Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033548.D
Acq On : 5 Apr 2019 00:53
Operator : SY/AP
Sample : K2211-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Quant Time: Apr 05 02:01:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	962710	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1961368	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2375404	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1988414	10.68	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	75399	0.537	ppbv		90
3) Chlorodifluoromethane	3.01	51	48676	0.439	ppbv	#	89
4) Chloromethane	3.17	50	27187	0.464	ppbv		98
5) Vinyl Chloride	3.04	62	1965	0.034	ppbv	#	69
9) Propene	3.24	41	144908	3.113	ppbv		95
10) Heptane	8.24	43	5519	0.044	ppbv	#	27
11) Trichlorofluoromethane	4.00	101	37514	0.217	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	7717	0.066	ppbv		91
13) Ethanol	3.69	45	10379283	861.744	ppbv	#	18
15) Acetone	3.90	43	701227	6.058	ppbv		99
16) 1,3-Butadiene	3.35	39	4074	0.089	ppbv	#	6
17) tert-Butyl alcohol	4.41	59	97243	4.569	ppbv	#	92
19) Isopropyl Alcohol	4.06	45	218307	2.982	ppbv	#	1
20) Methylene Chloride	4.41	84	255196	5.194	ppbv		96
21) Allyl Chloride	4.43	41	8792	0.120	ppbv	#	18
23) Vinyl Acetate	5.14	43	23171	0.141	ppbv	#	26
25) Ethyl Acetate	5.78	43	181277	0.844	ppbv	#	86
26) Hexane	5.78	57	200572	2.100	ppbv	#	48
34) 2-Butanone	5.33	43	28633	0.243	ppbv		98
36) Benzene	7.00	78	32229	0.196	ppbv		96
39) 1,2-Dichloropropane	7.29	63	518627	8.045	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.98	57	17752	0.062	ppbv	#	1
52) Tetrachloroethene	11.37	164	24078	0.388	ppbv		95
53) Toluene	9.94	91	1821124	9.523	ppbv		100
59) m/p-Xylene	13.14	91	10216	0.036	ppbv	#	100
60) o-Xylene	13.84	91	10344	0.038	ppbv	#	62

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

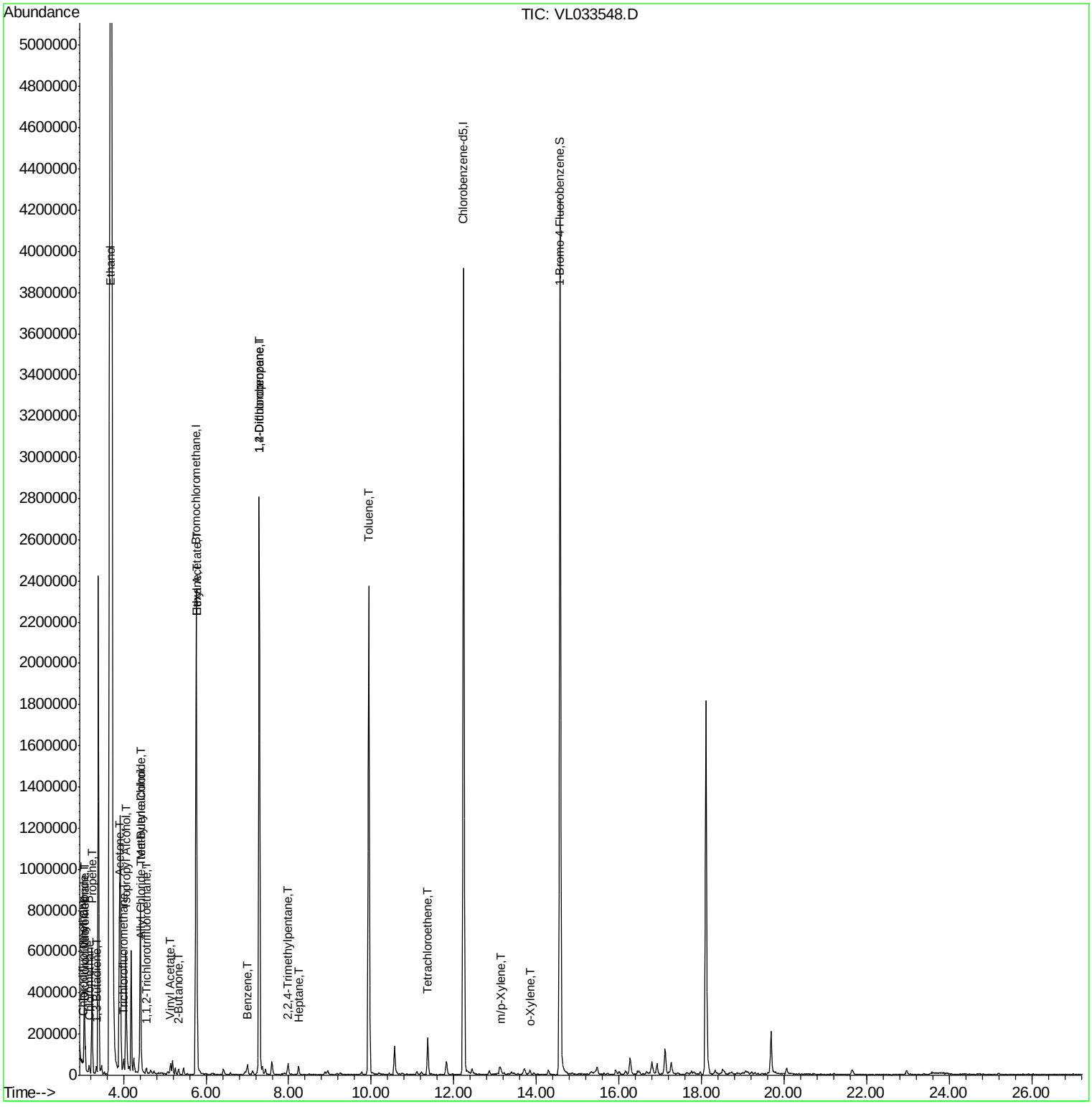
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

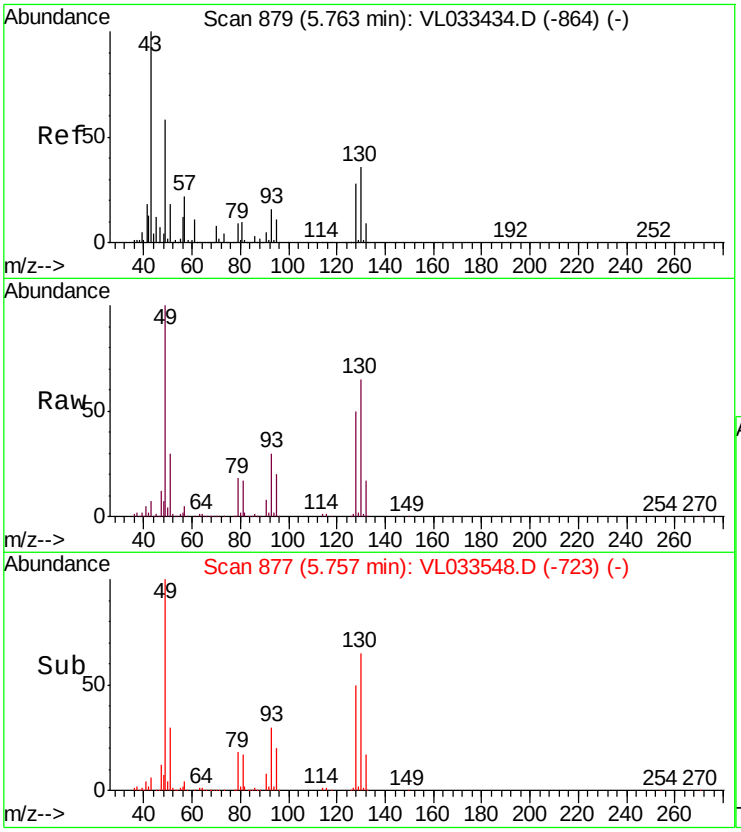
Quantitation Report (Not Reviewed)

Data File : VL033548.D
Acq On : 5 Apr 2019 00:53
Operator : SY/AP
Sample : K2211-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Quant Time: Apr 05 02:01:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



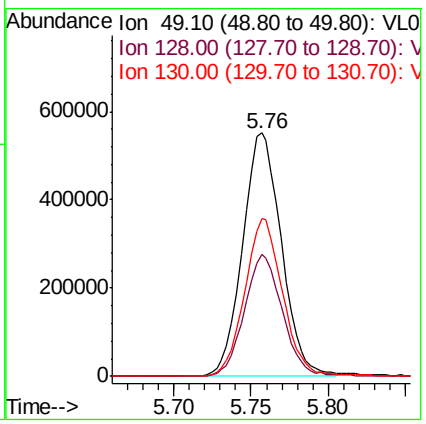


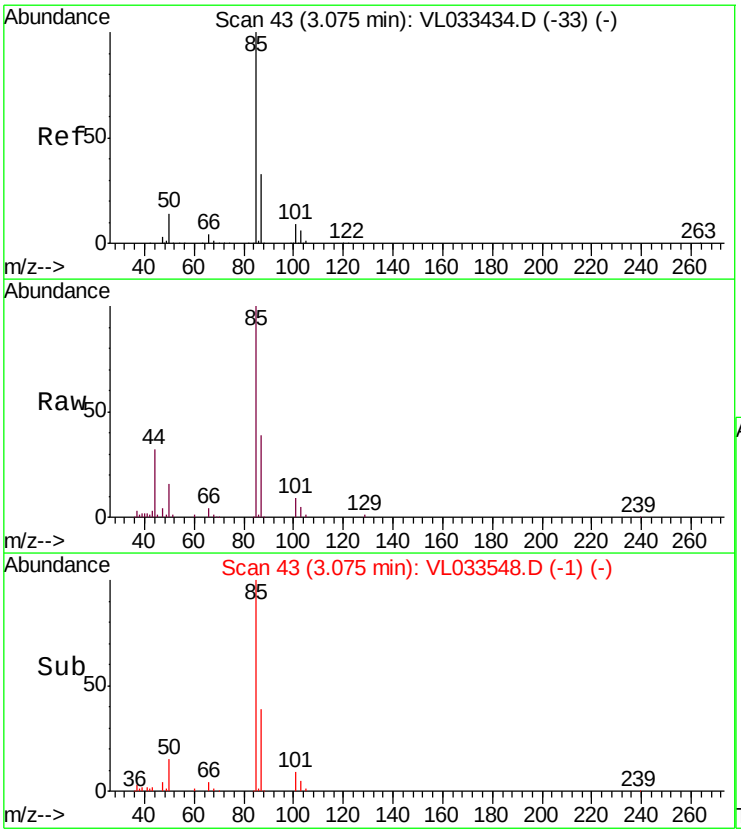
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 49 Resp: 962710

Ion	Ratio	Lower	Upper
49	100		
128	48.9	24.0	72.0
130	63.7	31.2	93.6

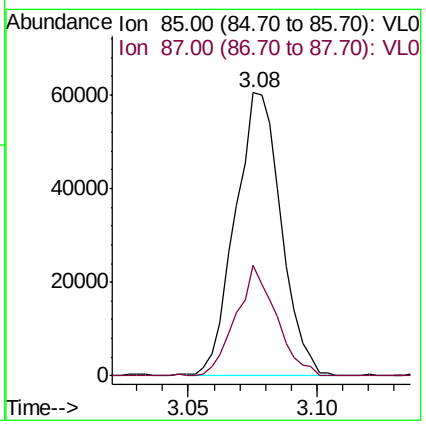


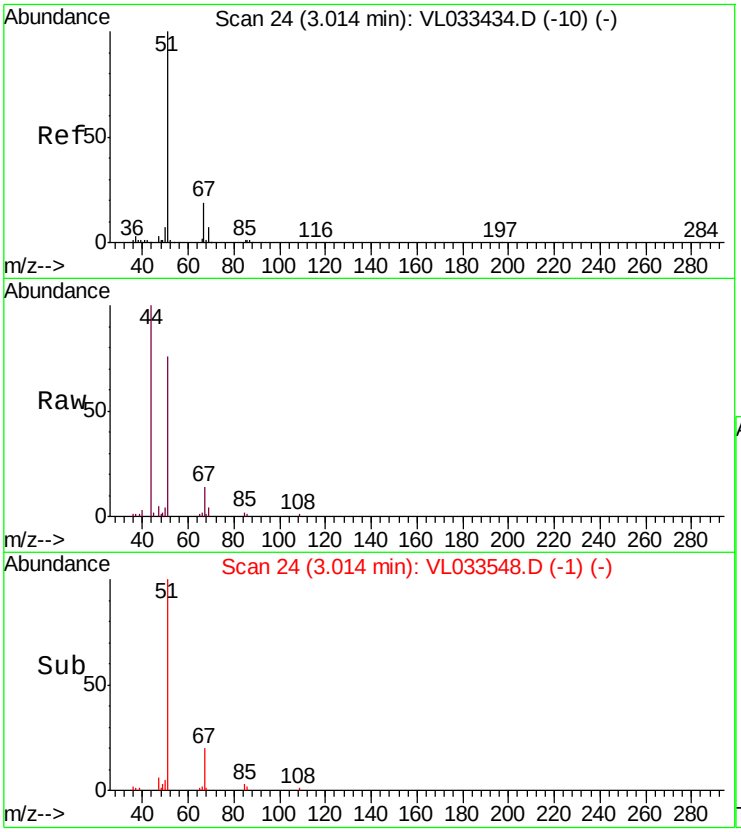


#2
Dichlorodifluoromethane
Concen: 0.537 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 85 Resp: 75399

Ion	Ratio	Lower	Upper
85	100		
87	39.1	26.7	40.1



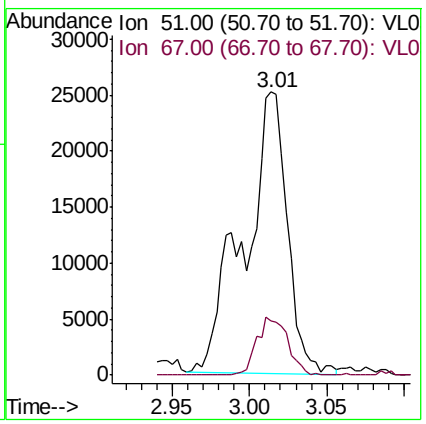


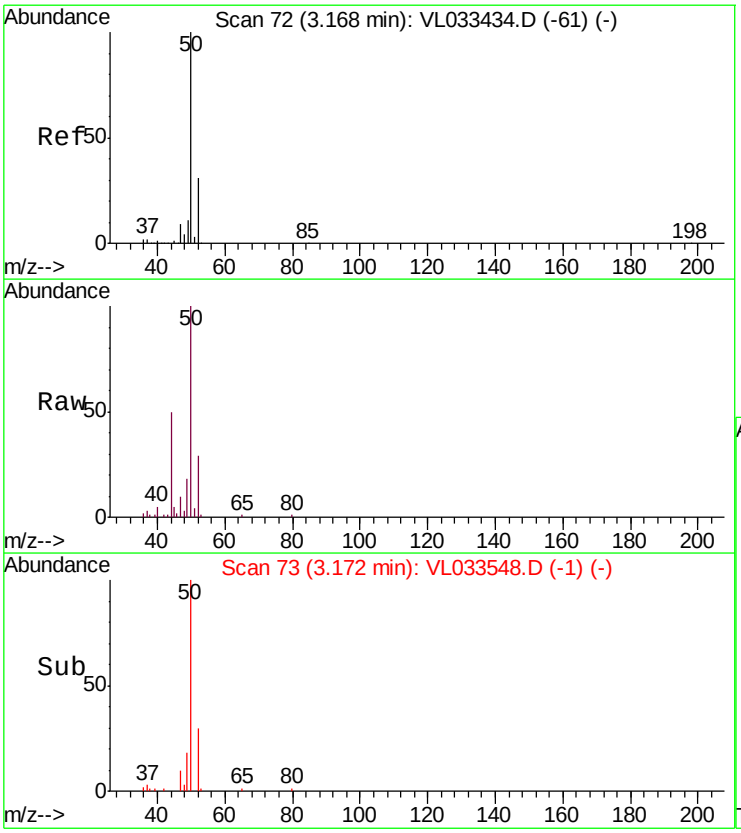
#3
Chlorodifluoromethane
Concen: 0.439 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 51 Resp: 48676

Ion	Ratio	Lower	Upper
51	100		
67	14.7	15.7	23.5#

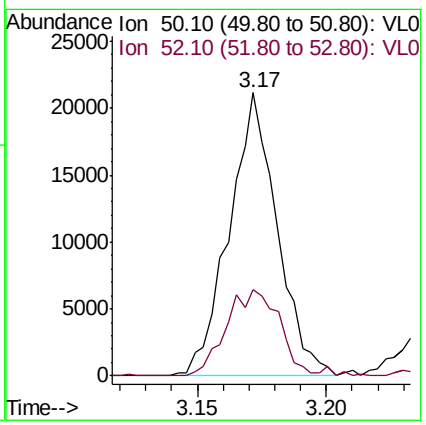


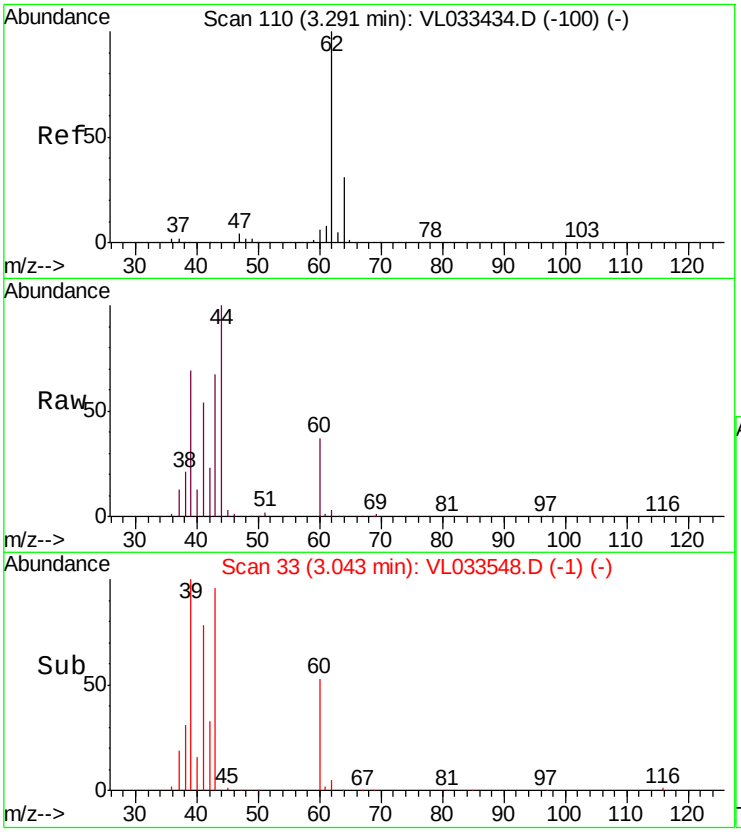


#4
Chloromethane
Concen: 0.464 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 50 Resp: 27187

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.0	37.6



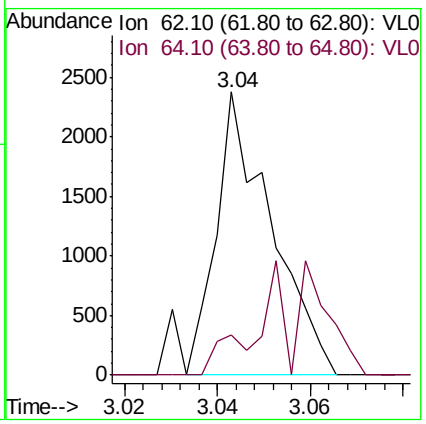


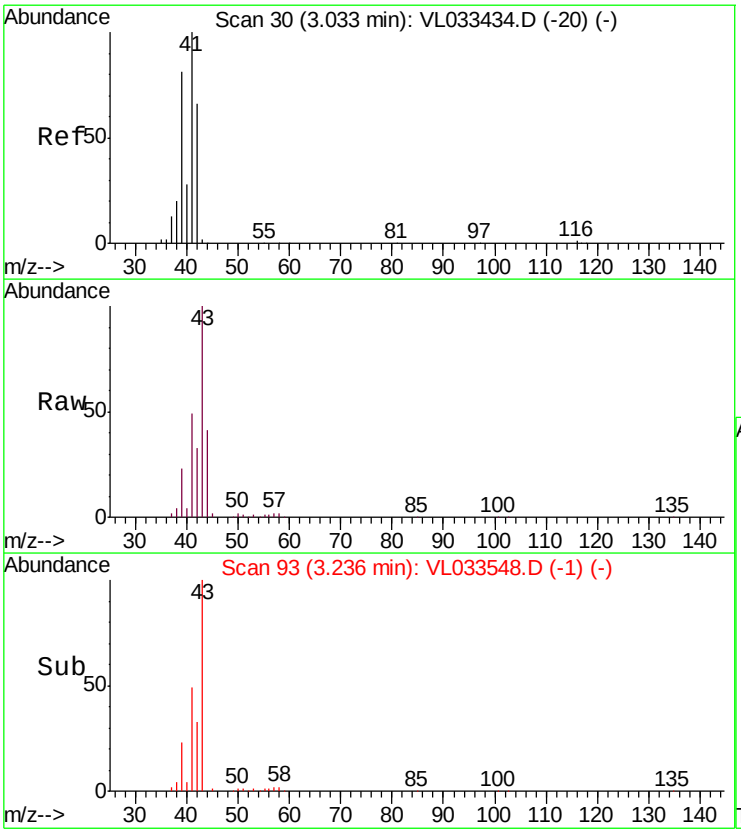
#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 3.04 min Scan# 33
Delta R.T. -0.25 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Tgt Ion: 62 Resp: 1965

Ion	Ratio	Lower	Upper
62	100		
64	14.1	24.9	37.3#

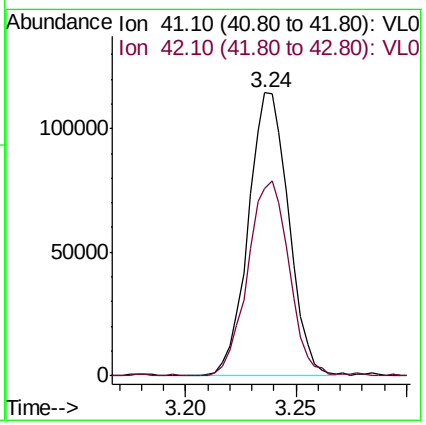


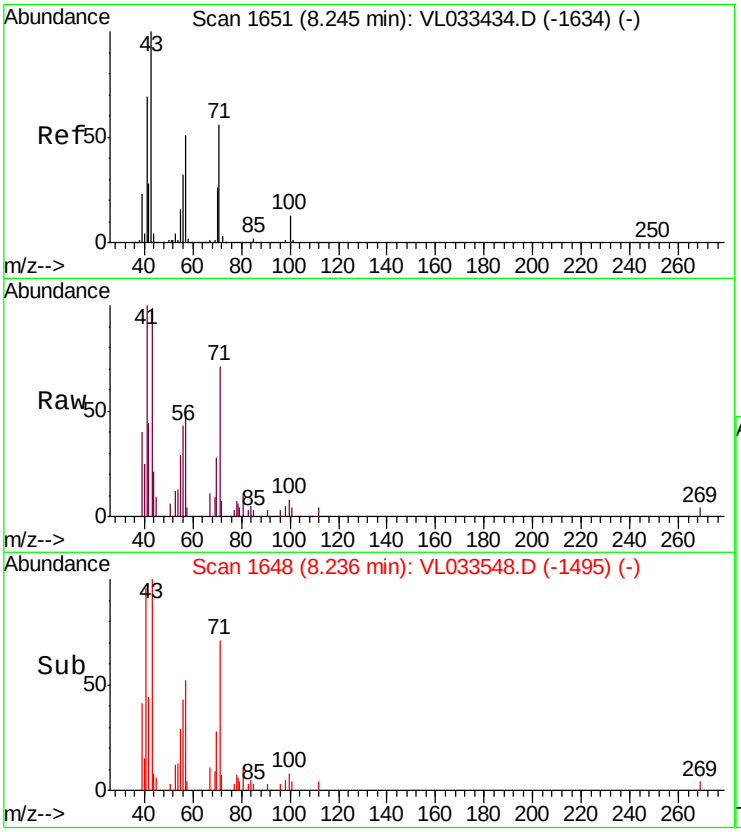


#9
Propene
Concen: 3.113 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 41 Resp: 144908

Ion	Ratio	Lower	Upper
41	100		
42	71.3	53.9	80.9



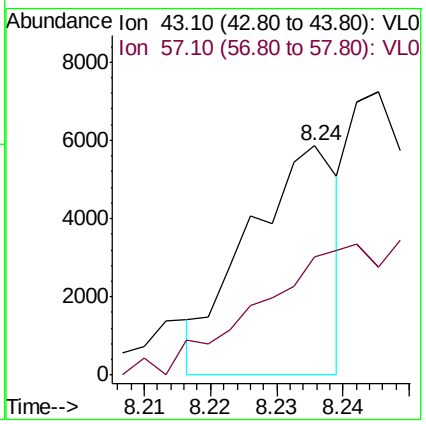


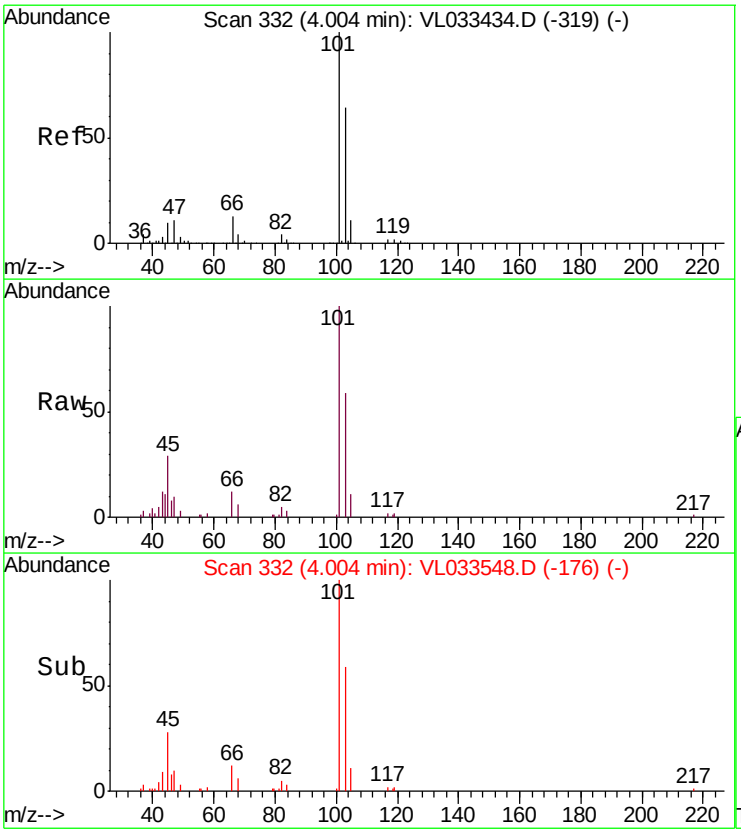
#10
Heptane
Concen: 0.044 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 43 Resp: 5519

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.6	60.8#

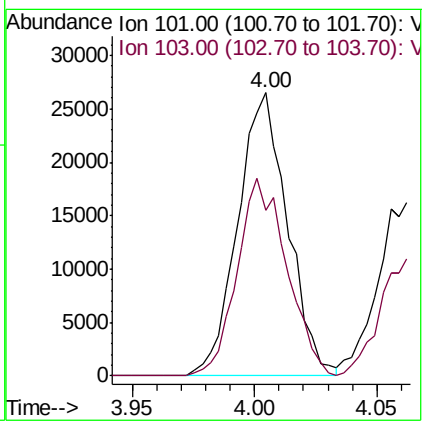


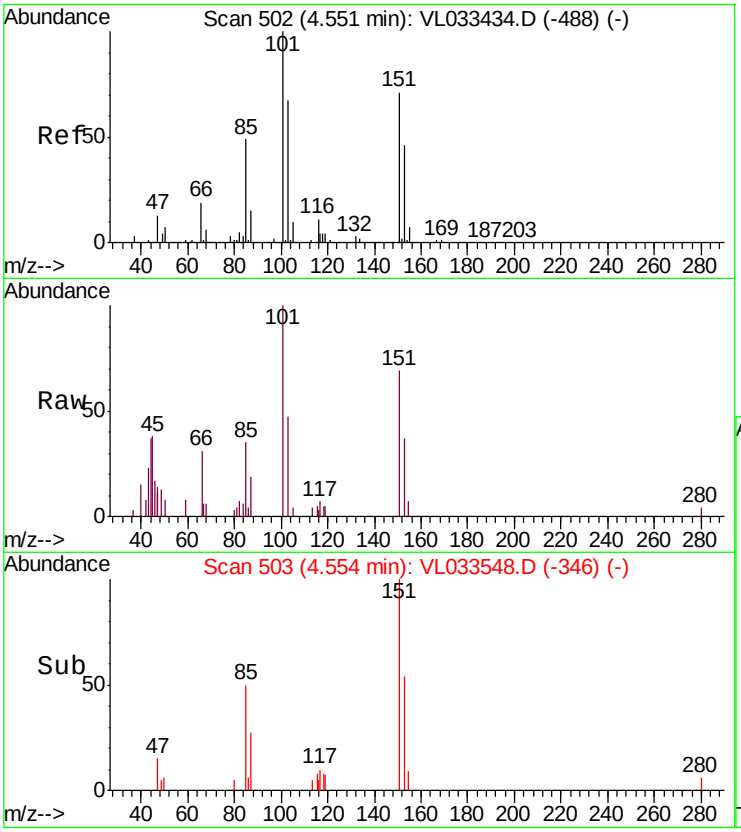


#11
Trichlorofluoromethane
Concen: 0.217 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion:101 Resp: 37514

Ion	Ratio	Lower	Upper
101	100		
103	58.5	51.3	76.9



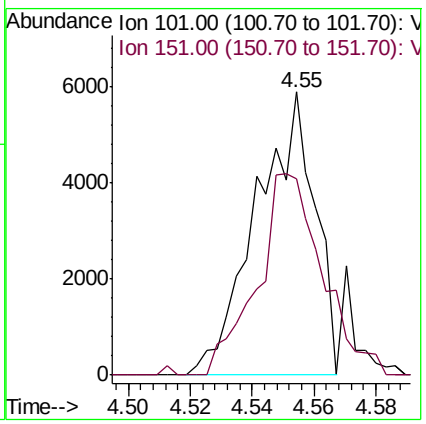


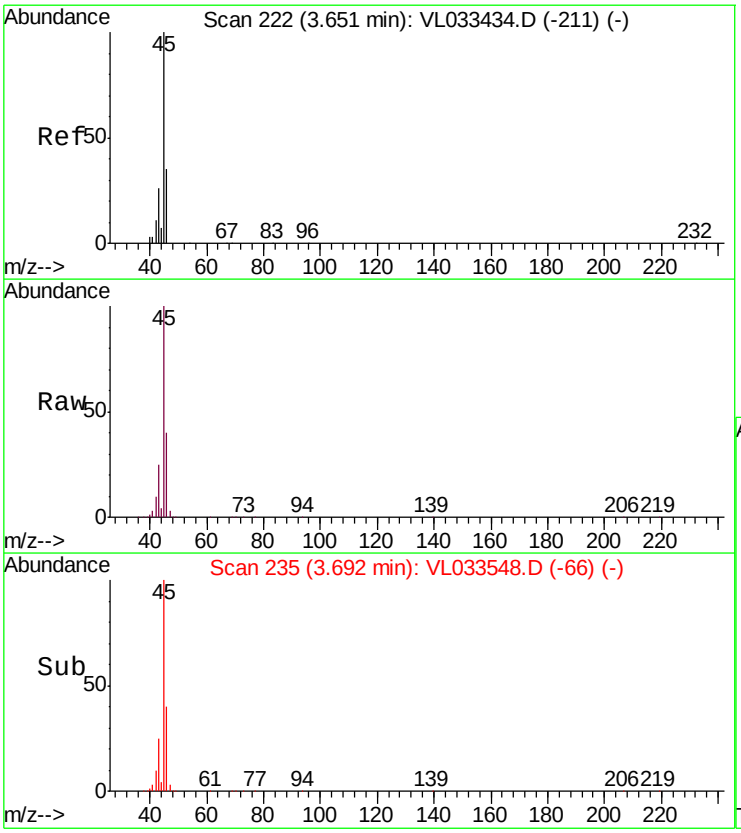
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion:101 Resp: 7717

Ion	Ratio	Lower	Upper
101	100		
151	79.6	57.7	86.5

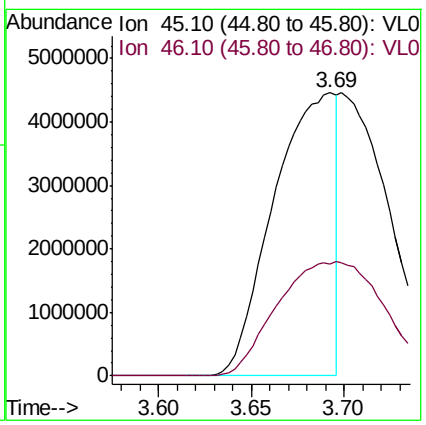


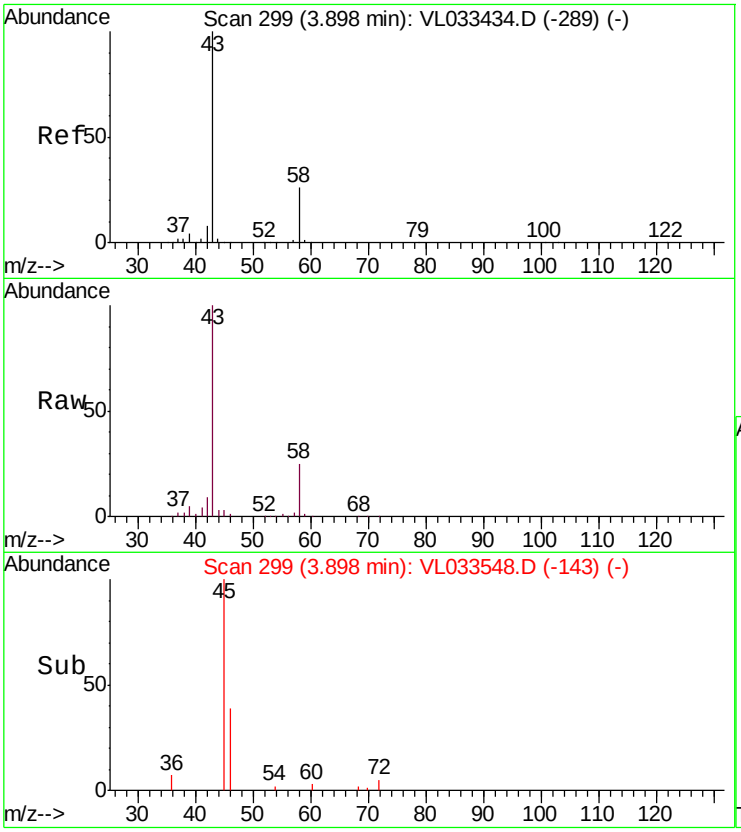


#13
Ethanol
Concen: 861.744 ppbv
RT: 3.69 min Scan# 235
Delta R.T. 0.04 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 45 Resp:10379283

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#



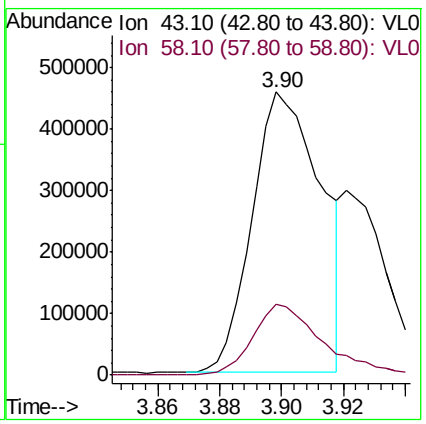


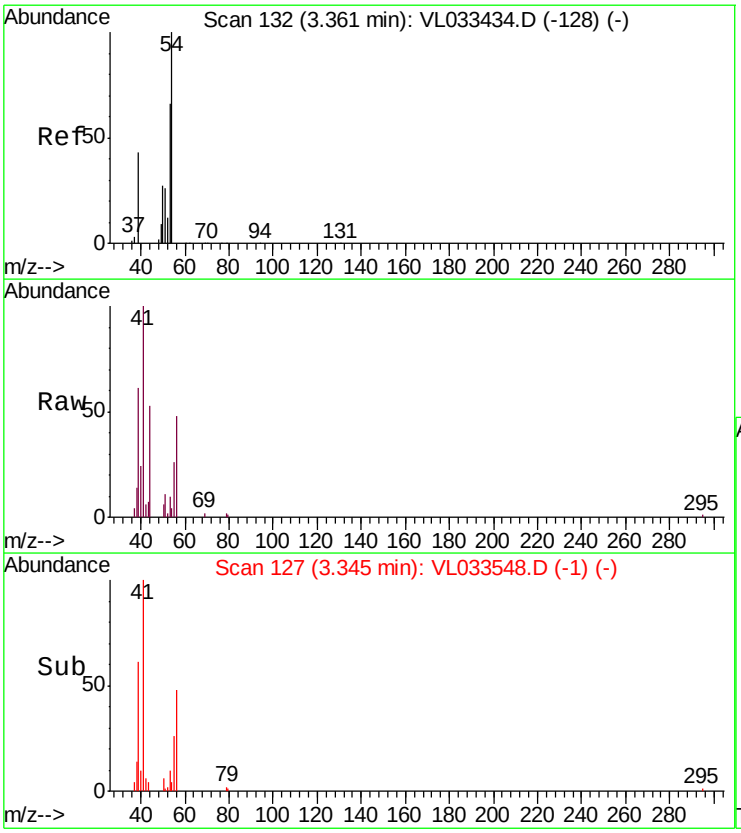
#15
Acetone
Concen: 6.058 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 43 Resp: 701227

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.5	30.7

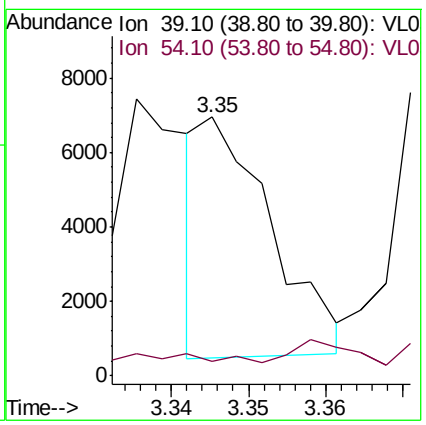


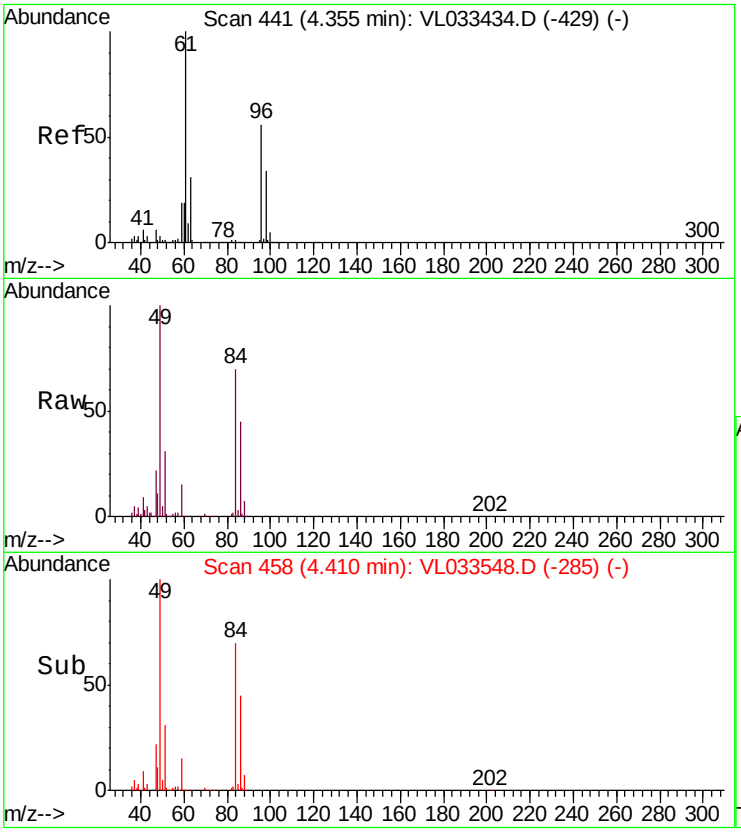


#16
1,3-Butadiene
Concen: 0.089 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.02 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 39 Resp: 4074

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.4	104.2#



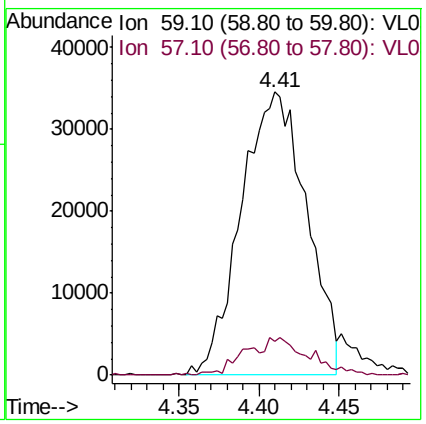


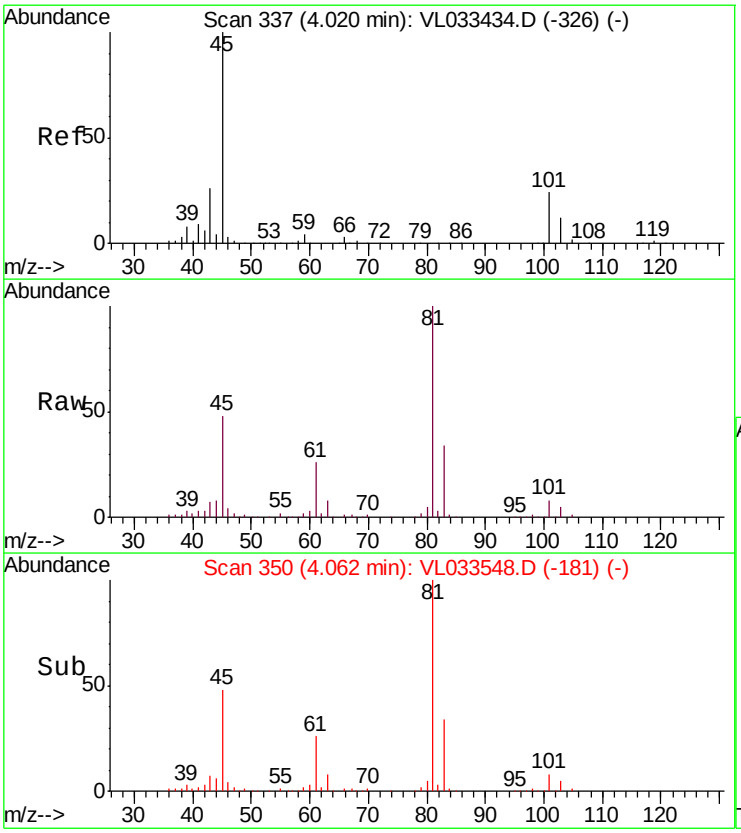
#17
tert-Butyl alcohol
Concen: 4.569 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.05 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 59 Resp: 97243

Ion	Ratio	Lower	Upper
59	100		
57	12.8	7.8	11.8#

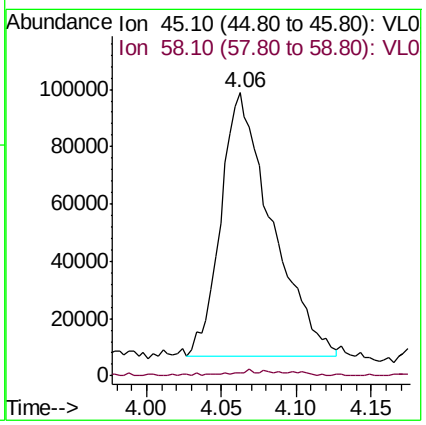


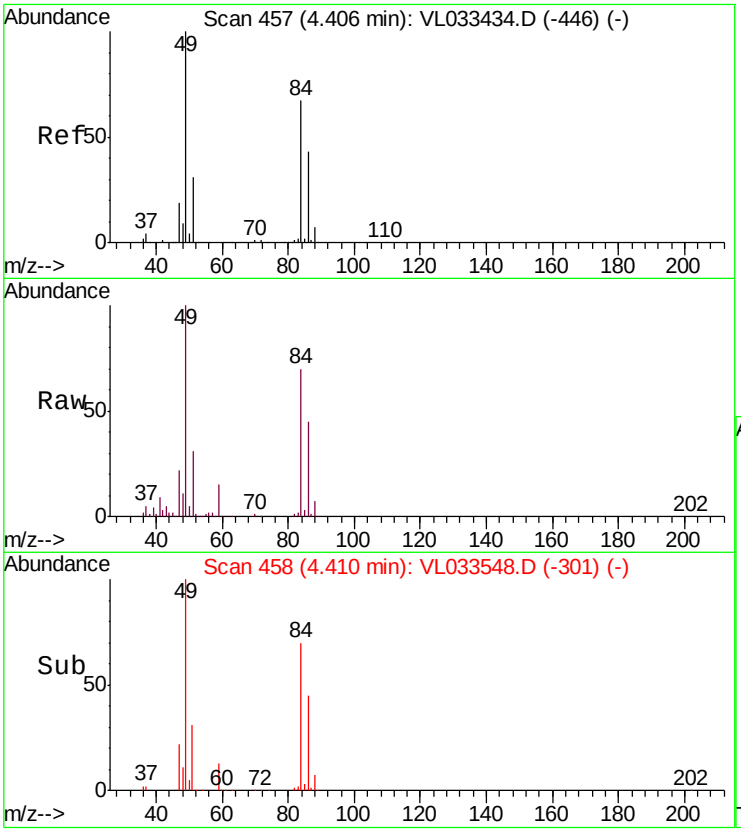


#19
Isopropyl Alcohol
Concen: 2.982 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.04 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 45 Resp: 218307

Ion	Ratio	Lower	Upper
45	100		
58	84.2	1.4	2.2#



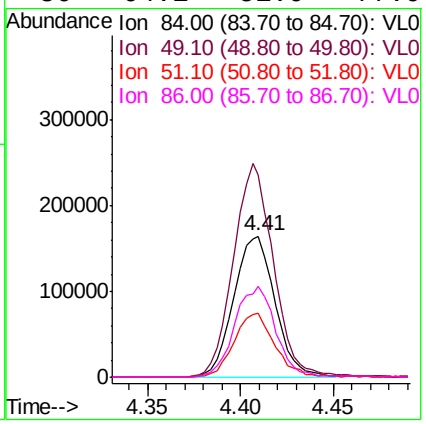


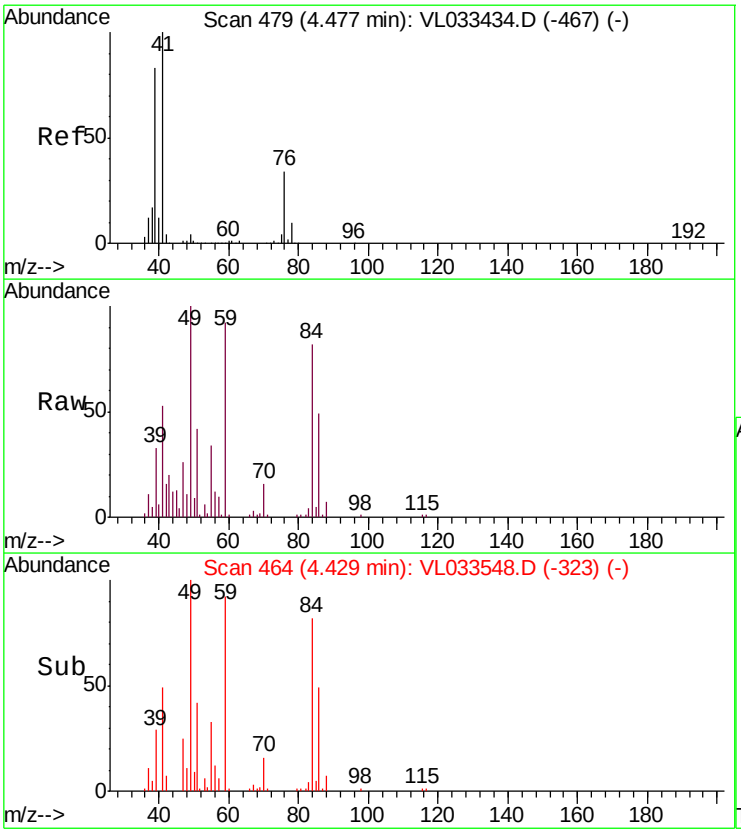
#20
Methylene Chloride
Concen: 5.194 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Tgt Ion: 84 Resp: 255196

Ion	Ratio	Lower	Upper
84	100		
49	143.2	120.0	180.0
51	44.9	36.7	55.1
86	64.1	51.9	77.9

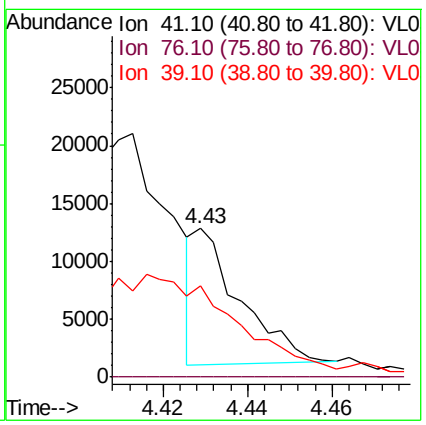


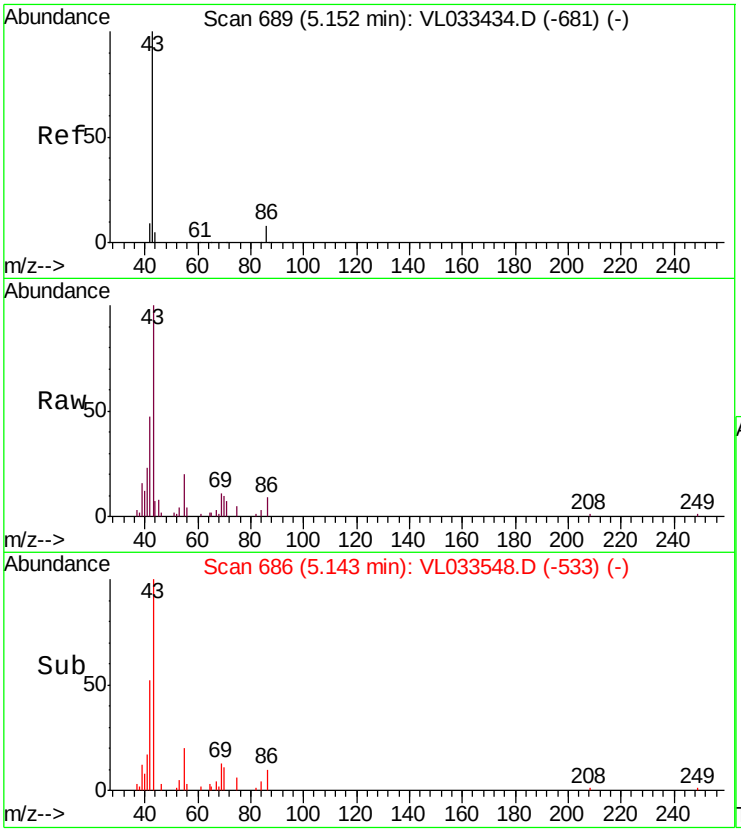


#21
Allyl Chloride
Concen: 0.120 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.05 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 41 Resp: 8792

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.2#
39	0.0	65.3	97.9#



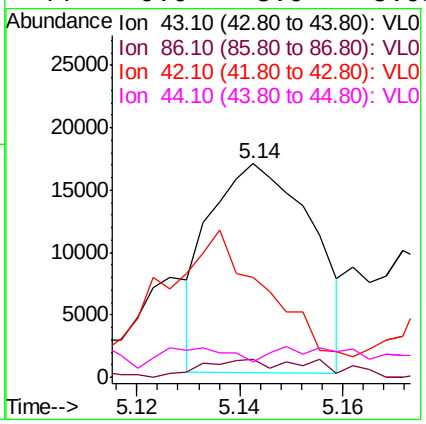


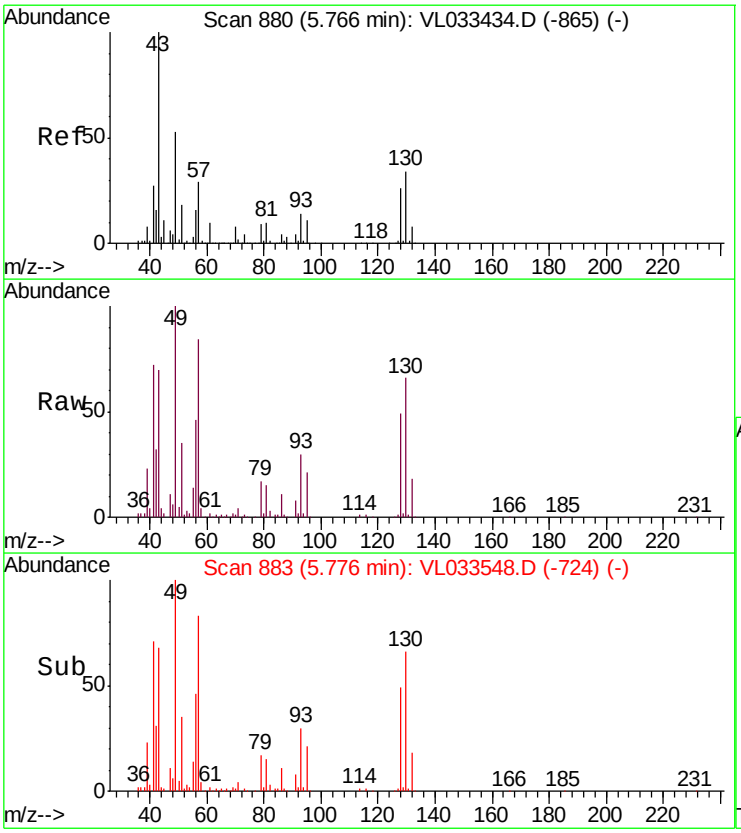
#23
Vinyl Acetate
Concen: 0.141 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Tgt Ion: 43 Resp: 23171

Ion	Ratio	Lower	Upper
43	100		
86	12.2	5.6	8.4#
42	63.3	8.0	12.0#
44	0.0	3.9	5.9#

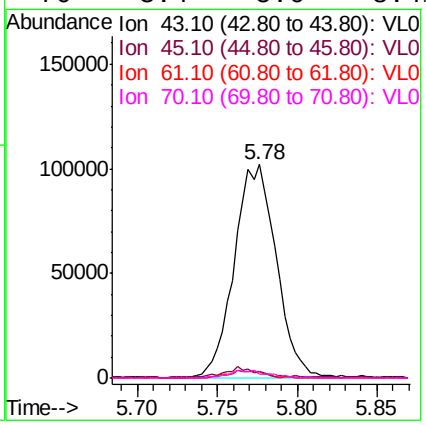


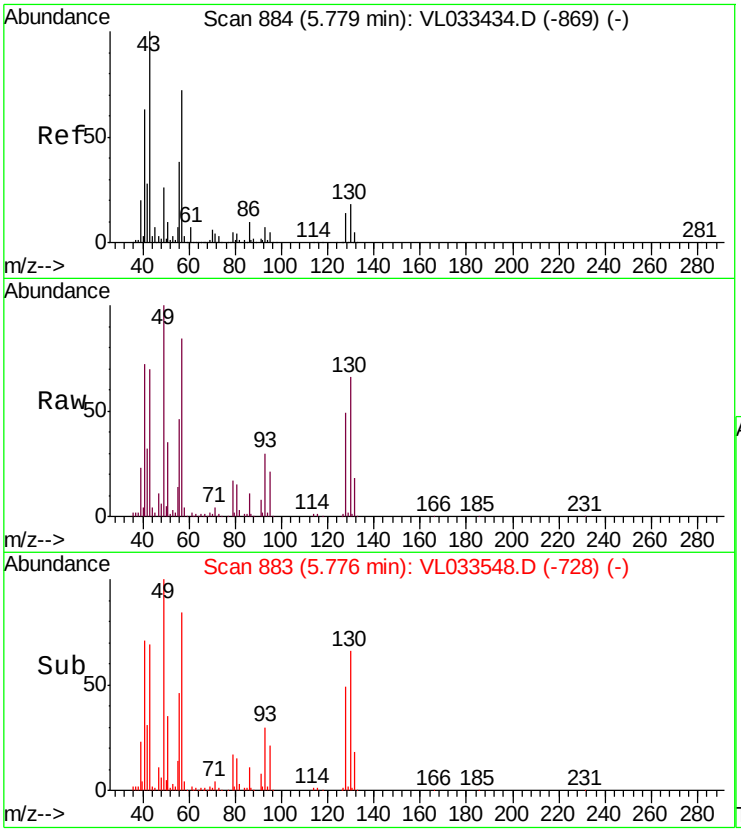


#25
Ethyl Acetate
Concen: 0.844 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 43 Resp: 181277

Ion	Ratio	Lower	Upper
43	100		
45	4.3	7.8	11.6#
61	3.1	7.3	10.9#
70	3.4	5.6	8.4#



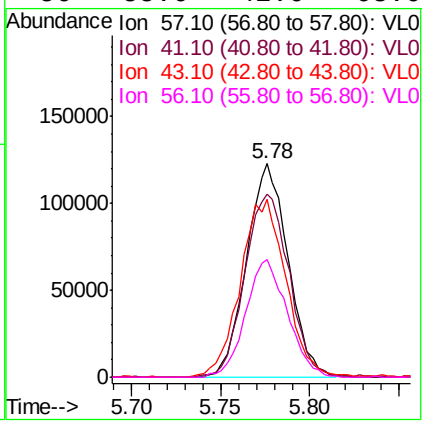


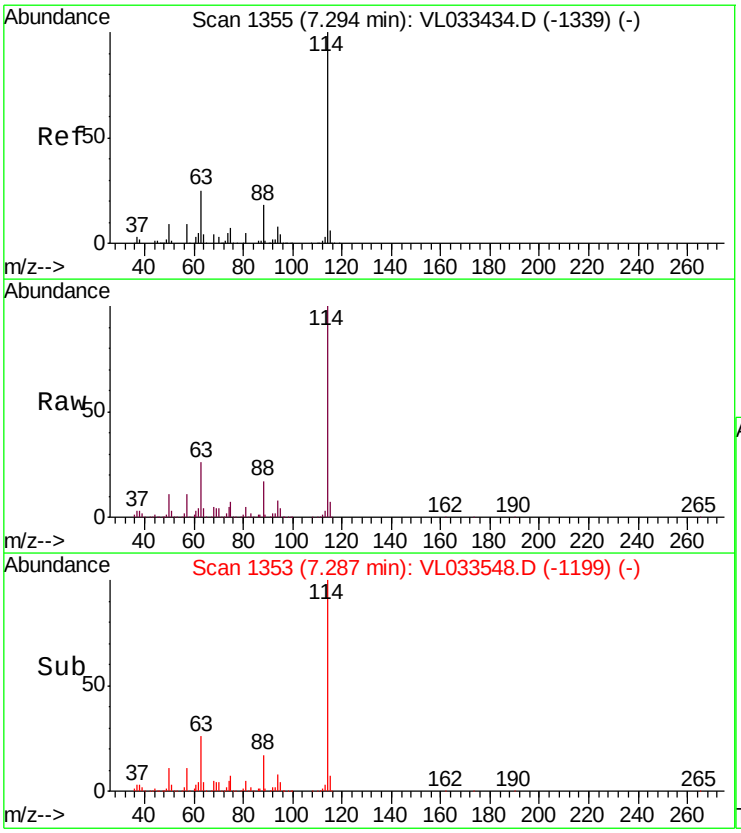
#26
Hexane
Concen: 2.100 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 57 Resp: 200572

Ion	Ratio	Lower	Upper
57	100		
41	91.3	70.7	106.1
43	92.4	182.6	274.0#
56	55.6	42.0	63.0

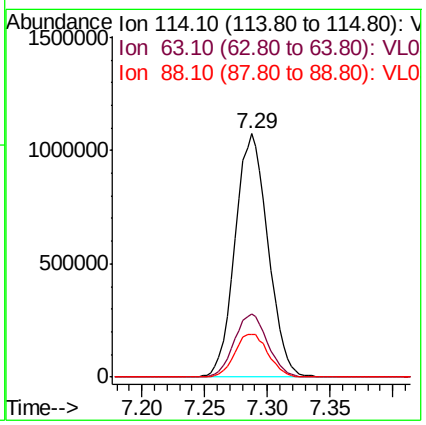


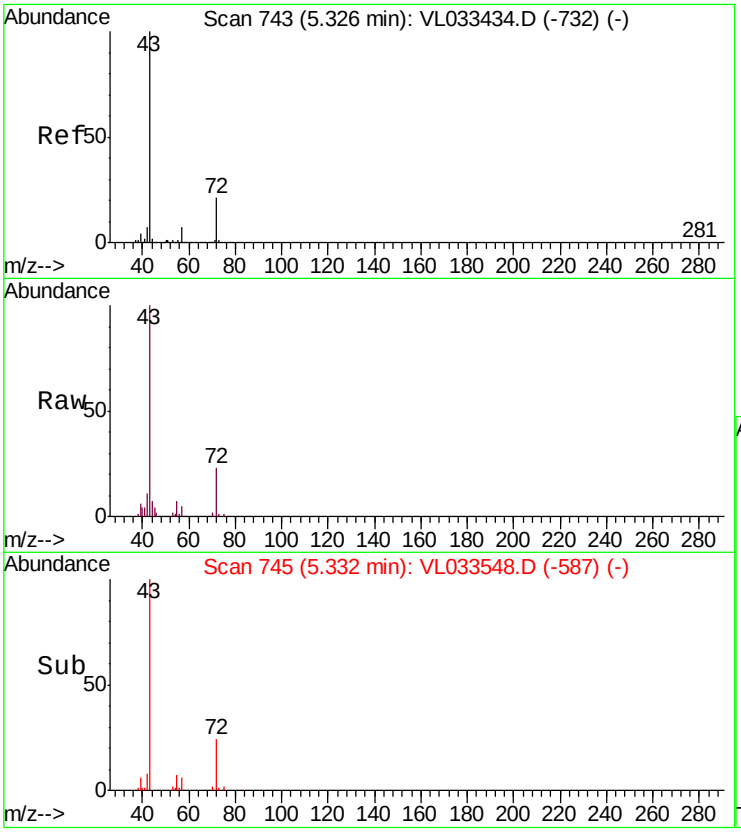


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion:114 Resp: 1961368

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.1	14.5	21.7



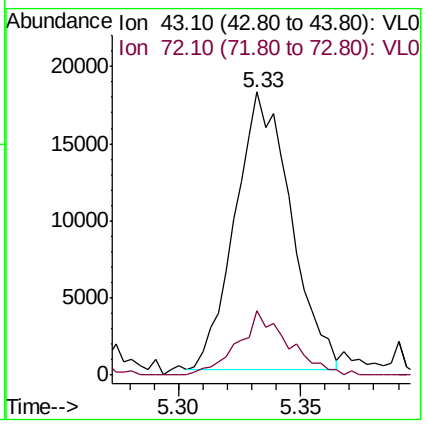


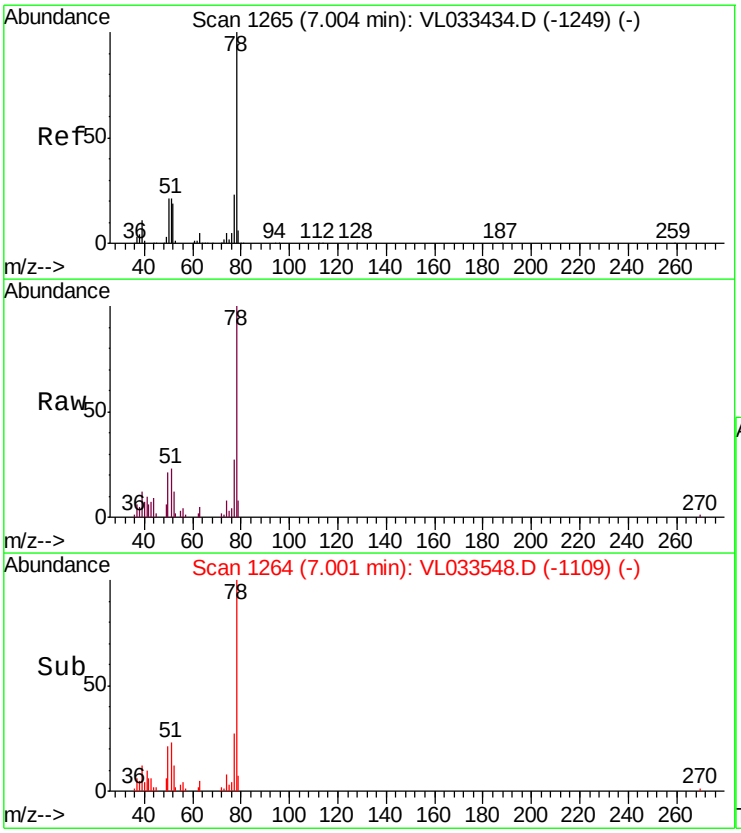
#34
2-Butanone
Concen: 0.243 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 43 Resp: 28633

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.4	26.2

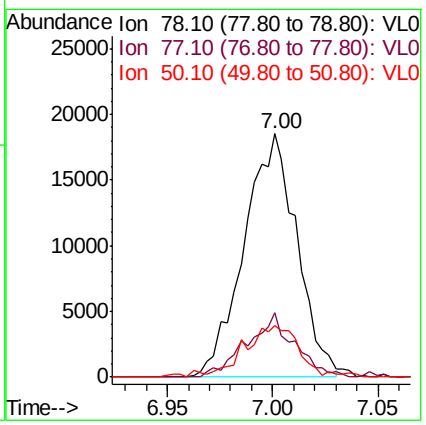


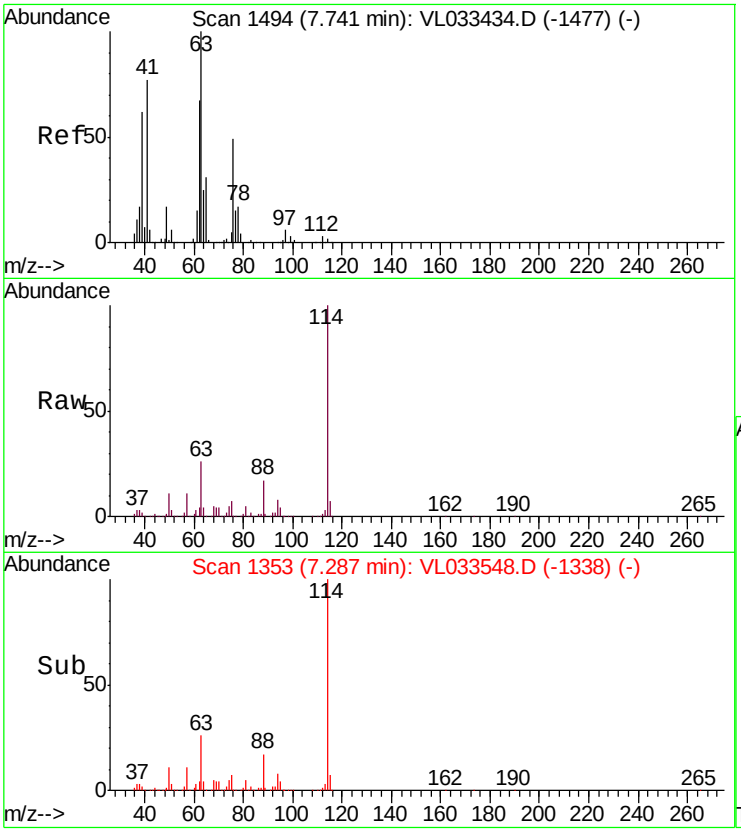


#36
Benzene
Concen: 0.196 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 78 Resp: 32229

Ion	Ratio	Lower	Upper
78	100		
77	26.6	18.1	27.1
50	21.1	16.7	25.1



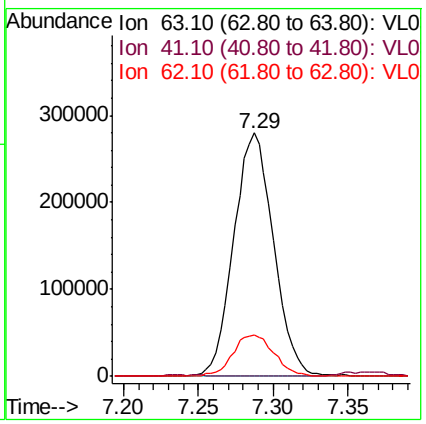


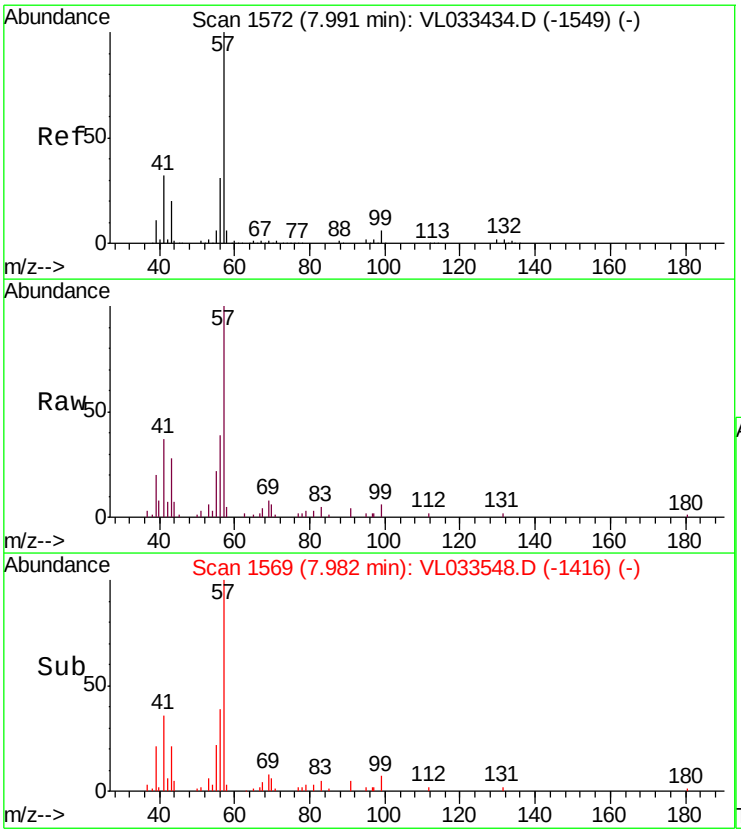
#39
1,2-Dichloropropane
Concen: 8.045 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Tgt Ion: 63 Resp: 518627

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.7	54.0	81.0#

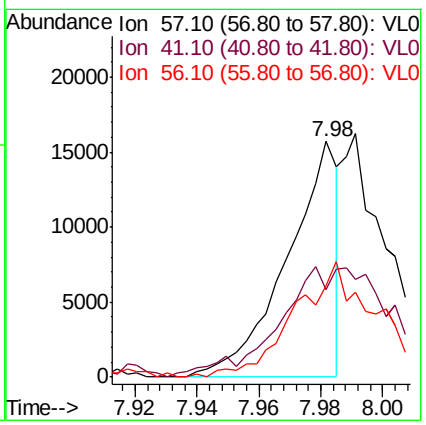


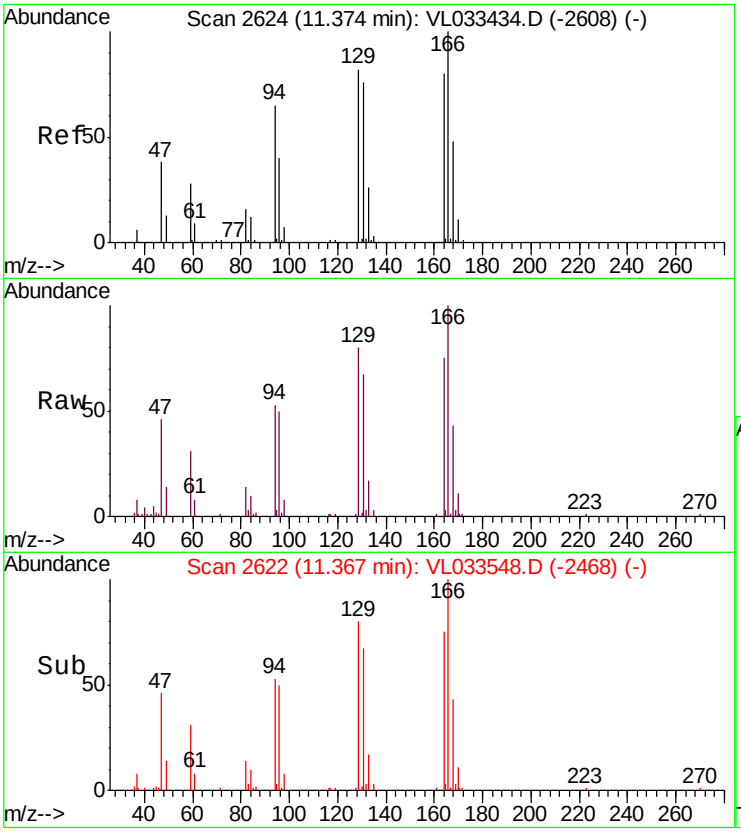


#44
2,2,4-Trimethylpentane
Concen: 0.062 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 57 Resp: 17752

Ion	Ratio	Lower	Upper
57	100		
41	108.1	26.0	39.0#
56	84.1	24.6	37.0#



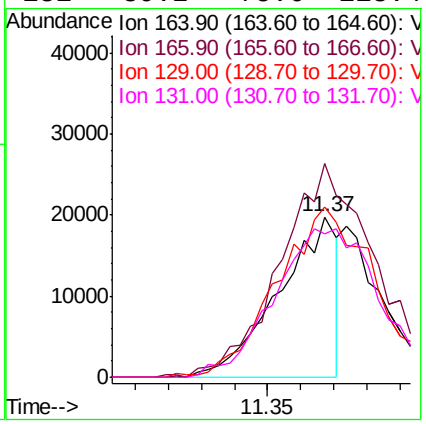


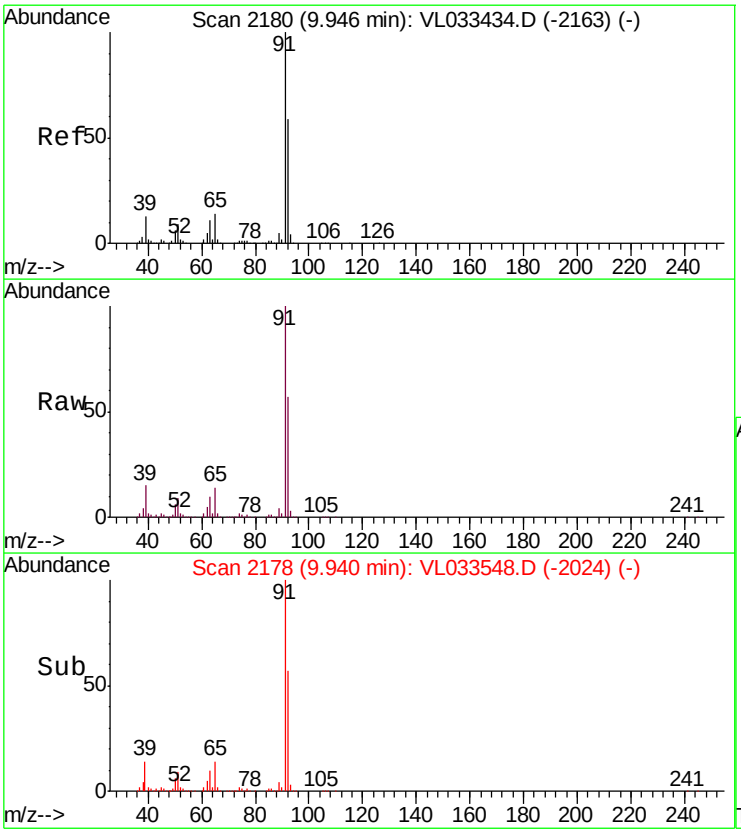
#52
Tetrachloroethene
Concen: 0.388 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion:164 Resp: 24078

Ion	Ratio	Lower	Upper
164	100		
166	133.2	99.5	149.3
129	104.6	81.4	122.2
131	89.2	75.6	113.4

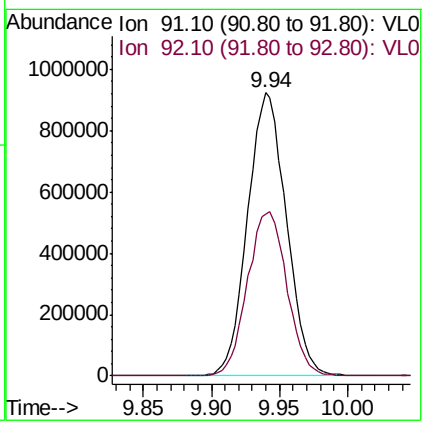


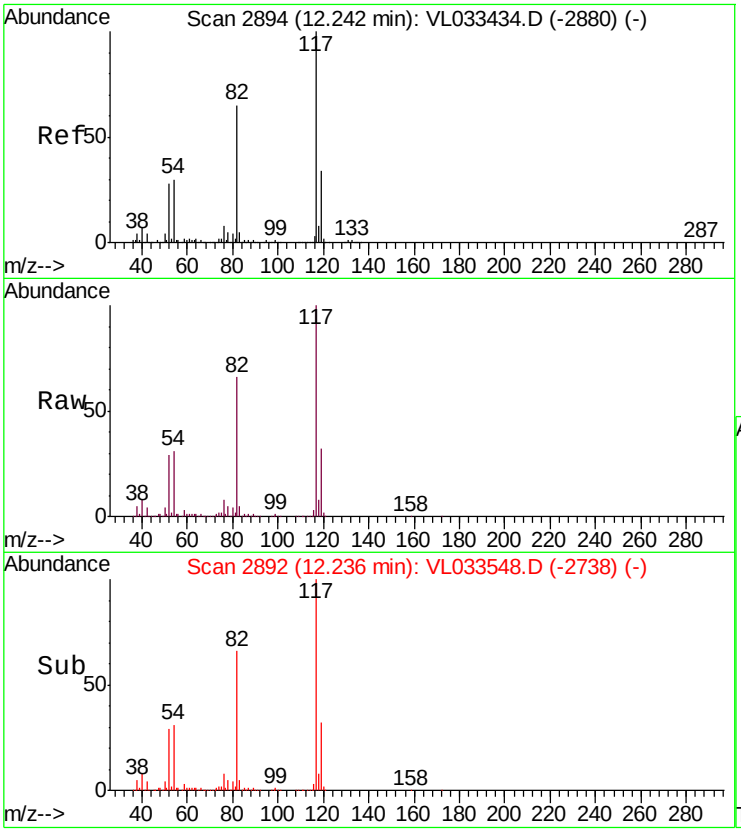


#53
Toluene
Concen: 9.523 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 91 Resp: 1821124

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.0



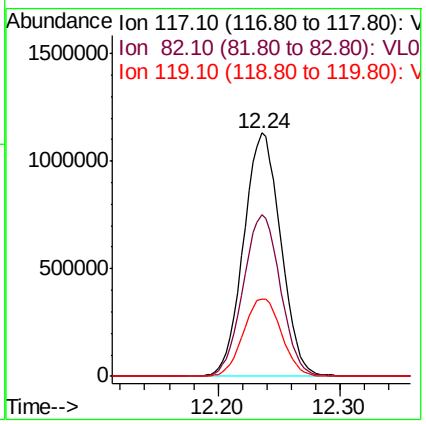


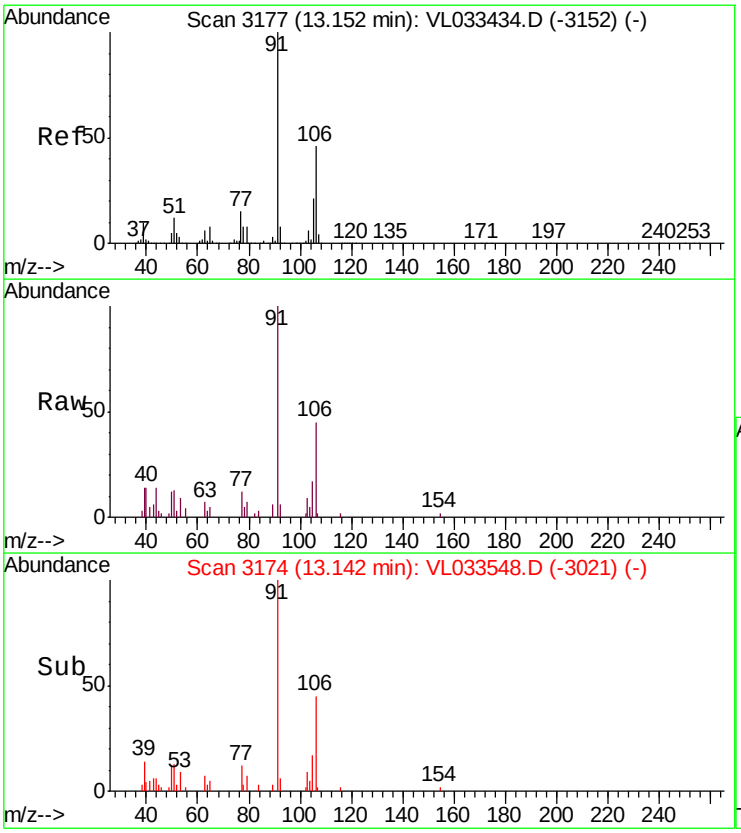
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument : MSVOA_L
ClientSampleId : LIHA-IA2-DUP

Tgt Ion:117 Resp: 2375404

Ion	Ratio	Lower	Upper
117	100		
82	66.8	51.5	77.3
119	32.7	25.5	38.3

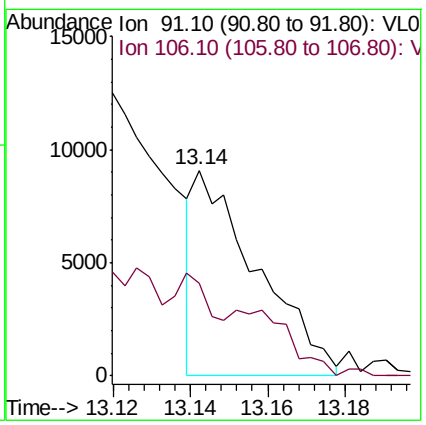


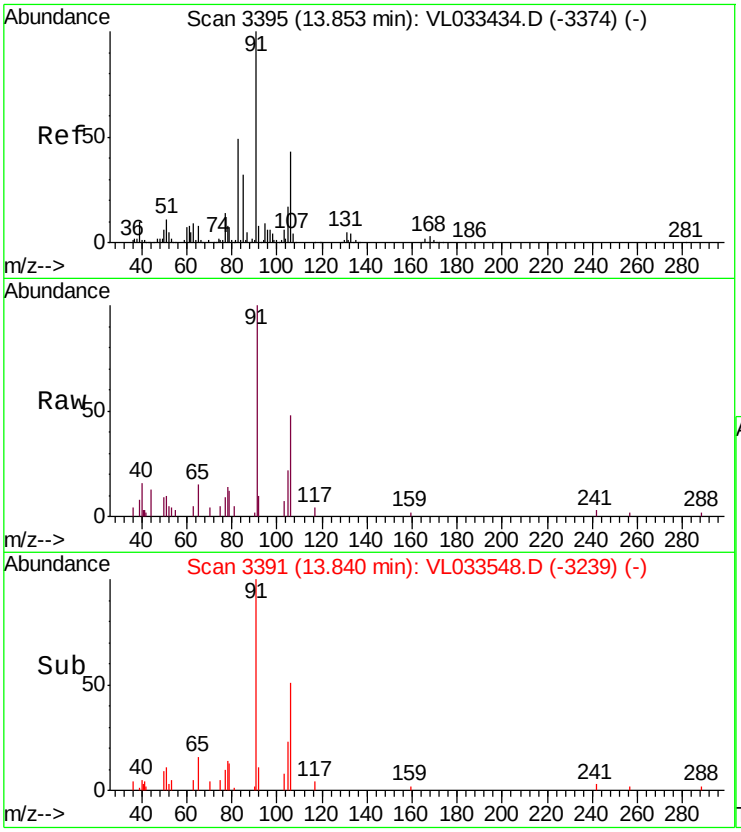


#59
m/p-Xylene
Concen: 0.036 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 91 Resp: 10216

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



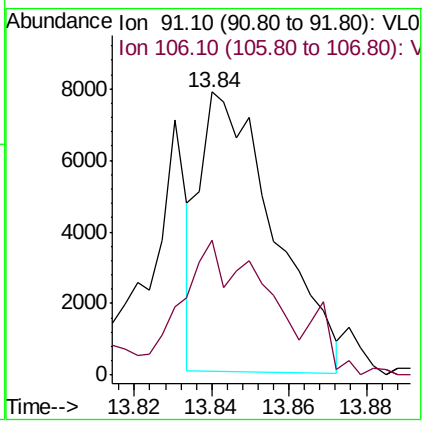


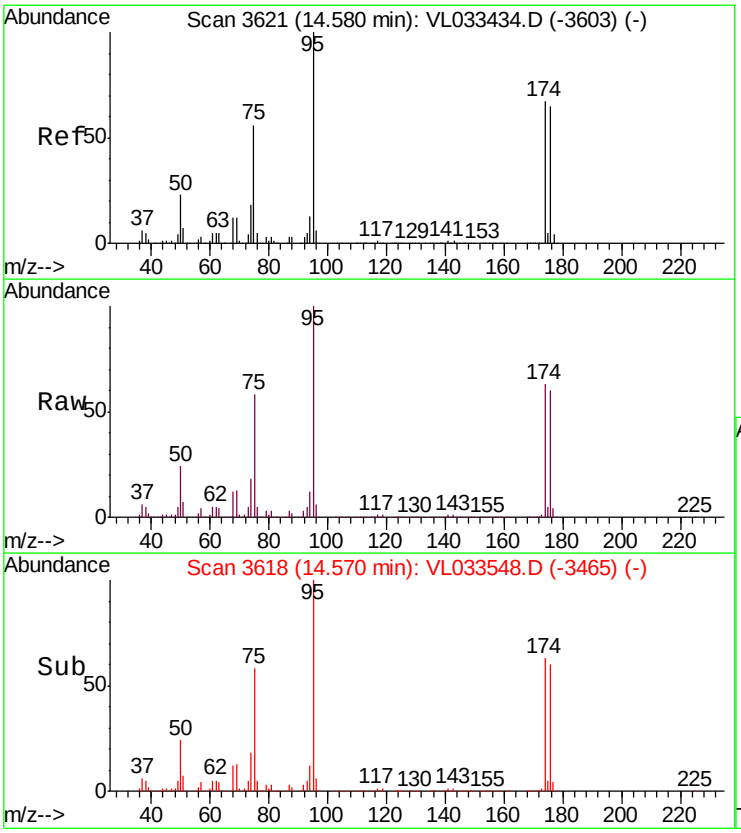
#60
o-Xylene
Concen: 0.038 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2-DUP

Tgt Ion: 91 Resp: 10344

Ion	Ratio	Lower	Upper
91	100		
106	67.0	21.4	64.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.678 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033548.D
Acq: 5 Apr 2019 00:53

Tgt Ion: 95 Resp: 1988414

Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.9	79.3
175	4.8	3.8	5.6