Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033513.D
Acq On : 29 Mar 2019 22:14
Operator : SY/AP
Sample : K2042-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:13:21 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	820758	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1930913	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1910885	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1487645	9.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	51245	0.43	ppbv		95
3) Chlorodifluoromethane	2.99	51	8730997	92.40	ppbv	#	57
4) Chloromethane	3.17	50	11490	0.23	ppbv		96
7) Chloroethane	3.60	64	3343	0.18	ppbv	#	87
9) Propene	3.04	41	30889	0.78	ppbv		88
10) Heptane	8.24	43	6945	0.07	ppbv	#	27
11) Trichlorofluoromethane	4.00	101	43600	0.30	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4716	0.05	ppbv	#	59
13) Ethanol	3.68	45	4202088	409.22	ppbv		65
15) Acetone	3.90	43	1496187	15.16	ppbv		100
16) 1,3-Butadiene	3.34	39	23853	0.61	ppbv	#	17
17) tert-Butyl alcohol	4.38	59	14346	0.79	ppbv	#	73
19) Isopropyl Alcohol	4.05	45	297925	4.77	ppbv	#	1
20) Methylene Chloride	4.41	84	922323	22.02	ppbv		95
22) trans-1,2-Dichloroethene	4.96	96	2615	0.06	ppbv	#	52
23) Vinyl Acetate	5.15	43	16261	0.12	ppbv	#	77
25) Ethyl Acetate	5.78	43	860349	4.70	ppbv	#	79
26) Hexane	5.78	57	1214303	14.92	ppbv	#	40
29) Chloroform	5.84	83	28228	0.20	ppbv		95
30) Cyclohexane	7.24	84	8283	0.13	ppbv	#	1
31) cis-1,2-Dichloroethene	5.63	61	5342	0.07	ppbv		95
34) 2-Butanone	5.33	43	67270	0.58	ppbv		97
35) Carbon Tetrachloride	7.13	117	5115	0.04	ppbv		97
36) Benzene	7.00	78	63731	0.39	ppbv	#	89
38) Trichloroethene	7.96	130	102986	1.69	ppbv		93
39) 1,2-Dichloropropane	7.29	63	517363	8.15	ppbv	#	23
41) Tetrahydrofuran	5.78	42	447027	7.01	ppbv	#	52
44) 2,2,4-Trimethylpentane	7.99	57	59196	0.21	ppbv	#	69
53) Toluene	9.94	91	365067	1.94	ppbv		97
58) Ethyl Benzene	12.86	91	12329	0.05	ppbv		92
59) m/p-Xylene	13.15	91	15562	0.07	ppbv	#	100
60) o-Xylene	13.85	91	10992	0.05	ppbv	#	33
74) 1,2,4-Trimethylbenzene	16.92	105	26006	0.10	ppbv	#	72

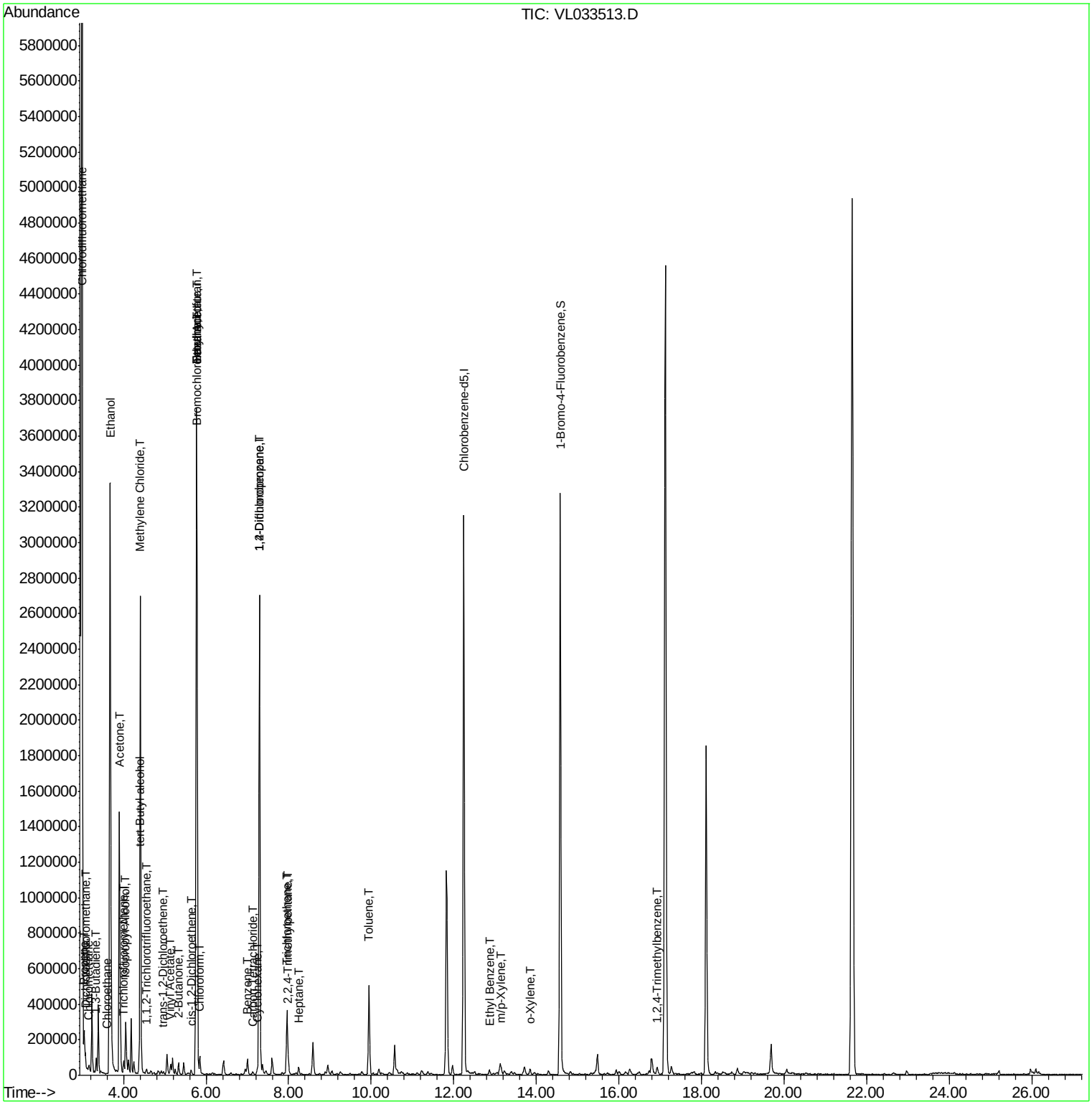
(#) = qualifier out of range (m) = manual integration (+) = signals summed

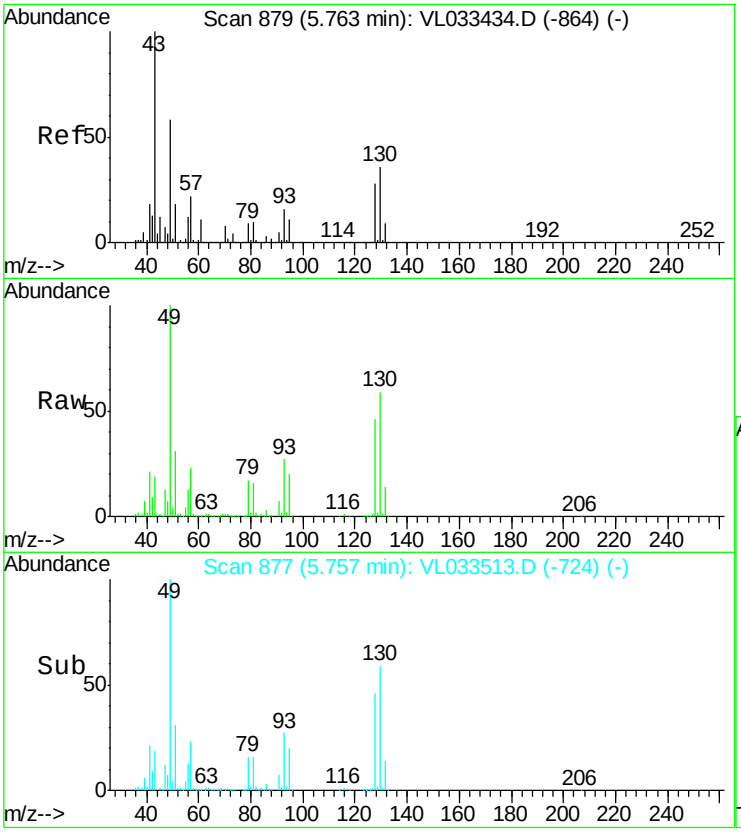
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033513.D
Acq On : 29 Mar 2019 22:14
Operator : SY/AP
Sample : K2042-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:13:21 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



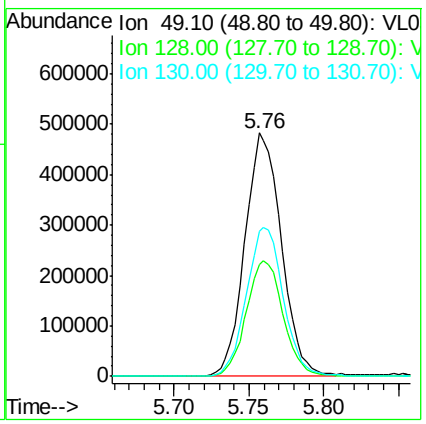


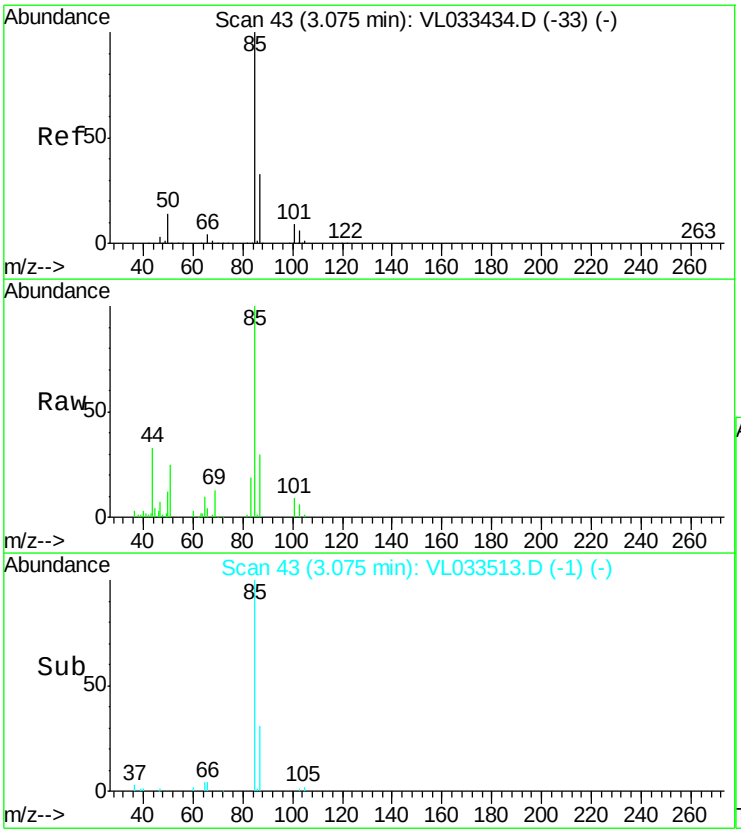
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 820758

Ion	Ratio	Lower	Upper
49	100		
128	48.0	24.0	72.0
130	62.0	31.2	93.6

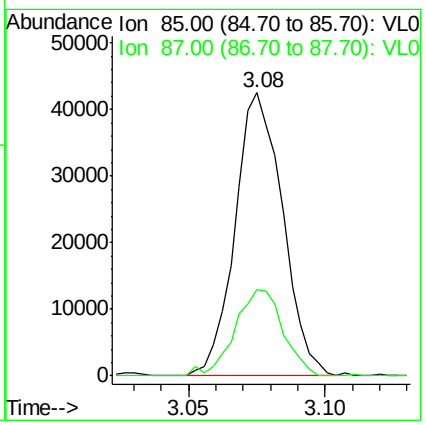


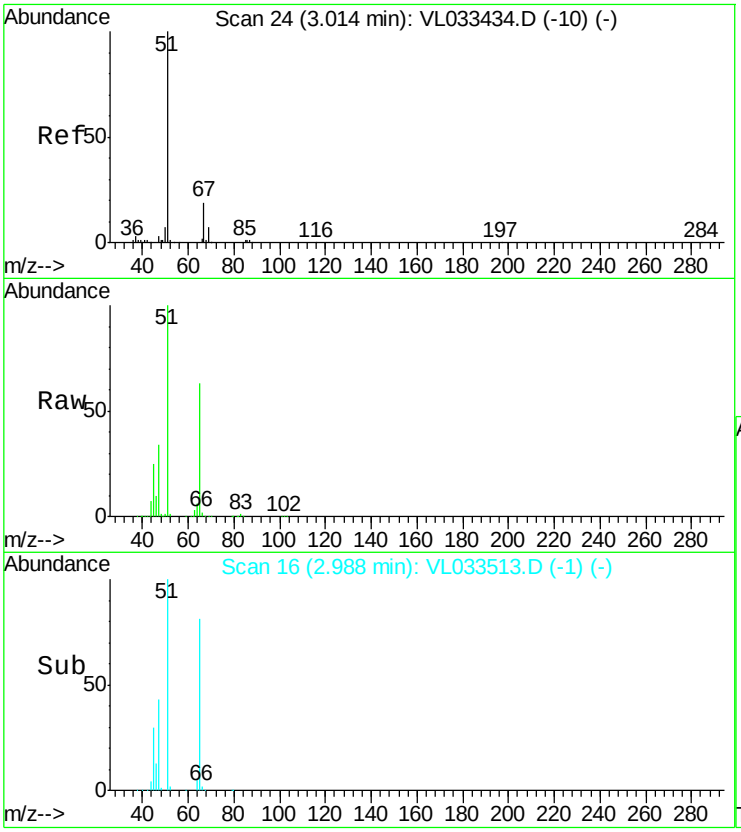


#2
Dichlorodifluoromethane
Concen: 0.43 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 85 Resp: 51245

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.7	40.1



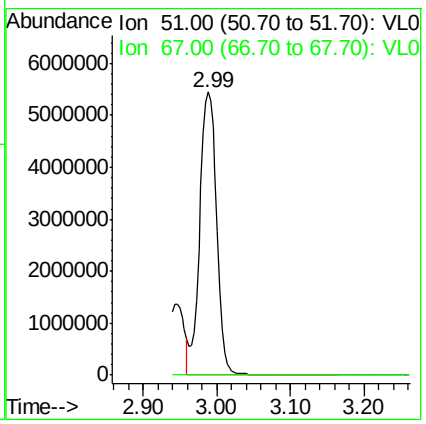


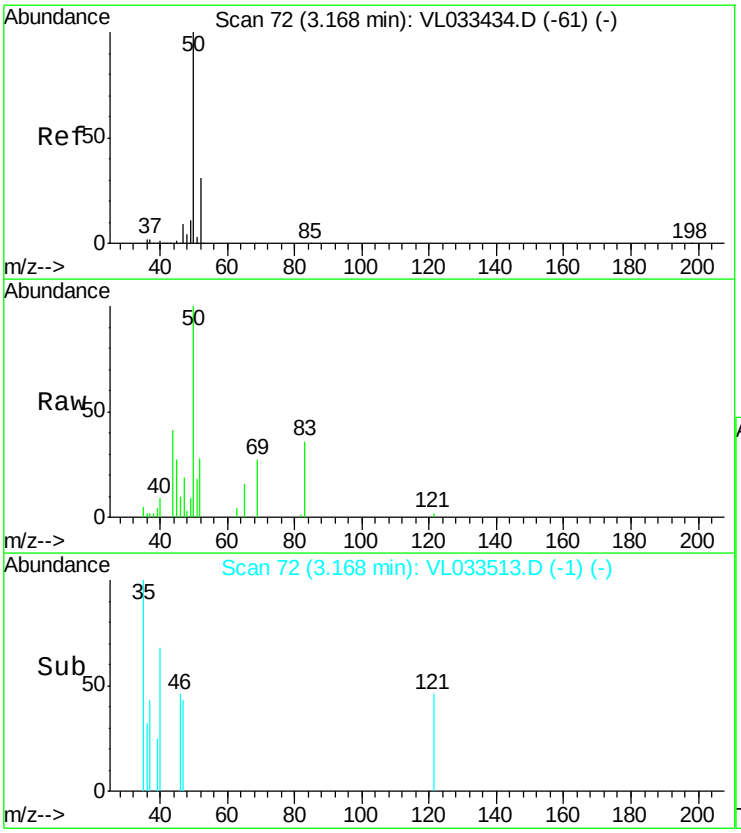
#3
Chlorodifluoromethane
Concen: 92.40 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 8730997

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.7	23.5#

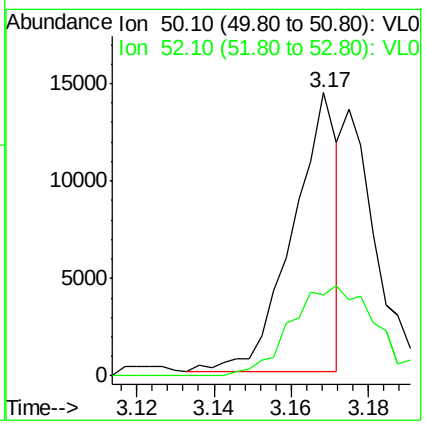


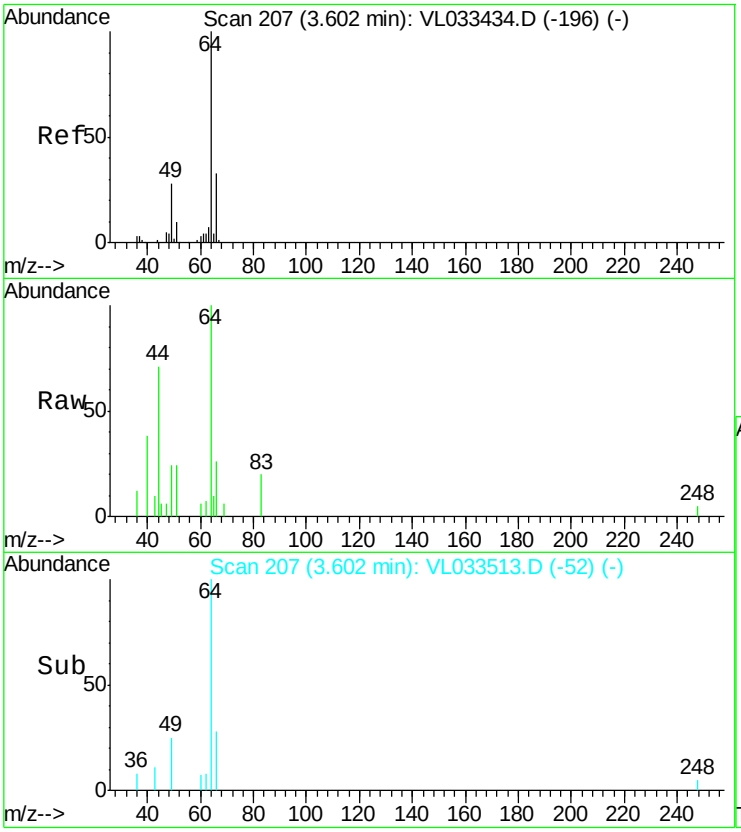


#4
Chloromethane
Concen: 0.23 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 50 Resp: 11490

Ion	Ratio	Lower	Upper
50	100		
52	28.9	25.0	37.6



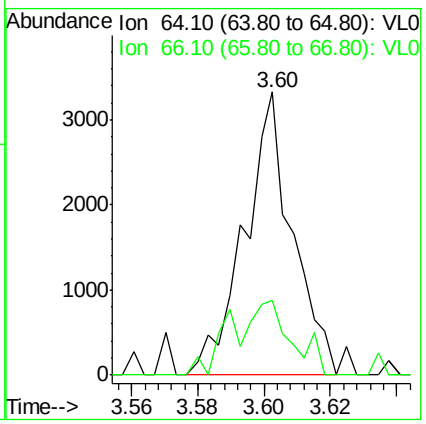


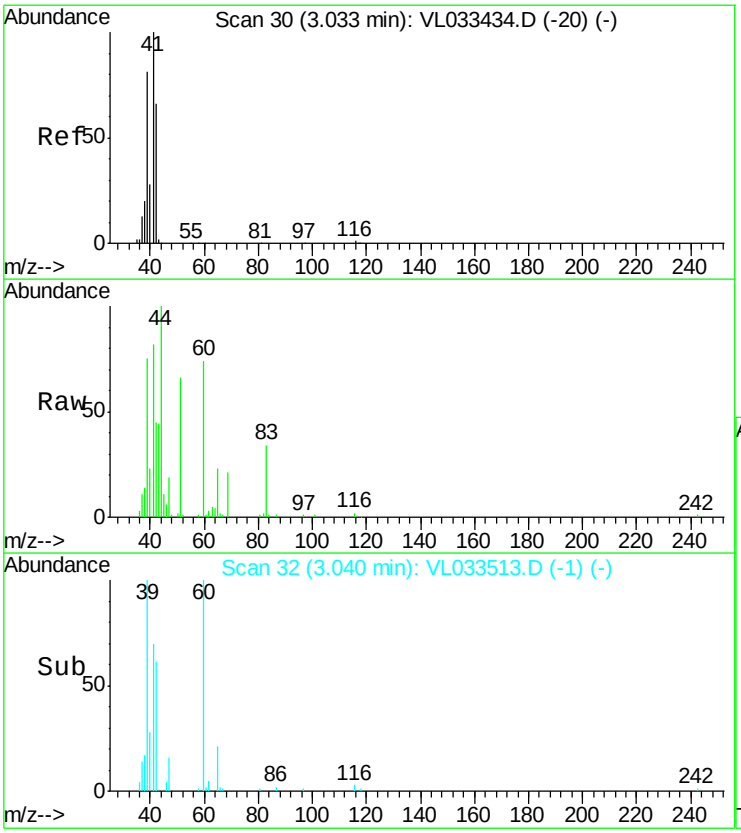
#7
Chloroethane
Concen: 0.18 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 3343

Ion	Ratio	Lower	Upper
64	100		
66	26.3	26.7	40.1#

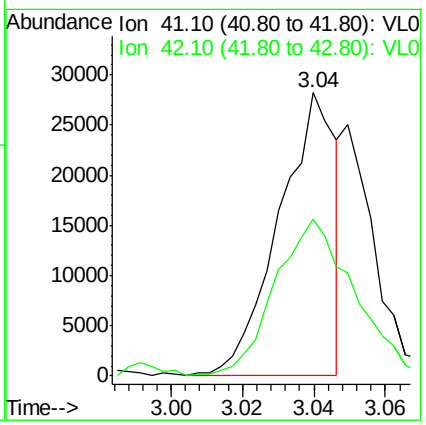


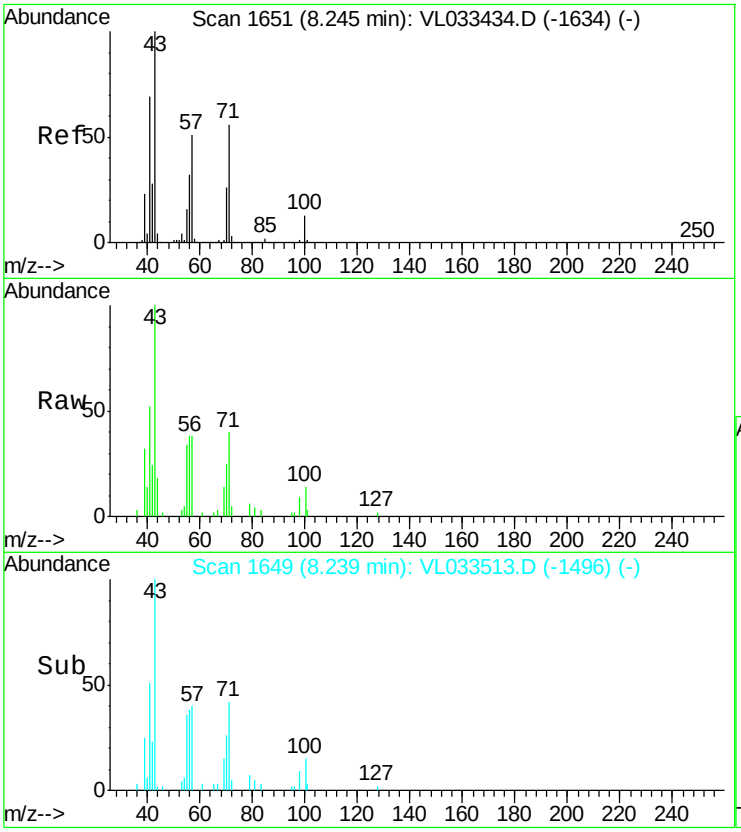


#9
Propene
Concen: 0.78 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 41 Resp: 30889

Ion	Ratio	Lower	Upper
41	100		
42	77.4	53.9	80.9



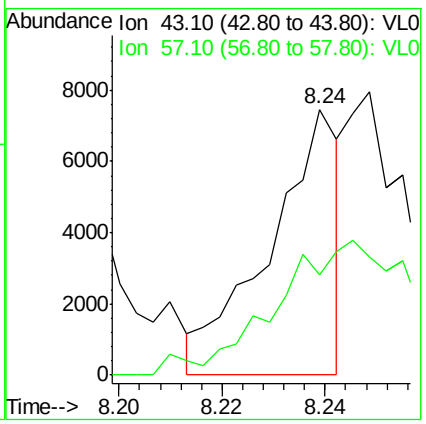


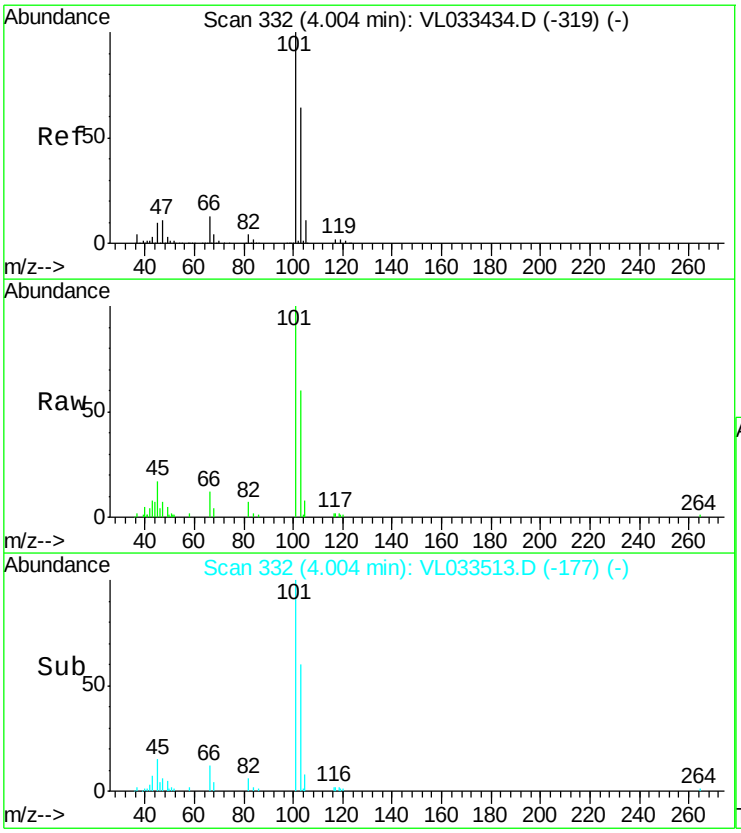
#10
Heptane
Concen: 0.07 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6945

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.6	60.8#

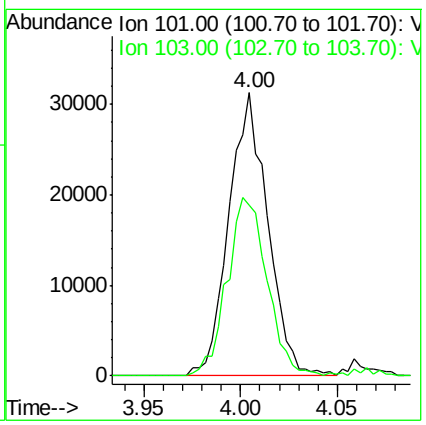


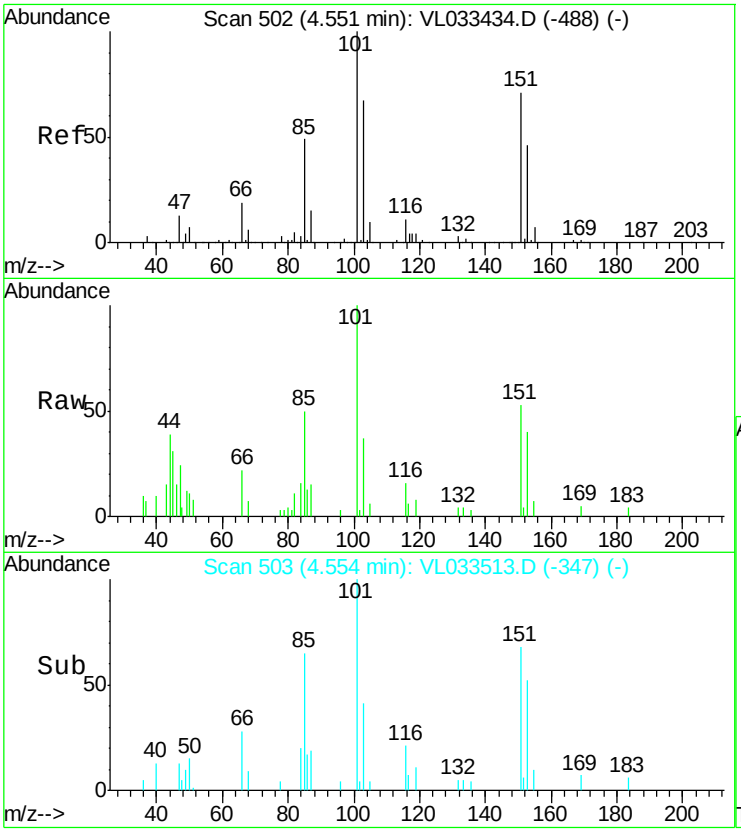


#11
Trichlorofluoromethane
Concen: 0.30 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion:101 Resp: 43600

Ion	Ratio	Lower	Upper
101	100		
103	60.3	51.3	76.9



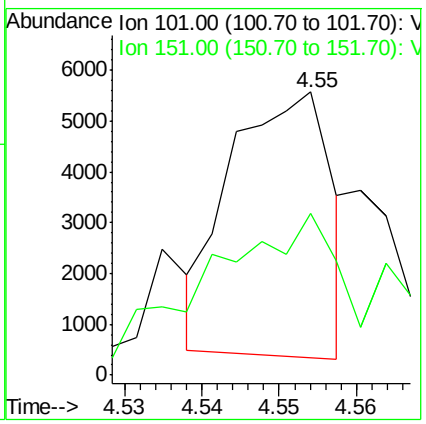


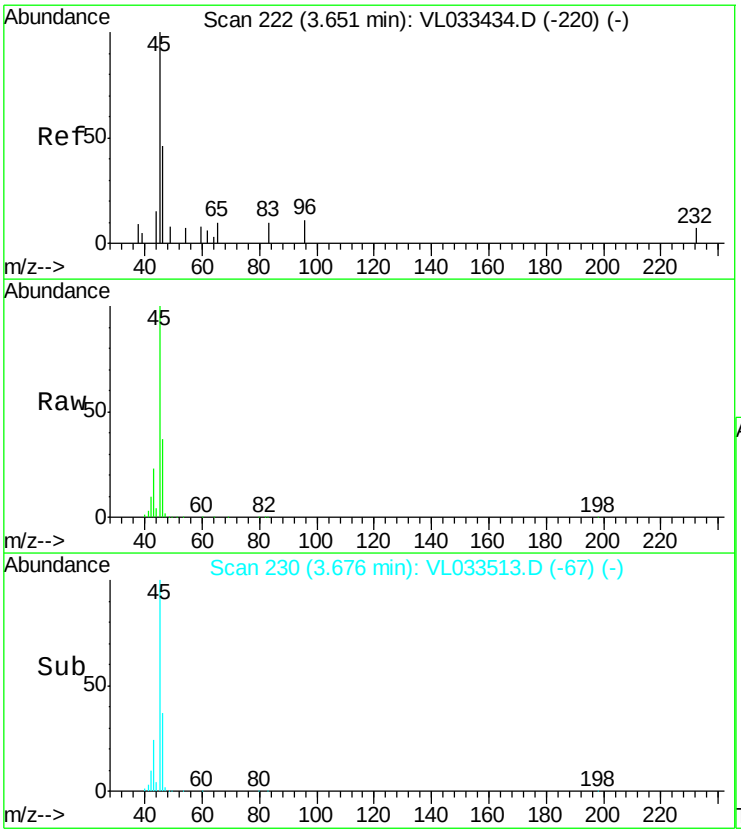
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 4716

Ion	Ratio	Lower	Upper
101	100		
151	106.3	57.7	86.5#

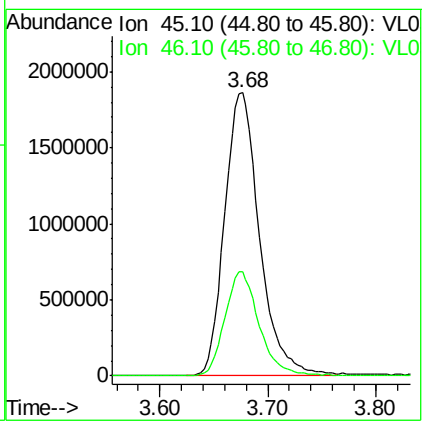


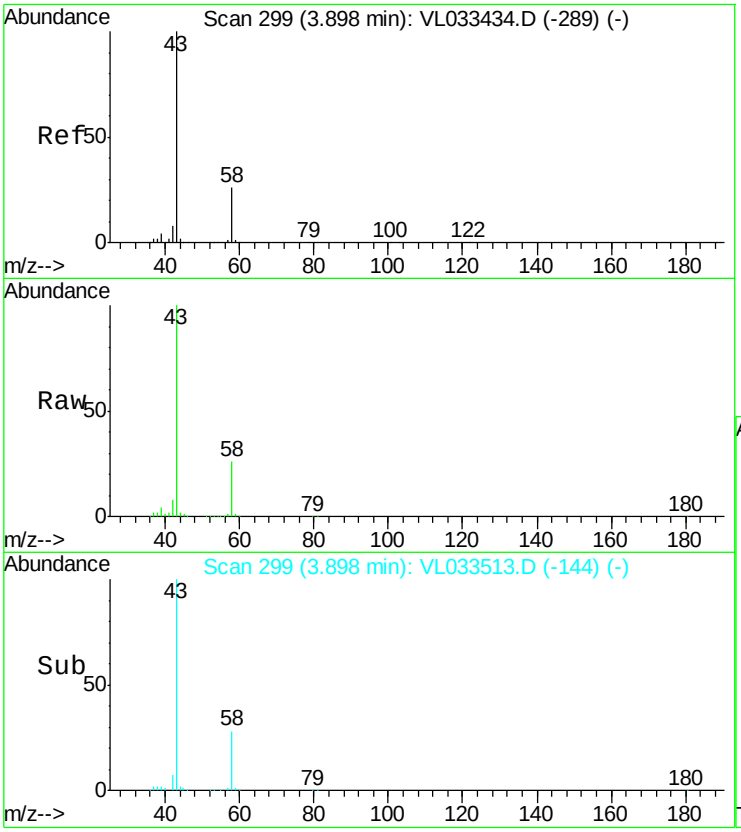


#13
Ethanol
Concen: 409.22 ppbv
RT: 3.68 min Scan# 230
Delta R.T. 0.03 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 45 Resp: 4202088

Ion	Ratio	Lower	Upper
45	100		
46	36.5	25.4	101.8



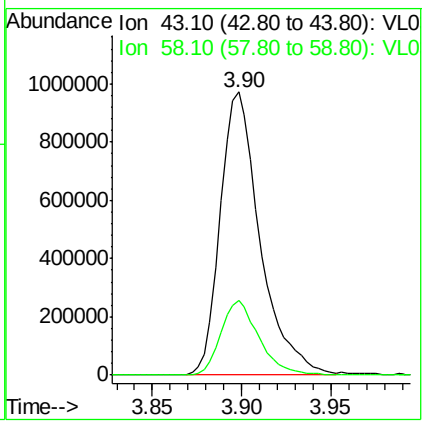


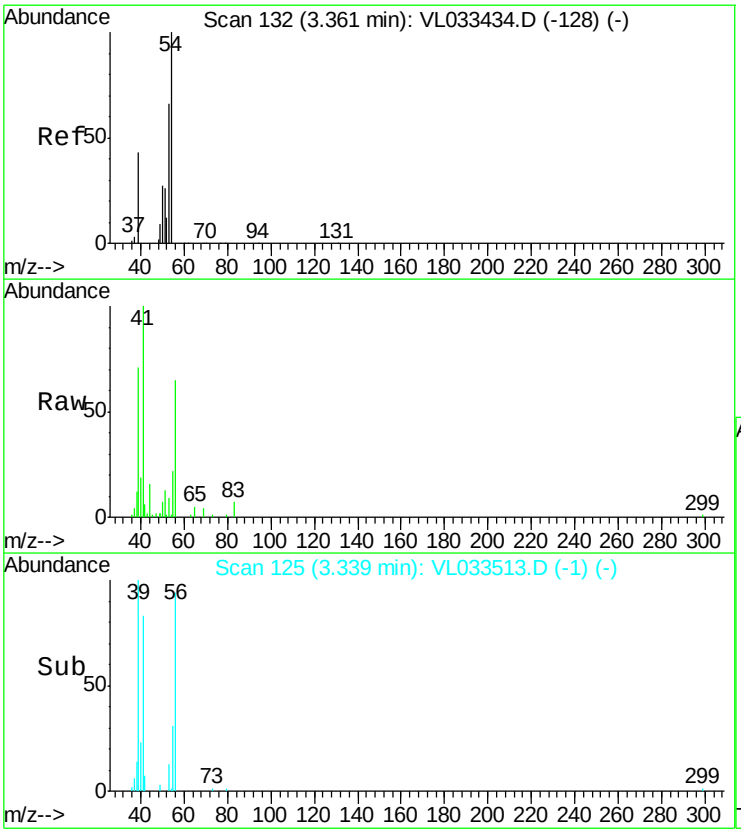
#15
Acetone
Concen: 15.16 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1496187

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.5	30.7

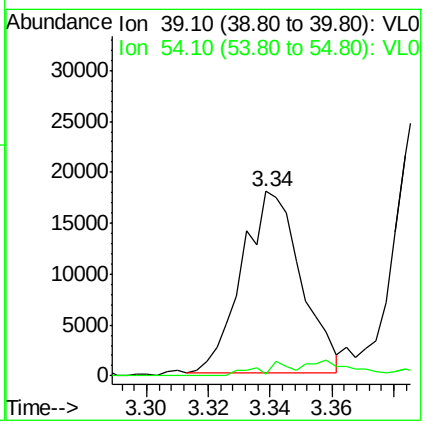


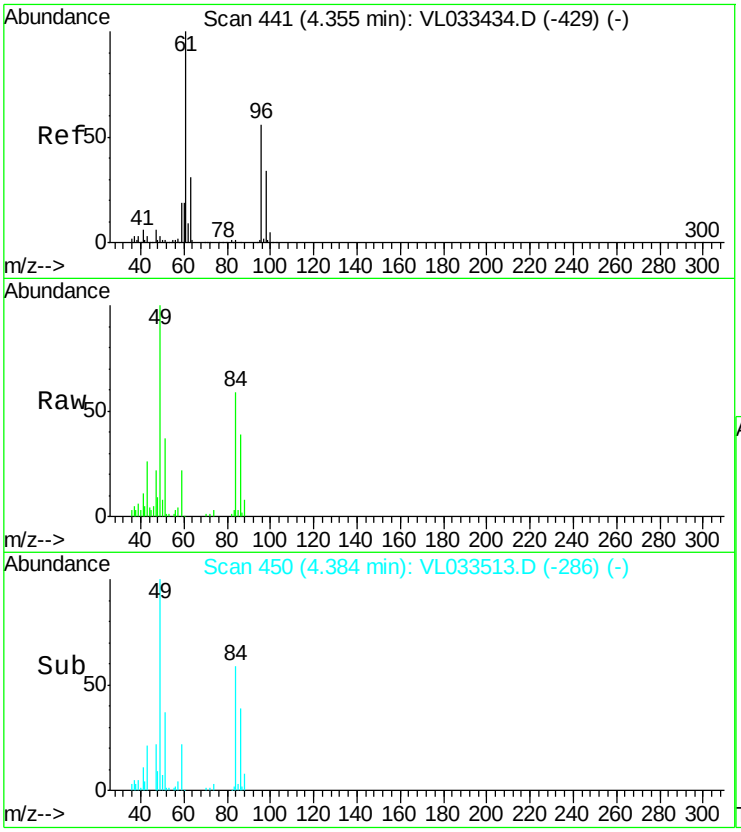


#16
1,3-Butadiene
Concen: 0.61 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 39 Resp: 23853

Ion	Ratio	Lower	Upper
39	100		
54	10.2	69.4	104.2#



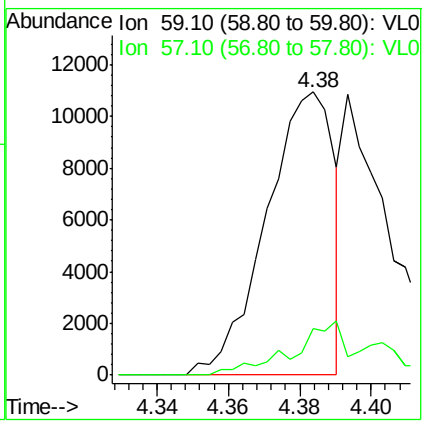


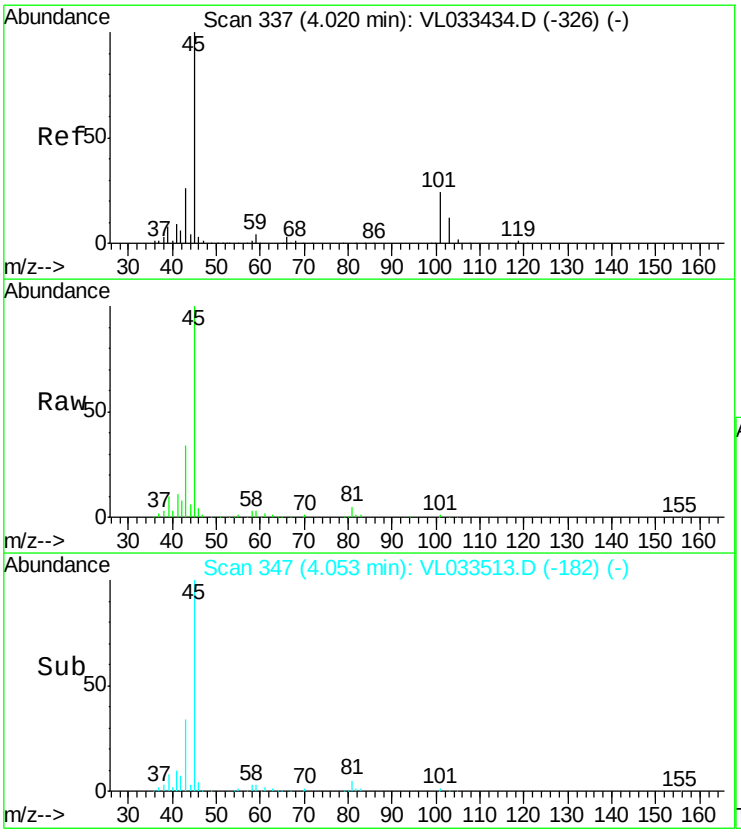
#17
tert-Butyl alcohol
Concen: 0.79 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.03 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 14346

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

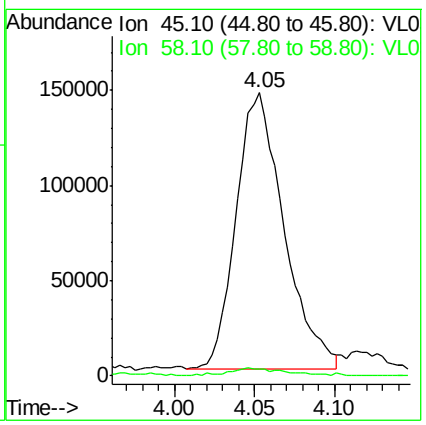


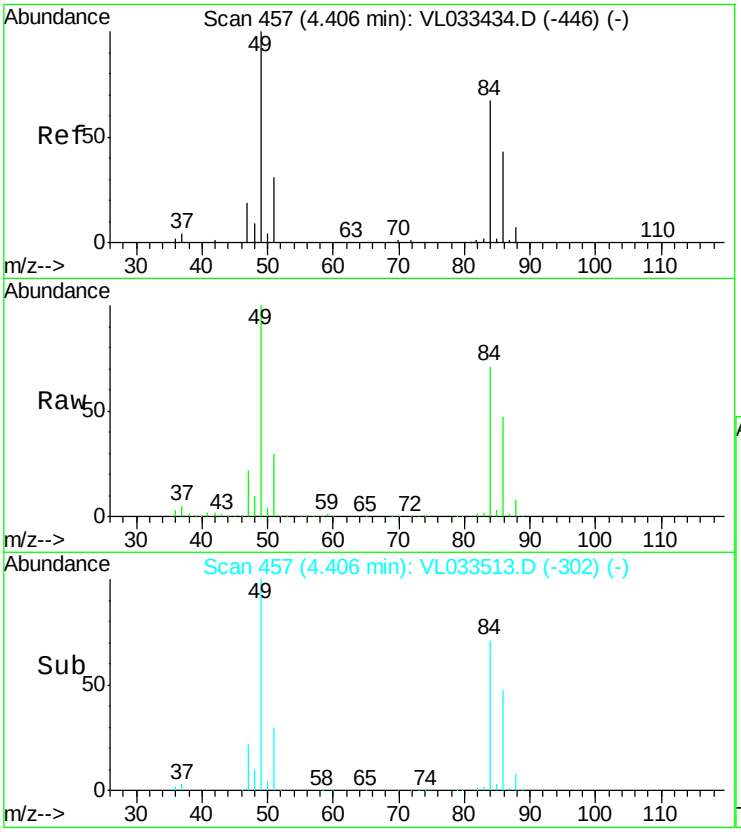


#19
Isopropyl Alcohol
Concen: 4.77 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.03 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 45 Resp: 297925

Ion	Ratio	Lower	Upper
45	100		
58	127.9	1.4	2.2#



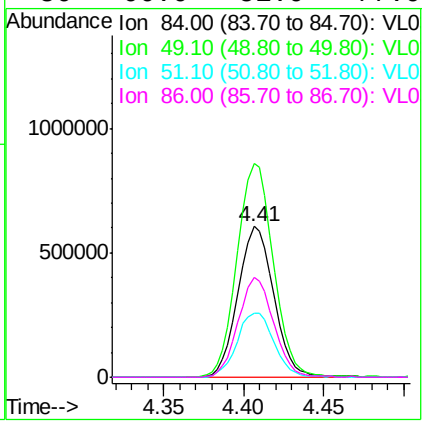


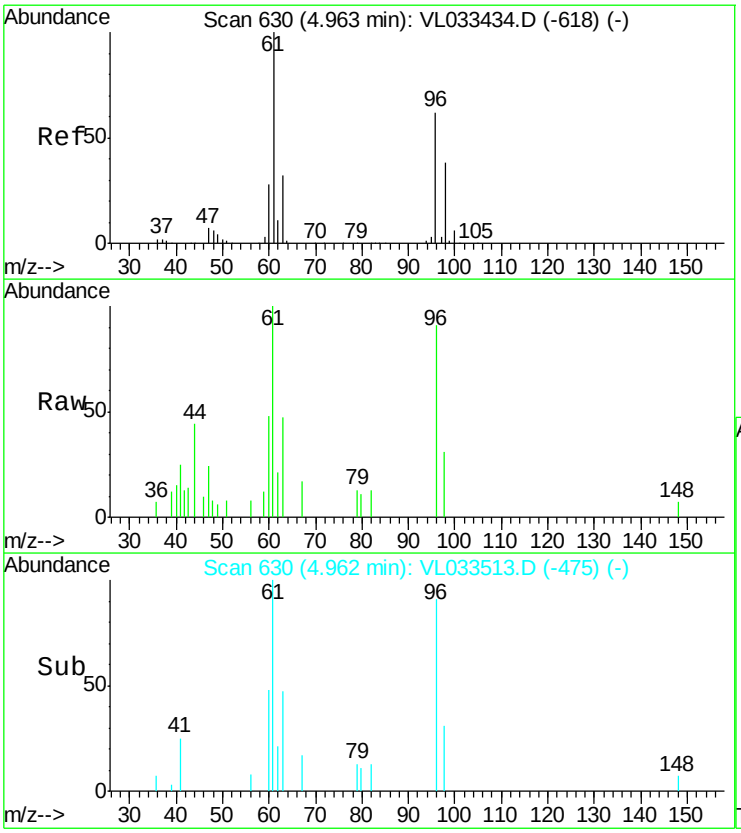
#20
Methylene Chloride
Concen: 22.02 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 922323

Ion	Ratio	Lower	Upper
84	100		
49	141.4	120.0	180.0
51	42.5	36.7	55.1
86	66.0	51.9	77.9

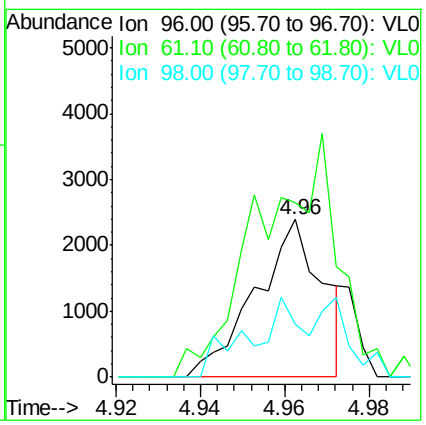


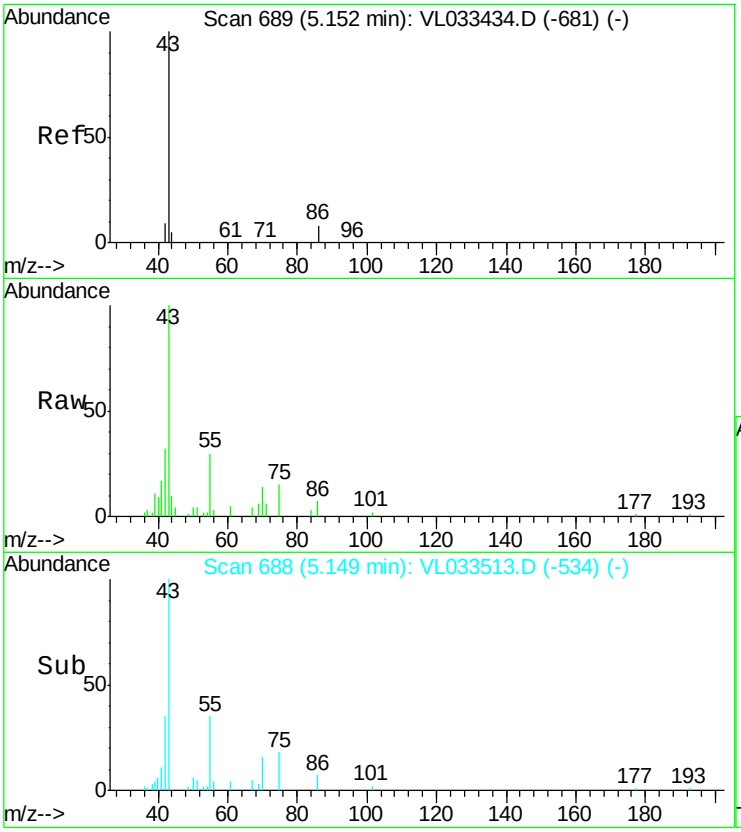


#22
trans-1,2-Dichloroethene
Concen: 0.06 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 96 Resp: 2615

Ion	Ratio	Lower	Upper
96	100		
61	92.4	128.9	193.3#
98	33.7	49.5	74.3#



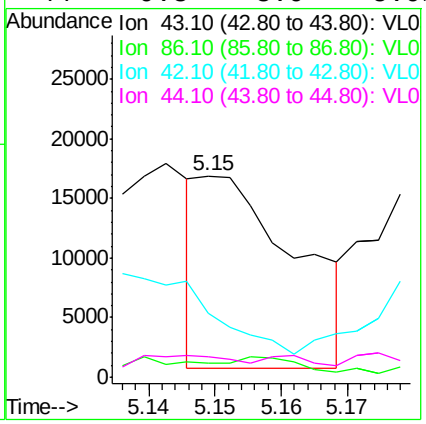


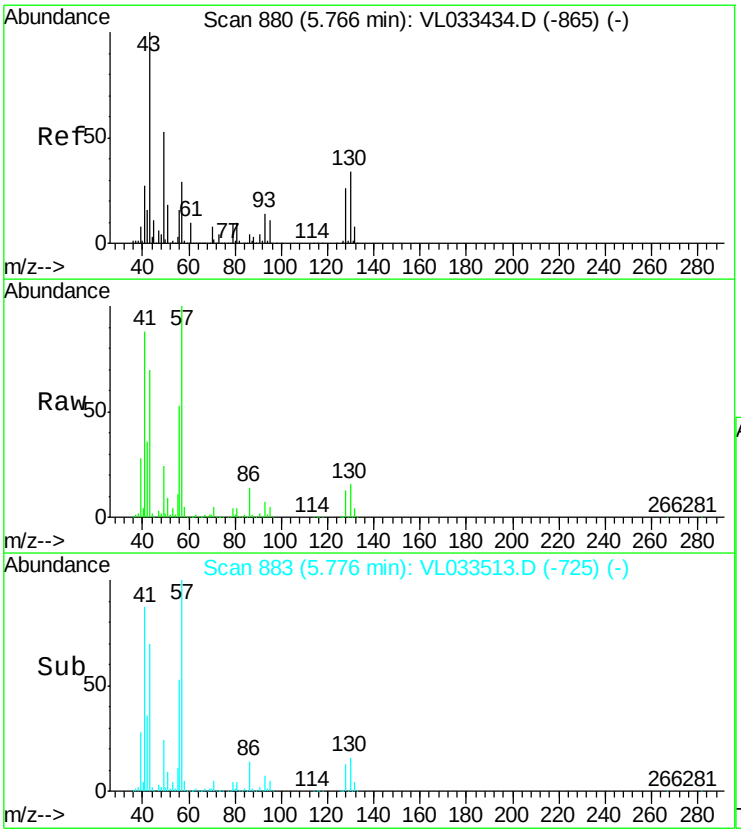
#23
Vinyl Acetate
Concen: 0.12 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 16261

Ion	Ratio	Lower	Upper
43	100		
86	10.7	5.6	8.4#
42	23.8	8.0	12.0#
44	9.3	3.9	5.9#

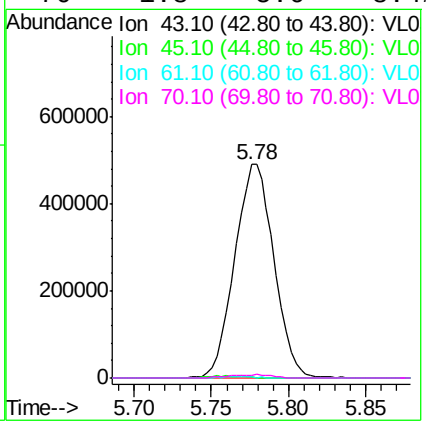


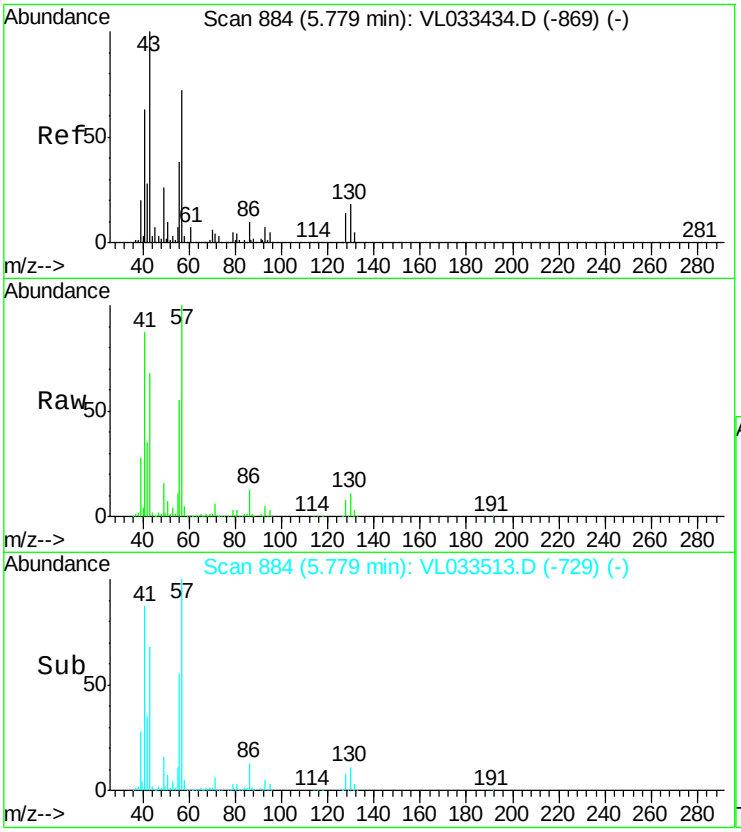


#25
Ethyl Acetate
Concen: 4.70 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 43 Resp: 860349

Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.8	11.6#
61	0.6	7.3	10.9#
70	1.8	5.6	8.4#



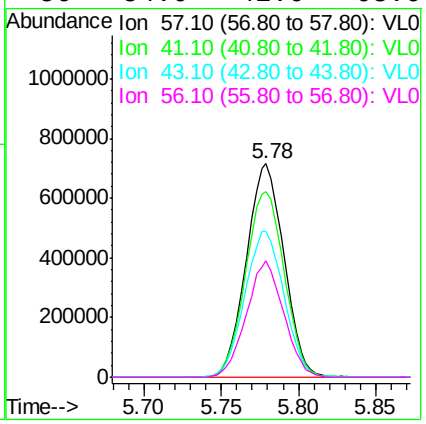


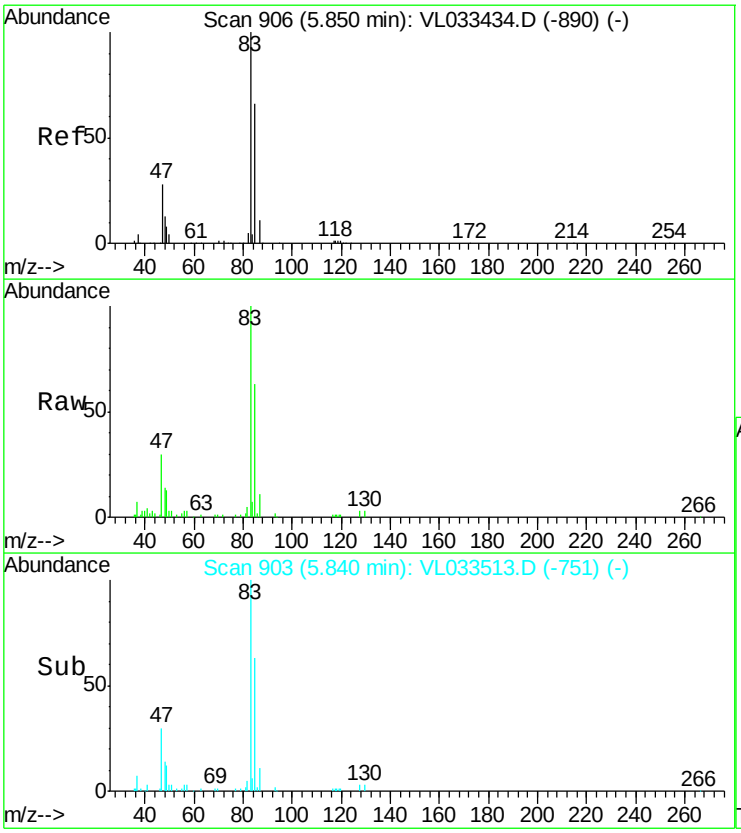
#26
Hexane
Concen: 14.92 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 1214303

Ion	Ratio	Lower	Upper
57	100		
41	90.0	70.7	106.1
43	71.1	182.6	274.0#
56	54.0	42.0	63.0

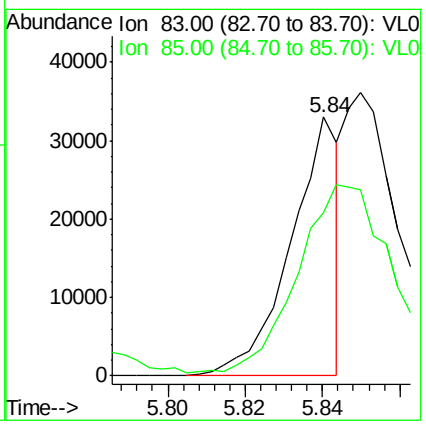


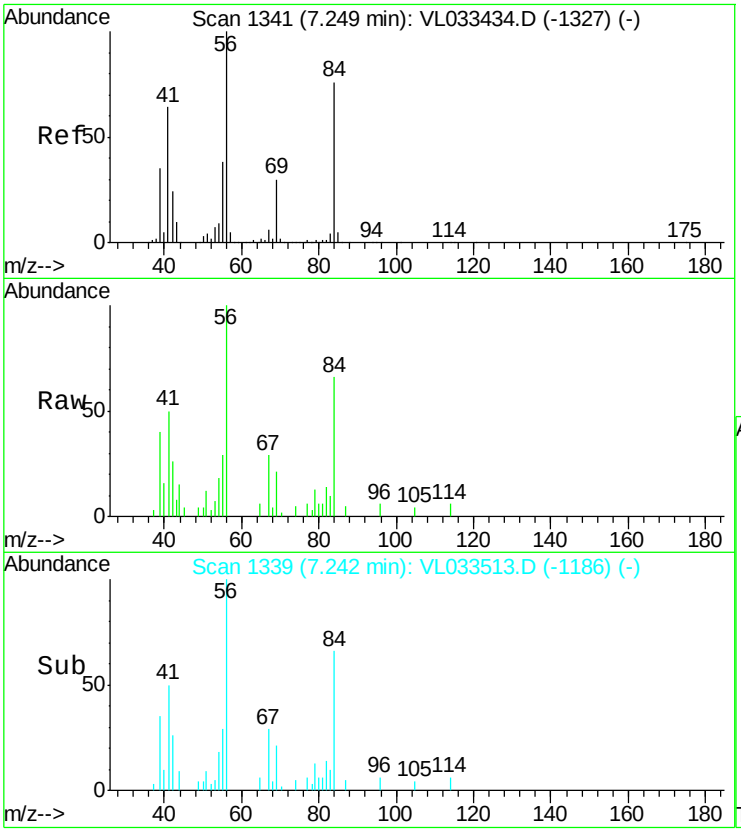


#29
Chloroform
Concen: 0.20 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 83 Resp: 28228

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.6	79.0



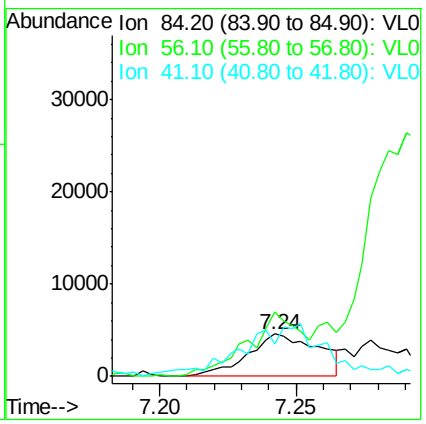


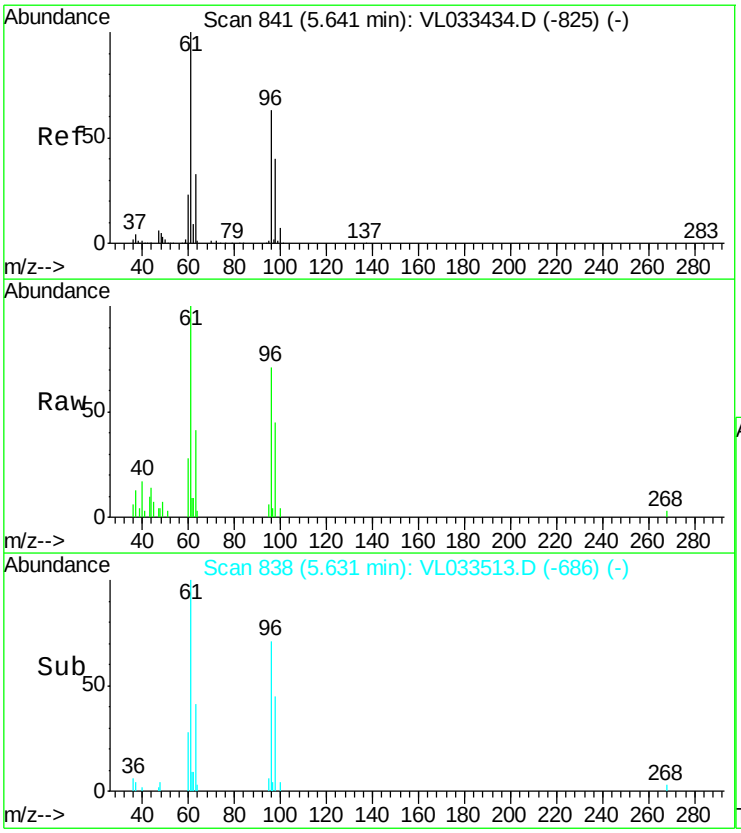
#30
Cyclohexane
Concen: 0.13 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 8283

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	157.1	68.2	102.2#

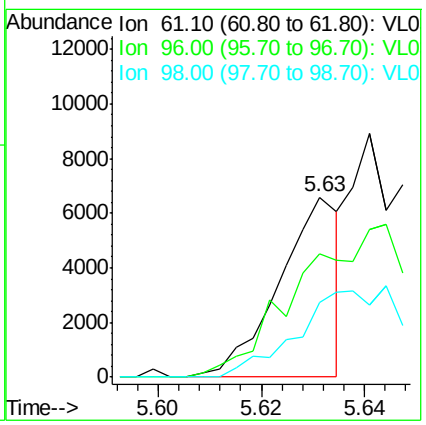


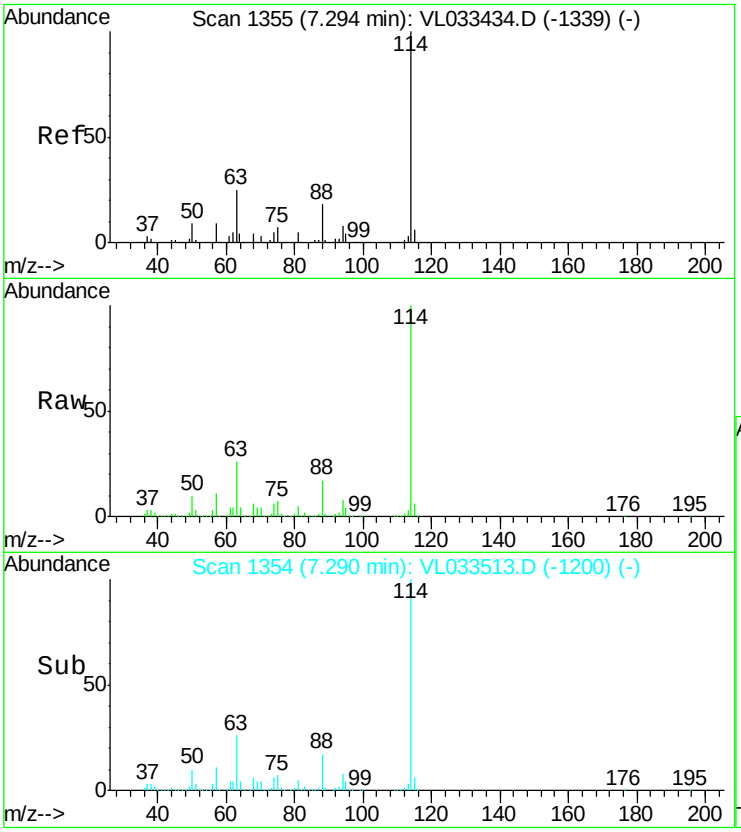


#31
cis-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.63 min Scan# 838
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 61 Resp: 5342

Ion	Ratio	Lower	Upper
61	100		
96	68.8	50.6	76.0
98	41.5	32.2	48.2



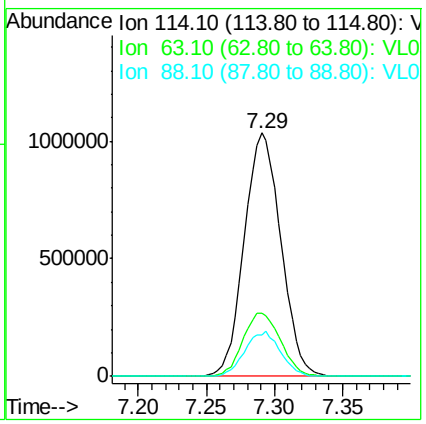


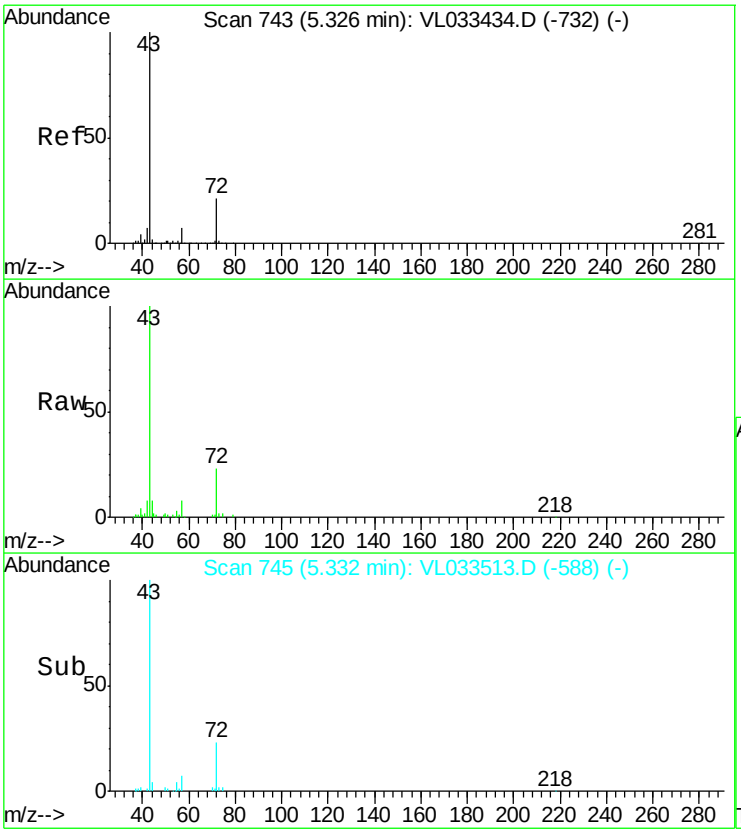
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1930913

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	18.0	14.5	21.7

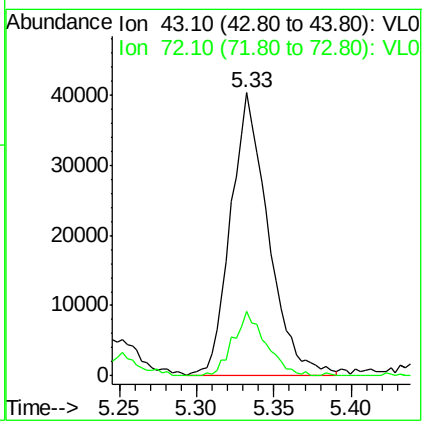


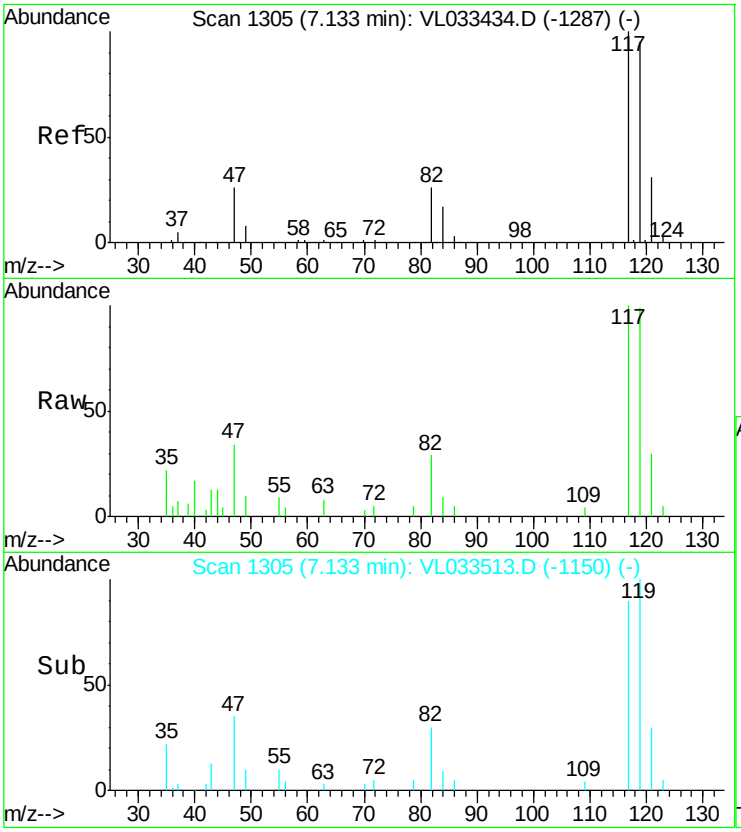


#34
2-Butanone
Concen: 0.58 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 43 Resp: 67270

Ion	Ratio	Lower	Upper
43	100		
72	20.1	17.4	26.2



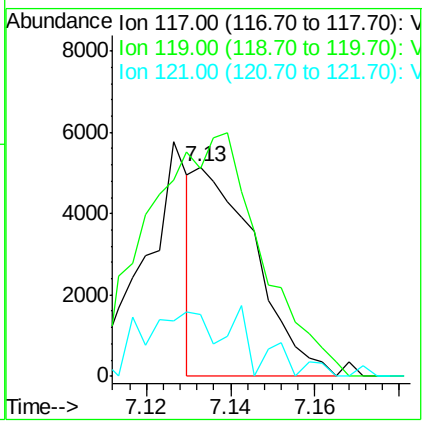


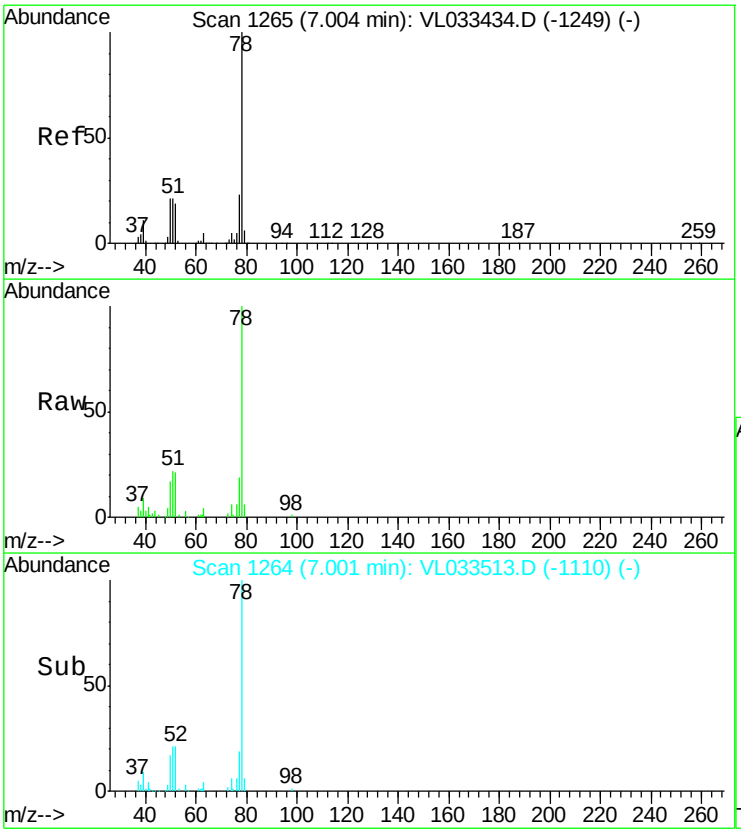
#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 5115

Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.8	113.8
121	29.5	24.7	37.1

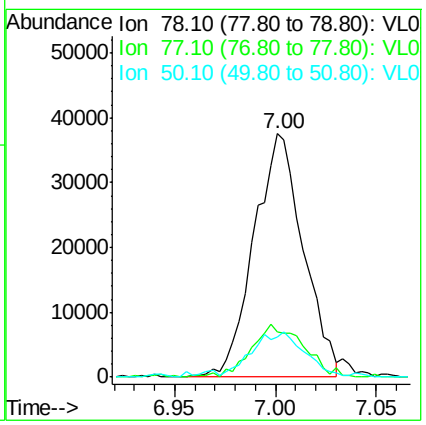


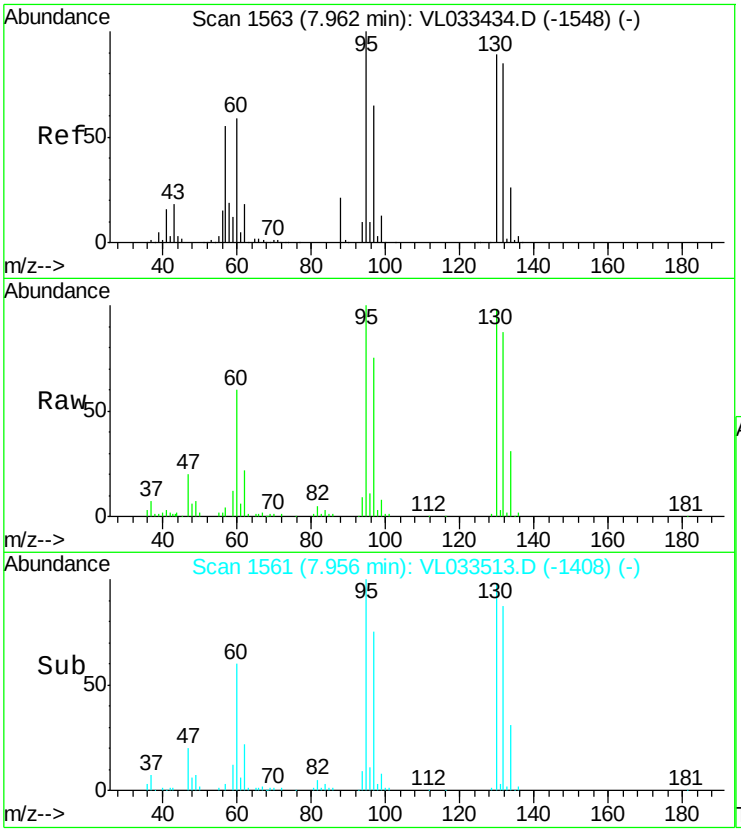


#36
Benzene
Concen: 0.39 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 78 Resp: 63731

Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.1	27.1
50	14.5	16.7	25.1#



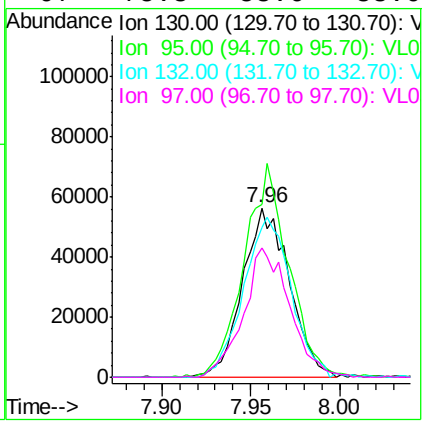


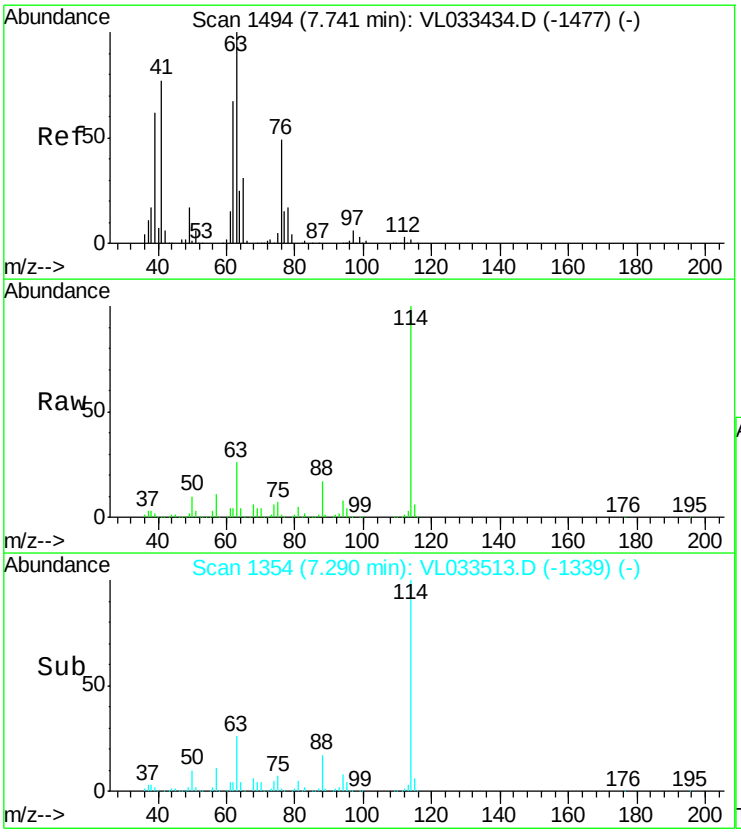
#38
Trichloroethene
Concen: 1.69 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 102986

Ion	Ratio	Lower	Upper
130	100		
95	100.8	89.8	134.8
132	90.3	76.6	115.0
97	75.8	58.6	88.0

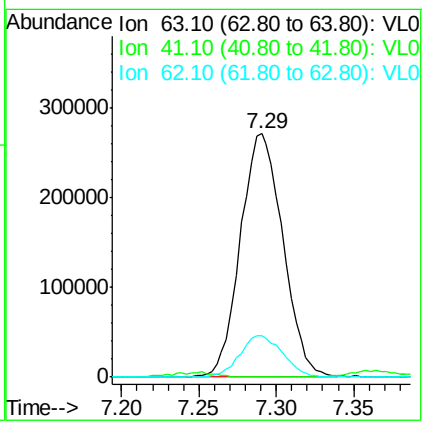


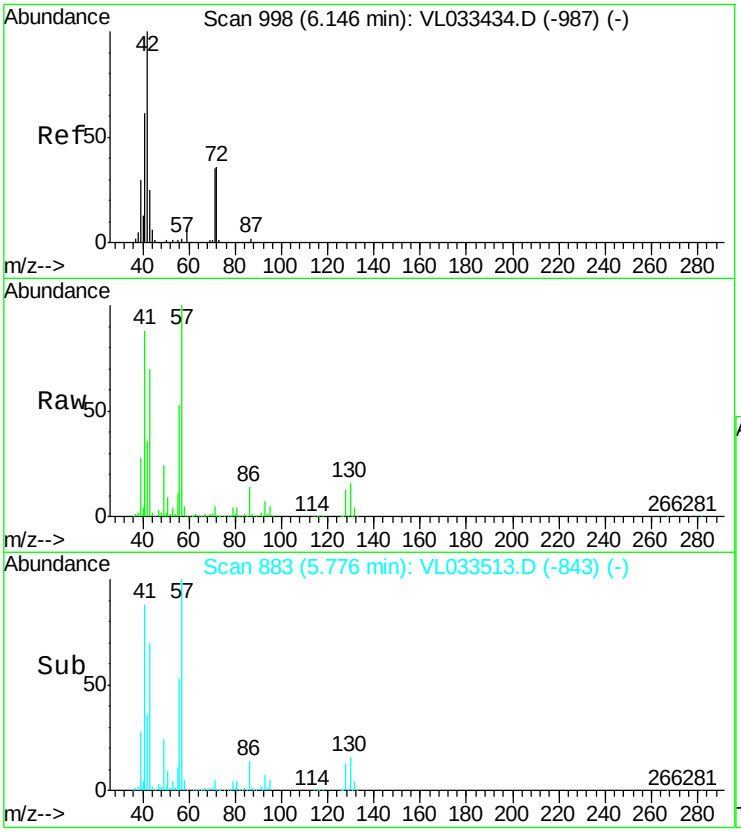


#39
1,2-Dichloropropane
Concen: 8.15 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 63 Resp: 517363

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.8	54.0	81.0#



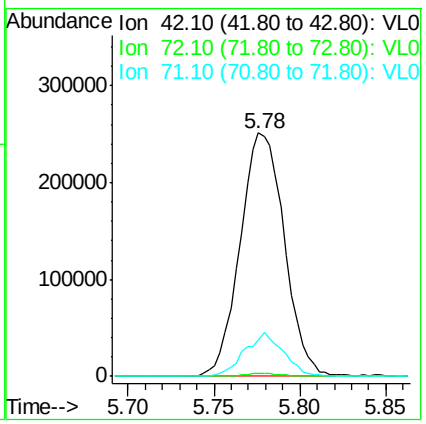


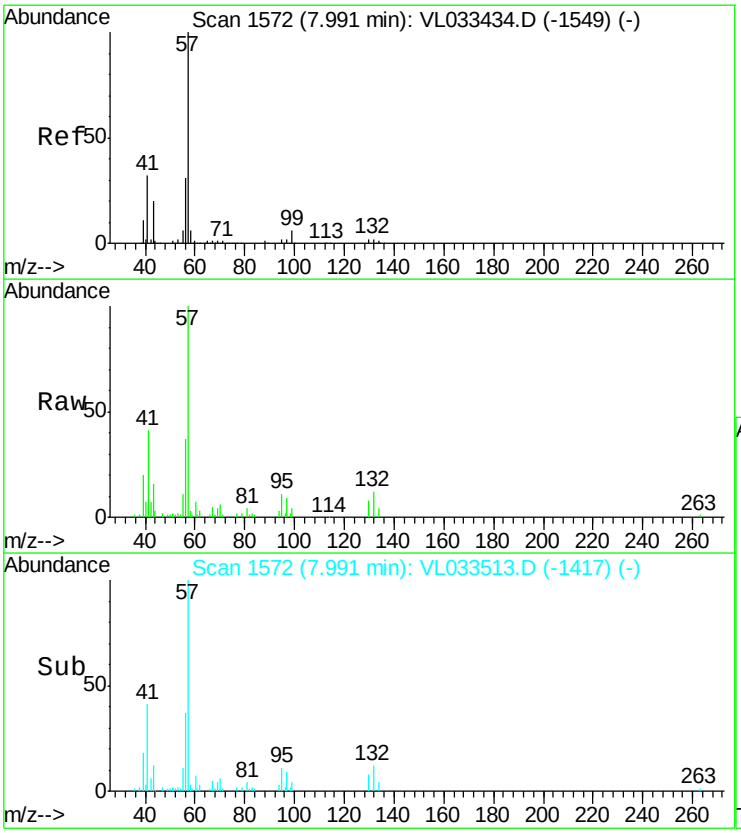
#41
Tetrahydrofuran
Concen: 7.01 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.37 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 447027

Ion	Ratio	Lower	Upper
42	100		
72	1.1	30.2	45.2#
71	15.9	29.4	44.2#

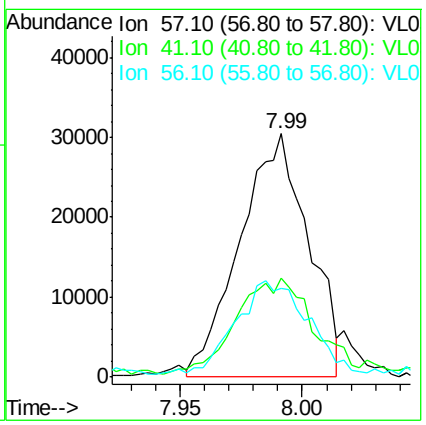


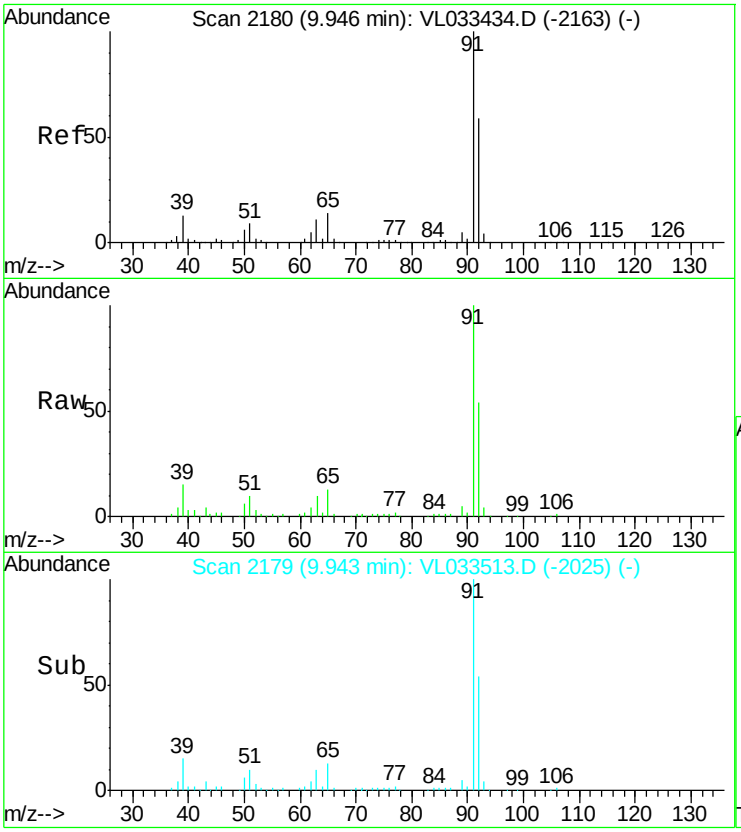


#44
2,2,4-Trimethylpentane
Concen: 0.21 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 57 Resp: 59196

Ion	Ratio	Lower	Upper
57	100		
41	50.9	26.0	39.0#
56	47.1	24.6	37.0#



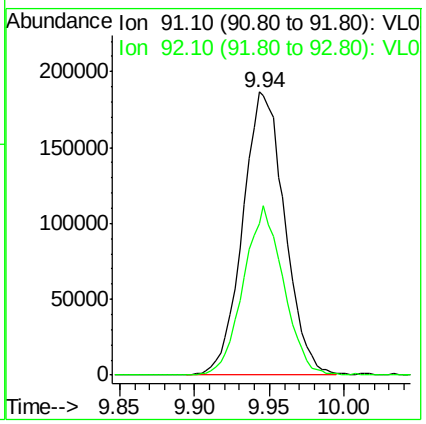


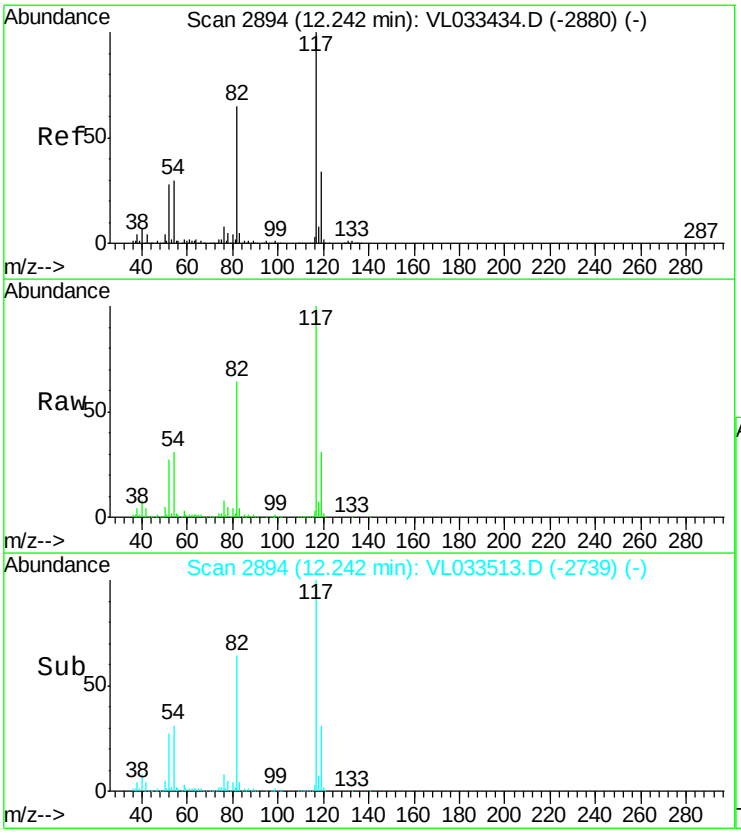
#53
Toluene
Concen: 1.94 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 365067

Ion	Ratio	Lower	Upper
91	100		
92	56.8	47.4	71.0

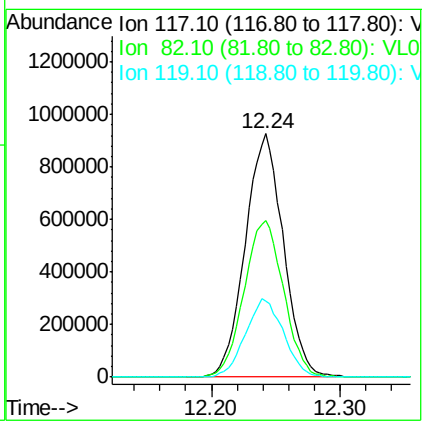


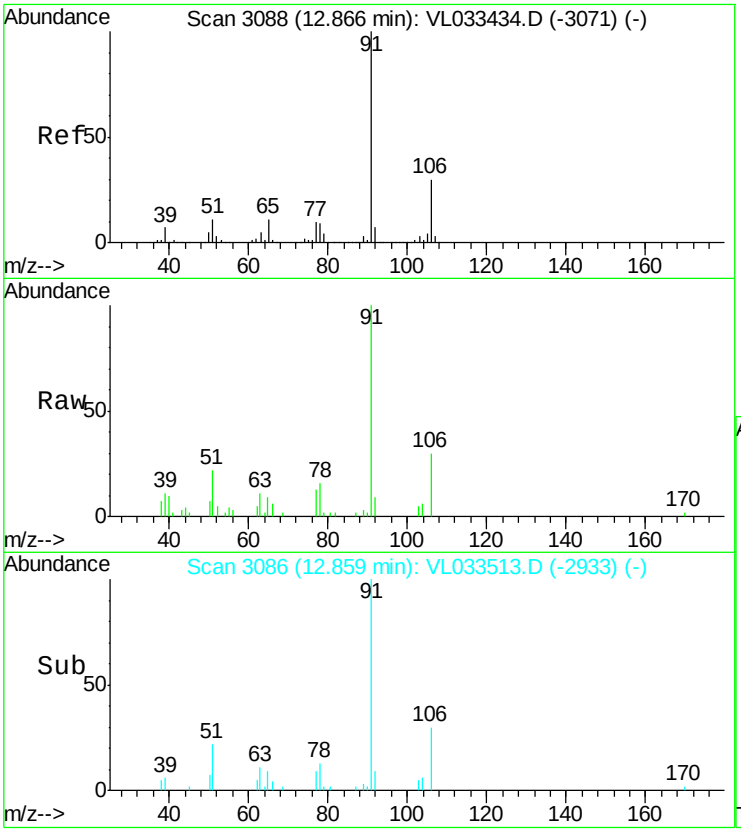


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion:117 Resp: 1910885

Ion	Ratio	Lower	Upper
117	100		
82	67.1	51.5	77.3
119	32.2	25.5	38.3



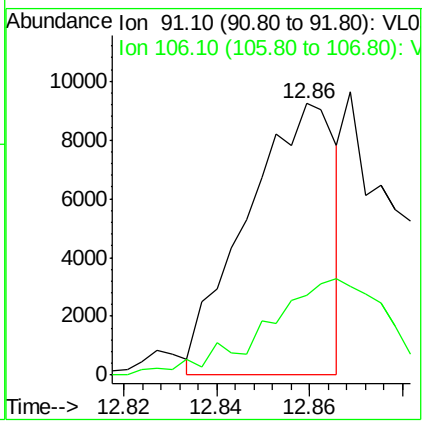


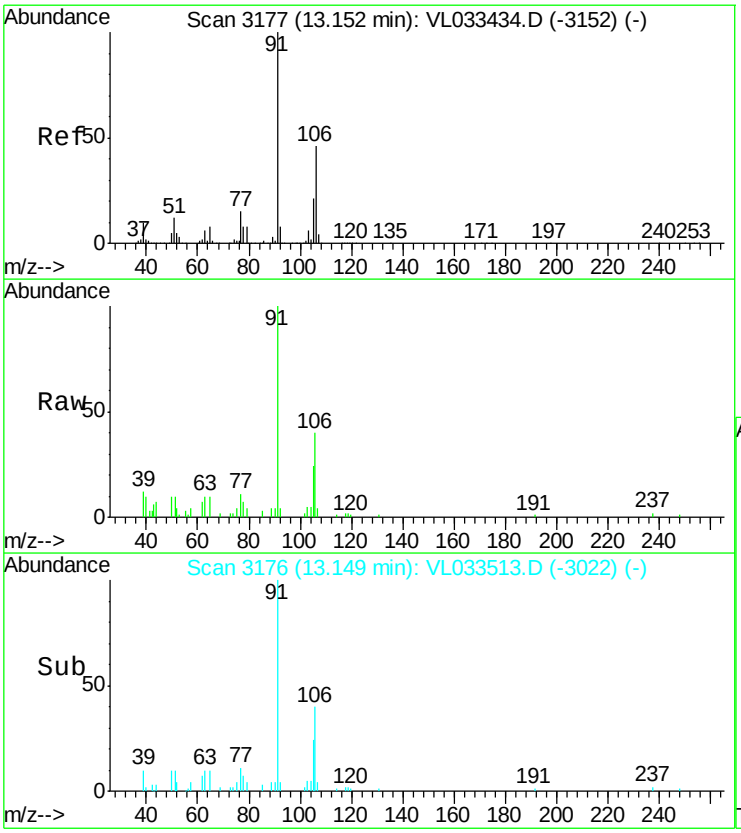
#58
Ethyl Benzene
Concen: 0.05 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 12329

Ion	Ratio	Lower	Upper
91	100		
106	25.1	23.8	35.6

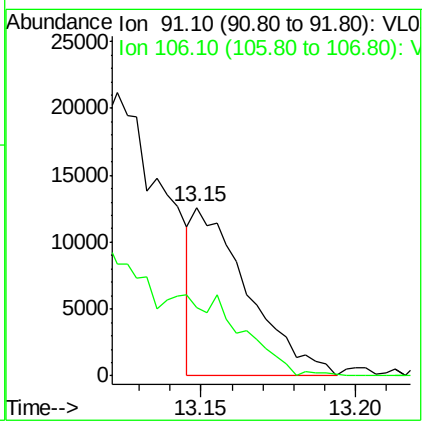


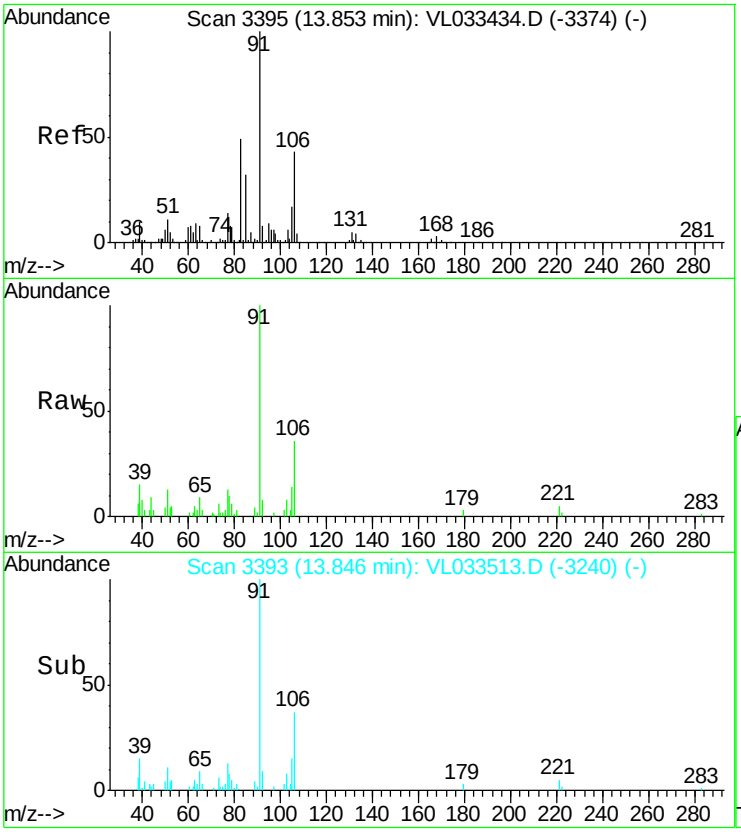


#59
m/p-Xylene
Concen: 0.07 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 91 Resp: 15562

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



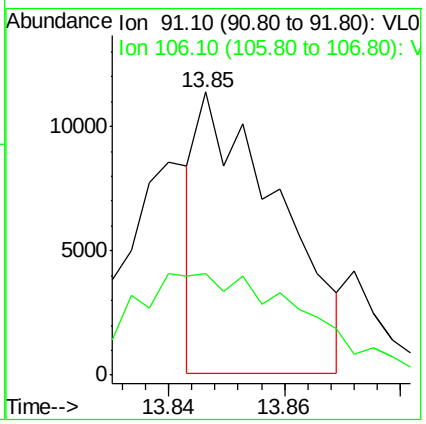


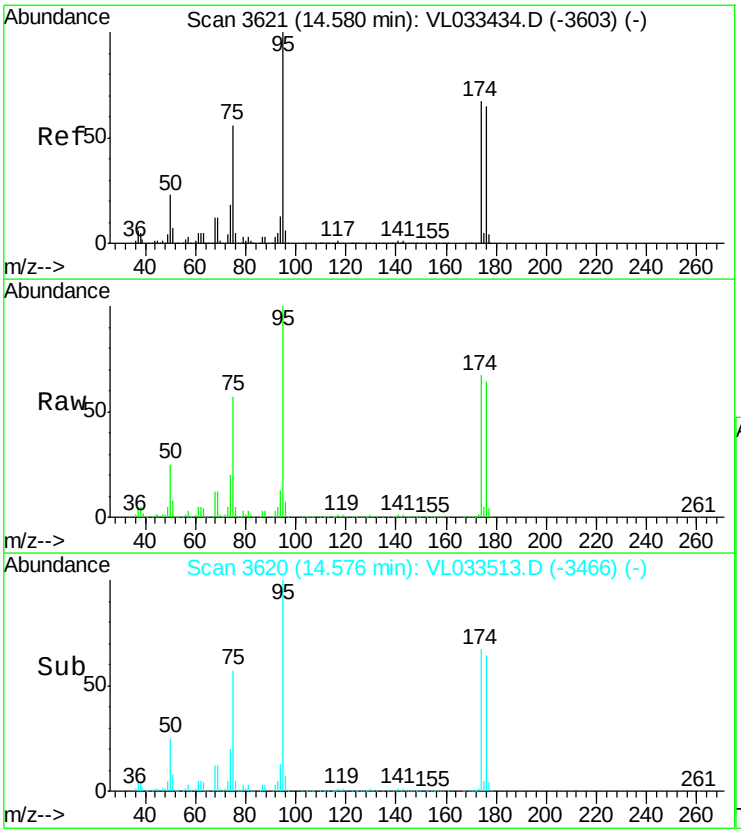
#60
o-Xylene
Concen: 0.05 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 10992

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	64.3#

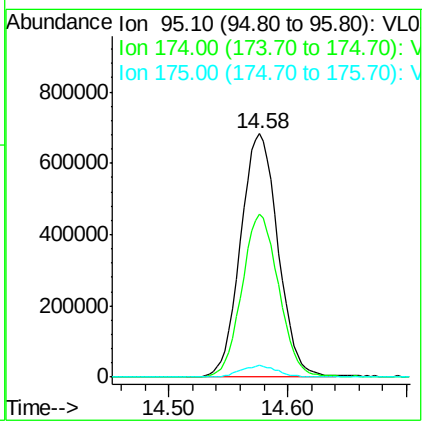


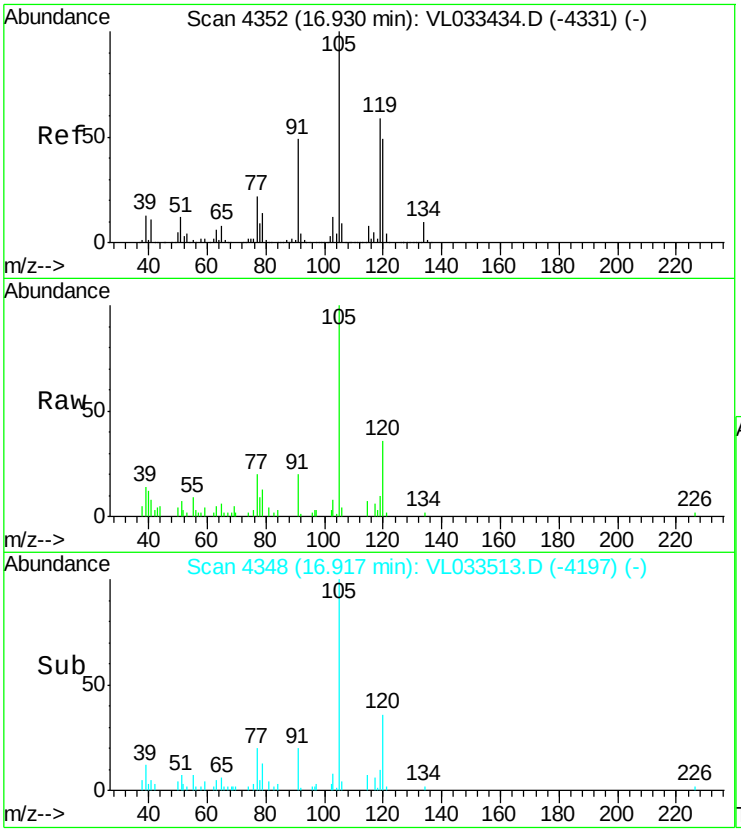


#68
1-Bromo-4-Fluorobenzene
Concen: 9.93 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Tgt Ion: 95 Resp: 1487645

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.9	79.3
175	4.6	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.10 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033513.D
Acq: 29 Mar 2019 22:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 26006

Ion	Ratio	Lower	Upper
105	100		
120	33.0	39.0	58.6#
91	22.3	40.0	60.0#
77	18.1	17.5	26.3