Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032673.D
Acq On : 19 Oct 2018 7:42
Operator : SY/AP
Sample : J5581-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-3

Quant Time: Oct 19 08:17:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1412811	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3493238	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3335682	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2437547	9.81	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	73816	0.513	ppbv		95
3) Chlorodifluoromethane	3.02	51	348335	3.153	ppbv		93
4) Chloromethane	3.18	50	30243	0.490	ppbv		95
9) Propene	3.06	41	20928	0.460	ppbv		98
11) Trichlorofluoromethane	4.02	101	42278	0.225	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	8831	0.056	ppbv	#	57
13) Ethanol	3.67	45	1023668	78.769	ppbv		98
15) Acetone	3.91	43	863074	6.616	ppbv		100
16) 1,3-Butadiene	3.36	39	2630	0.055	ppbv	#	41
17) tert-Butyl alcohol	4.37	59	1019	0.027	ppbv	#	100
19) Isopropyl Alcohol	4.05	45	573516	6.173	ppbv		100
20) Methylene Chloride	4.42	84	167171	2.524	ppbv		92
23) Vinyl Acetate	5.16	43	25593	0.111	ppbv	#	79
25) Ethyl Acetate	5.79	43	270277	0.900	ppbv	#	83
26) Hexane	5.79	57	340479	2.396	ppbv	#	46
29) Chloroform	5.86	83	5652	0.025	ppbv		90
34) 2-Butanone	5.35	43	74872	0.400	ppbv		100
35) Carbon Tetrachloride	7.14	117	19203	0.077	ppbv		85
36) Benzene	7.02	78	38346	0.135	ppbv	#	84
37) 1,2-Dichloroethane	6.43	62	4161	0.024	ppbv	#	89
39) 1,2-Dichloropropane	7.31	63	876078	7.998	ppbv	#	25
41) Tetrahydrofuran	6.14	42	4399	0.042	ppbv	#	25
44) 2,2,4-Trimethylpentane	8.01	57	14225	0.029	ppbv	#	9
53) Toluene	9.96	91	959902	2.952	ppbv		98
60) o-Xylene	13.86	91	10771	0.032	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.94	105	22721	0.062	ppbv	#	73

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

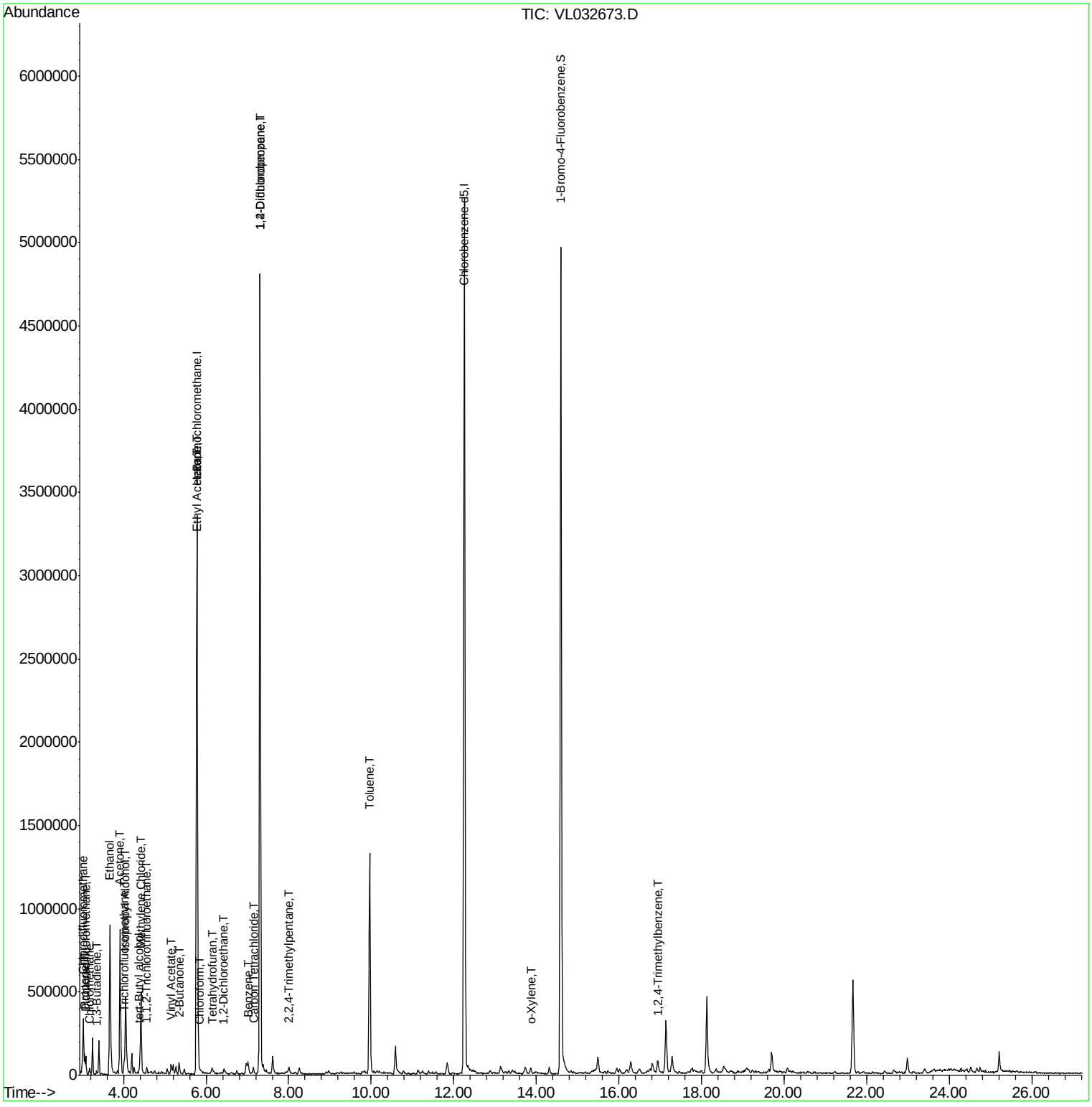
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

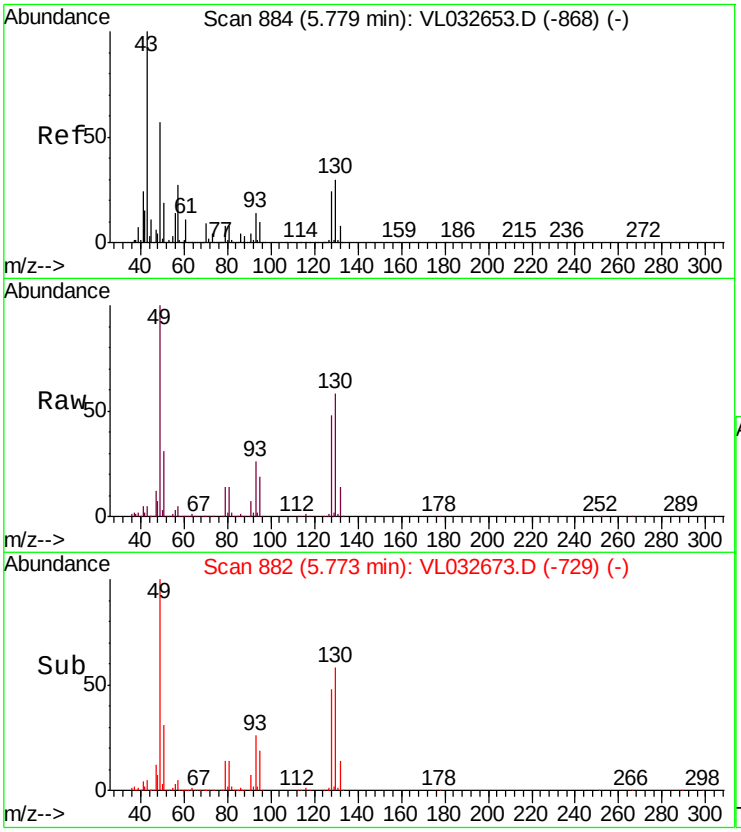
Quantitation Report (Not Reviewed)

Data File : VL032673.D
Acq On : 19 Oct 2018 7:42
Operator : SY/AP
Sample : J5581-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-3

Quant Time: Oct 19 08:17:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



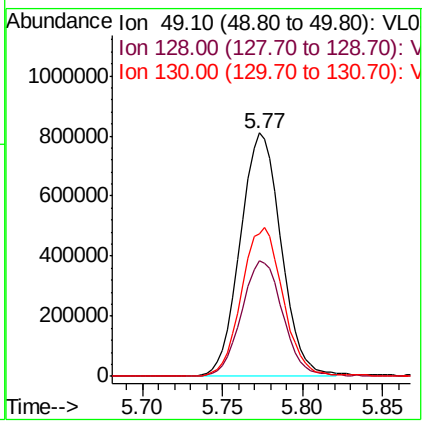


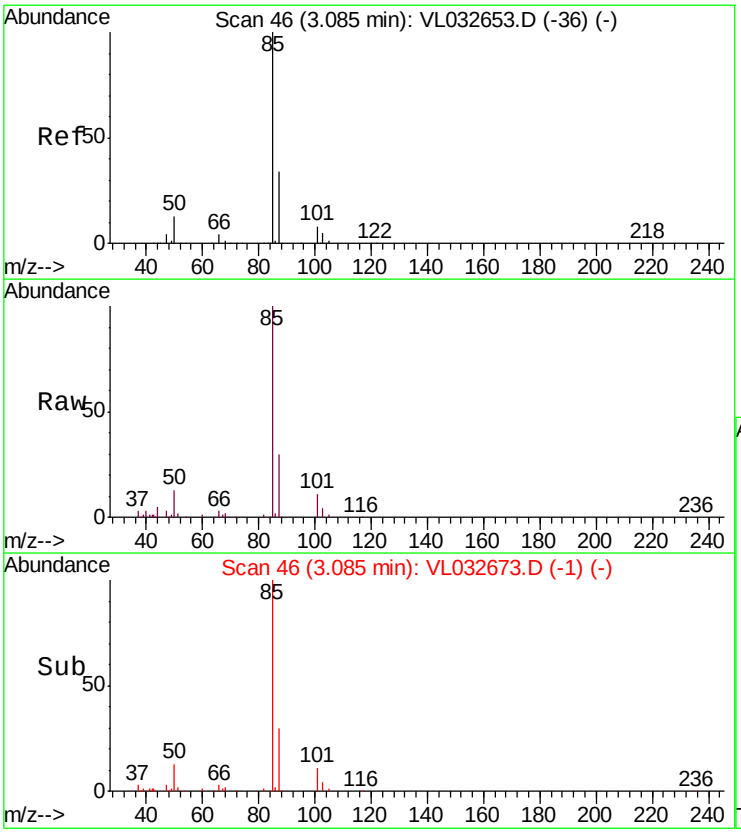
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 49 Resp: 1412811

Ion	Ratio	Lower	Upper
49	100		
128	48.4	22.3	66.8
130	62.5	28.4	85.3

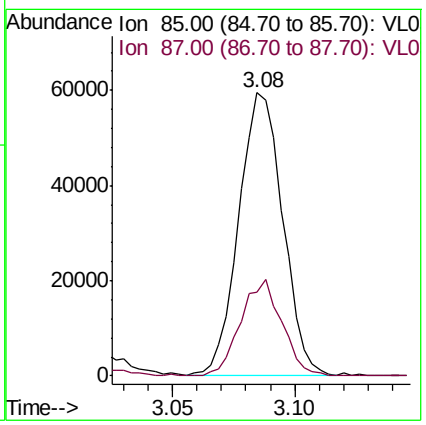


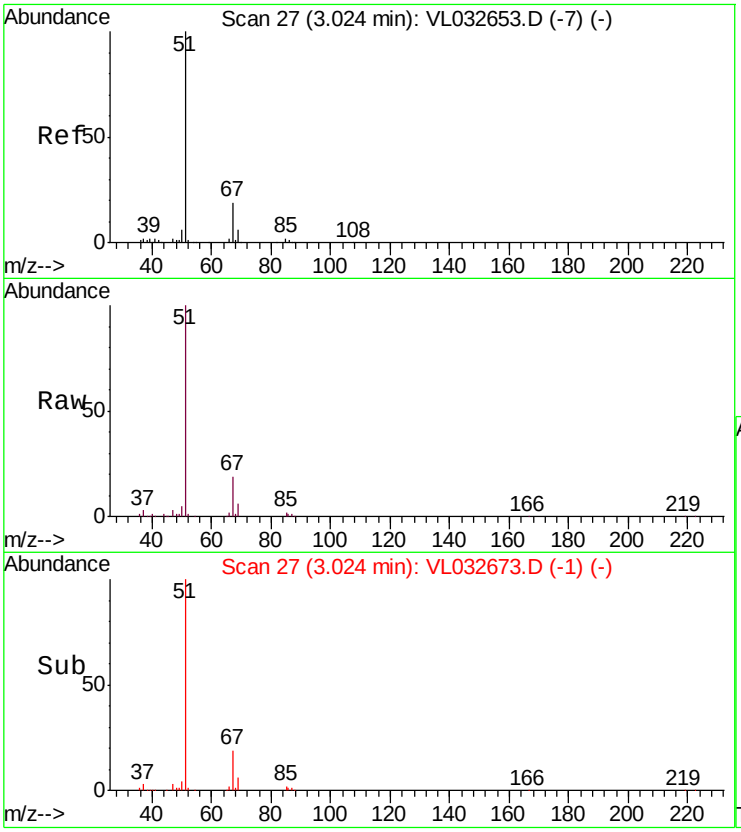


#2
Dichlorodifluoromethane
Concen: 0.513 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 85 Resp: 73816

Ion	Ratio	Lower	Upper
85	100		
87	29.8	26.2	39.2



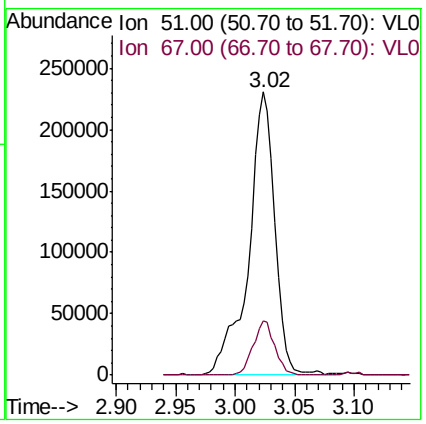


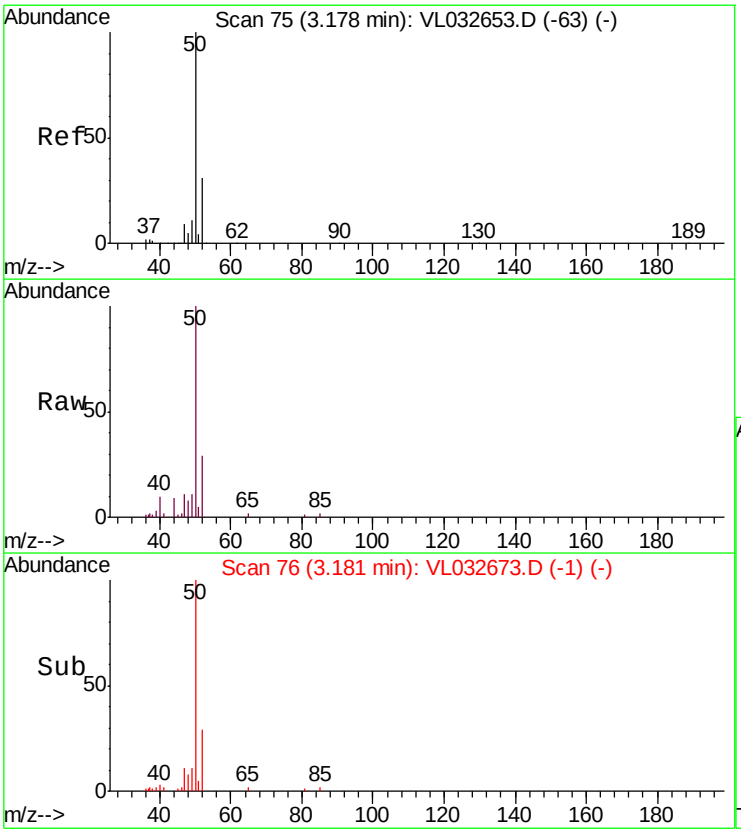
#3
Chlorodifluoromethane
Concen: 3.153 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 51 Resp: 348335

Ion	Ratio	Lower	Upper
51	100		
67	15.8	15.2	22.8

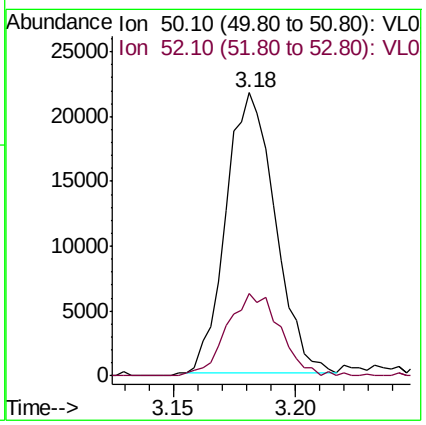


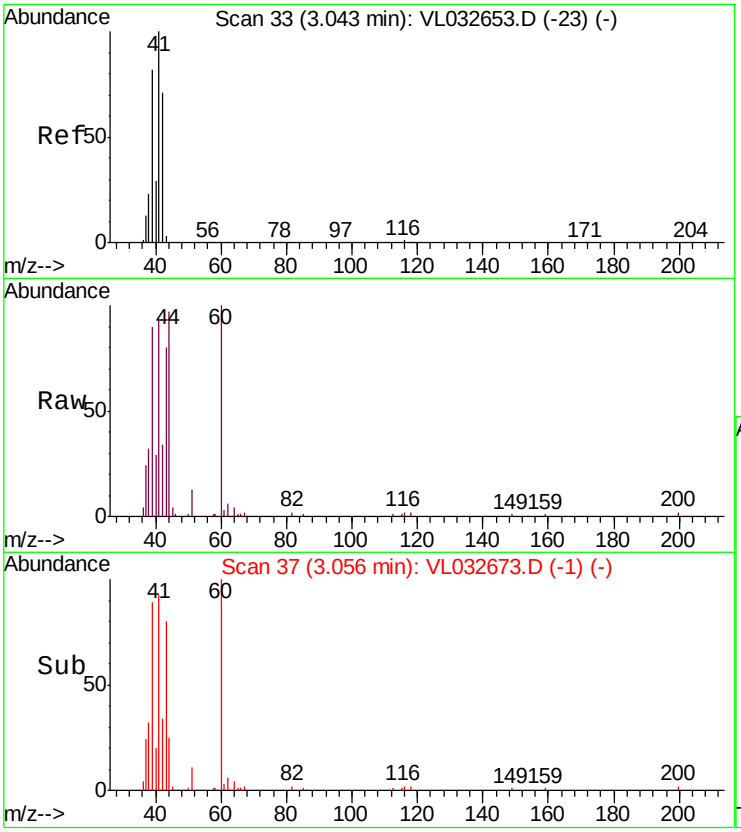


#4
Chloromethane
Concen: 0.490 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 50 Resp: 30243

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.9	38.9



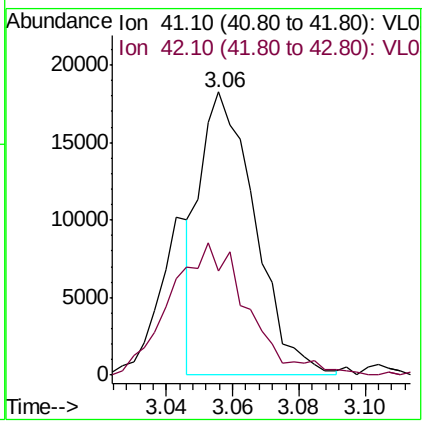


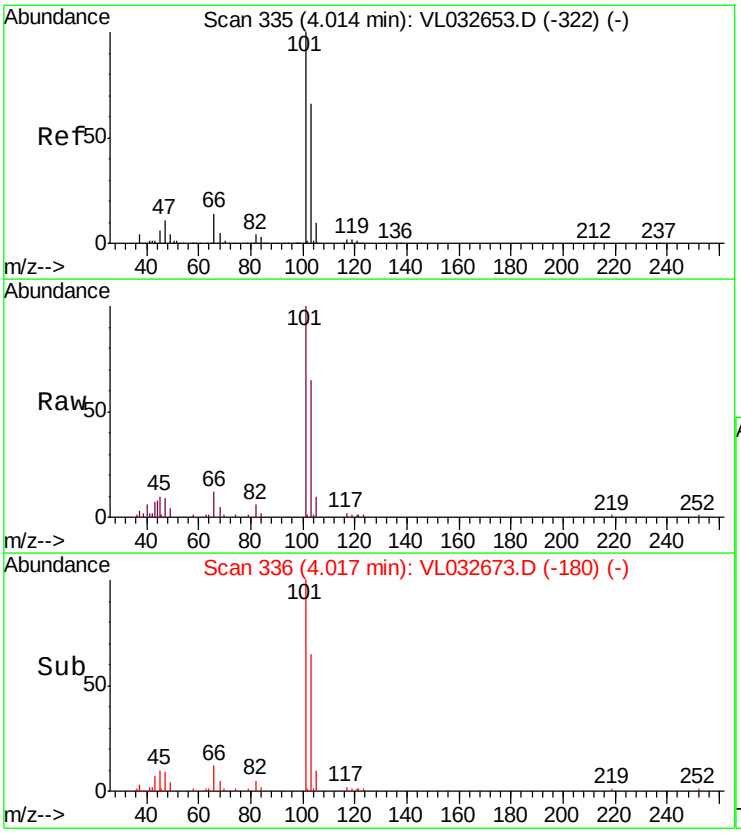
#9
Propene
Concen: 0.460 ppbv
RT: 3.06 min Scan# 37
Delta R.T. 0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 41 Resp: 20928

Ion	Ratio	Lower	Upper
41	100		
42	67.5	55.4	83.0

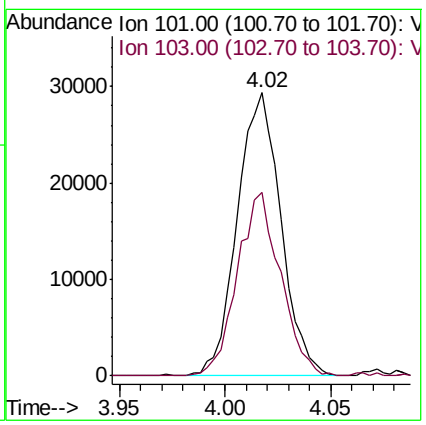


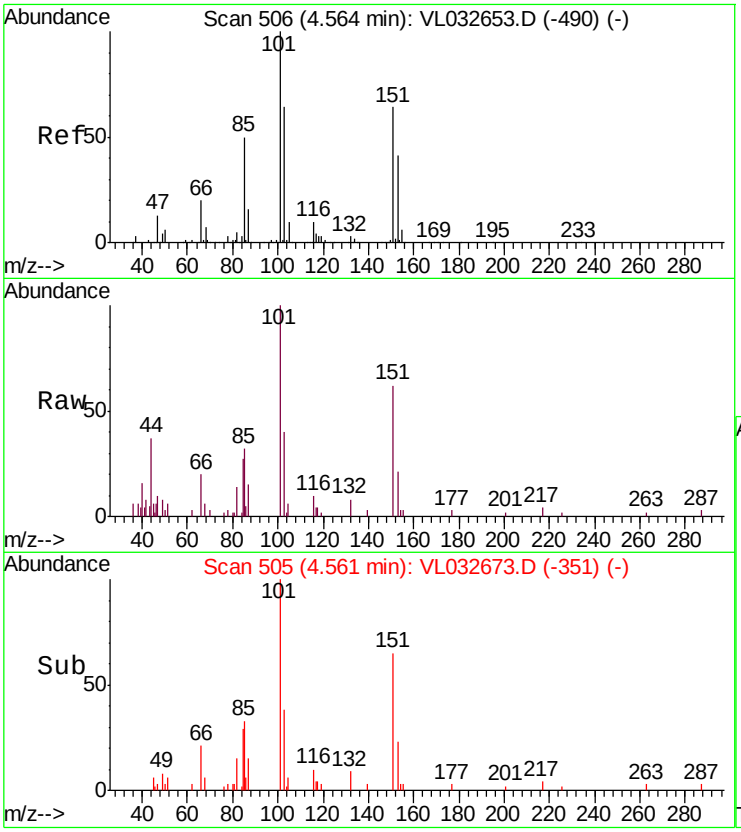


#11
Trichlorofluoromethane
Concen: 0.225 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion:101 Resp: 42278

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2



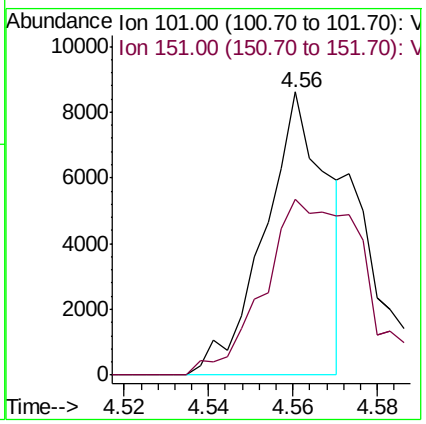


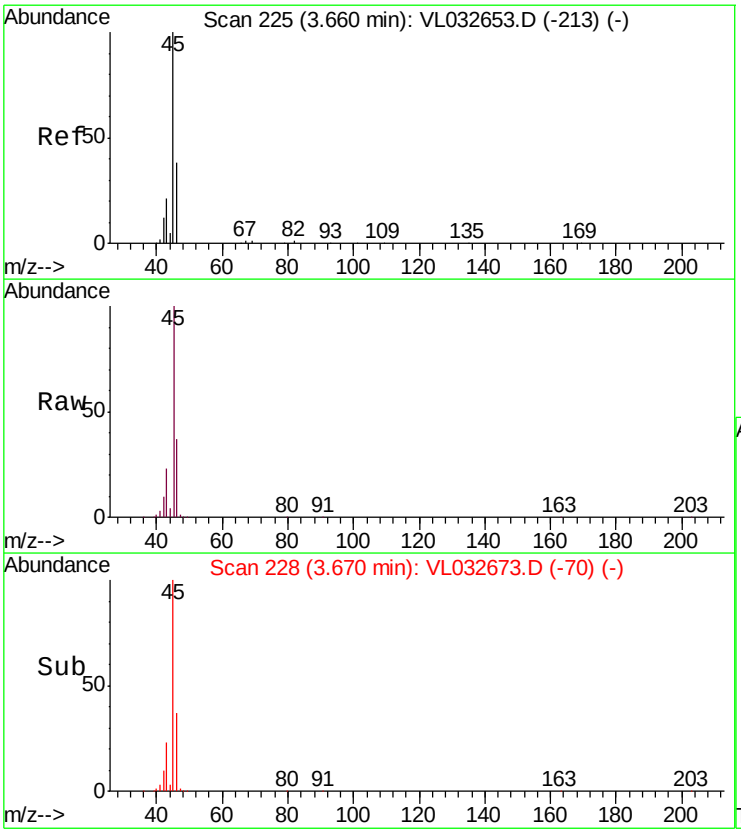
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.056 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion:101 Resp: 8831

Ion	Ratio	Lower	Upper
101	100		
151	99.4	52.3	78.5#

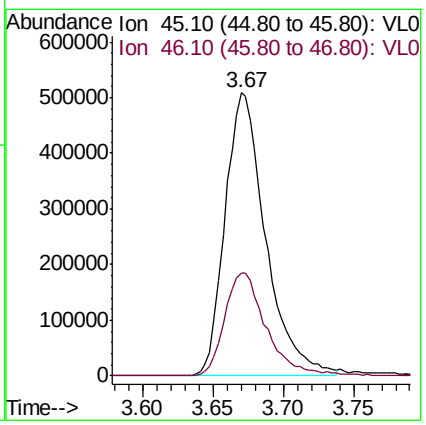


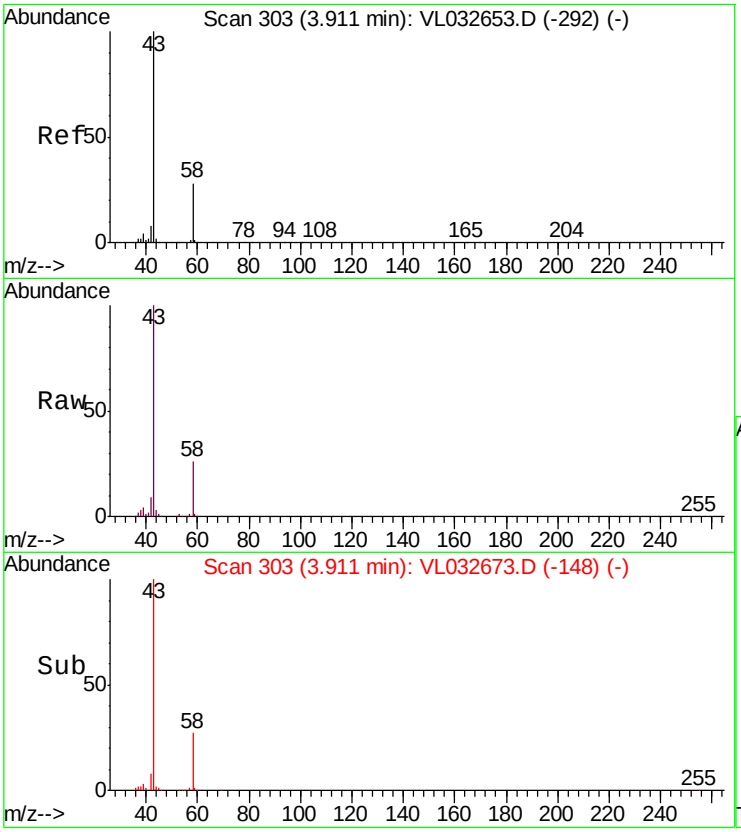


#13
Ethanol
Concen: 78.769 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 45 Resp: 1023668

Ion	Ratio	Lower	Upper
45	100		
46	37.5	15.4	61.8



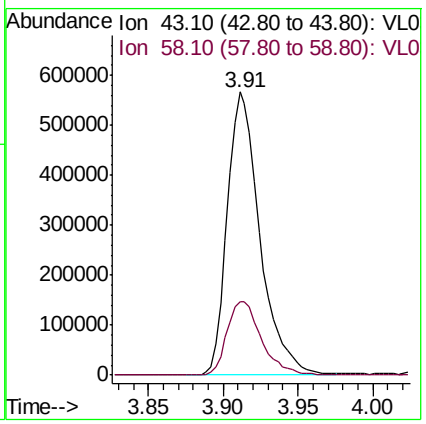


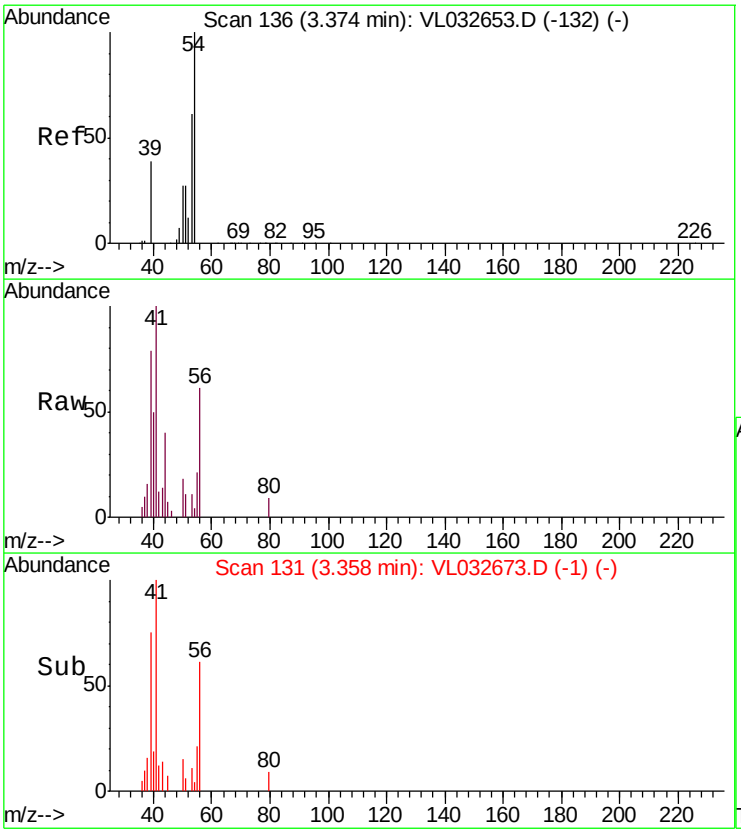
#15
Acetone
Concen: 6.616 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 43 Resp: 863074

Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.1	33.1

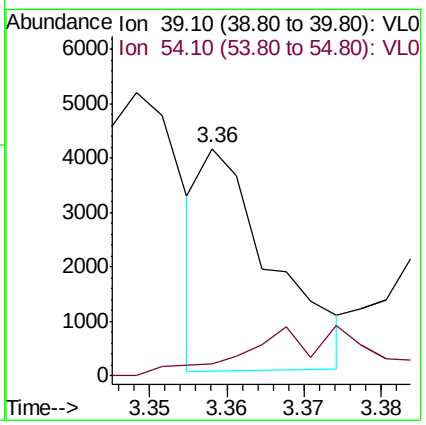


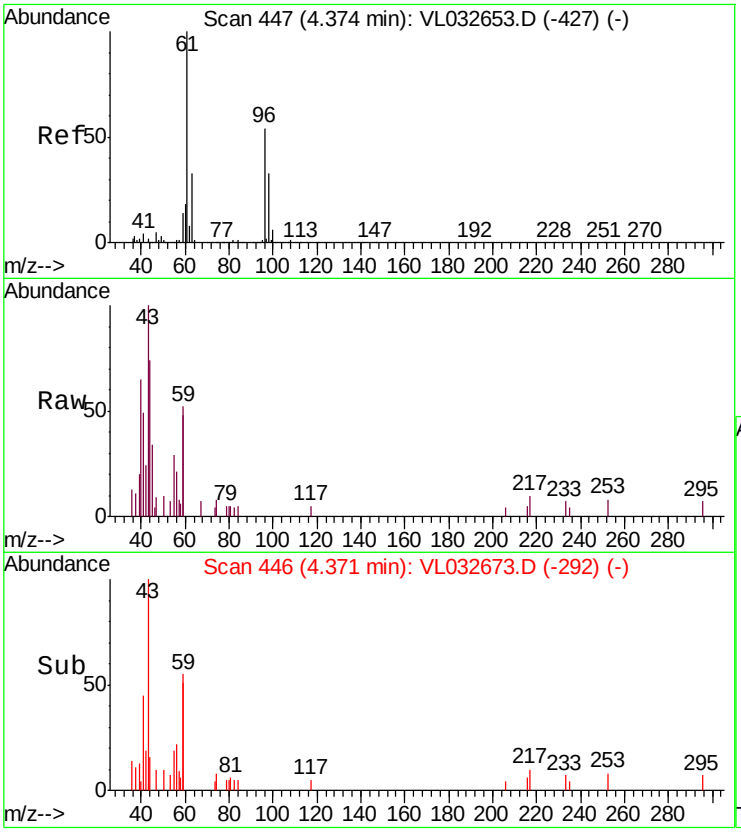


#16
1,3-Butadiene
Concen: 0.055 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.02 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 39 Resp: 2630

Ion	Ratio	Lower	Upper
39	100		
54	49.8	90.4	135.6#



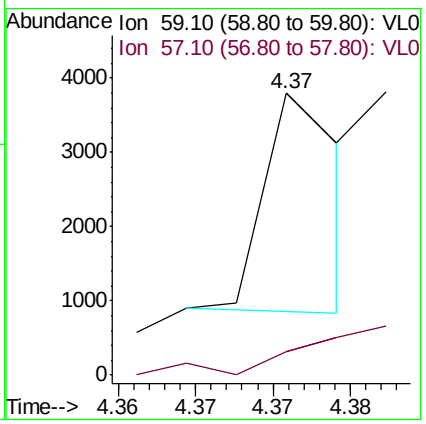


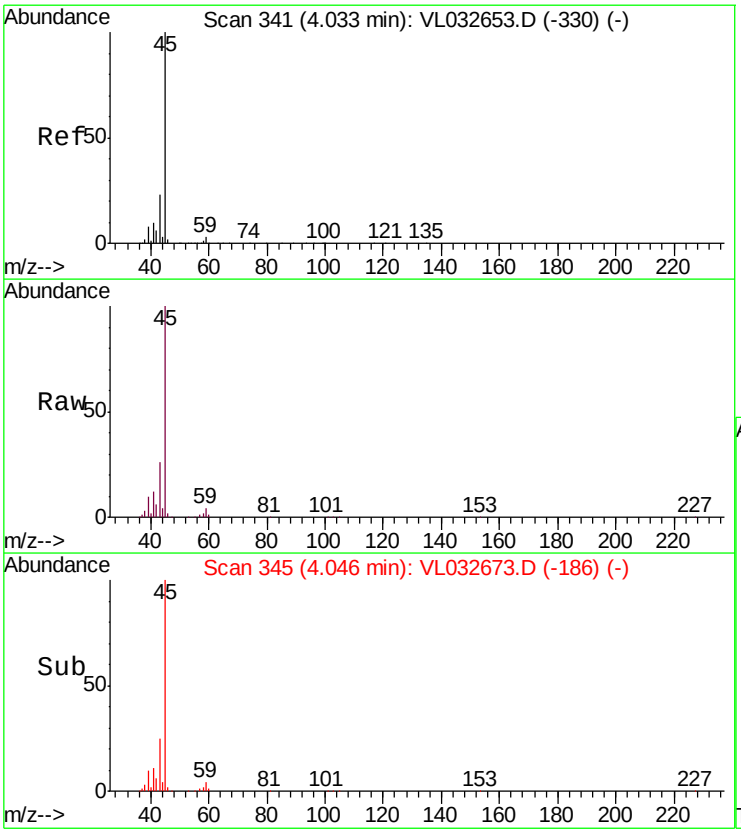
#17
tert-Butyl alcohol
Concen: 0.027 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 59 Resp: 1019

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

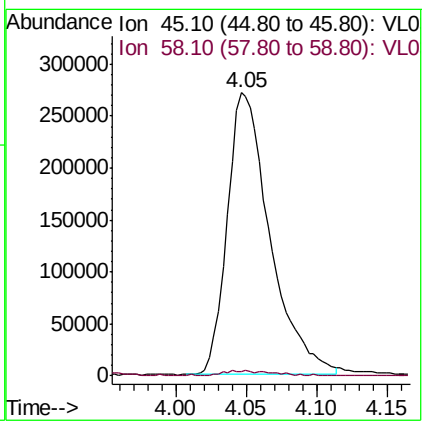


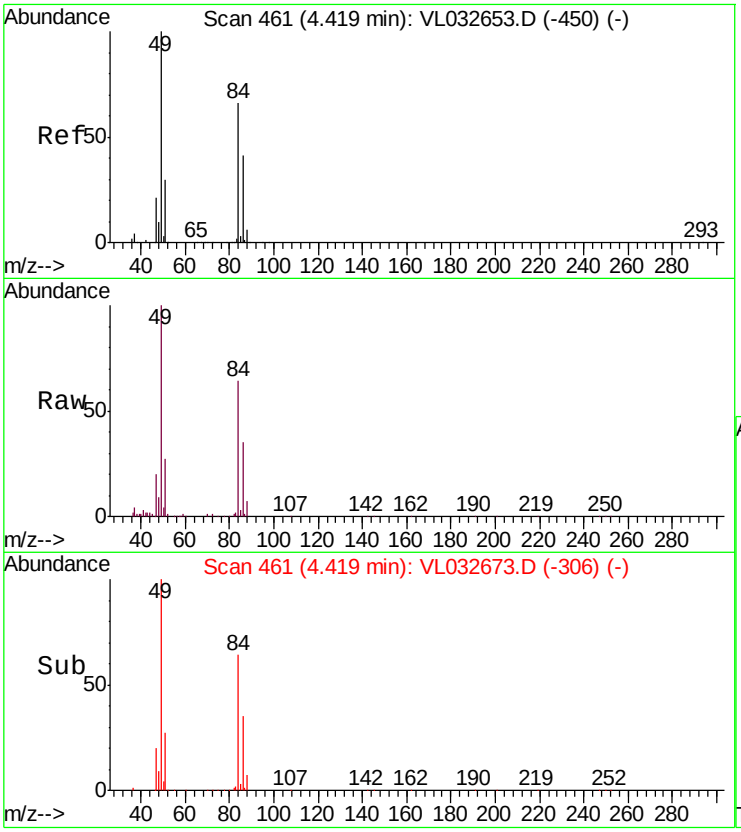


#19
Isopropyl Alcohol
Concen: 6.173 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 45 Resp: 573516

Ion	Ratio	Lower	Upper
45	100		
58	2.4	2.0	3.0



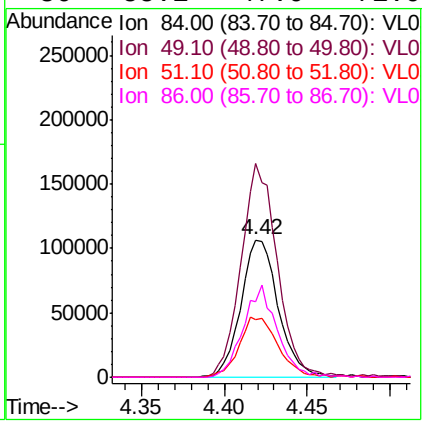


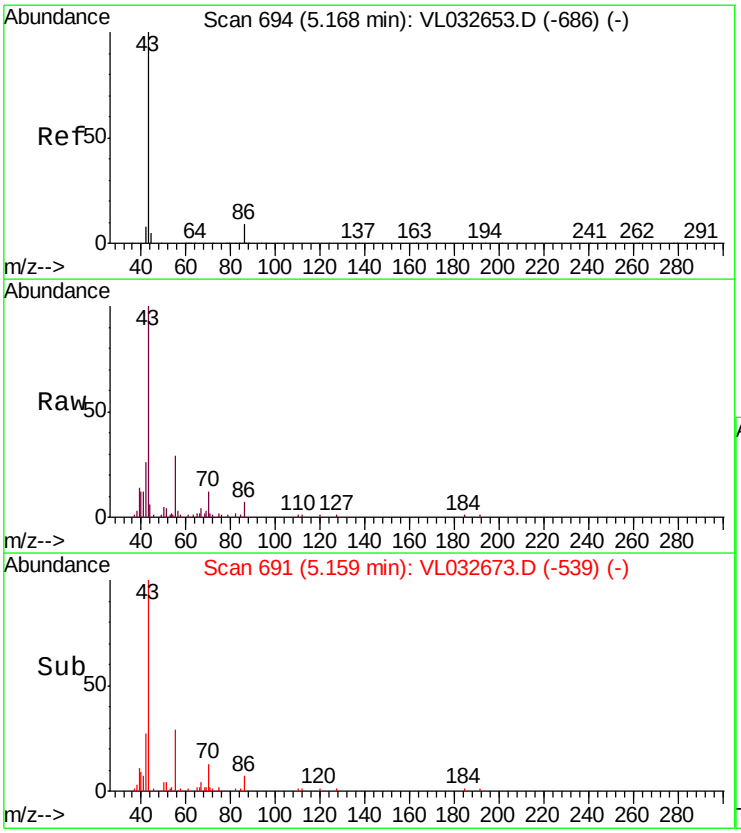
#20
Methylene Chloride
Concen: 2.524 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 84 Resp: 167171

Ion	Ratio	Lower	Upper
84	100		
49	155.2	113.5	170.3
51	41.8	34.8	52.2
86	55.1	47.9	71.9

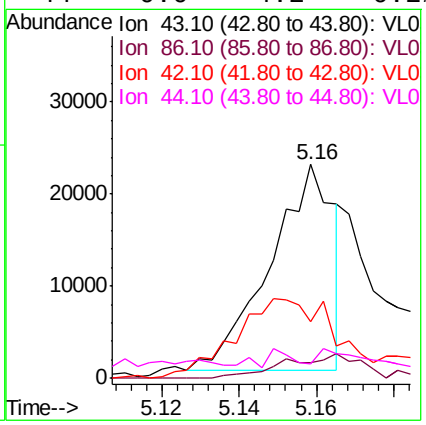


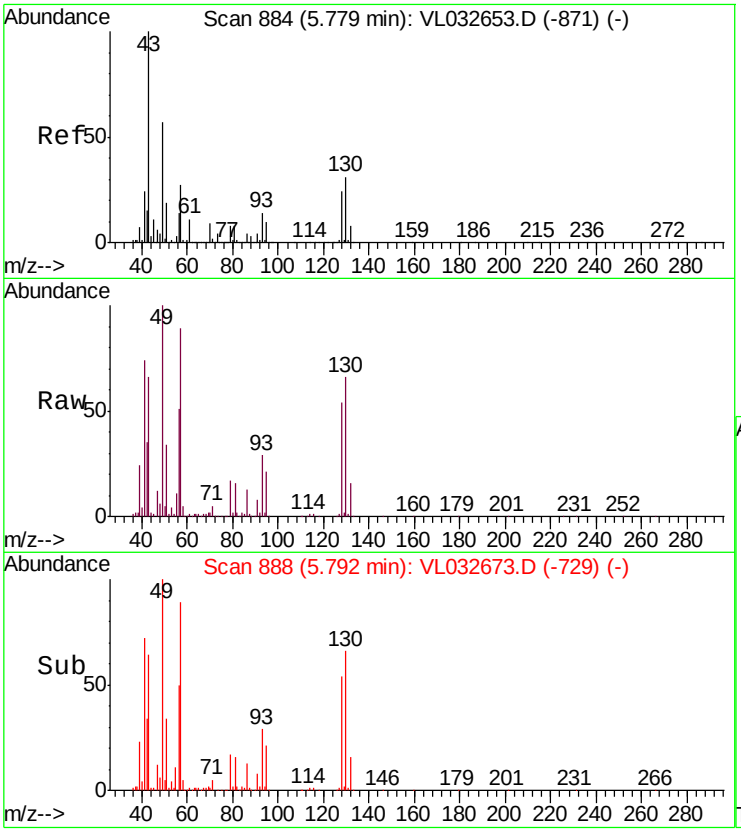


#23
Vinyl Acetate
Concen: 0.111 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 43 Resp: 25593

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.1	9.1
42	23.6	7.4	11.2#
44	0.0	4.2	6.2#



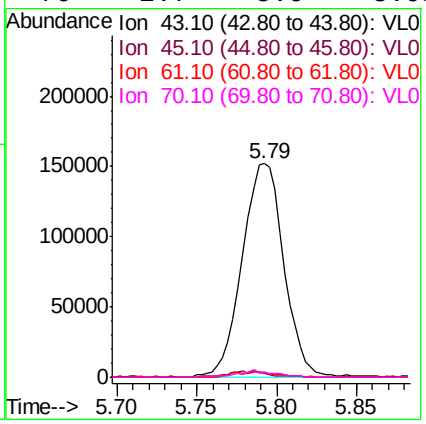


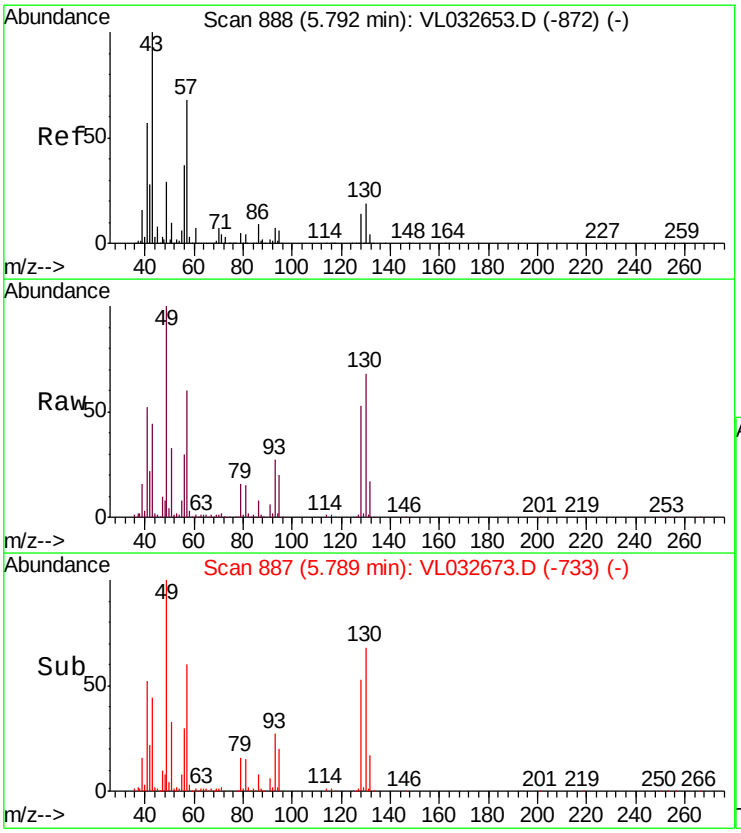
#25
Ethyl Acetate
Concen: 0.900 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 43 Resp: 270277

Ion	Ratio	Lower	Upper
43	100		
45	3.4	8.0	12.0#
61	2.5	8.0	12.0#
70	2.7	5.9	8.9#

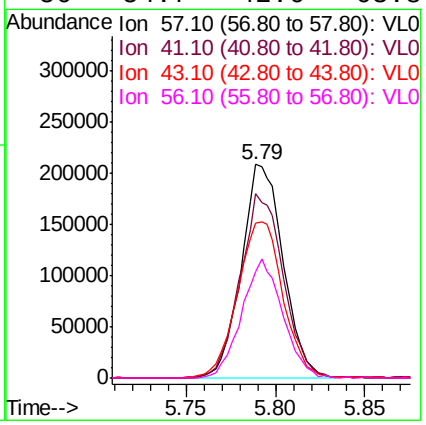


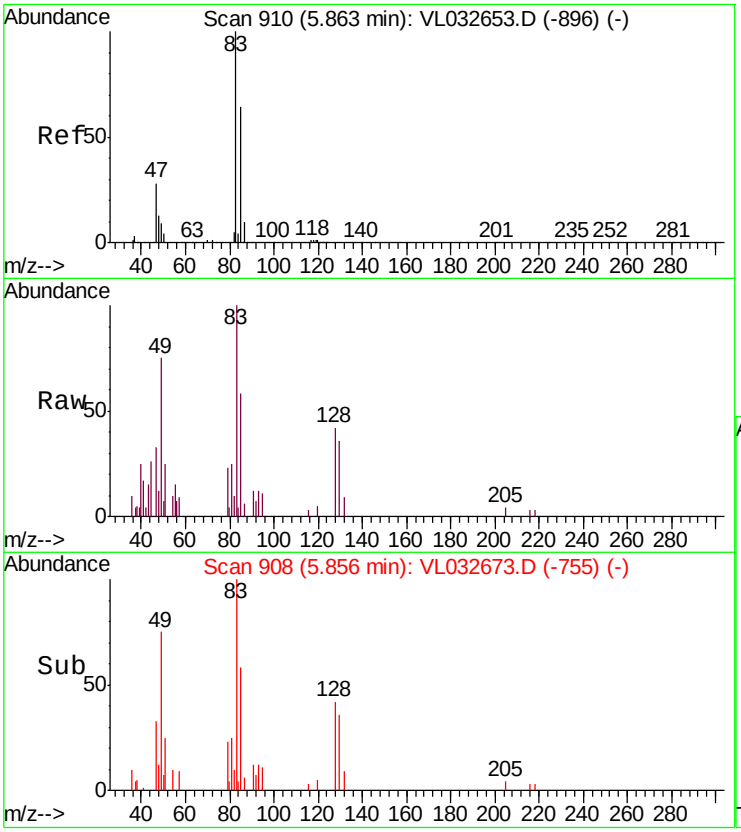


#26
Hexane
Concen: 2.396 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 57 Resp: 340479

Ion	Ratio	Lower	Upper
57	100		
41	90.0	67.4	101.0
43	80.1	171.9	257.9#
56	54.7	42.6	63.8



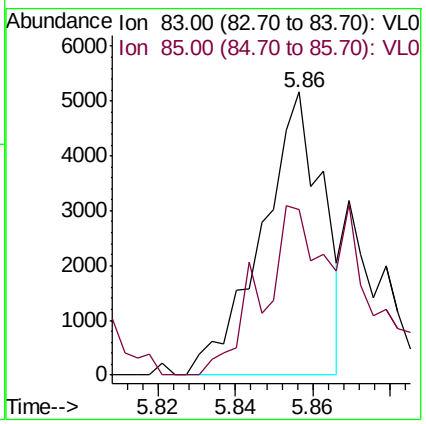


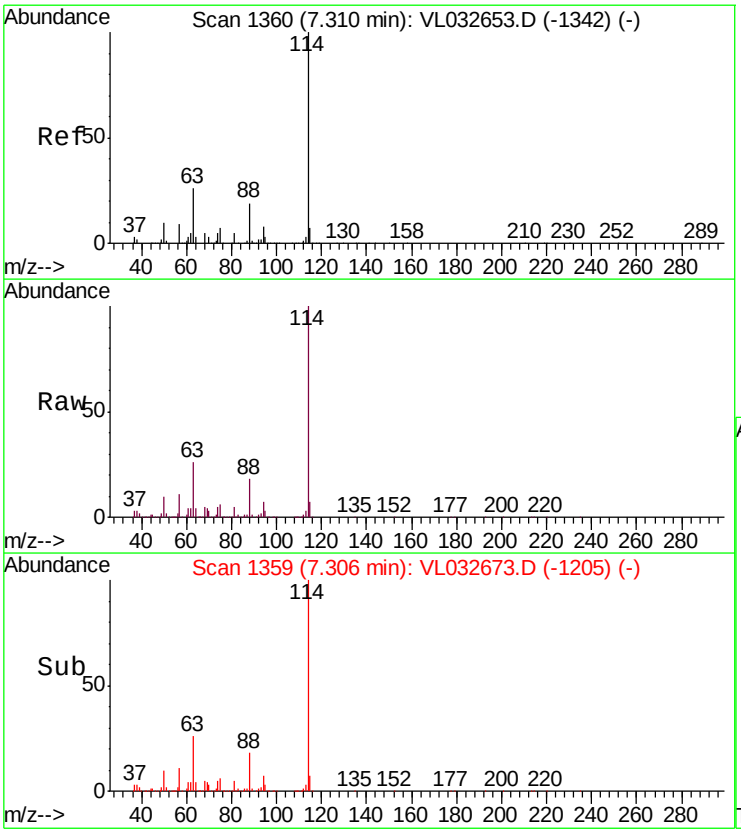
#29
Chloroform
Concen: 0.025 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 83 Resp: 5652

Ion	Ratio	Lower	Upper
83	100		
85	58.4	53.0	79.6

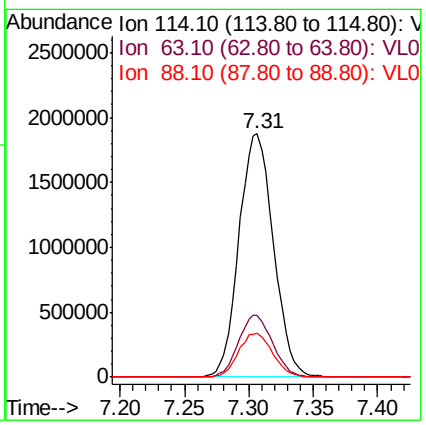


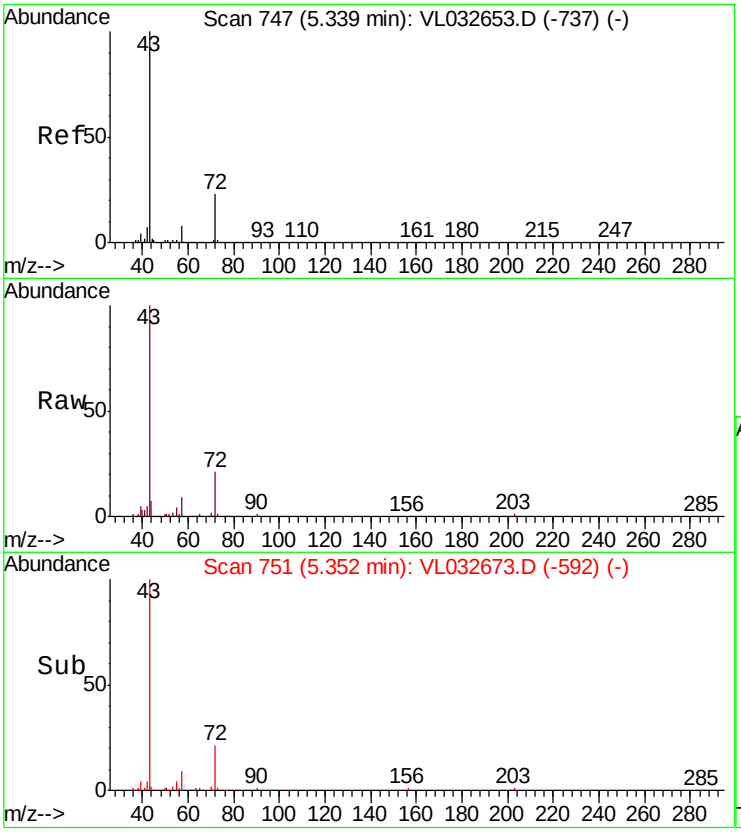


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion:114 Resp: 3493238

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.0	14.9	22.3



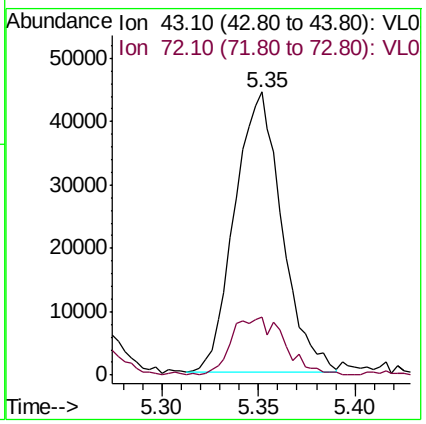


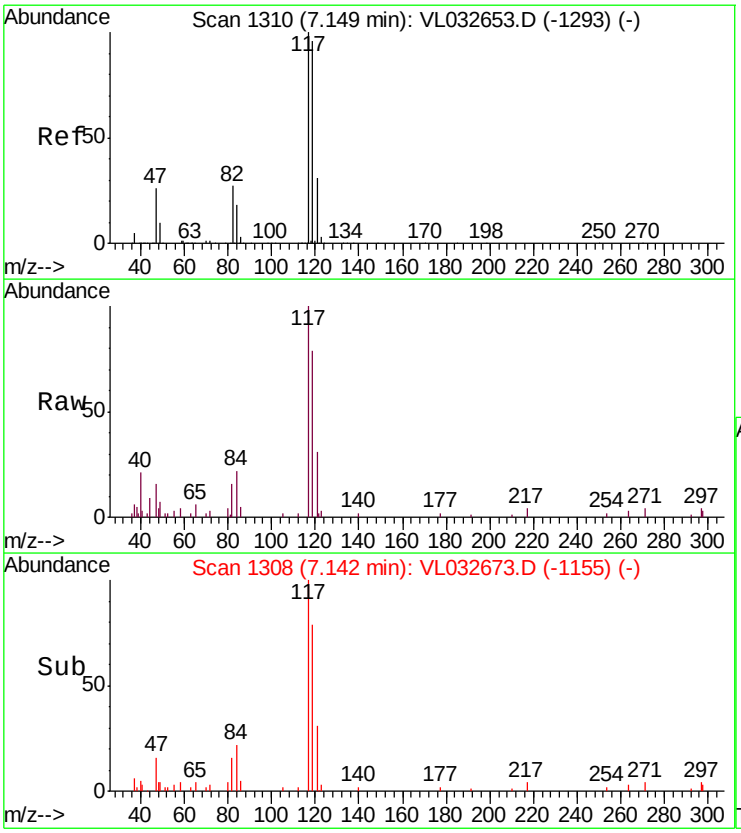
#34
2-Butanone
Concen: 0.400 ppbv
RT: 5.35 min Scan# 751
Delta R.T. 0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 43 Resp: 74872

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	27.8

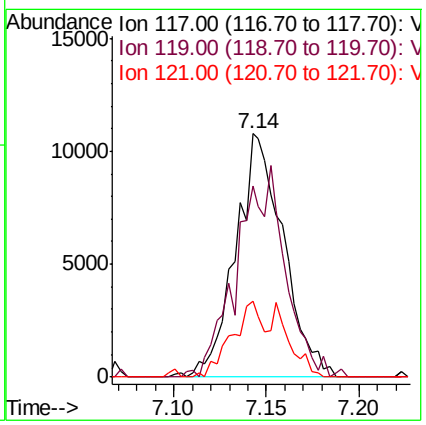


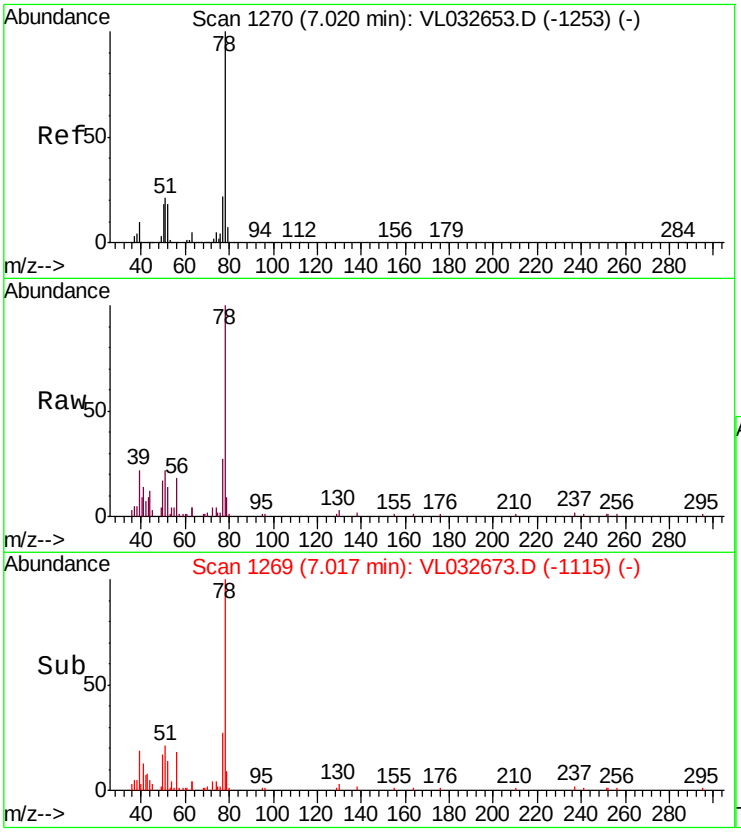


#35
Carbon Tetrachloride
Concen: 0.077 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion:117 Resp: 19203

Ion	Ratio	Lower	Upper
117	100		
119	76.9	75.7	113.5
121	33.0	24.7	37.1



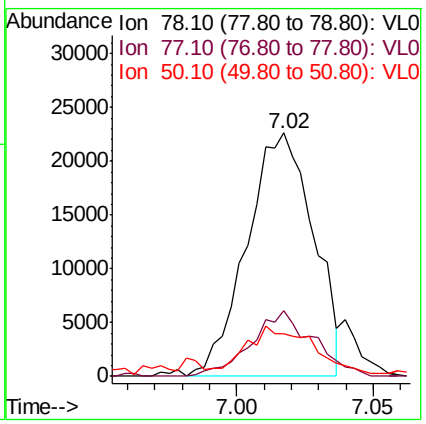


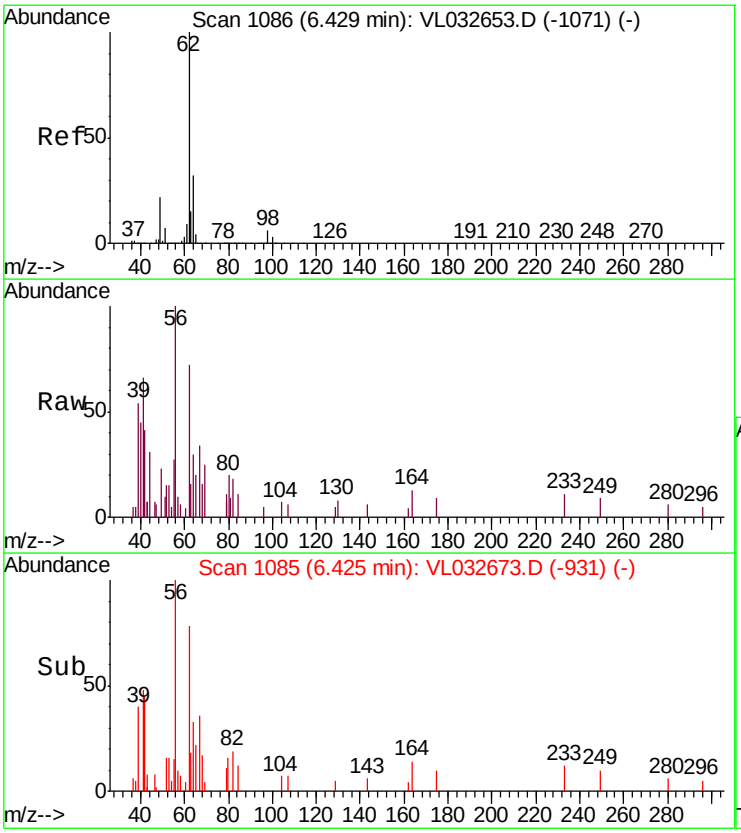
#36
Benzene
Concen: 0.135 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 78 Resp: 38346

Ion	Ratio	Lower	Upper
78	100		
77	26.8	18.1	27.1
50	8.2	15.1	22.7#

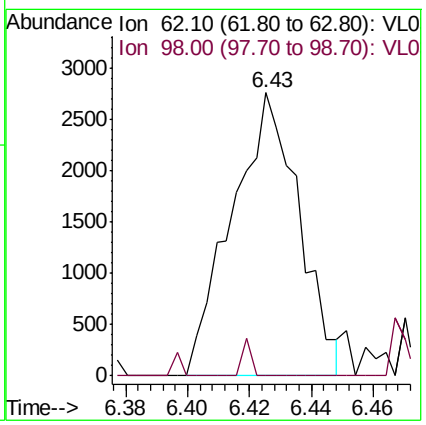


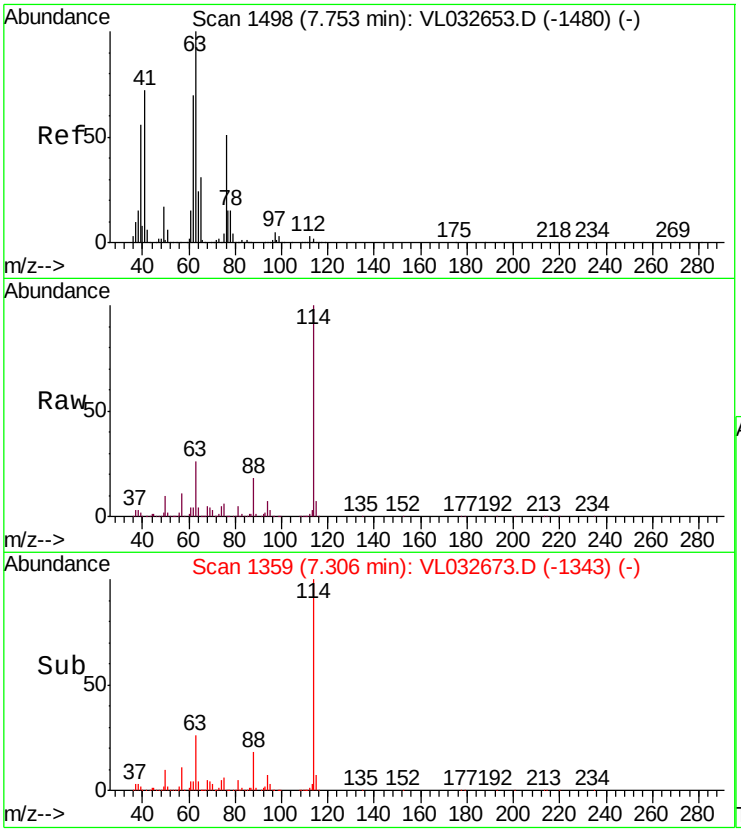


#37
1,2-Dichloroethane
Concen: 0.024 ppbv
RT: 6.43 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 62 Resp: 4161

Ion	Ratio	Lower	Upper
62	100		
98	1.7	4.4	6.6#



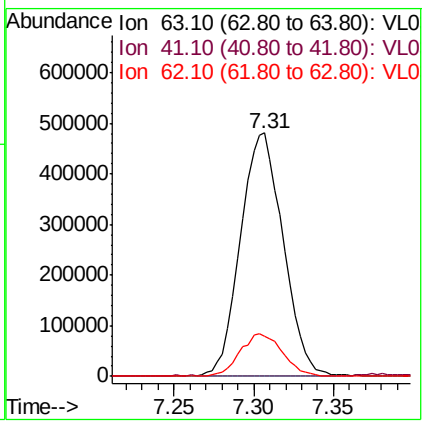


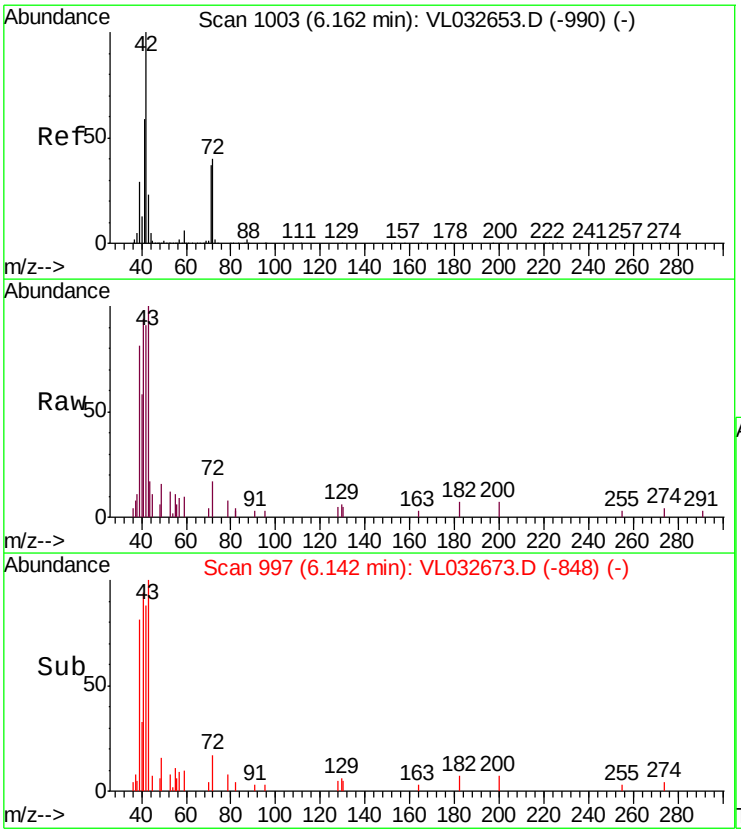
#39
1,2-Dichloropropane
Concen: 7.998 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.45 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 63 Resp: 876078

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	16.5	54.4	81.6#

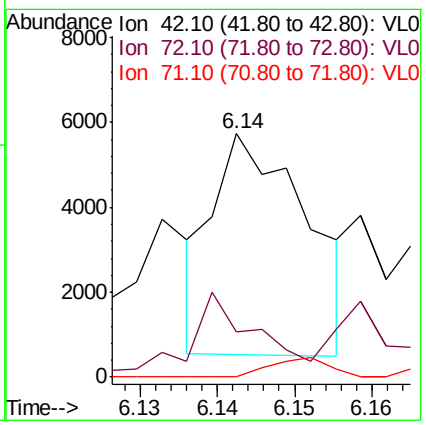


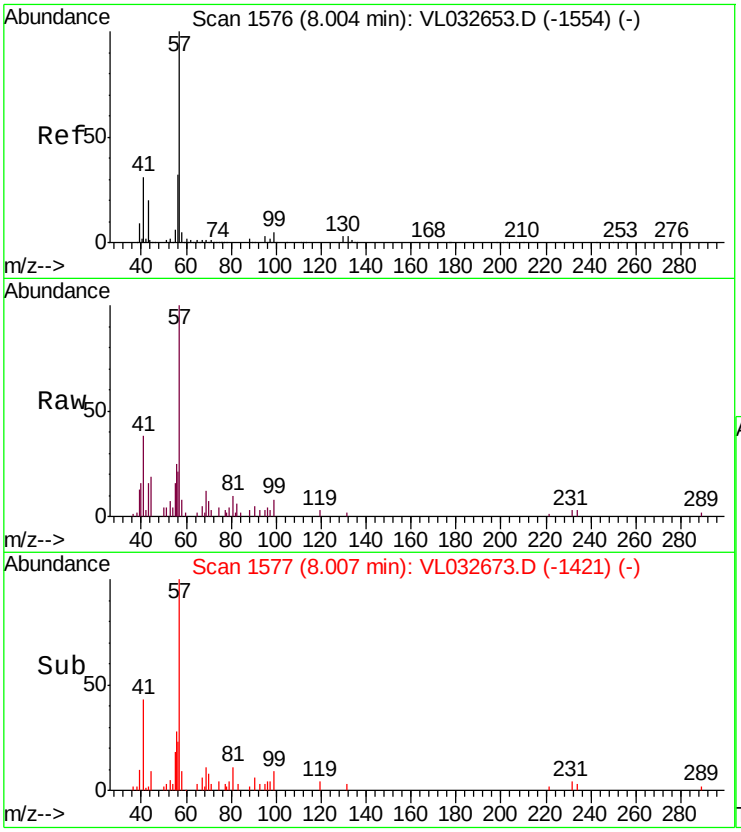


#41
Tetrahydrofuran
Concen: 0.042 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.02 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 42 Resp: 4399

Ion	Ratio	Lower	Upper
42	100		
72	93.3	32.4	48.6#
71	0.0	31.3	46.9#



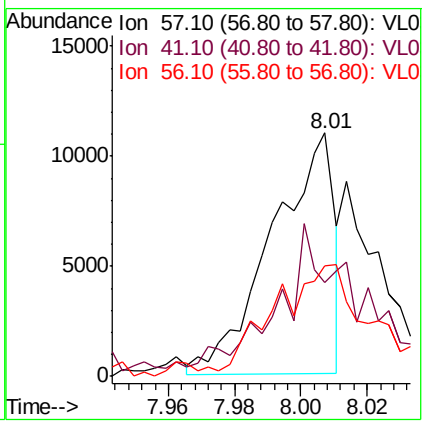


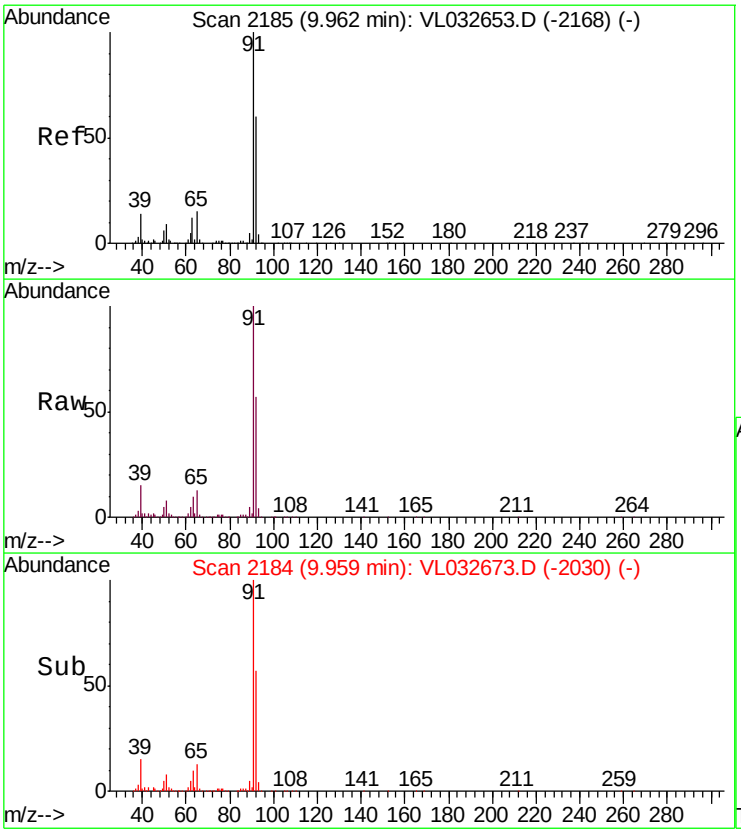
#44
2,2,4-Trimethylpentane
Concen: 0.029 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion: 57 Resp: 14225

Ion	Ratio	Lower	Upper
57	100		
41	100.4	24.7	37.1#
56	0.0	25.0	37.4#

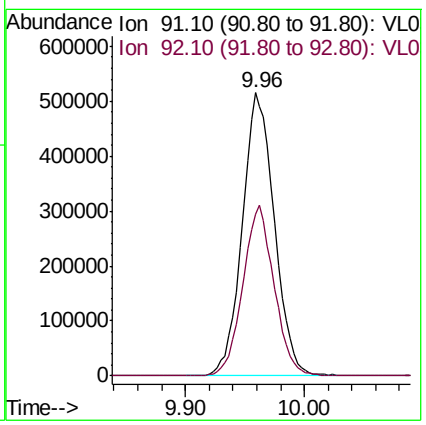


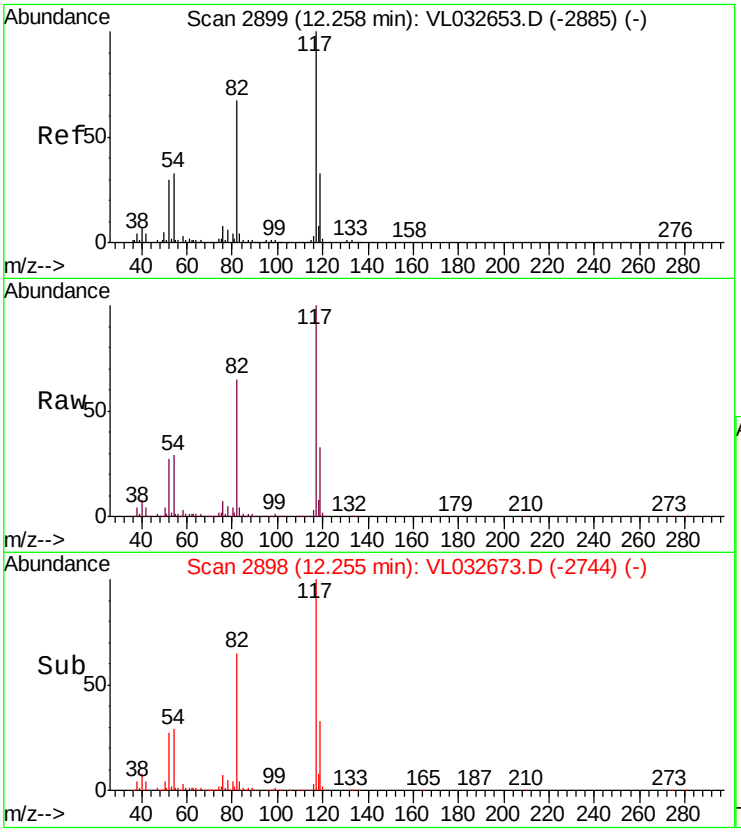


#53
Toluene
Concen: 2.952 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 91 Resp: 959902

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.4	72.6



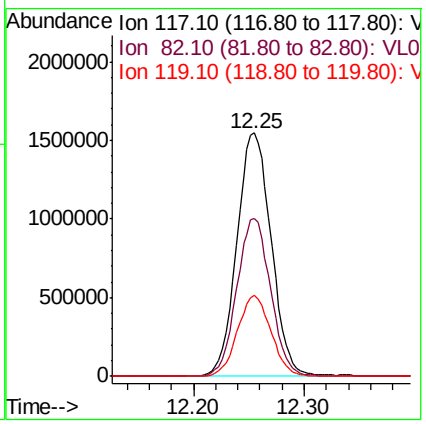


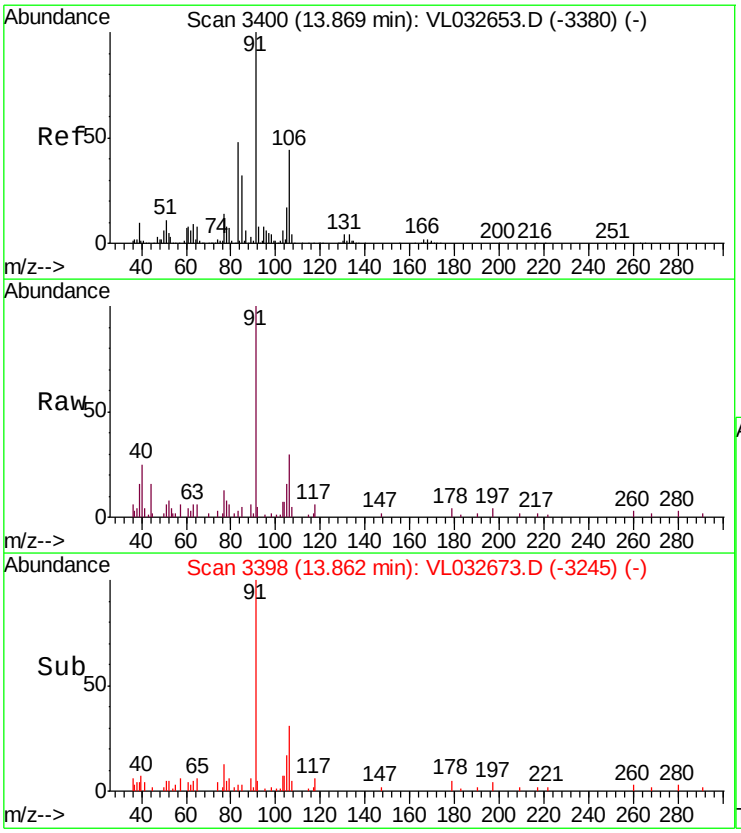
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument : MSVOA_L
ClientSampleId : A-3

Tgt Ion:117 Resp: 3335682

Ion	Ratio	Lower	Upper
117	100		
82	64.4	52.7	79.1
119	32.5	26.7	40.1

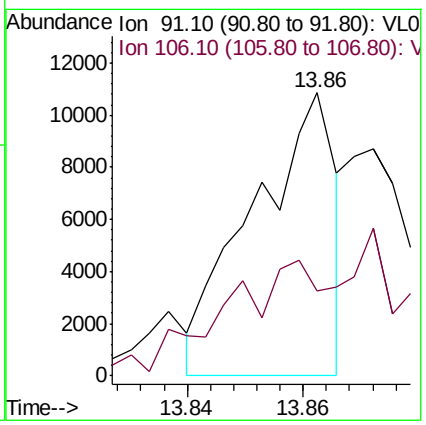


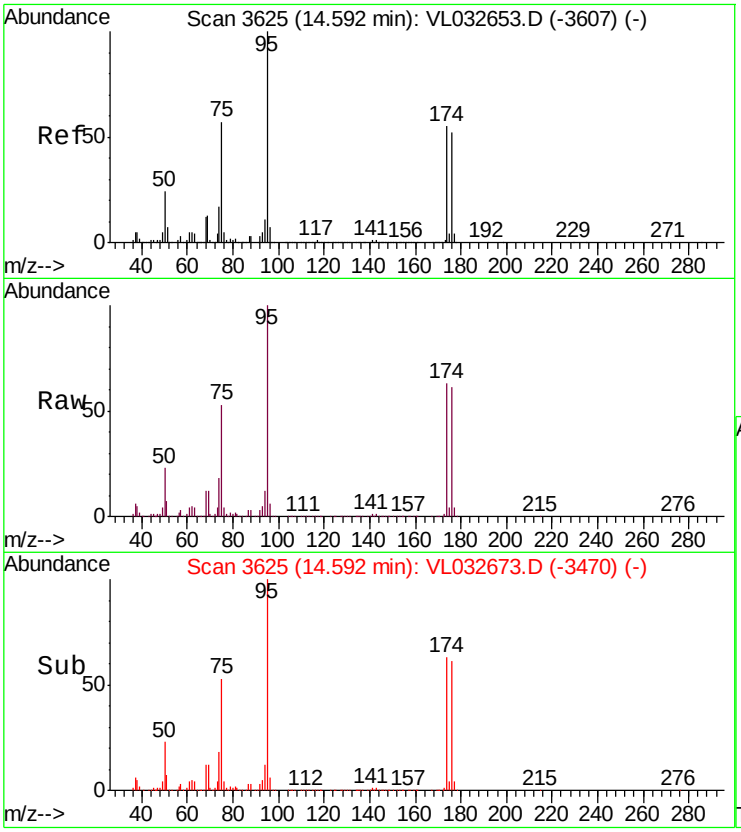


#60
o-Xylene
Concen: 0.032 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion: 91 Resp: 10771

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.1	66.1#



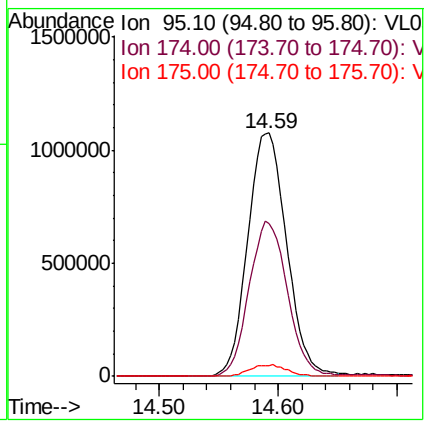


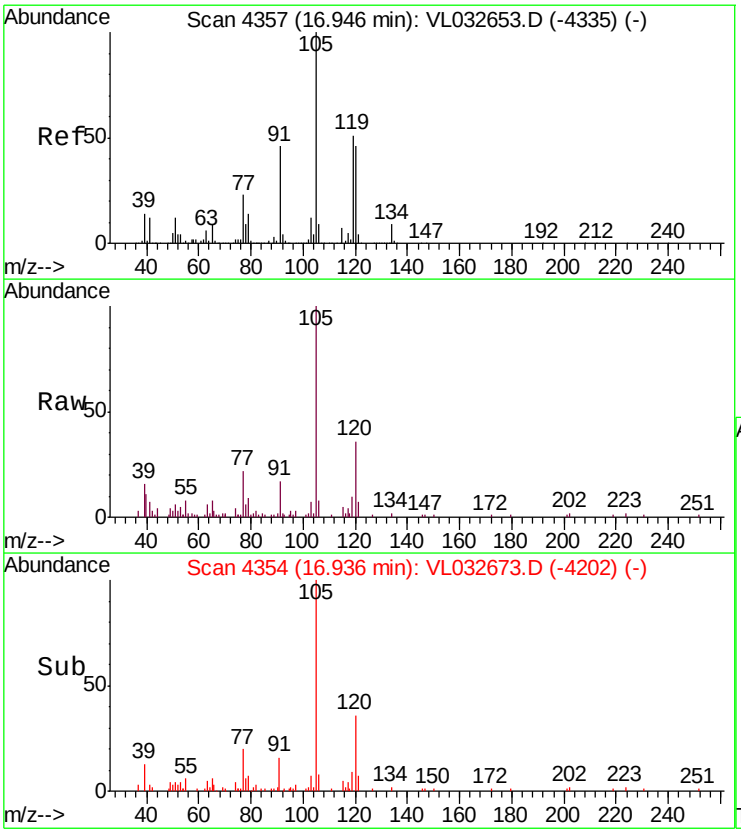
#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Instrument :
MSVOA_L
ClientSampleId :
A-3

Tgt Ion: 95 Resp: 2437547

Ion	Ratio	Lower	Upper
95	100		
174	64.0	46.0	69.0
175	4.6	3.4	5.0





#74
1,2,4-Trimethylbenzene
Concen: 0.062 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL032673.D
Acq: 19 Oct 2018 7:42

Tgt Ion:105 Resp: 22721

Ion	Ratio	Lower	Upper
105	100		
120	32.6	35.8	53.8#
91	15.3	33.2	49.8#
77	12.7	16.2	24.4#