Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026652.D
Acq On : 8 Jan 2016 18:38
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Jan 08 22:15:30 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 08 22:06:23 2016
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	748139	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.30	114	2274513	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.71	117	3044788	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.25	95	2512606	10.24	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.63	85	8970	0.05	ppbv		91
3) Chlorodifluoromethane	3.57	51	6072	0.06	ppbv		93
4) Chloromethane	3.74	50	1846	0.04	ppbv	#	53
5) Vinyl Chloride	3.87	62	2164	0.04	ppbv	#	43
7) Chloroethane	4.23	64	786	0.03	ppbv	#	47
8) Dichlorotetrafluoroethane	3.79	85	7437	0.05	ppbv		93
9) Propene	3.58	41	2378	0.07	ppbv		98
11) Trichlorofluoromethane	4.68	101	9650	0.05	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	5.29	101	5297	0.04	ppbv		95
15) Acetone	4.62	43	19110	0.17	ppbv	#	1
20) Methylene Chloride	5.14	84	4849	0.10	ppbv	#	82
21) Allyl Chloride	5.21	41	3189	0.04	ppbv	#	70
23) Vinyl Acetate	5.98	43	6226	0.03	ppbv	#	97
24) 1,1-Dichloroethane	5.88	63	5994	0.05	ppbv	#	85
26) Hexane	6.63	57	3970	0.04	ppbv		93
27) Carbon Disulfide	5.37	76	5623	0.04	ppbv	#	51
29) Chloroform	6.73	83	8156	0.05	ppbv		88
32) 1,1,1-Trichloroethane	7.57	97	8393	0.05	ppbv		87
35) Carbon Tetrachloride	8.13	117	7431	0.04	ppbv	#	73
37) 1,2-Dichloroethane	7.35	62	6769	0.04	ppbv	#	86
38) Trichloroethene	9.02	130	2771	0.03	ppbv	#	52
39) 1,2-Dichloropropane	8.79	63	2723	0.03	ppbv	#	70
42) Bromodichloromethane	8.99	83	6990	0.03	ppbv	#	82
47) 1,1,2-Trichloroethane	10.85	97	4420	0.04	ppbv	#	83
52) Tetrachloroethene	12.76	164	3152	0.03	ppbv	#	78
54) 1,2-Dibromoethane	12.12	107	6056	0.03	ppbv		82
56) 1,1,1,2-Tetrachloroethane	13.75	131	4105	0.03	ppbv	#	24
57) Chlorobenzene	13.77	112	14152	0.05	ppbv	#	95
60) o-Xylene	15.46	91	15214	0.03	ppbv		95
63) 1,1,2,2-Tetrachloroethane	15.45	83	15536	0.06	ppbv		89
78) Hexachloro-1,3-Butadiene	24.64	225	6227	0.05	ppbv	#	90

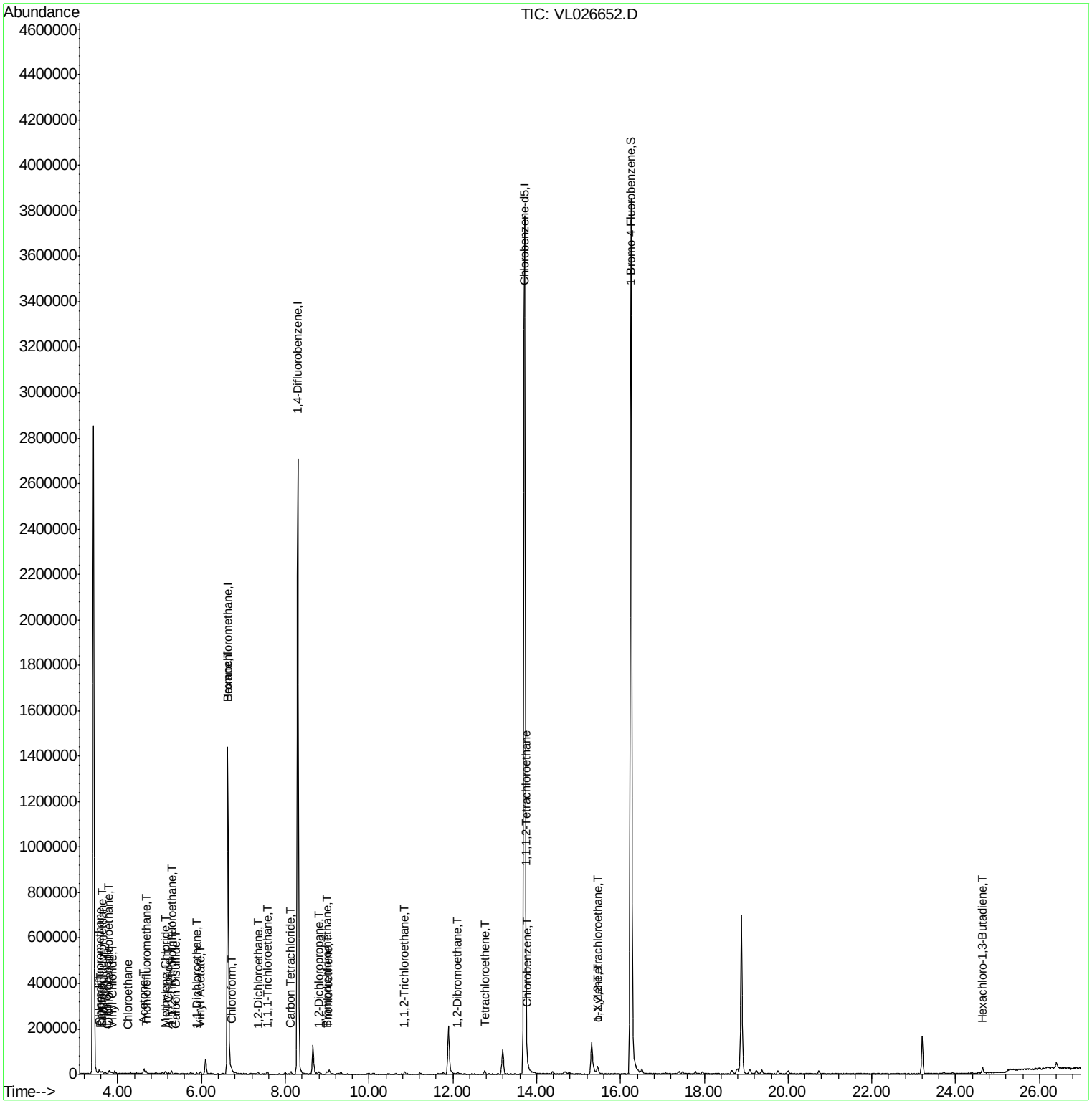
(#) = qualifier out of range (m) = manual integration (+) = signals summed

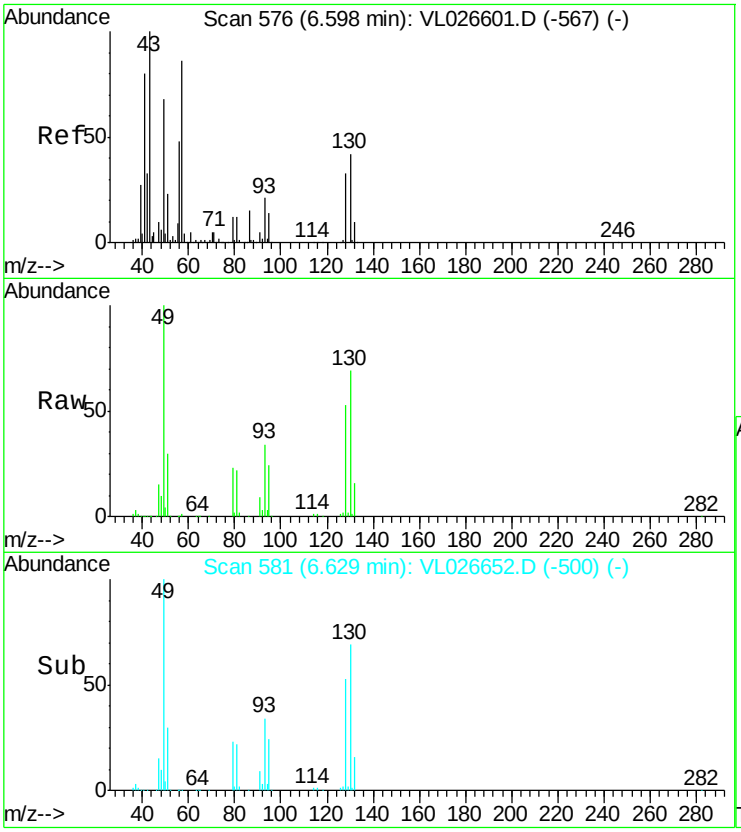
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026652.D
Acq On : 8 Jan 2016 18:38
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Jan 08 22:15:30 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 08 22:06:23 2016
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration



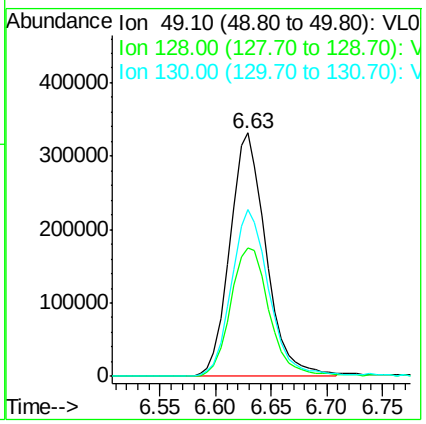


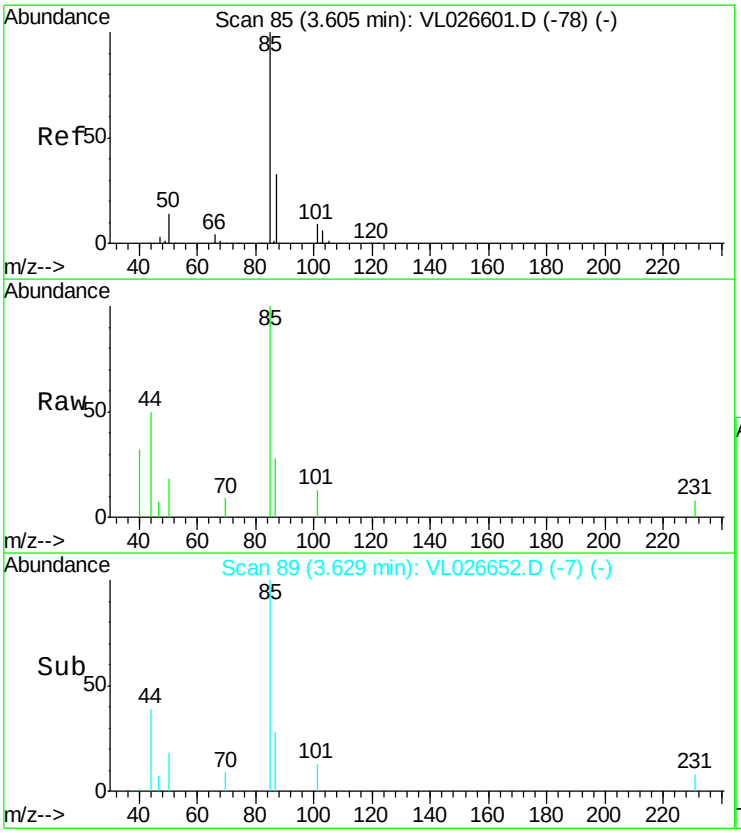
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 748139

Ion	Ratio	Lower	Upper
49	100		
128	57.7	25.9	77.7
130	71.9	33.6	100.8

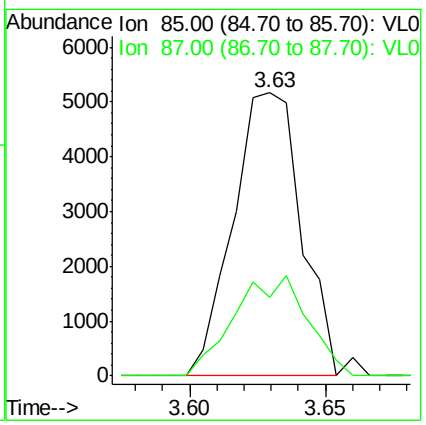


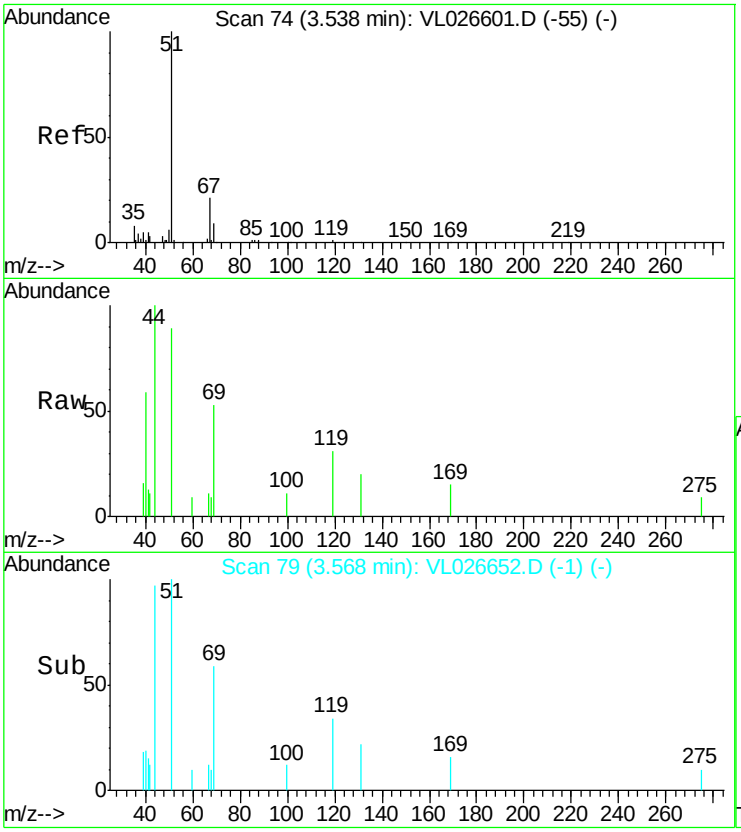


#2
Dichlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 85 Resp: 8970

Ion	Ratio	Lower	Upper
85	100		
87	27.7	26.4	39.6

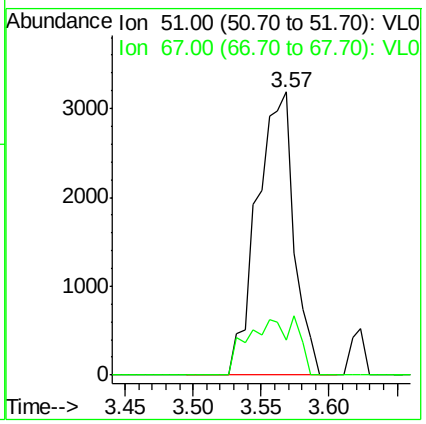




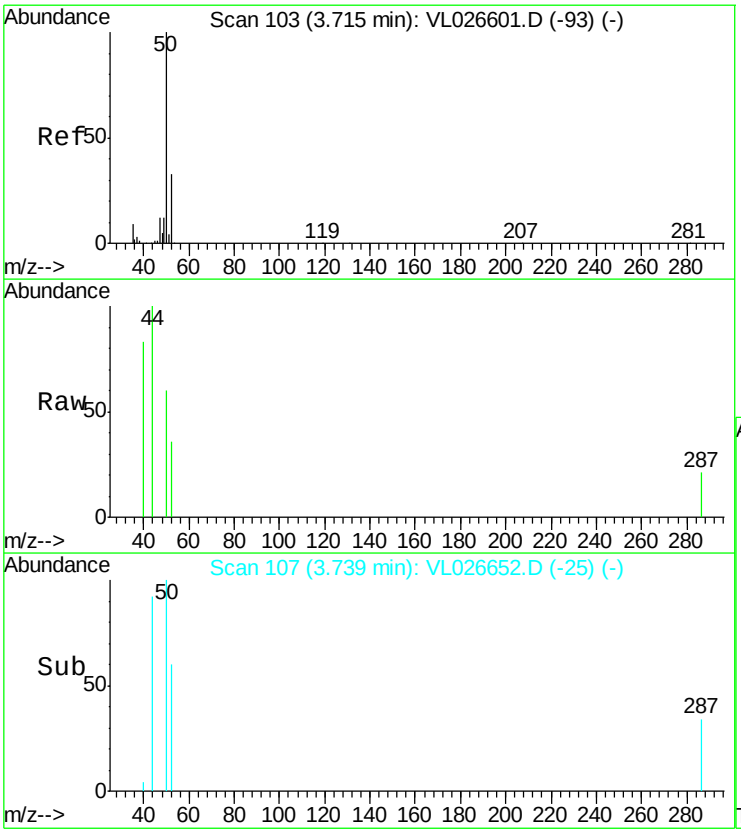
#3
Chlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.57 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 51 Resp: 6072

Ion	Ratio	Lower	Upper
51	100		
67	26.5	18.6	28.0



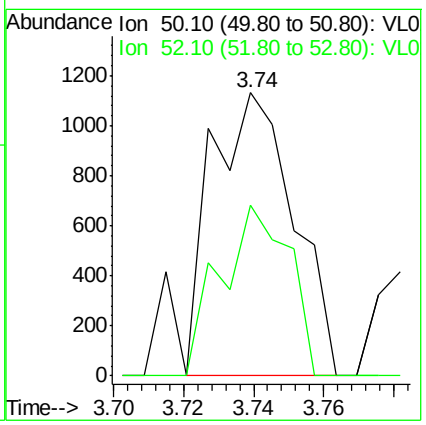
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

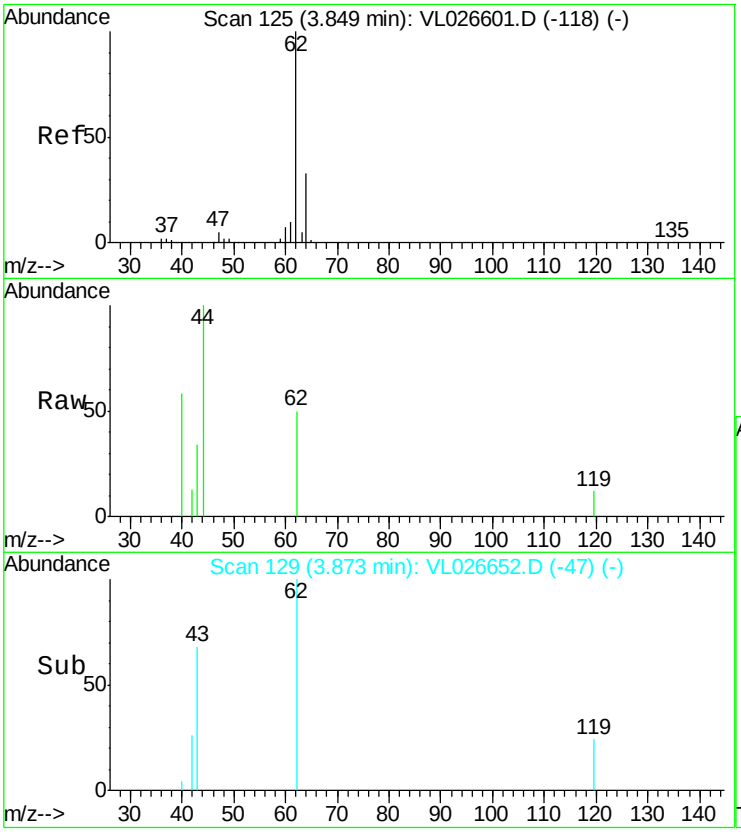


#4
Chloromethane
Concen: 0.04 ppbv
RT: 3.74 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 50 Resp: 1846

Ion	Ratio	Lower	Upper
50	100		
52	60.2	26.7	40.1#



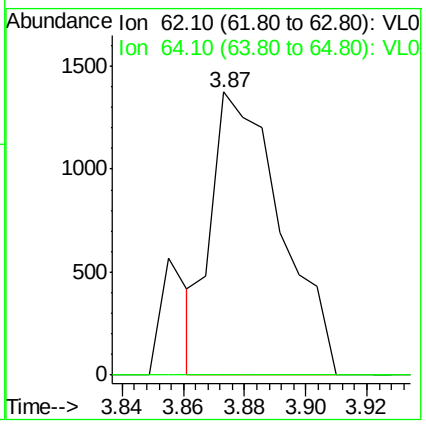


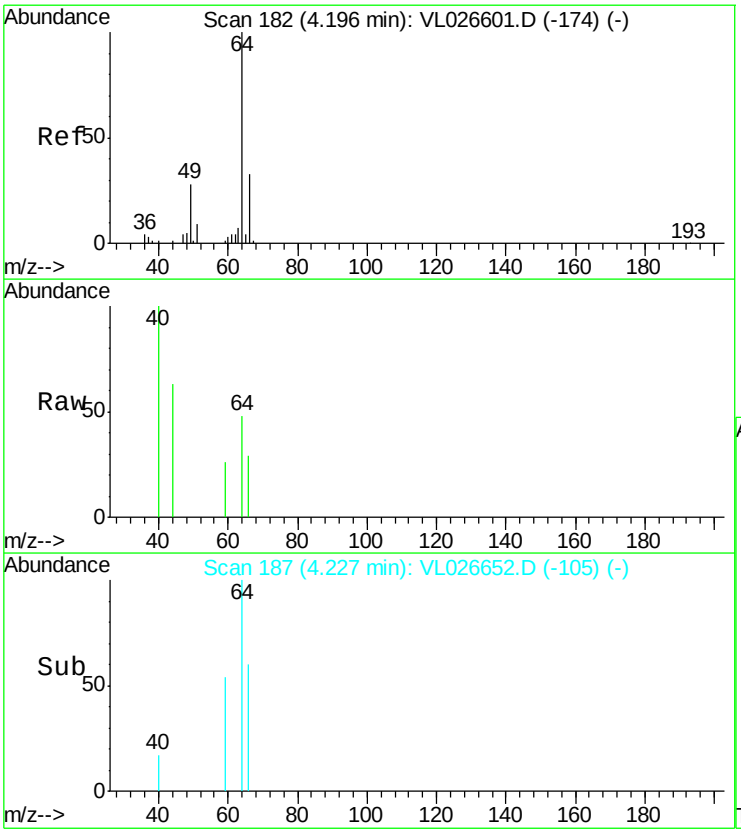
#5
Vinyl Chloride
Concen: 0.04 ppbv
RT: 3.87 min Scan# 129
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 62 Resp: 2164

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.6	38.4#

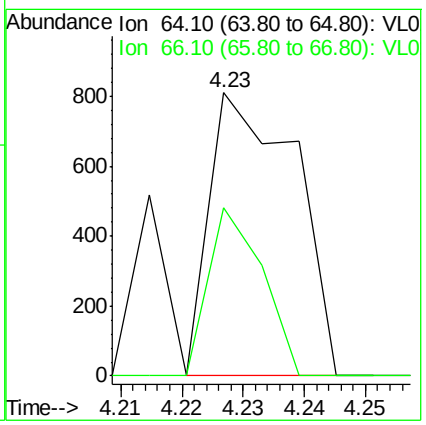


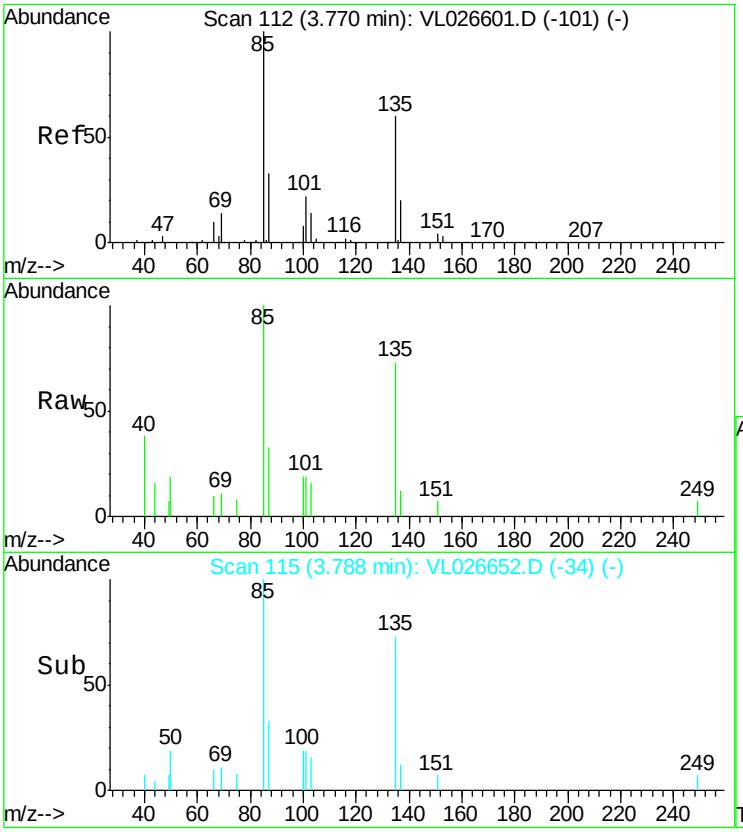


#7
Chloroethane
Concen: 0.03 ppbv
RT: 4.23 min Scan# 187
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 64 Resp: 786

Ion	Ratio	Lower	Upper
64	100		
66	59.5	24.3	36.5#



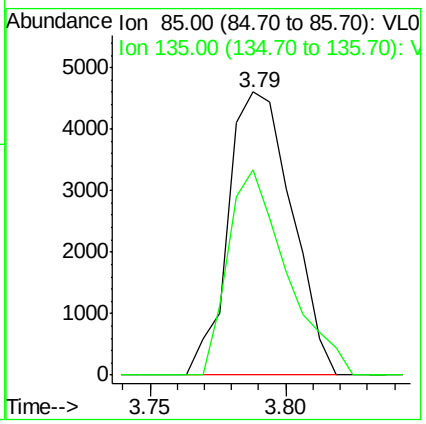


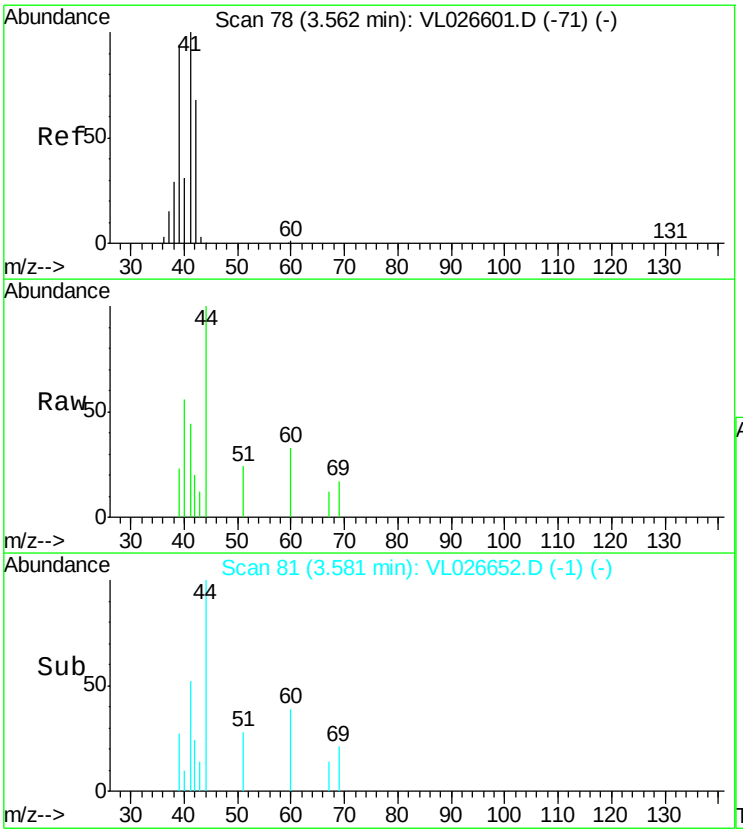
#8
Dichlorotetrafluoroethane
Concen: 0.05 ppbv
RT: 3.79 min Scan# 115
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 85 Resp: 7437

Ion	Ratio	Lower	Upper
85	100		
135	67.5	49.8	74.6

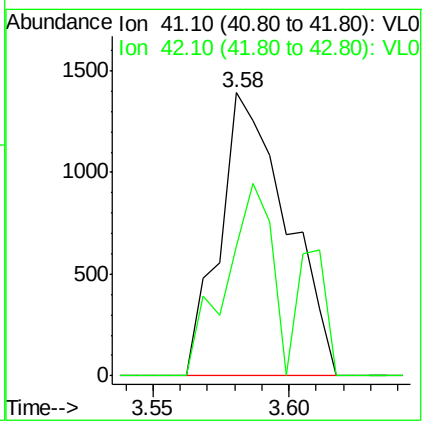


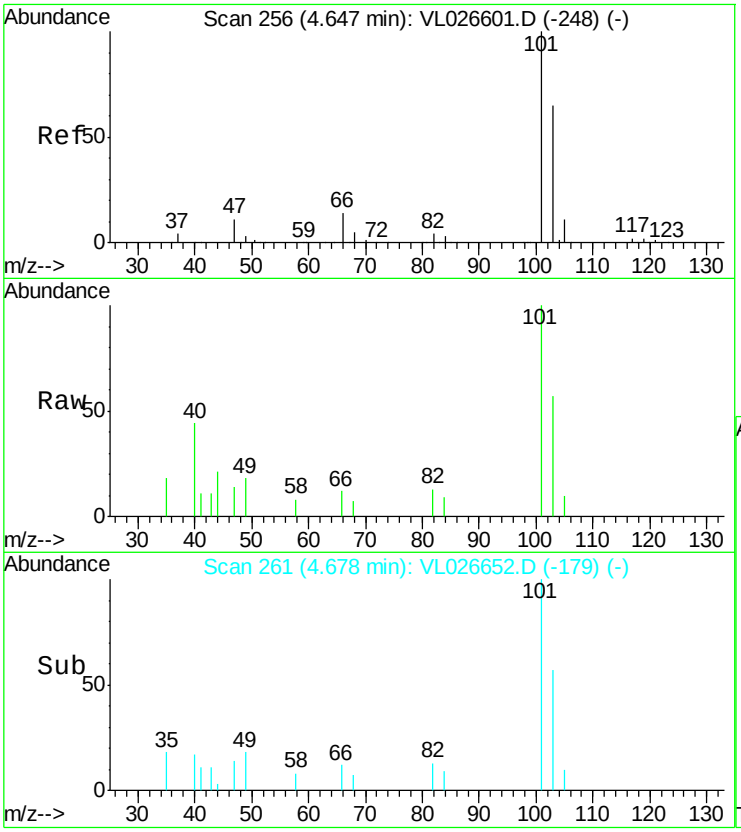


#9
Propene
Concen: 0.07 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 41 Resp: 2378

Ion	Ratio	Lower	Upper
41	100		
42	65.3	53.6	80.4



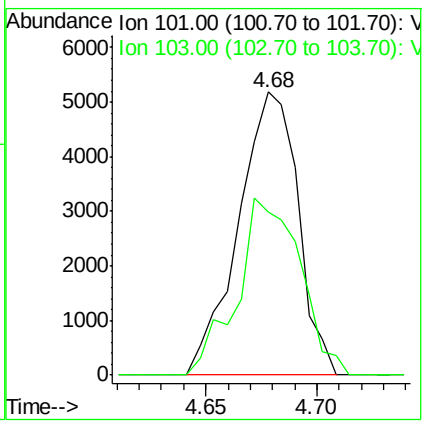


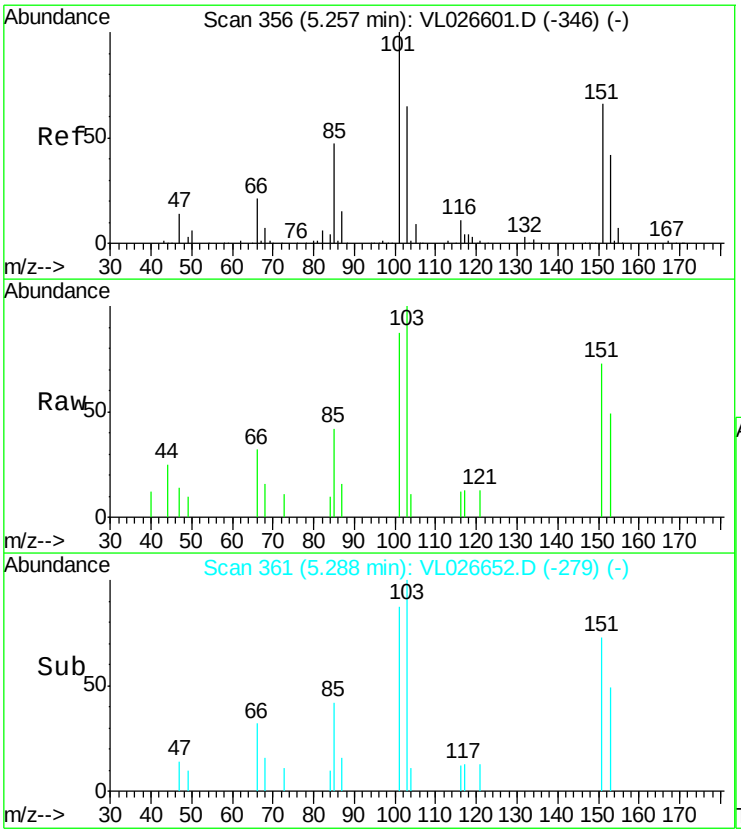
#11
Trichlorofluoromethane
Concen: 0.05 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 9650

Ion	Ratio	Lower	Upper
101	100		
103	57.4	51.7	77.5

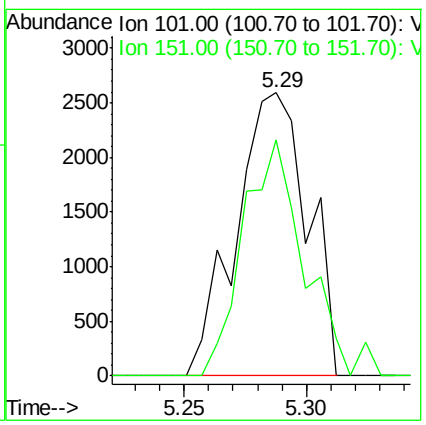


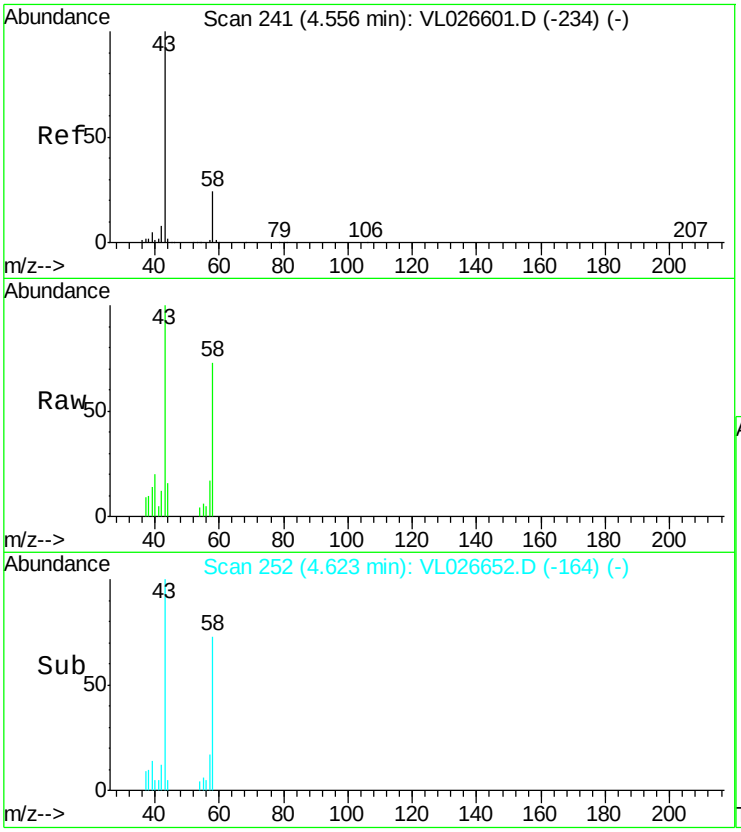


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.04 ppbv
RT: 5.29 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion:101 Resp: 5297

Ion	Ratio	Lower	Upper
101	100		
151	71.8	54.2	81.4



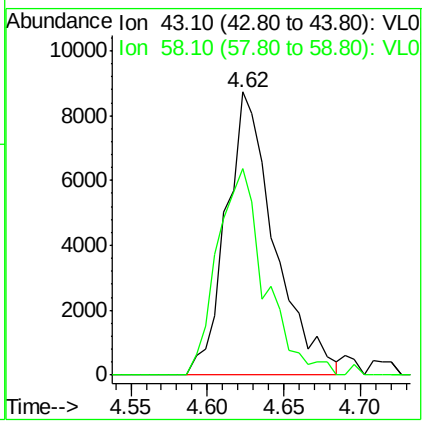


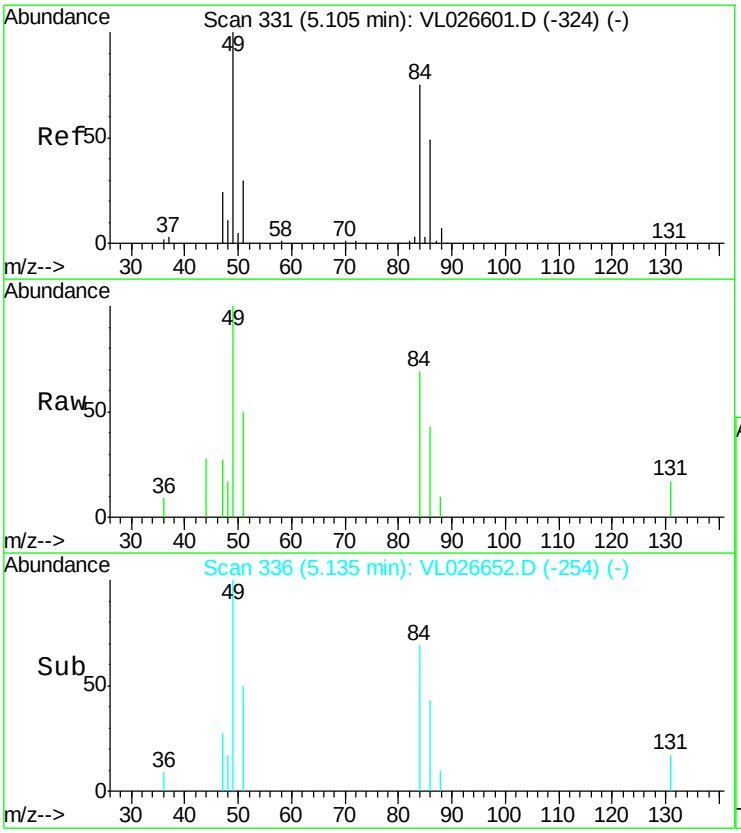
#15
Acetone
Concen: 0.17 ppbv
RT: 4.62 min Scan# 252
Delta R.T. 0.04 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 19110

Ion	Ratio	Lower	Upper
43	100		
58	73.0	19.2	28.8#

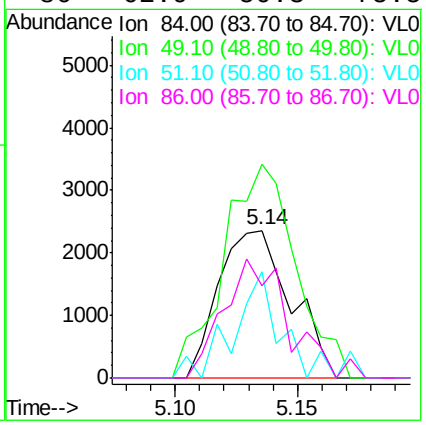


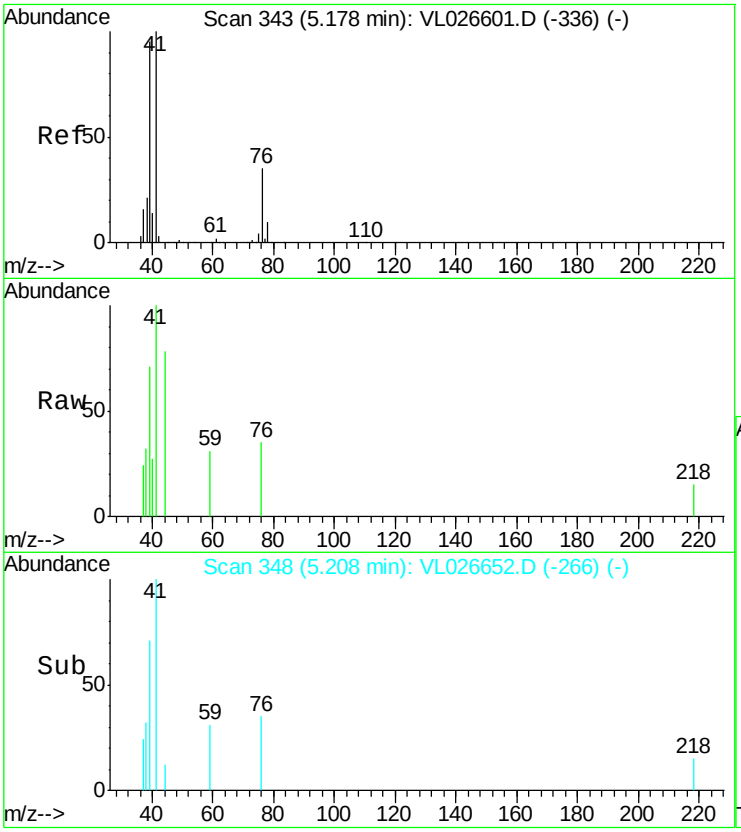


#20
Methylene Chloride
Concen: 0.10 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 84 Resp: 4849

Ion	Ratio	Lower	Upper
84	100		
49	119.1	112.3	168.5
51	71.7	32.5	48.7#
86	62.9	50.3	75.5



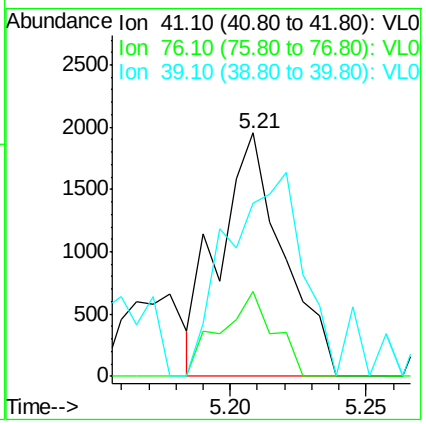


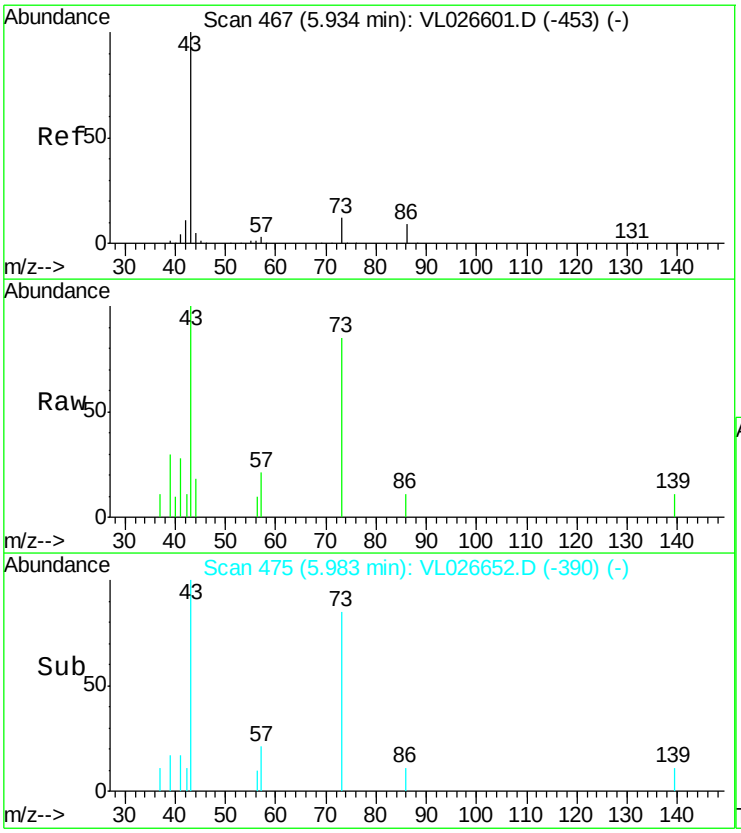
#21
Allvl Chloride
Concen: 0.04 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 41 Resp: 3189

Ion	Ratio	Lower	Upper
41	100		
76	29.0	27.5	41.3
39	141.5	83.2	124.8#

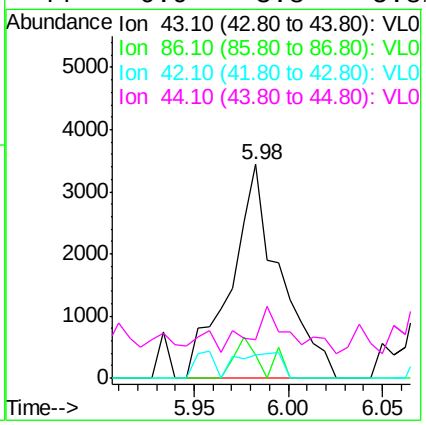


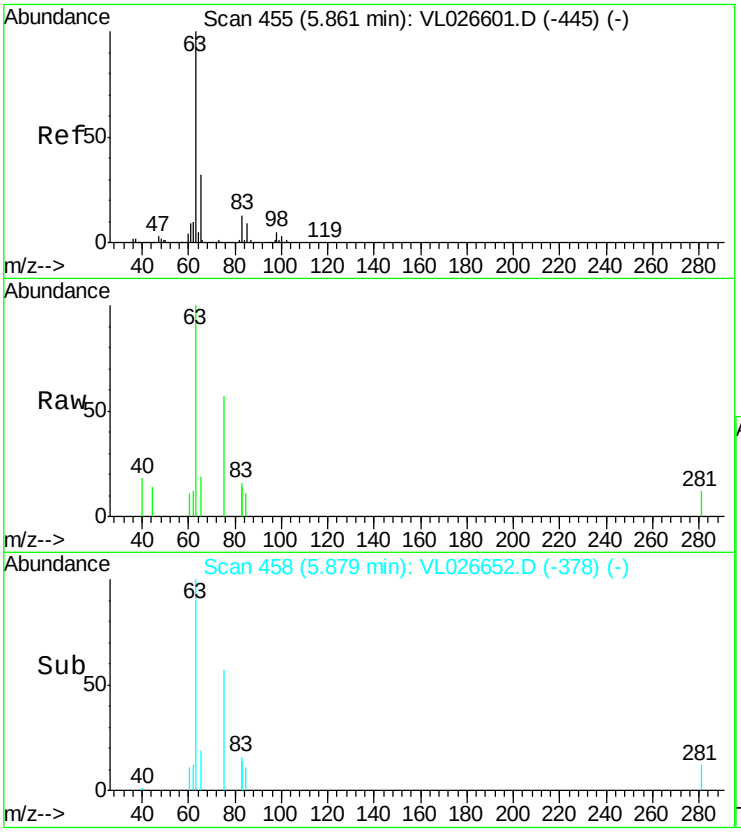


#23
Vinyl Acetate
Concen: 0.03 ppbv
RT: 5.98 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 43 Resp: 6226

Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.4	11.0
42	11.1	9.2	13.8
44	6.9	3.8	5.8#



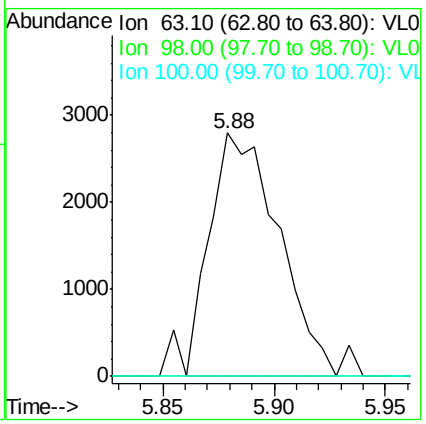


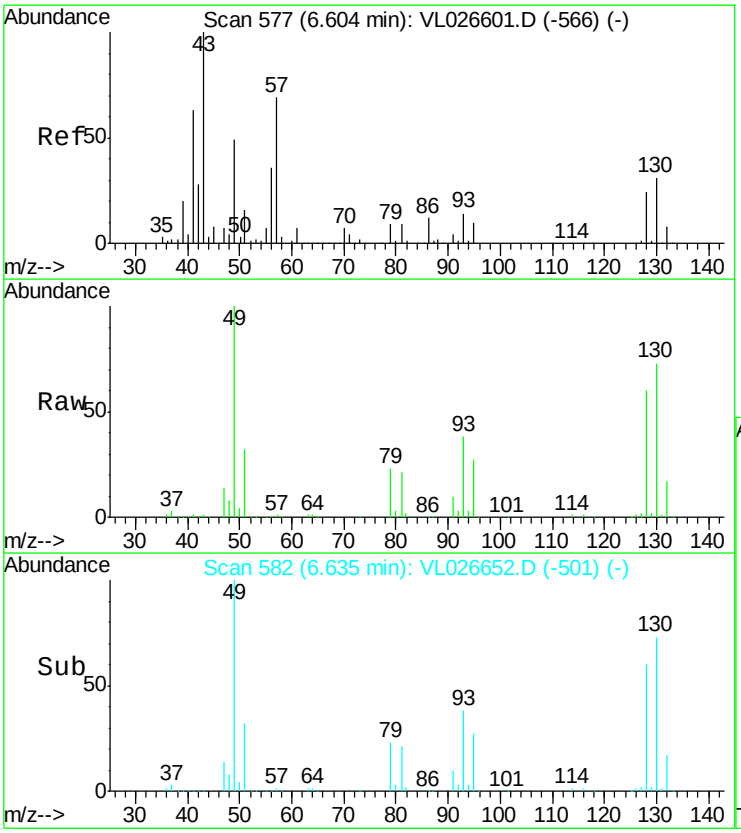
#24
1,1-Dichloroethane
Concen: 0.05 ppbv
RT: 5.88 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 63 Resp: 5994

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.9	8.7#
100	0.0	1.6	4.8#

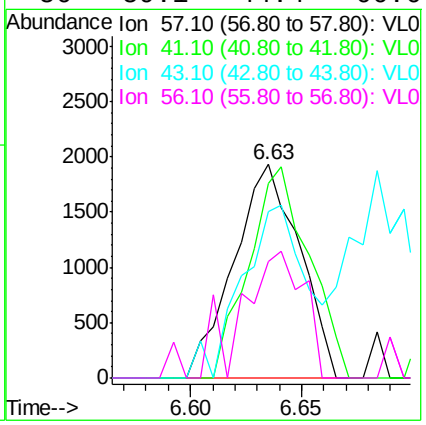


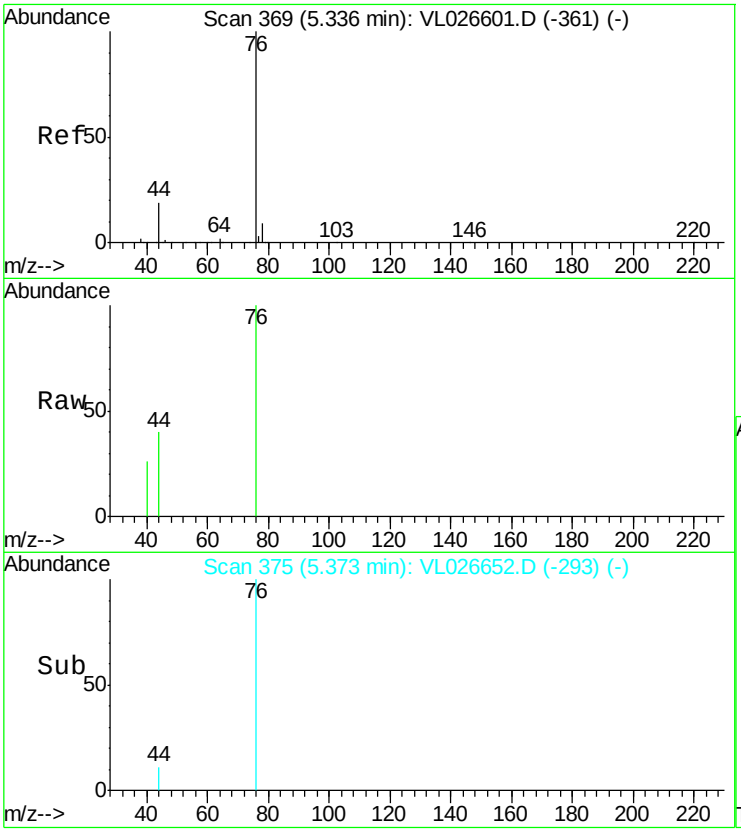


#26
Hexane
Concen: 0.04 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 57 Resp: 3970

Ion	Ratio	Lower	Upper
57	100		
41	93.7	74.8	112.2
43	186.6	161.5	242.3
56	59.1	44.4	66.6



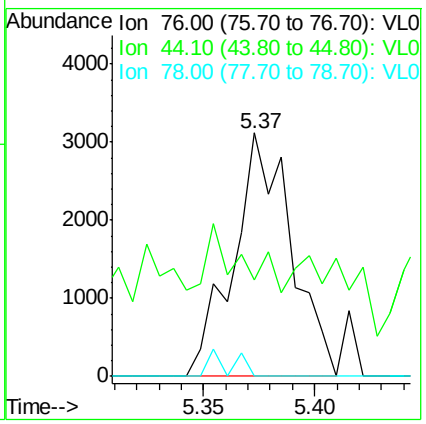


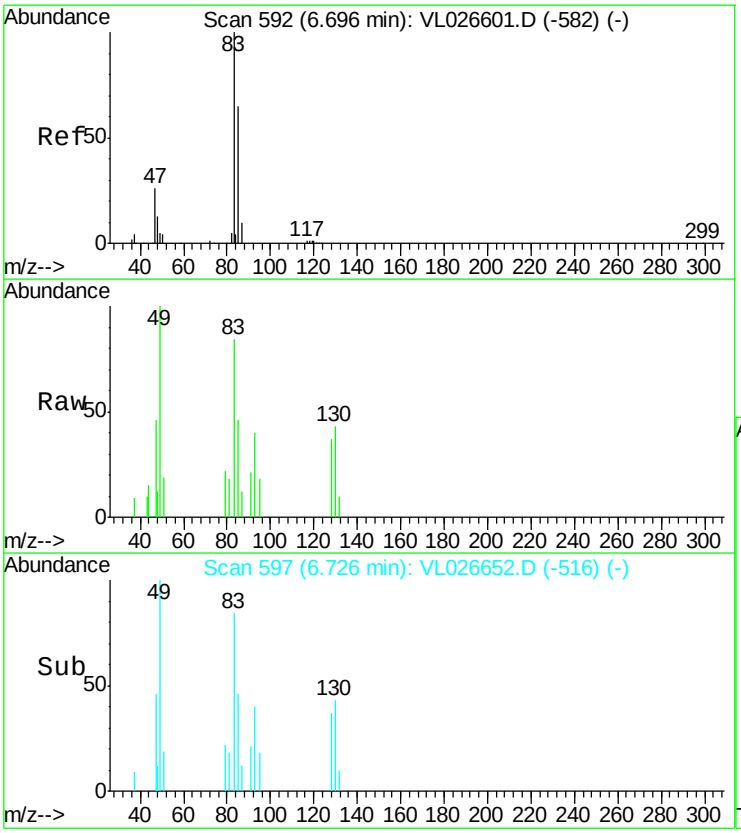
#27
Carbon Disulfide
Concen: 0.04 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 76 Resp: 5623

Ion	Ratio	Lower	Upper
76	100		
44	47.8	16.1	24.1#
78	0.0	7.4	11.0#

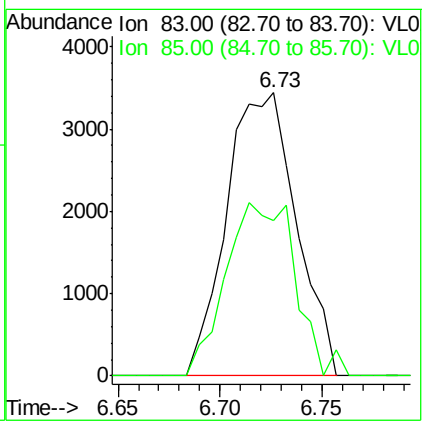


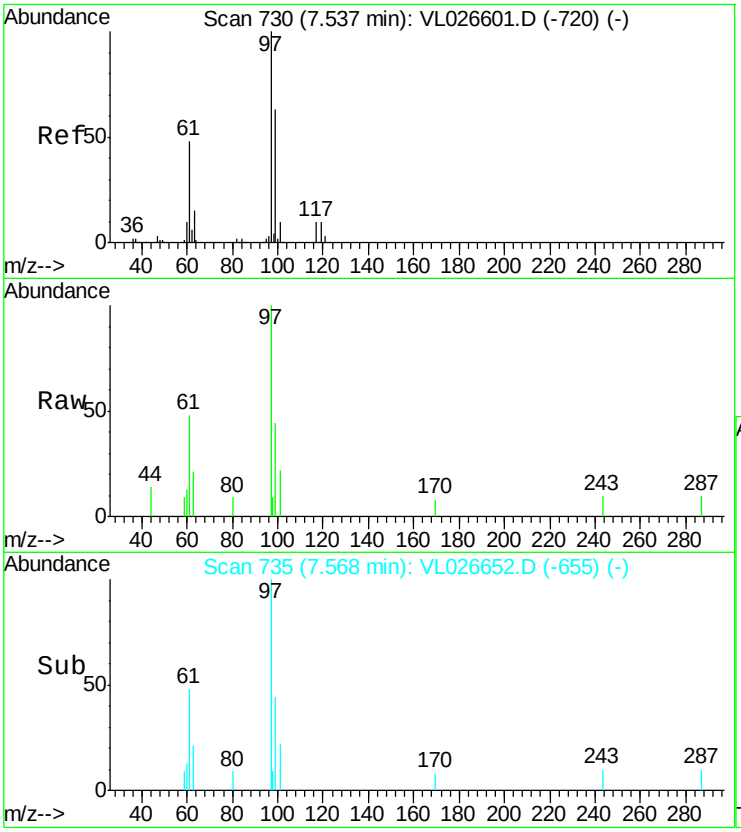


#29
Chloroform
Concen: 0.05 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 83 Resp: 8156

Ion	Ratio	Lower	Upper
83	100		
85	54.9	51.6	77.4



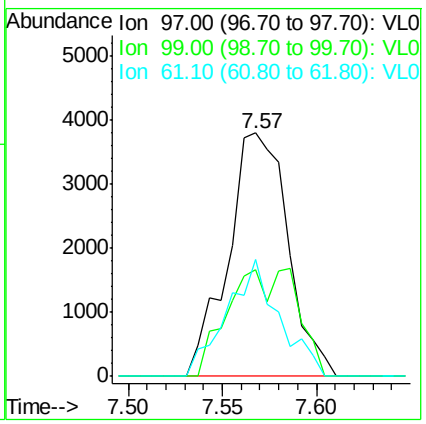


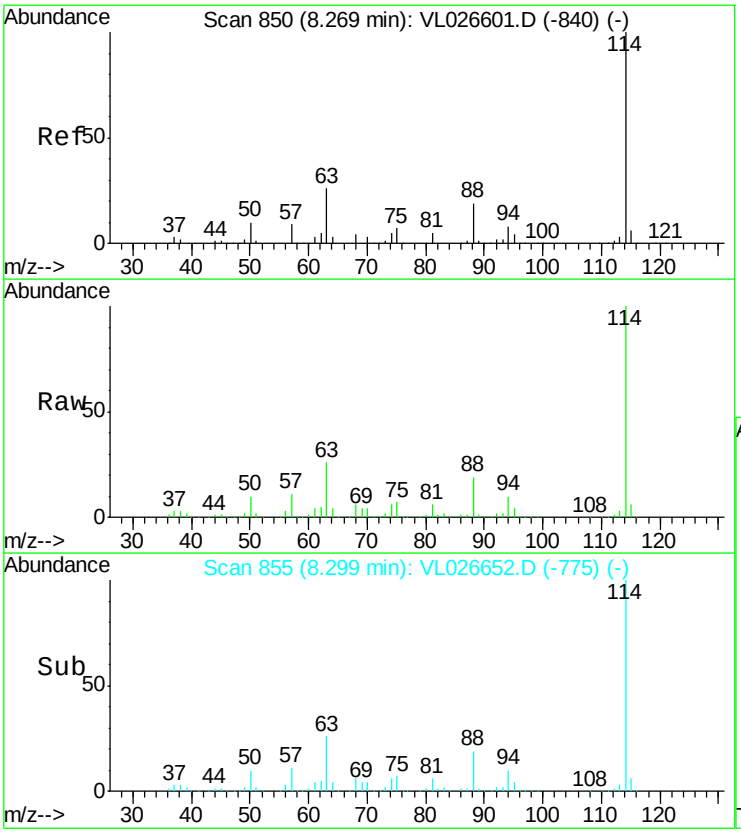
#32
1,1,1-Trichloroethane
Concen: 0.05 ppbv
RT: 7.57 min Scan# 735
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 97 Resp: 8393

Ion	Ratio	Lower	Upper
97	100		
99	51.4	50.8	76.2
61	41.7	38.6	58.0

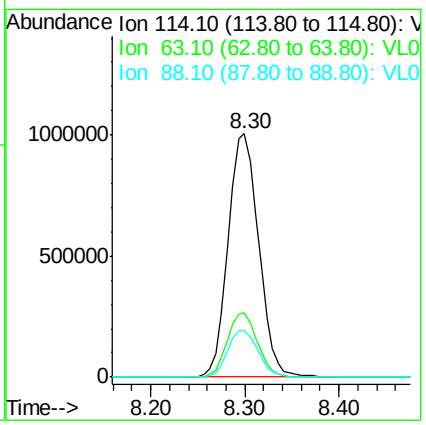


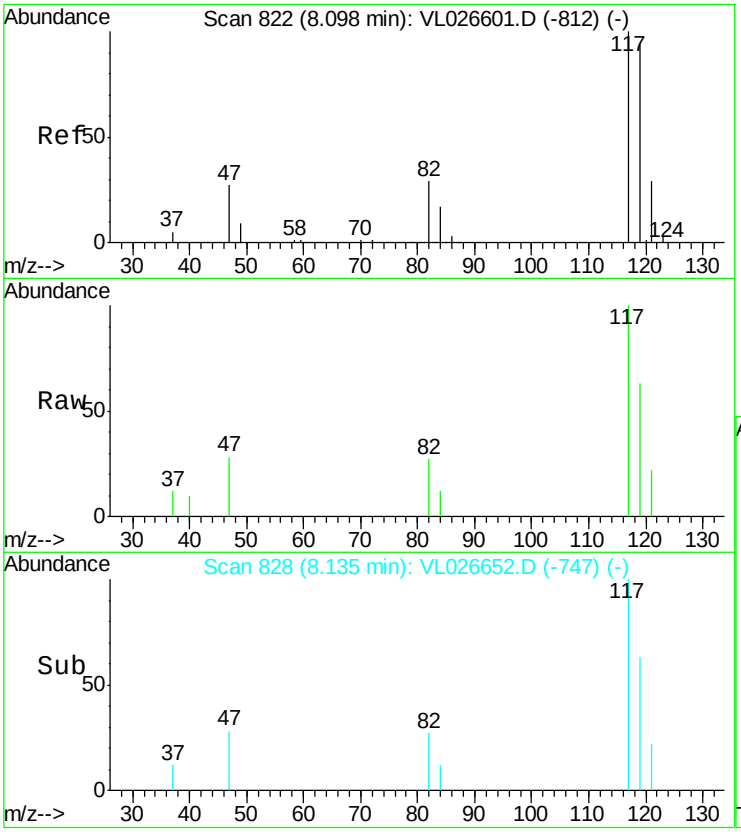


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.30 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion:114 Resp: 2274513

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.7	32.5
88	19.2	15.2	22.8



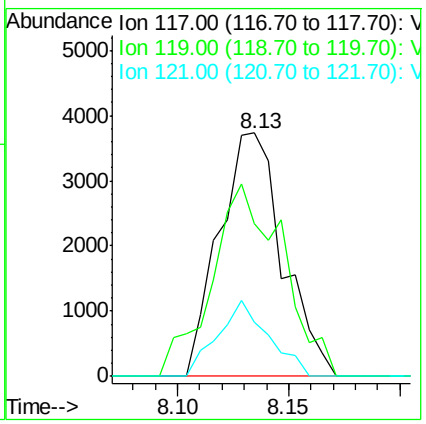


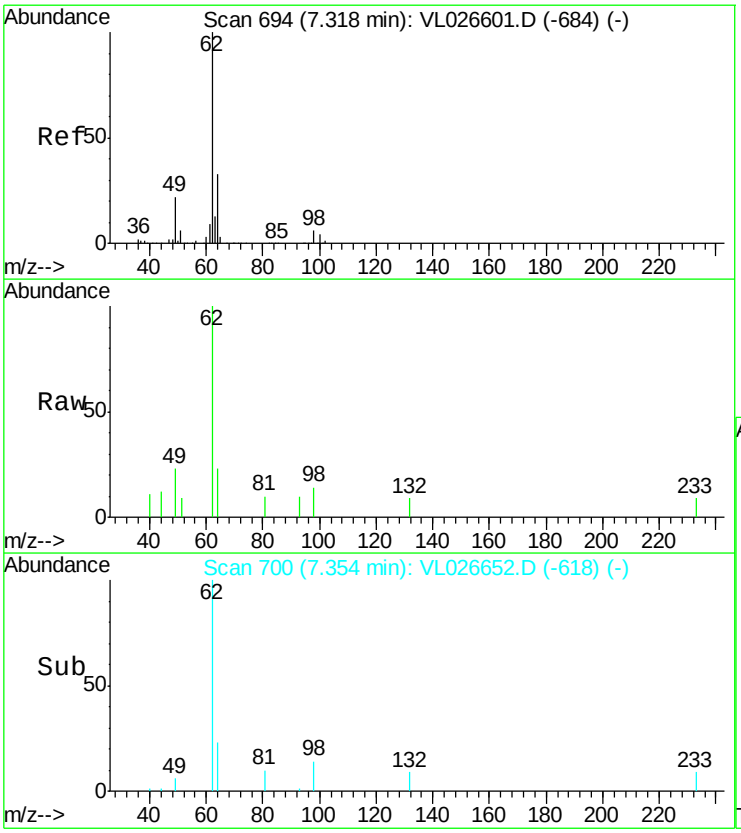
#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 8.13 min Scan# 828
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 7431

Ion	Ratio	Lower	Upper
117	100		
119	62.8	74.7	112.1#
121	22.3	23.1	34.7#

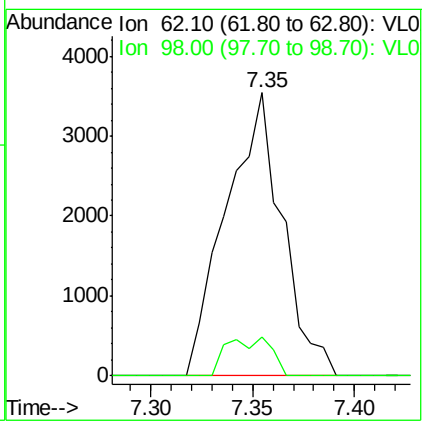


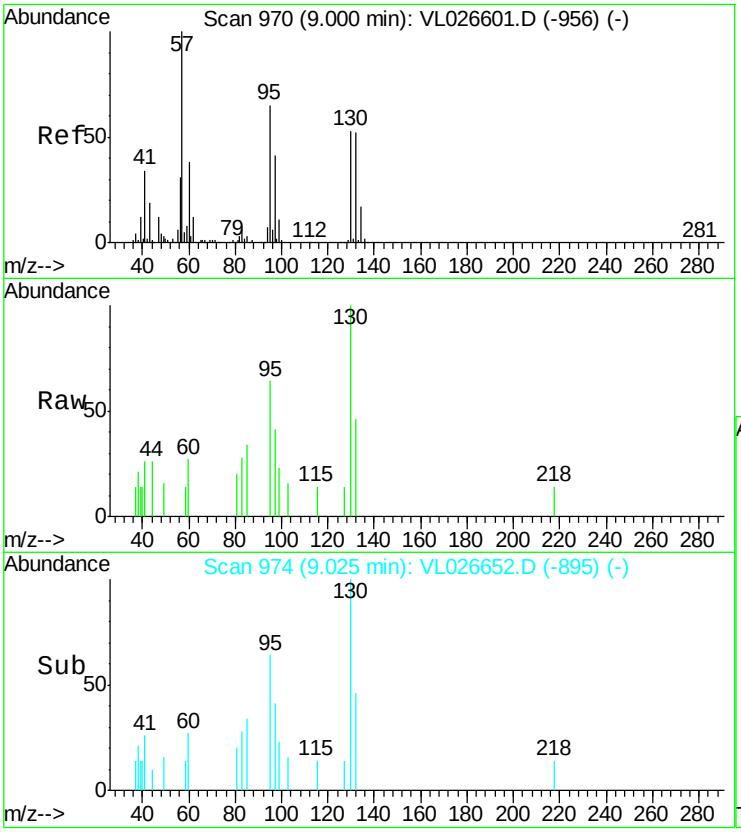


#37
1,2-Dichloroethane
Concen: 0.04 ppbv
RT: 7.35 min Scan# 700
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 62 Resp: 6769

Ion	Ratio	Lower	Upper
62	100		
98	10.8	4.8	7.2#



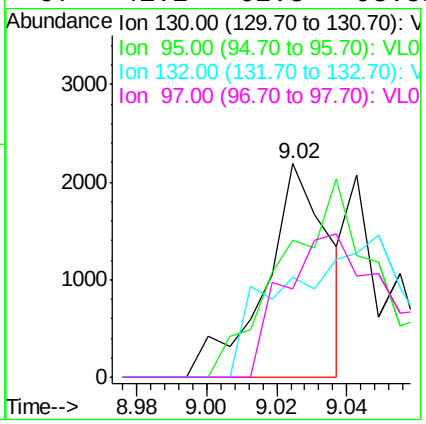


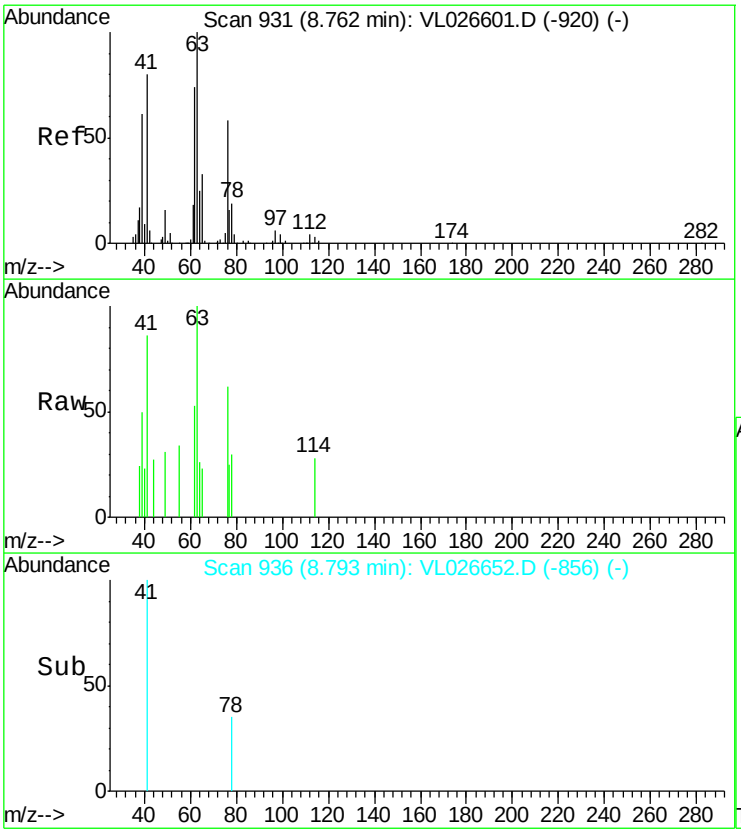
#38
Trichloroethene
Concen: 0.03 ppbv
RT: 9.02 min Scan# 974
Delta R.T. -0.02 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:130 Resp: 2771

Ion	Ratio	Lower	Upper
130	100		
95	64.0	96.6	145.0#
132	46.5	76.2	114.4#
97	41.2	62.3	93.5#

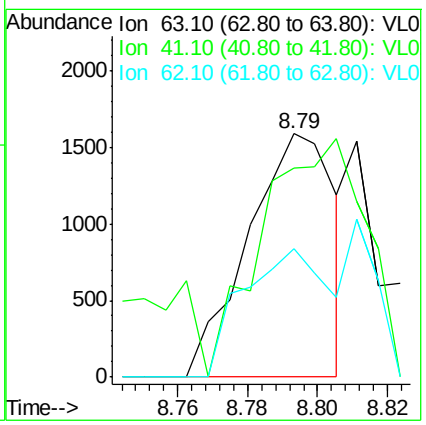


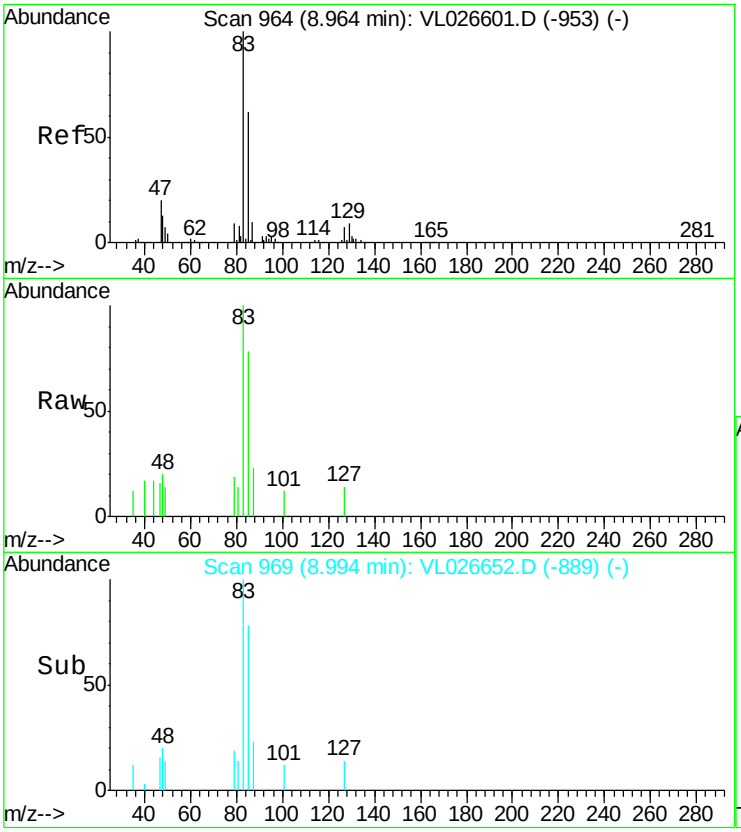


#39
1,2-Dichloropropane
Concen: 0.03 ppbv
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 63 Resp: 2723

Ion	Ratio	Lower	Upper
63	100		
41	46.4	64.1	96.1#
62	52.7	56.6	84.8#



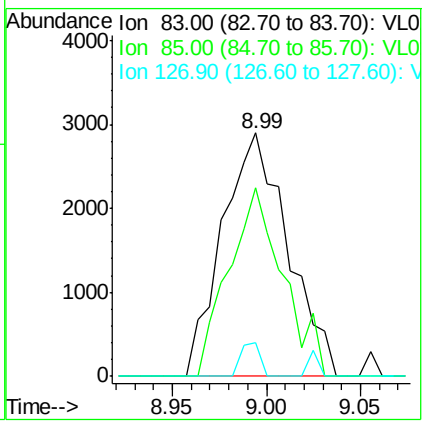


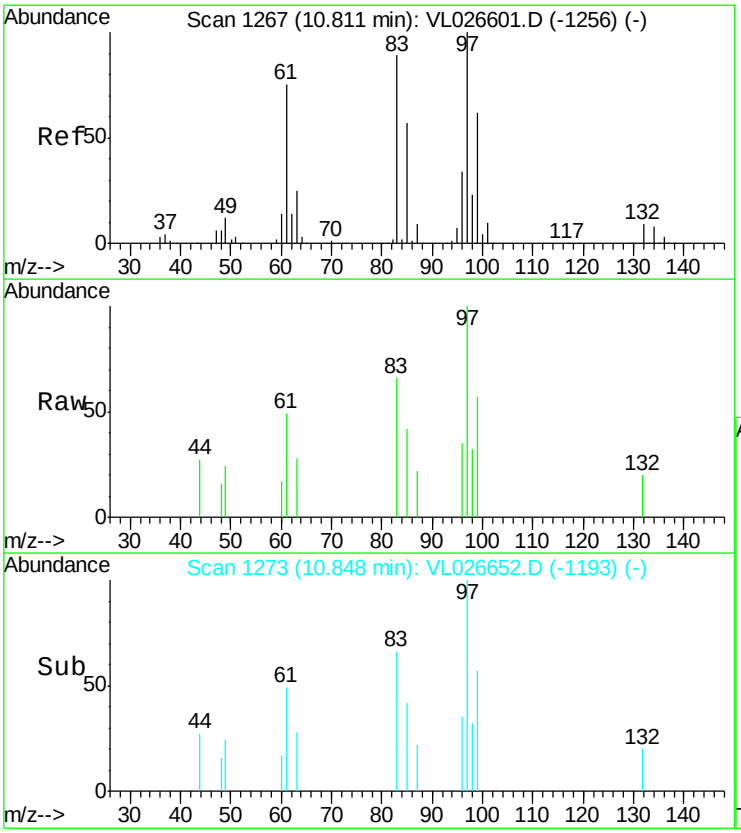
#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 8.99 min Scan# 969
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 83 Resp: 6990

Ion	Ratio	Lower	Upper
83	100		
85	77.5	50.9	76.3#
127	13.8	5.5	8.3#

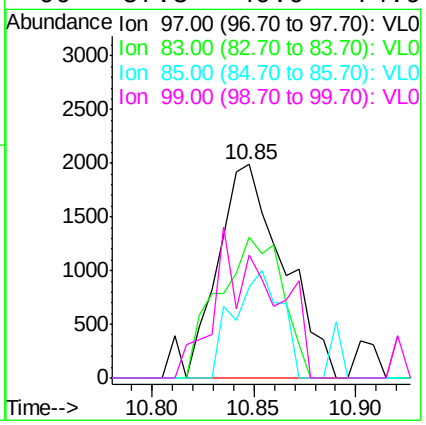


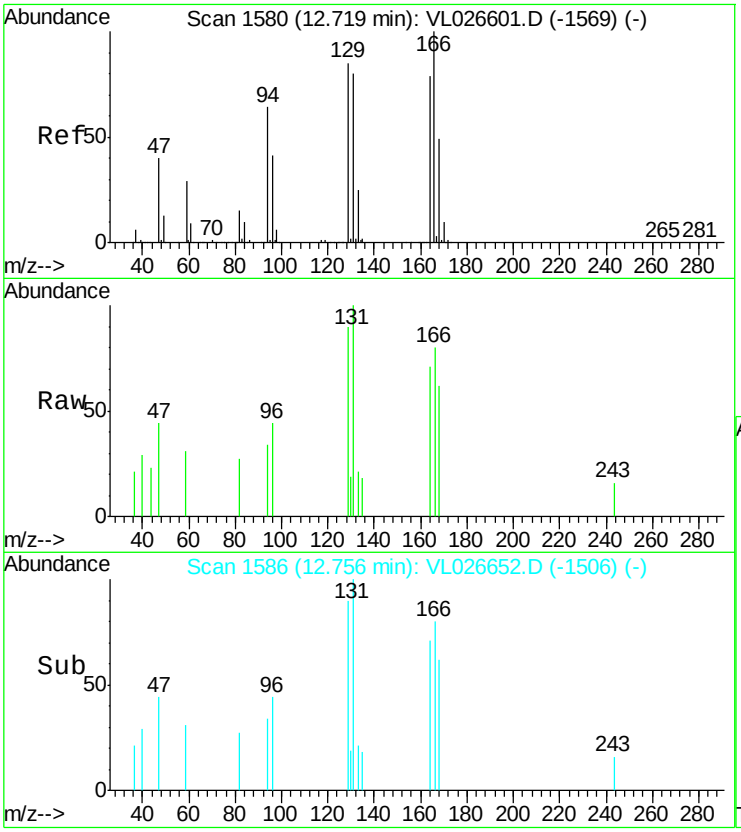


#47
1,1,2-Trichloroethane
Concen: 0.04 ppbv
RT: 10.85 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 97 Resp: 4420

Ion	Ratio	Lower	Upper
97	100		
83	66.0	69.5	104.3#
85	42.4	46.4	69.6#
99	57.3	49.9	74.9



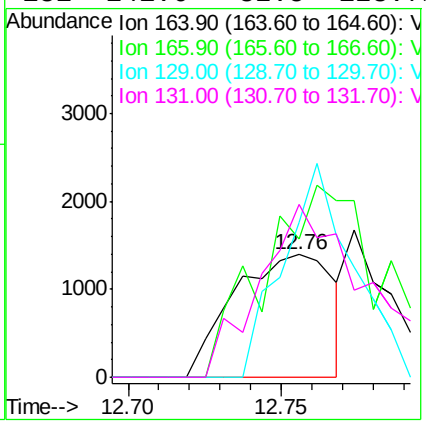


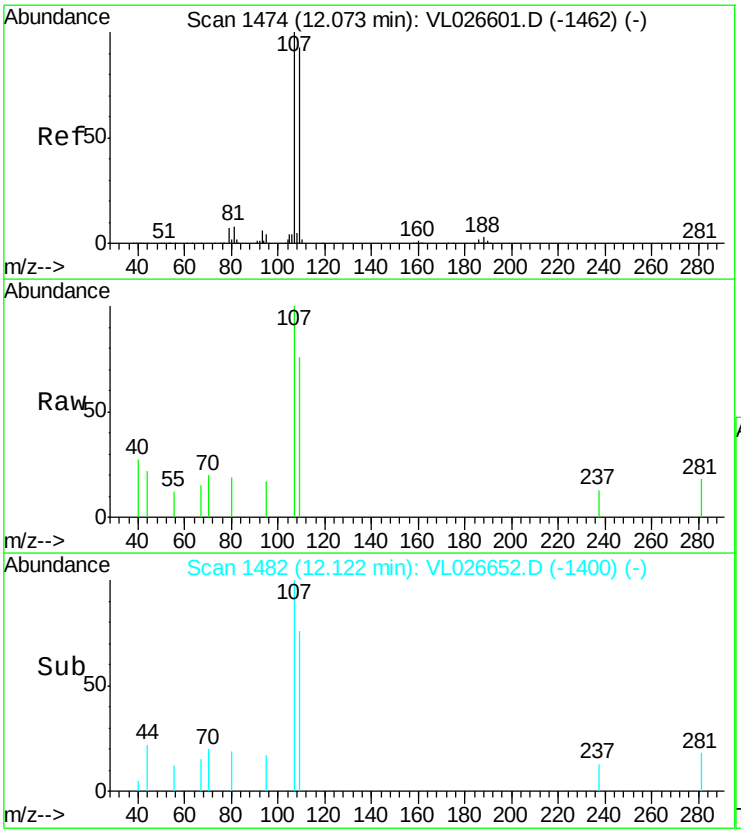
#52
Tetrachloroethene
Concen: 0.03 ppbv
RT: 12.76 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:164 Resp: 3152

Ion	Ratio	Lower	Upper
164	100		
166	113.1	102.5	153.7
129	126.9	87.0	130.6
131	141.6	82.5	123.7#

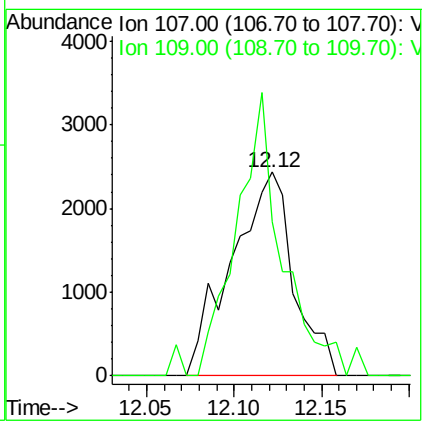


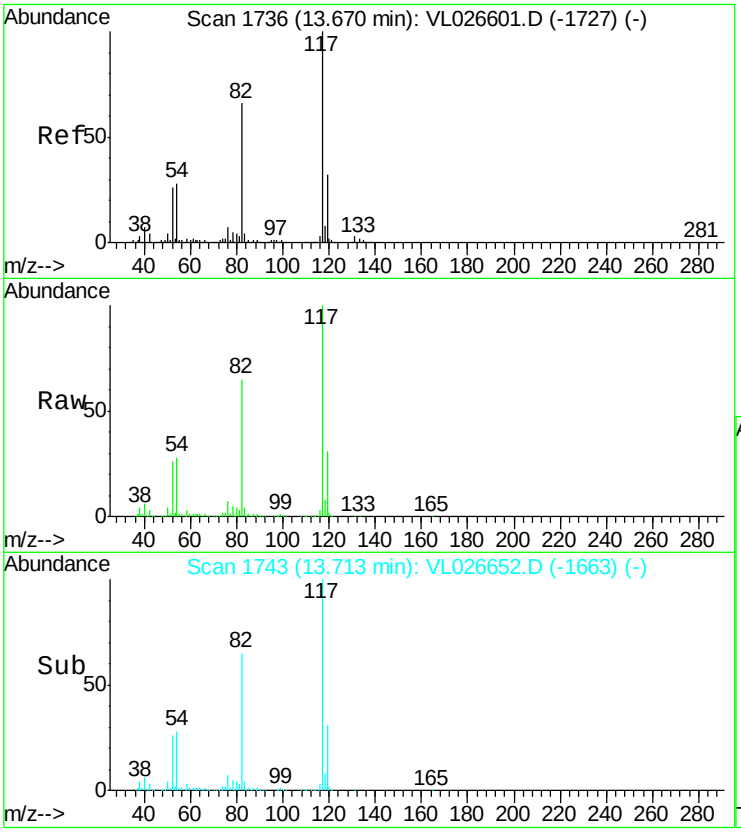


#54
1,2-Dibromoethane
Concen: 0.03 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion:107 Resp: 6056

Ion	Ratio	Lower	Upper
107	100		
109	75.7	74.1	111.1



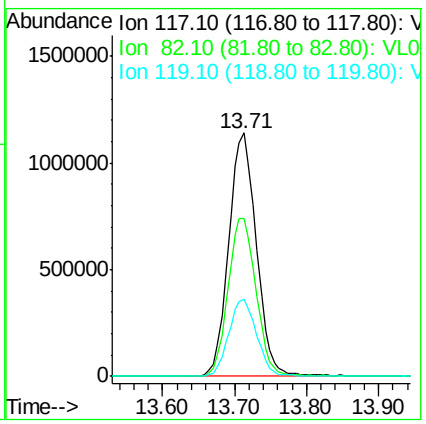


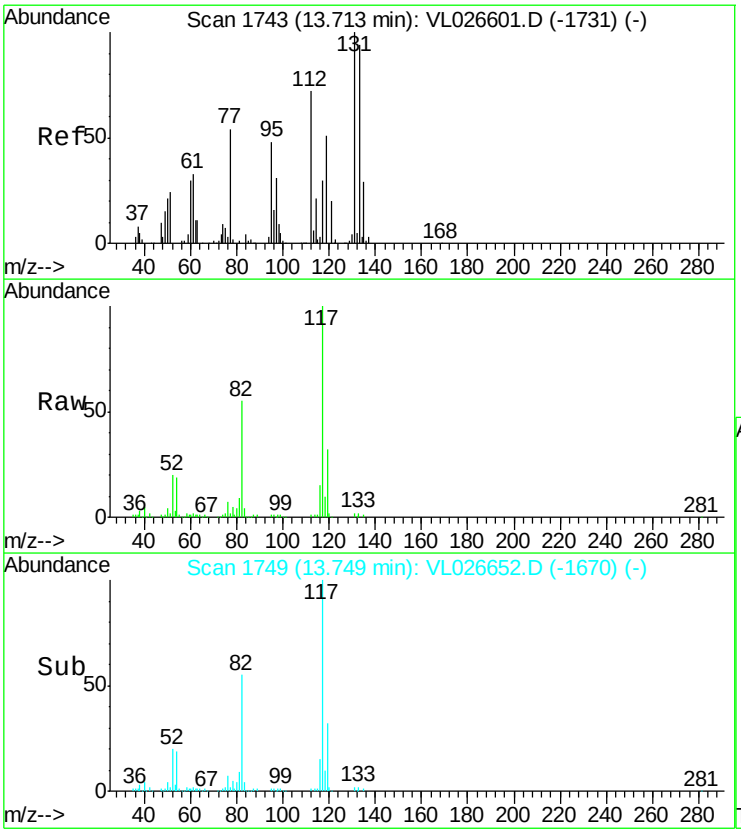
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 3044788

Ion	Ratio	Lower	Upper
117	100		
82	66.3	52.4	78.6
119	32.1	46.1	69.1#

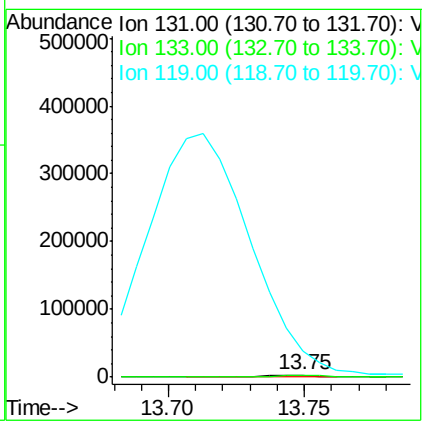


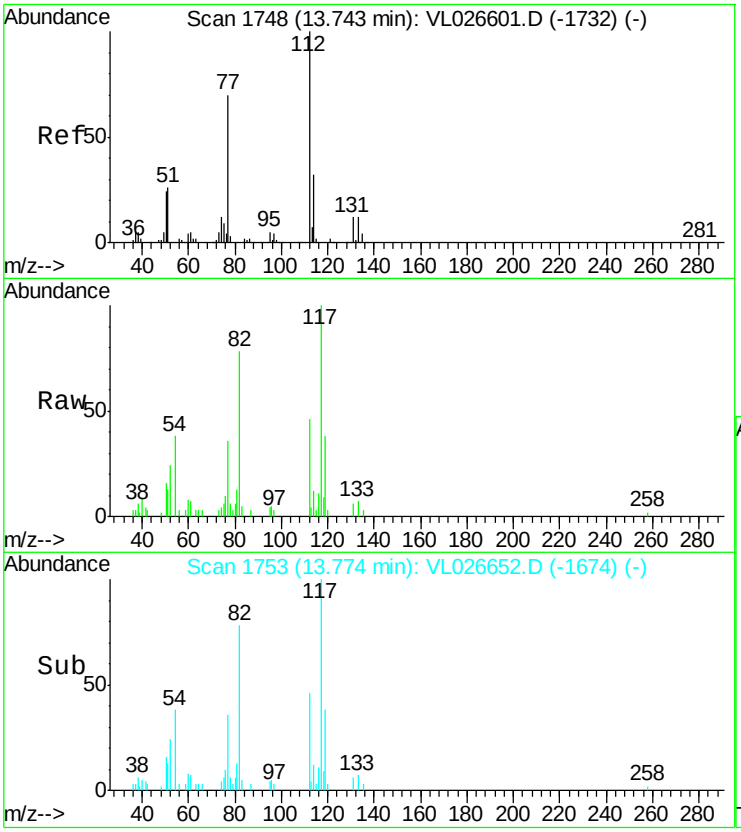


#56
1,1,1,2-Tetrachloroethane
Concen: 0.03 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.02 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion:131 Resp: 4105

Ion	Ratio	Lower	Upper
131	100		
133	121.8	76.2	114.4#
119	0.0	104.3	156.5#



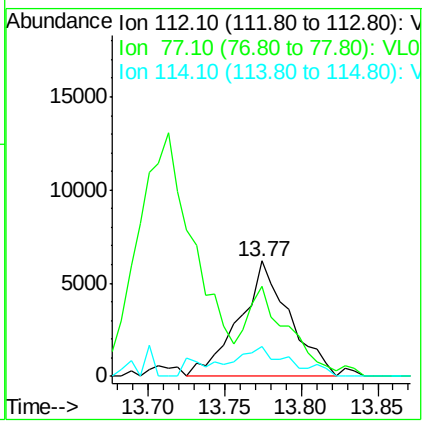


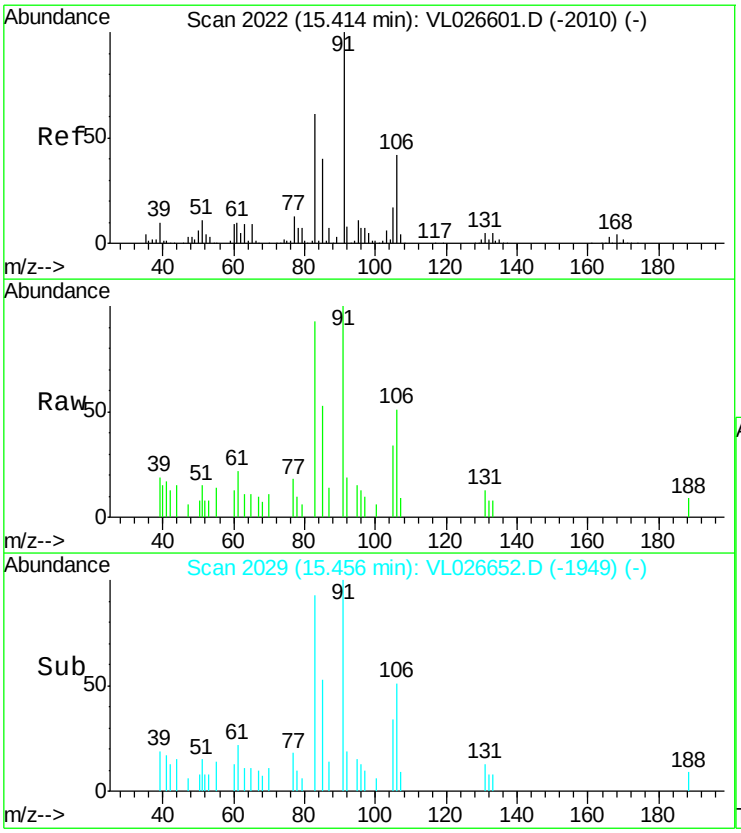
#57
Chlorobenzene
Concen: 0.05 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. -0.02 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 14152

Ion	Ratio	Lower	Upper
112	100		
77	73.3	56.9	85.3
114	26.5	28.8	35.2#

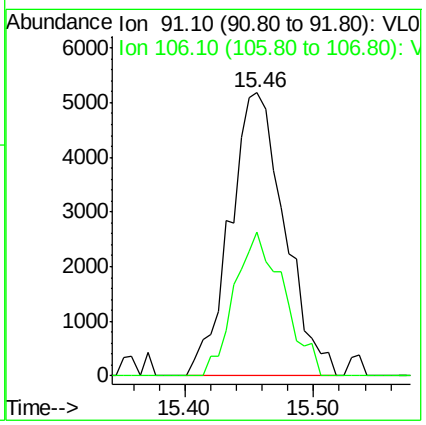


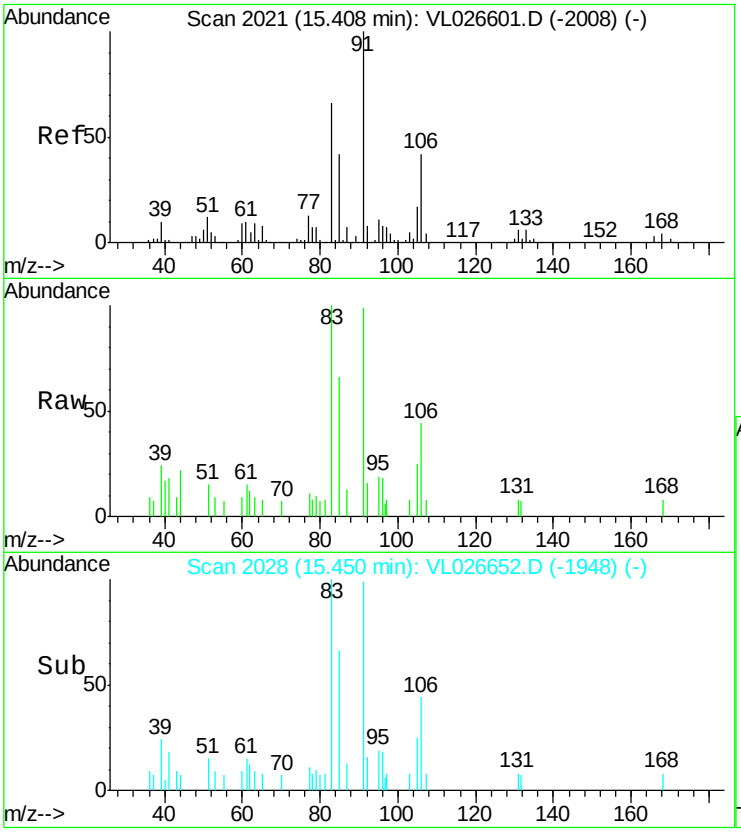


#60
o-Xylene
Concen: 0.03 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 91 Resp: 15214

Ion	Ratio	Lower	Upper
91	100		
106	45.9	21.4	64.3



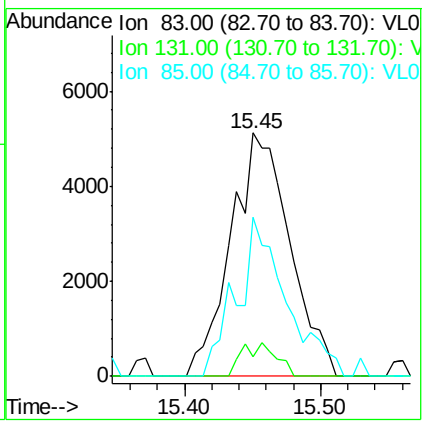


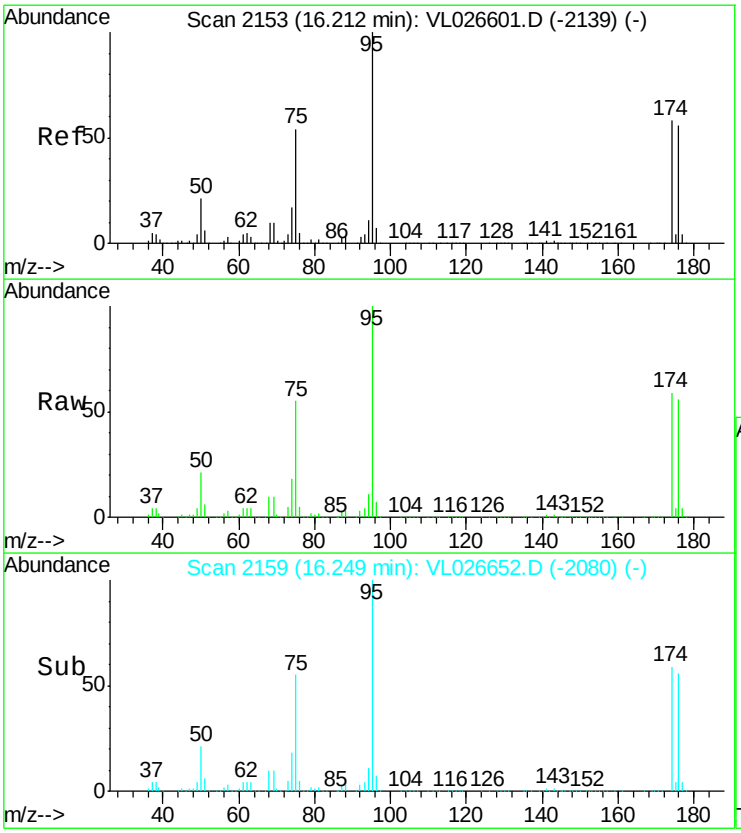
#63
1,1,2,2-Tetrachloroethane
Concen: 0.06 ppbv
RT: 15.45 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 15536

Ion	Ratio	Lower	Upper
83	100		
131	8.0	4.5	13.4
85	55.9	32.6	97.7

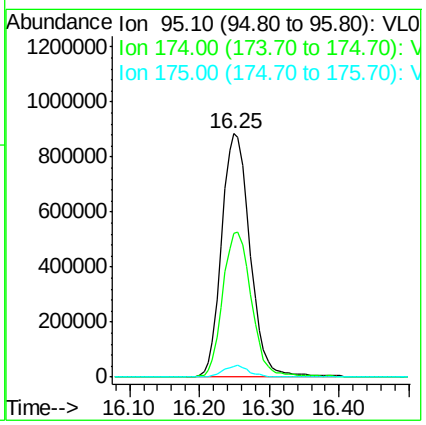


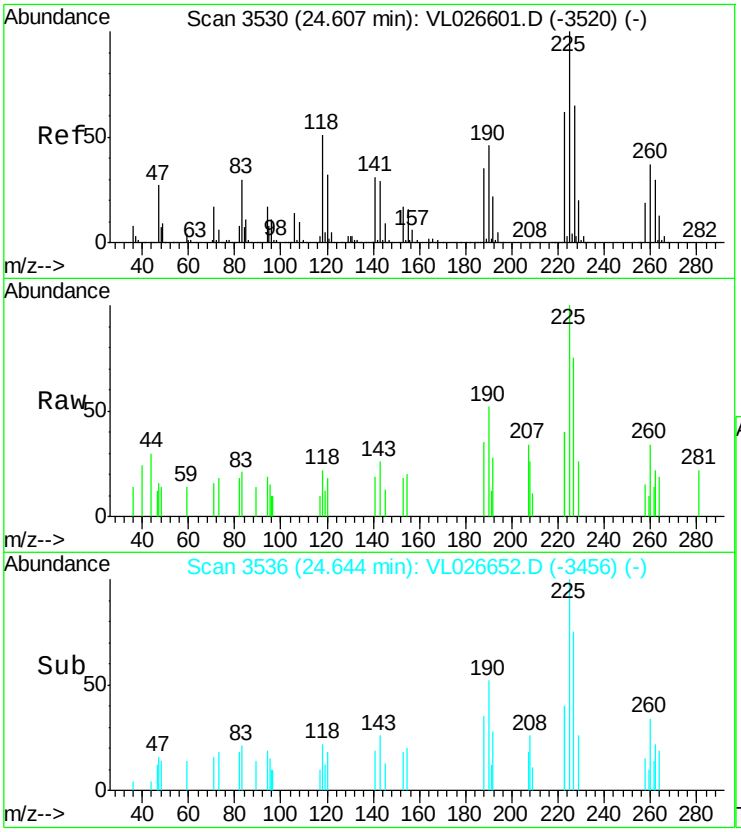


#68
1-Bromo-4-Fluorobenzene
Concen: 10.24 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Tgt Ion: 95 Resp: 2512606

Ion	Ratio	Lower	Upper
95	100		
174	60.6	47.8	71.6
175	4.5	3.5	5.3





#78
Hexachloro-1,3-Butadiene
Concen: 0.05 ppbv
RT: 24.64 min Scan# 3536
Delta R.T. -0.01 min
Lab File: VL026652.D
Acq: 8 Jan 2016 18:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:225 Resp: 6227

Ion	Ratio	Lower	Upper
225	100		
223	76.5	50.0	75.0#
227	62.1	51.1	76.7