Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033834.D
Acq On : 29 May 2019 12:09
Operator : SY/AP
Sample : K2960-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Quant Time: May 30 01:09:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	708277	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1803497	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.23	117	1695233	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1423559	10.36	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	32490	0.218	ppbv		97
3) Chlorodifluoromethane	3.01	51	47256	0.582	ppbv	#	84
4) Chloromethane	3.17	50	24495	0.528	ppbv		95
5) Vinyl Chloride	3.04	62	1510	0.032	ppbv	#	42
7) Chloroethane	3.59	64	183	0.011	ppbv	#	41
8) Dichlorotetrafluoroethane	3.22	85	1935	0.016	ppbv		89
9) Propene	3.03	41	99095	2.872	ppbv		88
10) Heptane	8.23	43	1895	0.019	ppbv	#	26
11) Trichlorofluoromethane	4.00	101	34948	0.245	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6976	0.070	ppbv		85
13) Ethanol	3.65	45	29060	2.605	ppbv	#	62
15) Acetone	3.89	43	632829	6.440	ppbv		97
16) 1,3-Butadiene	3.34	39	56358	1.440	ppbv	#	26
17) tert-Butyl alcohol	4.37	59	1659	0.021	ppbv	#	1
19) Isopropyl Alcohol	4.04	45	1332	0.021	ppbv	#	94
20) Methylene Chloride	4.40	84	71327	1.885	ppbv		94
23) Vinyl Acetate	5.15	43	2294	0.018	ppbv	#	79
25) Ethyl Acetate	5.77	43	44892	0.260	ppbv	#	82
26) Hexane	5.77	57	55906	0.753	ppbv	#	41
27) Carbon Disulfide	4.62	76	6359	0.062	ppbv	#	52
29) Chloroform	5.84	83	2675	0.020	ppbv		92
34) 2-Butanone	5.33	43	46597	0.417	ppbv		100
35) Carbon Tetrachloride	7.12	117	4176	0.029	ppbv		97
36) Benzene	6.99	78	9052	0.055	ppbv	#	85
37) 1,2-Dichloroethane	6.40	62	2017	0.019	ppbv	#	83
39) 1,2-Dichloropropane	7.28	63	467758	7.648	ppbv	#	23
52) Tetrachloroethene	11.35	164	2061	0.036	ppbv	#	46
53) Toluene	9.94	91	64301	0.363	ppbv		100
58) Ethyl Benzene	12.86	91	4102	0.018	ppbv		97
59) m/p-Xylene	13.14	91	3659	0.019	ppbv	#	31
60) o-Xylene	13.84	91	4217	0.021	ppbv	#	44
72) 4-Ethyltoluene	15.98	105	2495	0.011	ppbv	#	54
74) 1,2,4-Trimethylbenzene	16.92	105	2887	0.012	ppbv	#	60
80) Naphthalene,2-methyl-	25.12	142	1079	0.013	ppbv	#	83

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

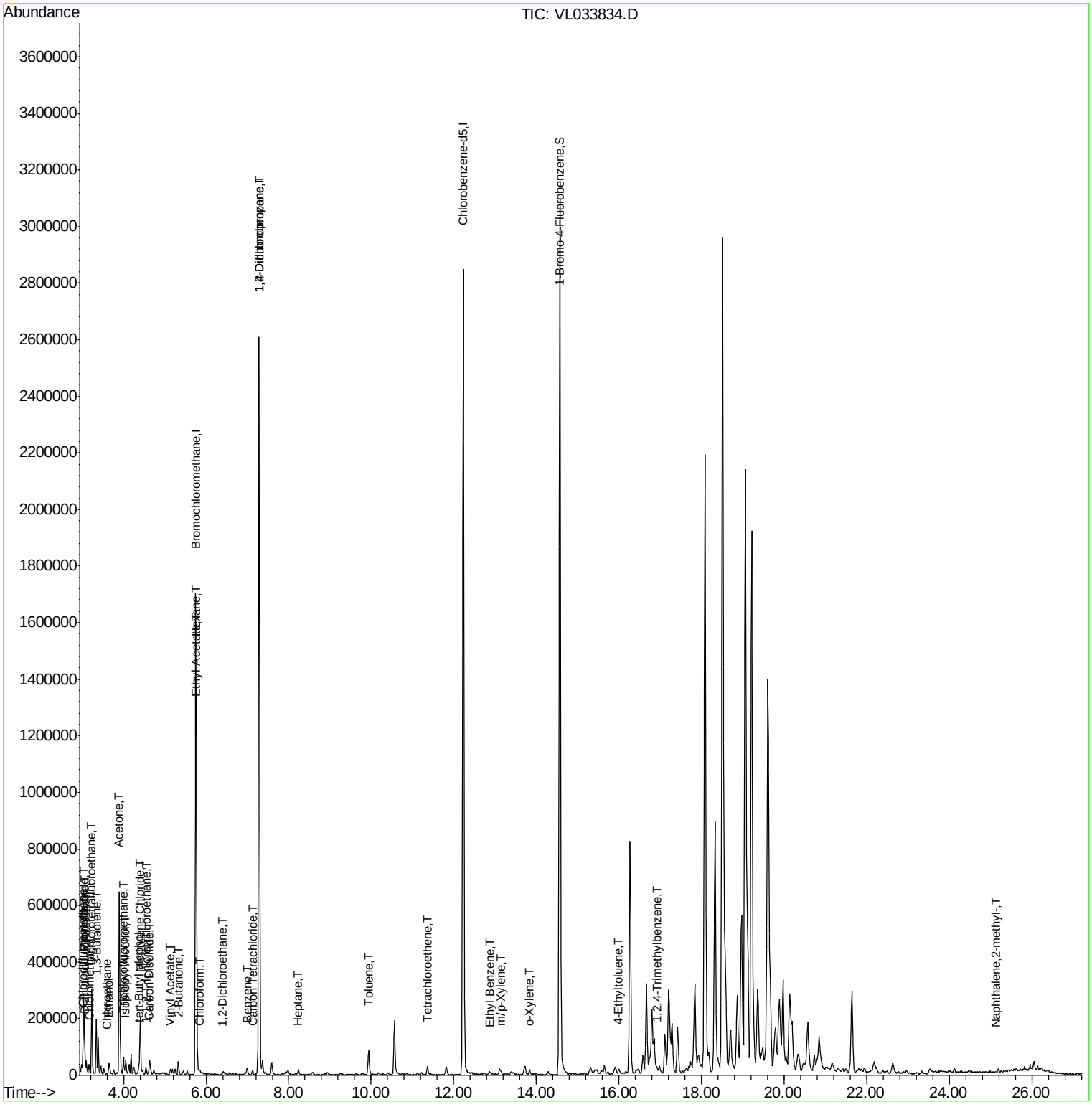
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

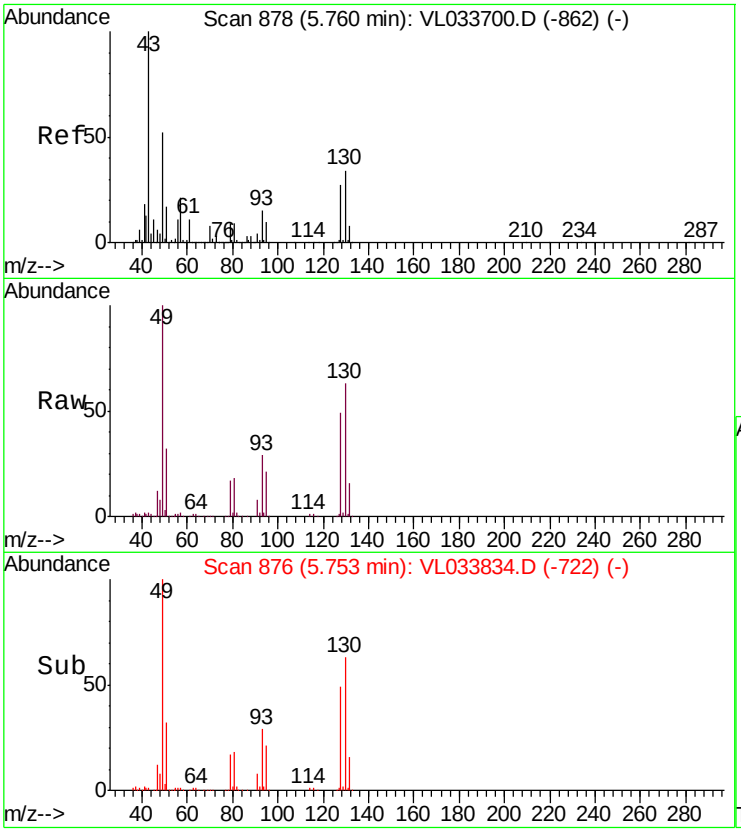
Quantitation Report (Not Reviewed)

Data File : VL033834.D
Acq On : 29 May 2019 12:09
Operator : SY/AP
Sample : K2960-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Quant Time: May 30 01:09:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



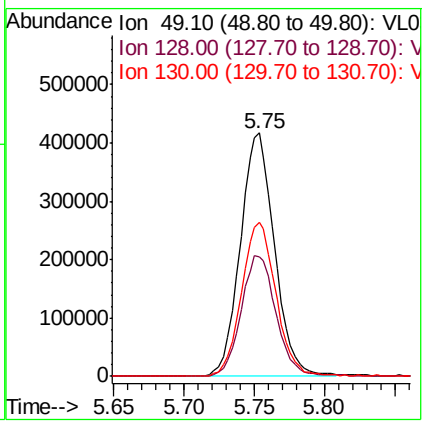


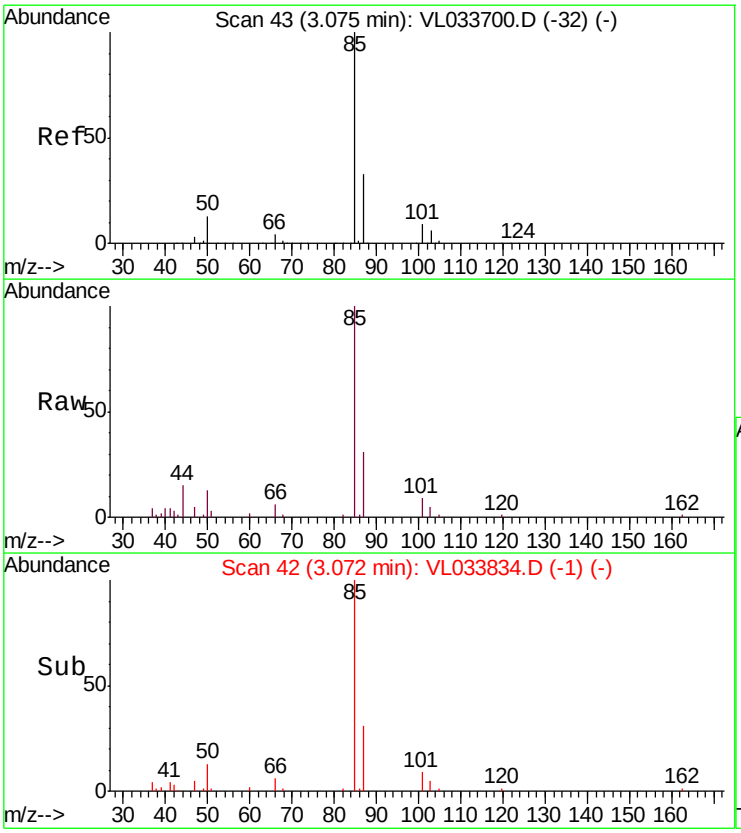
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 49 Resp: 708277

Ion	Ratio	Lower	Upper
49	100		
128	51.0	25.2	75.6
130	63.7	32.5	97.5

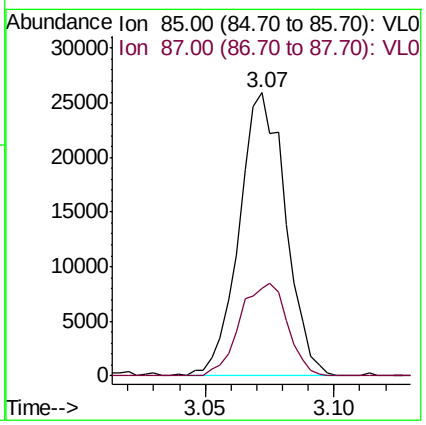


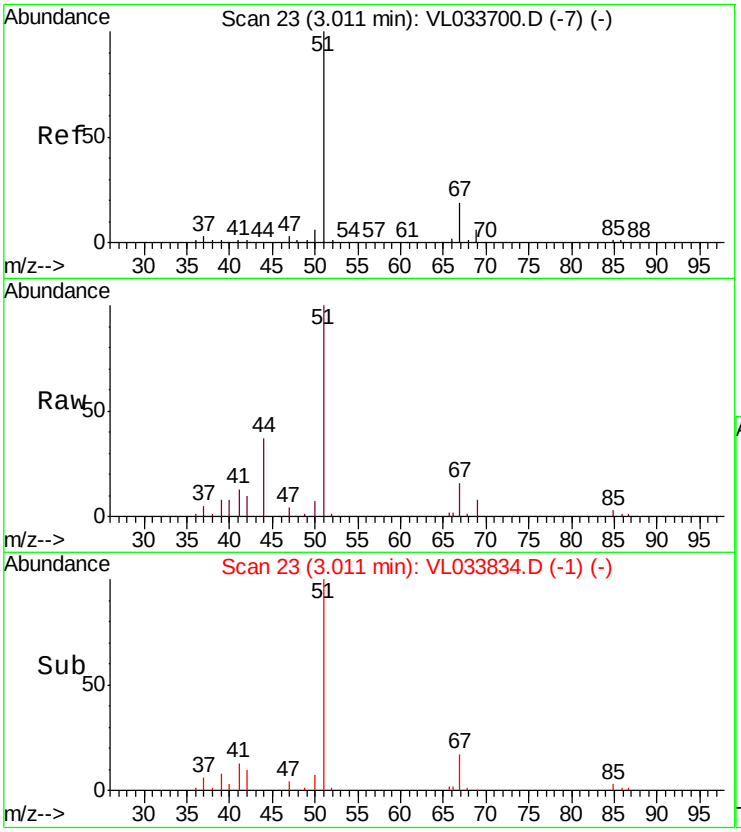


#2
Dichlorodifluoromethane
Concen: 0.218 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 85 Resp: 32490

Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.3	39.5



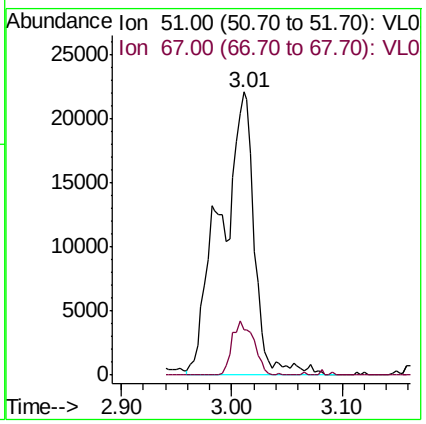


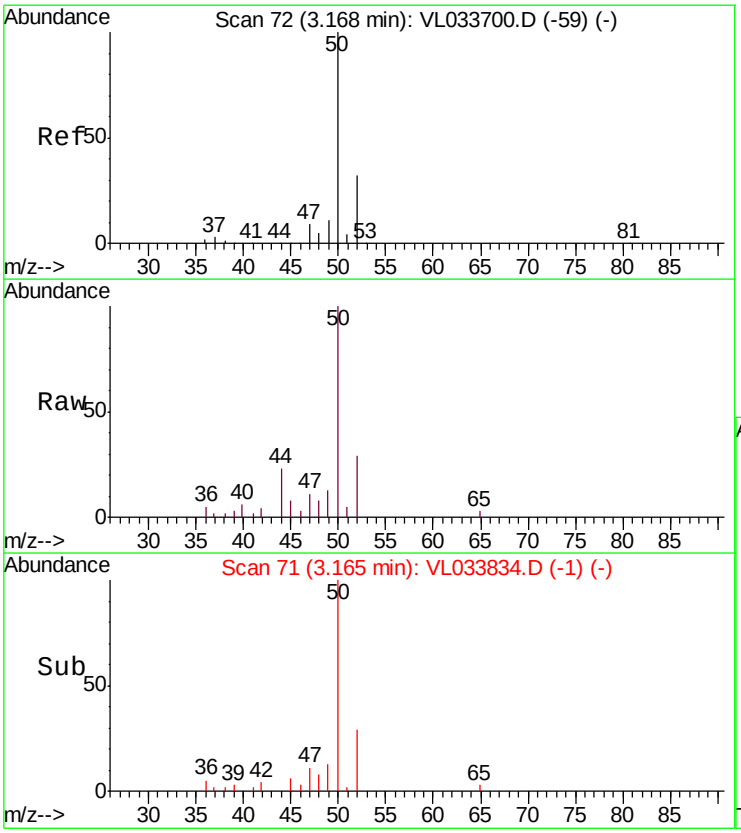
#3
Chlorodifluoromethane
Concen: 0.582 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 51 Resp: 47256

Ion	Ratio	Lower	Upper
51	100		
67	12.2	15.6	23.4#

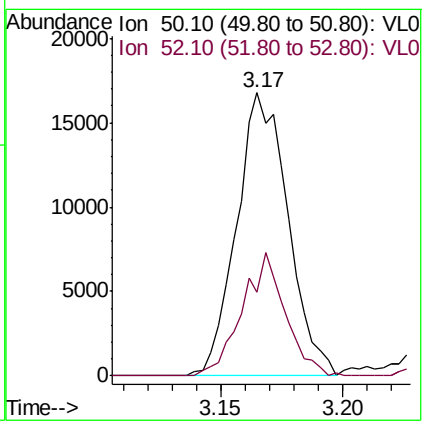


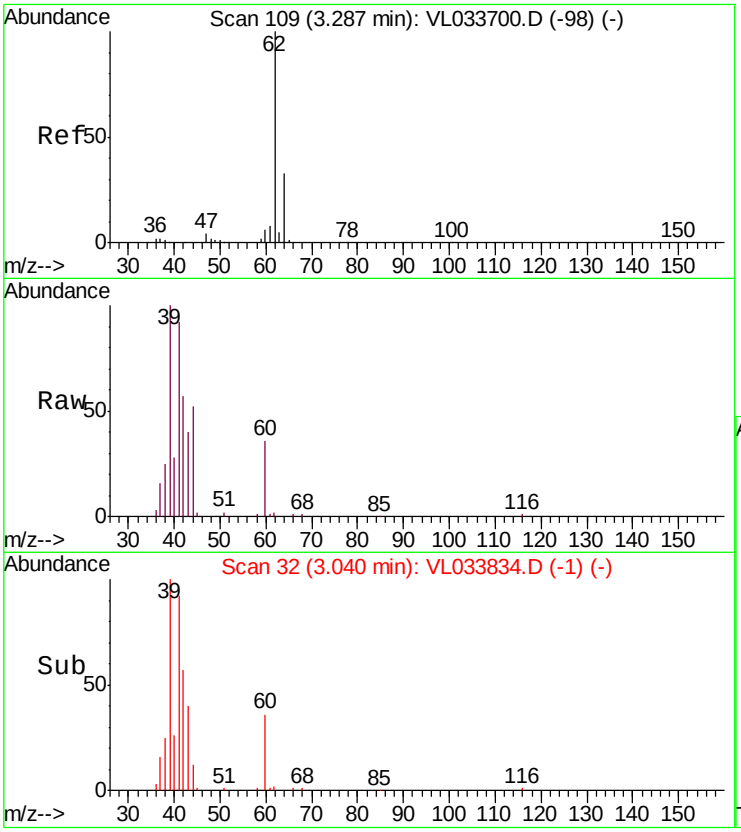


#4
Chloromethane
Concen: 0.528 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 50 Resp: 24495

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.7	38.5



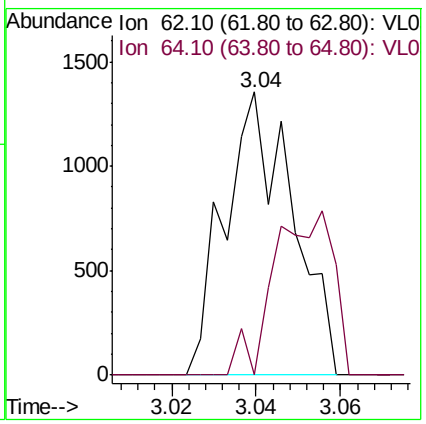


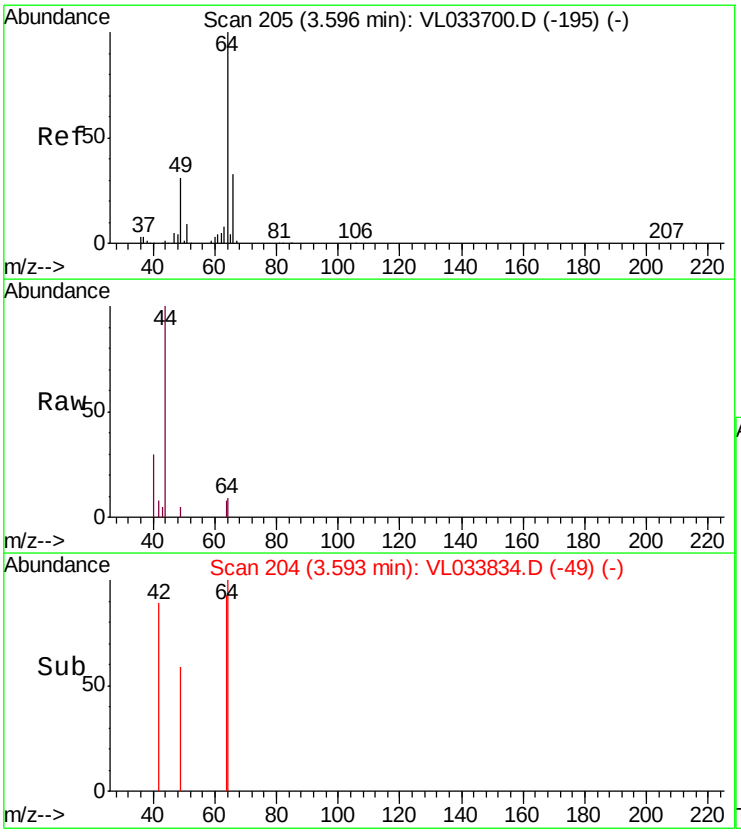
#5
Vinyl Chloride
Concen: 0.032 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.25 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 62 Resp: 1510

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.4	39.6#

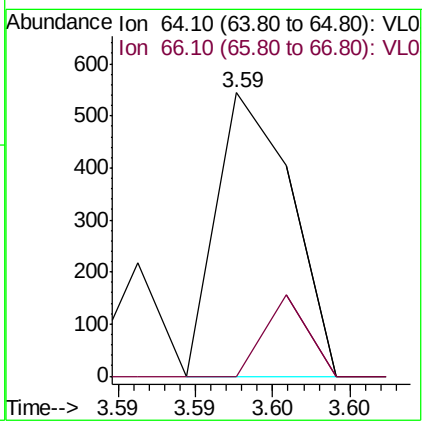


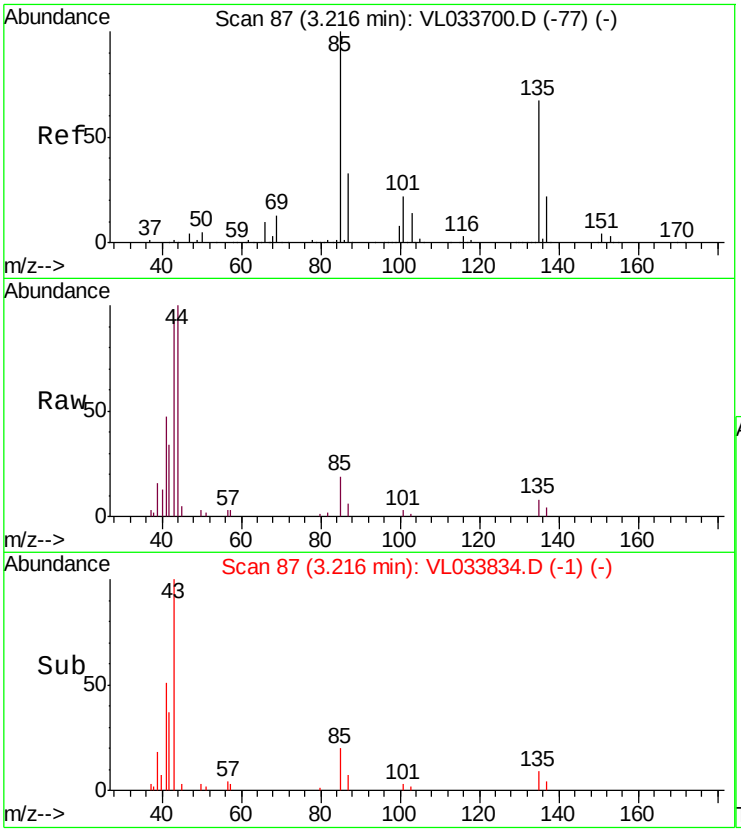


#7
Chloroethane
Concen: 0.011 ppbv
RT: 3.59 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 64 Resp: 183

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.6	40.0#



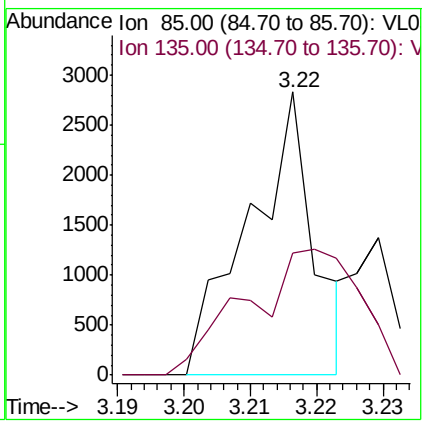


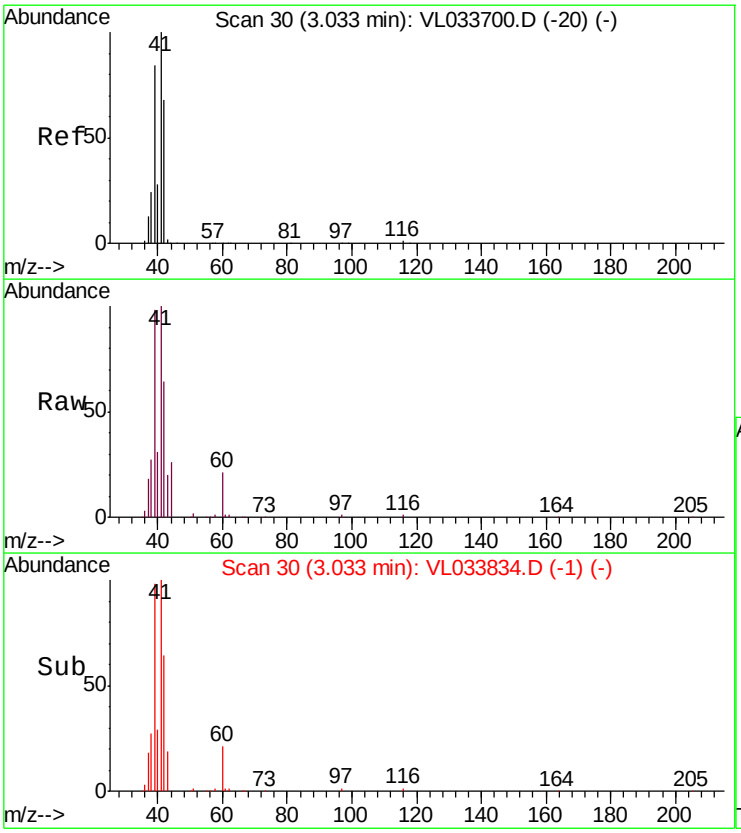
#8
Dichlorotetrafluoroethane
Concen: 0.016 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 85 Resp: 1935

Ion	Ratio	Lower	Upper
85	100		
135	77.1	54.5	81.7

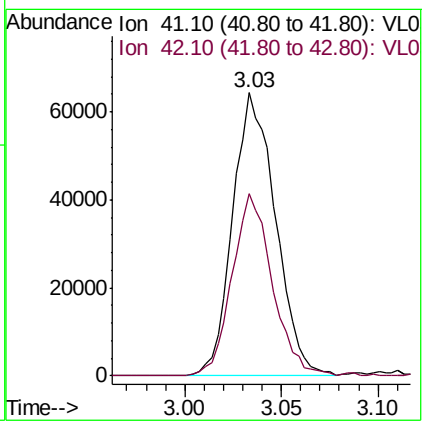


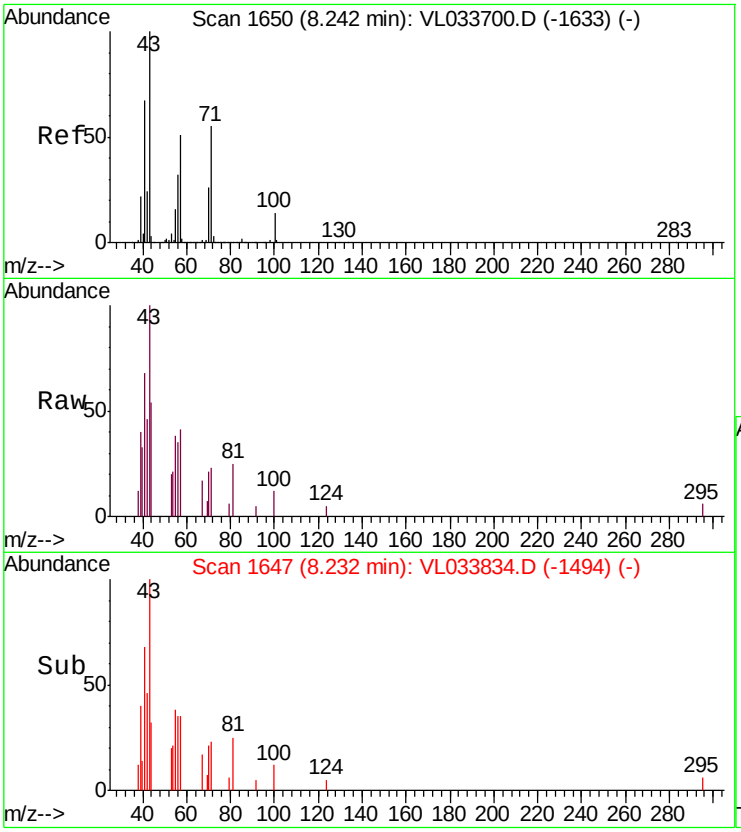


#9
Propene
Concen: 2.872 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 41 Resp: 99095

Ion	Ratio	Lower	Upper
41	100		
42	60.6	56.1	84.1



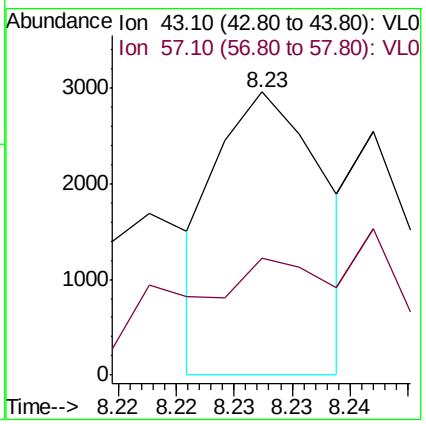


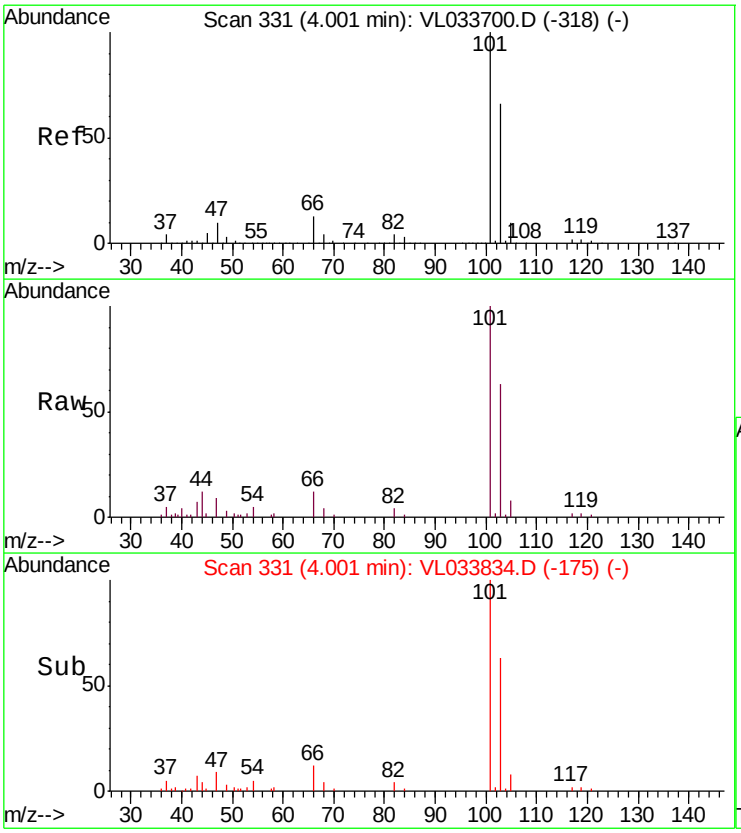
#10
Heptane
Concen: 0.019 ppbv
RT: 8.23 min Scan# 1647
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 43 Resp: 1895

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.0#

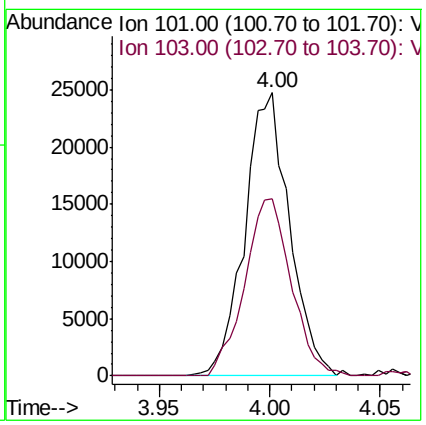


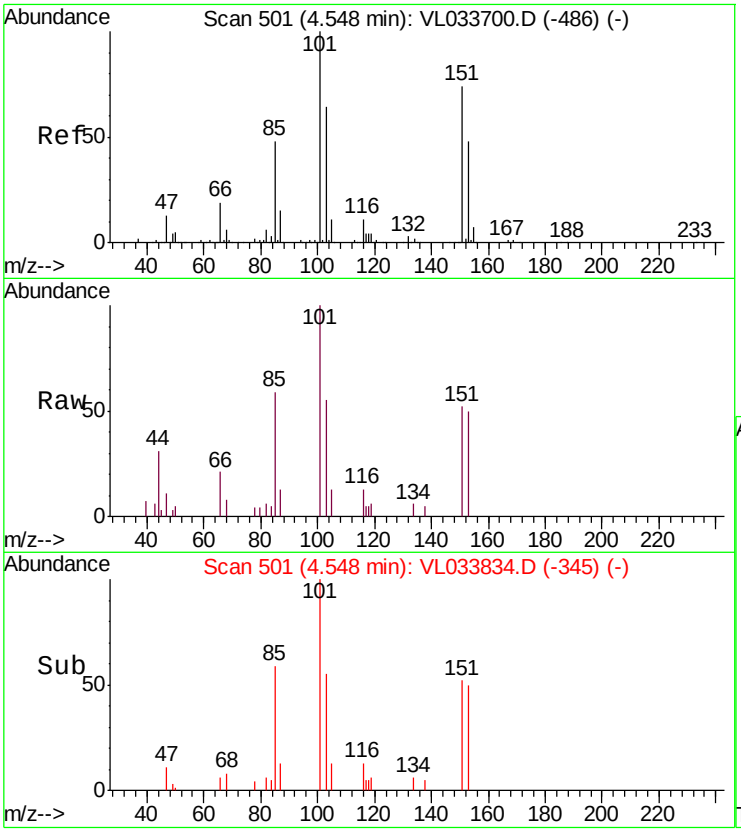


#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion:101 Resp: 34948

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.6	78.8



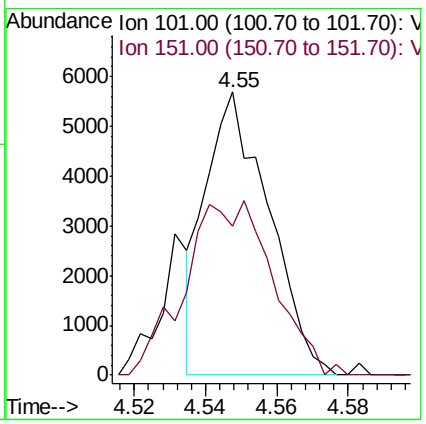


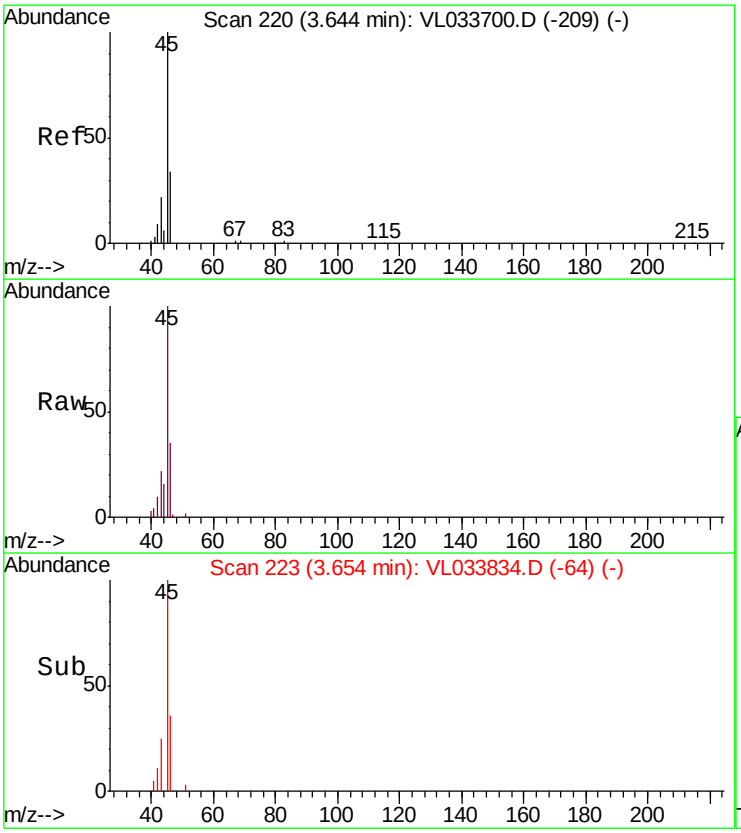
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.070 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion:101 Resp: 6976

Ion	Ratio	Lower	Upper
101	100		
151	85.6	58.2	87.4

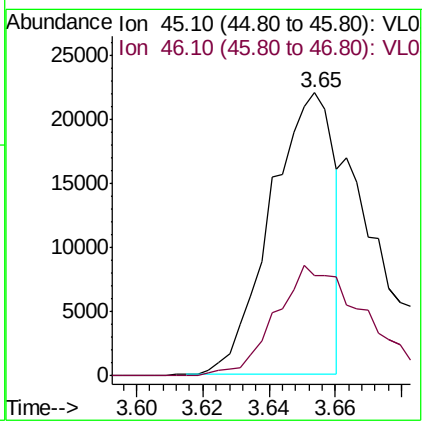


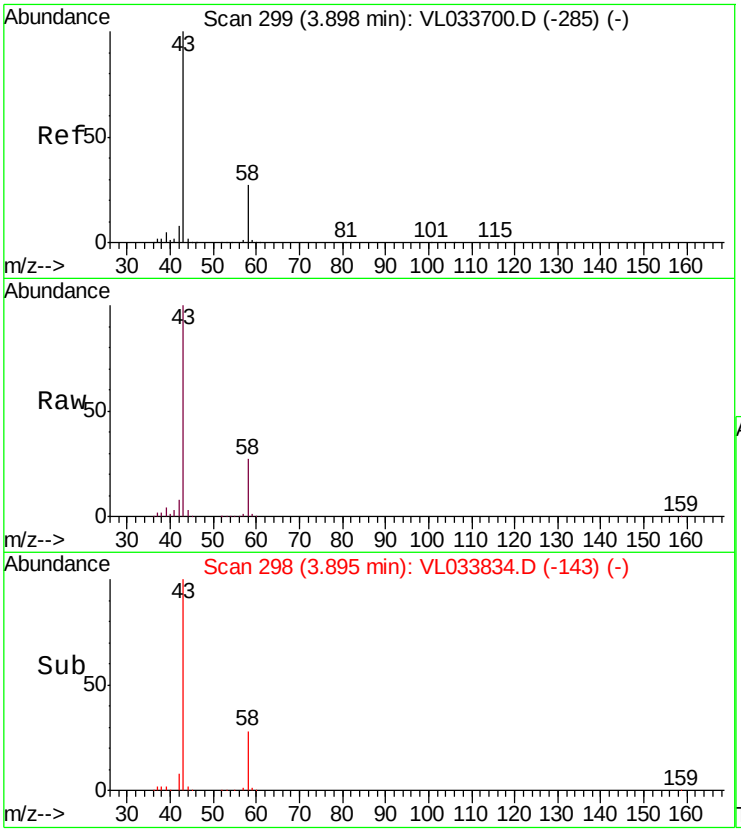


#13
Ethanol
Concen: 2.605 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 45 Resp: 29060

Ion	Ratio	Lower	Upper
45	100		
46	59.5	14.8	59.0#



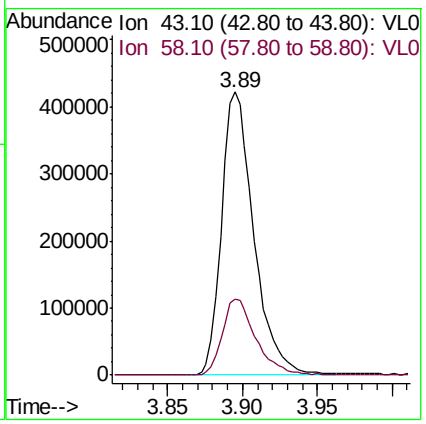


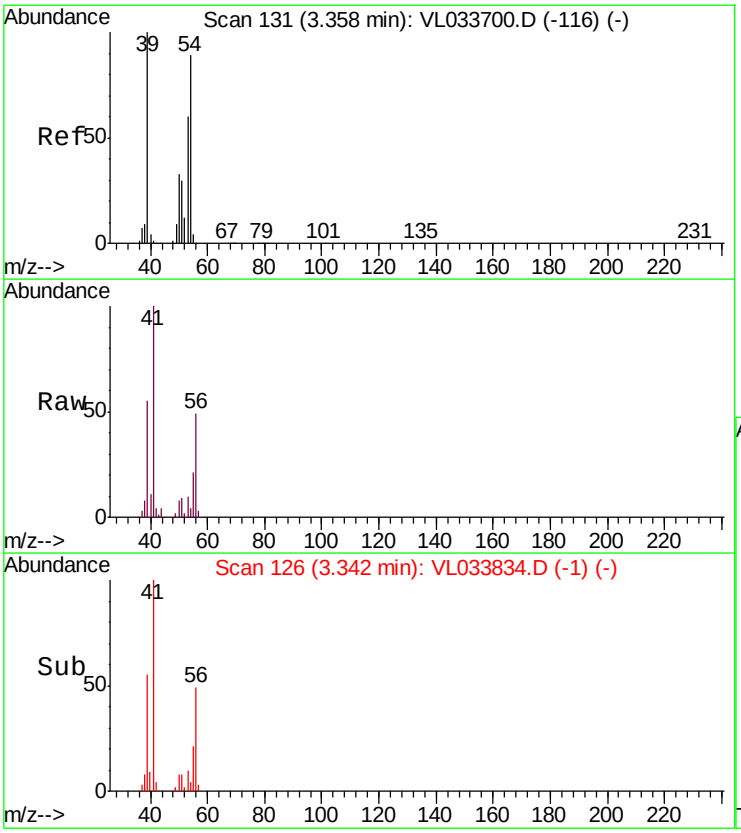
#15
Acetone
Concen: 6.440 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 43 Resp: 632829

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.3	31.9

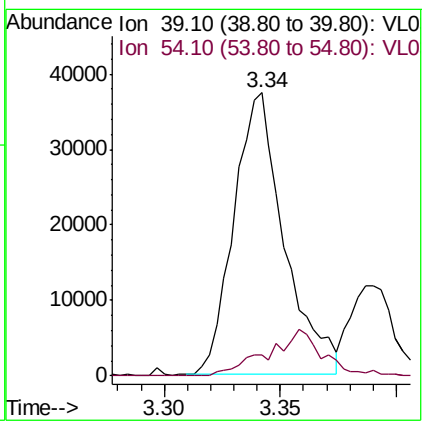


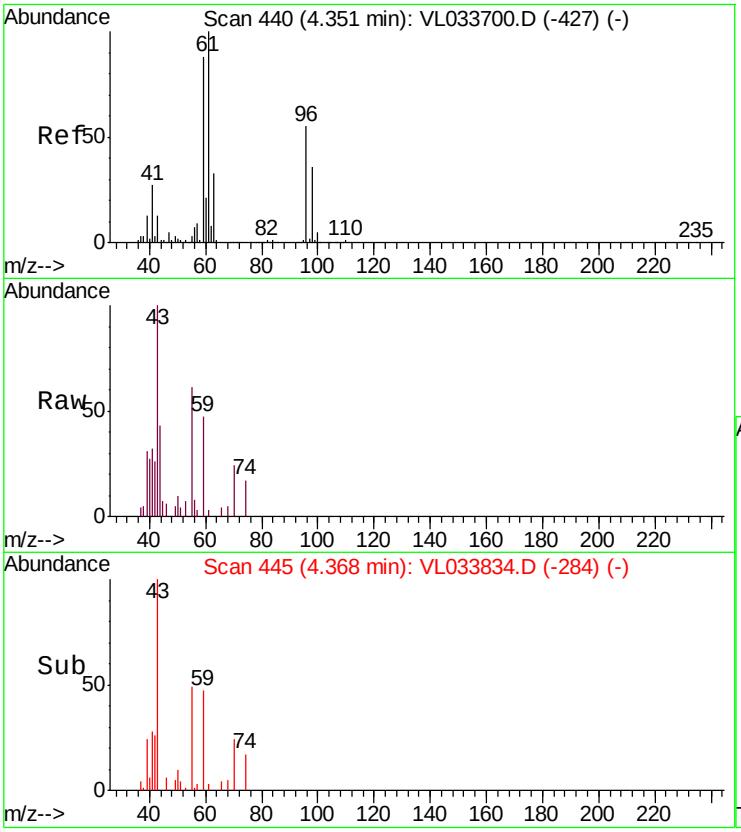


#16
1,3-Butadiene
Concen: 1.440 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 39 Resp: 56358

Ion	Ratio	Lower	Upper
39	100		
54	18.3	69.0	103.6#



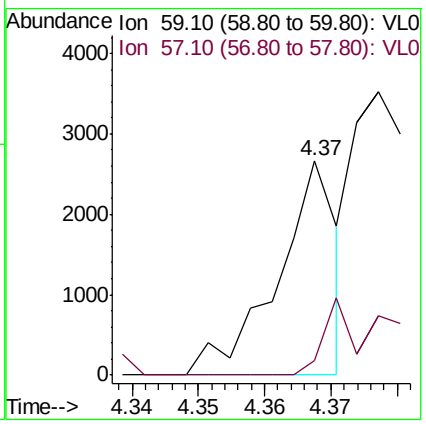


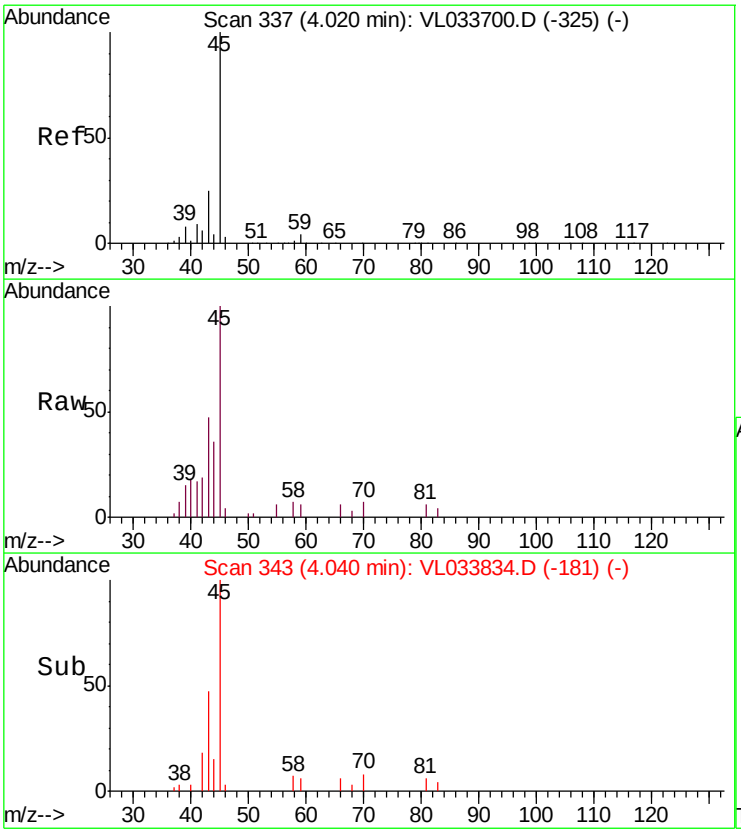
#17
tert-Butyl alcohol
Concen: 0.021 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 59 Resp: 1659

Ion	Ratio	Lower	Upper
59	100		
57	50.0	8.4	12.6#

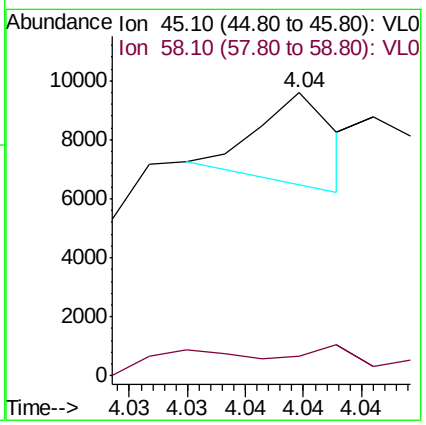


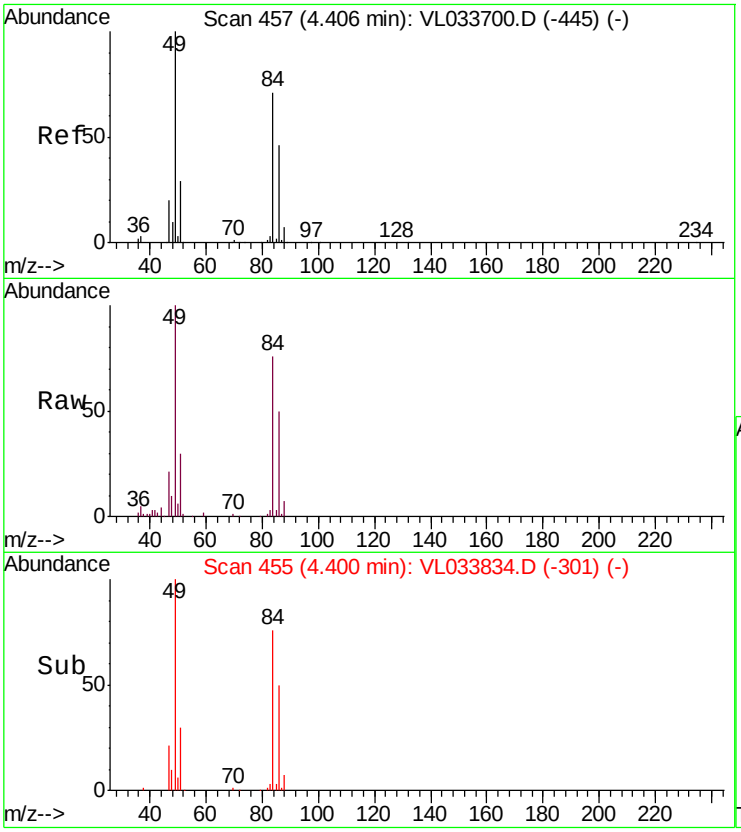


#19
Isopropyl Alcohol
Concen: 0.021 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 45 Resp: 1332

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#



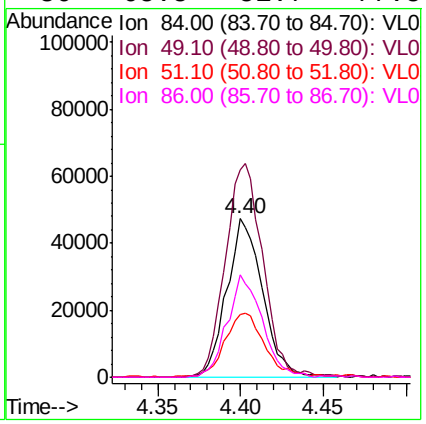


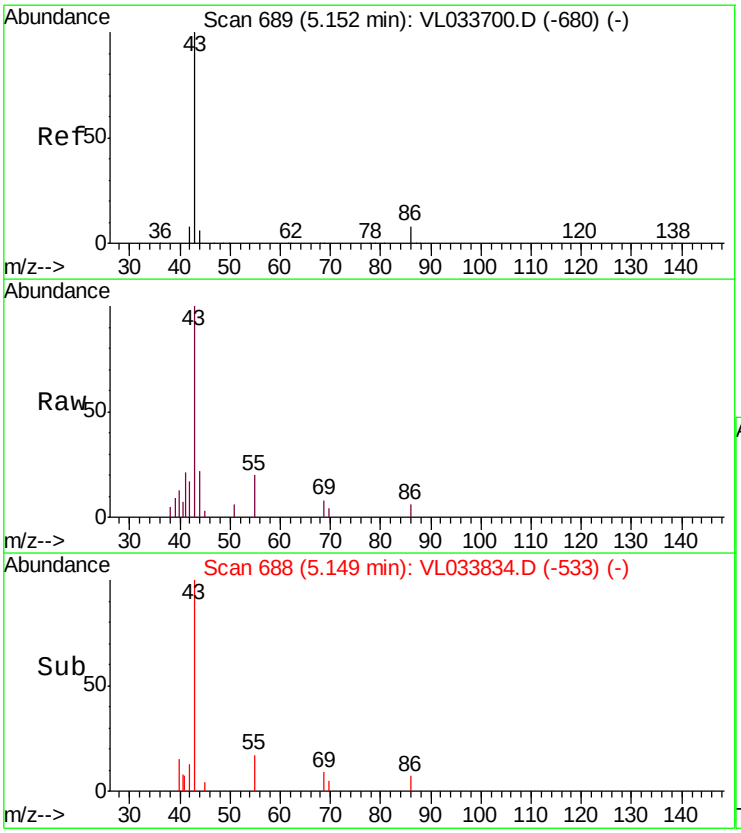
#20
Methylene Chloride
Concen: 1.885 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 84 Resp: 71327

Ion	Ratio	Lower	Upper
84	100		
49	130.2	112.8	169.2
51	39.0	33.4	50.0
86	65.5	51.7	77.5

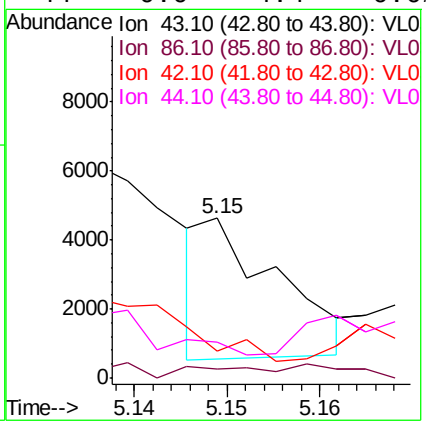


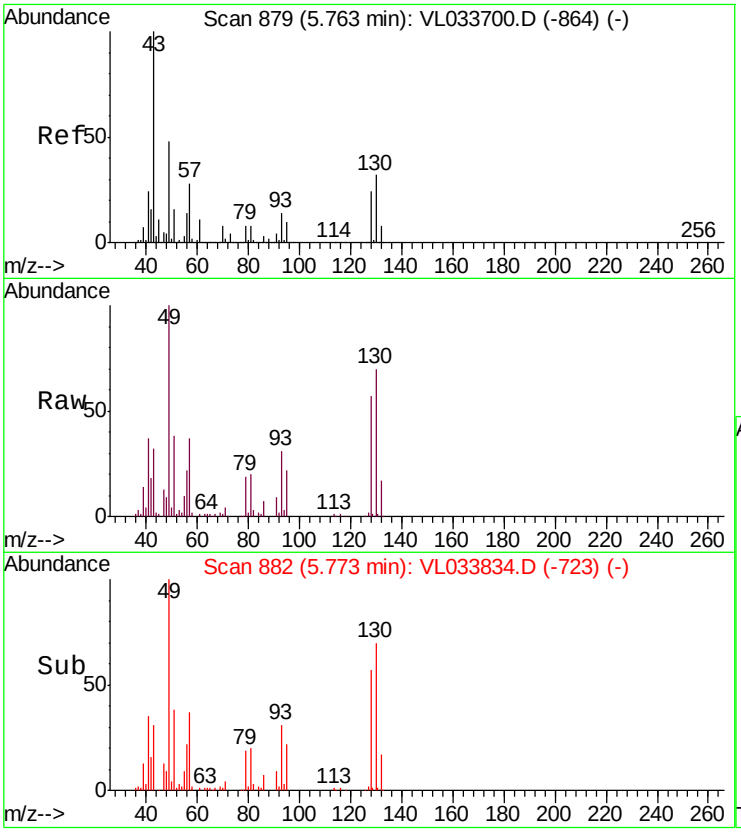


#23
Vinyl Acetate
Concen: 0.018 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 43 Resp: 2294

Ion	Ratio	Lower	Upper
43	100		
86	1.1	6.0	9.0#
42	0.0	7.5	11.3#
44	0.0	4.4	6.6#



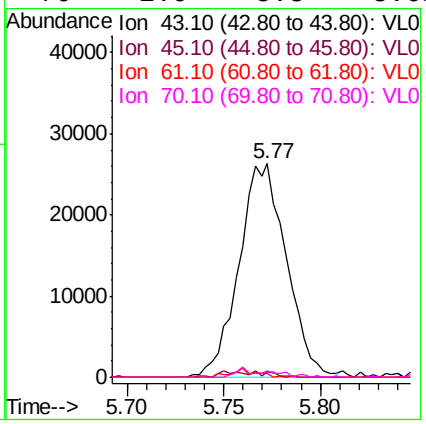


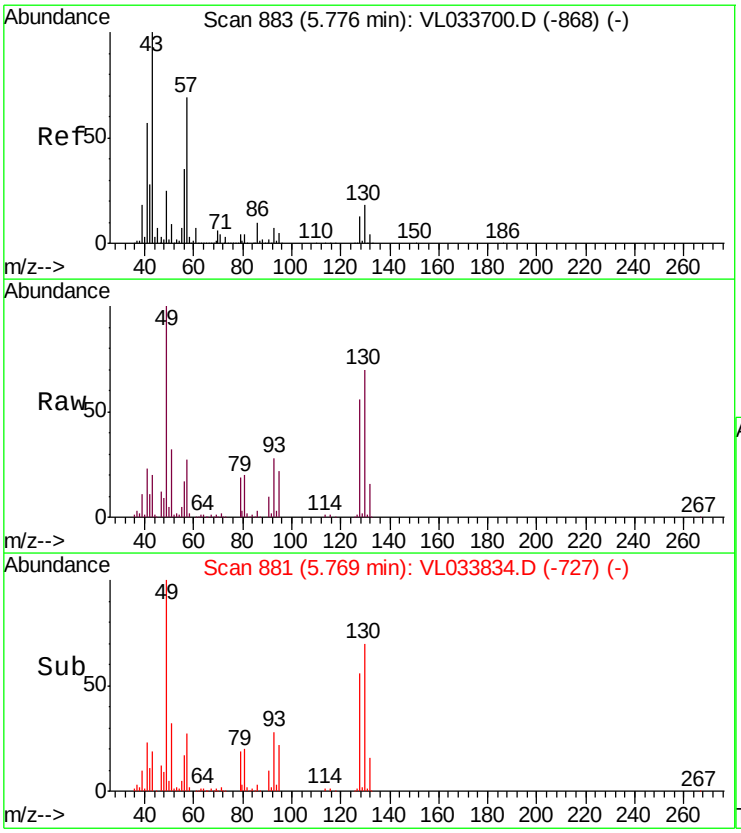
#25
Ethyl Acetate
Concen: 0.260 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 43 Resp: 44892

Ion	Ratio	Lower	Upper
43	100		
45	2.6	7.9	11.9#
61	2.3	7.7	11.5#
70	2.9	5.8	8.6#

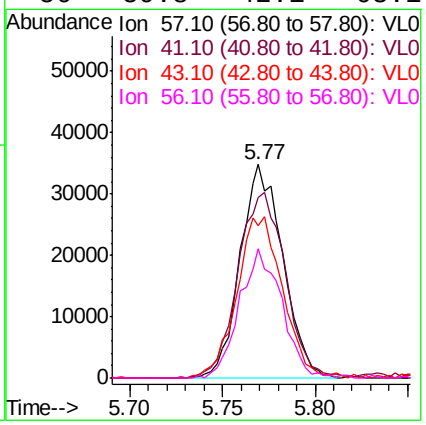


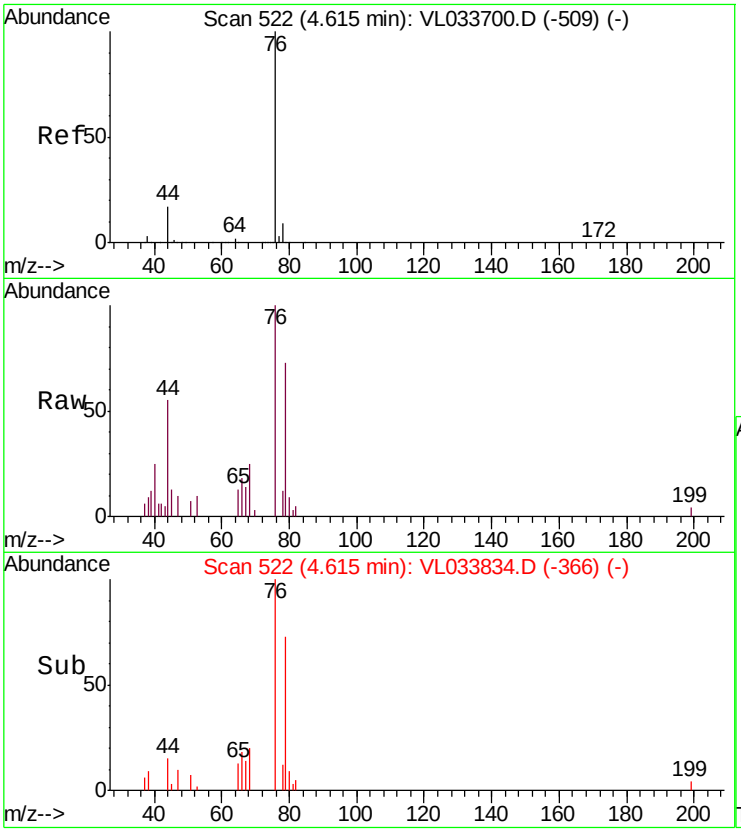


#26
Hexane
Concen: 0.753 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 57 Resp: 55906

Ion	Ratio	Lower	Upper
57	100		
41	96.5	69.8	104.6
43	81.0	181.8	272.6#
56	59.8	42.1	63.1



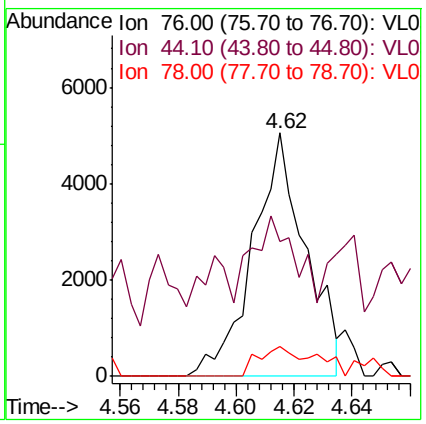


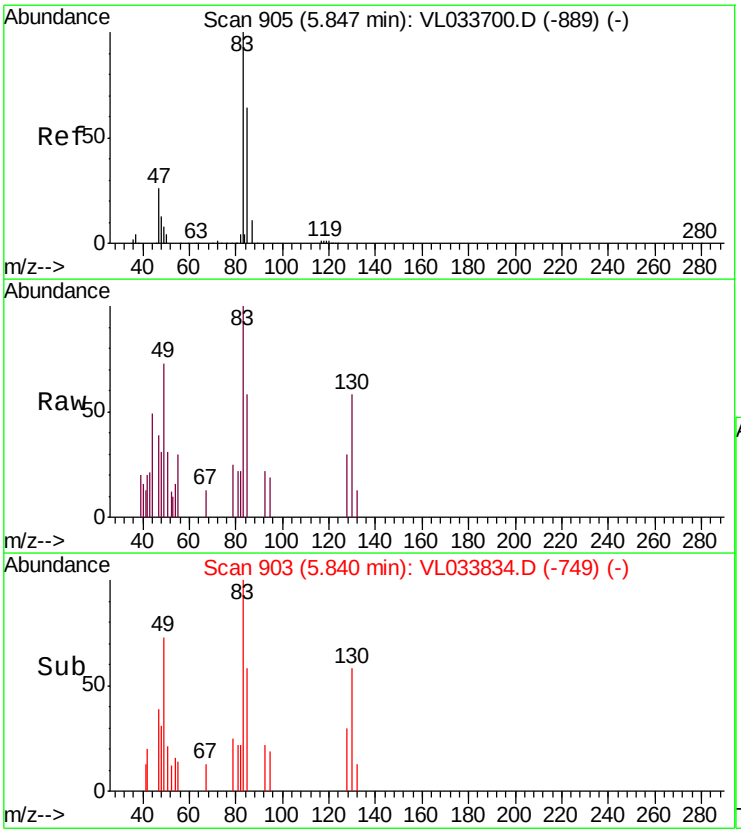
#27
Carbon Disulfide
Concen: 0.062 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 76 Resp: 6359

Ion	Ratio	Lower	Upper
76	100		
44	44.3	13.8	20.8#
78	17.1	7.4	11.0#

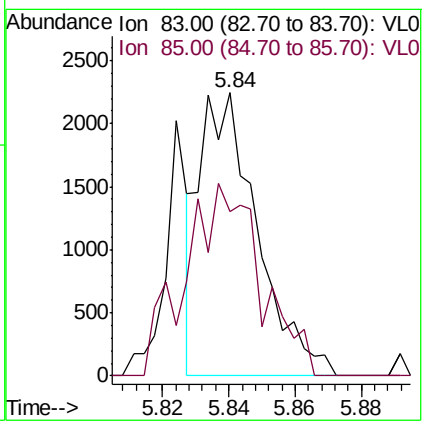


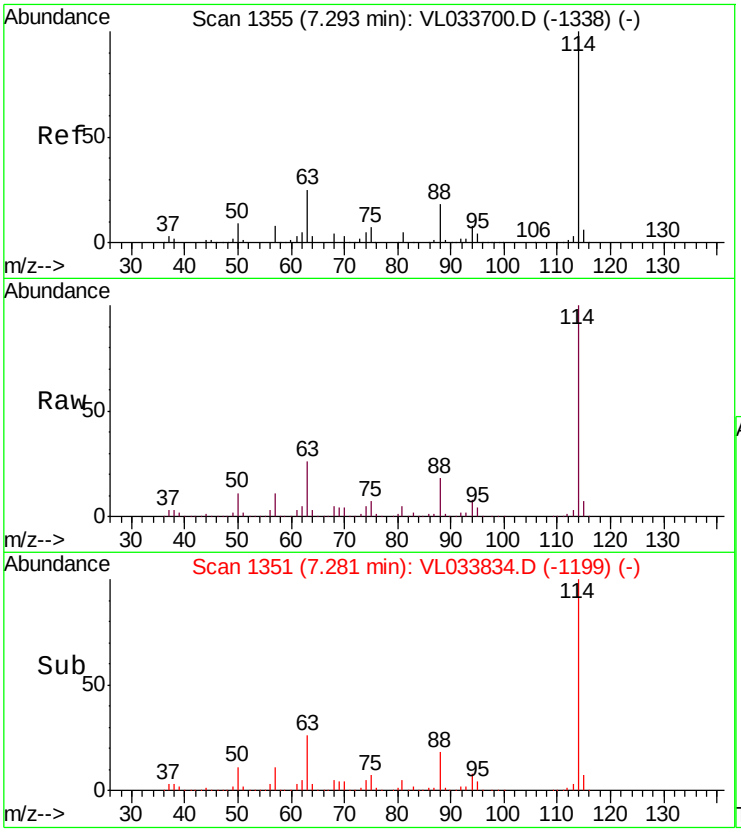


#29
Chloroform
Concen: 0.020 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 83 Resp: 2675

Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.5	77.3



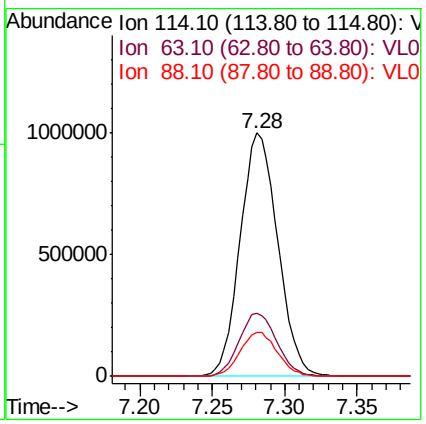


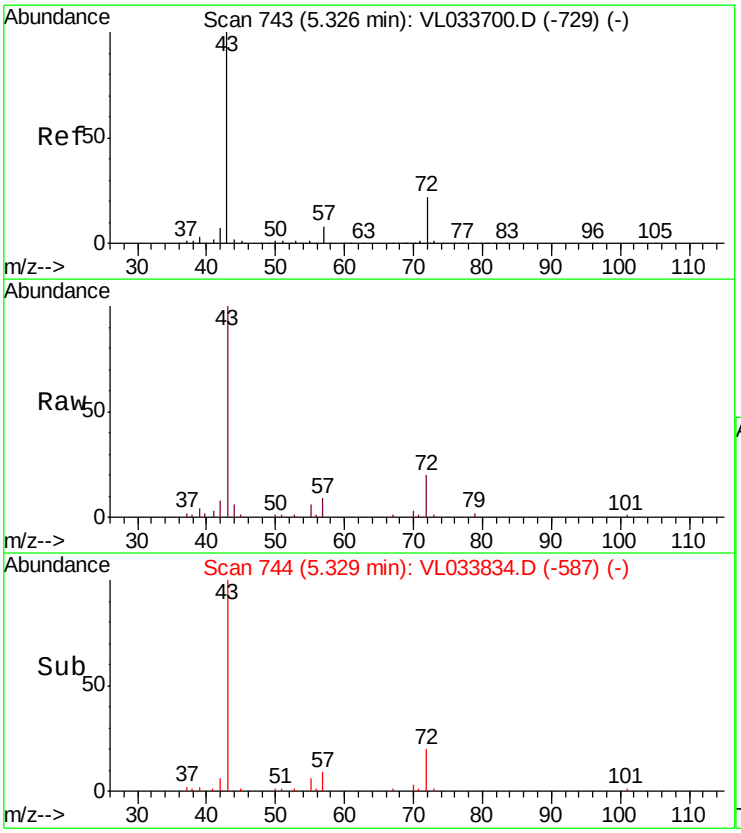
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion:114 Resp: 1803497

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.0	14.3	21.5

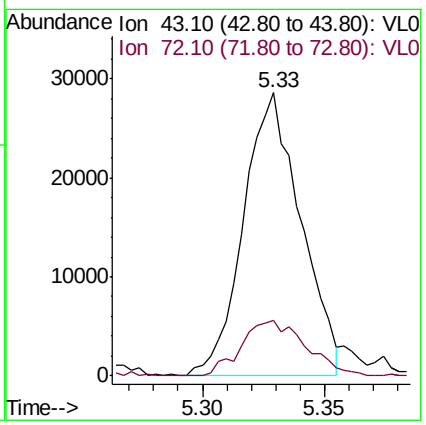


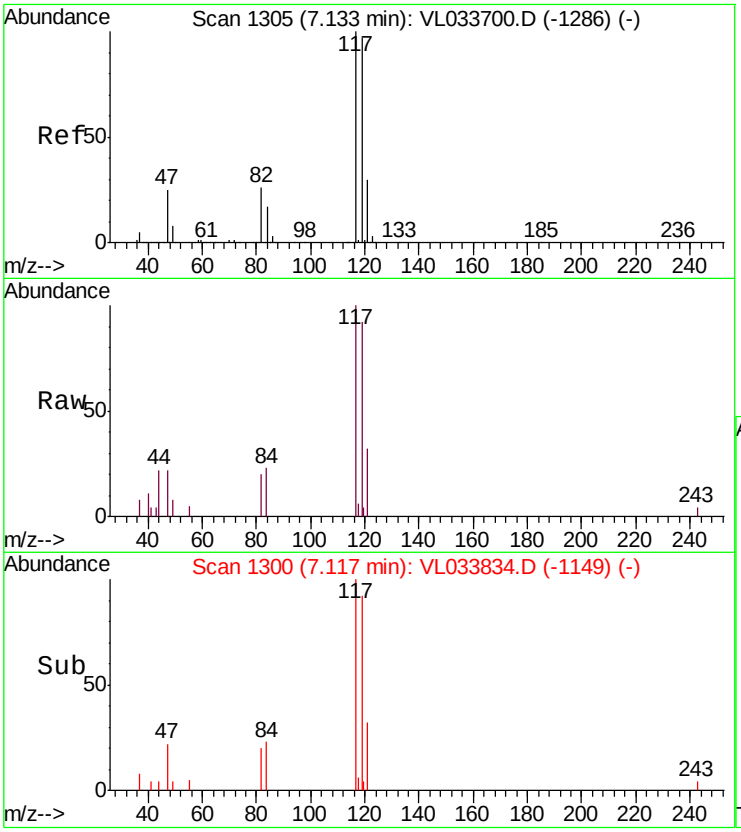


#34
2-Butanone
Concen: 0.417 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 43 Resp: 46597

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



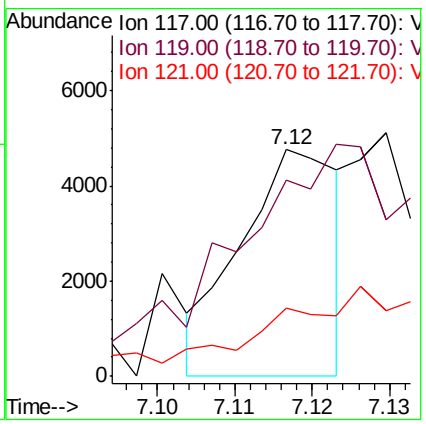


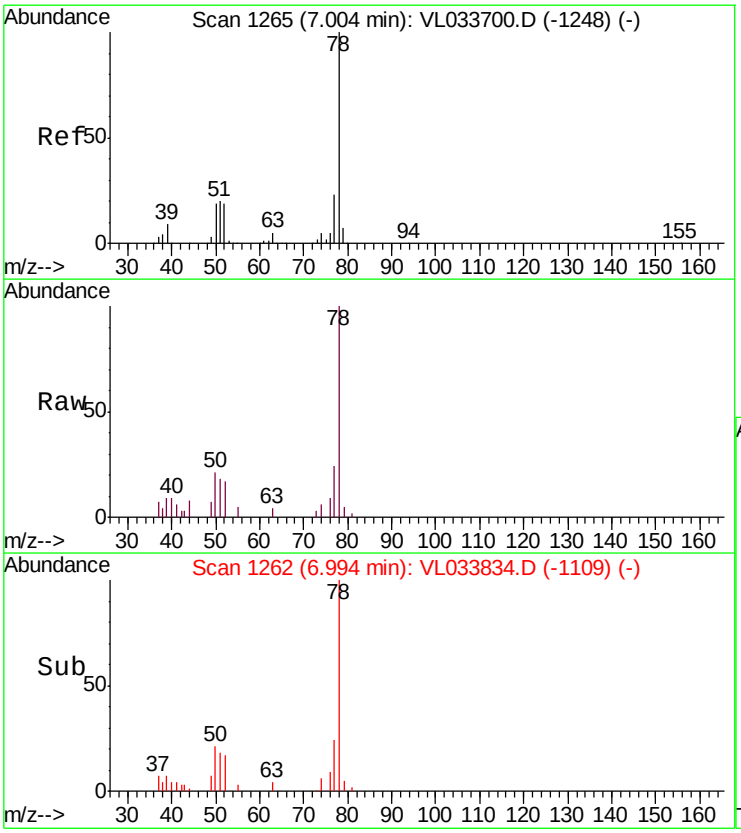
#35
Carbon Tetrachloride
Concen: 0.029 ppbv
RT: 7.12 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion:117 Resp: 4176

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	25.0	24.1	36.1

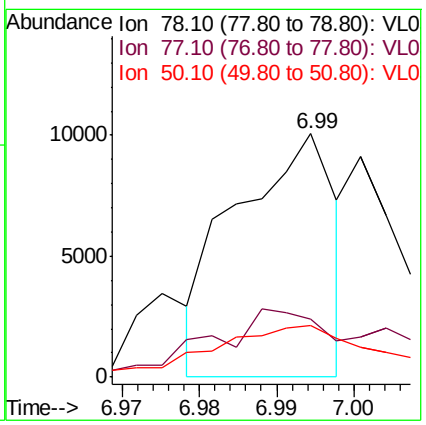


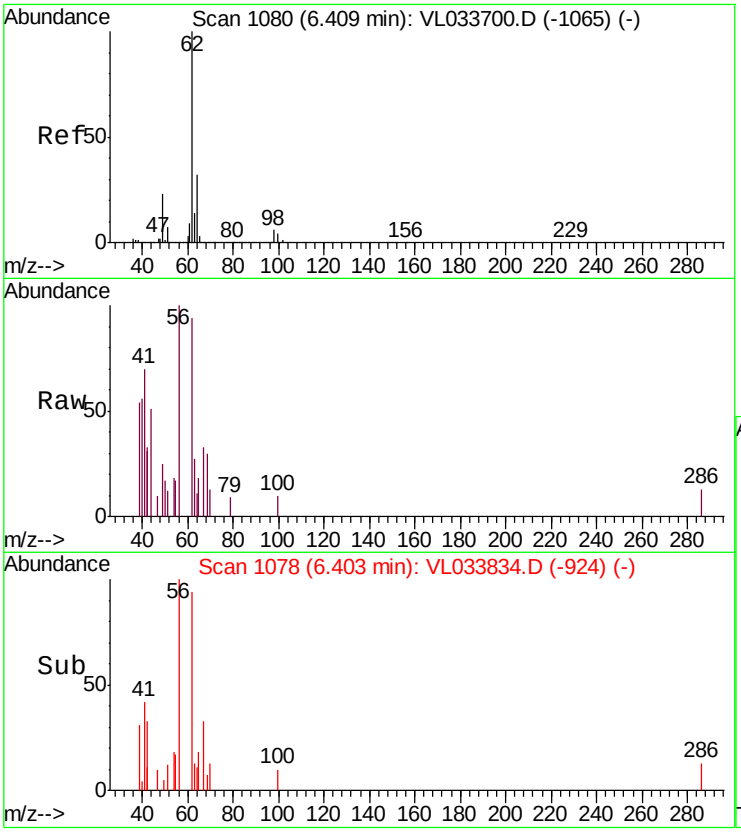


#36
Benzene
Concen: 0.055 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 78 Resp: 9052

Ion	Ratio	Lower	Upper
78	100		
77	12.9	18.4	27.6#
50	15.7	15.5	23.3



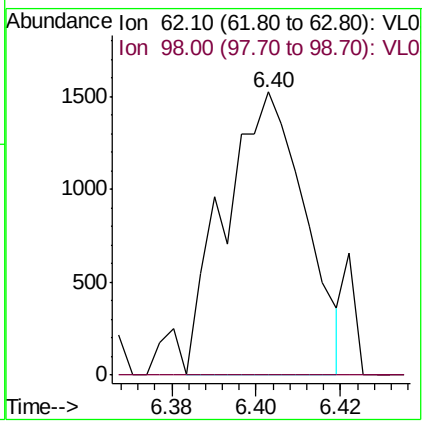


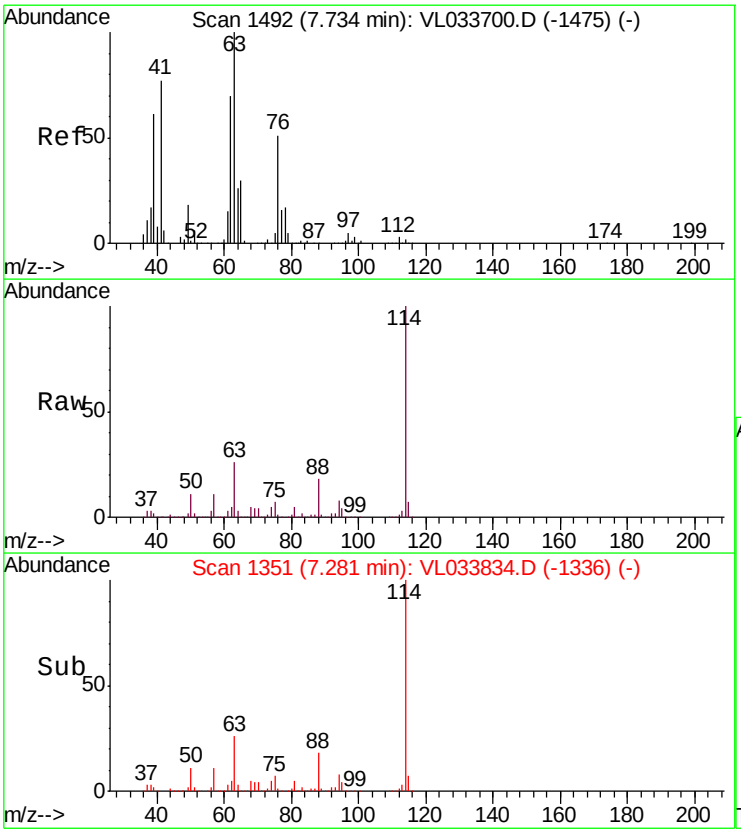
#37
1,2-Dichloroethane
Concen: 0.019 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 62 Resp: 2017

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#

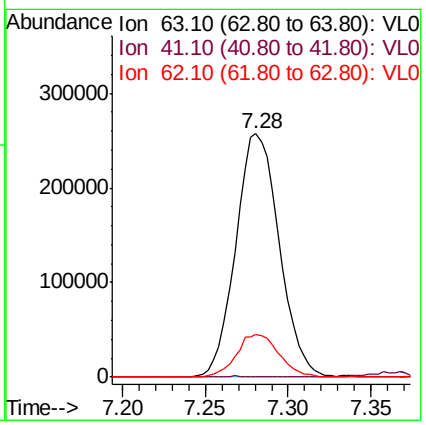


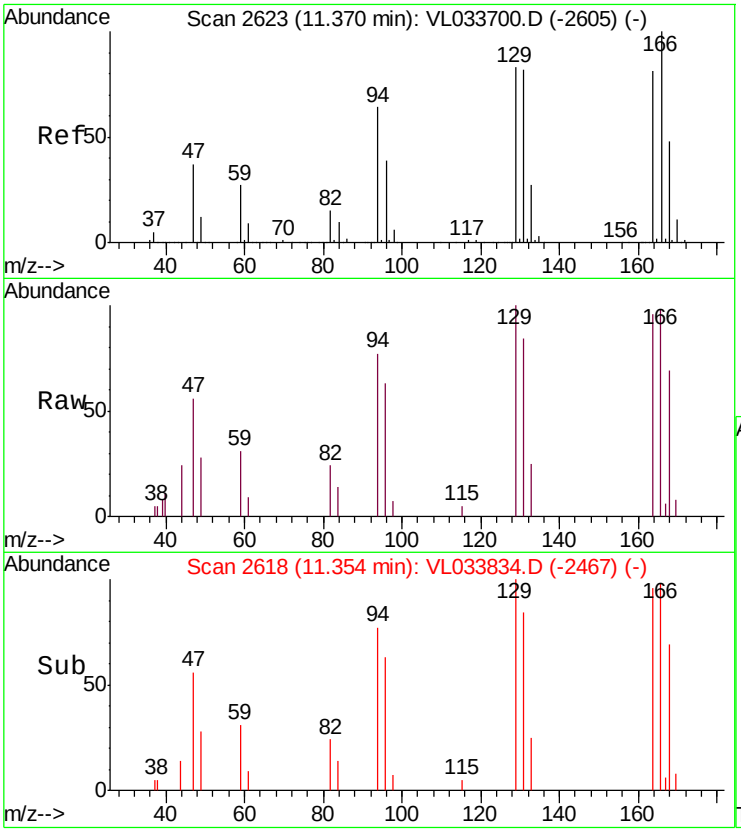


#39
1,2-Dichloropropane
Concen: 7.648 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.45 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 63 Resp: 467758

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.5	92.3#
62	17.7	56.2	84.4#



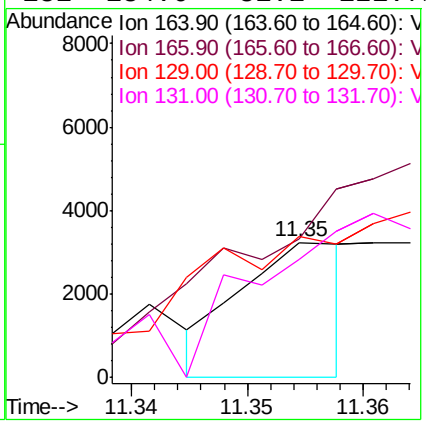


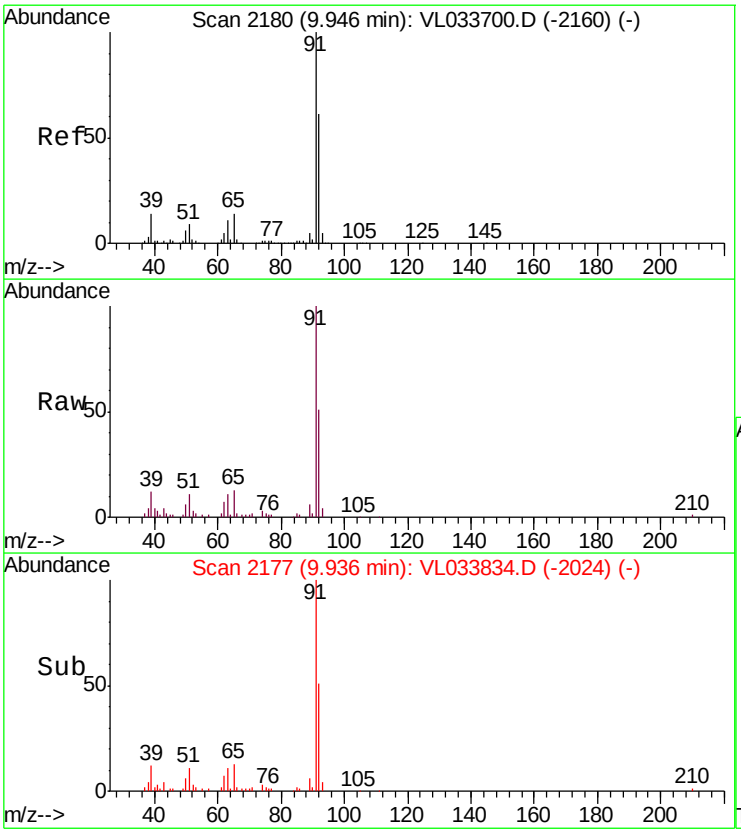
#52
Tetrachloroethene
Concen: 0.036 ppbv
RT: 11.35 min Scan# 2618
Delta R.T. -0.02 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion:164 Resp: 2061

Ion	Ratio	Lower	Upper
164	100		
166	51.1	98.9	148.3#
129	38.9	81.8	122.6#
131	134.6	81.1	121.7#

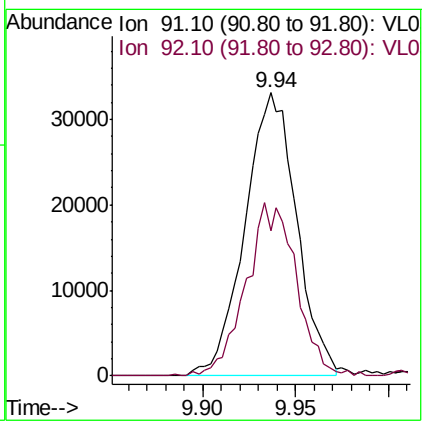


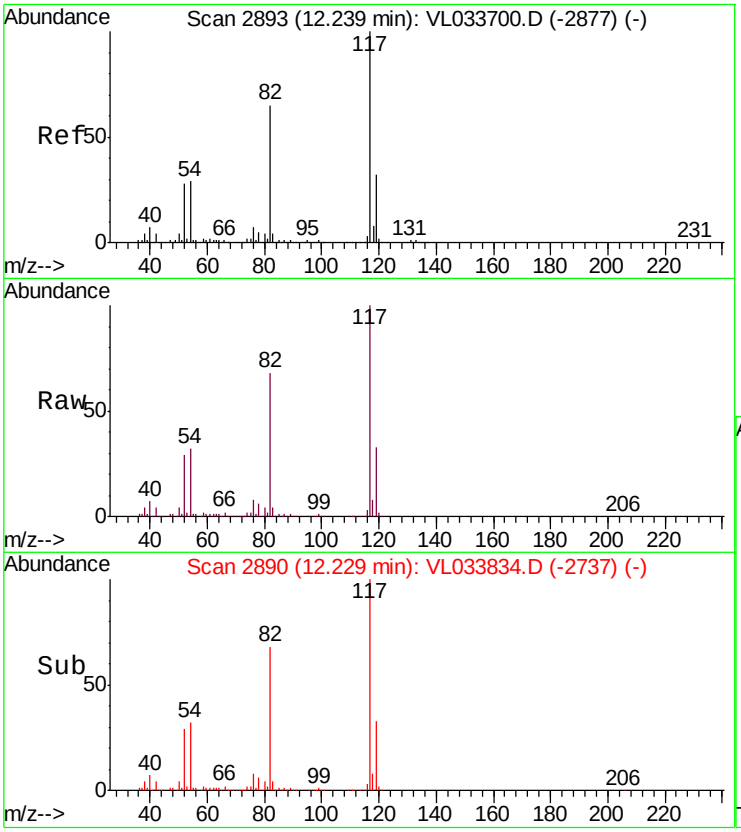


#53
Toluene
Concen: 0.363 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 91 Resp: 64301

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.6	71.4



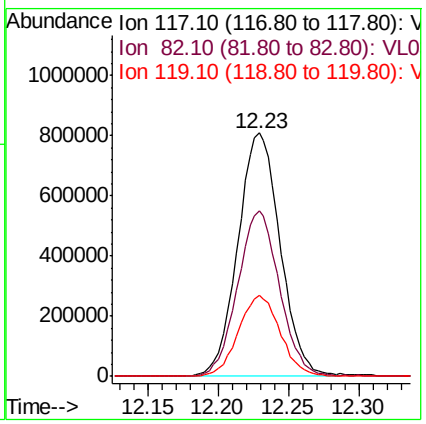


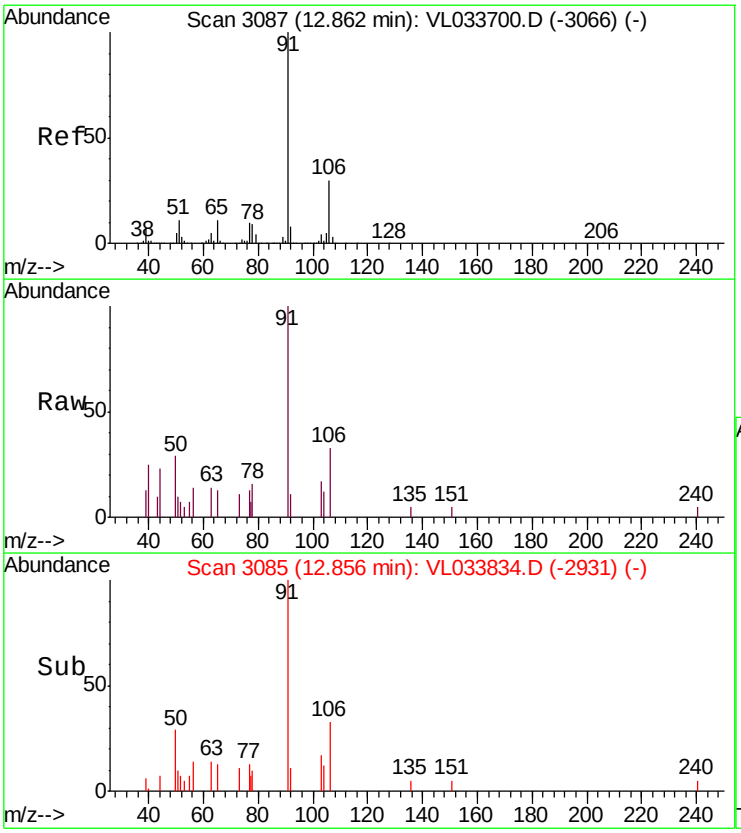
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion:117 Resp: 1695233

Ion	Ratio	Lower	Upper
117	100		
82	68.1	49.4	74.0
119	33.1	24.9	37.3

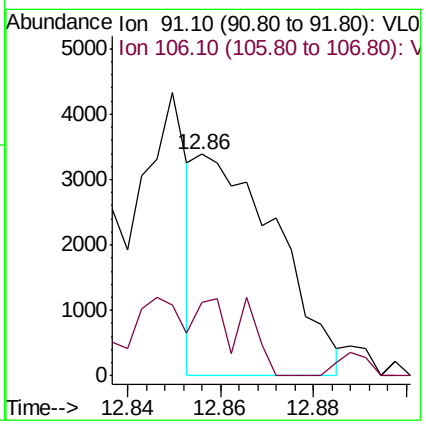


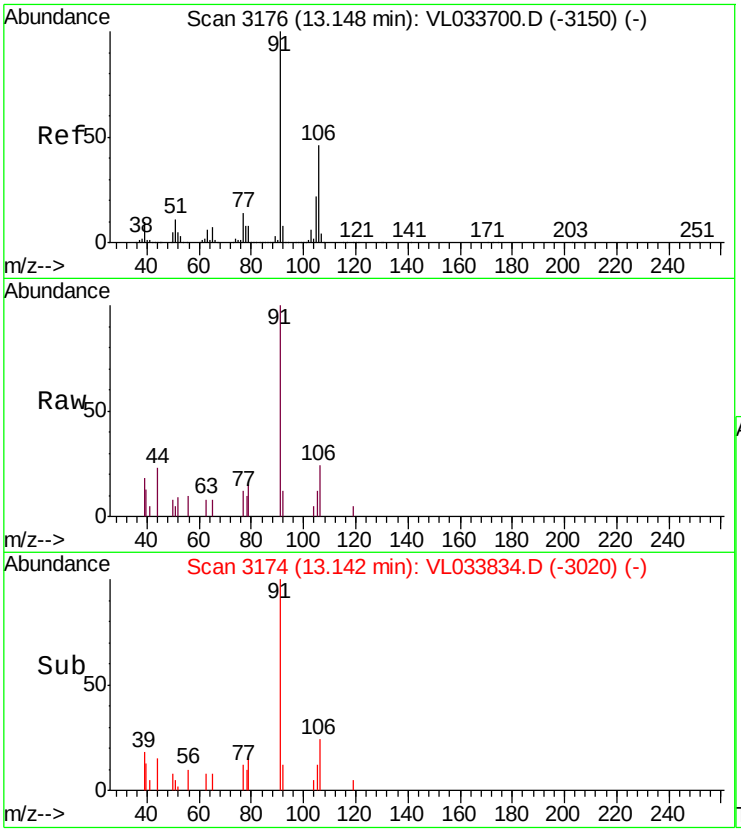


#58
Ethyl Benzene
Concen: 0.018 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 91 Resp: 4102

Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.9	35.9



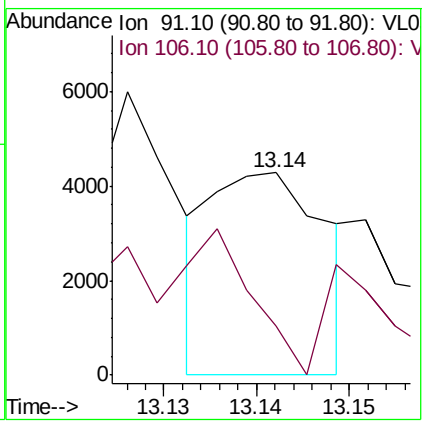


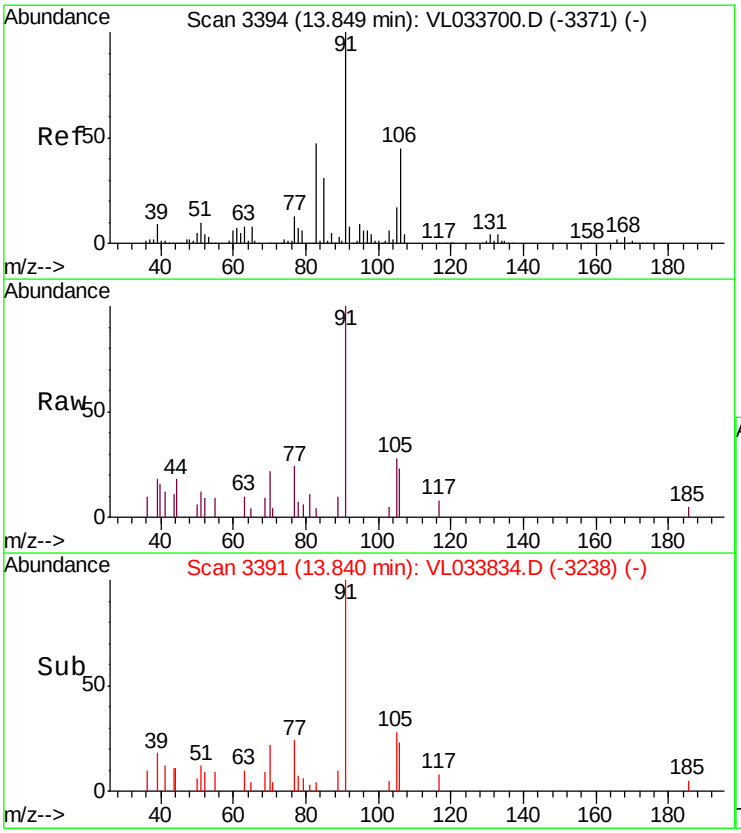
#59
m/p-Xylene
Concen: 0.019 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-25

Tgt Ion: 91 Resp: 3659

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#

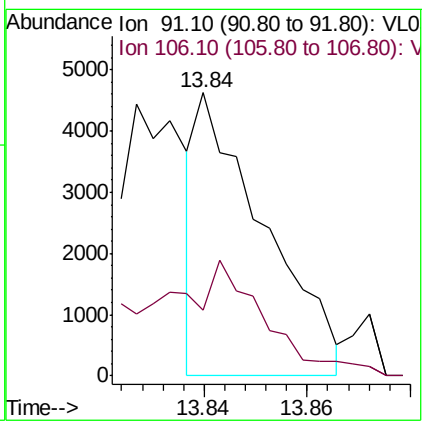


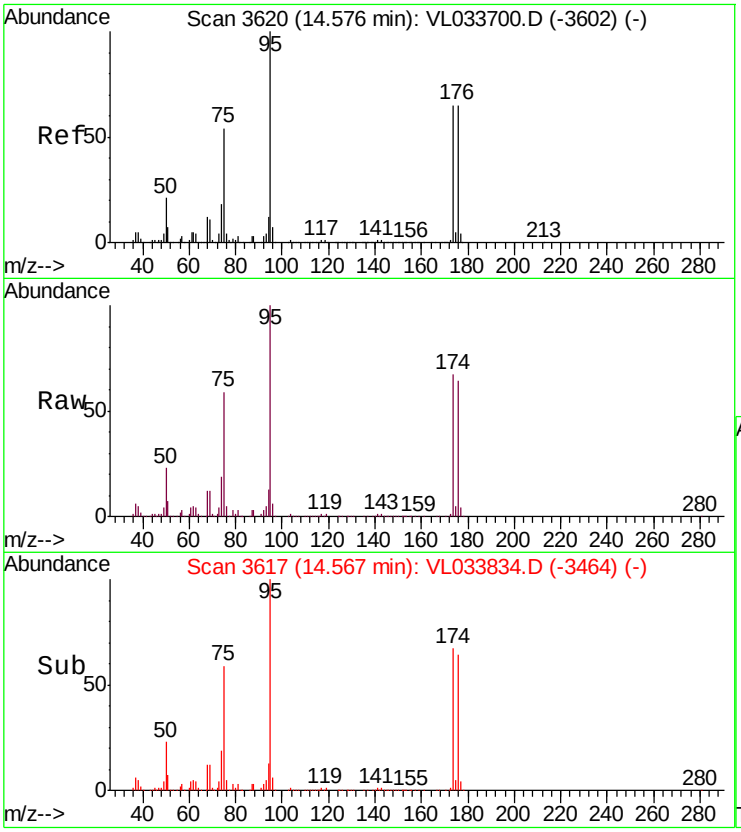


#60
o-Xylene
Concen: 0.021 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion: 91 Resp: 4217

Ion	Ratio	Lower	Upper
91	100		
106	79.2	21.6	64.8#



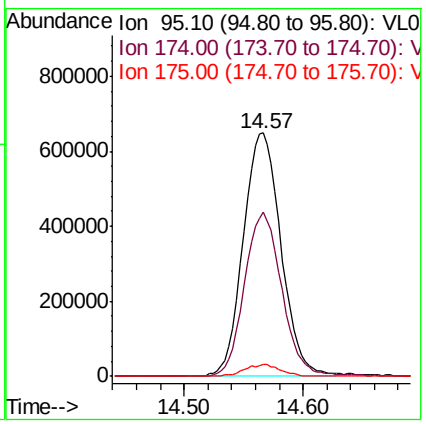


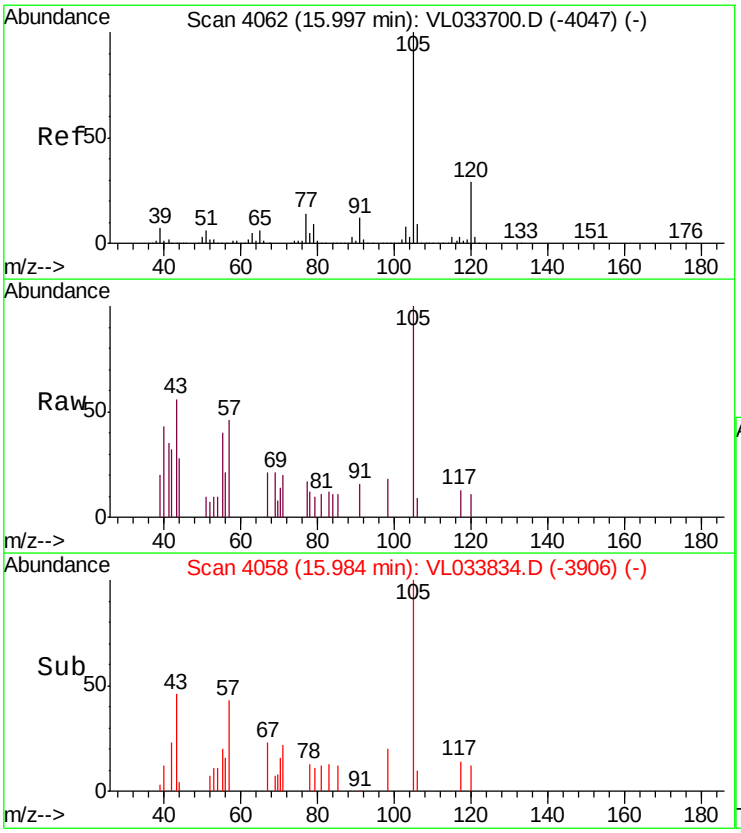
#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion: 95 Resp: 1423559

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.9	80.9
175	4.7	3.8	5.8

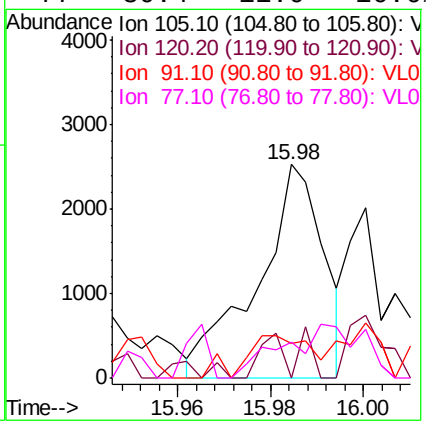


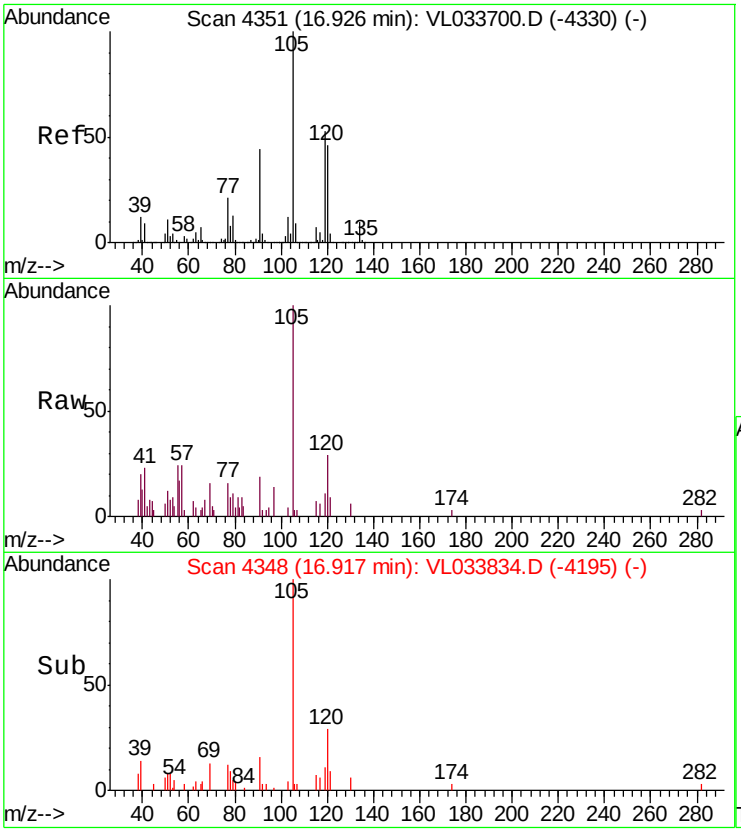


#72
4-Ethyltoluene
Concen: 0.011 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion:105 Resp: 2495

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.1	34.7#
91	0.0	10.4	15.6#
77	30.4	11.0	16.6#



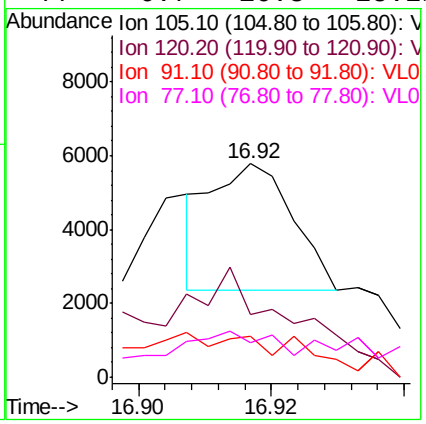


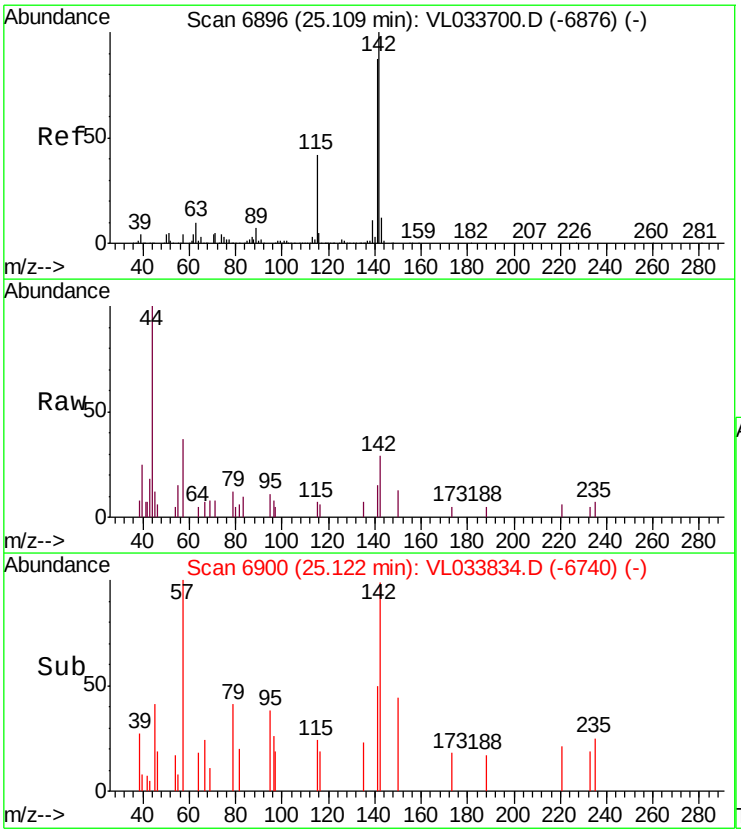
#74
1,2,4-Trimethylbenzene
Concen: 0.012 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-25

Tgt Ion:105 Resp: 2887

Ion	Ratio	Lower	Upper
105	100		
120	16.4	36.8	55.2#
91	18.7	35.4	53.0#
77	6.7	16.8	25.2#





#80
Naphthalene,2-methyl-
Concen: 0.013 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033834.D
Acq: 29 May 2019 12:09

Tgt Ion:142 Resp: 1079

Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.2	100.8
115	10.3	34.1	51.1#