Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL072715\
Data File : VL025749.D
Acq On : 27 Jul 2015 11:11
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 27 12:02:15 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	694987	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.33	114	1911584	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.75	117	2856072	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.29	95	1783668	7.40	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 74.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.64	85	1330514	7.39	ppbv		100
3) Chlorodifluoromethane	3.56	51	804410	8.21	ppbv		99
4) Chloromethane	3.75	50	370355	8.29	ppbv		100
5) Vinyl Chloride	3.89	62	412241	8.54	ppbv		99
6) Bromomethane	4.14	94	335010	8.56	ppbv		96
7) Chloroethane	4.23	64	192613	8.58	ppbv		99
8) Dichlorotetrafluoroethane	3.80	85	1287175	8.15	ppbv		100
9) Propene	3.59	41	274887	8.45	ppbv		99
10) Heptane	9.35	43	1178387	9.30	ppbv		98
11) Trichlorofluoromethane	4.69	101	1927562	8.25	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	5.30	101	1109257	8.28	ppbv		100
13) Ethanol	4.33	45	23382	4.62	ppbv		69
14) Bromoethene	4.45	108	376253	8.56	ppbv		99
15) Acetone	4.60	43	942262	7.67	ppbv		99
16) 1,3-Butadiene	3.96	39	410380	8.40	ppbv		99
17) tert-Butyl alcohol	5.12	59	903956	8.77	ppbv		99
18) 1,1-Dichloroethene	5.08	96	440331	8.59	ppbv		99
19) Isopropyl Alcohol	4.74	45	358044	7.31	ppbv	#	98
20) Methylene Chloride	5.15	84	401006	8.04	ppbv		97
21) Allyl Chloride	5.22	41	670885	8.73	ppbv		98
22) trans-1,2-Dichloroethene	5.76	96	467129	8.92	ppbv		98
23) Vinyl Acetate	5.98	43	1735906	9.33	ppbv		99
24) 1,1-Dichloroethane	5.91	63	1072439	8.60	ppbv		99
25) Ethyl Acetate	6.67	43	1644883	8.85	ppbv		99
26) Hexane	6.66	57	769779	8.80	ppbv		99
27) Carbon Disulfide	5.39	76	1256195	8.87	ppbv		99
28) Methyl tert-Butyl Ether	5.95	73	1605122	9.23	ppbv		100
29) Chloroform	6.75	83	1450395	8.39	ppbv		99
30) Cyclohexane	8.28	84	781773	9.35	ppbv		98
31) cis-1,2-Dichloroethene	6.52	61	821769	9.45	ppbv		100
32) 1,1,1-Trichloroethane	7.60	97	1636672	8.72	ppbv		99
34) 2-Butanone	6.20	43	1009436	9.31	ppbv		99
35) Carbon Tetrachloride	8.16	117	1744350	8.56	ppbv		99
36) Benzene	8.02	78	1699635	9.29	ppbv		99
37) 1,2-Dichloroethane	7.37	62	1356674	8.68	ppbv		99
38) Trichloroethene	9.07	130	771311	9.06	ppbv		99
39) 1,2-Dichloropropane	8.83	63	610429	9.03	ppbv		96
40) 1,4-Dioxane	9.13	88	80635	7.60	ppbv	#	1
41) Tetrahydrofuran	7.12	42	536177	9.90	ppbv		100
42) Bromodichloromethane	9.02	83	1700484	9.02	ppbv		100
43) Methyl Methacrylate	9.27	69	705610	10.04	ppbv		100

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL072715\
Data File : VL025749.D
Acq On : 27 Jul 2015 11:11
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 27 12:02:15 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)
44) 2,2,4-Trimethylpentane	9.09	57	2891207	9.21	ppbv	99
45) t-1,3-Dichloropropene	10.65	75	1230808	10.42	ppbv	98
46) cis-1,3-Dichloropropene	10.02	75	1349494	10.33	ppbv	97
47) 1,1,2-Trichloroethane	10.88	97	855000	9.09	ppbv	98
48) Dibromochloromethane	11.80	129	1555747	9.24	ppbv	99
49) Bromoform	14.82	173	1267028	9.13	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	1524719	9.76	ppbv	99
51) 2-Hexanone	11.62	43	1470342	10.49	ppbv	99
52) Tetrachloroethene	12.79	164	869003	9.46	ppbv	100
53) Toluene	11.24	91	2500442	9.72	ppbv	100
54) 1,2-Dibromoethane	12.15	107	1389211	9.13	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.79	131	1127766	7.30	ppbv	100
57) Chlorobenzene	13.82	112	2222520	7.31	ppbv	98
58) Ethyl Benzene	14.41	91	3857679	8.18	ppbv	99
59) m/p-Xylene	14.72	91	6320799	15.25	ppbv	100
60) o-Xylene	15.49	91	3360081	7.53	ppbv	100
61) Styrene	15.32	104	1417489	9.06	ppbv	99
62) Isopropylbenzene	16.55	105	4429643	7.59	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.49	83	2142902	7.10	ppbv	100
64) n-propylbenzene	17.52	120	1194461	7.57	ppbv	97
65) tert-Butylbenzene	18.82	119	4196589	7.33	ppbv	100
66) Benzyl Chloride	19.11	91	1782874	8.49	ppbv	100
67) sec-Butylbenzene	19.41	105	5890377	7.34	ppbv	100
69) p-Isopropyltoluene	19.79	119	4943742	7.47	ppbv	100
70) n-Butylbenzene	20.76	91	4889094	7.29	ppbv	99
71) 2-Chlorotoluene	17.43	91	3355411	7.84	ppbv	100
72) 4-Ethyltoluene	17.82	105	3853693	7.81	ppbv	99
73) 1,3,5-Trimethylbenzene	17.99	105	3666519	7.56	ppbv	99
74) 1,2,4-Trimethylbenzene	18.84	105	3858035	7.10	ppbv	93
75) 1,3-Dichlorobenzene	19.13	146	2421997	6.85	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	2507888	7.08	ppbv	100
77) 1,2-Dichlorobenzene	20.03	146	2466625	7.03	ppbv	100
78) Hexachloro-1,3-Butadiene	24.67	225	1374569	6.37	ppbv	99
79) Naphthalene	23.93	128	3670665	6.99	ppbv	100
80) Naphthalene,2-methyl-	26.05	142	1299974	8.52	ppbv	98
81) 1,2,4-Trichlorobenzene	23.74	180	1718044	6.83	ppbv	100

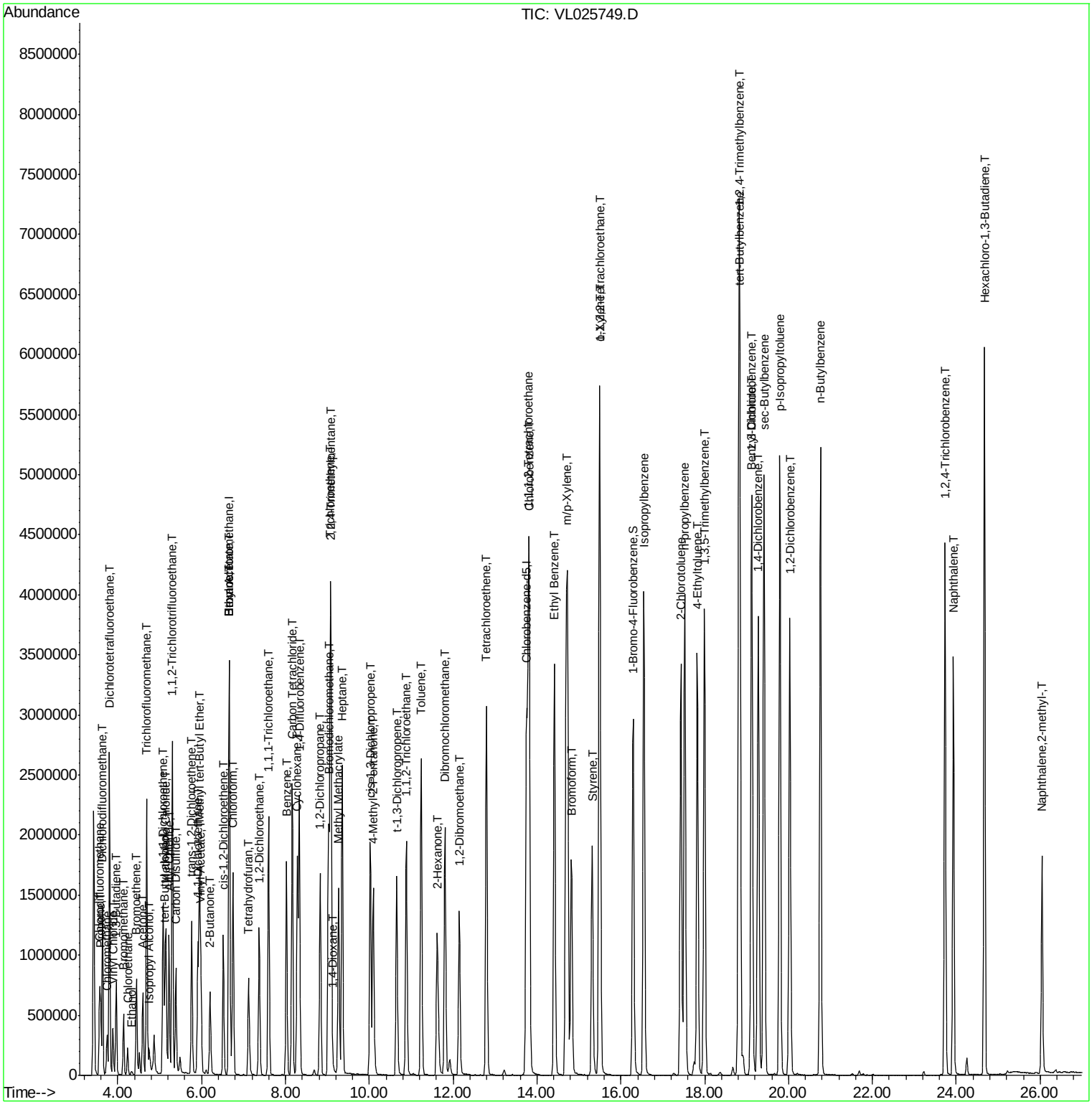
(#) = qualifier out of range (m) = manual integration (+) = signals summed

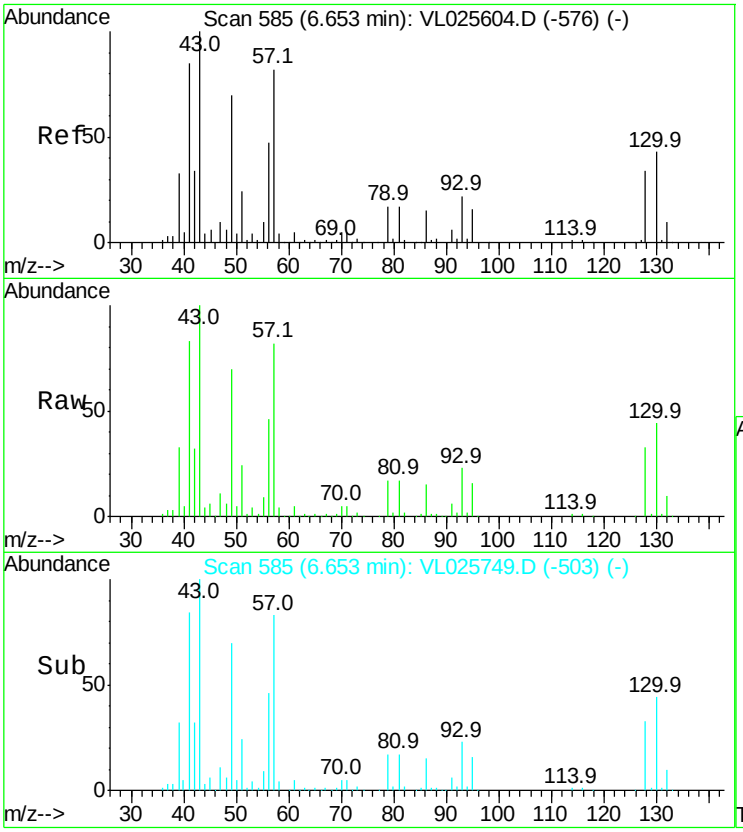
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL072715\
Data File : VL025749.D
Acq On : 27 Jul 2015 11:11
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 27 12:02:15 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



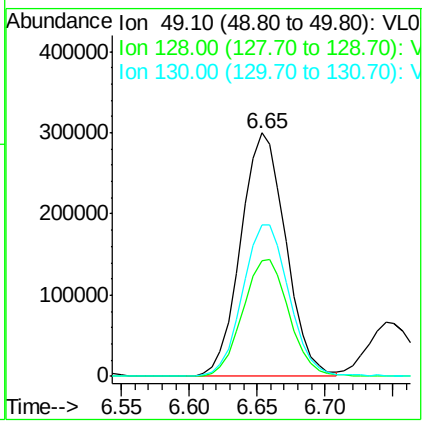


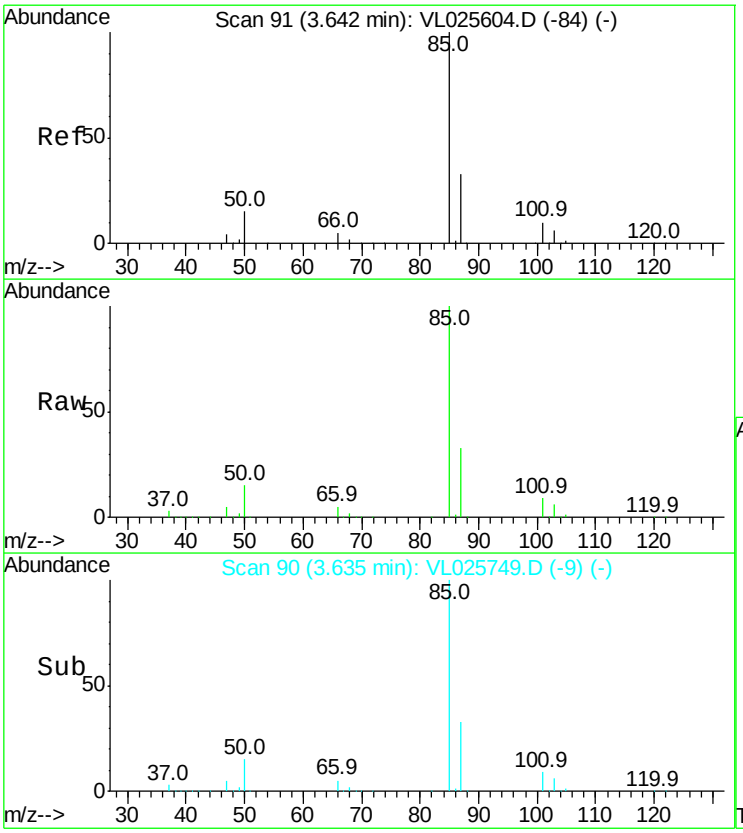
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 585
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 694987

Ion	Ratio	Lower	Upper
49	100		
128	49.4	25.4	76.0
130	64.5	31.9	95.9

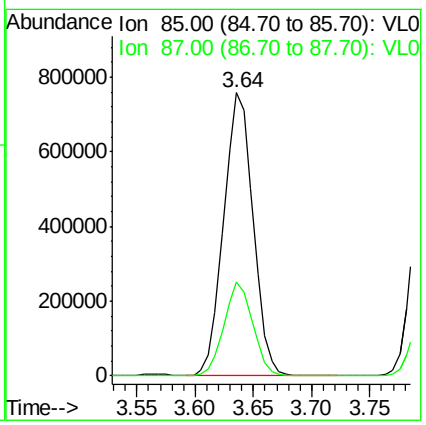


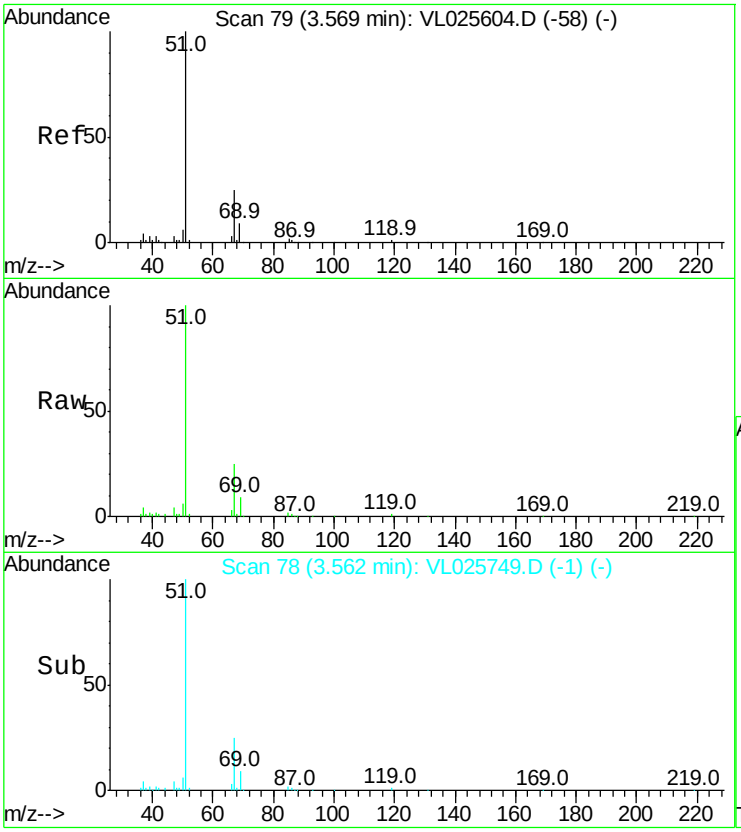


#2
Dichlorodifluoromethane
Concen: 7.39 ppbv
RT: 3.64 min Scan# 90
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 85 Resp: 1330514

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.5	39.7



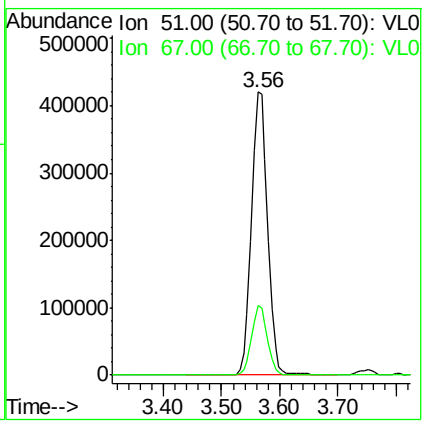


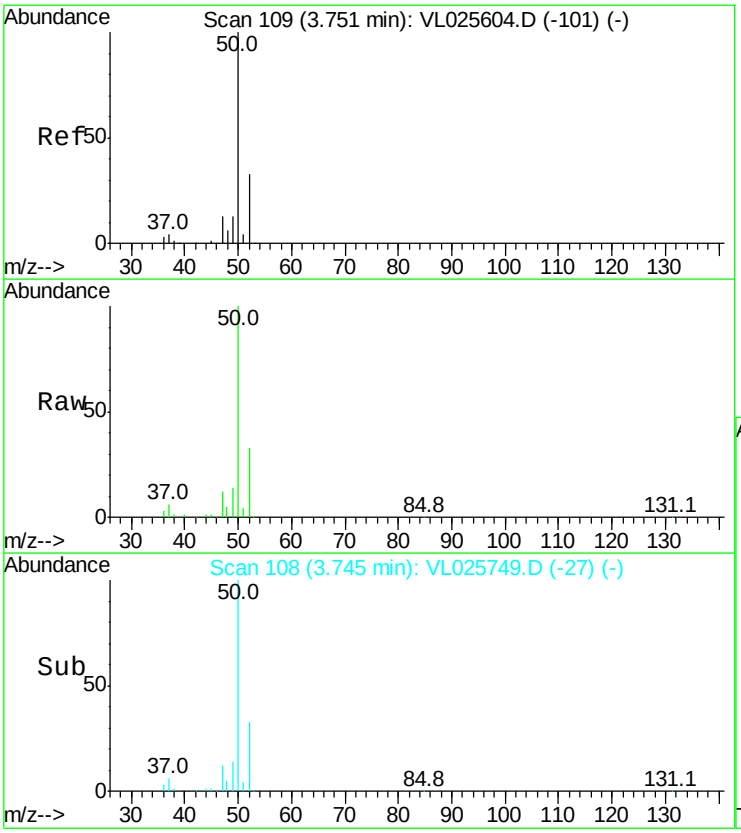
#3
Chlorodifluoromethane
Concen: 8.21 ppbv
RT: 3.56 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 804410

Ion	Ratio	Lower	Upper
51	100		
67	23.9	19.5	29.3

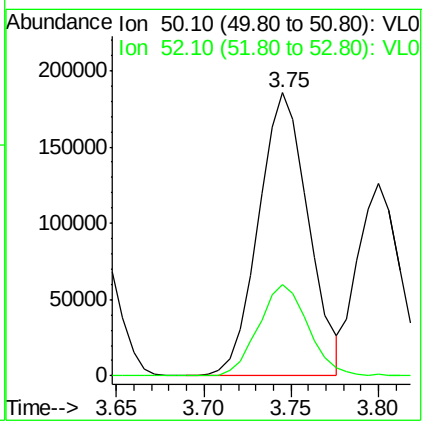


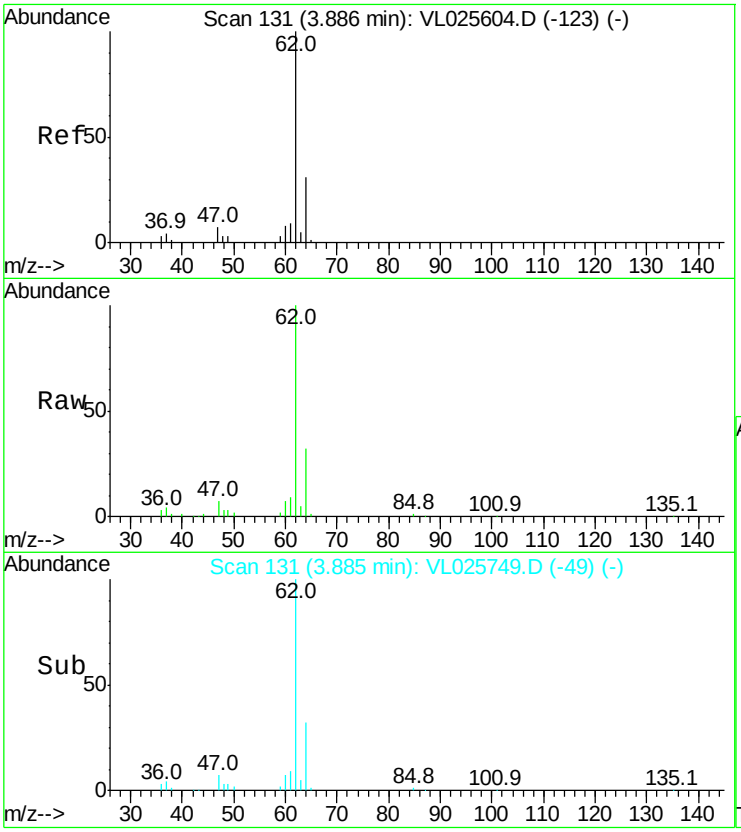


#4
Chloromethane
Concen: 8.29 ppbv
RT: 3.75 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 50 Resp: 370355

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.2	39.2



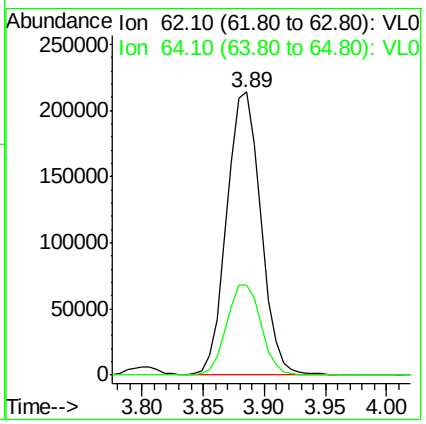


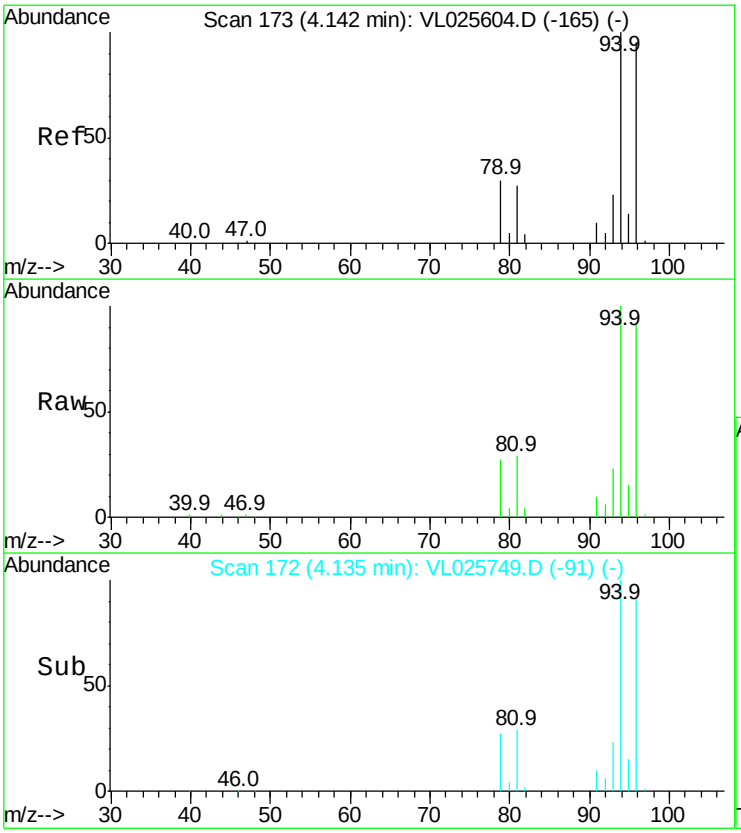
#5
Vinyl Chloride
Concen: 8.54 ppbv
RT: 3.89 min Scan# 131
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 412241

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.0	37.6

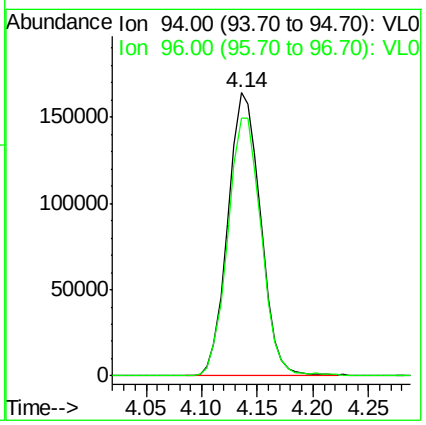


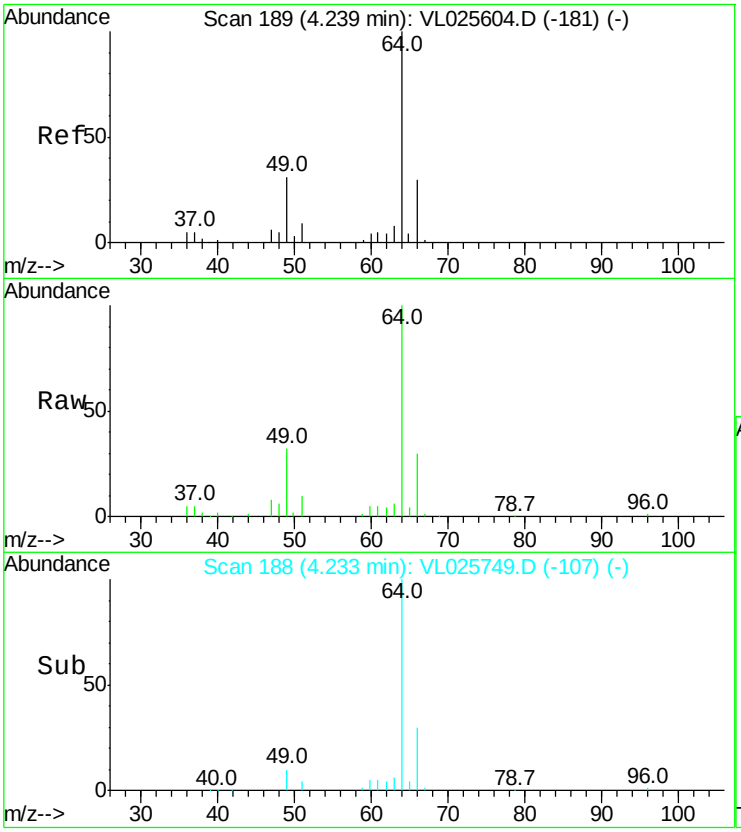


#6
Bromomethane
Concen: 8.56 ppbv
RT: 4.14 min Scan# 172
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 94 Resp: 335010

Ion	Ratio	Lower	Upper
94	100		
96	91.0	75.9	113.9



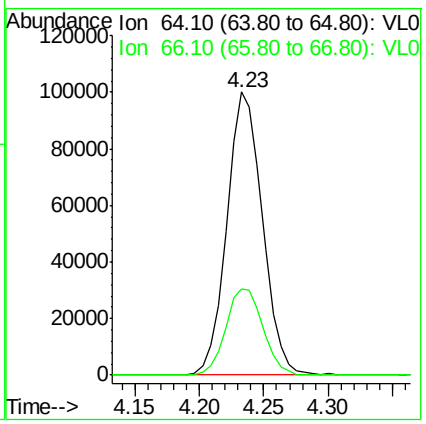


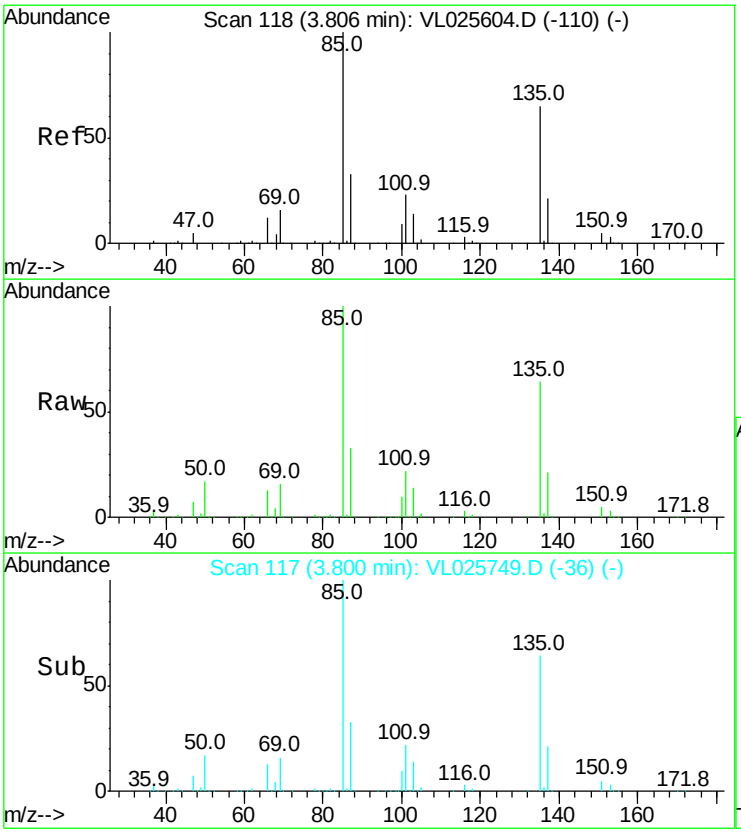
#7
Chloroethane
Concen: 8.58 ppbv
RT: 4.23 min Scan# 188
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 192613

Ion	Ratio	Lower	Upper
64	100		
66	30.5	23.8	35.8

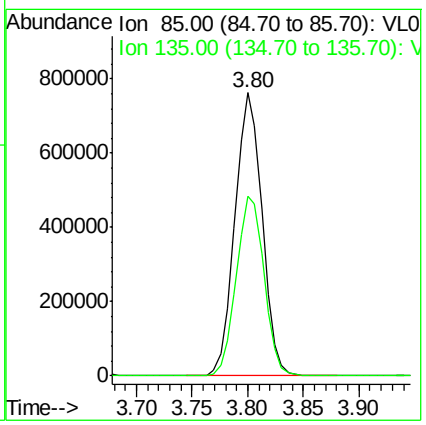


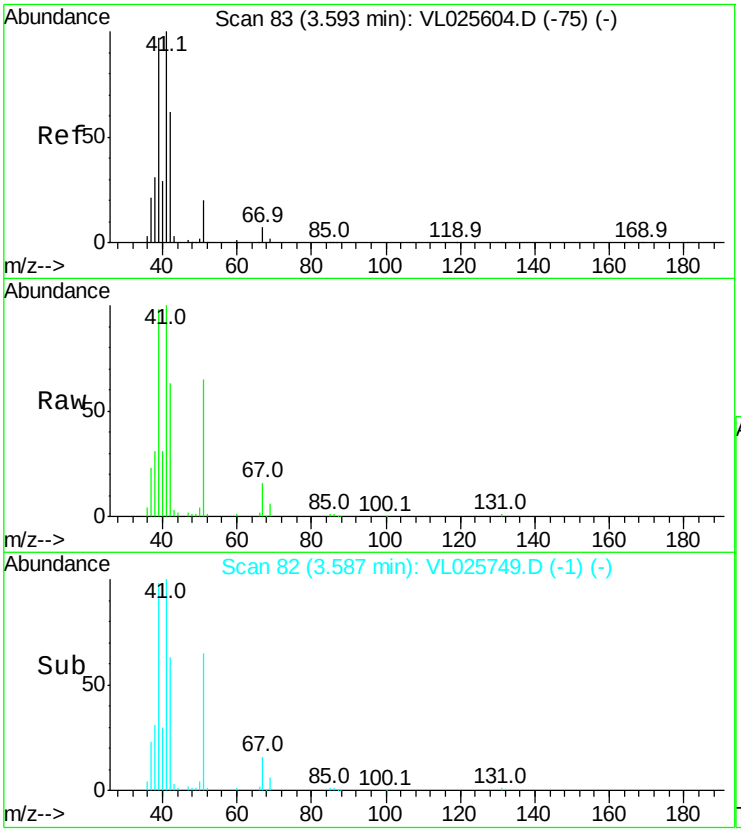


#8
Dichlorotetrafluoroethane
Concen: 8.15 ppbv
RT: 3.80 min Scan# 117
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 85 Resp: 1287175

Ion	Ratio	Lower	Upper
85	100		
135	65.4	52.2	78.4



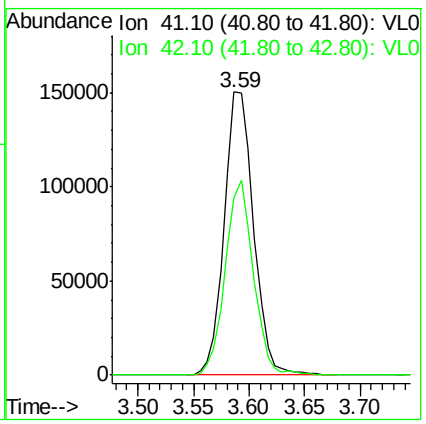


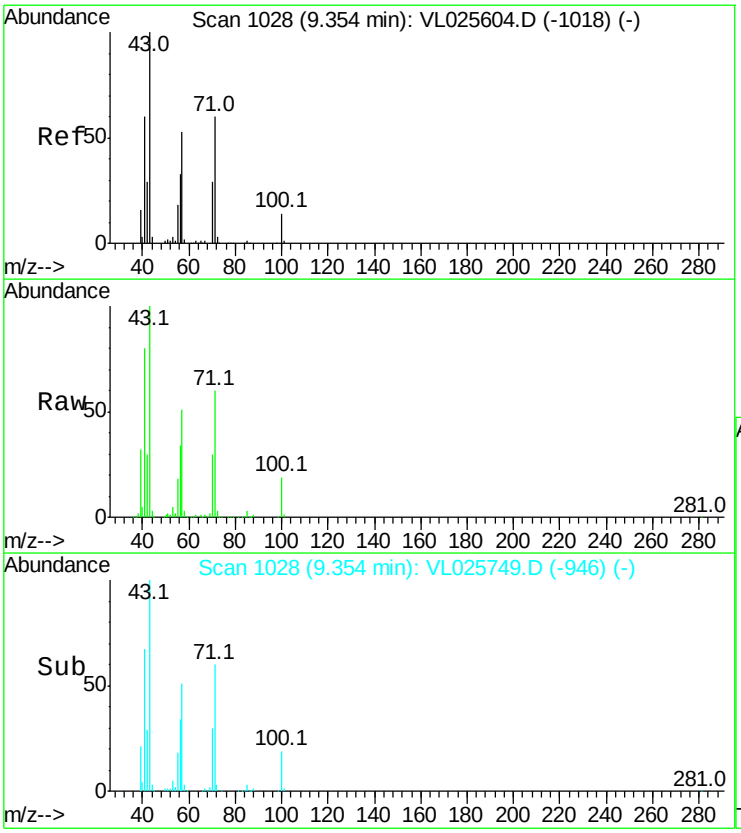
#9
Propene
Concen: 8.45 ppbv
RT: 3.59 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 274887

Ion	Ratio	Lower	Upper
41	100		
42	66.2	52.4	78.6

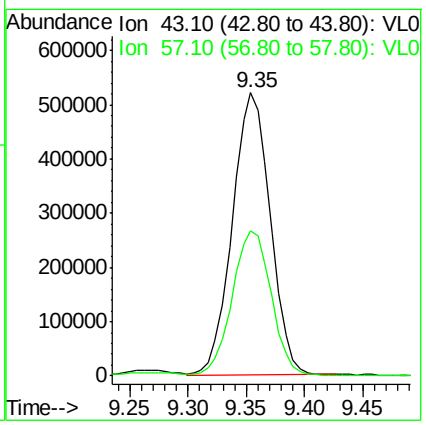


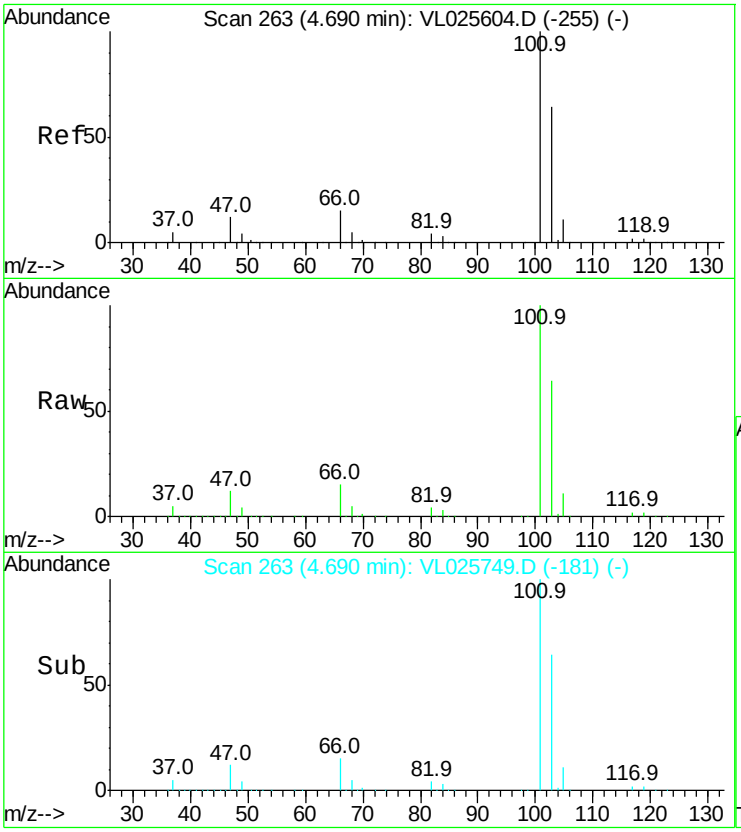


#10
Heptane
Concen: 9.30 ppbv
RT: 9.35 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 43 Resp: 1178387

Ion	Ratio	Lower	Upper
43	100		
57	54.9	42.6	64.0



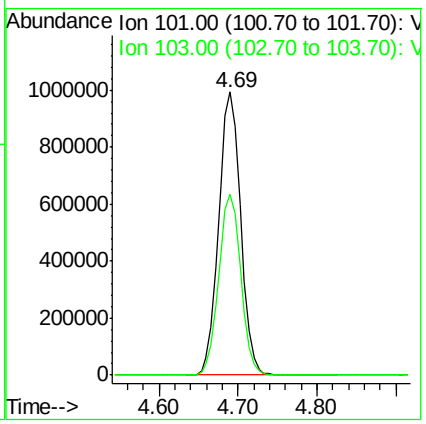


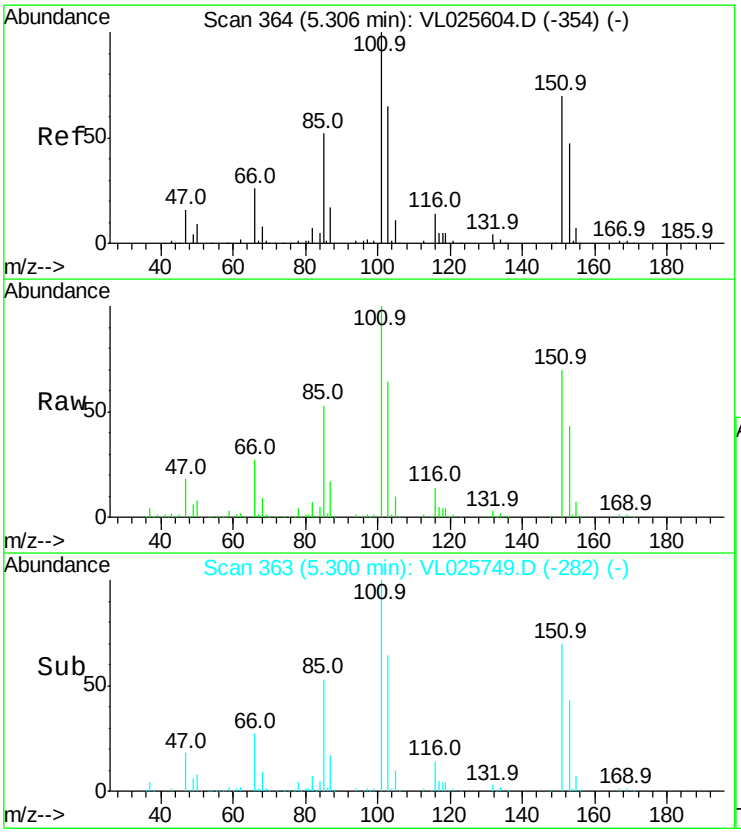
#11
Trichlorofluoromethane
Concen: 8.25 ppbv
RT: 4.69 min Scan# 263
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1927562

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

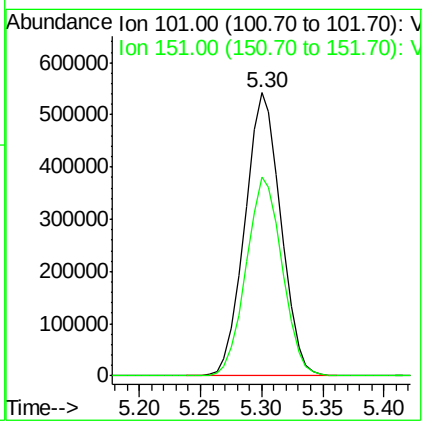


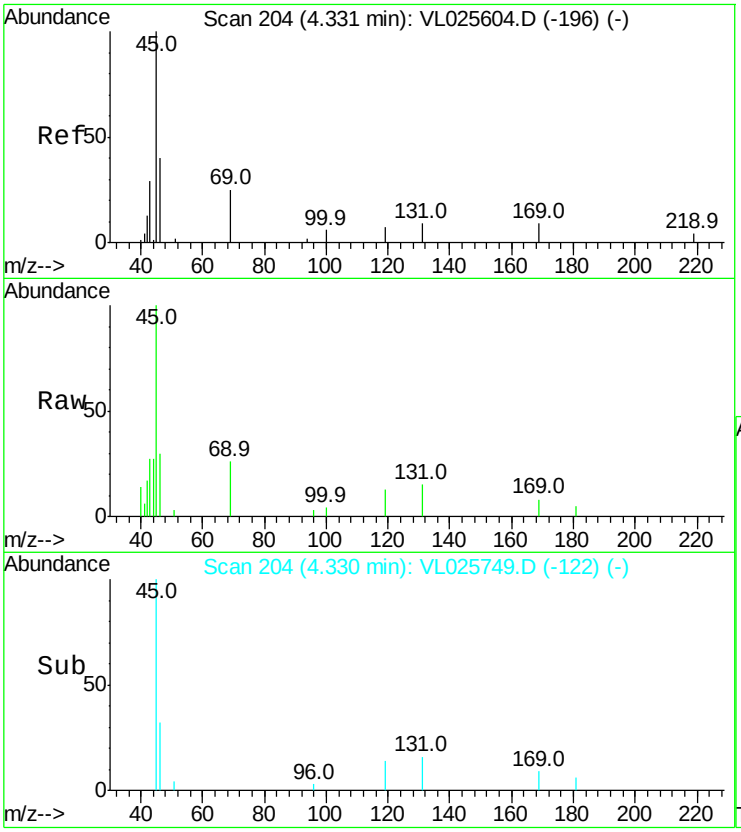


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.28 ppbv
RT: 5.30 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:101 Resp: 1109257

Ion	Ratio	Lower	Upper
101	100		
151	70.5	56.3	84.5



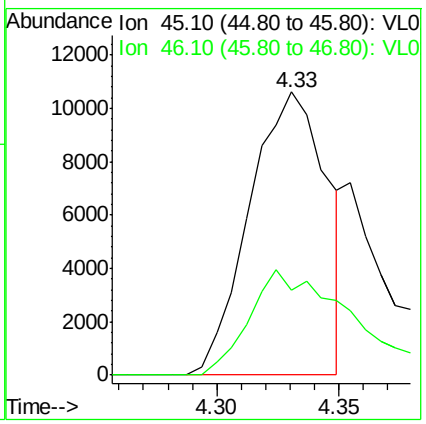


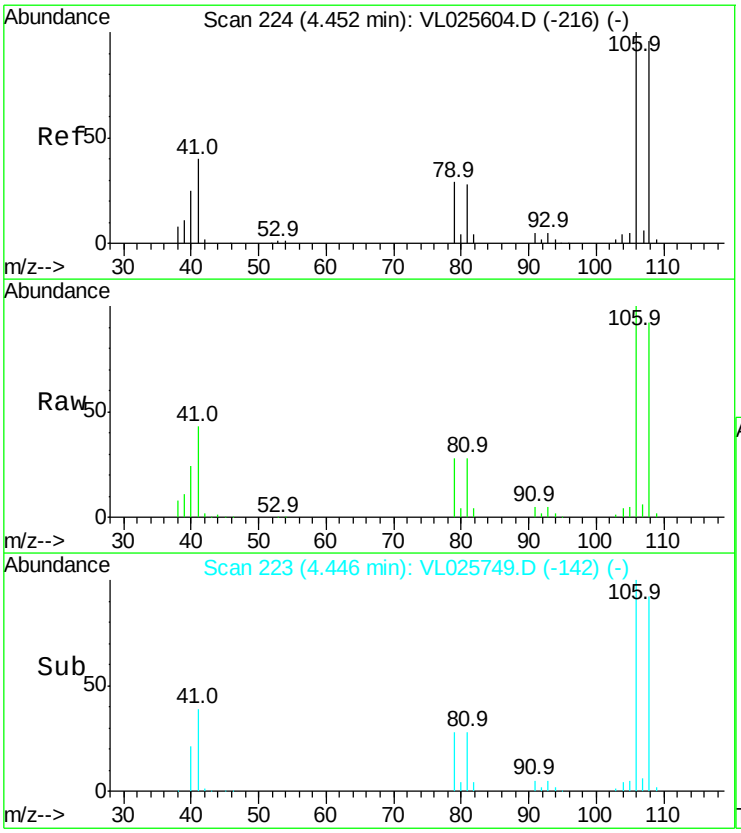
#13
Ethanol
Concen: 4.62 ppbv
RT: 4.33 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 23382

Ion	Ratio	Lower	Upper
45	100		
46	58.9	16.0	64.0

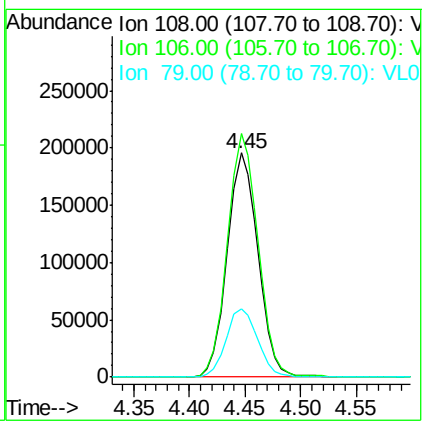


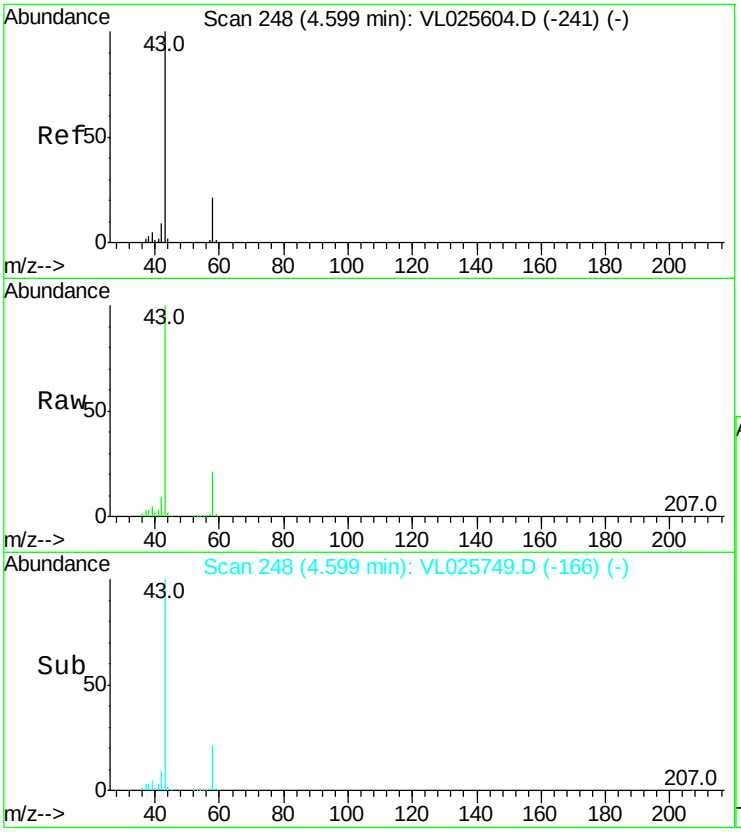


#14
Bromoethene
Concen: 8.56 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:108 Resp: 376253

Ion	Ratio	Lower	Upper
108	100		
106	108.2	85.7	128.5
79	31.6	24.6	36.8



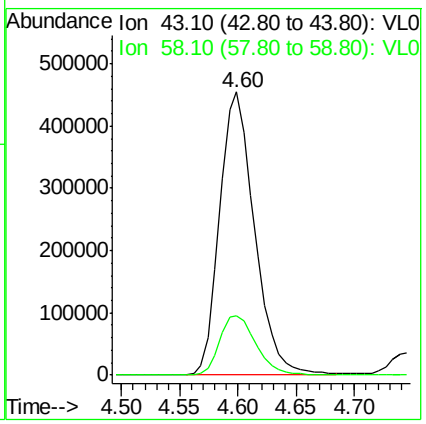


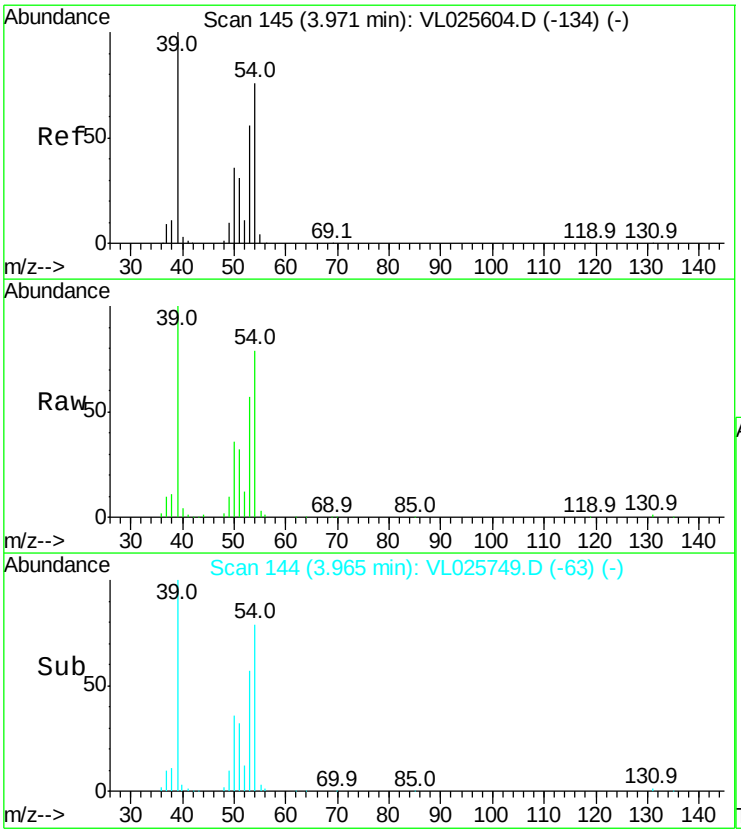
#15
Acetone
Concen: 7.67 ppbv
RT: 4.60 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 942262

Ion	Ratio	Lower	Upper
43	100		
58	22.1	17.2	25.8

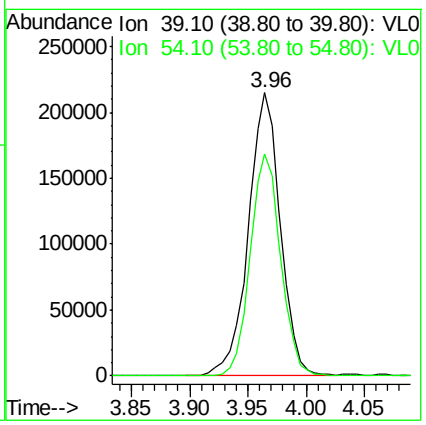


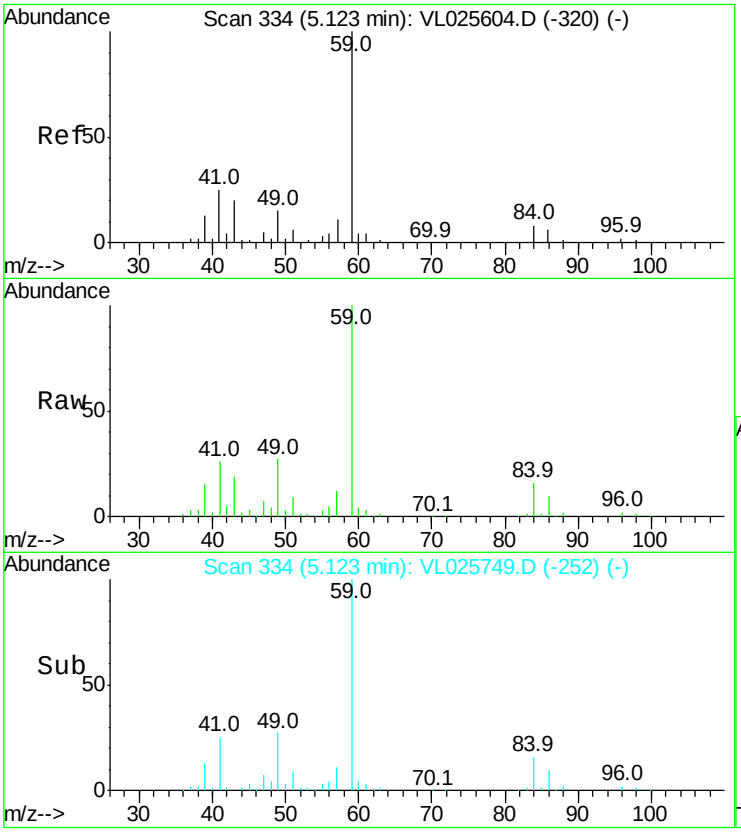


#16
1,3-Butadiene
Concen: 8.40 ppbv
RT: 3.96 min Scan# 144
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 39 Resp: 410380

Ion	Ratio	Lower	Upper
39	100		
54	74.6	59.3	88.9



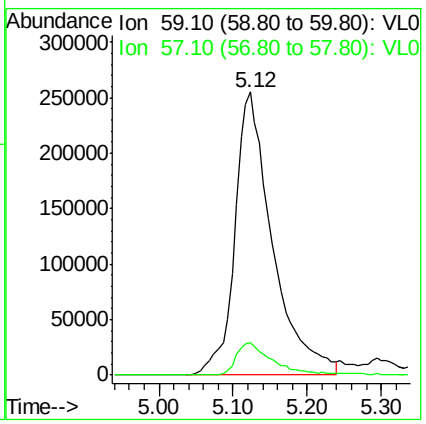


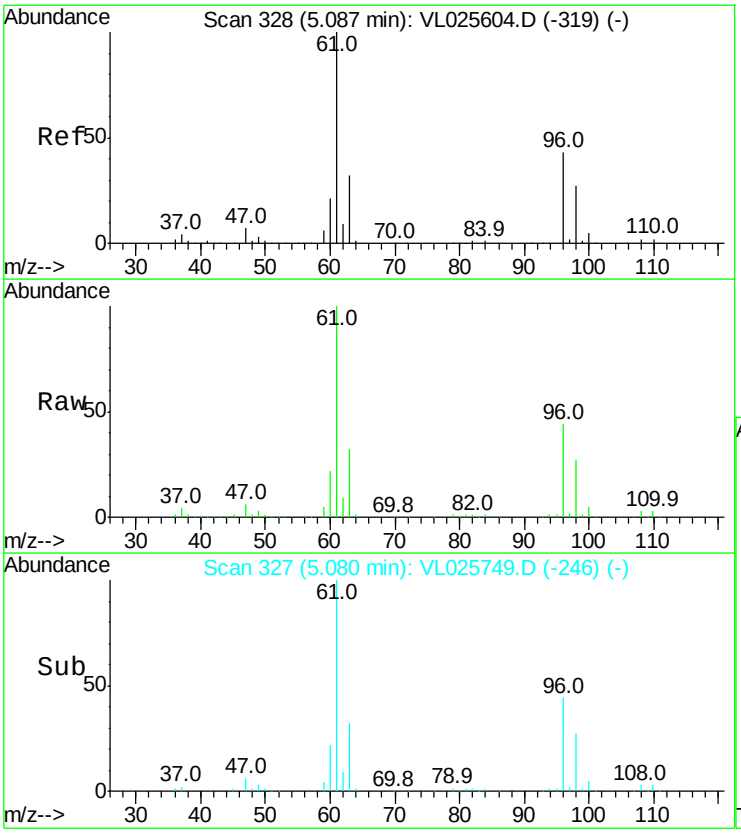
#17
tert-Butyl alcohol
Concen: 8.77 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 903956

Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.4	14.2

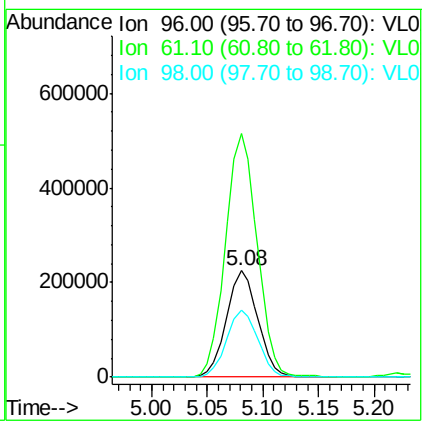


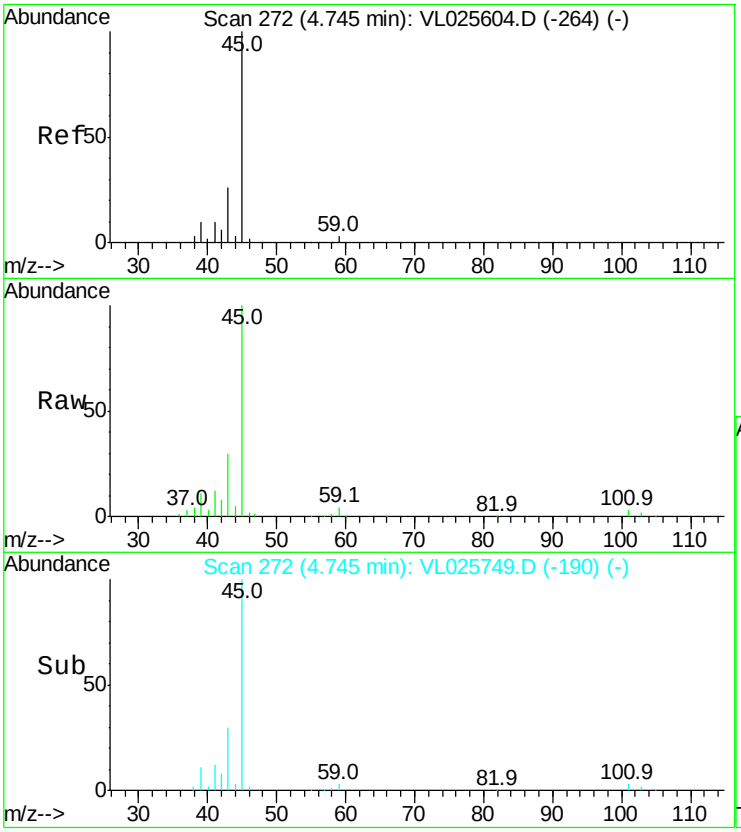


#18
1,1-Dichloroethene
Concen: 8.59 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 96 Resp: 440331

Ion	Ratio	Lower	Upper
96	100		
61	229.1	184.1	276.1
98	62.7	50.0	75.0



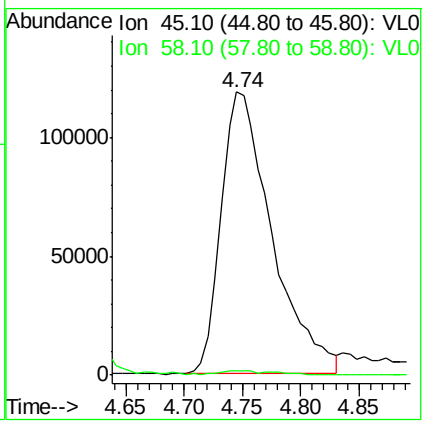


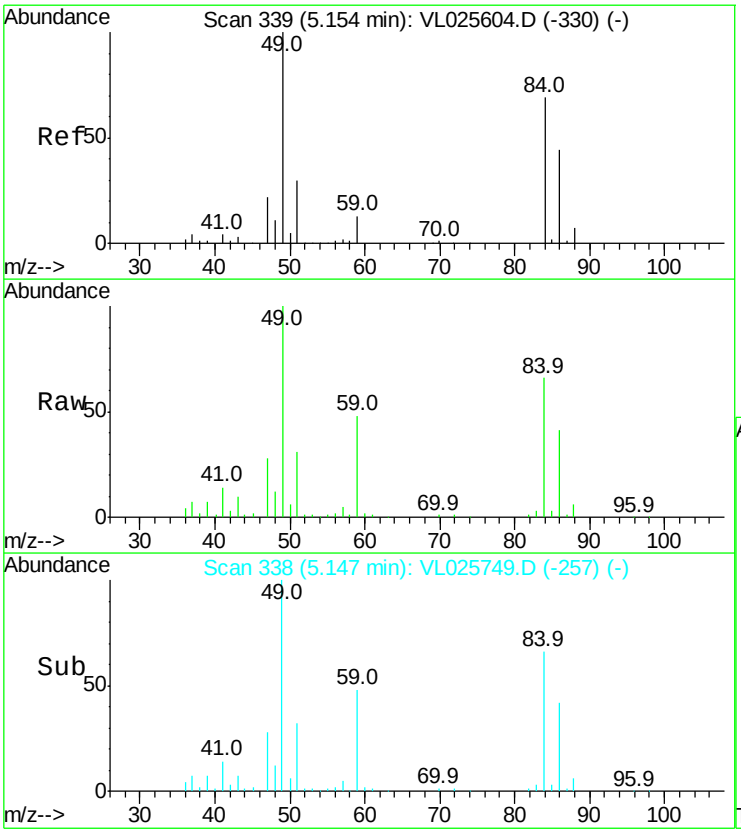
#19
Isopropyl Alcohol
Concen: 7.31 ppbv
RT: 4.74 min Scan# 272
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 358044

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.1	1.7#

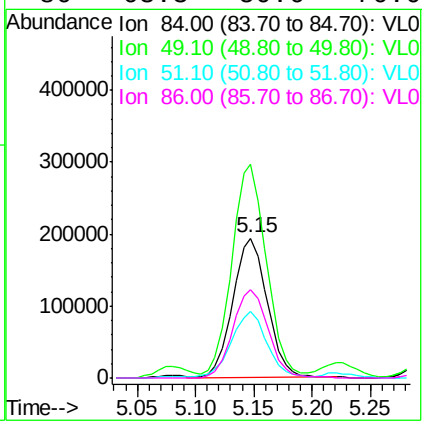


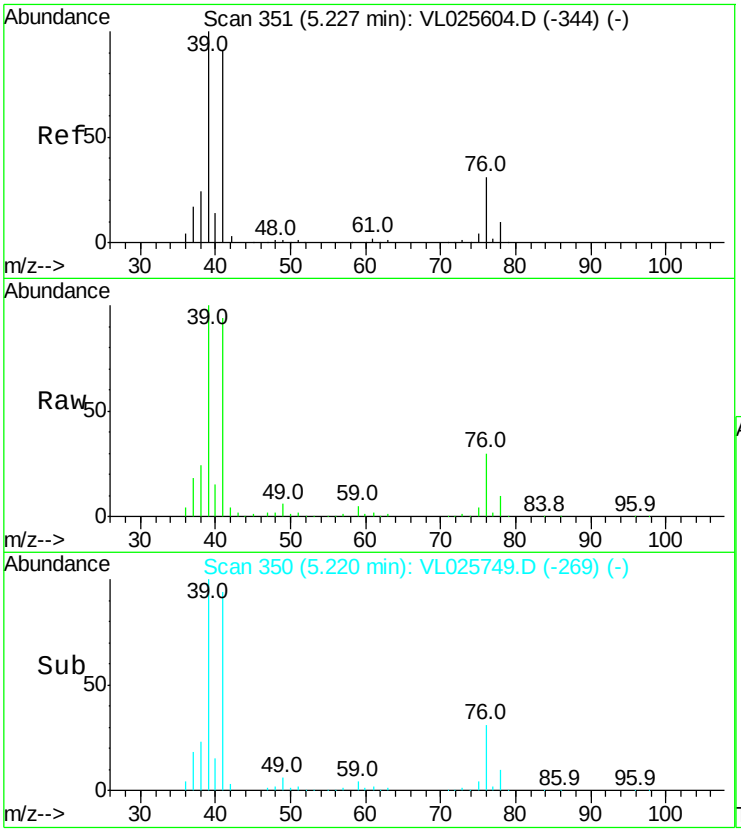


#20
Methylene Chloride
Concen: 8.04 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 84 Resp: 401006

Ion	Ratio	Lower	Upper
84	100		
49	147.5	115.2	172.8
51	47.1	35.0	52.6
86	63.3	50.6	76.0



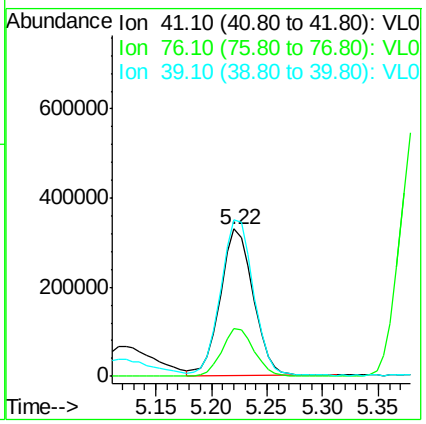


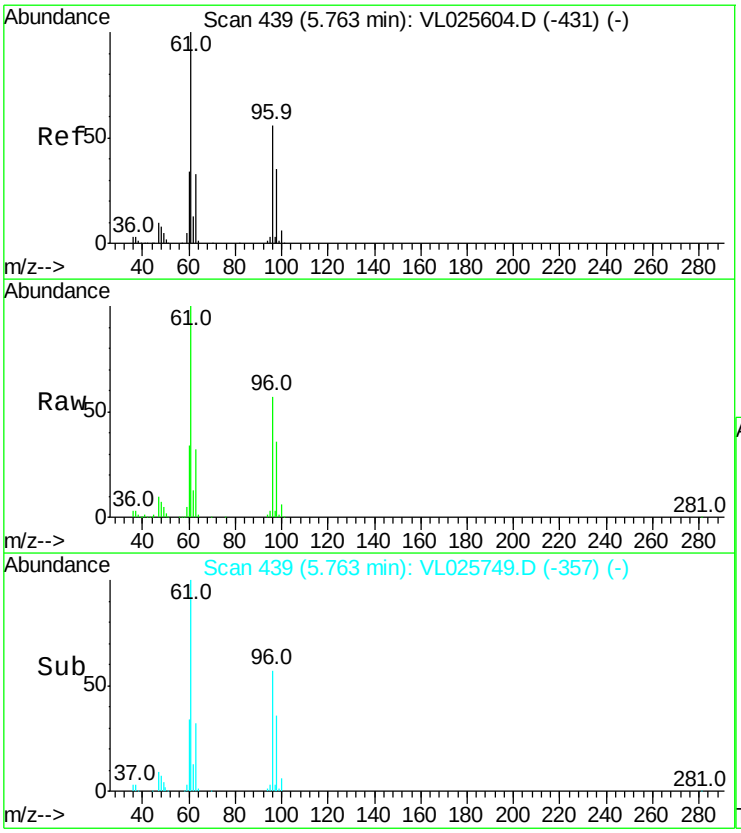
#21
Allyl Chloride
Concen: 8.73 ppbv
RT: 5.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 670885

Ion	Ratio	Lower	Upper
41	100		
76	31.9	26.6	40.0
39	107.8	88.2	132.4

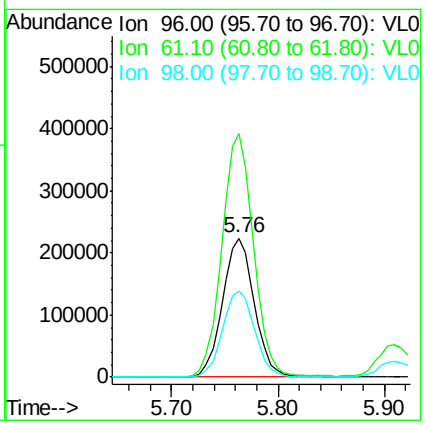


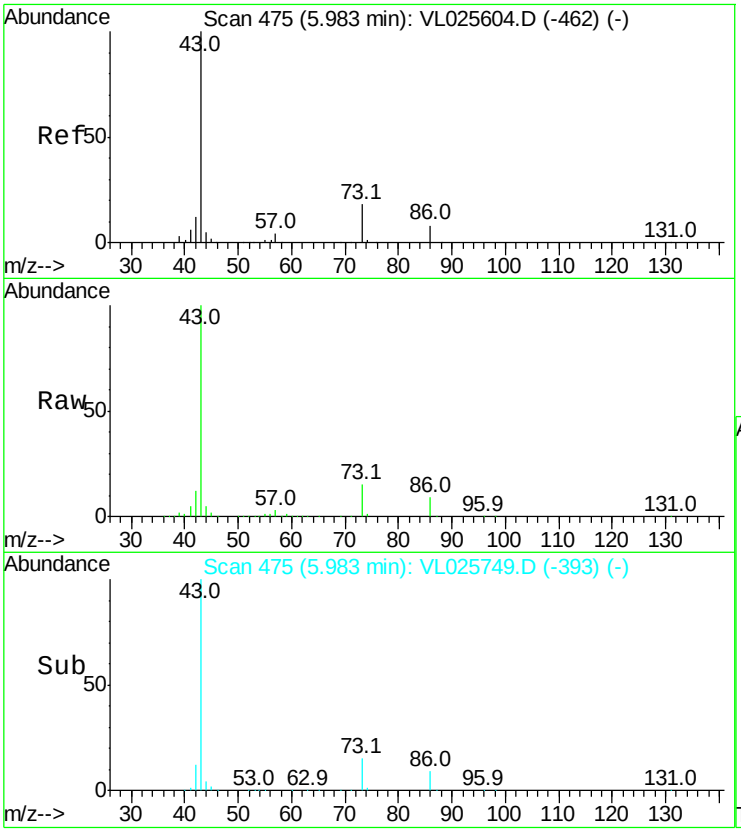


#22
trans-1,2-Dichloroethene
Concen: 8.92 ppbv
RT: 5.76 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 96 Resp: 467129

Ion	Ratio	Lower	Upper
96	100		
61	175.0	141.8	212.6
98	62.3	49.0	73.6



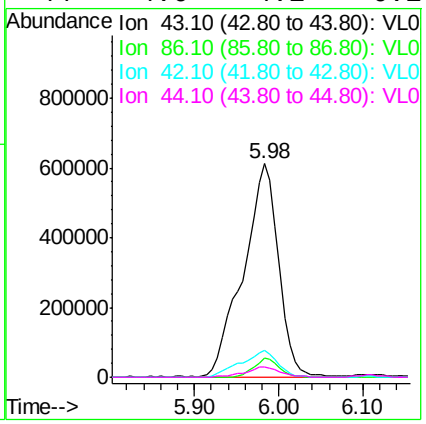


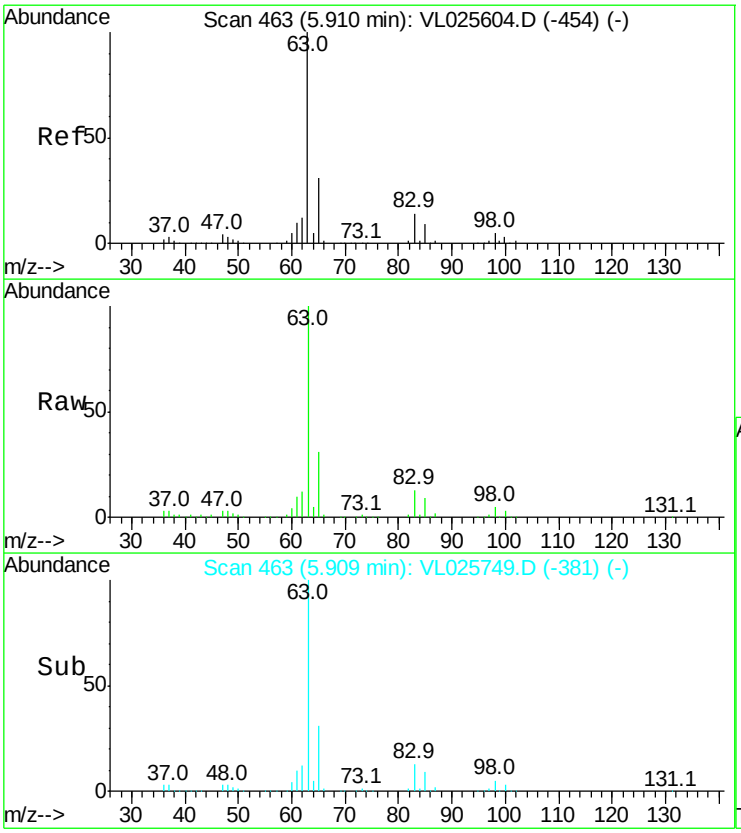
#23
Vinyl Acetate
Concen: 9.33 ppbv
RT: 5.98 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1735906

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.7	10.1
42	12.4	9.8	14.6
44	4.6	4.1	6.1

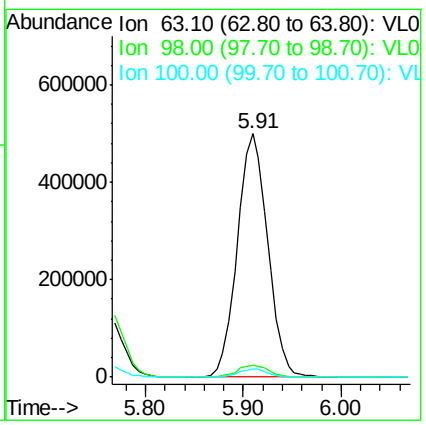


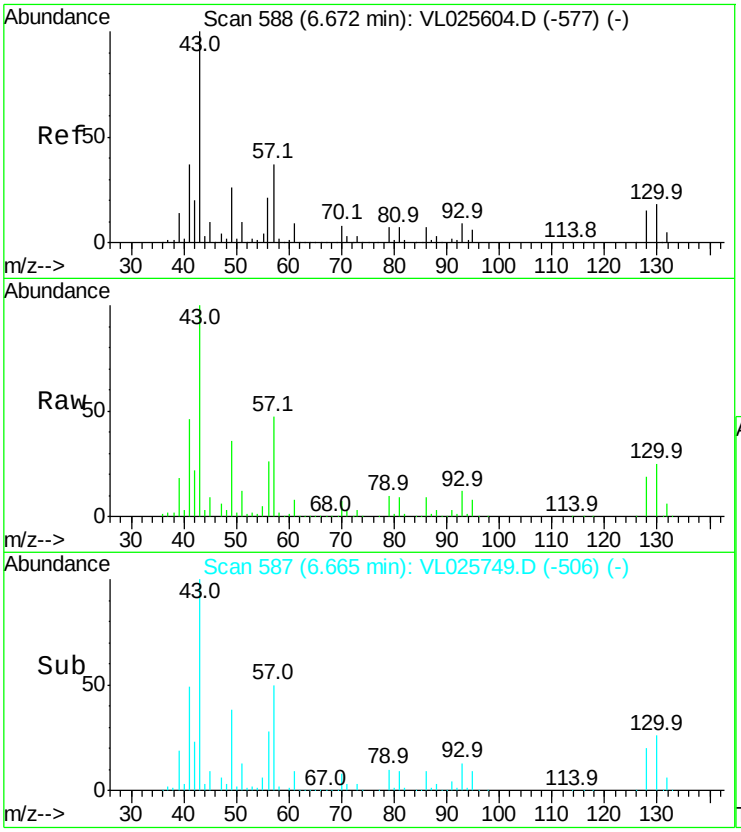


#24
1,1-Dichloroethane
Concen: 8.60 ppbv
RT: 5.91 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 63 Resp: 1072439

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	8.0
100	3.2	1.6	4.7



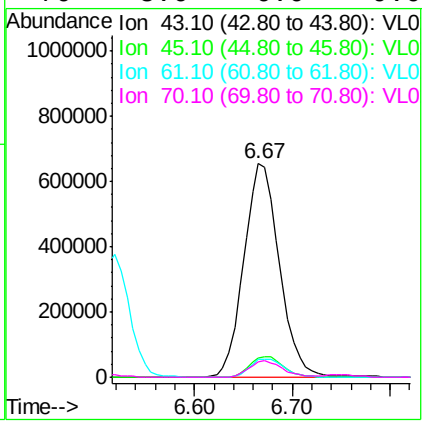


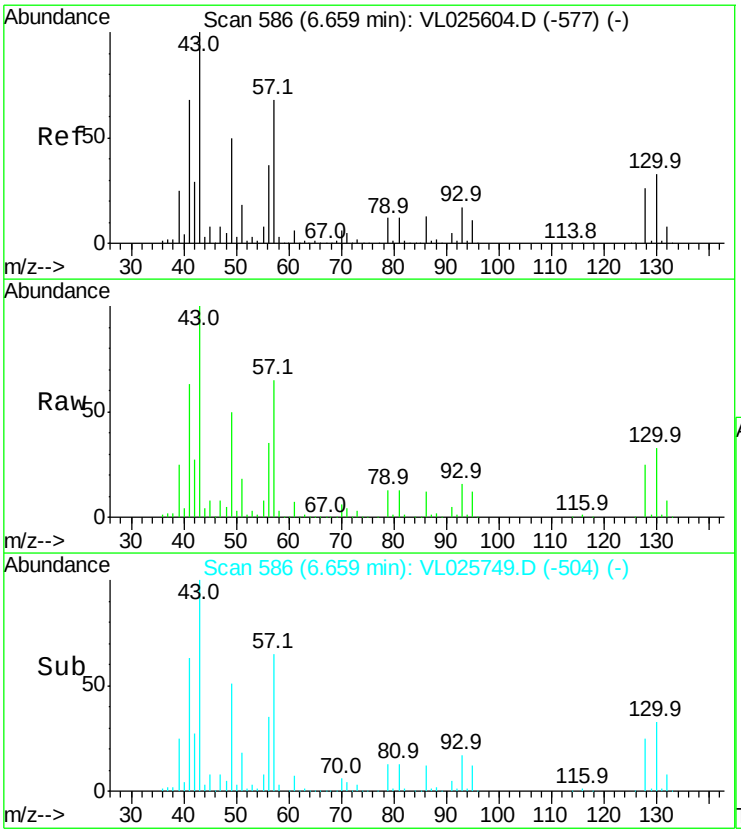
#25
Ethyl Acetate
Concen: 8.85 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1644883

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	8.6	6.6	10.0
70	8.6	6.0	9.0

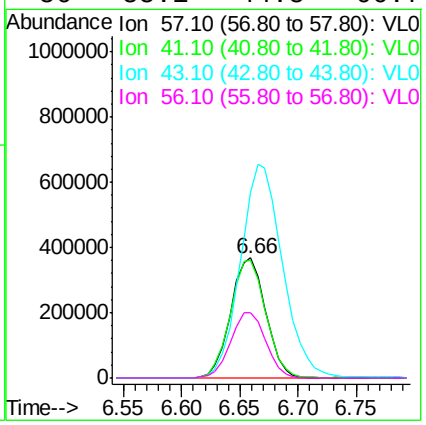


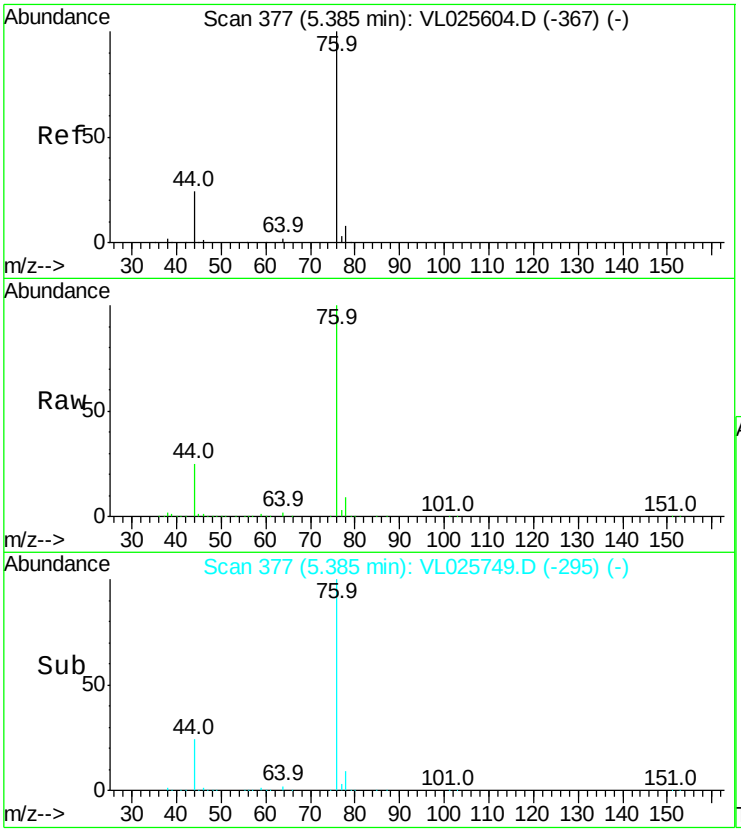


#26
Hexane
Concen: 8.80 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 57 Resp: 769779

Ion	Ratio	Lower	Upper
57	100		
41	101.3	81.4	122.2
43	216.2	171.4	257.2
56	55.1	44.5	66.7



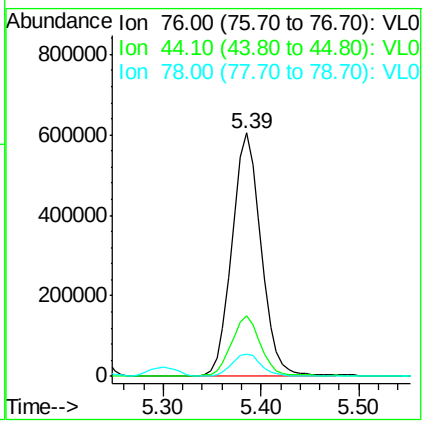


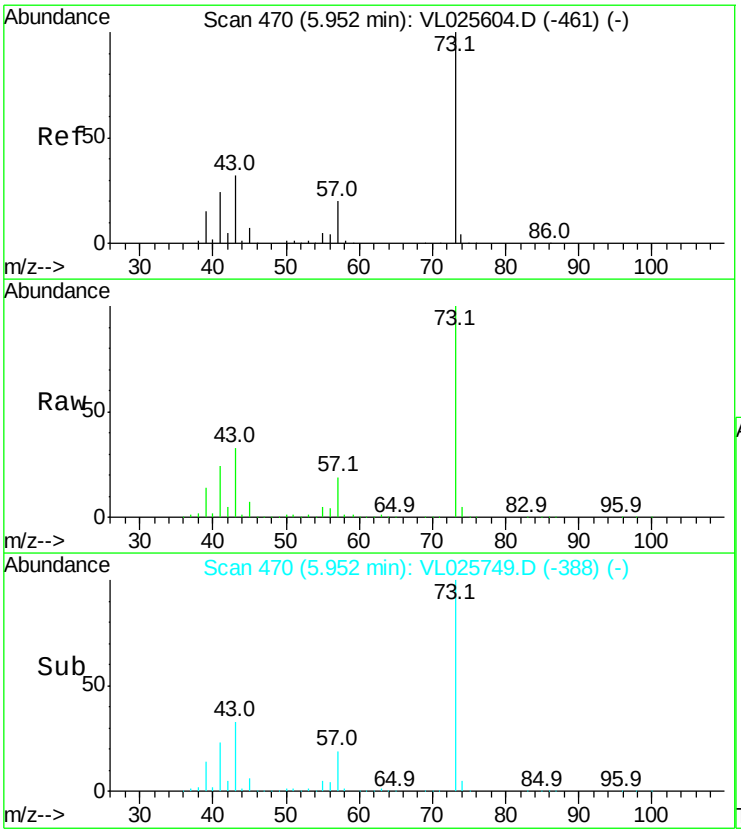
#27
Carbon Disulfide
Concen: 8.87 ppbv
RT: 5.39 min Scan# 377
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1256195

Ion	Ratio	Lower	Upper
76	100		
44	25.0	20.2	30.4
78	9.4	7.4	11.2

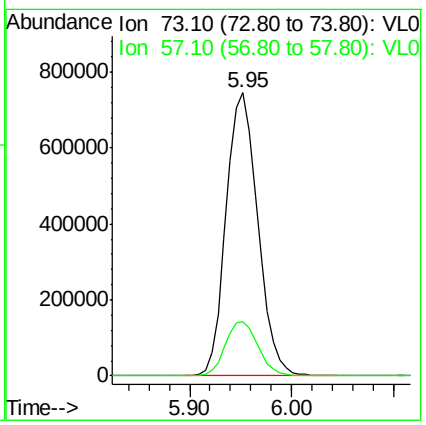


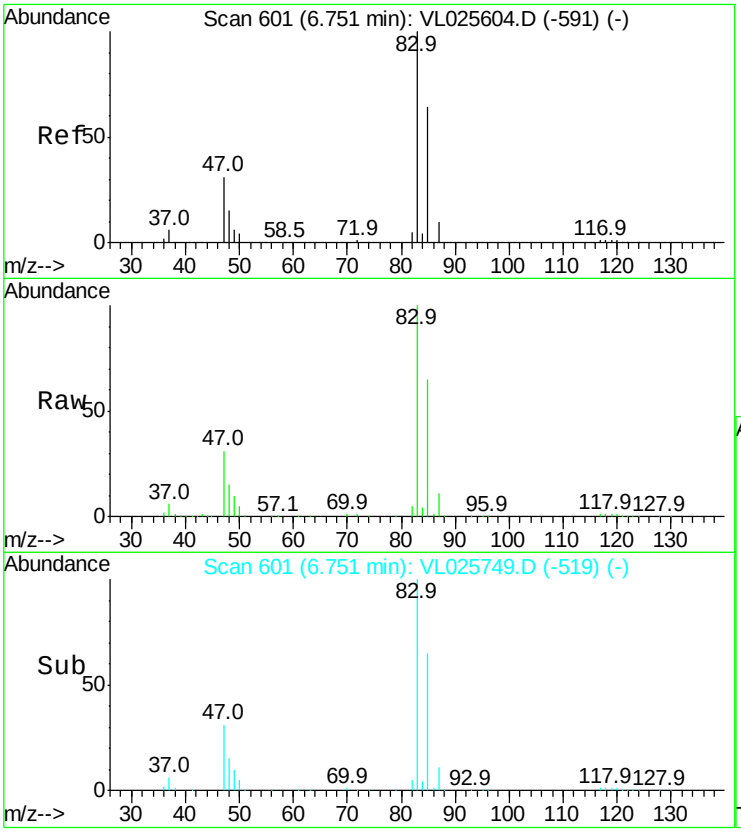


#28
Methyl tert-Butyl Ether
Concen: 9.23 ppbv
RT: 5.95 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 73 Resp: 1605122

Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.0	24.0



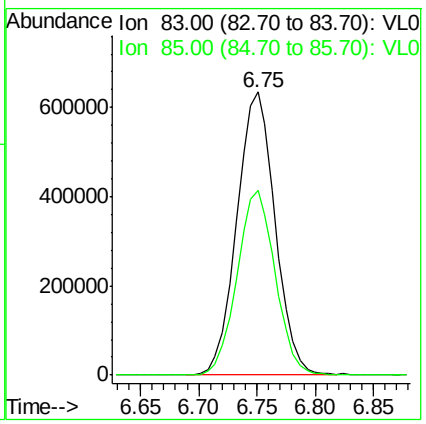


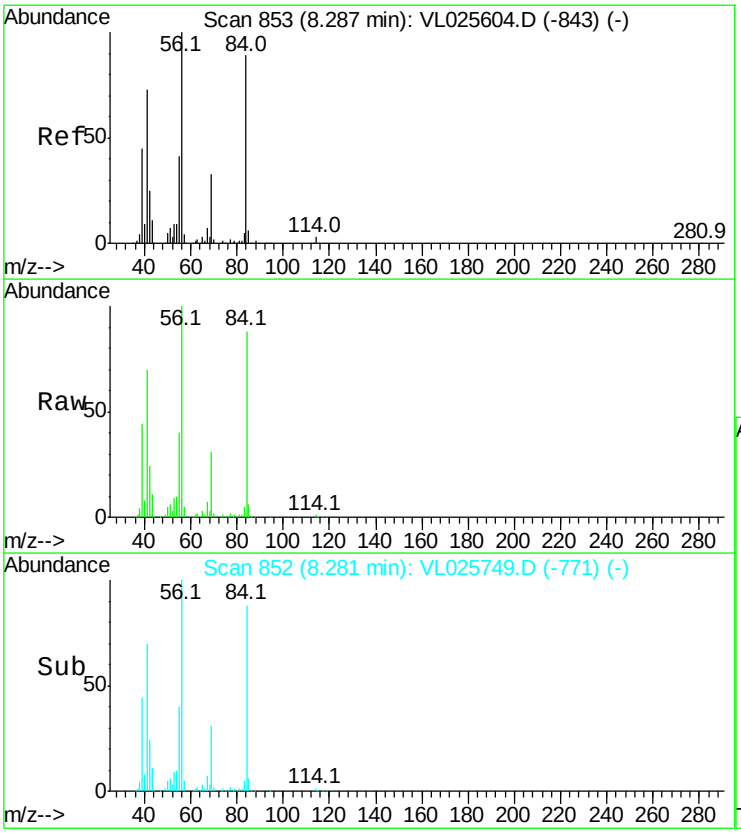
#29
Chloroform
Concen: 8.39 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1450395

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.6	77.4

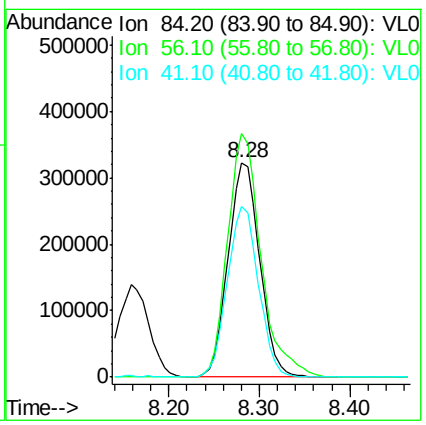


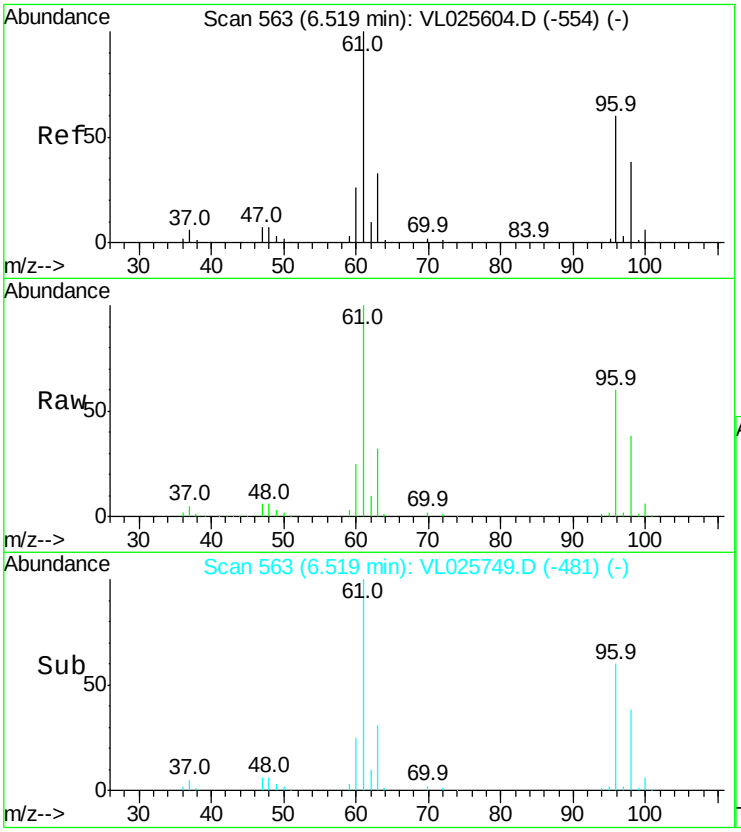


#30
Cyclohexane
Concen: 9.35 ppbv
RT: 8.28 min Scan# 852
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 84 Resp: 781773

Ion	Ratio	Lower	Upper
84	100		
56	120.1	97.5	146.3
41	78.9	65.4	98.2



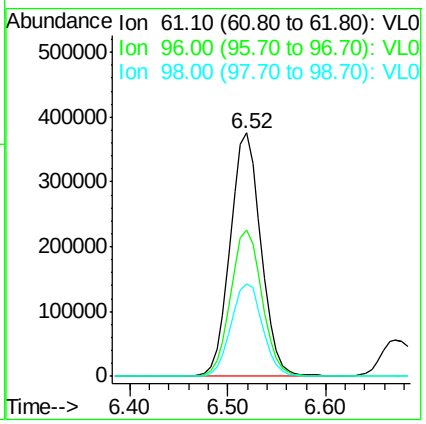


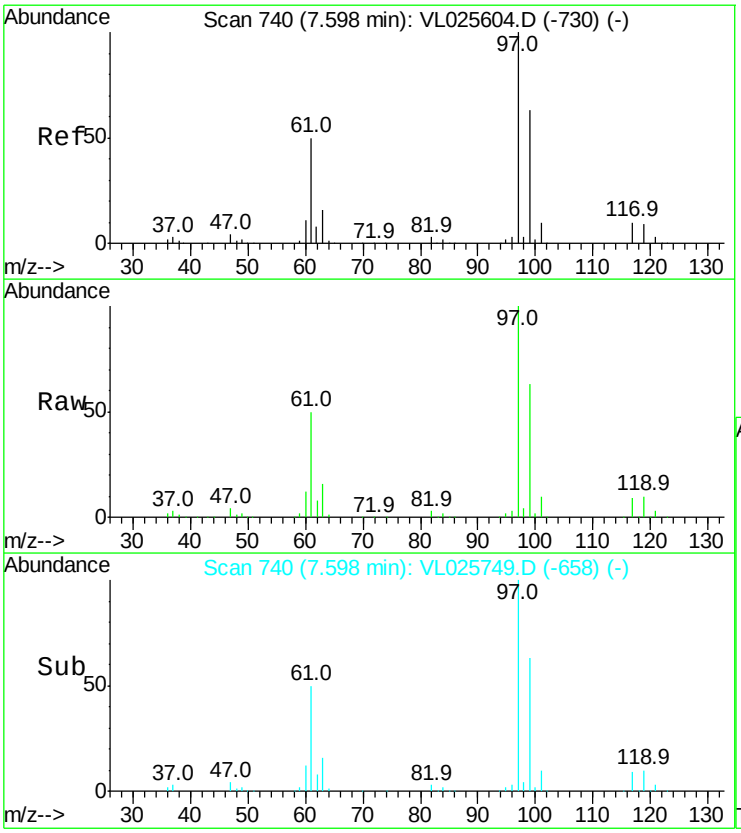
#31
cis-1,2-Dichloroethene
Concen: 9.45 ppbv
RT: 6.52 min Scan# 563
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 821769

Ion	Ratio	Lower	Upper
61	100		
96	60.1	48.1	72.1
98	38.1	30.7	46.1

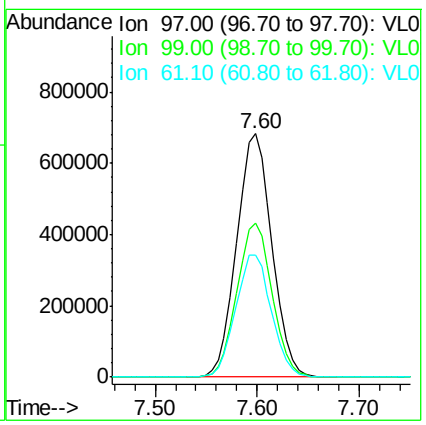


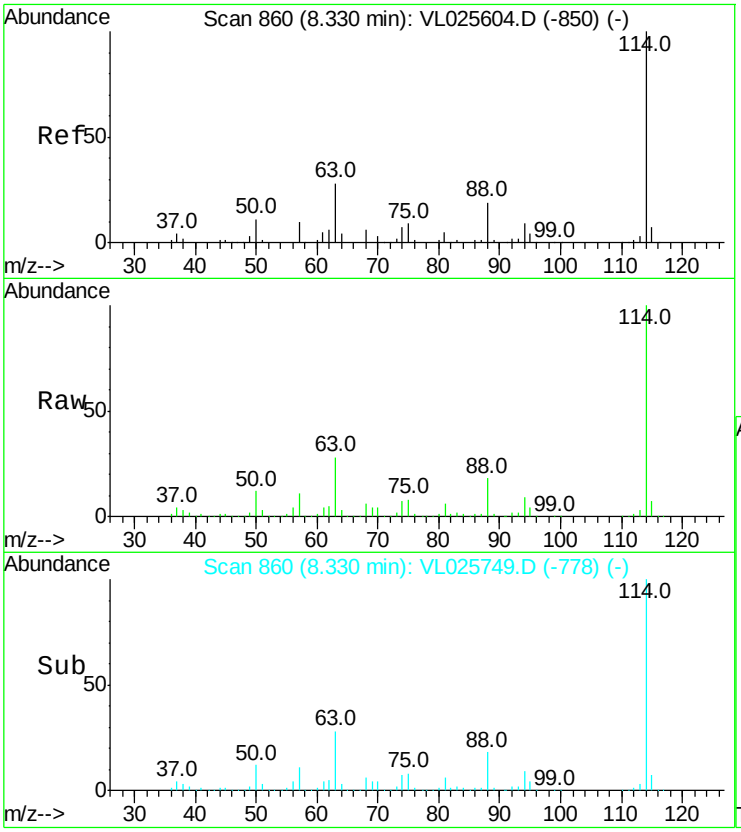


#32
1,1,1-Trichloroethane
Concen: 8.72 ppbv
RT: 7.60 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 97 Resp: 1636672

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	51.1	40.4	60.6



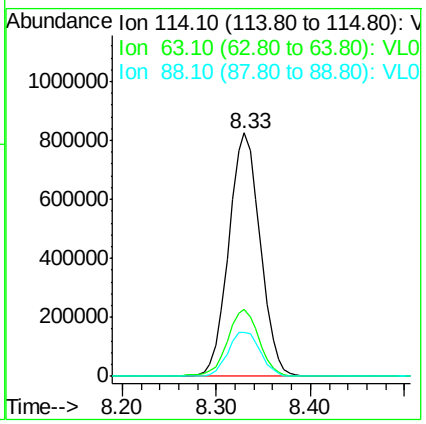


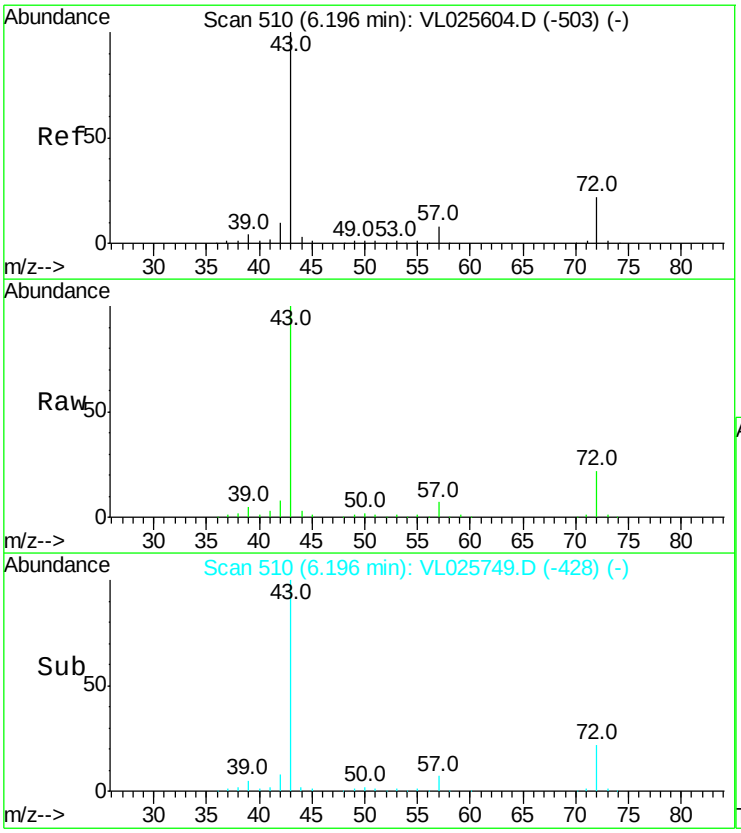
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1911584

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.4	33.6
88	18.7	15.0	22.4

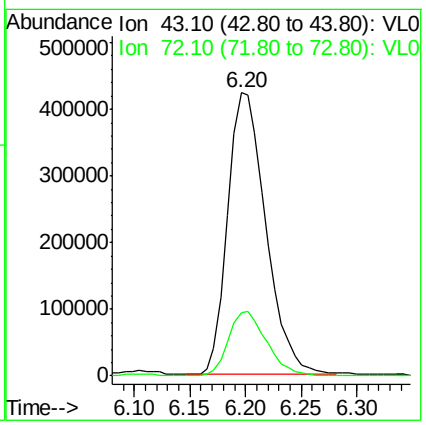


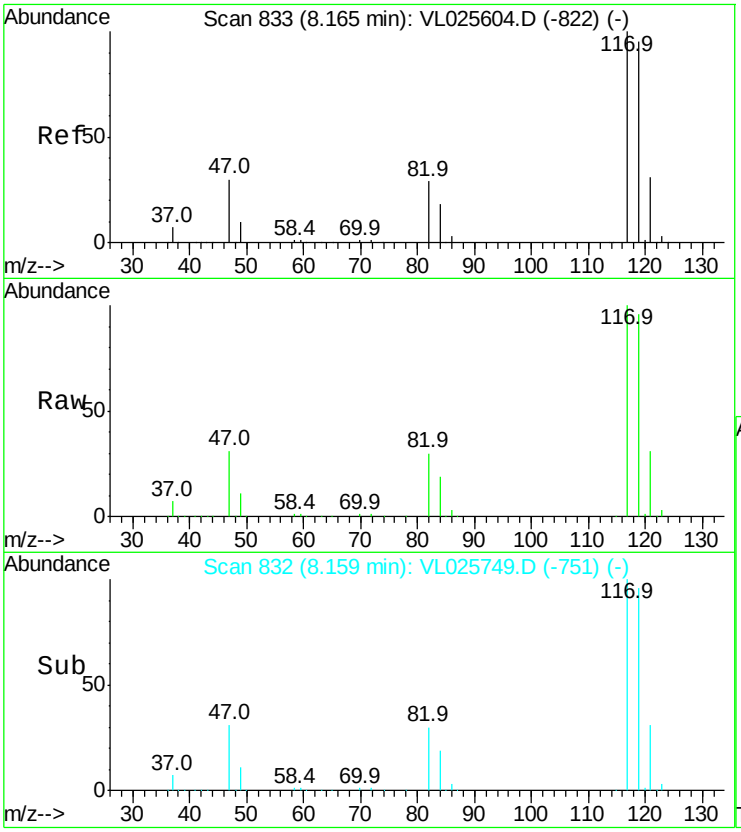


#34
2-Butanone
Concen: 9.31 ppbv
RT: 6.20 min Scan# 510
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 43 Resp: 1009436

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.6	28.0



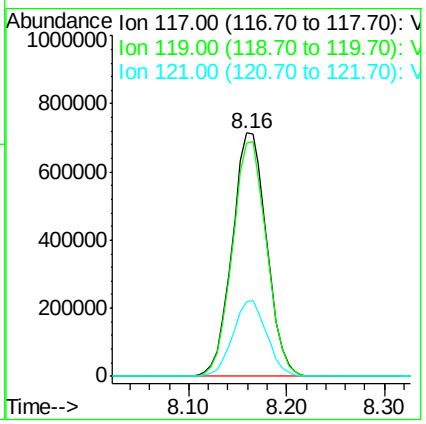


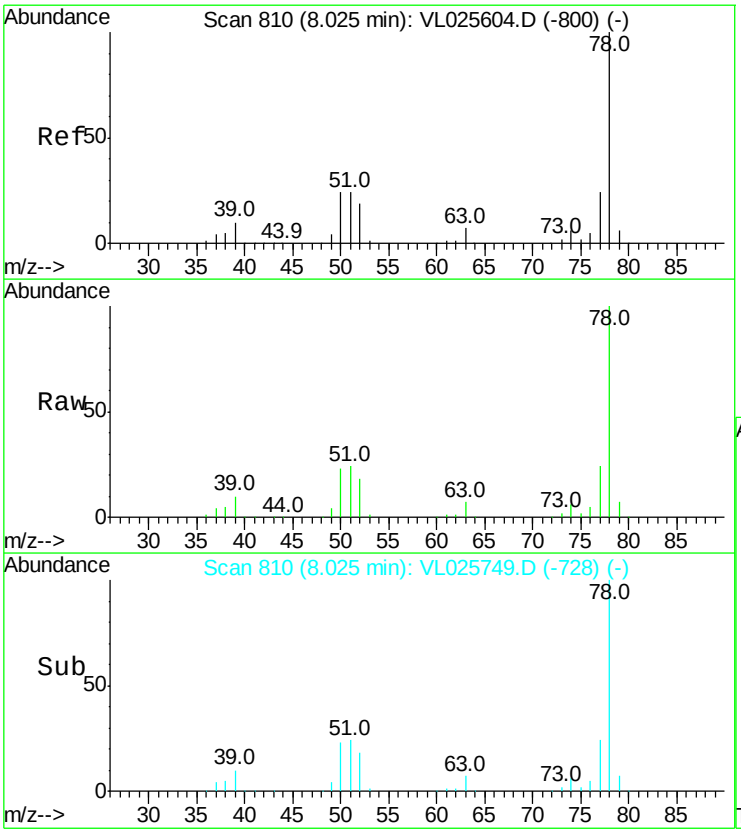
#35
Carbon Tetrachloride
Concen: 8.56 ppbv
RT: 8.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1744350

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.9	113.9
121	30.7	24.4	36.6

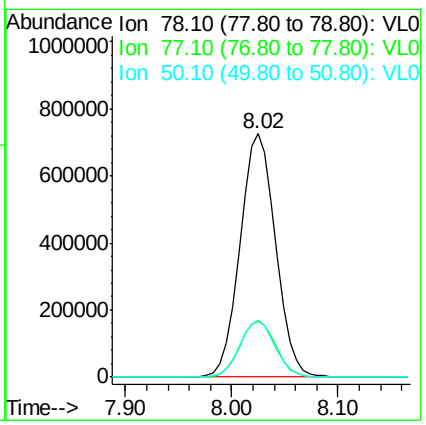


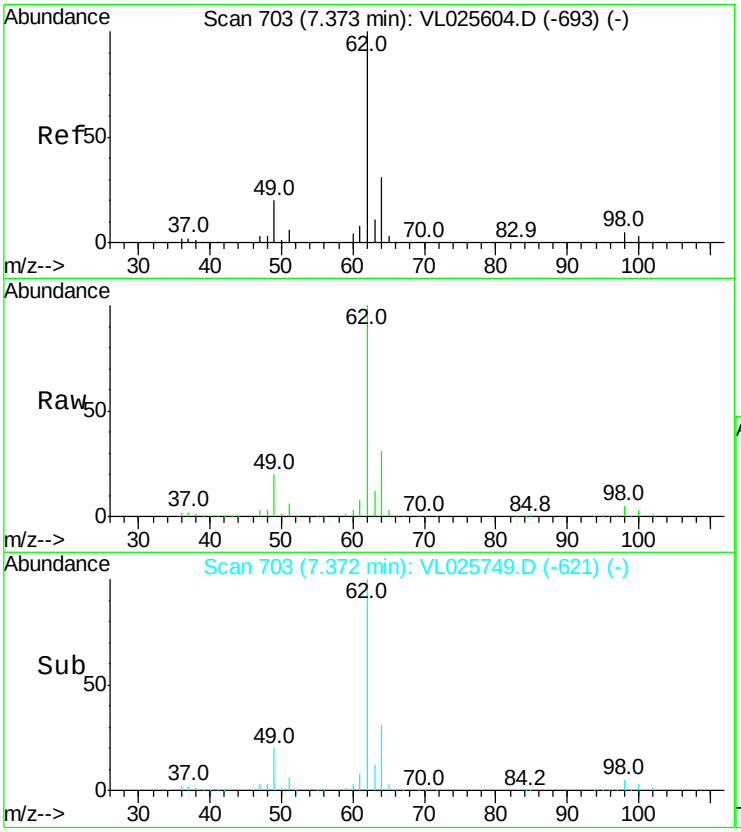


#36
Benzene
Concen: 9.29 ppbv
RT: 8.02 min Scan# 810
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 78 Resp: 1699635

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4
50	22.9	19.2	28.8



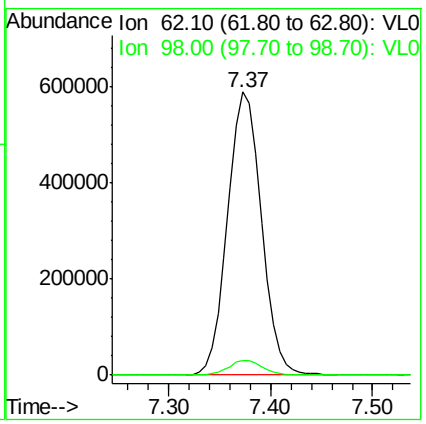


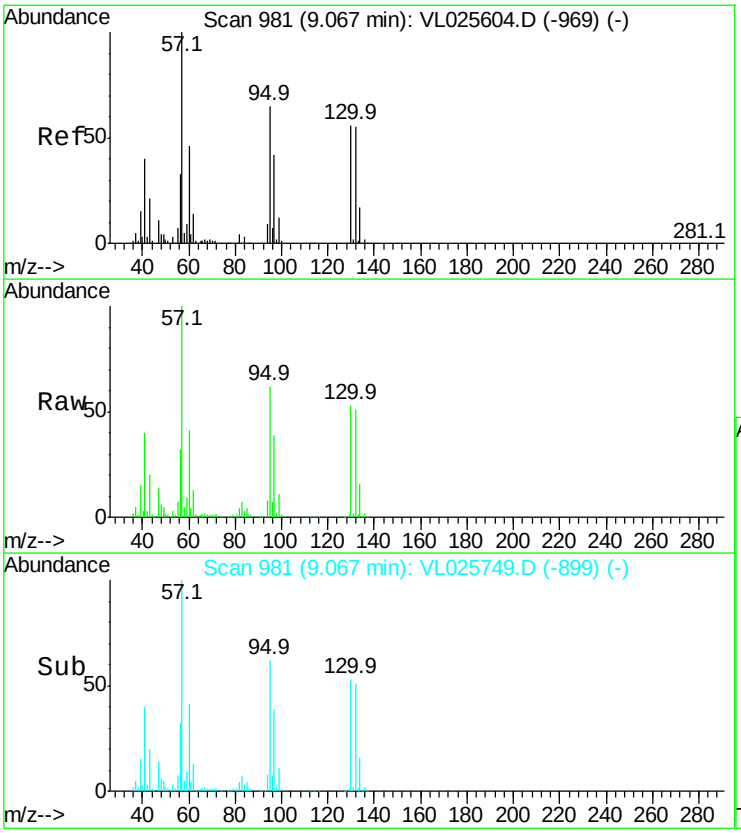
#37
1,2-Dichloroethane
Concen: 8.68 ppbv
RT: 7.37 min Scan# 703
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1356674

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.1	6.1

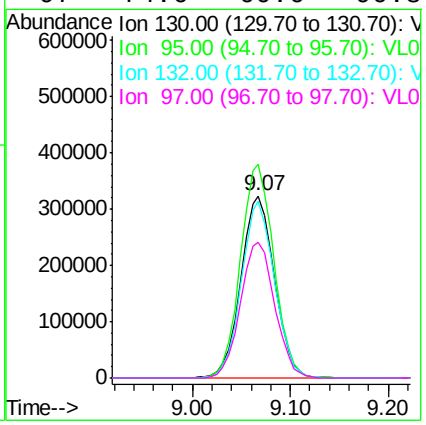


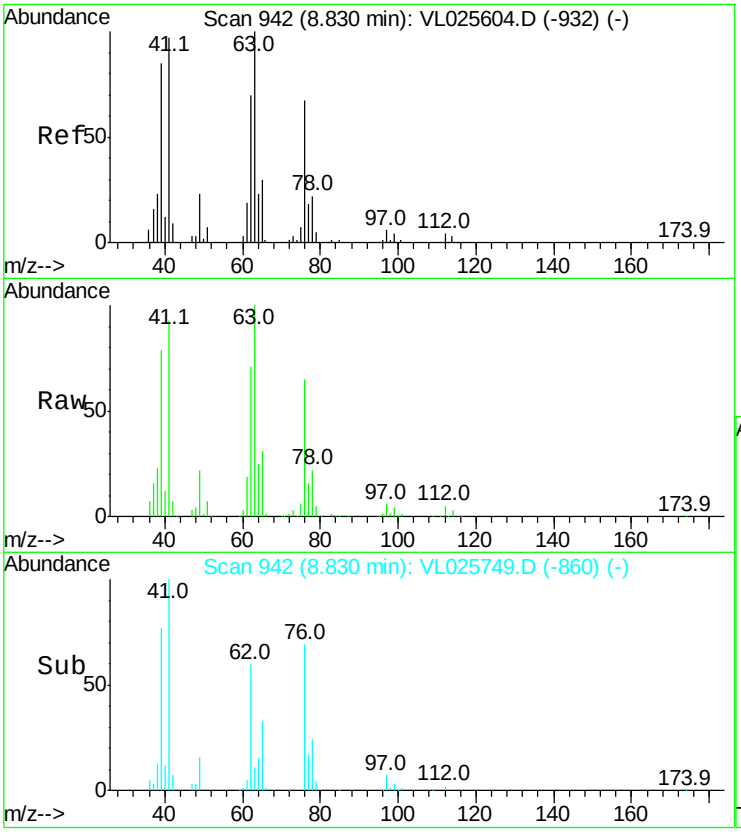


#38
Trichloroethene
Concen: 9.06 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:130 Resp: 771311

Ion	Ratio	Lower	Upper
130	100		
95	117.1	94.2	141.4
132	96.5	78.6	118.0
97	74.6	60.6	90.8



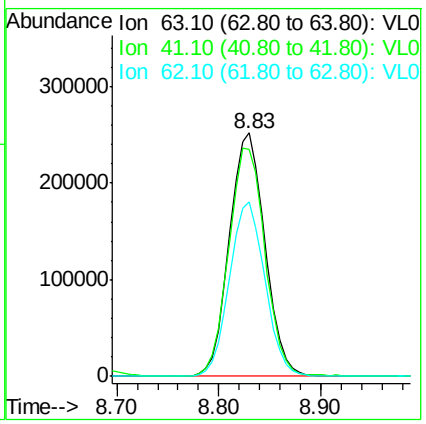


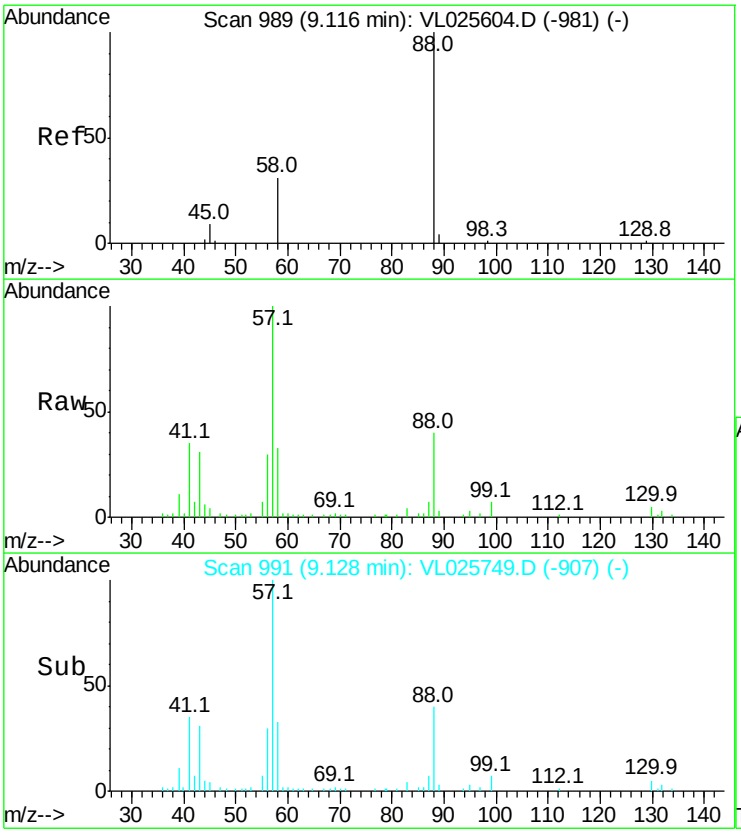
#39
1,2-Dichloropropane
Concen: 9.03 ppbv
RT: 8.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 610429

Ion	Ratio	Lower	Upper
63	100		
41	93.0	78.0	117.0
62	71.5	55.7	83.5

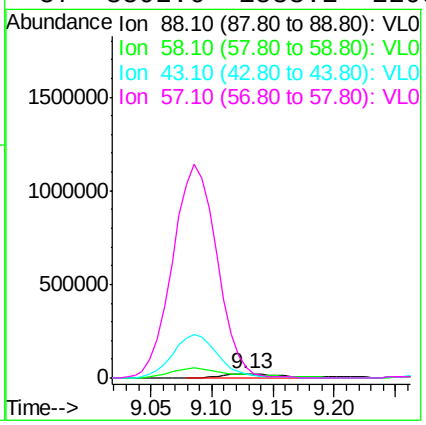


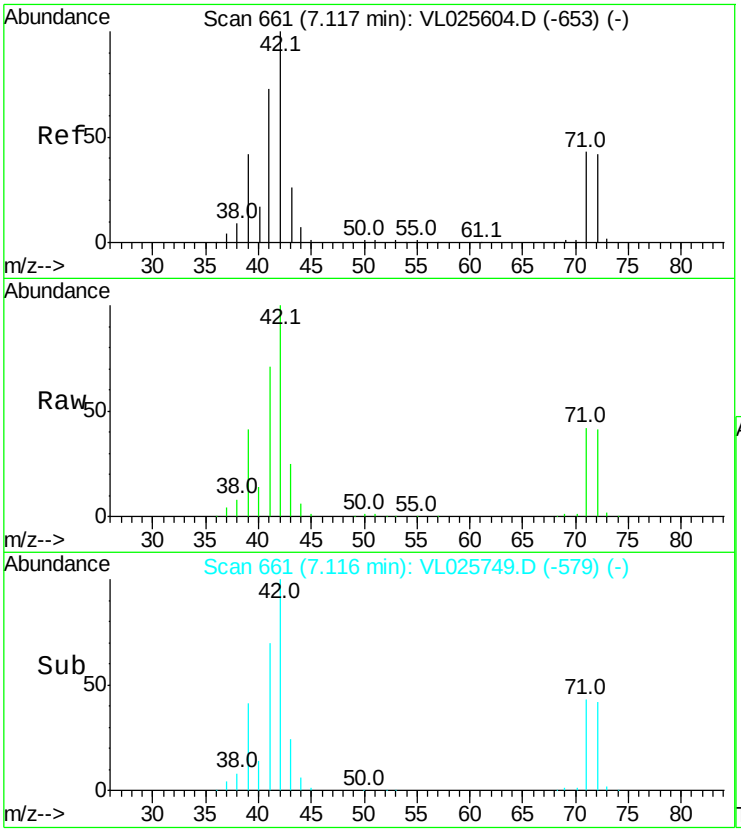


#40
1,4-Dioxane
Concen: 7.60 ppbv
RT: 9.13 min Scan# 991
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 88 Resp: 80635

Ion	Ratio	Lower	Upper
88	100		
58	239.3	127.1	190.7#
43	758.0	337.7	506.5#
57	3592.6	1533.2	2299.8#



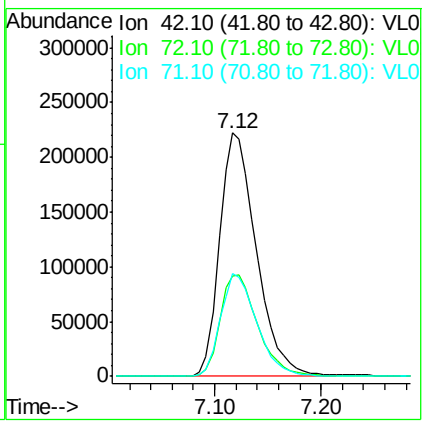


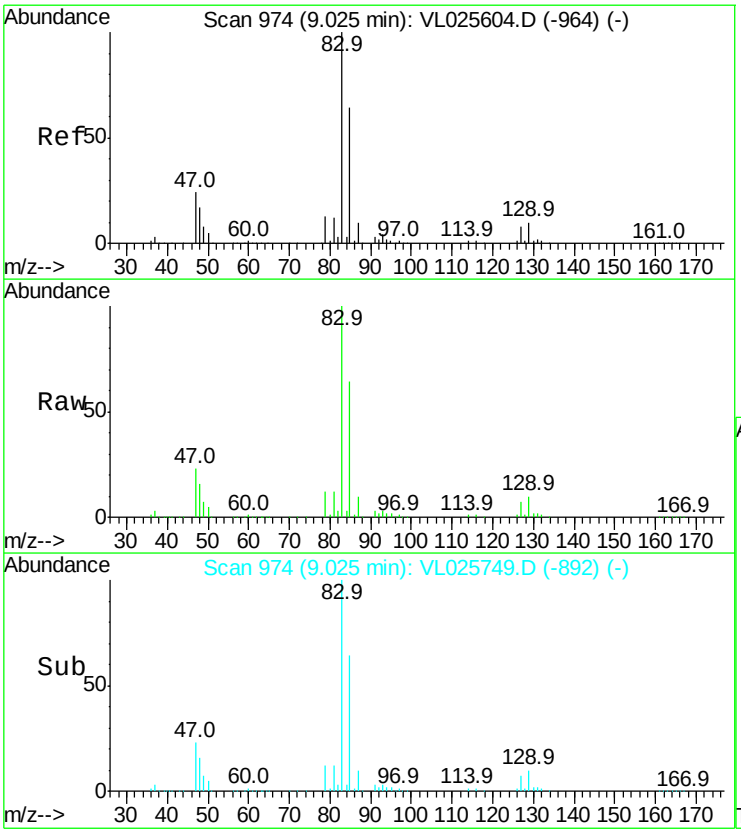
#41
Tetrahydrofuran
Concen: 9.90 ppbv
RT: 7.12 min Scan# 661
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 536177

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	41.8	33.0	49.6

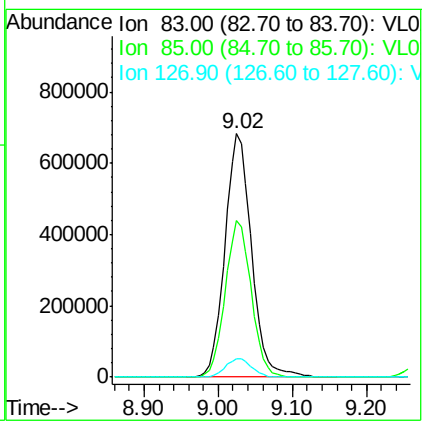


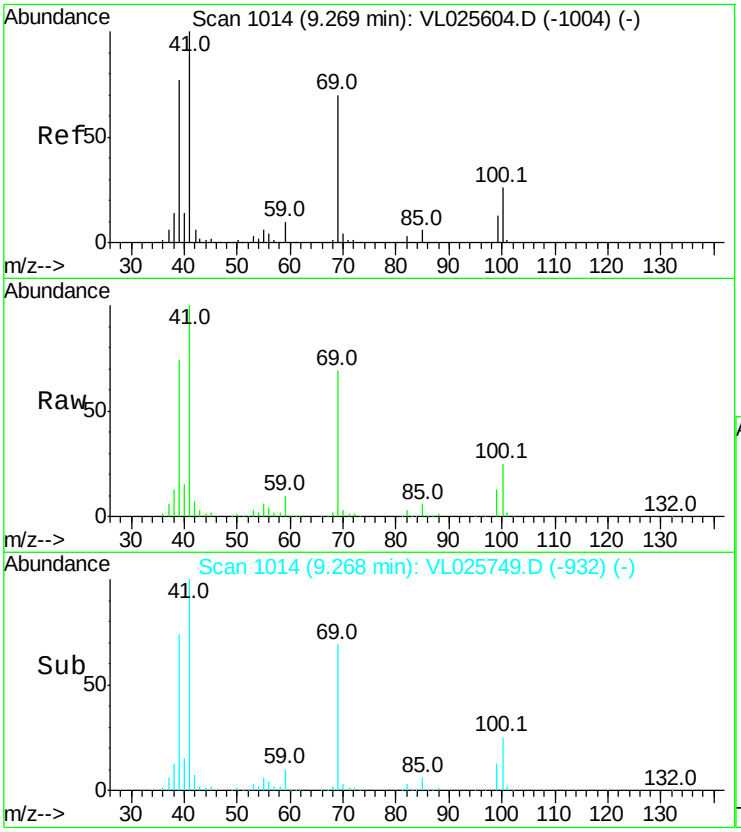


#42
Bromodichloromethane
Concen: 9.02 ppbv
RT: 9.02 min Scan# 974
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 83 Resp: 1700484

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.3	76.9
127	7.5	6.0	9.0



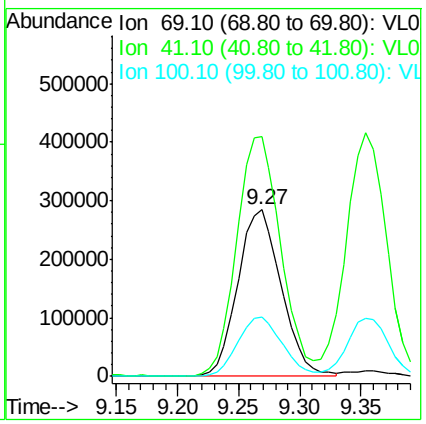


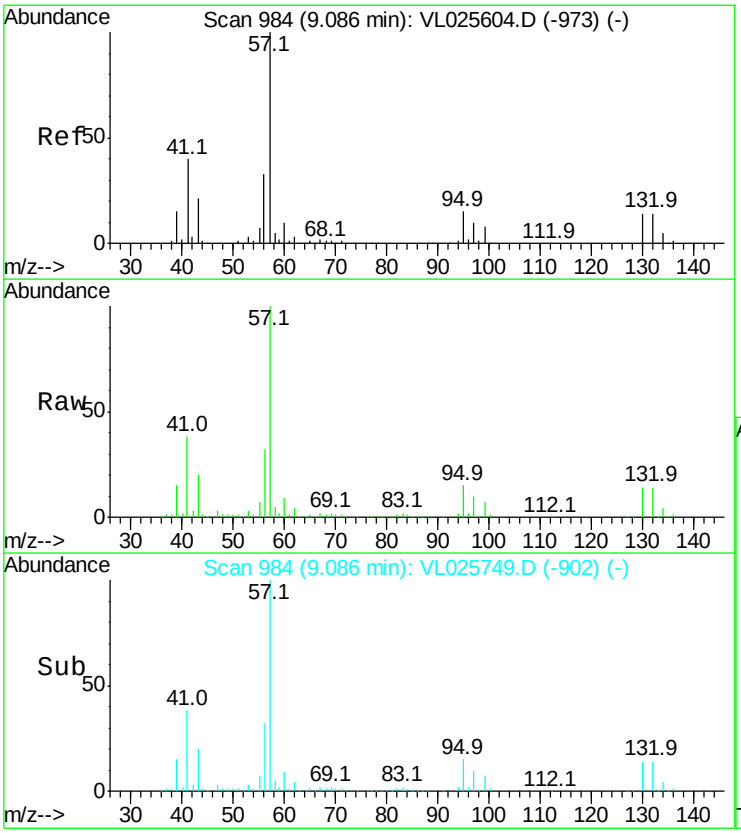
#43
Methyl Methacrylate
Concen: 10.04 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 705610

Ion	Ratio	Lower	Upper
69	100		
41	146.5	117.3	175.9
100	36.2	29.0	43.6

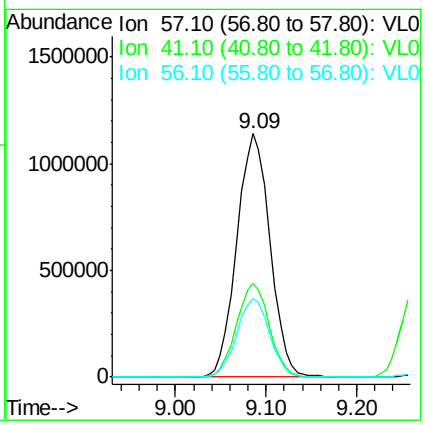


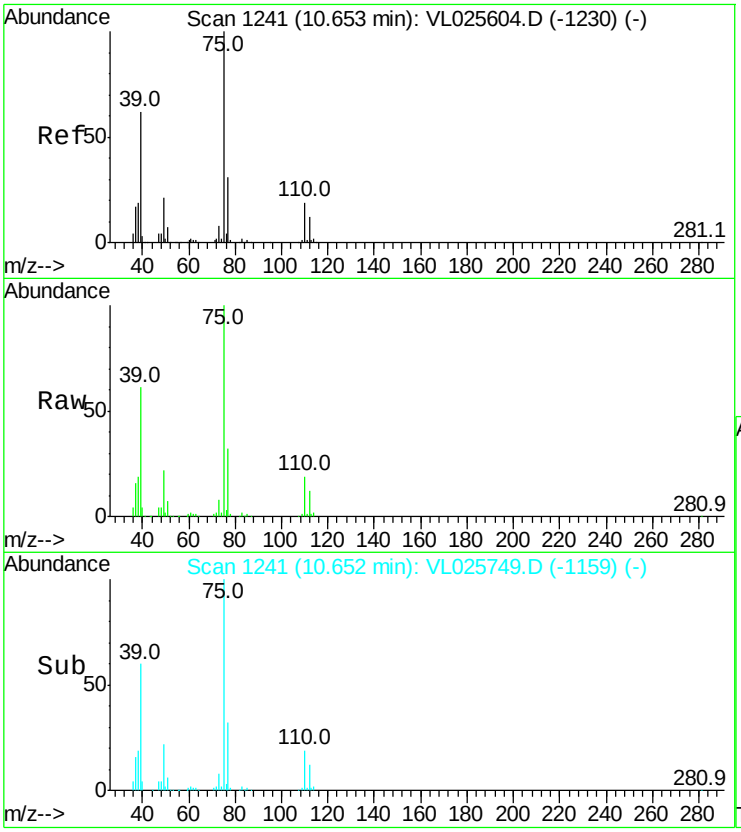


#44
2,2,4-Trimethylpentane
Concen: 9.21 ppbv
RT: 9.09 min Scan# 984
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 57 Resp: 2891207

Ion	Ratio	Lower	Upper
57	100		
41	38.1	31.2	46.8
56	32.1	25.4	38.2



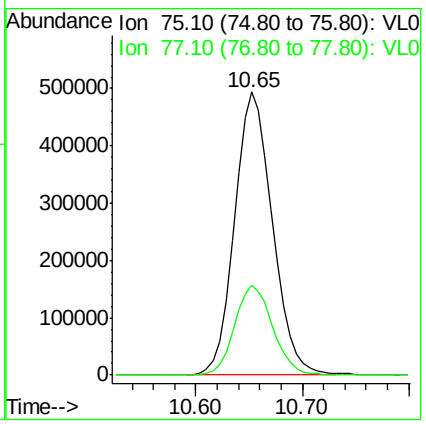


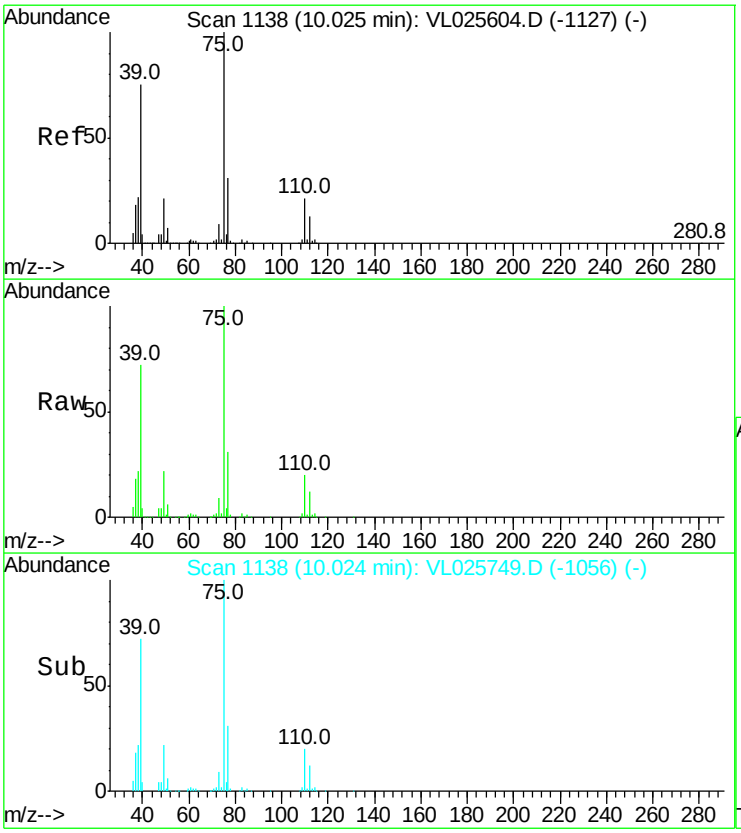
#45
t-1,3-Dichloropropene
Concen: 10.42 ppbv
RT: 10.65 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 75 Resp: 1230808

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	37.0

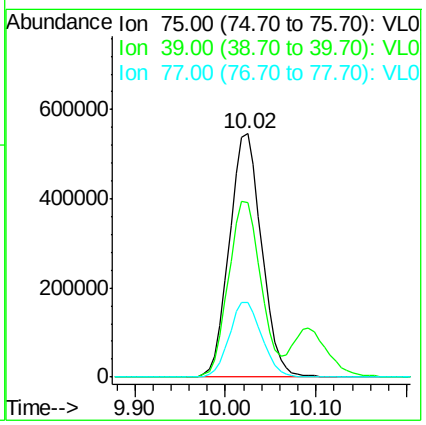


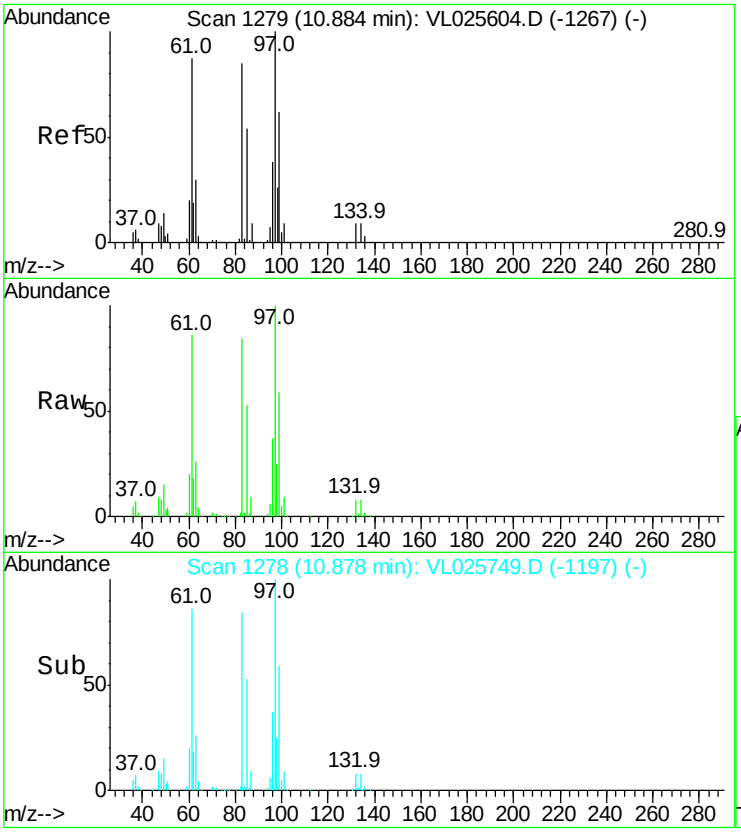


#46
cis-1,3-Dichloropropene
Concen: 10.33 ppbv
RT: 10.02 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 75 Resp: 1349494

Ion	Ratio	Lower	Upper
75	100		
39	71.8	60.4	90.6
77	30.6	24.6	37.0



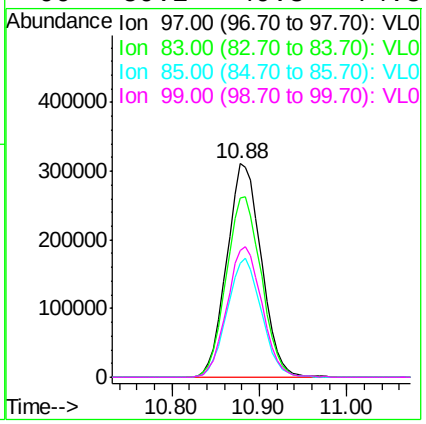


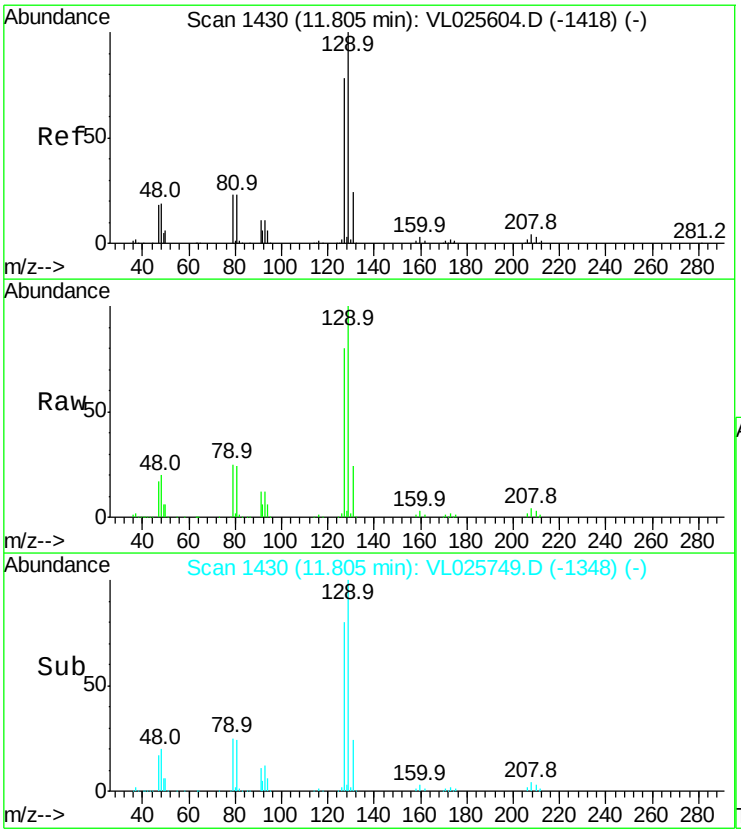
#47
1,1,2-Trichloroethane
Concen: 9.09 ppbv
RT: 10.88 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 97 Resp: 855000

Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.8	101.8
85	53.4	43.5	65.3
99	59.2	49.8	74.8

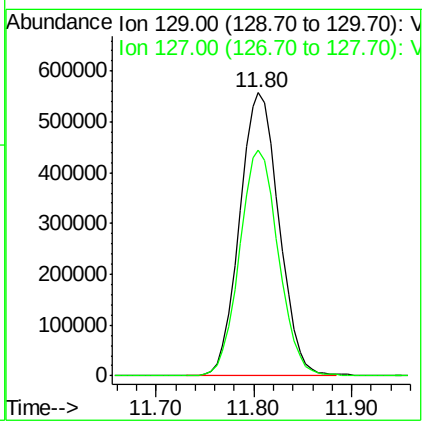


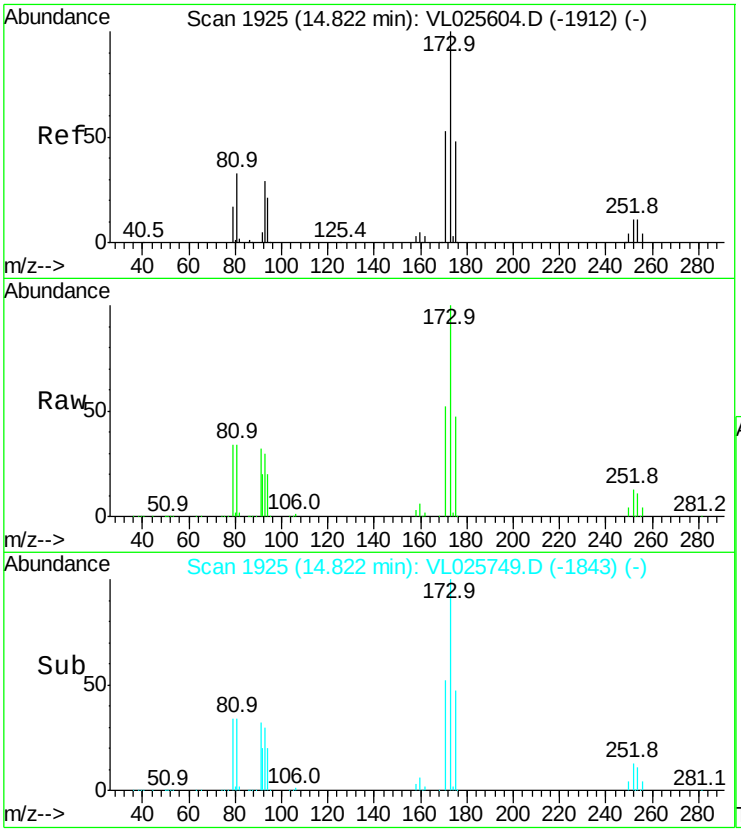


#48
Dibromochloromethane
Concen: 9.24 ppbv
RT: 11.80 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:129 Resp: 1555747

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.0	116.9



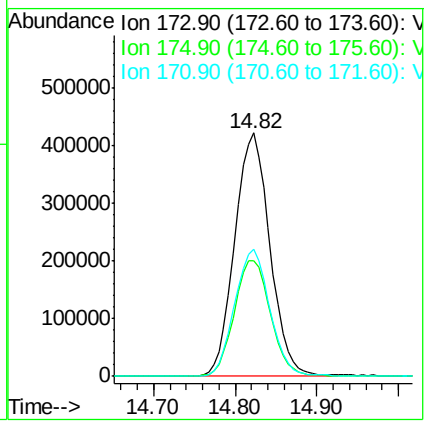


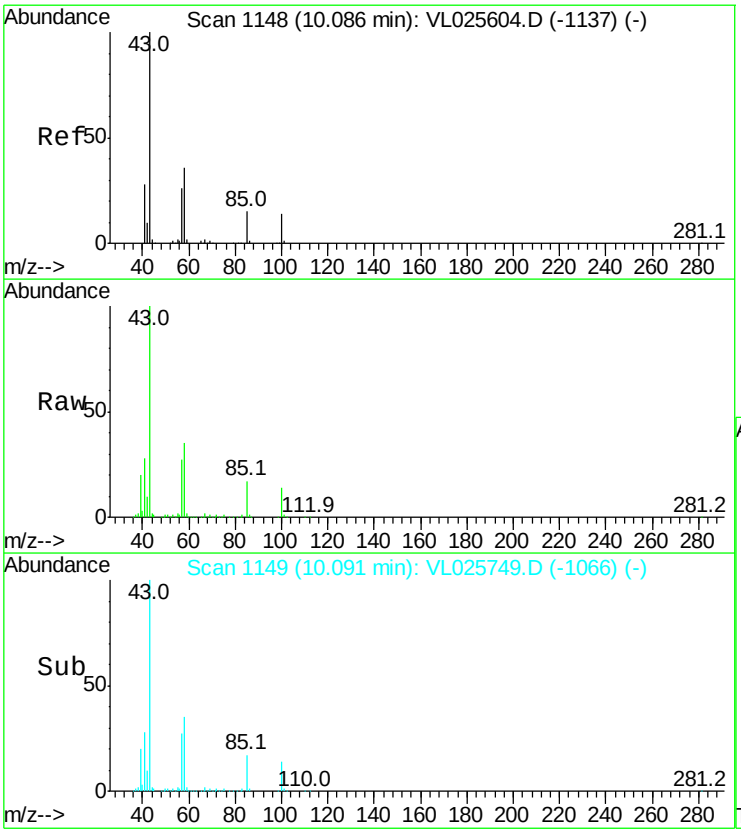
#49
Bromoform
Concen: 9.13 ppbv
RT: 14.82 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1267028

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.5	59.3
171	52.5	42.2	63.2

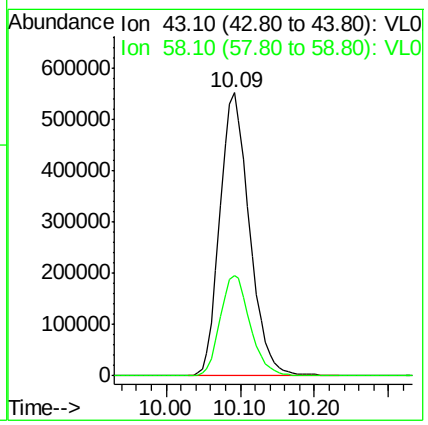


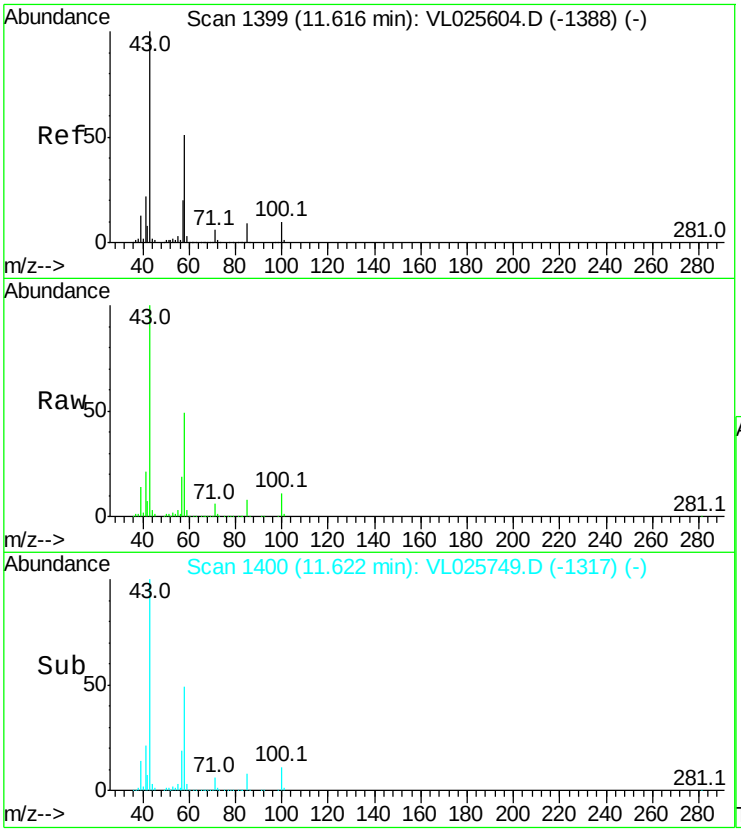


#50
4-Methyl-2-Pentanone
Concen: 9.76 ppbv
RT: 10.09 min Scan# 1149
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 43 Resp: 1524719

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.5	42.7



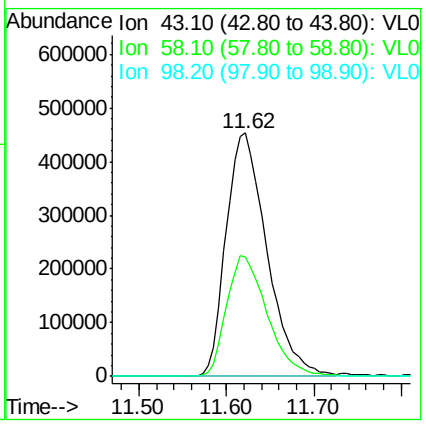


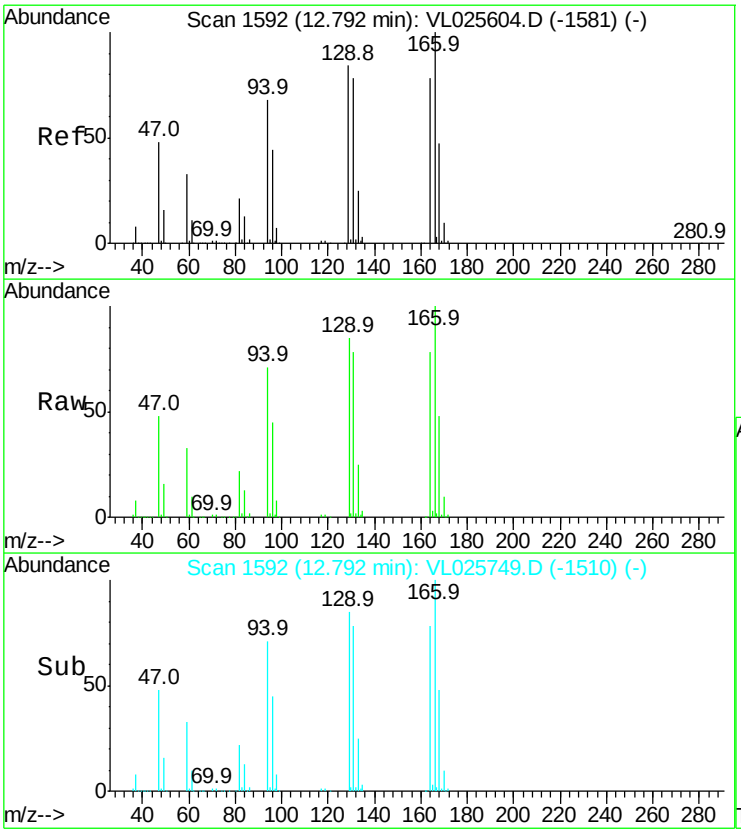
#51
2-Hexanone
Concen: 10.49 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1470342

Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.0	58.6
98	0.3	0.2	0.4

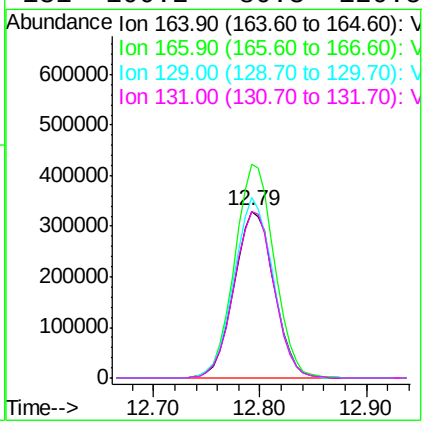


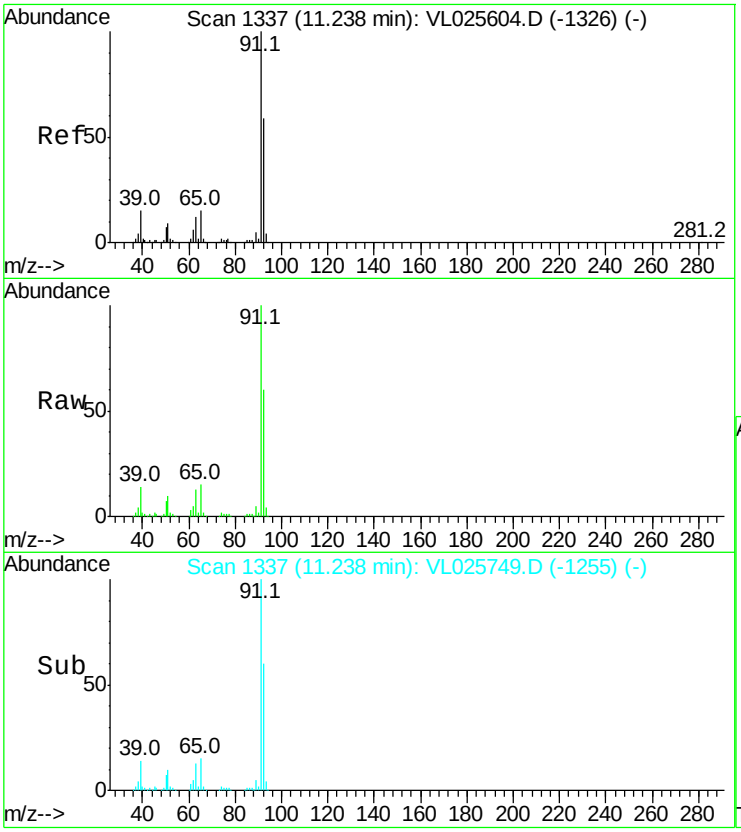


#52
Tetrachloroethene
Concen: 9.46 ppbv
RT: 12.79 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:164 Resp: 869003

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.3	153.5
129	108.4	86.2	129.4
131	100.2	80.3	120.5



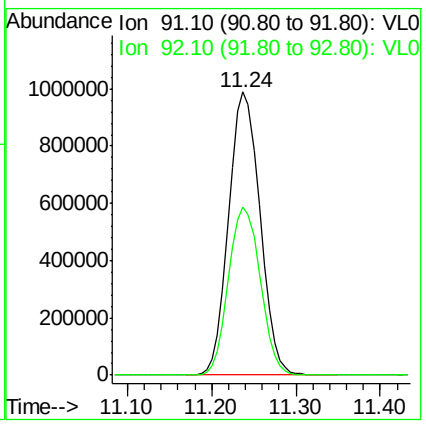


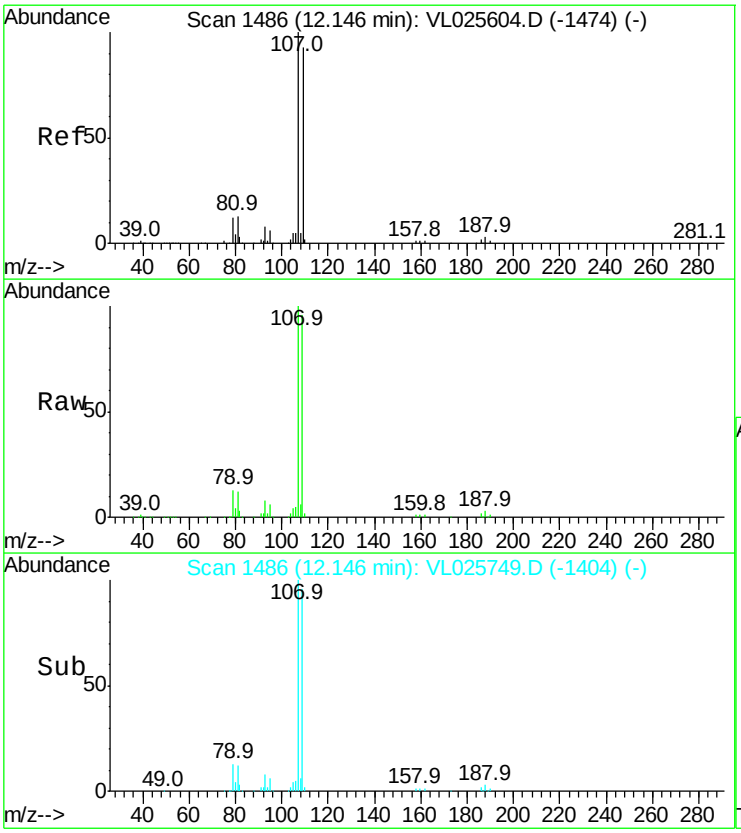
#53
Toluene
Concen: 9.72 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2500442

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.2	72.2

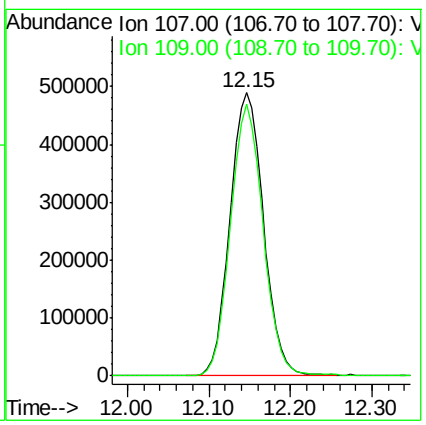


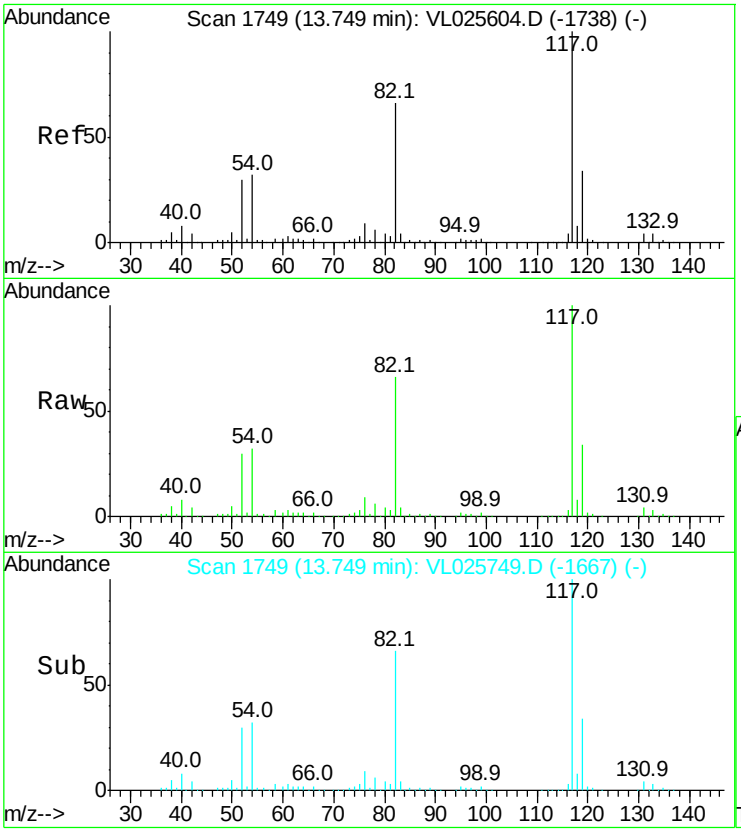


#54
1,2-Dibromoethane
Concen: 9.13 ppbv
RT: 12.15 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:107 Resp: 1389211

Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.1	111.1



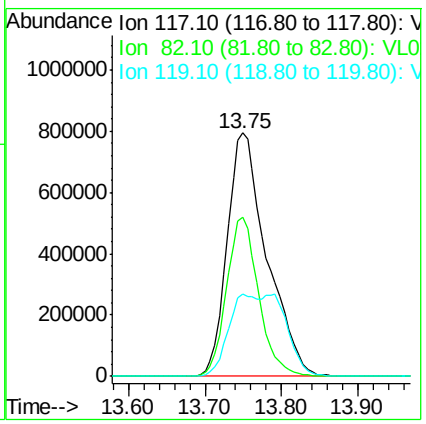


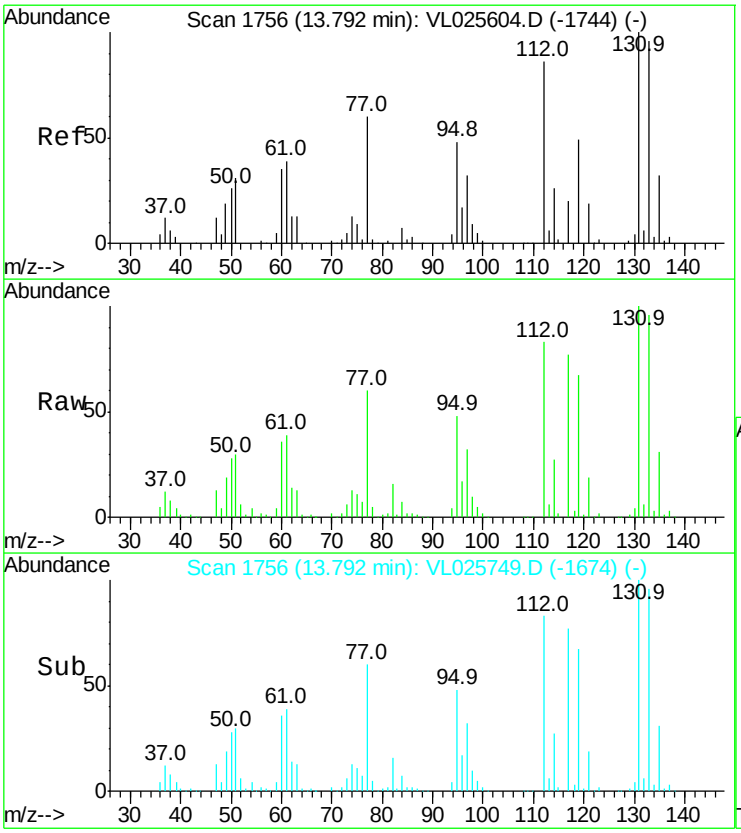
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2856072

Ion	Ratio	Lower	Upper
117	100		
82	53.2	50.5	75.7
119	48.1	45.1	67.7

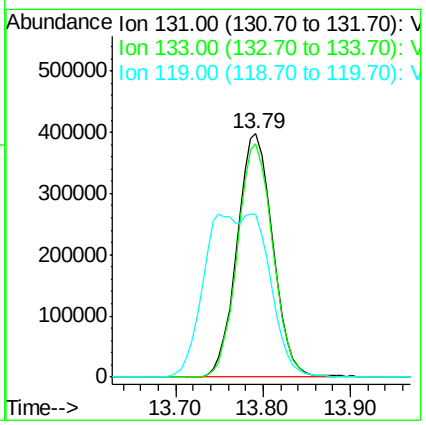


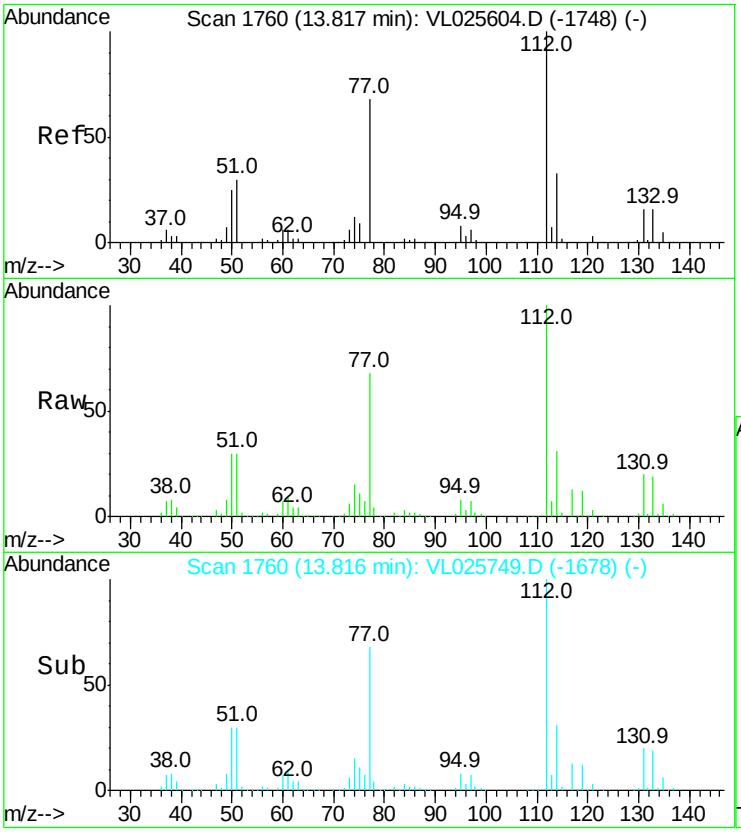


#56
1,1,1,2-Tetrachloroethane
Concen: 7.30 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:131 Resp: 1127766

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.9	115.3
119	121.9	97.8	146.8



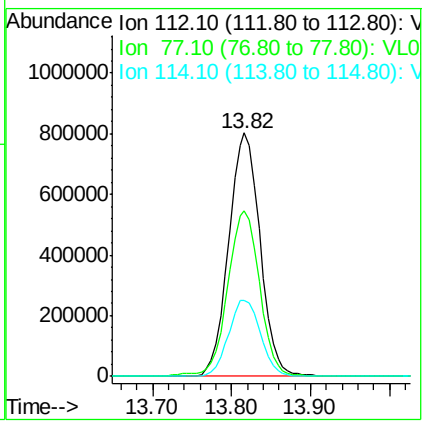


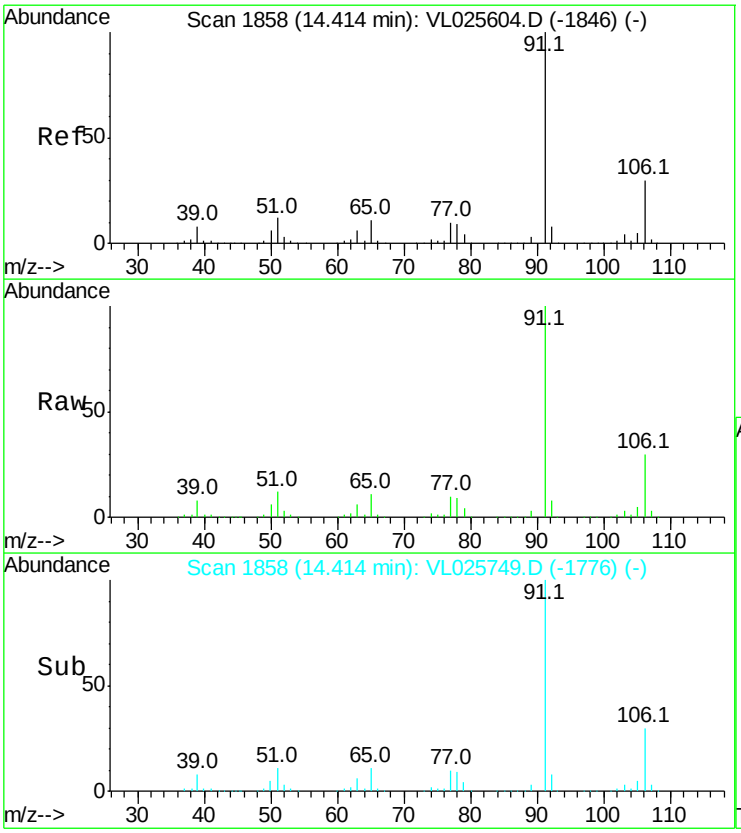
#57
Chlorobenzene
Concen: 7.31 ppbv
RT: 13.82 min Scan# 1760
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 2222520

Ion	Ratio	Lower	Upper
112	100		
77	67.7	55.2	82.8
114	31.3	29.4	36.0

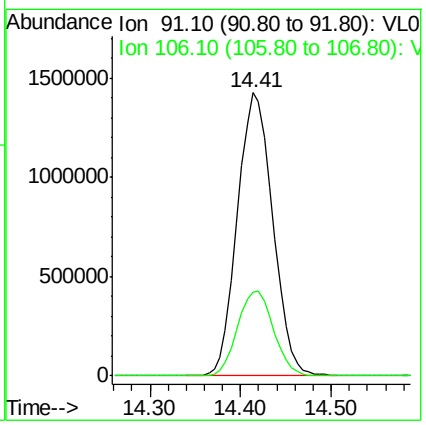


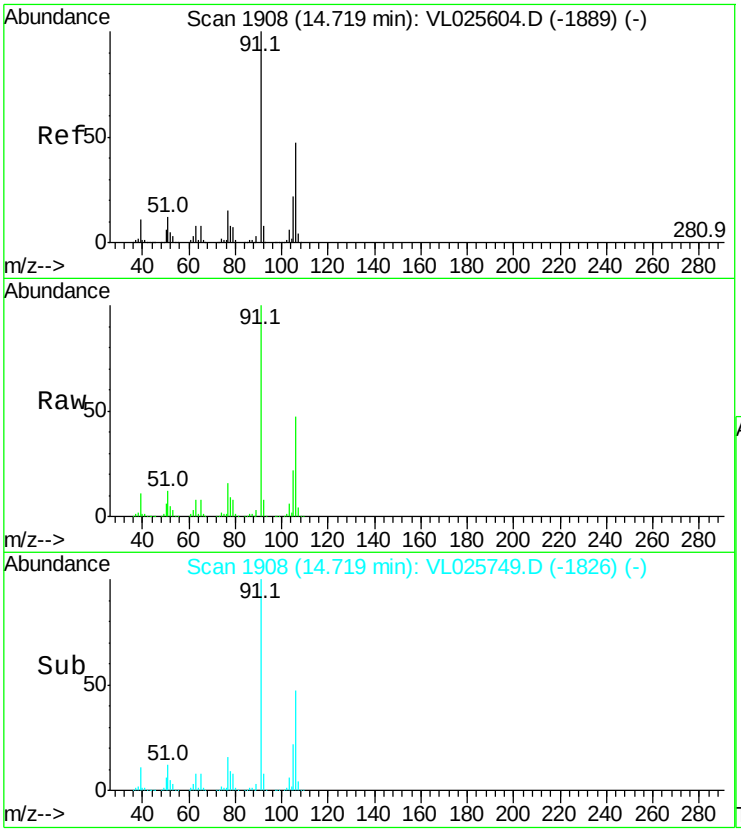


#58
Ethyl Benzene
Concen: 8.18 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 91 Resp: 3857679

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.2



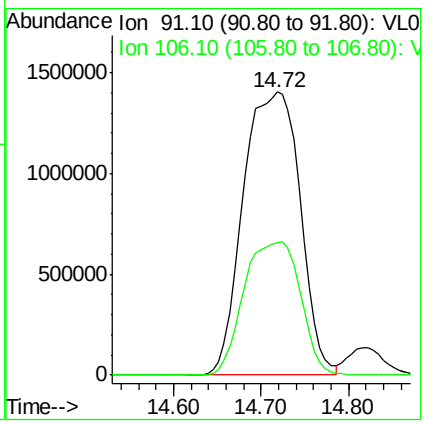


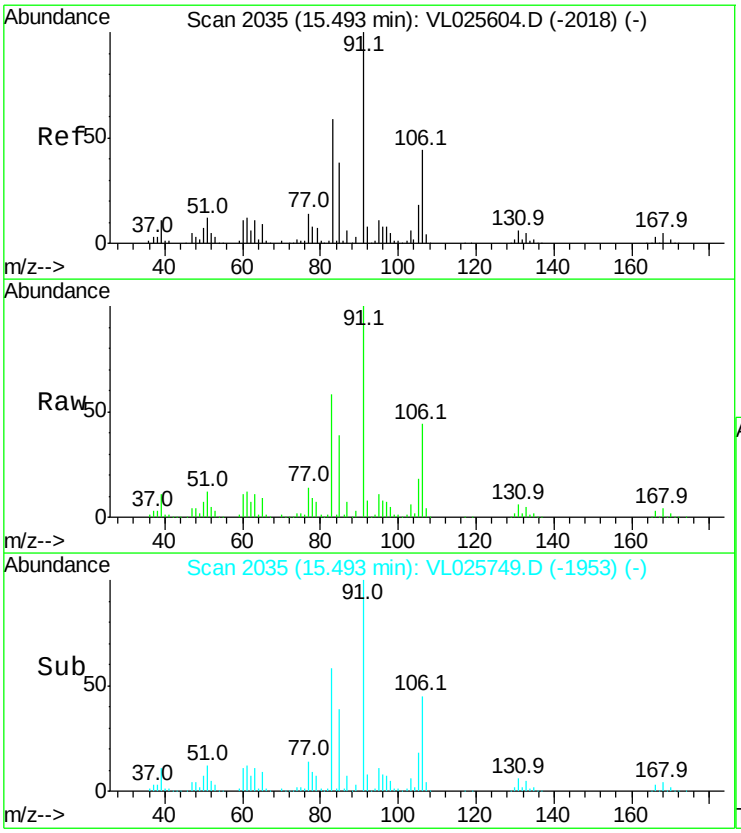
#59
m/p-Xylene
Concen: 15.25 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 6320799

Ion	Ratio	Lower	Upper
91	100		
106	47.1	37.9	56.9

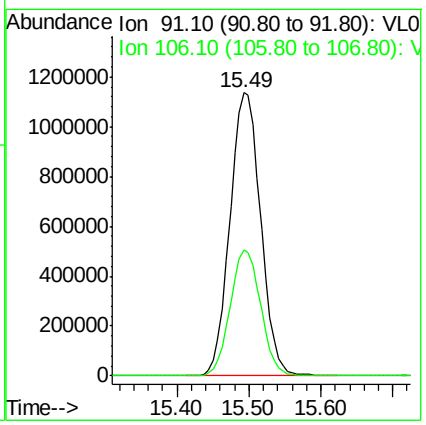


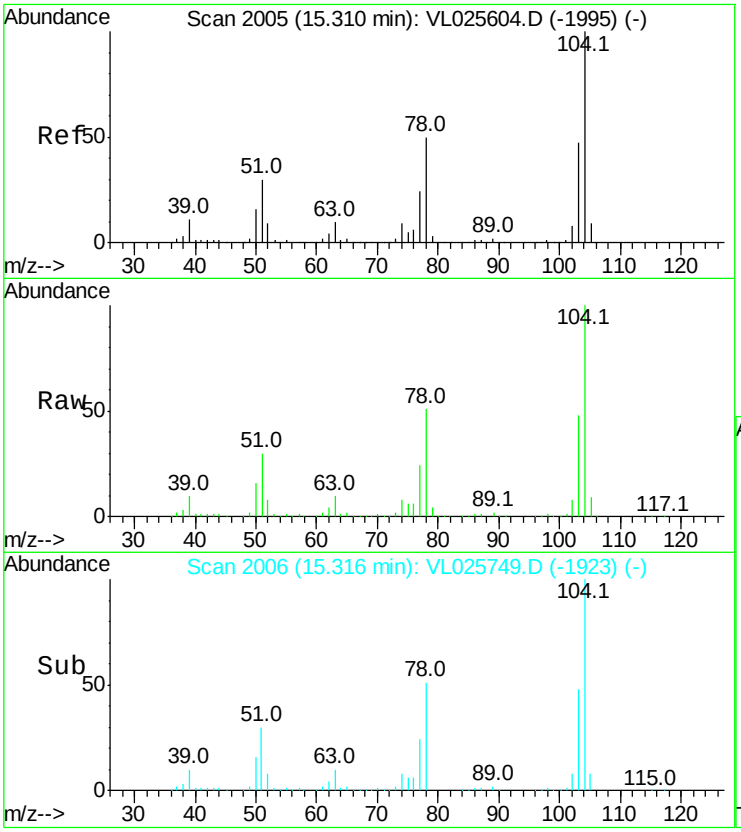


#60
o-Xylene
Concen: 7.53 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 91 Resp: 3360081

Ion	Ratio	Lower	Upper
91	100		
106	44.3	22.1	66.1



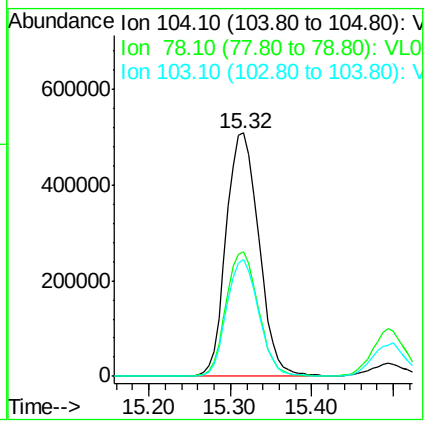


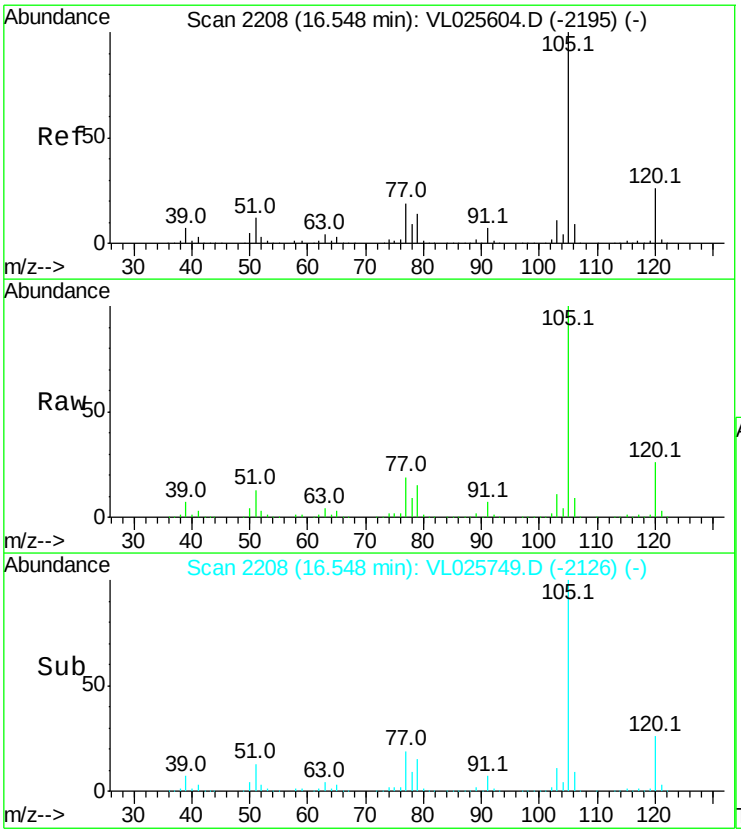
#61
Styrene
Concen: 9.06 ppbv
RT: 15.32 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1417489

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.2	60.4
103	47.1	37.4	56.2

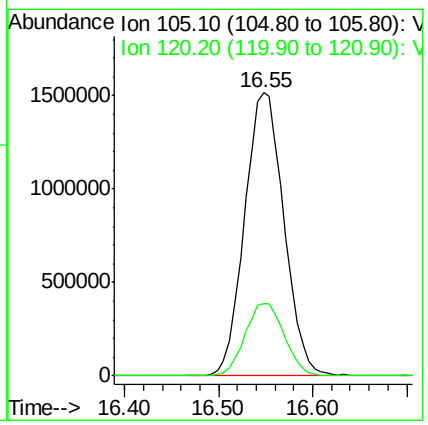


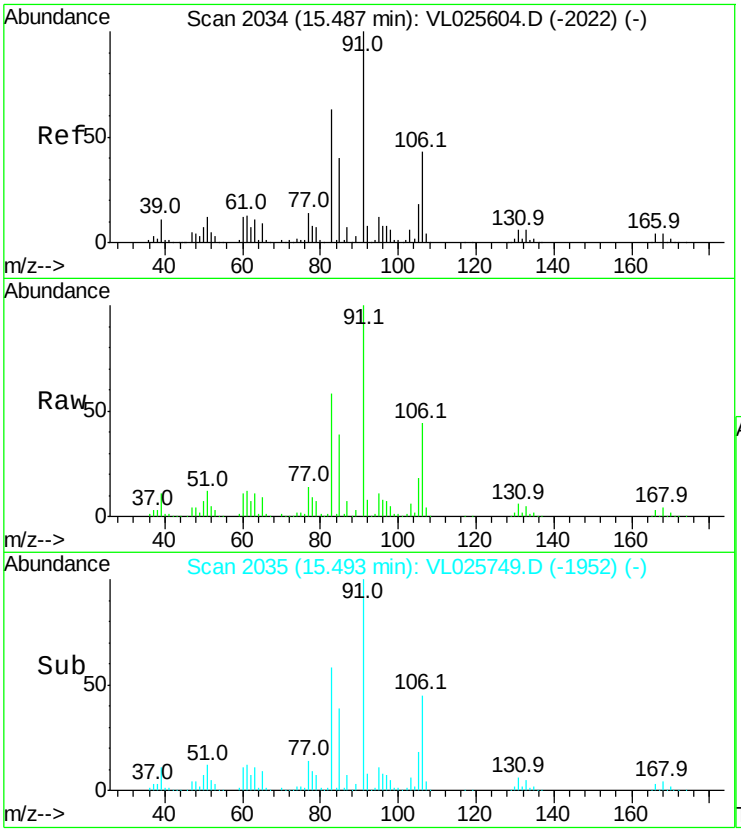


#62
Isopropylbenzene
Concen: 7.59 ppbv
RT: 16.55 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:105 Resp: 4429643

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	31.0



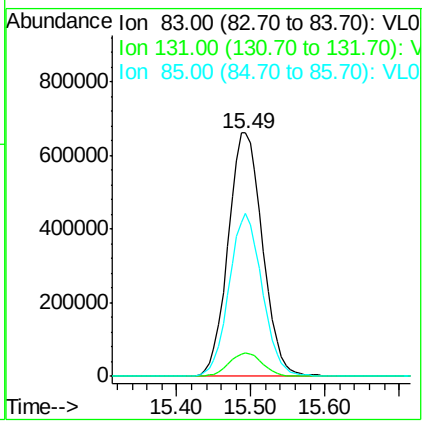


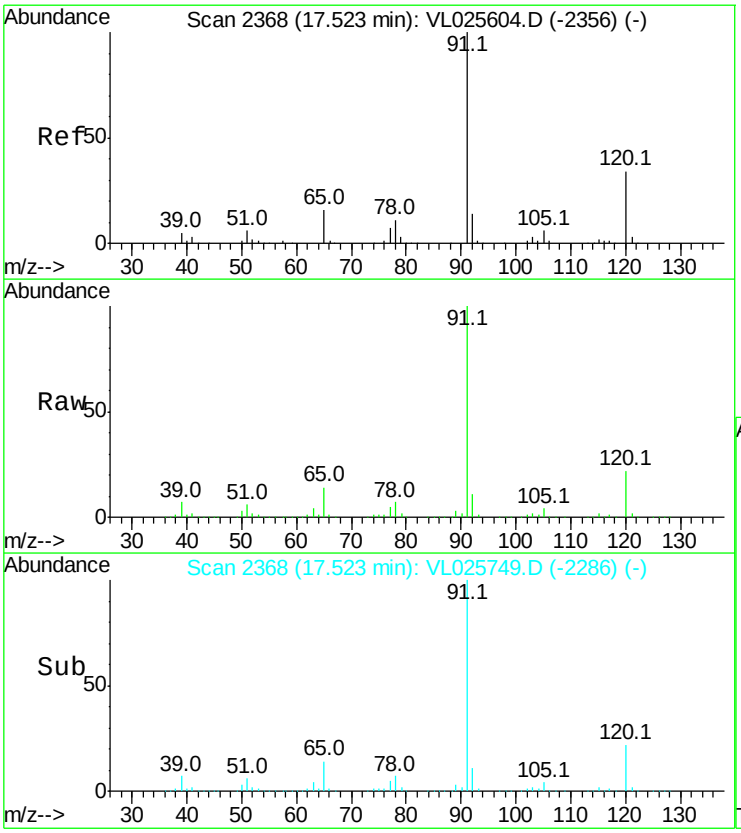
#63
1,1,2,2-Tetrachloroethane
Concen: 7.10 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 2142902

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.6	32.4	97.2

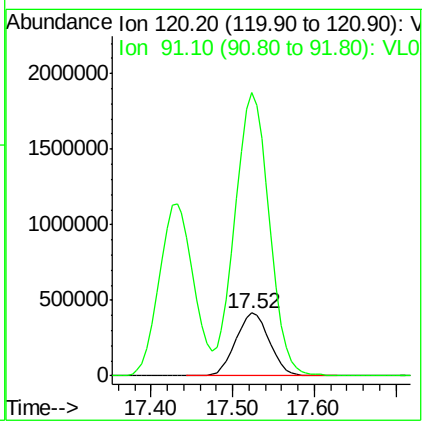


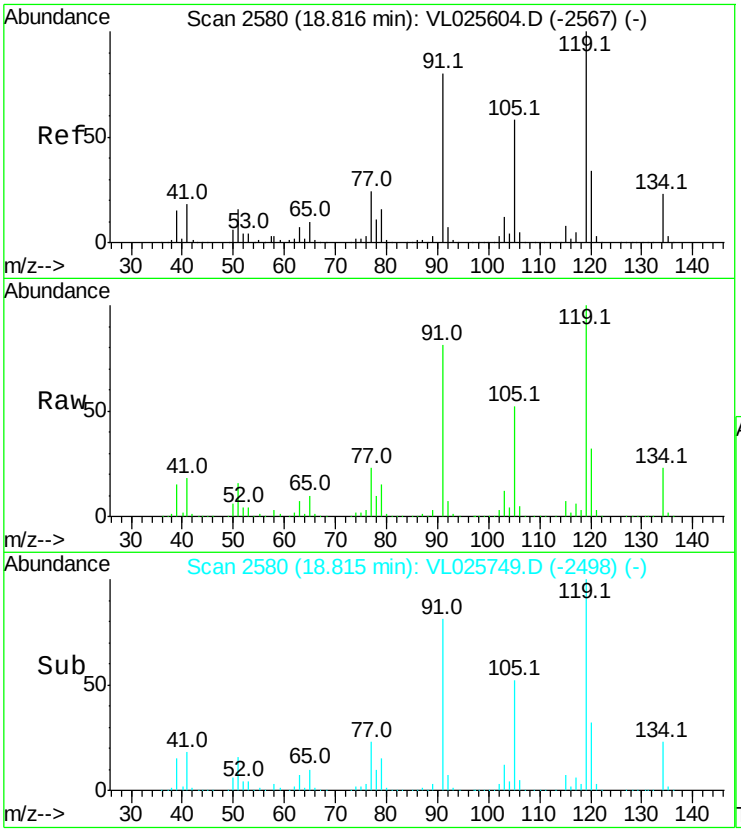


#64
n-propylbenzene
Concen: 7.57 ppbv
RT: 17.52 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:120 Resp: 1194461

Ion	Ratio	Lower	Upper
120	100		
91	454.9	370.5	555.7



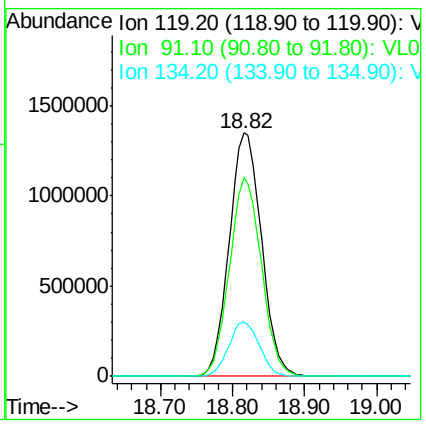


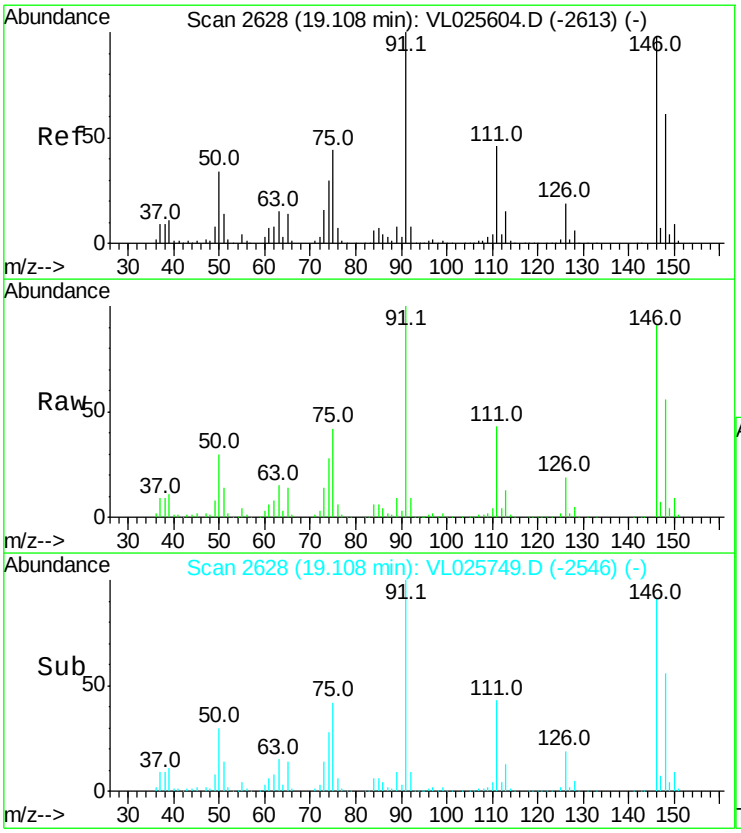
#65
tert-Butylbenzene
Concen: 7.33 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4196589

Ion	Ratio	Lower	Upper
119	100		
91	80.7	64.5	96.7
134	21.4	17.4	26.0

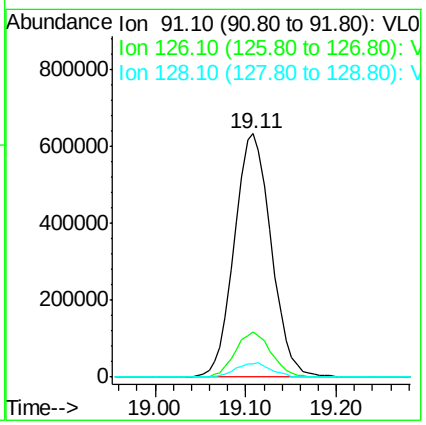


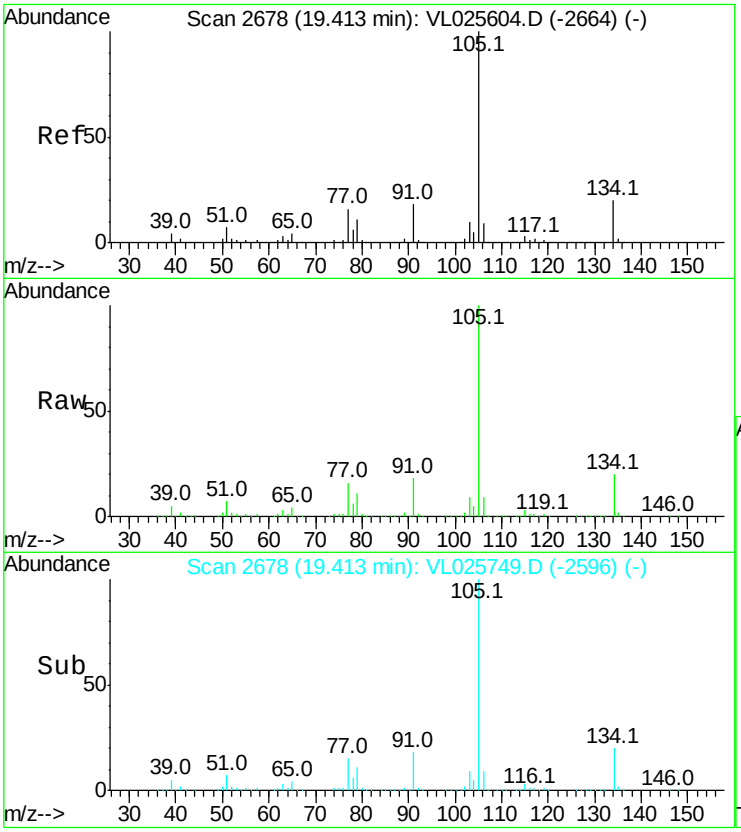


#66
Benzyl Chloride
Concen: 8.49 ppbv
RT: 19.11 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 91 Resp: 1782874

Ion	Ratio	Lower	Upper
91	100		
126	18.2	14.5	21.7
128	5.7	4.6	7.0



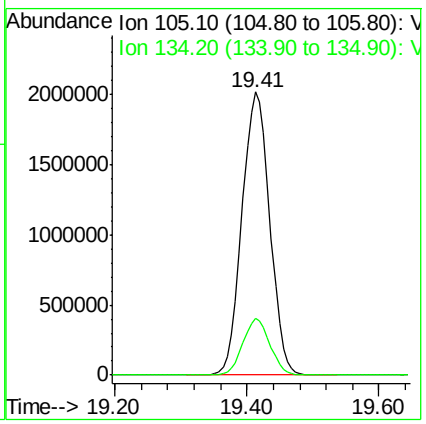


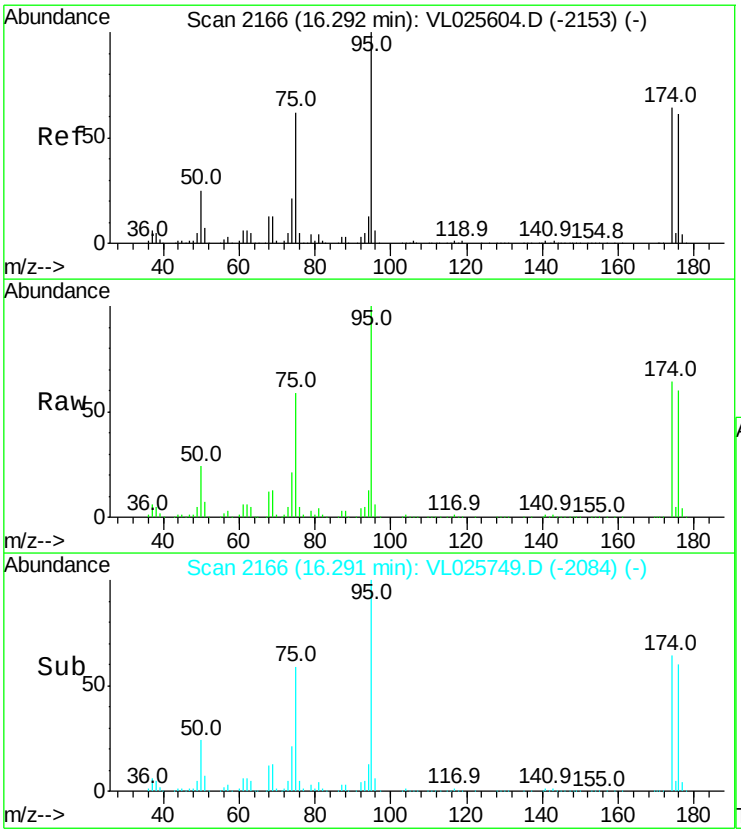
#67
sec-Butylbenzene
Concen: 7.34 ppbv
RT: 19.41 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 5890377

Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.4	23.2

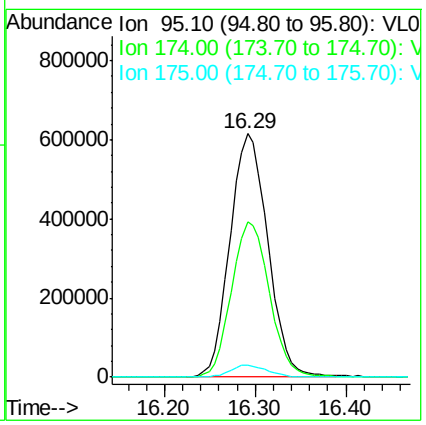


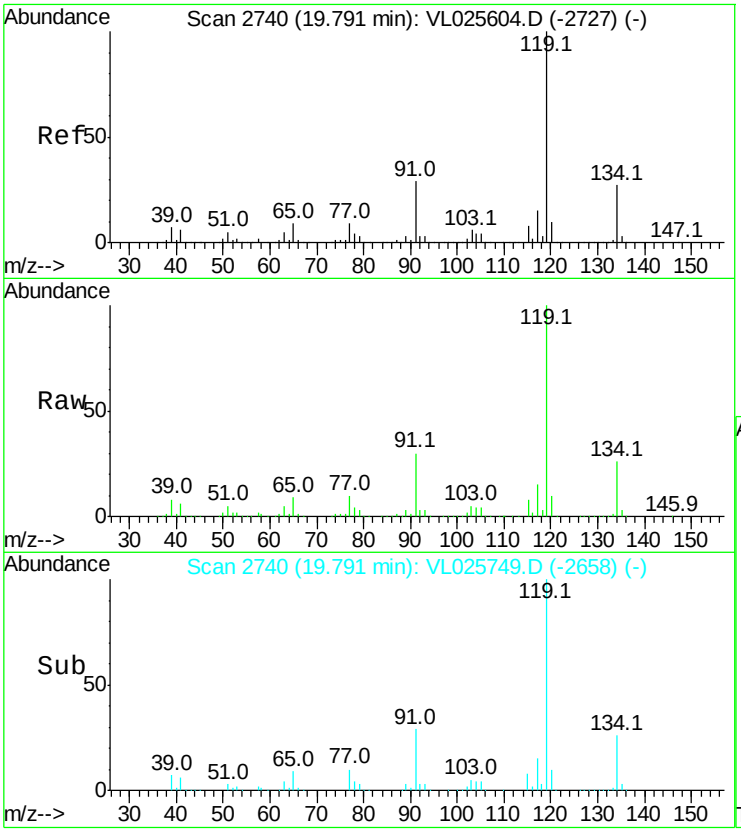


#68
1-Bromo-4-Fluorobenzene
Concen: 7.40 ppbv
RT: 16.29 min Scan# 2166
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 95 Resp: 1783668

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.0	78.0
175	4.9	3.9	5.9



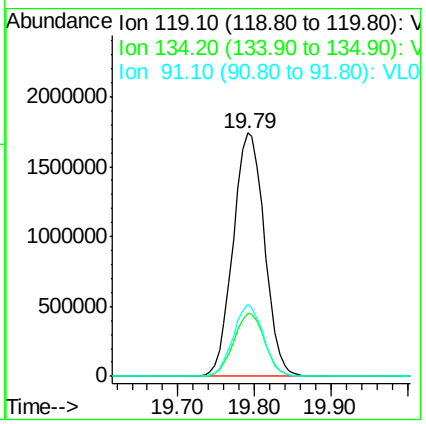


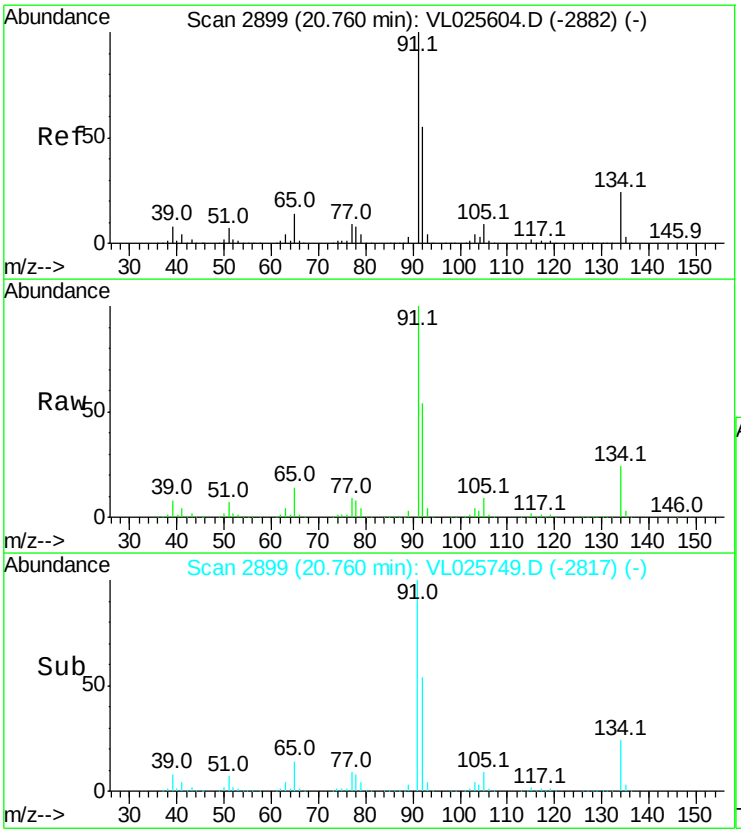
#69
p-Isopropyltoluene
Concen: 7.47 ppbv
RT: 19.79 min Scan# 2740
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4943742

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.7	31.1
91	28.4	22.6	34.0

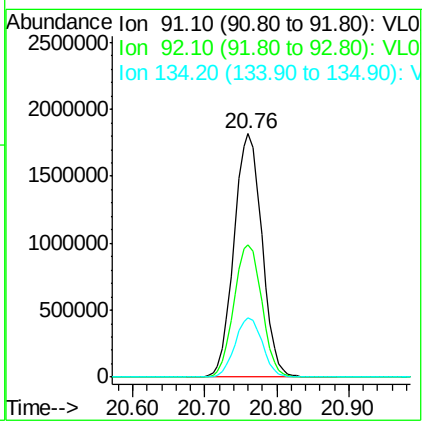


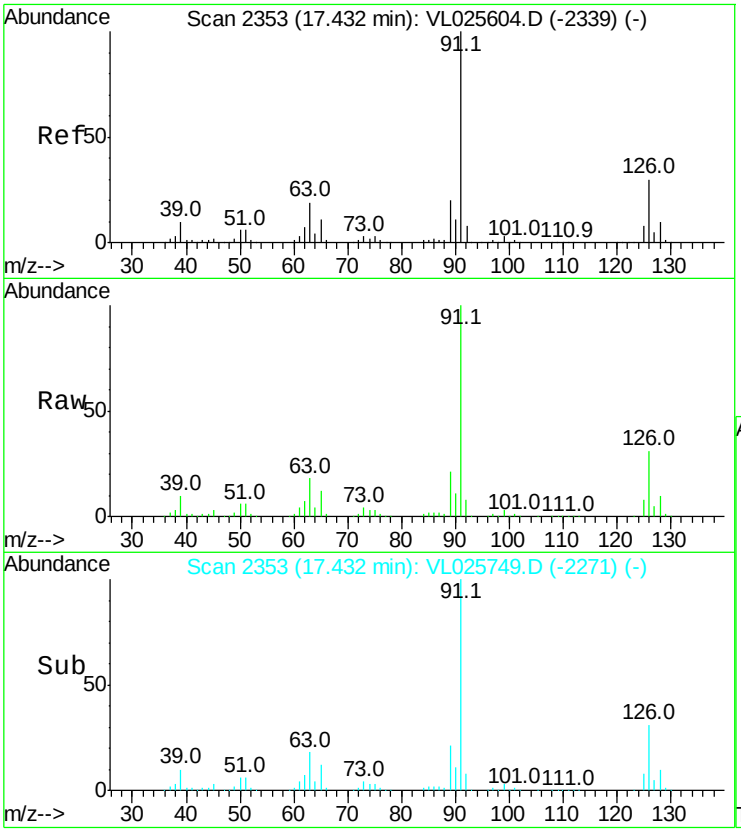


#70
n-Butylbenzene
Concen: 7.29 ppbv
RT: 20.76 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion: 91 Resp: 4889094

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.3	66.5
134	24.0	19.4	29.2



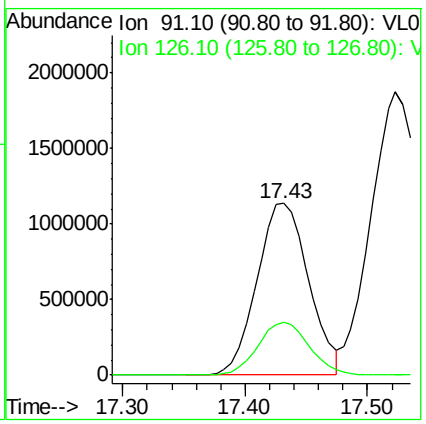


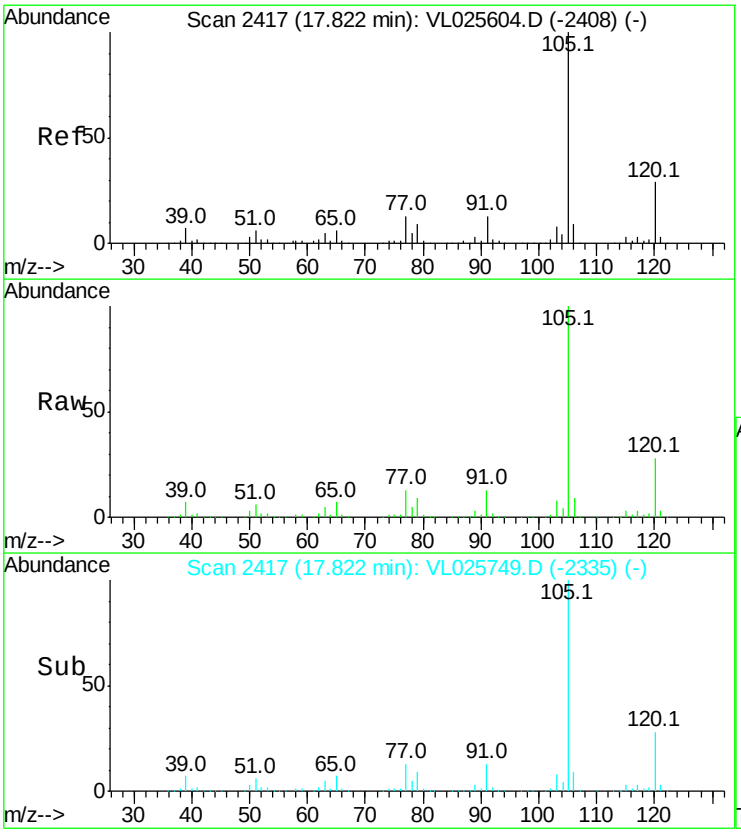
#71
2-Chlorotoluene
Concen: 7.84 ppbv
RT: 17.43 min Scan# 2353
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3355411

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.2	49.0

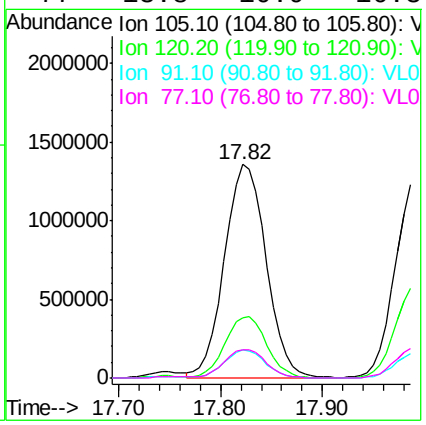


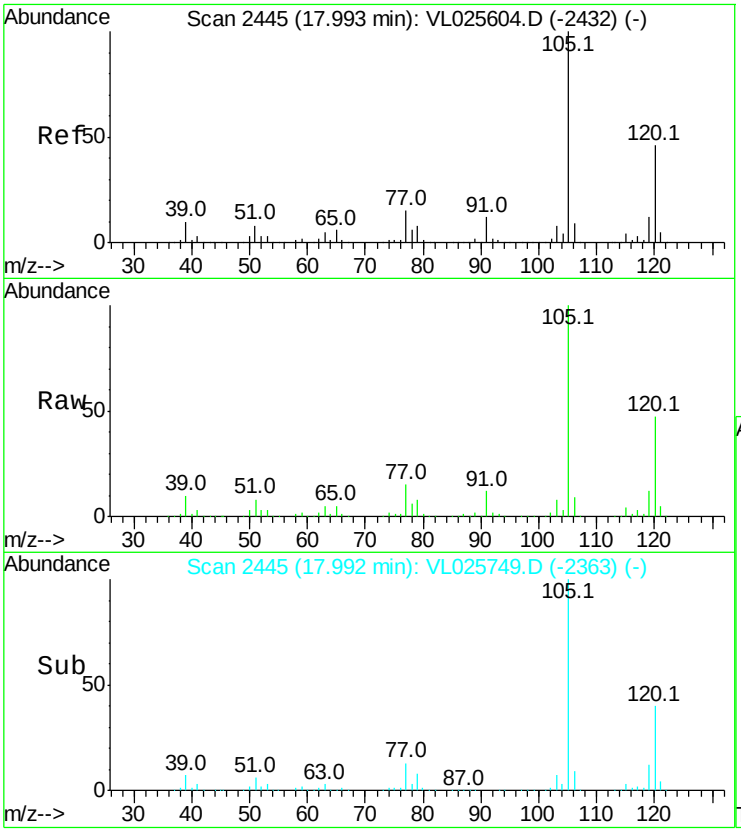


#72
4-Ethyltoluene
Concen: 7.81 ppbv
RT: 17.82 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:105 Resp: 3853693

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.9	35.9
91	13.5	10.3	15.5
77	13.8	10.9	16.3



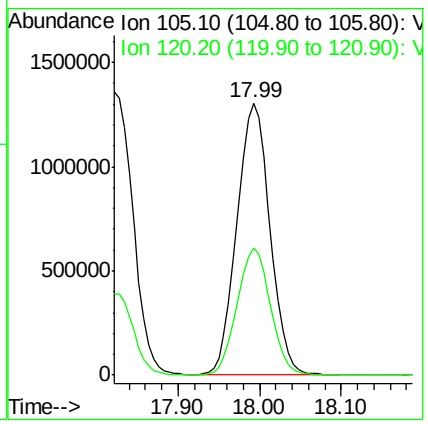


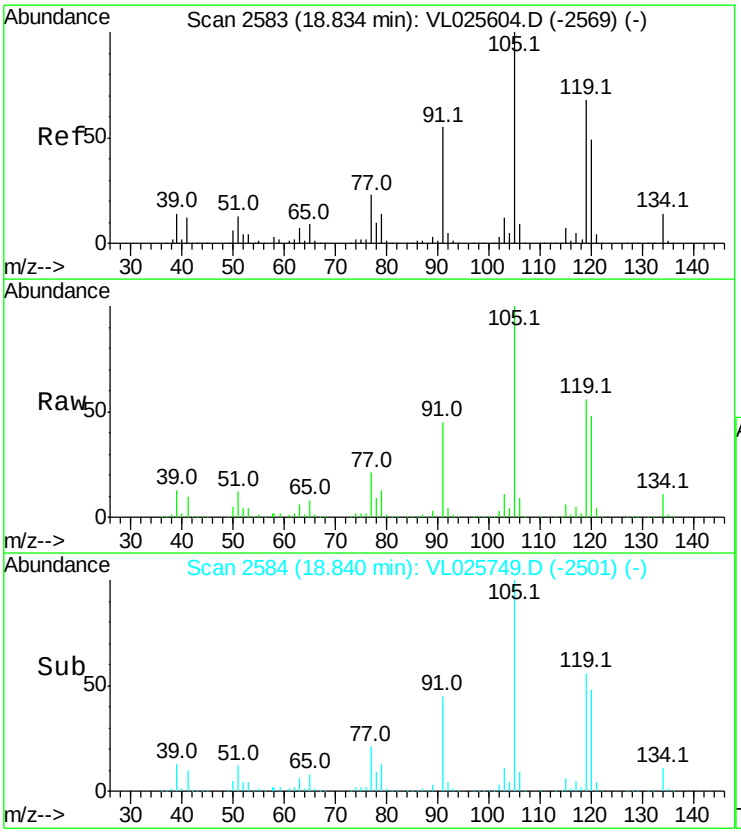
#73
1,3,5-Trimethylbenzene
Concen: 7.56 ppbv
RT: 17.99 min Scan# 2445
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3666519

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.0	55.4

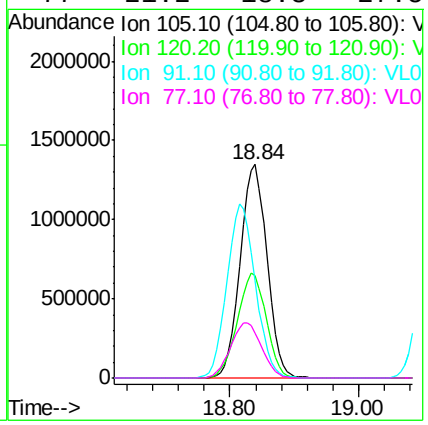


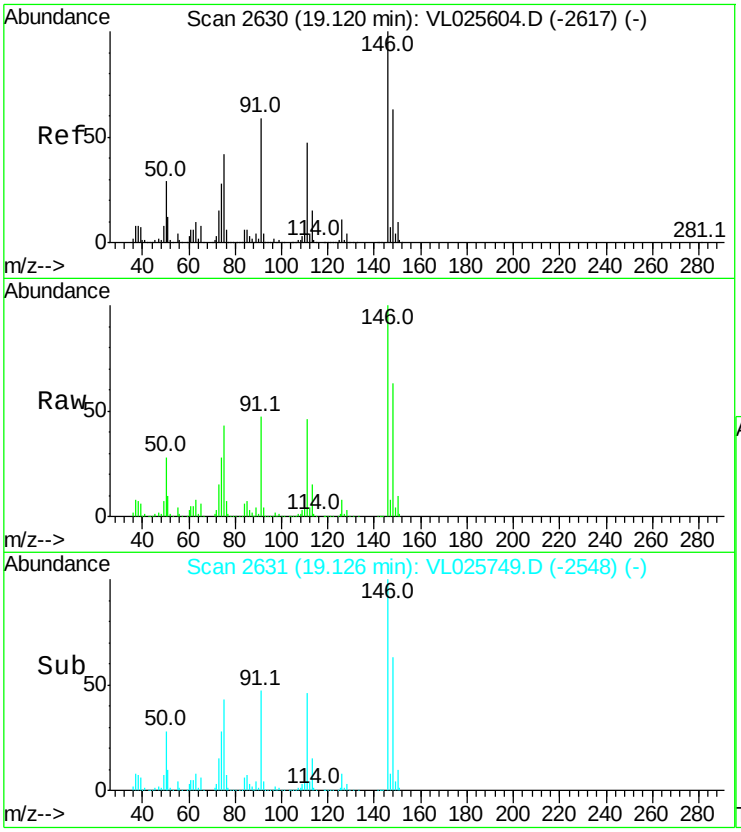


#74
1,2,4-Trimethylbenzene
Concen: 7.10 ppbv
RT: 18.84 min Scan# 2584
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:105 Resp: 3858035

Ion	Ratio	Lower	Upper
105	100		
120	47.8	39.3	58.9
91	45.3	43.8	65.6
77	21.2	18.3	27.5



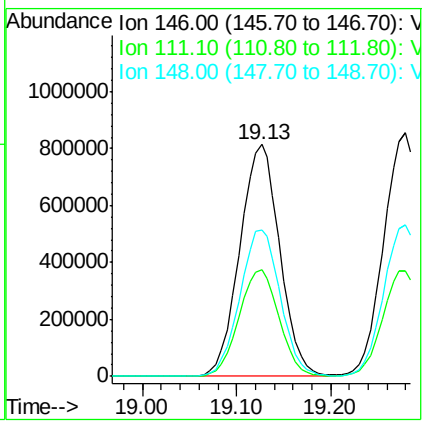


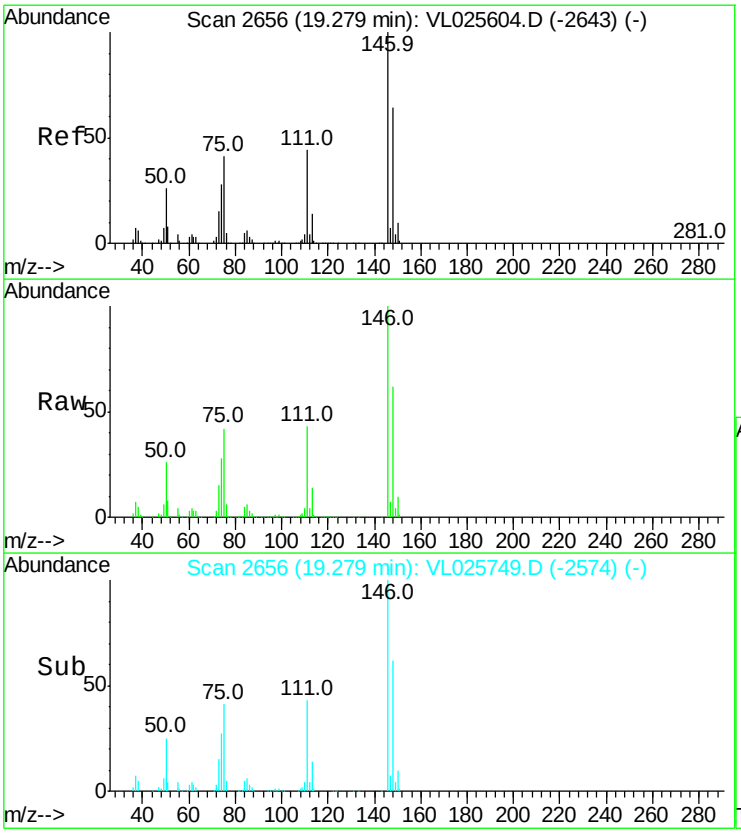
#75
1,3-Dichlorobenzene
Concen: 6.85 ppbv
RT: 19.13 min Scan# 2631
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2421997

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.7	68.1
148	64.0	31.8	95.3

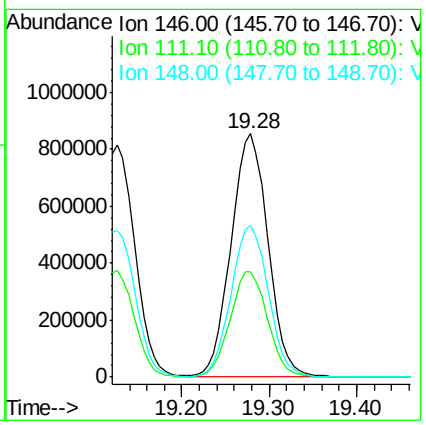


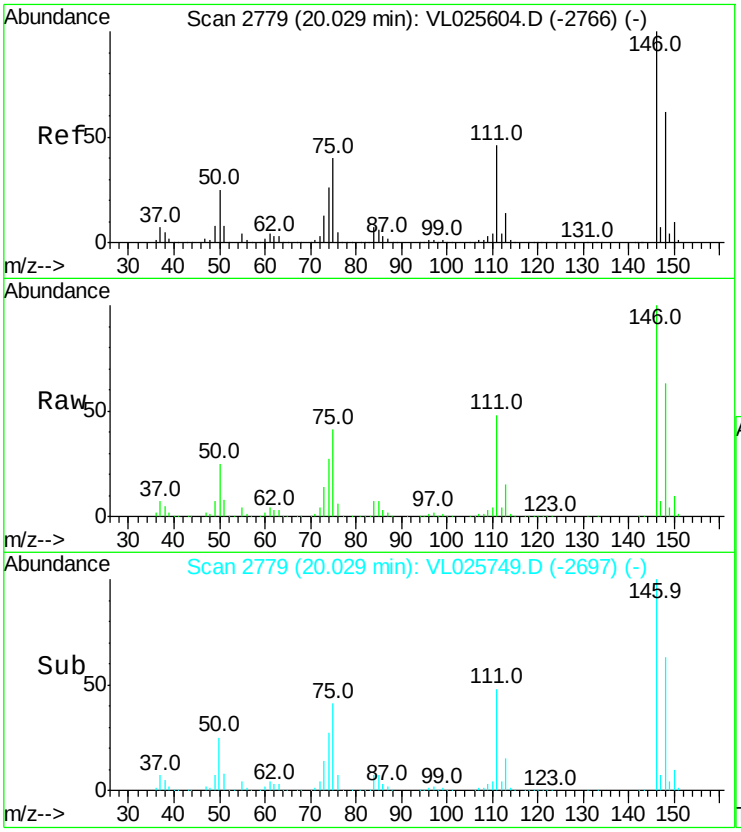


#76
1,4-Dichlorobenzene
Concen: 7.08 ppbv
RT: 19.28 min Scan# 2656
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:146 Resp: 2507888

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.1
148	63.4	31.9	95.9



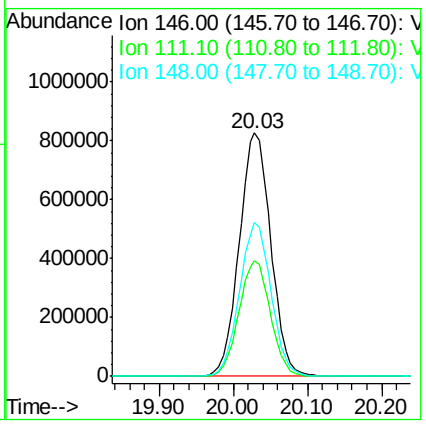


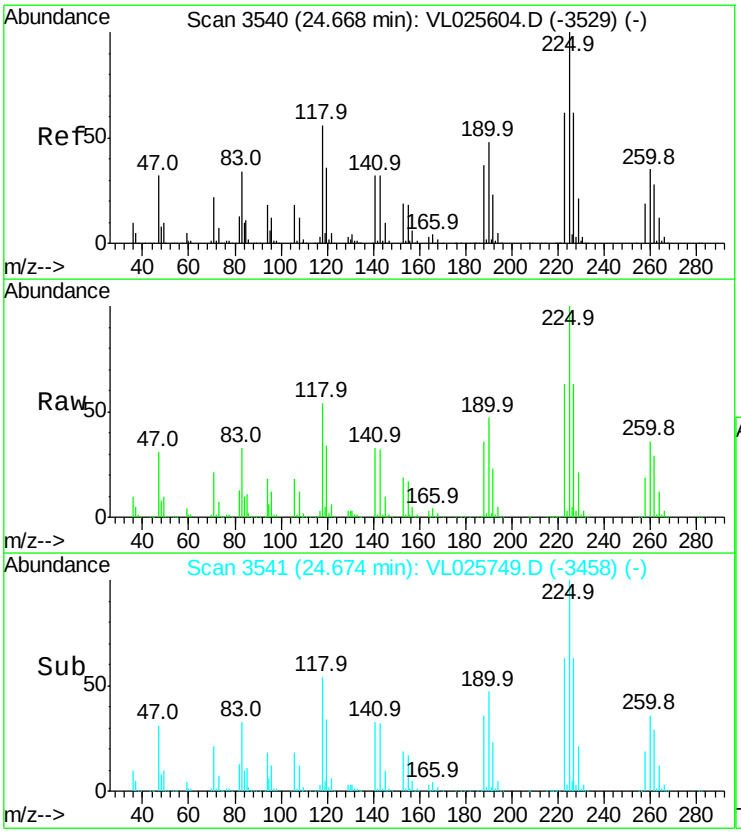
#77
1,2-Dichlorobenzene
Concen: 7.03 ppbv
RT: 20.03 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2466625

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.3
148	63.3	31.6	94.8

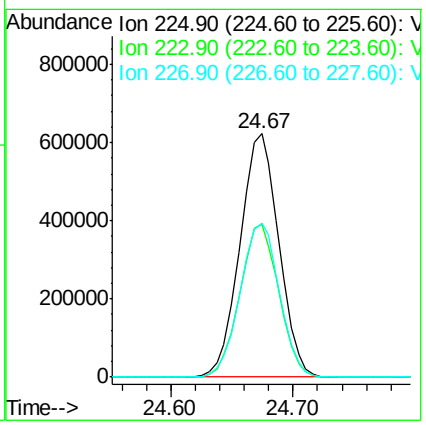


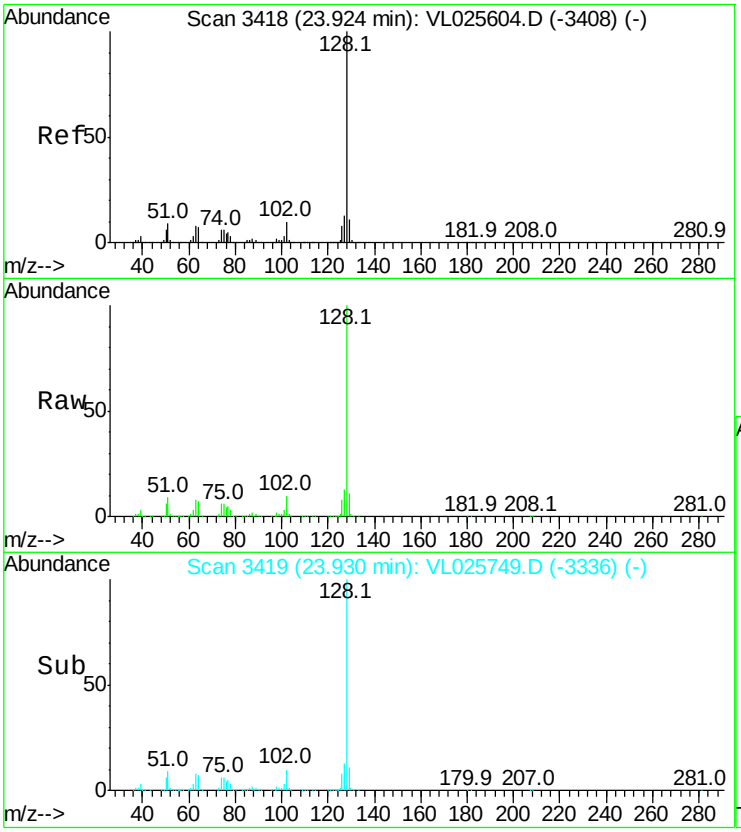


#78
Hexachloro-1,3-Butadiene
Concen: 6.37 ppbv
RT: 24.67 min Scan# 3541
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:225 Resp: 1374569

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.1	50.5	75.7



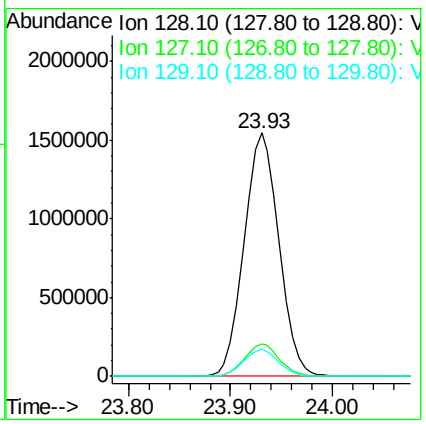


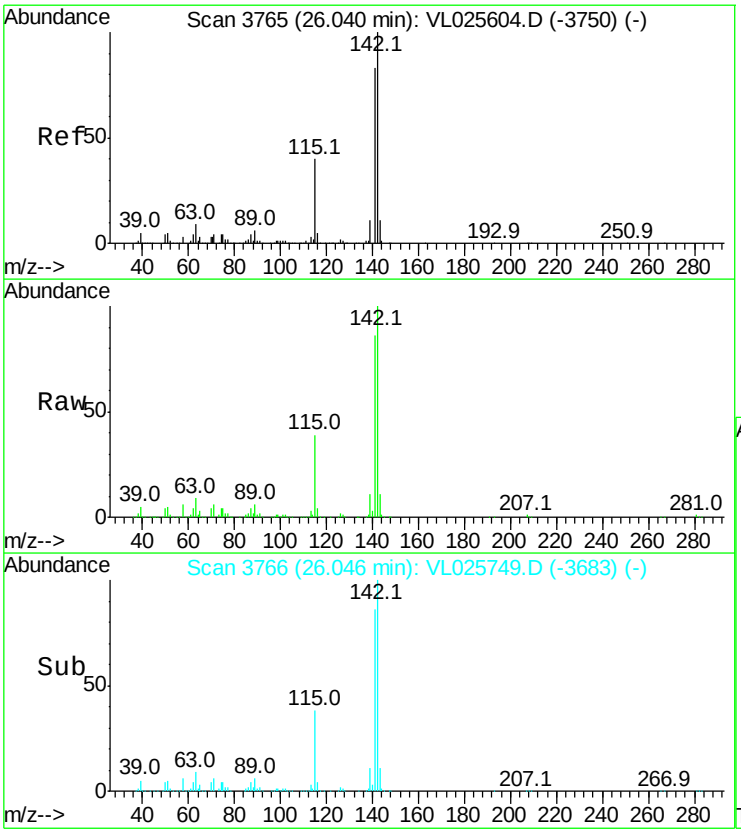
#79
Naphthalene
Concen: 6.99 ppbv
RT: 23.93 min Scan# 3419
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3670665

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.2	9.0	13.4

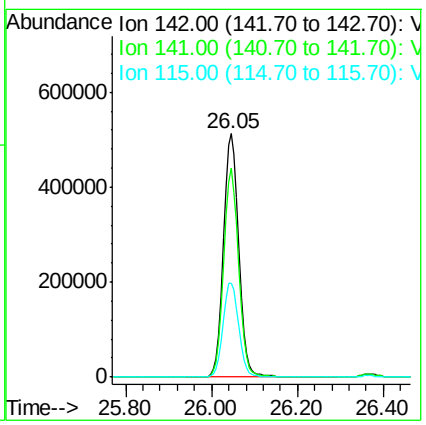


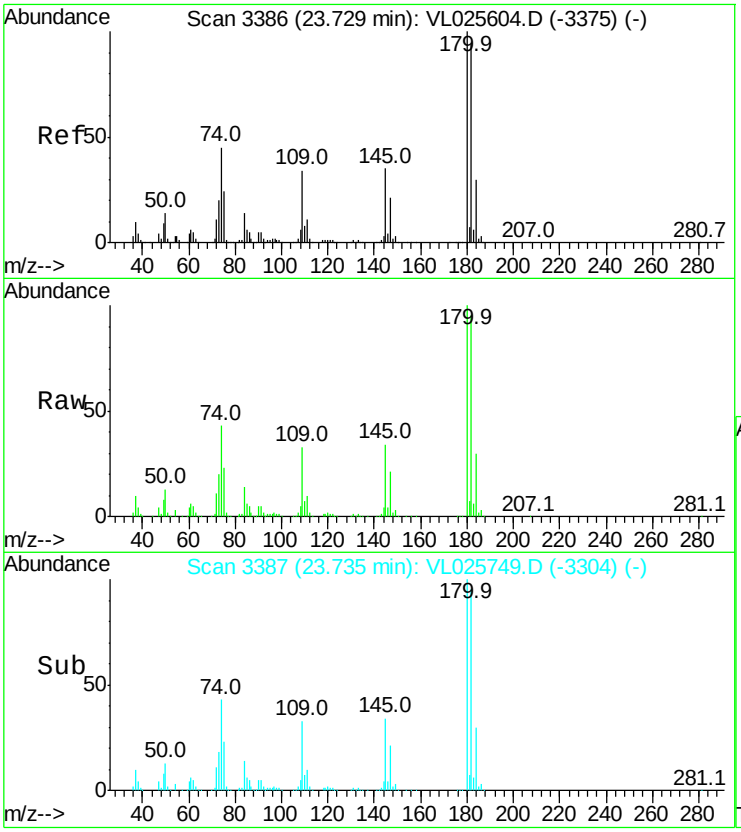


#80
Naphthalene,2-methyl-
Concen: 8.52 ppbv
RT: 26.05 min Scan# 3766
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Tgt Ion:142 Resp: 1299974

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.1	100.7
115	40.0	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 6.83 ppbv
RT: 23.74 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL025749.D
Acq: 27 Jul 2015 11:11

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1718044

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.3	24.4	36.6