Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102915\
Data File : VL026274.D
Acq On : 29 Oct 2015 21:03
Operator : SY/AP
Sample : G4169-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1DL

Quant Time: Oct 30 02:39:50 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	585742	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.35	114	1624101	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.77	117	1891702	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.32	95	1463516	10.20	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.00%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.59	51	32620	0.44	ppbv	#	92
9) Propene	3.61	41	34350	0.97	ppbv		93
10) Heptane	9.38	43	46105	0.39	ppbv	#	80
13) Ethanol	4.34	45	2916	0.55	ppbv		85
15) Acetone	4.61	43	1013056	13.06	ppbv		98
17) tert-Butyl alcohol	5.13	59	610987	10.98	ppbv		96
19) Isopropyl Alcohol	4.76	45	8977	0.27	ppbv	#	24
26) Hexane	6.68	57	31091	0.39	ppbv	#	56
34) 2-Butanone	6.23	43	62446	0.64	ppbv		93
36) Benzene	8.04	78	114085	0.66	ppbv		99
38) Trichloroethene	9.09	130	196804	2.38	ppbv		98
41) Tetrahydrofuran	7.16	42	9246	0.16	ppbv	#	38
53) Toluene	11.27	91	30775	0.14	ppbv		99
58) Ethyl Benzene	14.44	91	236349	0.76	ppbv		98
59) m/p-Xylene	14.72	91	35152	0.14	ppbv	#	100
60) o-Xylene	15.52	91	30901	0.12	ppbv		94
62) Isopropylbenzene	16.58	105	291037	0.83	ppbv		99

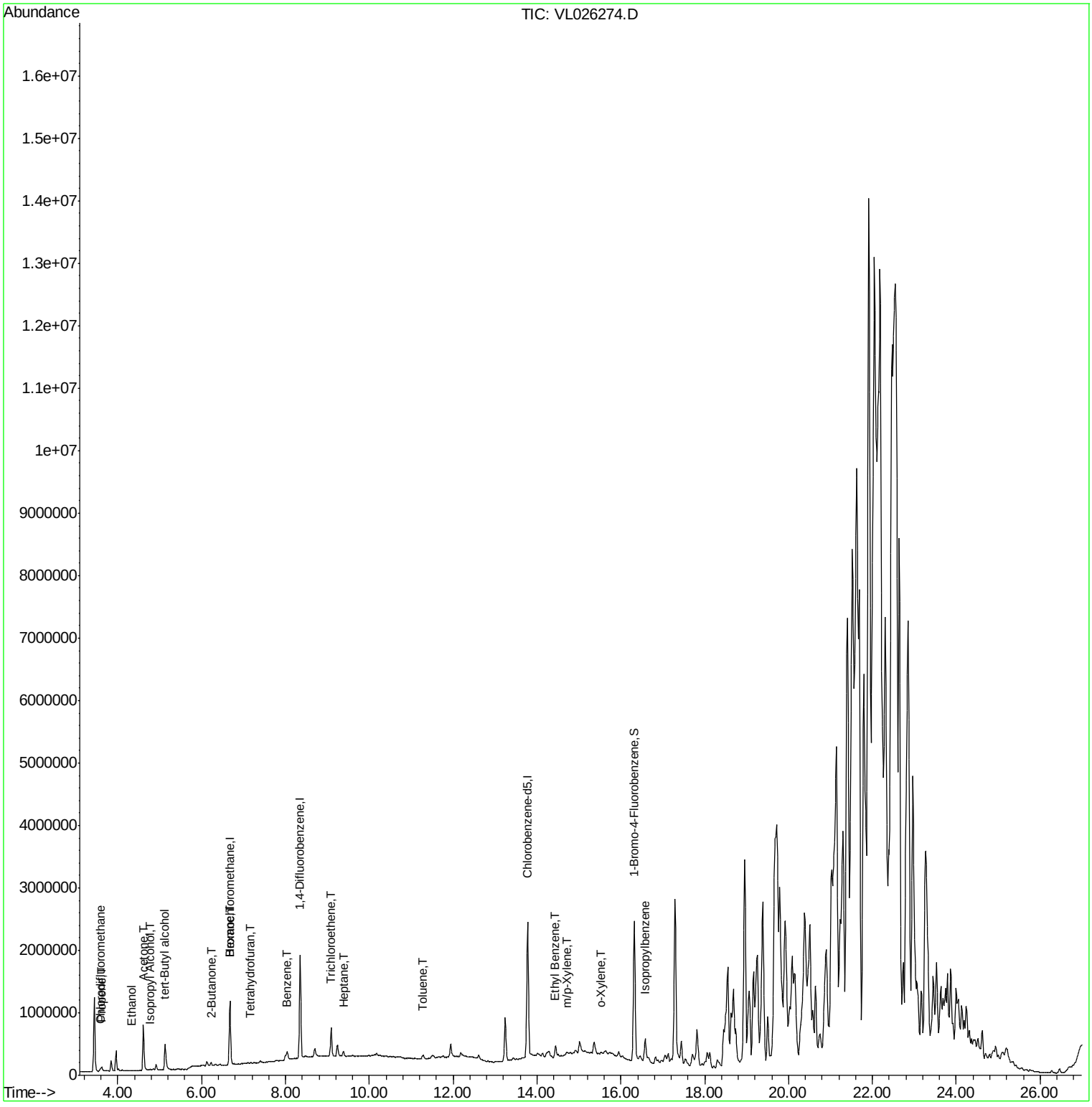
(#) = qualifier out of range (m) = manual integration (+) = signals summed

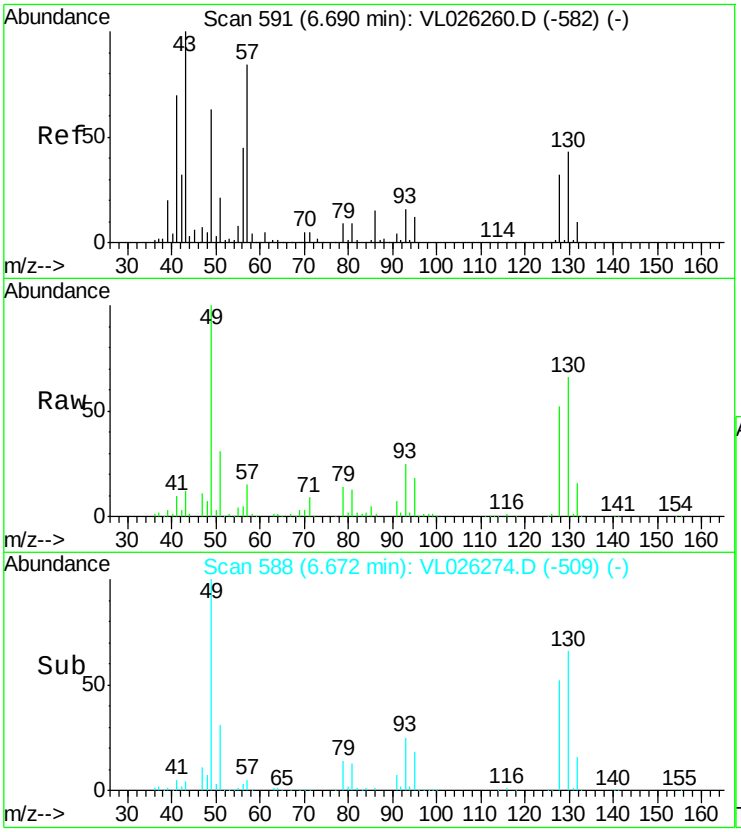
Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102915\
Data File : VL026274.D
Acq On : 29 Oct 2015 21:03
Operator : SY/AP
Sample : G4169-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1DL

Quant Time: Oct 30 02:39:50 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 14:29:54 2015
QLast Update : Thu Oct 29 14:29:54 2015
Response via : Initial Calibration



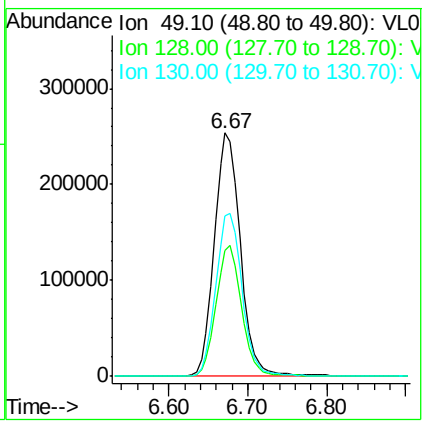


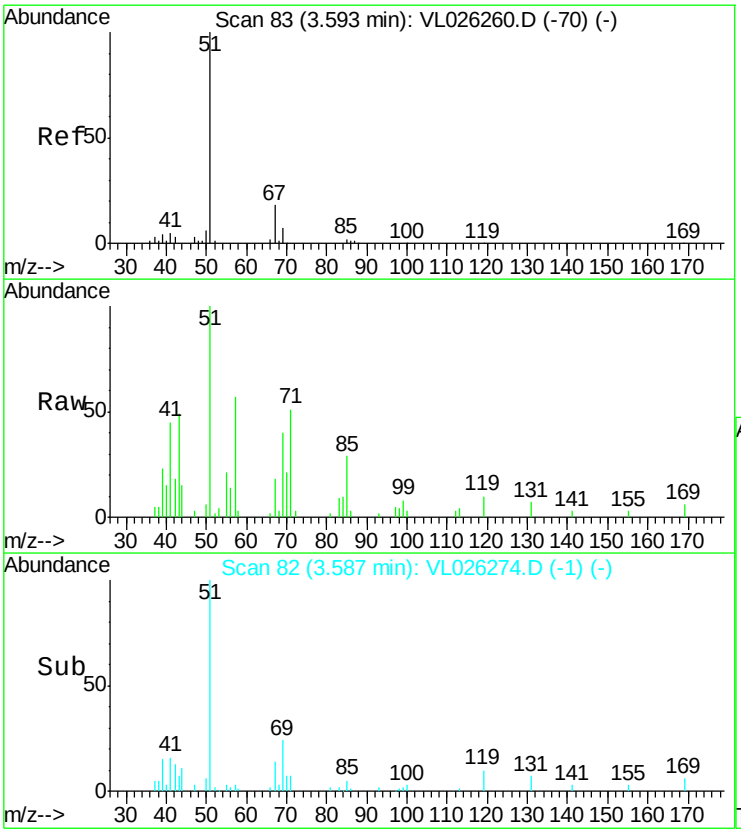
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 588
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 585742

Ion	Ratio	Lower	Upper
49	100		
128	53.5	26.7	80.1
130	68.3	34.4	103.2

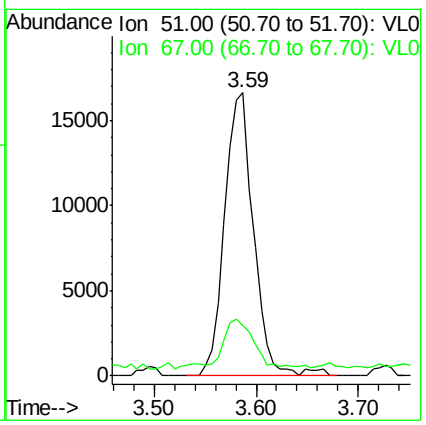


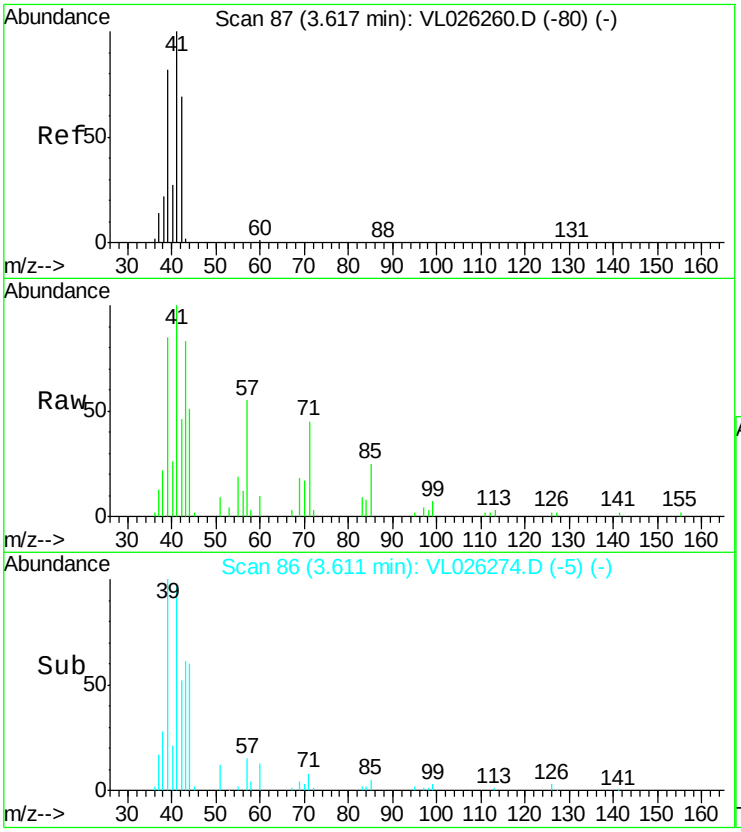


#3
Chlorodifluoromethane
Concen: 0.44 ppbv
RT: 3.59 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 51 Resp: 32620

Ion	Ratio	Lower	Upper
51	100		
67	21.9	14.5	21.7#



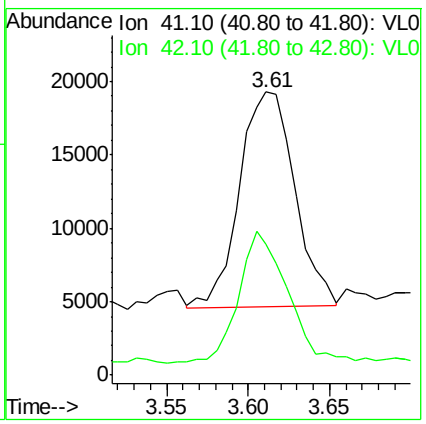


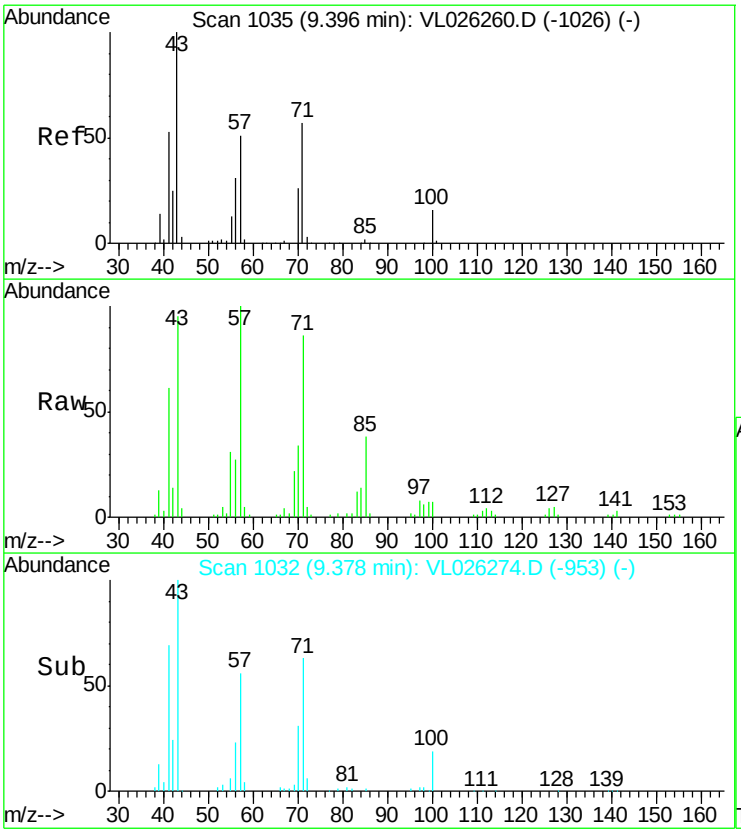
#9
Propene
Concen: 0.97 ppbv
RT: 3.61 min Scan# 86
Delta R.T. -0.01 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 41 Resp: 34350

Ion	Ratio	Lower	Upper
41	100		
42	62.1	54.5	81.7

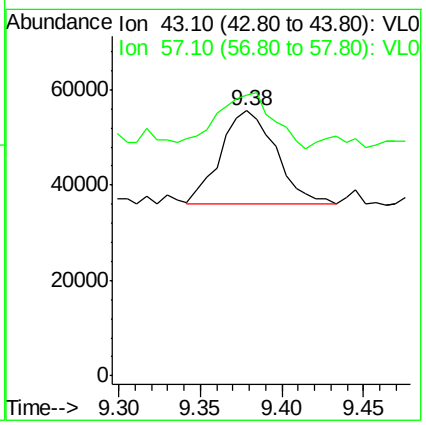


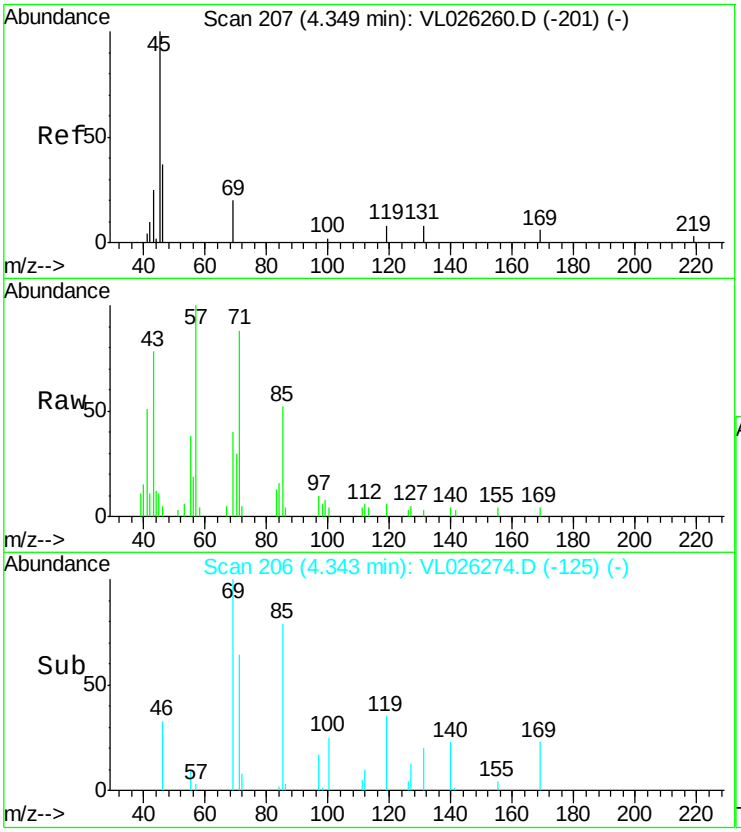


#10
Heptane
Concen: 0.39 ppbv
RT: 9.38 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 43 Resp: 46105

Ion	Ratio	Lower	Upper
43	100		
57	65.2	41.1	61.7#



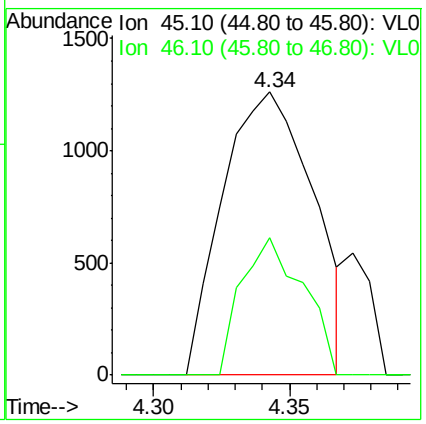


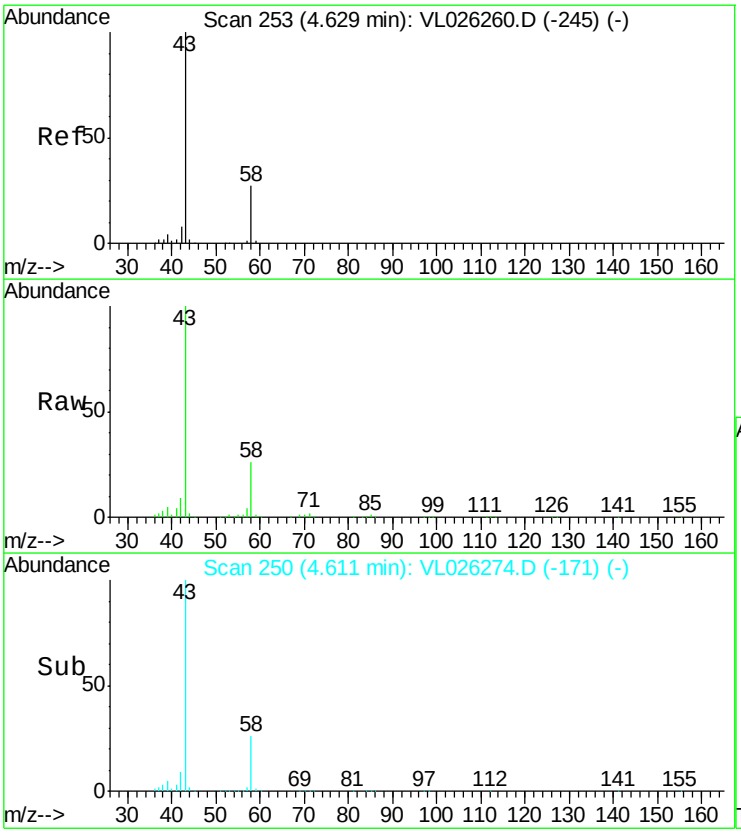
#13
Ethanol
Concen: 0.55 ppbv
RT: 4.34 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 2916

Ion	Ratio	Lower	Upper
45	100		
46	33.2	17.0	68.0

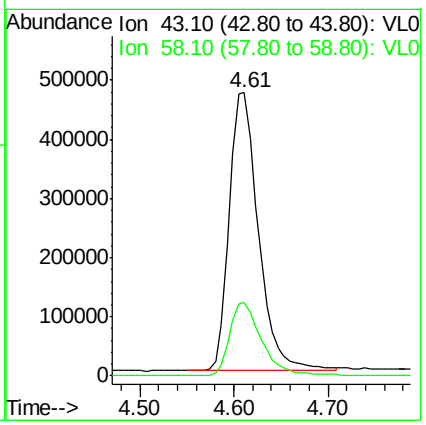


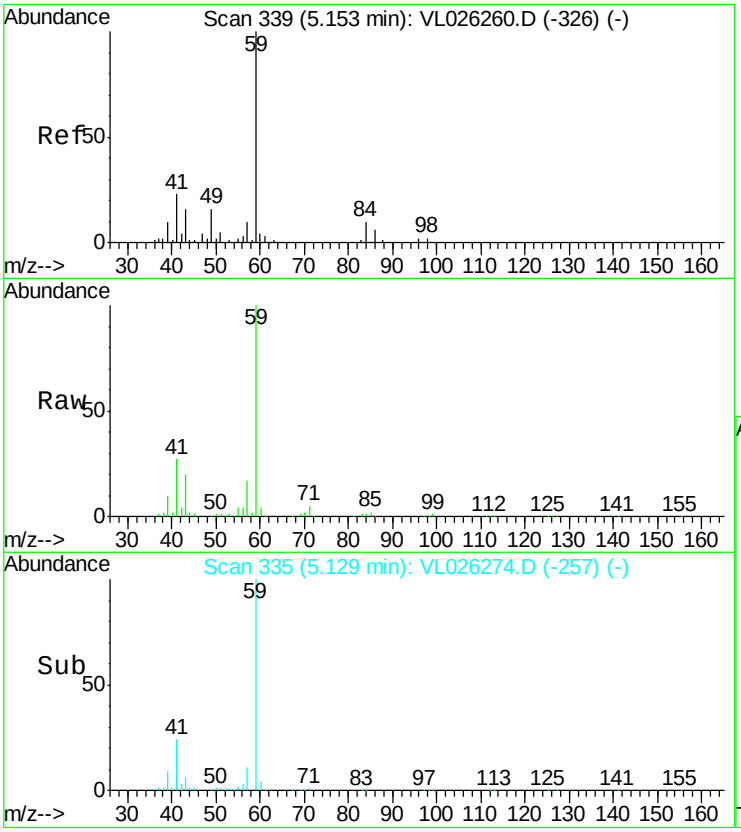


#15
Acetone
Concen: 13.06 ppbv
RT: 4.61 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 43 Resp: 1013056

Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.3	33.5



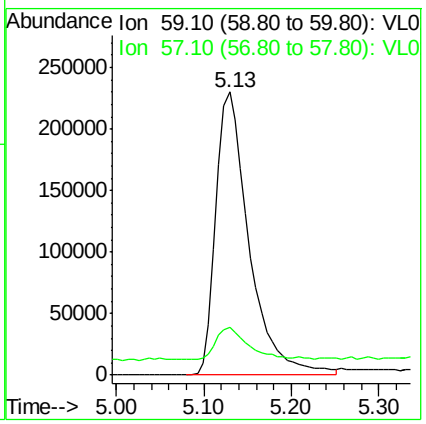


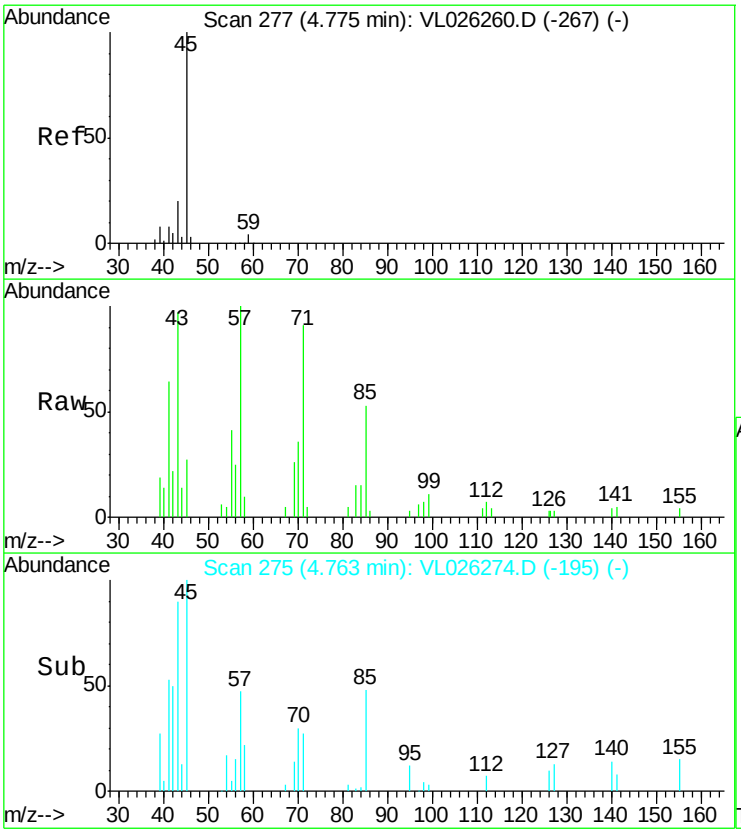
#17
tert-Butyl alcohol
Concen: 10.98 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 59 Resp: 610987

Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.7	13.1

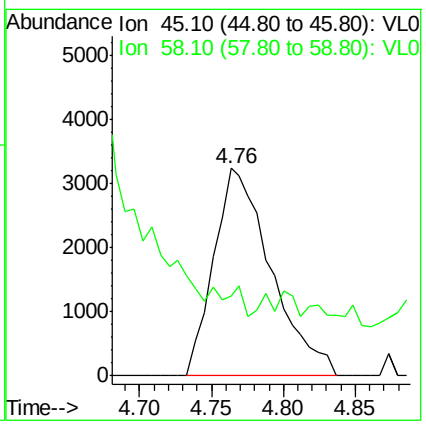


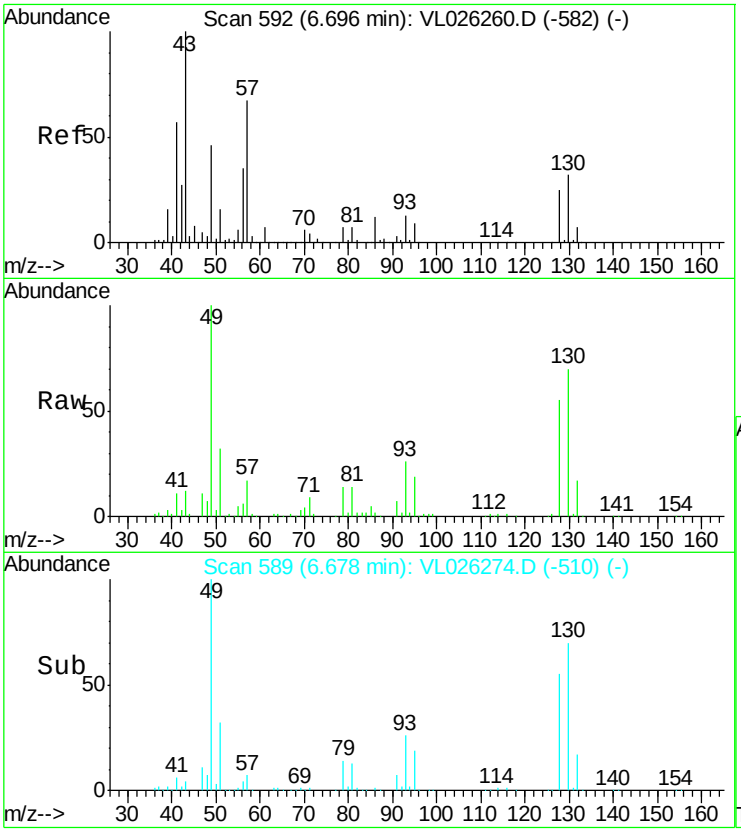


#19
Isopropyl Alcohol
Concen: 0.27 ppbv
RT: 4.76 min Scan# 275
Delta R.T. -0.01 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 45 Resp: 8977

Ion	Ratio	Lower	Upper
45	100		
58	0.0	43.8	65.8#



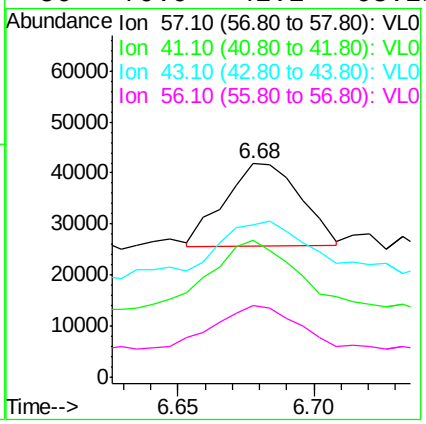


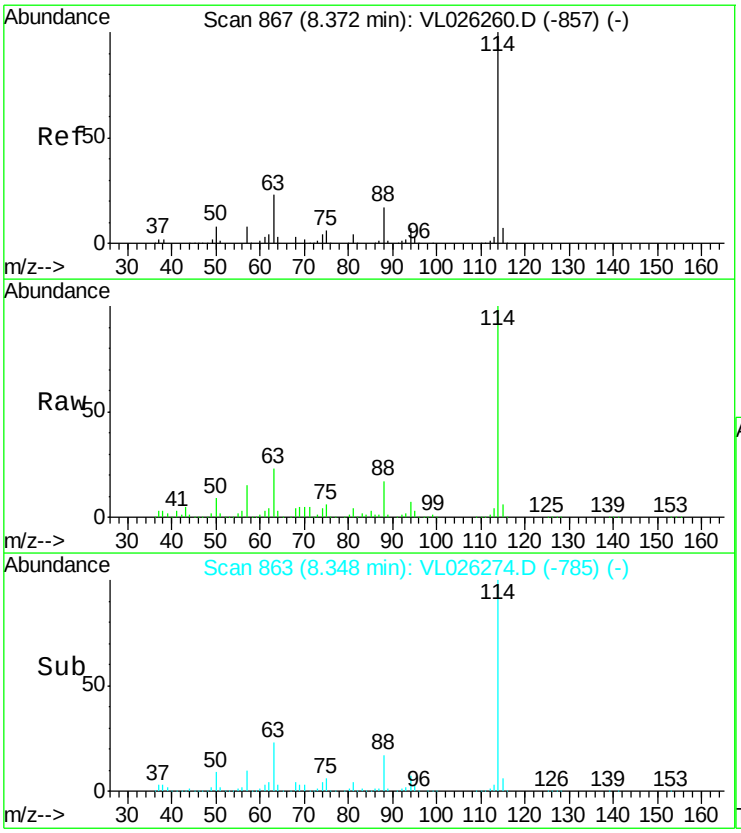
#26
Hexane
Concen: 0.39 ppbv
RT: 6.68 min Scan# 589
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument : MSVOA_L
ClientSampleId : SV1DL

Tgt Ion: 57 Resp: 31091

Ion	Ratio	Lower	Upper
57	100		
41	120.8	67.4	101.2#
43	133.8	163.9	245.9#
56	79.9	42.2	63.2#

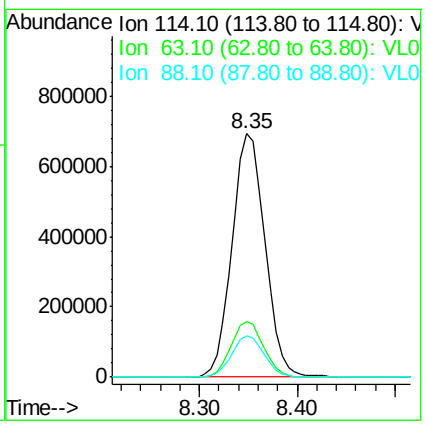


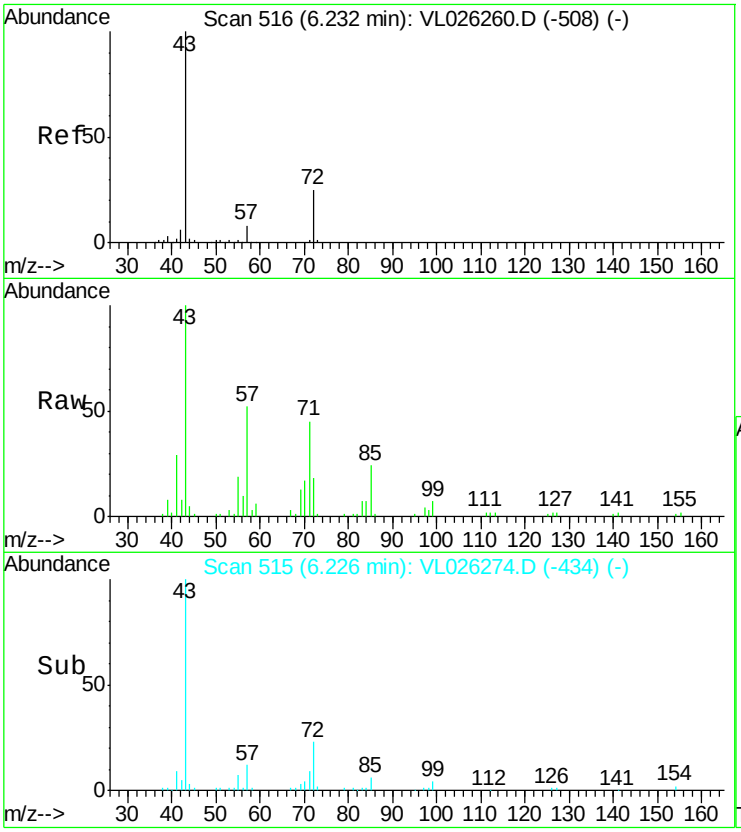


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion:114 Resp: 1624101

Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.6	28.0
88	16.8	13.4	20.2



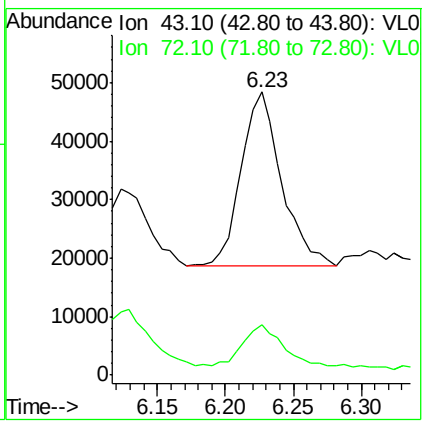


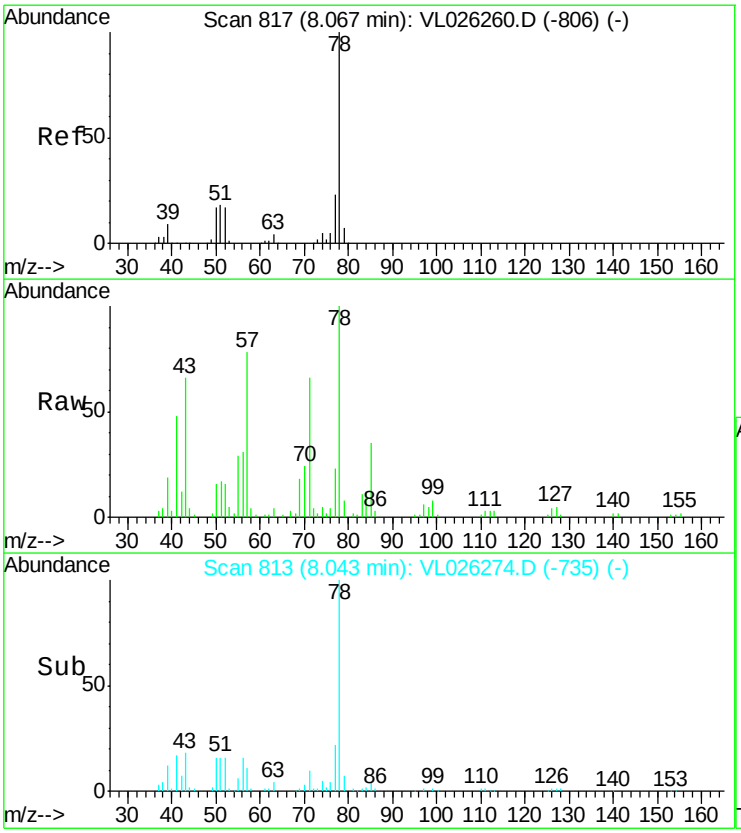
#34
2-Butanone
Concen: 0.64 ppbv
RT: 6.23 min Scan# 515
Delta R.T. -0.01 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 62446

Ion	Ratio	Lower	Upper
43	100		
72	28.4	19.9	29.9

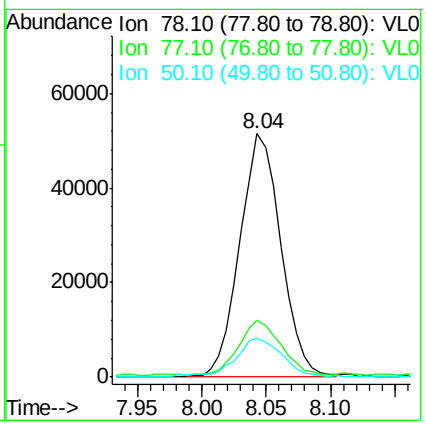


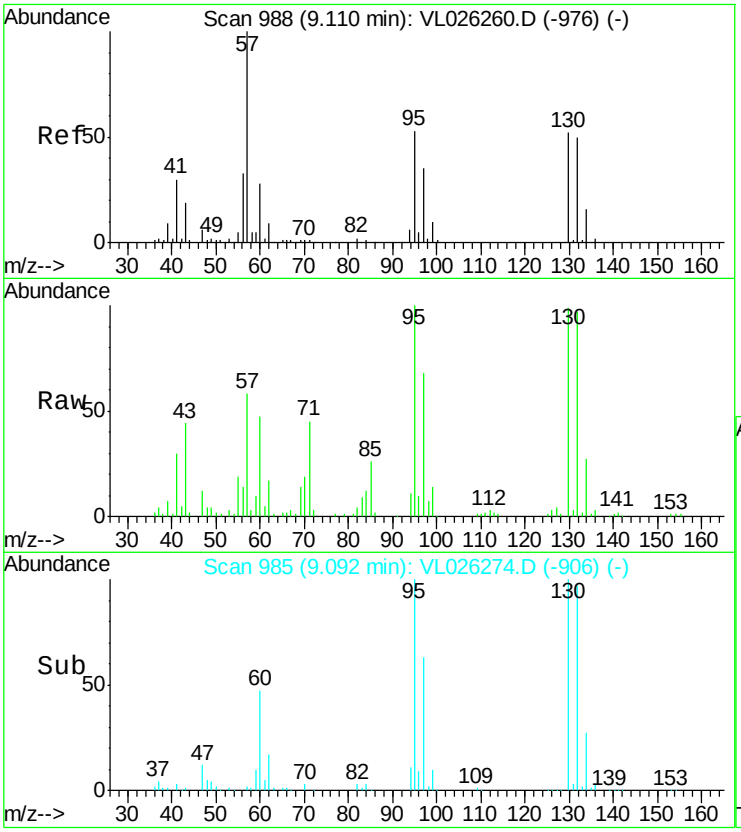


#36
Benzene
Concen: 0.66 ppbv
RT: 8.04 min Scan# 813
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 78 Resp: 114085

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	15.2	13.3	19.9



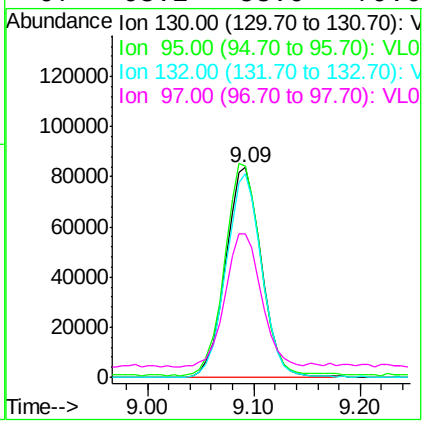


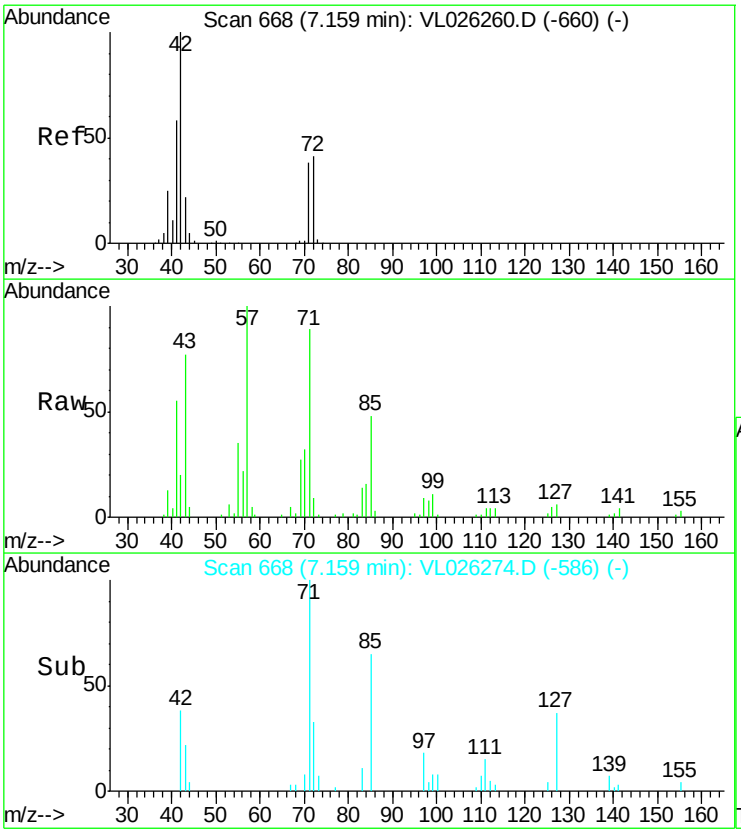
#38
Trichloroethene
Concen: 2.38 ppbv
RT: 9.09 min Scan# 985
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument : MSVOA_L
ClientSampleId : SV1DL

Tgt Ion:130 Resp: 196804

Ion	Ratio	Lower	Upper
130	100		
95	99.7	80.8	121.2
132	97.2	76.2	114.2
97	63.2	53.0	79.6

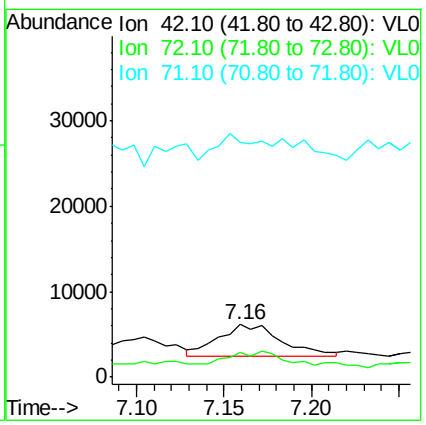


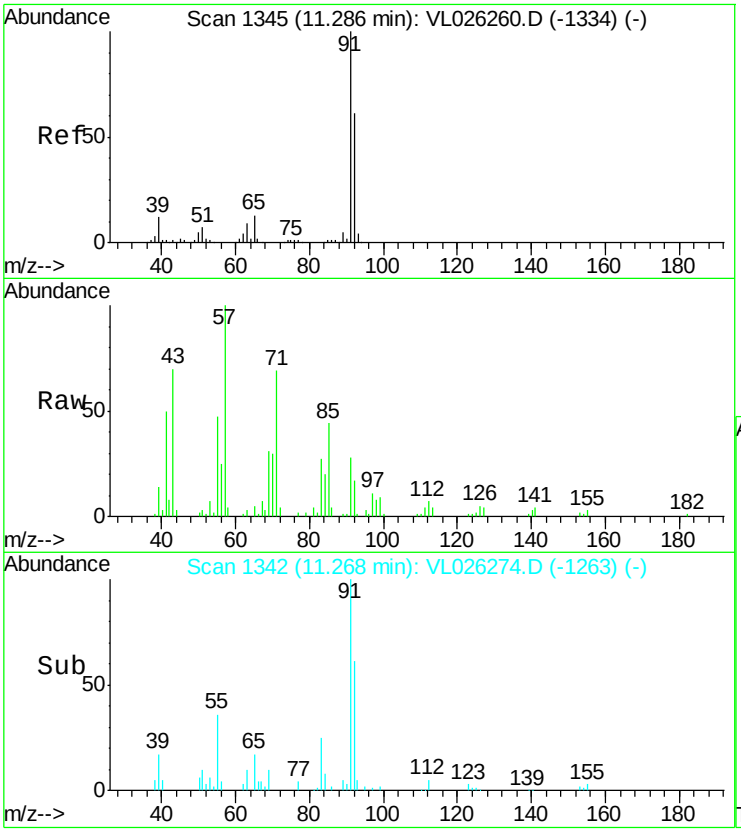


#41
Tetrahydrofuran
Concen: 0.16 ppbv
RT: 7.16 min Scan# 668
Delta R.T. 0.00 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 42 Resp: 9246

Ion	Ratio	Lower	Upper
42	100		
72	65.3	32.2	48.4#
71	89.4	30.4	45.6#



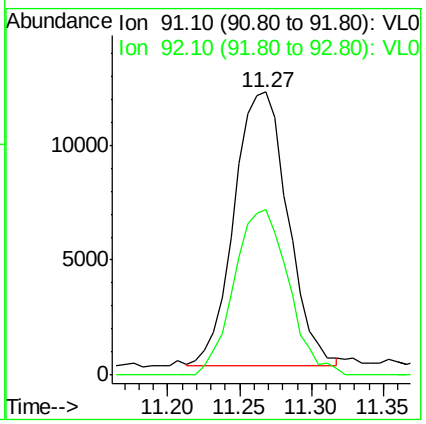


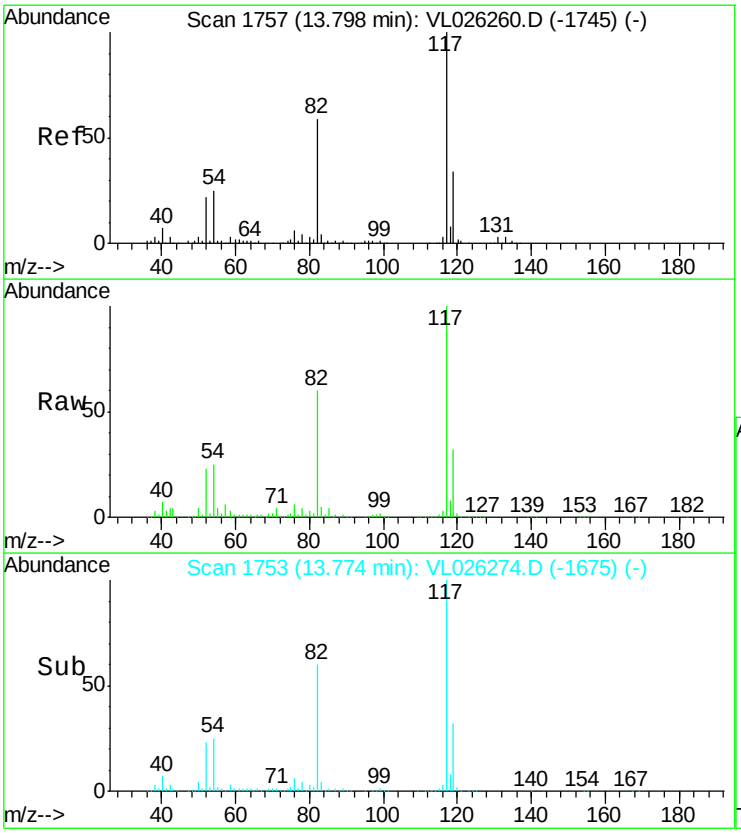
#53
Toluene
Concen: 0.14 ppbv
RT: 11.27 min Scan# 1342
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument : MSVOA_L
ClientSampleId : SV1DL

Tgt Ion: 91 Resp: 30775

Ion	Ratio	Lower	Upper
91	100		
92	61.3	48.6	73.0

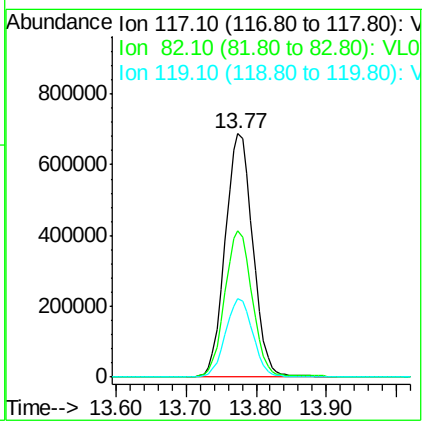


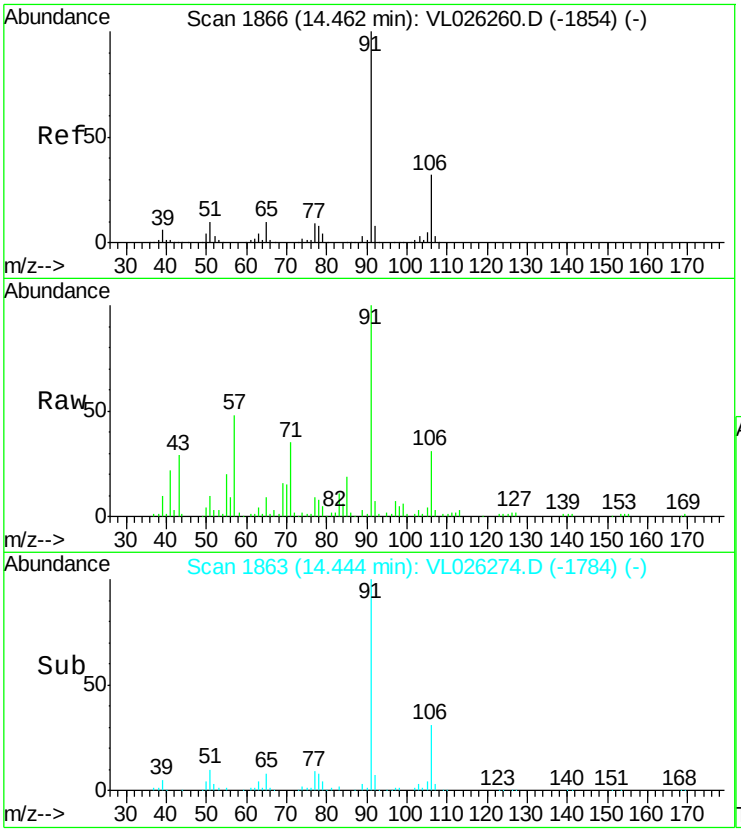


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion:117 Resp: 1891702

Ion	Ratio	Lower	Upper
117	100		
82	60.3	48.2	72.4
119	32.3	46.2	69.2#



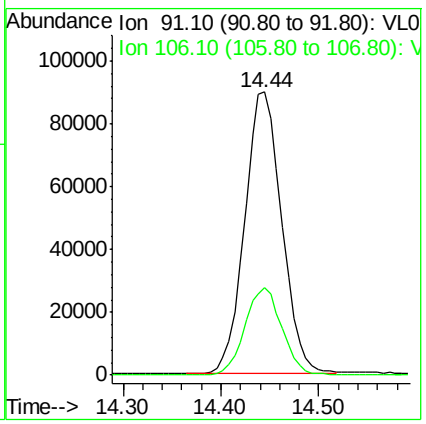


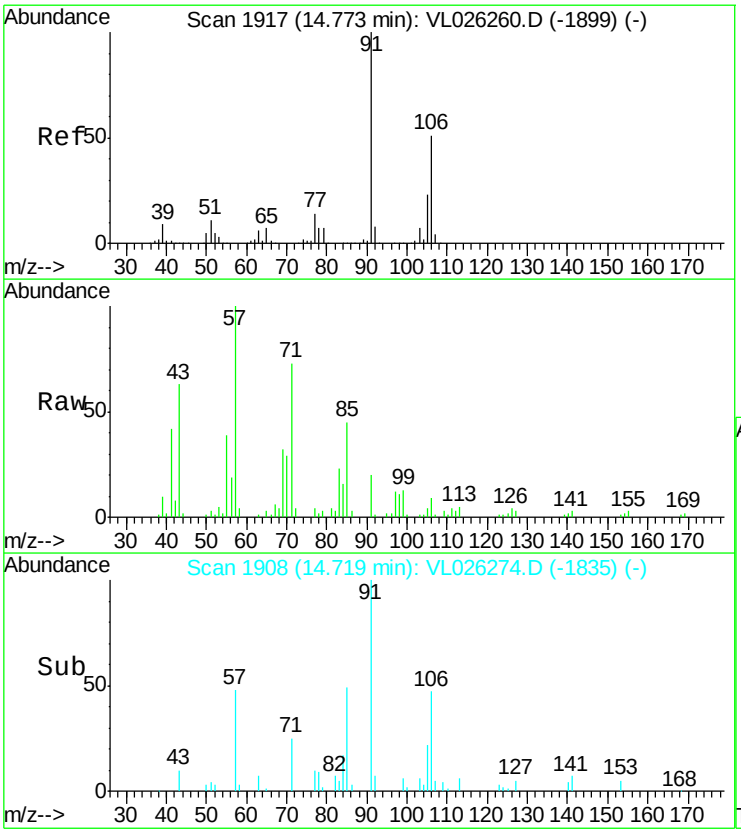
#58
Ethyl Benzene
Concen: 0.76 ppbv
RT: 14.44 min Scan# 1863
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument : MSVOA_L
ClientSampleId : SV1DL

Tgt Ion: 91 Resp: 236349

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.7	38.5

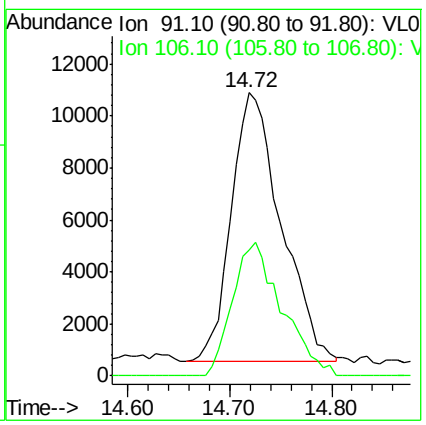


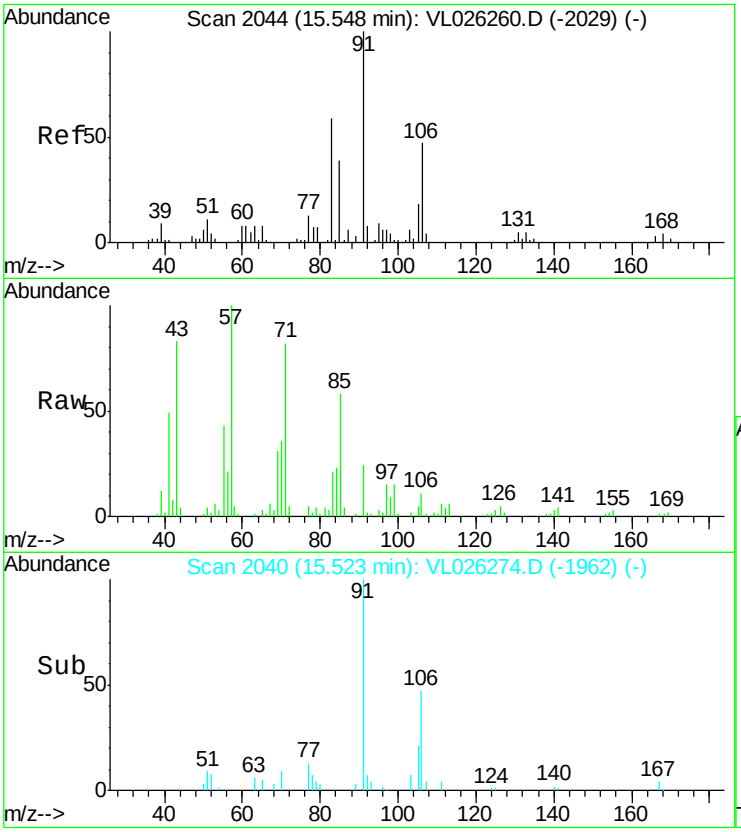


#59
m/p-Xylene
Concen: 0.14 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.05 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion: 91 Resp: 35152

Ion	Ratio	Lower	Upper
91	100		
106	49.1	0.0	0.0#



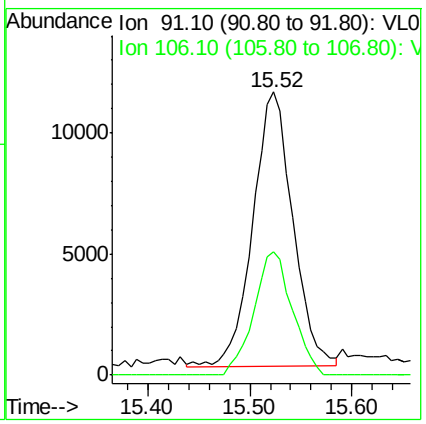


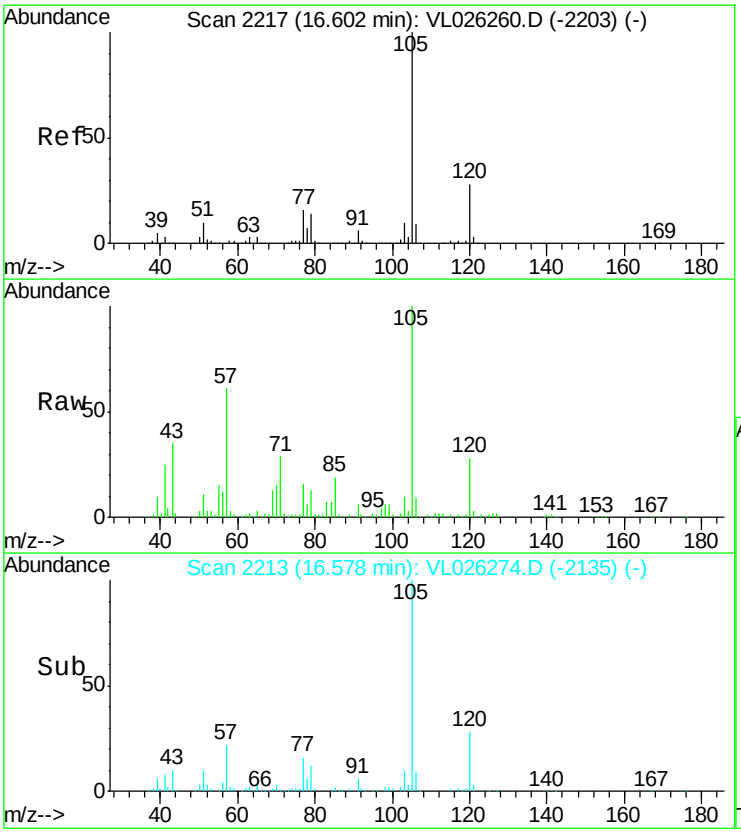
#60
o-Xylene
Concen: 0.12 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 30901

Ion	Ratio	Lower	Upper
91	100		
106	43.1	23.6	70.8

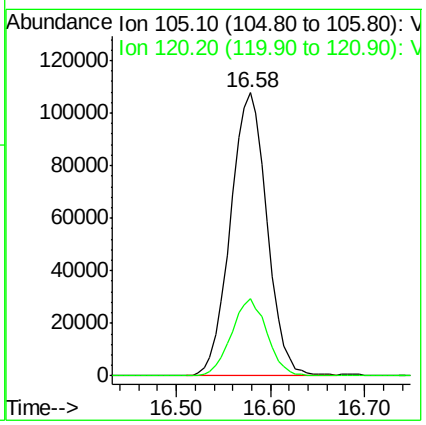


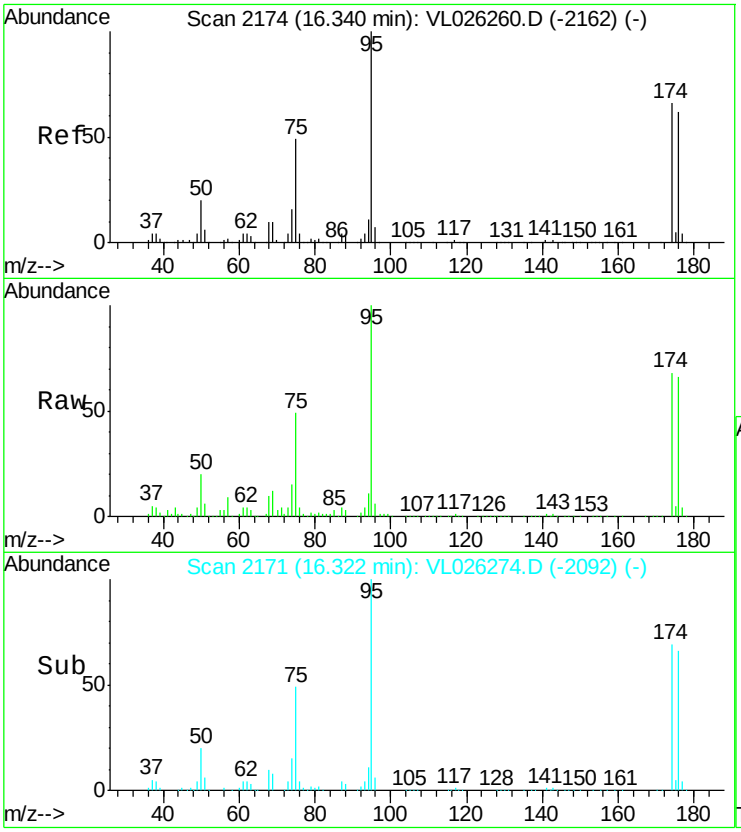


#62
Isopropylbenzene
Concen: 0.83 ppbv
RT: 16.58 min Scan# 2213
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Tgt Ion:105 Resp: 291037

Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.7	32.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.20 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. -0.02 min
Lab File: VL026274.D
Acq: 29 Oct 2015 21:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 95 Resp: 1463516

Ion	Ratio	Lower	Upper
95	100		
174	68.3	52.9	79.3
175	5.1	3.8	5.8