Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025770.D
Acq On : 28 Jul 2015 2:20
Operator : SY/MD
Sample : G3040-09 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DIN46-EFFLUENT-072315

Quant Time: Jul 28 04:13:26 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	6.65	49	799868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	2146694	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2596950	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	2203400	10.06	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.56	51	6915	0.06	ppbv #	81
4) Chloromethane	3.75	50	1566	0.03	ppbv #	77
5) Vinyl Chloride	3.89	62	3301	0.06	ppbv	98
9) Propene	3.59	41	4553	0.12	ppbv #	66
13) Ethanol	4.35	45	597	0.10	ppbv #	35
15) Acetone	4.63	43	100821	0.71	ppbv #	89
16) 1,3-Butadiene	3.94	39	11969	0.21	ppbv #	17
18) 1,1-Dichloroethene	5.08	96	36919	0.63	ppbv	87
19) Isopropyl Alcohol	4.80	45	2215	0.04	ppbv #	1
20) Methylene Chloride	5.15	84	9814	0.17	ppbv	98
22) trans-1,2-Dichloroethene	5.76	96	4504	0.07	ppbv #	62
23) Vinyl Acetate	6.01	43	17967	0.08	ppbv #	40
24) 1,1-Dichloroethane	5.90	63	167217	1.17	ppbv	99
26) Hexane	6.65	57	4206	0.04	ppbv #	45
27) Carbon Disulfide	5.39	76	12509	0.08	ppbv #	28
29) Chloroform	6.74	83	6445	0.03	ppbv	88
30) Cyclohexane	8.28	84	17963	0.19	ppbv #	34
31) cis-1,2-Dichloroethene	6.51	61	267430	2.67	ppbv	96
32) 1,1,1-Trichloroethane	7.59	97	18800	0.09	ppbv	97
38) Trichloroethene	9.07	130	8836215	92.44	ppbv	94
39) 1,2-Dichloropropane	9.06	63	45338	0.60	ppbv #	1
41) Tetrahydrofuran	7.18	42	7315	0.12	ppbv	89
42) Bromodichloromethane	9.07	83	145528	0.69	ppbv #	95
51) 2-Hexanone	11.92	43	39721	0.25	ppbv #	50
52) Tetrachloroethene	12.80	164	10364	0.10	ppbv	88
74) 1,2,4-Trimethylbenzene	18.83	105	43222	0.09	ppbv #	65

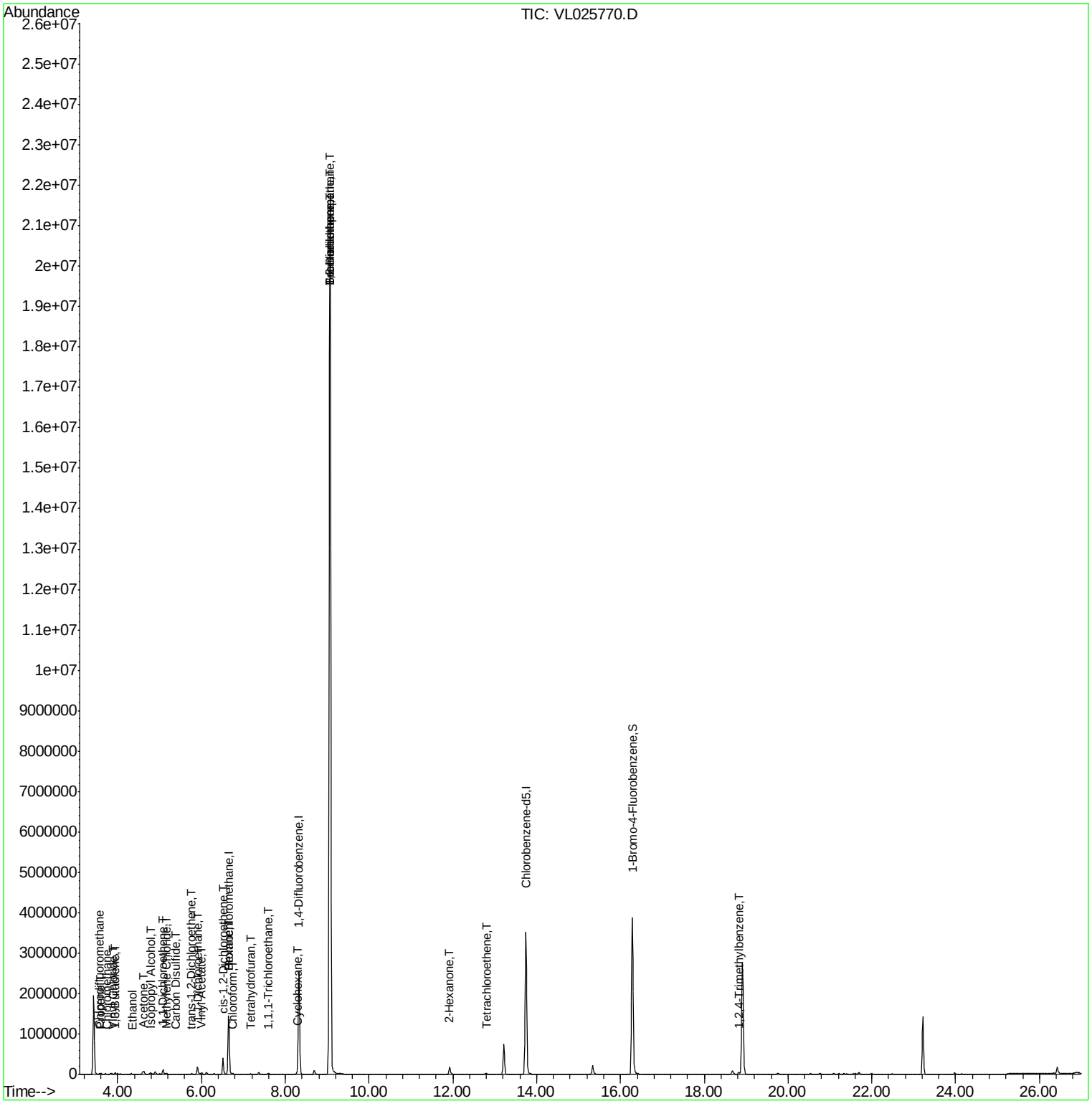
(#) = qualifier out of range (m) = manual integration (+) = signals summed

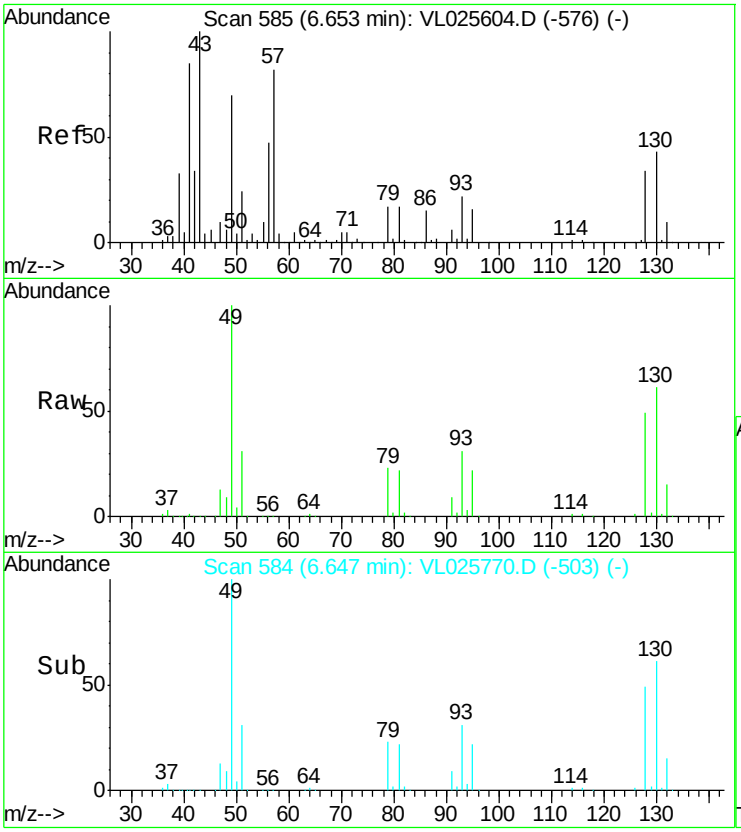
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
Data File : VL025770.D
Acq On : 28 Jul 2015 2:20
Operator : SY/MD
Sample : G3040-09 120X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Quant Time: Jul 28 04:13:26 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



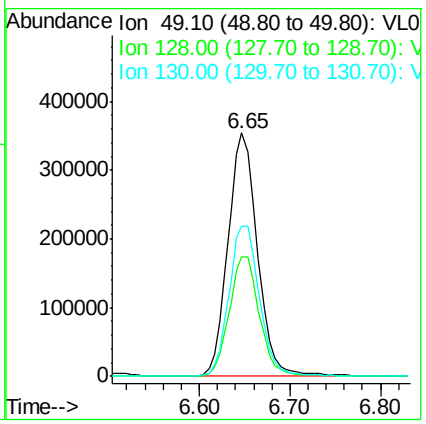


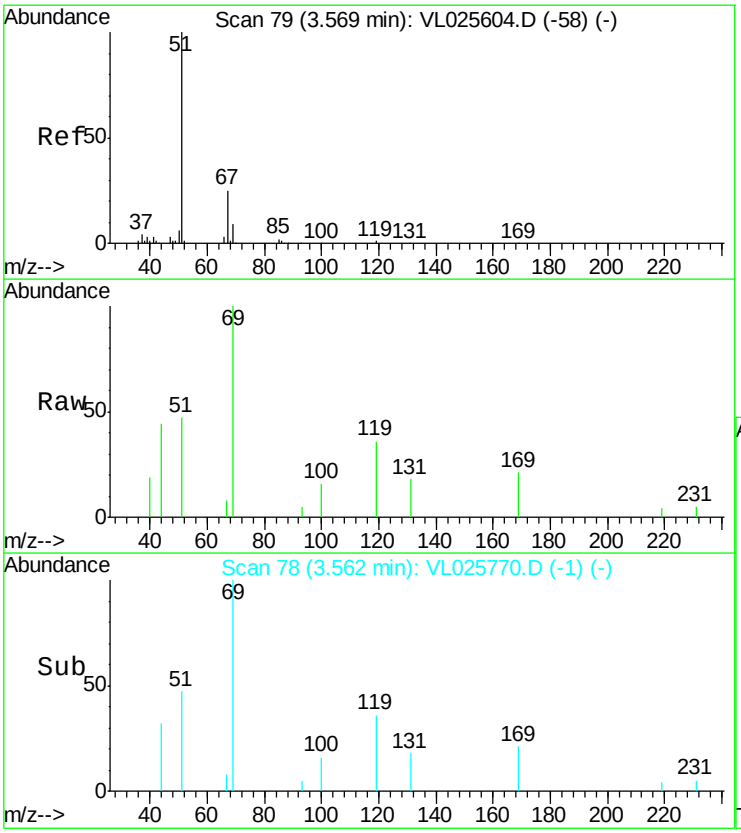
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 49 Resp: 799868

Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.4	76.0
130	64.6	31.9	95.9

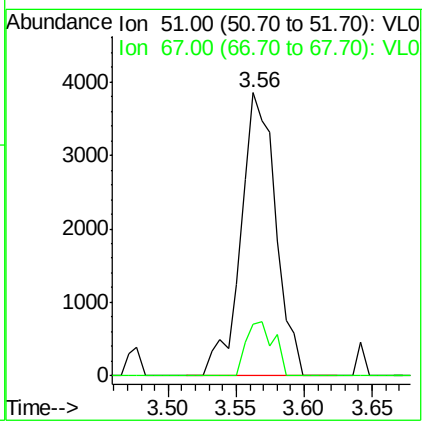


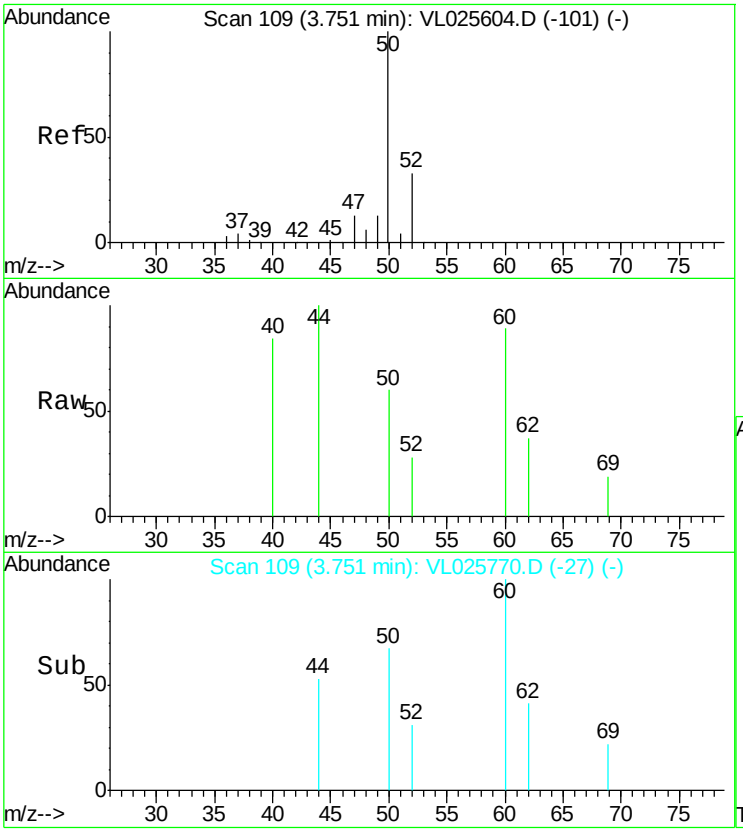


#3
Chlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.56 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 51 Resp: 6915

Ion	Ratio	Lower	Upper
51	100		
67	15.1	19.5	29.3#



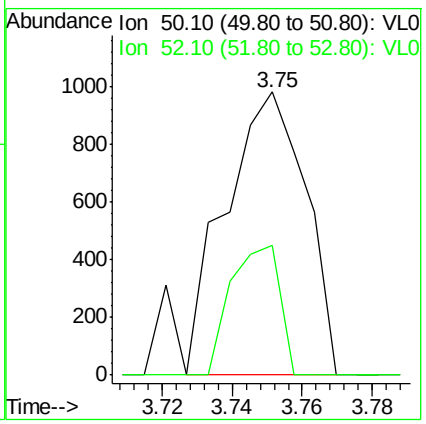


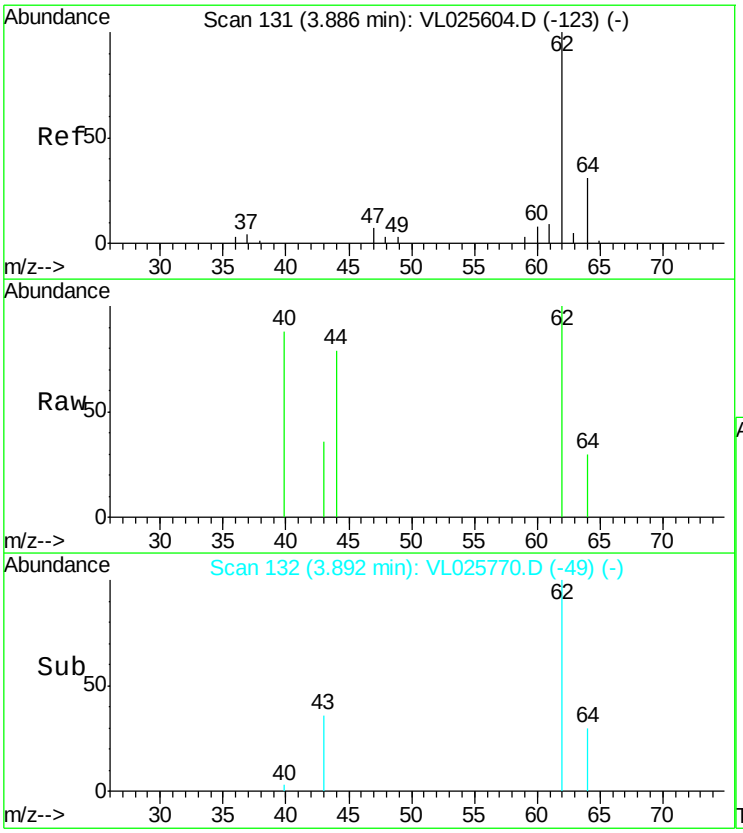
#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.75 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 50 Resp: 1566

Ion	Ratio	Lower	Upper
50	100		
52	45.9	26.2	39.2#

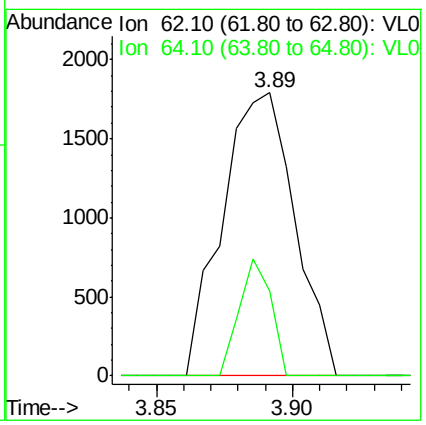


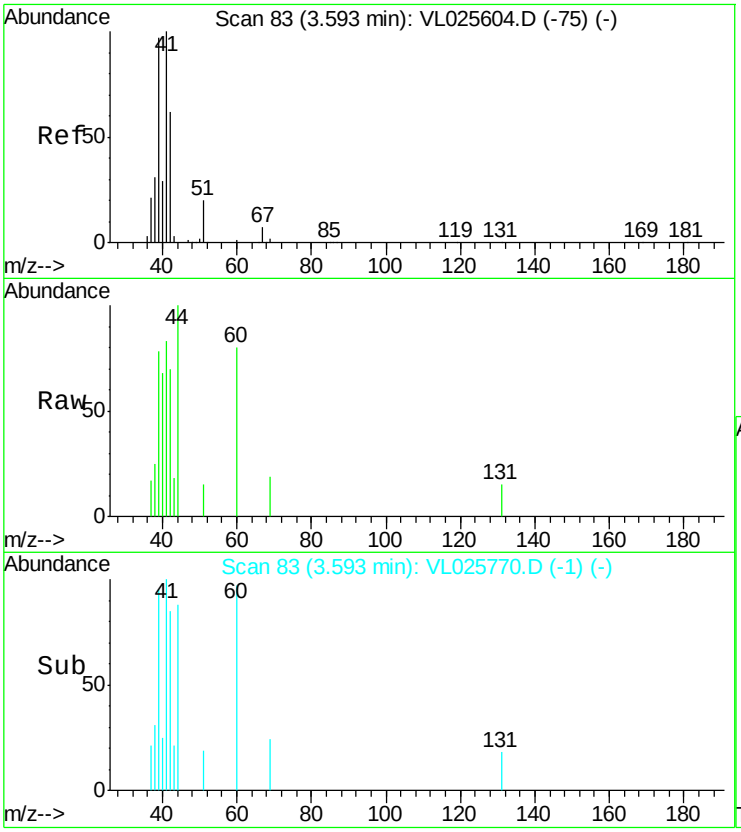


#5
Vinyl Chloride
Concen: 0.06 ppbv
RT: 3.89 min Scan# 132
Delta R.T. 0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 62 Resp: 3301

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.0	37.6



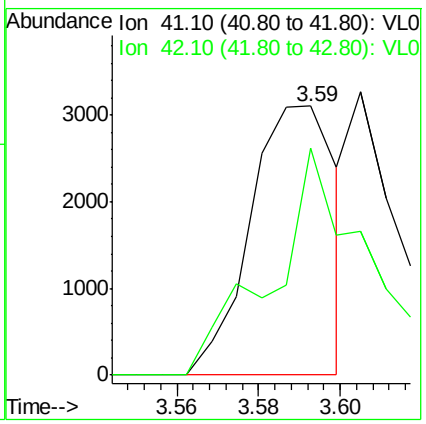


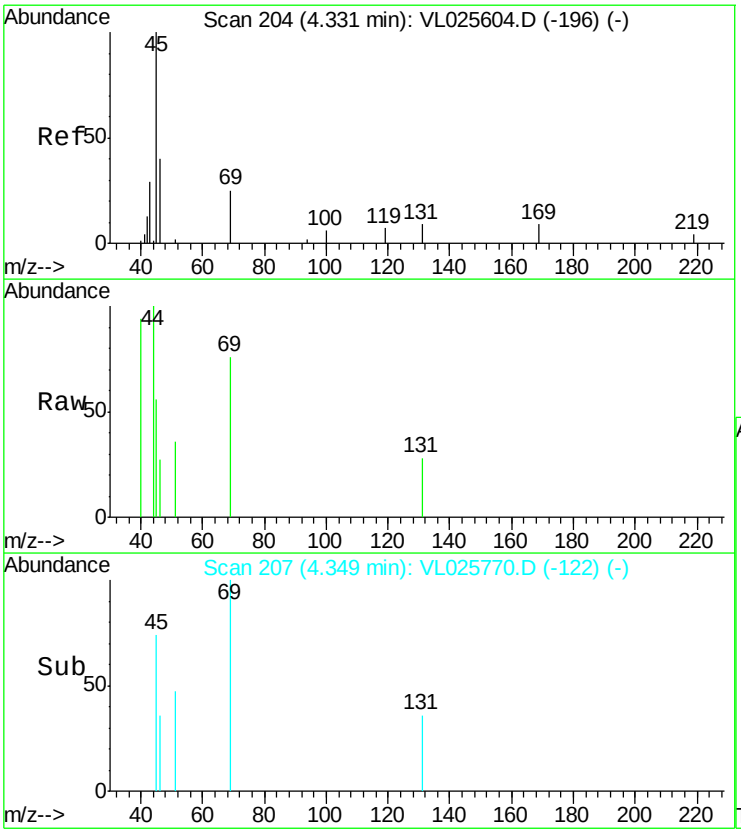
#9
Propene
Concen: 0.12 ppbv
RT: 3.59 min Scan# 83
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 41 Resp: 4553

Ion	Ratio	Lower	Upper
41	100		
42	92.8	52.4	78.6#

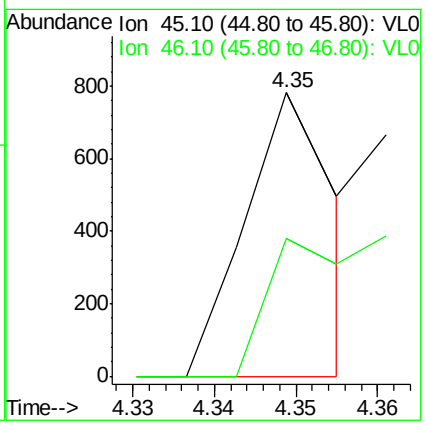


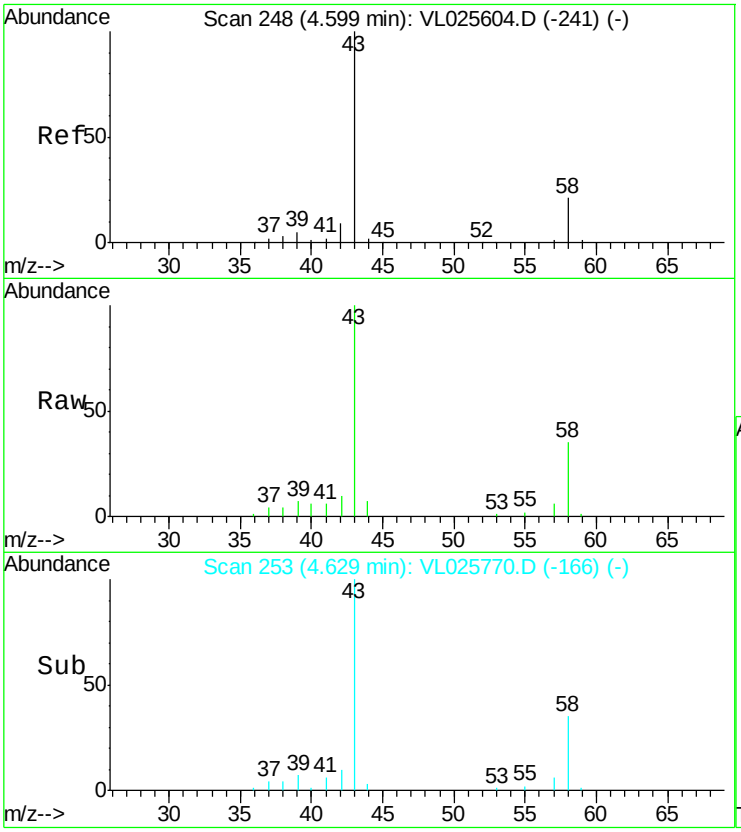


#13
Ethanol
Concen: 0.10 ppbv
RT: 4.35 min Scan# 207
Delta R.T. 0.02 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 45 Resp: 597

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.0	64.0#



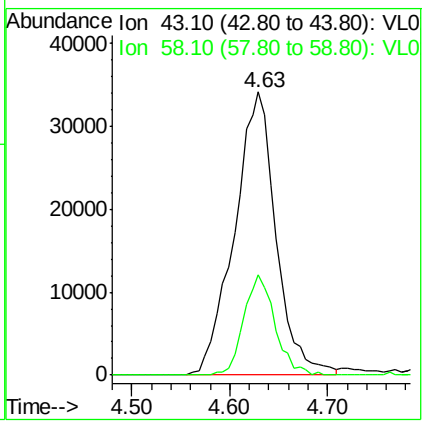


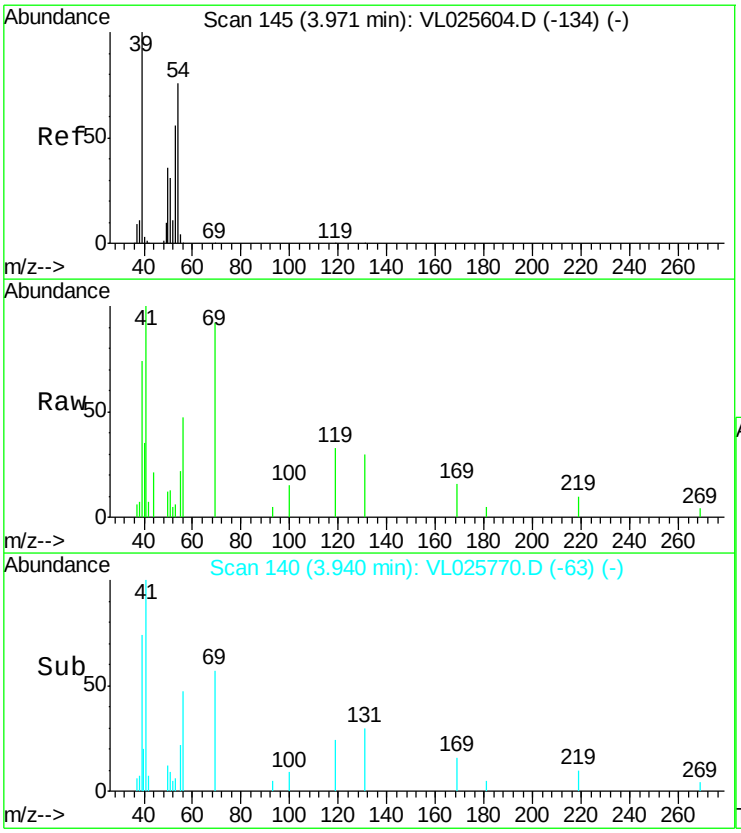
#15
Acetone
Concen: 0.71 ppbv
RT: 4.63 min Scan# 253
Delta R.T. 0.03 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 43 Resp: 100821

Ion	Ratio	Lower	Upper
43	100		
58	26.6	17.2	25.8#

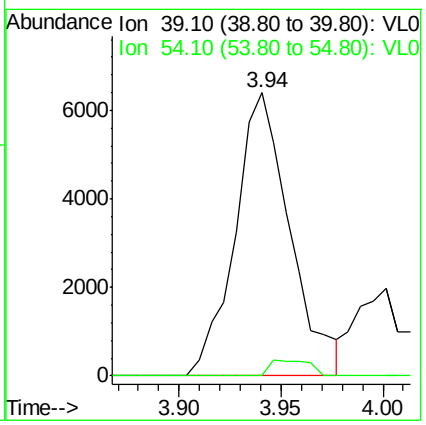


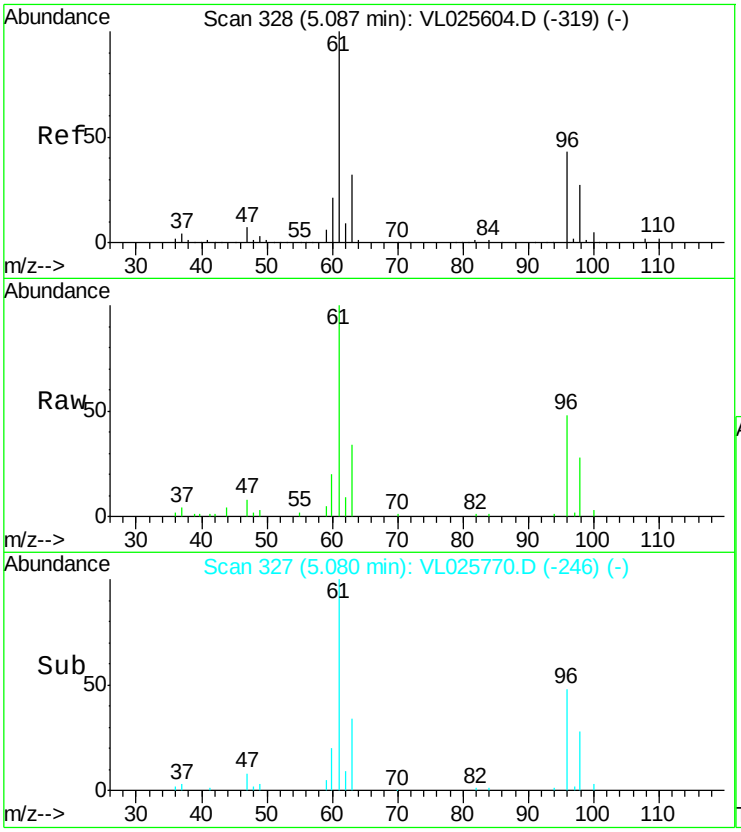


#16
1,3-Butadiene
Concen: 0.21 ppbv
RT: 3.94 min Scan# 140
Delta R.T. -0.03 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 39 Resp: 11969

Ion	Ratio	Lower	Upper
39	100		
54	4.0	59.3	88.9#



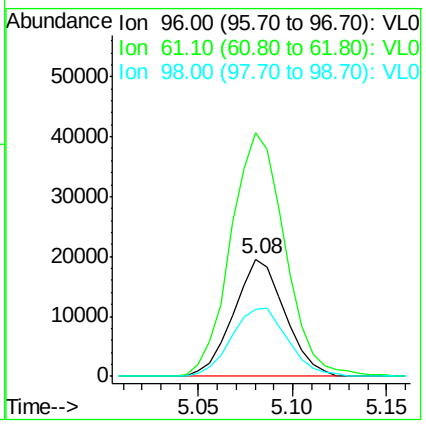


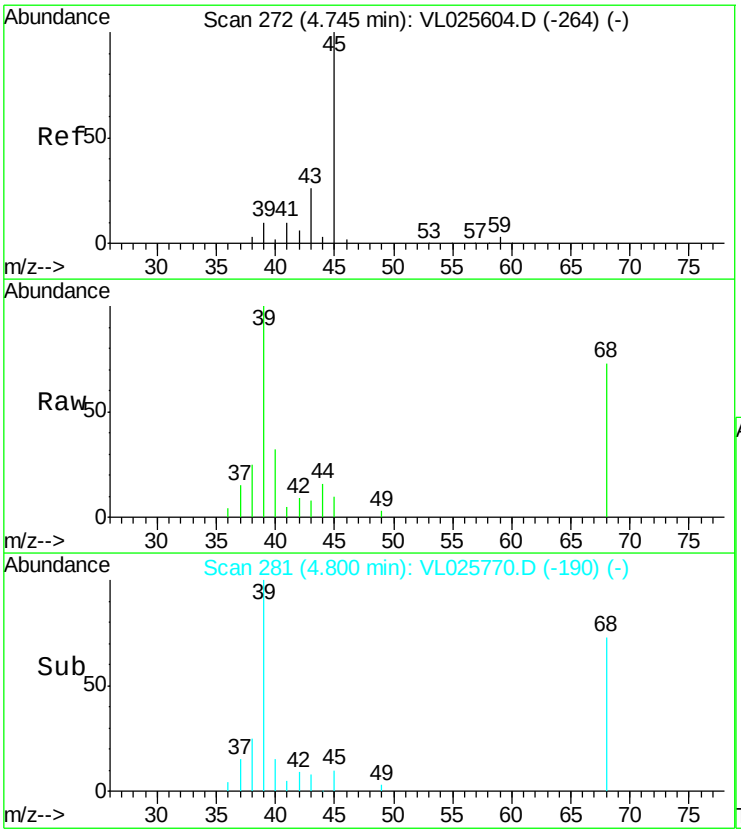
#18
1,1-Dichloroethene
Concen: 0.63 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 96 Resp: 36919

Ion	Ratio	Lower	Upper
96	100		
61	206.1	184.1	276.1
98	57.4	50.0	75.0

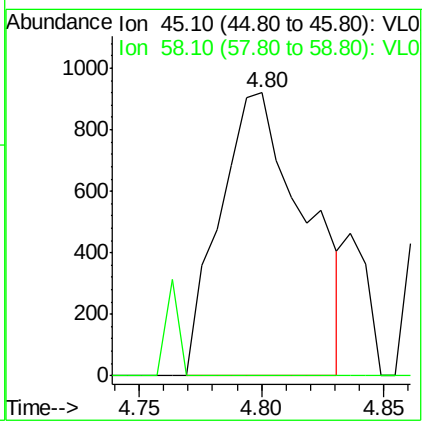


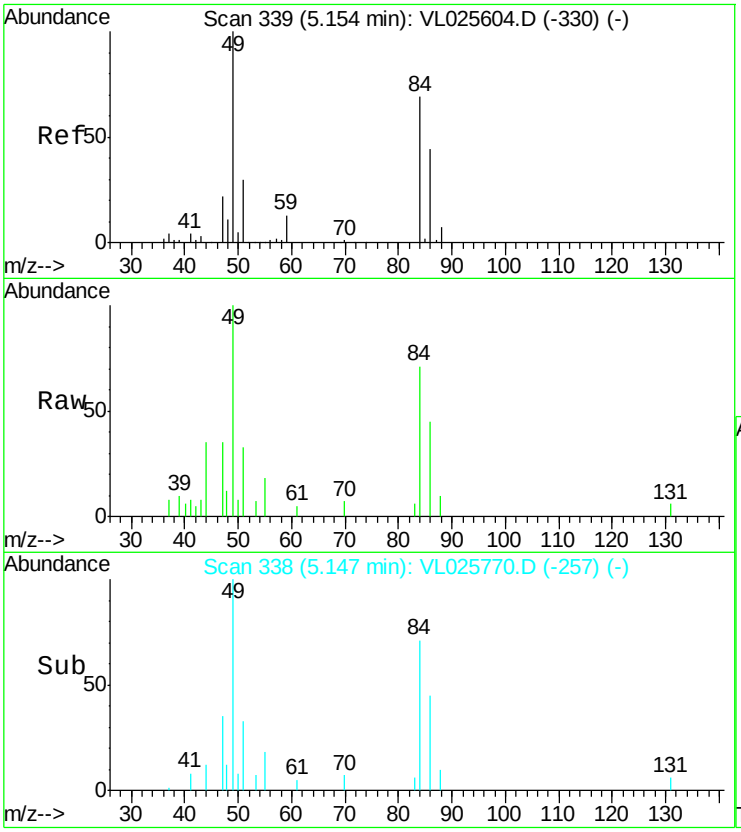


#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.80 min Scan# 281
Delta R.T. 0.05 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 45 Resp: 2215

Ion	Ratio	Lower	Upper
45	100		
58	1209.0	1.1	1.7#



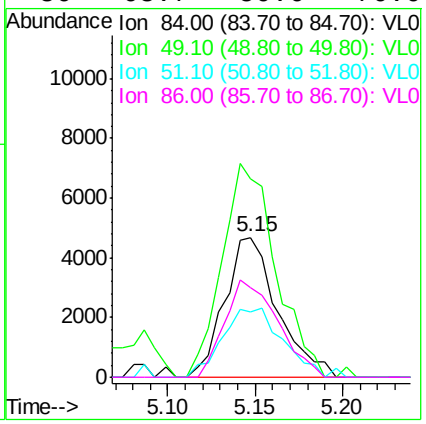


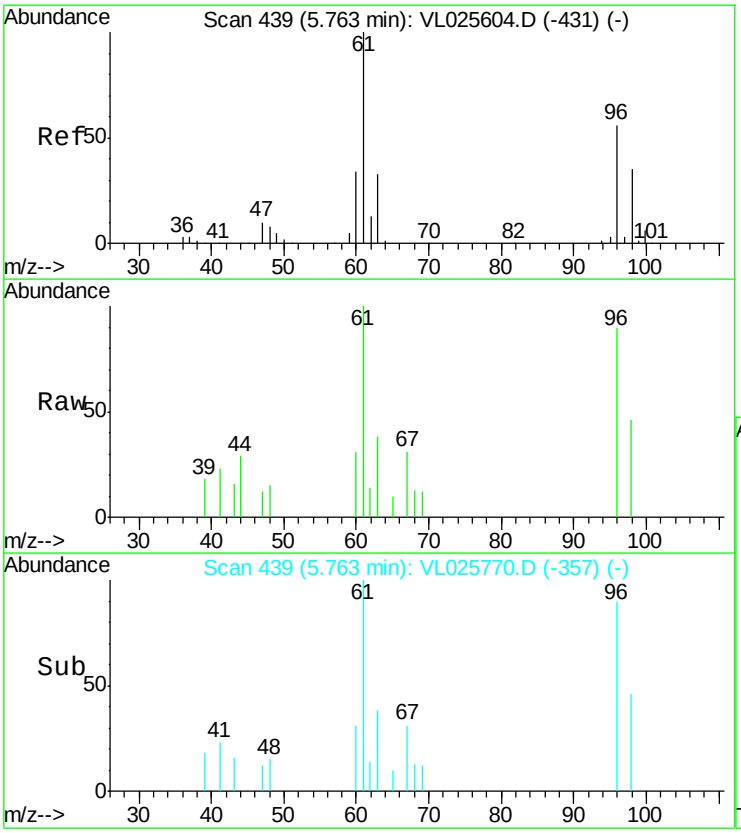
#20
Methylene Chloride
Concen: 0.17 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 84 Resp: 9814

Ion	Ratio	Lower	Upper
84	100		
49	141.6	115.2	172.8
51	46.6	35.0	52.6
86	63.7	50.6	76.0

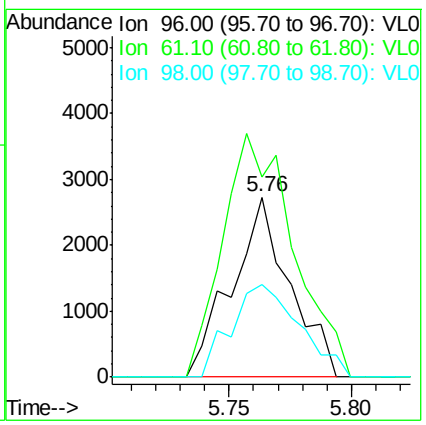


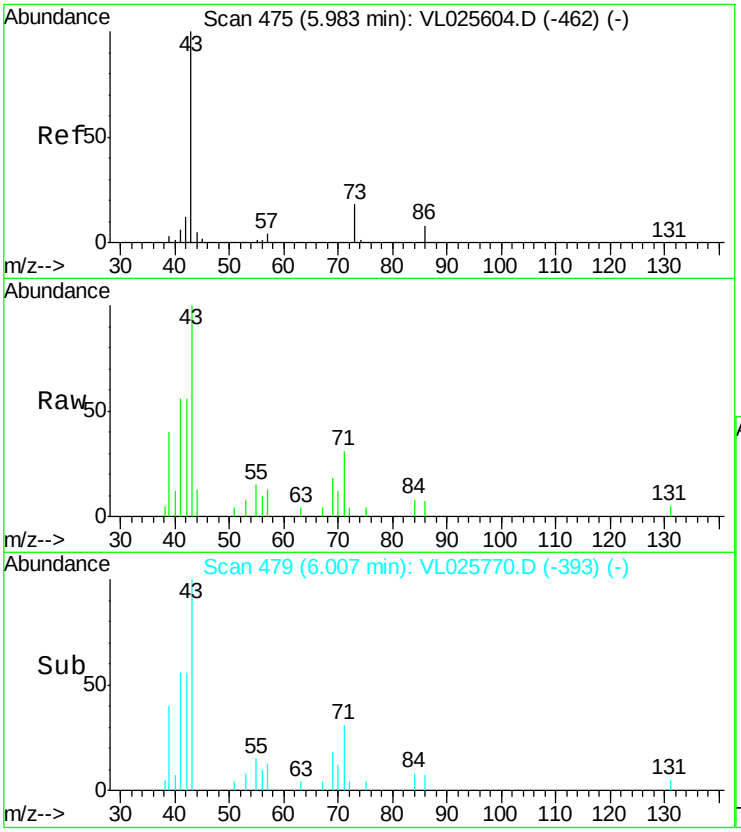


#22
trans-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.76 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 96 Resp: 4504

Ion	Ratio	Lower	Upper
96	100		
61	111.3	141.8	212.6#
98	51.4	49.0	73.6



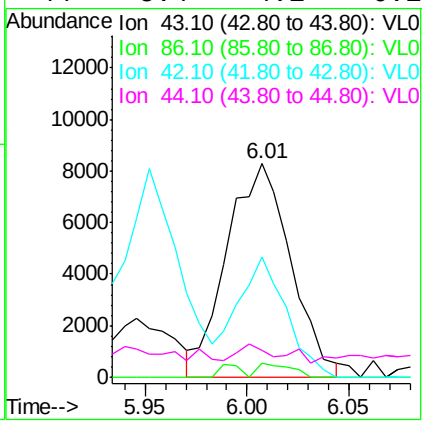


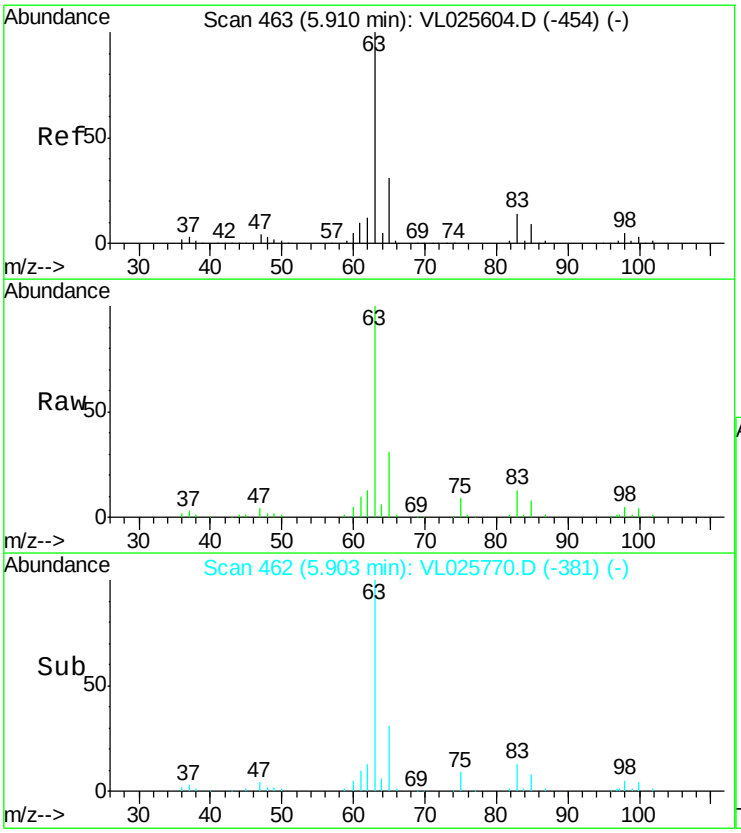
#23
Vinyl Acetate
Concen: 0.08 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 43 Resp: 17967

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.7	10.1
42	60.0	9.8	14.6#
44	5.4	4.1	6.1

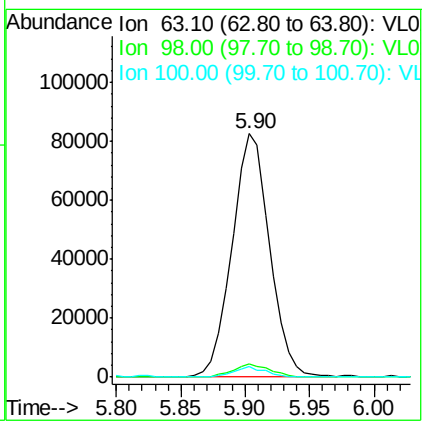


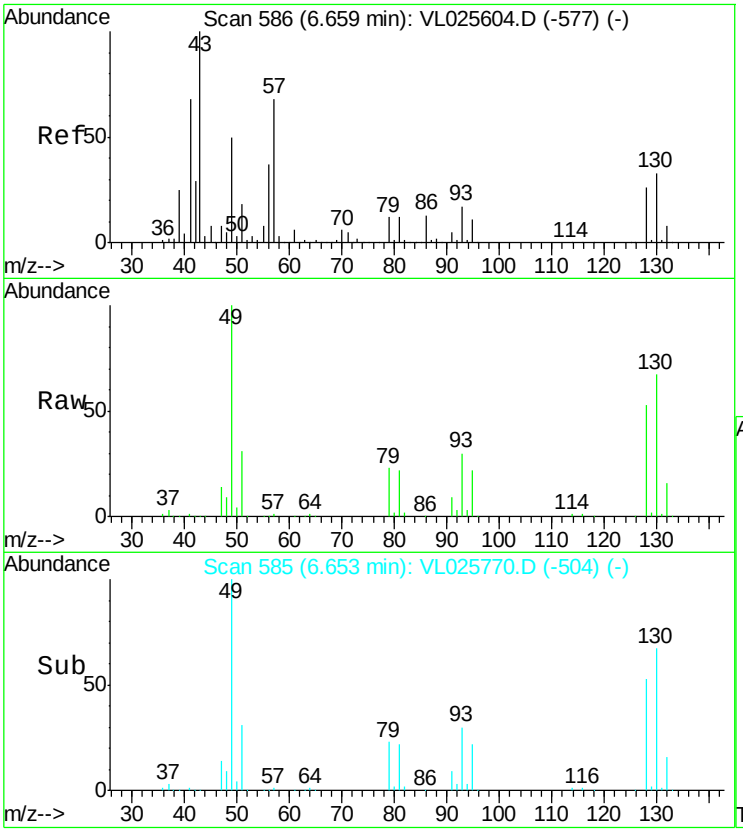


#24
1,1-Dichloroethane
Concen: 1.17 ppbv
RT: 5.90 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 63 Resp: 167217

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	8.0
100	4.2	1.6	4.7



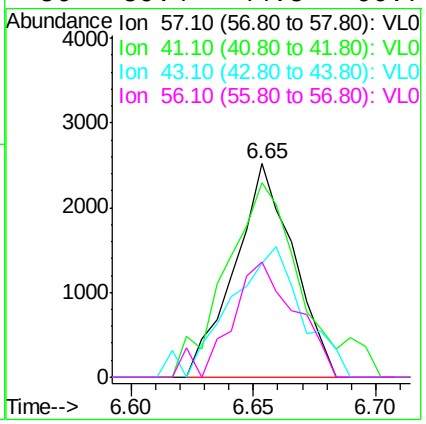


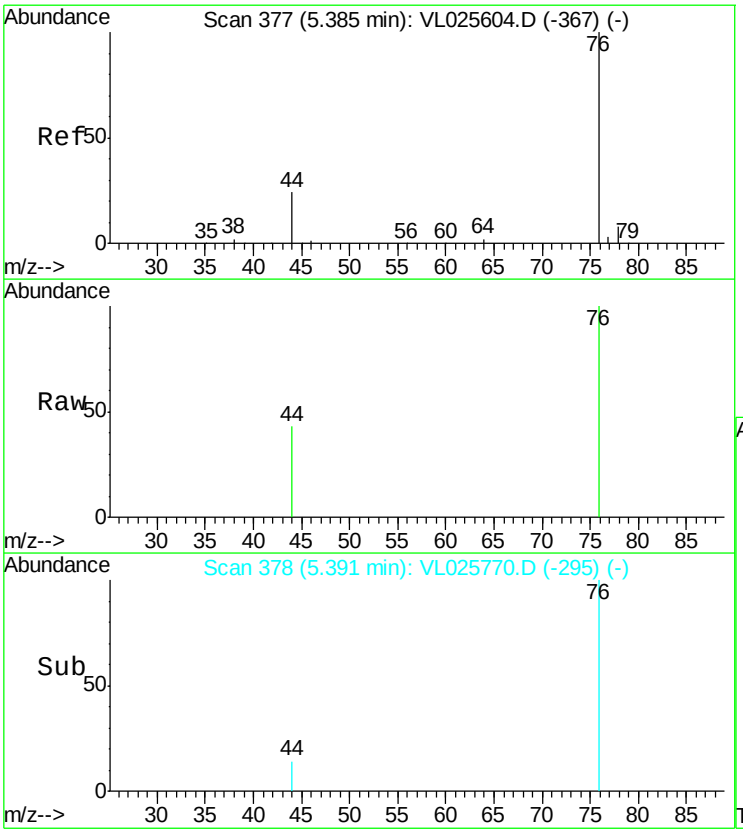
#26
Hexane
Concen: 0.04 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 57 Resp: 4206

Ion	Ratio	Lower	Upper
57	100		
41	116.9	81.4	122.2
43	76.0	171.4	257.2#
56	59.4	44.5	66.7

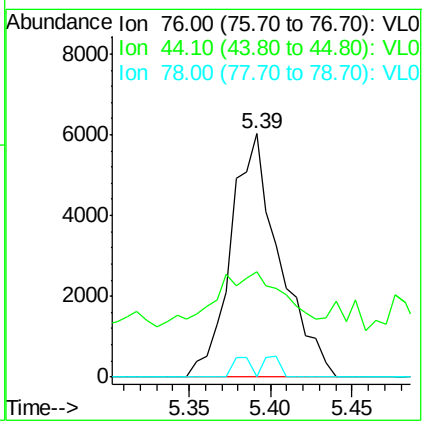


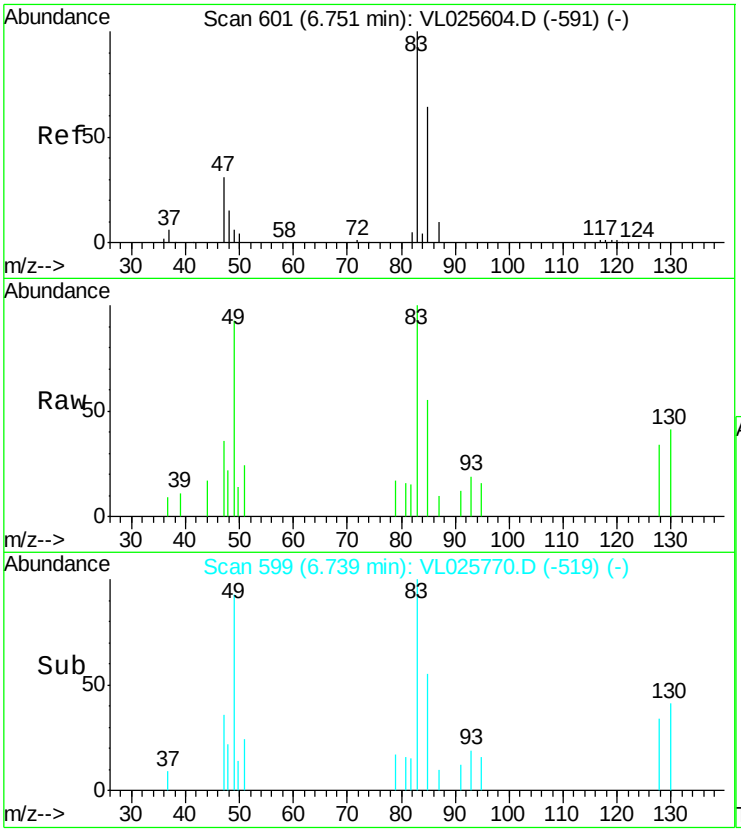


#27
Carbon Disulfide
Concen: 0.08 ppbv
RT: 5.39 min Scan# 378
Delta R.T. 0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 76 Resp: 12509

Ion	Ratio	Lower	Upper
76	100		
44	70.0	20.2	30.4#
78	0.0	7.4	11.2#



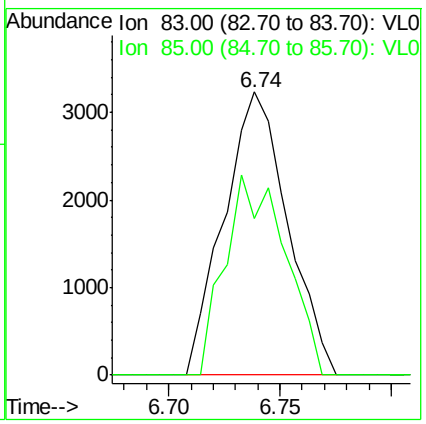


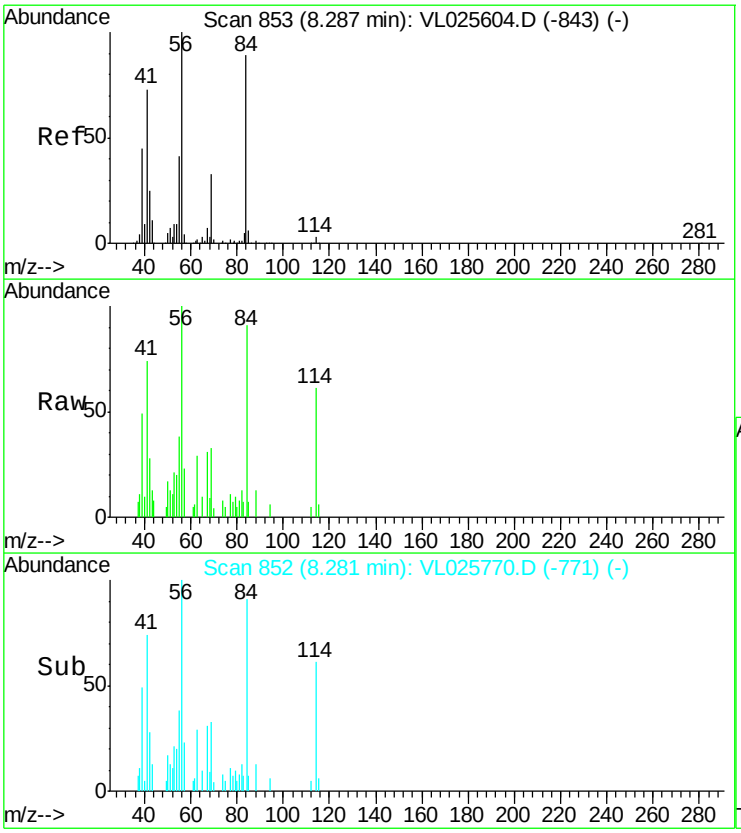
#29
Chloroform
Concen: 0.03 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 83 Resp: 6445

Ion	Ratio	Lower	Upper
83	100		
85	55.1	51.6	77.4

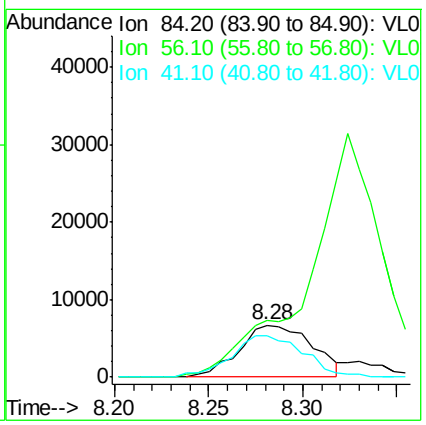


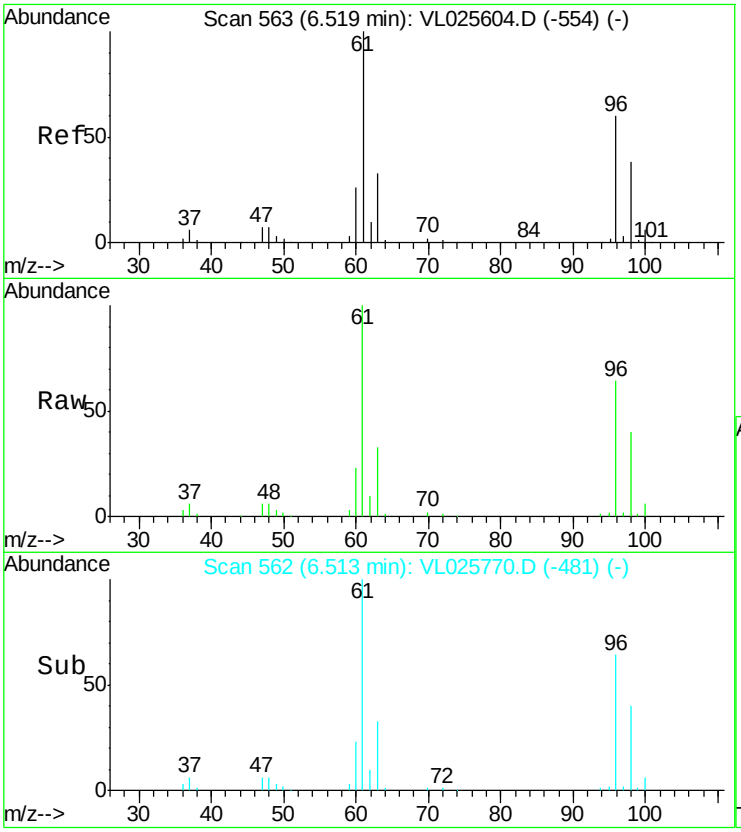


#30
Cyclohexane
Concen: 0.19 ppbv
RT: 8.28 min Scan# 852
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 84 Resp: 17963

Ion	Ratio	Lower	Upper
84	100		
56	0.0	97.5	146.3#
41	80.0	65.4	98.2



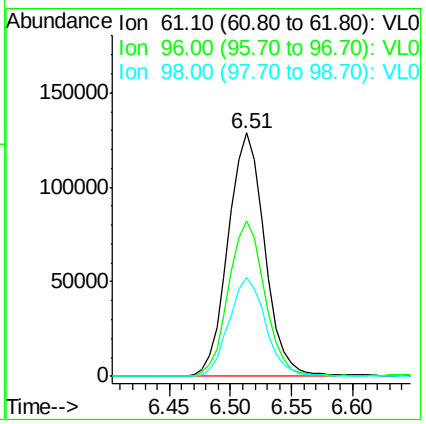


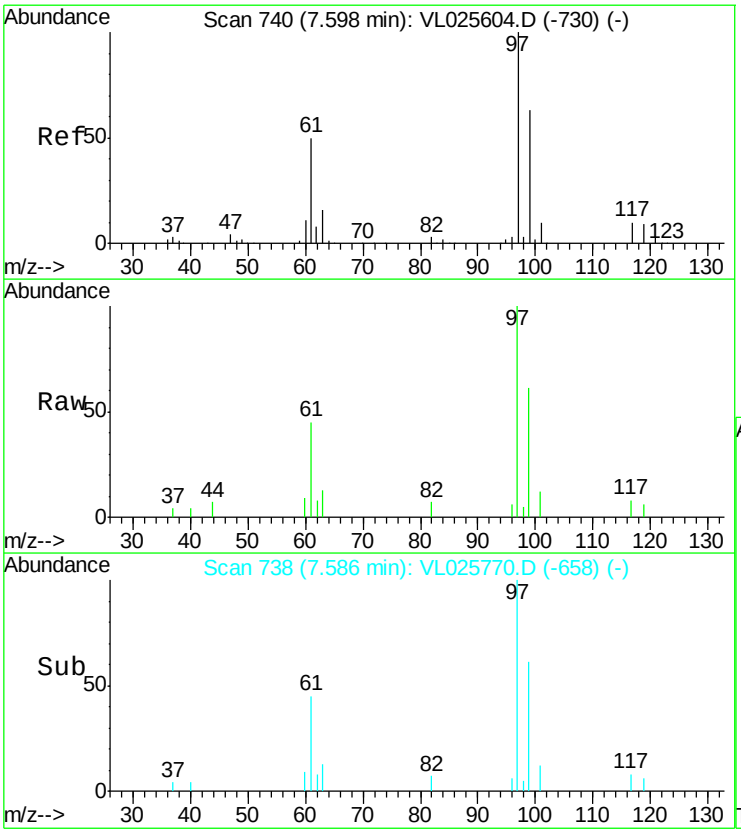
#31
cis-1,2-Dichloroethene
Concen: 2.67 ppbv
RT: 6.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 61 Resp: 267430

Ion	Ratio	Lower	Upper
61	100		
96	63.9	48.1	72.1
98	40.4	30.7	46.1

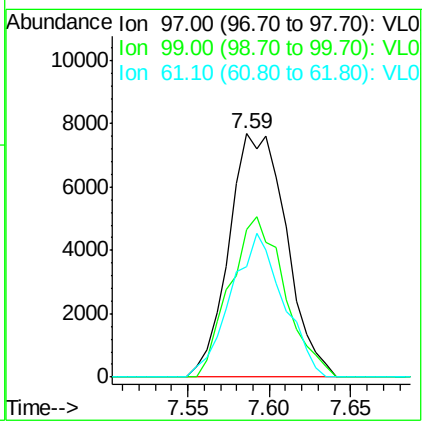


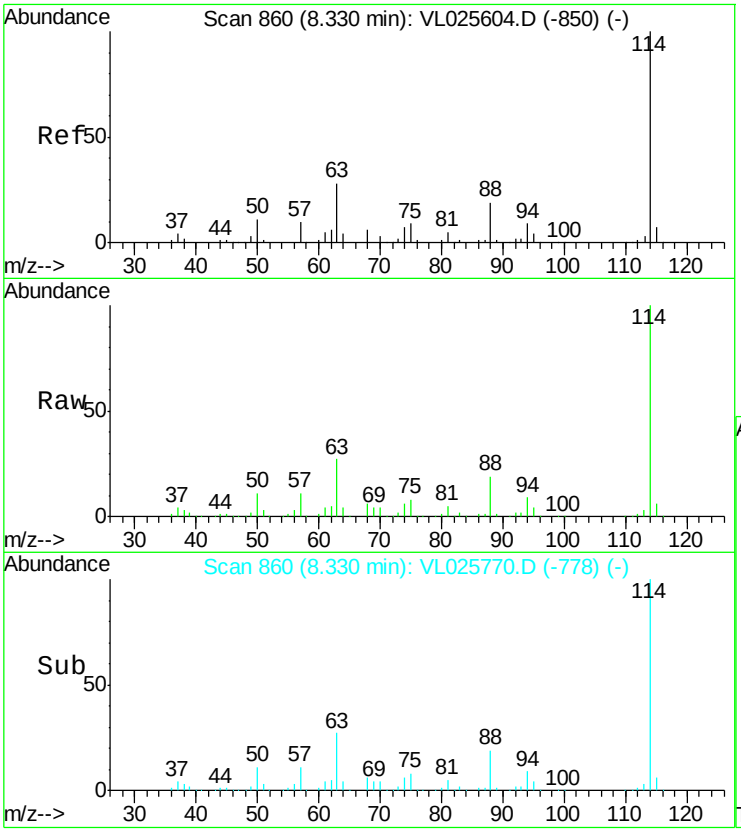


#32
1,1,1-Trichloroethane
Concen: 0.09 ppbv
RT: 7.59 min Scan# 738
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 97 Resp: 18800

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	54.0	40.4	60.6



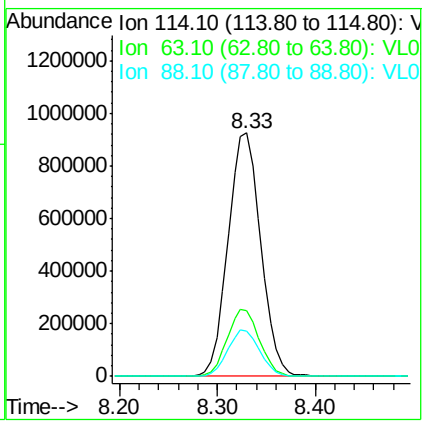


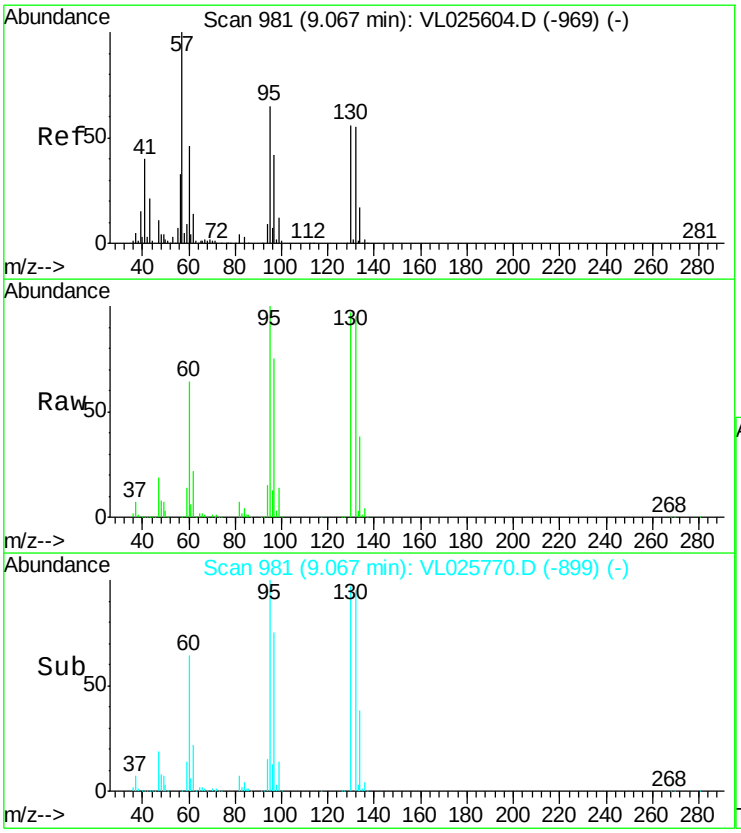
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion:114 Resp: 2146694

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.4	33.6
88	18.6	15.0	22.4

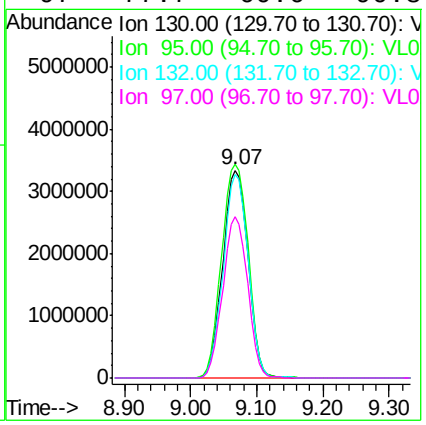


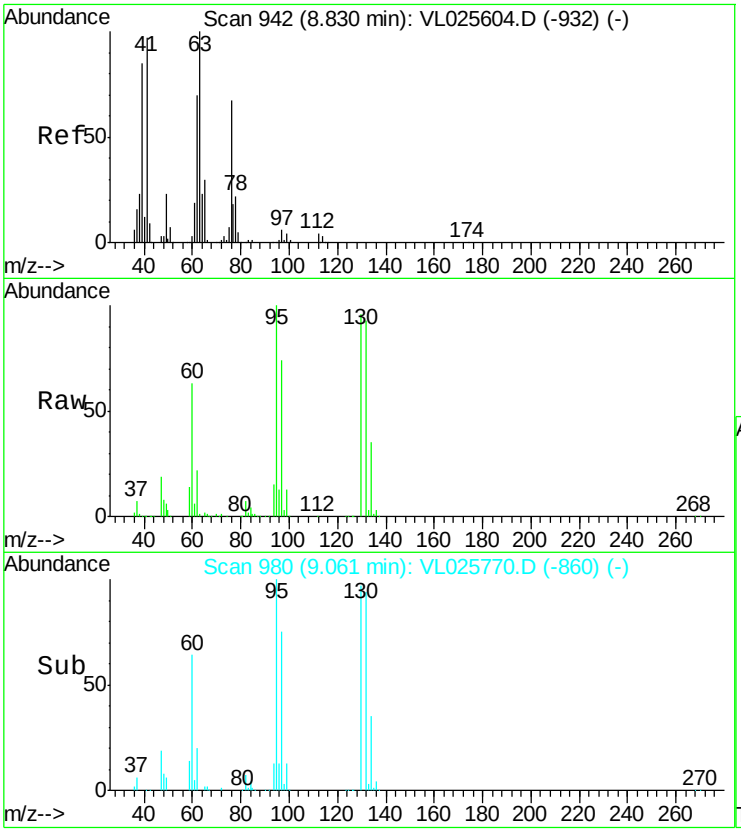


#38
Trichloroethene
Concen: 92.44 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion:130 Resp: 8836215

Ion	Ratio	Lower	Upper
130	100		
95	102.9	94.2	141.4
132	98.2	78.6	118.0
97	77.7	60.6	90.8



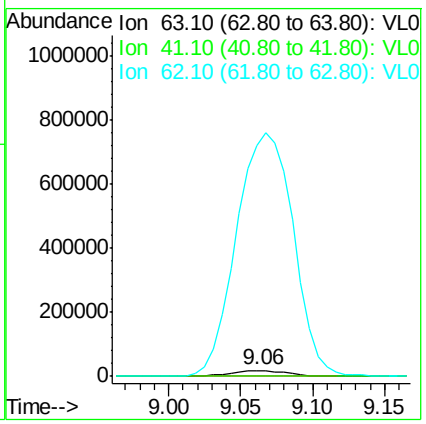


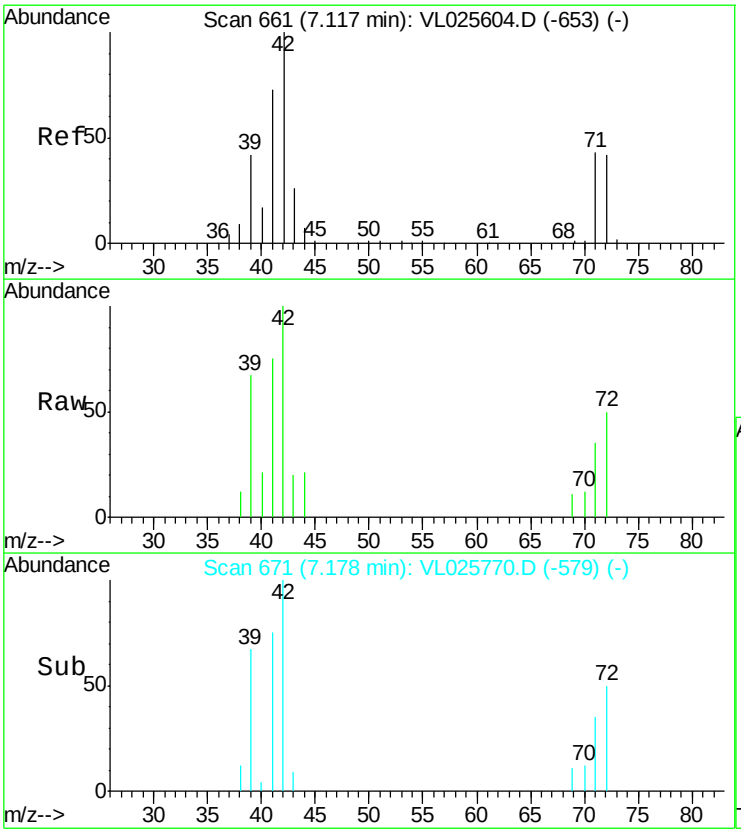
#39
1,2-Dichloropropane
Concen: 0.60 ppbv
RT: 9.06 min Scan# 980
Delta R.T. 0.23 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 63 Resp: 45338

Ion	Ratio	Lower	Upper
63	100		
41	11.9	78.0	117.0#
62	4081.1	55.7	83.5#

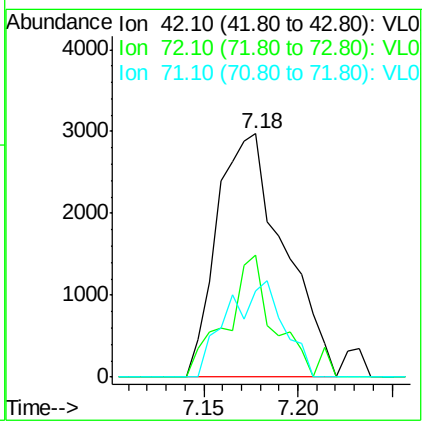


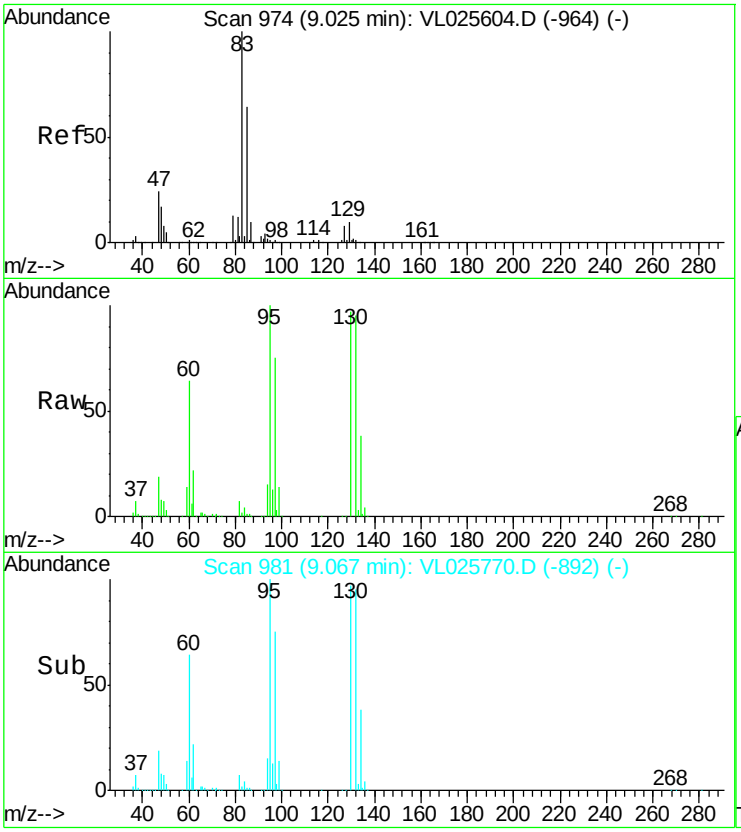


#41
Tetrahydrofuran
Concen: 0.12 ppbv
RT: 7.18 min Scan# 671
Delta R.T. 0.06 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 42 Resp: 7315

Ion	Ratio	Lower	Upper
42	100		
72	36.5	34.0	51.0
71	33.2	33.0	49.6



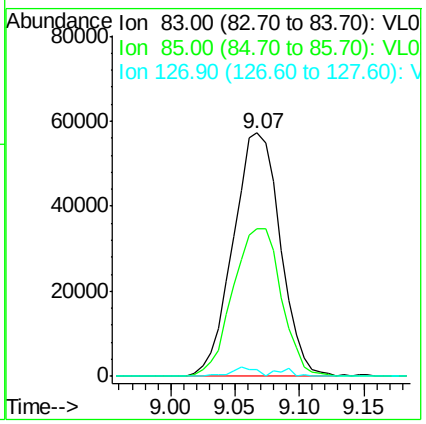


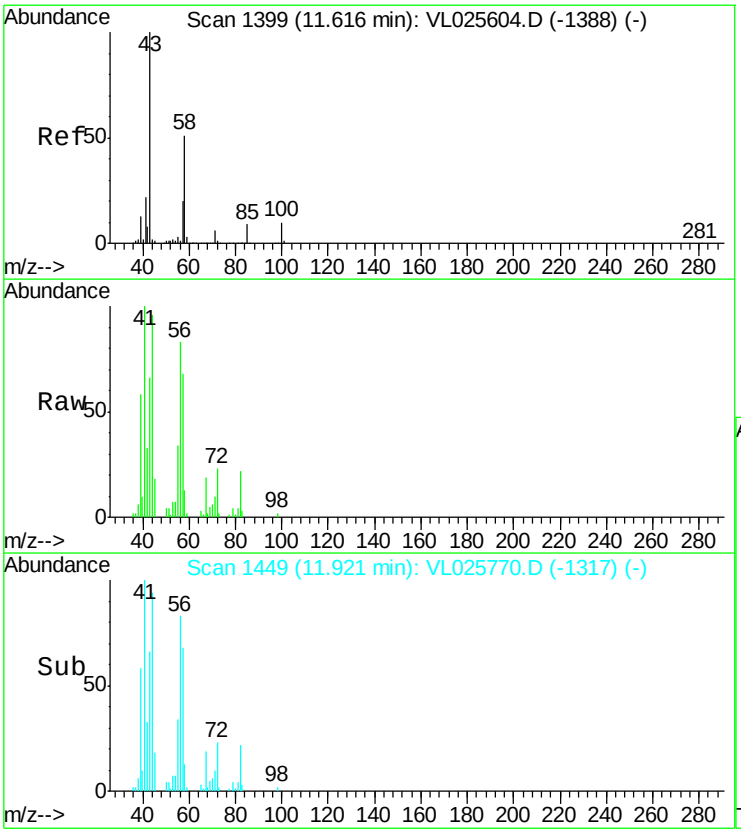
#42
Bromodichloromethane
Concen: 0.69 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.04 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 83 Resp: 145528

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.3	76.9
127	3.0	6.0	9.0#

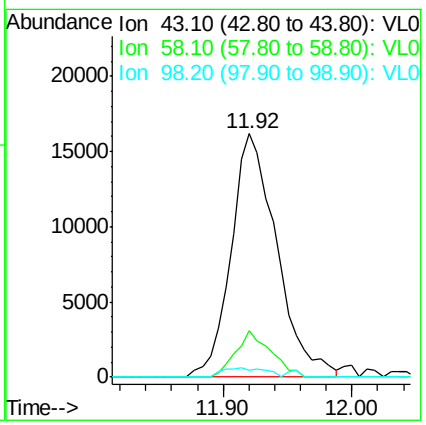


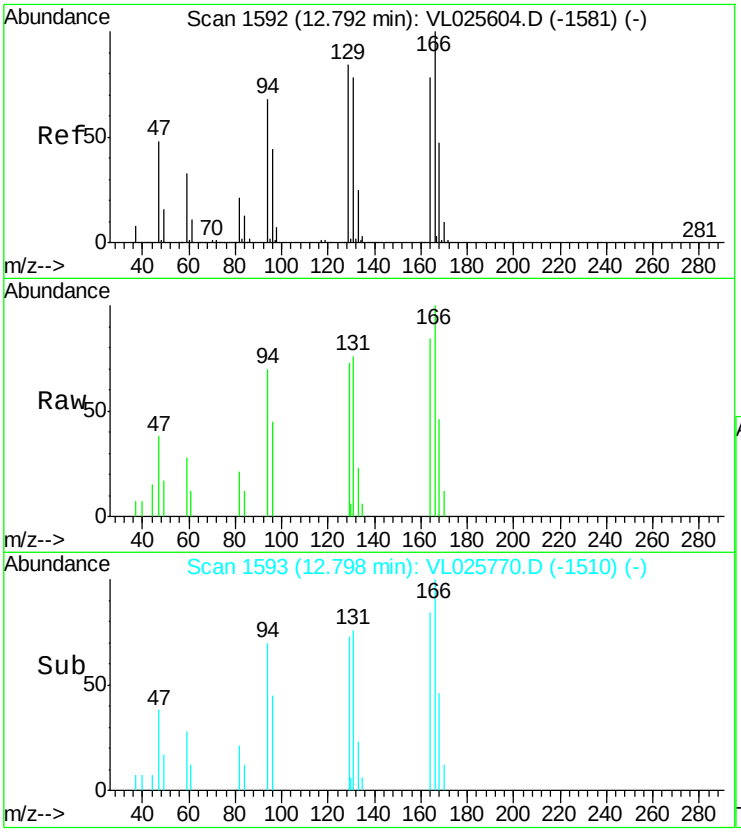


#51
2-Hexanone
Concen: 0.25 ppbv
RT: 11.92 min Scan# 1449
Delta R.T. 0.30 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion: 43 Resp: 39721

Ion	Ratio	Lower	Upper
43	100		
58	14.7	39.0	58.6#
98	4.2	0.2	0.4#



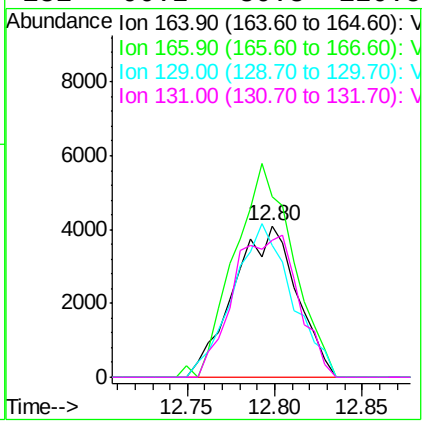


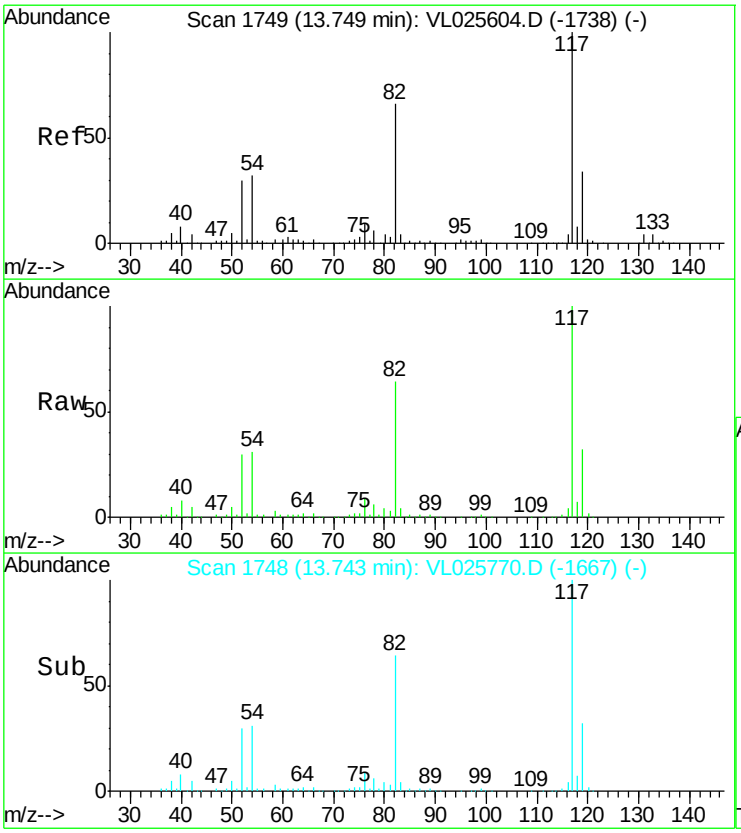
#52
Tetrachloroethene
Concen: 0.10 ppbv
RT: 12.80 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion:164 Resp: 10364

Ion	Ratio	Lower	Upper
164	100		
166	119.1	102.3	153.5
129	86.8	86.2	129.4
131	90.2	80.3	120.5

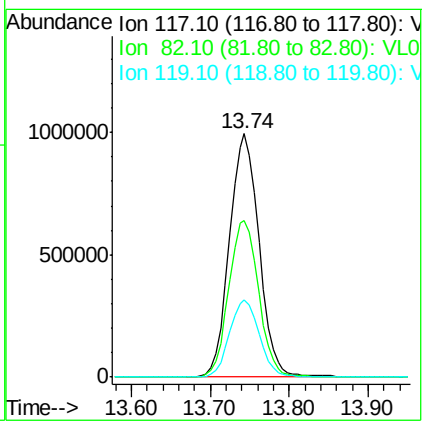


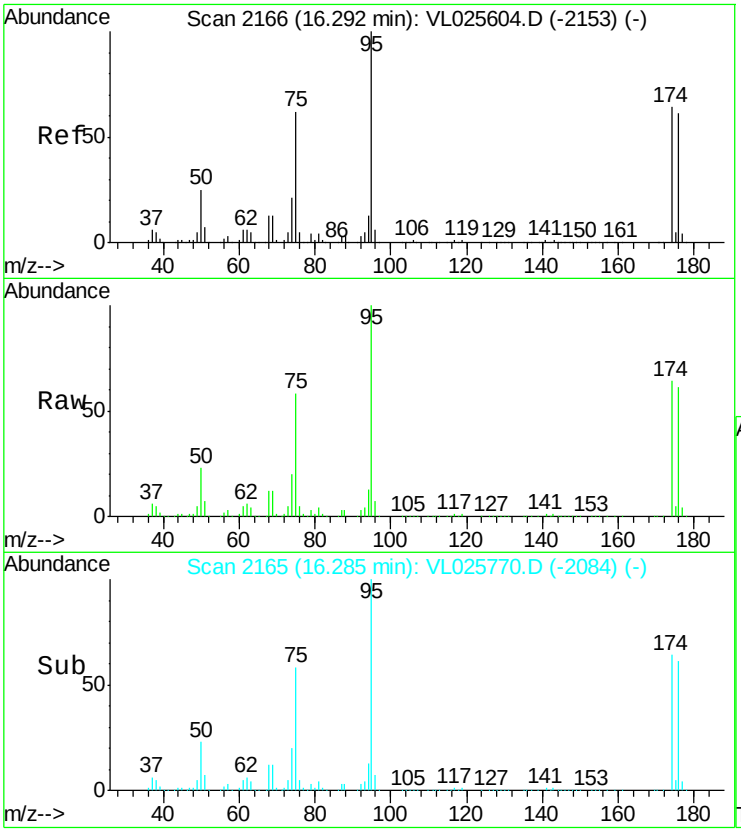


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion:117 Resp: 2596950

Ion	Ratio	Lower	Upper
117	100		
82	65.7	50.5	75.7
119	32.3	45.1	67.7#



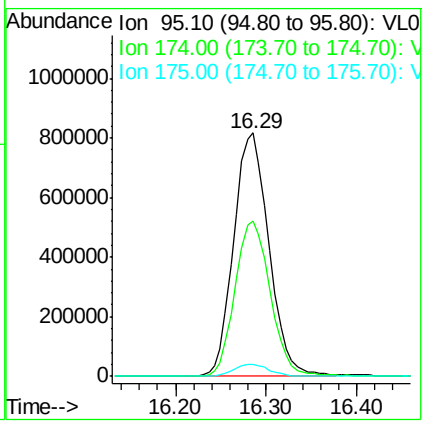


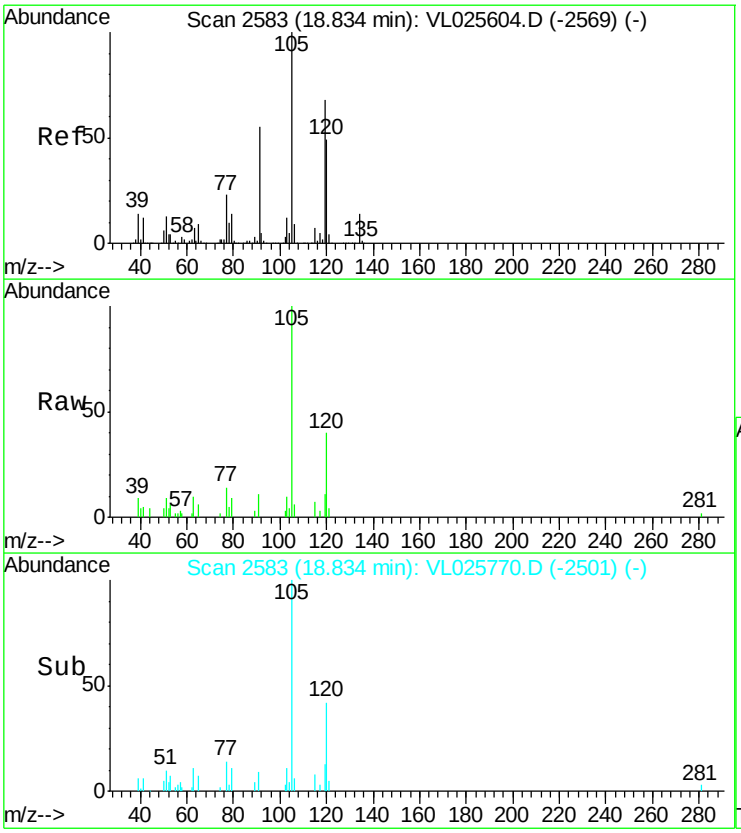
#68
1-Bromo-4-Fluorobenzene
Concen: 10.06 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-072315

Tgt Ion: 95 Resp: 2203400

Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.0	78.0
175	5.0	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.09 ppbv
RT: 18.83 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VL025770.D
Acq: 28 Jul 2015 2:20

Tgt Ion:105 Resp: 43222

Ion	Ratio	Lower	Upper
105	100		
120	39.7	39.3	58.9
91	11.1	43.8	65.6#
77	14.2	18.3	27.5#