Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072718\
Data File : VL032323.D
Acq On : 27 Jul 2018 17:45
Operator : SY/AP
Sample : J4131-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 27 23:19:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 07:05:37 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.83	49	1852023	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.37	114	3969664	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.32	117	4596734	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.66	95	3717411	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.12	85	10408	0.047	ppbv		97
9) Propene	3.08	41	42115	0.506	ppbv		93
11) Trichlorofluoromethane	4.06	101	431063	2.020	ppbv		100
15) Acetone	3.97	43	168418	0.965	ppbv	#	63
16) 1,3-Butadiene	3.40	39	69712	0.770	ppbv	#	11
20) Methylene Chloride	4.47	84	28909	0.412	ppbv		87
23) Vinyl Acetate	5.33	43	9868	0.032	ppbv	#	25
26) Hexane	5.85	57	11006	0.062	ppbv	#	1
28) Methyl tert-Butyl Ether	5.20	73	10434	0.044	ppbv	#	87
29) Chloroform	5.91	83	26069	0.101	ppbv		88
34) 2-Butanone	5.40	43	564401	2.197	ppbv		100
39) 1,2-Dichloropropane	7.36	63	1061120	6.028	ppbv	#	27
51) 2-Hexanone	10.38	43	71686	0.207	ppbv	#	98
52) Tetrachloroethene	11.45	164	5779	0.049	ppbv	#	64
53) Toluene	10.03	91	131208	0.314	ppbv		97
58) Ethyl Benzene	12.95	91	148153	0.257	ppbv		92
59) m/p-Xylene	13.21	91	230295	0.469	ppbv	#	31
60) o-Xylene	13.94	91	217602	0.452	ppbv		98
61) Styrene	13.77	104	241619	0.682	ppbv		98
62) Isopropylbenzene	14.91	105	141883	0.208	ppbv		99
64) n-propylbenzene	15.80	120	5542	0.031	ppbv	#	1
69) p-Isopropyltoluene	17.90	119	40765	0.061	ppbv	#	86
72) 4-Ethyltoluene	16.08	105	22371	0.041	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.24	105	31165	0.059	ppbv	#	78
74) 1,2,4-Trimethylbenzene	17.01	105	117232	0.210	ppbv	#	71

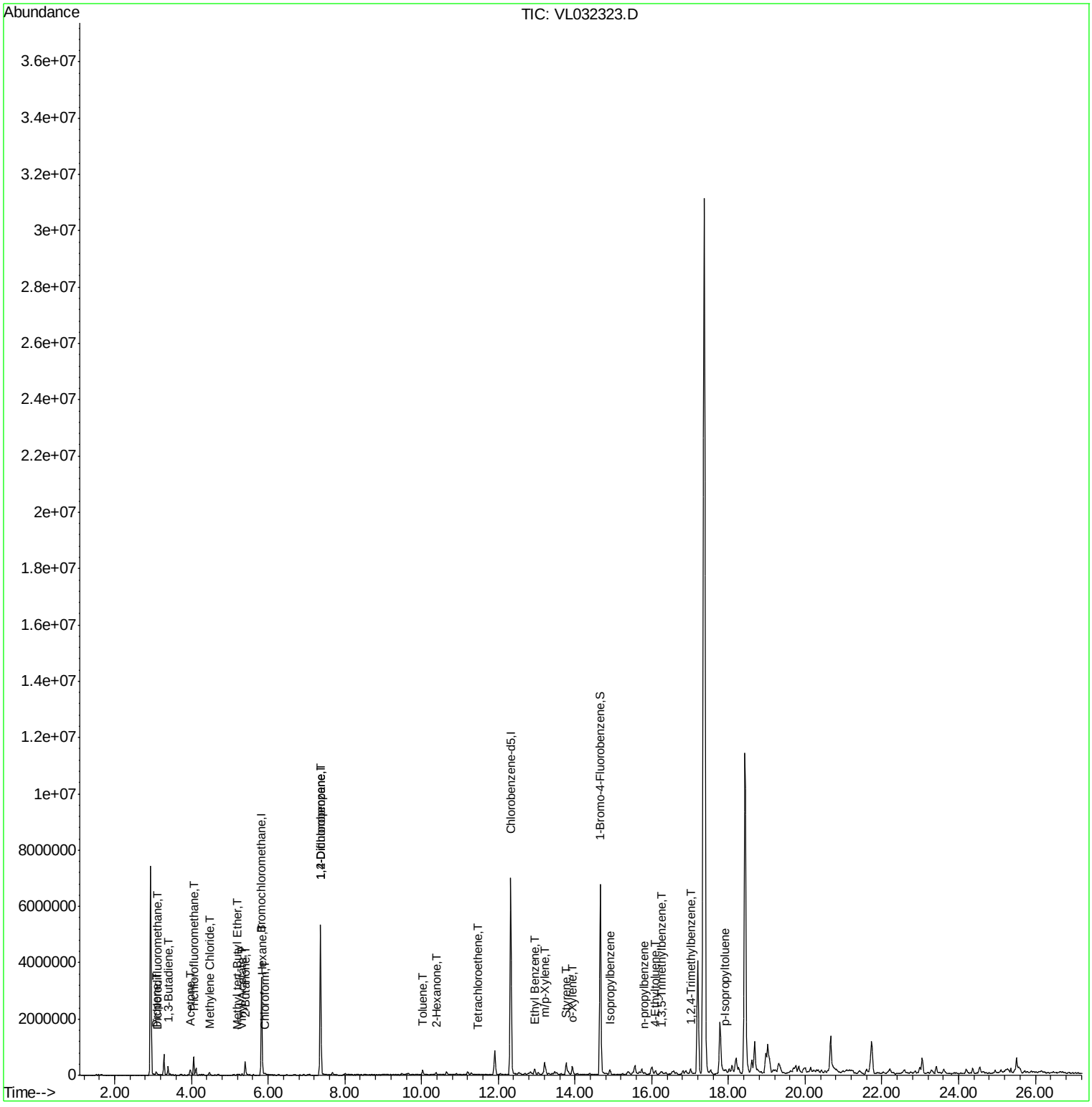
(#) = qualifier out of range (m) = manual integration (+) = signals summed

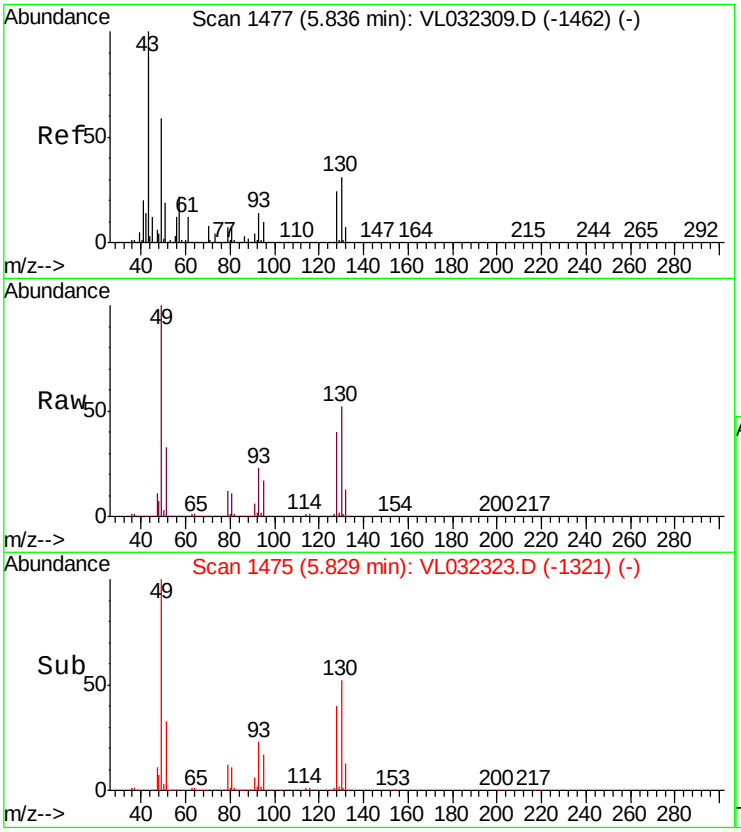
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072718\
Data File : VL032323.D
Acq On : 27 Jul 2018 17:45
Operator : SY/AP
Sample : J4131-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 27 23:19:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 27 07:05:37 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration



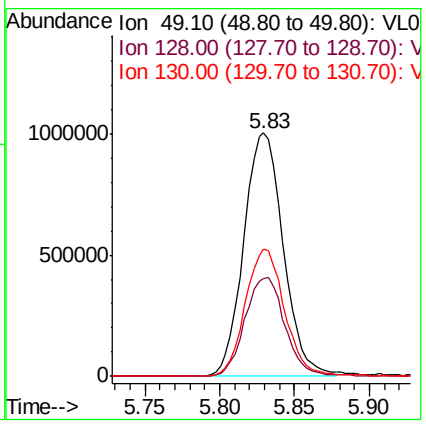


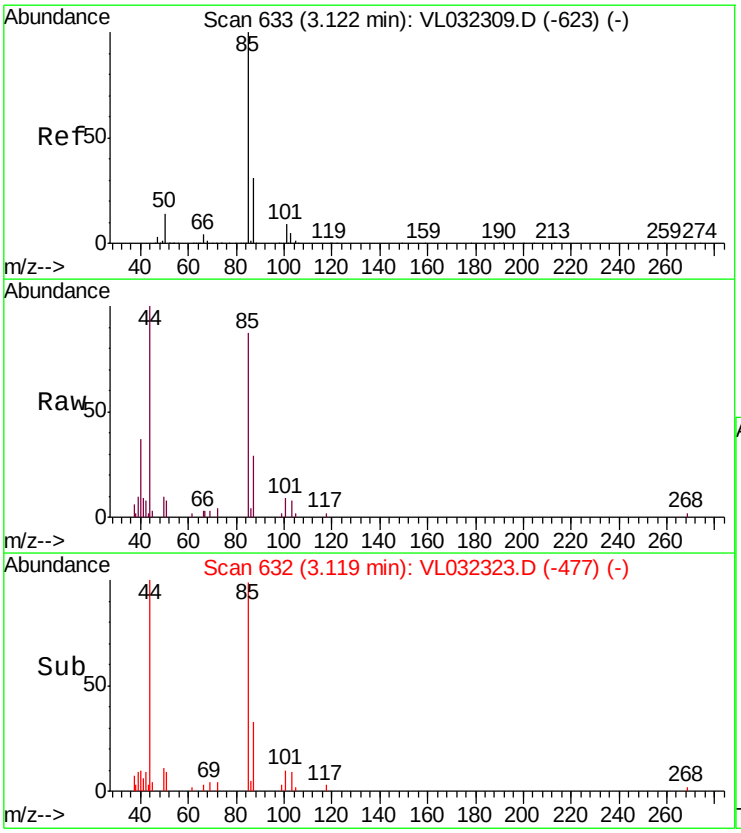
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1852023

Ion	Ratio	Lower	Upper
49	100		
128	41.4	20.2	60.6
130	52.3	25.8	77.3

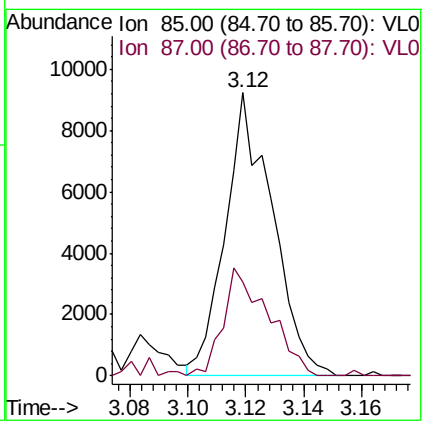


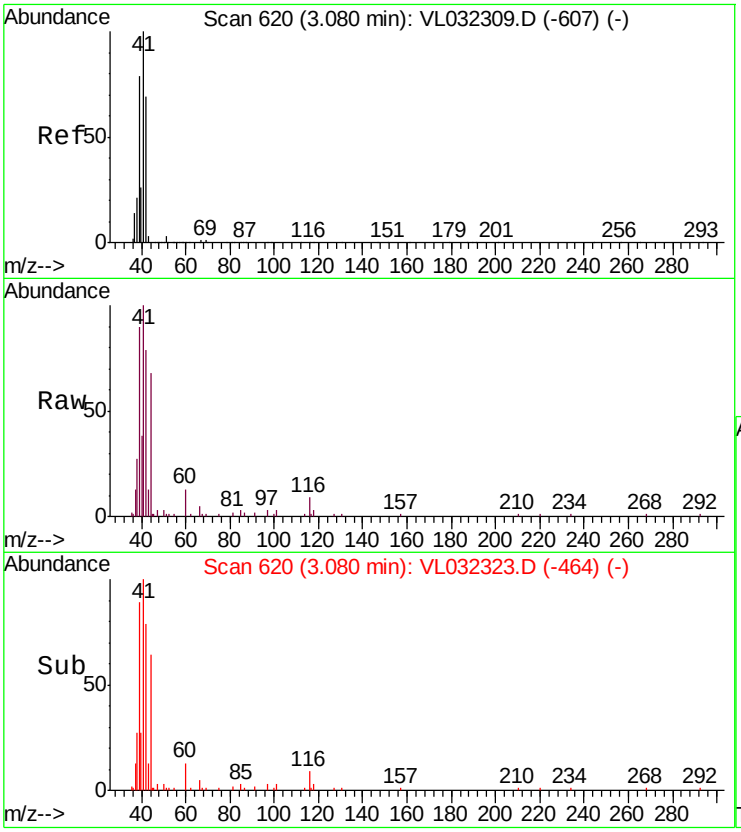


#2
Dichlorodifluoromethane
Concen: 0.047 ppbv
RT: 3.12 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 85 Resp: 10408

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.2	37.8



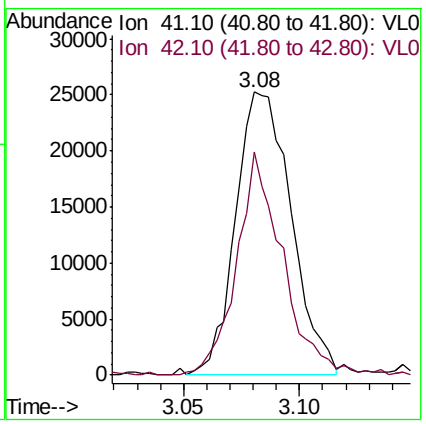


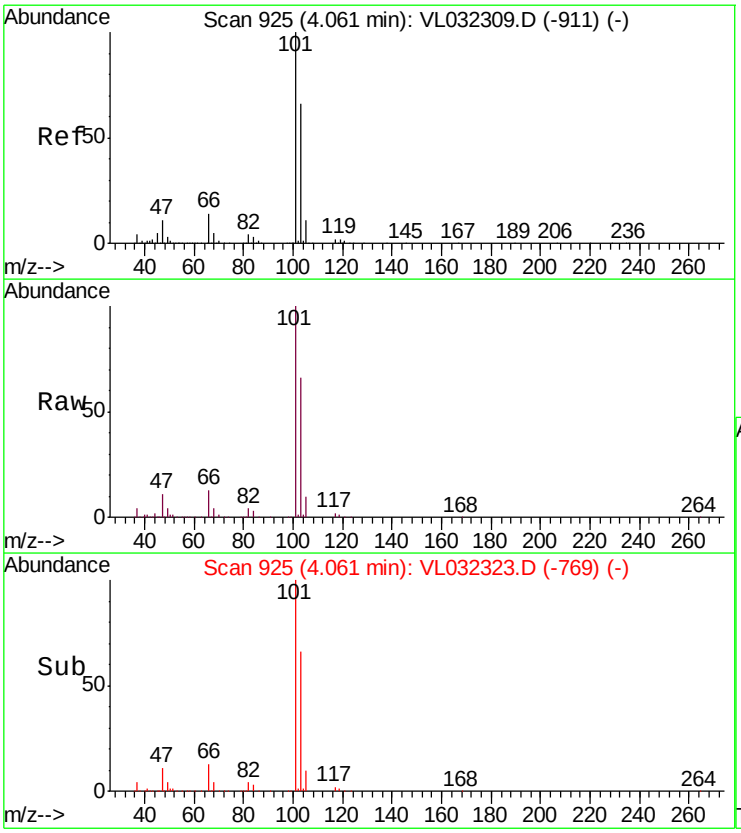
#9
Propene
Concen: 0.506 ppbv
RT: 3.08 min Scan# 620
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 42115

Ion	Ratio	Lower	Upper
41	100		
42	65.3	56.8	85.2

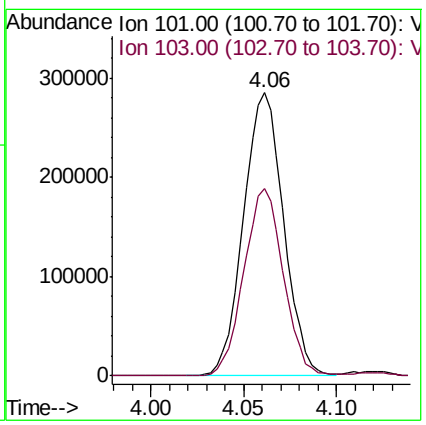


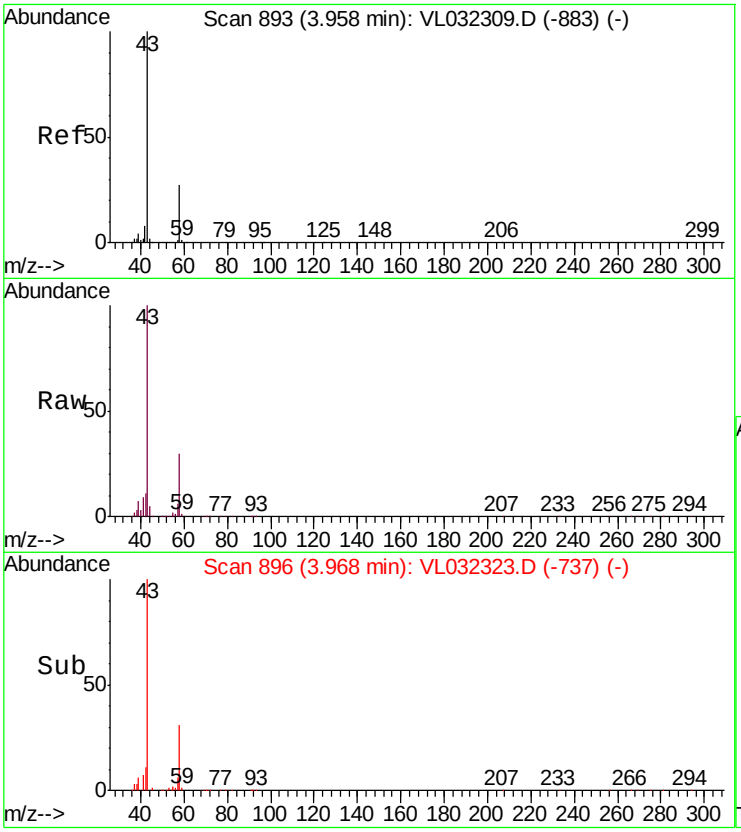


#11
Trichlorofluoromethane
Concen: 2.020 ppbv
RT: 4.06 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:101 Resp: 431063

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.6	78.8



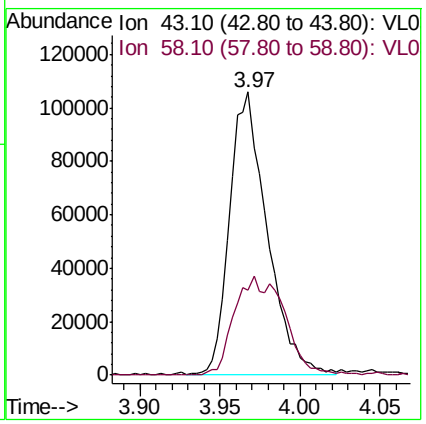


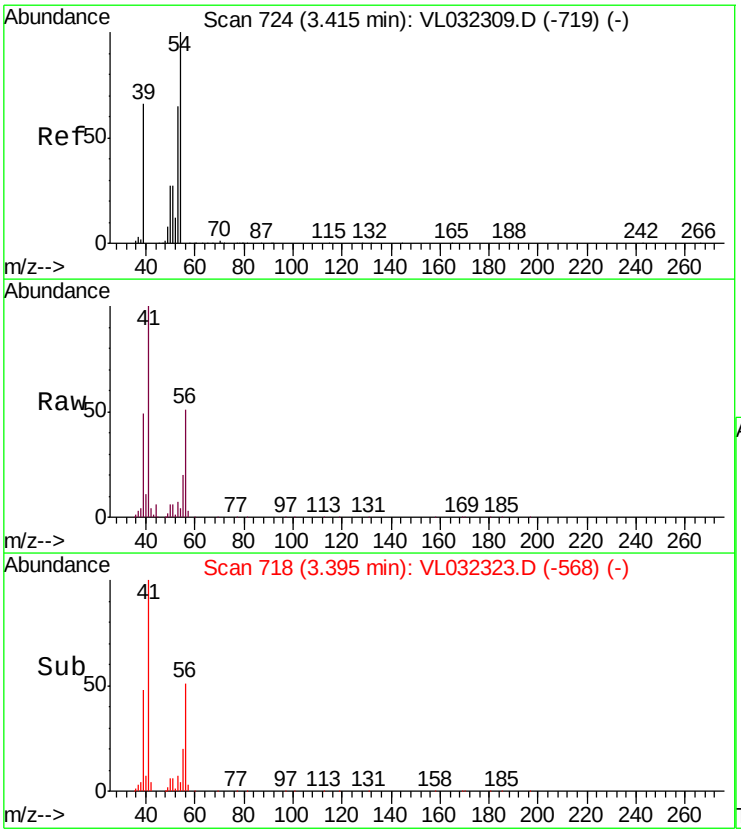
#15
Acetone
Concen: 0.965 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 168418

Ion	Ratio	Lower	Upper
43	100		
58	47.6	22.5	33.7#

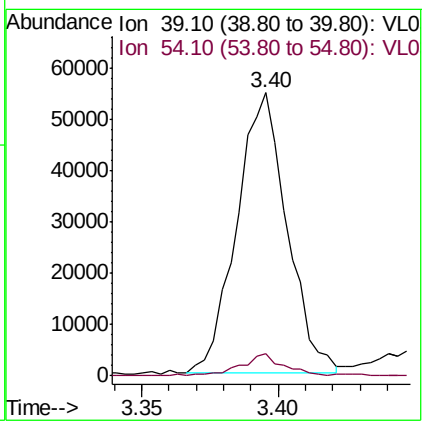


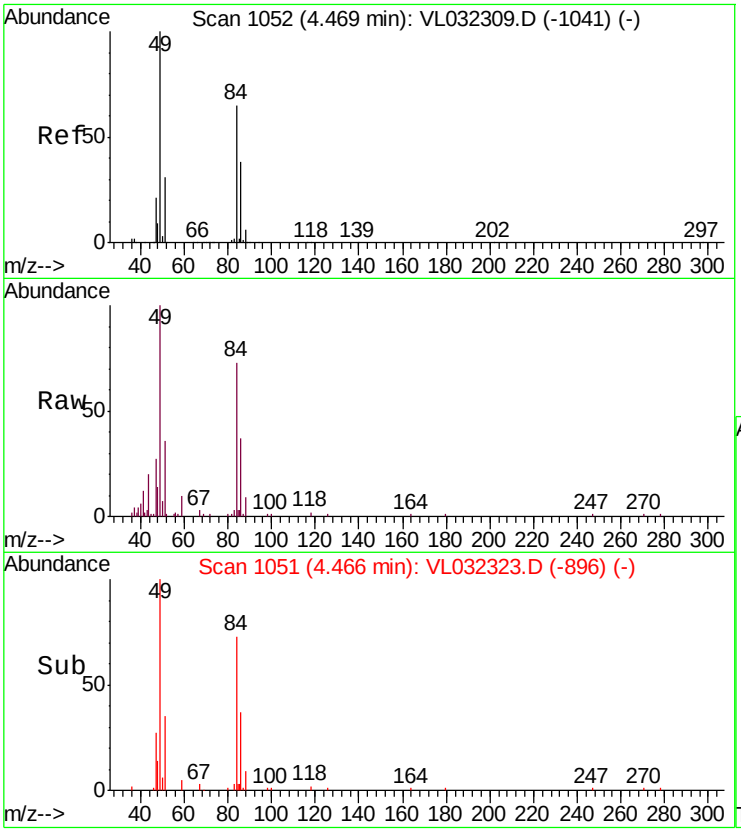


#16
1,3-Butadiene
Concen: 0.770 ppbv
RT: 3.40 min Scan# 718
Delta R.T. -0.02 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 39 Resp: 69712

Ion	Ratio	Lower	Upper
39	100		
54	7.2	74.3	111.5#



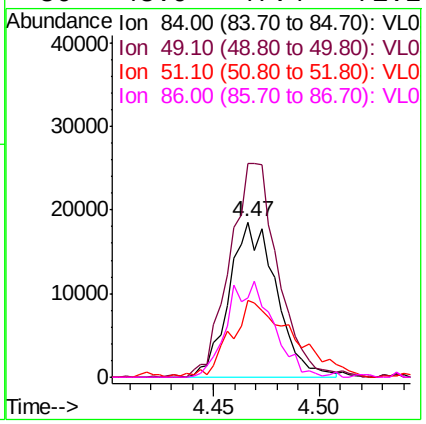


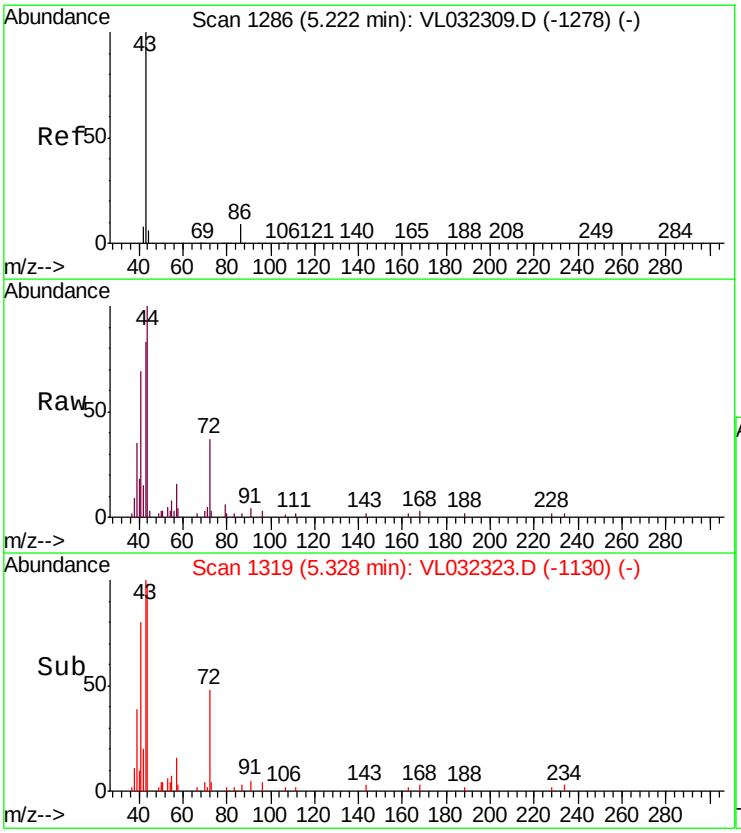
#20
Methylene Chloride
Concen: 0.412 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 28909

Ion	Ratio	Lower	Upper
84	100		
49	131.8	123.4	185.0
51	47.3	38.2	57.2
86	48.9	47.4	71.2

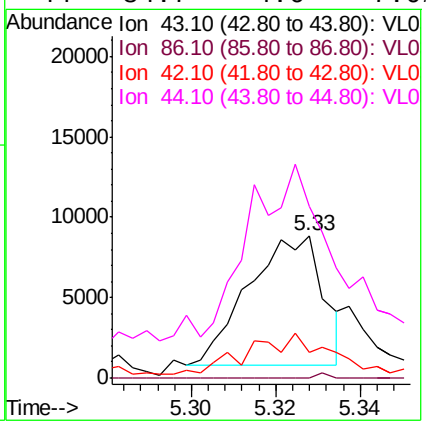


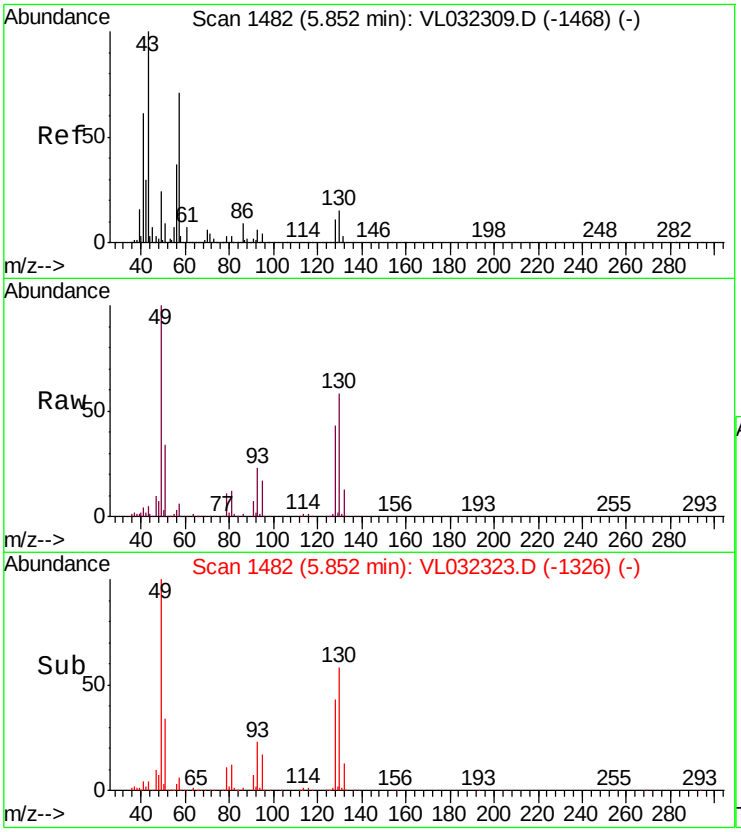


#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 5.33 min Scan# 1319
Delta R.T. 0.11 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 43 Resp: 9868

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.3	9.5#
42	14.3	7.0	10.4#
44	84.7	4.6	7.0#



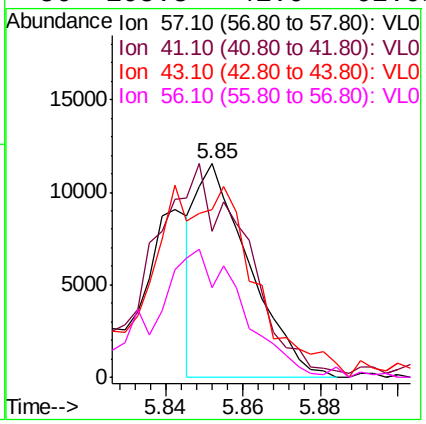


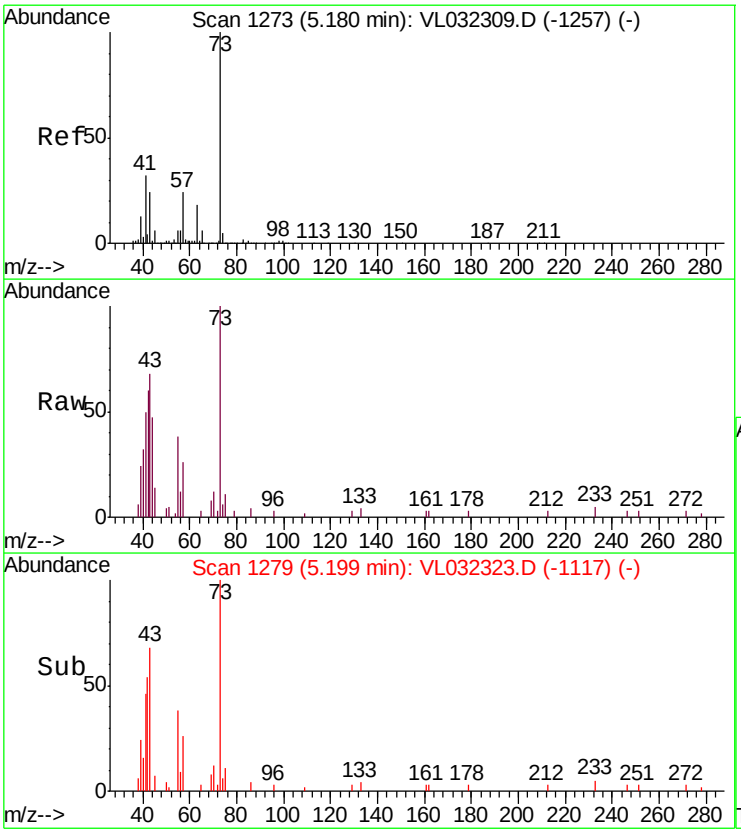
#26
Hexane
Concen: 0.062 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 11006

Ion	Ratio	Lower	Upper
57	100		
41	194.7	68.1	102.1#
43	0.0	177.4	266.2#
56	105.3	41.9	62.9#

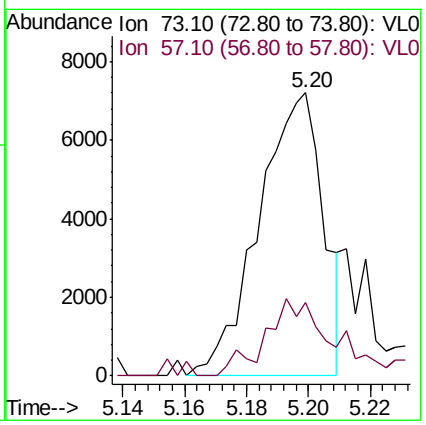


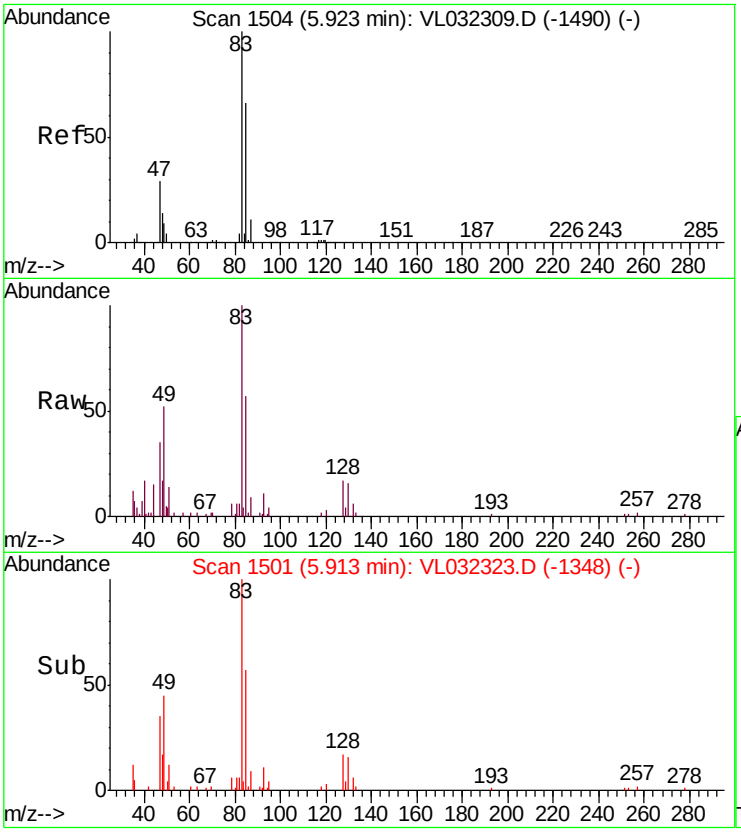


#28
Methyl tert-Butyl Ether
Concen: 0.044 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 73 Resp: 10434

Ion	Ratio	Lower	Upper
73	100		
57	30.8	19.4	29.0#

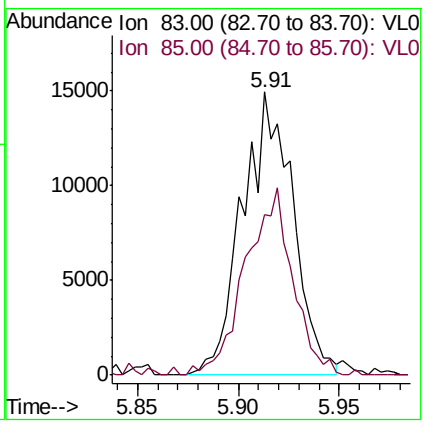




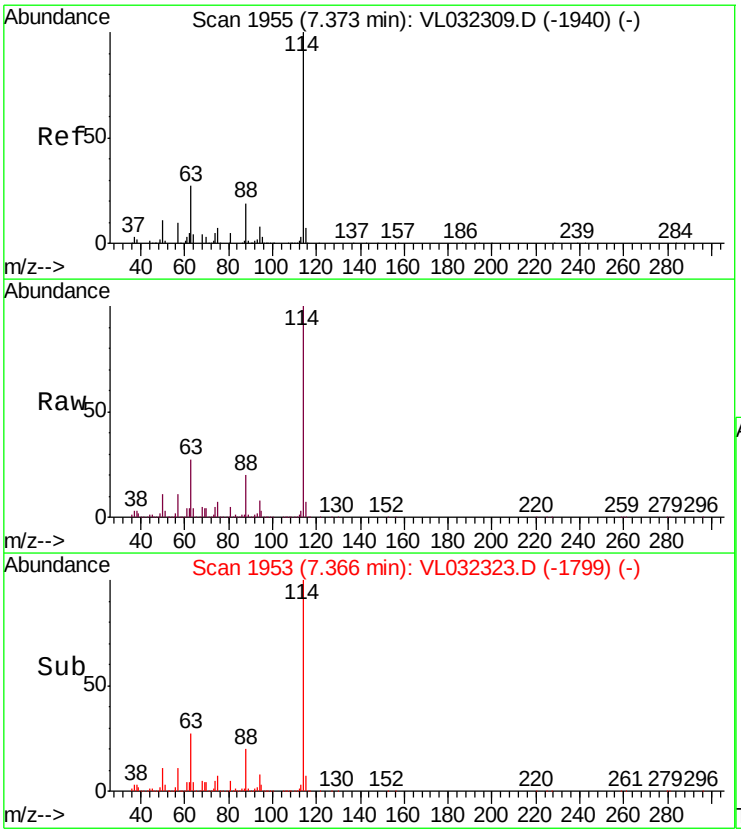
#29
Chloroform
Concen: 0.101 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 83 Resp: 26069

Ion	Ratio	Lower	Upper
83	100		
85	56.6	52.9	79.3



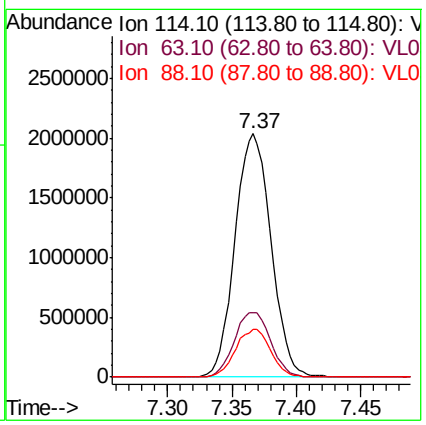
Instrument :
MSVOA_L
ClientSampleId :

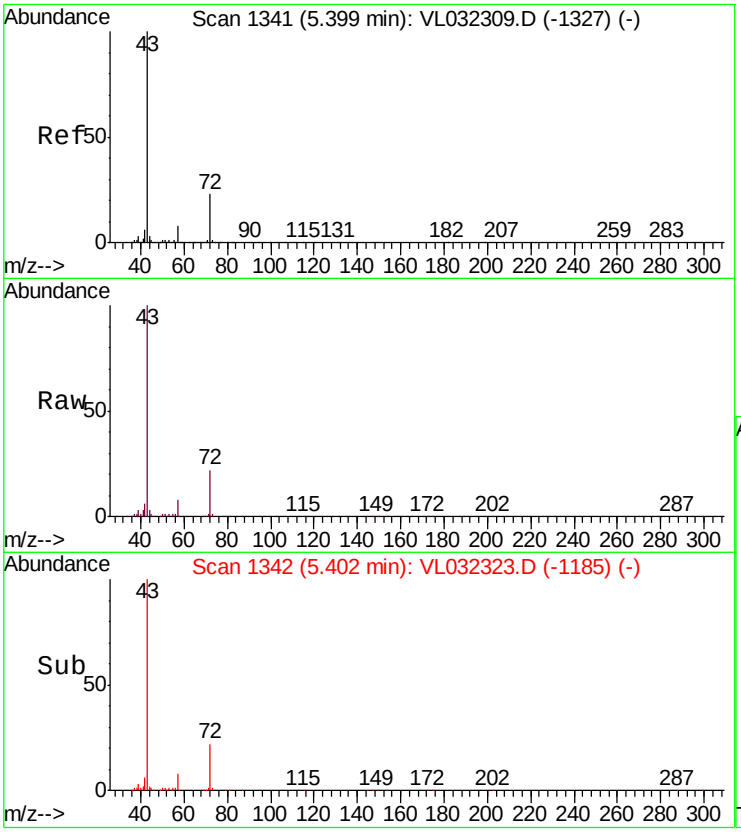


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1953
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:114 Resp: 3969664

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	19.2	15.3	22.9



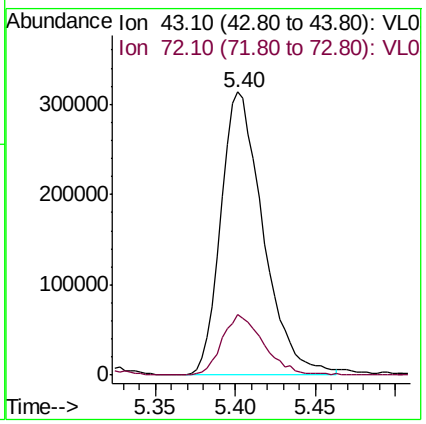


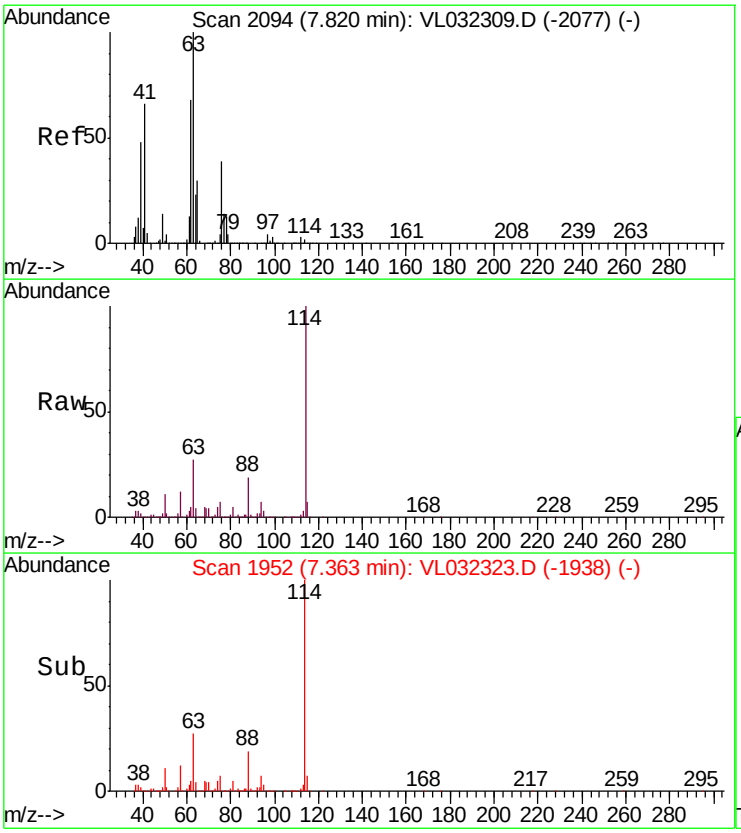
#34
2-Butanone
Concen: 2.197 ppbv
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 564401

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2

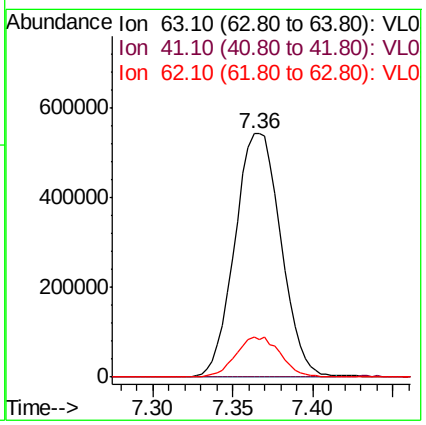


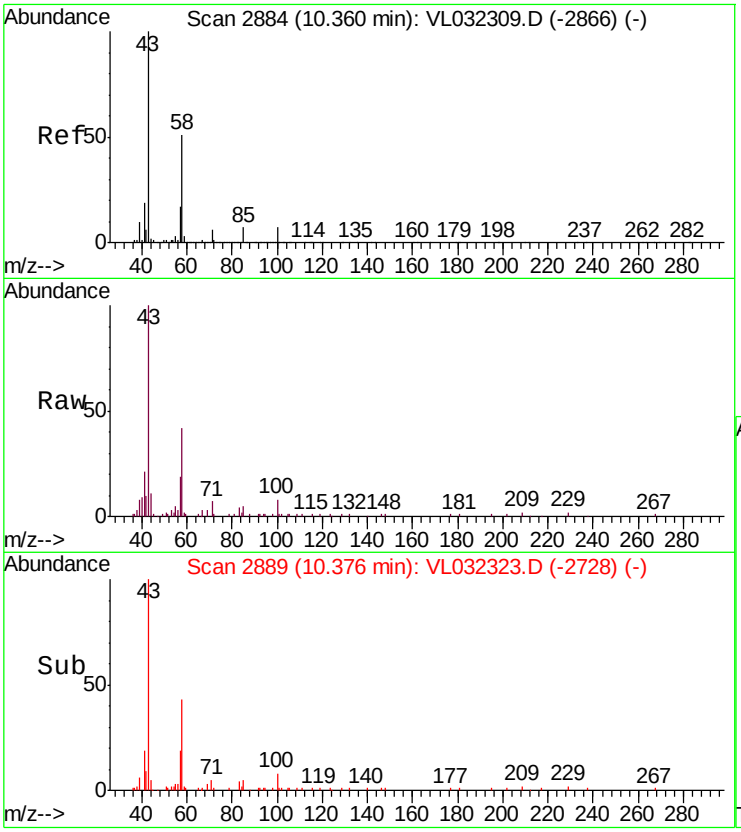


#39
1,2-Dichloropropane
Concen: 6.028 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. -0.46 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 63 Resp: 1061120

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.5	78.7#
62	16.7	54.6	81.8#



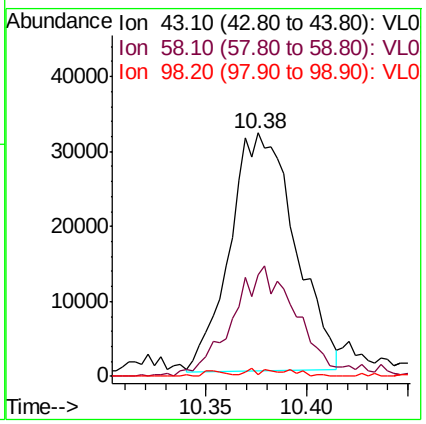


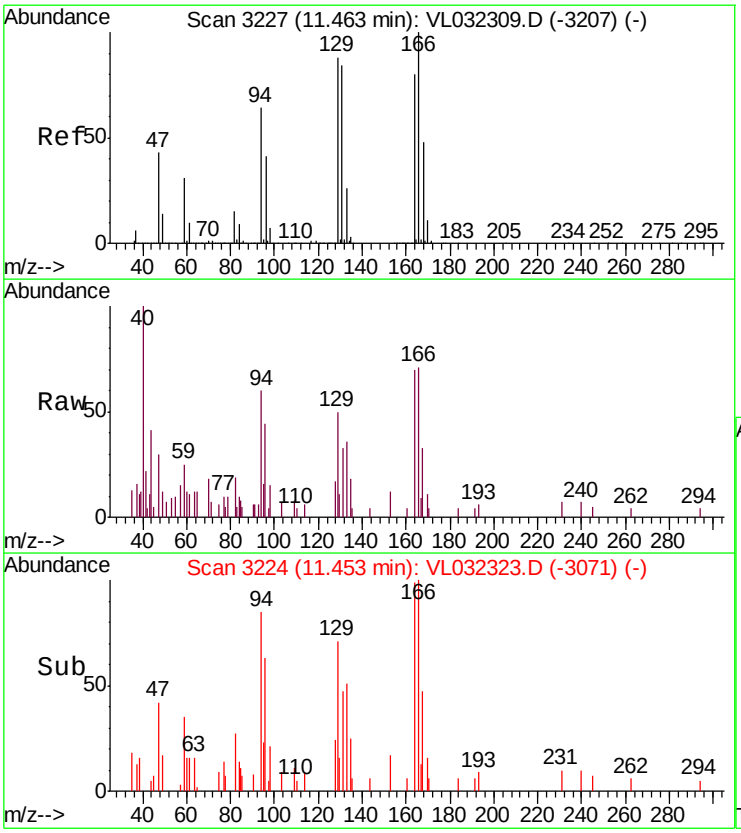
#51
2-Hexanone
Concen: 0.207 ppbv
RT: 10.38 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 71686

Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.1	58.7
98	2.9	0.3	0.5#

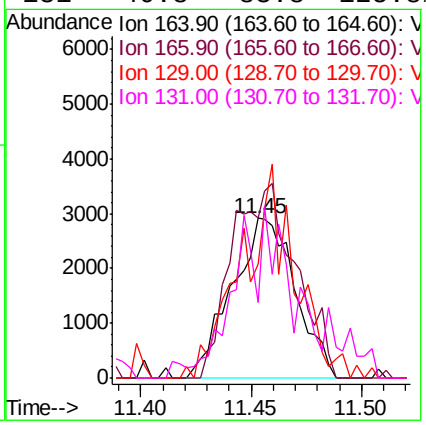


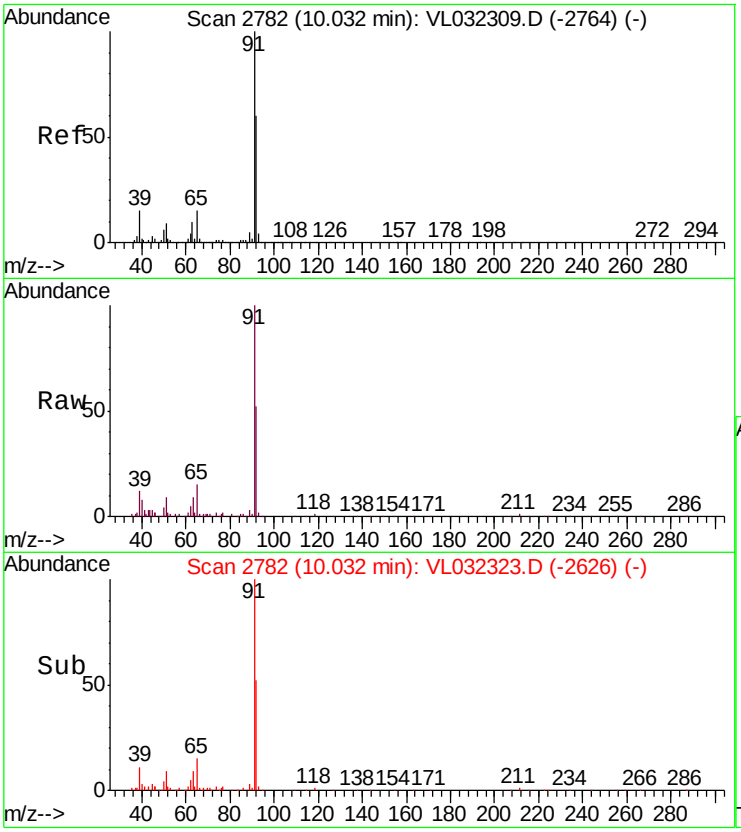


#52
Tetrachloroethene
Concen: 0.049 ppbv
RT: 11.45 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:164 Resp: 5779

Ion	Ratio	Lower	Upper
164	100		
166	100.7	100.0	150.0
129	79.8	87.9	131.9#
131	40.8	83.8	125.8#



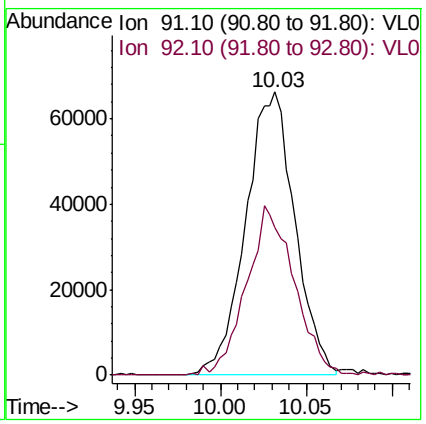


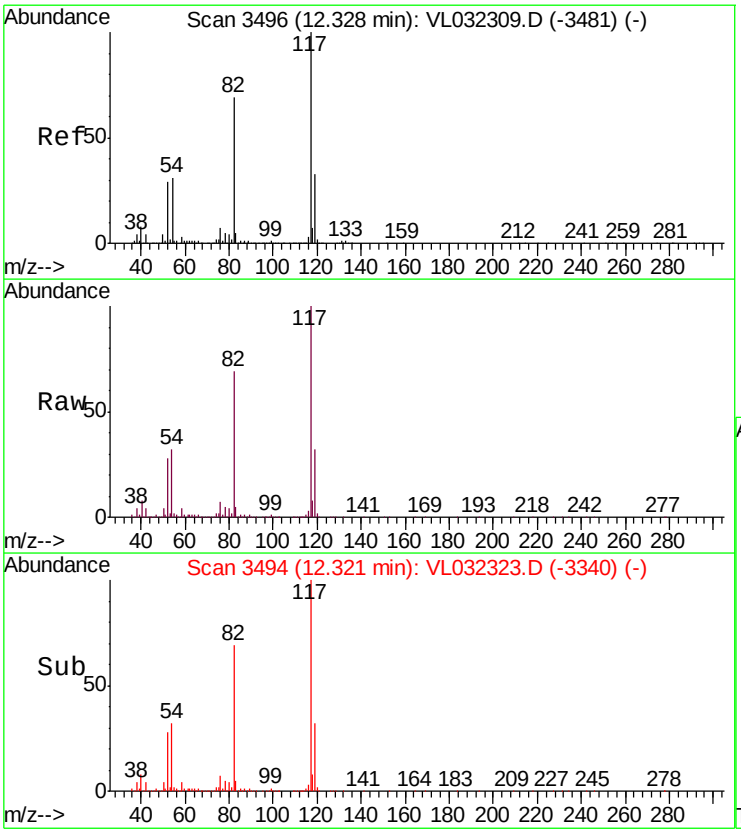
#53
Toluene
Concen: 0.314 ppbv
RT: 10.03 min Scan# 2782
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 131208

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.6	72.8

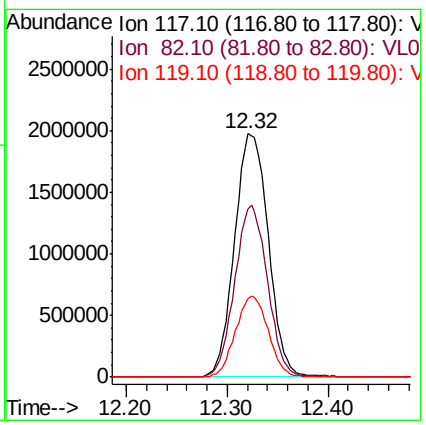


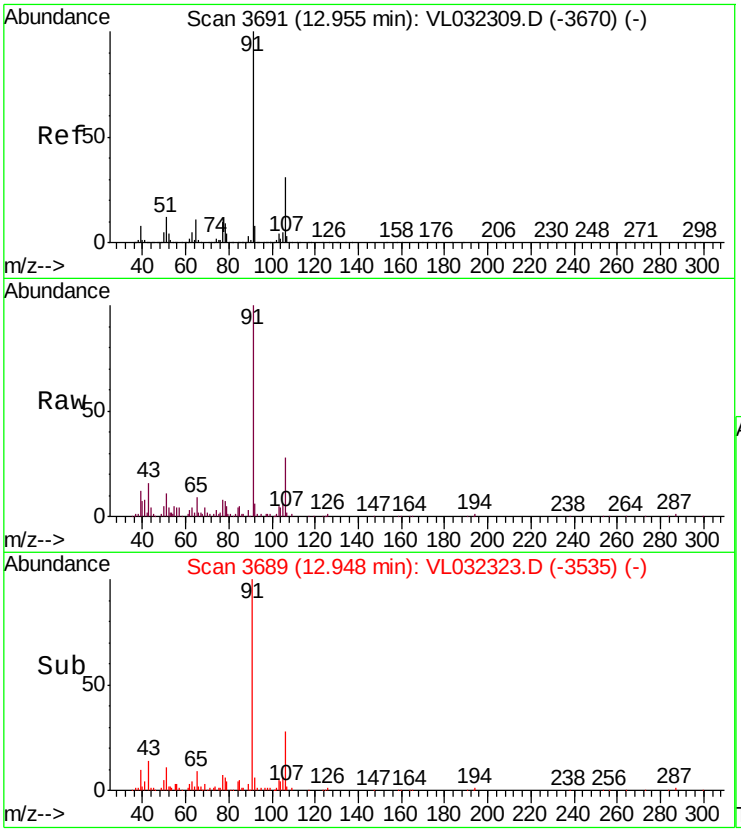


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.32 min Scan# 3494
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:117 Resp: 4596734

Ion	Ratio	Lower	Upper
117	100		
82	68.7	52.6	78.8
119	32.5	25.7	38.5



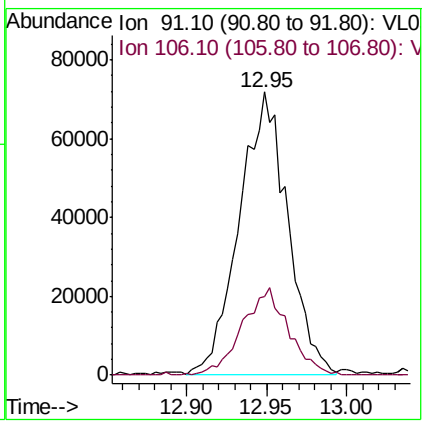


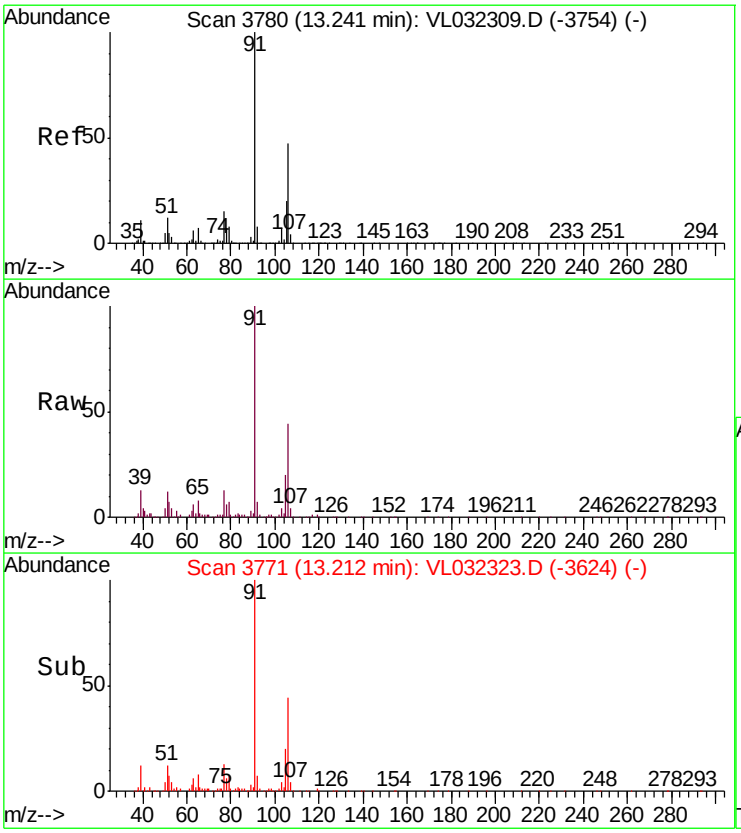
#58
Ethyl Benzene
Concen: 0.257 ppbv
RT: 12.95 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 148153

Ion	Ratio	Lower	Upper
91	100		
106	27.0	25.0	37.4

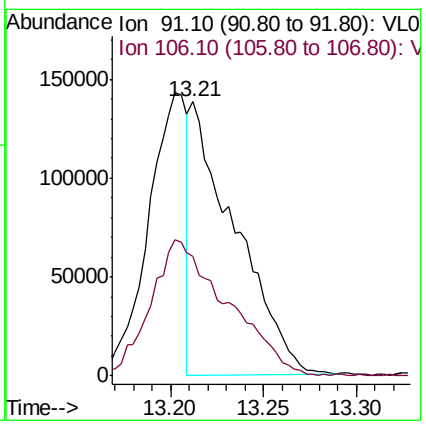


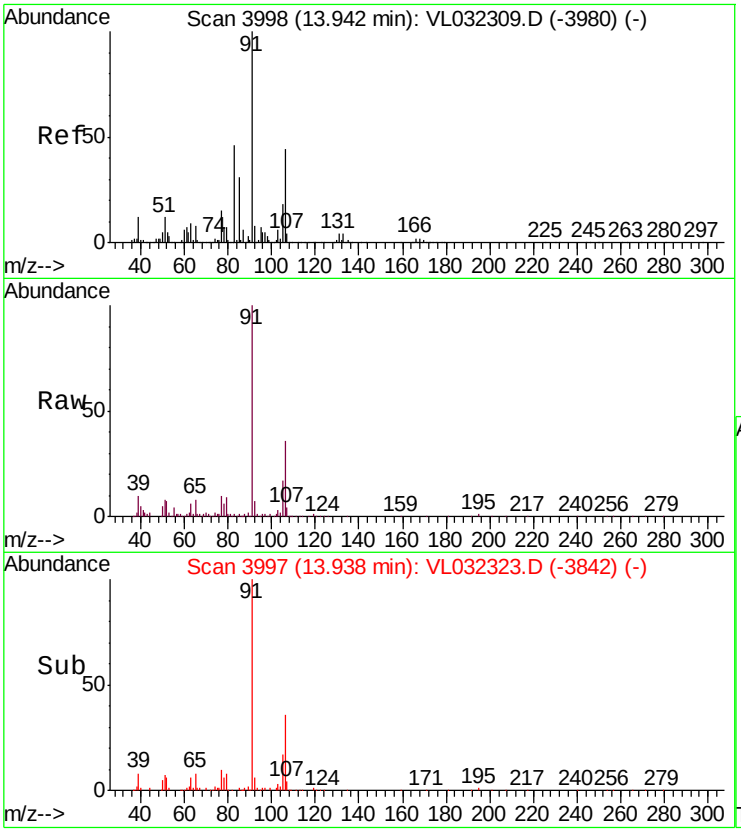


#59
m/p-Xylene
Concen: 0.469 ppbv
RT: 13.21 min Scan# 3771
Delta R.T. -0.03 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 91 Resp: 230295

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#



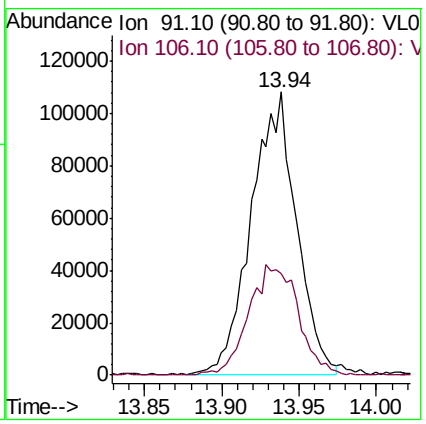


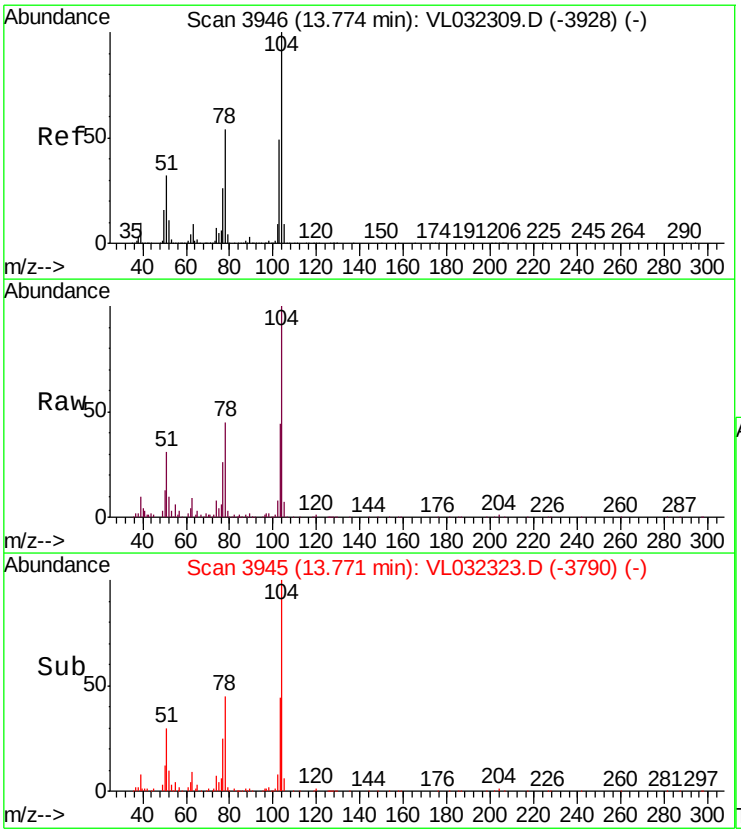
#60
o-Xylene
Concen: 0.452 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 217602

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.4	67.0

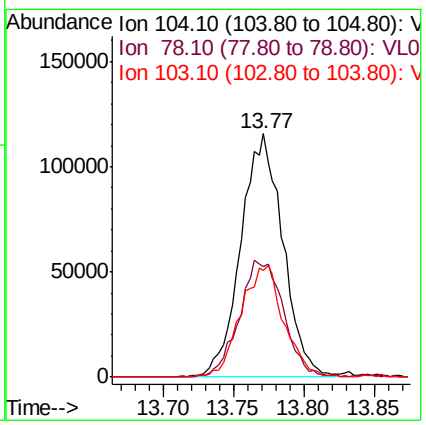


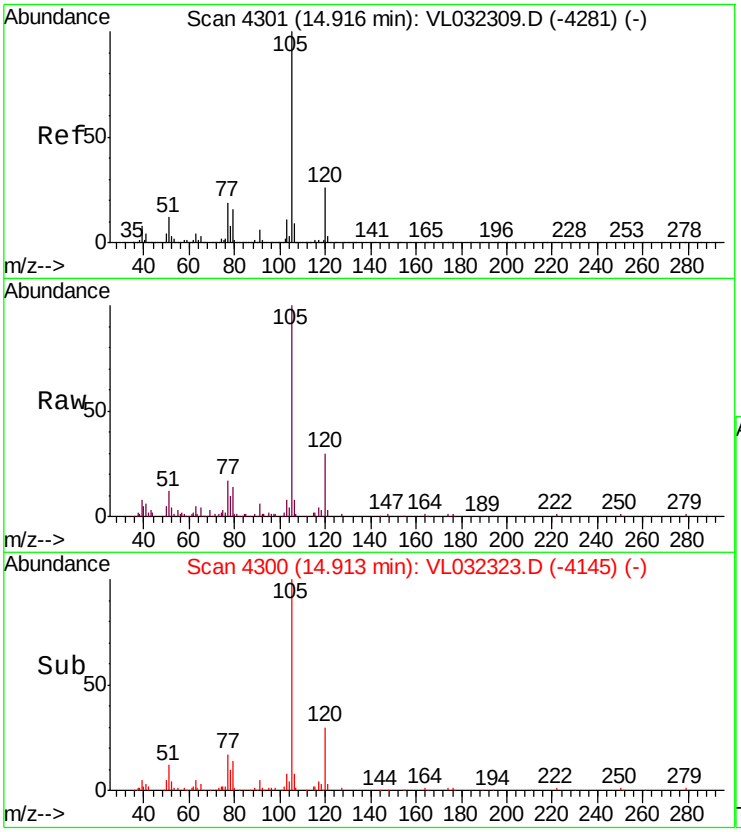


#61
Styrene
Concen: 0.682 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:104 Resp: 241619

Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.6	63.8
103	47.1	38.0	57.0



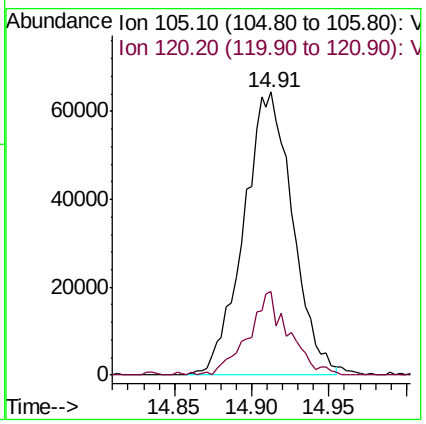


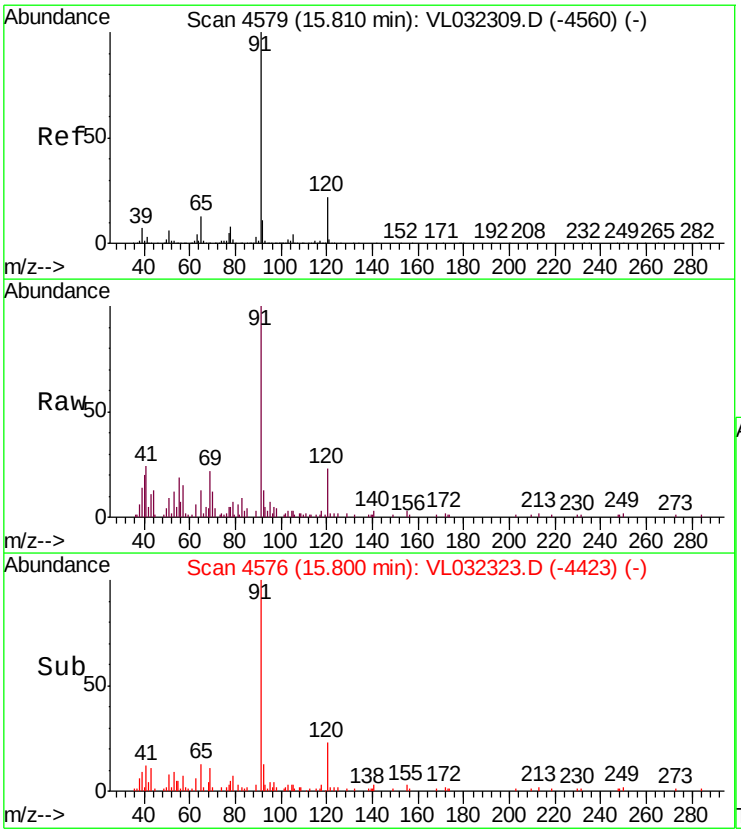
#62
Isopropylbenzene
Concen: 0.208 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 141883

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6

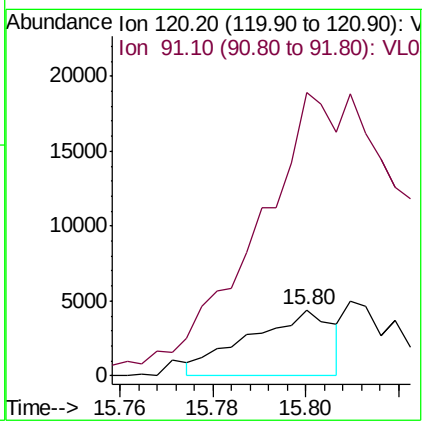


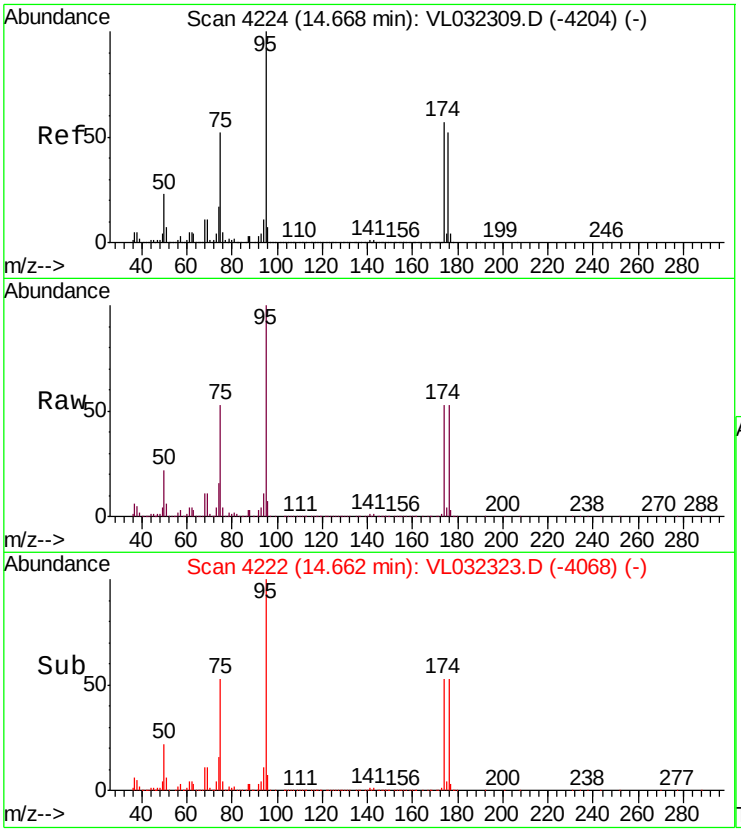


#64
n-propylbenzene
Concen: 0.031 ppbv
RT: 15.80 min Scan# 4576
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:120 Resp: 5542

Ion	Ratio	Lower	Upper
120	100		
91	848.9	381.8	572.8#



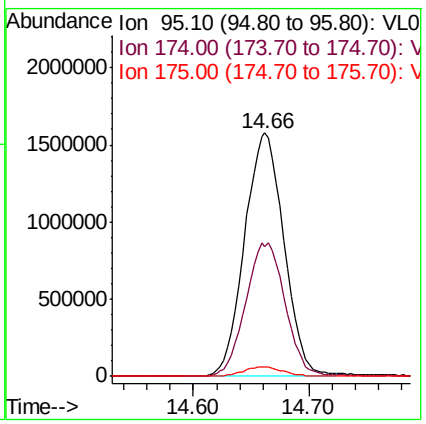


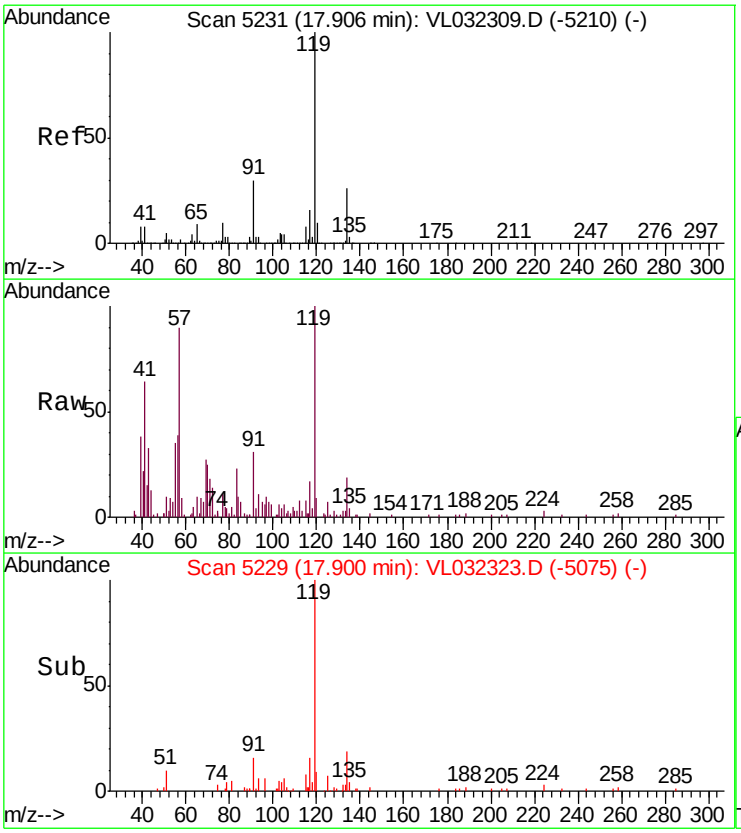
#68
1-Bromo-4-Fluorobenzene
Concen: 10.419 ppbv
RT: 14.66 min Scan# 4222
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 3717411

Ion	Ratio	Lower	Upper
95	100		
174	55.2	45.5	68.3
175	4.1	3.3	4.9

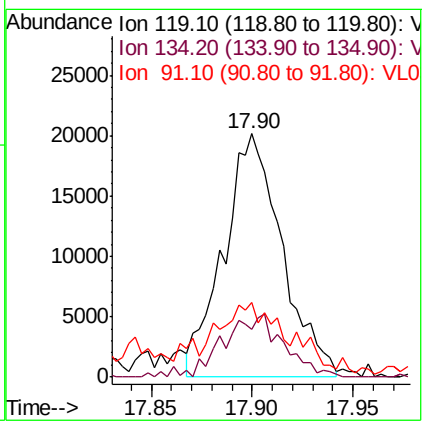


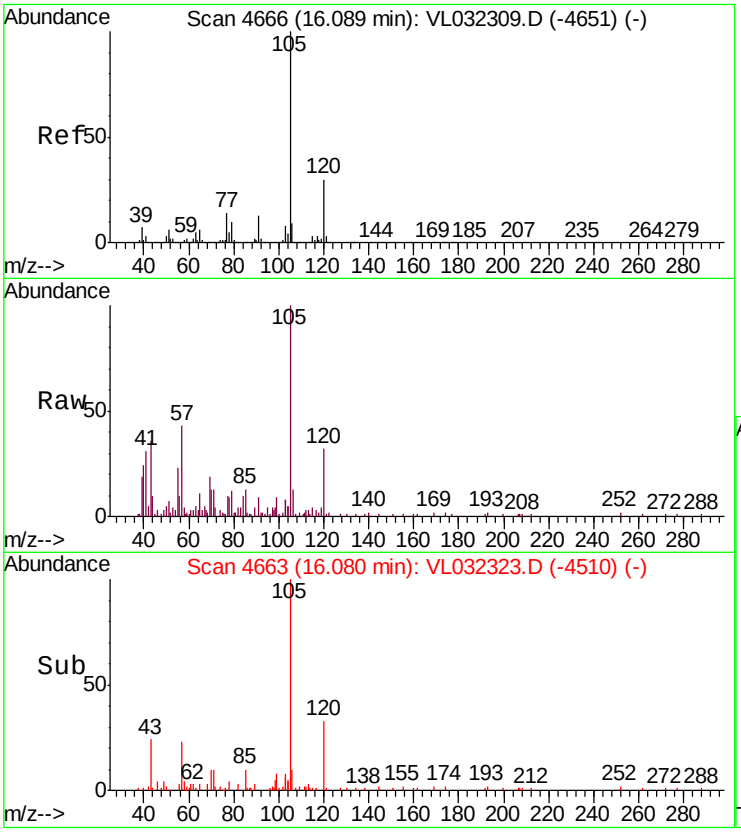


#69
p-Isopropyltoluene
Concen: 0.061 ppbv
RT: 17.90 min Scan# 5229
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:119 Resp: 40765

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.3	30.5
91	42.1	23.8	35.6#



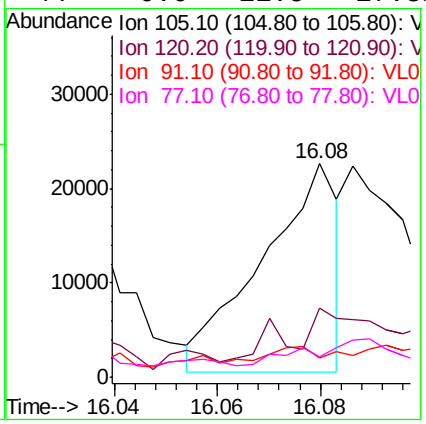


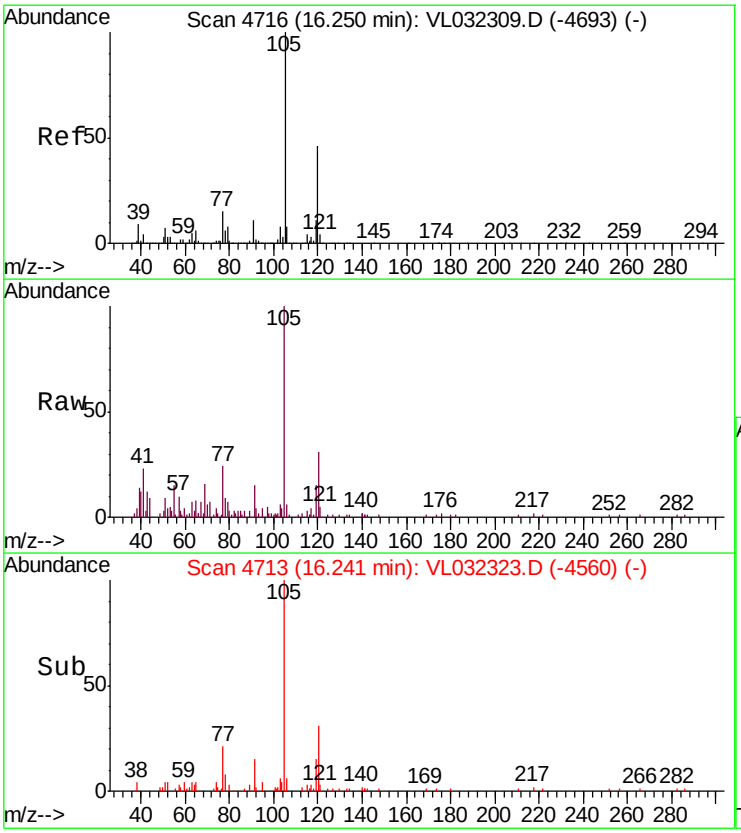
#72
4-Ethyltoluene
Concen: 0.041 ppbv
RT: 16.08 min Scan# 4663
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 22371

Ion	Ratio	Lower	Upper
105	100		
120	59.1	23.1	34.7#
91	0.0	10.0	15.0#
77	0.0	11.5	17.3#

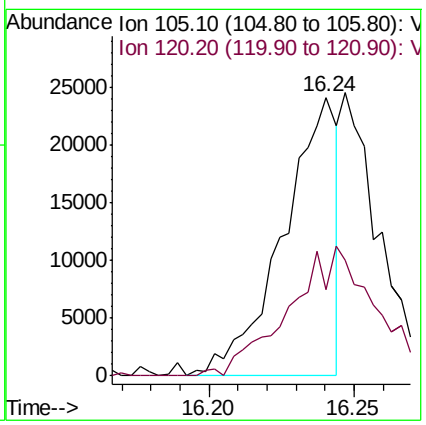


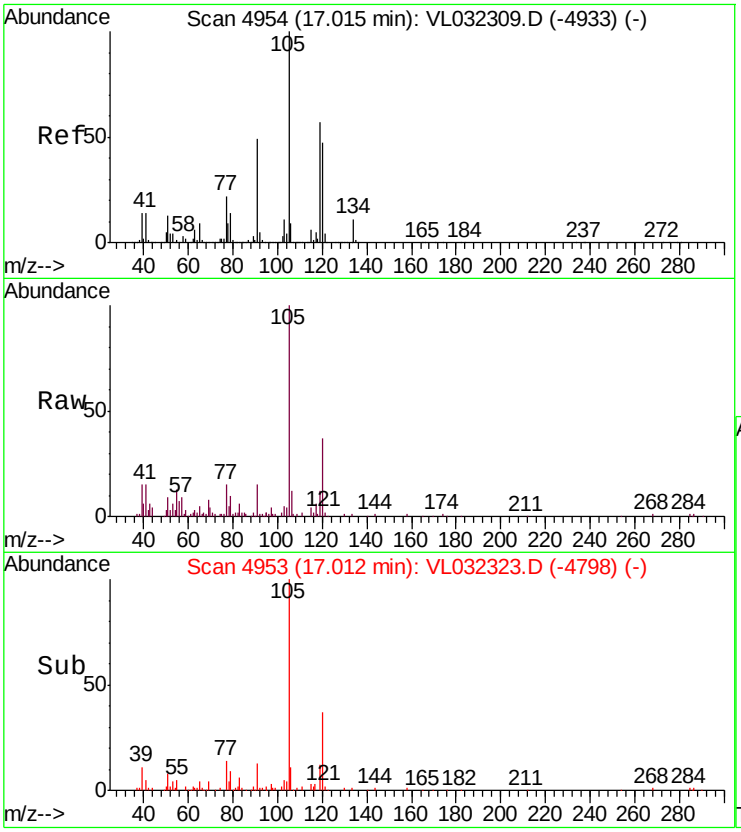


#73
1,3,5-Trimethylbenzene
Concen: 0.059 ppbv
RT: 16.24 min Scan# 4713
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion:105 Resp: 31165

Ion	Ratio	Lower	Upper
105	100		
120	31.0	36.5	54.7#





#74
1,2,4-Trimethylbenzene
Concen: 0.210 ppbv
RT: 17.01 min Scan# 4953
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 117232

Ion	Ratio	Lower	Upper
105	100		
120	37.1	37.8	56.6#
91	15.2	39.4	59.0#
77	14.8	17.6	26.4#