Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032961.D
Acq On : 11 Dec 2018 19:20
Operator : SY/AP
Sample : J6264-12DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:51:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1342358	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3540183	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3427362	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2738950	10.82	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.02	51	5145	0.051	ppbv		92
4) Chloromethane	3.17	50	11161	0.189	ppbv		93
9) Propene	3.04	41	17830	0.444	ppbv		91
10) Heptane	8.26	43	27331	0.181	ppbv	#	32
11) Trichlorofluoromethane	4.01	101	40323	0.239	ppbv		92
13) Ethanol	3.66	45	97374	7.035	ppbv		95
15) Acetone	3.90	43	2389815	20.742	ppbv		98
16) 1,3-Butadiene	3.35	39	3336	0.073	ppbv	#	60
17) tert-Butyl alcohol	4.38	59	21726	0.741	ppbv	#	68
19) Isopropyl Alcohol	4.04	45	62916	0.870	ppbv	#	95
20) Methylene Chloride	4.42	84	39110	0.695	ppbv		89
21) Allyl Chloride	4.44	41	7977	0.085	ppbv	#	1
23) Vinyl Acetate	5.14	43	21564	0.111	ppbv	#	1
25) Ethyl Acetate	5.78	43	73134	0.269	ppbv	#	84
26) Hexane	5.78	57	103029	0.820	ppbv	#	44
27) Carbon Disulfide	4.62	76	43900	0.279	ppbv	#	83
30) Cyclohexane	7.25	84	6223	0.060	ppbv	#	1
34) 2-Butanone	5.34	43	190354	1.234	ppbv		98
36) Benzene	7.01	78	145317	0.558	ppbv		94
39) 1,2-Dichloropropane	7.29	63	845810	8.565	ppbv	#	21
40) 1,4-Dioxane	8.00	88	26848	0.738	ppbv	#	88
44) 2,2,4-Trimethylpentane	7.99	57	98061	0.222	ppbv	#	84
50) 4-Methyl-2-Pentanone	8.90	43	9222	0.037	ppbv	#	79
53) Toluene	9.95	91	320442	1.160	ppbv		97
58) Ethyl Benzene	12.87	91	23783	0.065	ppbv		89
59) m/p-Xylene	13.13	91	56961	0.172	ppbv	#	100
60) o-Xylene	13.86	91	27121	0.081	ppbv		92
61) Styrene	13.69	104	7866	0.035	ppbv	#	14
62) Isopropylbenzene	14.83	105	1399955	2.997	ppbv		100

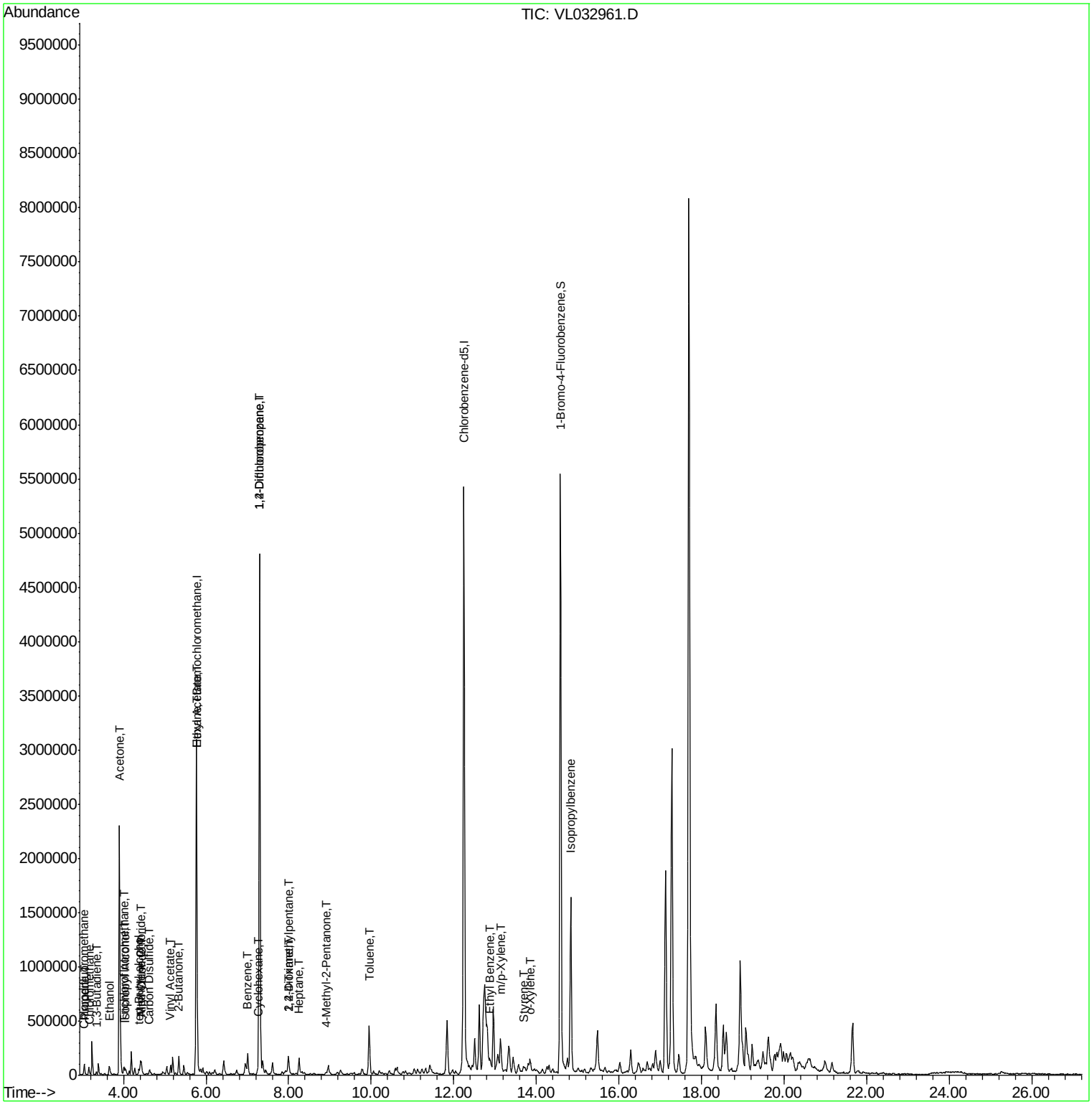
(#) = qualifier out of range (m) = manual integration (+) = signals summed

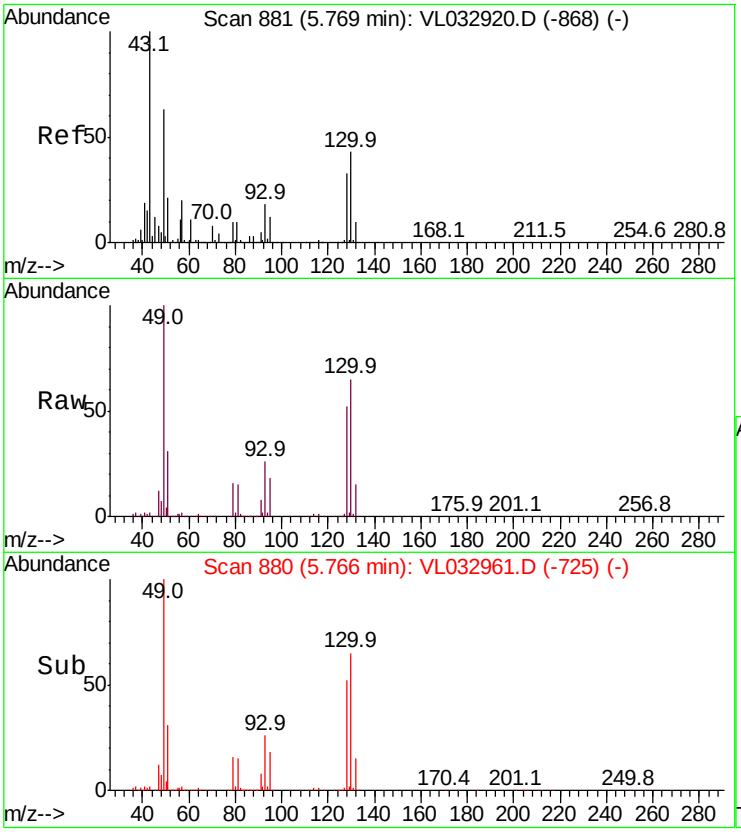
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032961.D
Acq On : 11 Dec 2018 19:20
Operator : SY/AP
Sample : J6264-12DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:51:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



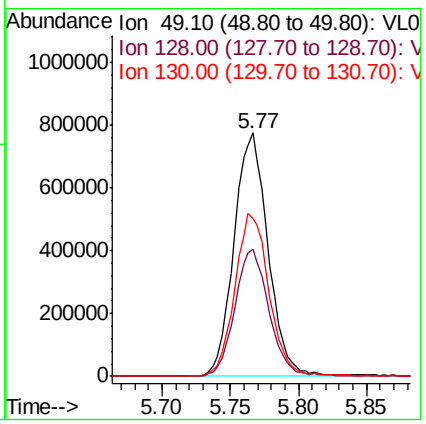


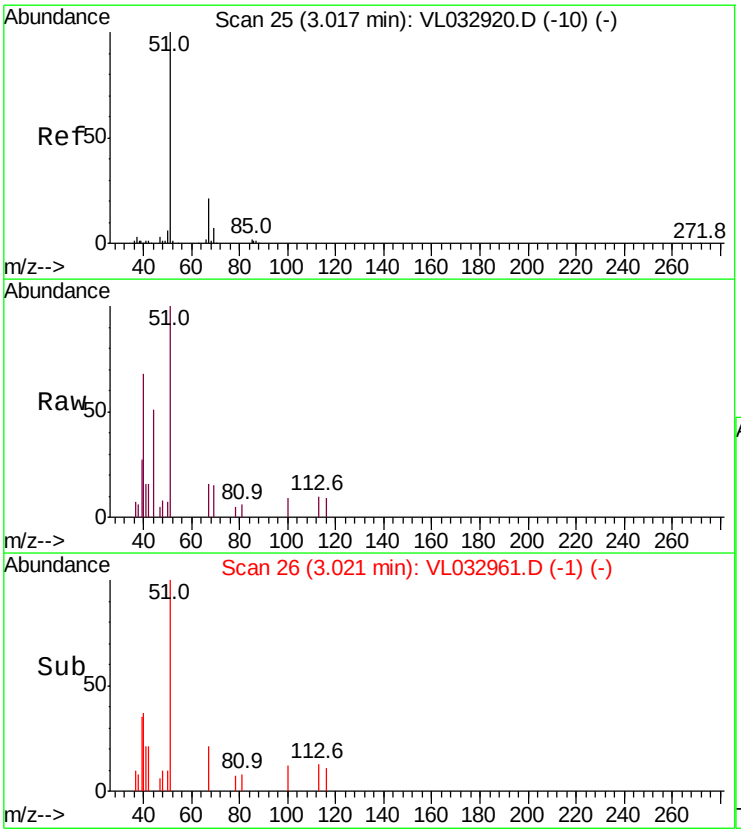
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1342358

Ion	Ratio	Lower	Upper
49	100		
128	52.3	26.3	78.8
130	67.8	33.9	101.7

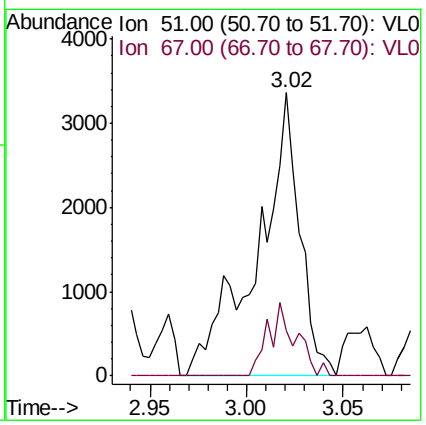


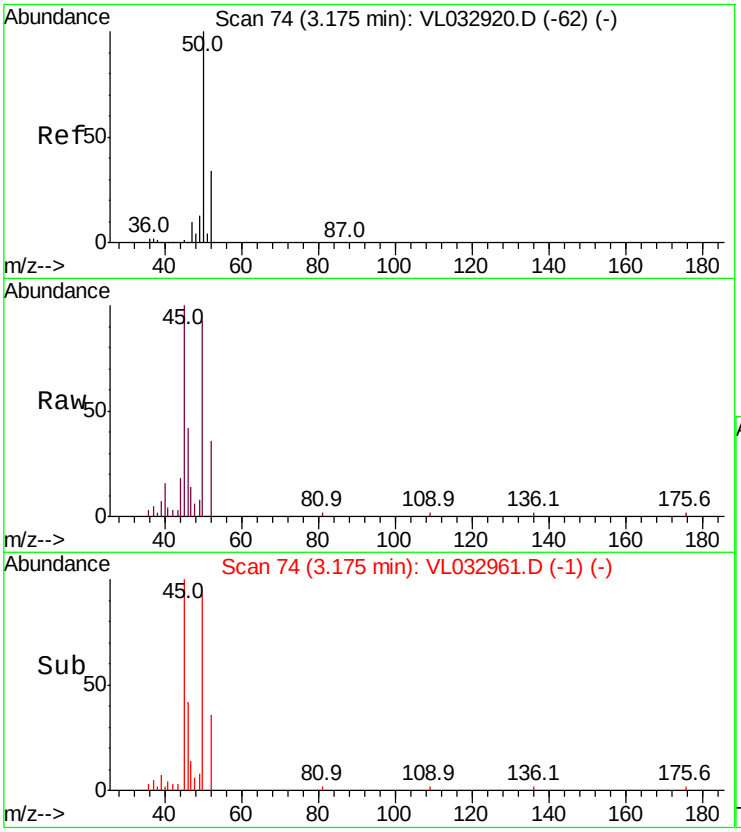


#3
Chlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 51 Resp: 5145

Ion	Ratio	Lower	Upper
51	100		
67	17.1	16.8	25.2



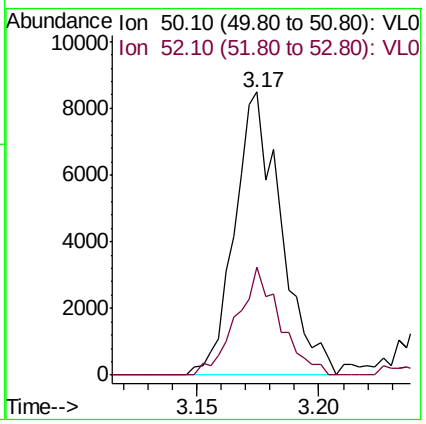


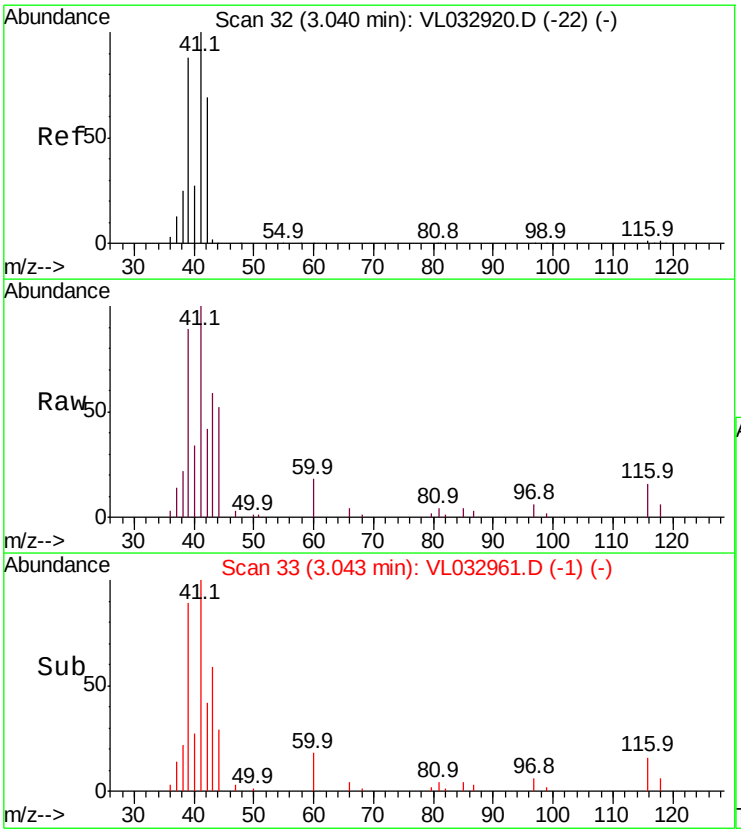
#4
Chloromethane
Concen: 0.189 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 11161

Ion	Ratio	Lower	Upper
50	100		
52	38.4	27.3	40.9

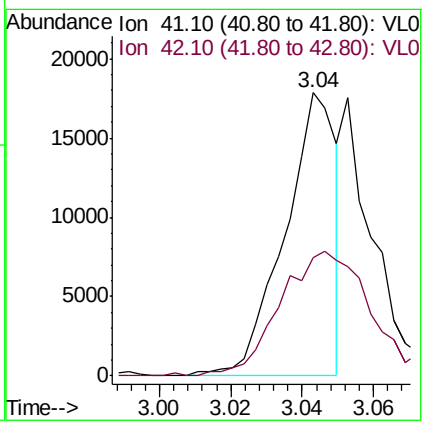


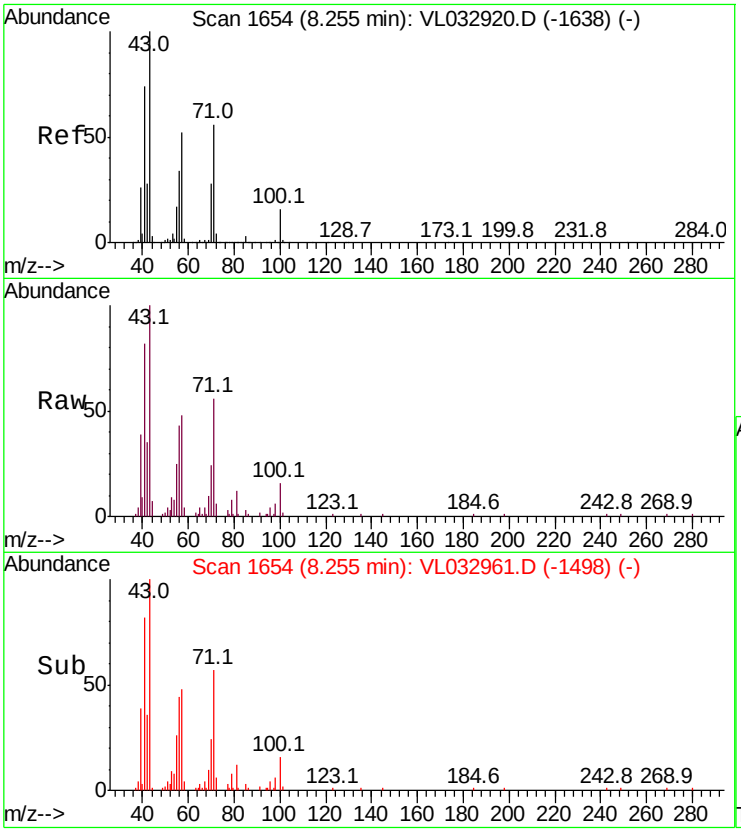


#9
Propene
Concen: 0.444 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 41 Resp: 17830

Ion	Ratio	Lower	Upper
41	100		
42	77.6	56.2	84.2



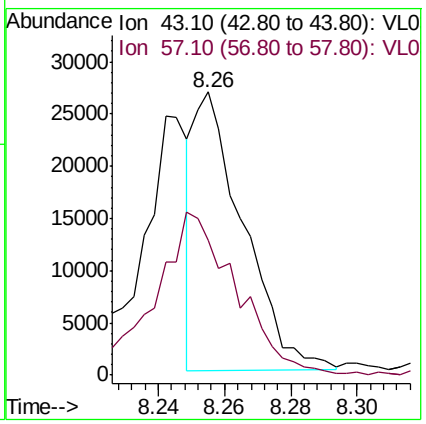


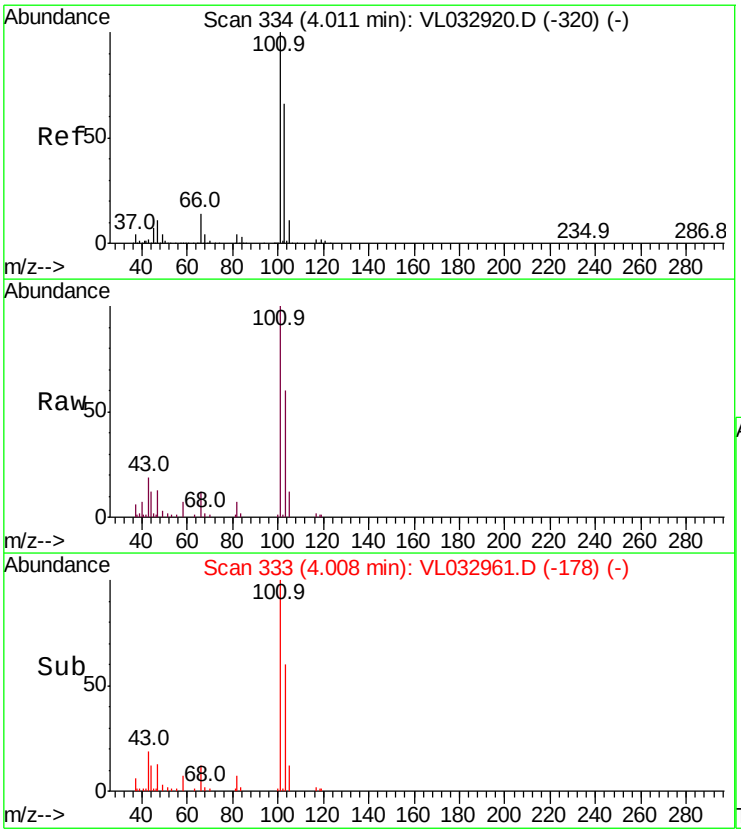
#10
Heptane
Concen: 0.181 ppbv
RT: 8.26 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 27331

Ion	Ratio	Lower	Upper
43	100		
57	100.4	41.8	62.6#

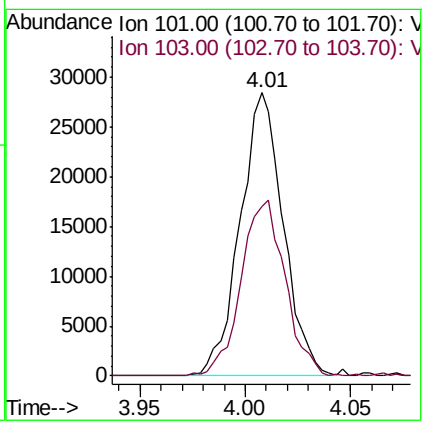


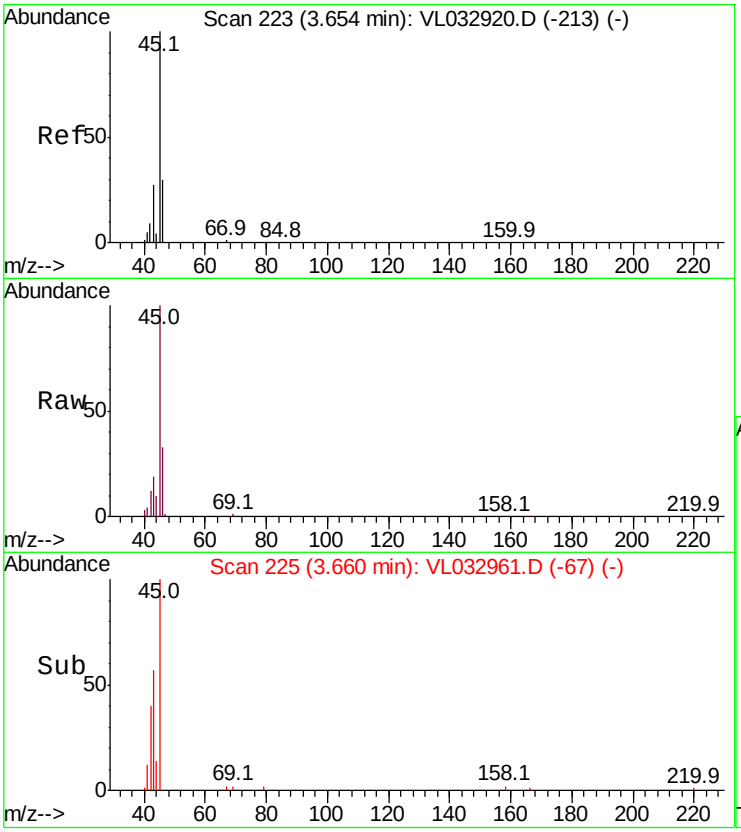


#11
Trichlorofluoromethane
Concen: 0.239 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion:101 Resp: 40323

Ion	Ratio	Lower	Upper
101	100		
103	59.7	52.7	79.1

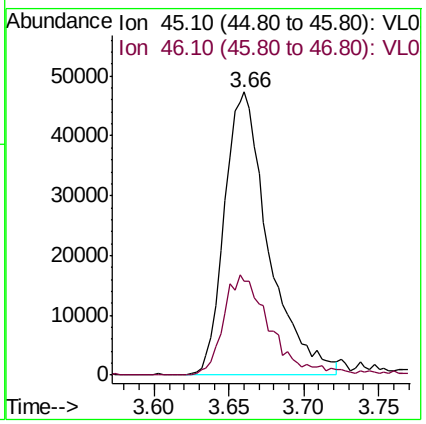




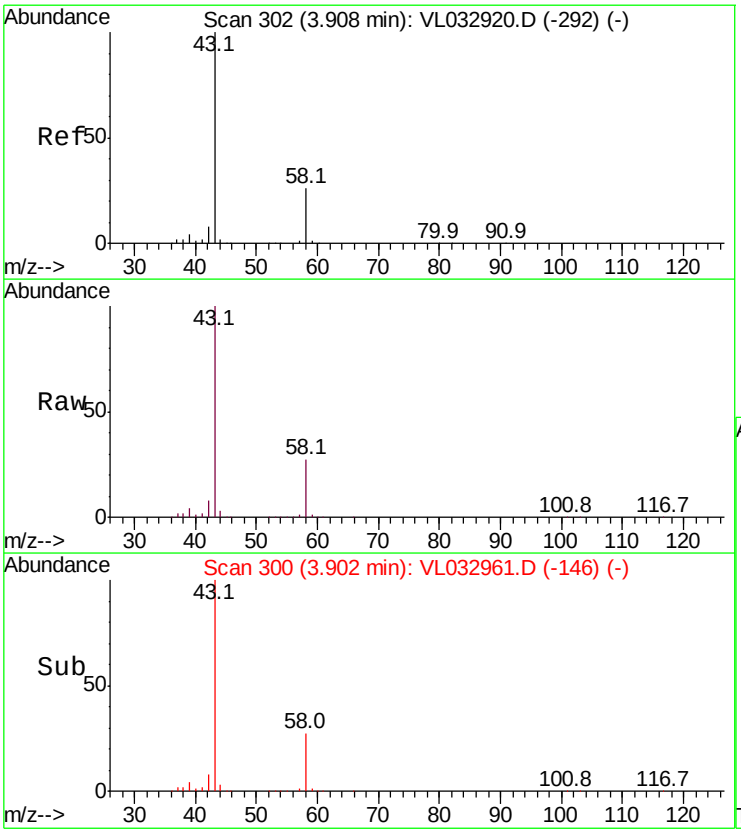
#13
Ethanol
Concen: 7.035 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 45 Resp: 97374

Ion	Ratio	Lower	Upper
45	100		
46	37.6	13.8	55.4



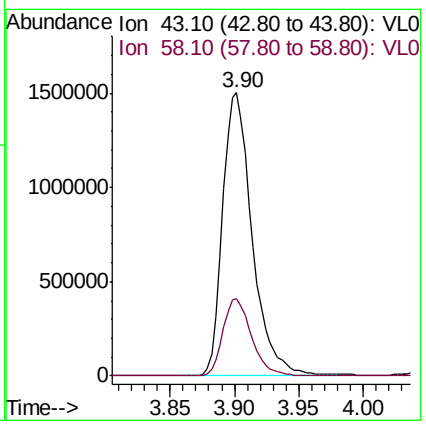
Instrument :
MSVOA_L
ClientSampleId :

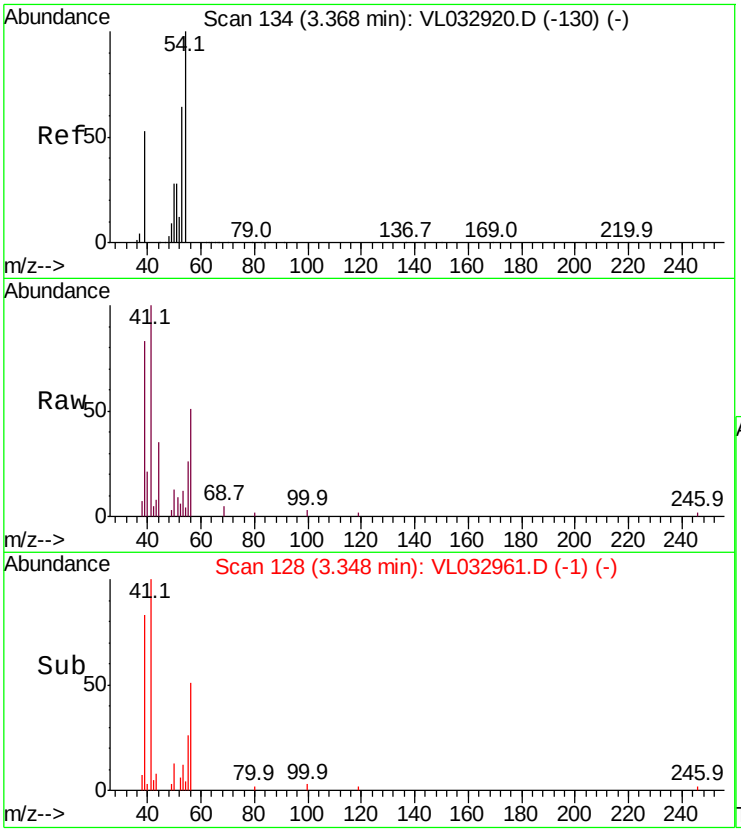


#15
Acetone
Concen: 20.742 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 43 Resp: 2389815

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.6	30.8

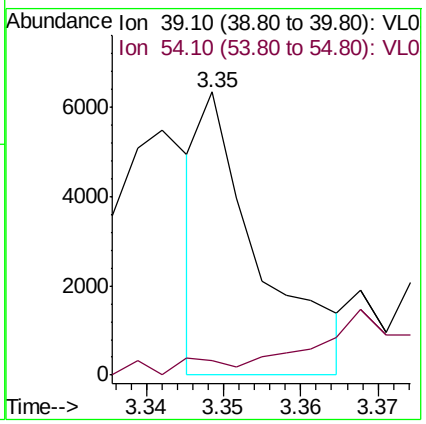




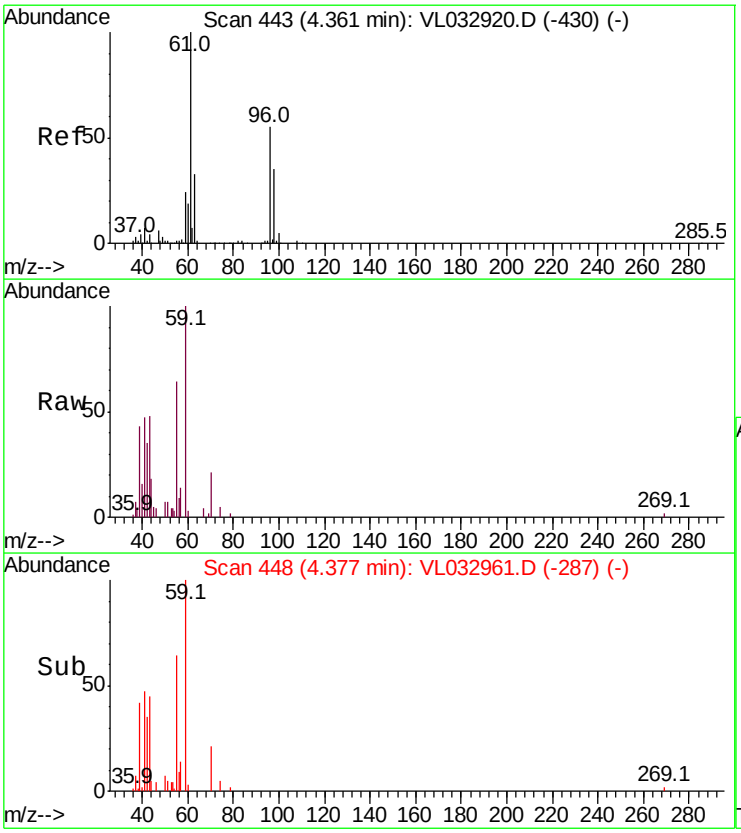
#16
1,3-Butadiene
Concen: 0.073 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 39 Resp: 3336

Ion	Ratio	Lower	Upper
39	100		
54	52.9	72.7	109.1#



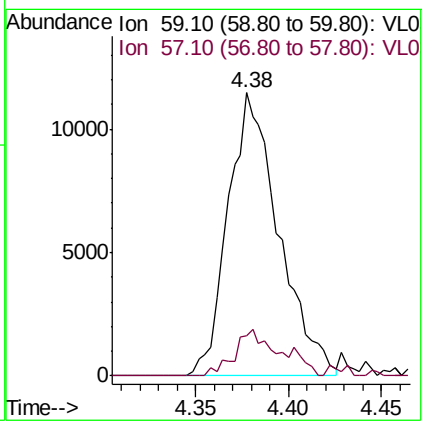
Instrument :
MSVOA_L
ClientSampleId :

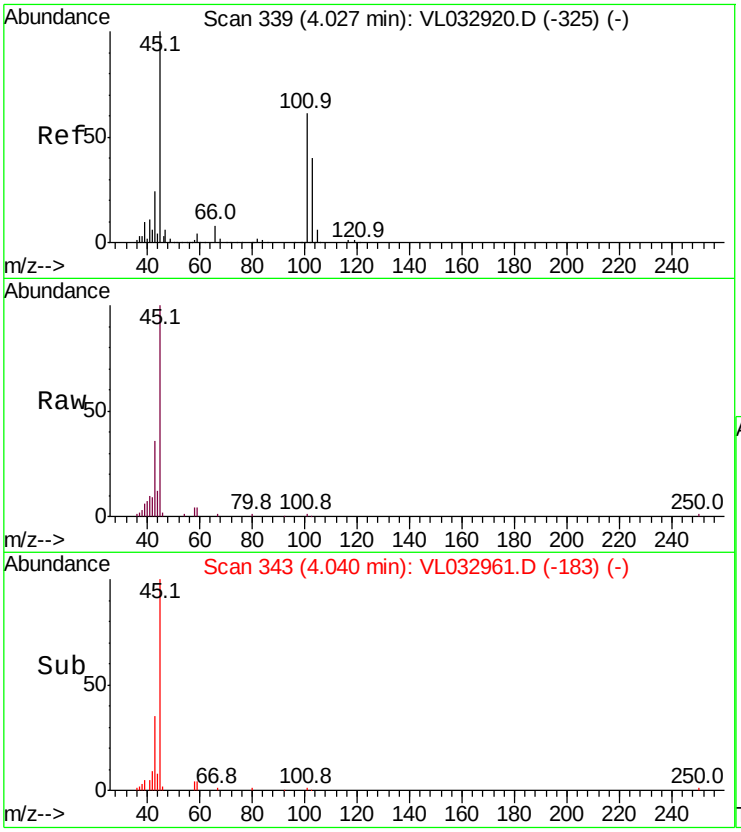


#17
tert-Butyl alcohol
Concen: 0.741 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 59 Resp: 21726

Ion	Ratio	Lower	Upper
59	100		
57	16.4	0.6	1.0#



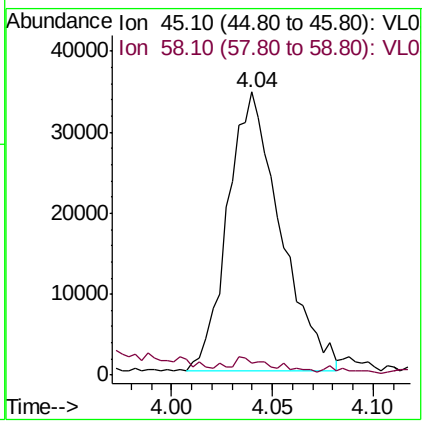


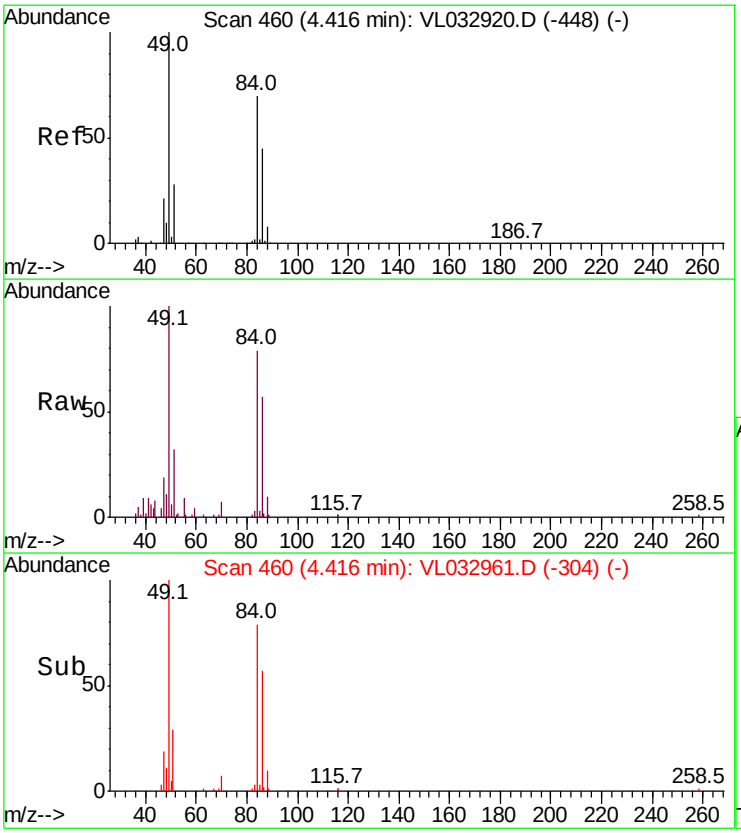
#19
Isopropyl Alcohol
Concen: 0.870 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 62916

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

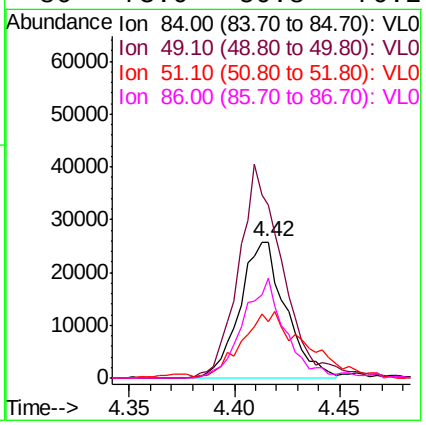


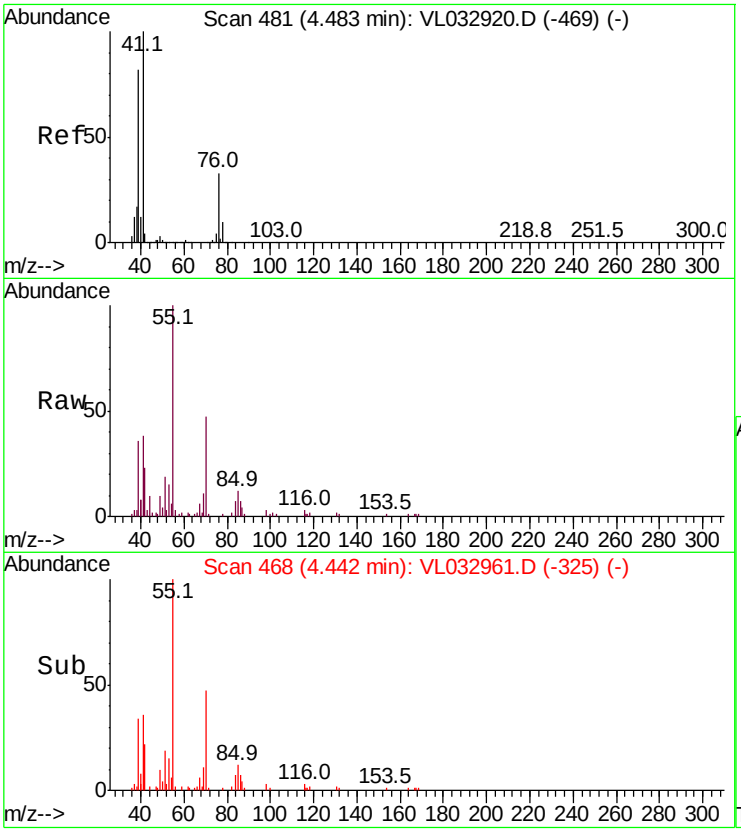


#20
Methylene Chloride
Concen: 0.695 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 84 Resp: 39110

Ion	Ratio	Lower	Upper
84	100		
49	127.0	113.8	170.8
51	37.8	31.8	47.8
86	73.0	50.8	76.2



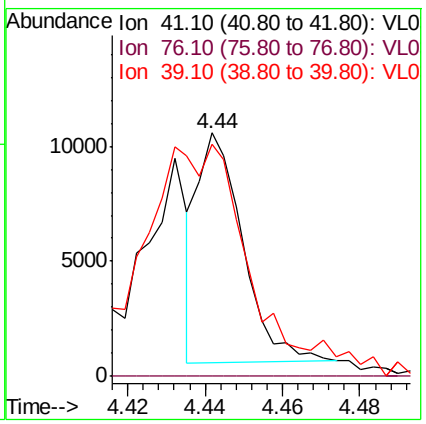


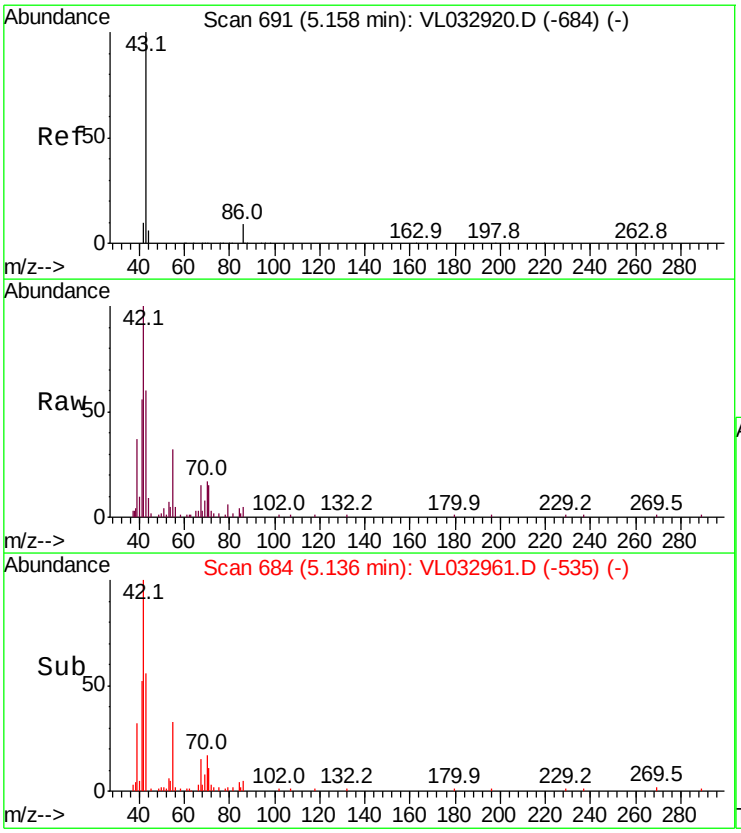
#21
Allyl Chloride
Concen: 0.085 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.04 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 7977

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	233.8	65.2	97.8#

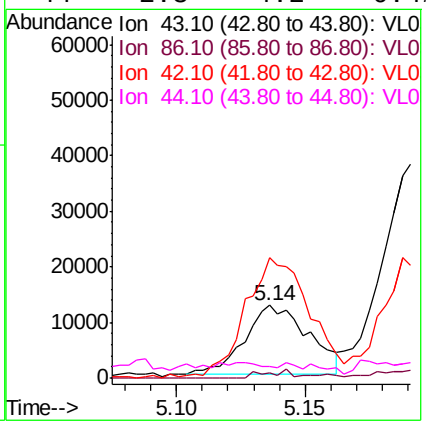


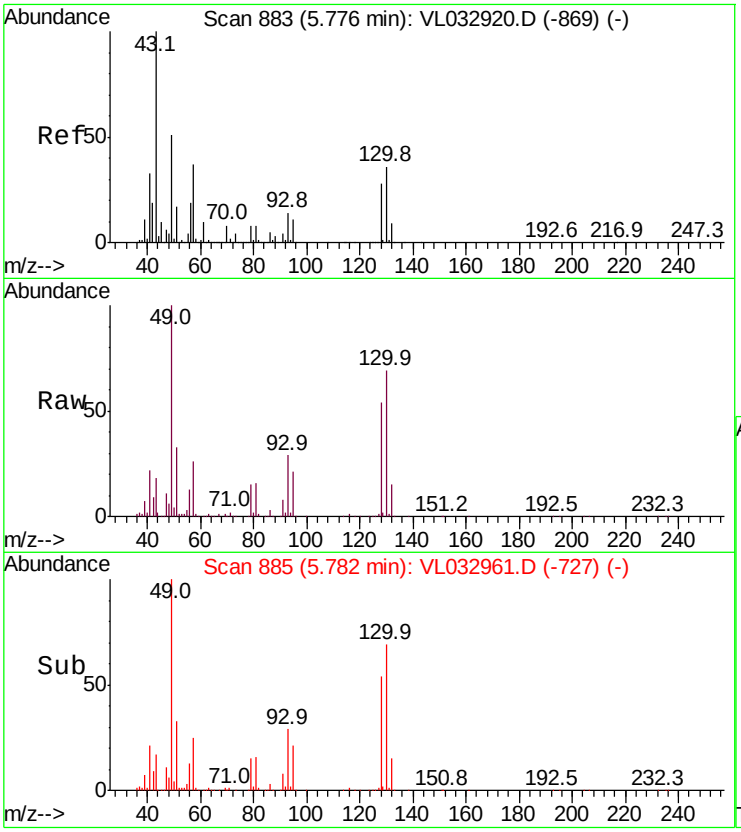


#23
Vinyl Acetate
Concen: 0.111 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 43 Resp: 21564

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	170.7	8.3	12.5#
44	2.3	4.2	6.4#



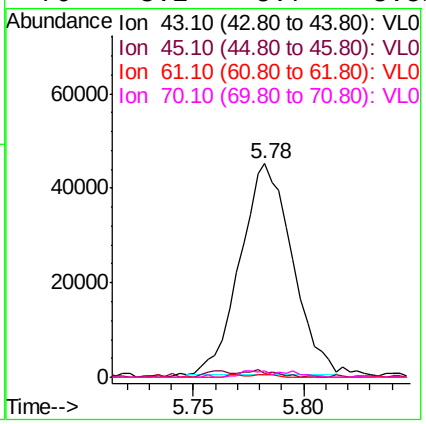


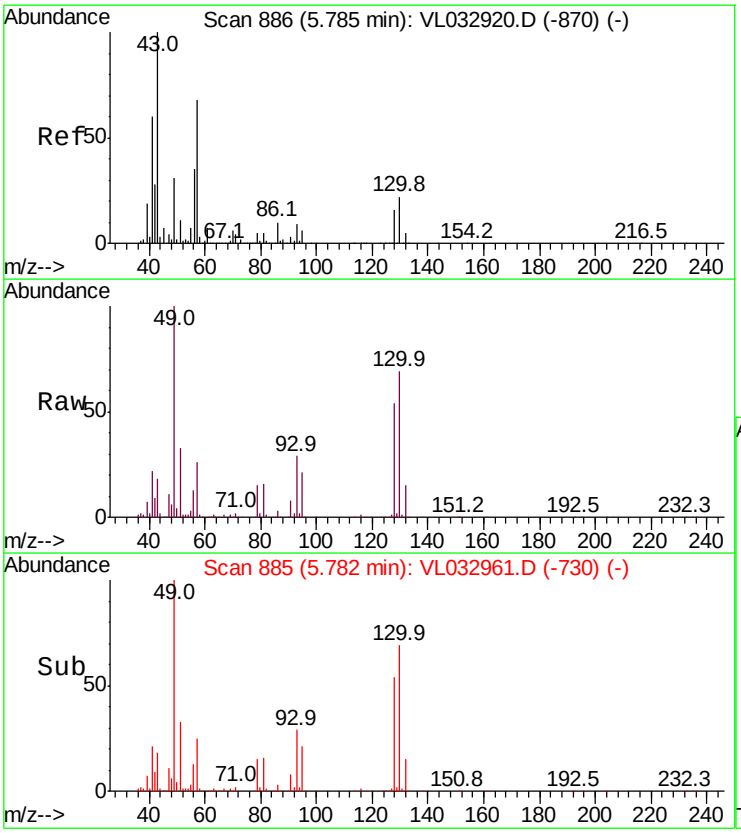
#25
Ethyl Acetate
Concen: 0.269 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 73134

Ion	Ratio	Lower	Upper
43	100		
45	4.7	7.8	11.6#
61	1.0	7.4	11.2#
70	3.2	5.7	8.5#

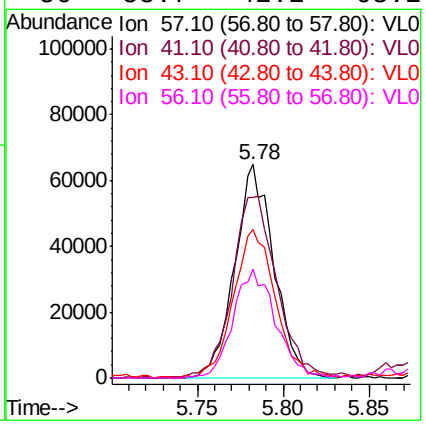


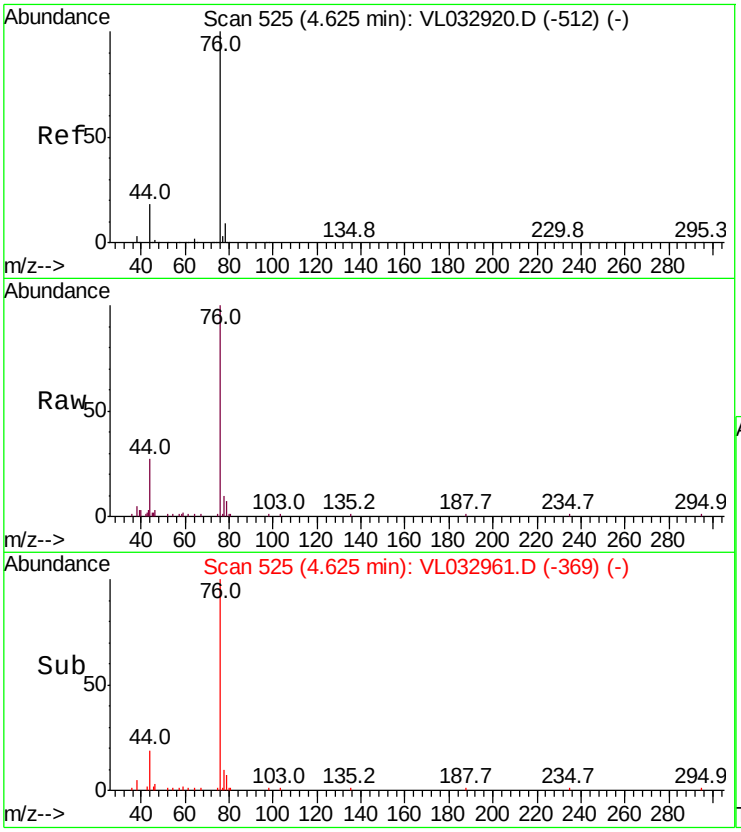


#26
Hexane
Concen: 0.820 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 57 Resp: 103029

Ion	Ratio	Lower	Upper
57	100		
41	97.8	72.2	108.2
43	74.5	171.9	257.9#
56	55.7	42.2	63.2



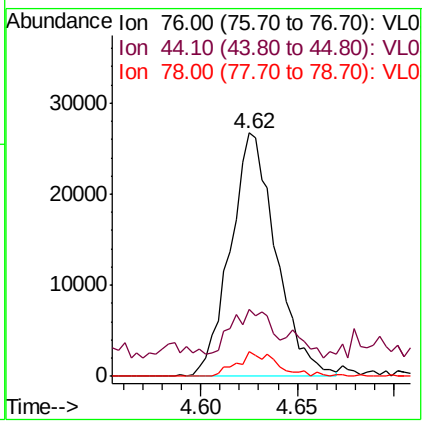


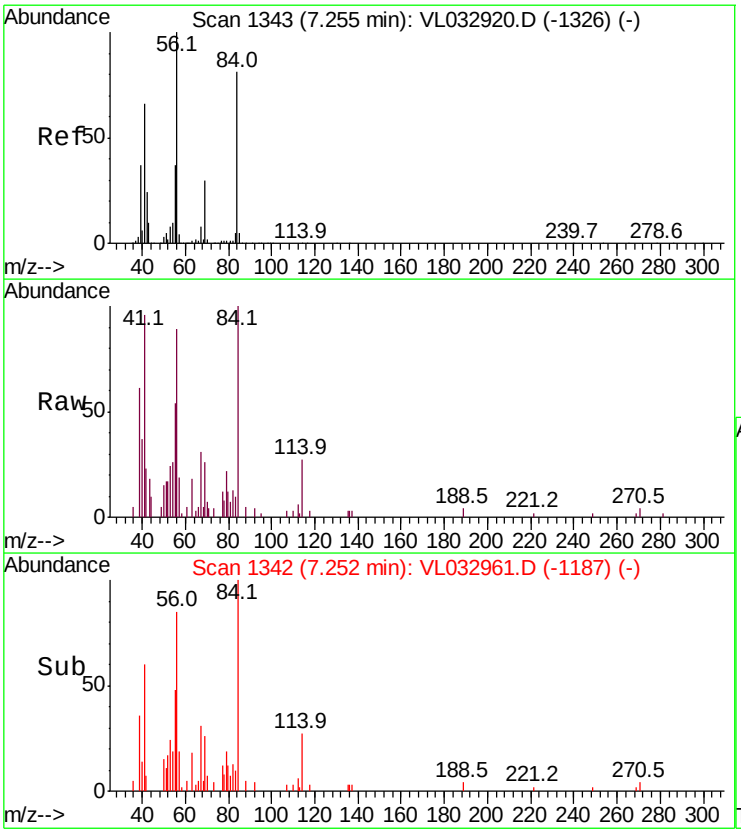
#27
Carbon Disulfide
Concen: 0.279 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 43900

Ion	Ratio	Lower	Upper
76	100		
44	29.5	14.7	22.1#
78	9.2	7.4	11.2

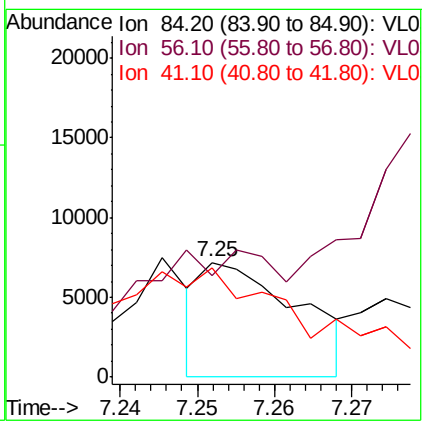


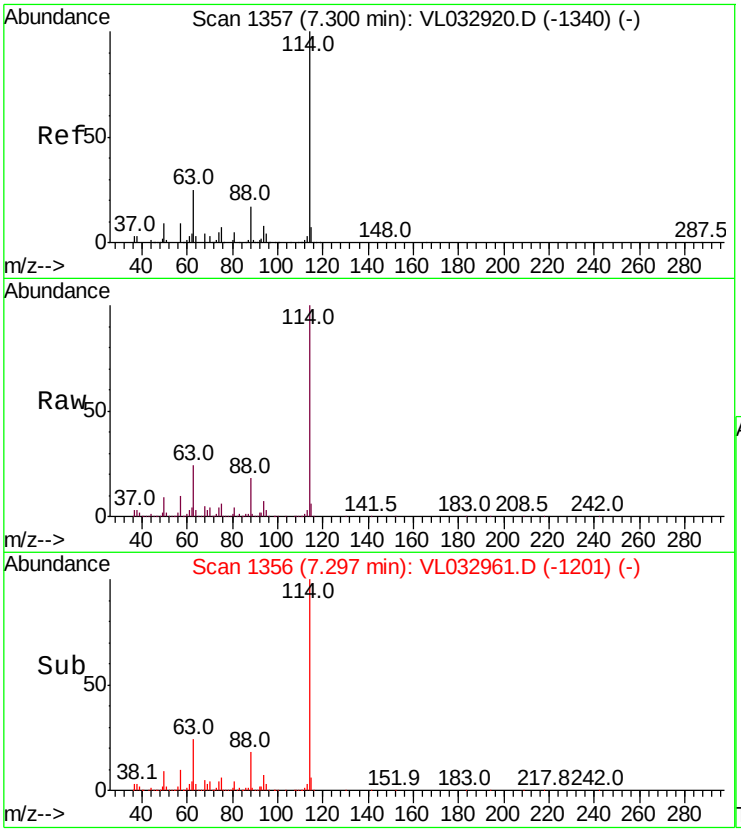


#30
Cyclohexane
Concen: 0.060 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 84 Resp: 6223

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	253.7	64.1	96.1#



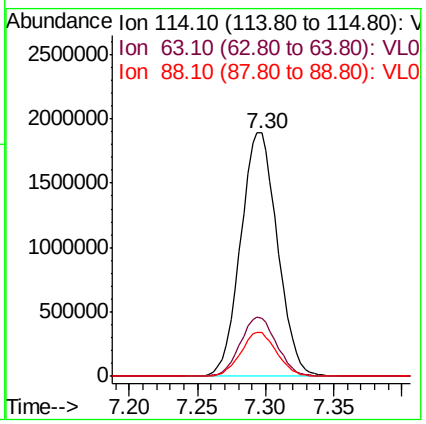


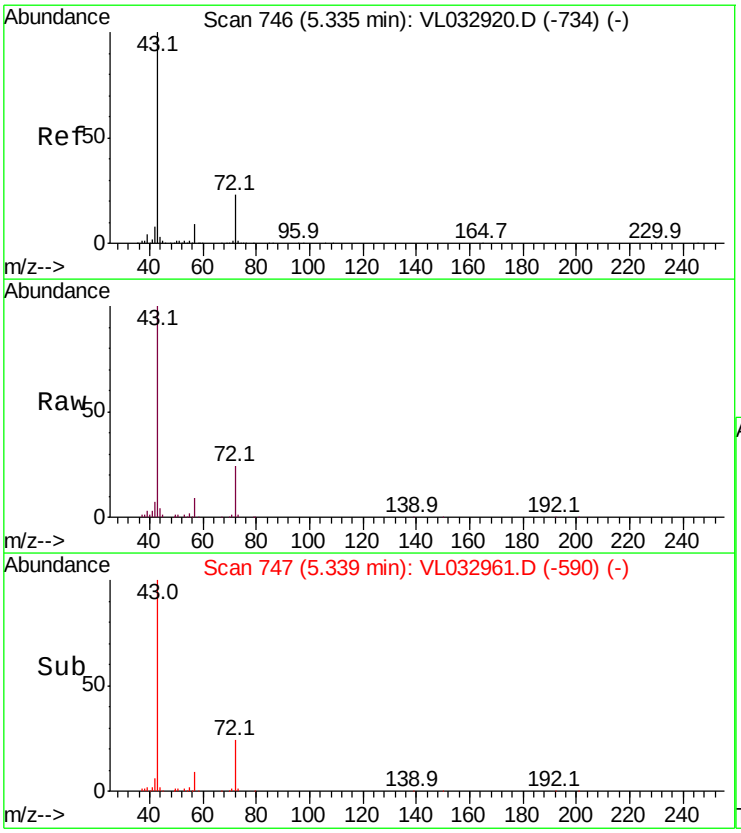
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3540183

Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.1	30.1
88	17.7	14.2	21.4

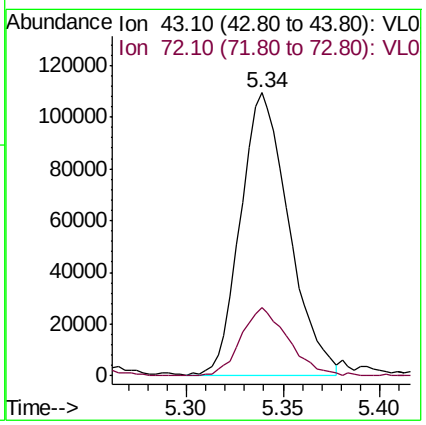


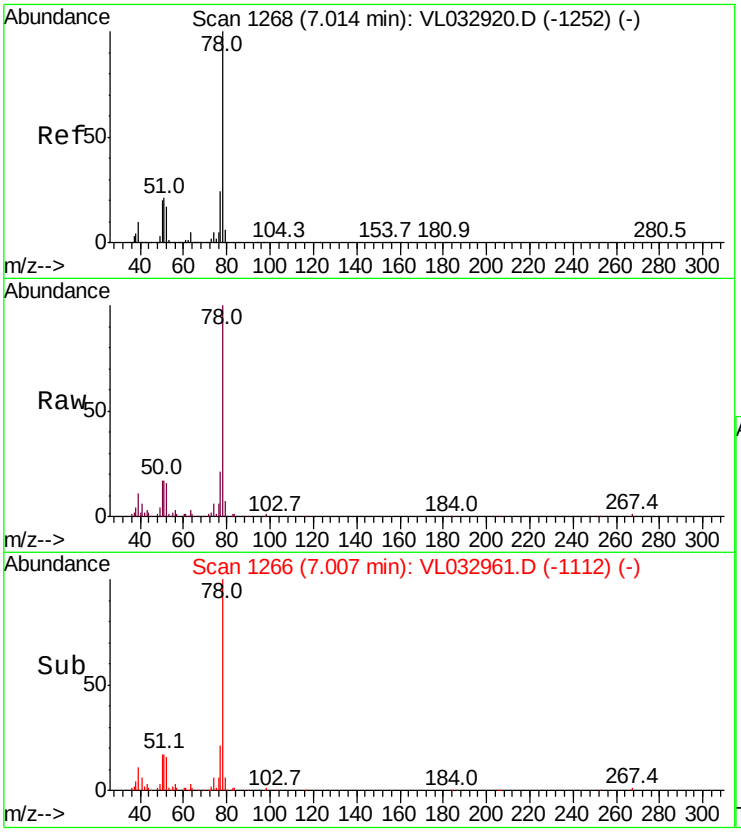


#34
2-Butanone
Concen: 1.234 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 43 Resp: 190354

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.8	28.2



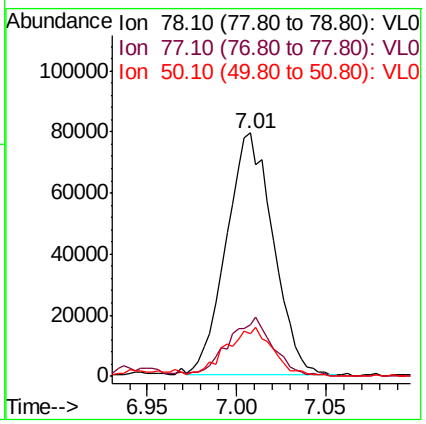


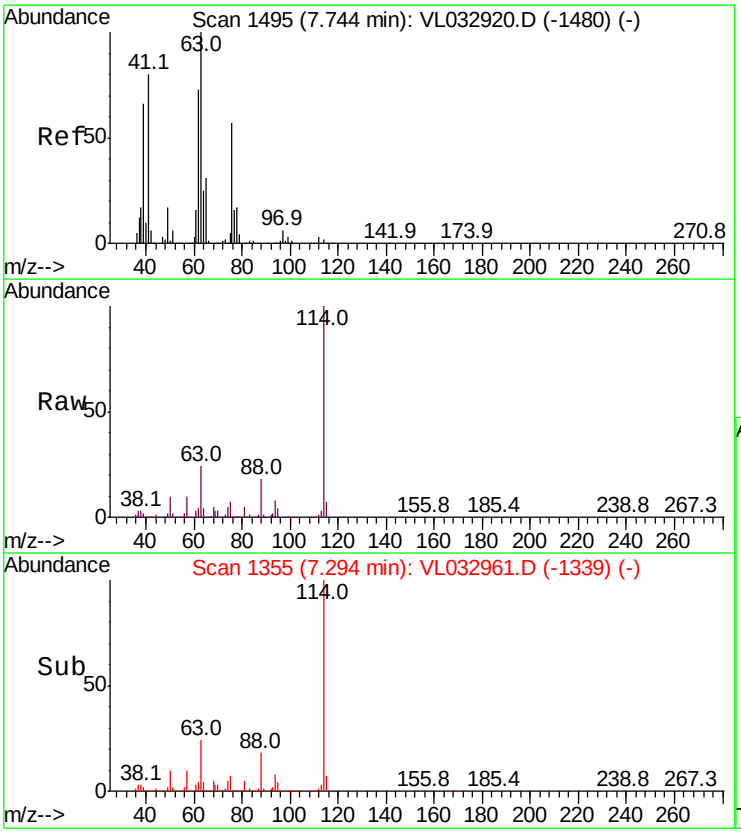
#36
Benzene
Concen: 0.558 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 145317

Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.9	28.3
50	17.4	16.1	24.1

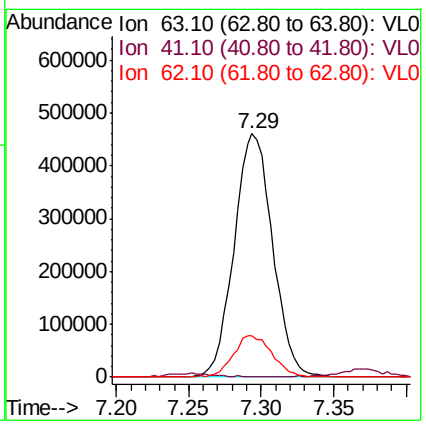


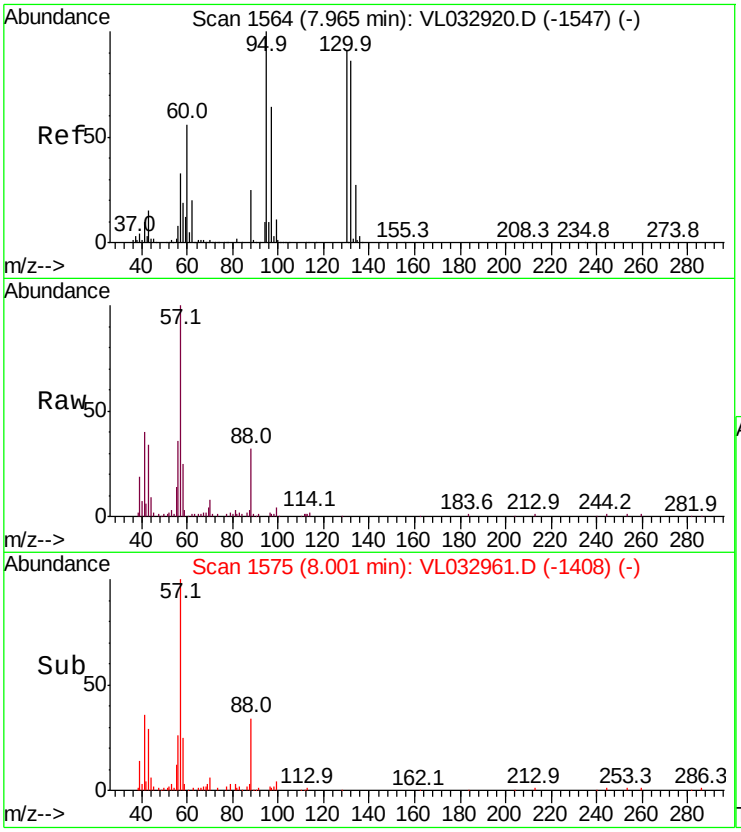


#39
1,2-Dichloropropane
Concen: 8.565 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 63 Resp: 845810

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	17.1	58.8	88.2#



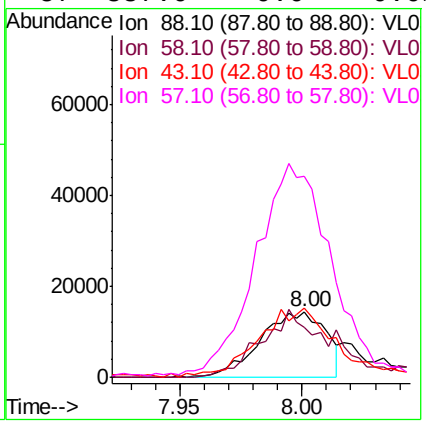


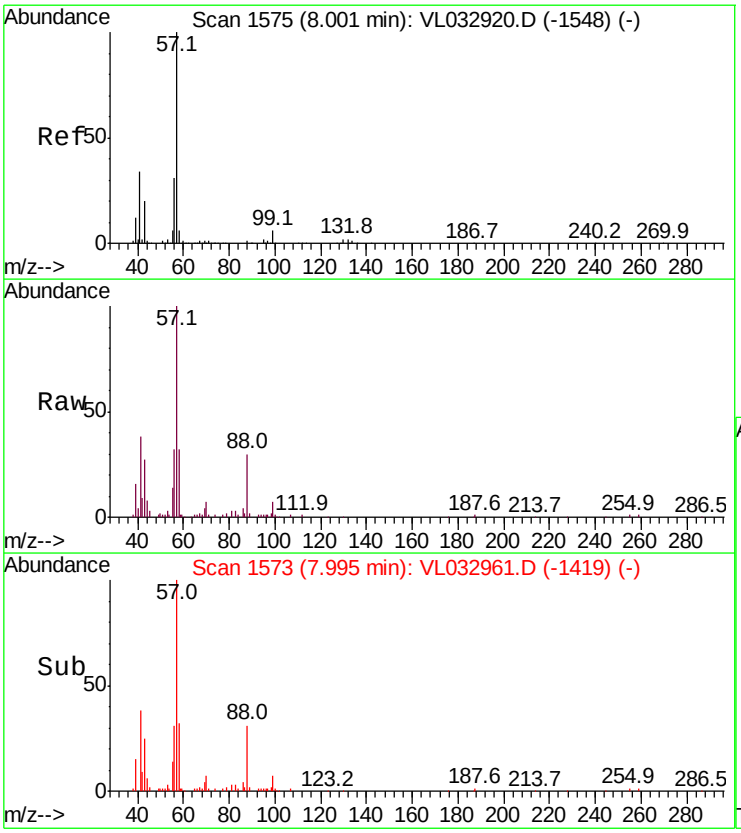
#40
1,4-Dioxane
Concen: 0.738 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 88 Resp: 26848

Ion	Ratio	Lower	Upper
88	100		
58	119.7	107.4	161.2
43	128.0	0.0	0.0#
57	387.0	0.0	0.0#

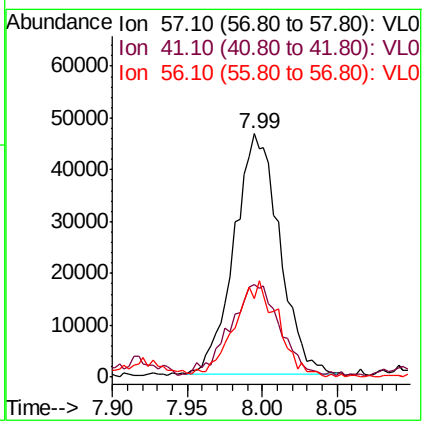


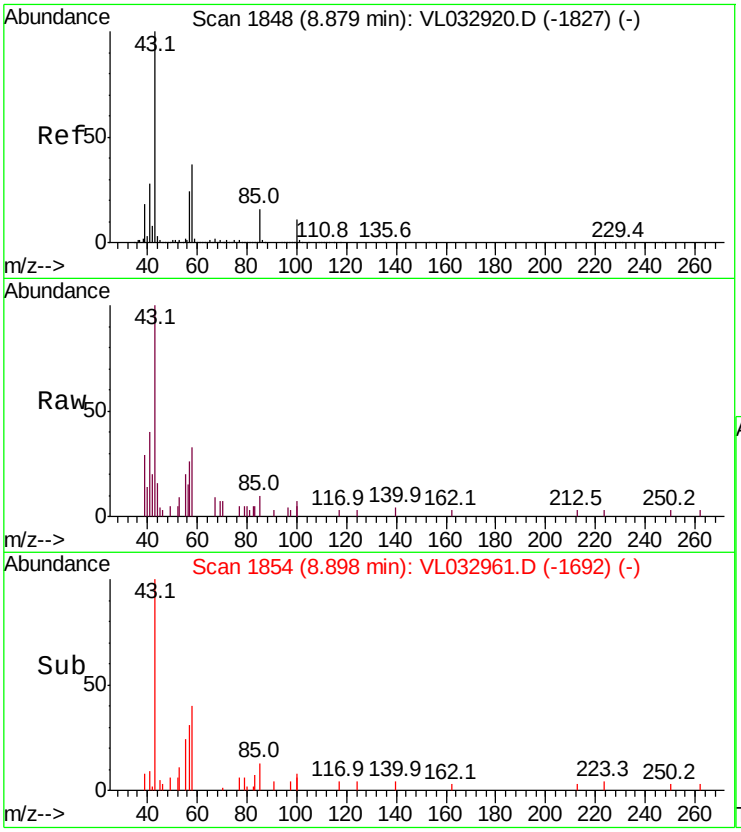


#44
2,2,4-Trimethylpentane
Concen: 0.222 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 57 Resp: 98061

Ion	Ratio	Lower	Upper
57	100		
41	43.4	27.0	40.4#
56	39.4	24.6	37.0#



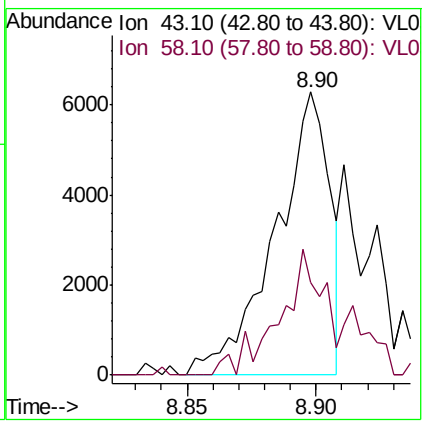


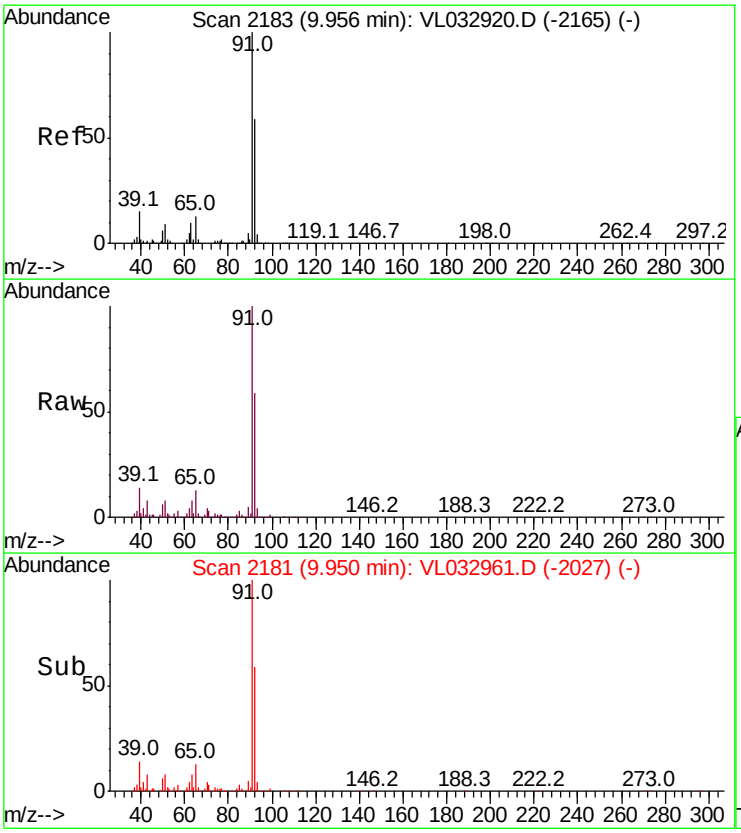
#50
4-Methyl-2-Pentanone
Concen: 0.037 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. 0.02 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9222

Ion	Ratio	Lower	Upper
43	100		
58	48.6	29.0	43.4#

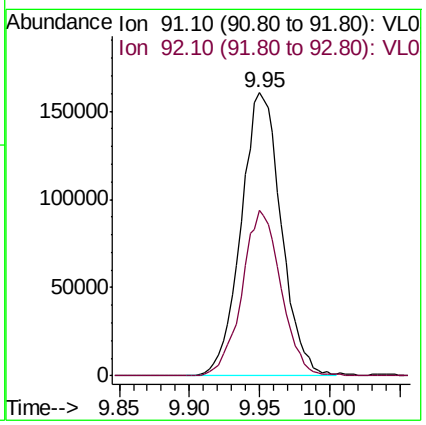


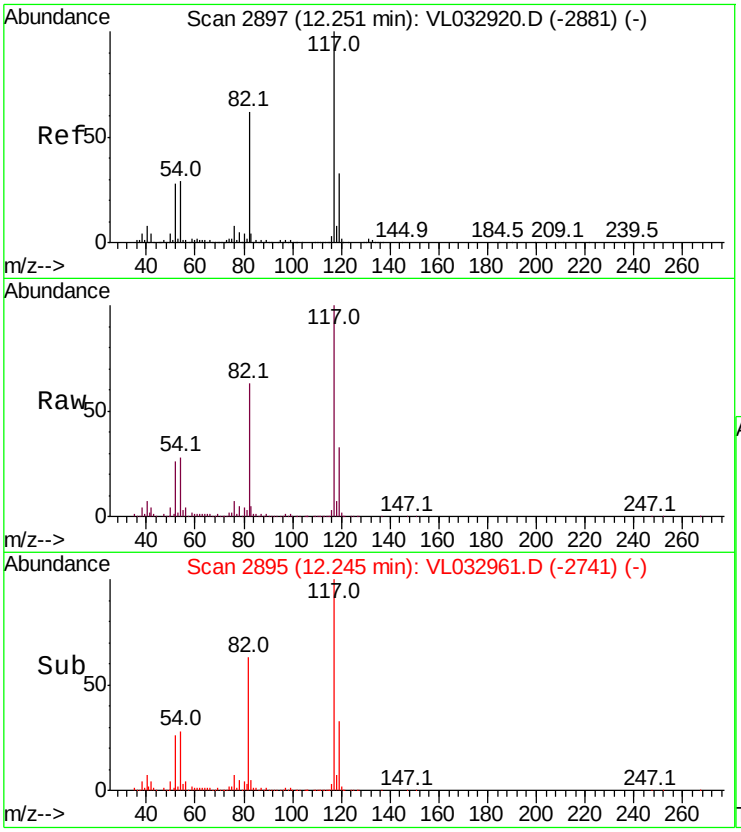


#53
Toluene
Concen: 1.160 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 91 Resp: 320442

Ion	Ratio	Lower	Upper
91	100		
92	56.6	47.4	71.0



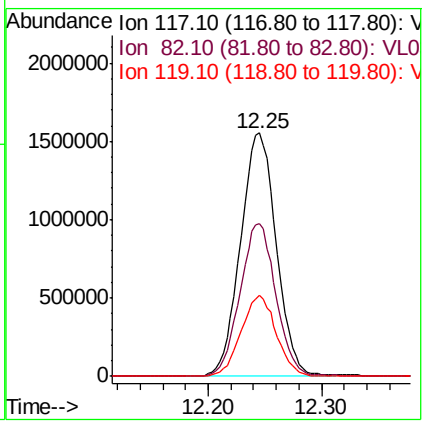


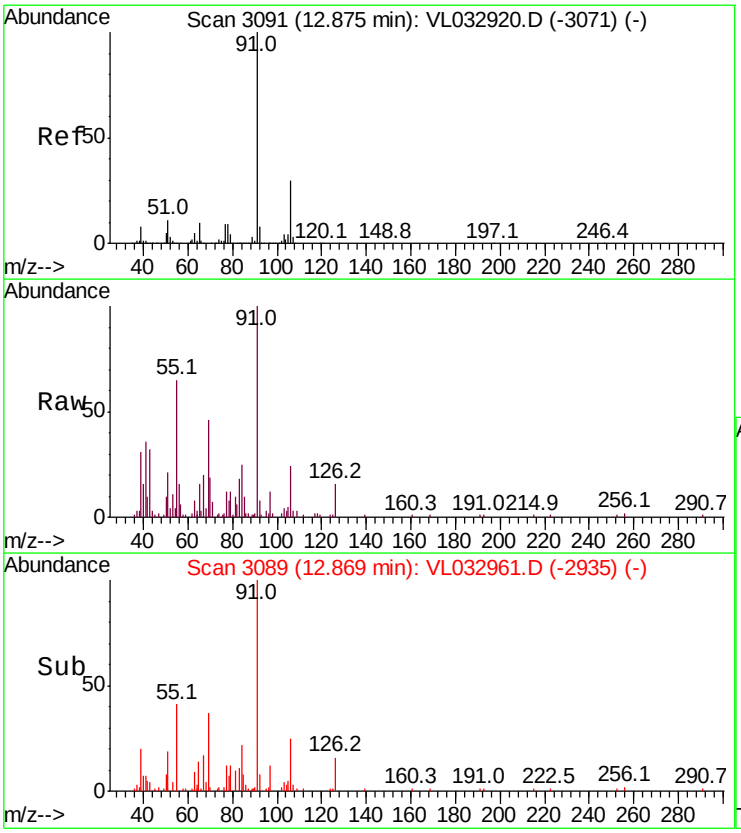
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3427362

Ion	Ratio	Lower	Upper
117	100		
82	62.9	47.8	71.8
119	32.5	43.1	64.7#

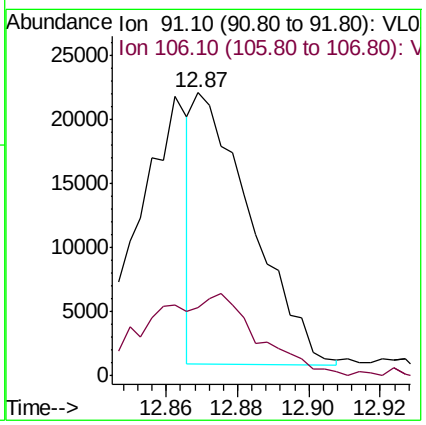


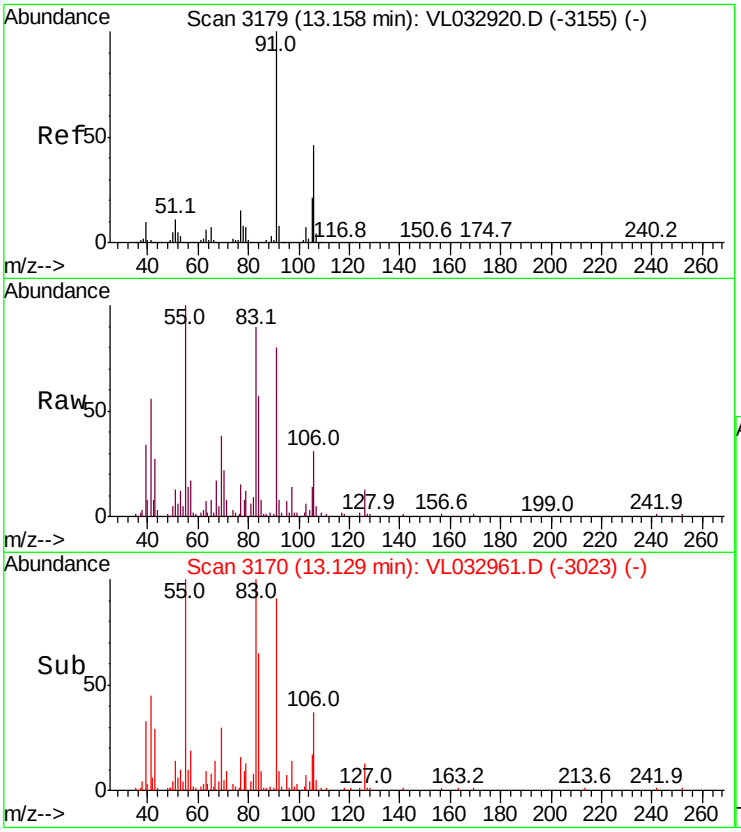


#58
Ethyl Benzene
Concen: 0.065 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 91 Resp: 23783

Ion	Ratio	Lower	Upper
91	100		
106	24.1	23.9	35.9



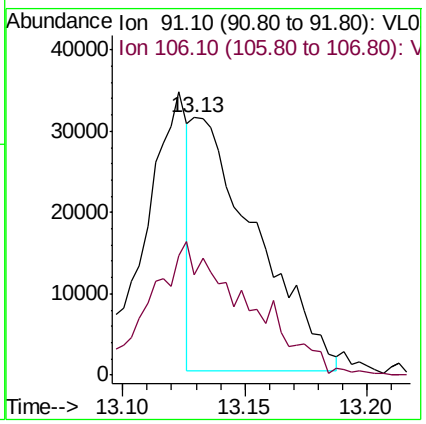


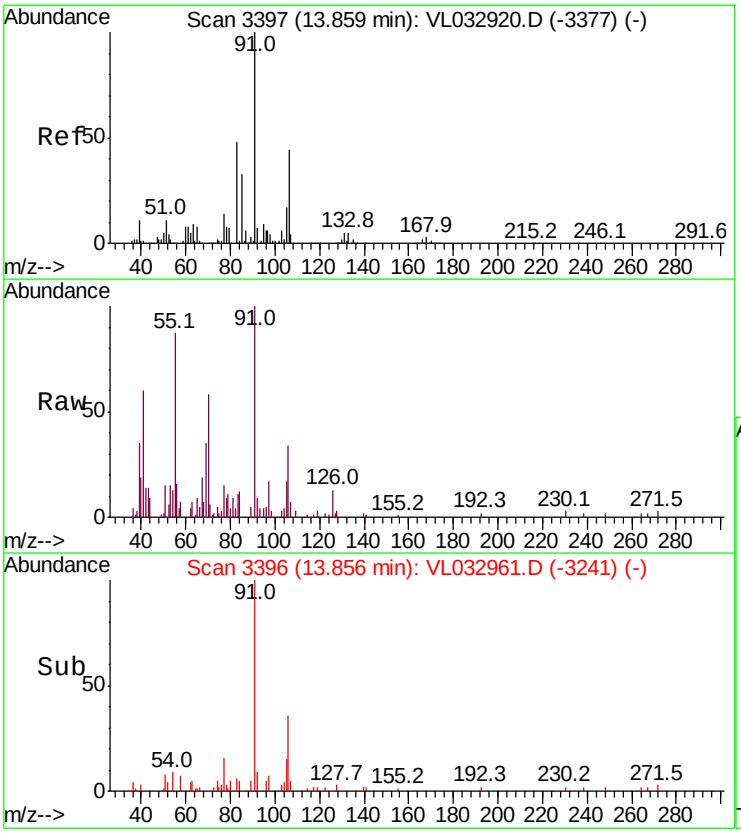
#59
m/p-Xylene
Concen: 0.172 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 56961

Ion	Ratio	Lower	Upper
91	100		
106	79.7	0.0	0.0#

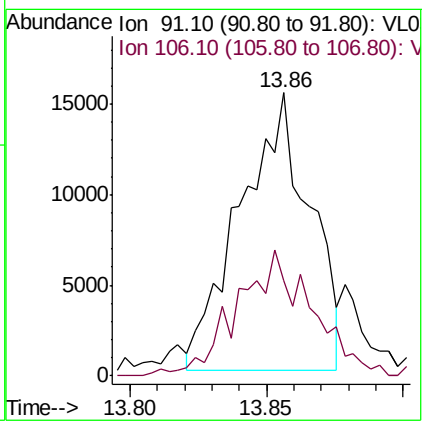


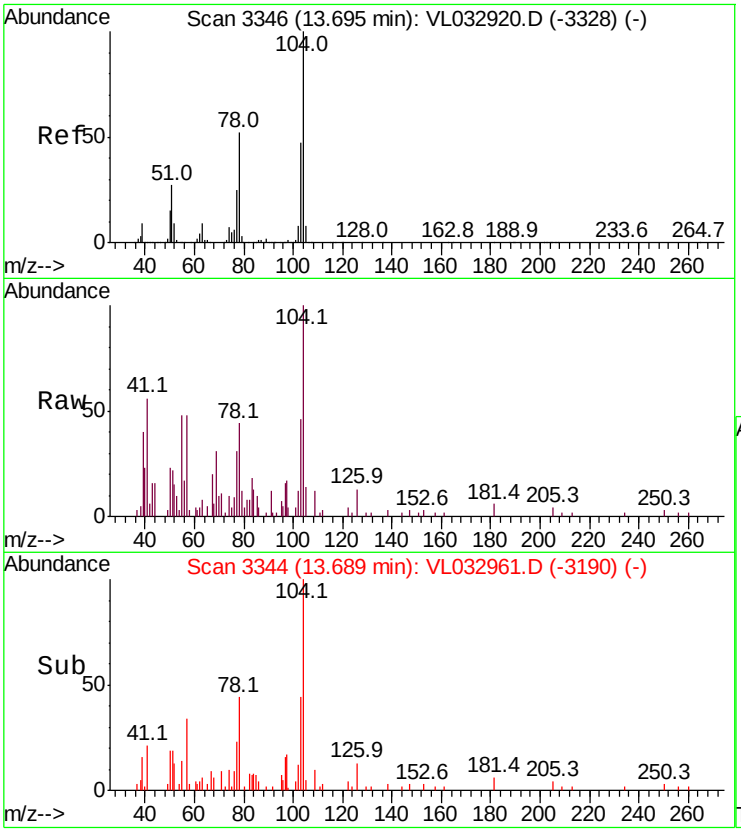


#60
o-Xylene
Concen: 0.081 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion: 91 Resp: 27121

Ion	Ratio	Lower	Upper
91	100		
106	49.0	21.9	65.8



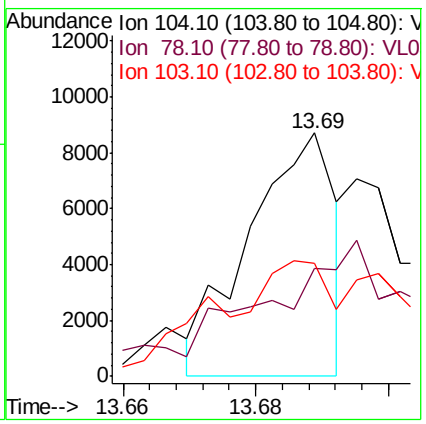


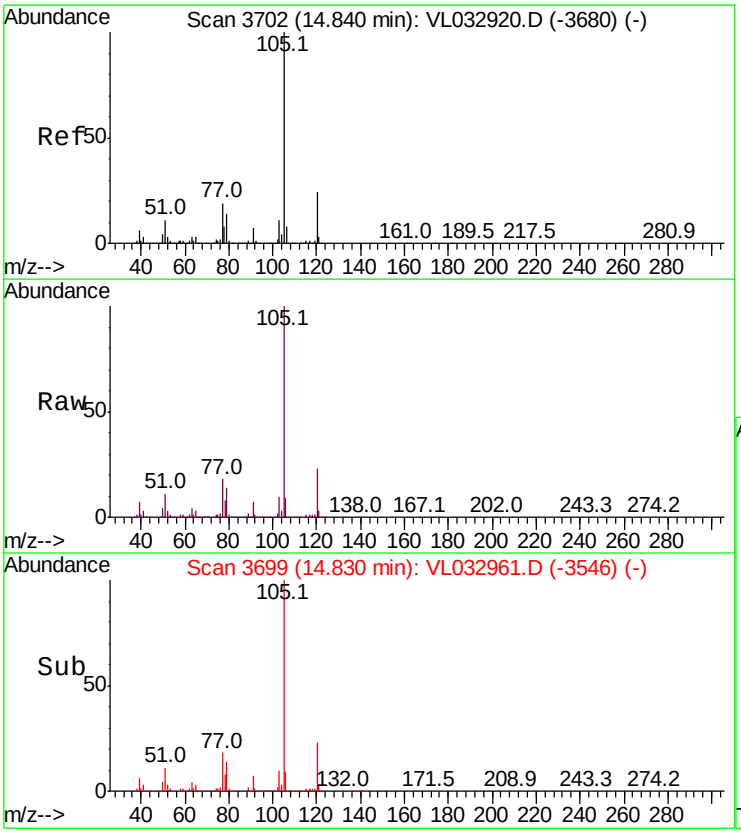
#61
Stvrene
Concen: 0.035 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 7866

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.0	63.0#
103	114.6	38.3	57.5#

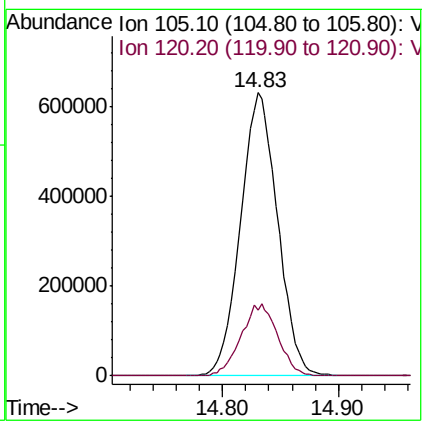


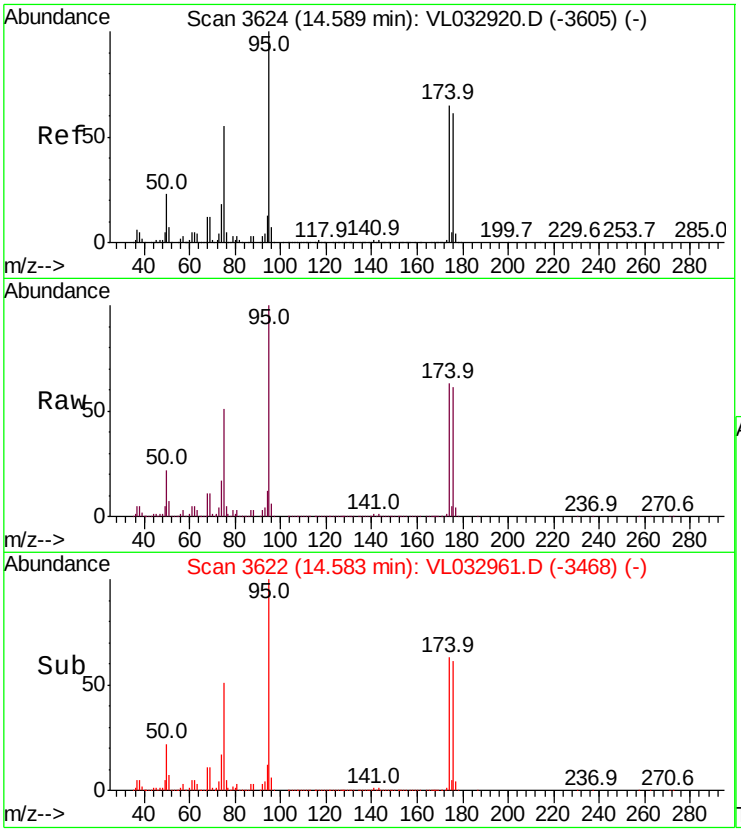


#62
Isopropylbenzene
Concen: 2.997 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Tgt Ion:105 Resp: 1399955

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.817 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032961.D
Acq: 11 Dec 2018 19:20

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2738950

Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.4	77.0
175	4.8	3.8	5.6