Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL111115\
Data File : VL026368.D
Acq On : 11 Nov 2015 17:18
Operator : SY/AP
Sample : G4364-01 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ERD45INFLUENT110615

Quant Time: Nov 12 18:04:47 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	702836	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	8.35	114	1934734	10.00	ppbv		-0.02
55) Chlorobenzene-d5	13.76	117	2238507	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.30	95	1754520	10.33	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%				
Target Compounds							Qvalue
5) Vinyl Chloride	3.89	62	152492	2.74	ppbv		96
9) Propene	3.60	41	12039	0.28	ppbv		92
10) Heptane	9.38	43	10149	0.07	ppbv	#	85
13) Ethanol	4.34	45	81695	12.82	ppbv		98
15) Acetone	4.60	43	2517927	27.06	ppbv		98
18) 1,1-Dichloroethene	5.09	96	15853	0.37	ppbv		91
19) Isopropyl Alcohol	4.76	45	175835	4.41	ppbv	#	24
22) trans-1,2-Dichloroethene	5.77	96	79158	1.37	ppbv		97
23) Vinyl Acetate	6.01	43	280764	1.57	ppbv	#	91
27) Carbon Disulfide	5.40	76	25747	0.23	ppbv	#	83
31) cis-1,2-Dichloroethene	6.53	61	3848763	44.04	ppbv		97
34) 2-Butanone	6.23	43	904120	7.74	ppbv		100
36) Benzene	8.05	78	18659	0.09	ppbv		97
38) Trichloroethene	9.10	130	12993903	132.10	ppbv		94
50) 4-Methyl-2-Pentanone	10.12	43	30857	0.20	ppbv	#	82
51) 2-Hexanone	11.65	43	14339	0.10	ppbv	#	93
52) Tetrachloroethene	12.82	164	34111	0.33	ppbv		99
53) Toluene	11.26	91	49092	0.18	ppbv		97
58) Ethyl Benzene	14.42	91	7803	0.02	ppbv		99
59) m/p-Xylene	14.70	91	27208	0.09	ppbv	#	100
60) o-Xylene	15.51	91	12438	0.04	ppbv		97
73) 1,3,5-Trimethylbenzene	18.00	105	14195	0.04	ppbv		95
74) 1,2,4-Trimethylbenzene	18.85	105	32977	0.10	ppbv	#	68
79) Naphthalene	23.95	128	8632	0.04	ppbv	#	96

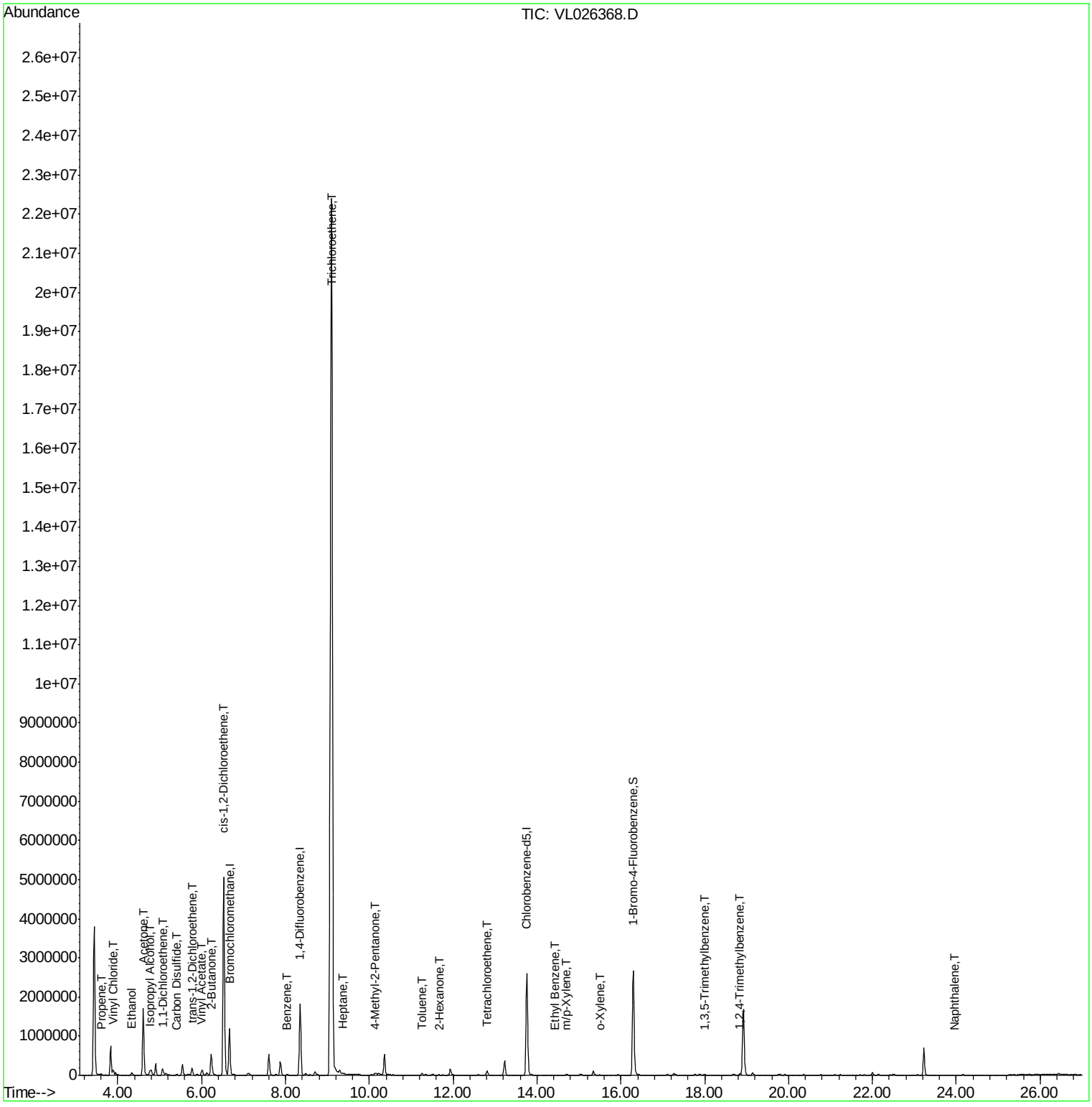
(#) = qualifier out of range (m) = manual integration (+) = signals summed

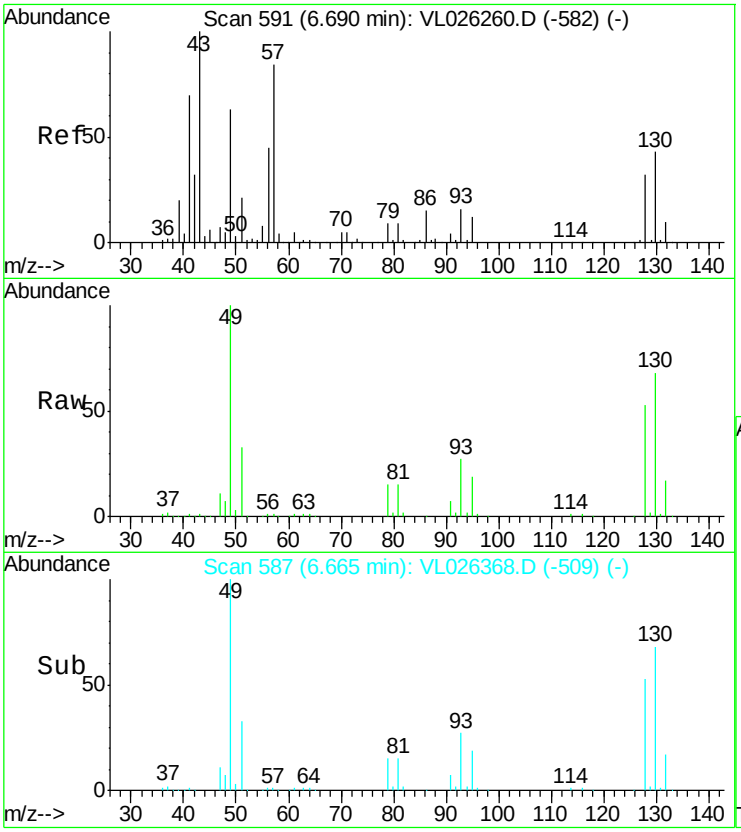
Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL111115\
Data File : VL026368.D
Acq On : 11 Nov 2015 17:18
Operator : SY/AP
Sample : G4364-01 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Quant Time: Nov 12 18:04:47 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



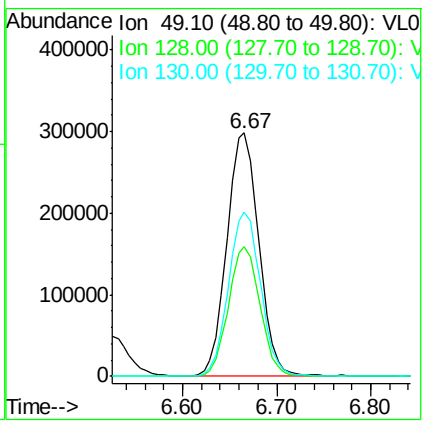


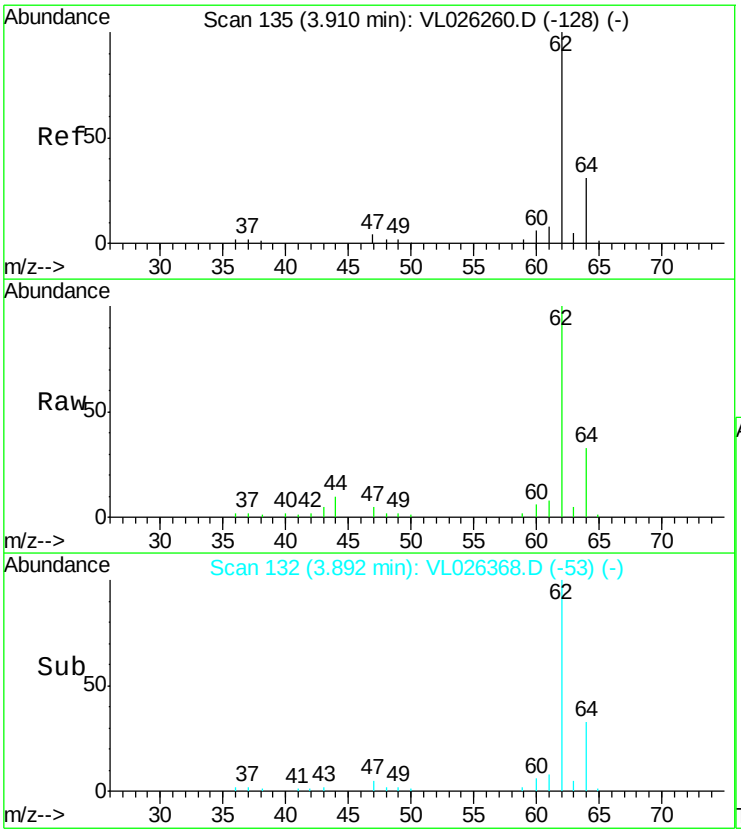
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 49 Resp: 702836

Ion	Ratio	Lower	Upper
49	100		
128	53.3	26.7	80.1
130	68.5	34.4	103.2

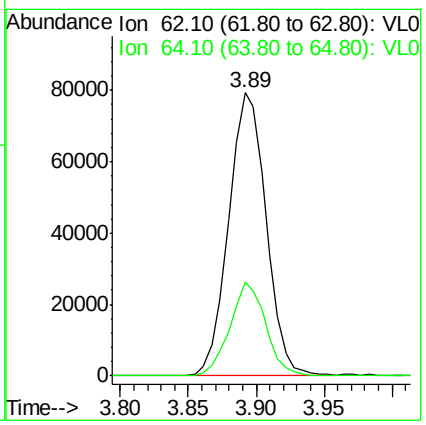


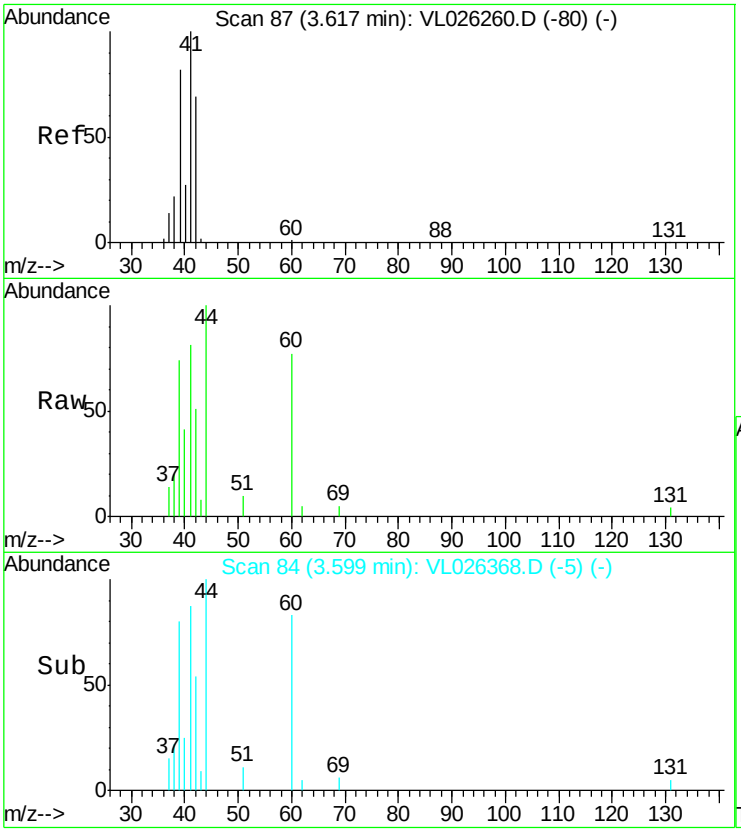


#5
Vinyl Chloride
Concen: 2.74 ppbv
RT: 3.89 min Scan# 132
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 62 Resp: 152492

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.9	37.3



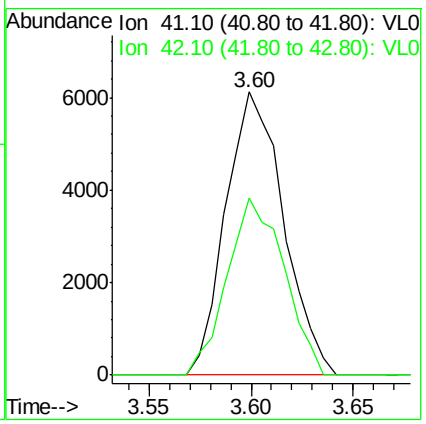


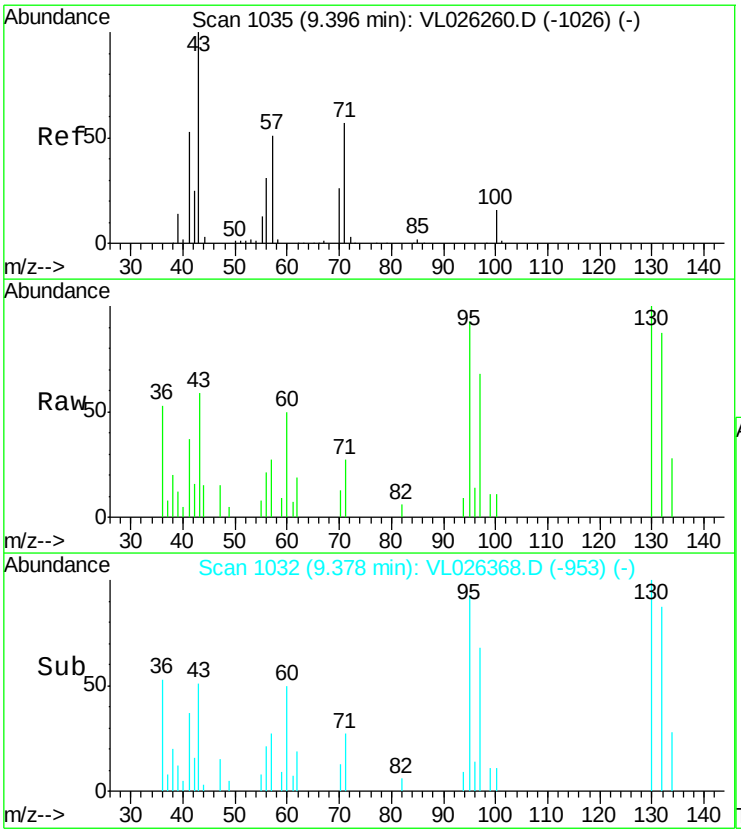
#9
Propene
Concen: 0.28 ppbv
RT: 3.60 min Scan# 84
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 41 Resp: 12039

Ion	Ratio	Lower	Upper
41	100		
42	61.7	54.5	81.7

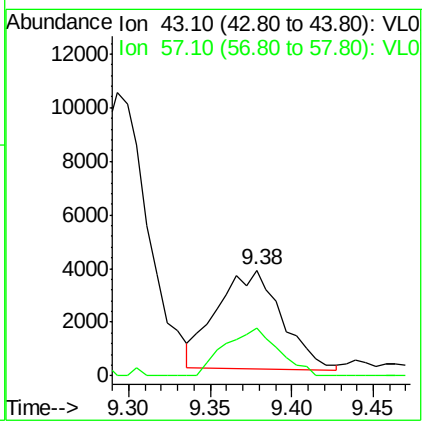


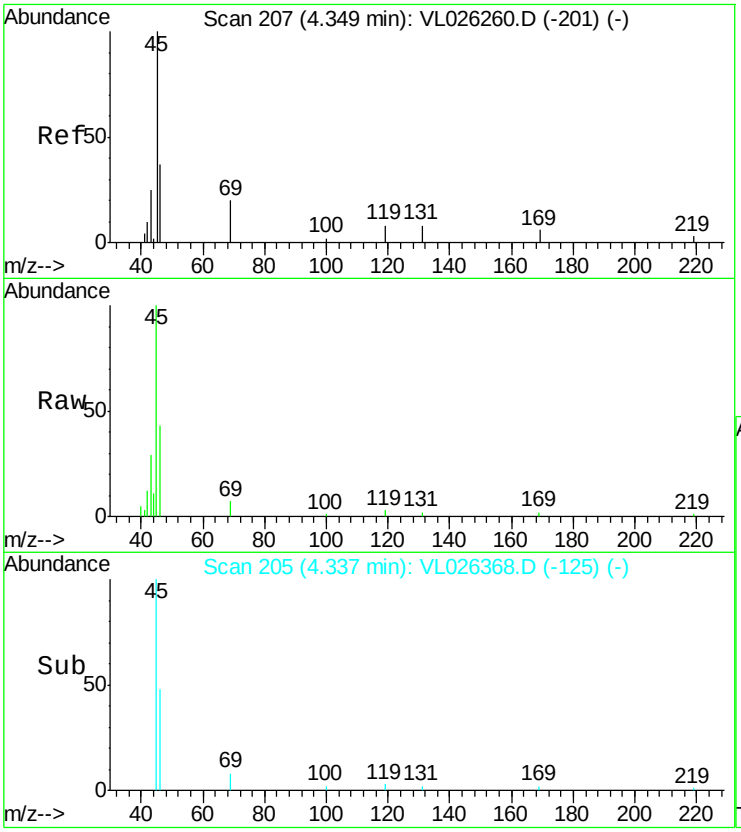


#10
Heptane
Concen: 0.07 ppbv
RT: 9.38 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 43 Resp: 10149

Ion	Ratio	Lower	Upper
43	100		
57	40.7	41.1	61.7#



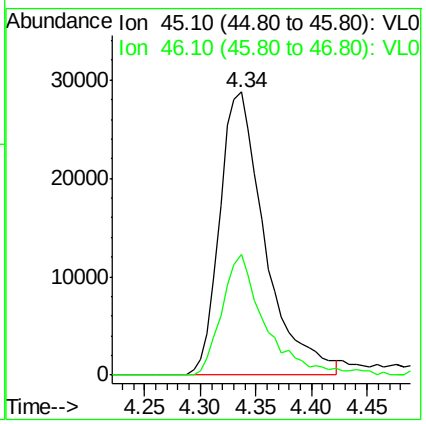


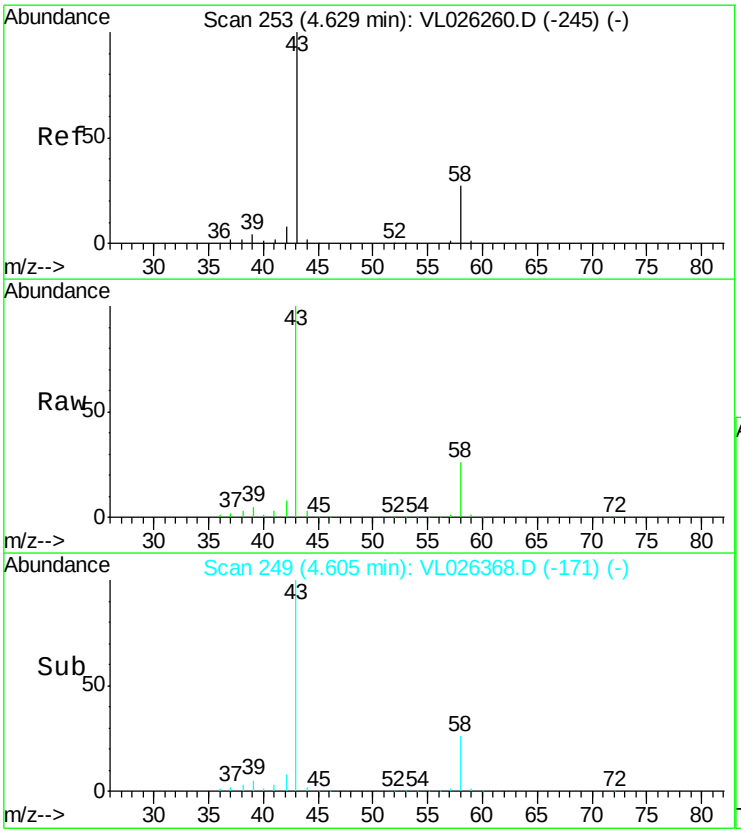
#13
Ethanol
Concen: 12.82 ppbv
RT: 4.34 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 45 Resp: 81695

Ion	Ratio	Lower	Upper
45	100		
46	40.9	17.0	68.0

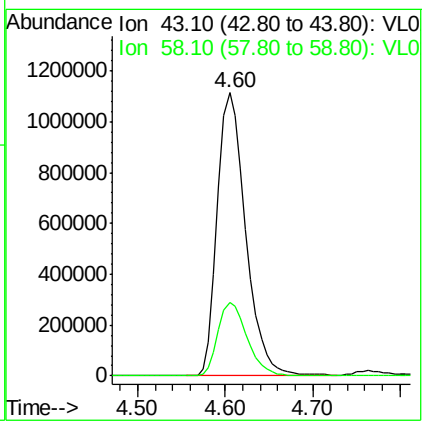


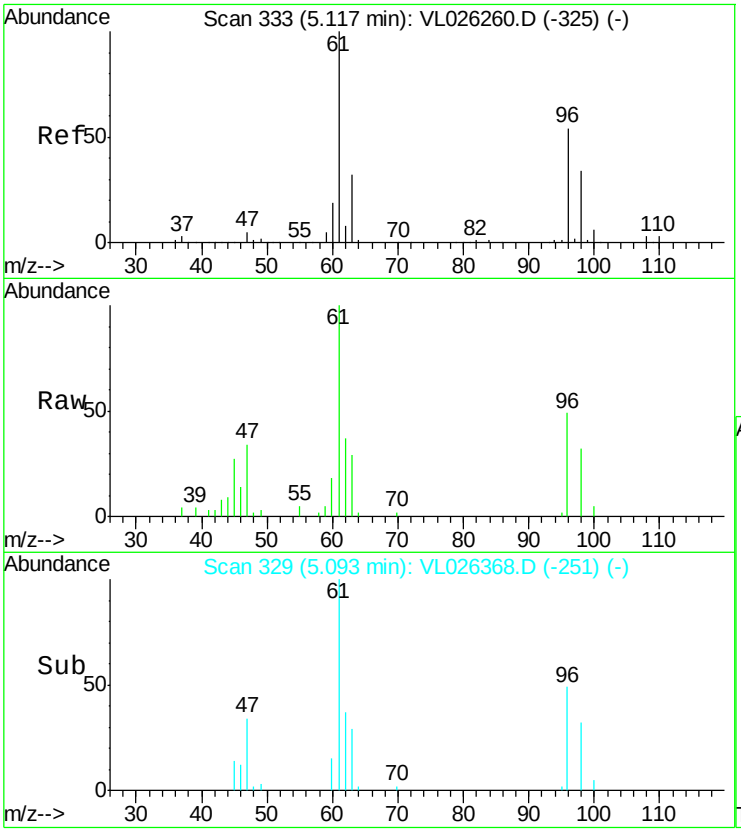


#15
Acetone
Concen: 27.06 ppbv
RT: 4.60 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 43 Resp: 2517927

Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.3	33.5



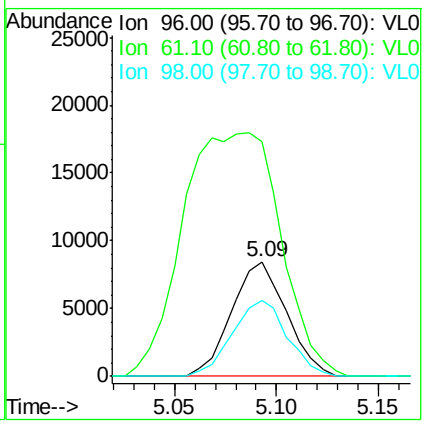


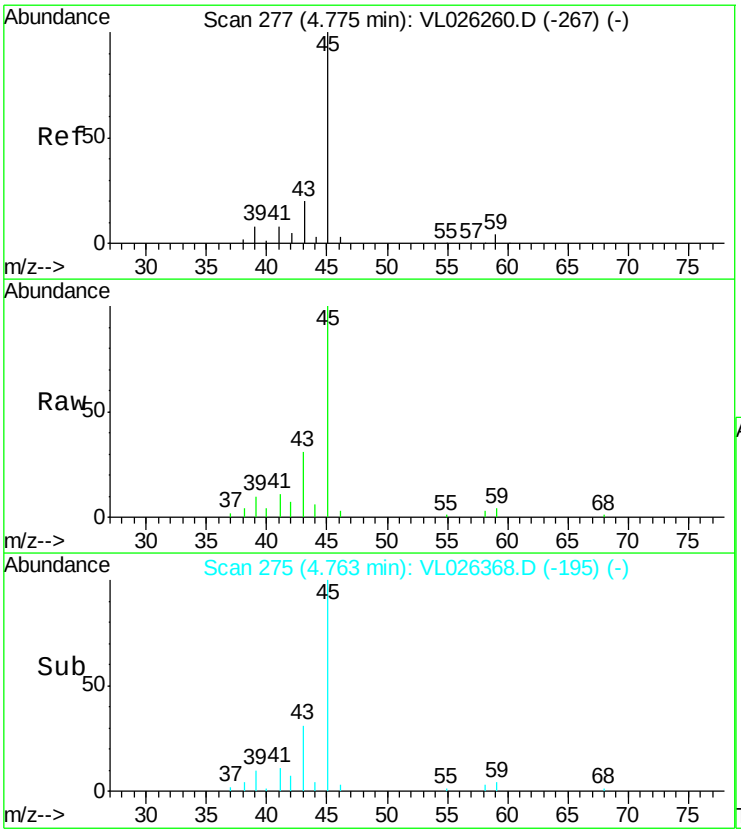
#18
1,1-Dichloroethene
Concen: 0.37 ppbv
RT: 5.09 min Scan# 329
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 96 Resp: 15853

Ion	Ratio	Lower	Upper
96	100		
61	198.6	147.0	220.4
98	65.8	50.1	75.1

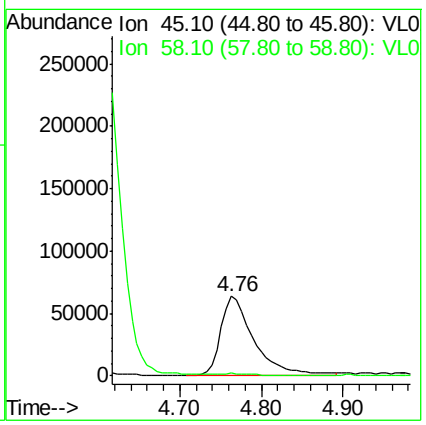


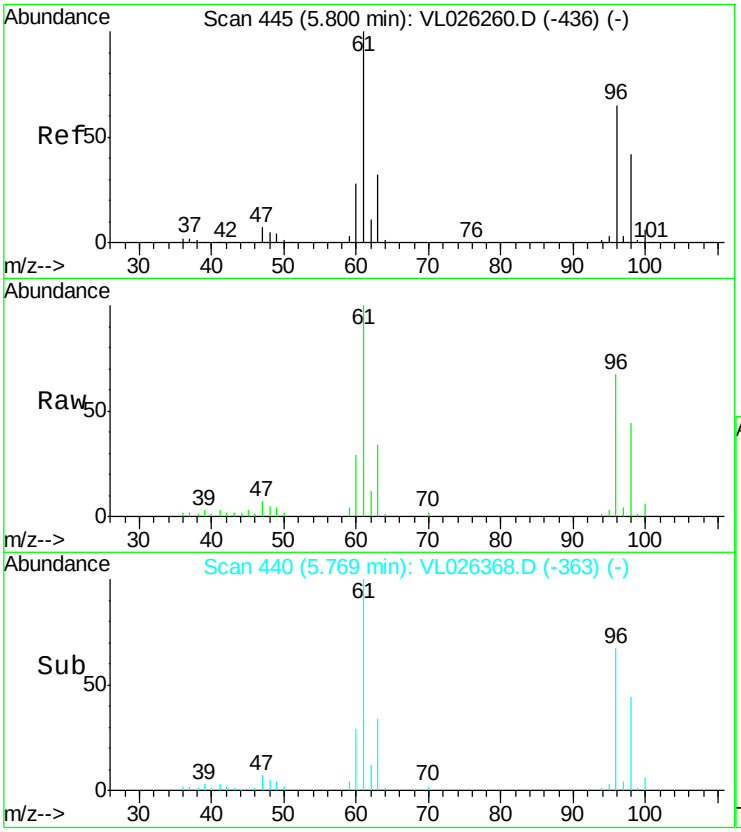


#19
Isopropyl Alcohol
Concen: 4.41 ppbv
RT: 4.76 min Scan# 275
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 45 Resp: 175835

Ion	Ratio	Lower	Upper
45	100		
58	0.0	43.8	65.8#



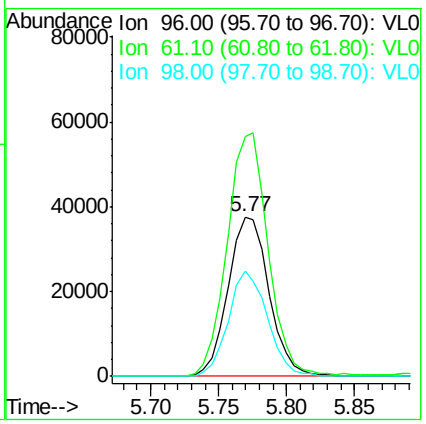


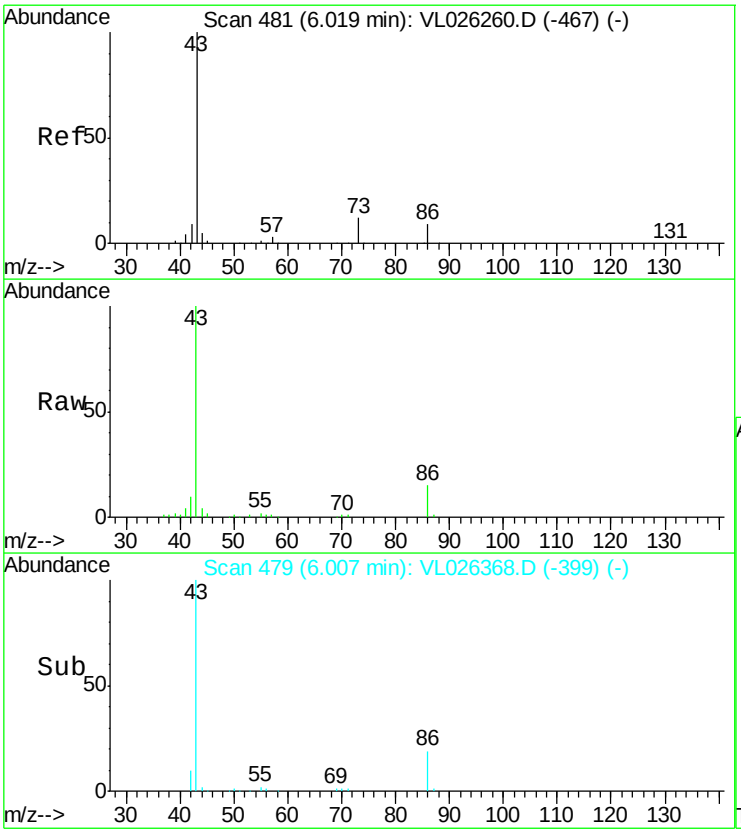
#22
trans-1,2-Dichloroethene
Concen: 1.37 ppbv
RT: 5.77 min Scan# 440
Delta R.T. -0.03 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 96 Resp: 79158

Ion	Ratio	Lower	Upper
96	100		
61	149.9	123.2	184.8
98	65.8	51.4	77.0

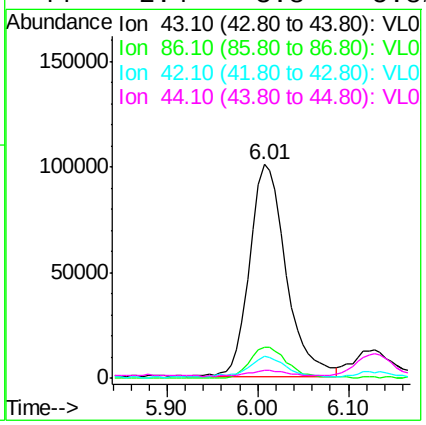


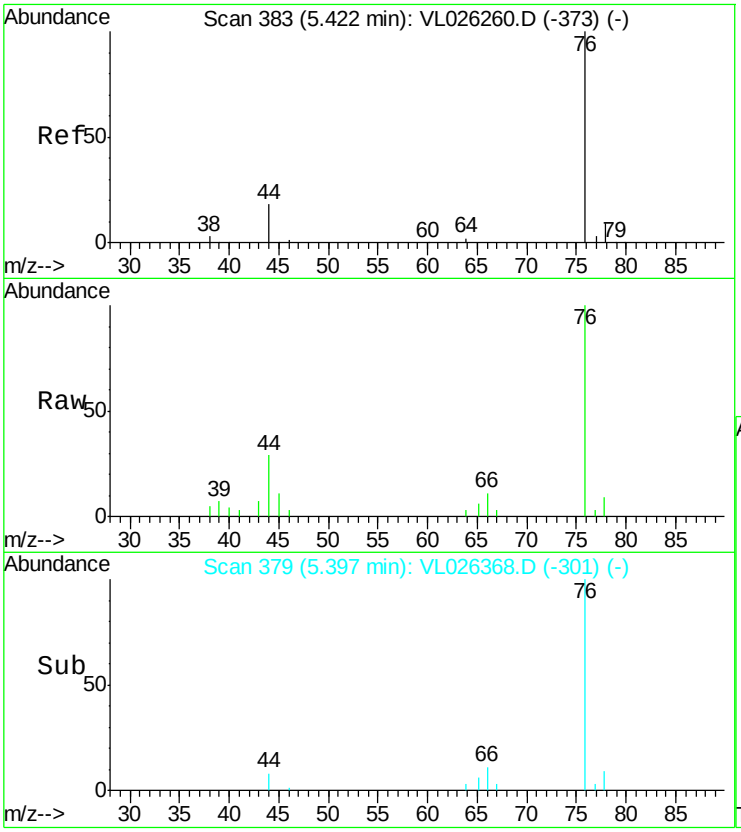


#23
Vinyl Acetate
Concen: 1.57 ppbv
RT: 6.01 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 43 Resp: 280764

Ion	Ratio	Lower	Upper
43	100		
86	14.8	7.3	10.9#
42	10.1	7.2	10.8
44	2.4	3.8	5.8#



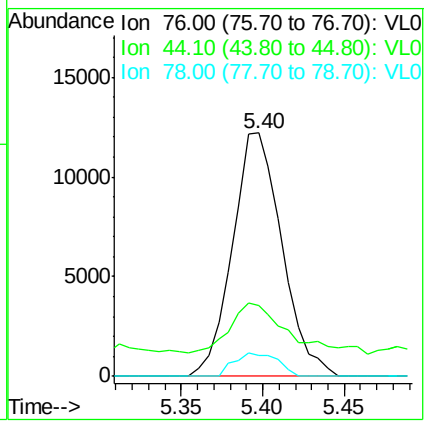


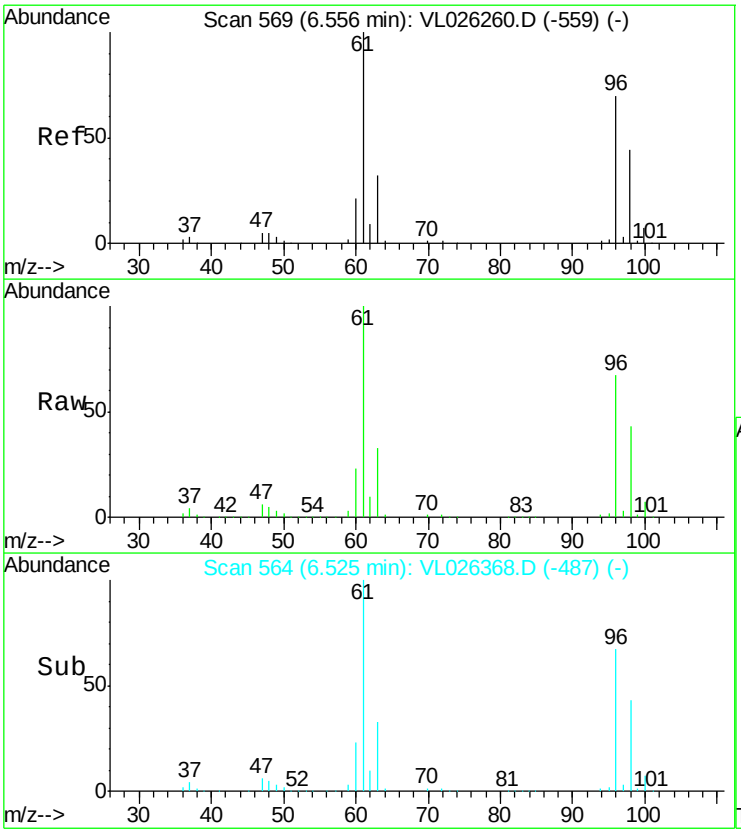
#27
Carbon Disulfide
Concen: 0.23 ppbv
RT: 5.40 min Scan# 379
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 76 Resp: 25747

Ion	Ratio	Lower	Upper
76	100		
44	28.4	14.1	21.1#
78	8.5	7.4	11.0

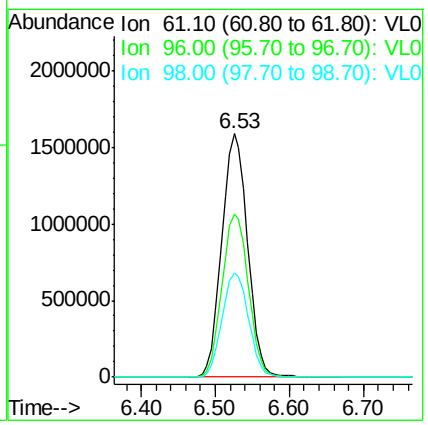


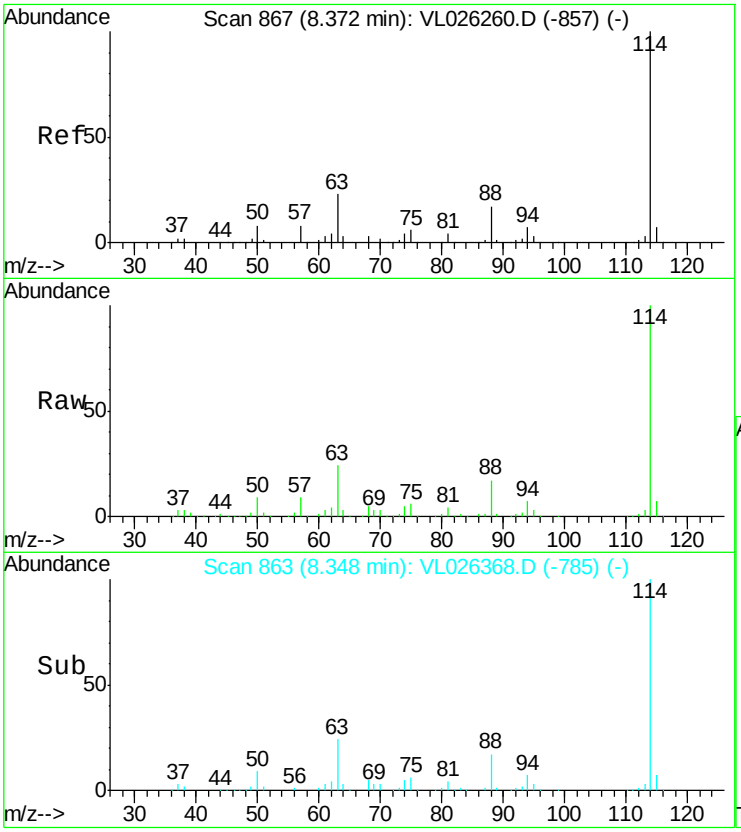


#31
cis-1,2-Dichloroethene
Concen: 44.04 ppbv
RT: 6.53 min Scan# 564
Delta R.T. -0.03 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 61 Resp: 3848763

Ion	Ratio	Lower	Upper
61	100		
96	66.9	56.2	84.4
98	42.9	35.4	53.2



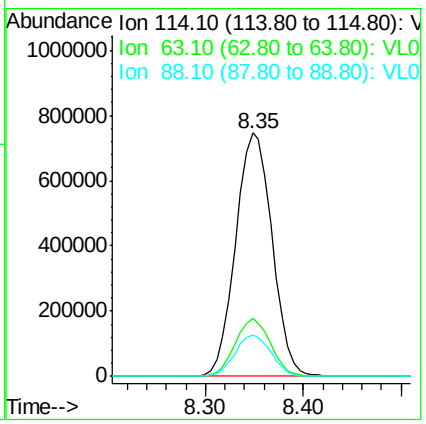


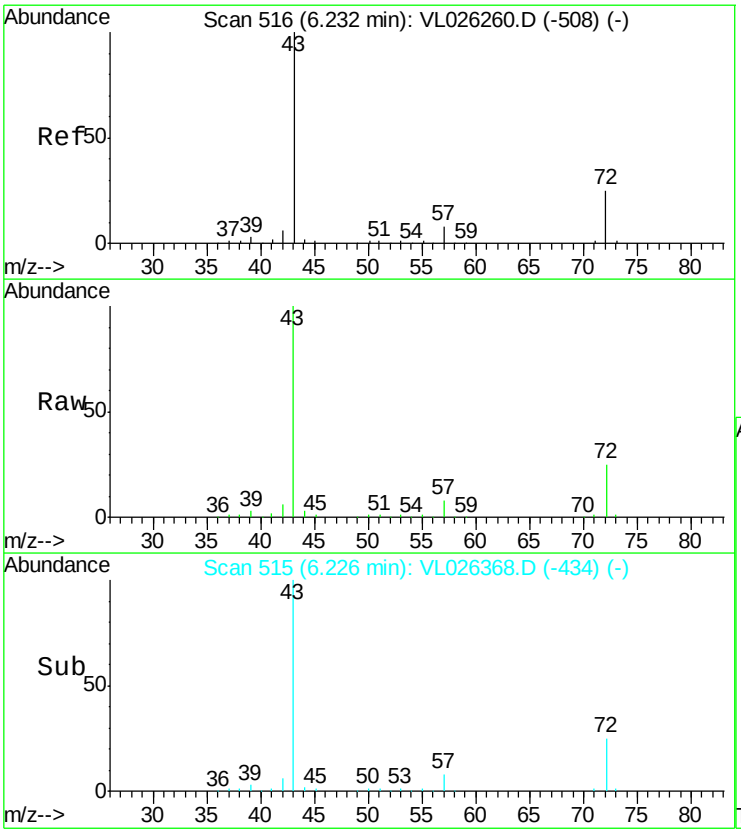
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion:114 Resp: 1934734

Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.6	28.0
88	17.0	13.4	20.2

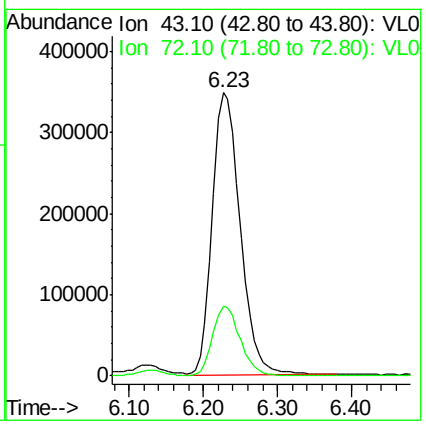


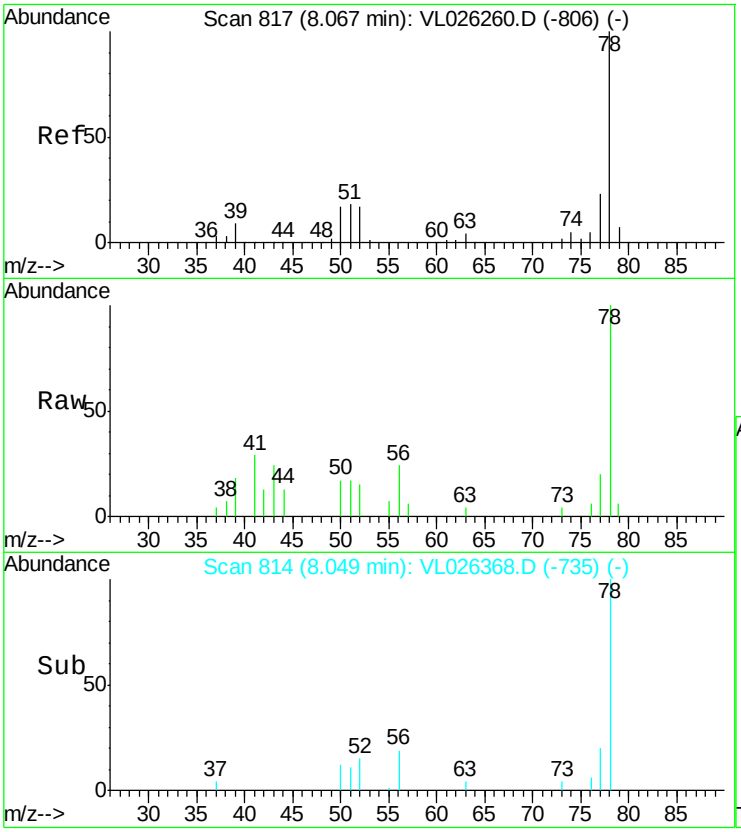


#34
2-Butanone
Concen: 7.74 ppbv
RT: 6.23 min Scan# 515
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 43 Resp: 904120

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9



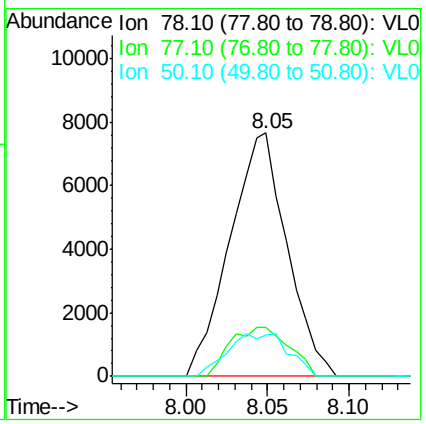


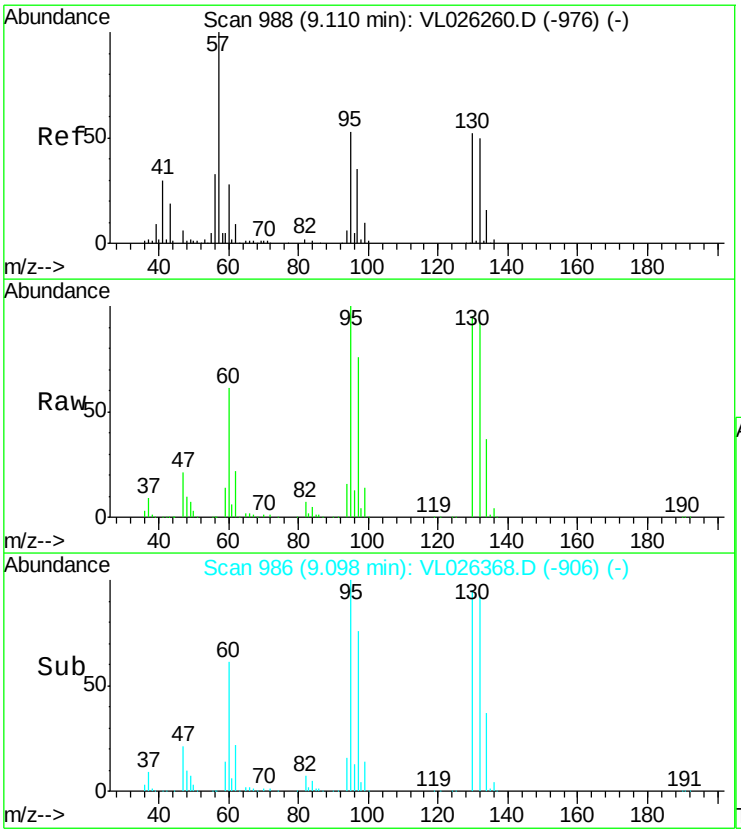
#36
Benzene
Concen: 0.09 ppbv
RT: 8.05 min Scan# 814
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 78 Resp: 18659

Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.0	27.0
50	17.1	13.3	19.9

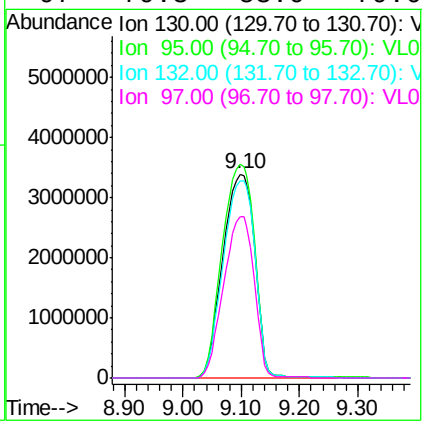


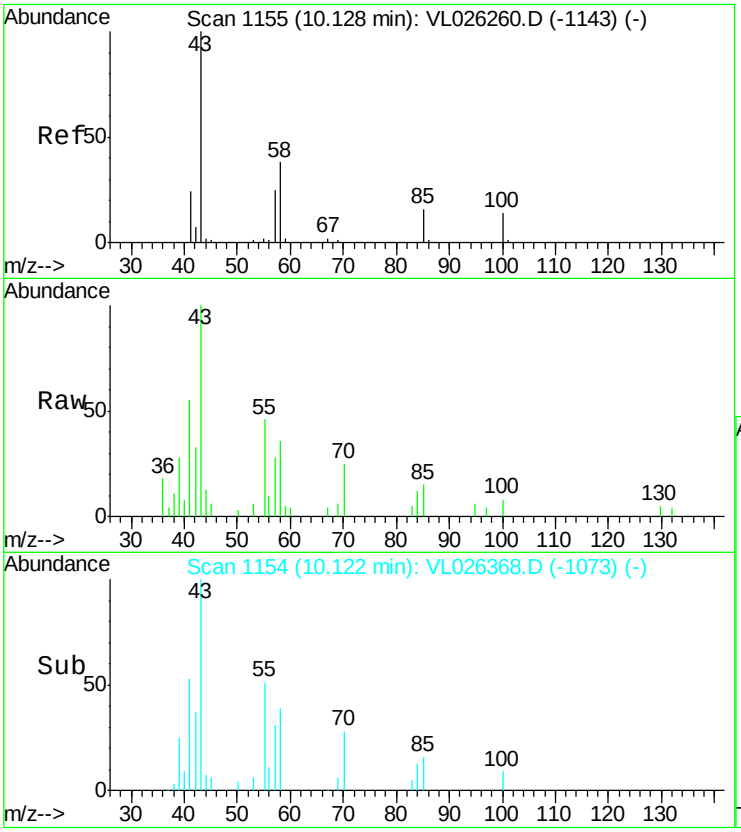


#38
Trichloroethene
Concen: 132.10 ppbv
RT: 9.10 min Scan# 986
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion:130 Resp:12993903

Ion	Ratio	Lower	Upper
130	100		
95	104.8	80.8	121.2
132	96.7	76.2	114.2
97	79.3	53.0	79.6



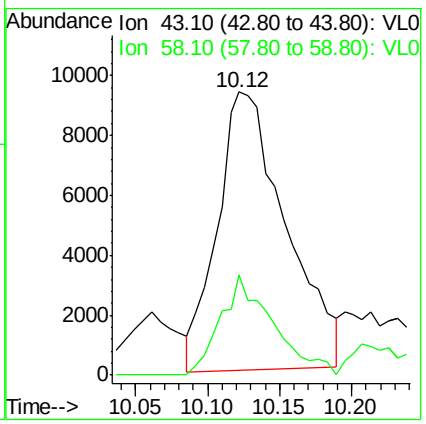


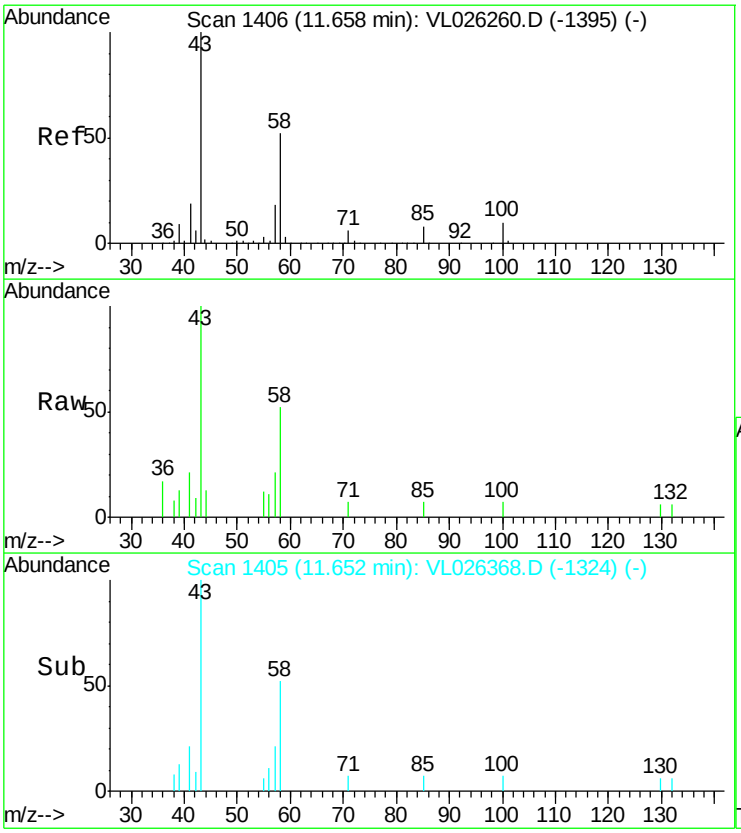
#50
4-Methyl-2-Pentanone
Concen: 0.20 ppbv
RT: 10.12 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument : MSVOA_L
ClientSampleId : ERD45INFLUENT110615

Tgt Ion: 43 Resp: 30857

Ion	Ratio	Lower	Upper
43	100		
58	27.4	30.5	45.7#

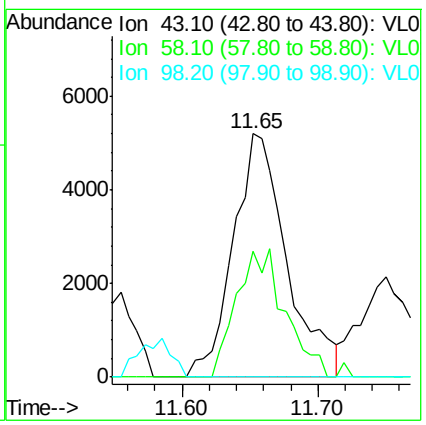


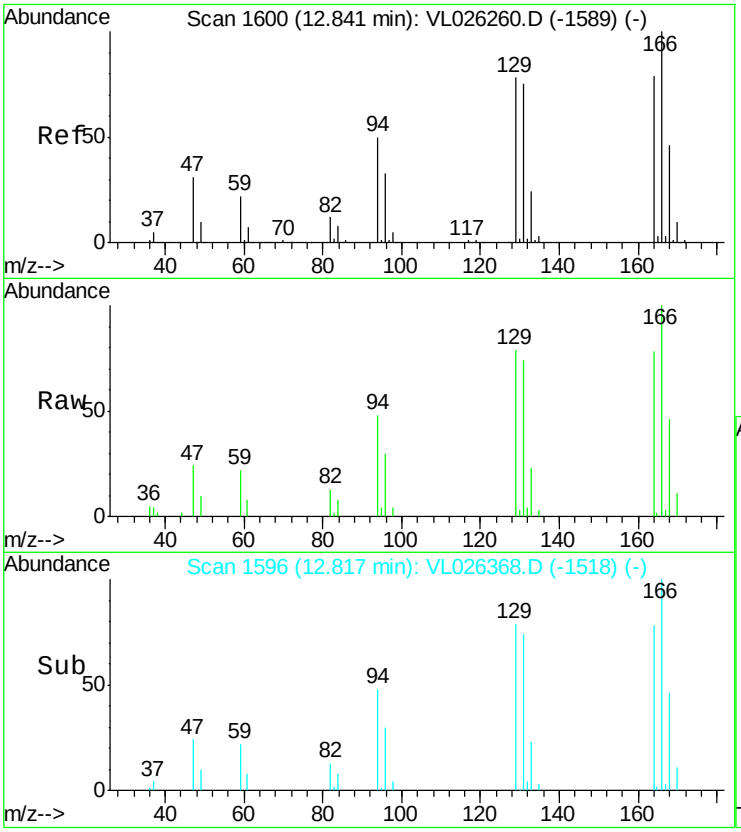


#51
2-Hexanone
Concen: 0.10 ppbv
RT: 11.65 min Scan# 1405
Delta R.T. -0.01 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 43 Resp: 14339

Ion	Ratio	Lower	Upper
43	100		
58	48.2	42.7	64.1
98	0.0	0.0	0.0



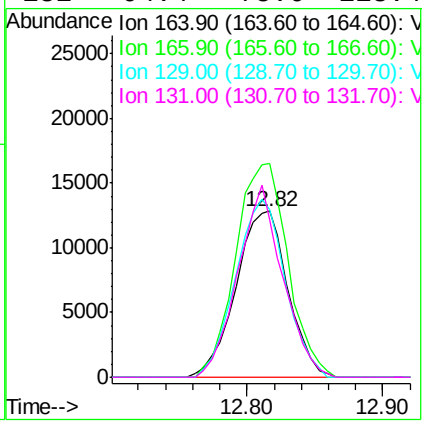


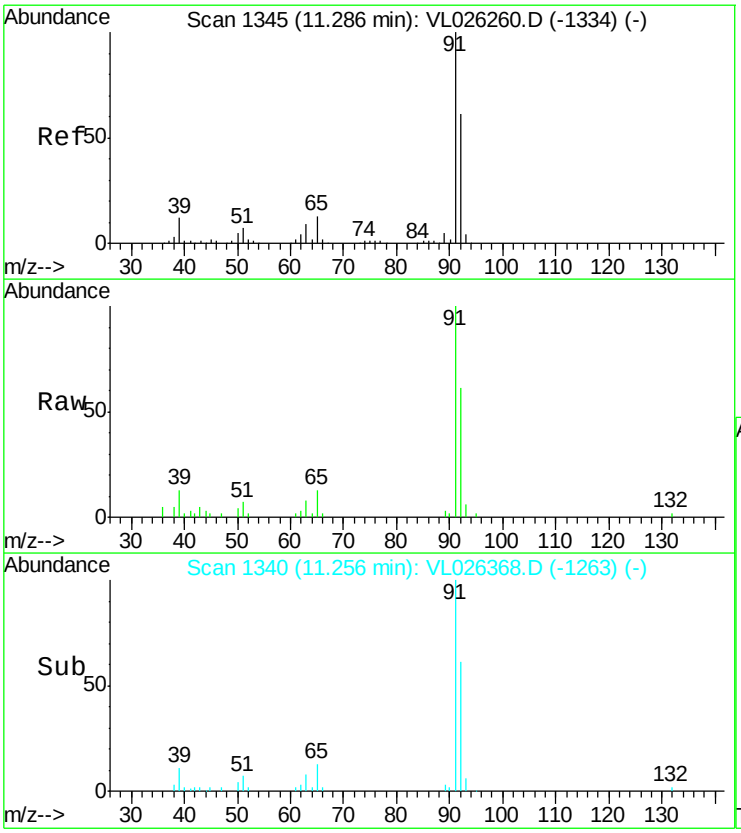
#52
Tetrachloroethene
Concen: 0.33 ppbv
RT: 12.82 min Scan# 1596
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument : MSVOA_L
ClientSampleId : ERD45INFLUENT110615

Tgt Ion:164 Resp: 34111

Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.4	152.0
129	101.2	78.8	118.2
131	94.4	75.6	113.4

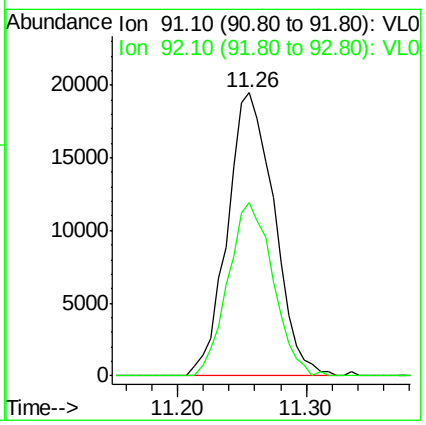


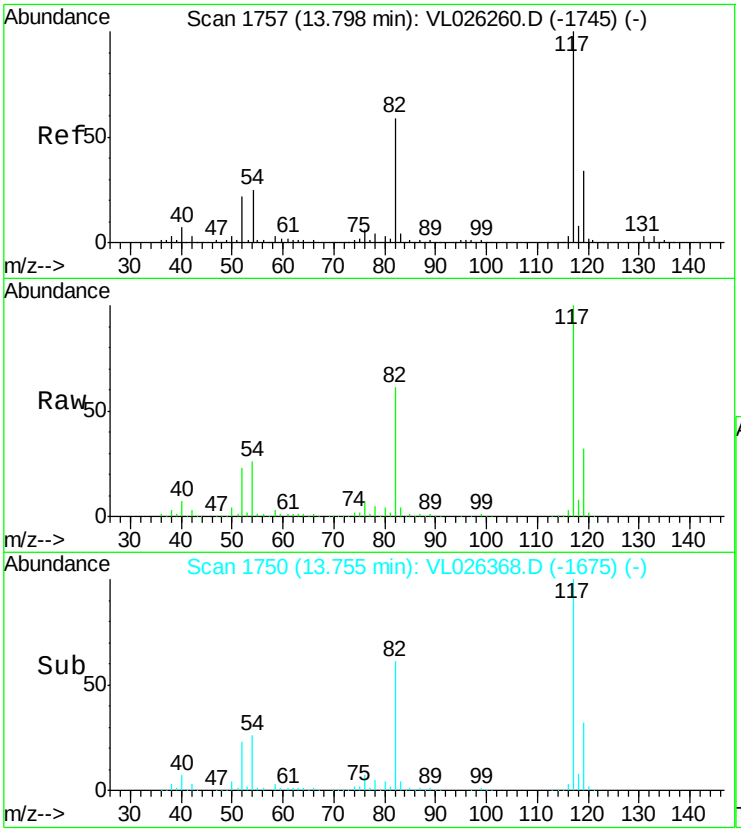


#53
Toluene
Concen: 0.18 ppbv
RT: 11.26 min Scan# 1340
Delta R.T. -0.03 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 91 Resp: 49092

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.6	73.0



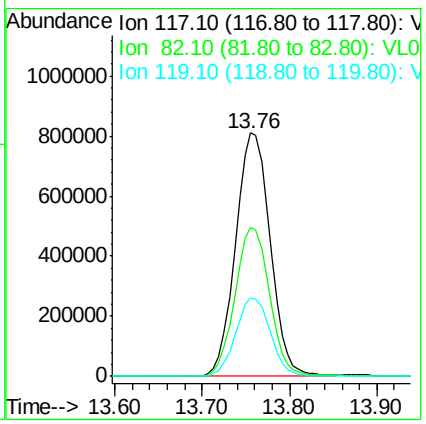


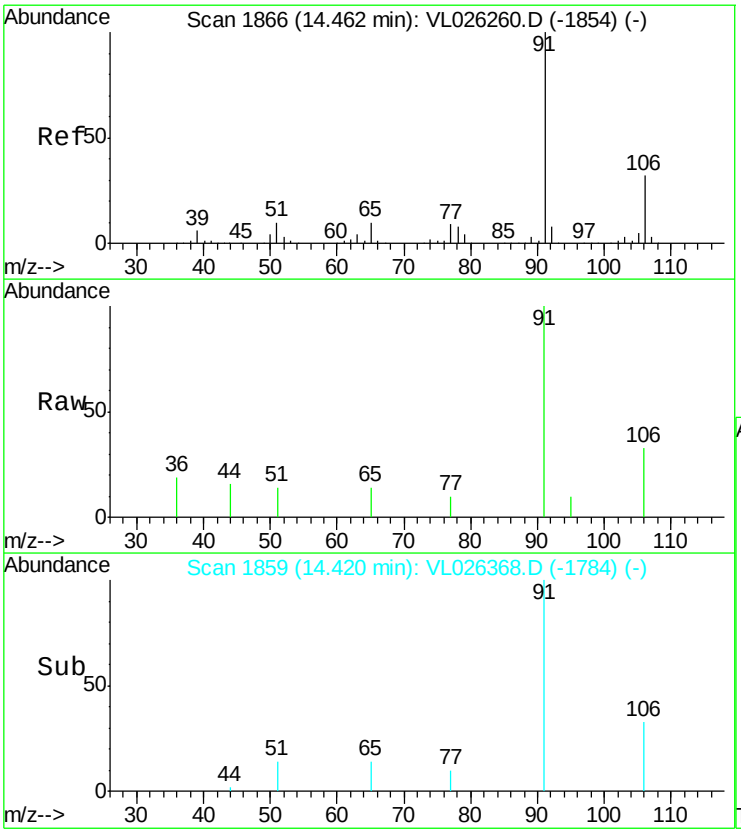
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion:117 Resp: 2238507

Ion	Ratio	Lower	Upper
117	100		
82	0.0	48.2	72.4#
119	32.6	46.2	69.2#

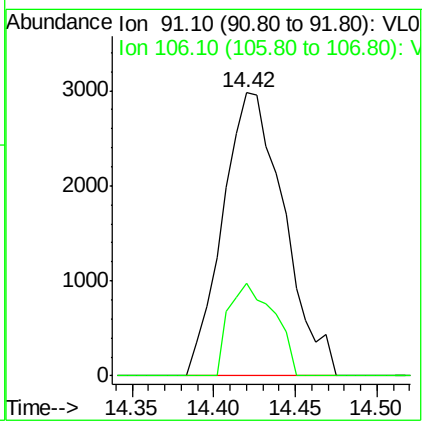


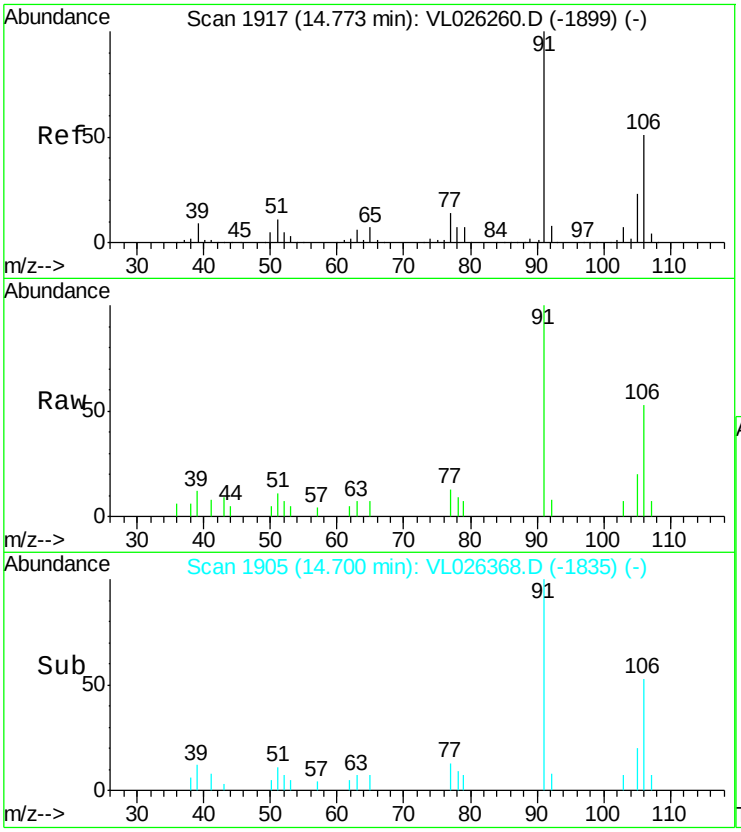


#58
Ethyl Benzene
Concen: 0.02 ppbv
RT: 14.42 min Scan# 1859
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 91 Resp: 7803

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.7	38.5



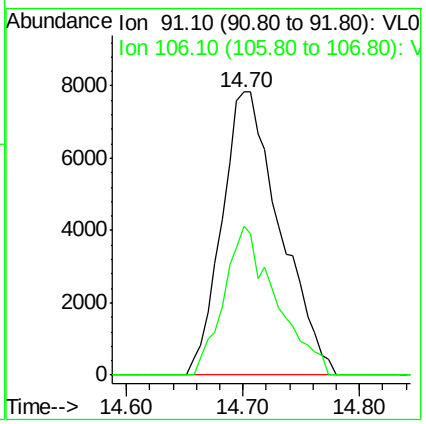


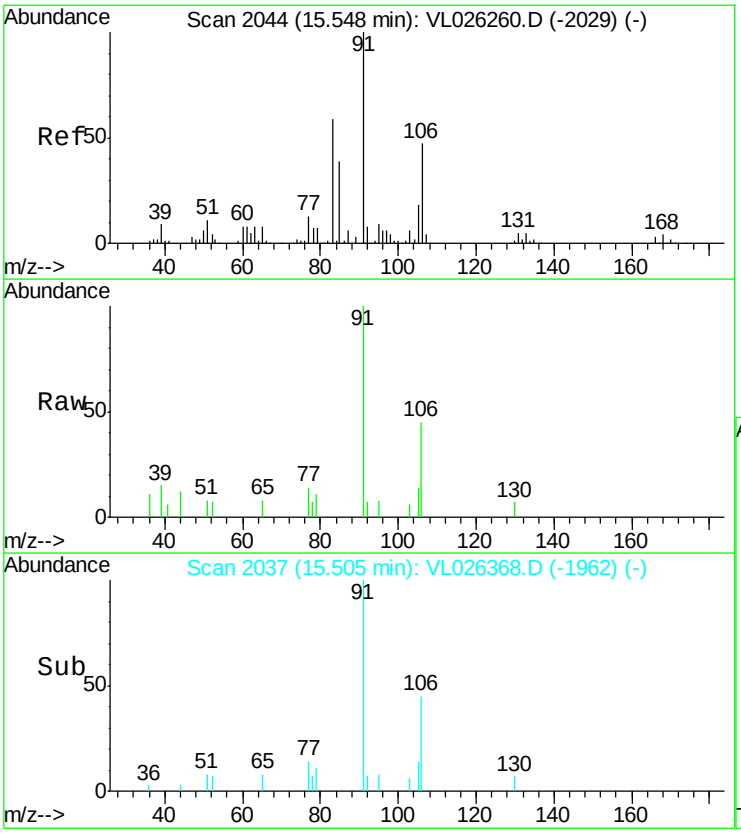
#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. -0.07 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 91 Resp: 27208

Ion	Ratio	Lower	Upper
91	100		
106	47.0	0.0	0.0#

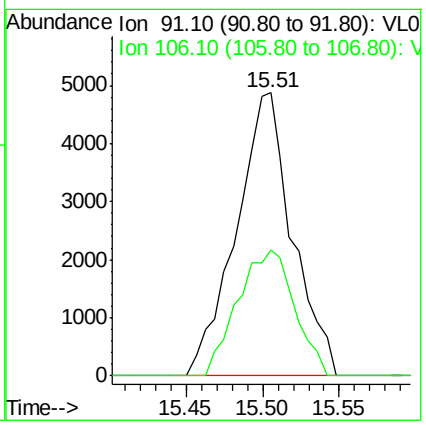


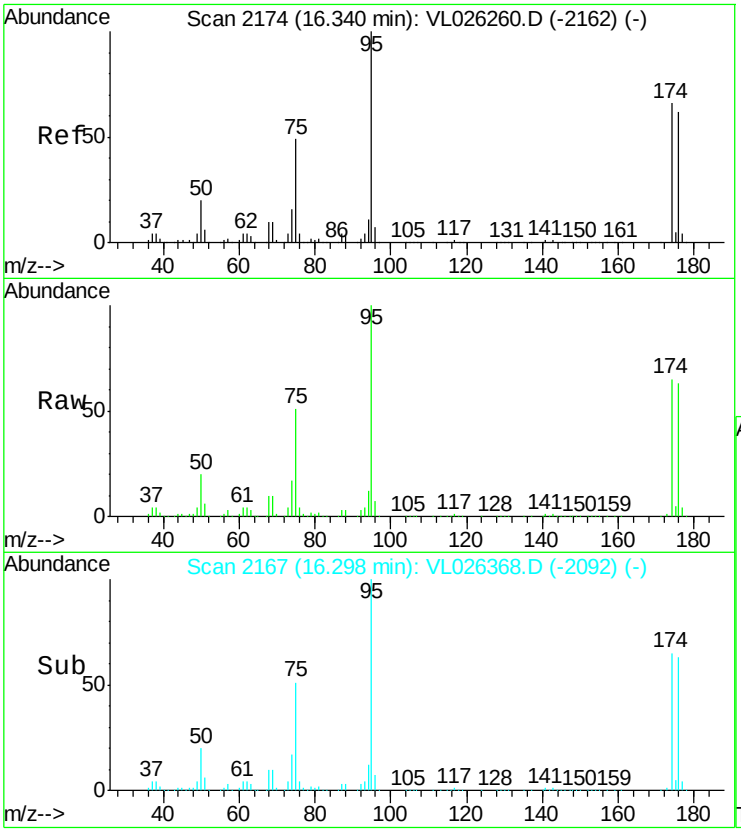


#60
o-Xylene
Concen: 0.04 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion: 91 Resp: 12438

Ion	Ratio	Lower	Upper
91	100		
106	44.9	23.6	70.8



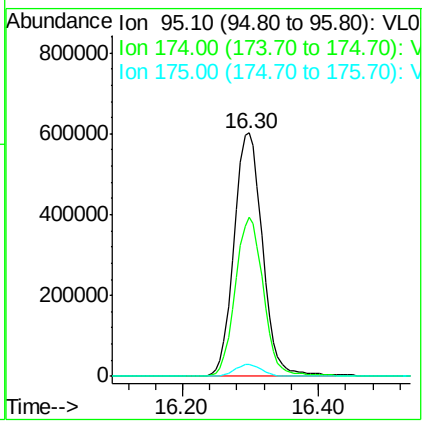


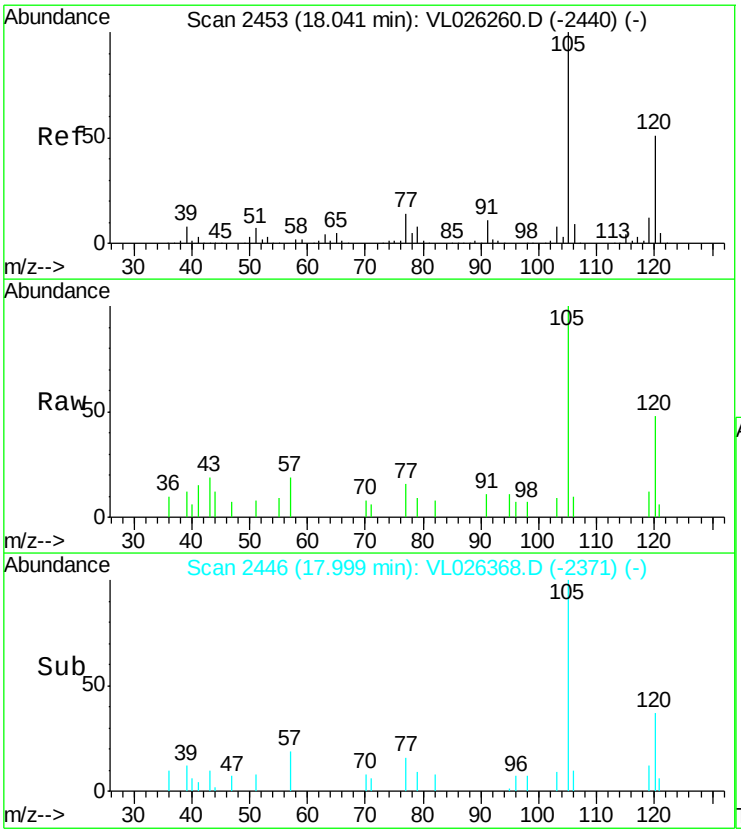
#68
1-Bromo-4-Fluorobenzene
Concen: 10.33 ppbv
RT: 16.30 min Scan# 2167
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion: 95 Resp: 1754520

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.9	79.3
175	4.8	3.8	5.8

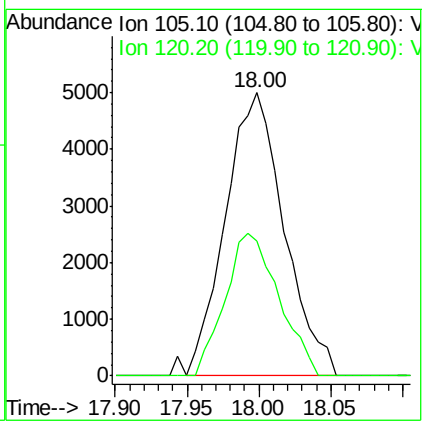


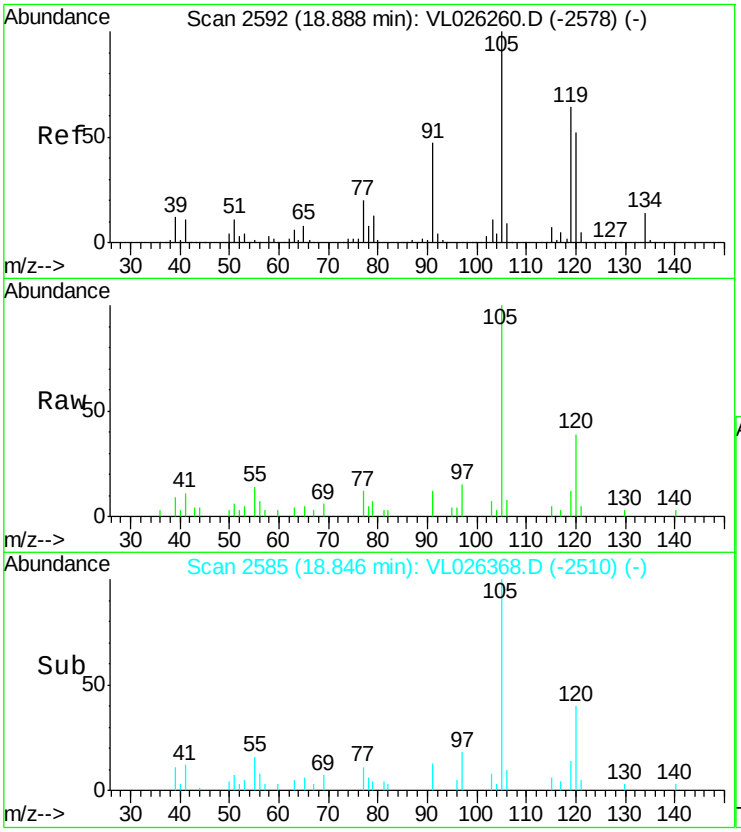


#73
1,3,5-Trimethylbenzene
Concen: 0.04 ppbv
RT: 18.00 min Scan# 2446
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion:105 Resp: 14195

Ion	Ratio	Lower	Upper
105	100		
120	54.1	40.6	61.0



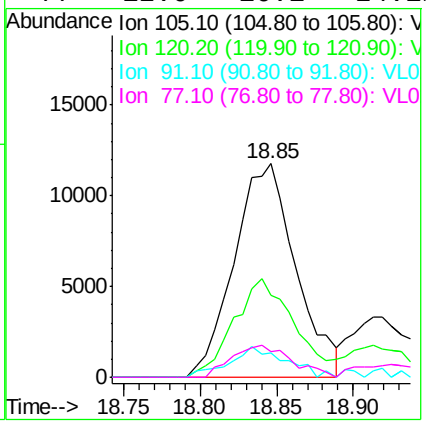


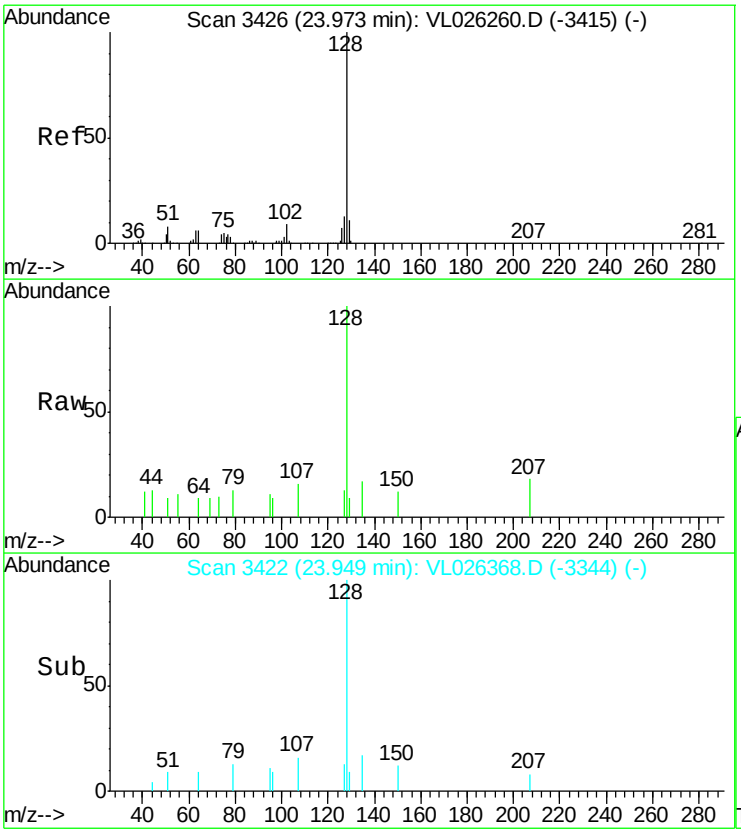
#74
1,2,4-Trimethylbenzene
Concen: 0.10 ppbv
RT: 18.85 min Scan# 2585
Delta R.T. -0.04 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT110615

Tgt Ion:105 Resp: 32977

Ion	Ratio	Lower	Upper
105	100		
120	38.6	41.2	61.8#
91	11.5	37.8	56.8#
77	12.0	16.1	24.1#





#79
Naphthalene
Concen: 0.04 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. -0.02 min
Lab File: VL026368.D
Acq: 11 Nov 2015 17:18

Tgt Ion:128 Resp: 8632

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	8.7	8.8	13.2#