Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025815.D
Acq On : 31 Jul 2015 16:29
Operator : SY/MD
Sample : G3144-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Quant Time: Aug 03 04:40:06 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.67	49	739147	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	8.35	114	1994099	10.00	ppbv		0.02
55) Chlorobenzene-d5	13.80	117	2481510	10.00	ppbv		0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	2115468	10.11	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.65	85	10310	0.05	ppbv		91
3) Chlorodifluoromethane	3.55	51	62678	0.60	ppbv	#	55
4) Chloromethane	3.76	50	1906	0.04	ppbv	#	42
9) Propene	3.61	41	10345	0.30	ppbv		86
10) Heptane	9.38	43	7757	0.06	ppbv		99
13) Ethanol	4.36	45	12015	2.23	ppbv		99
15) Acetone	4.63	43	164435	1.26	ppbv		97
16) 1,3-Butadiene	3.96	39	7444	0.14	ppbv	#	12
19) Isopropyl Alcohol	4.79	45	11396	0.22	ppbv	#	96
20) Methylene Chloride	5.16	84	62599	1.18	ppbv		92
22) trans-1,2-Dichloroethene	5.78	96	11077	0.20	ppbv	#	86
23) Vinyl Acetate	6.02	43	9647	0.05	ppbv	#	57
25) Ethyl Acetate	6.71	43	7177	0.04	ppbv	#	53
26) Hexane	6.67	57	11058	0.12	ppbv		87
31) cis-1,2-Dichloroethene	6.53	61	2245772	24.29	ppbv		98
32) 1,1,1-Trichloroethane	7.62	97	15882	0.08	ppbv	#	83
34) 2-Butanone	6.23	43	207504	1.83	ppbv		100
38) Trichloroethene	9.09	130	4059740	45.72	ppbv		98
39) 1,2-Dichloropropane	9.09	63	22855	0.32	ppbv	#	1
41) Tetrahydrofuran	7.15	42	260676	4.62	ppbv		99
42) Bromodichloromethane	9.09	83	66786	0.34	ppbv		92
44) 2,2,4-Trimethylpentane	9.10	57	18595	0.06	ppbv	#	66
52) Tetrachloroethene	12.92	164	40794237	425.89	ppbv		87
53) Toluene	11.26	91	83226	0.31	ppbv		99
57) Chlorobenzene	13.87	112	12480	0.05	ppbv	#	37
58) Ethyl Benzene	14.47	91	28026	0.07	ppbv		97
59) m/p-Xylene	14.76	91	115545	0.32	ppbv		98
60) o-Xylene	15.54	91	51659	0.13	ppbv		97
64) n-propylbenzene	17.56	120	4229	0.03	ppbv	#	49
73) 1,3,5-Trimethylbenzene	18.02	105	28567	0.07	ppbv		92
76) 1,4-Dichlorobenzene	19.31	146	48887	0.16	ppbv		96
79) Naphthalene	23.96	128	14670	0.03	ppbv		98

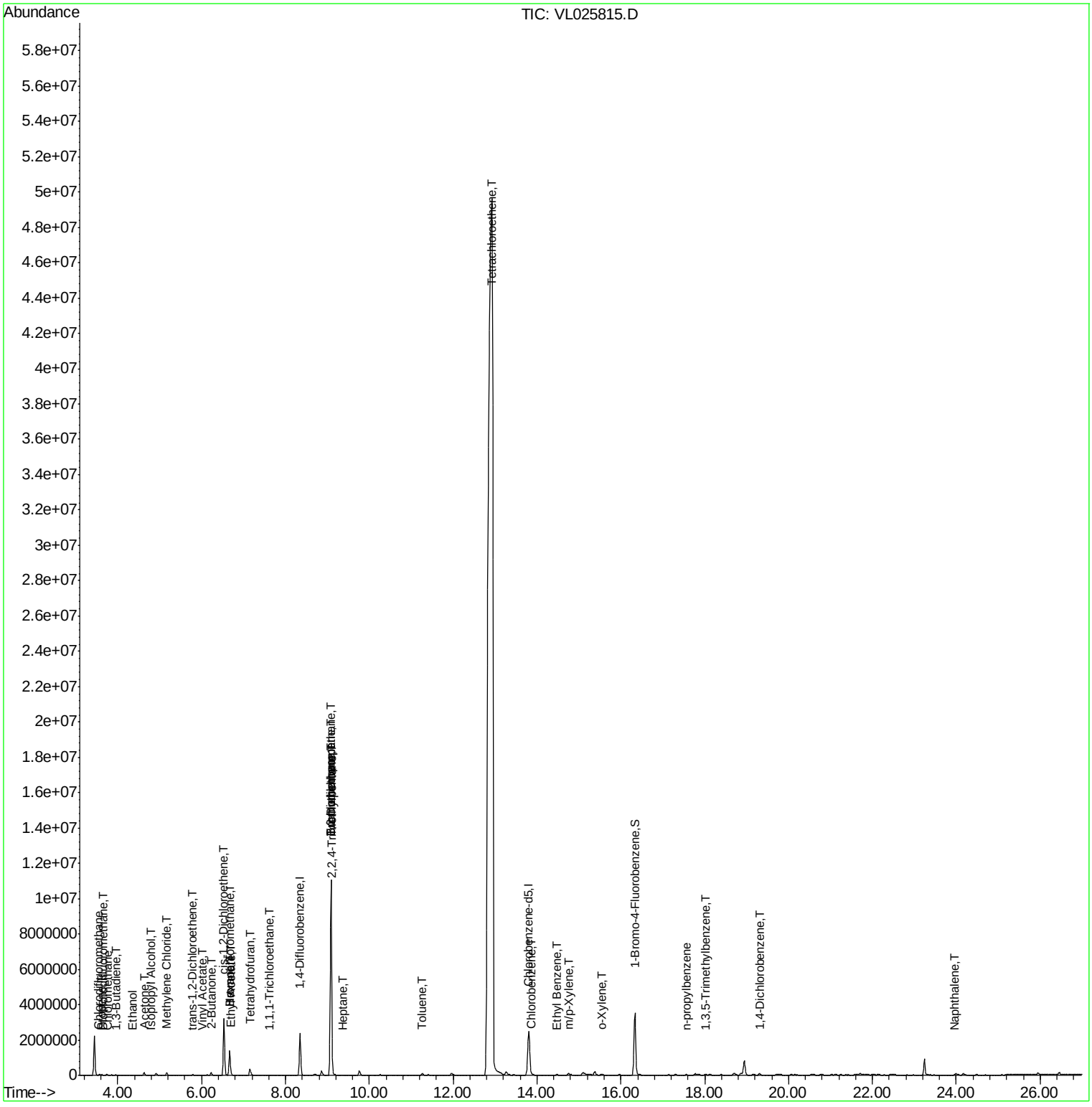
(#) = qualifier out of range (m) = manual integration (+) = signals summed

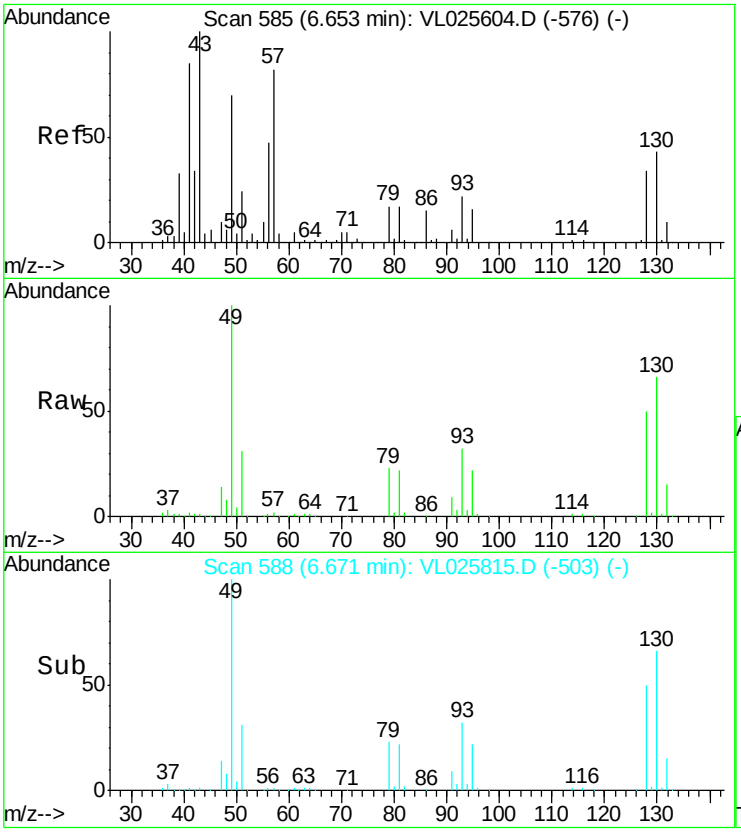
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025815.D
Acq On : 31 Jul 2015 16:29
Operator : SY/MD
Sample : G3144-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Quant Time: Aug 03 04:40:06 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration



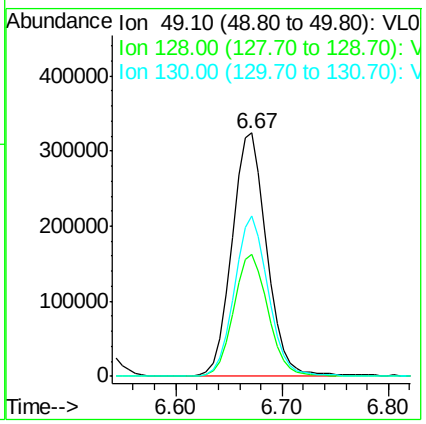


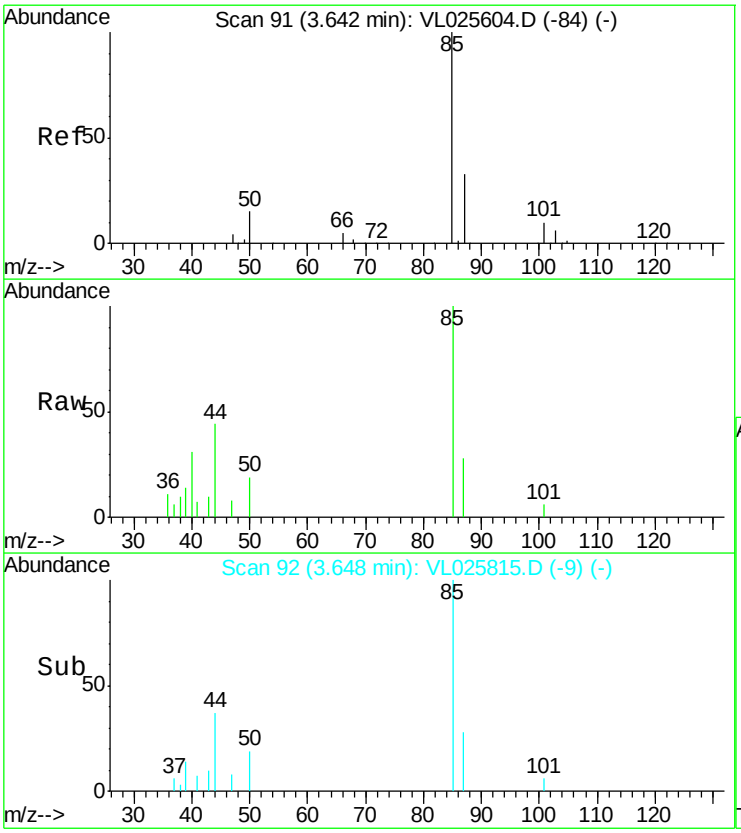
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 49 Resp: 739147

Ion	Ratio	Lower	Upper
49	100		
128	50.5	25.4	76.0
130	65.2	31.9	95.9

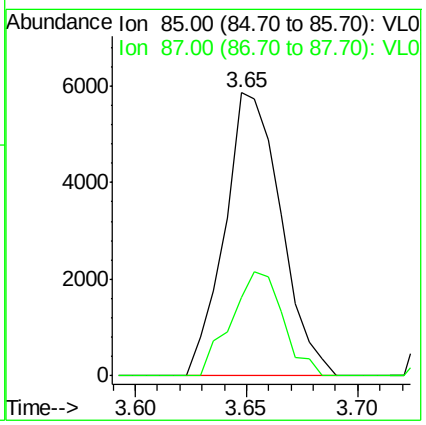


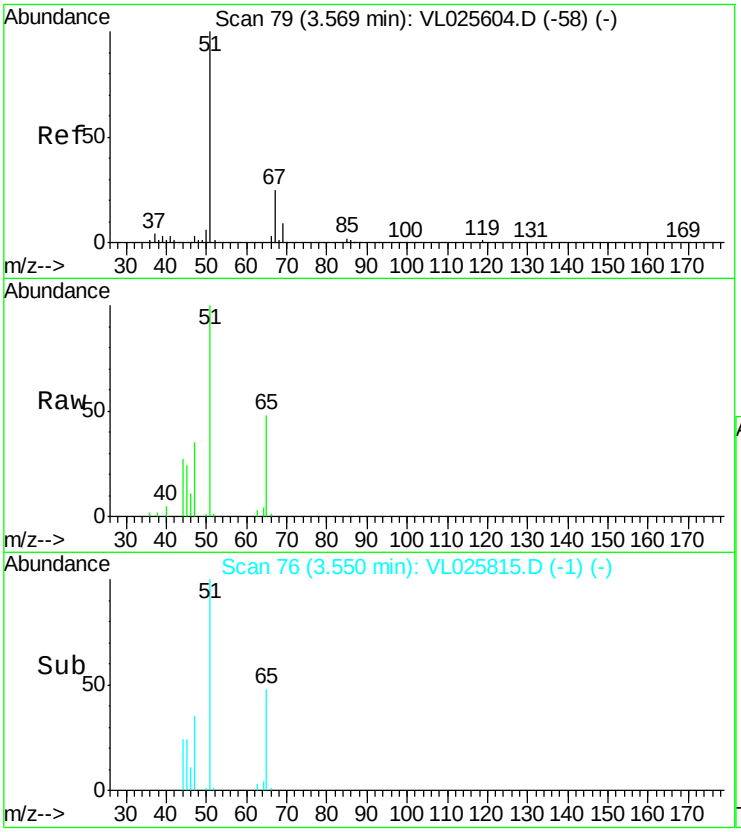


#2
Dichlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.65 min Scan# 92
Delta R.T. 0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 85 Resp: 10310

Ion	Ratio	Lower	Upper
85	100		
87	27.8	26.5	39.7



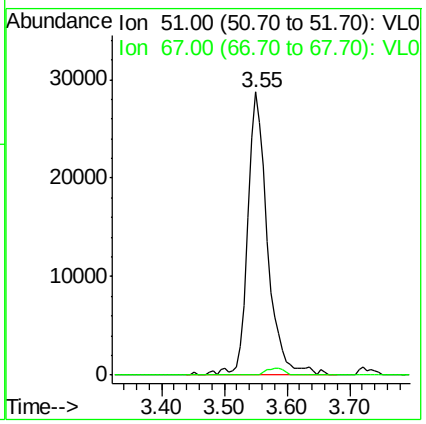


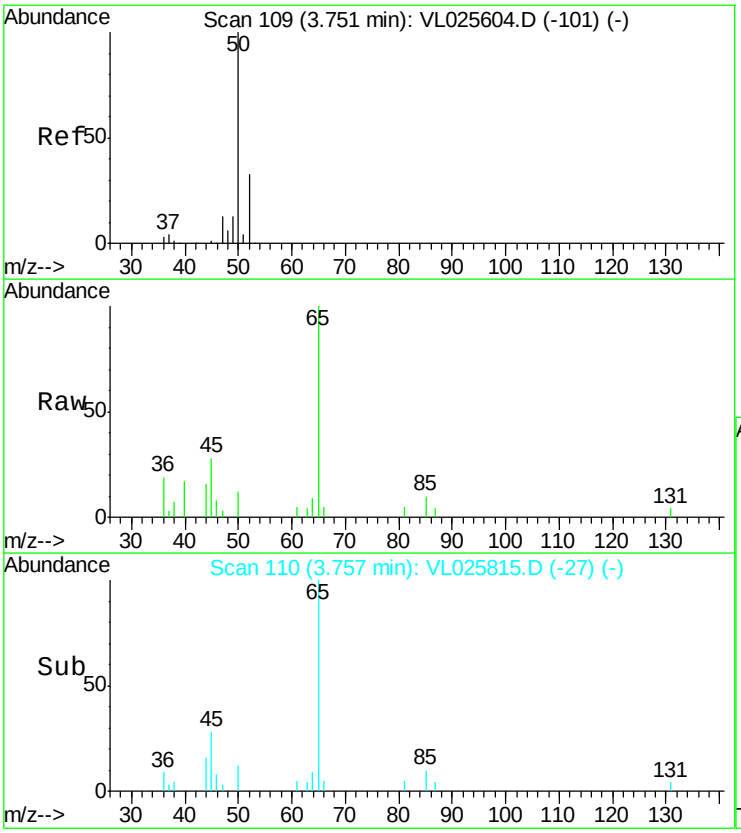
#3
Chlorodifluoromethane
Concen: 0.60 ppbv
RT: 3.55 min Scan# 76
Delta R.T. -0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 51 Resp: 62678

Ion	Ratio	Lower	Upper
51	100		
67	2.2	19.5	29.3#

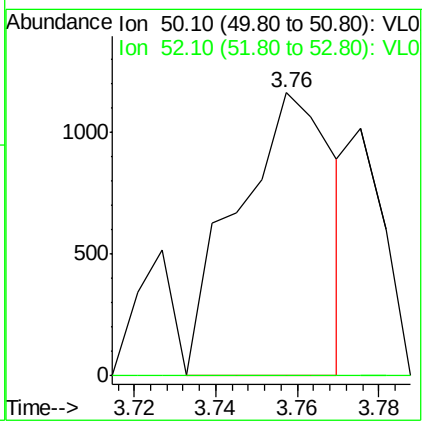


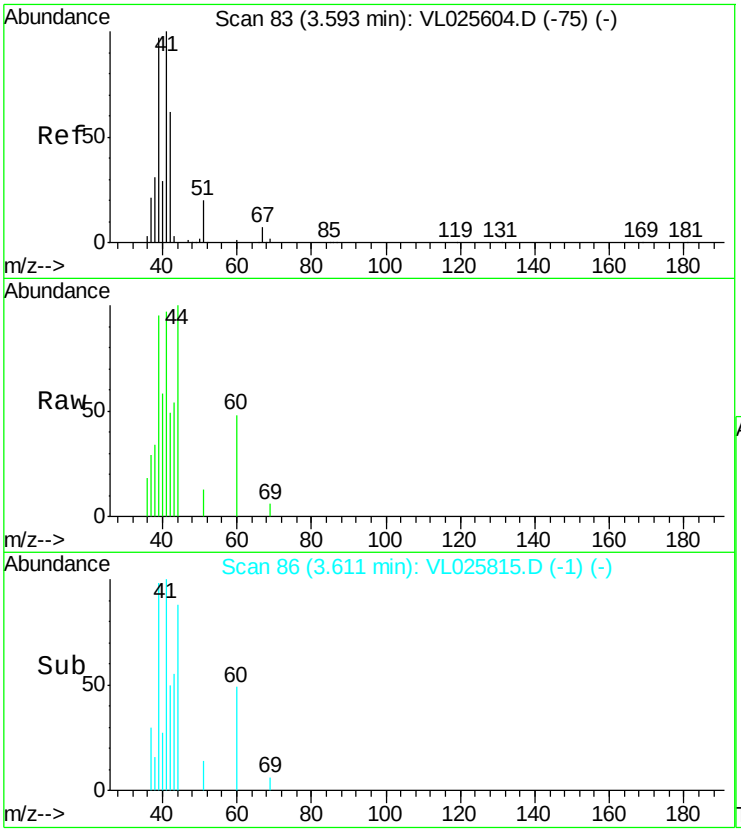


#4
Chloromethane
Concen: 0.04 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 50 Resp: 1906

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.2	39.2#



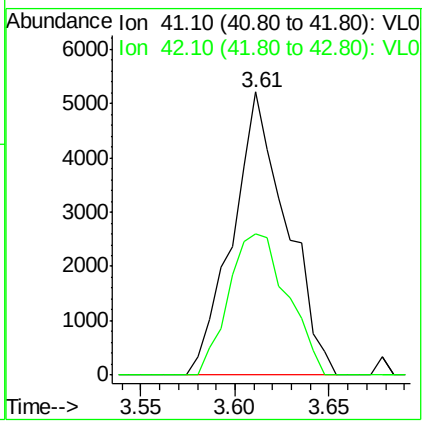


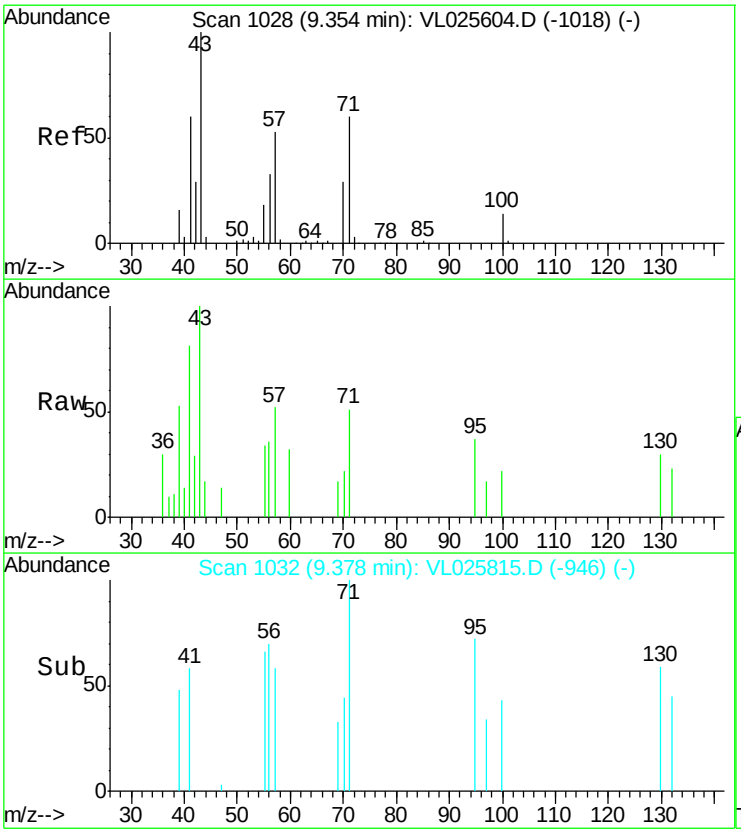
#9
Propene
Concen: 0.30 ppbv
RT: 3.61 min Scan# 86
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 41 Resp: 10345

Ion	Ratio	Lower	Upper
41	100		
42	54.4	52.4	78.6

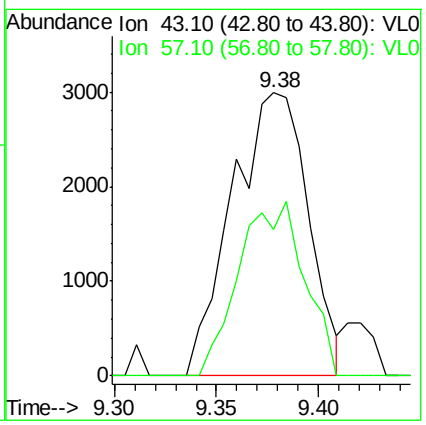


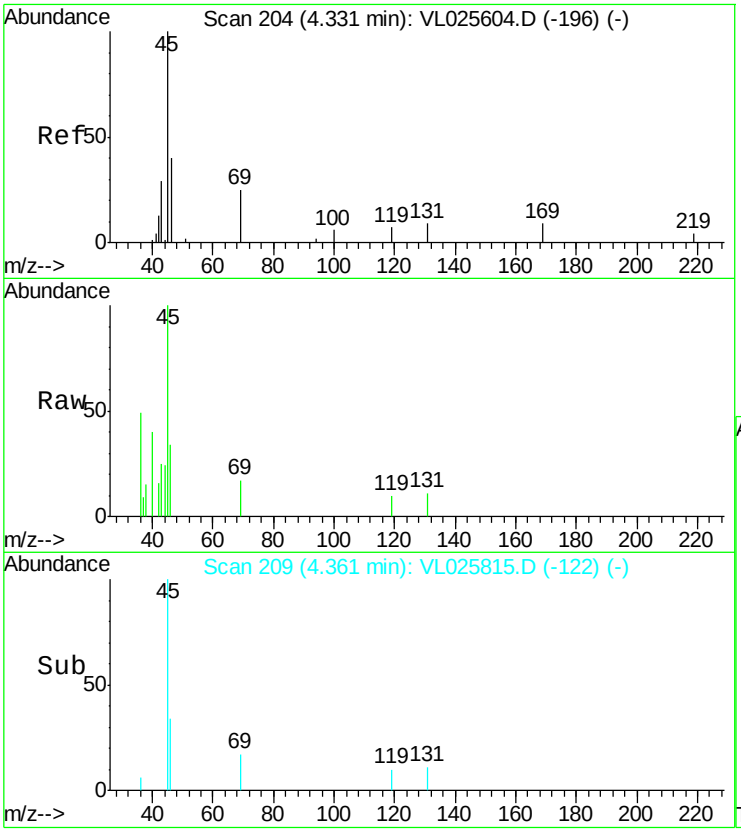


#10
Heptane
Concen: 0.06 ppbv
RT: 9.38 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 43 Resp: 7757

Ion	Ratio	Lower	Upper
43	100		
57	52.9	42.6	64.0



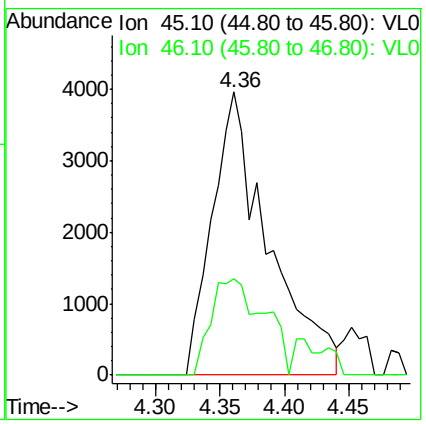


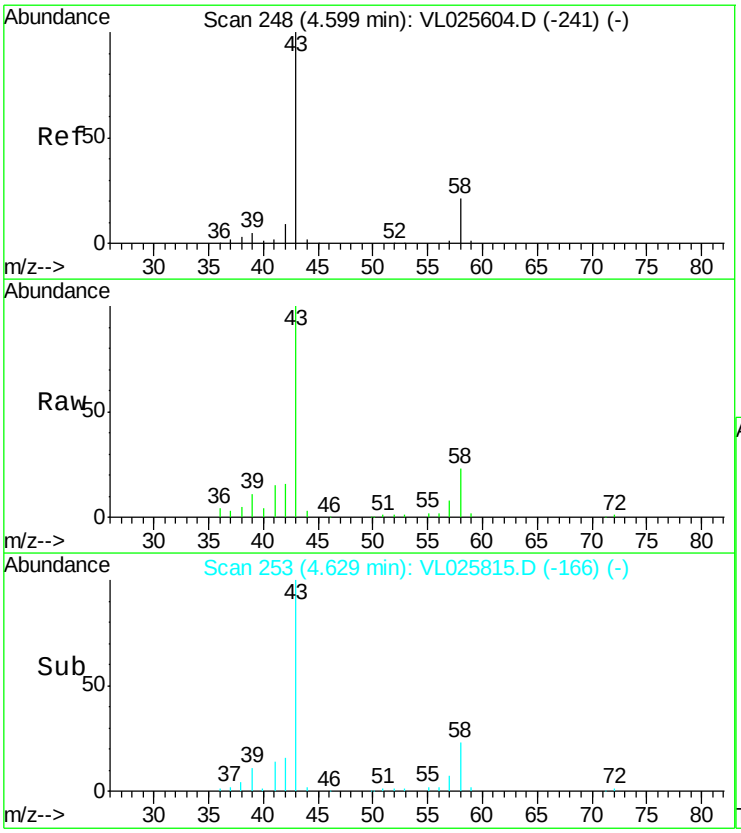
#13
Ethanol
Concen: 2.23 ppbv
RT: 4.36 min Scan# 209
Delta R.T. 0.03 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 45 Resp: 12015

Ion	Ratio	Lower	Upper
45	100		
46	39.2	16.0	64.0

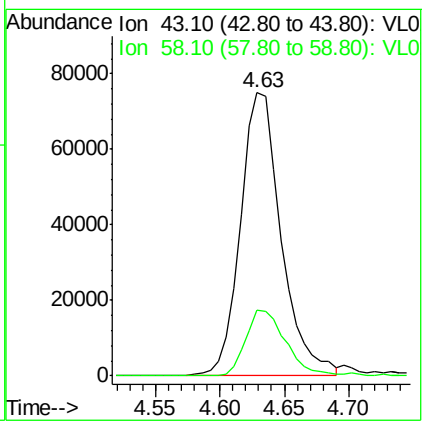


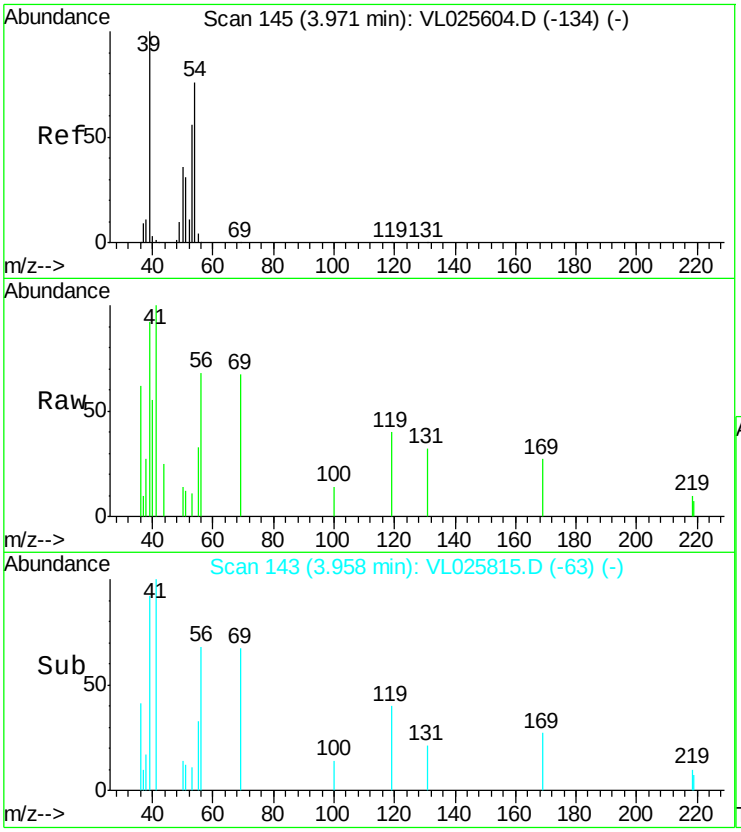


#15
Acetone
Concen: 1.26 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.03 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 43 Resp: 164435

Ion	Ratio	Lower	Upper
43	100		
58	23.1	17.2	25.8



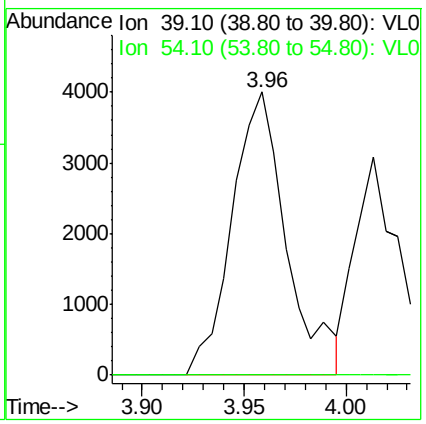


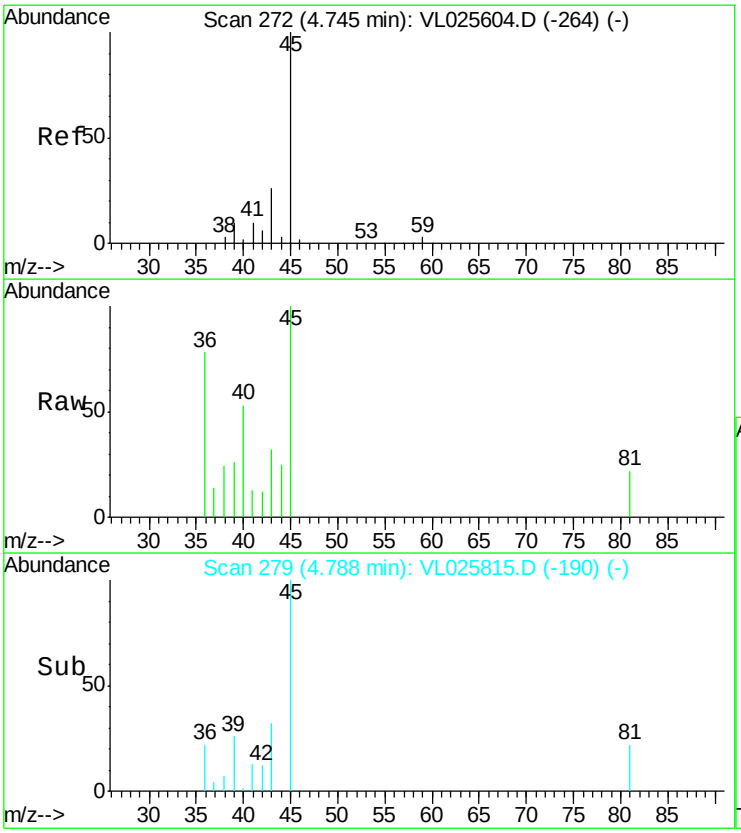
#16
1,3-Butadiene
Concen: 0.14 ppbv
RT: 3.96 min Scan# 143
Delta R.T. -0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 39 Resp: 7444

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.3	88.9#

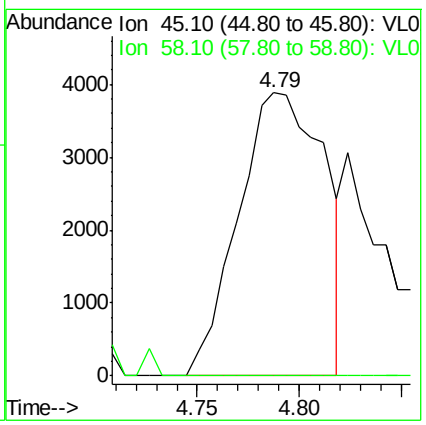


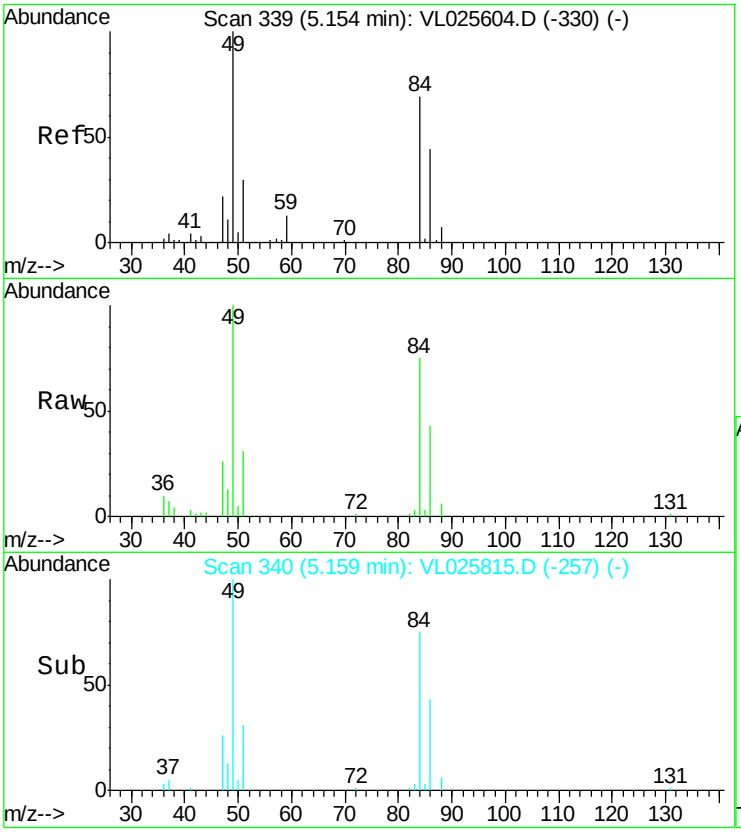


#19
Isopropyl Alcohol
Concen: 0.22 ppbv
RT: 4.79 min Scan# 279
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 45 Resp: 11396

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.1	1.7#



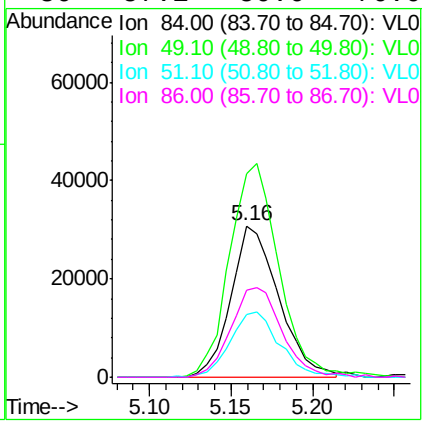


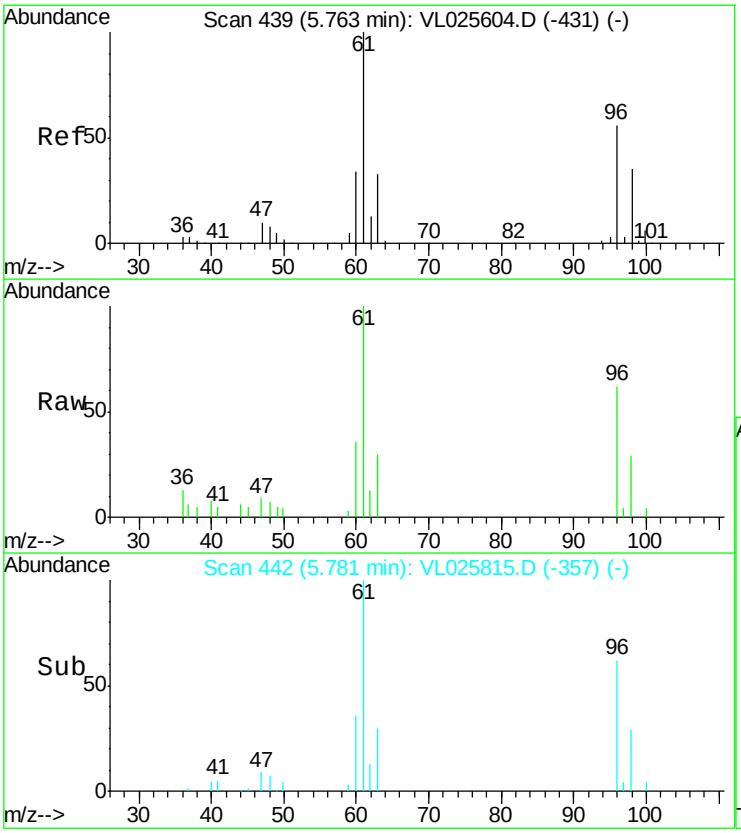
#20
Methylene Chloride
Concen: 1.18 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 84 Resp: 62599

Ion	Ratio	Lower	Upper
84	100		
49	133.1	115.2	172.8
51	41.7	35.0	52.6
86	57.1	50.6	76.0

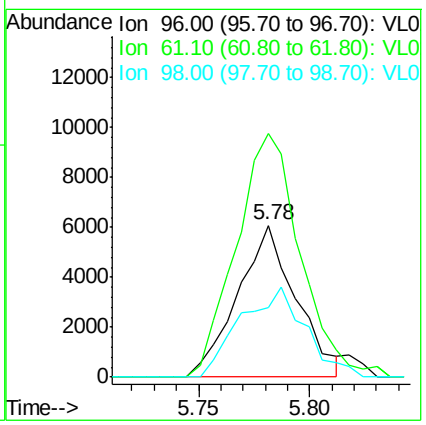


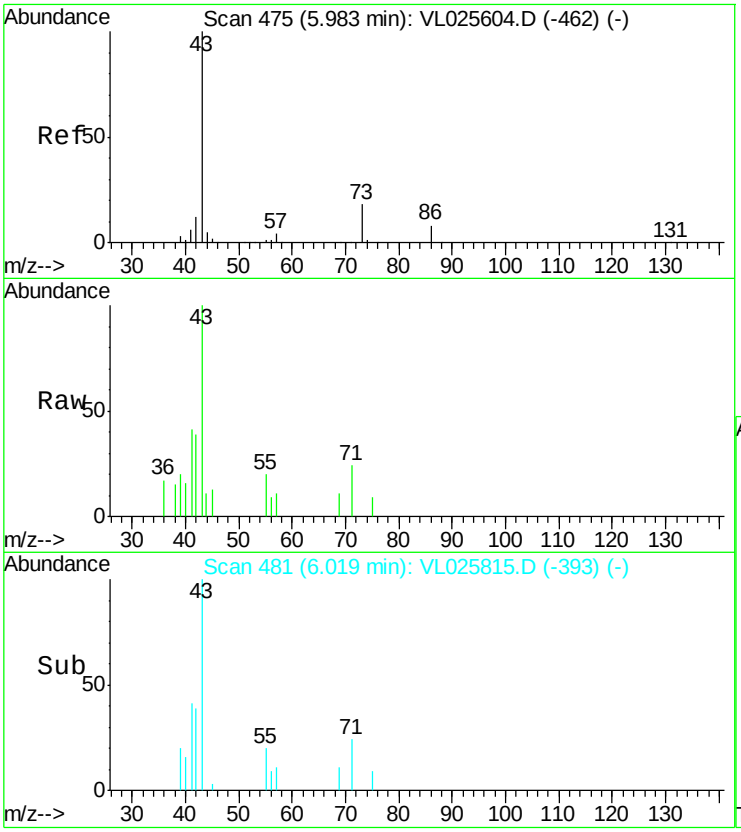


#22
trans-1,2-Dichloroethene
Concen: 0.20 ppbv
RT: 5.78 min Scan# 442
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 96 Resp: 11077

Ion	Ratio	Lower	Upper
96	100		
61	160.8	141.8	212.6
98	46.0	49.0	73.6#



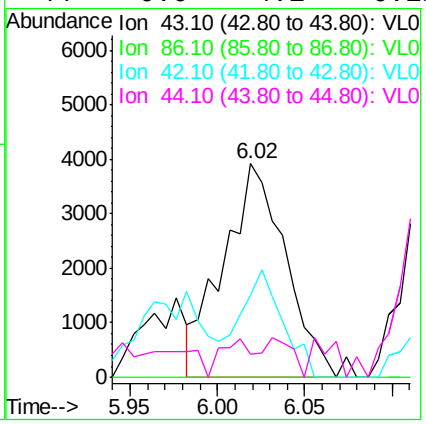


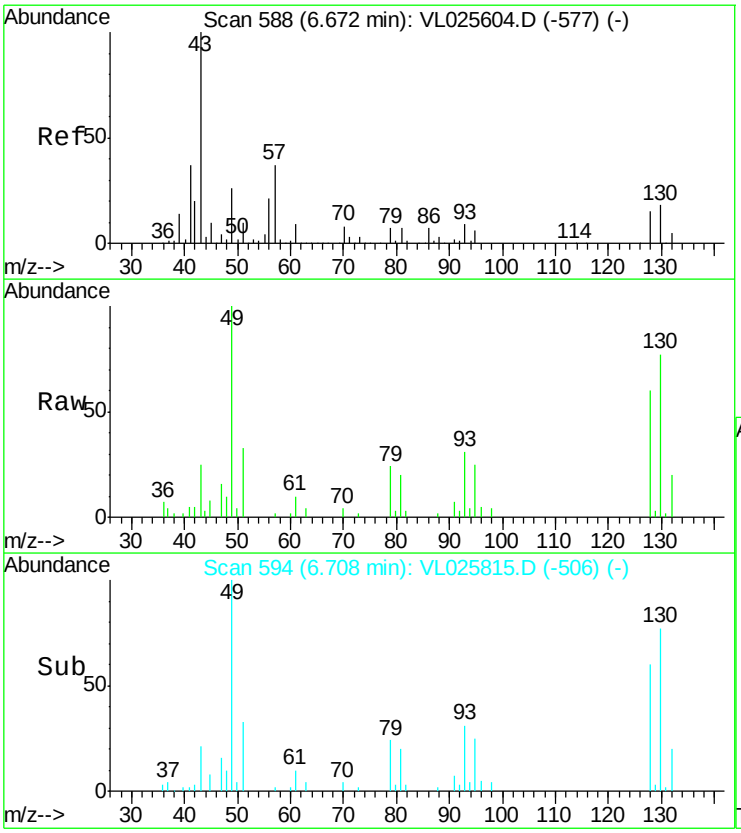
#23
Vinyl Acetate
Concen: 0.05 ppbv
RT: 6.02 min Scan# 481
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 43 Resp: 9647

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.7	10.1#
42	38.5	9.8	14.6#
44	0.0	4.1	6.1#

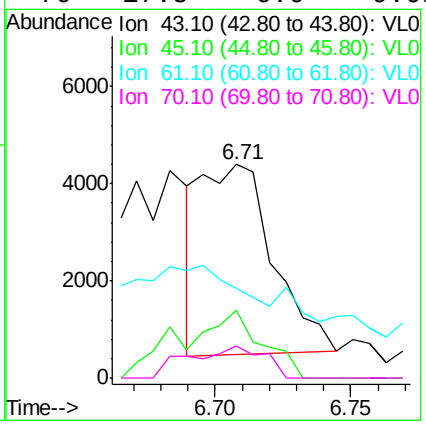


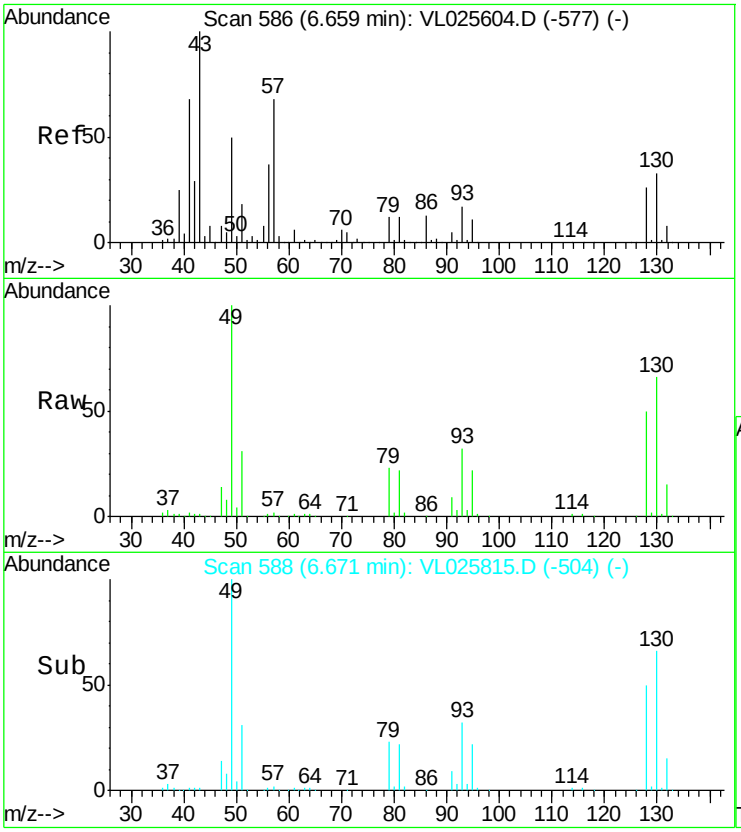


#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 43 Resp: 7177

Ion	Ratio	Lower	Upper
43	100		
45	40.0	7.5	11.3#
61	0.0	6.6	10.0#
70	17.5	6.0	9.0#



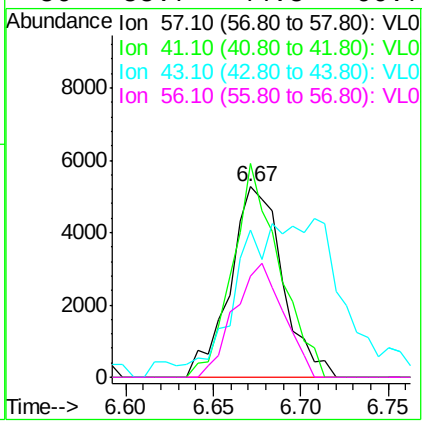


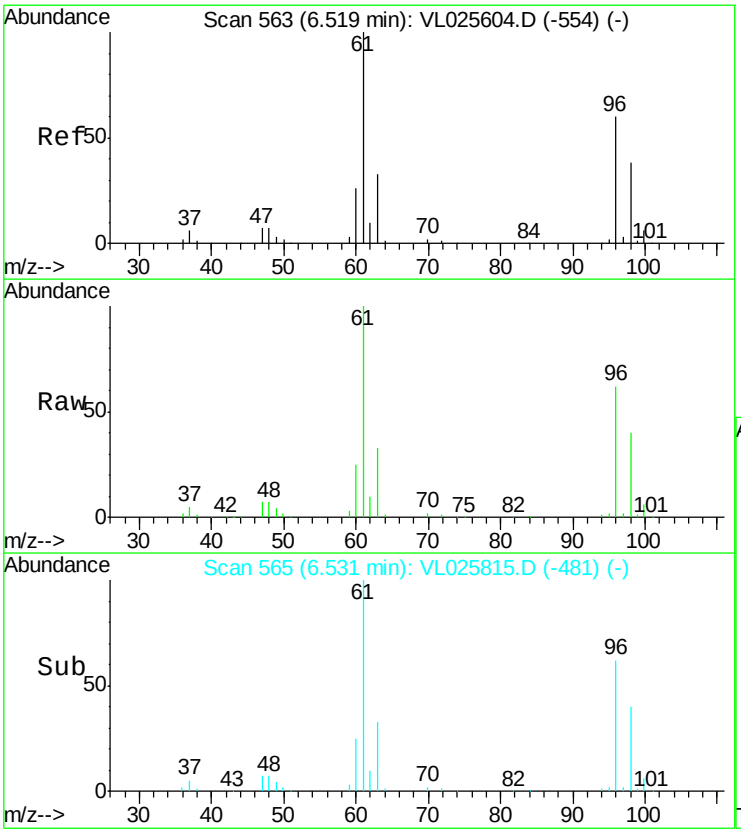
#26
Hexane
Concen: 0.12 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 57 Resp: 11058

Ion	Ratio	Lower	Upper
57	100		
41	99.8	81.4	122.2
43	180.1	171.4	257.2
56	55.7	44.5	66.7

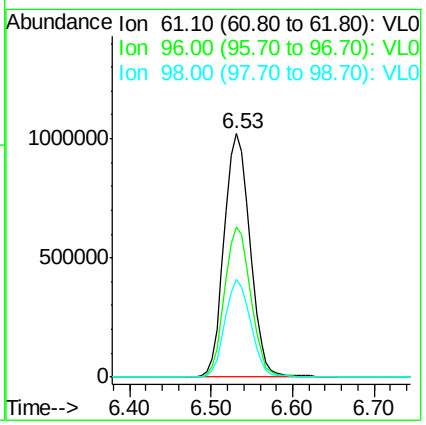


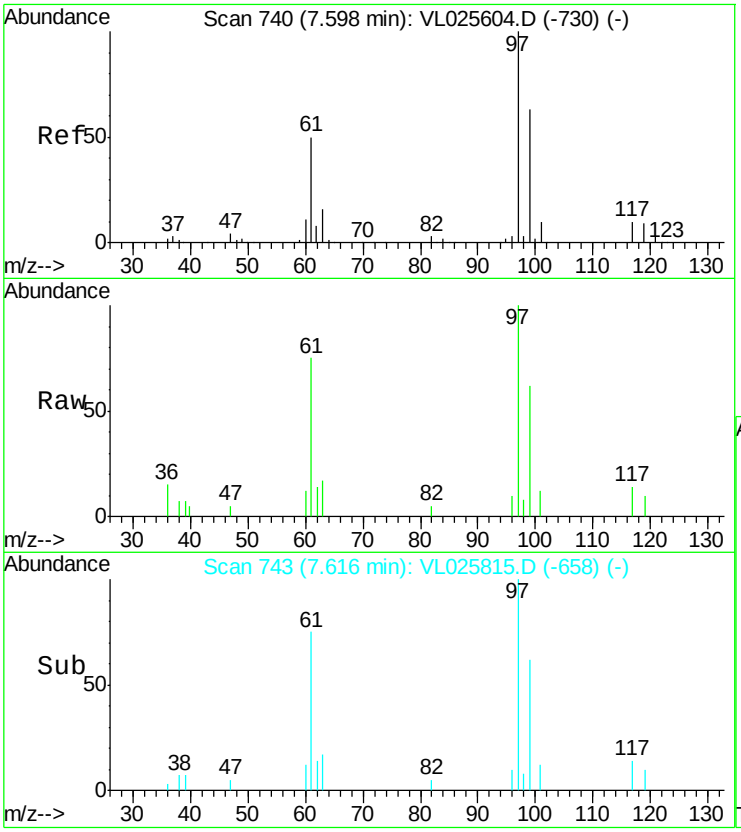


#31
cis-1,2-Dichloroethene
Concen: 24.29 ppbv
RT: 6.53 min Scan# 565
Delta R.T. 0.01 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 61 Resp: 2245772

Ion	Ratio	Lower	Upper
61	100		
96	61.7	48.1	72.1
98	40.1	30.7	46.1



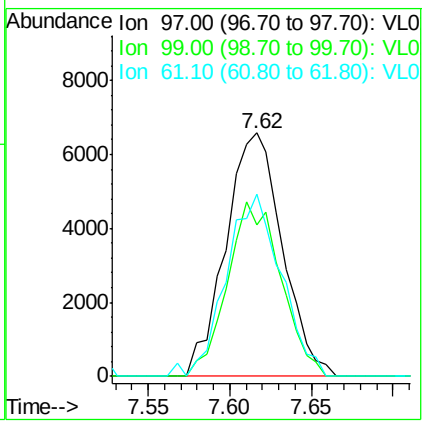


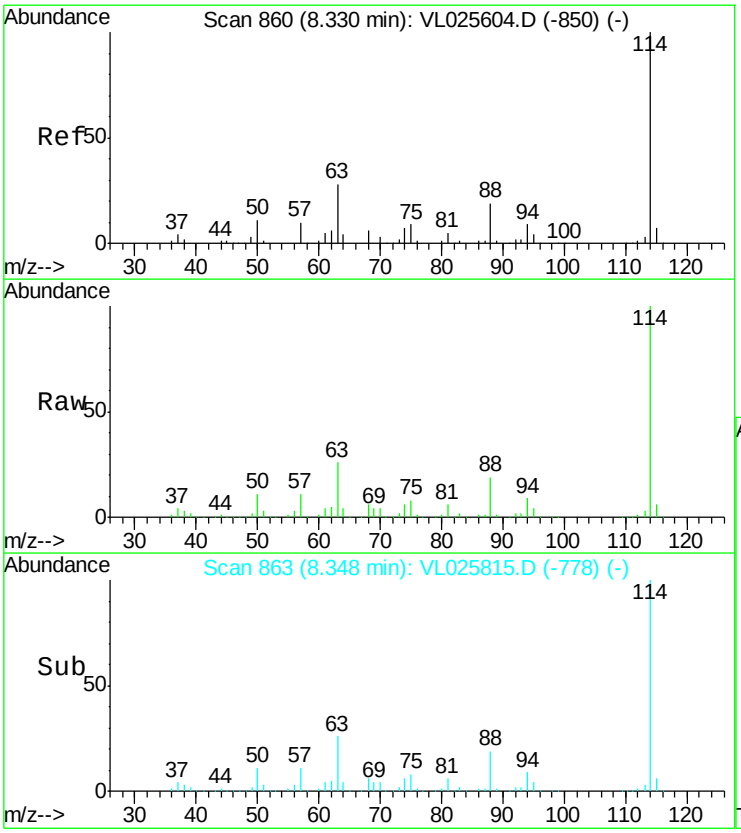
#32
1,1,1-Trichloroethane
Concen: 0.08 ppbv
RT: 7.62 min Scan# 743
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 97 Resp: 15882

Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.2	76.8
61	72.6	40.4	60.6#

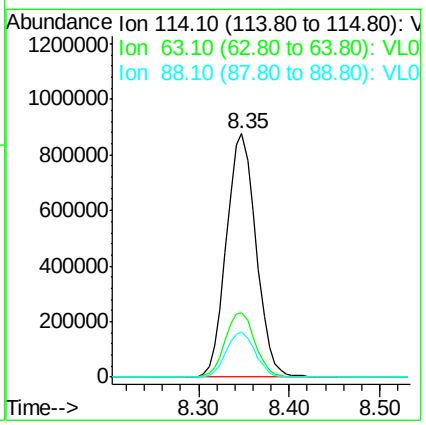


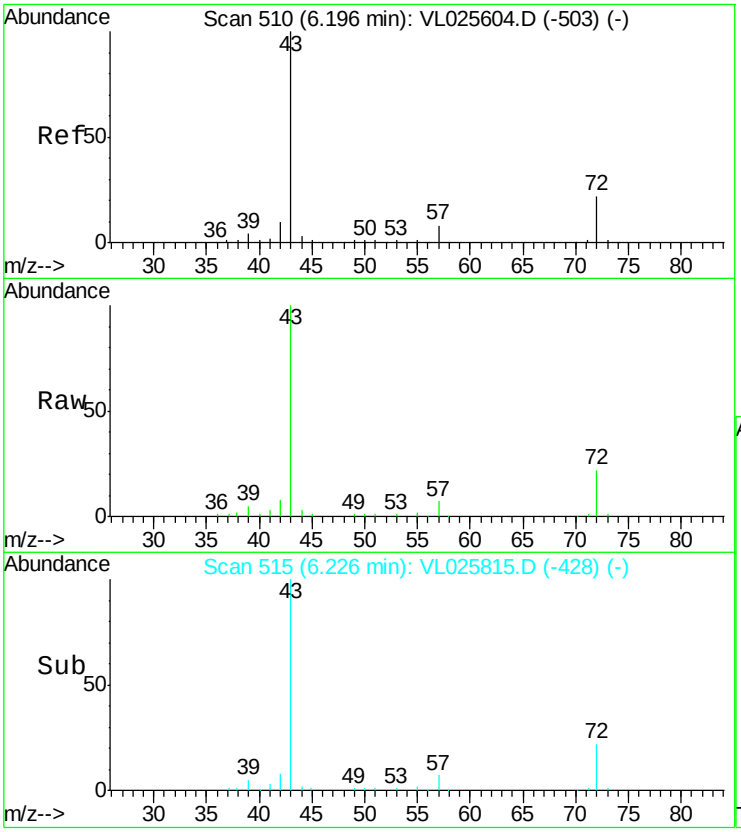


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 863
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:114 Resp: 1994099

Ion	Ratio	Lower	Upper
114	100		
63	26.7	22.4	33.6
88	18.4	15.0	22.4



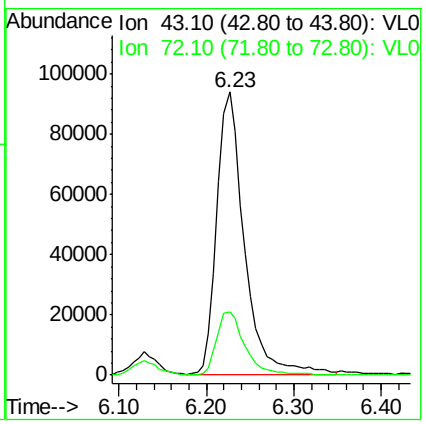


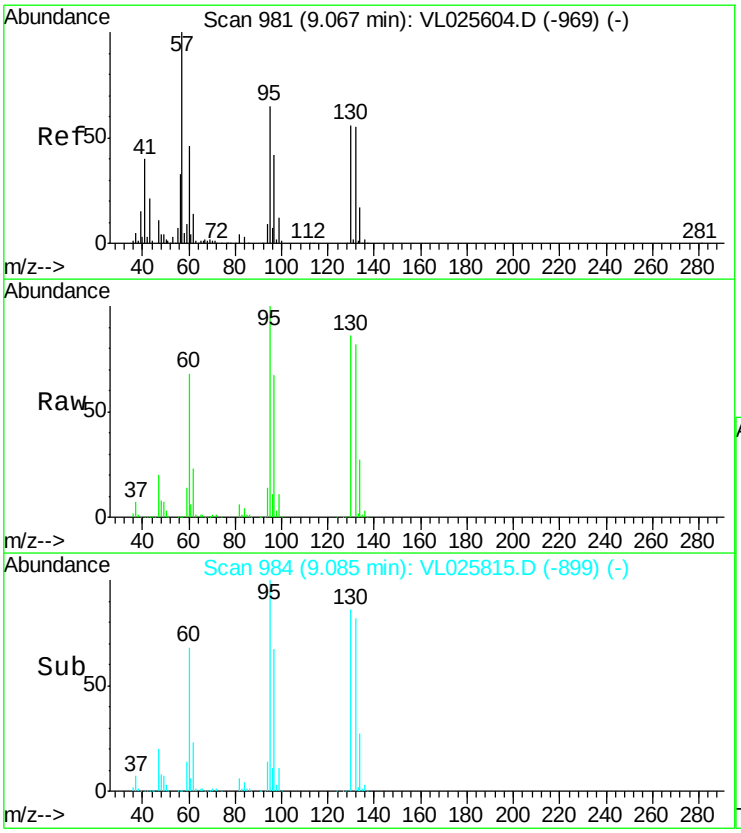
#34
2-Butanone
Concen: 1.83 ppbv
RT: 6.23 min Scan# 515
Delta R.T. 0.03 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 43 Resp: 207504

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0

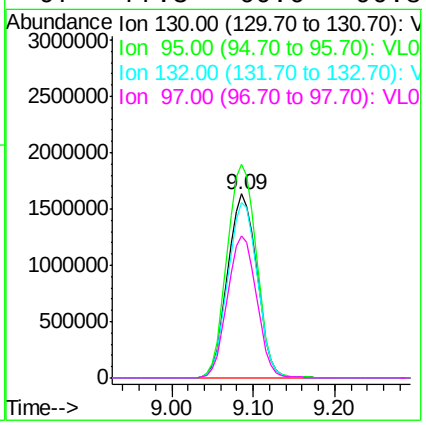


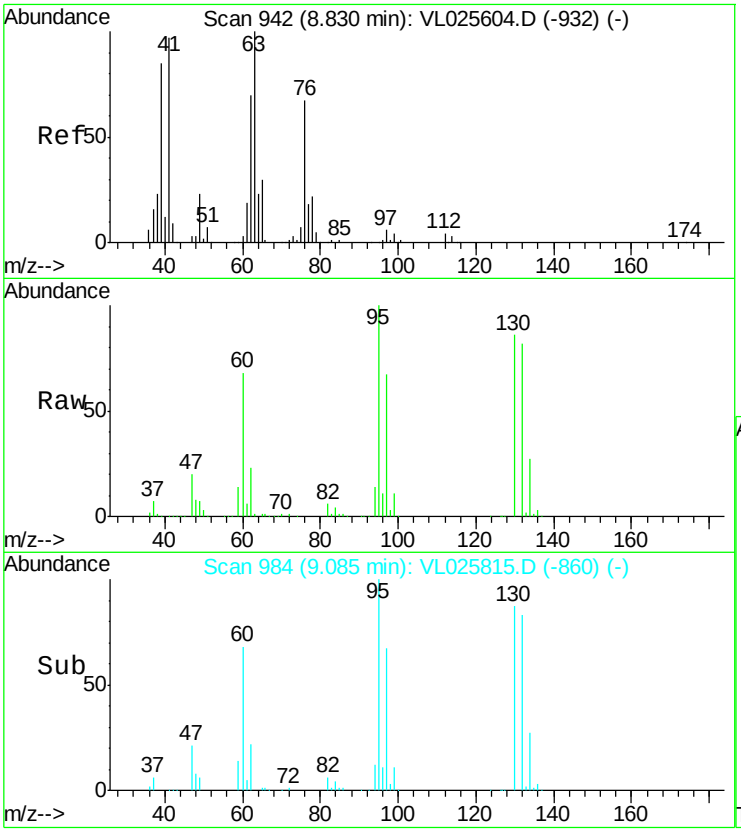


#38
Trichloroethene
Concen: 45.72 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:130 Resp: 4059740

Ion	Ratio	Lower	Upper
130	100		
95	116.2	94.2	141.4
132	95.3	78.6	118.0
97	77.3	60.6	90.8



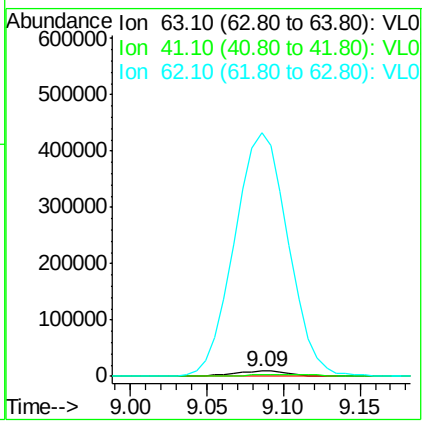


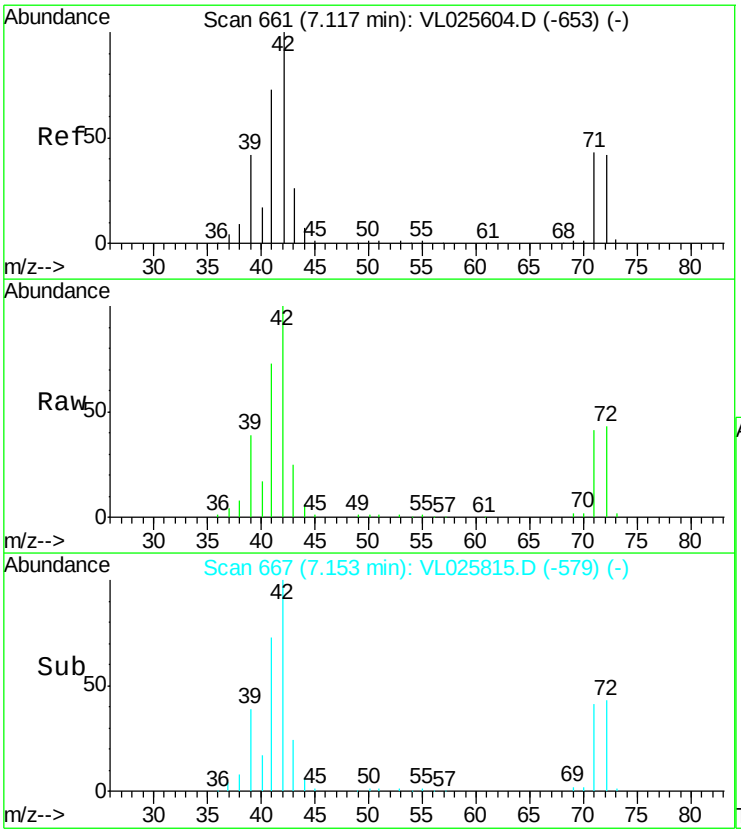
#39
1,2-Dichloropropane
Concen: 0.32 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.26 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 63 Resp: 22855

Ion	Ratio	Lower	Upper
63	100		
41	22.9	78.0	117.0#
62	4454.7	55.7	83.5#

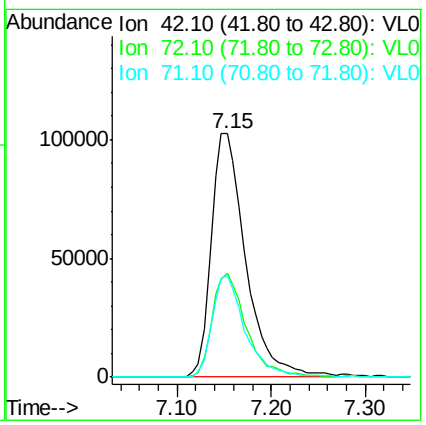


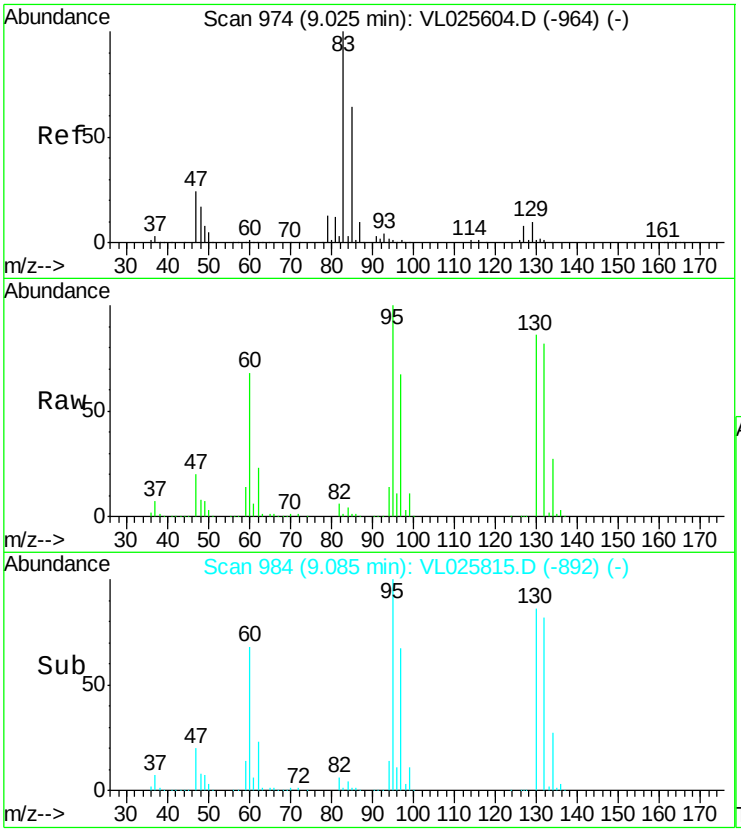


#41
Tetrahydrofuran
Concen: 4.62 ppbv
RT: 7.15 min Scan# 667
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 42 Resp: 260676

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	40.8	33.0	49.6



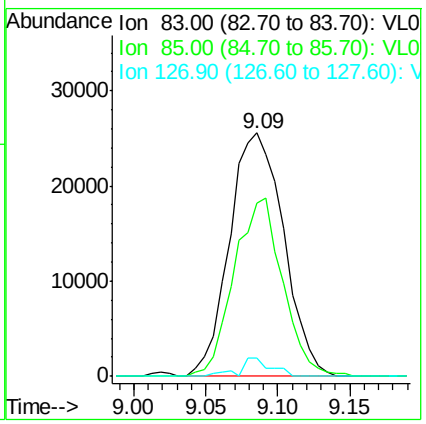


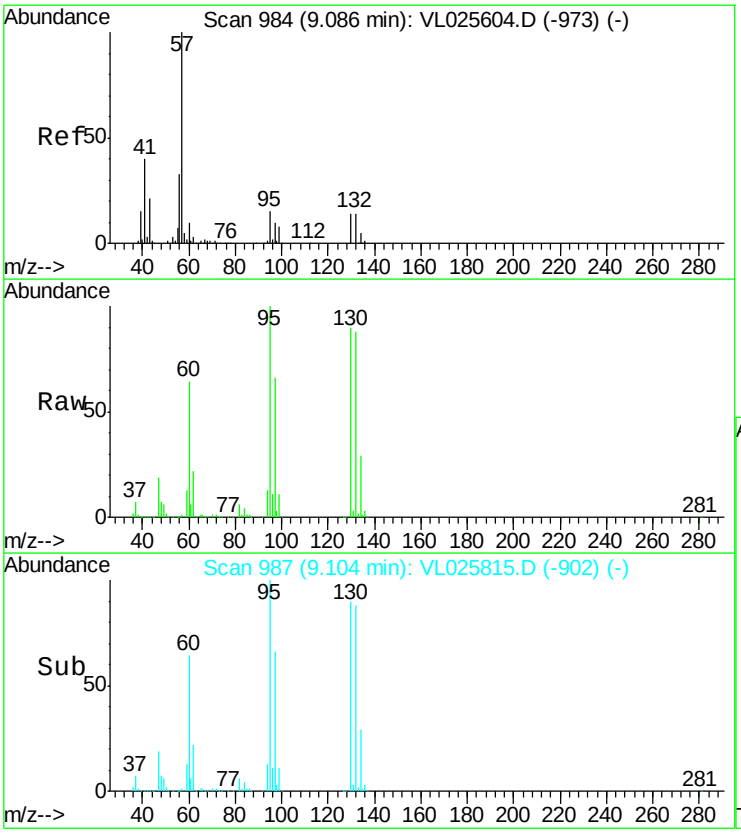
#42
Bromodichloromethane
Concen: 0.34 ppbv
RT: 9.09 min Scan# 984
Delta R.T. 0.06 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 83 Resp: 66786

Ion	Ratio	Lower	Upper
83	100		
85	71.2	51.3	76.9
127	7.5	6.0	9.0

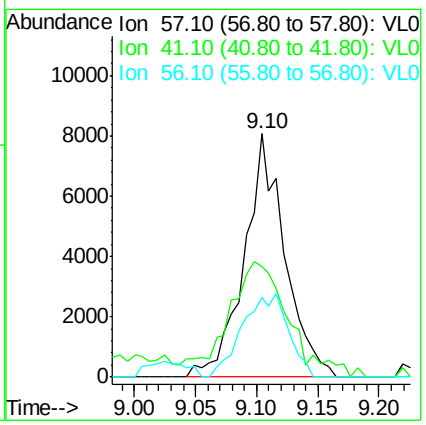


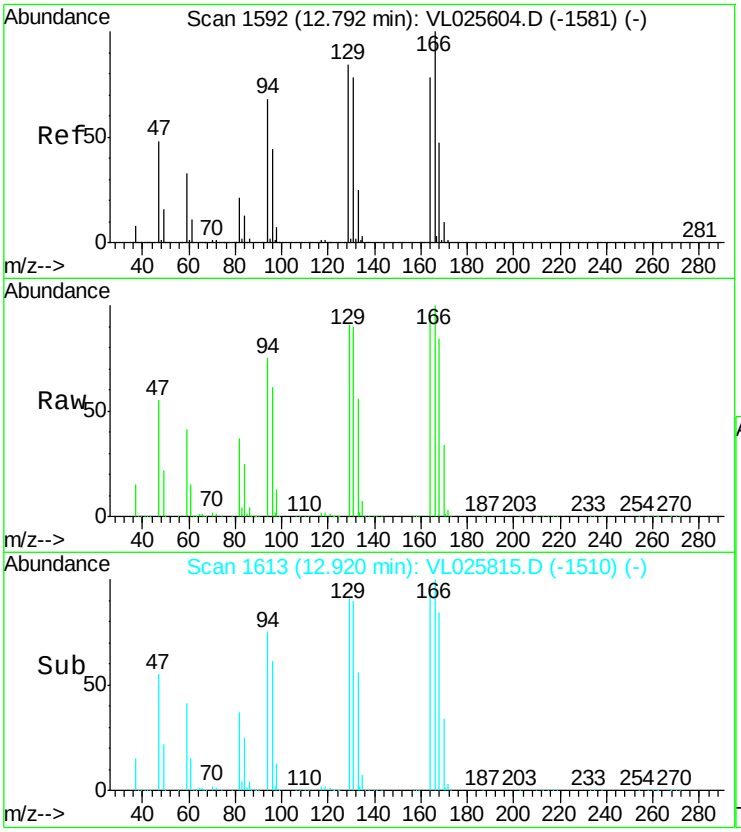


#44
2,2,4-Trimethylpentane
Concen: 0.06 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 57 Resp: 18595

Ion	Ratio	Lower	Upper
57	100		
41	70.4	31.2	46.8#
56	38.8	25.4	38.2#



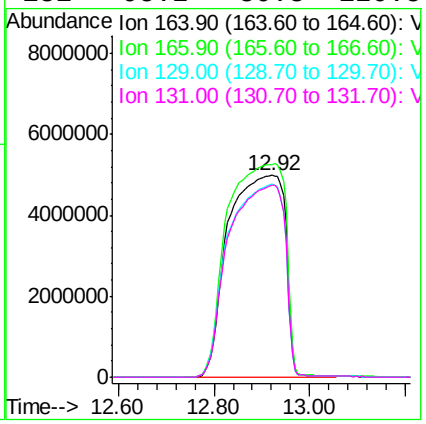


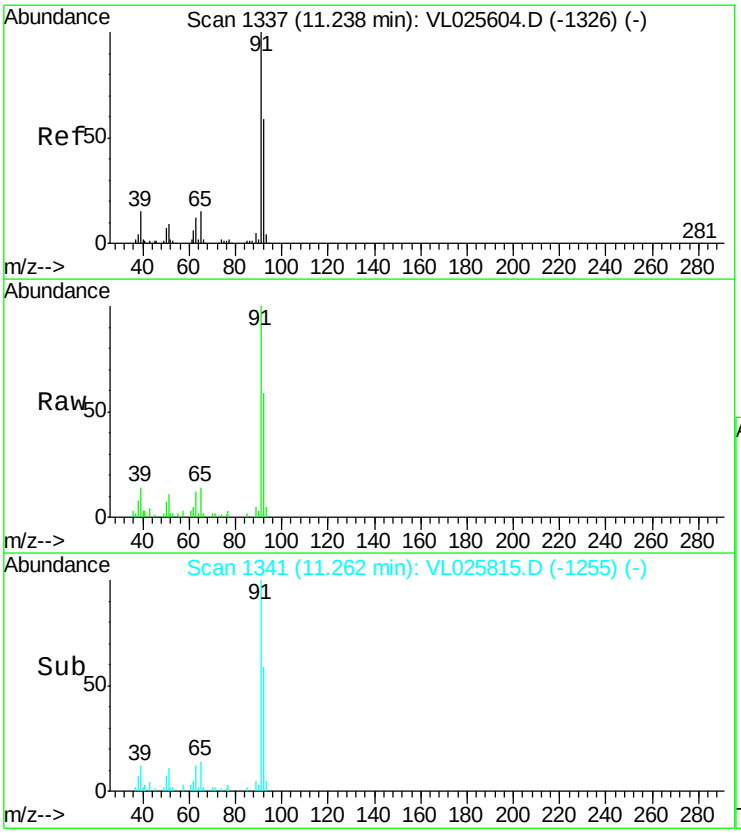
#52
Tetrachloroethene
Concen: 425.89 ppbv
RT: 12.92 min Scan# 1613
Delta R.T. 0.13 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion:164 Resp:40794237

Ion	Ratio	Lower	Upper
164	100		
166	105.4	102.3	153.5
129	95.6	86.2	129.4
131	95.2	80.3	120.5

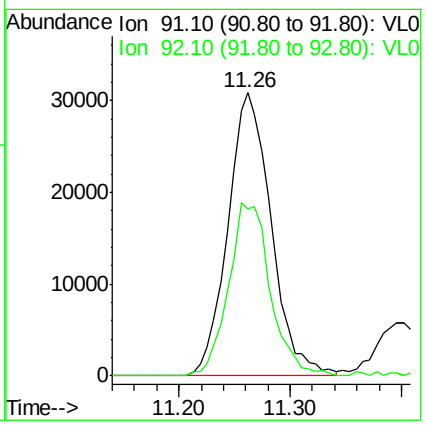


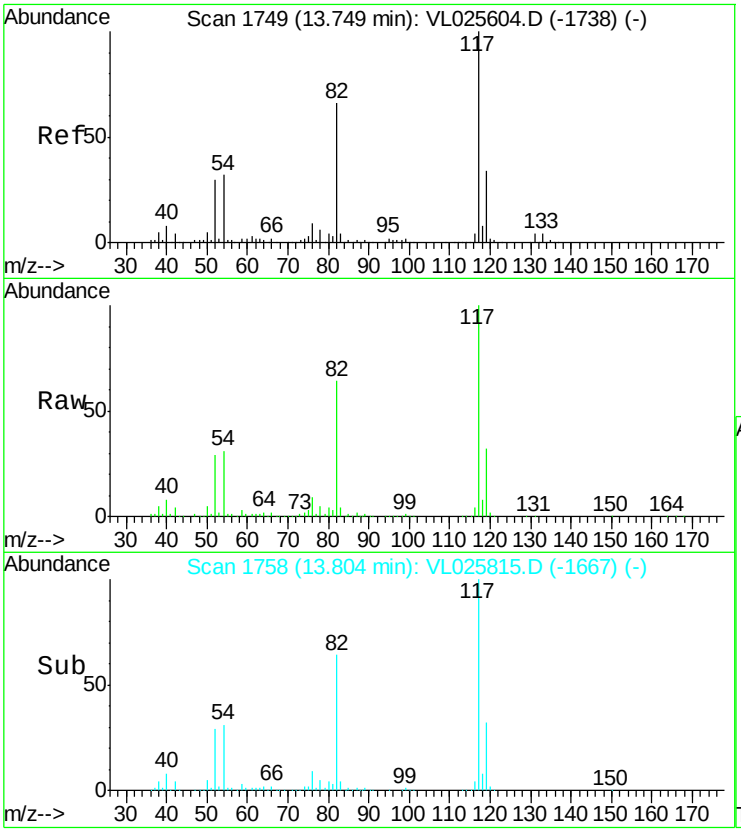


#53
Toluene
Concen: 0.31 ppbv
RT: 11.26 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 91 Resp: 83226

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.2



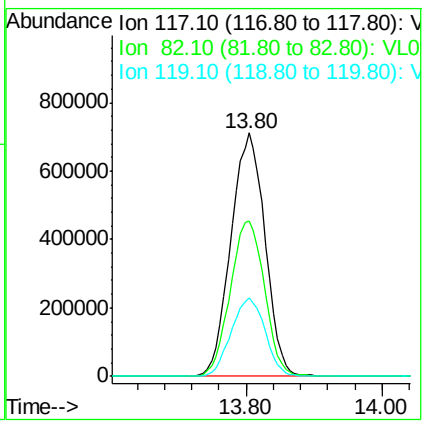


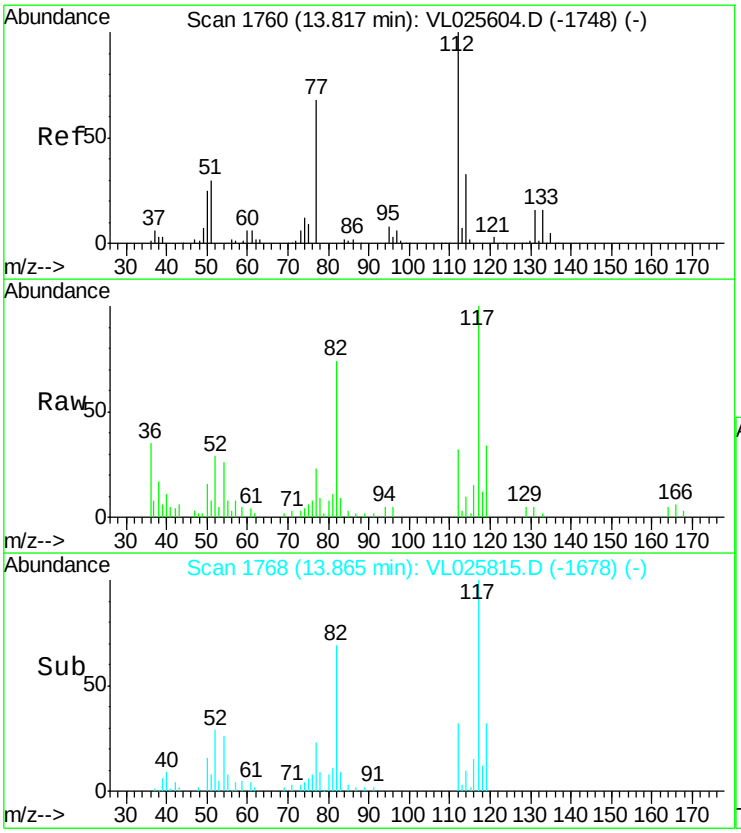
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. 0.05 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion:117 Resp: 2481510

Ion	Ratio	Lower	Upper
117	100		
82	64.4	50.5	75.7
119	32.2	45.1	67.7#

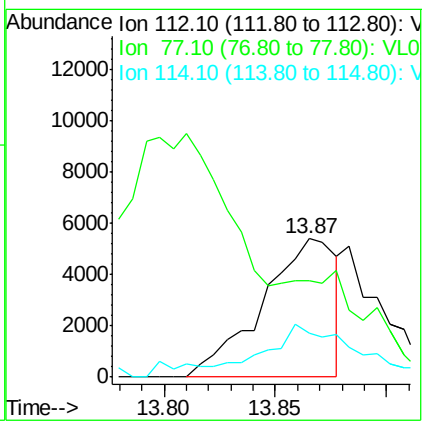


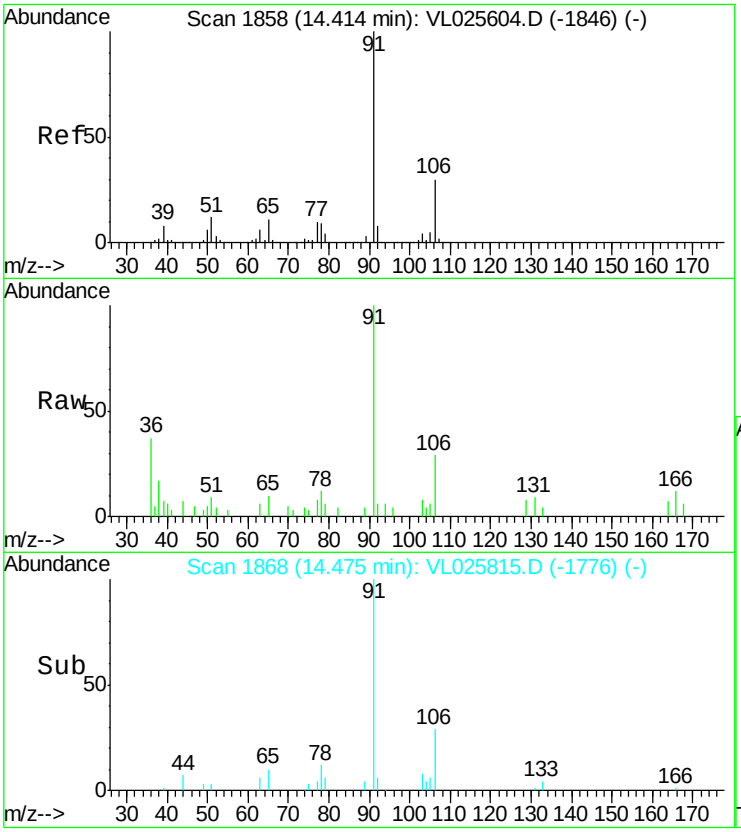


#57
Chlorobenzene
Concen: 0.05 ppbv
RT: 13.87 min Scan# 1768
Delta R.T. 0.05 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:112 Resp: 12480

Ion	Ratio	Lower	Upper
112	100		
77	0.0	55.2	82.8#
114	22.5	29.4	36.0#



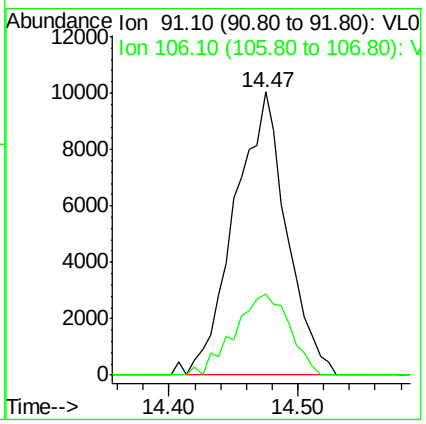


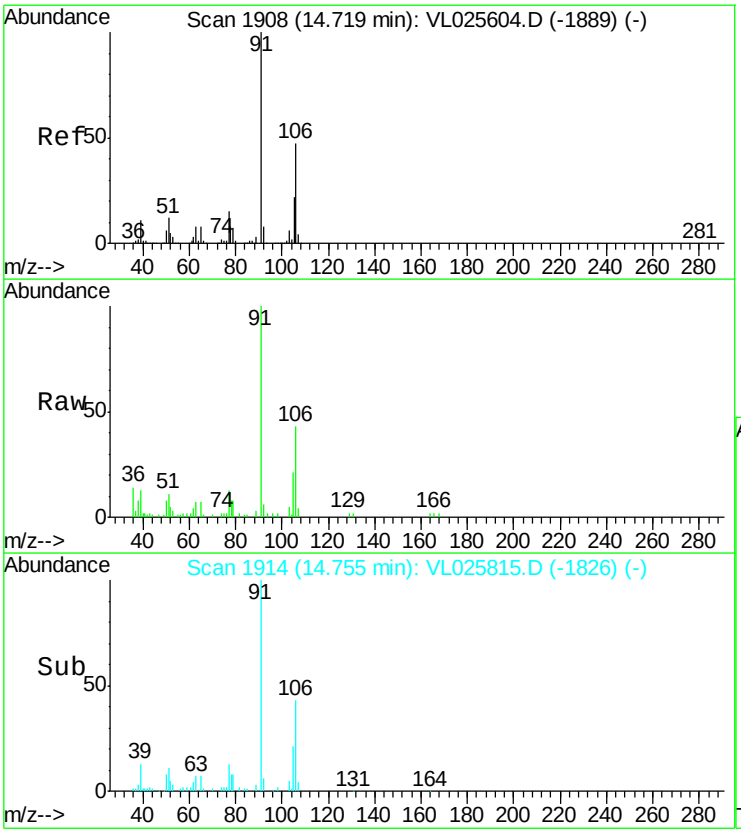
#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 14.47 min Scan# 1868
Delta R.T. 0.06 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 91 Resp: 28026

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.2	36.2

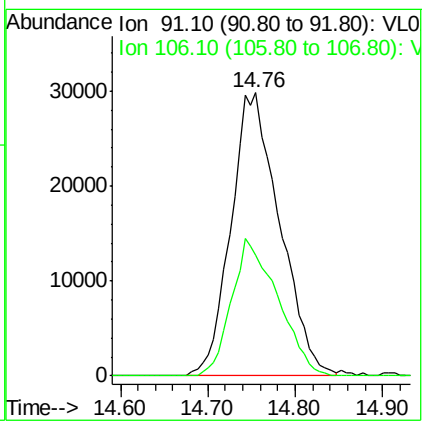


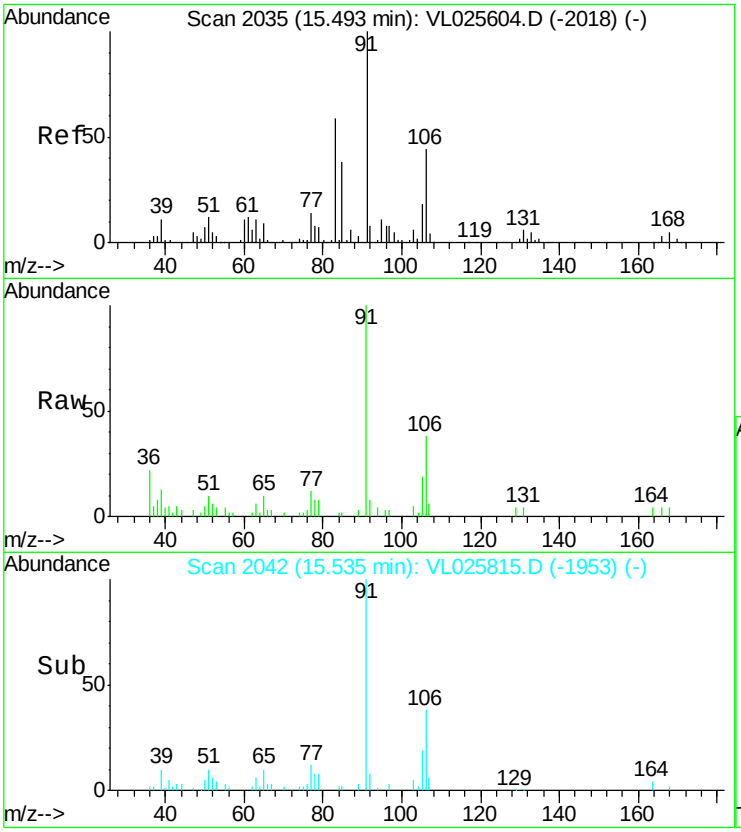


#59
m/p-Xylene
Concen: 0.32 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 91 Resp: 115545

Ion	Ratio	Lower	Upper
91	100		
106	45.8	37.9	56.9



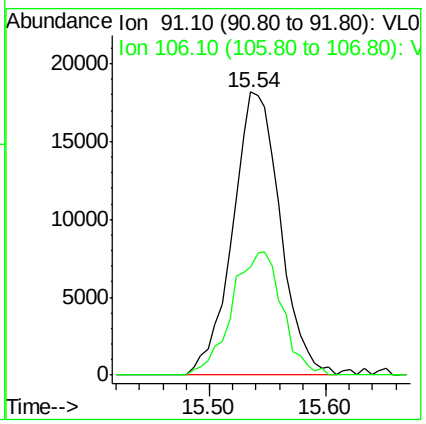


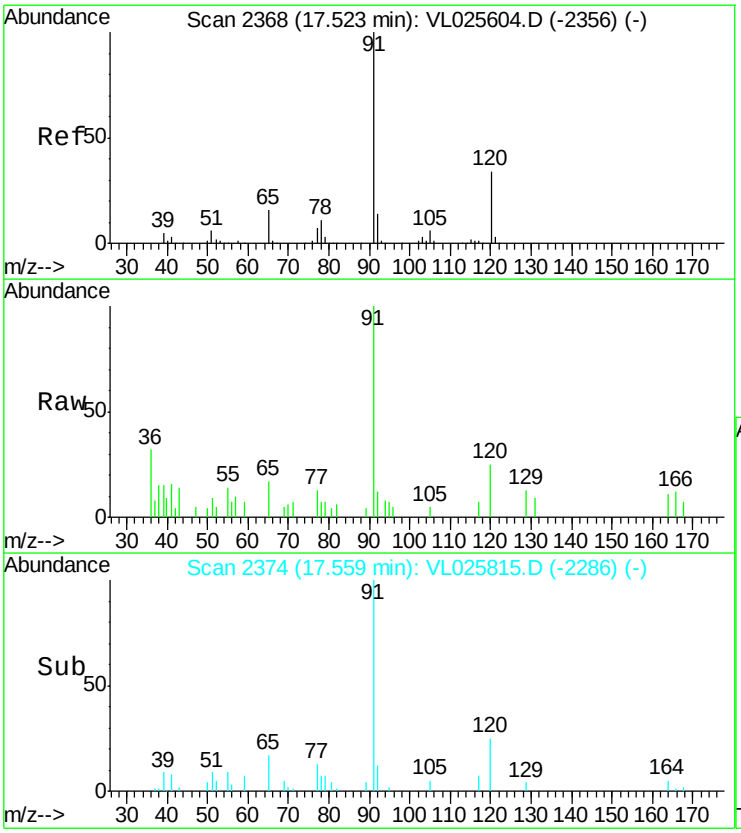
#60
o-Xylene
Concen: 0.13 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 91 Resp: 51659

Ion	Ratio	Lower	Upper
91	100		
106	45.9	22.1	66.1

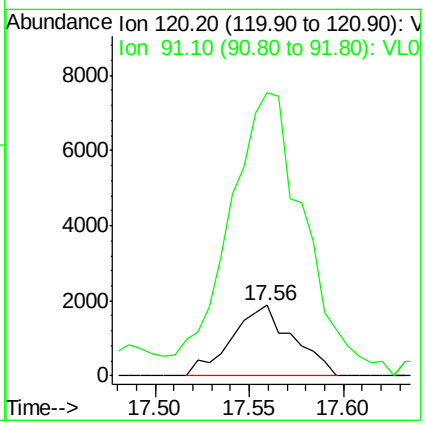


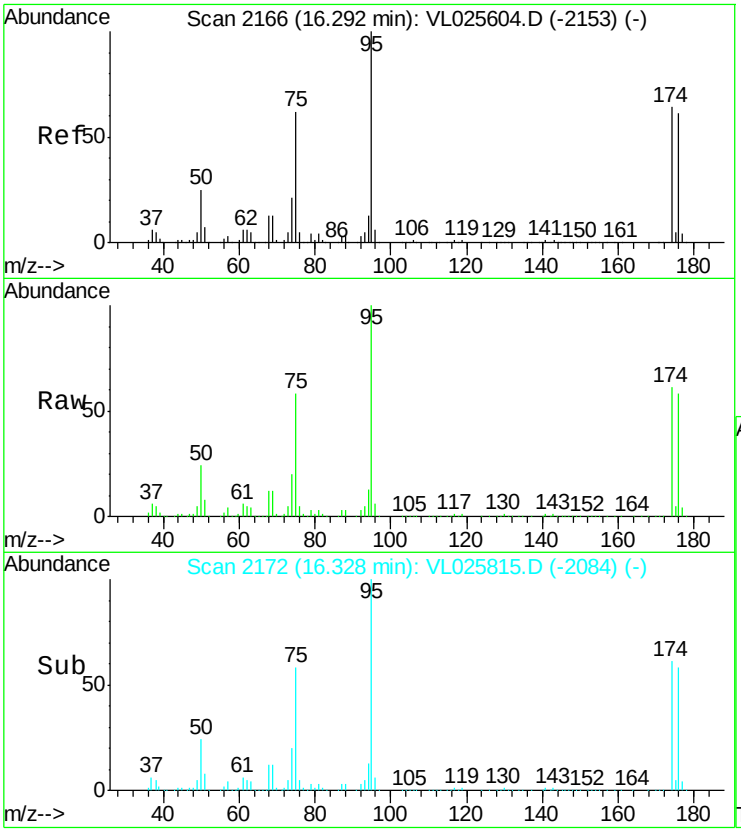


#64
n-propylbenzene
Concen: 0.03 ppbv
RT: 17.56 min Scan# 2374
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:120 Resp: 4229

Ion	Ratio	Lower	Upper
120	100		
91	596.5	370.5	555.7#



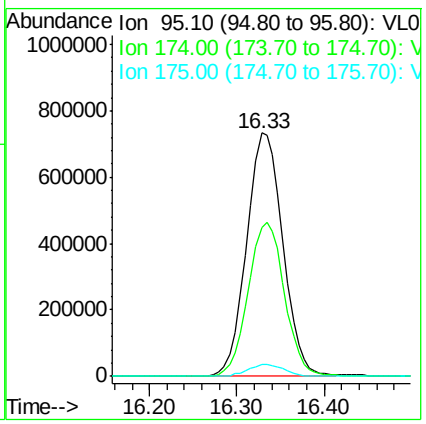


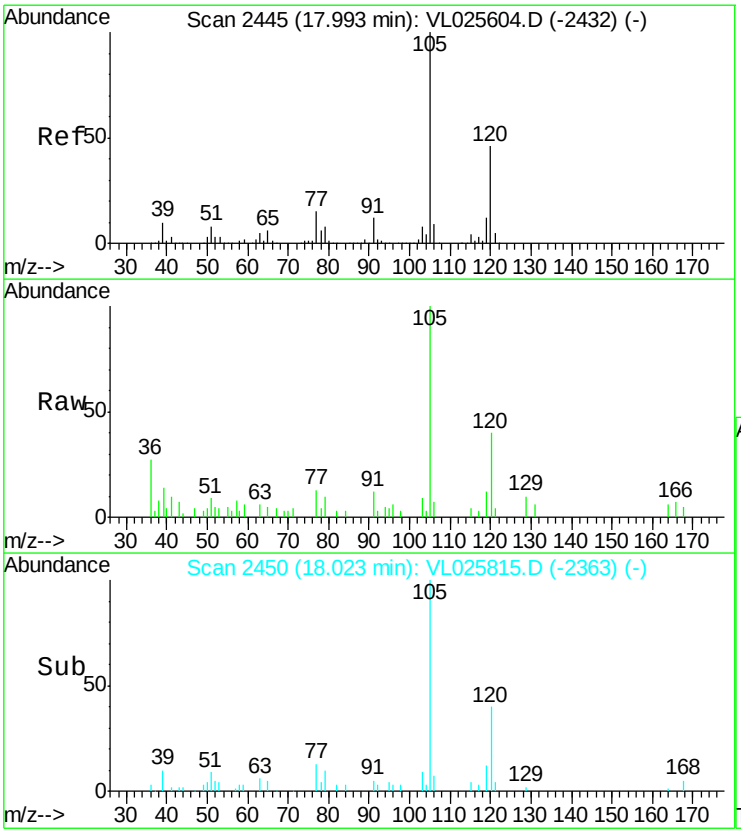
#68
1-Bromo-4-Fluorobenzene
Concen: 10.11 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion: 95 Resp: 2115468

Ion	Ratio	Lower	Upper
95	100		
174	63.7	52.0	78.0
175	5.0	3.9	5.9

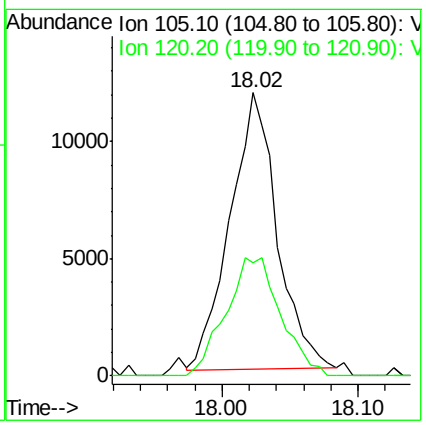


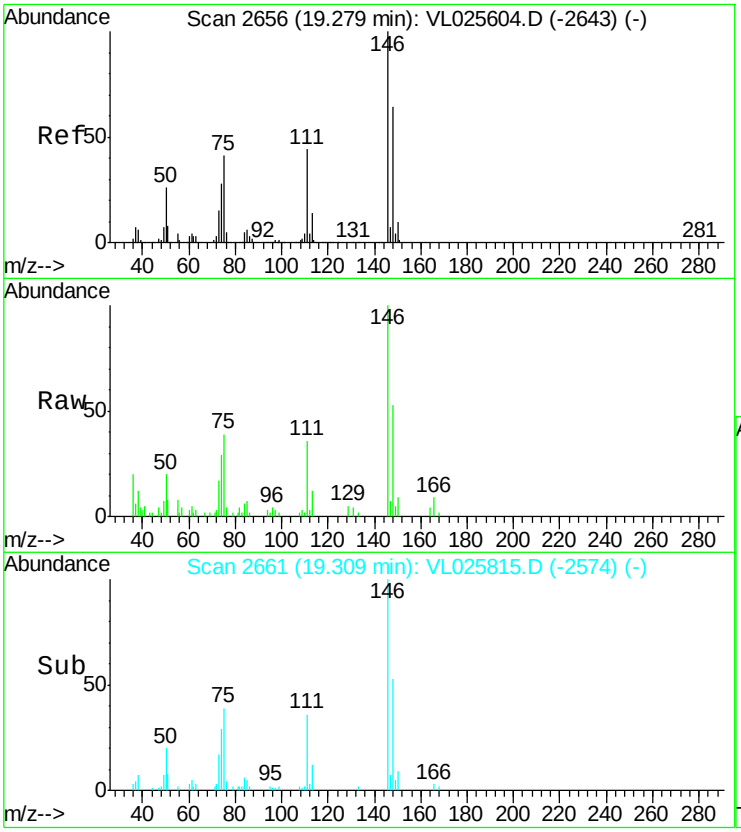


#73
1,3,5-Trimethylbenzene
Concen: 0.07 ppbv
RT: 18.02 min Scan# 2450
Delta R.T. 0.03 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:105 Resp: 28567

Ion	Ratio	Lower	Upper
105	100		
120	41.2	37.0	55.4



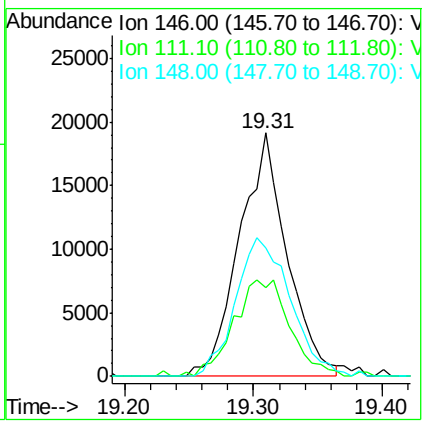


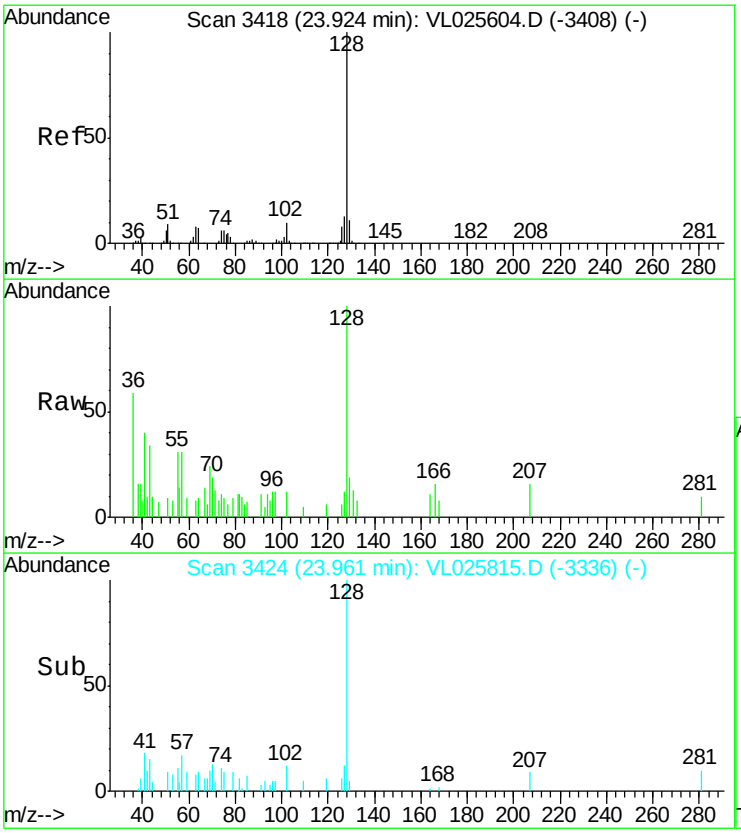
#76
1,4-Dichlorobenzene
Concen: 0.16 ppbv
RT: 19.31 min Scan# 2661
Delta R.T. 0.03 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument : MSVOA_L
ClientSampleId : INFLUENTDL

Tgt Ion:146 Resp: 48887

Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.1	66.1
148	66.0	31.9	95.9





#79
Naphthalene
Concen: 0.03 ppbv
RT: 23.96 min Scan# 3424
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion:128 Resp: 14670

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.2	9.0	13.4