Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026219.D
Acq On : 20 Oct 2015 23:44
Operator : SY/MD
Sample : G3973-01DL2 600X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 21 15:07:51 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	535160	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.30	114	1573281	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.72	117	1865021	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	1525899	10.61	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.56	51	30073	0.44	ppbv		98
9) Propene	3.59	41	1635	0.05	ppbv		95
10) Heptane	9.34	43	342684	3.23	ppbv		97
13) Ethanol	4.35	45	415	0.09	ppbv	#	36
15) Acetone	4.59	43	16491	0.21	ppbv	#	48
16) 1,3-Butadiene	3.93	39	3089	0.09	ppbv	#	7
20) Methylene Chloride	5.14	84	2666	0.08	ppbv		96
21) Allyl Chloride	5.15	41	4024	0.08	ppbv	#	67
23) Vinyl Acetate	5.93	43	90576	0.62	ppbv	#	1
25) Ethyl Acetate	6.64	43	155899	1.06	ppbv	#	77
26) Hexane	6.64	57	233208	3.16	ppbv	#	45
30) Cyclohexane	8.26	84	220552	2.99	ppbv		93
34) 2-Butanone	6.23	43	6197	0.07	ppbv	#	70
36) Benzene	7.99	78	122230	0.76	ppbv		99
38) Trichloroethene	9.04	130	2632	0.03	ppbv		90
39) 1,2-Dichloropropane	8.90	63	1938	0.03	ppbv	#	1
41) Tetrahydrofuran	7.12	42	6405	0.12	ppbv	#	34
42) Bromodichloromethane	8.99	83	71143	0.60	ppbv	#	25
43) Methyl Methacrylate	9.19	69	37263	0.64	ppbv	#	1
44) 2,2,4-Trimethylpentane	9.07	57	4171652	16.08	ppbv	#	86
50) 4-Methyl-2-Pentanone	10.05	43	16704	0.14	ppbv	#	81
51) 2-Hexanone	11.63	43	74957	0.67	ppbv	#	36
53) Toluene	11.21	91	3670589	16.84	ppbv		100
57) Chlorobenzene	13.81	112	71552	0.40	ppbv	#	40
58) Ethyl Benzene	14.38	91	762934	2.52	ppbv		100
59) m/p-Xylene	14.66	91	2177787	9.20	ppbv		99
60) o-Xylene	15.46	91	670839	2.71	ppbv		99
61) Styrene	15.28	104	3293	0.03	ppbv	#	31
62) Isopropylbenzene	16.52	105	46724	0.14	ppbv		97
64) n-propylbenzene	17.49	120	17432	0.18	ppbv		84
71) 2-Chlorotoluene	17.49	91	76569	0.30	ppbv	#	42
72) 4-Ethyltoluene	17.79	105	47402	0.16	ppbv		97
73) 1,3,5-Trimethylbenzene	17.96	105	44723	0.17	ppbv		99
74) 1,2,4-Trimethylbenzene	18.80	105	67013	0.24	ppbv	#	76

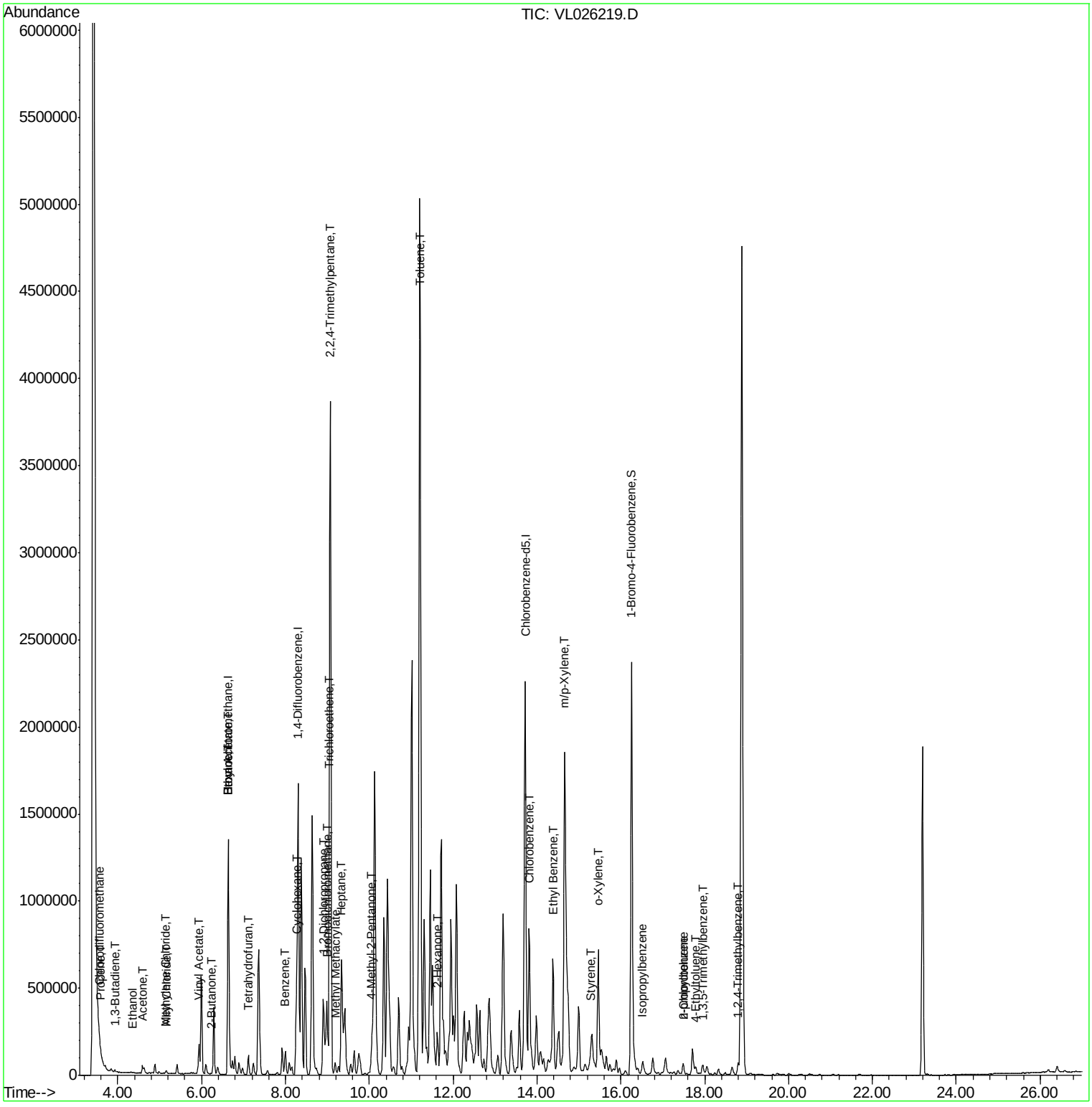
(#) = qualifier out of range (m) = manual integration (+) = signals summed

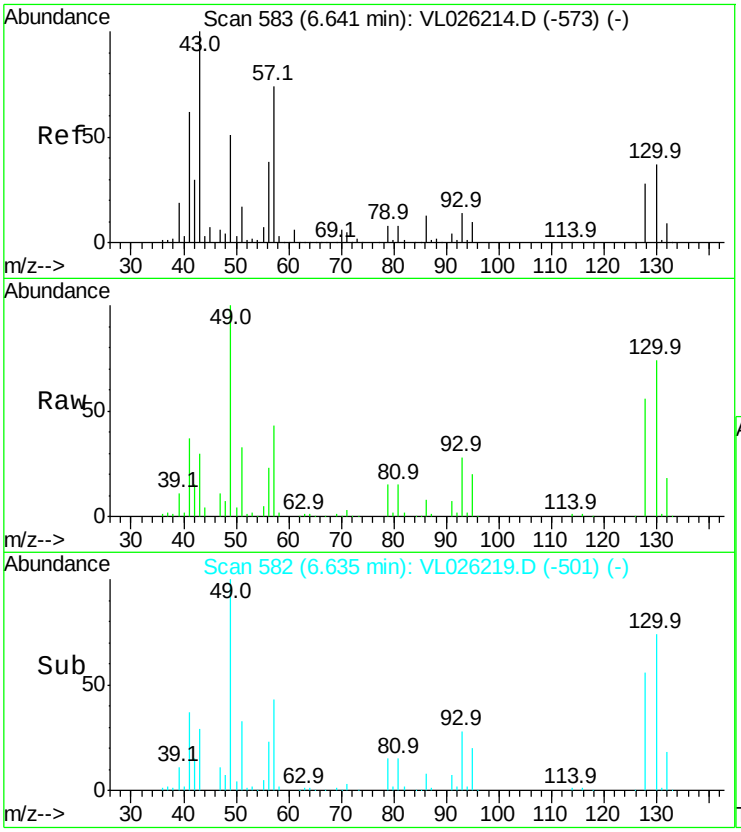
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026219.D
Acq On : 20 Oct 2015 23:44
Operator : SY/MD
Sample : G3973-01DL2 600X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Quant Time: Oct 21 15:07:51 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration



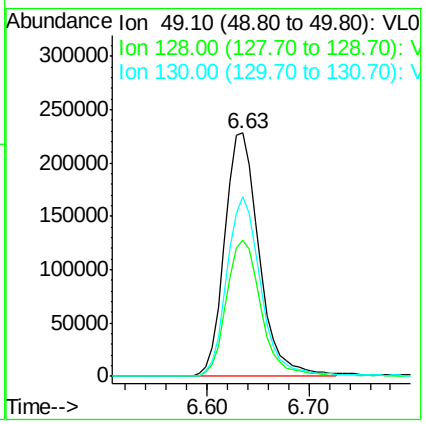


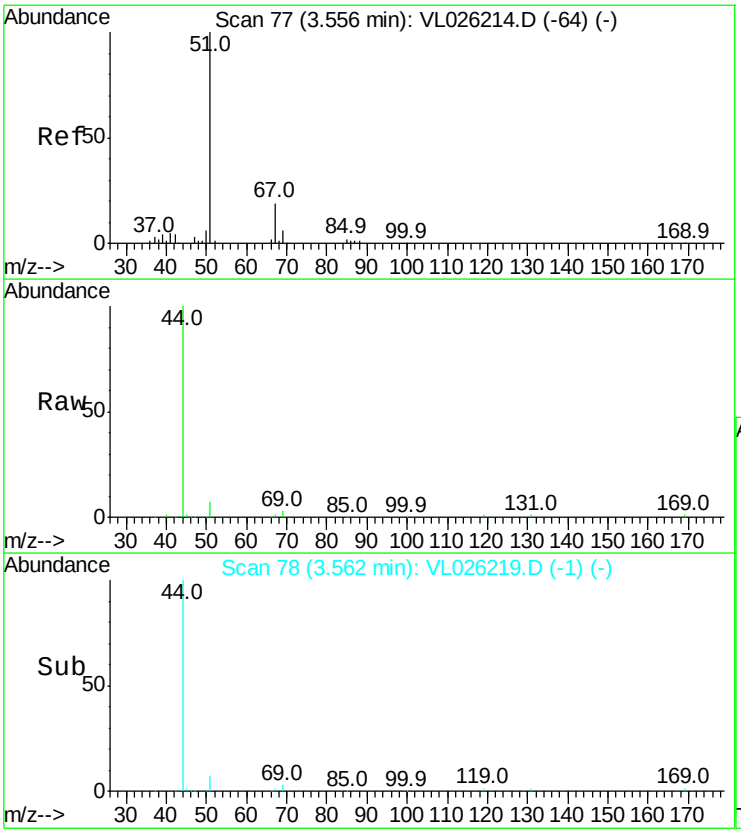
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 49 Resp: 535160

Ion	Ratio	Lower	Upper
49	100		
128	57.1	28.2	84.7
130	73.9	36.0	108.1

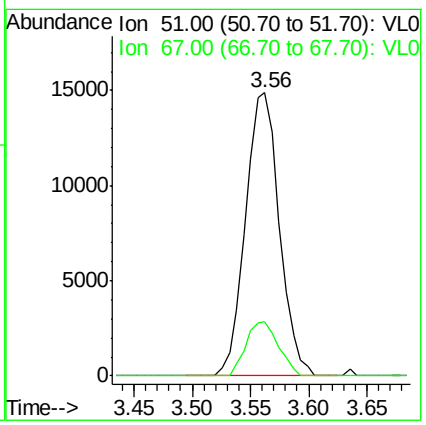


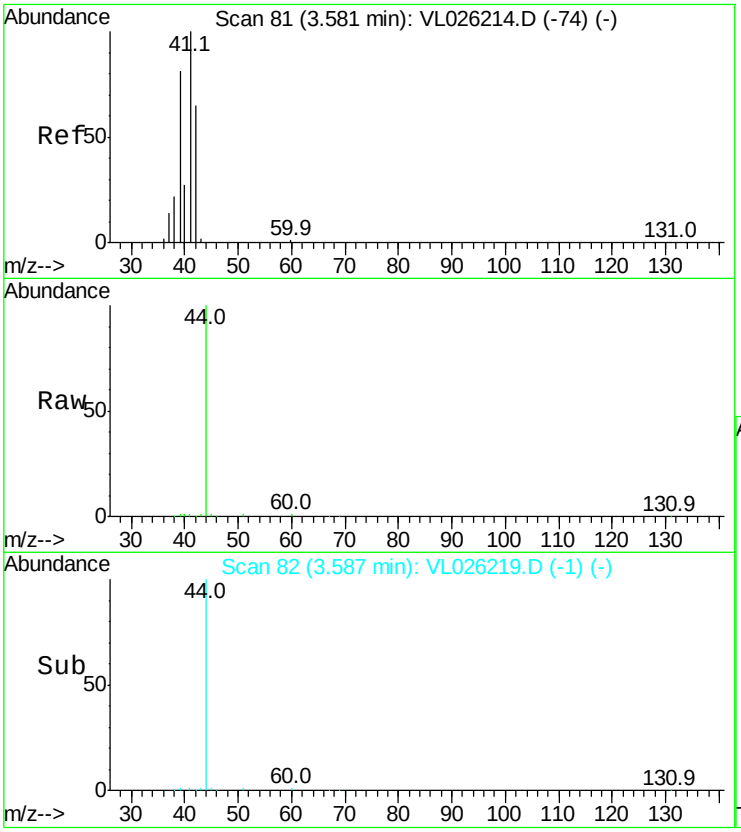


#3
Chlorodifluoromethane
Concen: 0.44 ppbv
RT: 3.56 min Scan# 78
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 51 Resp: 30073

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.3	22.9



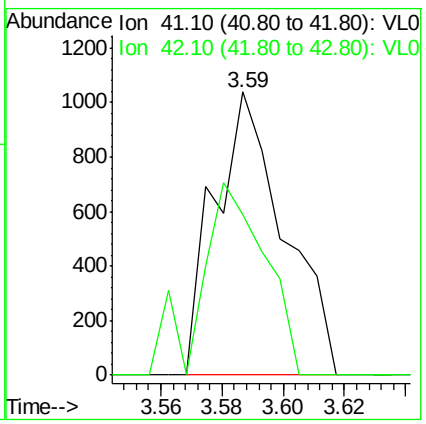


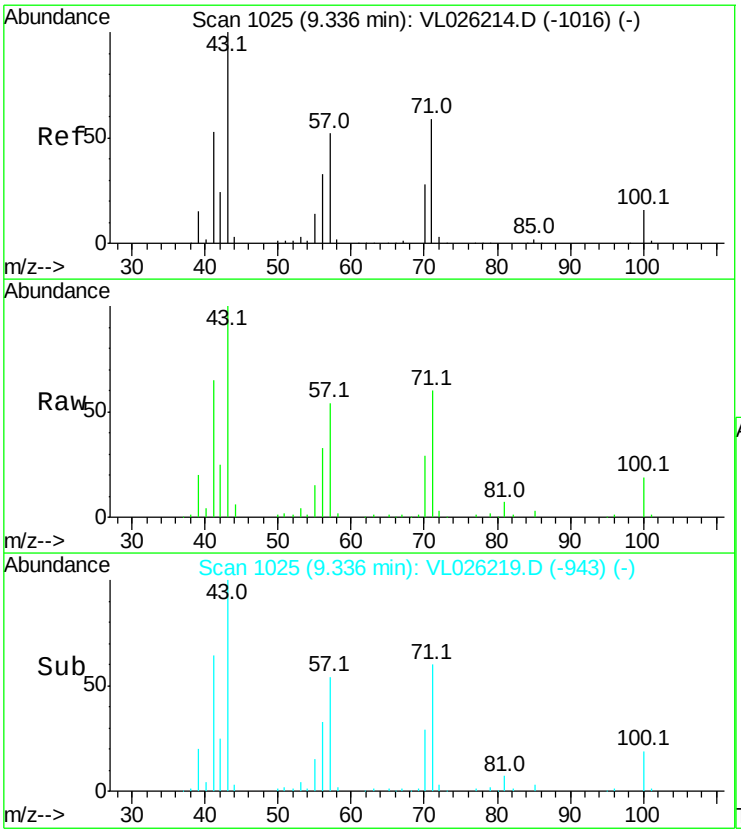
#9
Propene
Concen: 0.05 ppbv
RT: 3.59 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 41 Resp: 1635

Ion	Ratio	Lower	Upper
41	100		
42	63.0	53.8	80.8

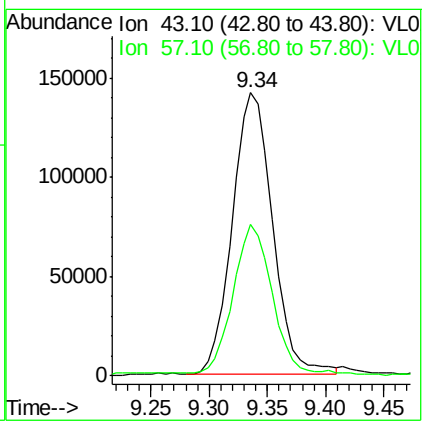


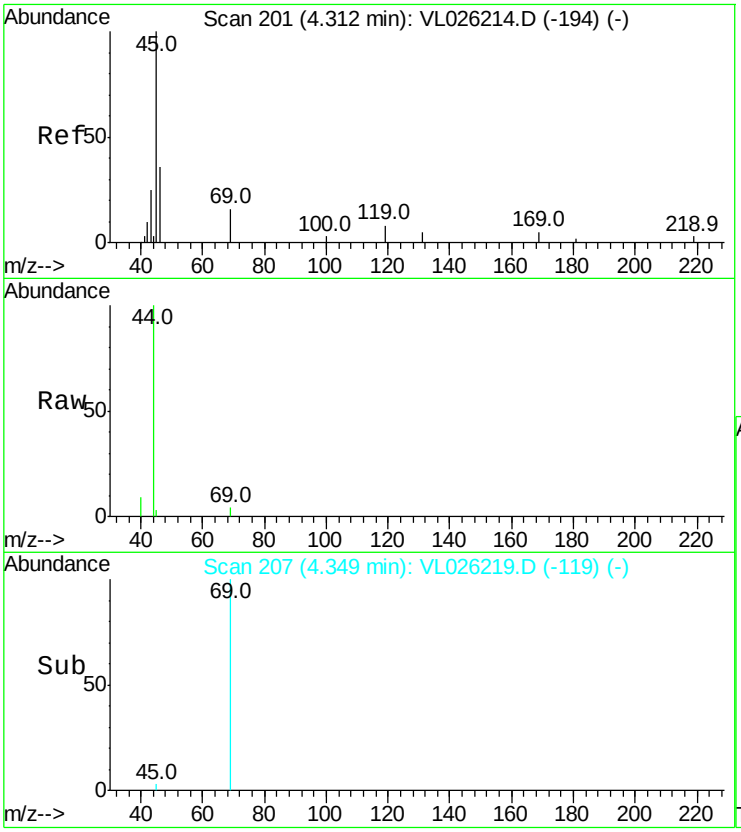


#10
Heptane
Concen: 3.23 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 43 Resp: 342684

Ion	Ratio	Lower	Upper
43	100		
57	56.4	43.7	65.5



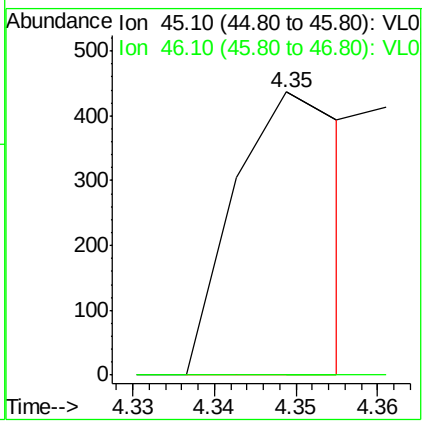


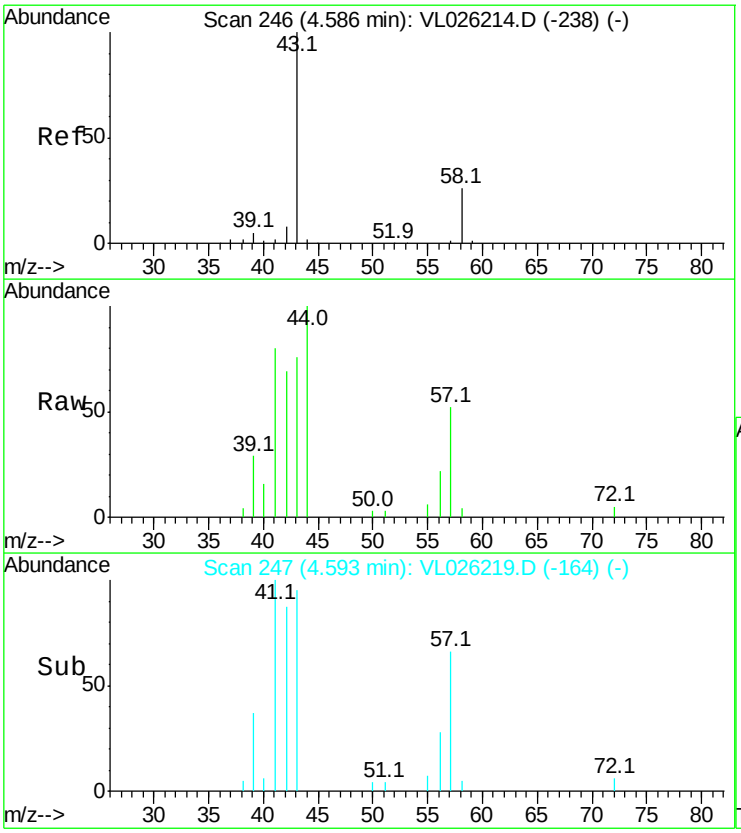
#13
Ethanol
Concen: 0.09 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.04 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 45 Resp: 415

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.8	63.0#

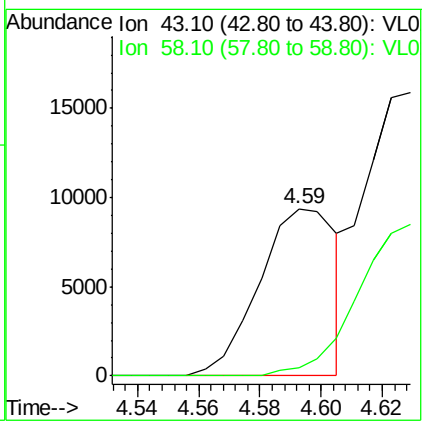


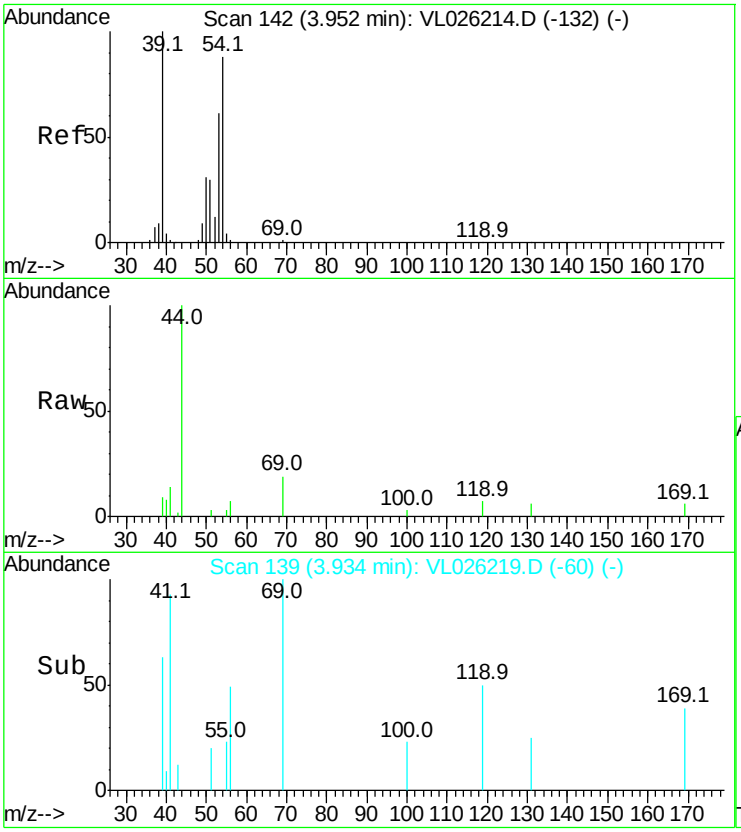


#15
Acetone
Concen: 0.21 ppbv
RT: 4.59 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 43 Resp: 16491

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.8	32.6#



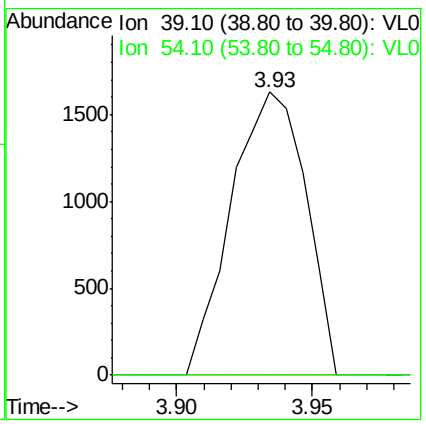


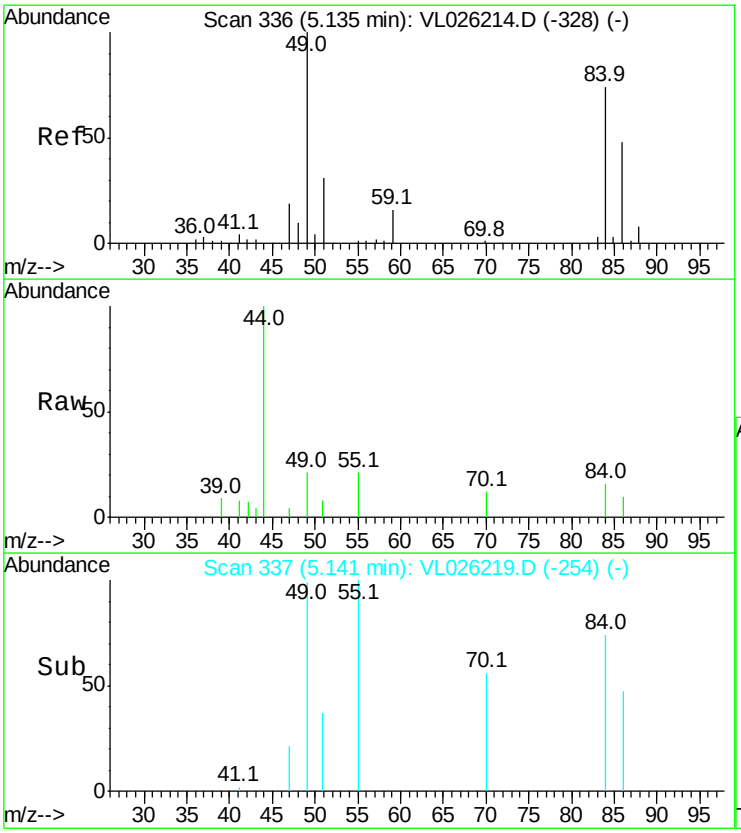
#16
1,3-Butadiene
Concen: 0.09 ppbv
RT: 3.93 min Scan# 139
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 39 Resp: 3089

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.3	100.9#

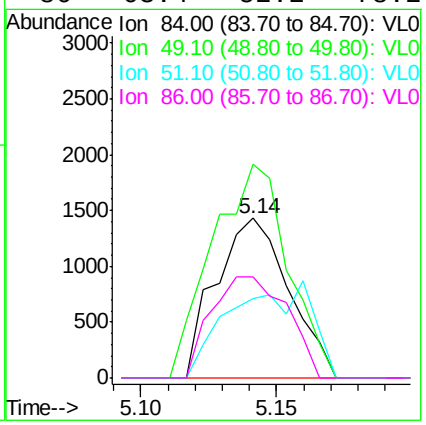


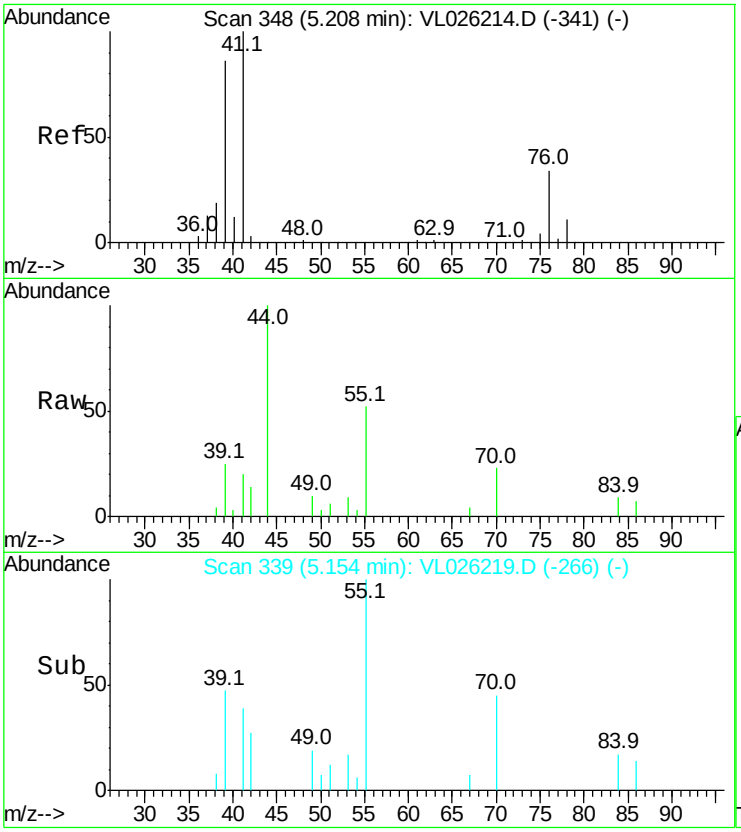


#20
Methylene Chloride
Concen: 0.08 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 84 Resp: 2666

Ion	Ratio	Lower	Upper
84	100		
49	133.8	108.7	163.1
51	49.8	33.7	50.5
86	63.4	52.2	78.2



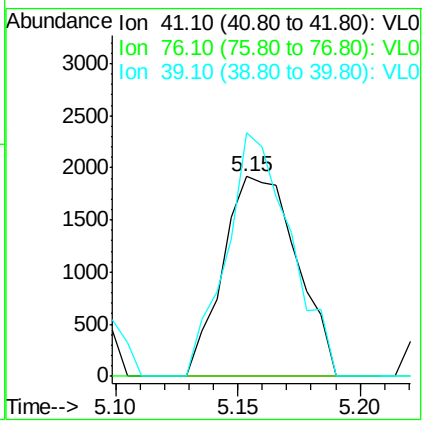


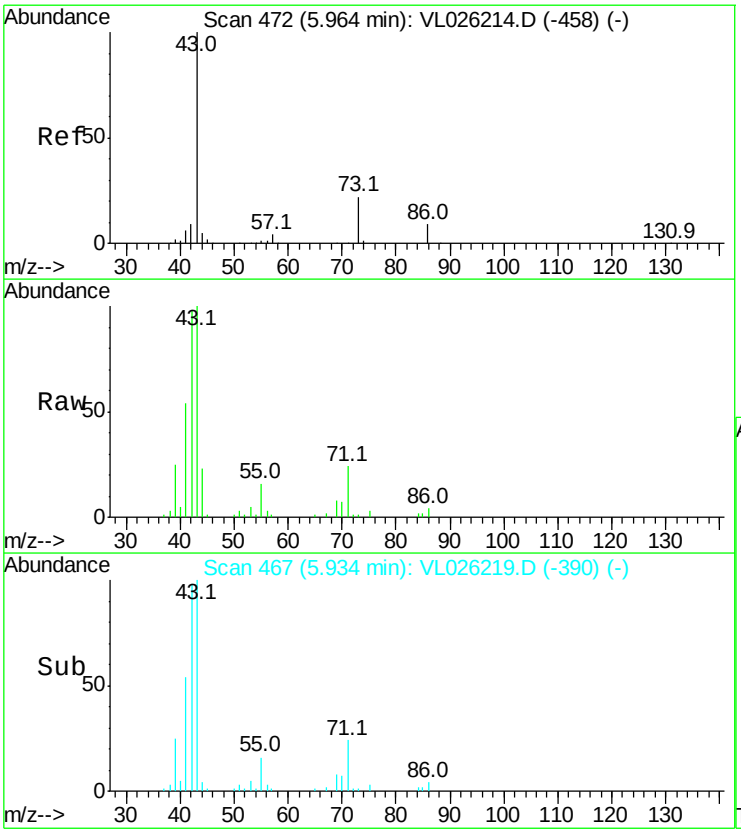
#21
Allyl Chloride
Concen: 0.08 ppbv
RT: 5.15 min Scan# 339
Delta R.T. -0.05 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 41 Resp: 4024

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	39.8#
39	105.2	67.4	101.2#

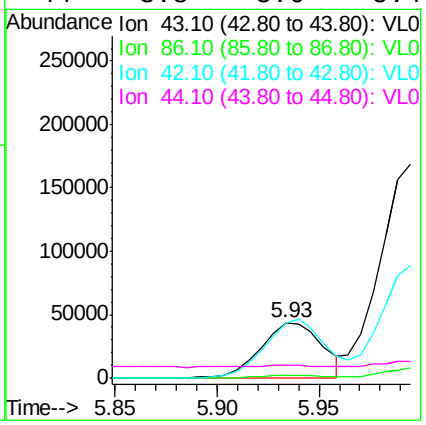


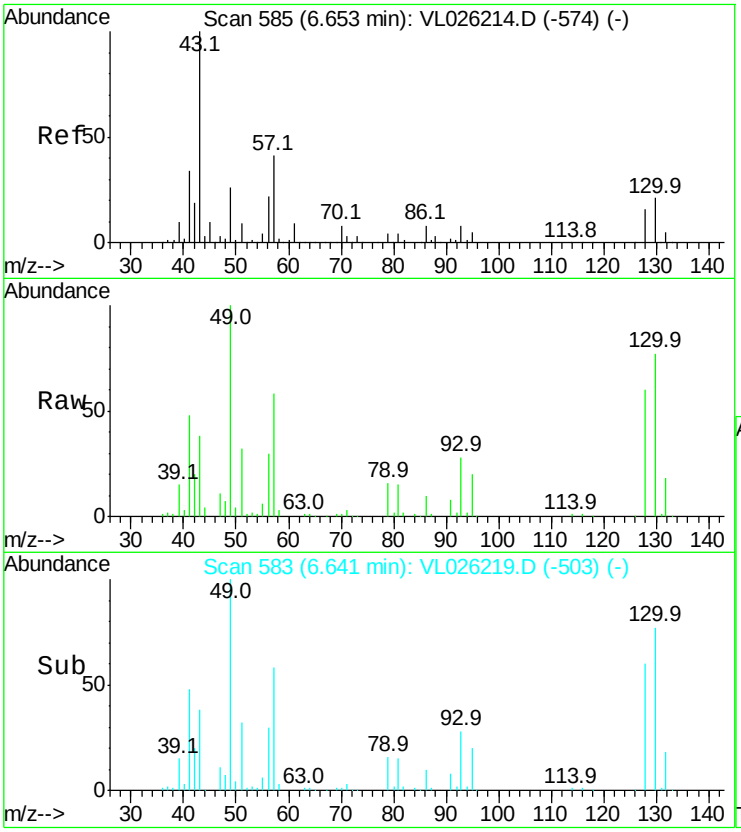


#23
Vinyl Acetate
Concen: 0.62 ppbv
RT: 5.93 min Scan# 467
Delta R.T. -0.03 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 43 Resp: 90576

Ion	Ratio	Lower	Upper
43	100		
86	4.2	7.0	10.6#
42	98.4	7.5	11.3#
44	3.8	3.6	5.4



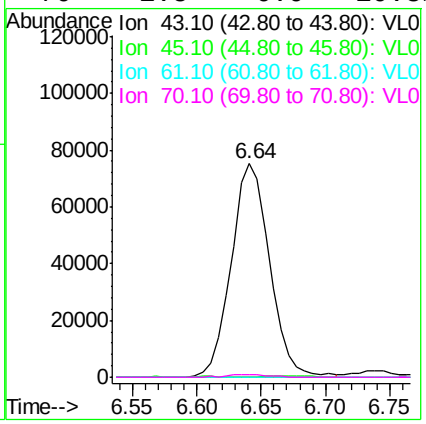


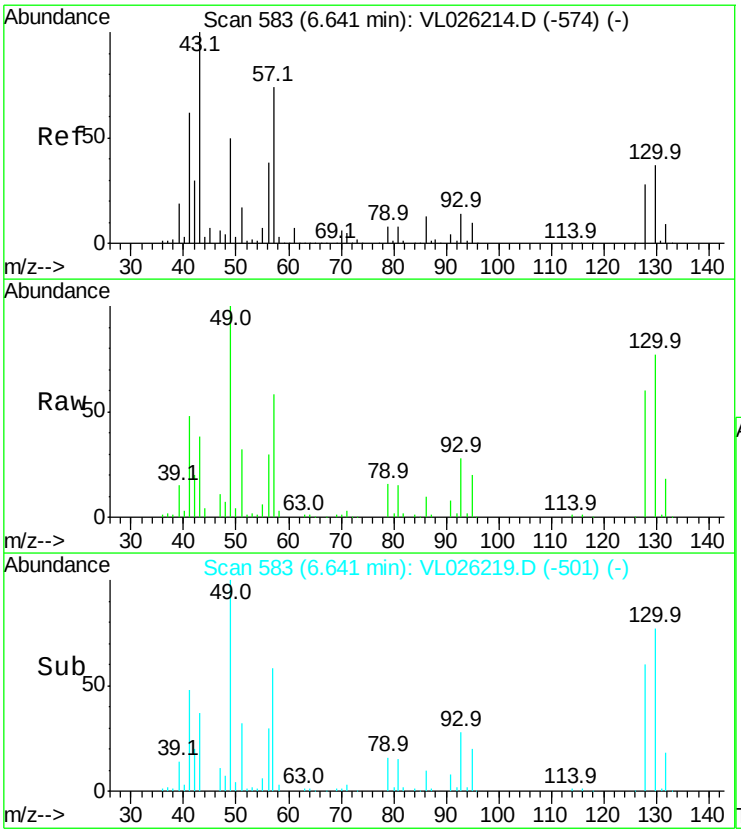
#25
Ethyl Acetate
Concen: 1.06 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 43 Resp: 155899

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.7	11.5#
61	0.0	7.5	11.3#
70	1.5	6.9	10.3#

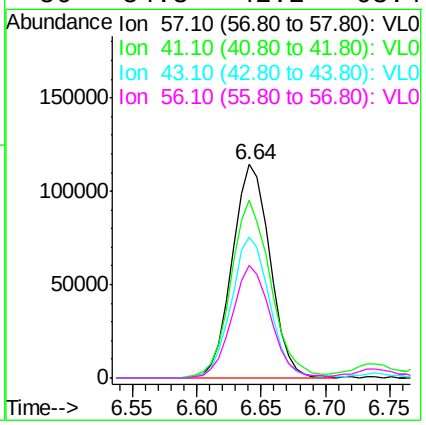


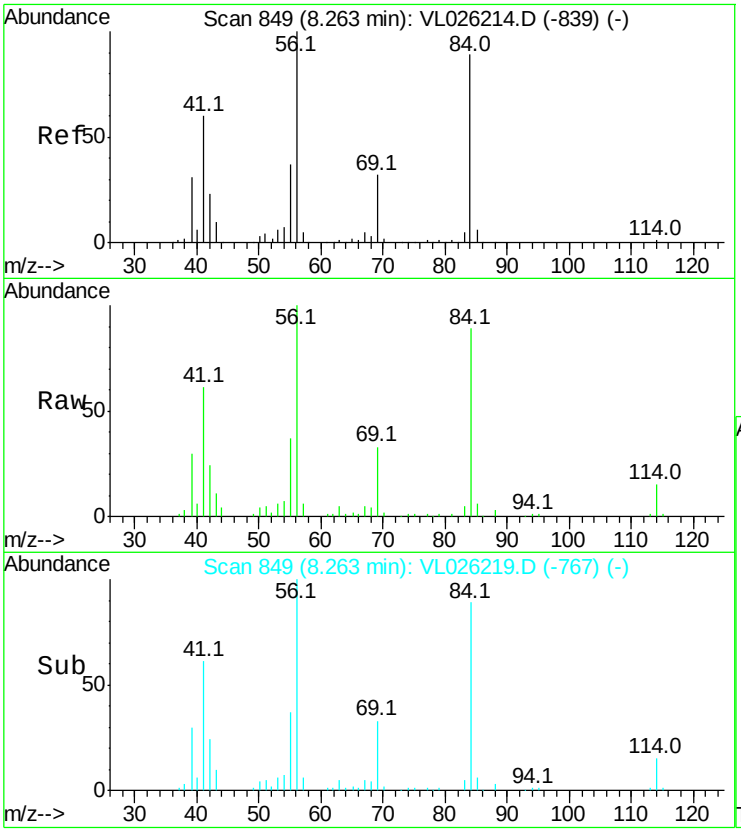


#26
Hexane
Concen: 3.16 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 57 Resp: 233208

Ion	Ratio	Lower	Upper
57	100		
41	88.0	68.1	102.1
43	66.7	163.4	245.2#
56	54.3	42.2	63.4



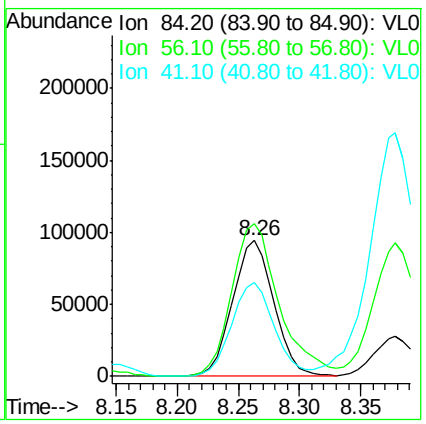


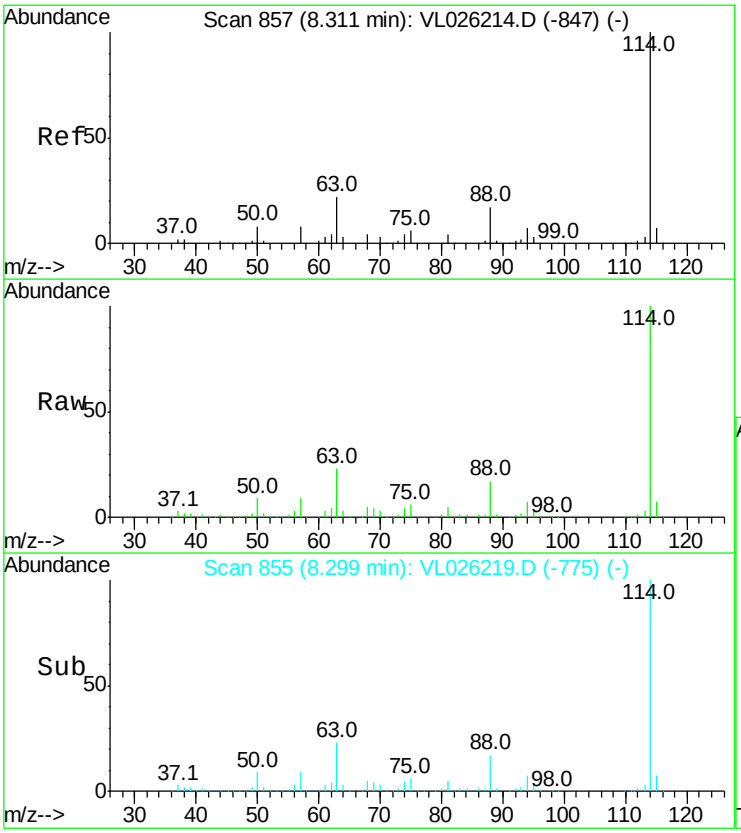
#30
Cyclohexane
Concen: 2.99 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 84 Resp: 220552

Ion	Ratio	Lower	Upper
84	100		
56	129.3	95.9	143.9
41	71.2	54.8	82.2

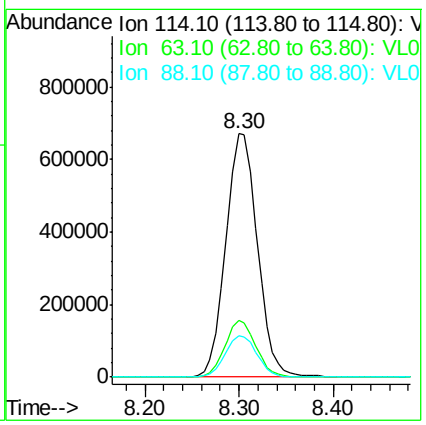


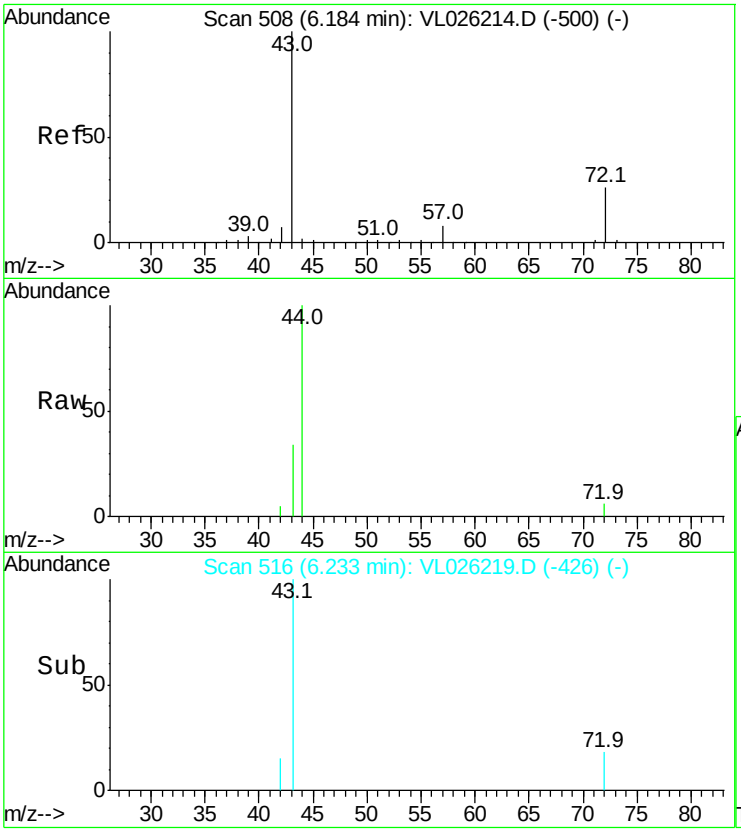


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:114 Resp: 1573281

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.2	27.4
88	17.1	13.5	20.3



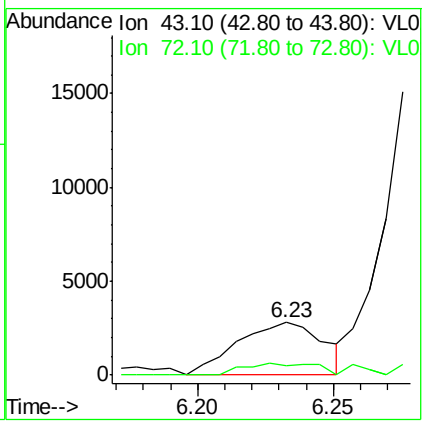


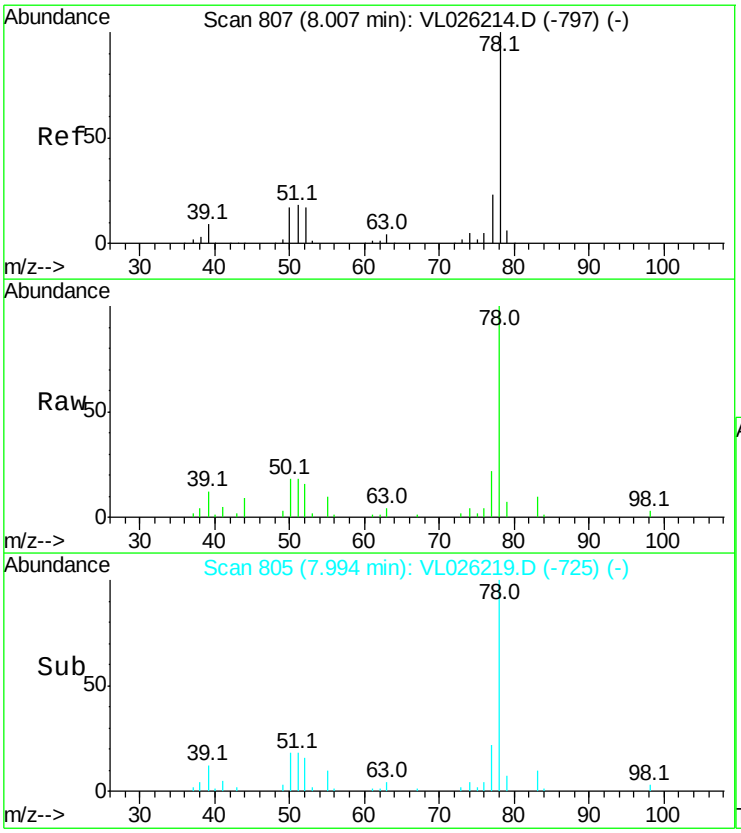
#34
2-Butanone
Concen: 0.07 ppbv
RT: 6.23 min Scan# 516
Delta R.T. 0.05 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 43 Resp: 6197

Ion	Ratio	Lower	Upper
43	100		
72	39.9	20.1	30.1#

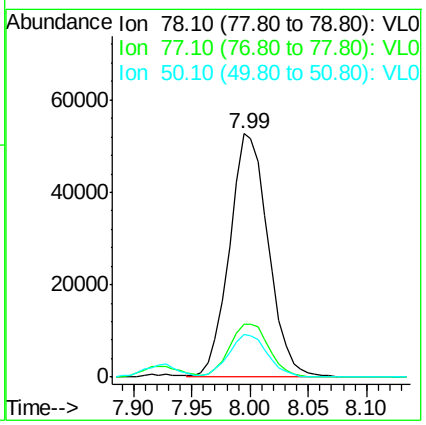


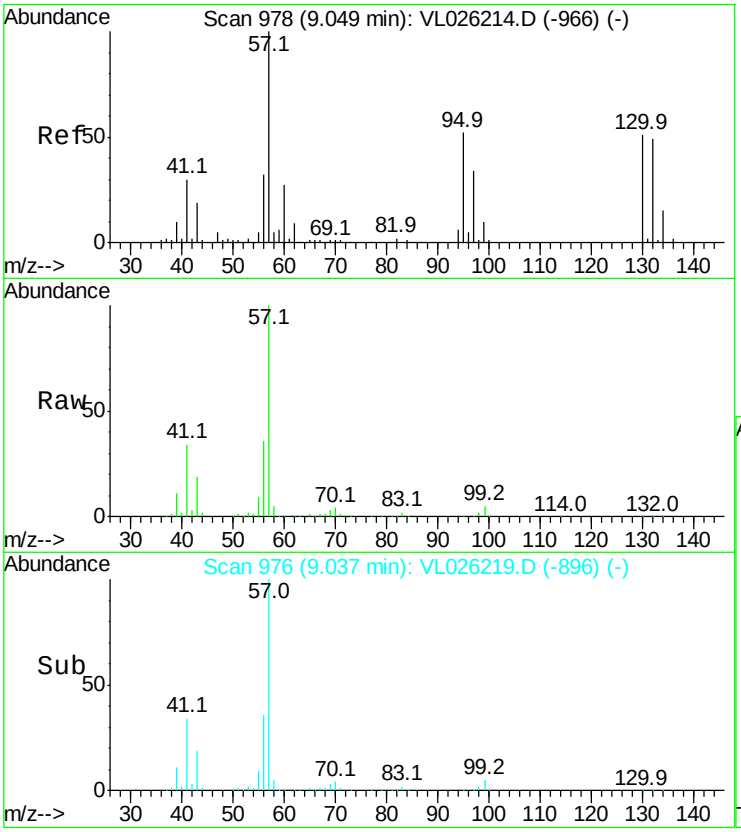


#36
Benzene
Concen: 0.76 ppbv
RT: 7.99 min Scan# 805
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 78 Resp: 122230

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.1	27.1
50	17.6	13.8	20.8



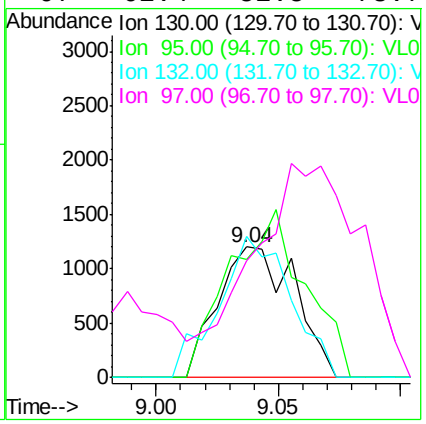


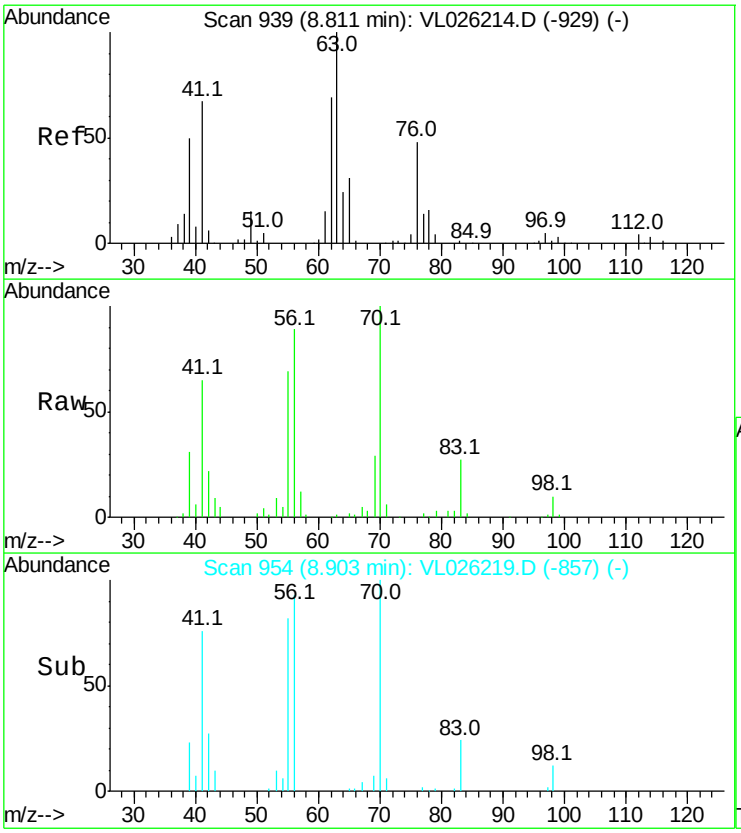
#38
Trichloroethene
Concen: 0.03 ppbv
RT: 9.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:130 Resp: 2632

Ion	Ratio	Lower	Upper
130	100		
95	90.3	81.0	121.4
132	108.4	76.5	114.7
97	62.4	52.5	78.7

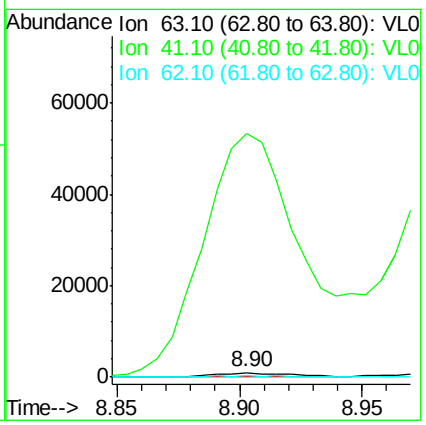


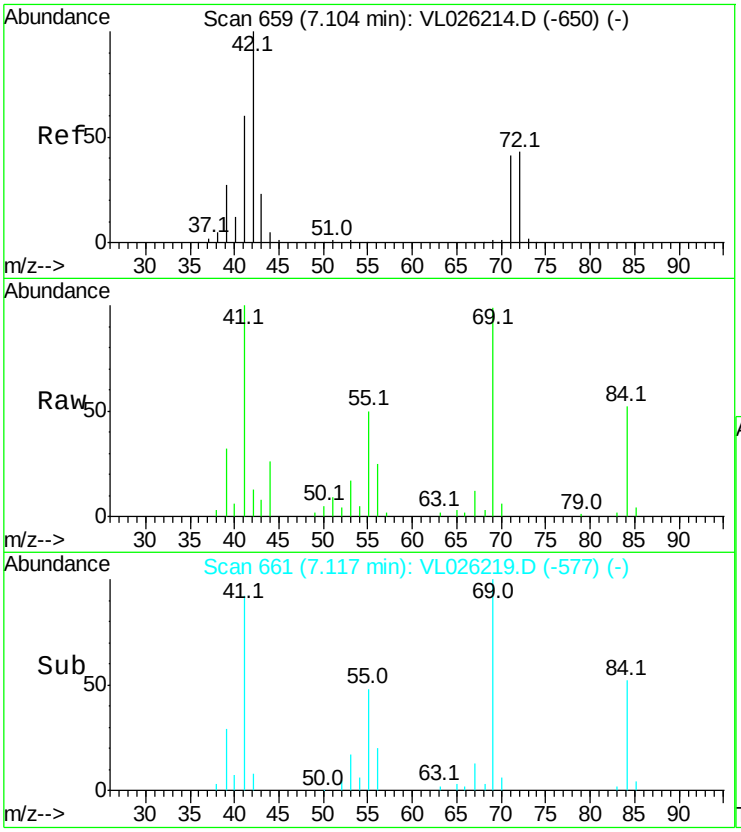


#39
1,2-Dichloropropane
Concen: 0.03 ppbv
RT: 8.90 min Scan# 954
Delta R.T. 0.09 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 63 Resp: 1938

Ion	Ratio	Lower	Upper
63	100		
41	3546.5	53.2	79.8#
62	36.1	55.4	83.2#



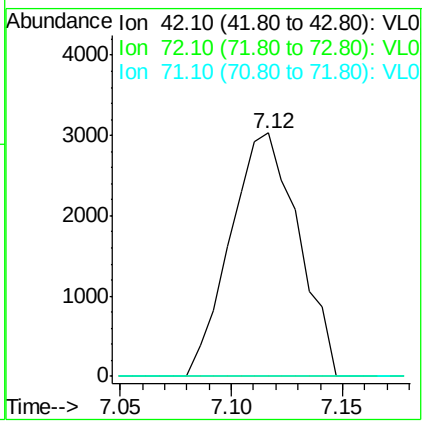


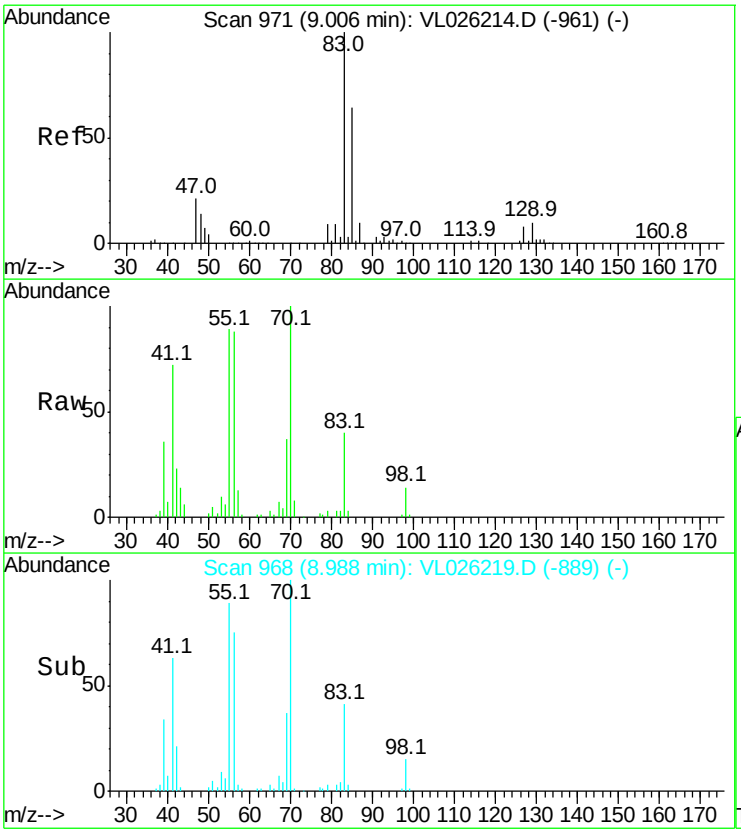
#41
Tetrahydrofuran
Concen: 0.12 ppbv
RT: 7.12 min Scan# 661
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 42 Resp: 6405

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.3	51.5#
71	0.0	32.1	48.1#

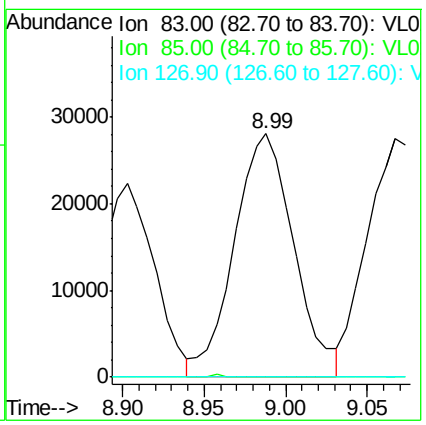


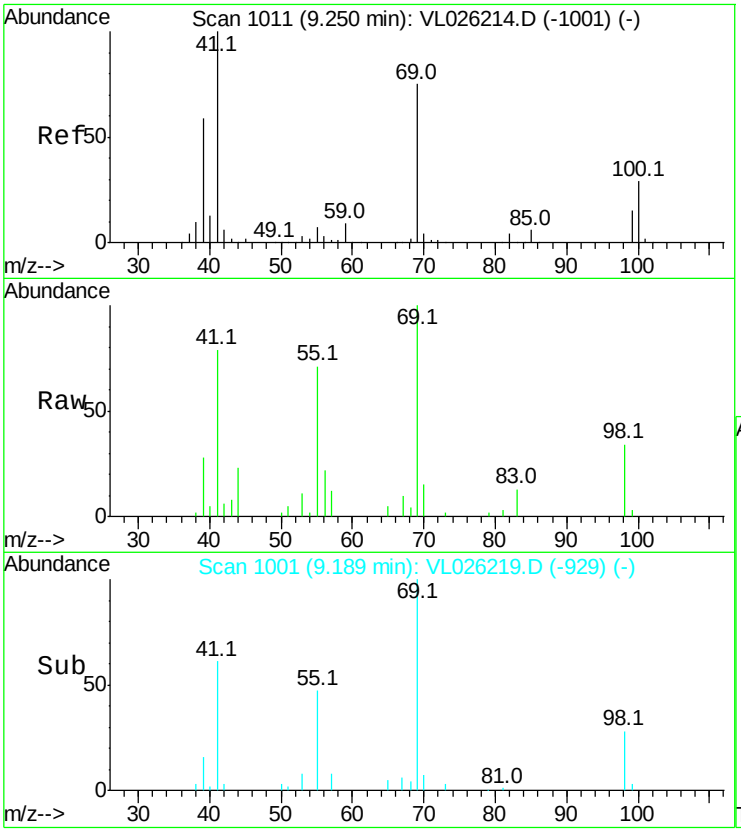


#42
Bromodichloromethane
Concen: 0.60 ppbv
RT: 8.99 min Scan# 968
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 83 Resp: 71143

Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.9	76.3#
127	0.0	6.2	9.4#



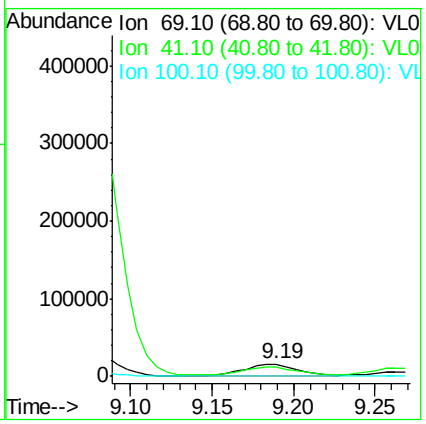


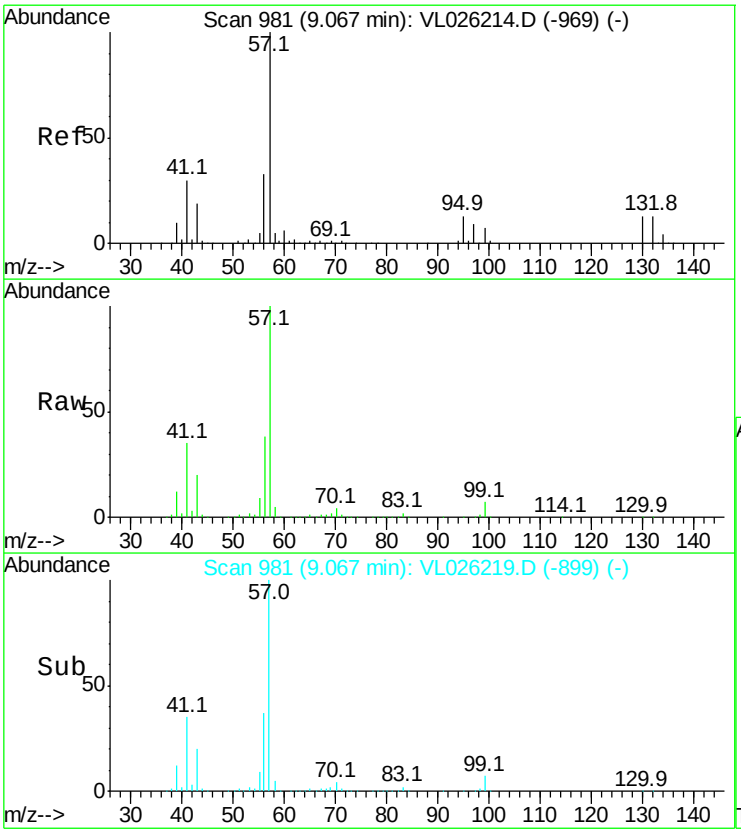
#43
Methyl Methacrylate
Concen: 0.64 ppbv
RT: 9.19 min Scan# 1001
Delta R.T. -0.06 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 69 Resp: 37263

Ion	Ratio	Lower	Upper
69	100		
41	0.0	108.4	162.6#
100	0.0	30.6	45.8#

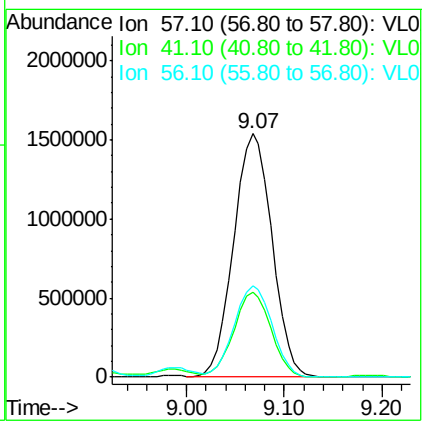


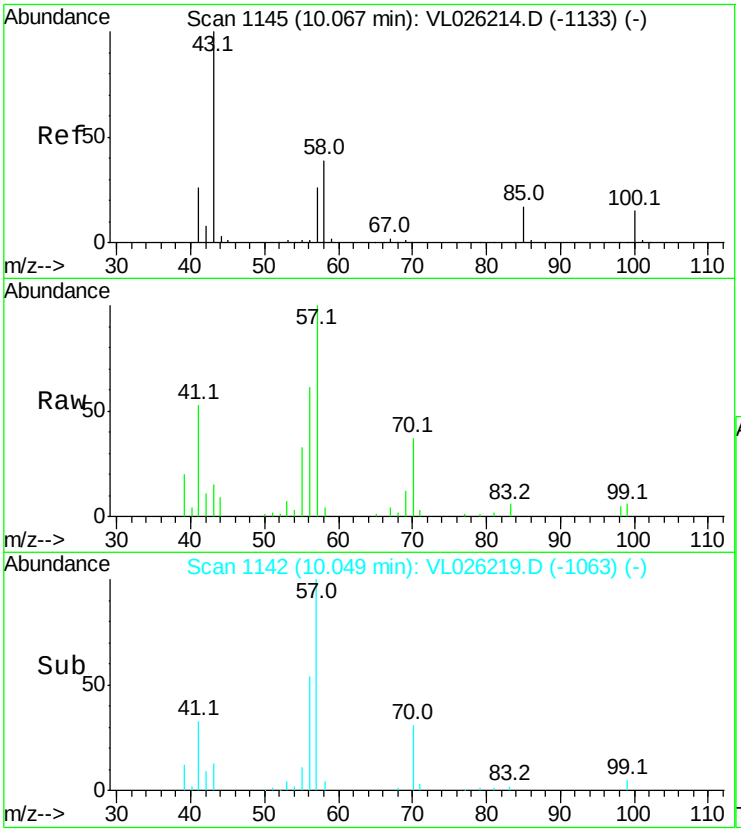


#44
2,2,4-Trimethylpentane
Concen: 16.08 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 57 Resp: 4171652

Ion	Ratio	Lower	Upper
57	100		
41	37.3	23.7	35.5#
56	40.6	25.9	38.9#



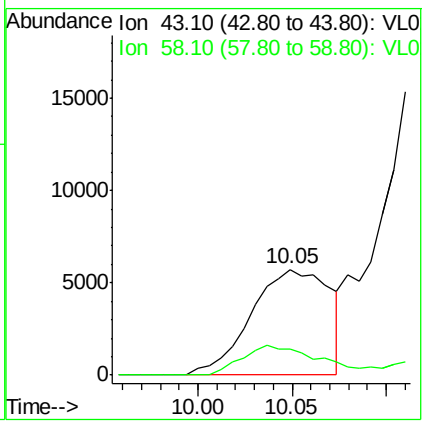


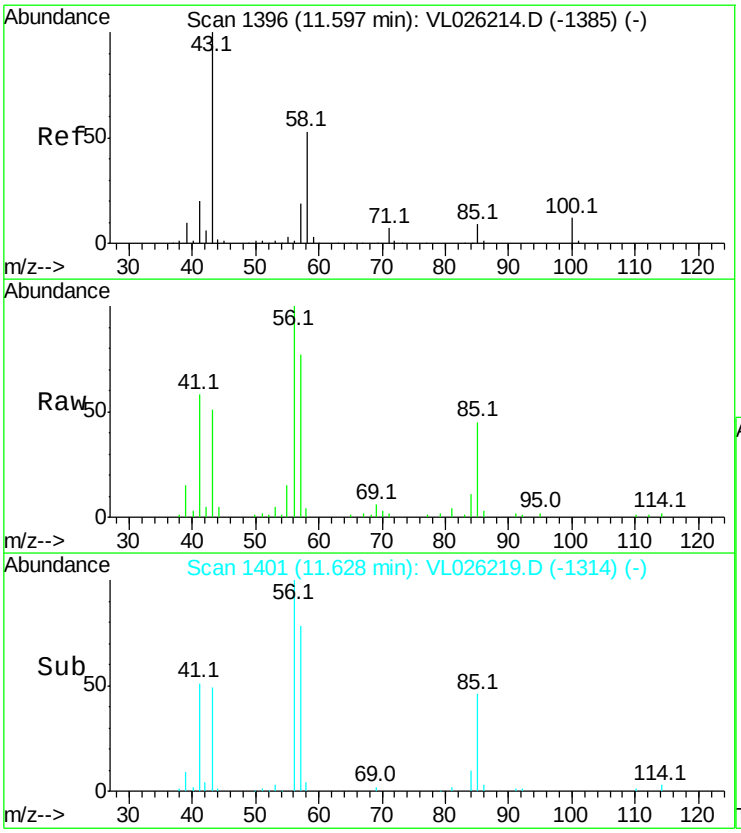
#50
4-Methyl-2-Pentanone
Concen: 0.14 ppbv
RT: 10.05 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 43 Resp: 16704

Ion	Ratio	Lower	Upper
43	100		
58	27.3	31.1	46.7#

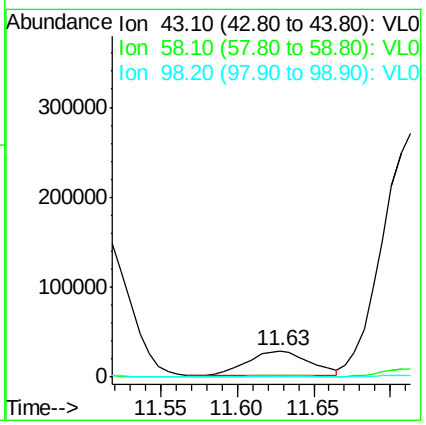


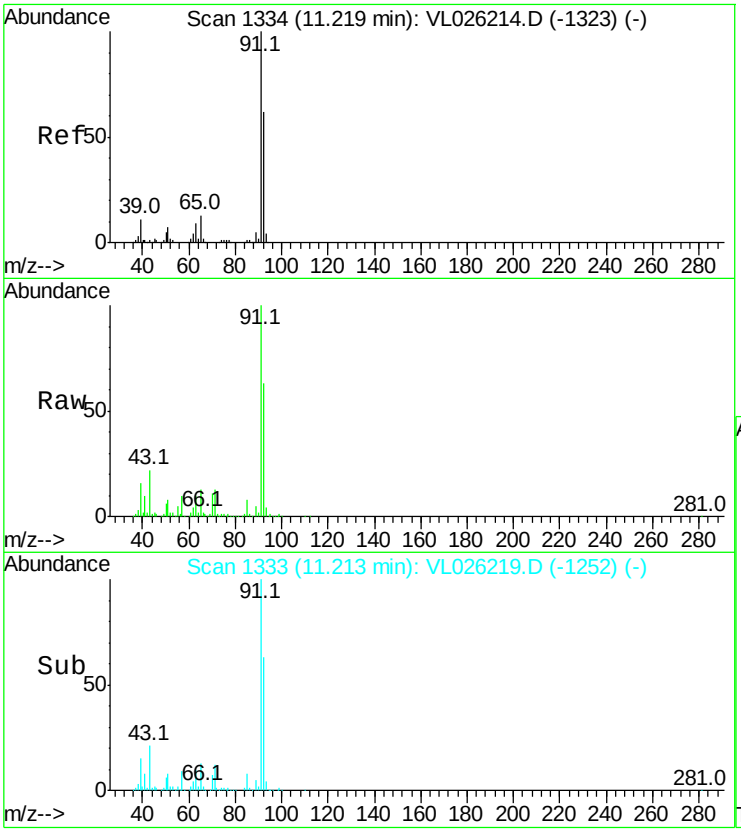


#51
2-Hexanone
Concen: 0.67 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.03 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 43 Resp: 74957

Ion	Ratio	Lower	Upper
43	100		
58	8.0	43.2	64.8#
98	0.0	0.0	0.0



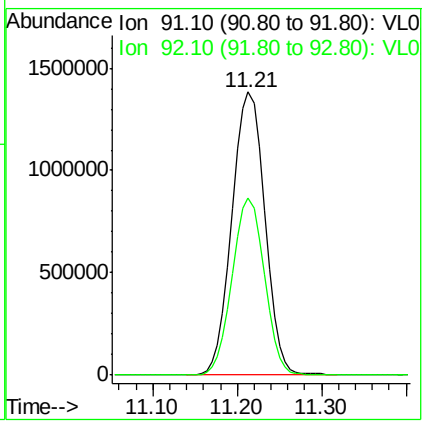


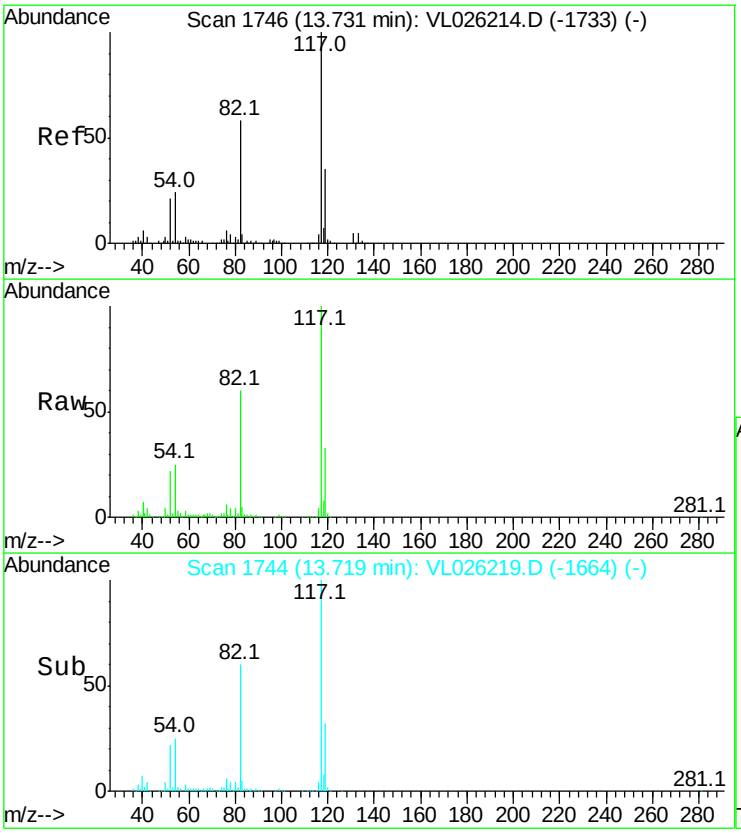
#53
Toluene
Concen: 16.84 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 3670589

Ion	Ratio	Lower	Upper
91	100		
92	61.6	49.2	73.8

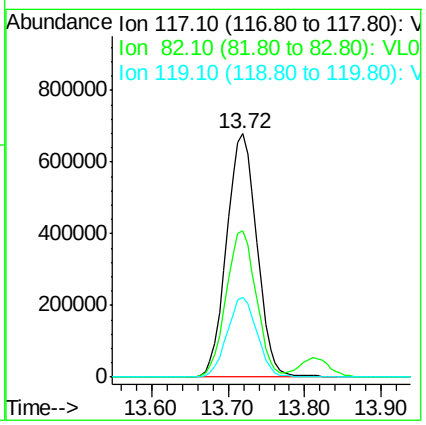


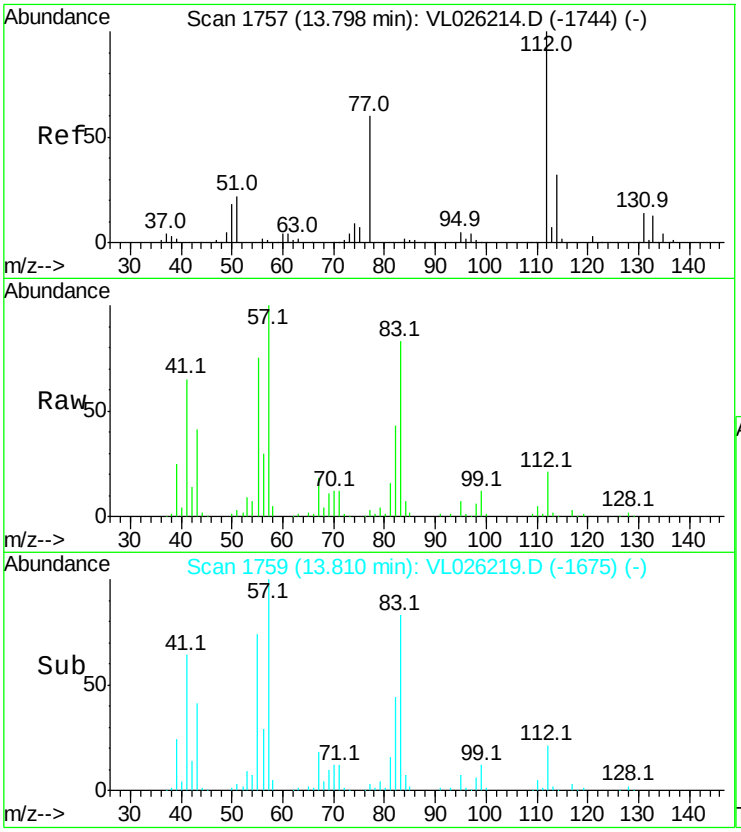


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:117 Resp: 1865021

Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.8	68.8
119	32.5	45.0	67.4#



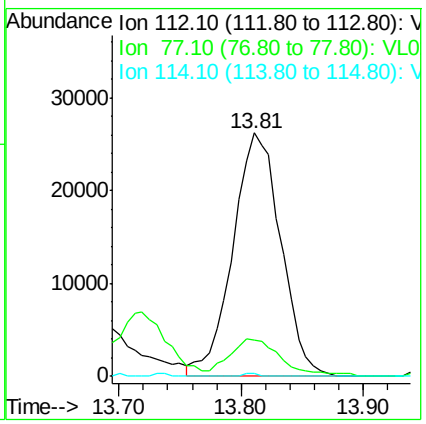


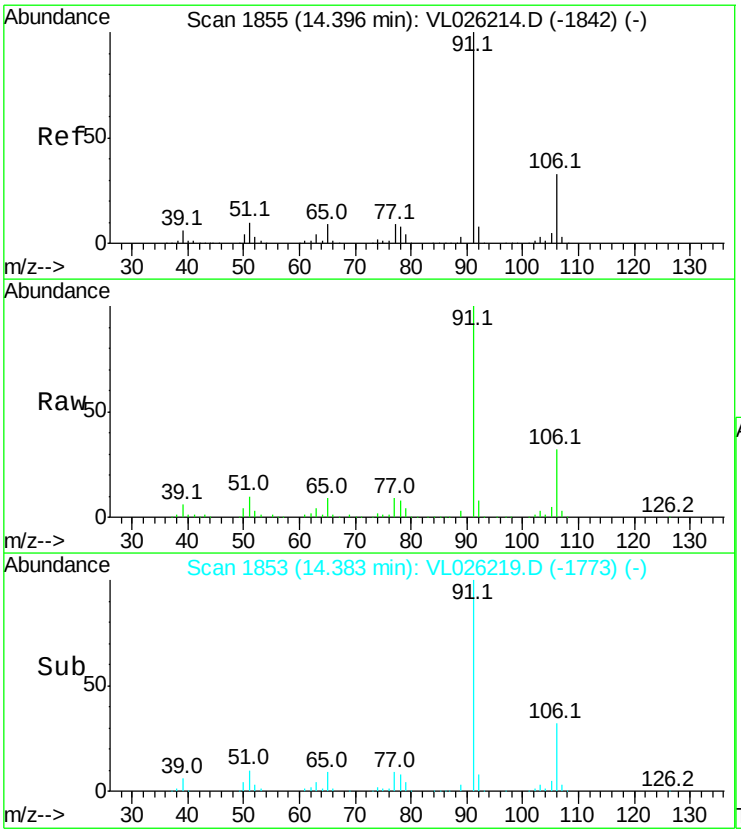
#57
Chlorobenzene
Concen: 0.40 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion:112 Resp: 71552

Ion	Ratio	Lower	Upper
112	100		
77	13.3	48.4	72.6#
114	1.3	29.0	35.4#

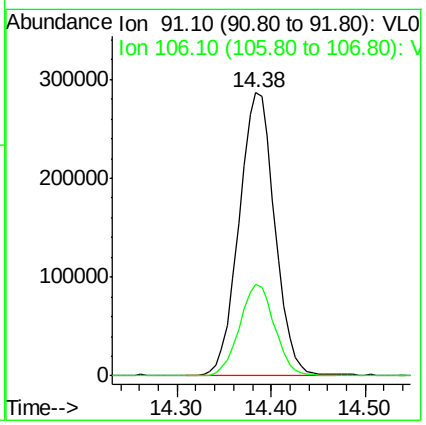


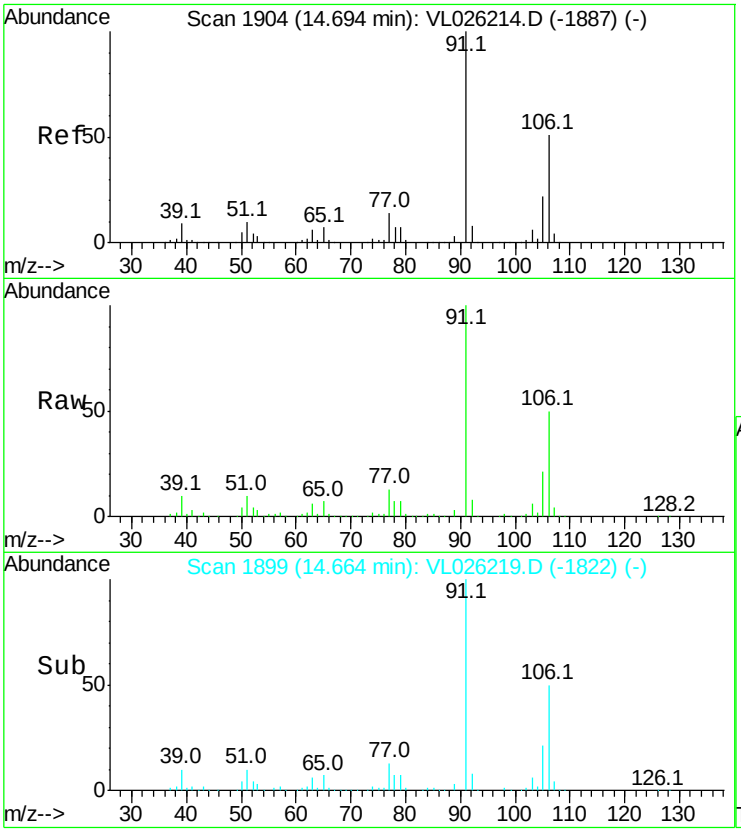


#58
Ethyl Benzene
Concen: 2.52 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 91 Resp: 762934

Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.1	39.1



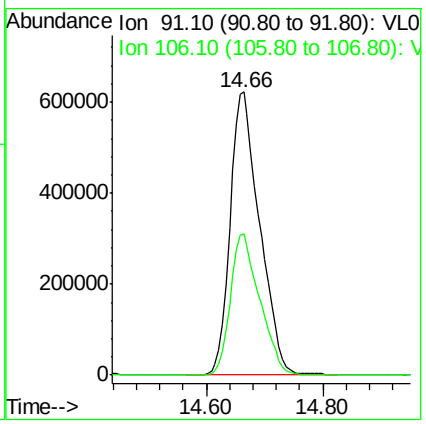


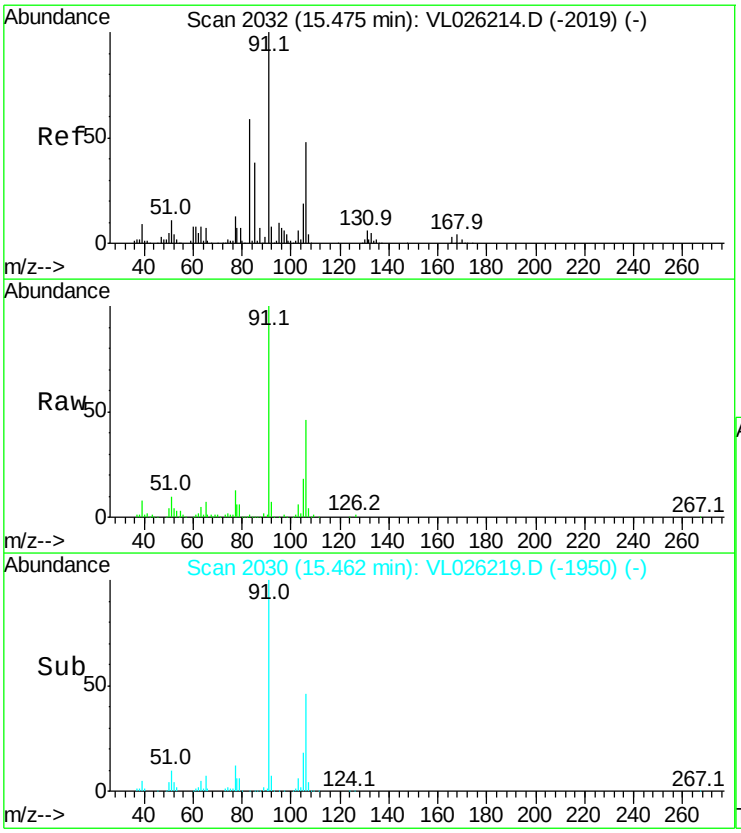
#59
m/p-Xylene
Concen: 9.20 ppbv
RT: 14.66 min Scan# 1899
Delta R.T. -0.03 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion: 91 Resp: 2177787

Ion	Ratio	Lower	Upper
91	100		
106	50.1	40.6	61.0

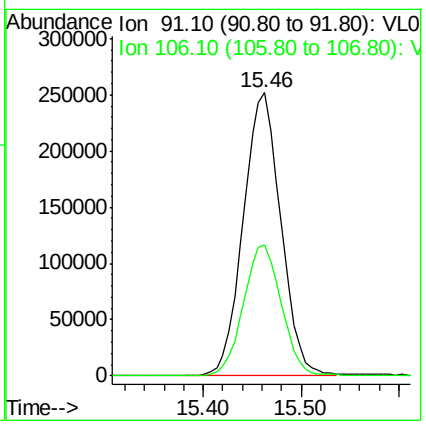


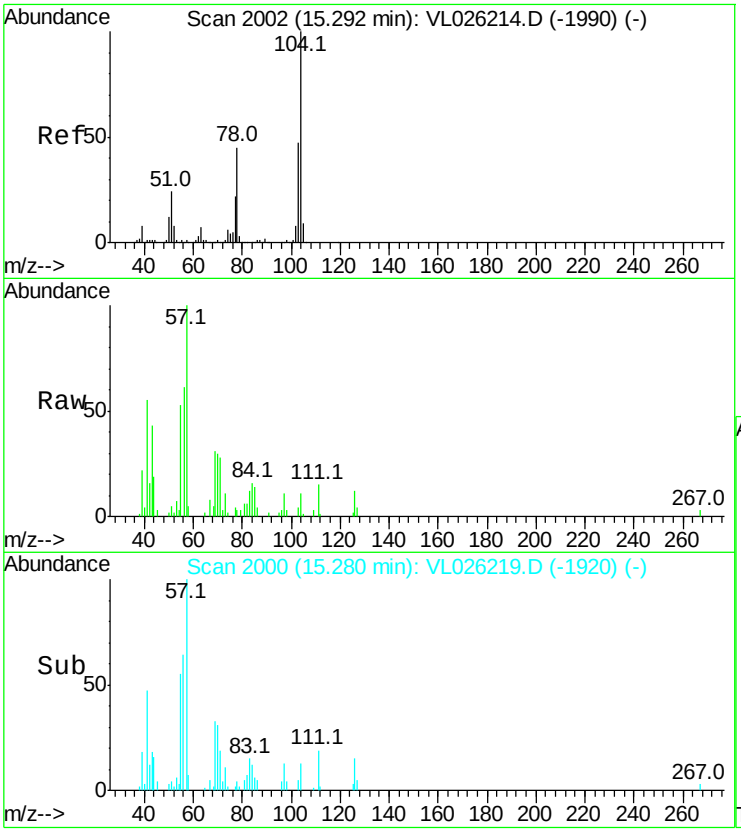


#60
o-Xylene
Concen: 2.71 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 91 Resp: 670839

Ion	Ratio	Lower	Upper
91	100		
106	47.1	23.8	71.5



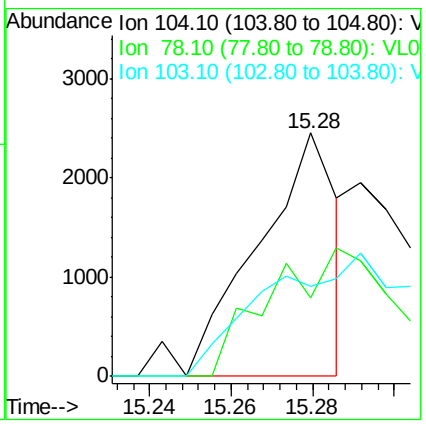


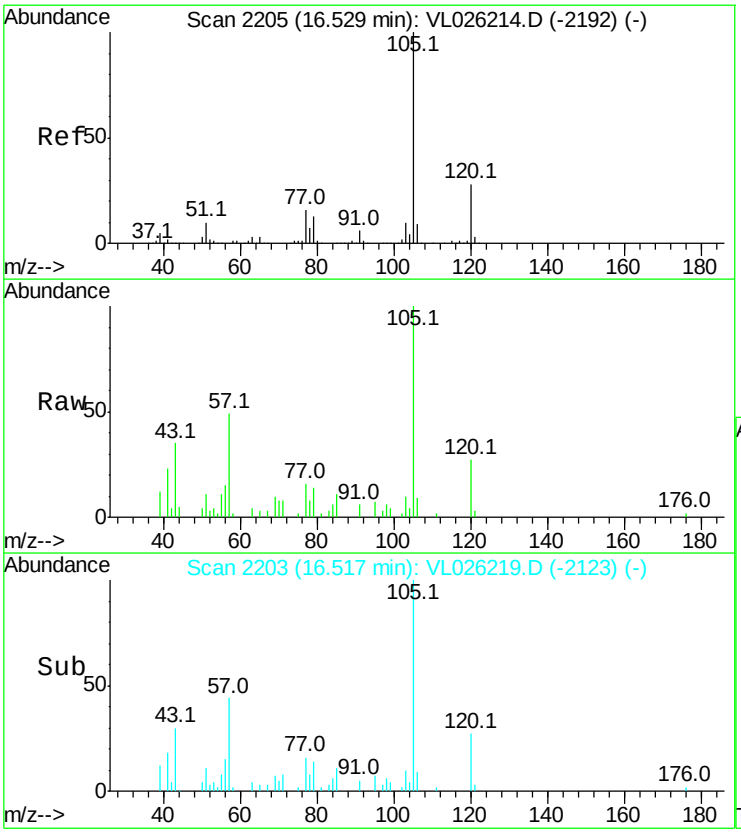
#61
Stvrene
Concen: 0.03 ppbv
RT: 15.28 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL2

Tgt Ion:104 Resp: 3293

Ion	Ratio	Lower	Upper
104	100		
78	0.0	35.3	52.9#
103	0.0	37.0	55.4#

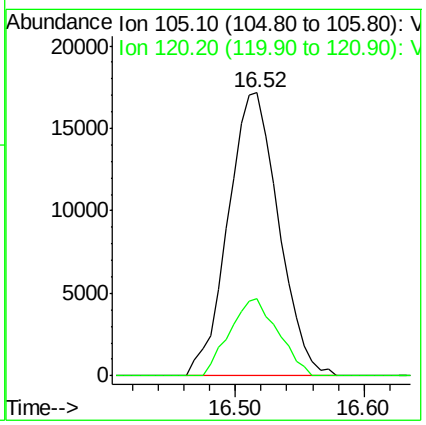


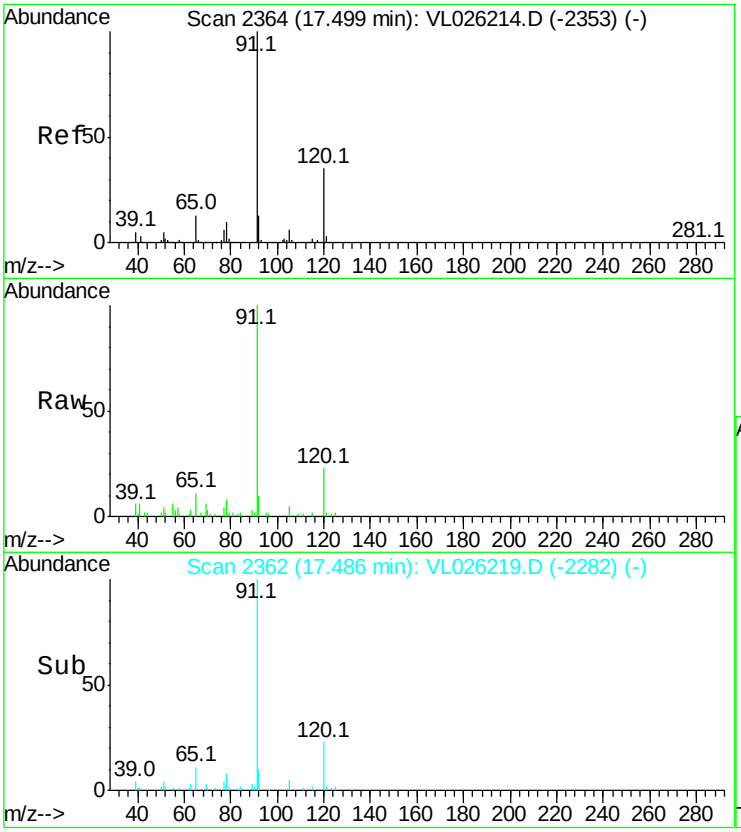


#62
Isopropylbenzene
Concen: 0.14 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:105 Resp: 46724

Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.8	32.8



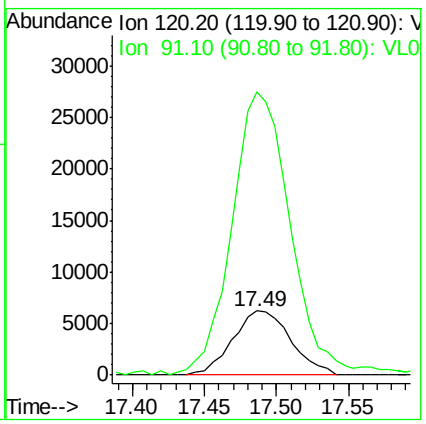


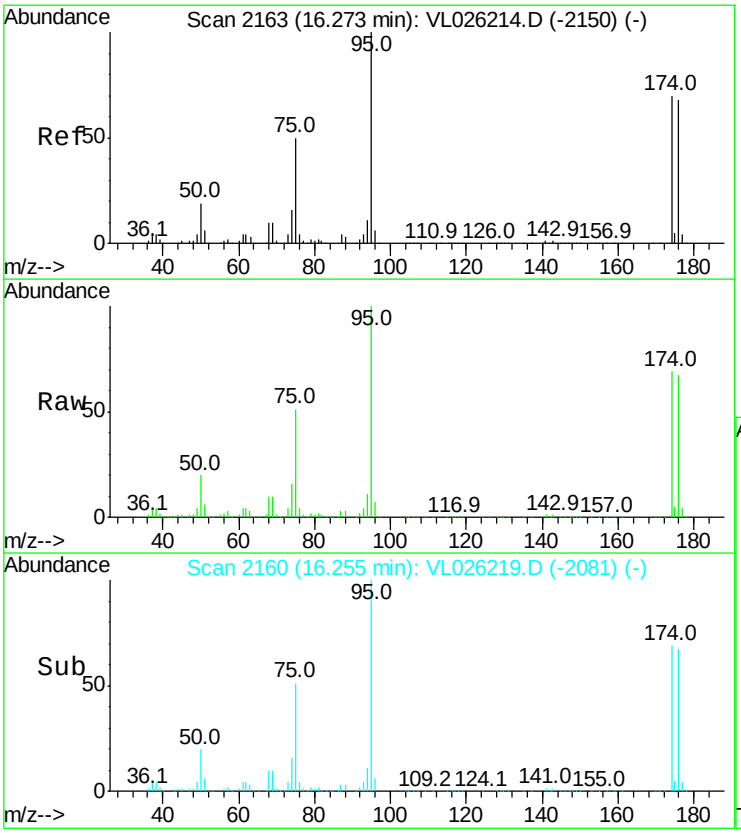
#64
n-propylbenzene
Concen: 0.18 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion:120 Resp: 17432

Ion	Ratio	Lower	Upper
120	100		
91	454.4	331.7	497.5

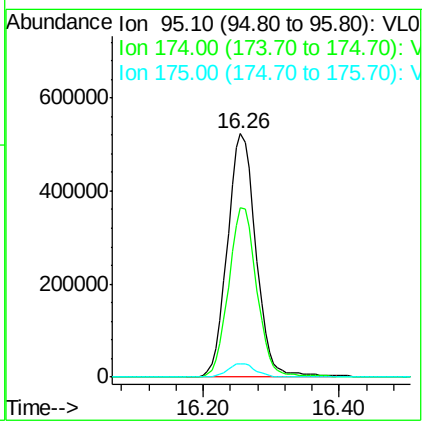


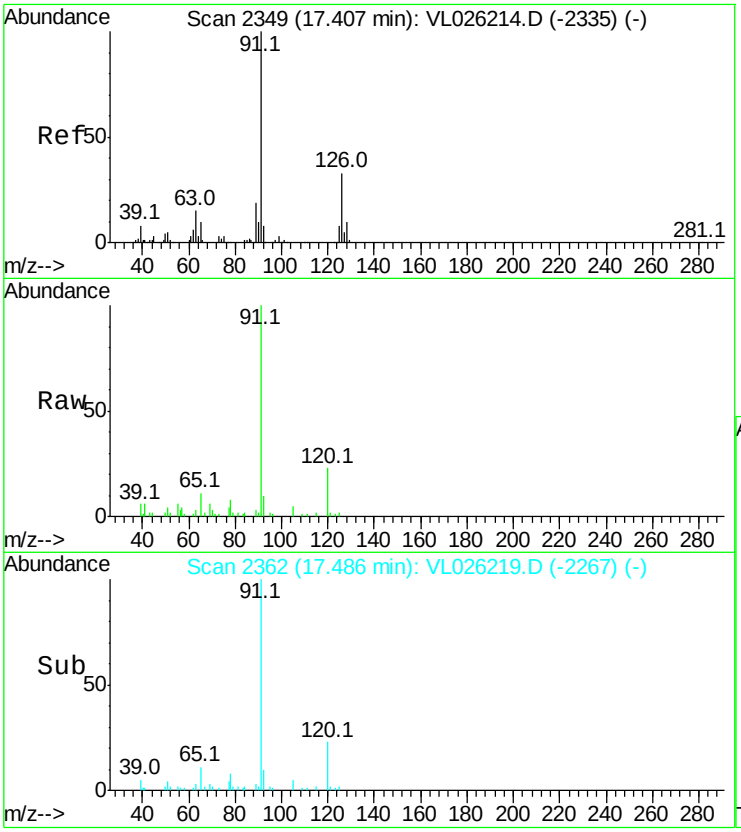


#68
1-Bromo-4-Fluorobenzene
Concen: 10.61 ppbv
RT: 16.26 min Scan# 2160
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion: 95 Resp: 1525899

Ion	Ratio	Lower	Upper
95	100		
174	69.2	55.8	83.8
175	5.4	4.3	6.5



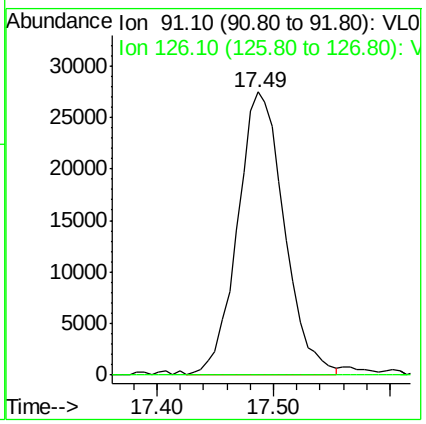


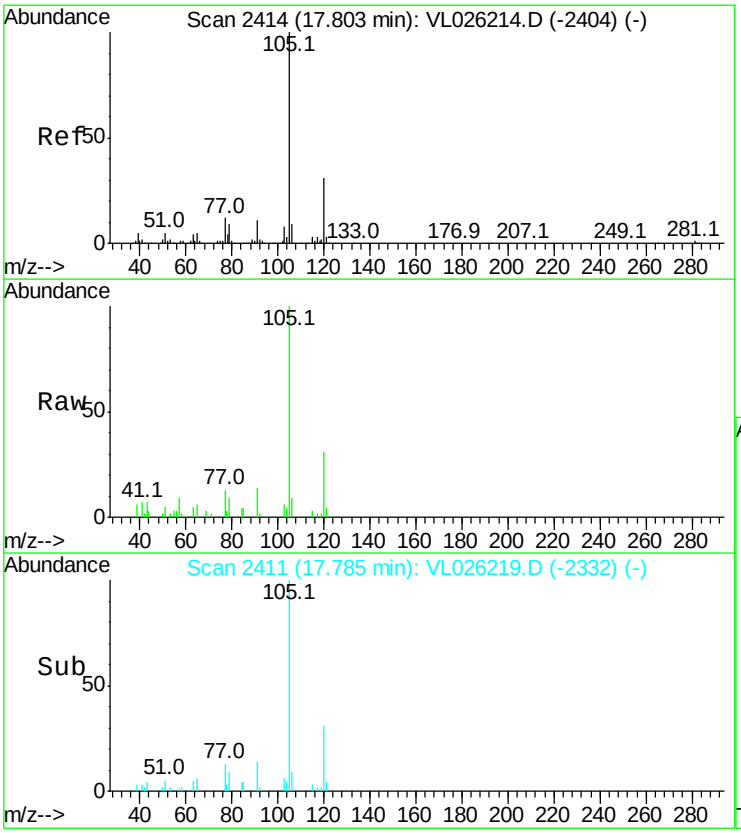
#71
2-Chlorotoluene
Concen: 0.30 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. 0.08 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion: 91 Resp: 76569

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.9	51.7#

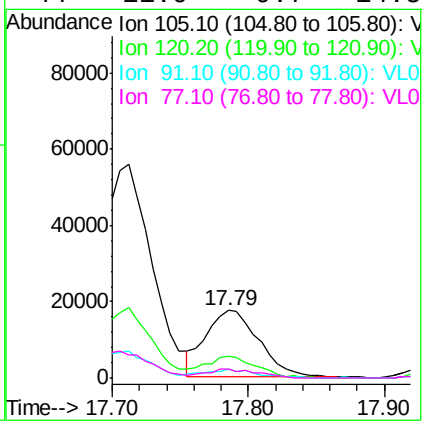


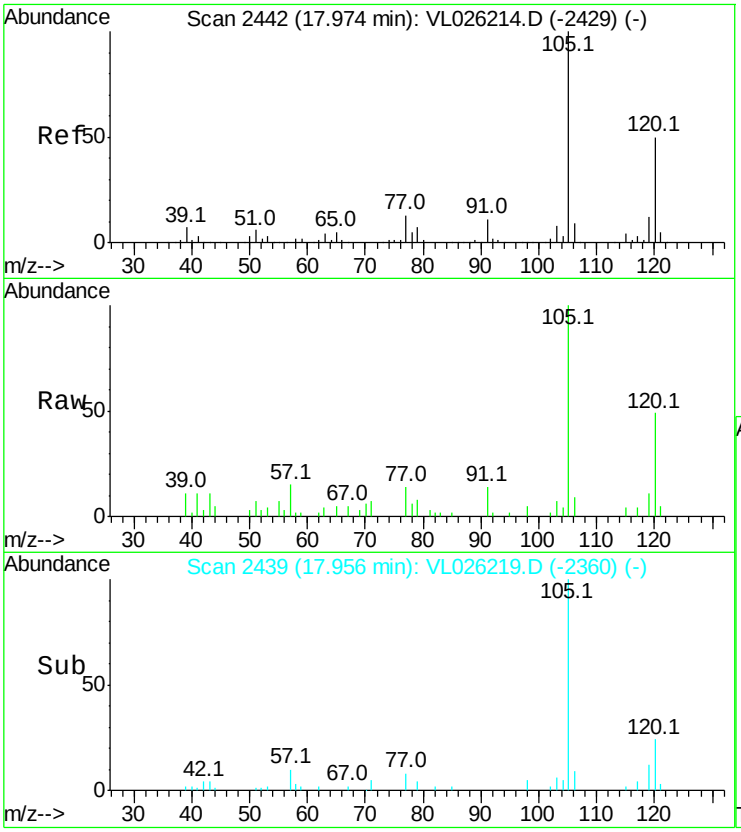


#72
4-Ethyltoluene
Concen: 0.16 ppbv
RT: 17.79 min Scan# 2411
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:105 Resp: 47402

Ion	Ratio	Lower	Upper
105	100		
120	29.5	25.2	37.8
91	12.7	9.0	13.6
77	11.9	9.7	14.5



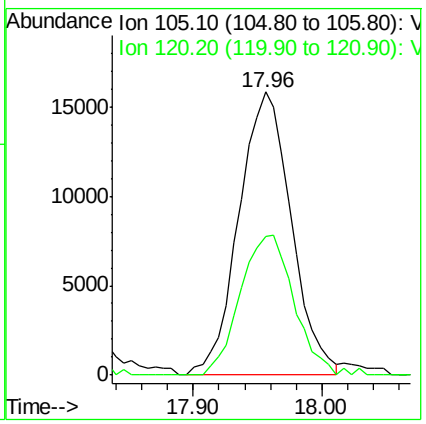


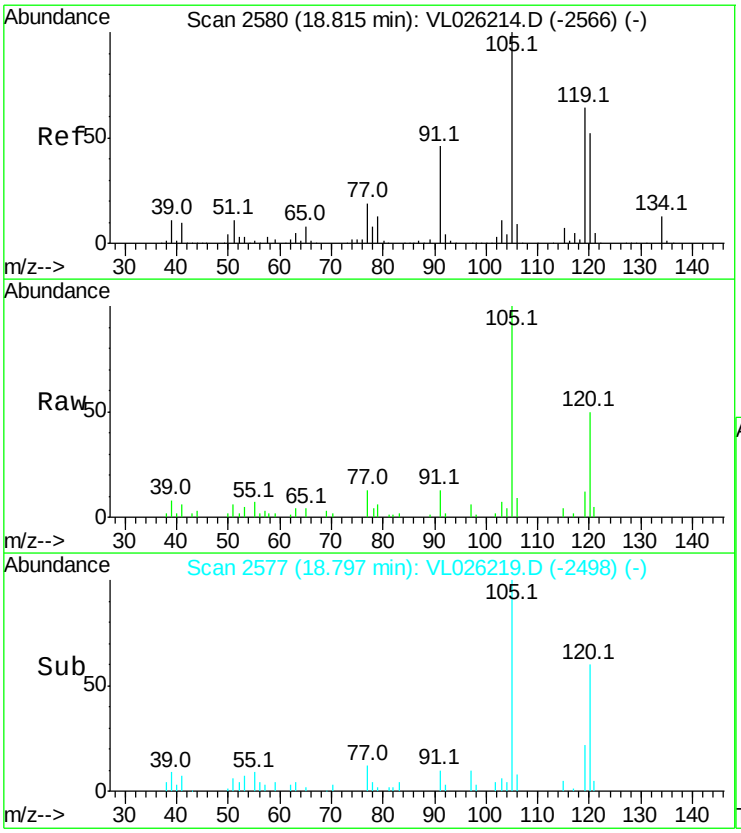
#73
1,3,5-Trimethylbenzene
Concen: 0.17 ppbv
RT: 17.96 min Scan# 2439
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Instrument : MSVOA_L
ClientSampleId : SS-1DL2

Tgt Ion:105 Resp: 44723

Ion	Ratio	Lower	Upper
105	100		
120	49.0	39.8	59.6





#74
1,2,4-Trimethylbenzene
Concen: 0.24 ppbv
RT: 18.80 min Scan# 2577
Delta R.T. -0.02 min
Lab File: VL026219.D
Acq: 20 Oct 2015 23:44

Tgt Ion:105 Resp: 67013

Ion	Ratio	Lower	Upper
105	100		
120	49.8	41.2	61.8
91	12.5	37.2	55.8#
77	13.2	15.6	23.4#