Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033507.D
Acq On : 29 Mar 2019 18:14
Operator : SY/AP
Sample : K2042-19
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:11:39 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	809421	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1883851	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1876996	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1455318	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	64929	0.55	ppbv		97
3) Chlorodifluoromethane	3.01	51	57969	0.62	ppbv	#	83
4) Chloromethane	3.17	50	30178	0.61	ppbv		93
9) Propene	3.24	41	49929	1.28	ppbv		94
11) Trichlorofluoromethane	4.00	101	38497	0.26	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	3320	0.03	ppbv	#	14
13) Ethanol	3.65	45	199531	19.70	ppbv		65
15) Acetone	3.90	43	225737	2.32	ppbv		98
16) 1,3-Butadiene	3.35	39	2075	0.05	ppbv		92
17) tert-Butyl alcohol	4.38	59	2337	0.13	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	64712	1.05	ppbv	#	89
20) Methylene Chloride	4.41	84	20485	0.50	ppbv		94
25) Ethyl Acetate	5.78	43	29673	0.16	ppbv	#	85
26) Hexane	5.78	57	33169	0.41	ppbv	#	43
34) 2-Butanone	5.34	43	23699	0.21	ppbv		99
35) Carbon Tetrachloride	7.12	117	4024	0.03	ppbv	#	76
36) Benzene	6.99	78	16144	0.10	ppbv		95
39) 1,2-Dichloropropane	7.29	63	508488	8.21	ppbv	#	23
53) Toluene	9.94	91	56430	0.31	ppbv		99

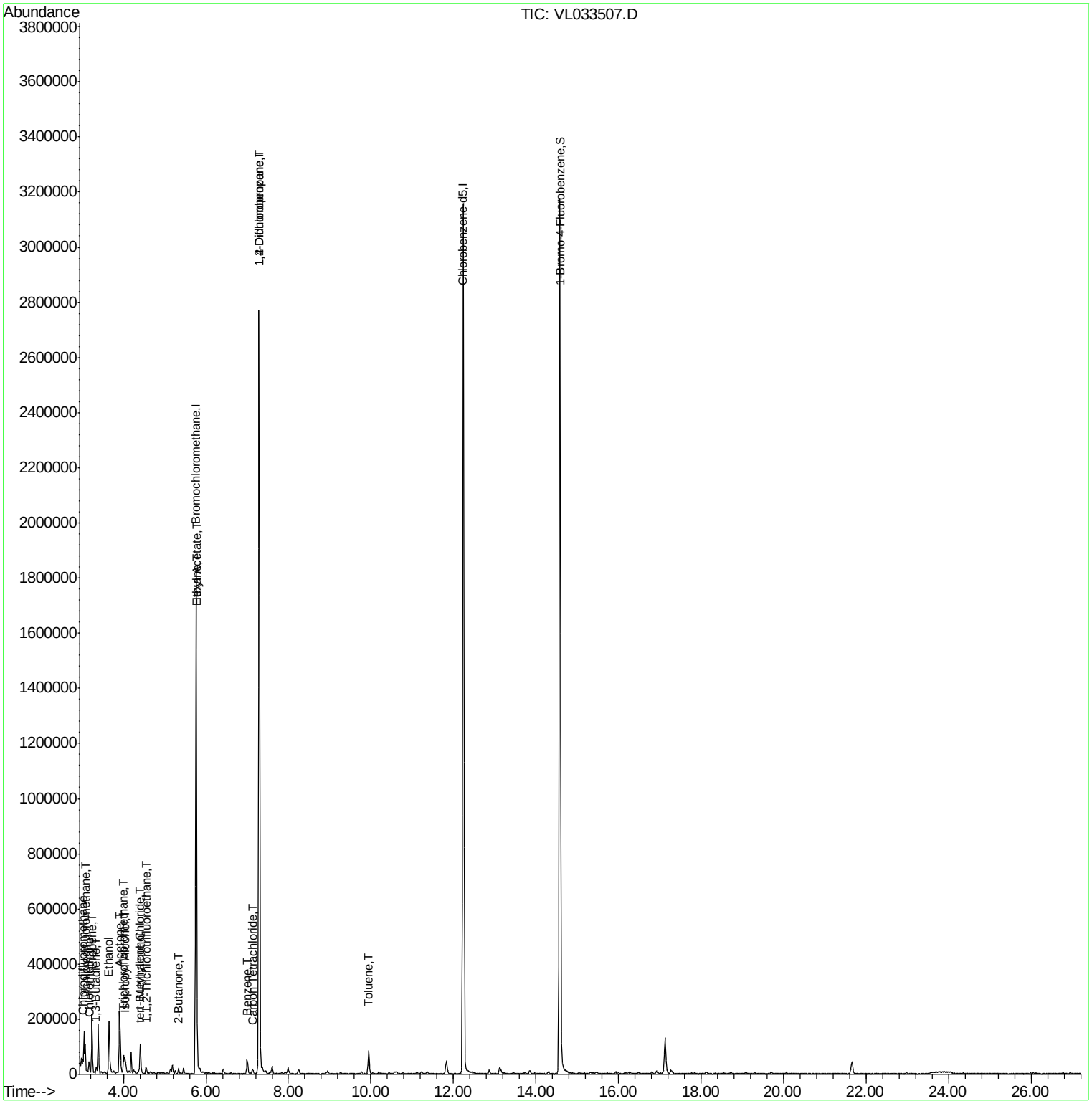
(#) = qualifier out of range (m) = manual integration (+) = signals summed

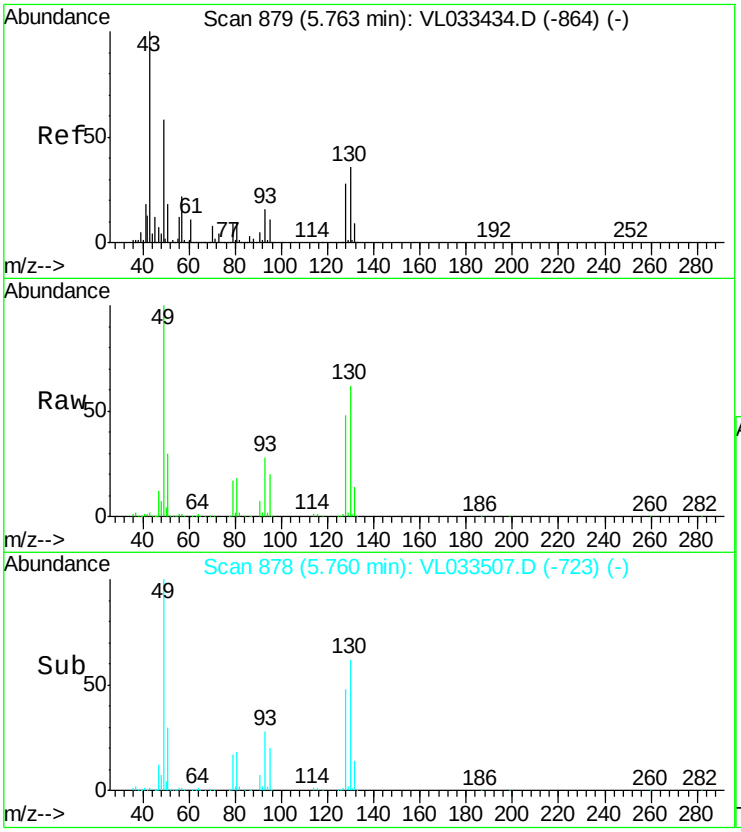
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033507.D
Acq On : 29 Mar 2019 18:14
Operator : SY/AP
Sample : K2042-19
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:11:39 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



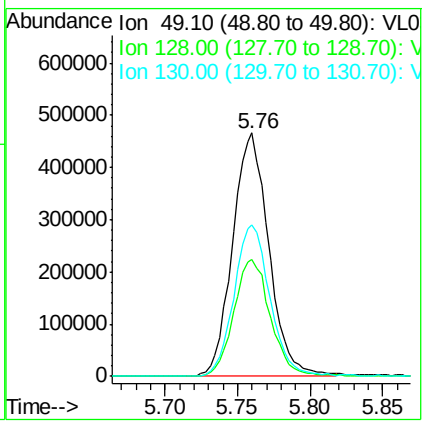


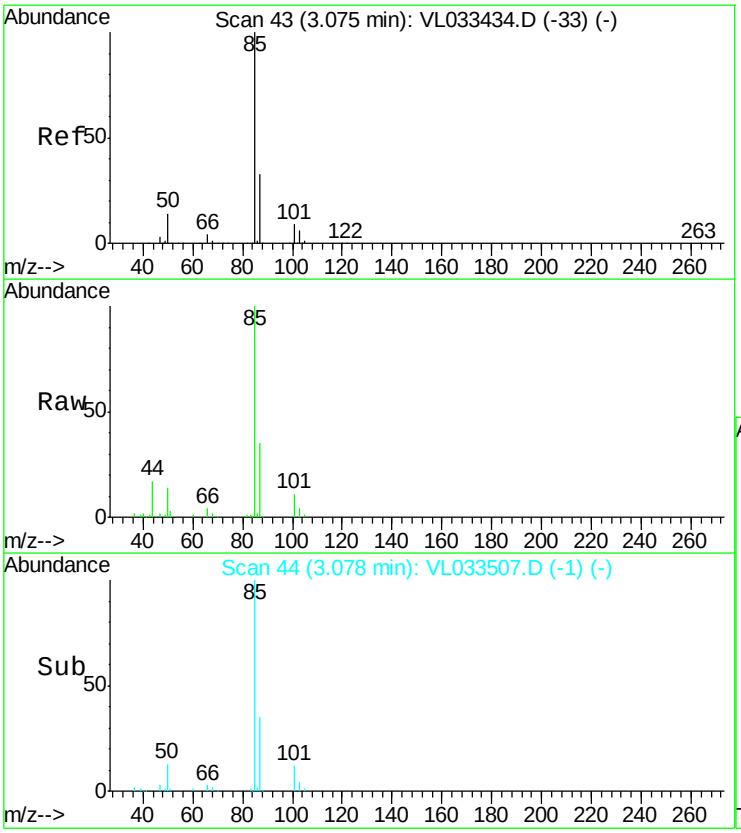
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 809421

Ion	Ratio	Lower	Upper
49	100		
128	48.6	24.0	72.0
130	62.2	31.2	93.6

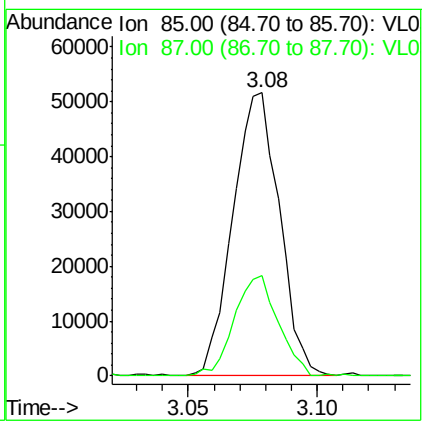


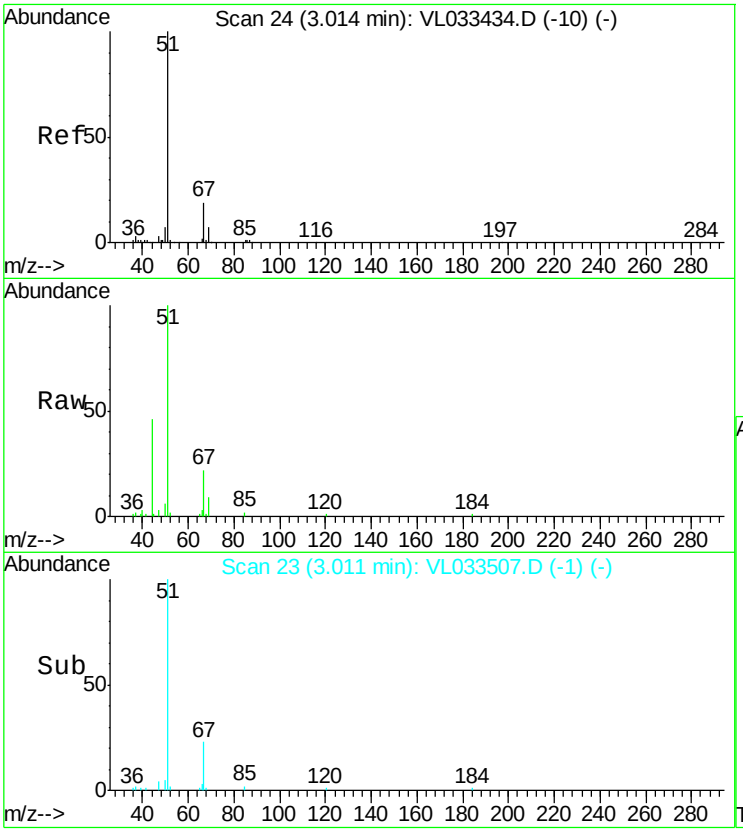


#2
Dichlorodifluoromethane
Concen: 0.55 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 85 Resp: 64929

Ion	Ratio	Lower	Upper
85	100		
87	35.2	26.7	40.1



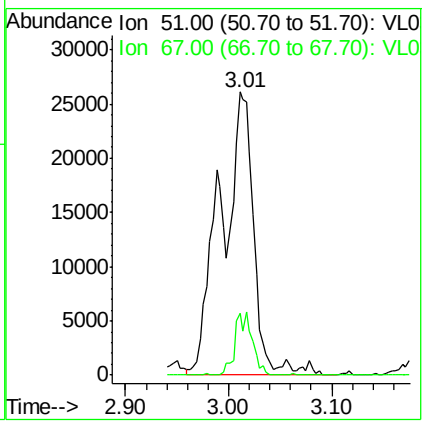


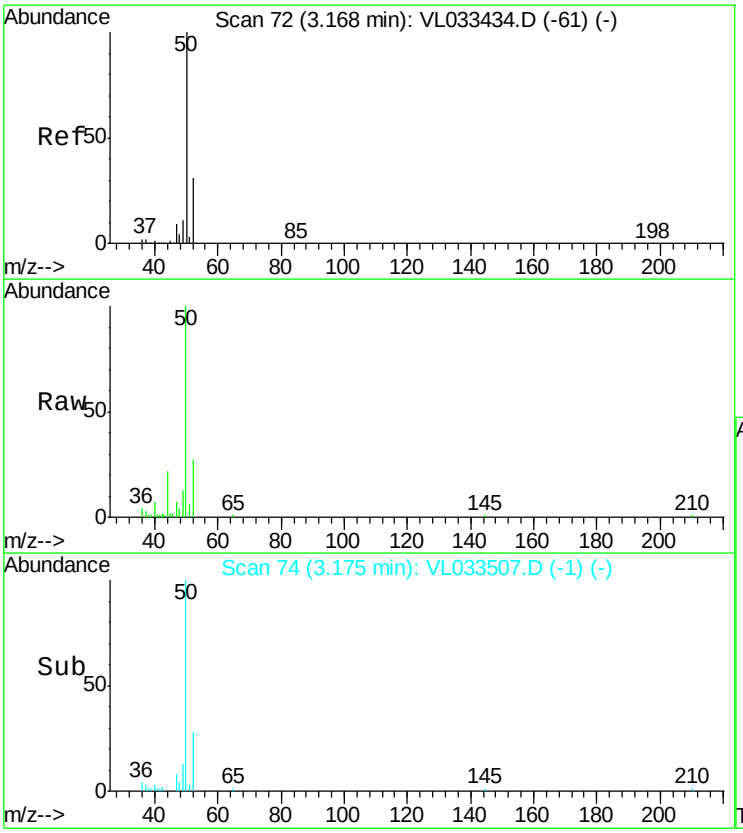
#3
Chlorodifluoromethane
Concen: 0.62 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 57969

Ion	Ratio	Lower	Upper
51	100		
67	11.8	15.7	23.5#

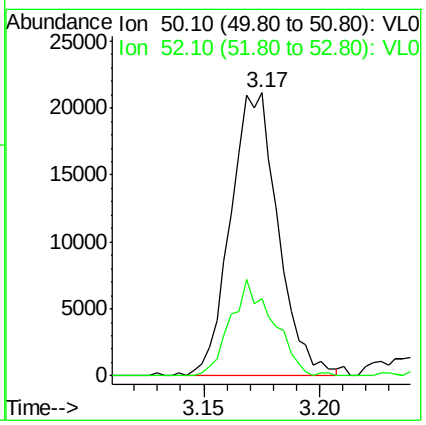


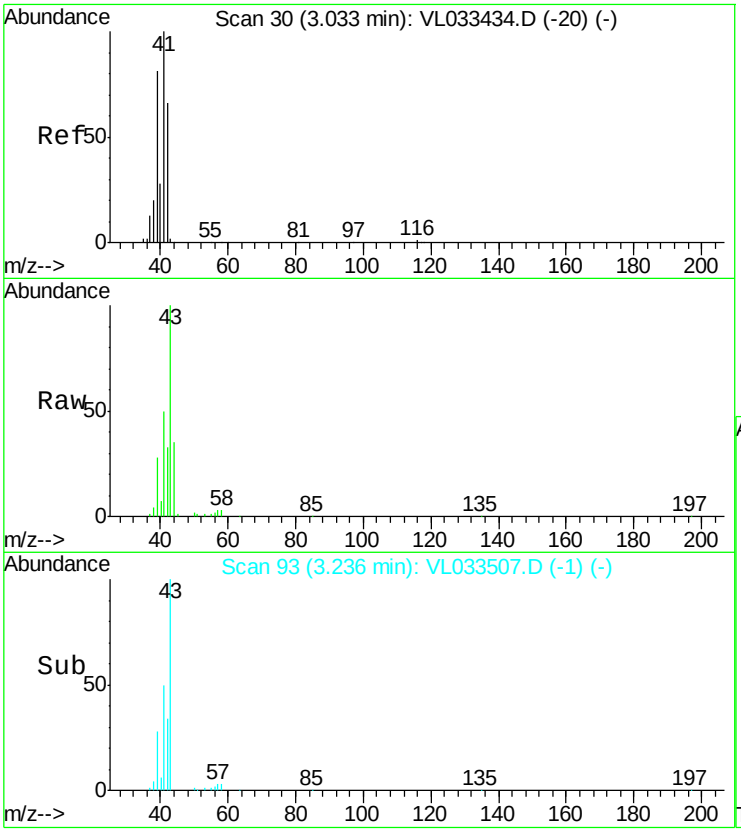


#4
Chloromethane
Concen: 0.61 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 50 Resp: 30178

Ion	Ratio	Lower	Upper
50	100		
52	27.3	25.0	37.6



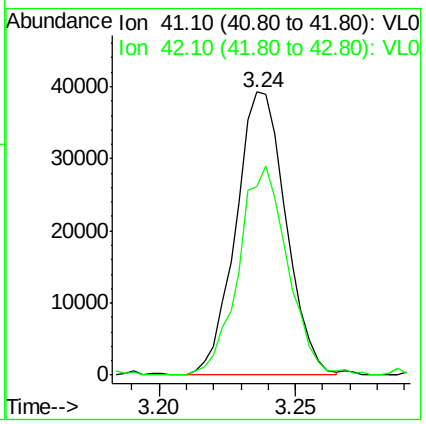


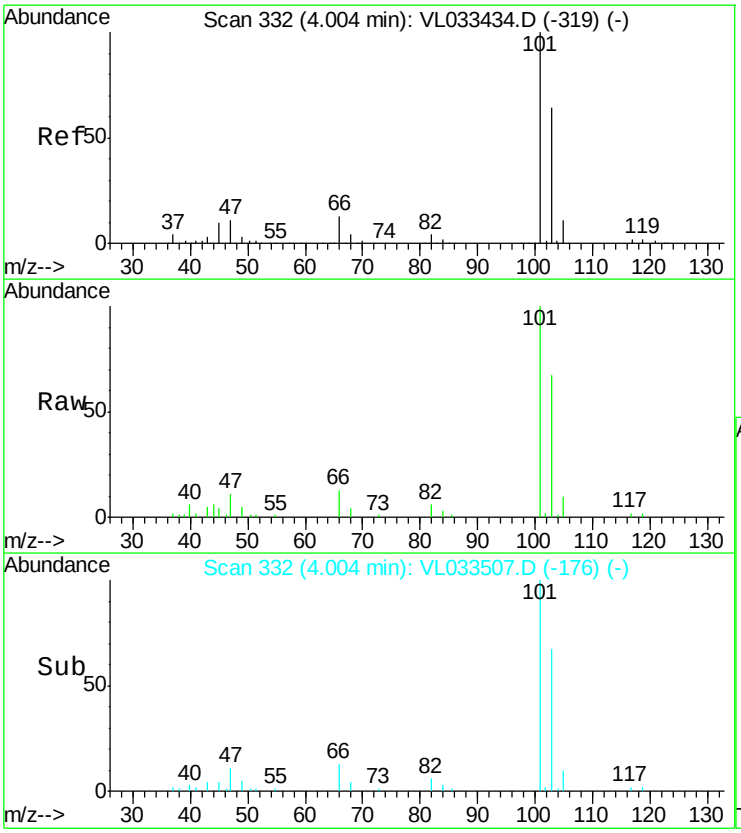
#9
Propene
Concen: 1.28 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 49929

Ion	Ratio	Lower	Upper
41	100		
42	72.4	53.9	80.9

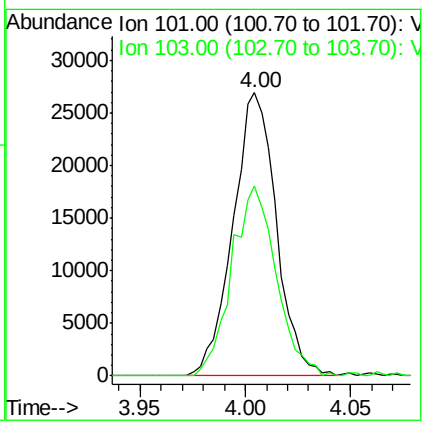


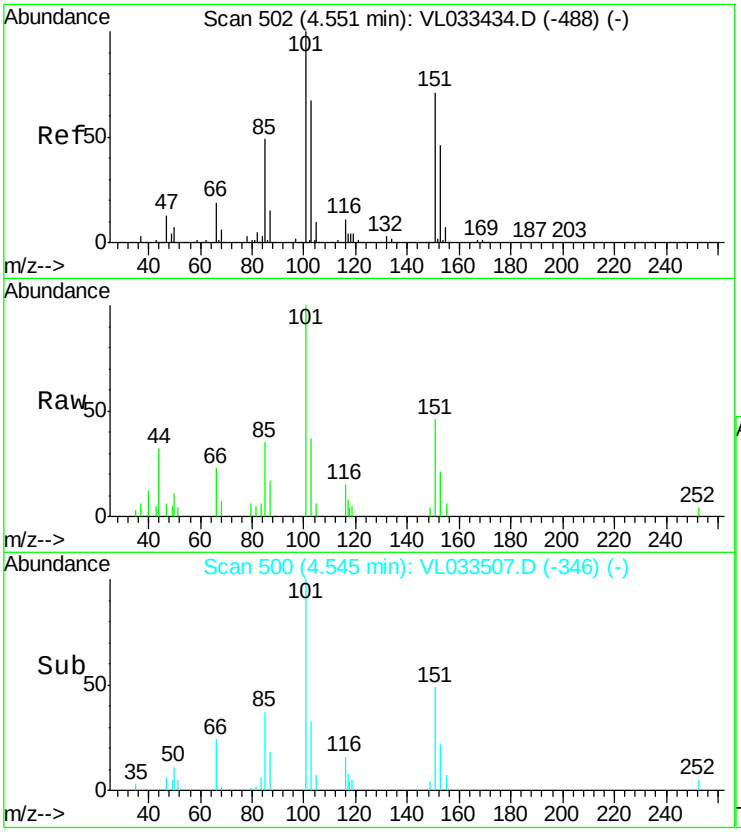


#11
Trichlorofluoromethane
Concen: 0.26 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion:101 Resp: 38497

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.3	76.9



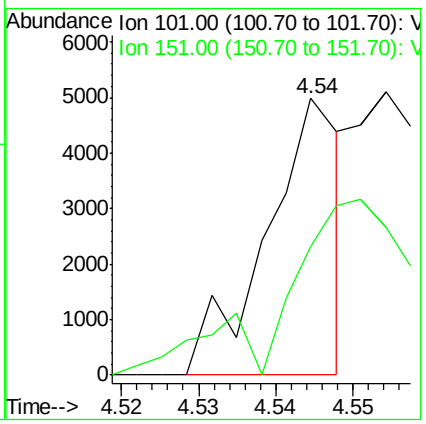


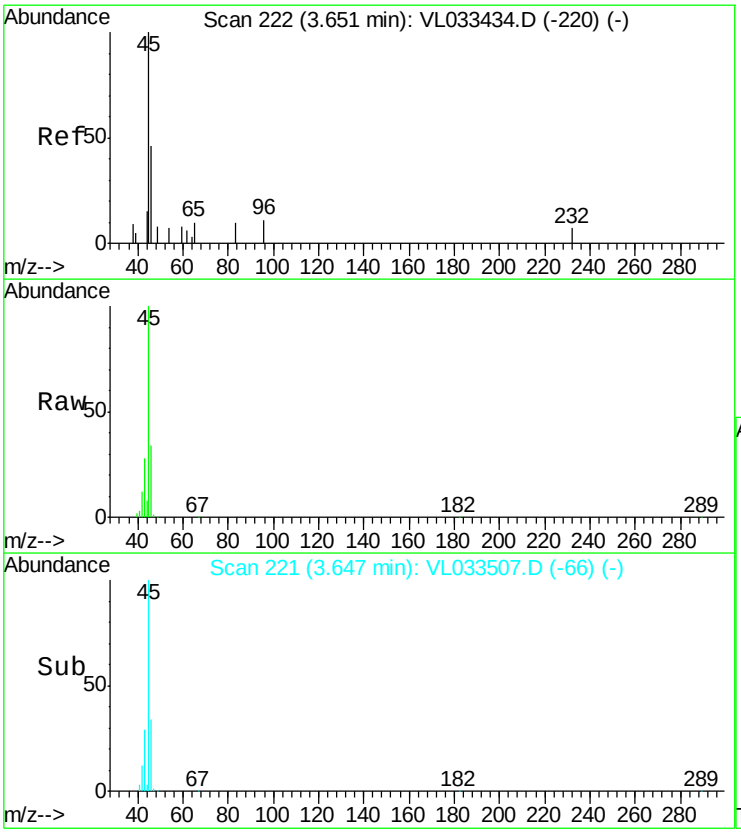
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.03 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 3320

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.7	86.5#

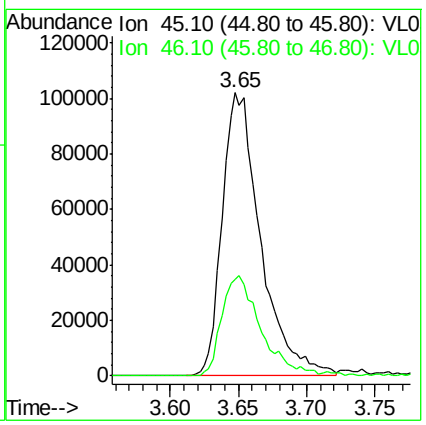


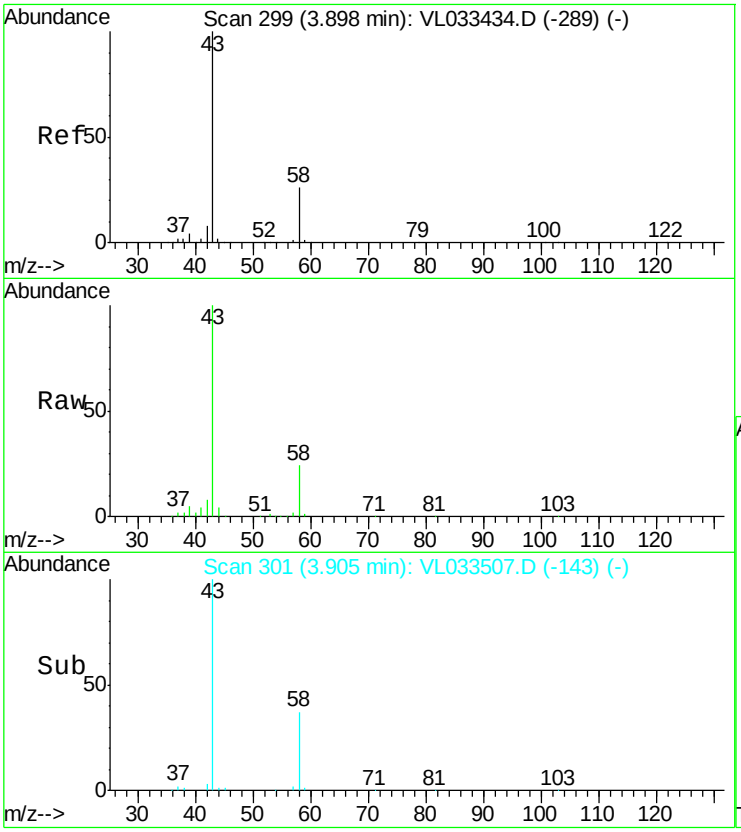


#13
Ethanol
Concen: 19.70 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 45 Resp: 199531

Ion	Ratio	Lower	Upper
45	100		
46	36.7	25.4	101.8



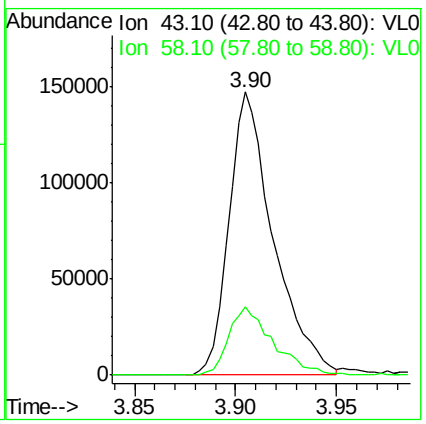


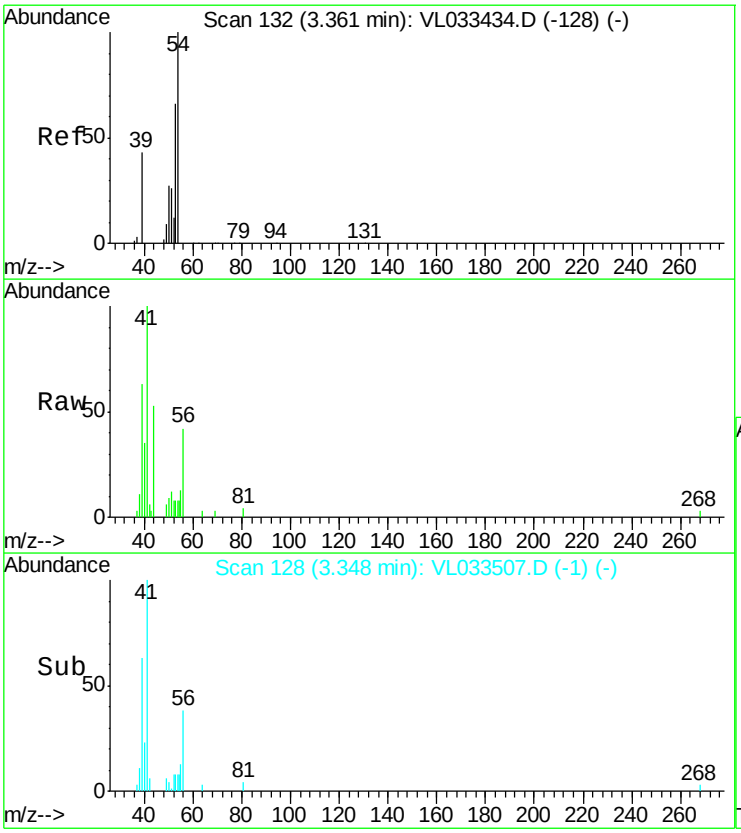
#15
Acetone
Concen: 2.32 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 225737

Ion	Ratio	Lower	Upper
43	100		
58	24.7	20.5	30.7

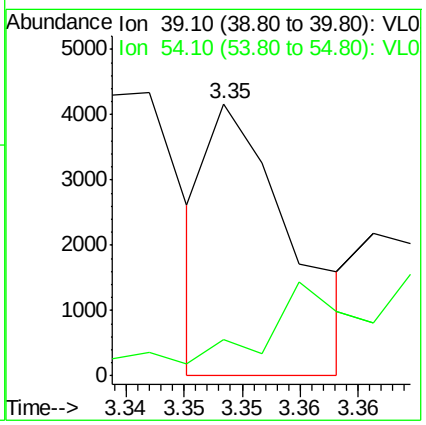


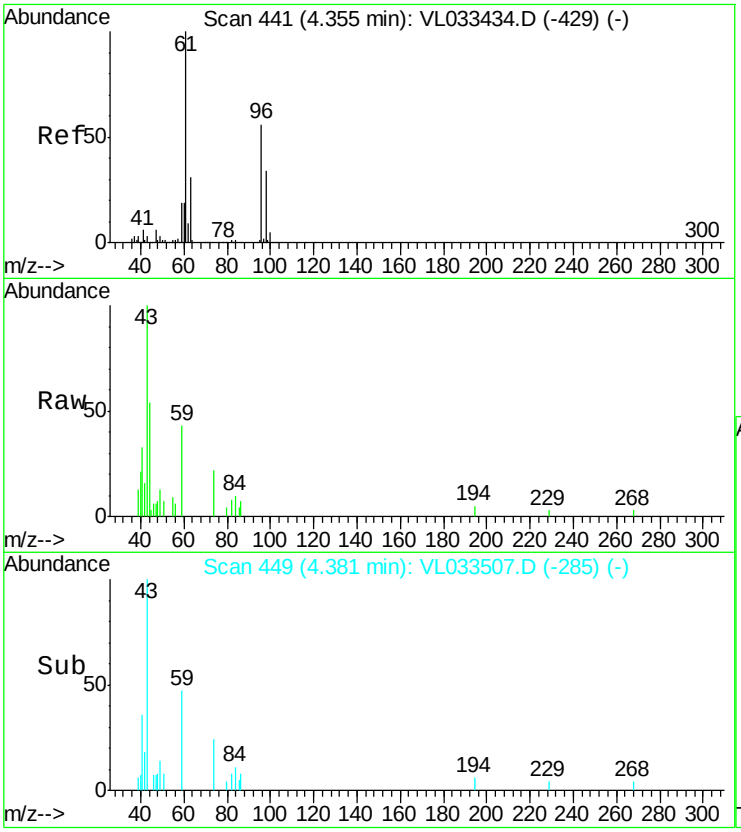


#16
1,3-Butadiene
Concen: 0.05 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 39 Resp: 2075

Ion	Ratio	Lower	Upper
39	100		
54	94.4	69.4	104.2



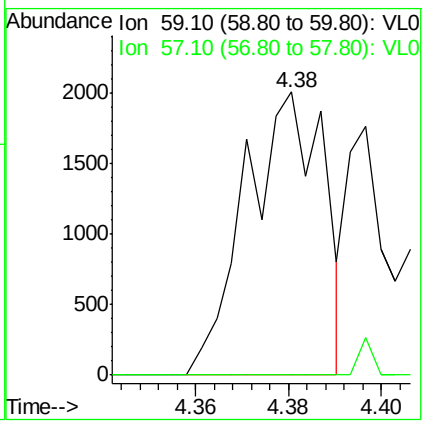


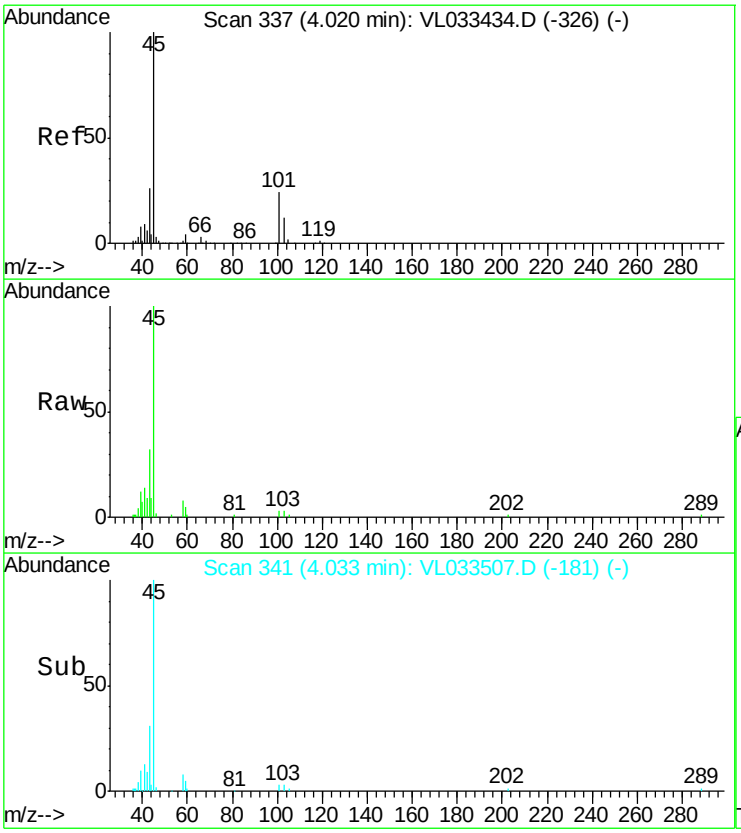
#17
tert-Butyl alcohol
Concen: 0.13 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 2337

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

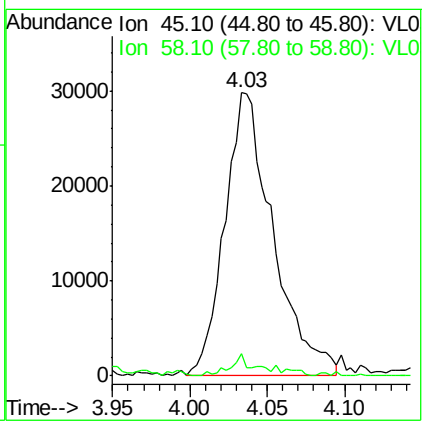


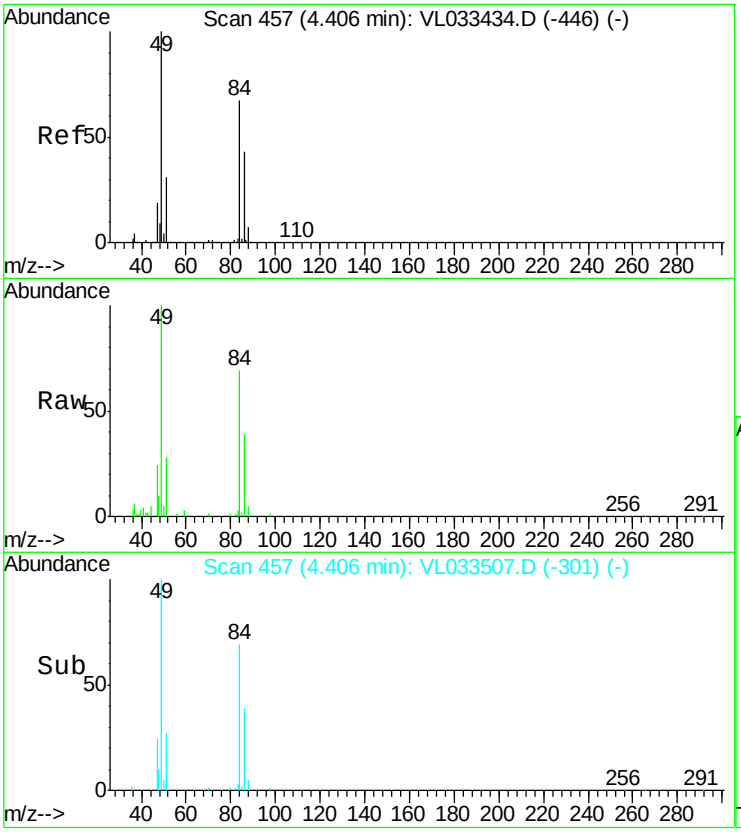


#19
Isopropyl Alcohol
Concen: 1.05 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 45 Resp: 64712

Ion	Ratio	Lower	Upper
45	100		
58	5.7	1.4	2.2#



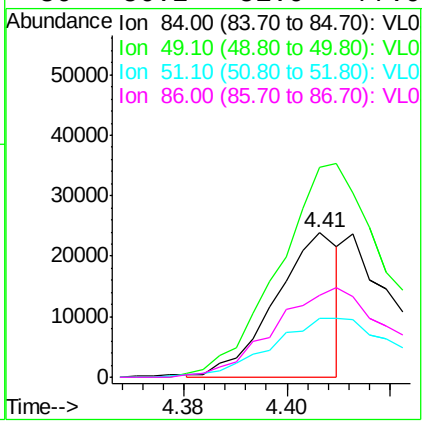


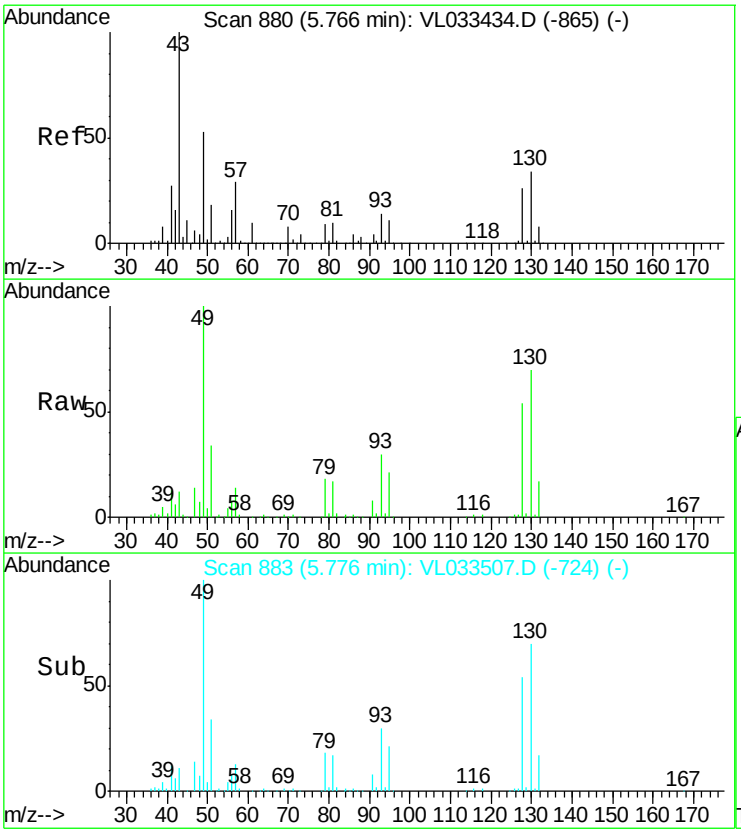
#20
Methylene Chloride
Concen: 0.50 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 20485

Ion	Ratio	Lower	Upper
84	100		
49	145.3	120.0	180.0
51	40.6	36.7	55.1
86	56.2	51.9	77.9

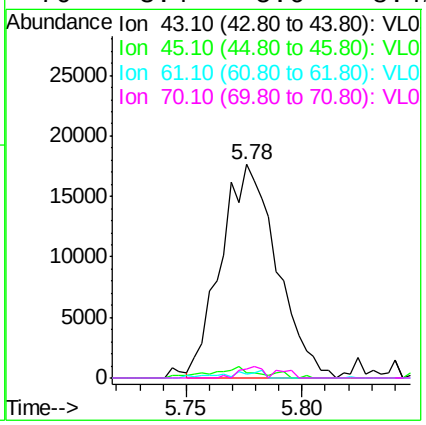


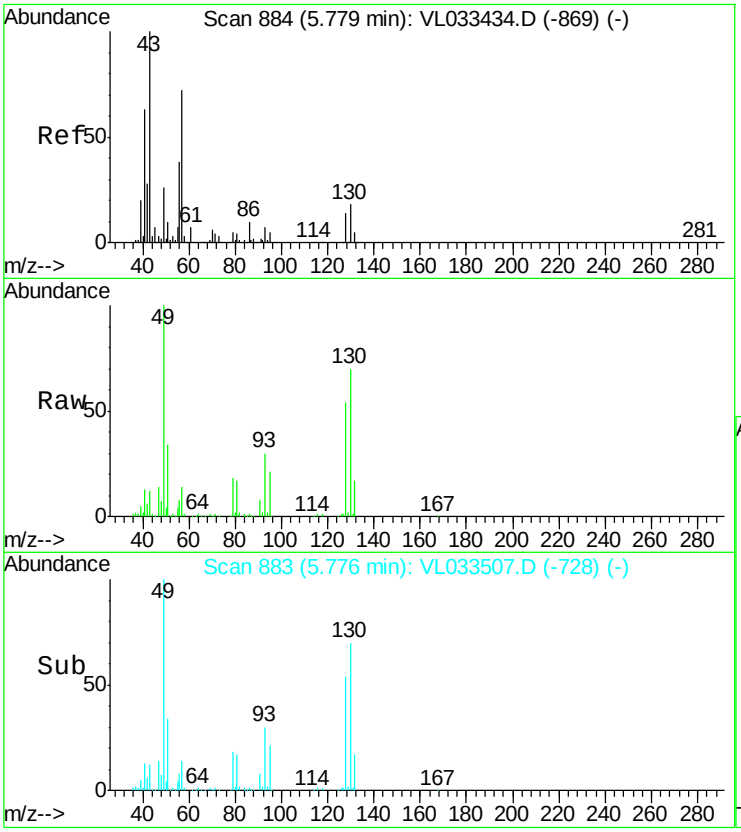


#25
Ethyl Acetate
Concen: 0.16 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 43 Resp: 29673

Ion	Ratio	Lower	Upper
43	100		
45	4.4	7.8	11.6#
61	2.3	7.3	10.9#
70	3.4	5.6	8.4#



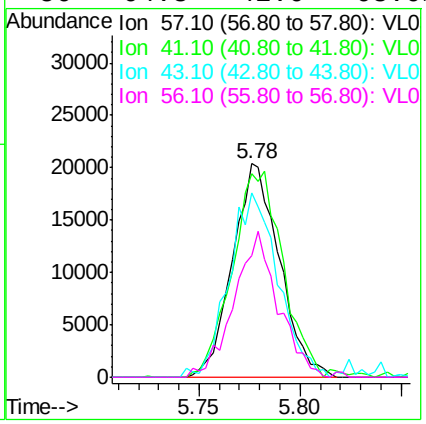


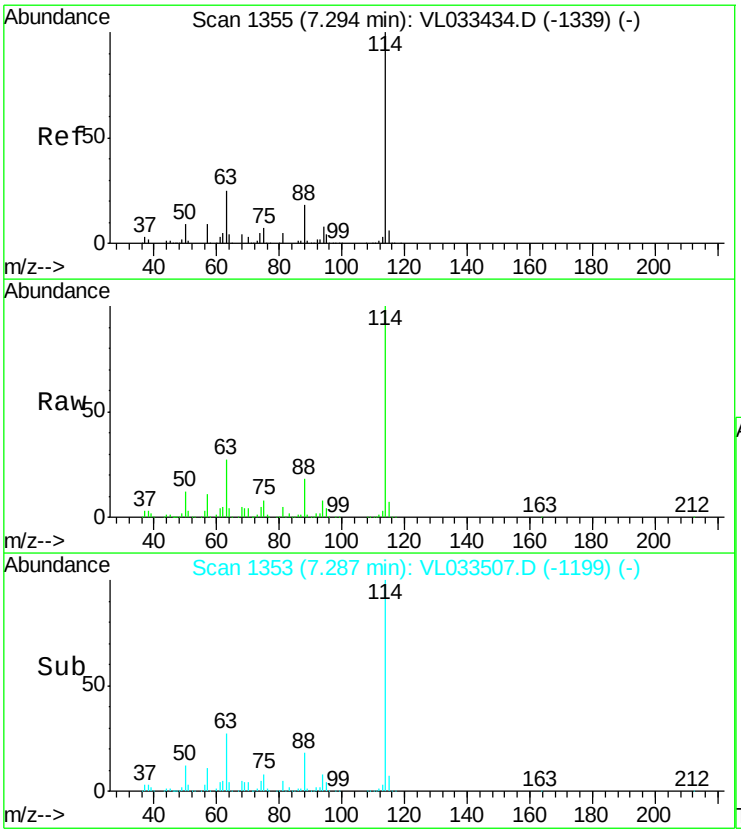
#26
Hexane
Concen: 0.41 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 33169

Ion	Ratio	Lower	Upper
57	100		
41	105.4	70.7	106.1
43	94.6	182.6	274.0#
56	64.3	42.0	63.0#

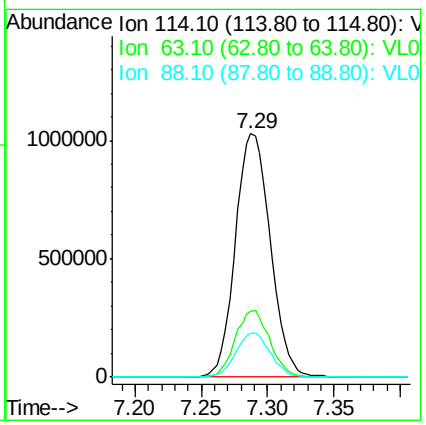


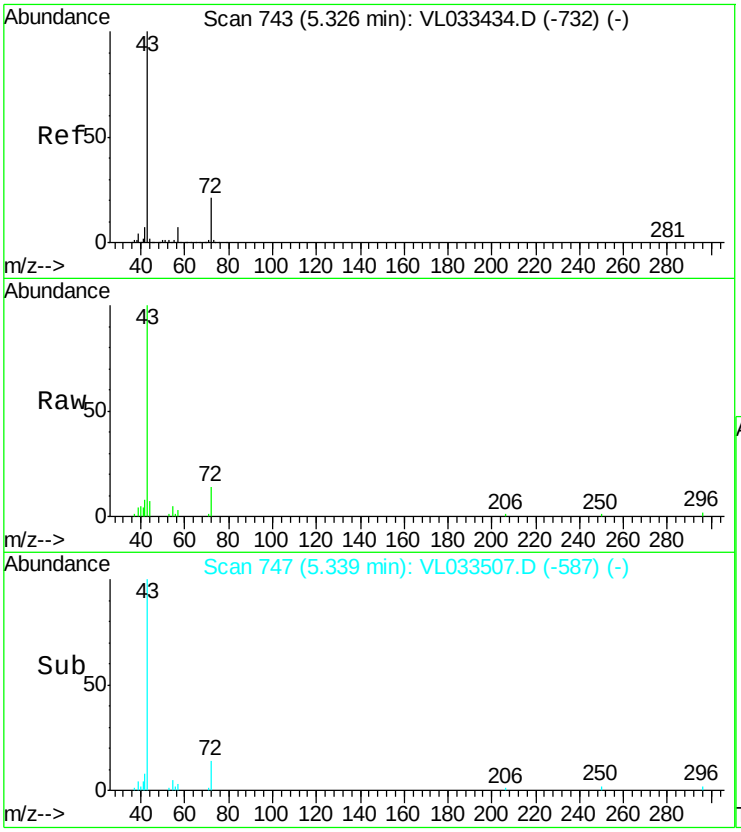


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion:114 Resp: 1883851

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.5	32.3
88	18.0	14.5	21.7



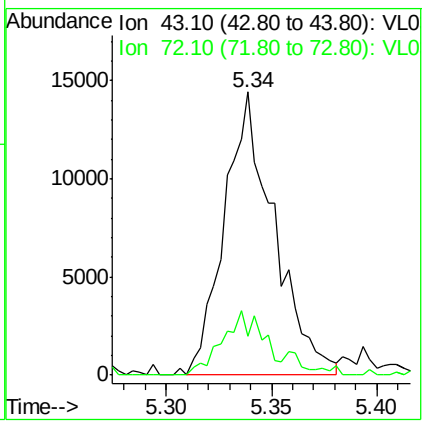


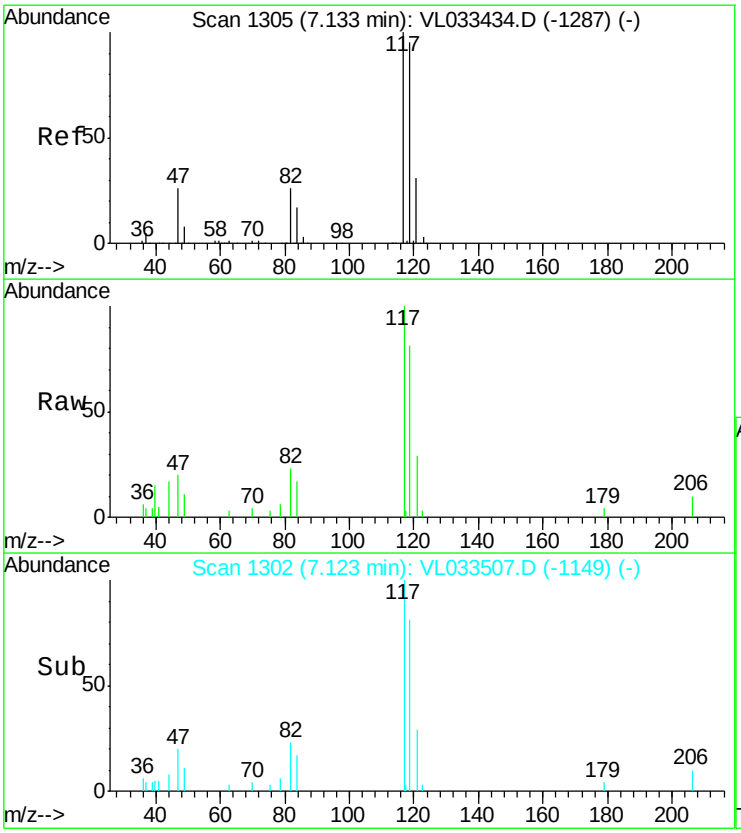
#34
2-Butanone
Concen: 0.21 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 23699

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.4	26.2

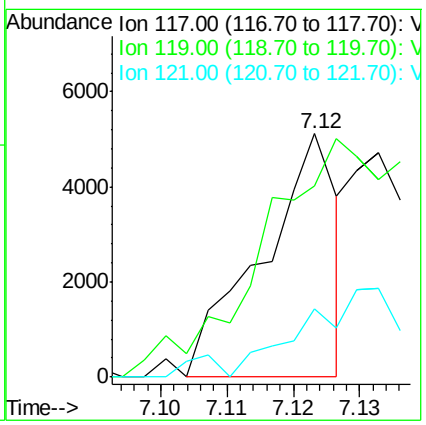


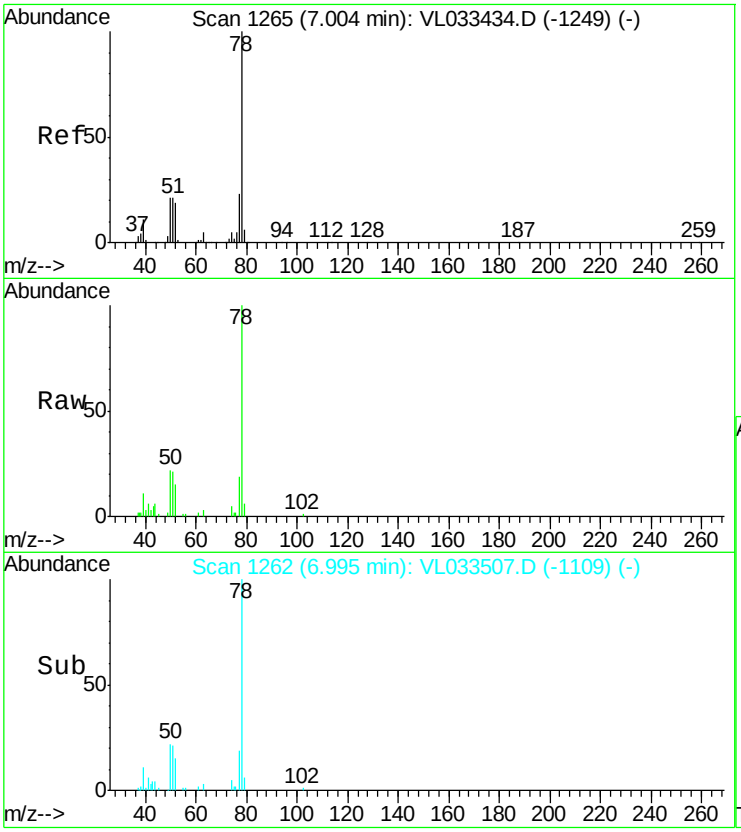


#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion:117 Resp: 4024

Ion	Ratio	Lower	Upper
117	100		
119	68.9	75.8	113.8#
121	21.7	24.7	37.1#



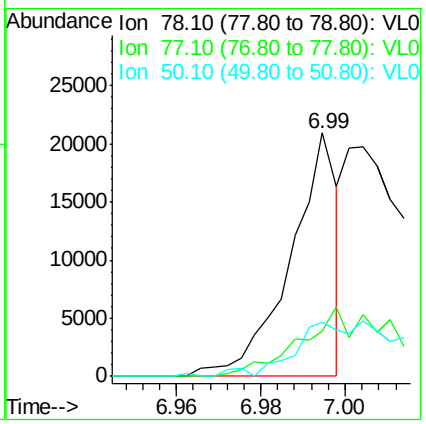


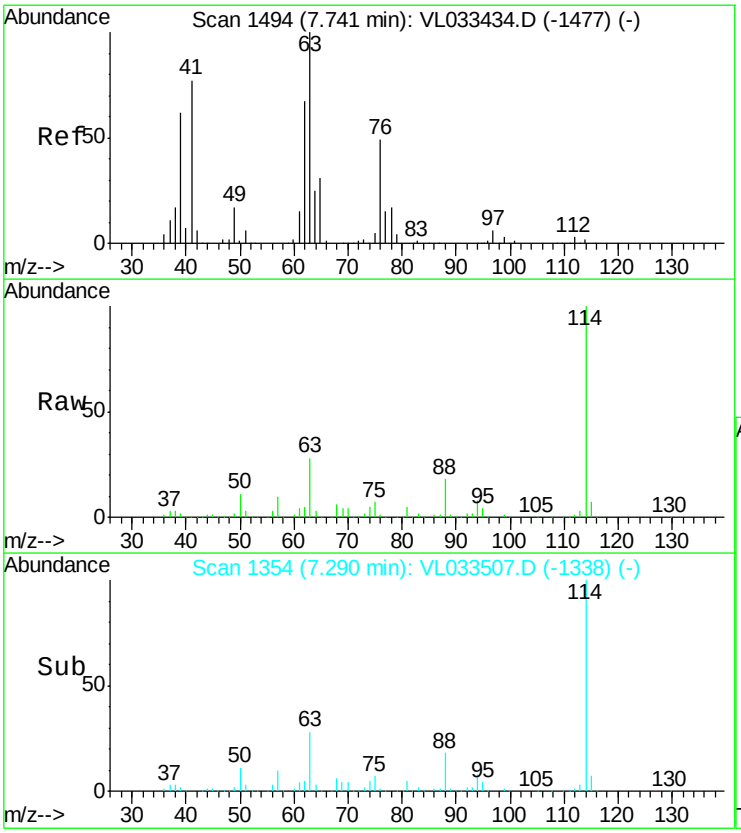
#36
Benzene
Concen: 0.10 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 16144

Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.1	27.1
50	21.3	16.7	25.1

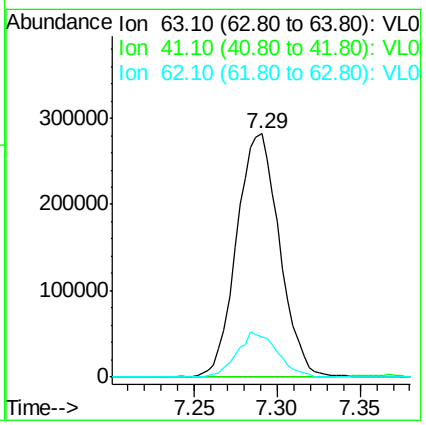


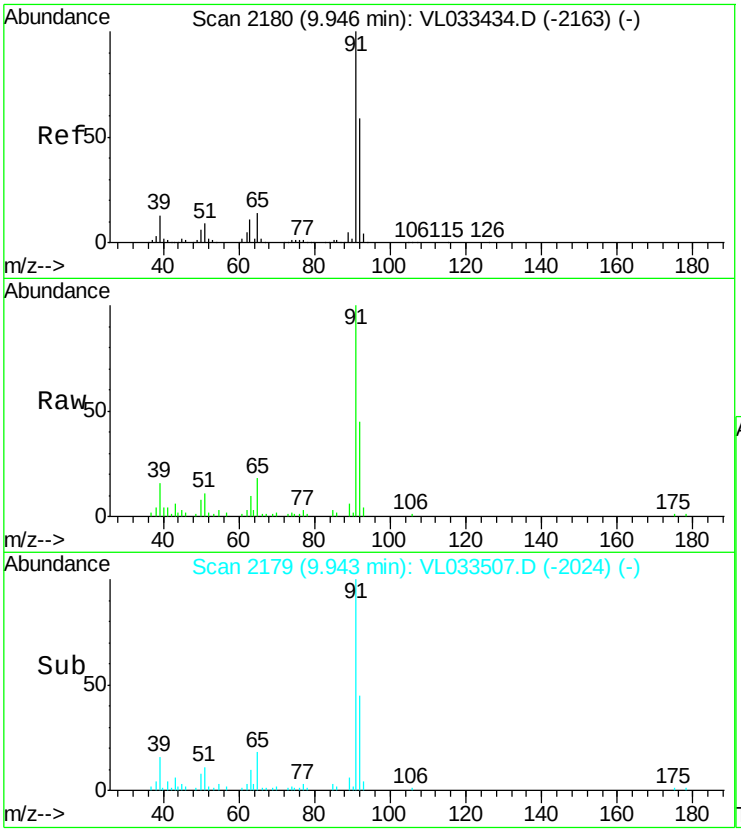


#39
1,2-Dichloropropane
Concen: 8.21 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 63 Resp: 508488

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.4	54.0	81.0#



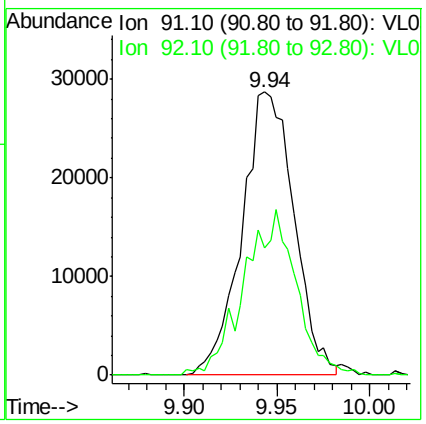


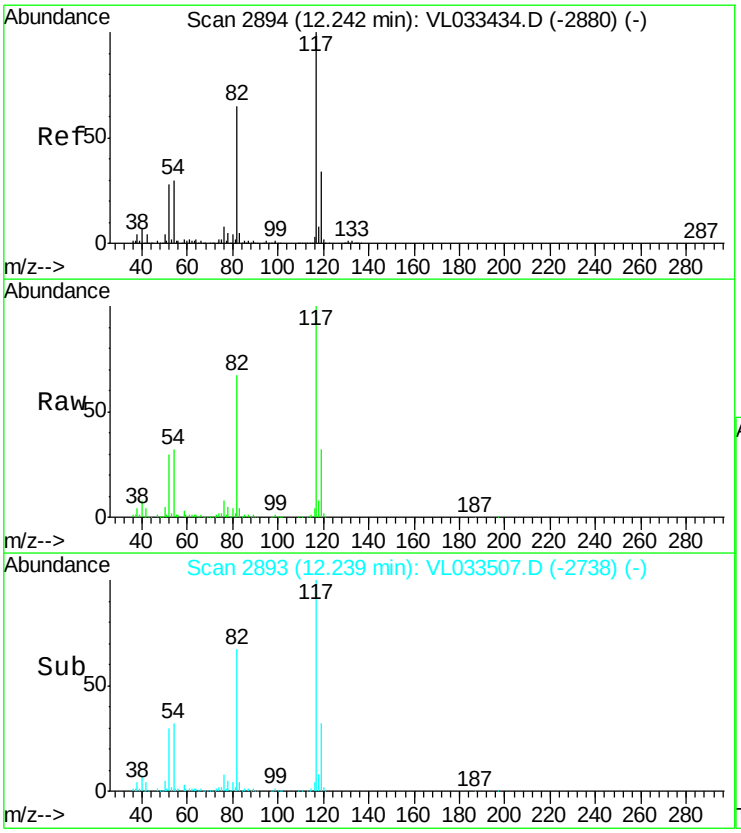
#53
Toluene
Concen: 0.31 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 56430

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.4	71.0

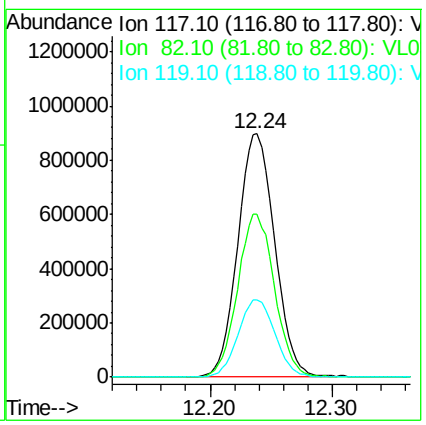


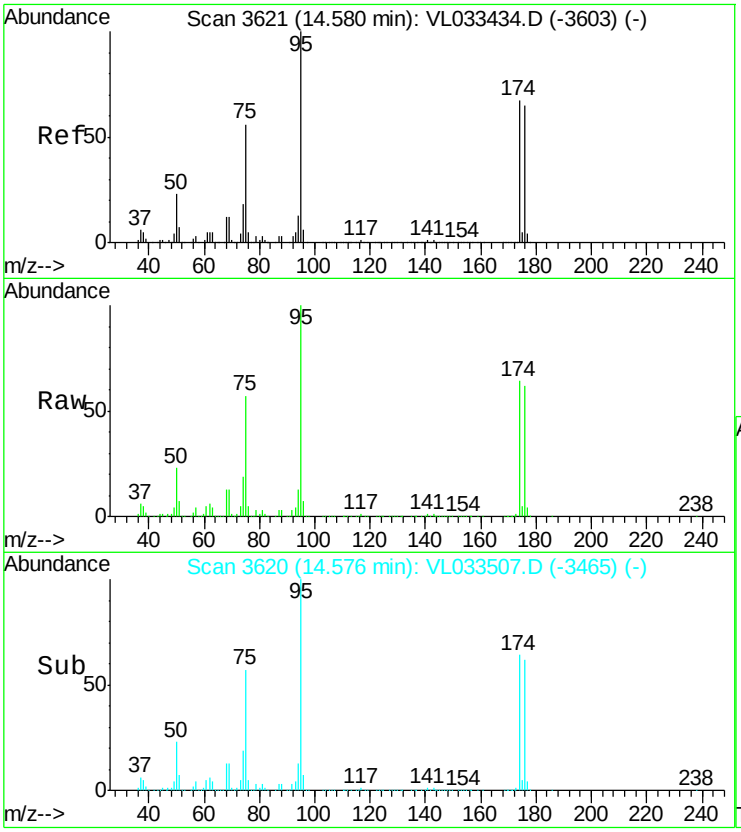


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Tgt Ion:117 Resp: 1876996

Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.5	77.3
119	31.9	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.89 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033507.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1455318

Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.9	79.3
175	4.8	3.8	5.6