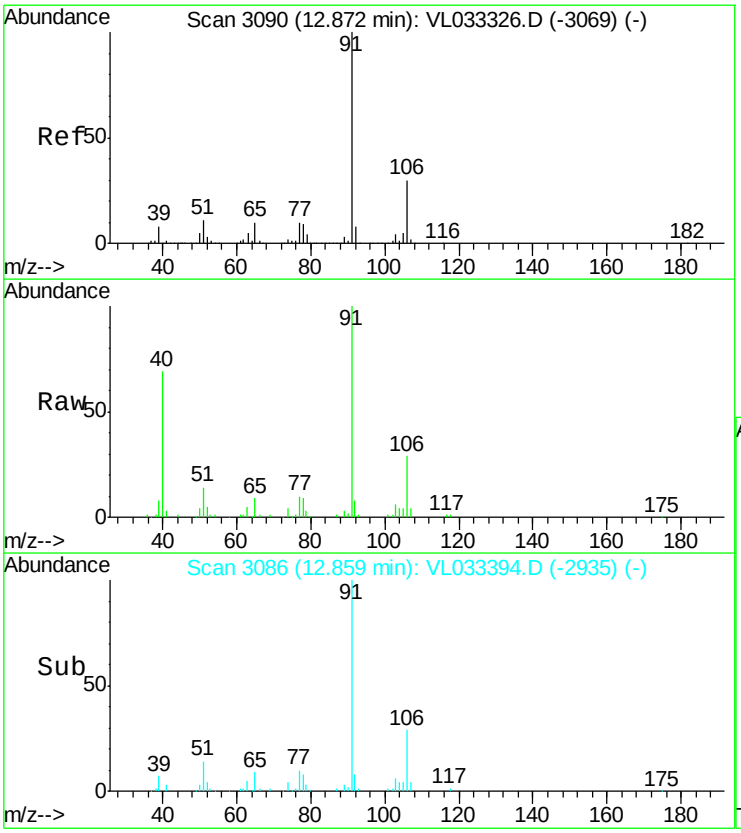
#57
Chlorobenzene
Concen: 0.250 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:112 Resp: 37310

Ion	Ratio	Lower	Upper
112	100		
77	59.7	55.8	83.6
114	27.5	28.6	35.0#

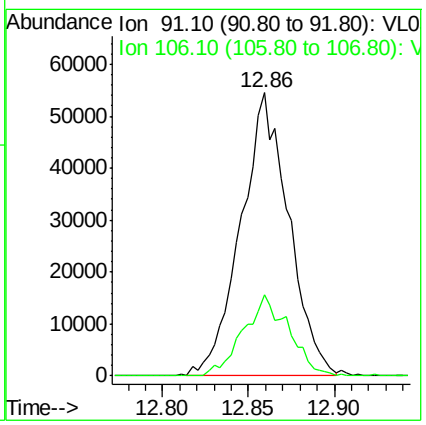


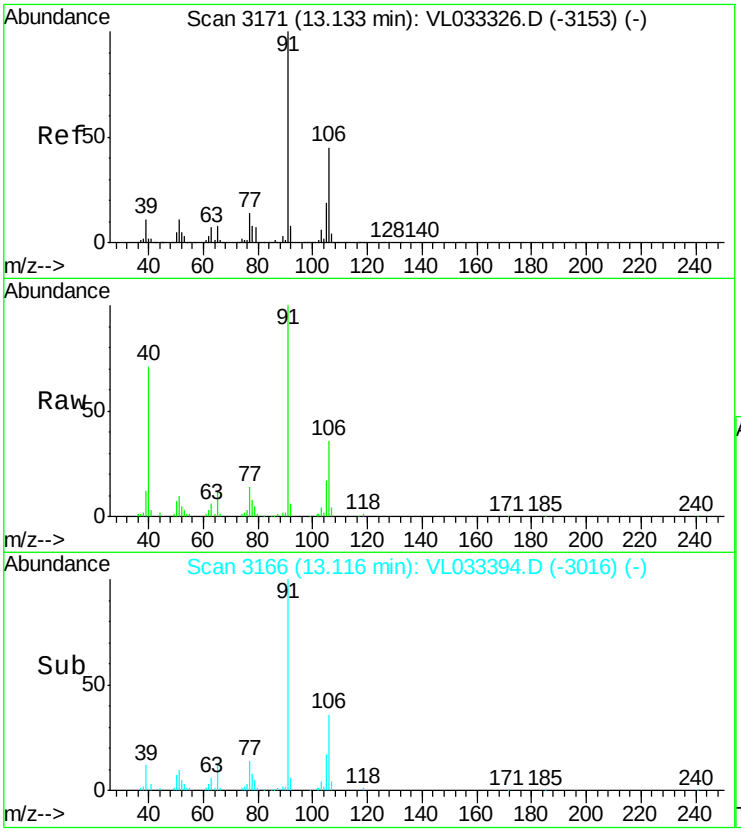


#58
Ethyl Benzene
Concen: 0.394 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 91 Resp: 105200

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2



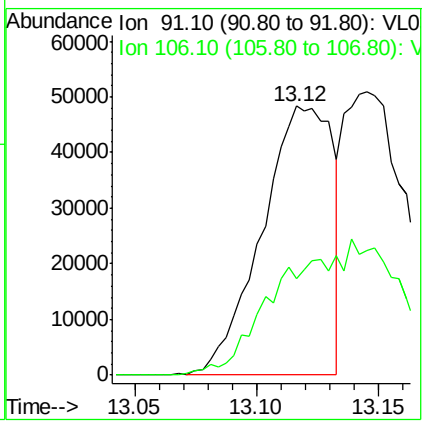


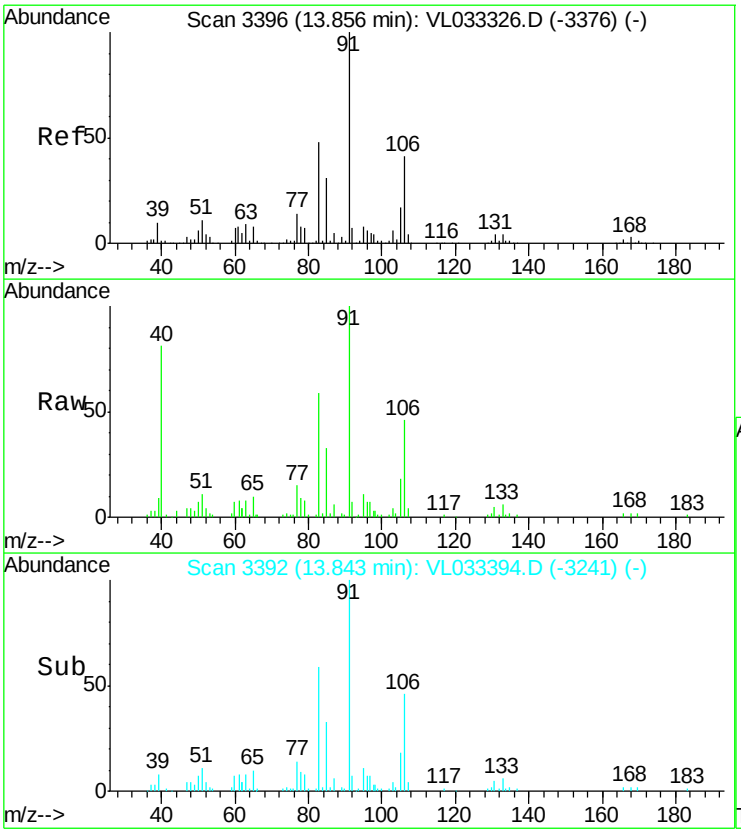
#59
m/p-Xylene
Concen: 0.424 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 97227

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

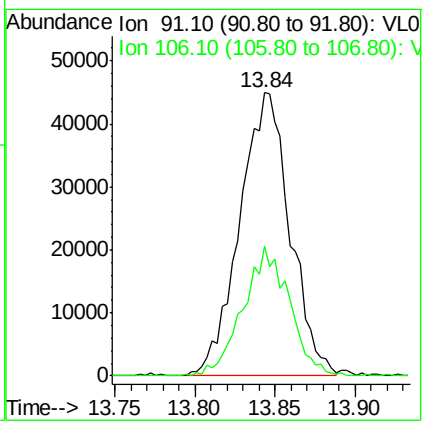


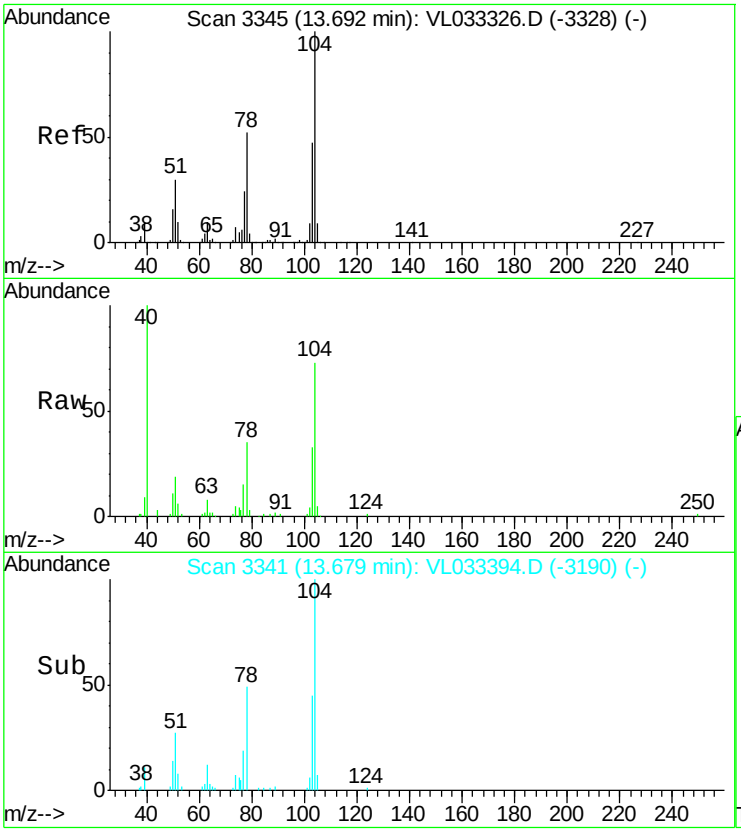


#60
o-Xylene
Concen: 0.433 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 91 Resp: 96949

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.3	63.9



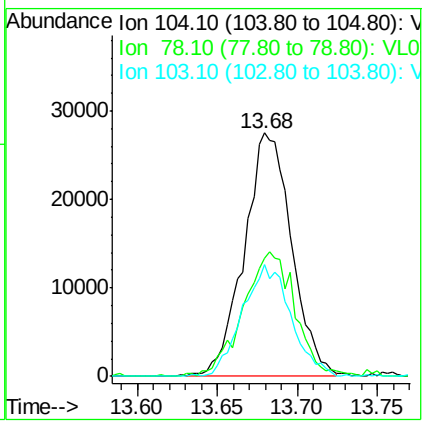


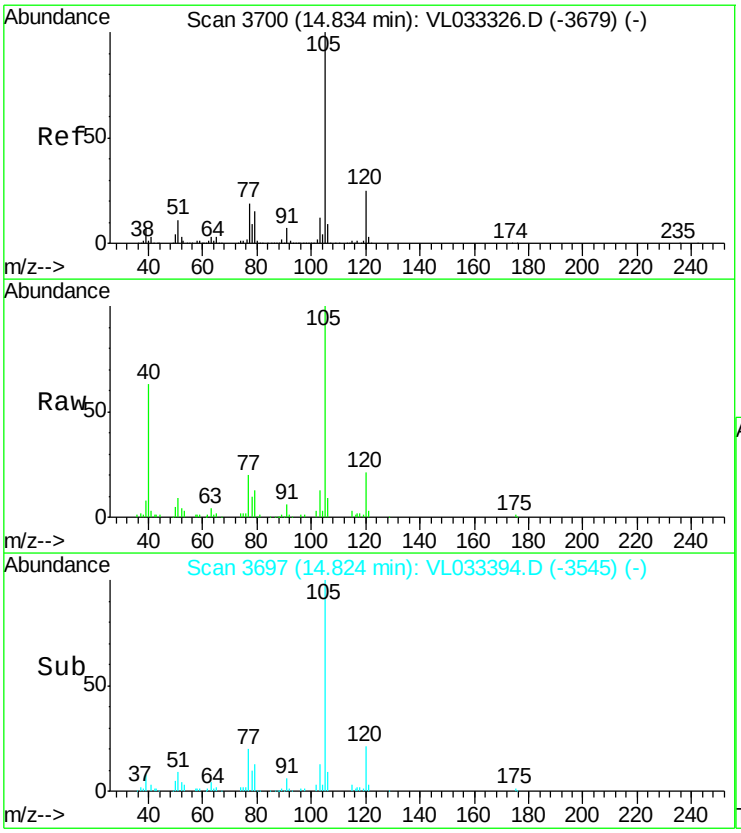
#61
Styrene
Concen: 0.358 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:104 Resp: 56132

Ion	Ratio	Lower	Upper
104	100		
78	55.9	42.7	64.1
103	46.5	38.0	57.0

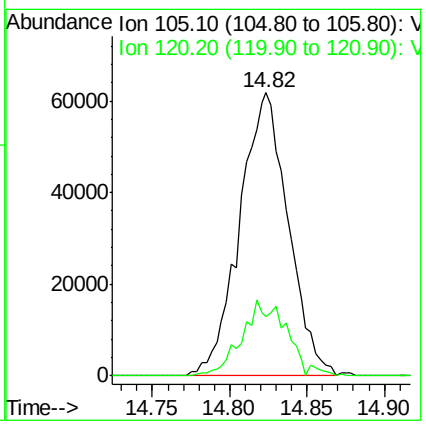


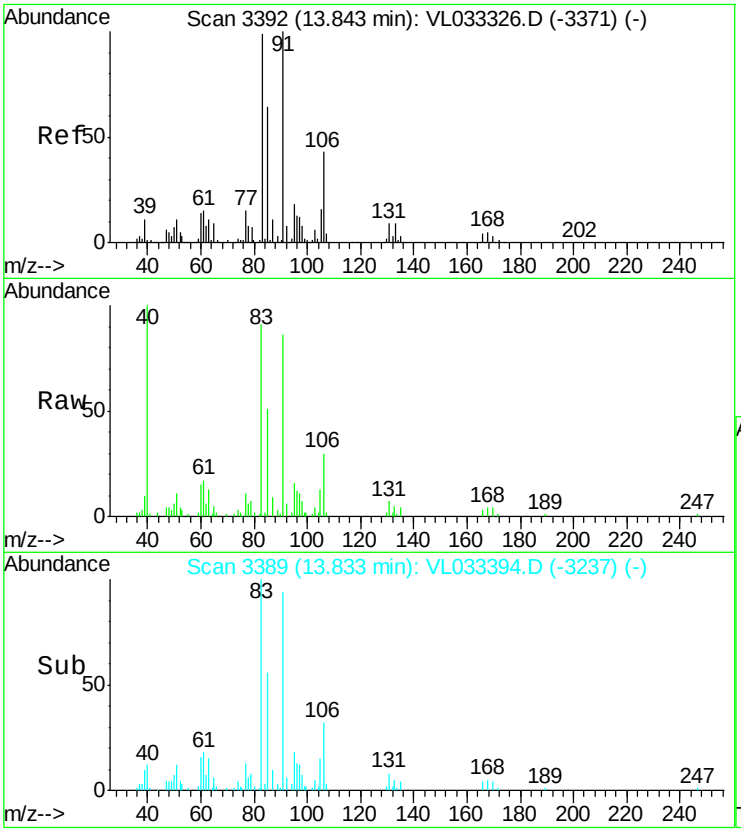


#62
Isopropylbenzene
Concen: 0.433 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:105 Resp: 134797

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9



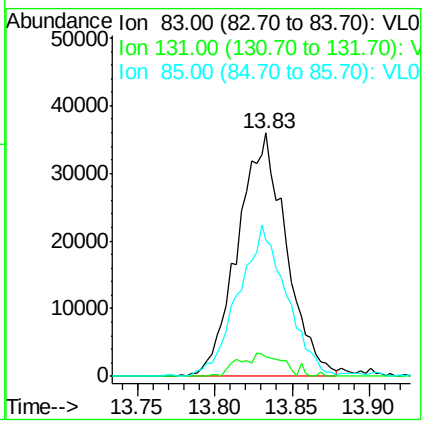


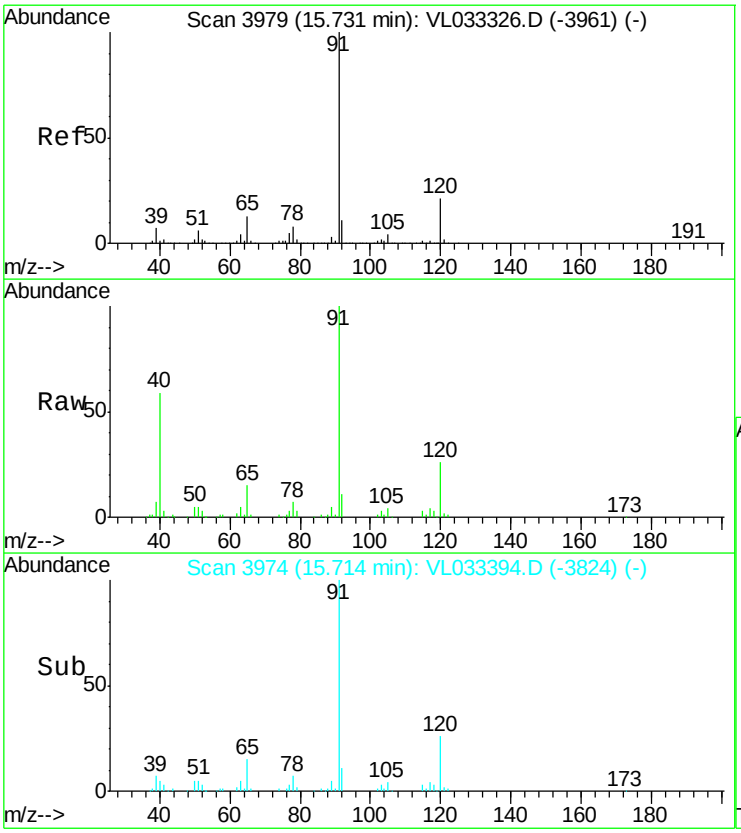
#63
1,1,2,2-Tetrachloroethane
Concen: 0.484 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 78289

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.0
85	62.7	32.5	97.4

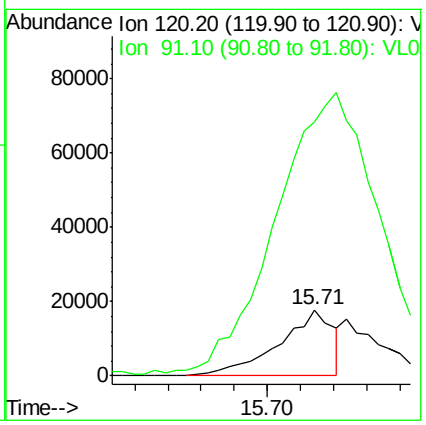


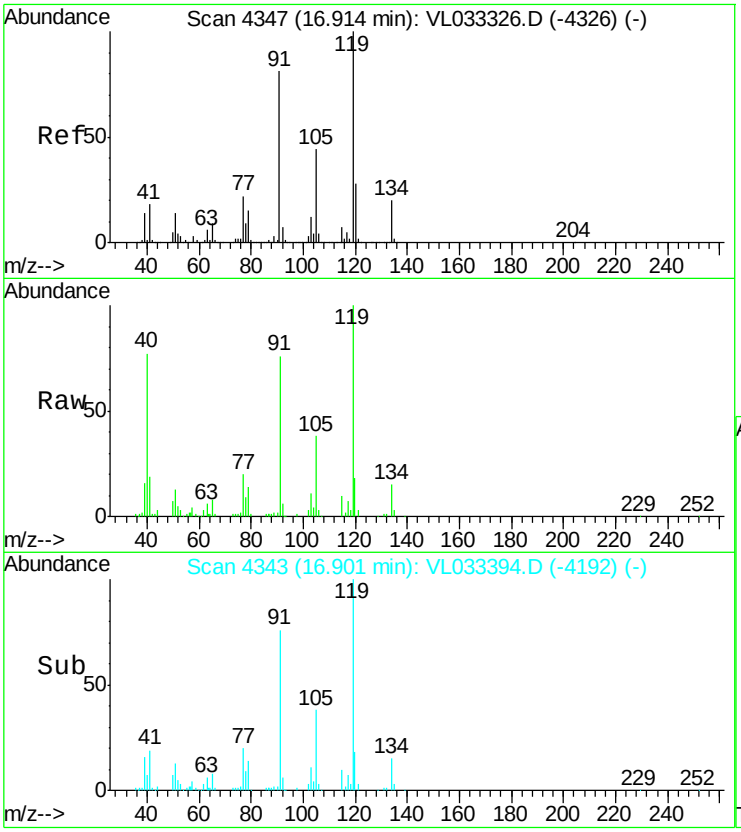


#64
n-propylbenzene
Concen: 0.257 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:120 Resp: 20269

Ion	Ratio	Lower	Upper
120	100		
91	478.0	389.8	584.6



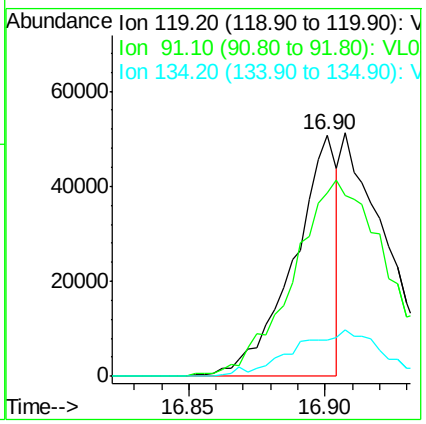


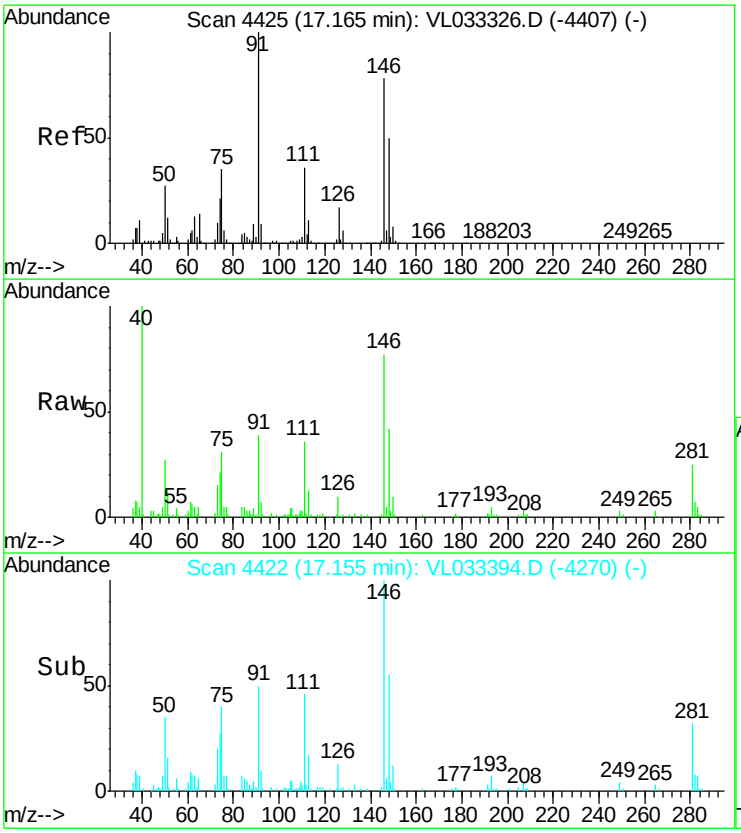
#65
tert-Butylbenzene
Concen: 0.201 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:119 Resp: 56407

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

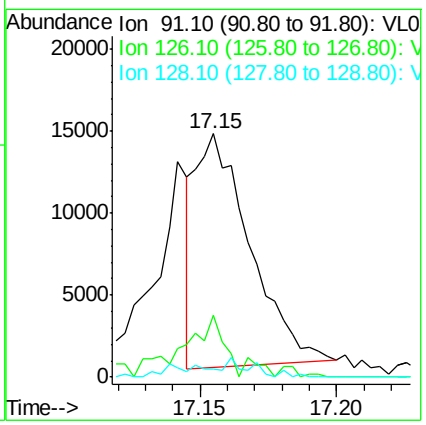


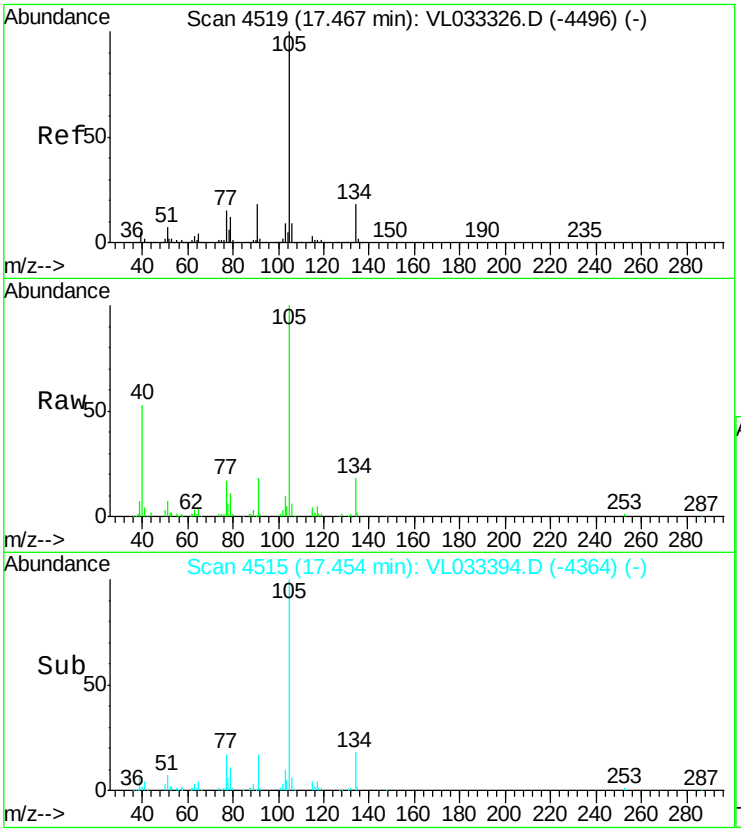


#66
Benzyl Chloride
Concen: 0.170 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 91 Resp: 19720

Ion	Ratio	Lower	Upper
91	100		
126	27.1	13.2	19.8#
128	8.3	4.2	6.4#



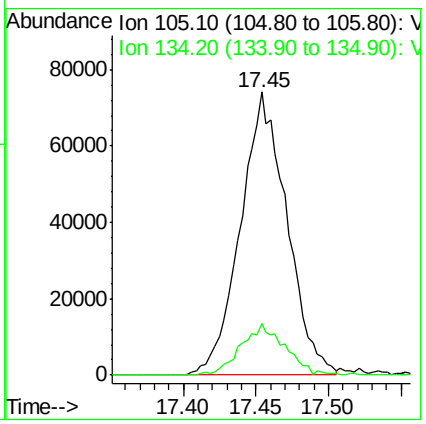


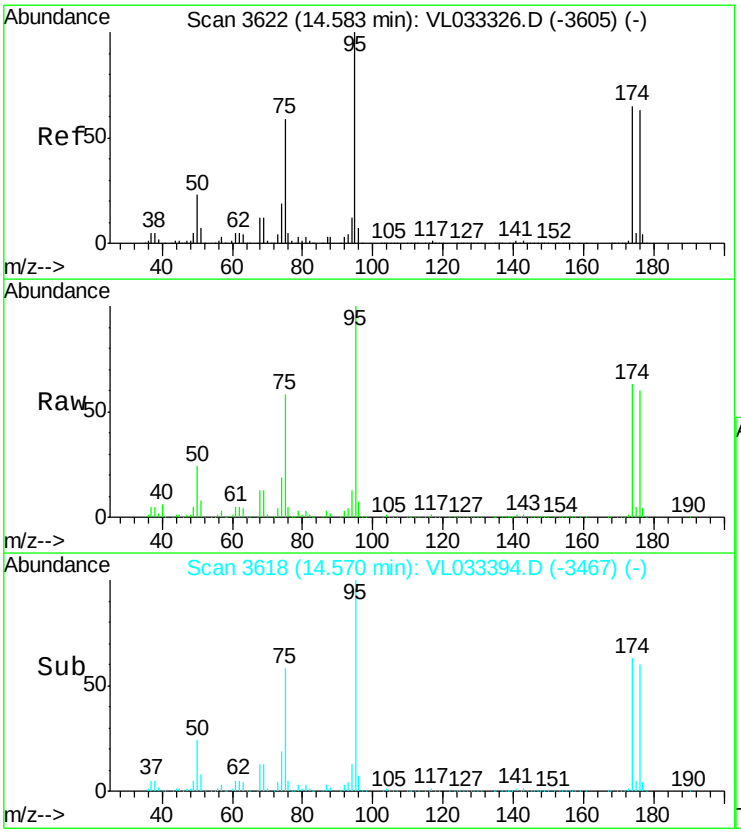
#67
sec-Butylbenzene
Concen: 0.415 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 164826

Ion	Ratio	Lower	Upper
105	100		
134	17.4	14.2	21.4

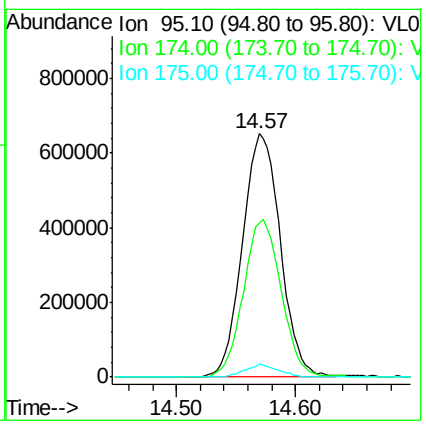


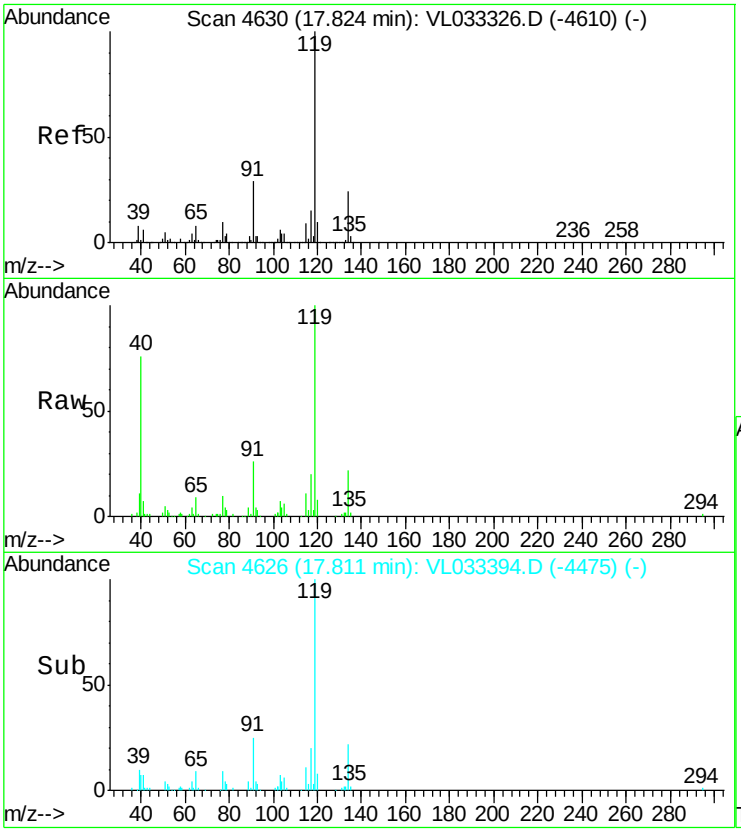


#68
1-Bromo-4-Fluorobenzene
Concen: 10.284 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 95 Resp: 1437859

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.5	77.3
175	4.7	3.8	5.6



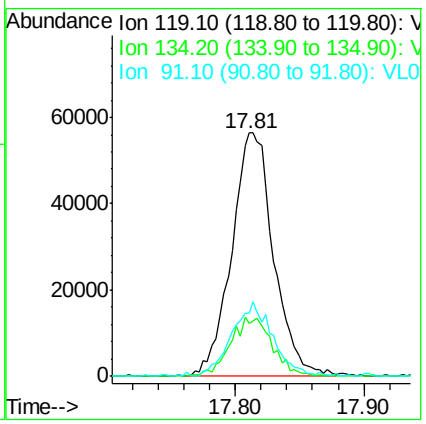


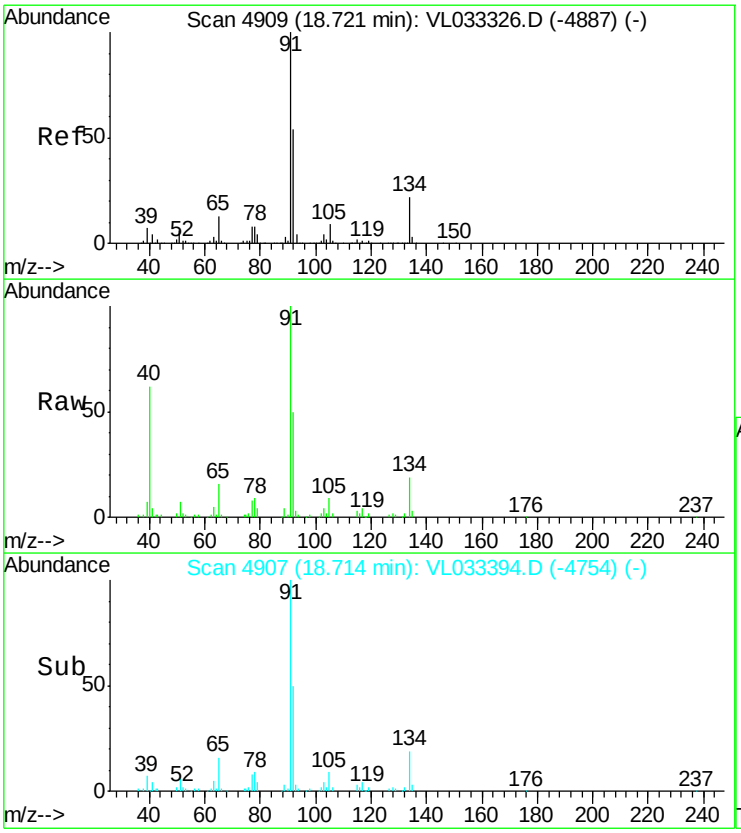
#69
p-Isopropyltoluene
Concen: 0.393 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:119 Resp: 127570

Ion	Ratio	Lower	Upper
119	100		
134	24.3	19.8	29.6
91	30.6	23.4	35.2

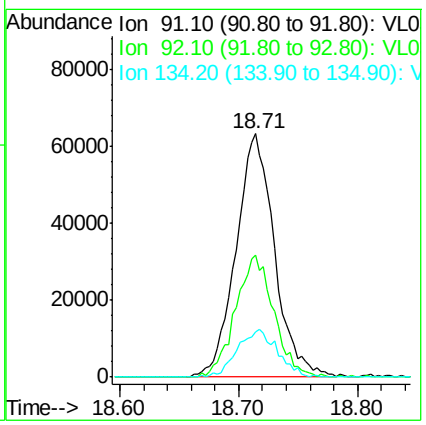


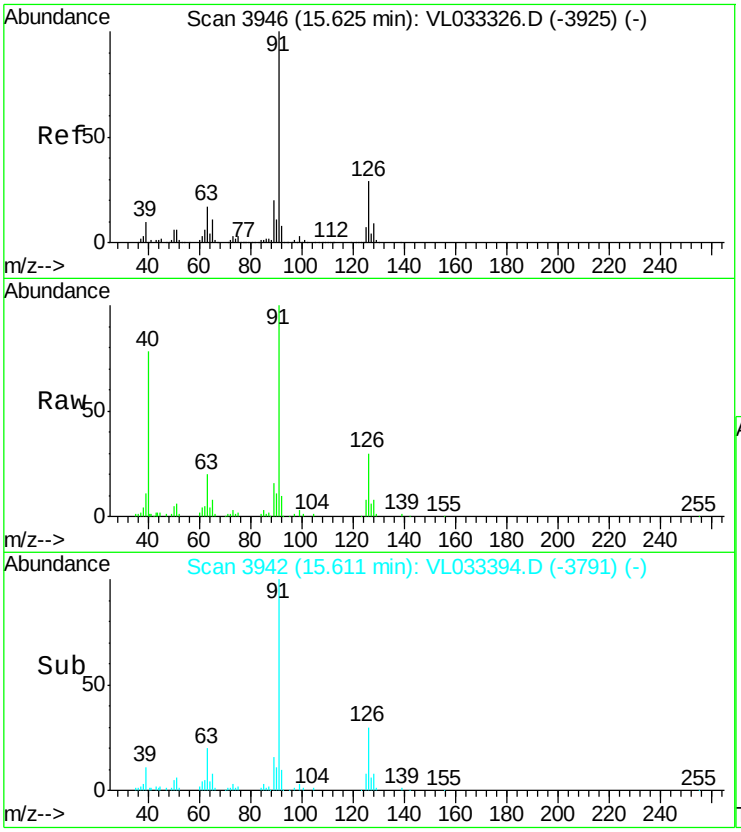


#70
n-Butylbenzene
Concen: 0.412 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion: 91 Resp: 142360

Ion	Ratio	Lower	Upper
91	100		
92	49.4	42.8	64.2
134	20.1	17.4	26.0



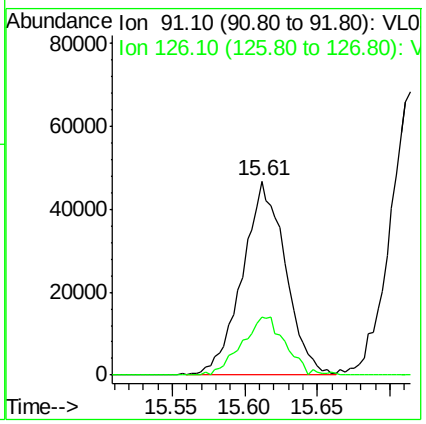


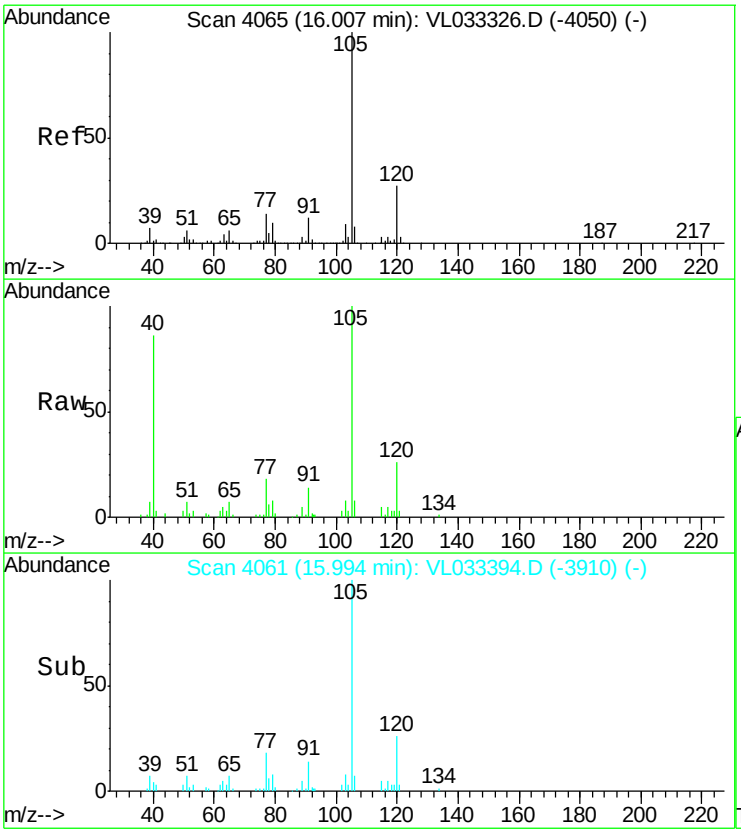
#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 96773

Ion	Ratio	Lower	Upper
91	100		
126	30.4	11.6	46.6

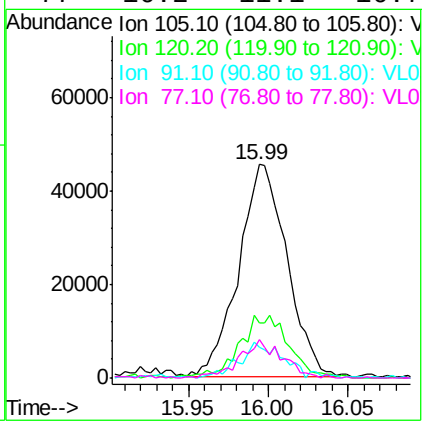


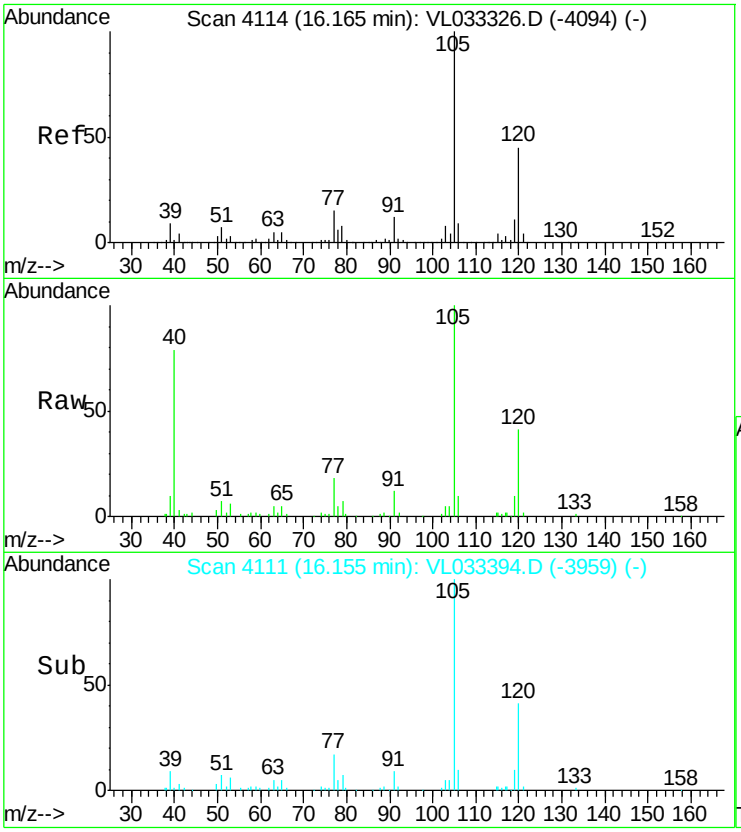


#72
4-Ethyltoluene
Concen: 0.370 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:105 Resp: 93939

Ion	Ratio	Lower	Upper
105	100		
120	30.5	22.9	34.3
91	15.6	10.2	15.2#
77	16.2	11.1	16.7



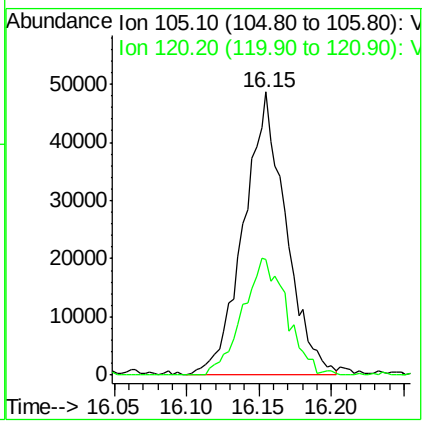


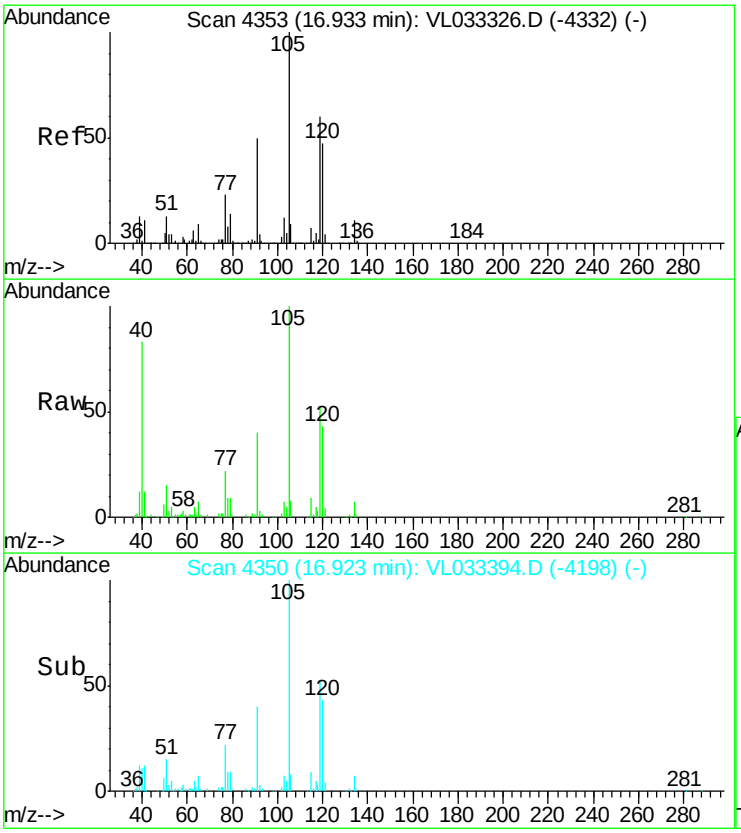
#73
1,3,5-Trimethylbenzene
Concen: 0.398 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 98429

Ion	Ratio	Lower	Upper
105	100		
120	40.9	36.2	54.4

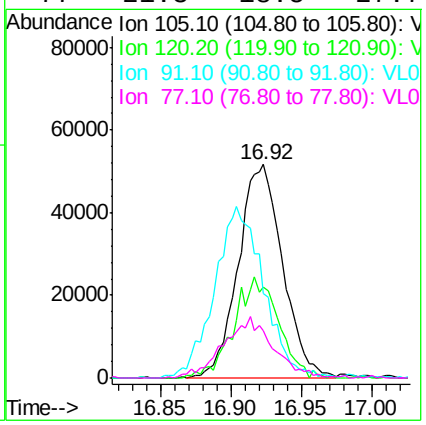


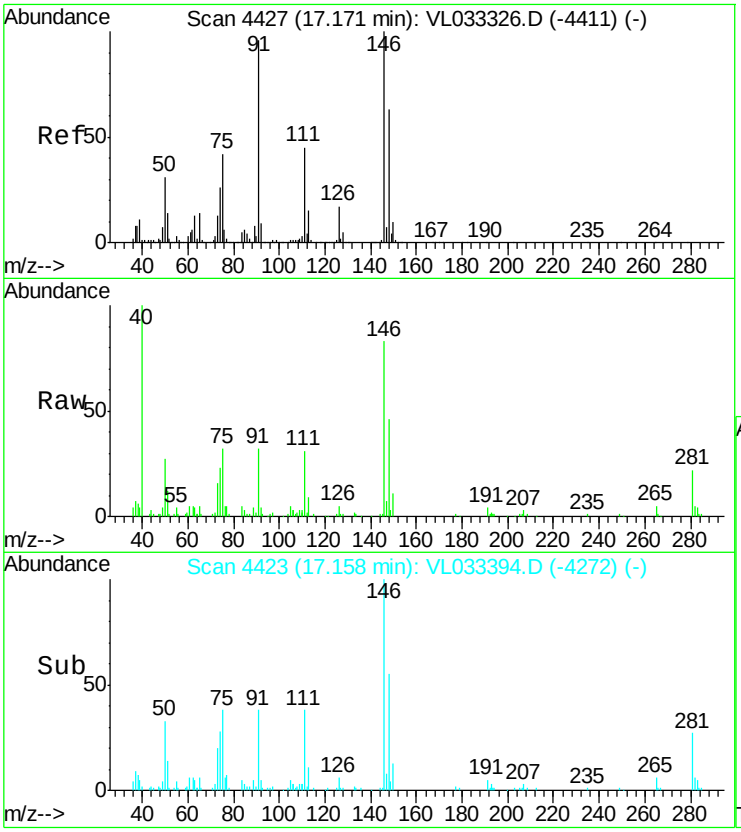


#74
1,2,4-Trimethylbenzene
Concen: 0.434 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:105 Resp: 113706

Ion	Ratio	Lower	Upper
105	100		
120	42.7	37.4	56.2
91	39.2	41.0	61.4#
77	21.3	18.5	27.7



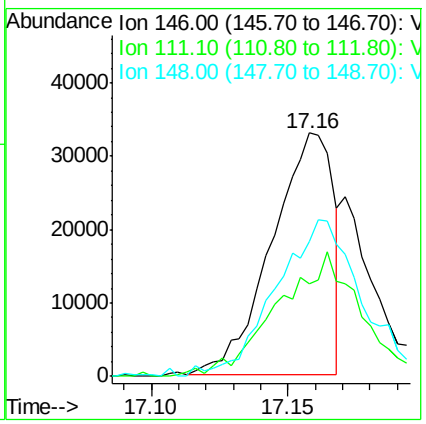


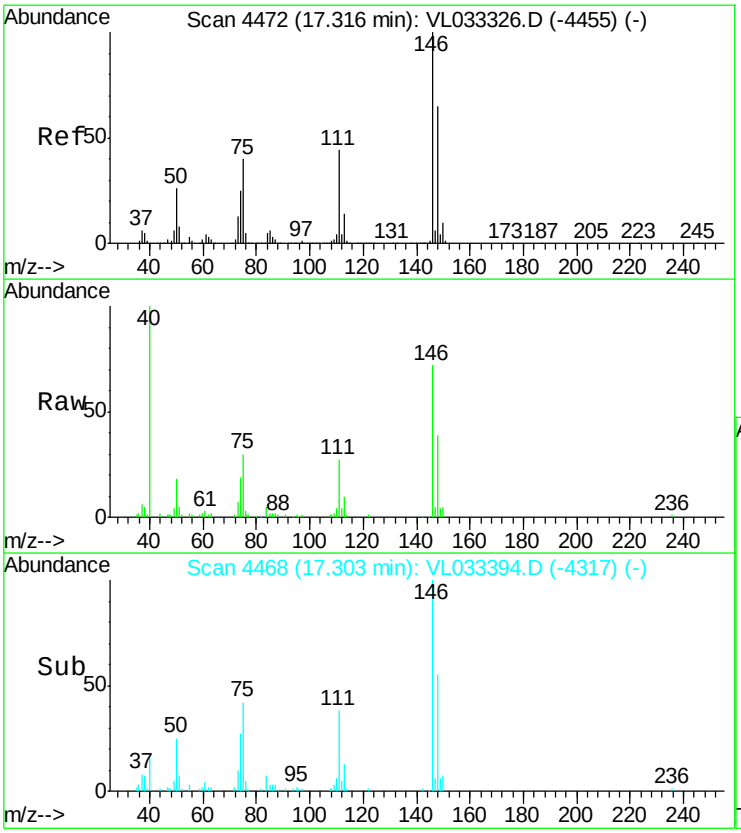
#75
1,3-Dichlorobenzene
Concen: 0.333 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 51525

Ion	Ratio	Lower	Upper
146	100		
111	69.4	22.8	68.3#
148	92.7	31.9	95.7

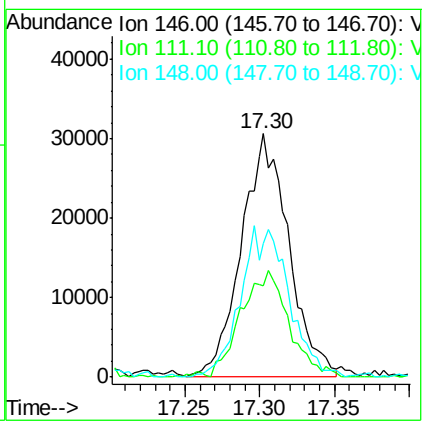


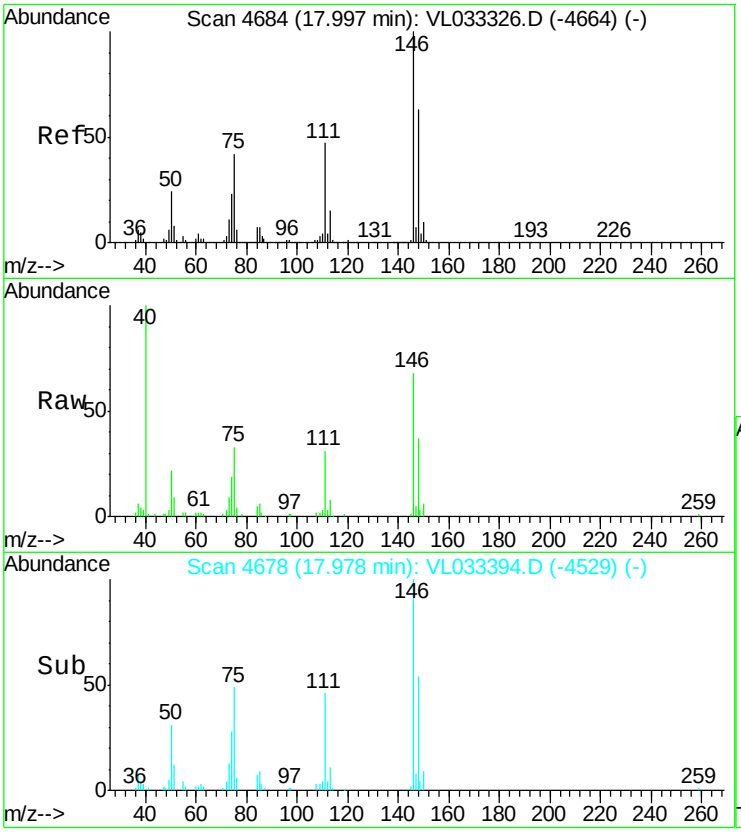


#76
1,4-Dichlorobenzene
Concen: 0.451 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:146 Resp: 67542

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.9	65.7
148	63.1	32.1	96.5



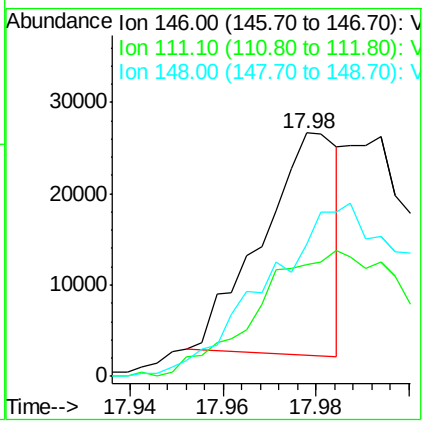


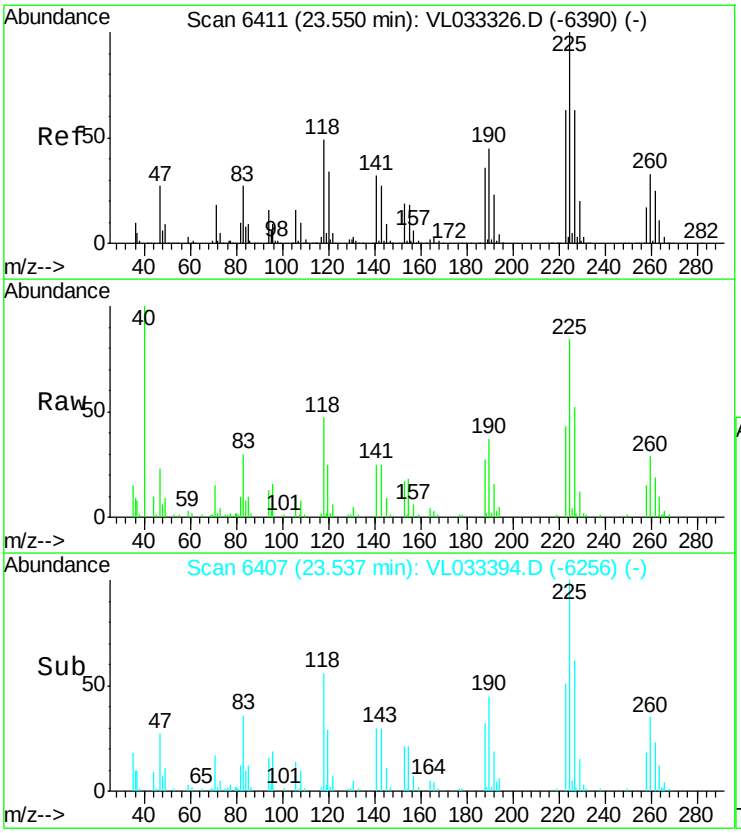
#77
1,2-Dichlorobenzene
Concen: 0.188 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.02 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 27536

Ion	Ratio	Lower	Upper
146	100		
111	115.6	23.5	70.6#
148	157.3	31.9	95.9#

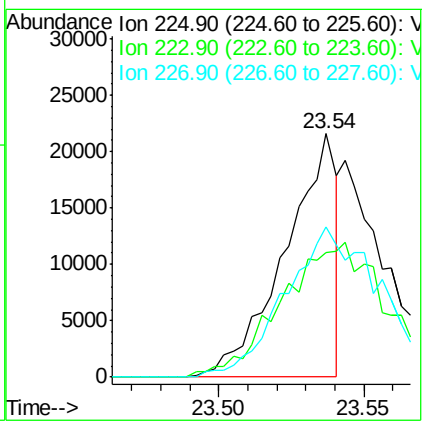


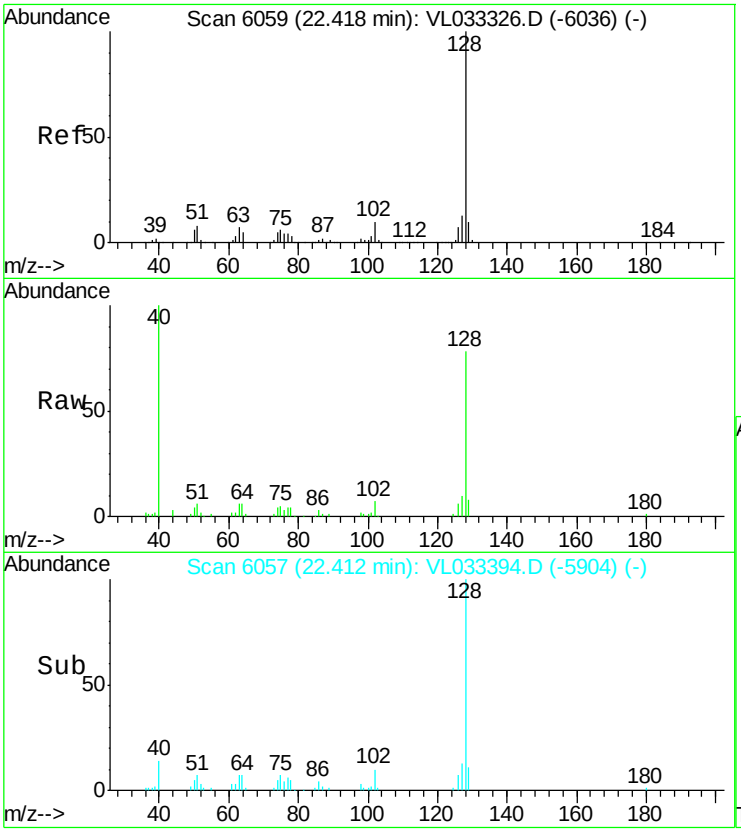


#78
Hexachloro-1,3-Butadiene
Concen: 0.303 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:225 Resp: 26546

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.4	75.6#
227	116.2	50.5	75.7#



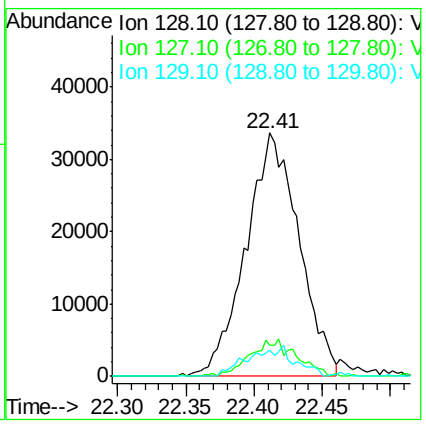


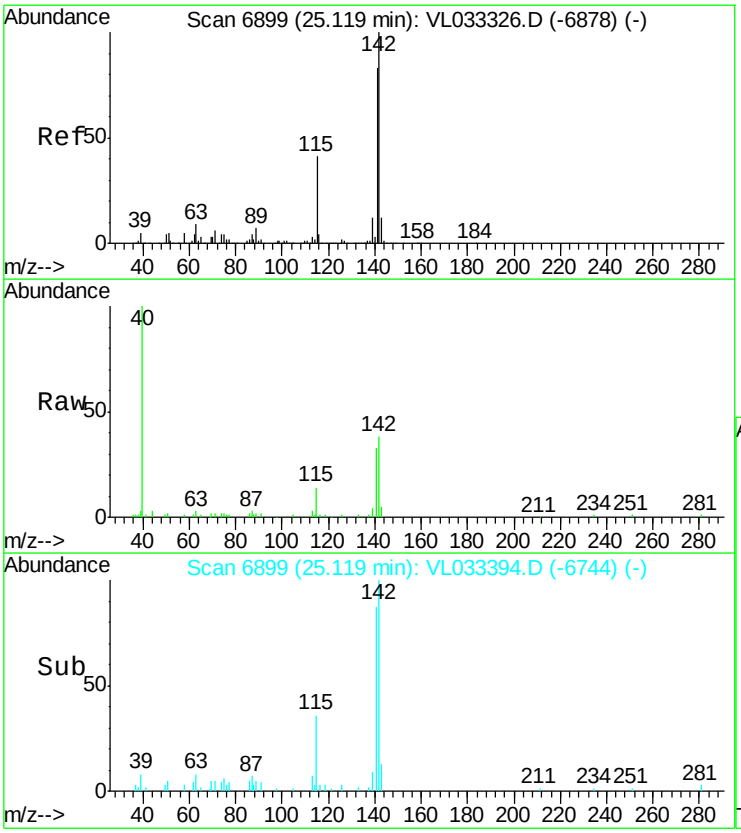
#79
Naphthalene
Concen: 0.360 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:128 Resp: 91044

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.2	12.2

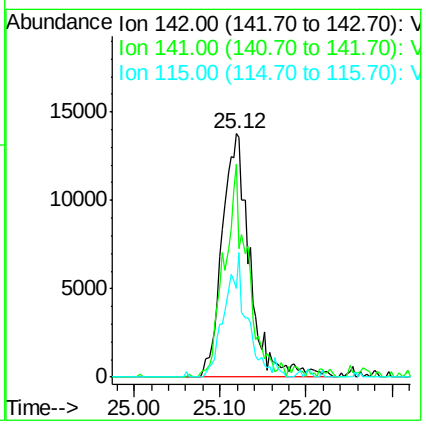


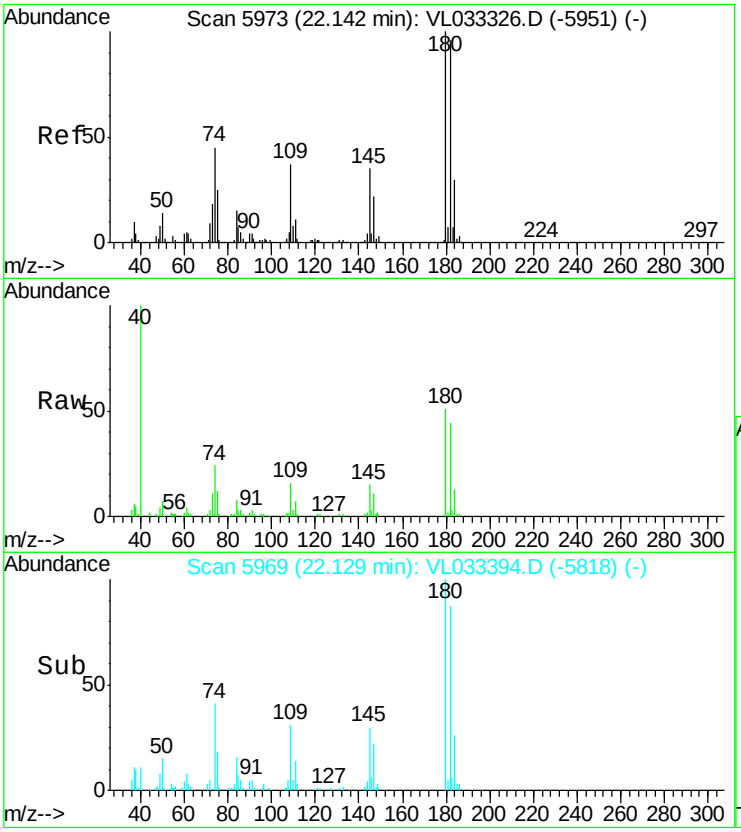


#80
Naphthalene,2-methyl-
Concen: 0.258 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Tgt Ion:142 Resp: 30868

Ion	Ratio	Lower	Upper
142	100		
141	73.7	67.1	100.7
115	41.3	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.259 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033394.D
Acq: 20 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:180 Resp: 33419

Ion	Ratio	Lower	Upper
180	100		
182	157.1	76.1	114.1#
184	51.7	24.6	37.0#