Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
Data File : VL032457.D
Acq On : 5 Sep 2018 14:42
Operator : SY/AP
Sample : J4717-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Quant Time: Sep 06 04:59:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	1688674	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.33	114	3399390	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.29	117	3297500	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.63	95	2566497	10.48	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	83661	0.387	ppbv		94
3) Chlorodifluoromethane	3.04	51	9885	0.065	ppbv		97
8) Dichlorotetrafluoroethane	3.11	85	83661	0.436	ppbv	#	21
9) Propene	3.06	41	372662	6.044	ppbv		94
10) Heptane	8.30	43	29217	0.132	ppbv		90
11) Trichlorofluoromethane	4.04	101	750769	3.855	ppbv		97
13) Ethanol	3.68	45	228219	11.874	ppbv		97
15) Acetone	3.93	43	2049483	13.477	ppbv		98
16) 1,3-Butadiene	3.37	39	308029	4.305	ppbv	#	20
17) tert-Butyl alcohol	4.40	59	165209	7.060	ppbv	#	100
19) Isopropyl Alcohol	4.06	45	24720	0.248	ppbv	#	93
20) Methylene Chloride	4.45	84	81759	1.410	ppbv		97
21) Allyl Chloride	4.51	41	3249	0.032	ppbv	#	23
23) Vinyl Acetate	5.18	43	46570	0.185	ppbv	#	63
25) Ethyl Acetate	5.82	43	101488	0.283	ppbv	#	82
26) Hexane	5.82	57	125690	0.782	ppbv	#	42
27) Carbon Disulfide	4.66	76	68878	0.464	ppbv		95
34) 2-Butanone	5.37	43	443303	1.963	ppbv		99
36) Benzene	7.05	78	94697	0.327	ppbv		98
39) 1,2-Dichloropropane	7.34	63	914490	7.388	ppbv	#	25
50) 4-Methyl-2-Pentanone	8.94	43	58842	0.173	ppbv		93
51) 2-Hexanone	10.33	43	39491	0.180	ppbv	#	29
53) Toluene	10.00	91	322816	1.068	ppbv		98
58) Ethyl Benzene	12.92	91	97886	0.248	ppbv	#	87
59) m/p-Xylene	13.19	91	98022	0.279	ppbv	#	31
60) o-Xylene	13.90	91	107219	0.310	ppbv		100
64) n-propylbenzene	15.77	120	5054	0.040	ppbv	#	1
72) 4-Ethyltoluene	16.05	105	34640	0.092	ppbv	#	58
73) 1,3,5-Trimethylbenzene	16.21	105	21934	0.058	ppbv		100
74) 1,2,4-Trimethylbenzene	16.98	105	139377	0.337	ppbv	#	70
80) Naphthalene,2-methyl-	25.15	142	5023	0.056	ppbv	#	81

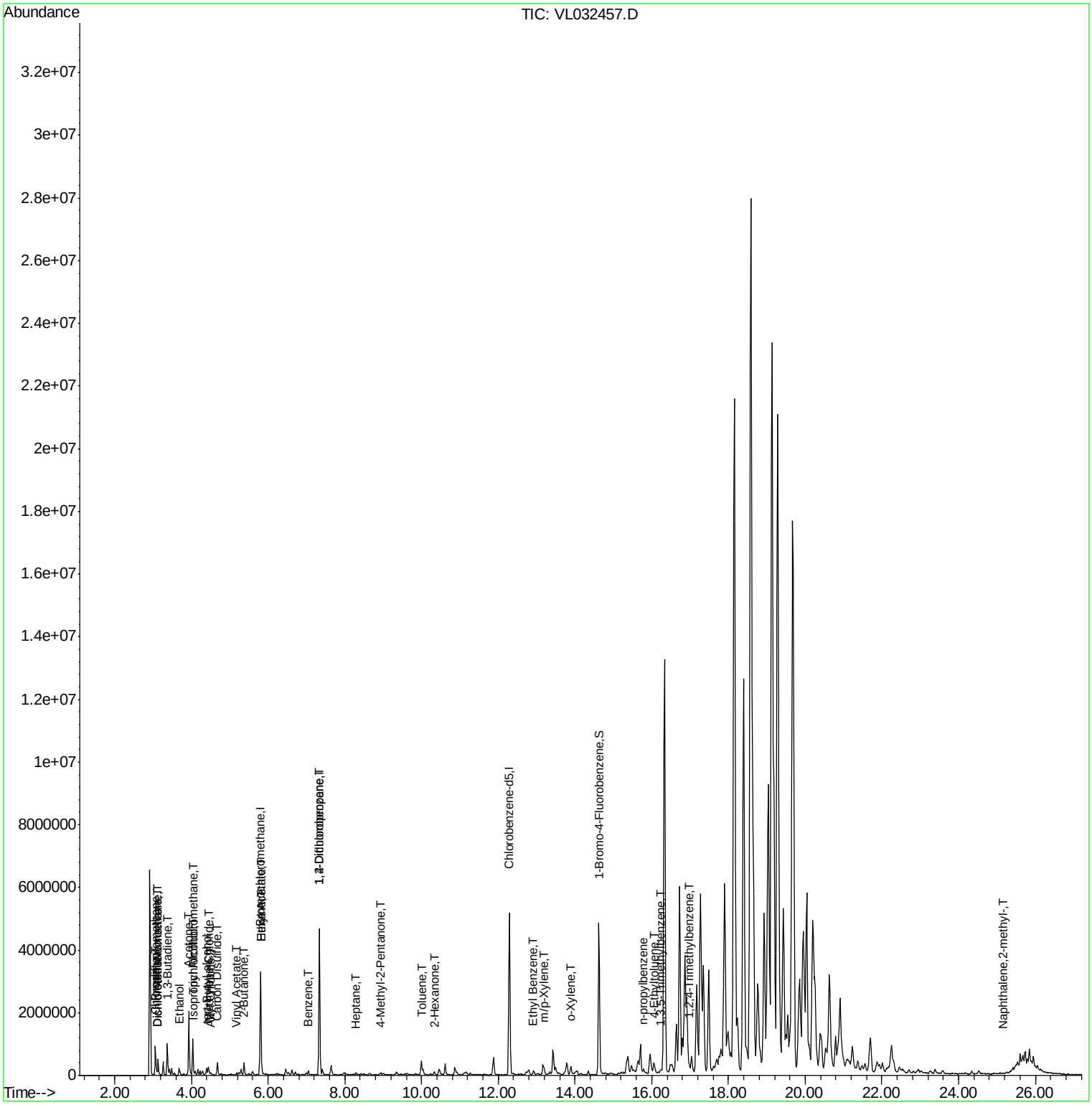
(#) = qualifier out of range (m) = manual integration (+) = signals summed

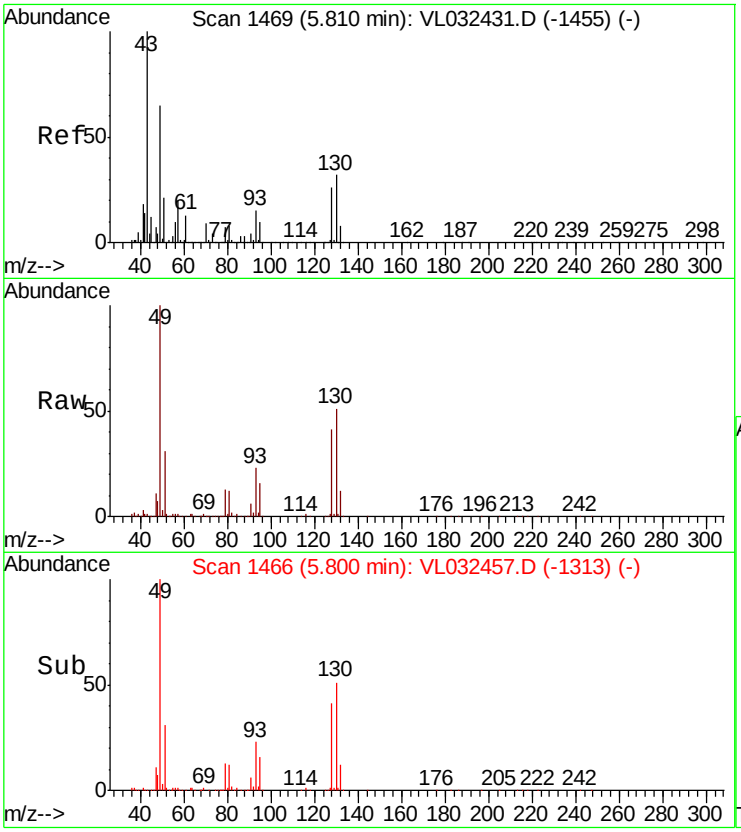
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
Data File : VL032457.D
Acq On : 5 Sep 2018 14:42
Operator : SY/AP
Sample : J4717-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Quant Time: Sep 06 04:59:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration



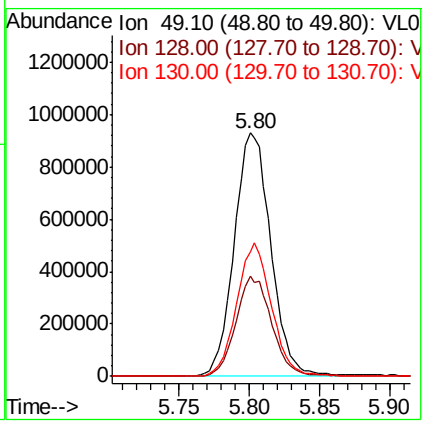


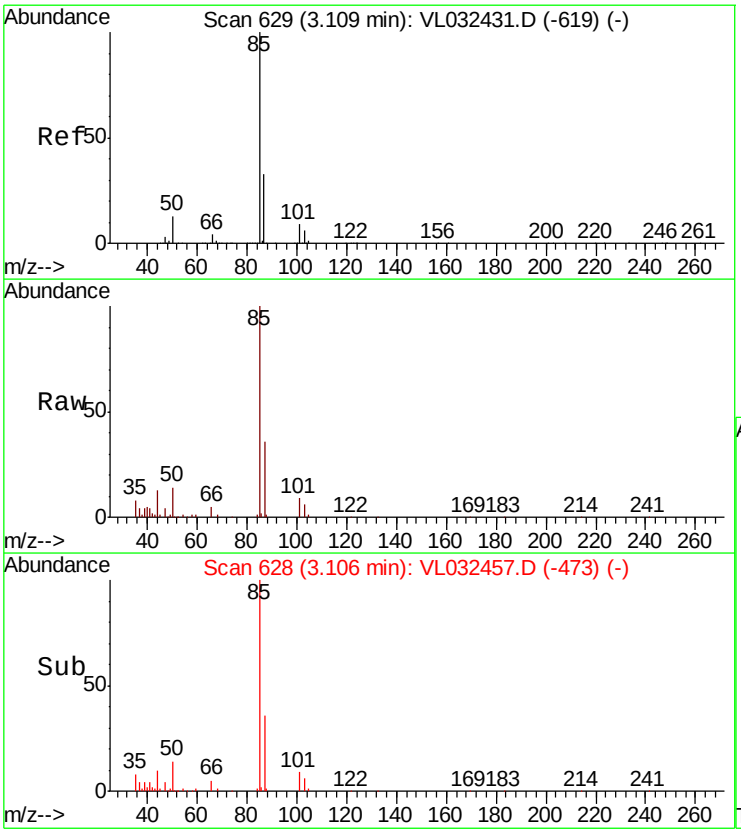
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.80 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion: 49 Resp: 1688674

Ion	Ratio	Lower	Upper
49	100		
128	40.5	20.7	62.1
130	52.4	26.6	79.7

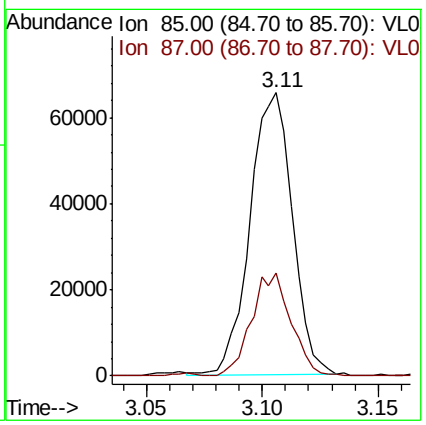


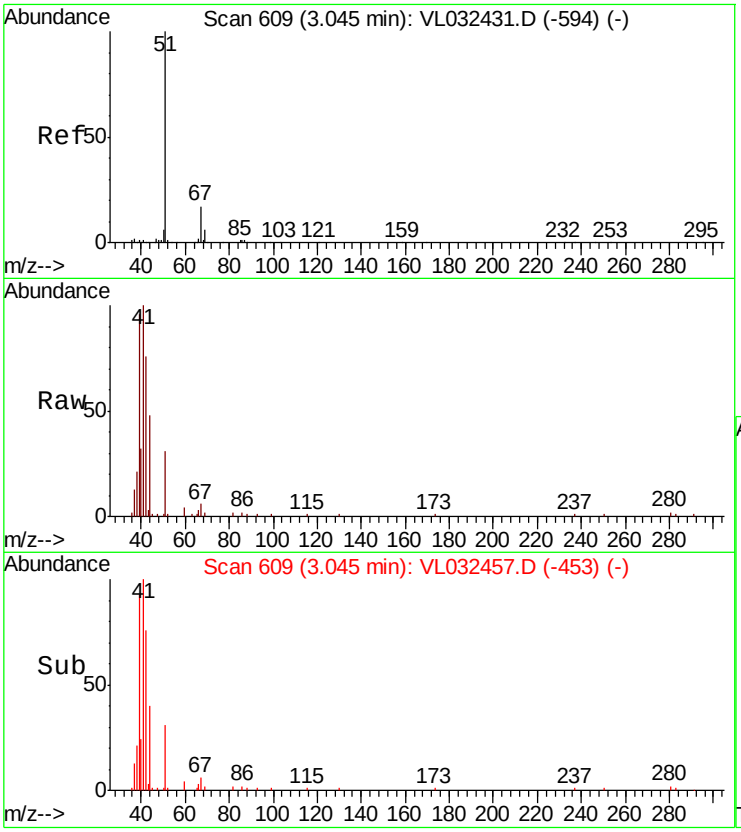


#2
Dichlorodifluoromethane
Concen: 0.387 ppbv
RT: 3.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 85 Resp: 83661

Ion	Ratio	Lower	Upper
85	100		
87	36.0	26.2	39.4



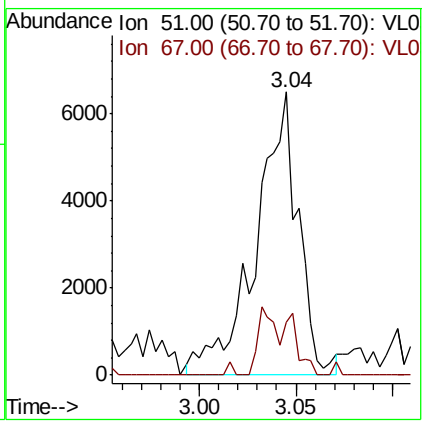


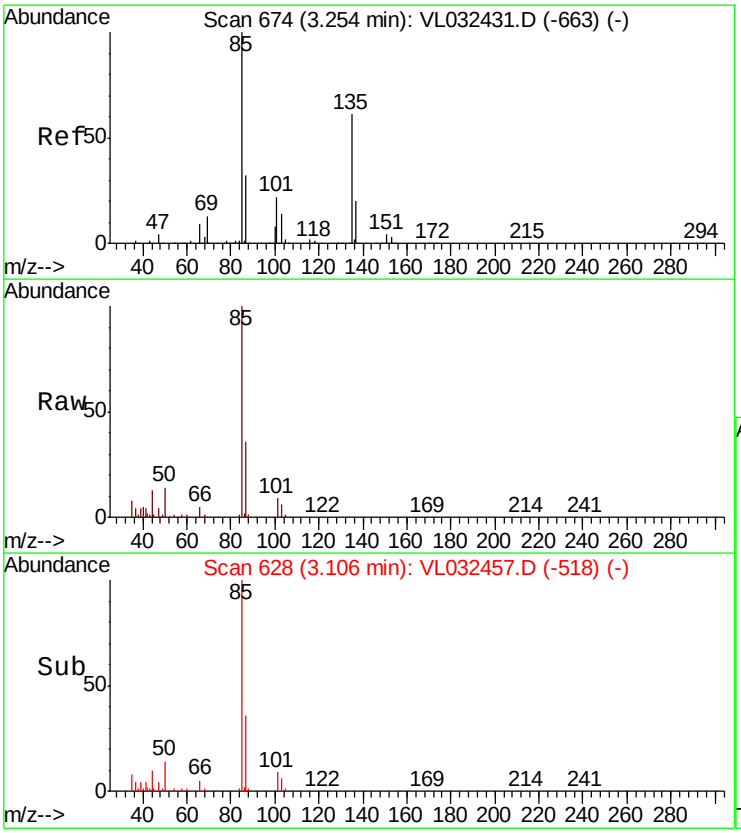
#3
Chlorodifluoromethane
Concen: 0.065 ppbv
RT: 3.04 min Scan# 609
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 51 Resp: 9885

Ion	Ratio	Lower	Upper
51	100		
67	18.8	13.8	20.8

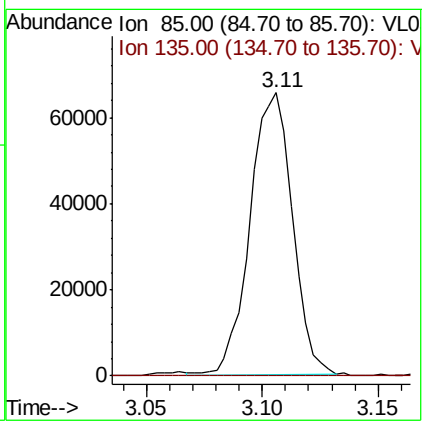


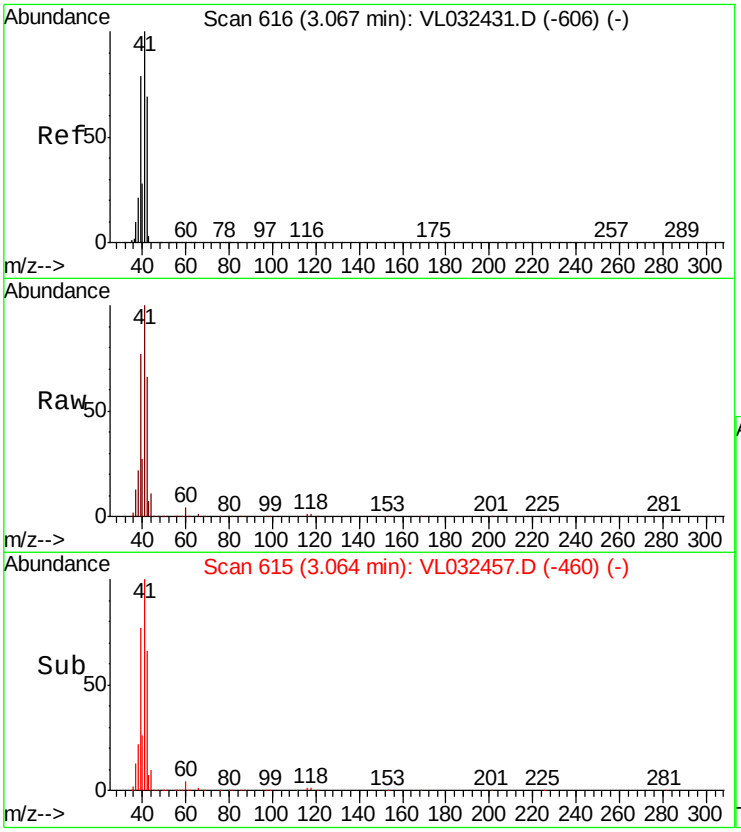


#8
Dichlorotetrafluoroethane
Concen: 0.436 ppbv
RT: 3.11 min Scan# 628
Delta R.T. -0.15 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 85 Resp: 83661

Ion	Ratio	Lower	Upper
85	100		
135	0.2	48.6	72.8#



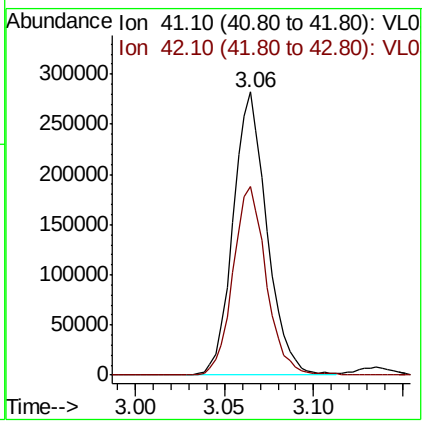


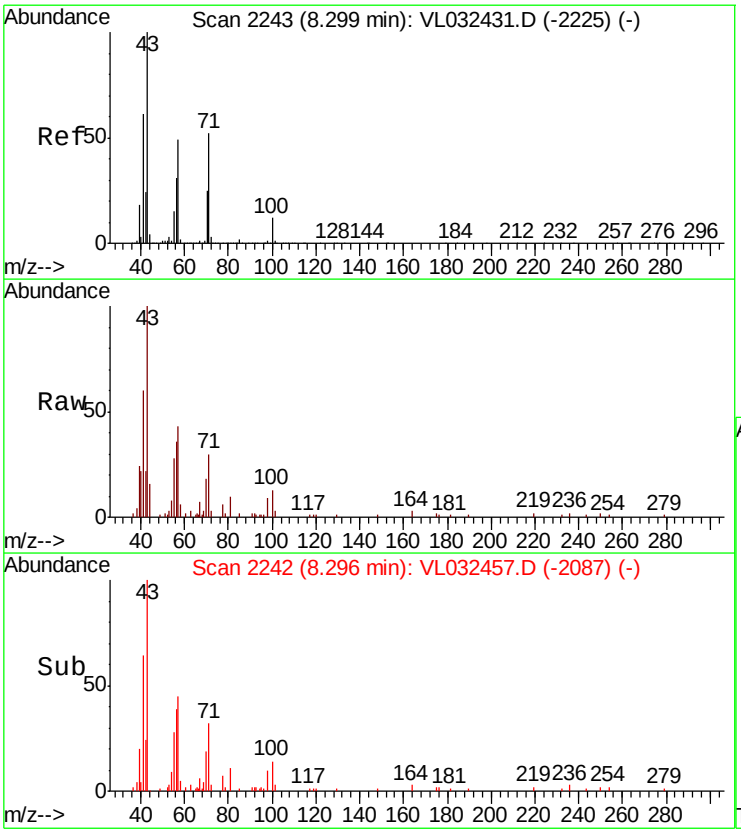
#9
Propene
Concen: 6.044 ppbv
RT: 3.06 min Scan# 615
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion: 41 Resp: 372662

Ion	Ratio	Lower	Upper
41	100		
42	65.7	56.6	84.8

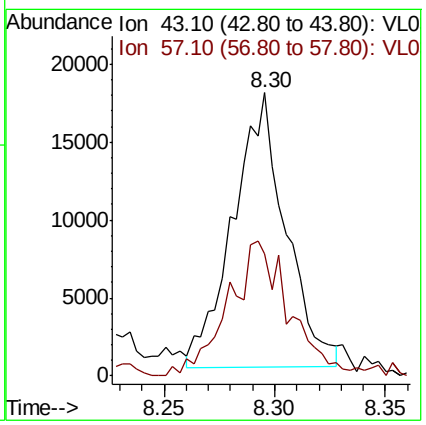


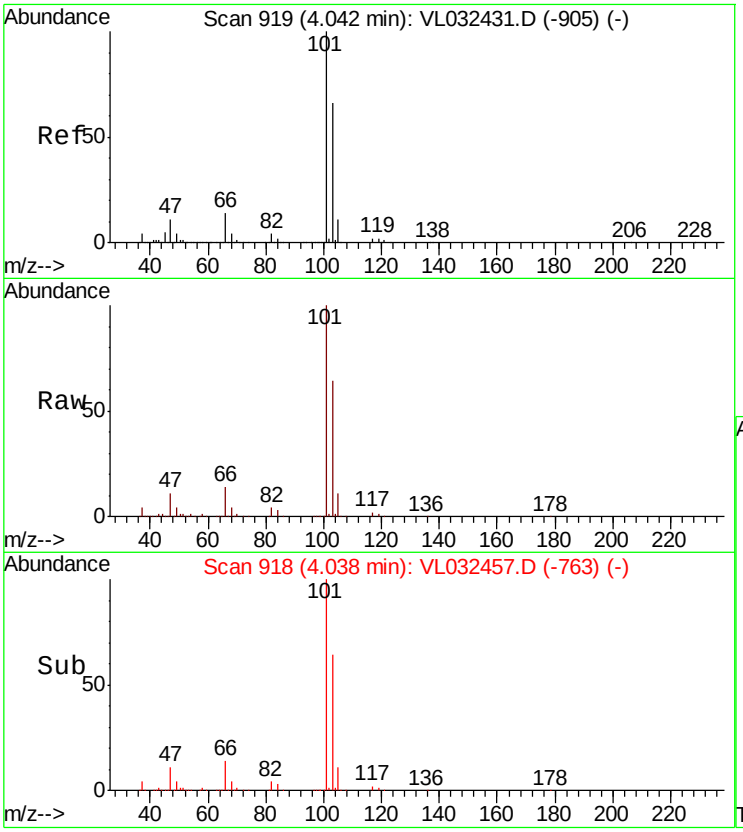


#10
Heptane
Concen: 0.132 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 43 Resp: 29217

Ion	Ratio	Lower	Upper
43	100		
57	56.6	39.6	59.4



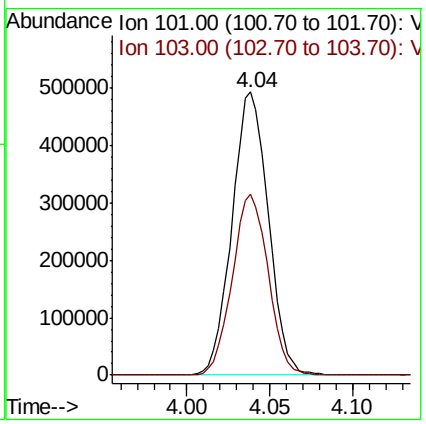


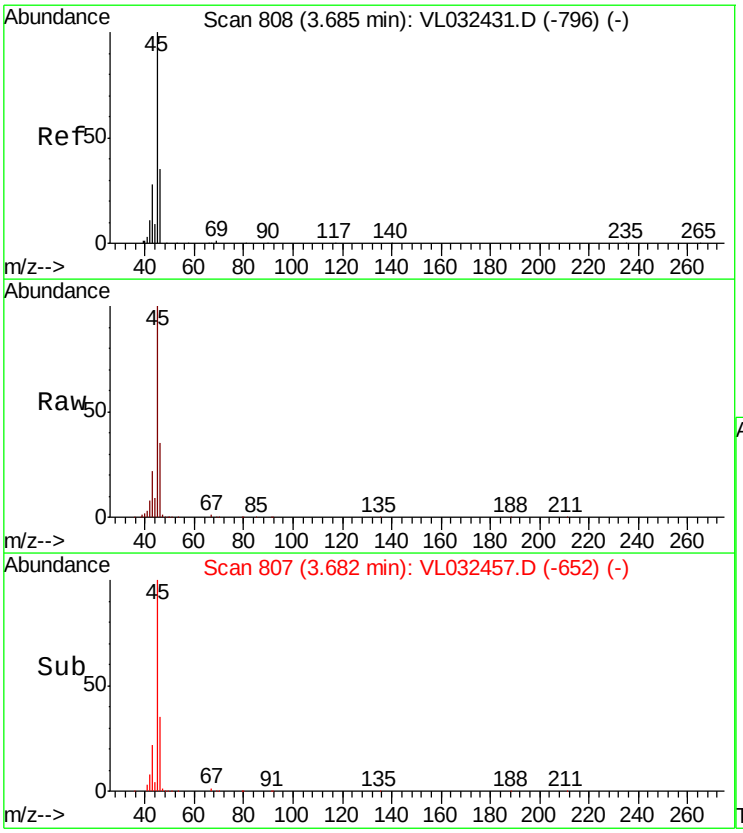
#11
Trichlorofluoromethane
Concen: 3.855 ppbv
RT: 4.04 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion:101 Resp: 750769

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.8	79.2

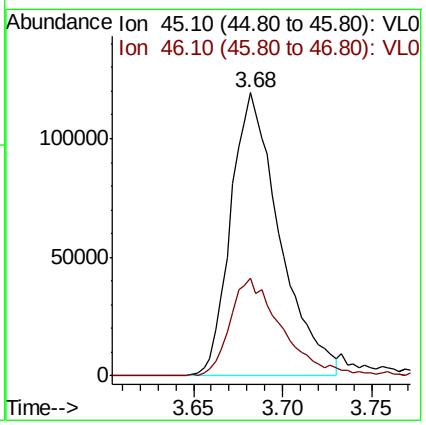


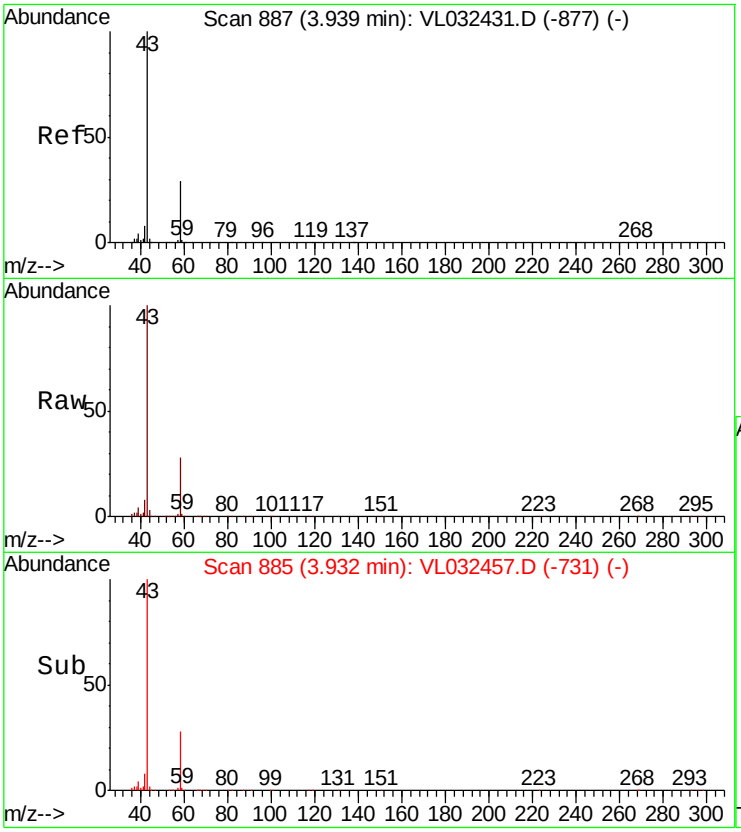


#13
Ethanol
Concen: 11.874 ppbv
RT: 3.68 min Scan# 807
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 45 Resp: 228219

Ion	Ratio	Lower	Upper
45	100		
46	37.5	14.2	56.8



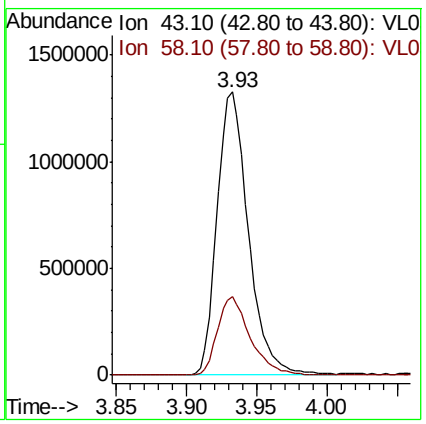


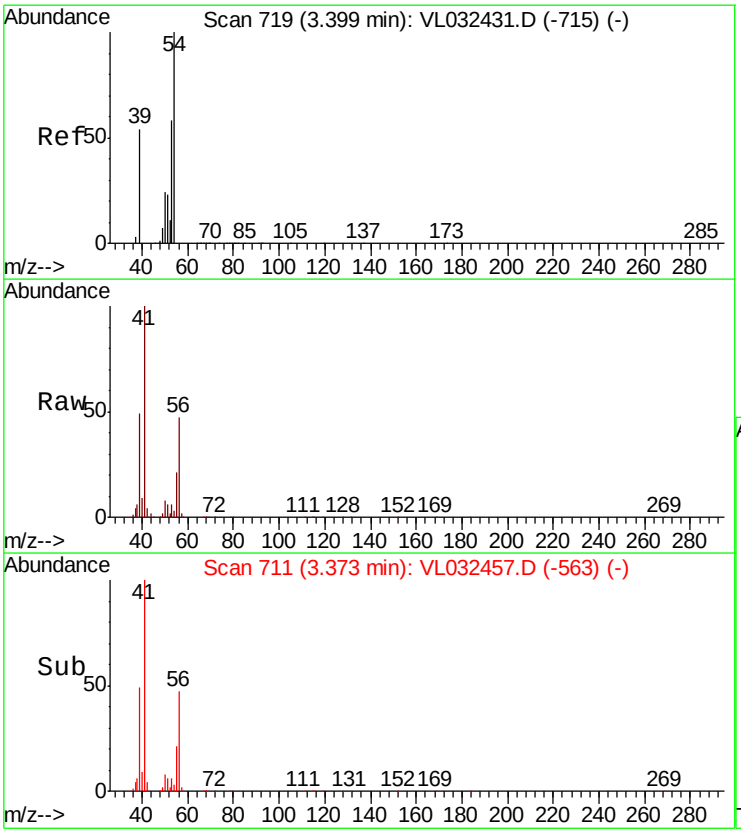
#15
Acetone
Concen: 13.477 ppbv
RT: 3.93 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 43 Resp: 2049483

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.6	33.8

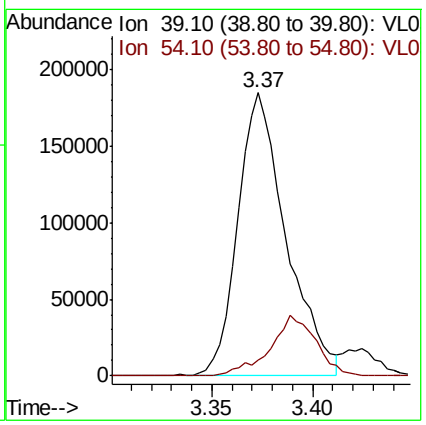


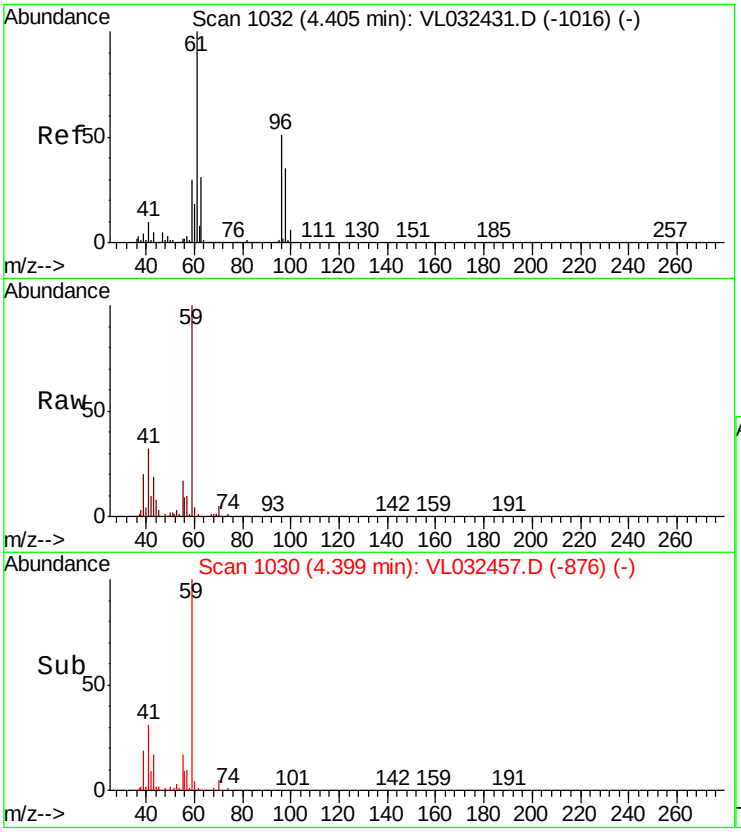


#16
1,3-Butadiene
Concen: 4.305 ppbv
RT: 3.37 min Scan# 711
Delta R.T. -0.03 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 39 Resp: 308029

Ion	Ratio	Lower	Upper
39	100		
54	20.3	80.8	121.2#



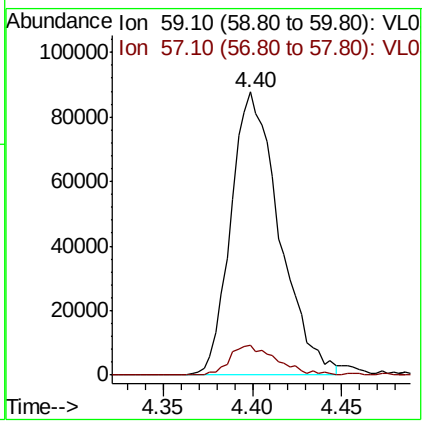


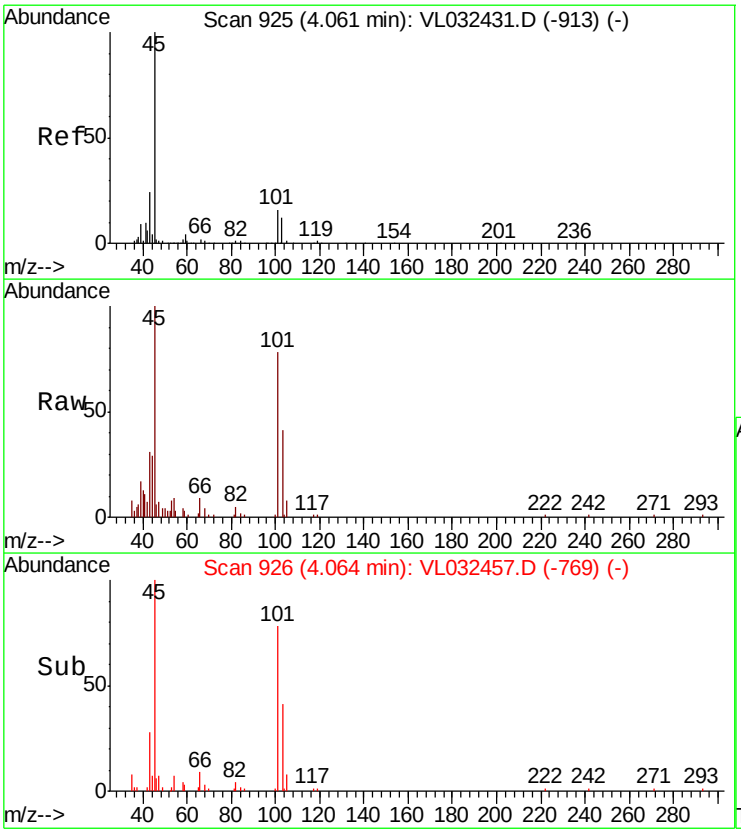
#17
tert-Butyl alcohol
Concen: 7.060 ppbv
RT: 4.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion: 59 Resp: 165209

Ion	Ratio	Lower	Upper
59	100		
57	10.8	0.0	0.0#

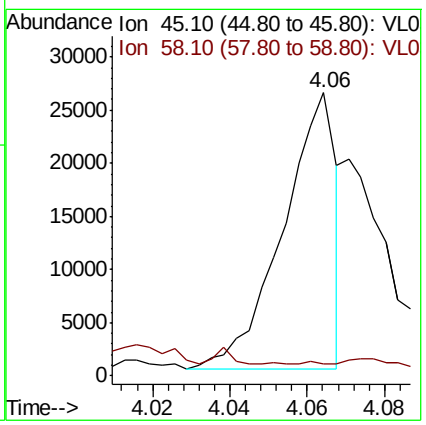


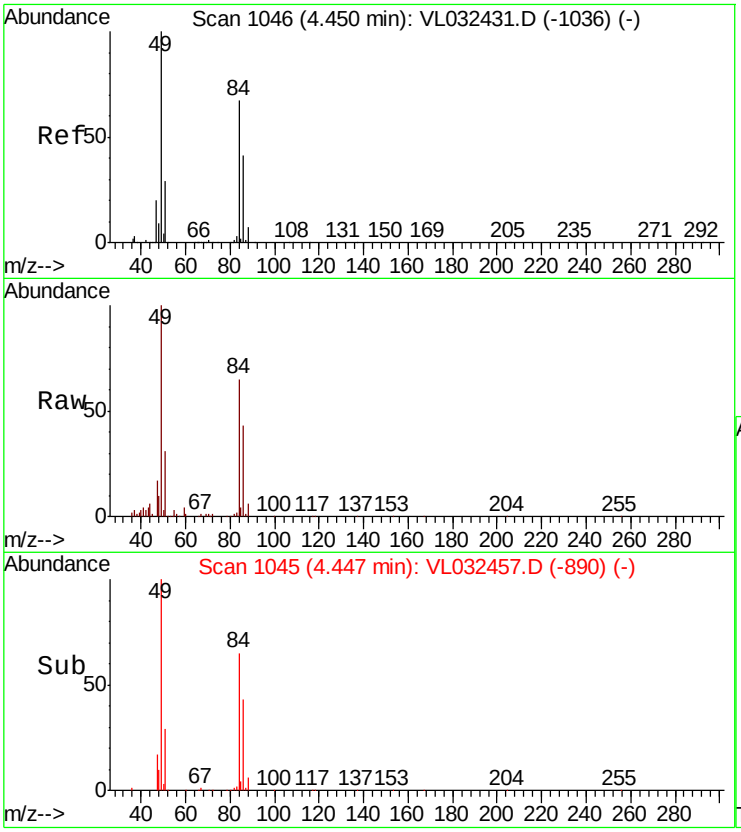


#19
Isopropyl Alcohol
Concen: 0.248 ppbv
RT: 4.06 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 45 Resp: 24720

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



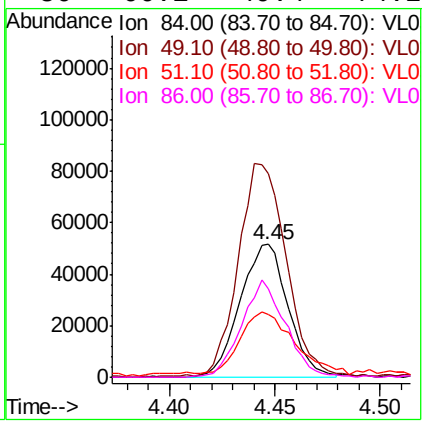


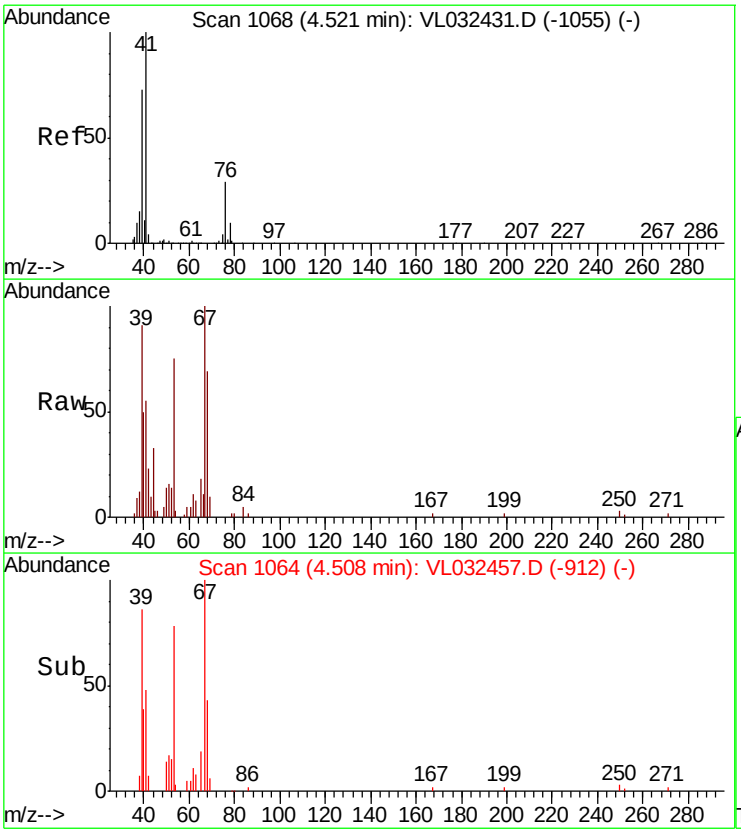
#20
Methylene Chloride
Concen: 1.410 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 84 Resp: 81759

Ion	Ratio	Lower	Upper
84	100		
49	151.2	119.1	178.7
51	42.8	35.2	52.8
86	66.1	49.4	74.2

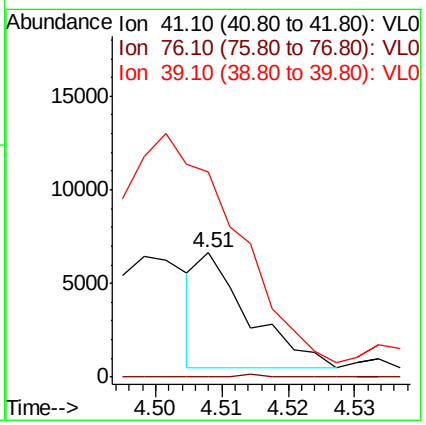


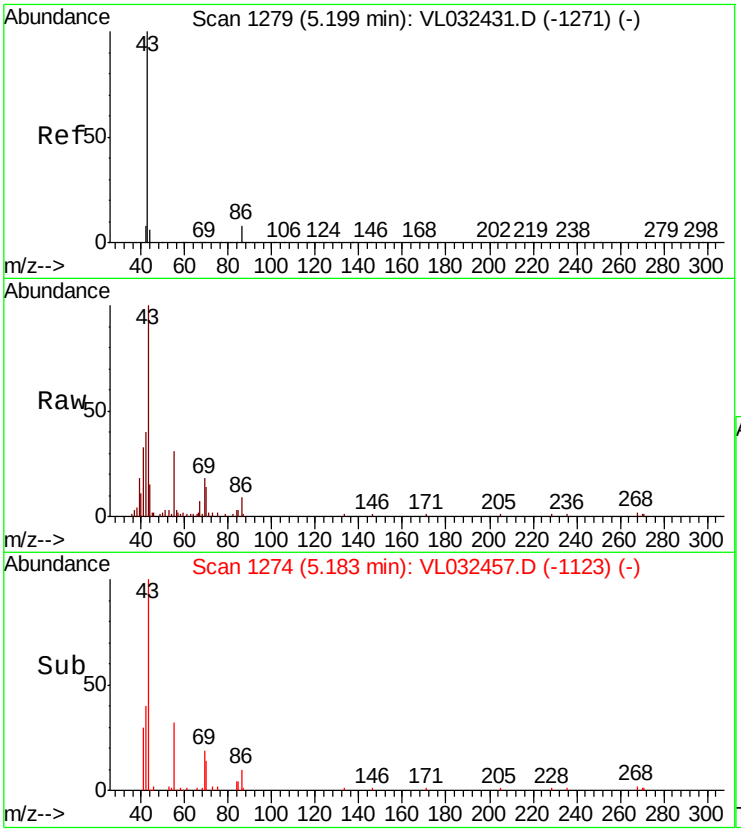


#21
Allyl Chloride
Concen: 0.032 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 41 Resp: 3249

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.6	35.4#
39	0.0	57.7	86.5#



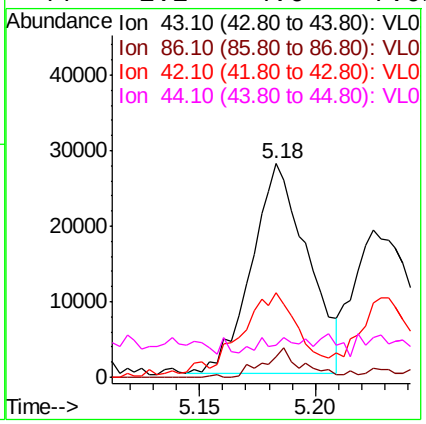


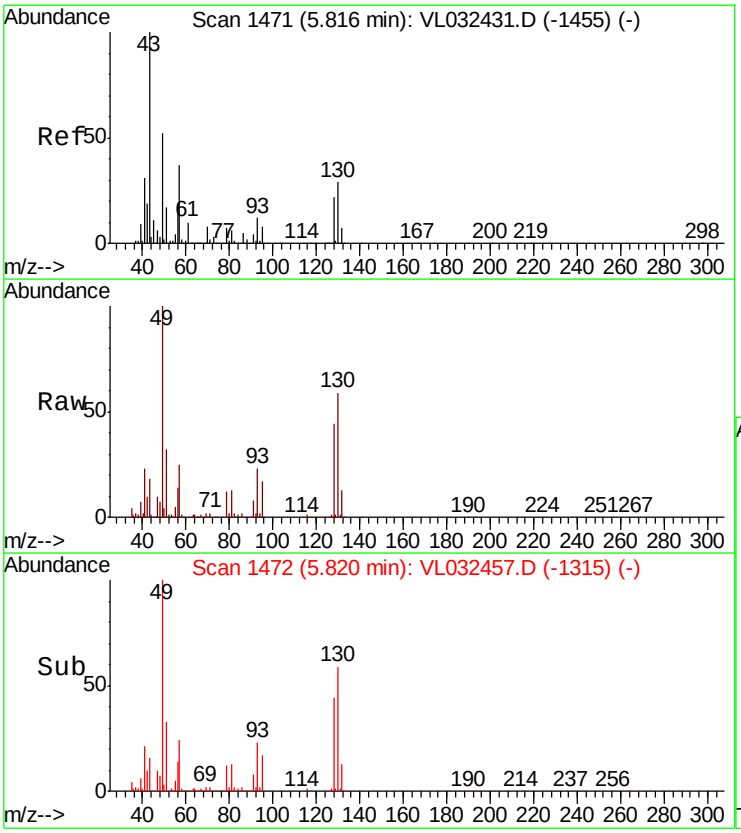
#23
Vinyl Acetate
Concen: 0.185 ppbv
RT: 5.18 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 43 Resp: 46570

Ion	Ratio	Lower	Upper
43	100		
86	9.5	5.9	8.9#
42	38.1	6.9	10.3#
44	2.2	4.6	7.0#

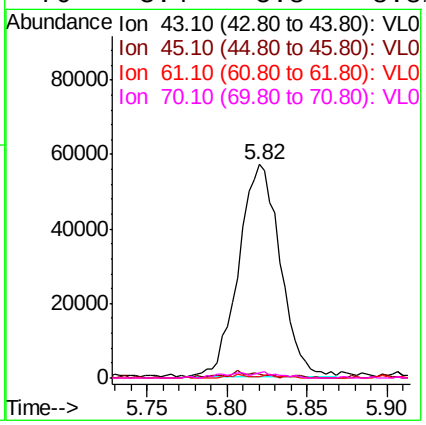


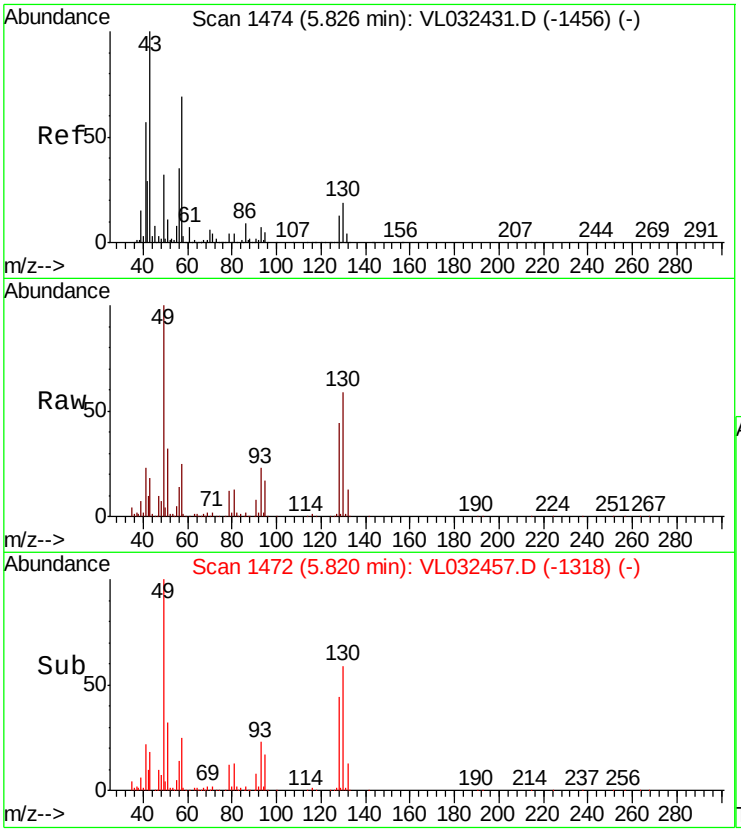


#25
Ethyl Acetate
Concen: 0.283 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 43 Resp: 101488

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.0	12.0#
61	1.6	7.6	11.4#
70	3.4	5.8	8.8#



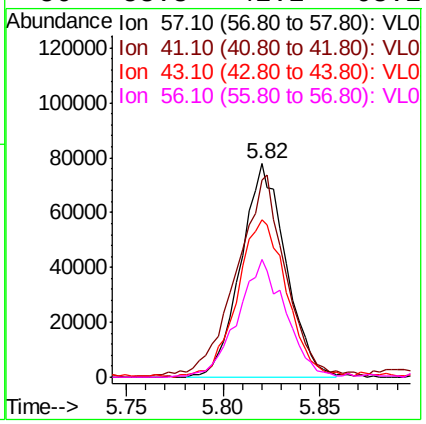


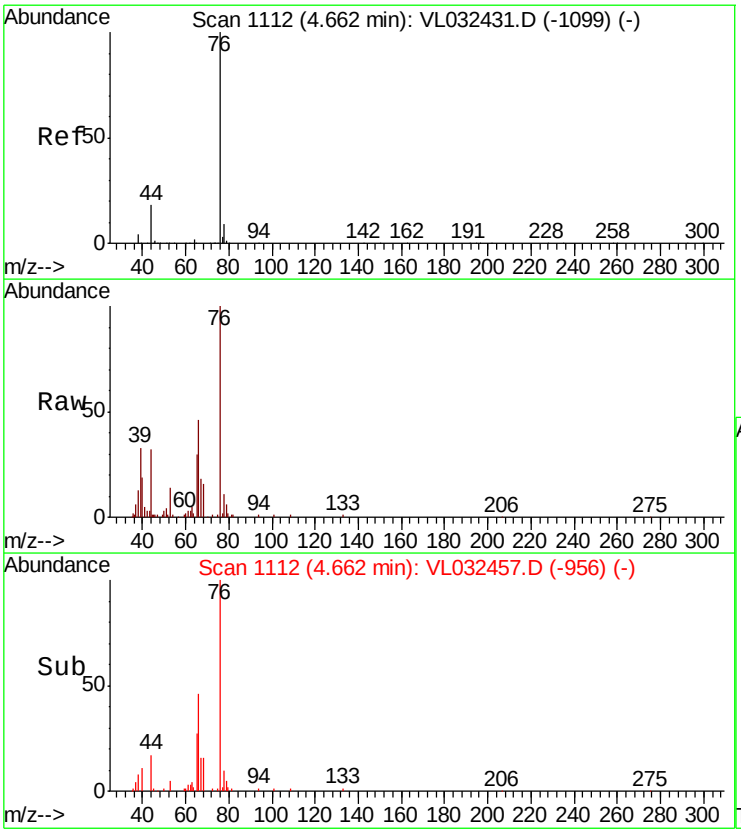
#26
Hexane
Concen: 0.782 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 57 Resp: 125690

Ion	Ratio	Lower	Upper
57	100		
41	103.7	69.0	103.4#
43	80.1	172.1	258.1#
56	58.8	42.2	63.2

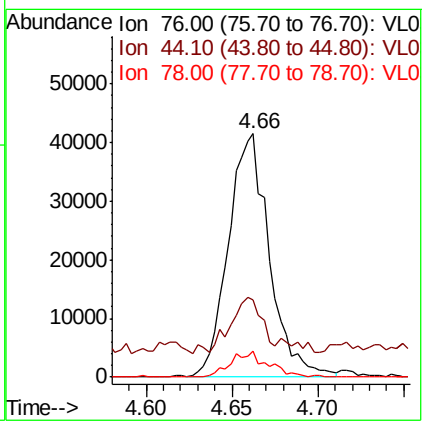


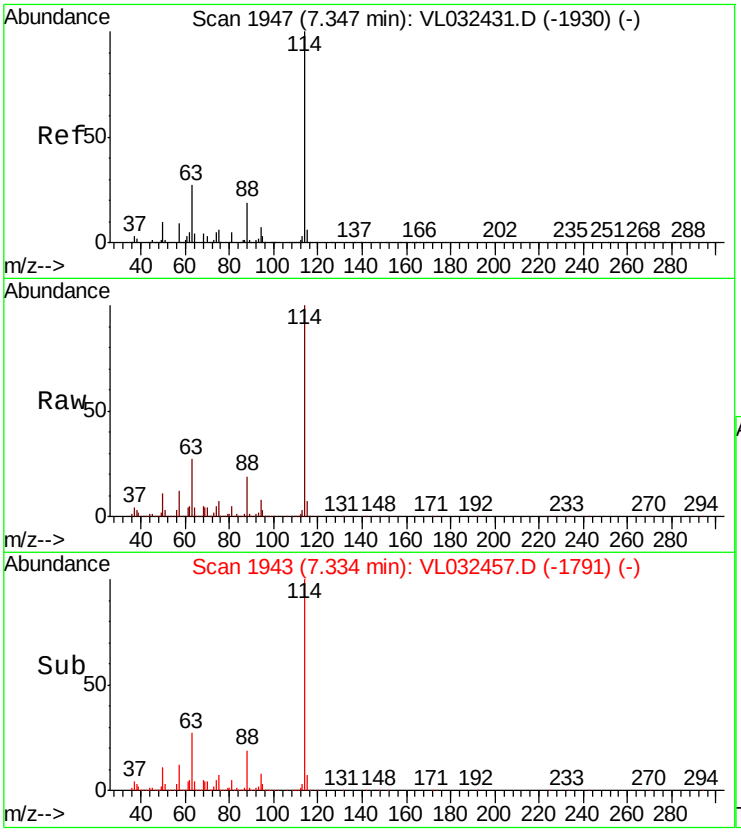


#27
Carbon Disulfide
Concen: 0.464 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 76 Resp: 68878

Ion	Ratio	Lower	Upper
76	100		
44	20.4	14.0	21.0
78	9.9	7.5	11.3



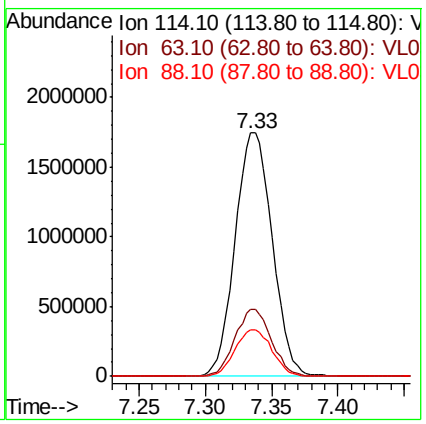


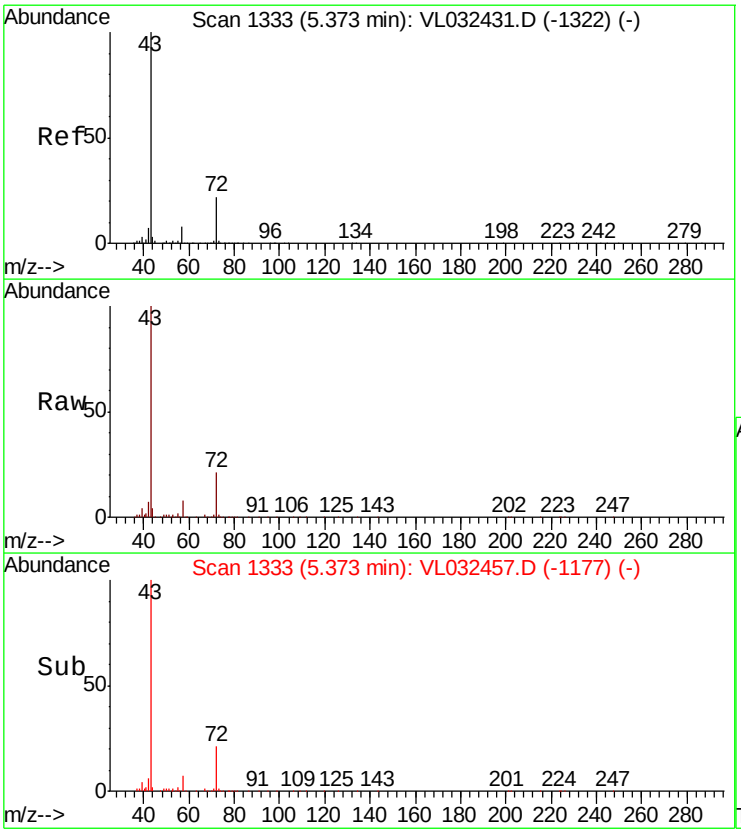
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion:114 Resp: 3399390

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	19.1	15.0	22.4

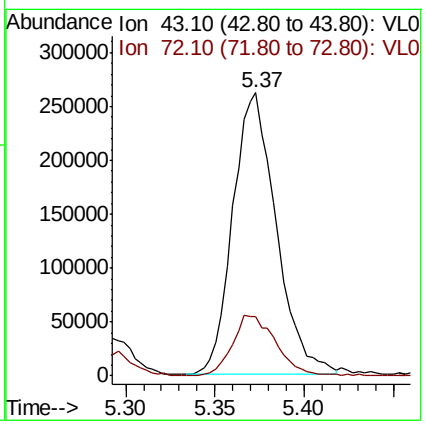


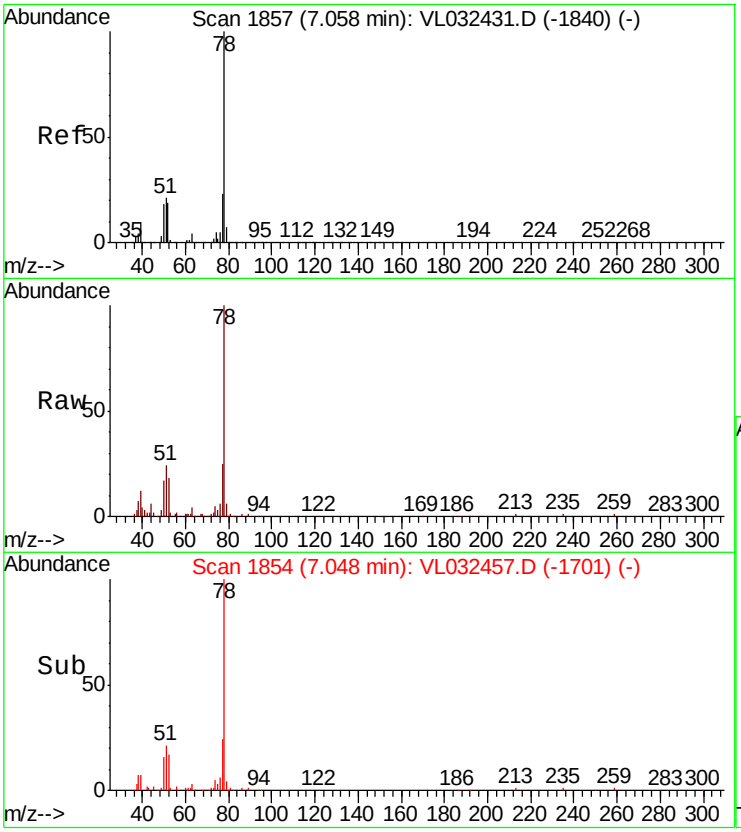


#34
2-Butanone
Concen: 1.963 ppbv
RT: 5.37 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 43 Resp: 443303

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6



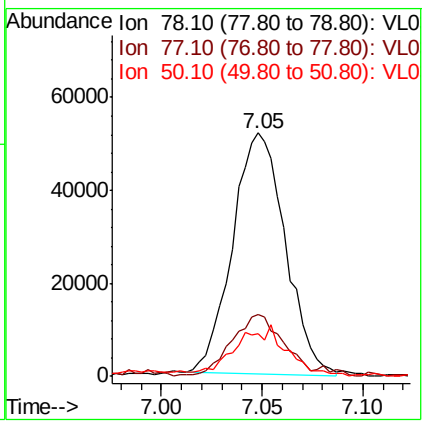


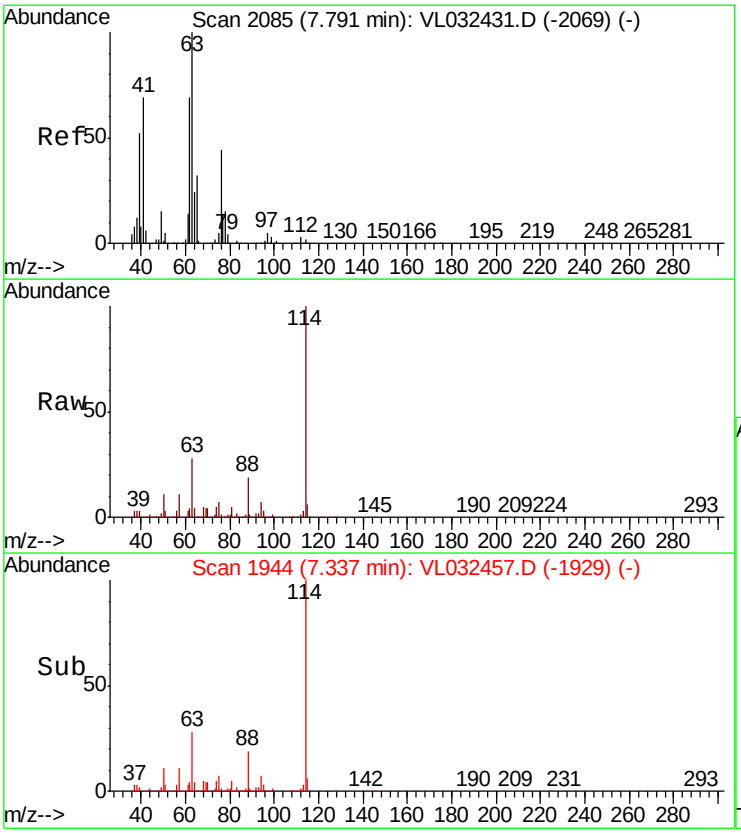
#36
Benzene
Concen: 0.327 ppbv
RT: 7.05 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion: 78 Resp: 94697

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.4	27.6
50	16.4	14.4	21.6

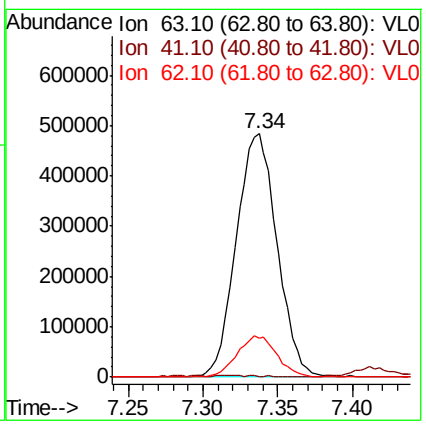


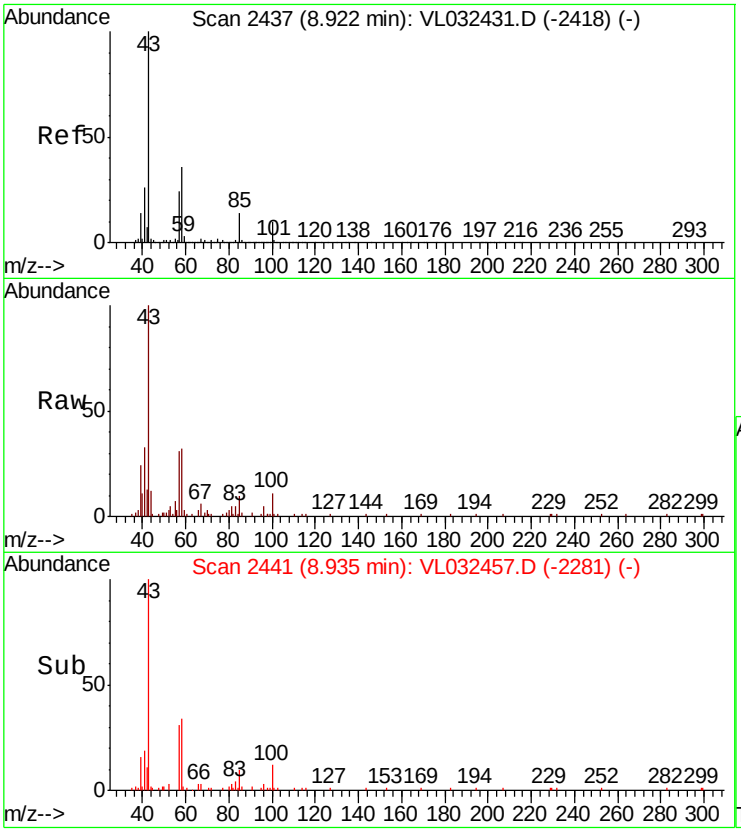


#39
1,2-Dichloropropane
Concen: 7.388 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.45 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 63 Resp: 914490

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	16.1	55.4	83.0#



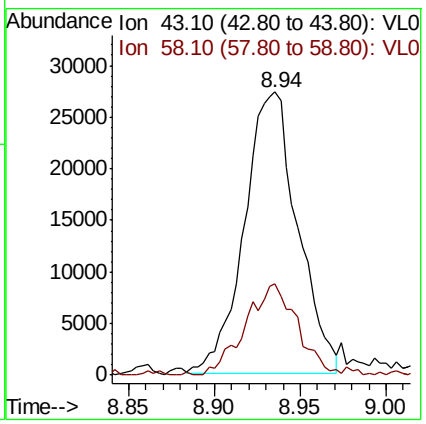


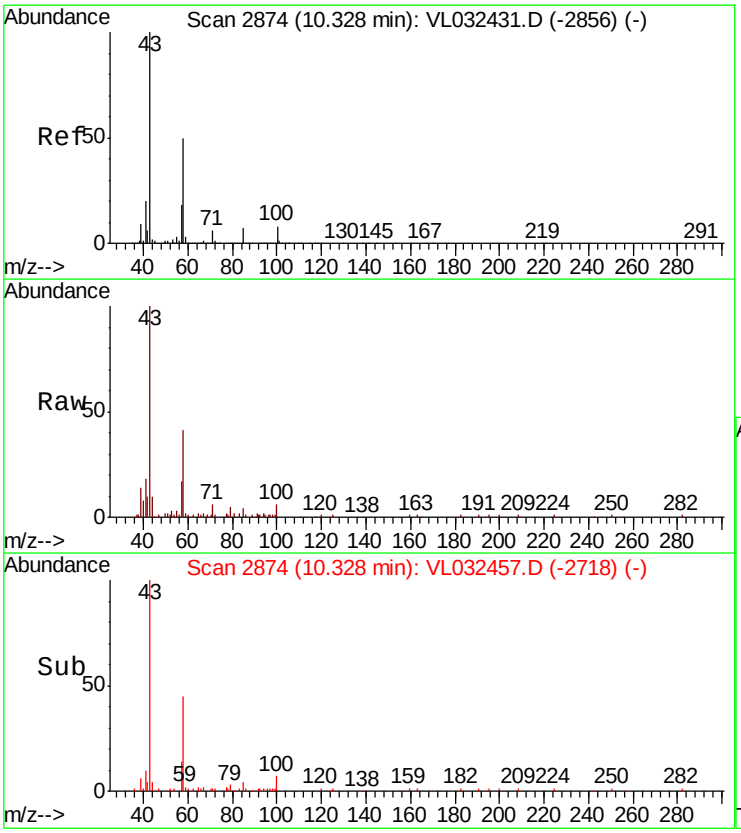
#50
4-Methyl-2-Pentanone
Concen: 0.173 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. 0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 43 Resp: 58842

Ion	Ratio	Lower	Upper
43	100		
58	31.9	29.0	43.4

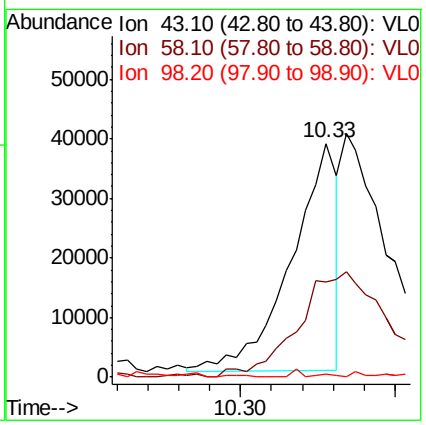


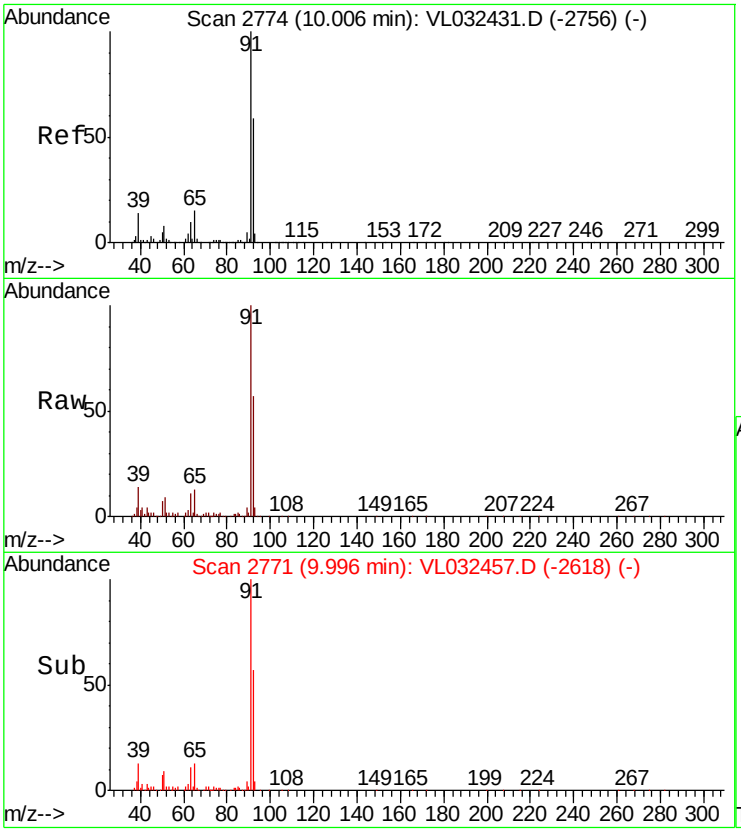


#51
2-Hexanone
Concen: 0.180 ppbv
RT: 10.33 min Scan# 2874
Delta R.T. 0.00 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 43 Resp: 39491

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.2	58.8#
98	2.1	0.4	0.6#



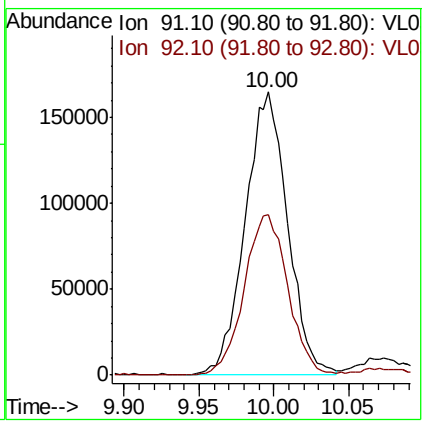


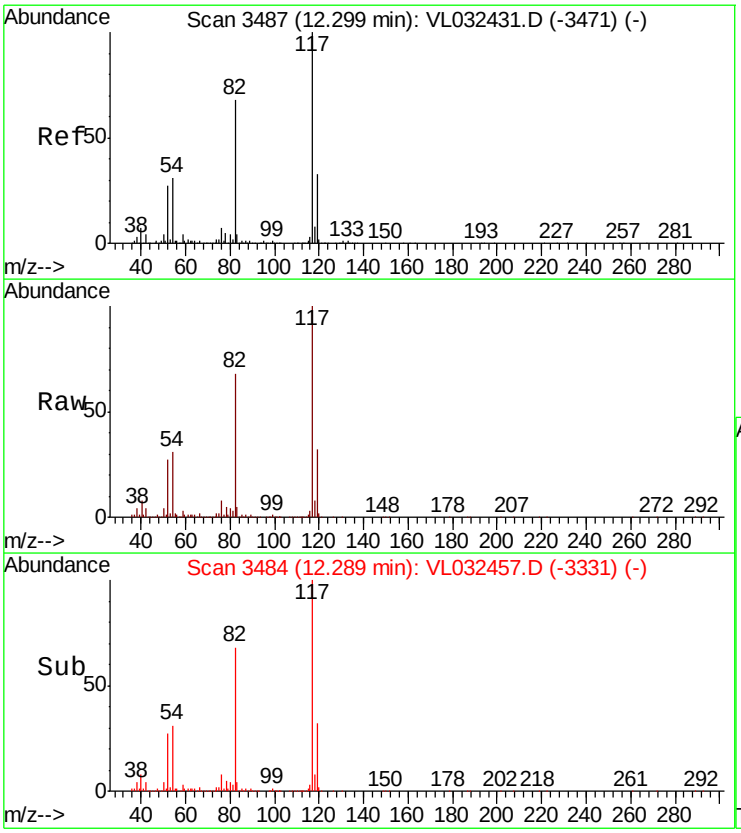
#53
Toluene
Concen: 1.068 ppbv
RT: 10.00 min Scan# 2771
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 91 Resp: 322816

Ion	Ratio	Lower	Upper
91	100		
92	59.0	48.1	72.1

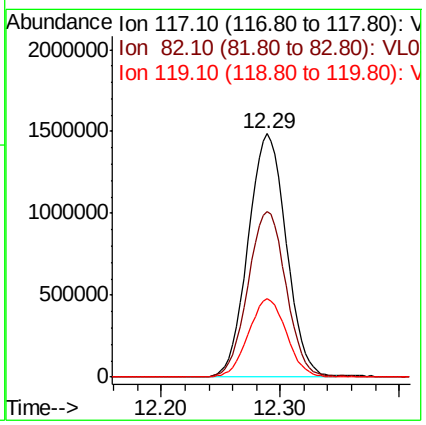


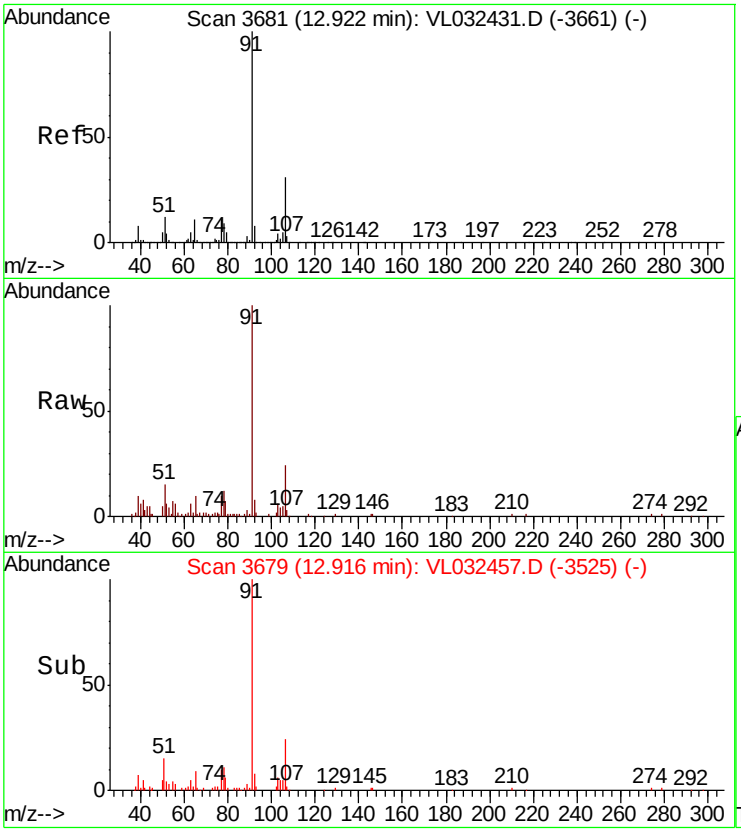


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3484
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion:117 Resp: 3297500

Ion	Ratio	Lower	Upper
117	100		
82	68.3	53.0	79.6
119	32.3	45.9	68.9#



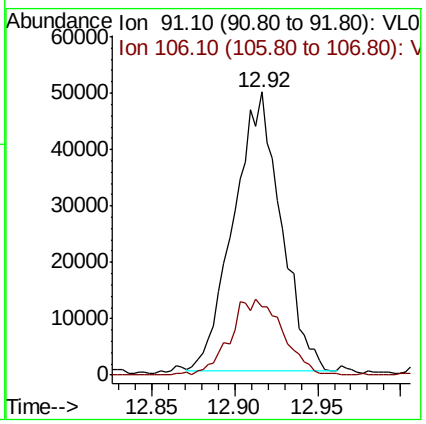


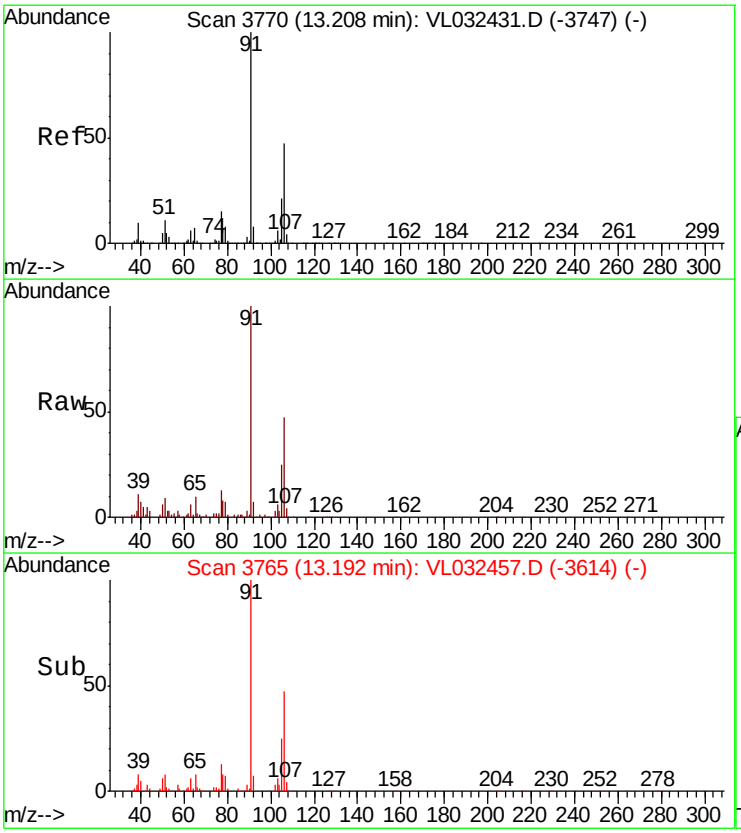
#58
Ethyl Benzene
Concen: 0.248 ppbv
RT: 12.92 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 91 Resp: 97886

Ion	Ratio	Lower	Upper
91	100		
106	24.0	24.8	37.2#

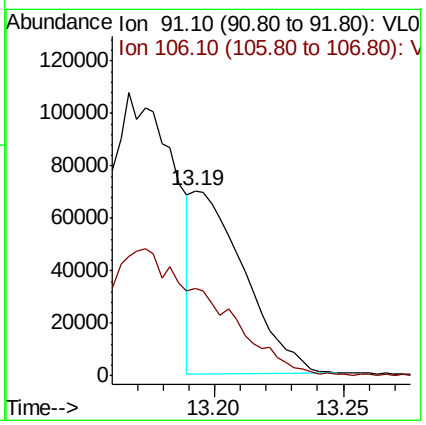


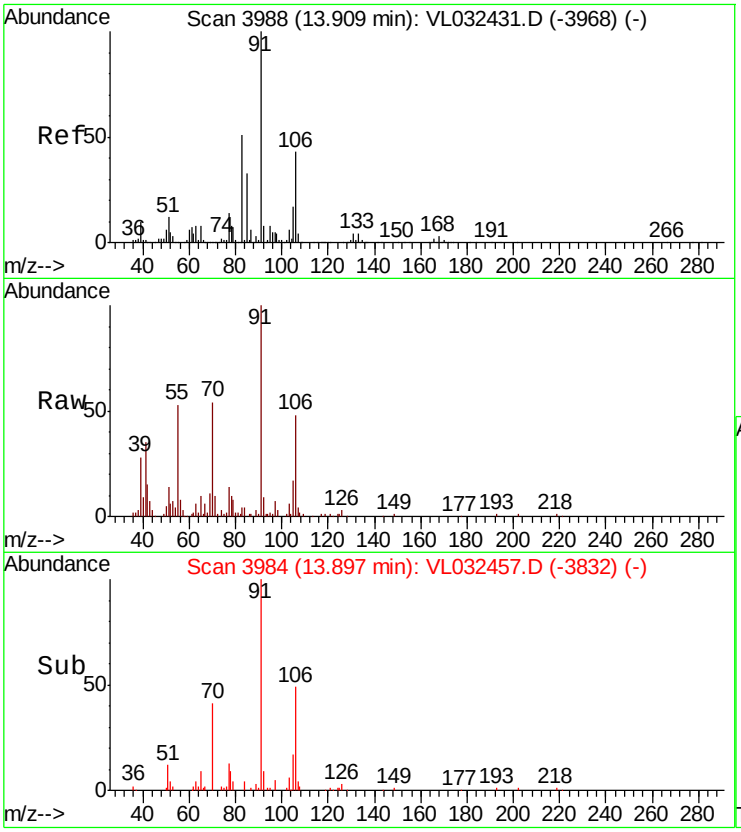


#59
m/p-Xylene
Concen: 0.279 ppbv
RT: 13.19 min Scan# 3765
Delta R.T. -0.02 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion: 91 Resp: 98022

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#



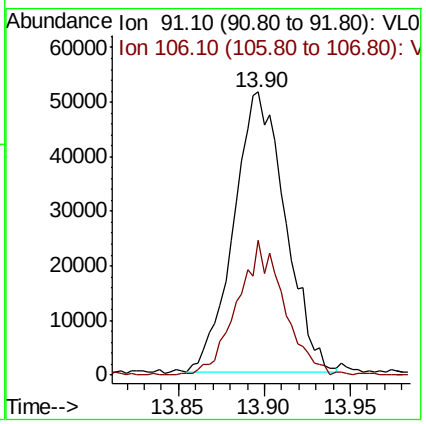


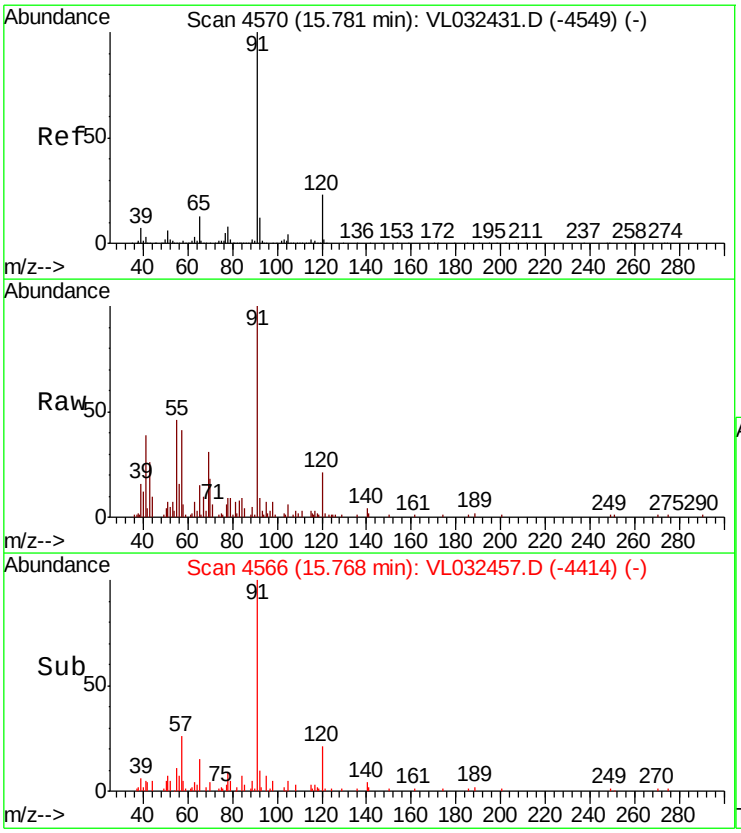
#60
o-Xylene
Concen: 0.310 ppbv
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion: 91 Resp: 107219

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.7

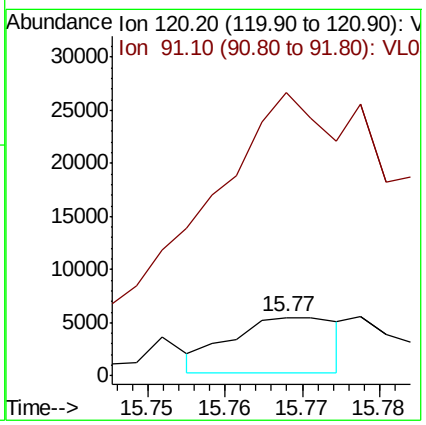


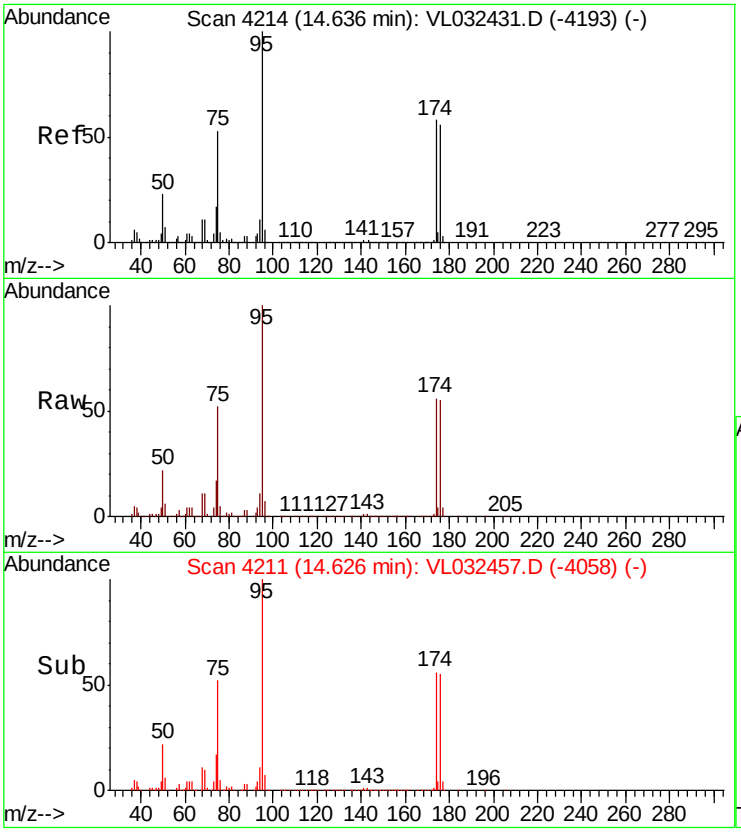


#64
n-propylbenzene
Concen: 0.040 ppbv
RT: 15.77 min Scan# 4566
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion:120 Resp: 5054

Ion	Ratio	Lower	Upper
120	100		
91	1233.4	381.8	572.6#



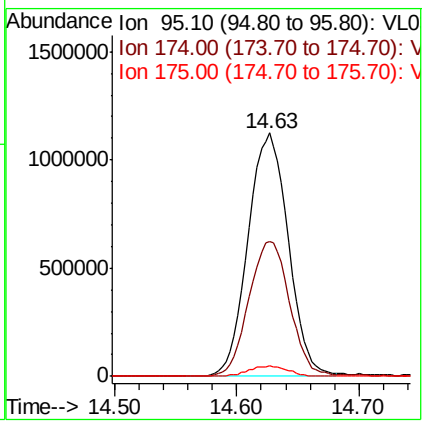


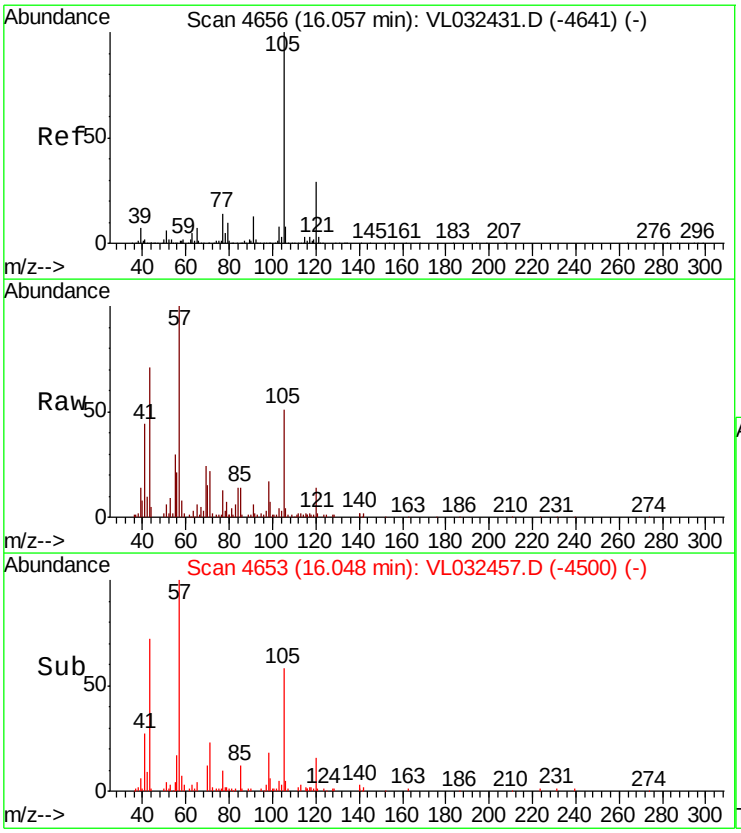
#68
1-Bromo-4-Fluorobenzene
Concen: 10.483 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument : MSVOA_L
ClientSampleId : VP-08DL

Tgt Ion: 95 Resp: 2566497

Ion	Ratio	Lower	Upper
95	100		
174	57.2	46.3	69.5
175	4.2	3.4	5.0

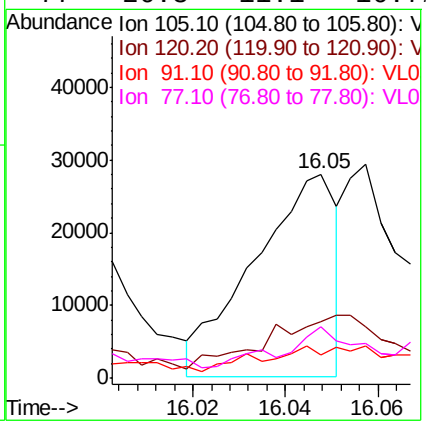


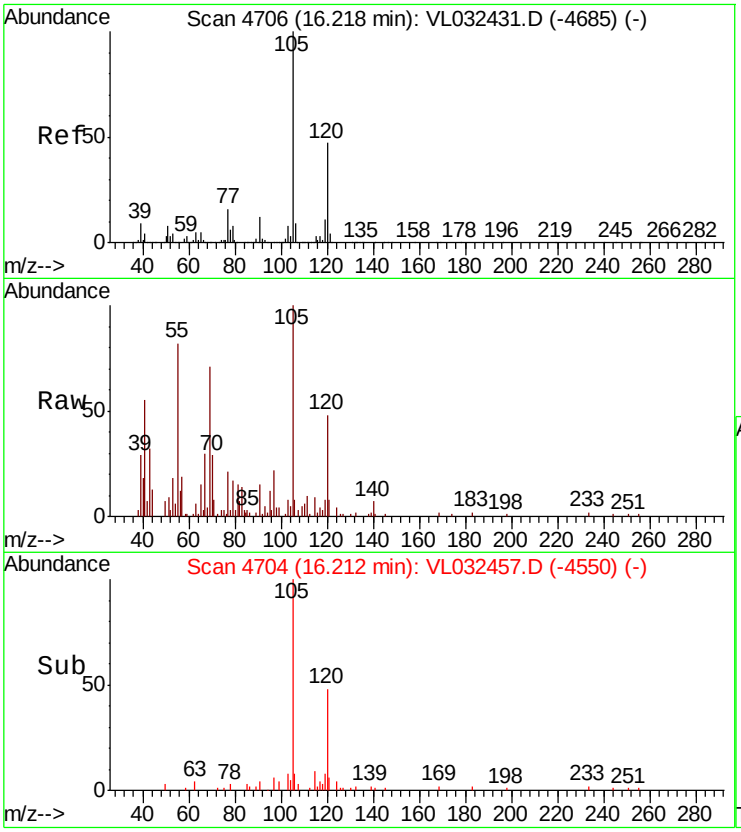


#72
4-Ethyltoluene
Concen: 0.092 ppbv
RT: 16.05 min Scan# 4653
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion:105 Resp: 34640

Ion	Ratio	Lower	Upper
105	100		
120	54.1	23.5	35.3#
91	30.5	10.2	15.2#
77	26.3	11.1	16.7#



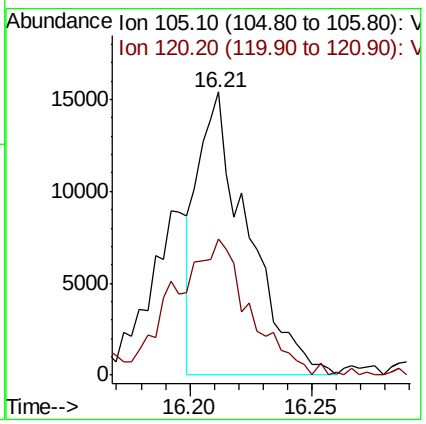


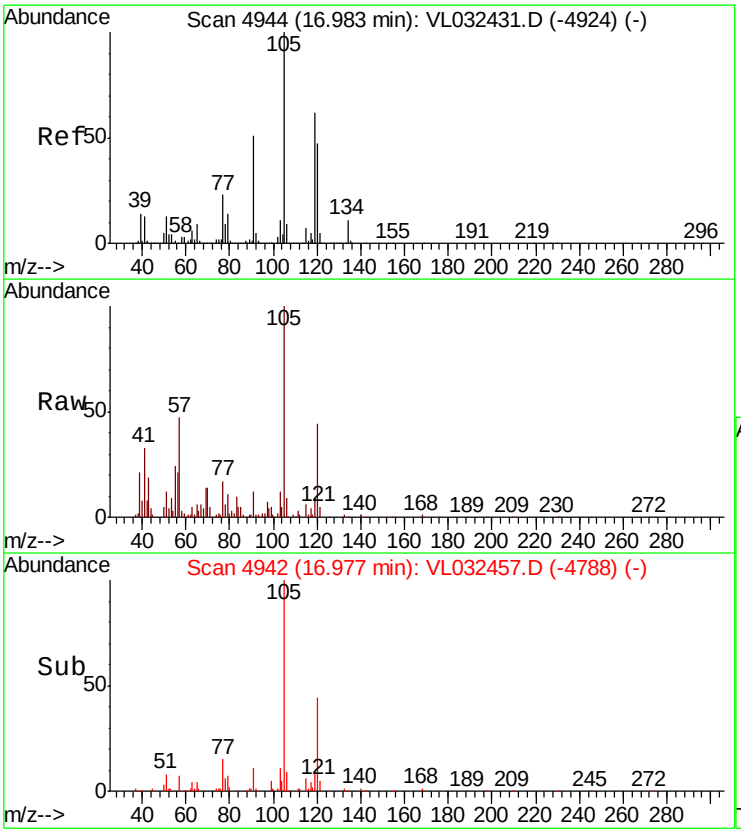
#73
1,3,5-Trimethylbenzene
Concen: 0.058 ppbv
RT: 16.21 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion:105 Resp: 21934

Ion	Ratio	Lower	Upper
105	100		
120	47.5	37.9	56.9

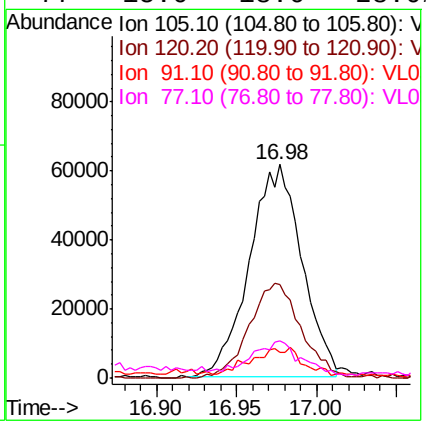


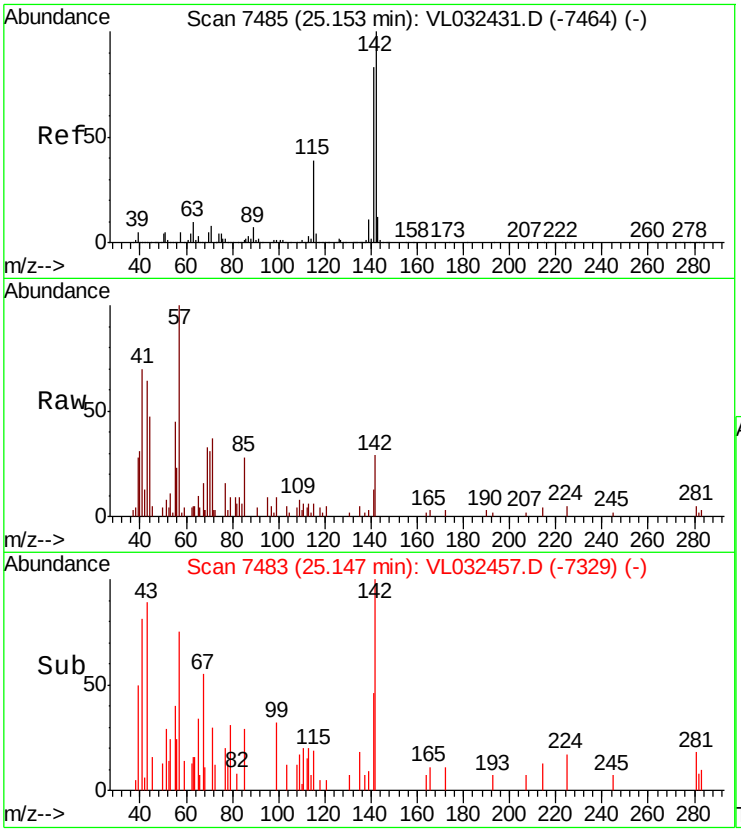


#74
1,2,4-Trimethylbenzene
Concen: 0.337 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Tgt Ion:105 Resp: 139377

Ion	Ratio	Lower	Upper
105	100		
120	43.8	37.8	56.8
91	10.4	41.4	62.0#
77	15.0	18.6	28.0#





#80
Naphthalene,2-methyl-
Concen: 0.056 ppbv
RT: 25.15 min Scan# 7483
Delta R.T. -0.01 min
Lab File: VL032457.D
Acq: 5 Sep 2018 14:42

Instrument :
MSVOA_L
ClientSampleId :
VP-08DL

Tgt Ion:142 Resp: 5023

Ion	Ratio	Lower	Upper
142	100		
141	101.7	67.0	100.6#
115	49.1	31.3	46.9#