Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026666.D
Acq On : 9 Jan 2016 8:19
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 12 02:05:42 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	677589	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2138247	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	3536289	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2369185	8.40	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.63	85	2094278	11.63	ppbv	100
3) Chlorodifluoromethane	3.56	51	902087	10.00	ppbv	94
4) Chloromethane	3.74	50	401651	9.10	ppbv	99
5) Vinyl Chloride	3.87	62	488613	9.14	ppbv	98
6) Bromomethane	4.13	94	390523	10.26	ppbv	92
7) Chloroethane	4.23	64	216449	10.02	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	1510881	10.67	ppbv	99
9) Propene	3.58	41	278660	8.59	ppbv	99
10) Heptane	9.34	43	1149815	9.51	ppbv	96
11) Trichlorofluoromethane	4.68	101	2205215	11.81	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1273375	11.10	ppbv	99
13) Ethanol	4.31	45	53323	8.65	ppbv	98
14) Bromoethene	4.44	108	442325	10.70	ppbv	98
15) Acetone	4.59	43	1049486	9.42	ppbv	97
16) 1,3-Butadiene	3.96	39	429973	9.66	ppbv	97
17) tert-Butyl alcohol	5.11	59	908332	10.81	ppbv	100
18) 1,1-Dichloroethene	5.07	96	518543	10.84	ppbv	100
19) Isopropyl Alcohol	4.73	45	456806	9.94	ppbv	100
20) Methylene Chloride	5.14	84	466934	10.21	ppbv	98
21) Allyl Chloride	5.21	41	678919	9.93	ppbv	86
22) trans-1,2-Dichloroethene	5.75	96	573081	10.49	ppbv	98
23) Vinyl Acetate	5.97	43	1754317	10.25	ppbv	100
24) 1,1-Dichloroethane	5.90	63	1242373	10.07	ppbv	99
25) Ethyl Acetate	6.65	43	1696015	9.86	ppbv	99
26) Hexane	6.64	57	856499	9.63	ppbv	97
27) Carbon Disulfide	5.37	76	1468871	11.11	ppbv	96
28) Methyl tert-Butyl Ether	5.94	73	1894720	10.71	ppbv	97
29) Chloroform	6.73	83	1773296	10.98	ppbv	99
30) Cyclohexane	8.26	84	924450	10.53	ppbv	94
31) cis-1,2-Dichloroethene	6.50	61	947080	10.56	ppbv	98
32) 1,1,1-Trichloroethane	7.58	97	1975827	10.84	ppbv	99
34) 2-Butanone	6.18	43	991817	8.70	ppbv	97
35) Carbon Tetrachloride	8.15	117	2018378	10.73	ppbv	98
36) Benzene	8.01	78	2055355	9.34	ppbv	97
37) 1,2-Dichloroethane	7.36	62	1618256	10.75	ppbv	98
38) Trichloroethene	9.05	130	858438	8.74	ppbv	98
39) 1,2-Dichloropropane	8.81	63	694638	9.13	ppbv	92
40) 1,4-Dioxane	9.09	88	187608	10.73	ppbv	61
41) Tetrahydrofuran	7.10	42	518699	9.19	ppbv	95
42) Bromodichloromethane	9.01	83	2088557	10.75	ppbv	99
43) Methyl Methacrylate	9.24	69	831595	10.35	ppbv	96

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026666.D
Acq On : 9 Jan 2016 8:19
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 12 02:05:42 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	3175566	8.94	ppbv		97
45) t-1,3-Dichloropropene	10.63	75	1518808	11.67	ppbv		97
46) cis-1,3-Dichloropropene	10.00	75	1607290	10.86	ppbv		99
47) 1,1,2-Trichloroethane	10.86	97	1078069	9.94	ppbv		97
48) Dibromochloromethane	11.78	129	1844528	11.34	ppbv		100
49) Bromoform	14.79	173	1557010	11.73	ppbv		100
50) 4-Methyl-2-Pentanone	10.07	43	1536686	9.59	ppbv		99
51) 2-Hexanone	11.60	43	1550636	10.50	ppbv	#	100
52) Tetrachloroethene	12.77	164	1020357	9.28	ppbv		98
53) Toluene	11.22	91	3195219	10.30	ppbv		99
54) 1,2-Dibromoethane	12.12	107	1777580	10.36	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.77	131	1361990	8.37	ppbv		96
57) Chlorobenzene	13.79	112	2767381	7.60	ppbv		98
58) Ethyl Benzene	14.39	91	5248709	8.31	ppbv		99
59) m/p-Xylene	14.69	91	8277355	15.90	ppbv		99
60) o-Xylene	15.47	91	4314419	7.67	ppbv		100
61) Styrene	15.29	104	2020404	9.19	ppbv		100
62) Isopropylbenzene	16.52	105	6025714	8.09	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.46	83	2700935	6.44	ppbv		100
64) n-propylbenzene	17.50	120	1616794	8.09	ppbv		100
65) tert-Butylbenzene	18.78	119	5130890	7.52	ppbv		100
66) Benzyl Chloride	19.08	91	2327903	9.55	ppbv		100
67) sec-Butylbenzene	19.39	105	8107201	8.01	ppbv		100
69) p-Isopropyltoluene	19.77	119	6360868	8.21	ppbv		99
70) n-Butylbenzene	20.74	91	6739964	8.36	ppbv		99
71) 2-Chlorotoluene	17.41	91	4896635	8.44	ppbv		99
72) 4-Ethyltoluene	17.80	105	5351282	8.51	ppbv		99
73) 1,3,5-Trimethylbenzene	17.97	105	4948078	8.30	ppbv		99
74) 1,2,4-Trimethylbenzene	18.82	105	4791857	7.57	ppbv		99
75) 1,3-Dichlorobenzene	19.10	146	3074076	7.86	ppbv		100
76) 1,4-Dichlorobenzene	19.25	146	3189357	7.95	ppbv		100
77) 1,2-Dichlorobenzene	20.00	146	3214836	8.10	ppbv		99
78) Hexachloro-1,3-Butadiene	24.65	225	1159479	7.16	ppbv		99
79) Naphthalene	23.91	128	3618818	8.47	ppbv		99
80) Naphthalene,2-methyl-	26.02	142	816268	12.31	ppbv		99
81) 1,2,4-Trichlorobenzene	23.71	180	1583328	8.14	ppbv		99

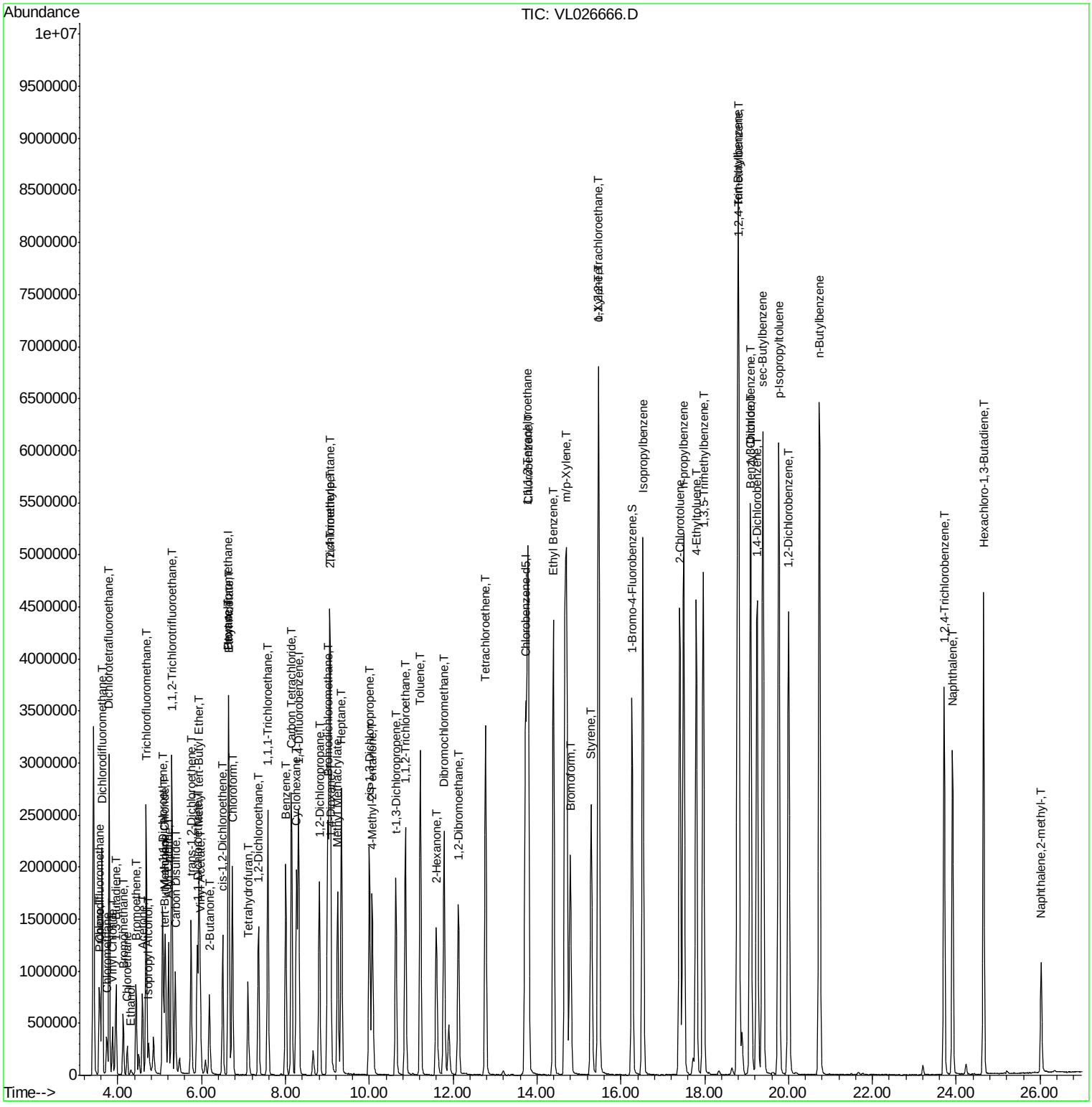
(#) = qualifier out of range (m) = manual integration (+) = signals summed

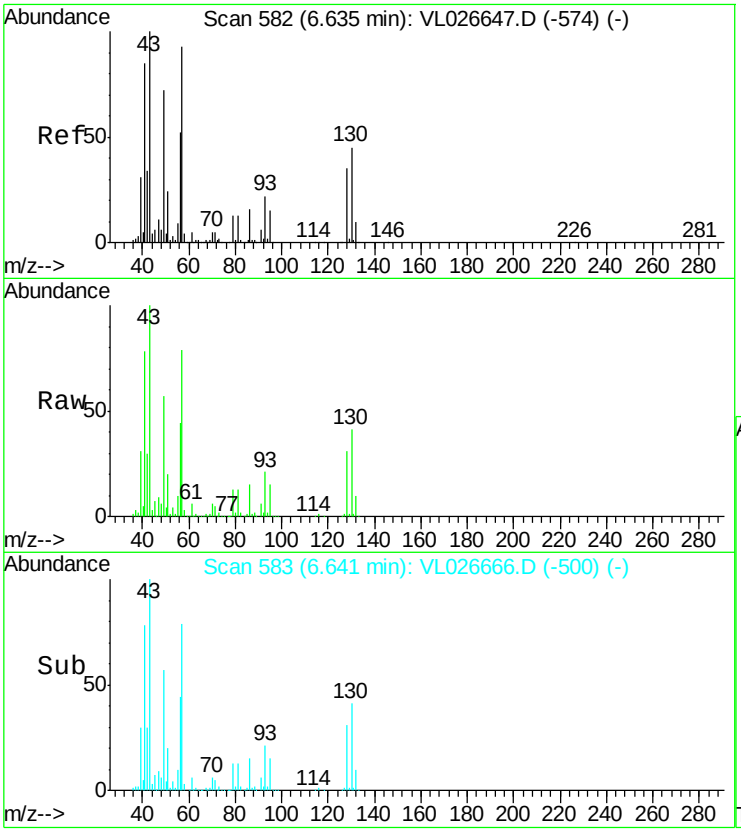
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026666.D
Acq On : 9 Jan 2016 8:19
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Jan 12 02:05:42 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 11 17:14:02 2016
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration



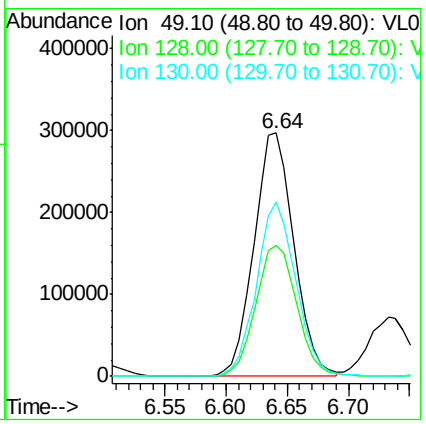


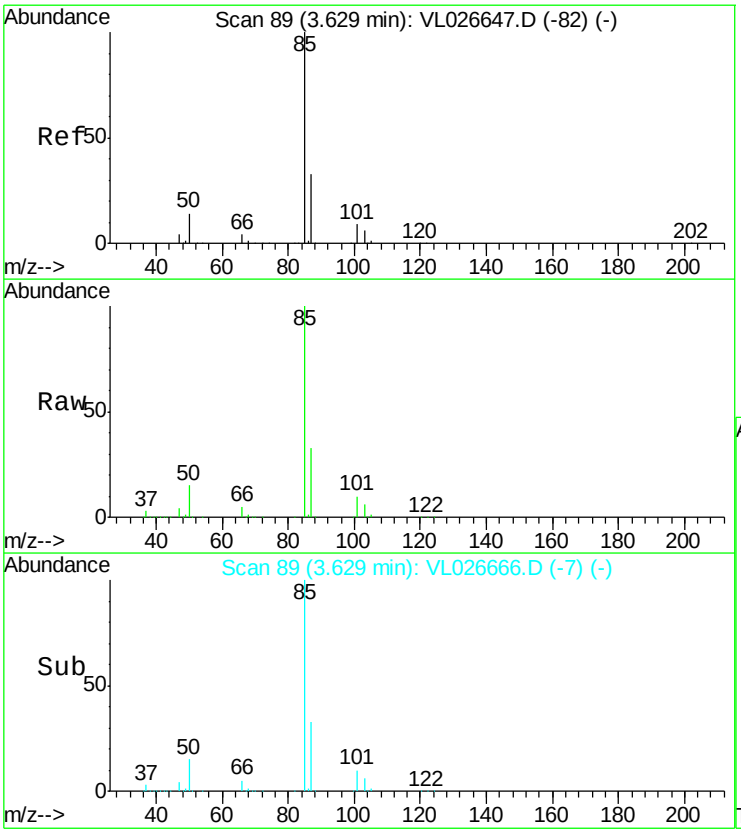
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 677589

Ion	Ratio	Lower	Upper
49	100		
128	55.6	25.9	77.7
130	71.1	33.6	100.8

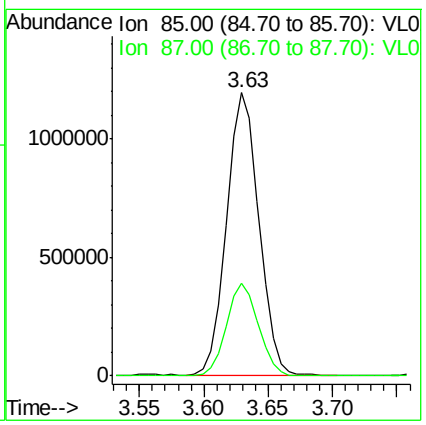


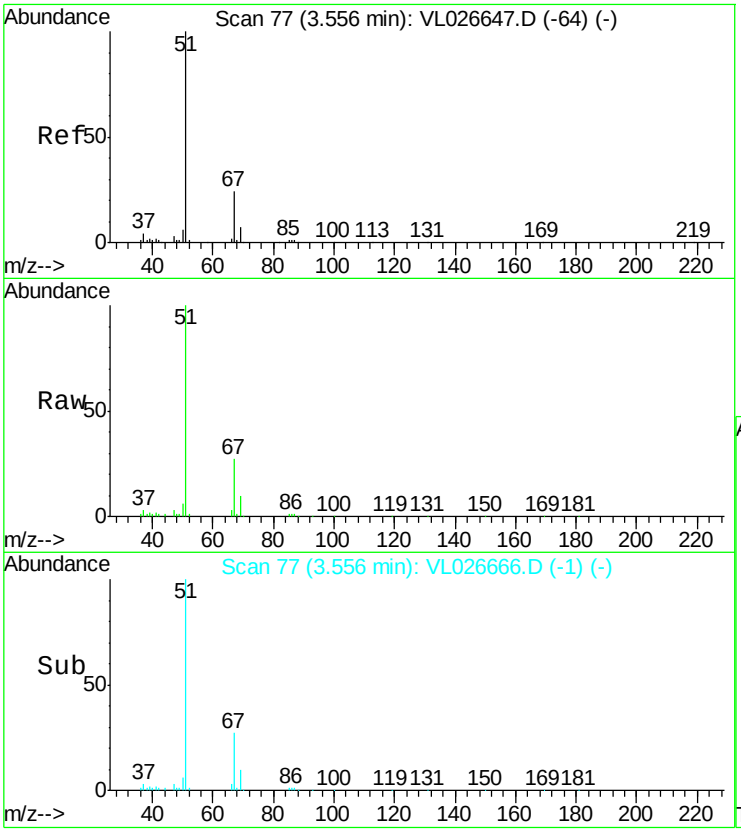


#2
Dichlorodifluoromethane
Concen: 11.63 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 85 Resp: 2094278

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.4	39.6



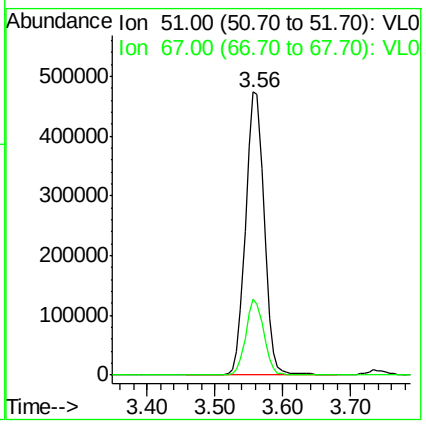


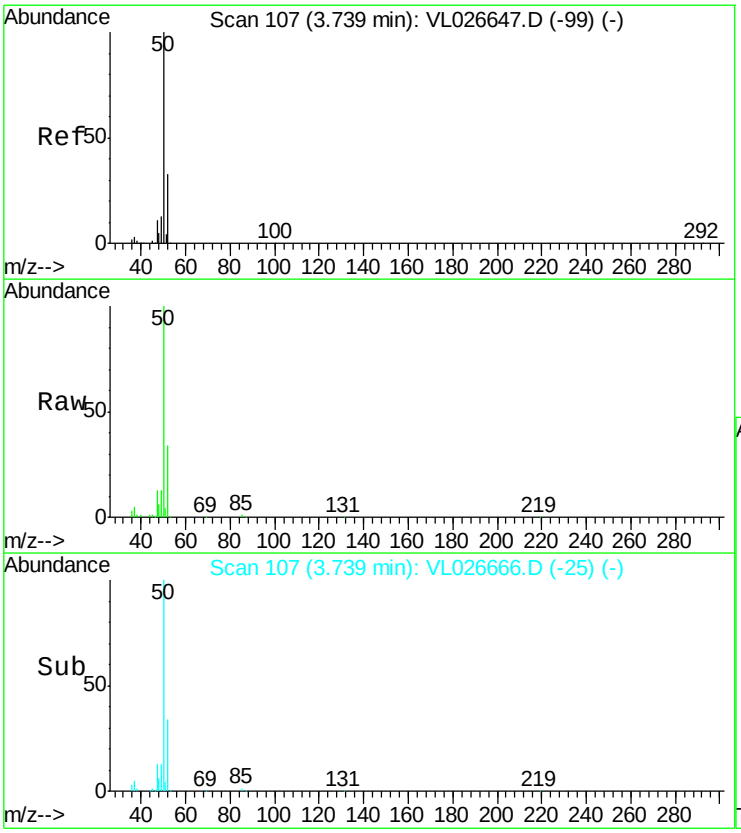
#3
Chlorodifluoromethane
Concen: 10.00 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 902087

Ion	Ratio	Lower	Upper
51	100		
67	26.1	18.6	28.0

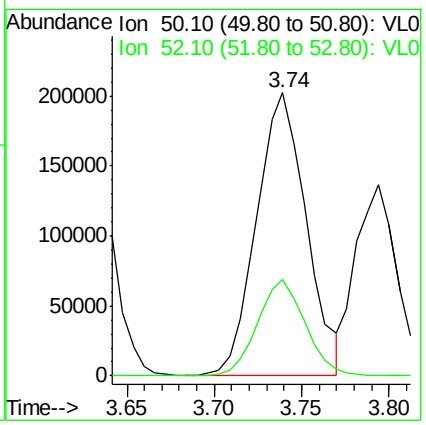


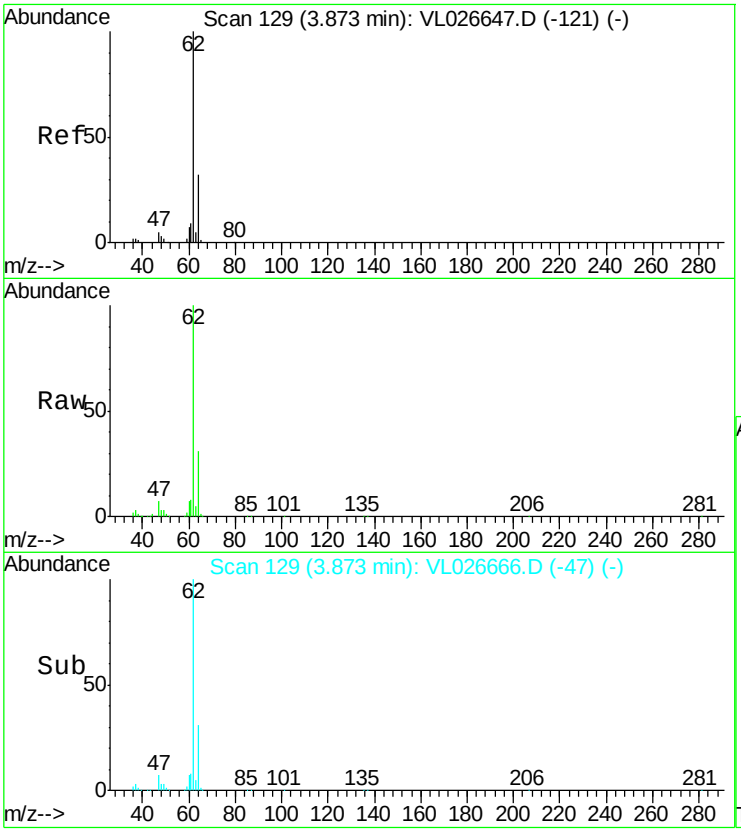


#4
Chloromethane
Concen: 9.10 ppbv
RT: 3.74 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 50 Resp: 401651

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.7	40.1



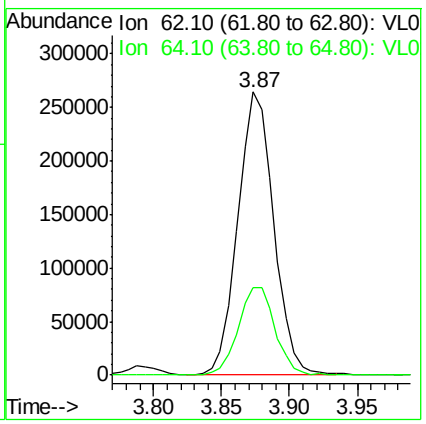


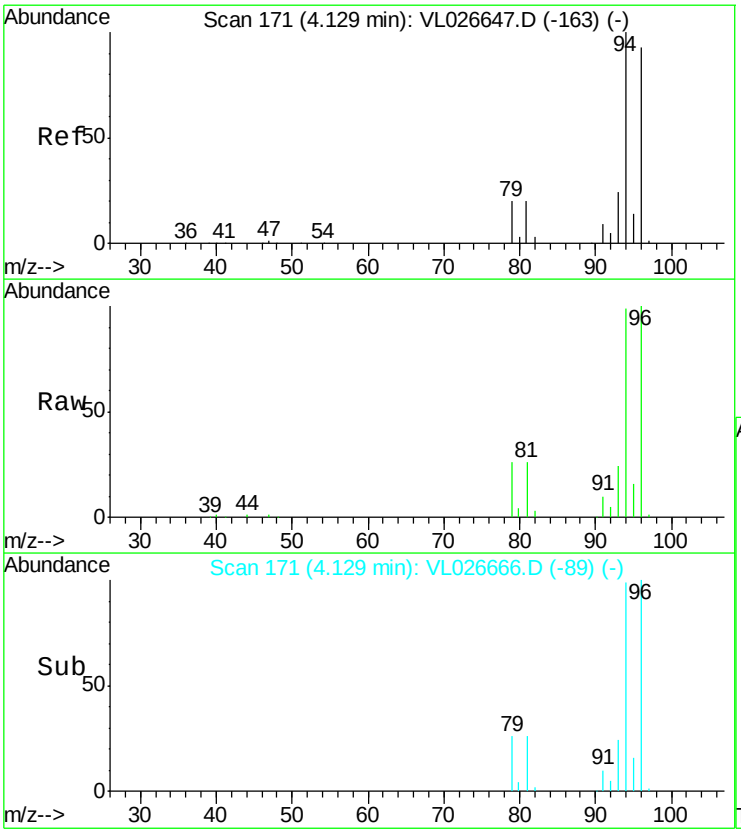
#5
Vinyl Chloride
Concen: 9.14 ppbv
RT: 3.87 min Scan# 129
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 488613

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.6	38.4

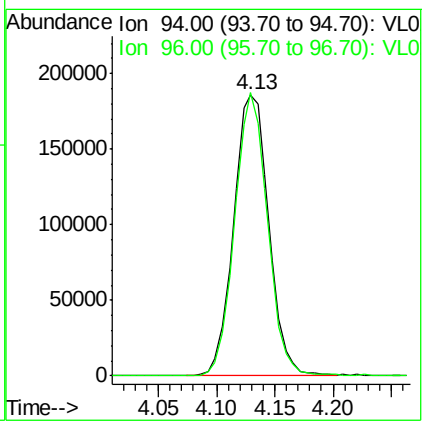


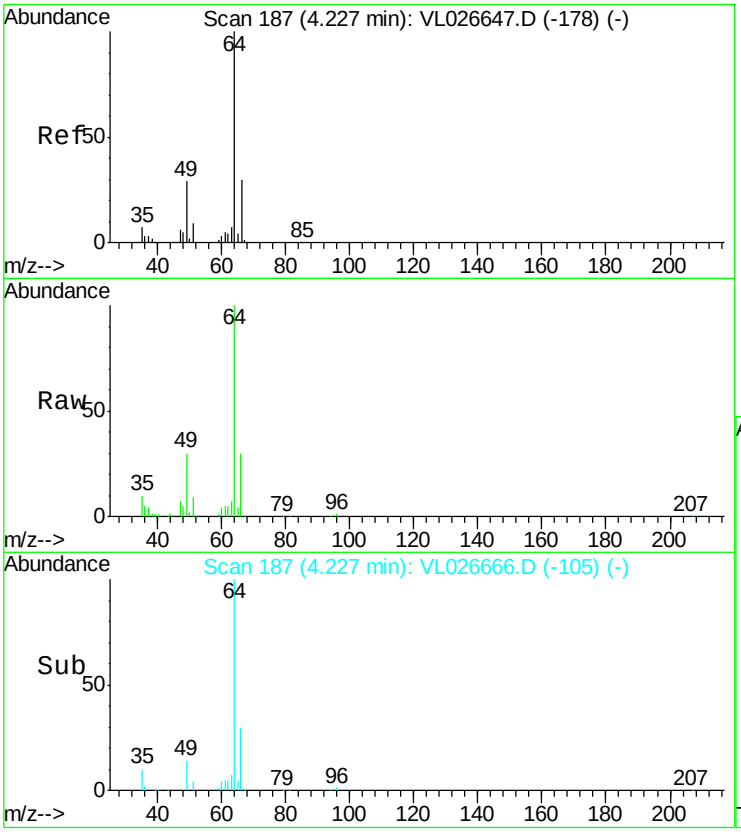


#6
Bromomethane
Concen: 10.26 ppbv
RT: 4.13 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 94 Resp: 390523

Ion	Ratio	Lower	Upper
94	100		
96	100.7	74.6	112.0



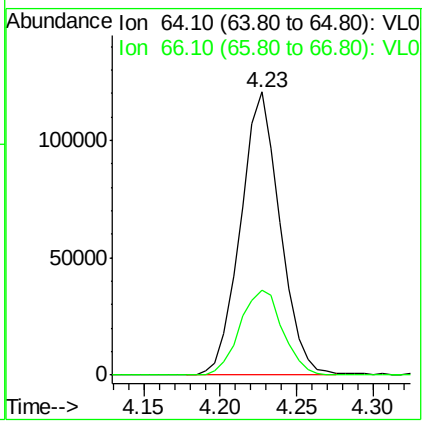


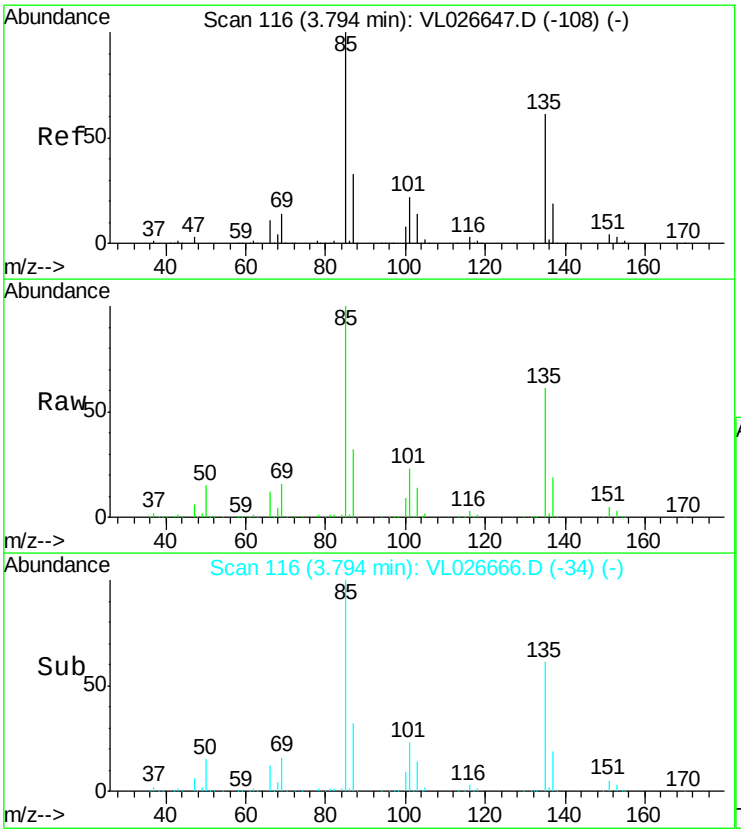
#7
Chloroethane
Concen: 10.02 ppbv
RT: 4.23 min Scan# 187
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 216449

Ion	Ratio	Lower	Upper
64	100		
66	29.9	24.3	36.5

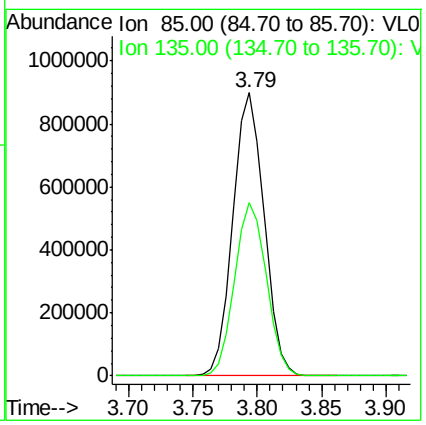


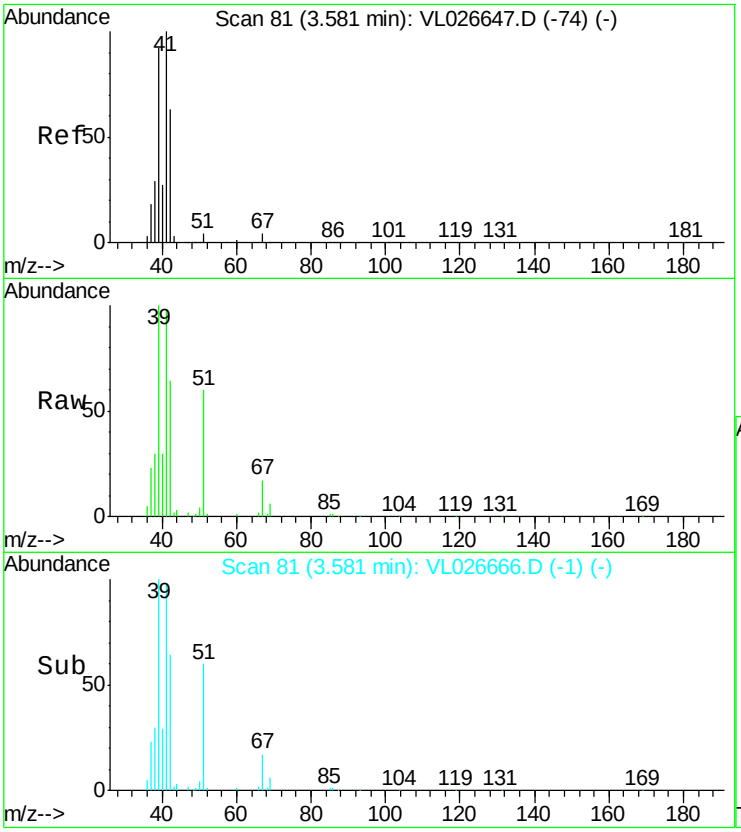


#8
Dichlorotetrafluoroethane
Concen: 10.67 ppbv
RT: 3.79 min Scan# 116
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 85 Resp: 1510881

Ion	Ratio	Lower	Upper
85	100		
135	62.6	49.8	74.6



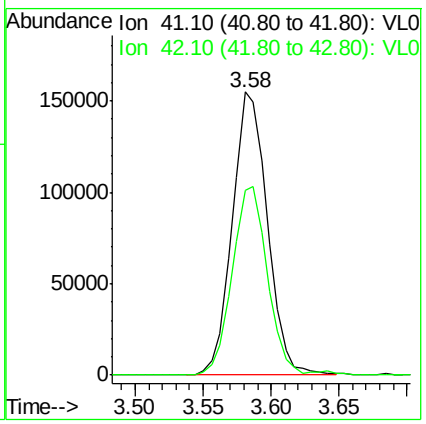


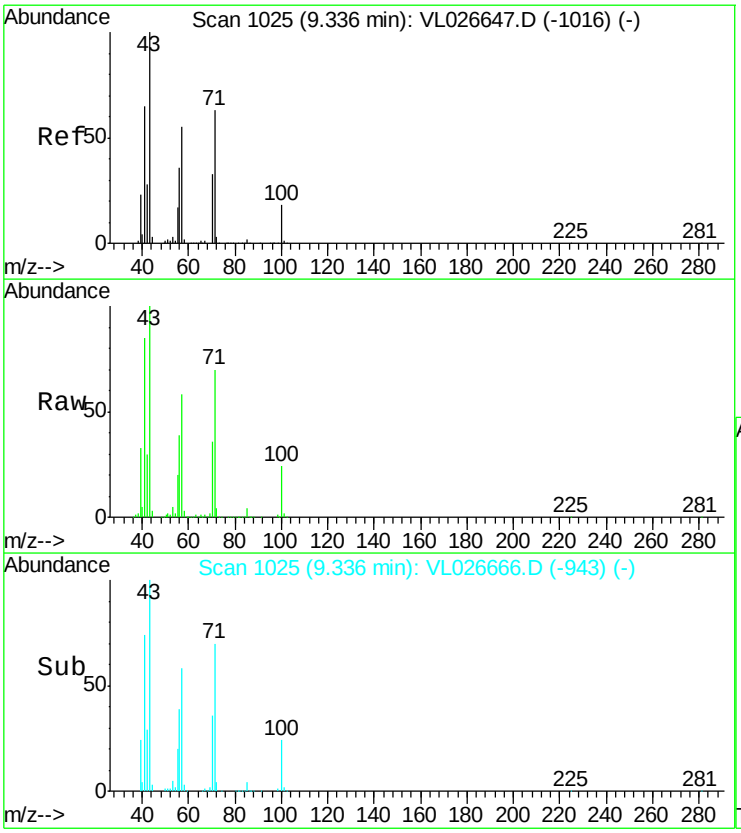
#9
Propene
Concen: 8.59 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 278660

Ion	Ratio	Lower	Upper
41	100		
42	67.6	53.6	80.4

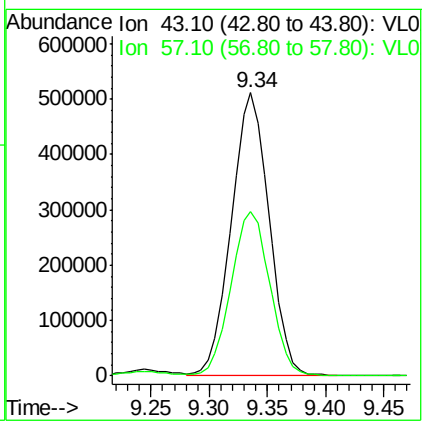


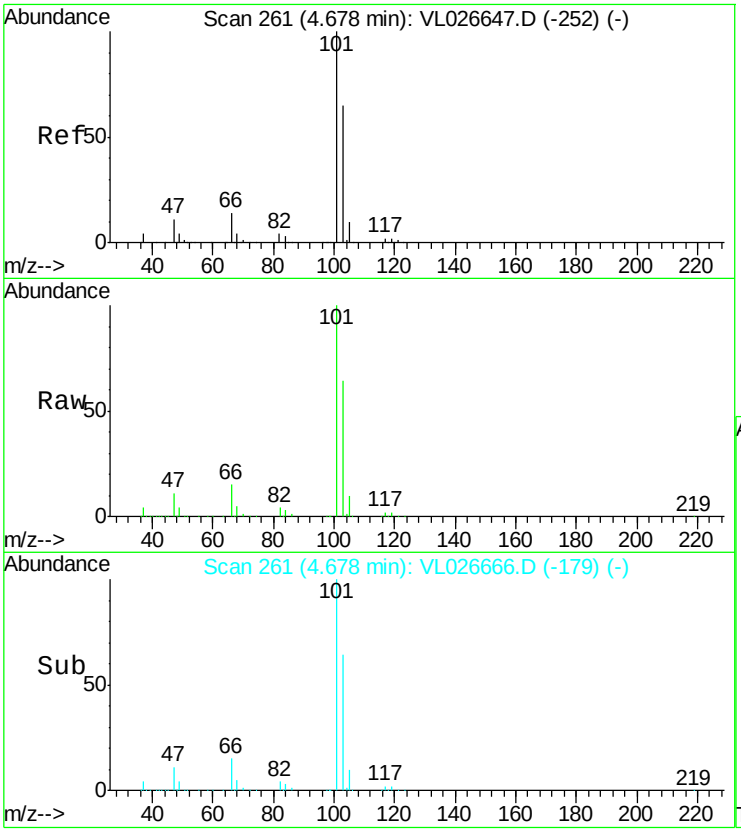


#10
Heptane
Concen: 9.51 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 43 Resp: 1149815

Ion	Ratio	Lower	Upper
43	100		
57	60.1	45.8	68.6



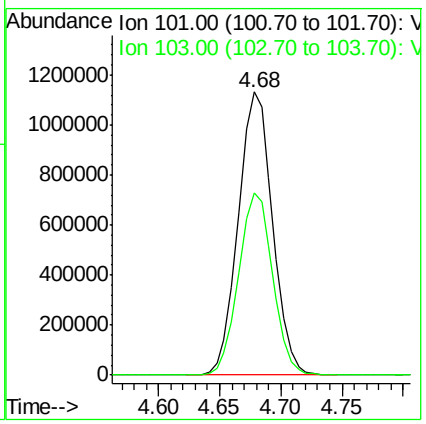


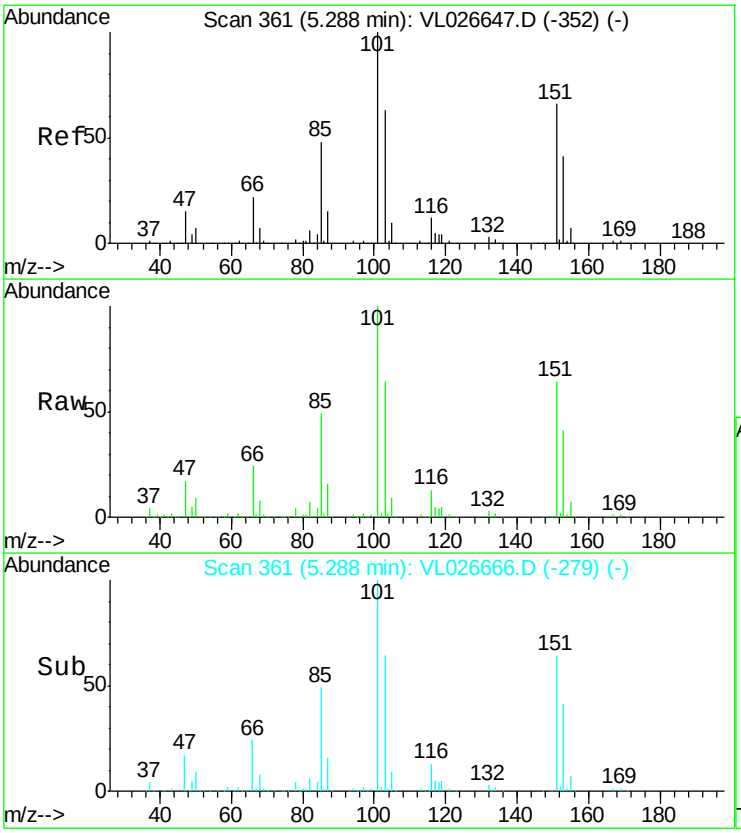
#11
Trichlorofluoromethane
Concen: 11.81 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 2205215

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

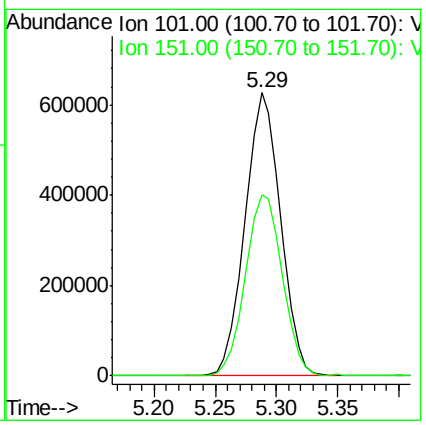


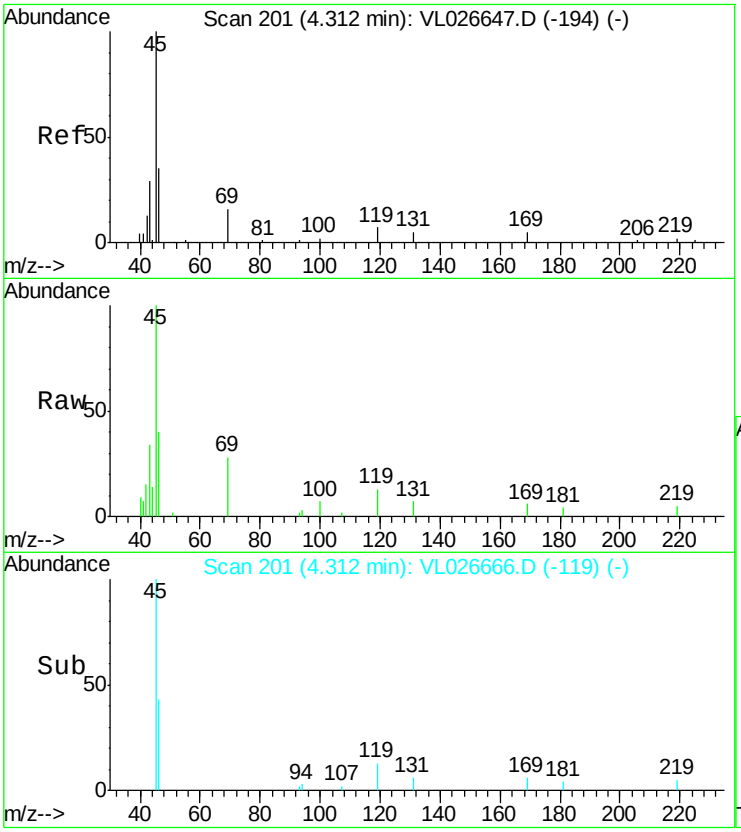


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.10 ppbv
RT: 5.29 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:101 Resp: 1273375

Ion	Ratio	Lower	Upper
101	100		
151	66.7	54.2	81.4



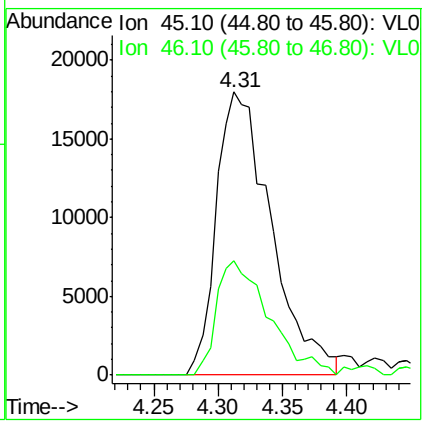


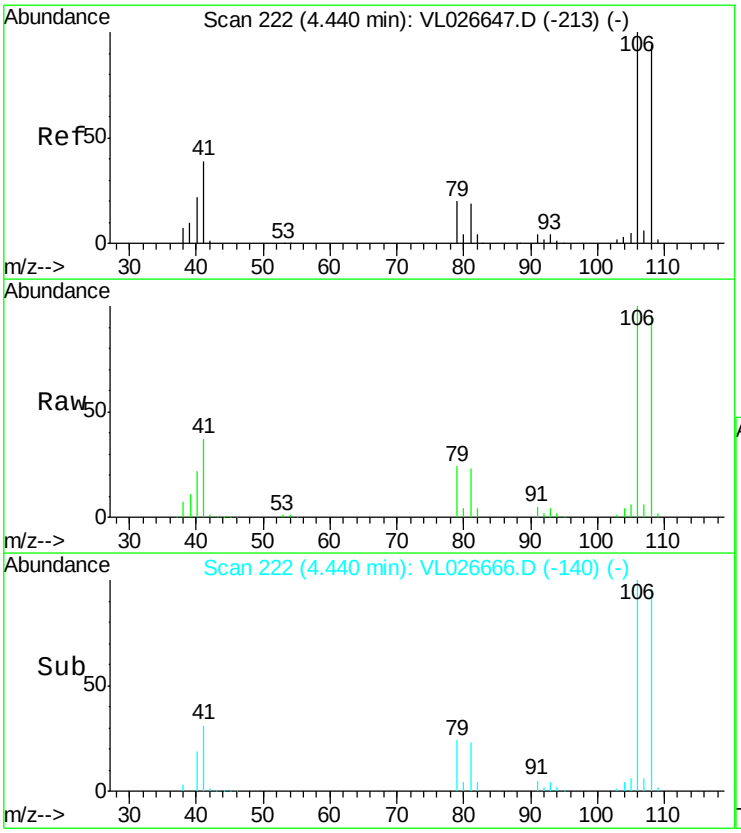
#13
Ethanol
Concen: 8.65 ppbv
RT: 4.31 min Scan# 201
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 53323

Ion	Ratio	Lower	Upper
45	100		
46	42.7	16.7	66.7

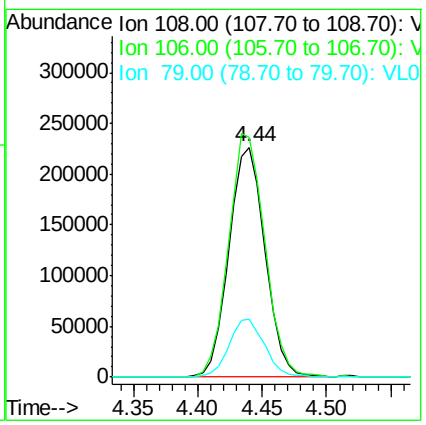


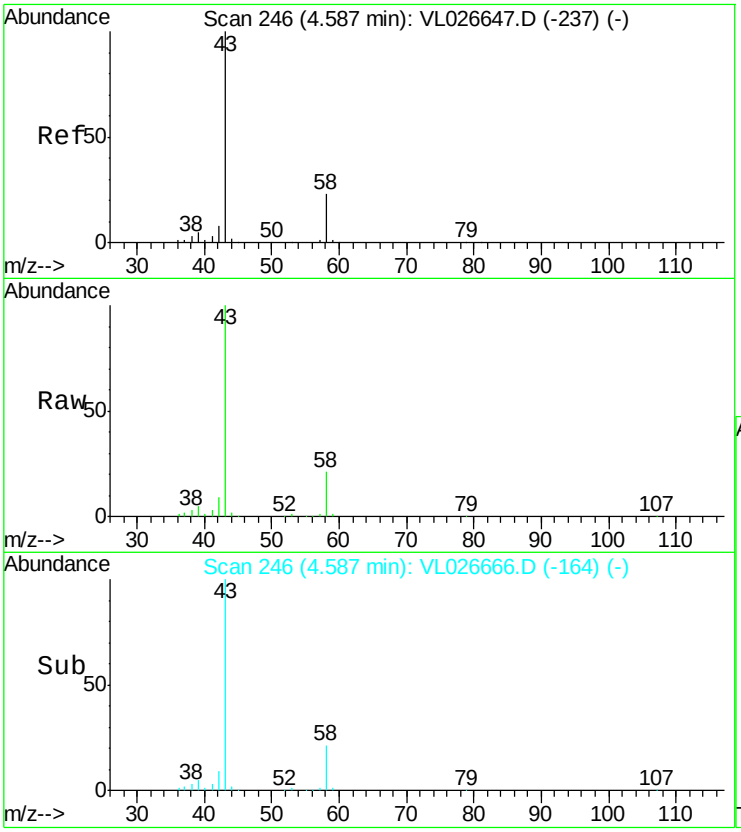


#14
Bromoethene
Concen: 10.70 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:108 Resp: 442325

Ion	Ratio	Lower	Upper
108	100		
106	106.9	86.4	129.6
79	25.1	17.2	25.8



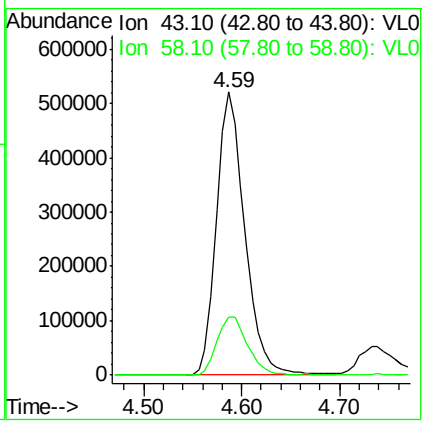


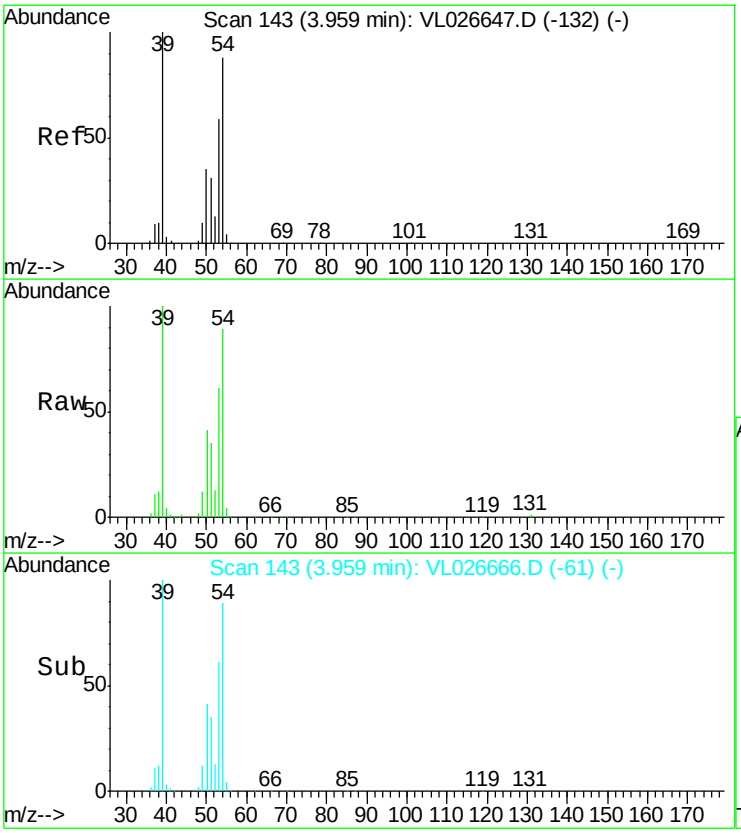
#15
Acetone
Concen: 9.42 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1049486

Ion	Ratio	Lower	Upper
43	100		
58	22.5	19.2	28.8

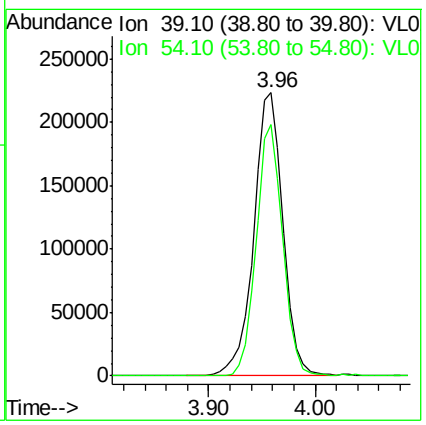


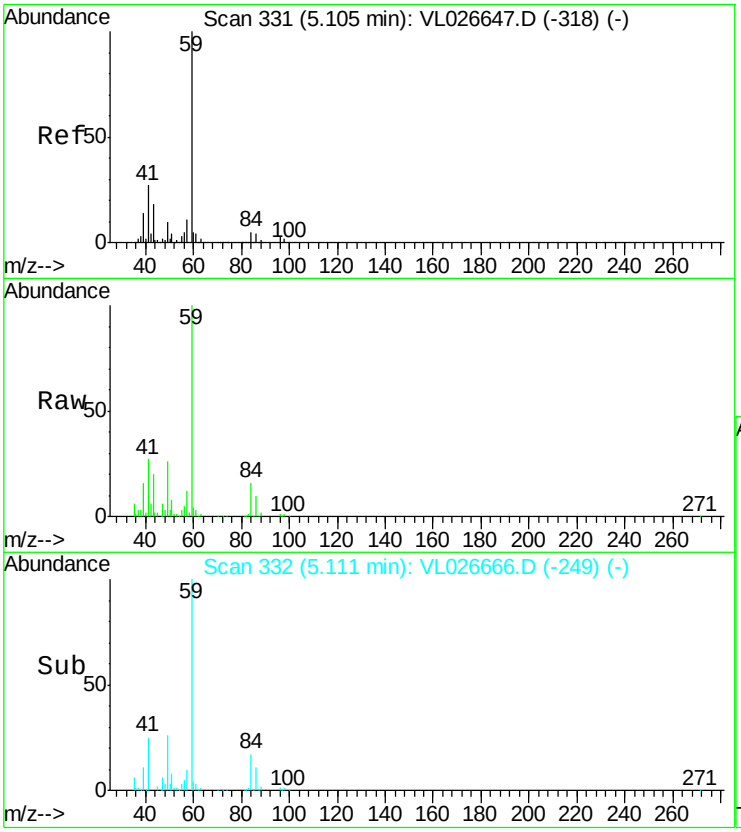


#16
1,3-Butadiene
Concen: 9.66 ppbv
RT: 3.96 min Scan# 143
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 39 Resp: 429973

Ion	Ratio	Lower	Upper
39	100		
54	80.7	66.6	100.0



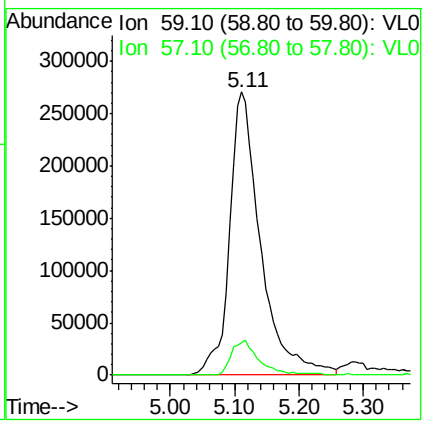


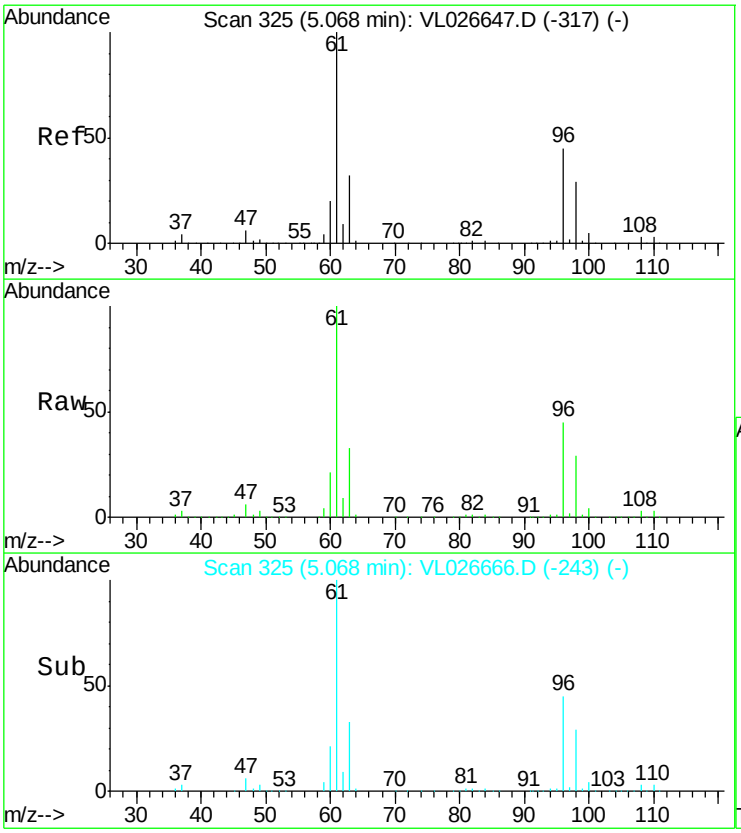
#17
tert-Butyl alcohol
Concen: 10.81 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 908332

Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.6

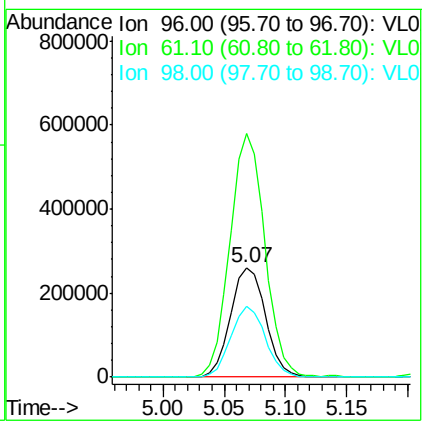


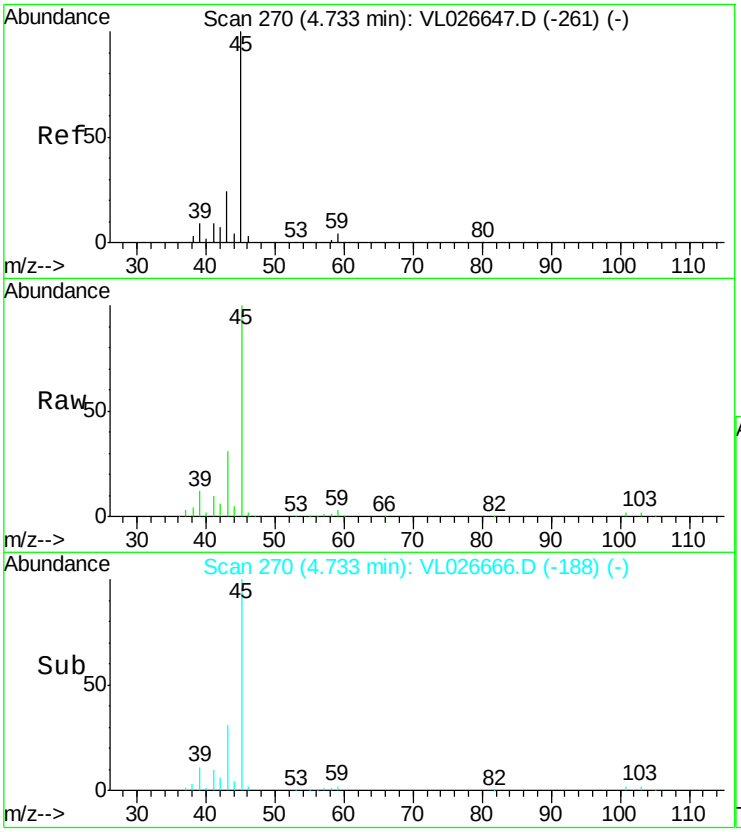


#18
1,1-Dichloroethene
Concen: 10.84 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 96 Resp: 518543

Ion	Ratio	Lower	Upper
96	100		
61	221.8	176.7	265.1
98	64.6	51.8	77.6



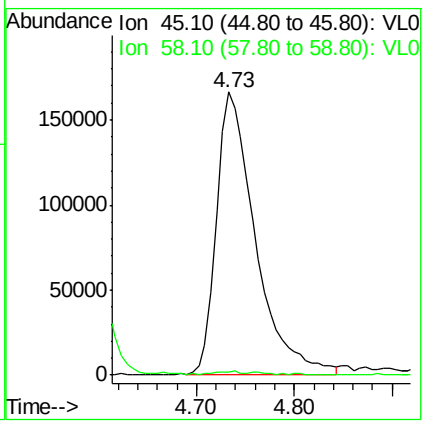


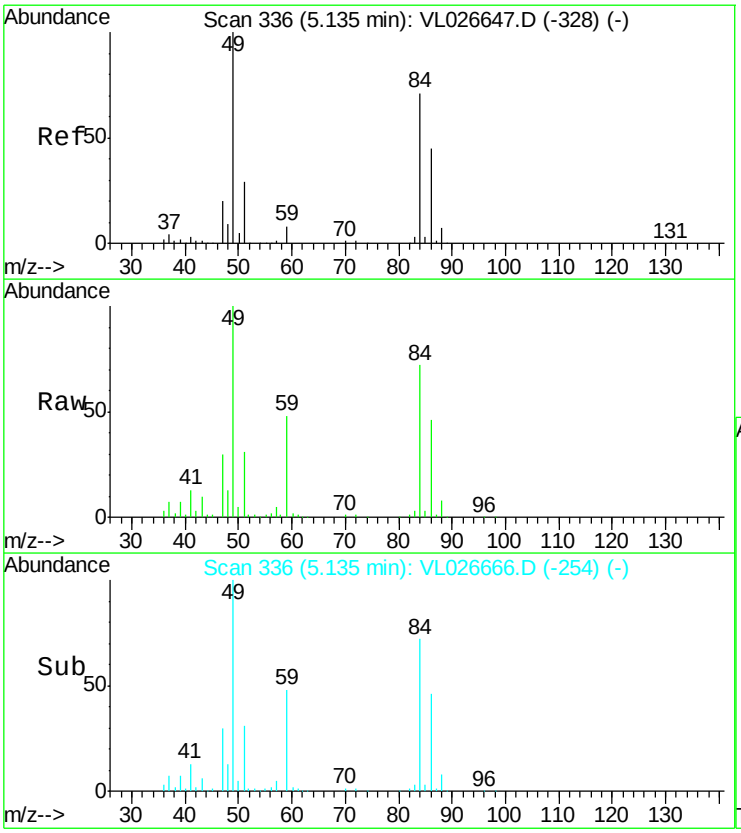
#19
Isopropyl Alcohol
Concen: 9.94 ppbv
RT: 4.73 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 456806

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.3	1.9

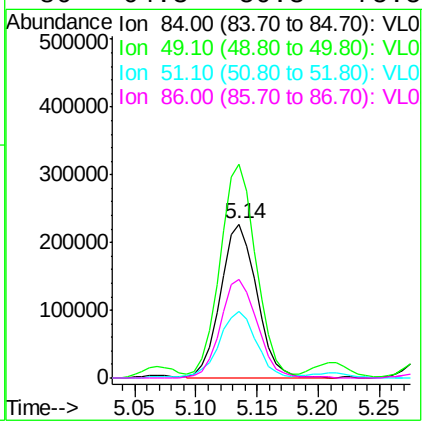


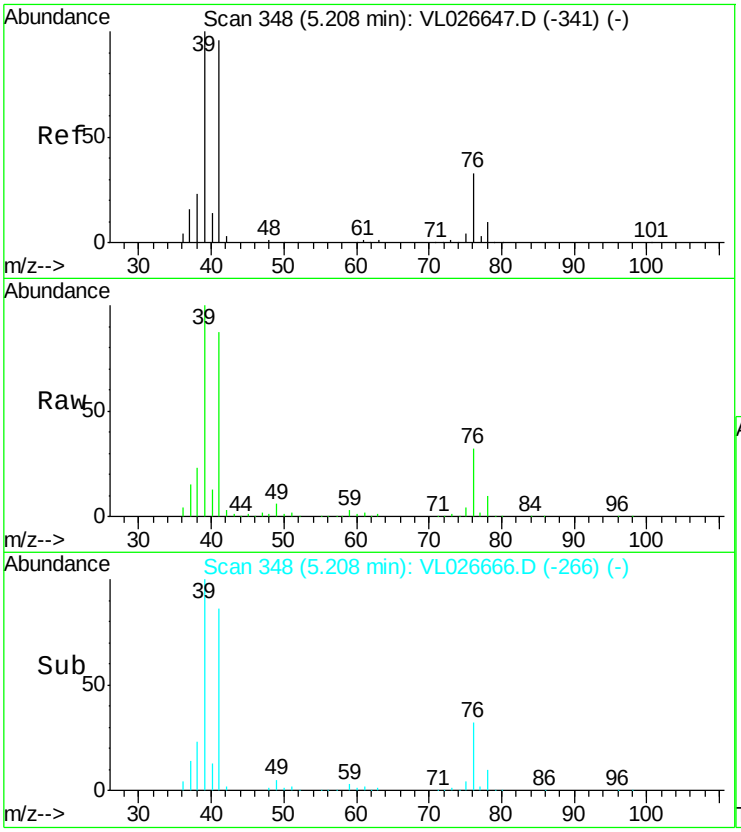


#20
Methylene Chloride
Concen: 10.21 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 84 Resp: 466934

Ion	Ratio	Lower	Upper
84	100		
49	136.9	112.3	168.5
51	41.9	32.5	48.7
86	64.3	50.3	75.5



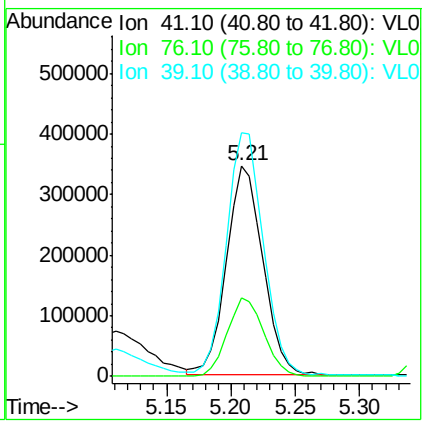


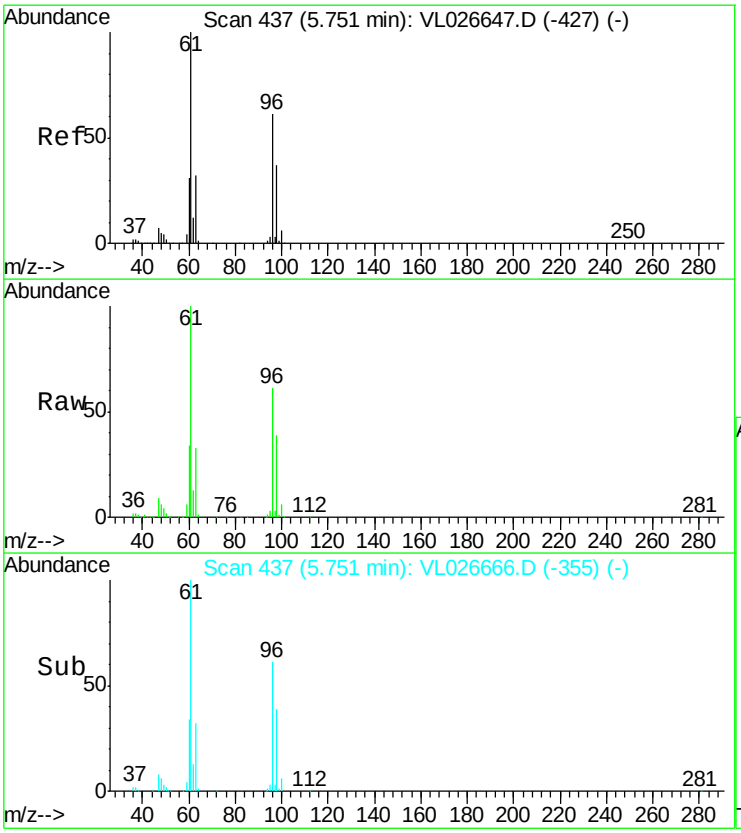
#21
Allvl Chloride
Concen: 9.93 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 678919

Ion	Ratio	Lower	Upper
41	100		
76	37.7	27.5	41.3
39	120.8	83.0	124.6

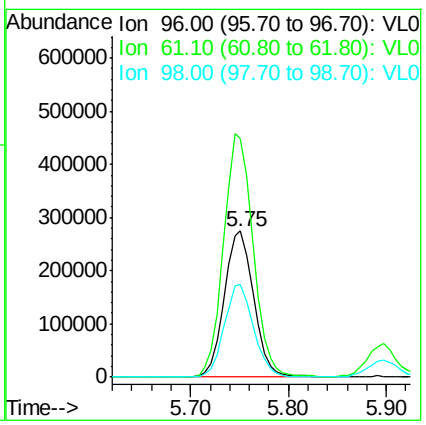


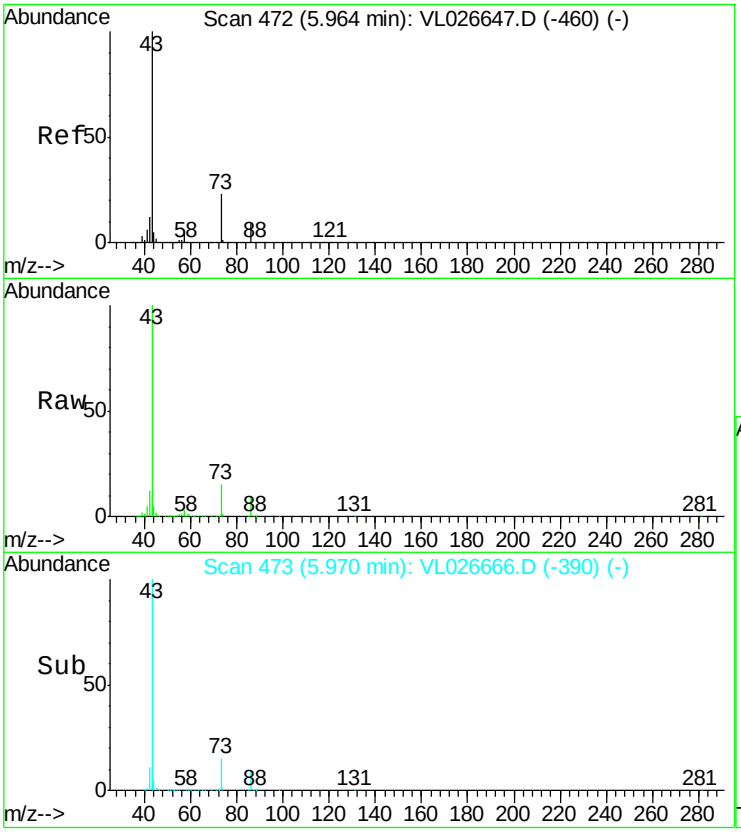


#22
trans-1,2-Dichloroethene
Concen: 10.49 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 96 Resp: 573081

Ion	Ratio	Lower	Upper
96	100		
61	163.0	131.0	196.6
98	63.4	48.1	72.1



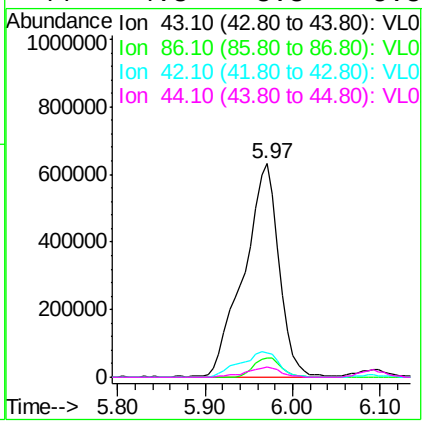


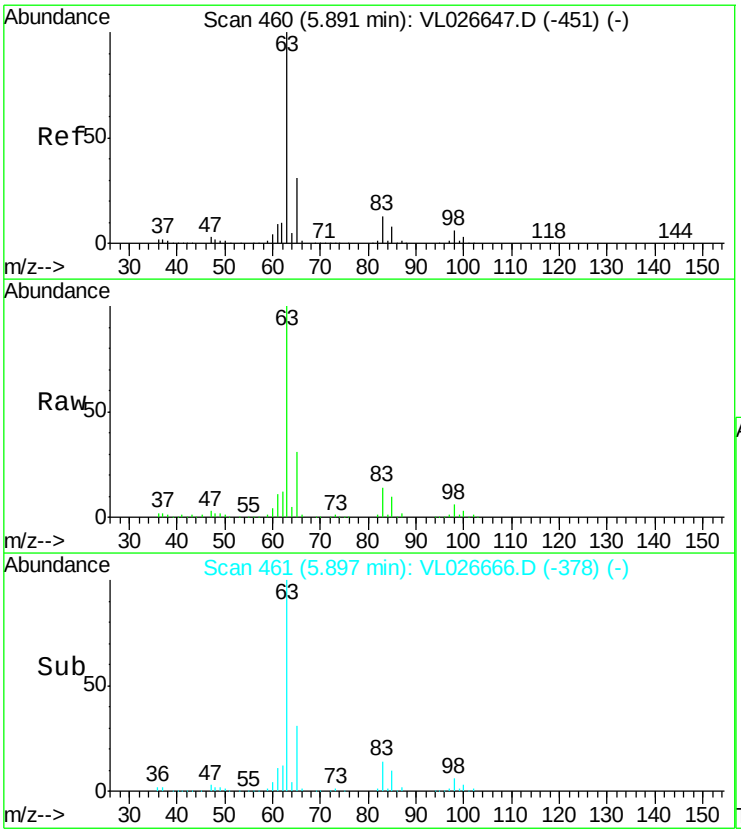
#23
Vinyl Acetate
Concen: 10.25 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1754317

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.4	11.0
42	11.5	9.2	13.8
44	4.8	3.8	5.8

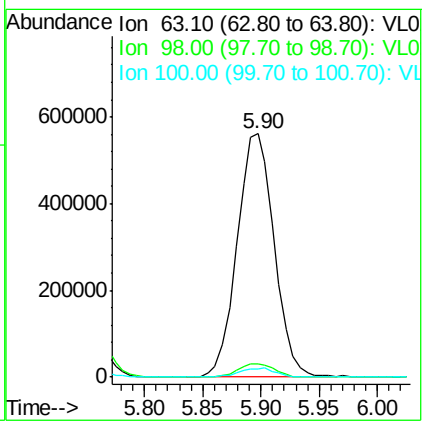


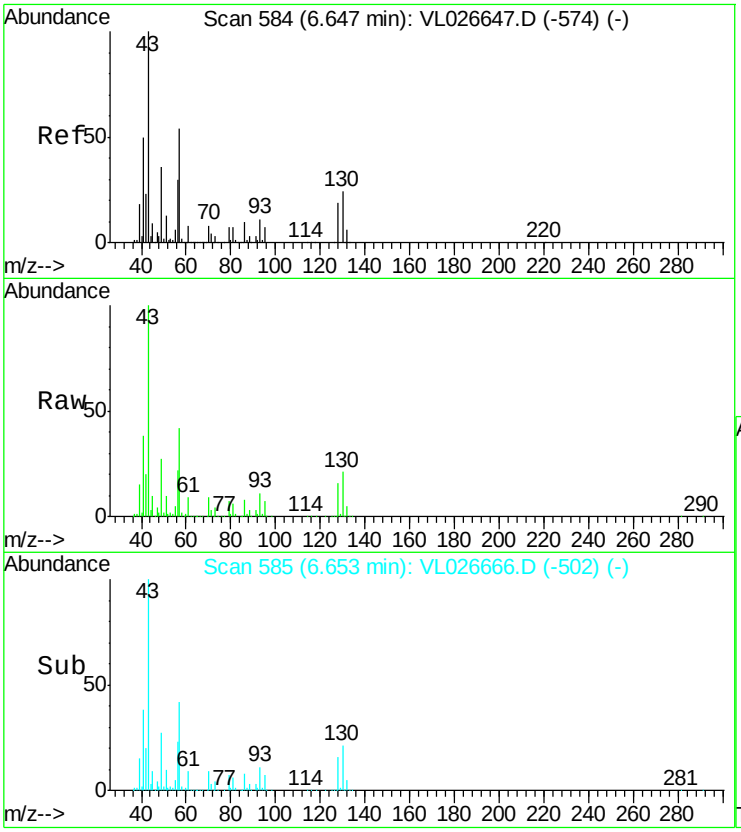


#24
1,1-Dichloroethane
Concen: 10.07 ppbv
RT: 5.90 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 63 Resp: 1242373

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	3.3	1.6	4.8



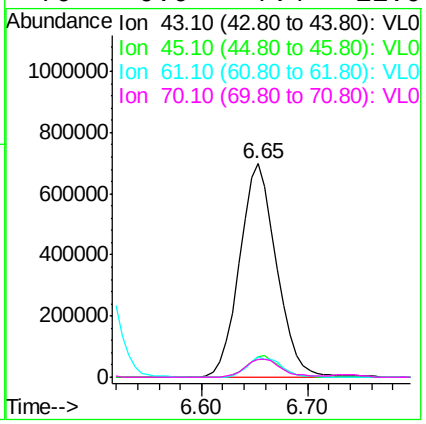


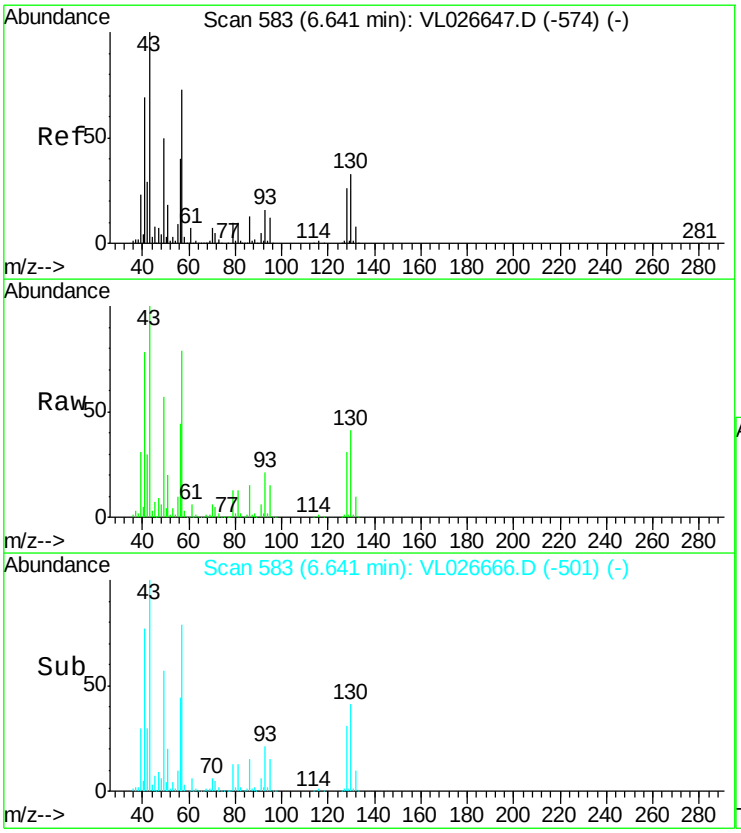
#25
Ethyl Acetate
Concen: 9.86 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1696015

Ion	Ratio	Lower	Upper
43	100		
45	9.1	7.5	11.3
61	9.1	7.3	10.9
70	9.6	7.4	11.0

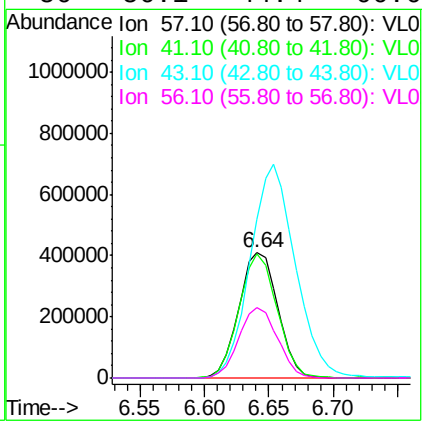


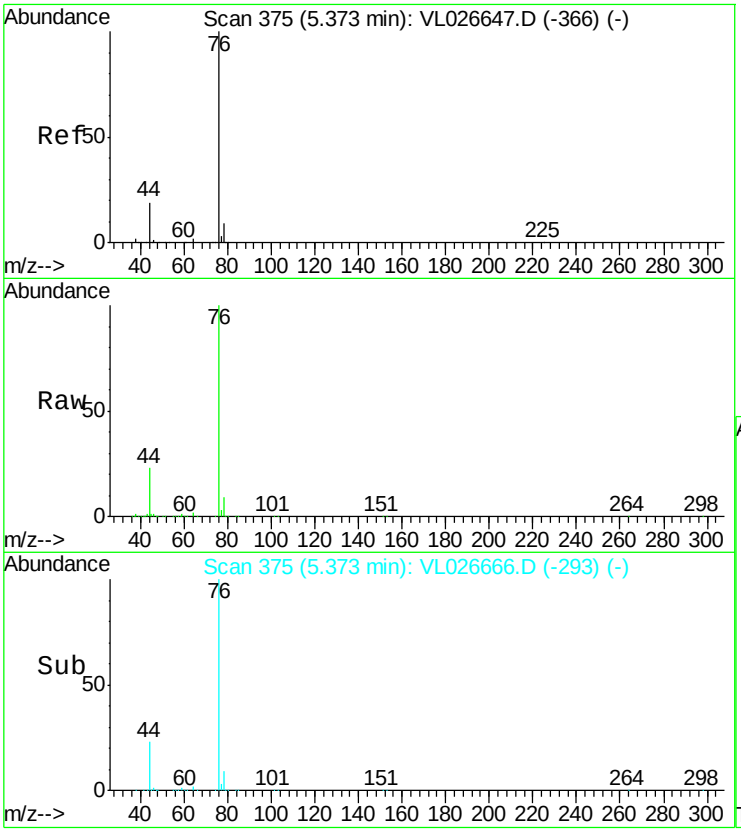


#26
Hexane
Concen: 9.63 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 57 Resp: 856499

Ion	Ratio	Lower	Upper
57	100		
41	98.3	74.8	112.2
43	198.4	161.5	242.3
56	56.1	44.4	66.6



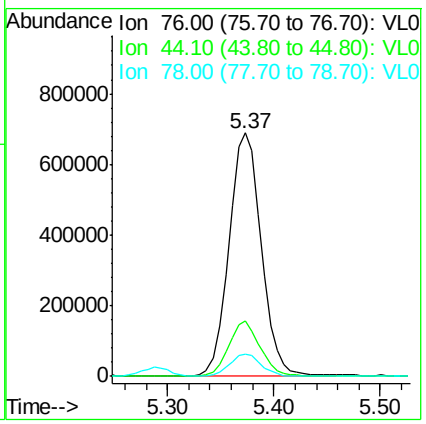


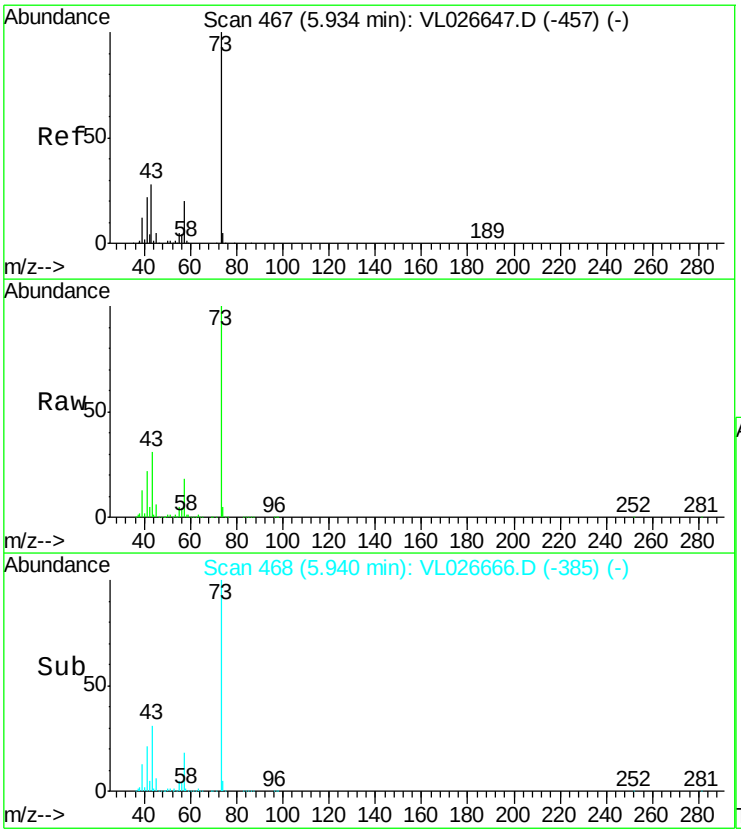
#27
Carbon Disulfide
Concen: 11.11 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1468871

Ion	Ratio	Lower	Upper
76	100		
44	22.5	15.9	23.9
78	9.3	7.6	11.4

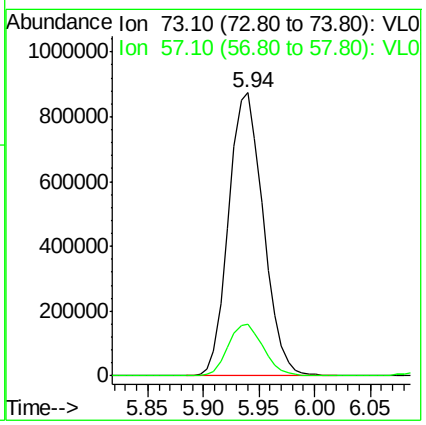


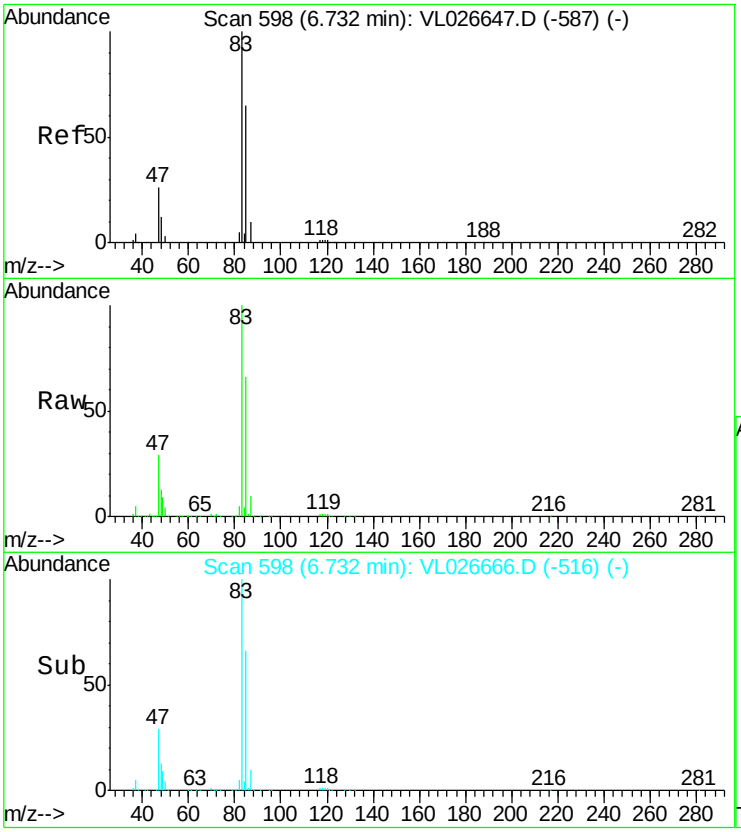


#28
Methyl tert-Butyl Ether
Concen: 10.71 ppbv
RT: 5.94 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 73 Resp: 1894720

Ion	Ratio	Lower	Upper
73	100		
57	18.9	16.2	24.4



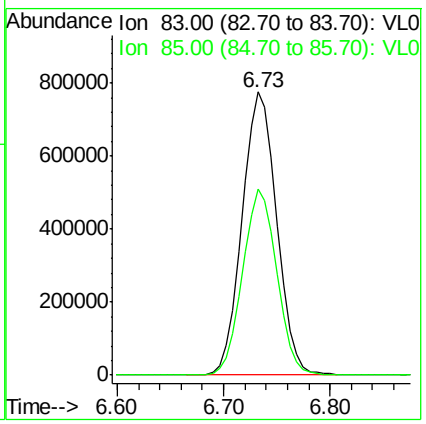


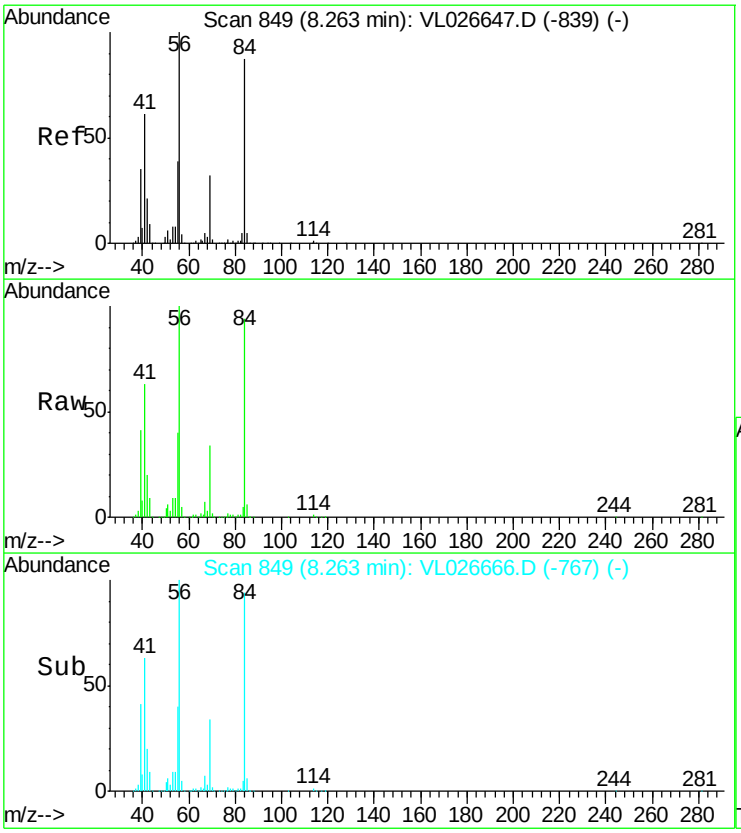
#29
Chloroform
Concen: 10.98 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1773296

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.6	77.4

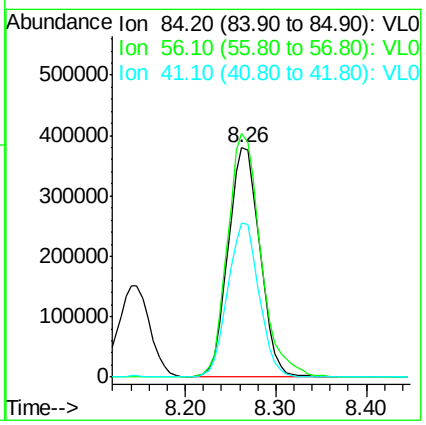


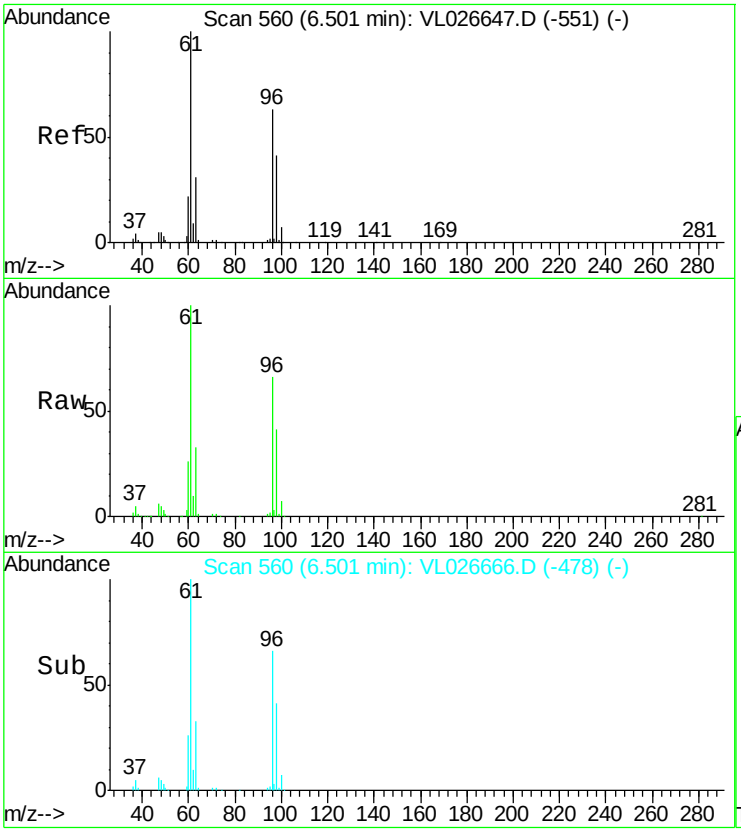


#30
Cyclohexane
Concen: 10.53 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 84 Resp: 924450

Ion	Ratio	Lower	Upper
84	100		
56	111.3	95.9	143.9
41	65.9	54.8	82.2



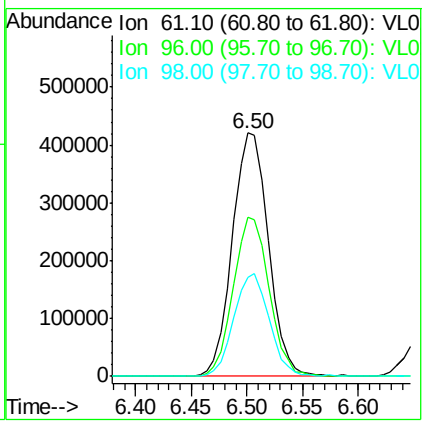


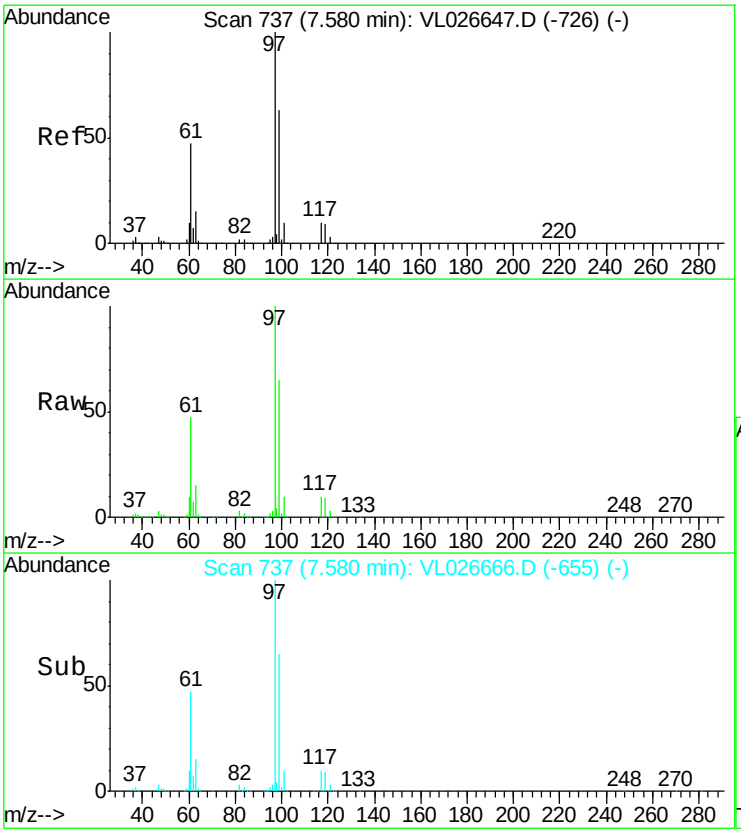
#31
cis-1,2-Dichloroethene
Concen: 10.56 ppbv
RT: 6.50 min Scan# 560
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 947080

Ion	Ratio	Lower	Upper
61	100		
96	65.5	50.2	75.4
98	40.7	32.4	48.6

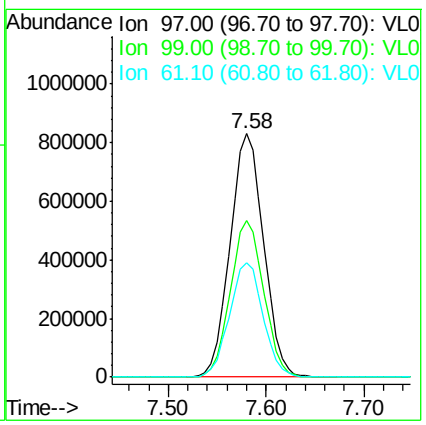


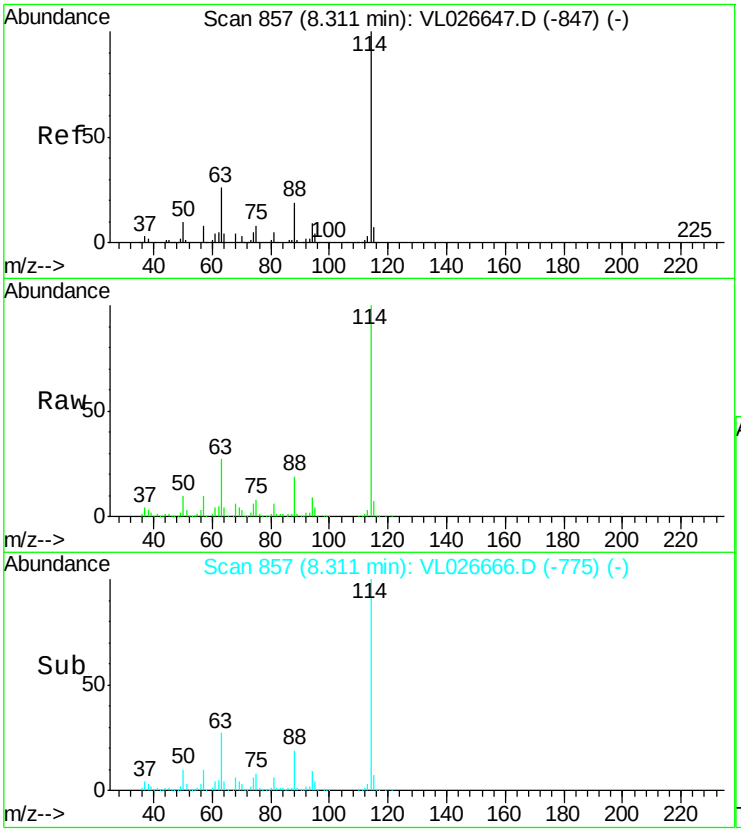


#32
1,1,1-Trichloroethane
Concen: 10.84 ppbv
RT: 7.58 min Scan# 737
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 97 Resp: 1975827

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	47.2	38.9	58.3



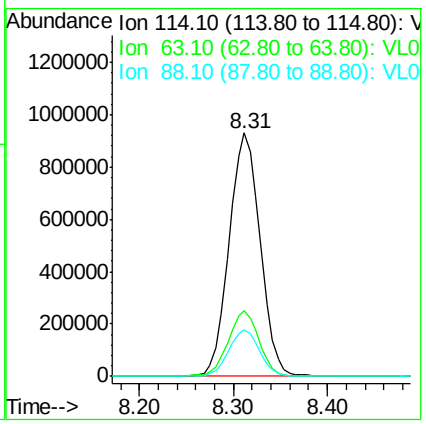


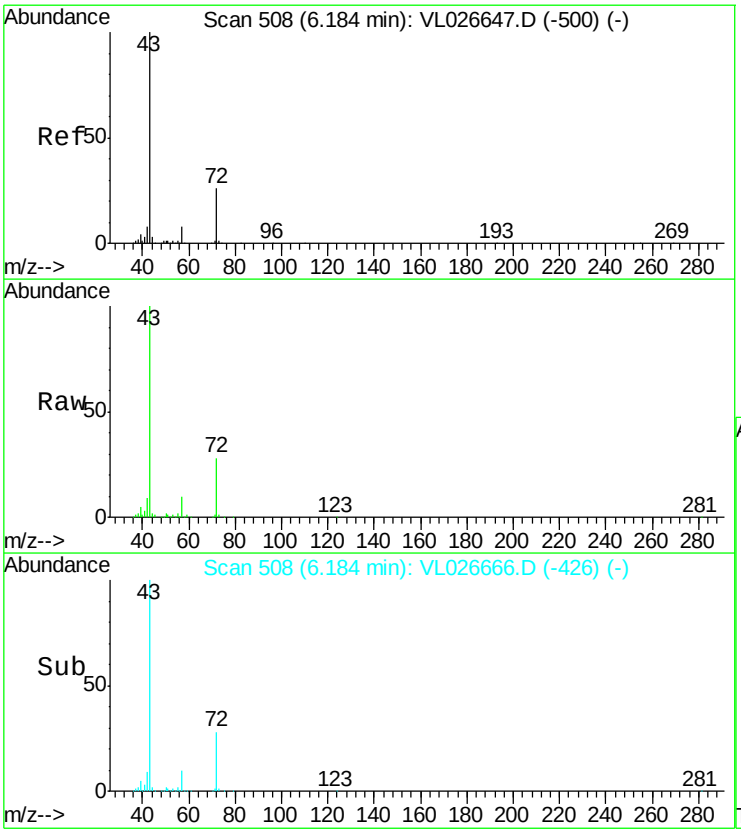
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2138247

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.7	32.5
88	18.9	15.2	22.8

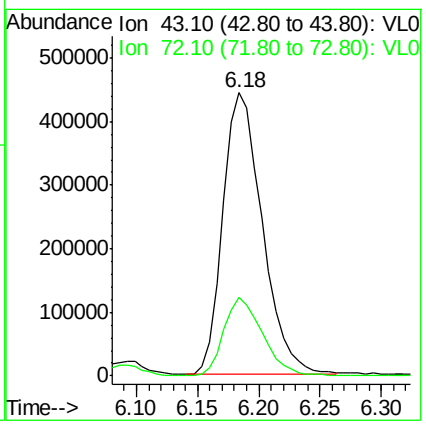


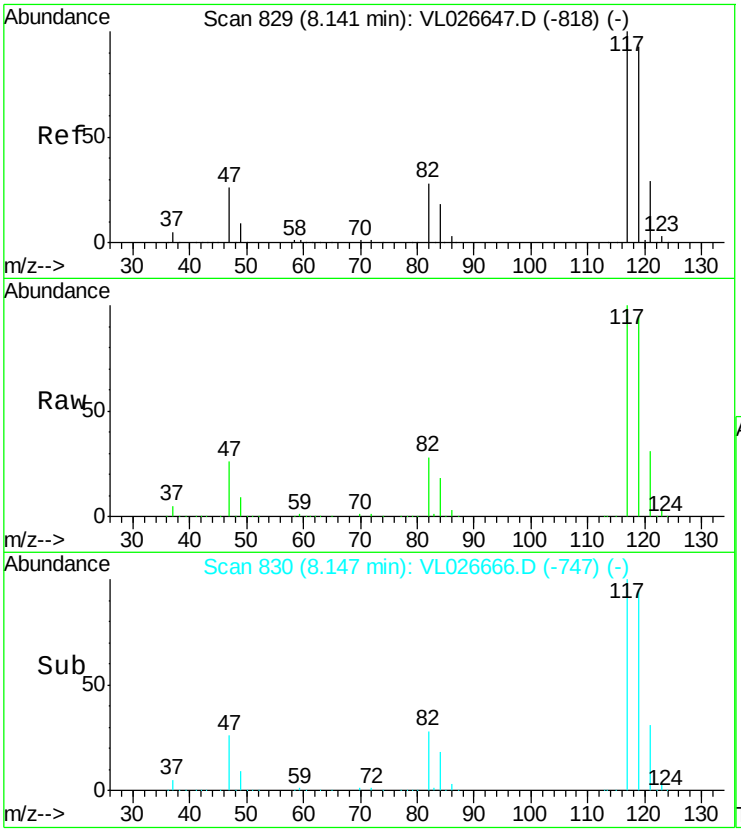


#34
2-Butanone
Concen: 8.70 ppbv
RT: 6.18 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 43 Resp: 991817

Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.9	31.3



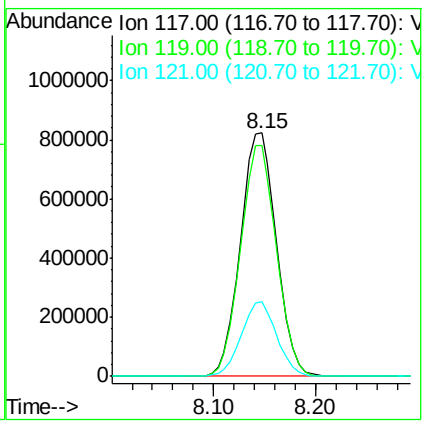


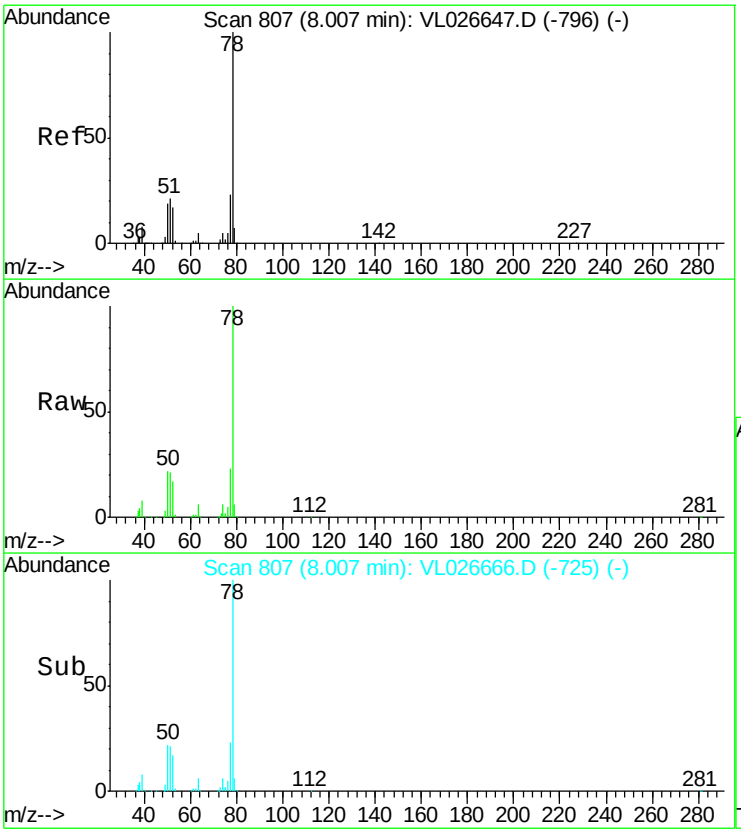
#35
Carbon Tetrachloride
Concen: 10.73 ppbv
RT: 8.15 min Scan# 830
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2018378

Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.7	112.1
121	30.8	23.1	34.7

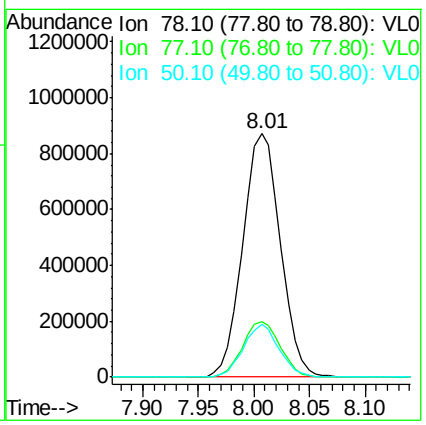


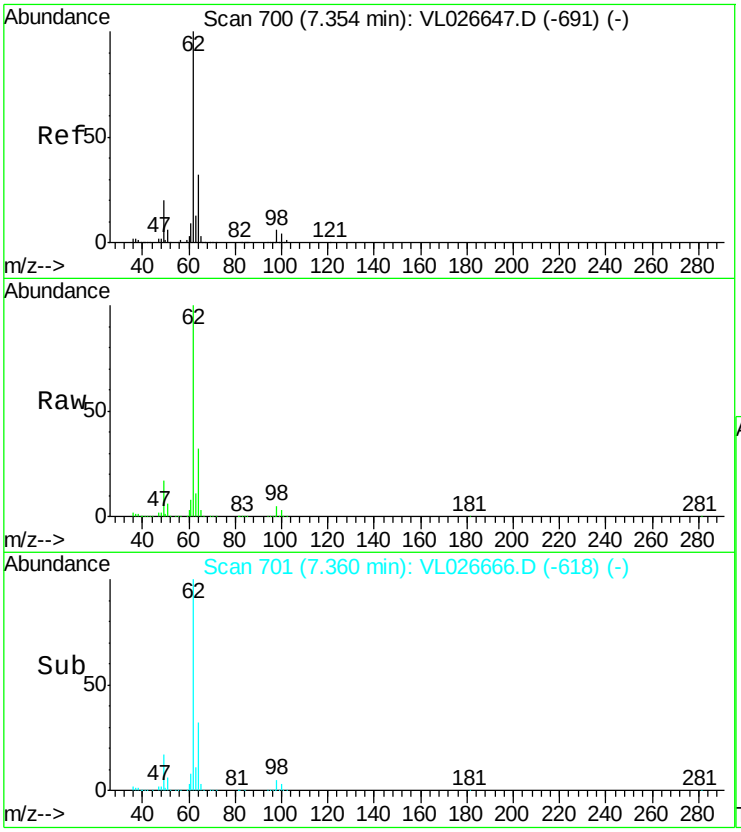


#36
Benzene
Concen: 9.34 ppbv
RT: 8.01 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 78 Resp: 2055355

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.5	27.7
50	21.6	15.4	23.2



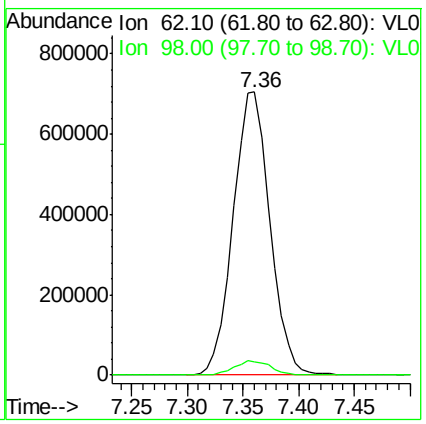


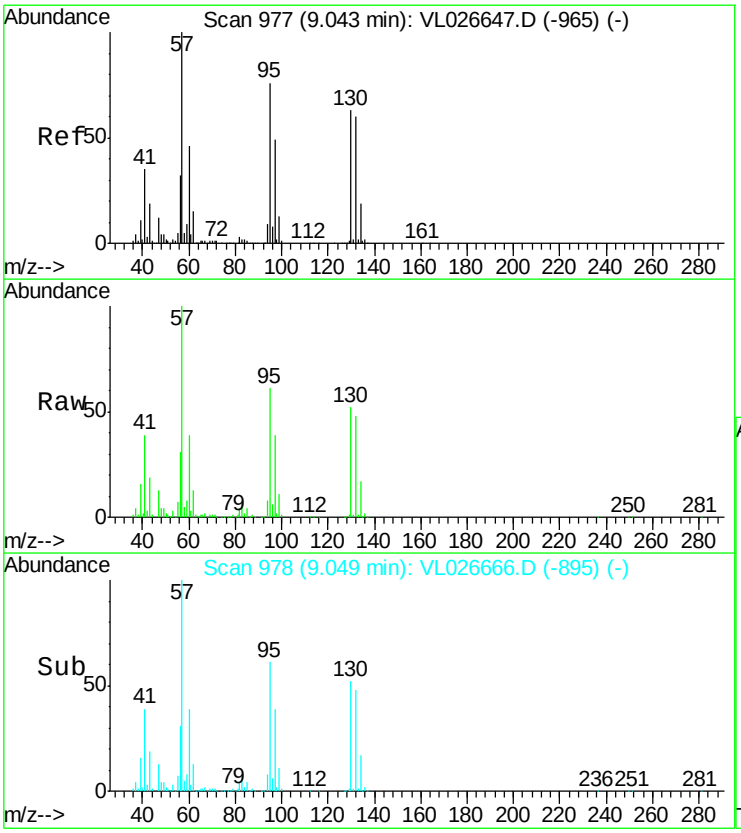
#37
1,2-Dichloroethane
Concen: 10.75 ppbv
RT: 7.36 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1618256

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.8	7.2

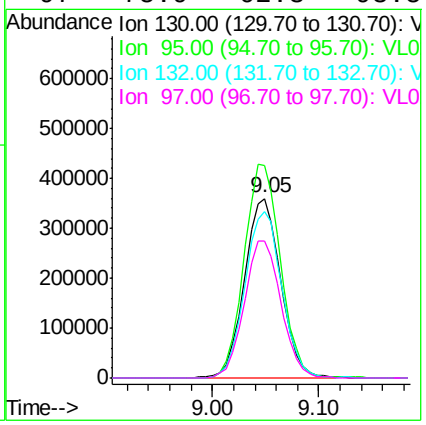


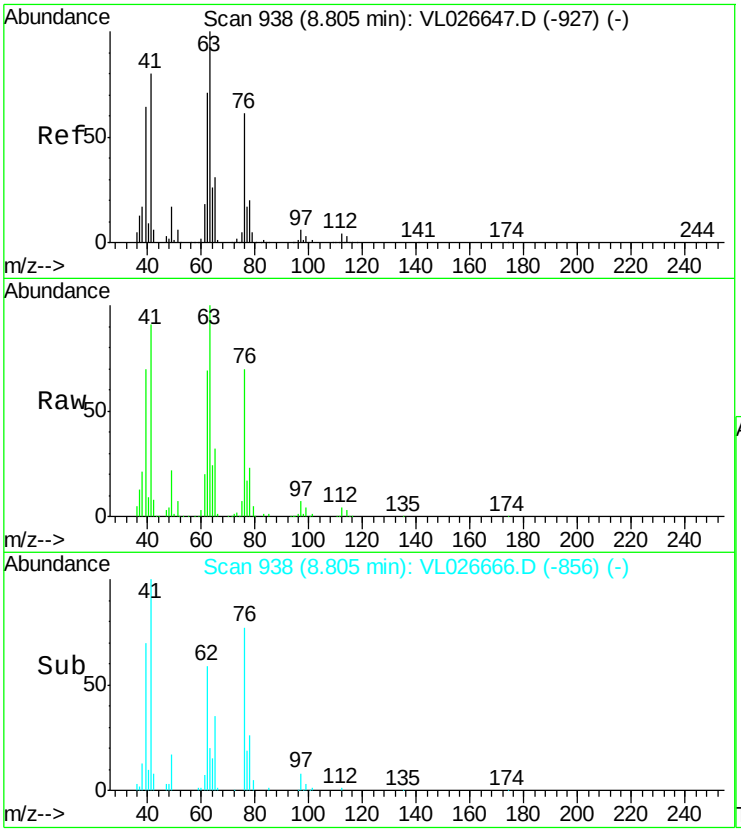


#38
Trichloroethene
Concen: 8.74 ppbv
RT: 9.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:130 Resp: 858438

Ion	Ratio	Lower	Upper
130	100		
95	118.0	96.6	145.0
132	92.8	76.2	114.4
97	75.9	62.3	93.5



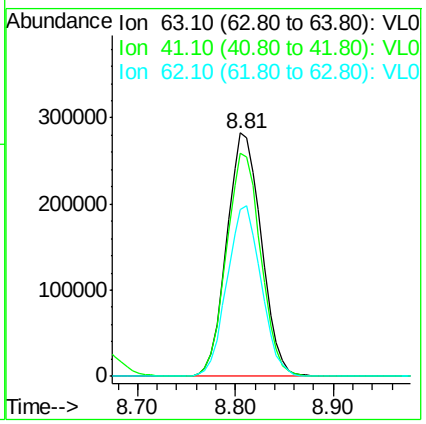


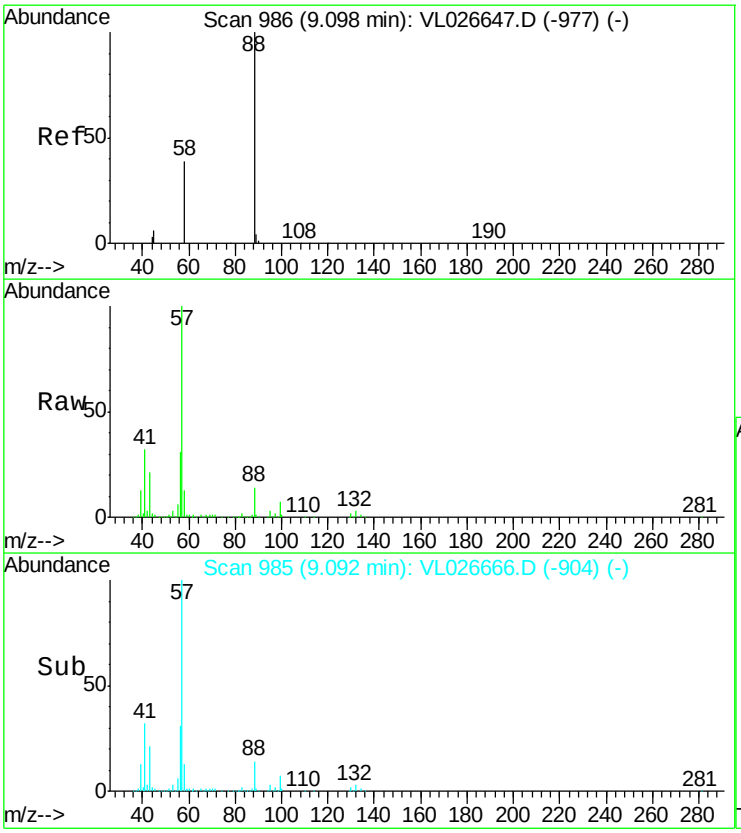
#39
1,2-Dichloropropane
Concen: 9.13 ppbv
RT: 8.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 694638

Ion	Ratio	Lower	Upper
63	100		
41	91.3	64.1	96.1
62	68.6	56.6	84.8

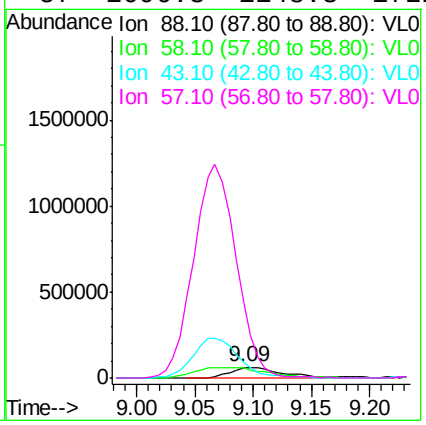


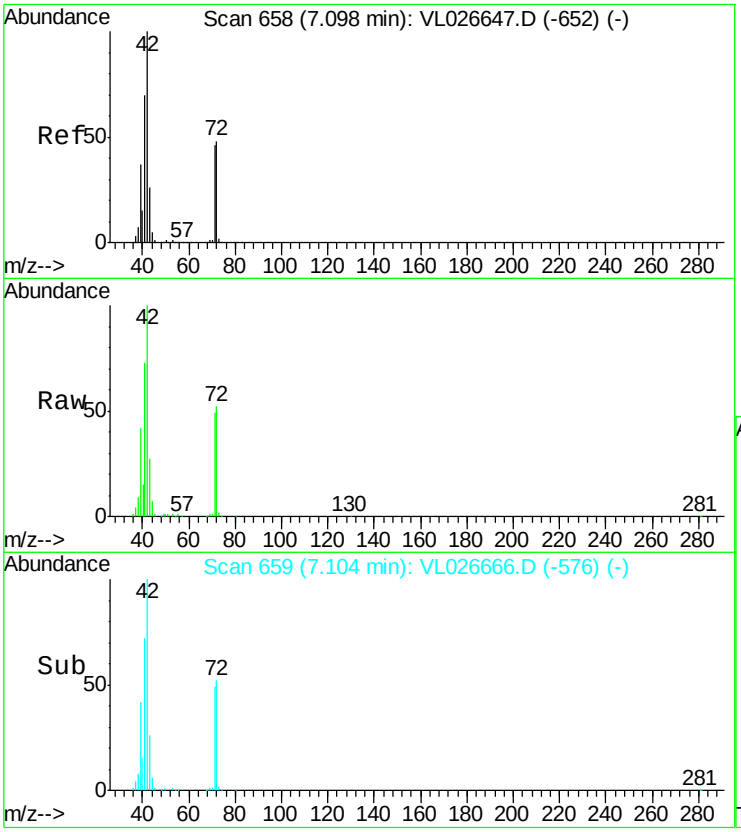


#40
1,4-Dioxane
Concen: 10.73 ppbv
RT: 9.09 min Scan# 985
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 88 Resp: 187608

Ion	Ratio	Lower	Upper
88	100		
58	146.3	109.4	164.2
43	343.0	238.2	357.2
57	1696.3	1148.3	1722.5



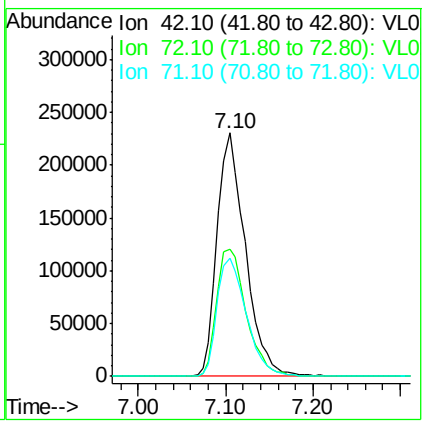


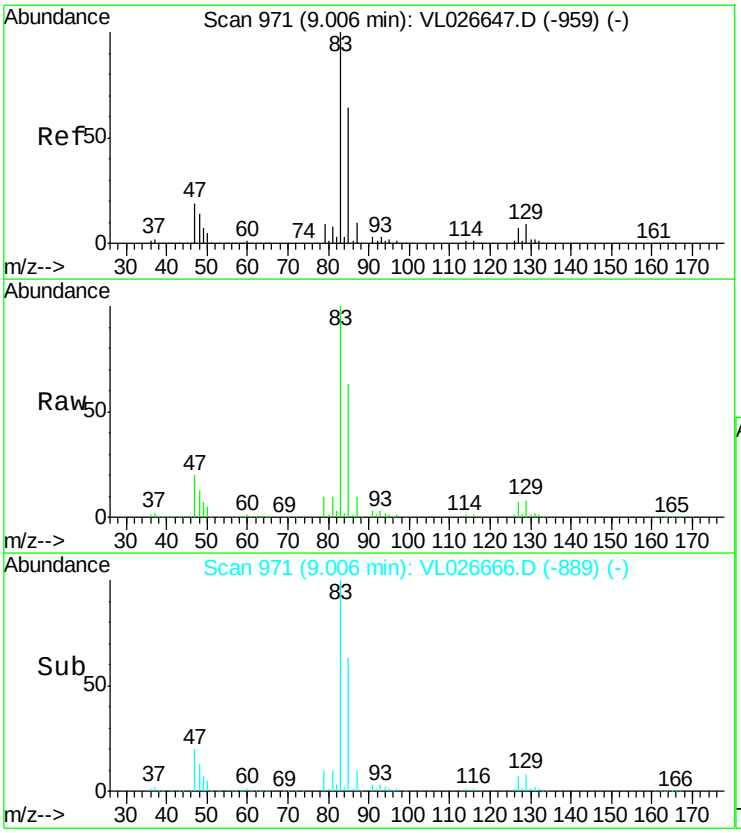
#41
Tetrahydrofuran
Concen: 9.19 ppbv
RT: 7.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 518699

Ion	Ratio	Lower	Upper
42	100		
72	55.1	40.6	60.8
71	50.4	38.4	57.6

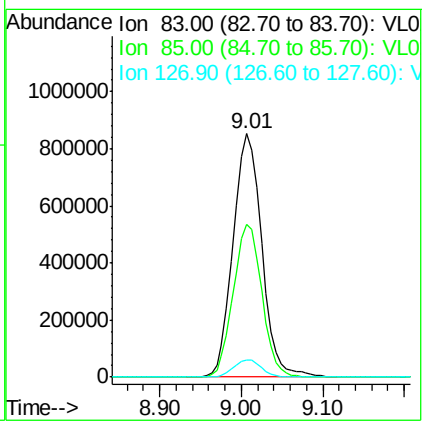


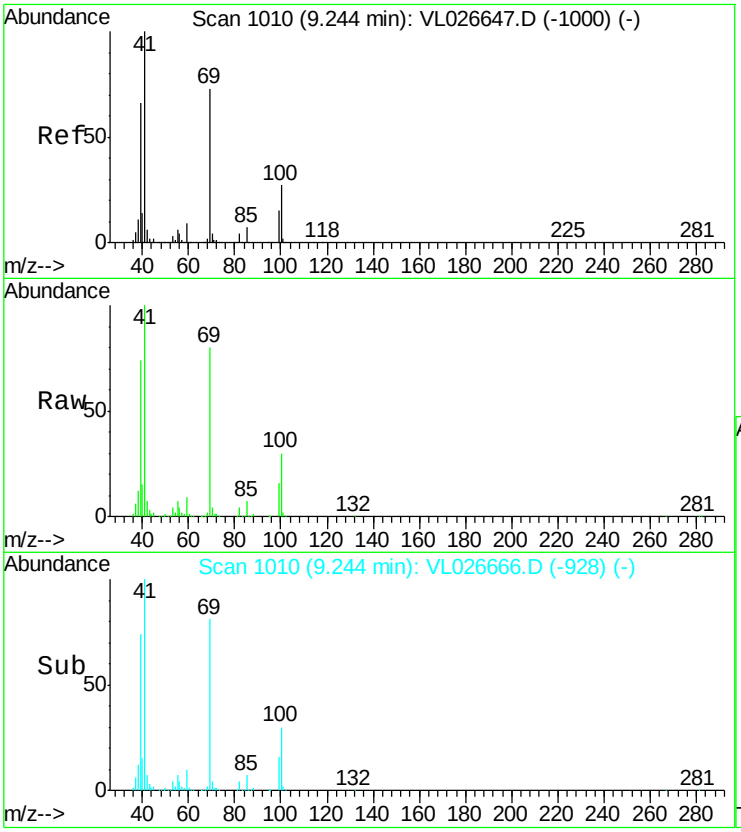


#42
Bromodichloromethane
Concen: 10.75 ppbv
RT: 9.01 min Scan# 971
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 83 Resp: 2088557

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	6.9	5.5	8.3



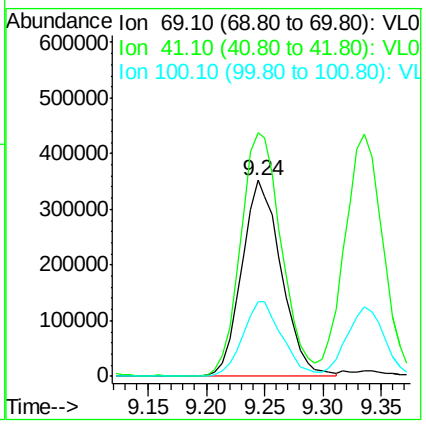


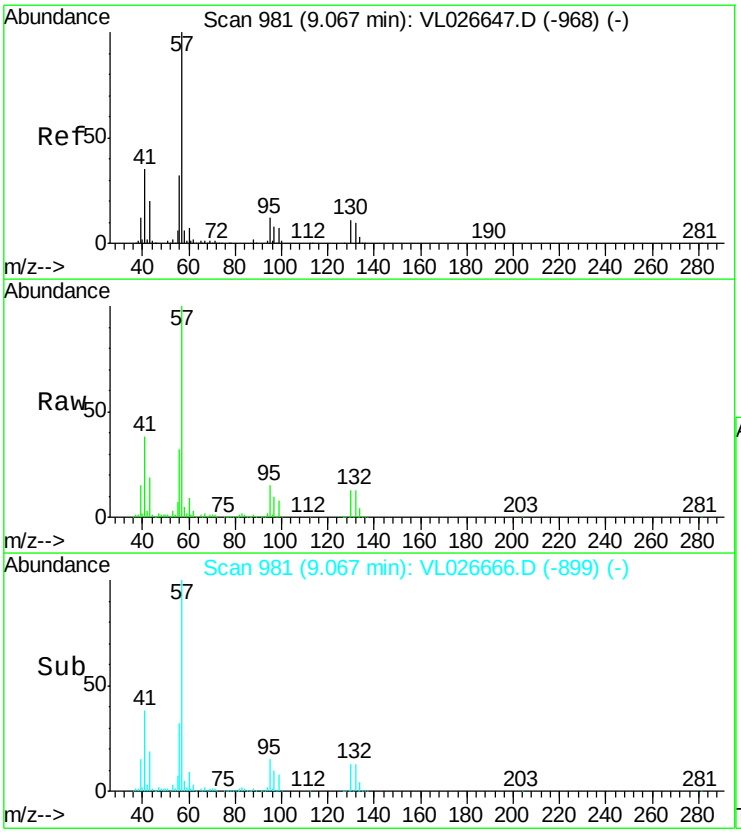
#43
Methyl Methacrylate
Concen: 10.35 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 831595

Ion	Ratio	Lower	Upper
69	100		
41	128.0	106.1	159.1
100	37.5	29.0	43.4

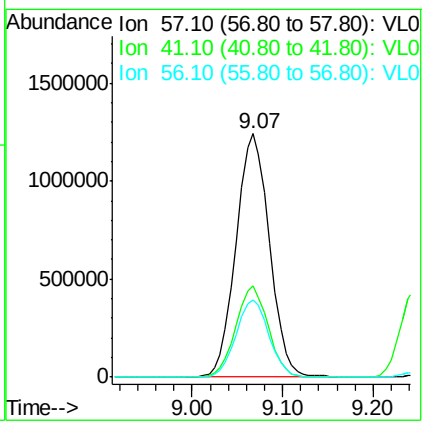


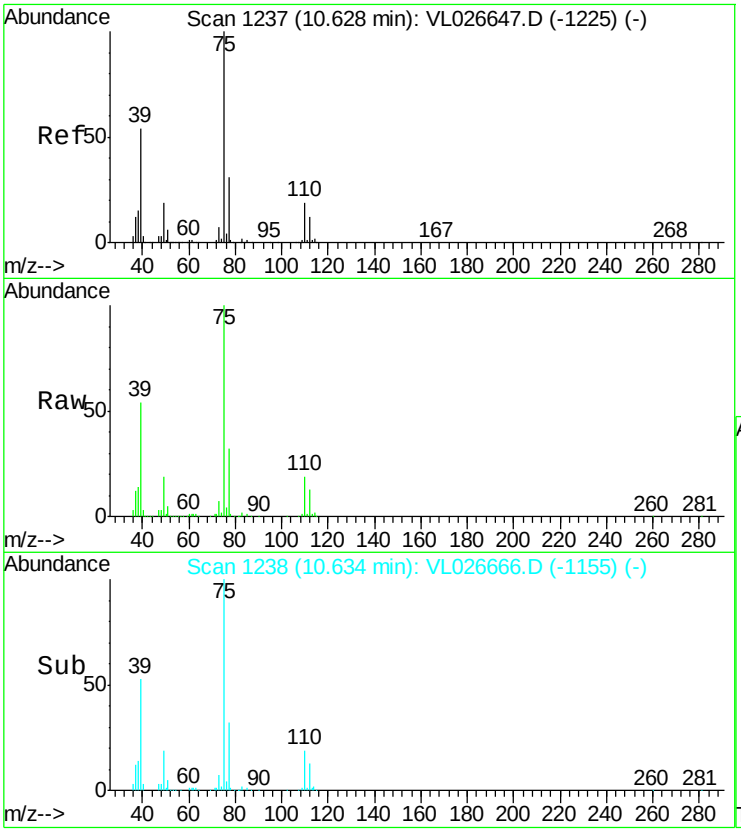


#44
2,2,4-Trimethylpentane
Concen: 8.94 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 57 Resp: 3175566

Ion	Ratio	Lower	Upper
57	100		
41	36.4	26.9	40.3
56	31.1	25.4	38.0



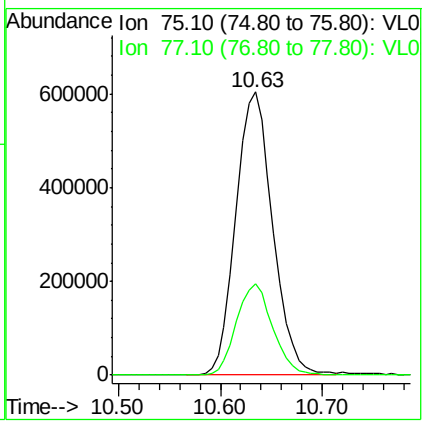


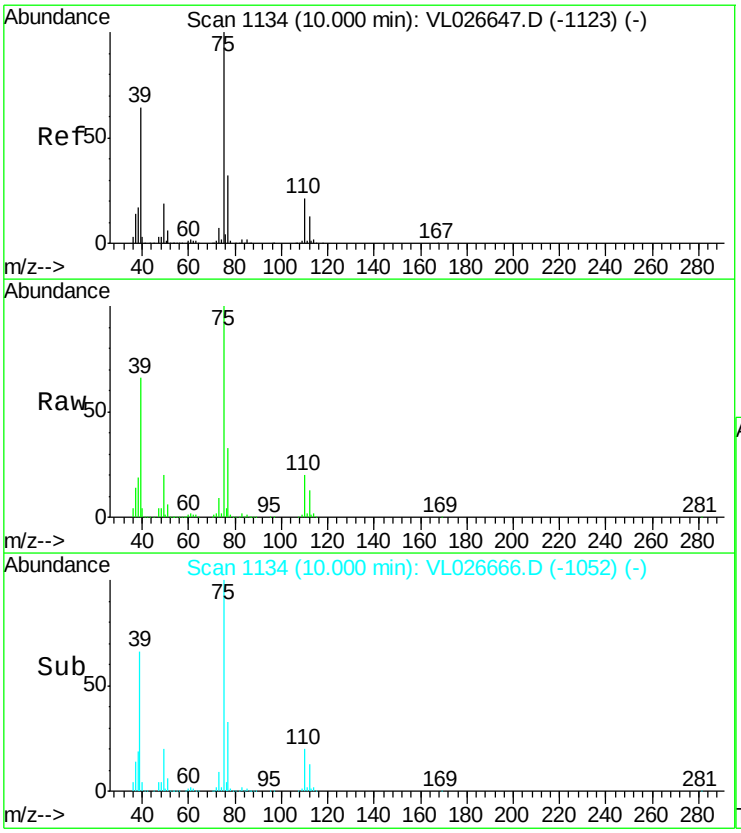
#45
t-1,3-Dichloropropene
Concen: 11.67 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1518808

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	37.0

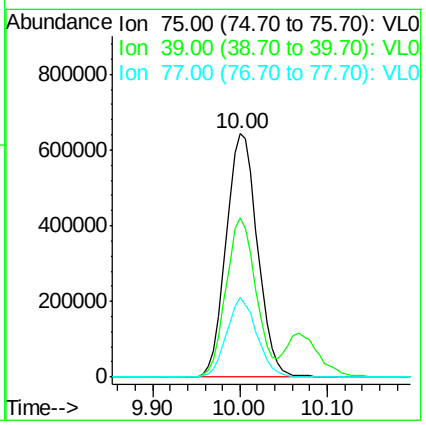


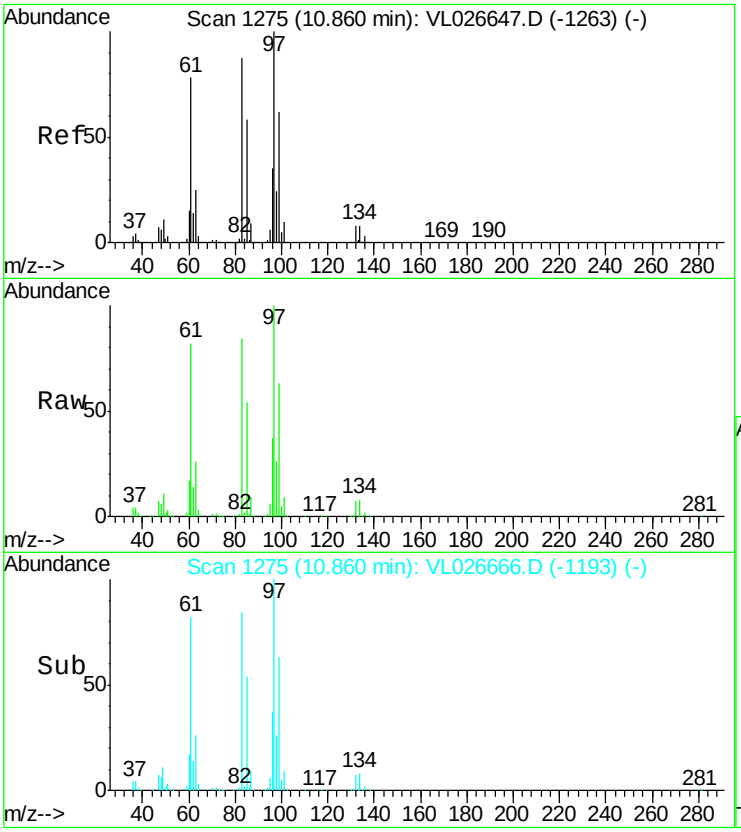


#46
cis-1,3-Dichloropropene
Concen: 10.86 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 75 Resp: 1607290

Ion	Ratio	Lower	Upper
75	100		
39	65.5	51.2	76.8
77	32.5	25.9	38.9



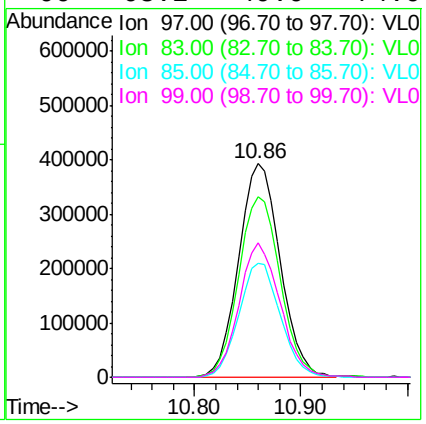


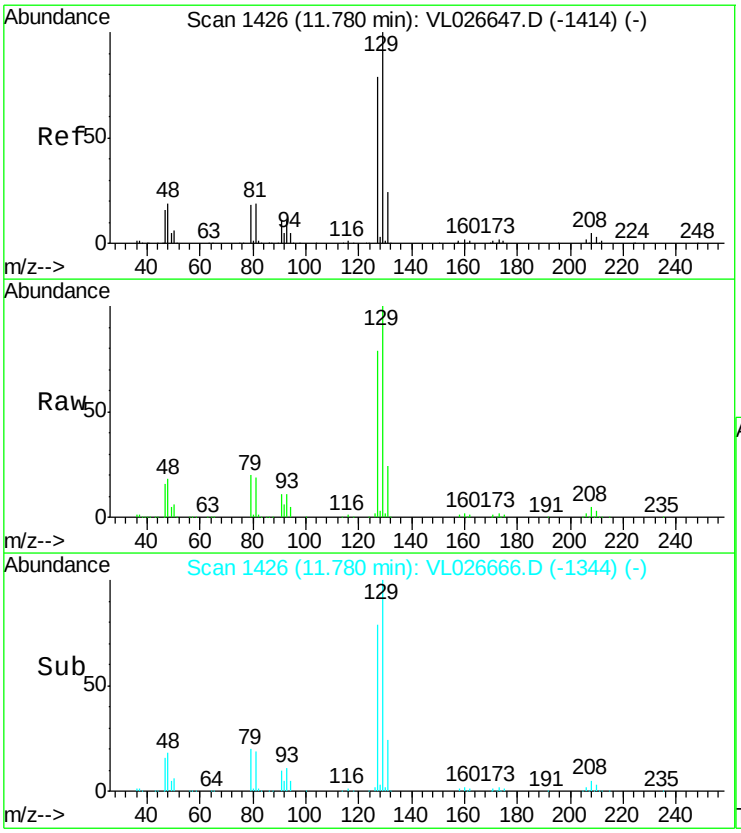
#47
1,1,2-Trichloroethane
Concen: 9.94 ppbv
RT: 10.86 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 1078069

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.5	104.3
85	53.5	46.4	69.6
99	63.2	49.9	74.9

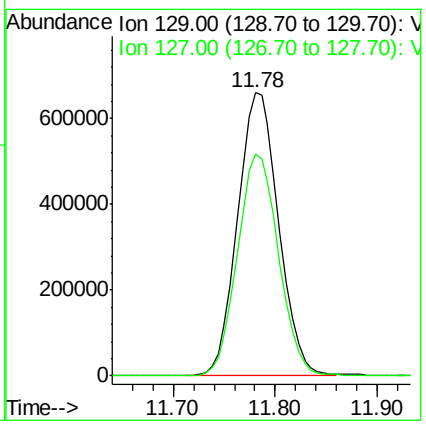


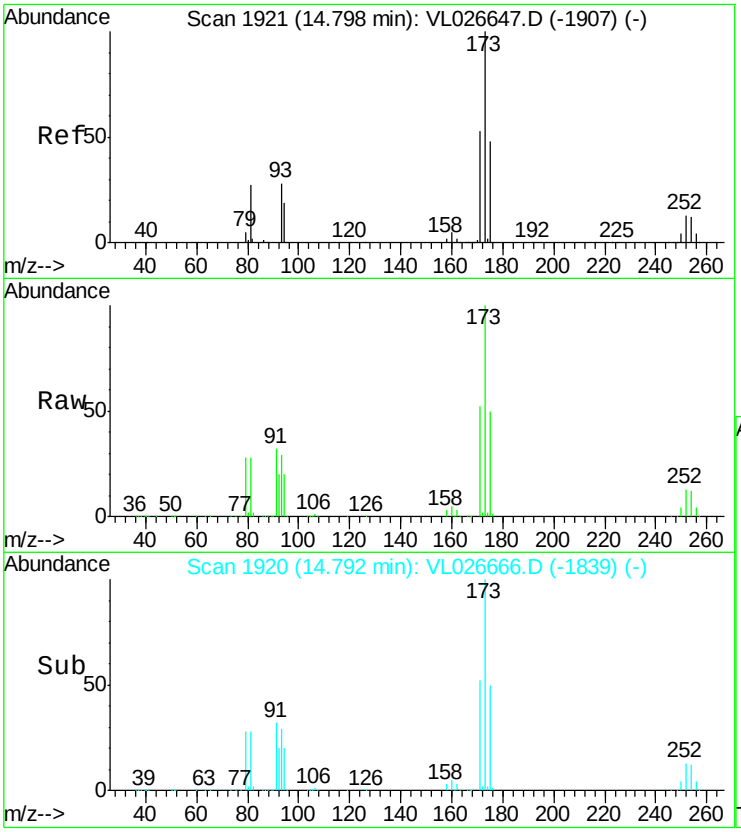


#48
Dibromochloromethane
Concen: 11.34 ppbv
RT: 11.78 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:129 Resp: 1844528

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.5



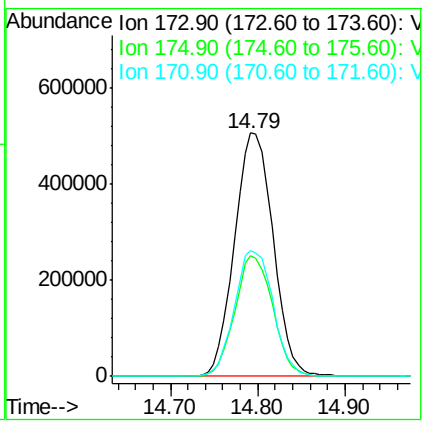


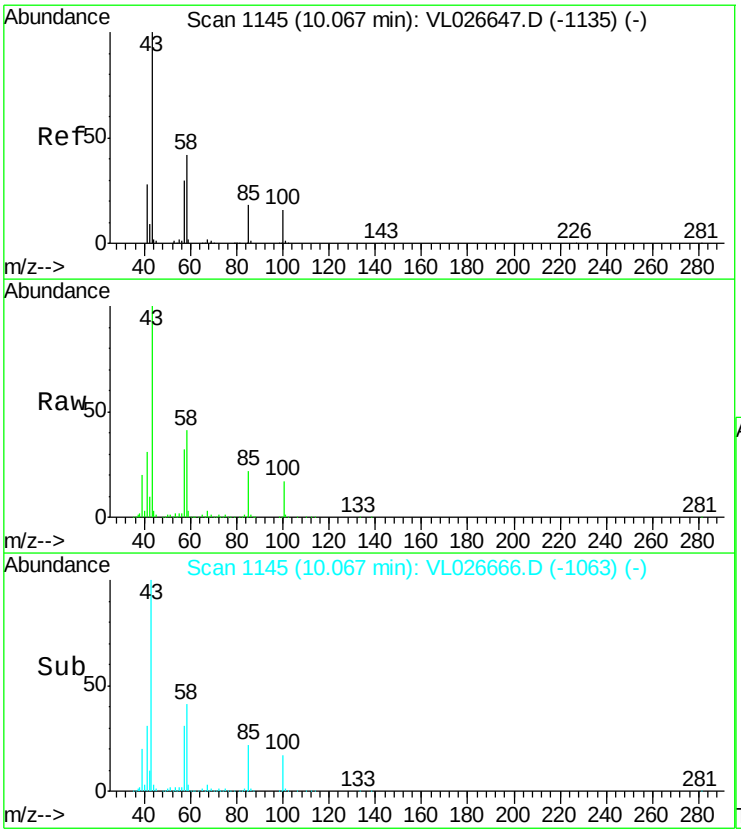
#49
Bromoform
Concen: 11.73 ppbv
RT: 14.79 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1557010

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.9	41.5	62.3

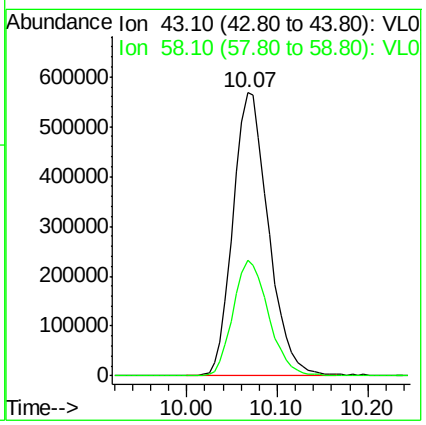


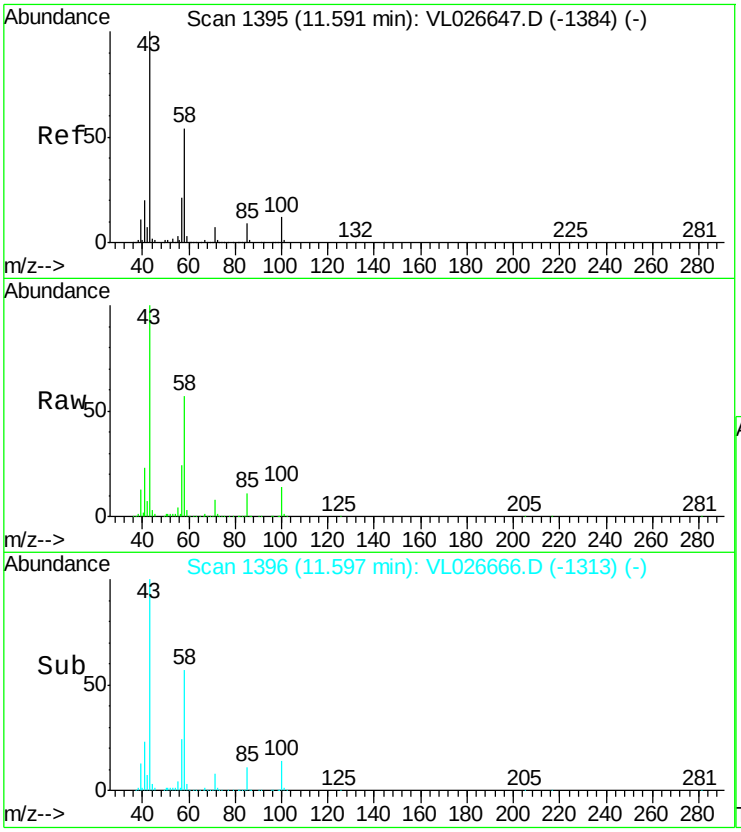


#50
4-Methyl-2-Pentanone
Concen: 9.59 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 43 Resp: 1536686

Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.4	48.6



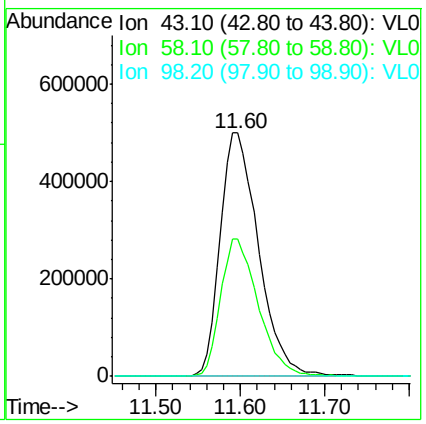


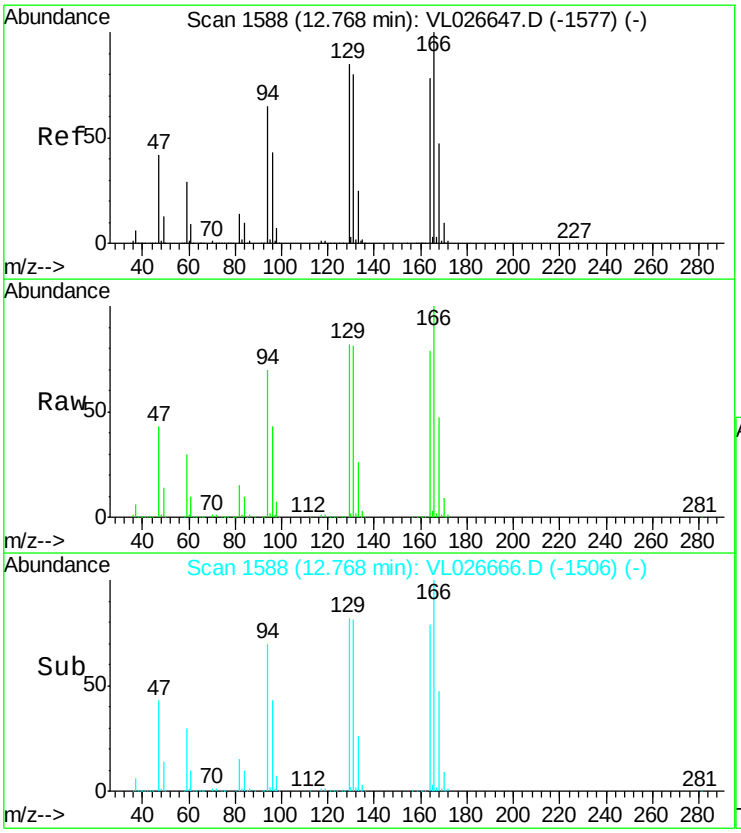
#51
2-Hexanone
Concen: 10.50 ppbv
RT: 11.60 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1550636

Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.9	67.3
98	0.5	0.2	0.2#

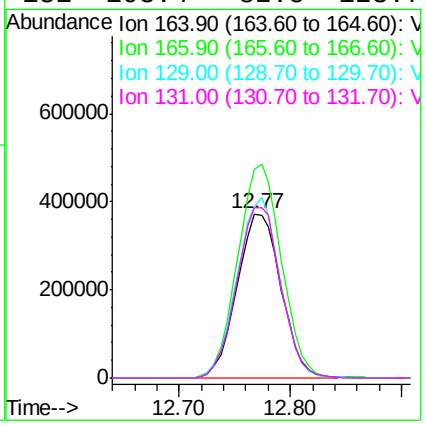


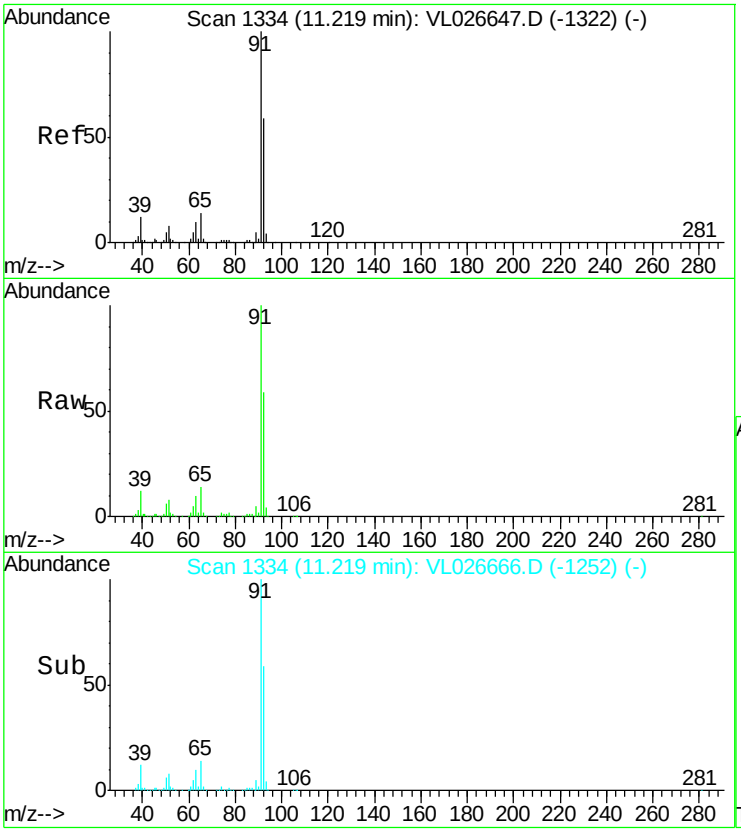


#52
Tetrachloroethene
Concen: 9.28 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:164 Resp: 1020357

Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.5	153.7
129	104.1	87.0	130.6
131	103.4	82.5	123.7



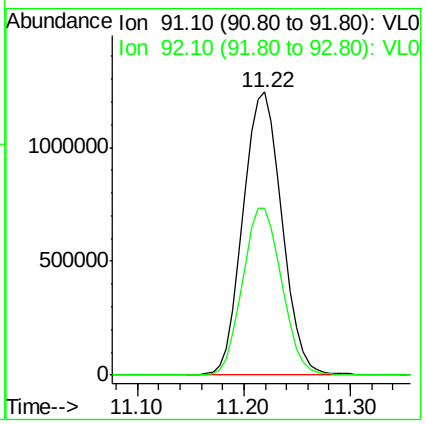


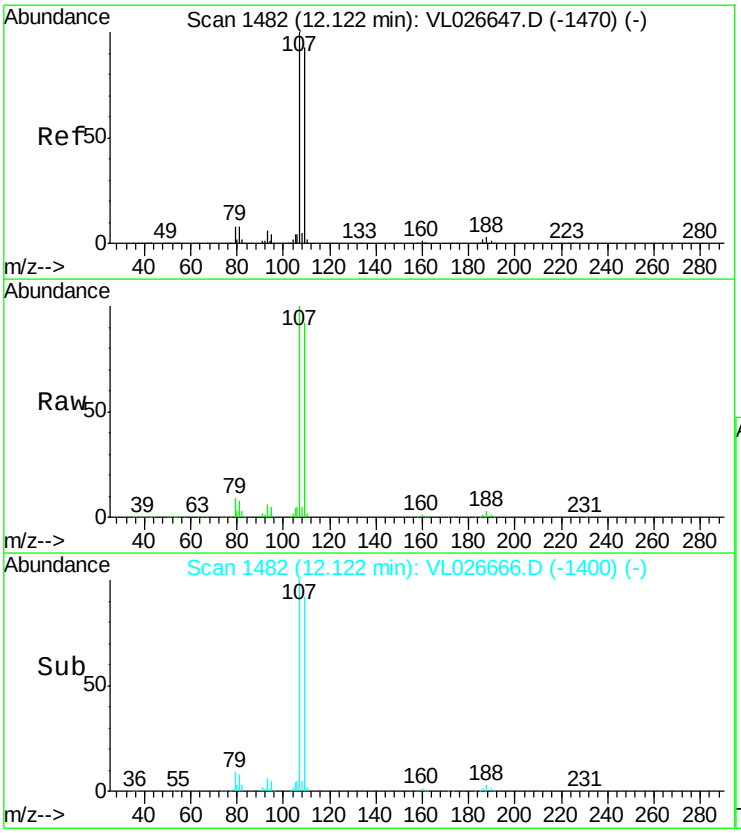
#53
Toluene
Concen: 10.30 ppbv
RT: 11.22 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3195219

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.2	72.4

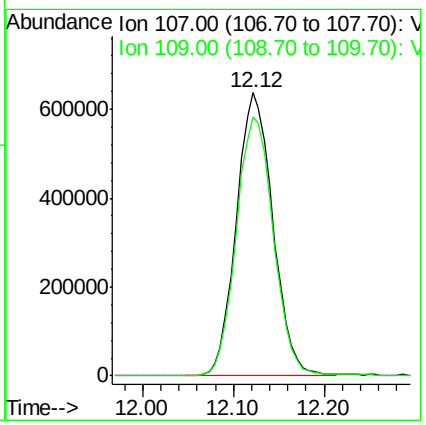


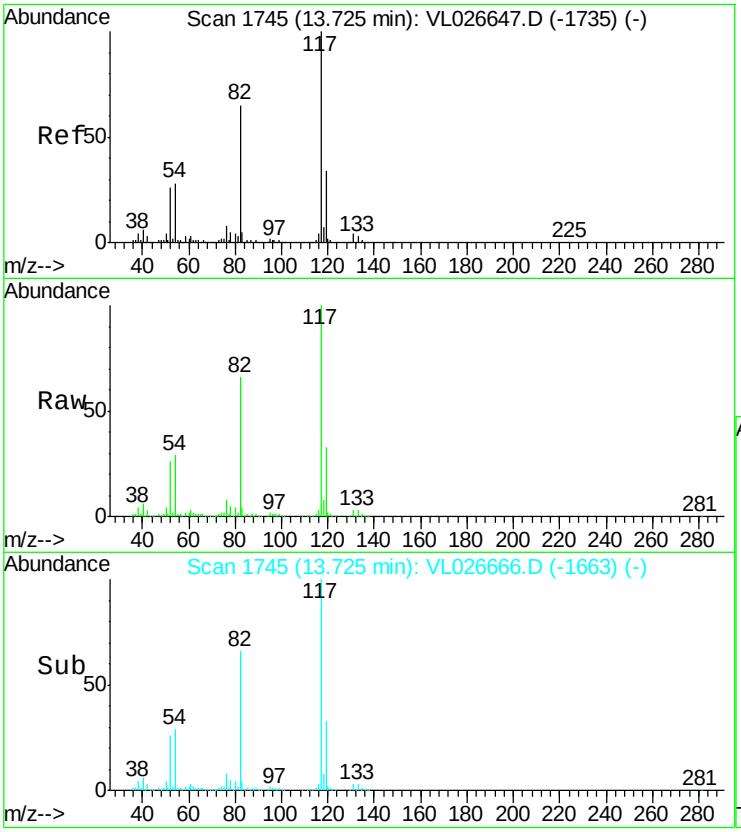


#54
1,2-Dibromoethane
Concen: 10.36 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:107 Resp: 1777580

Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.1	111.1



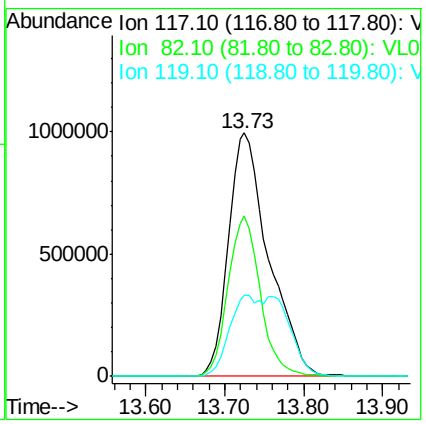


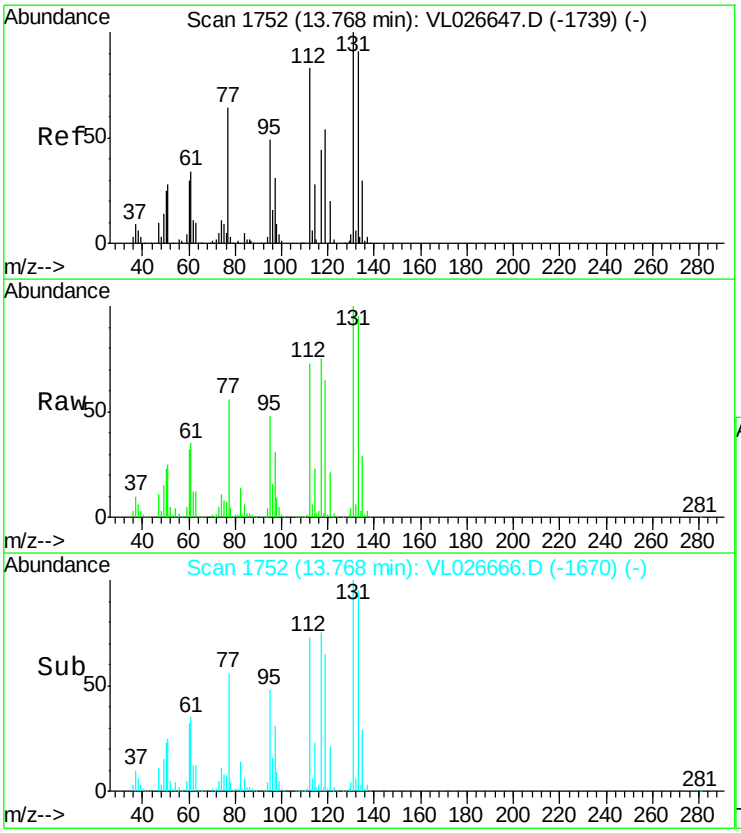
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3536289

Ion	Ratio	Lower	Upper
117	100		
82	53.2	49.7	74.5
119	47.3	43.8	65.8

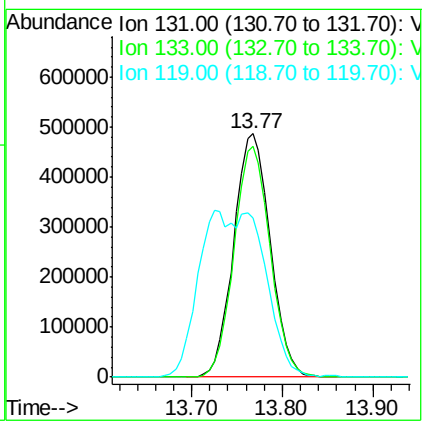


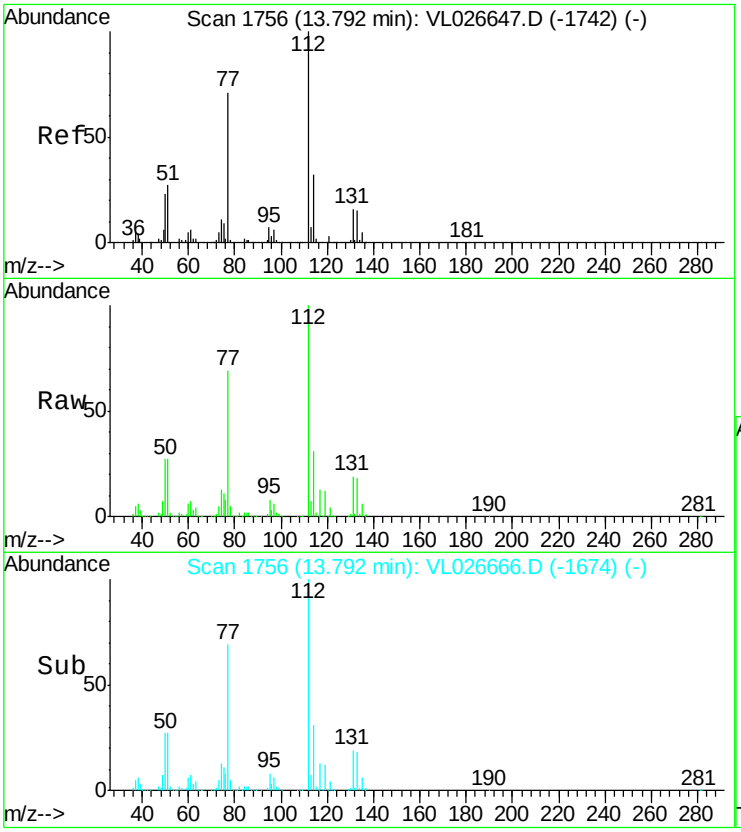


#56
1,1,1,2-Tetrachloroethane
Concen: 8.37 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:131 Resp: 1361990

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.2	114.4
119	123.4	104.3	156.5



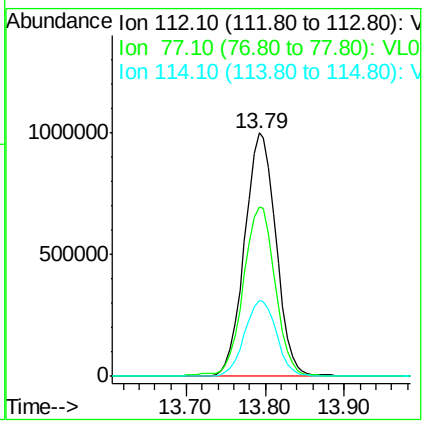


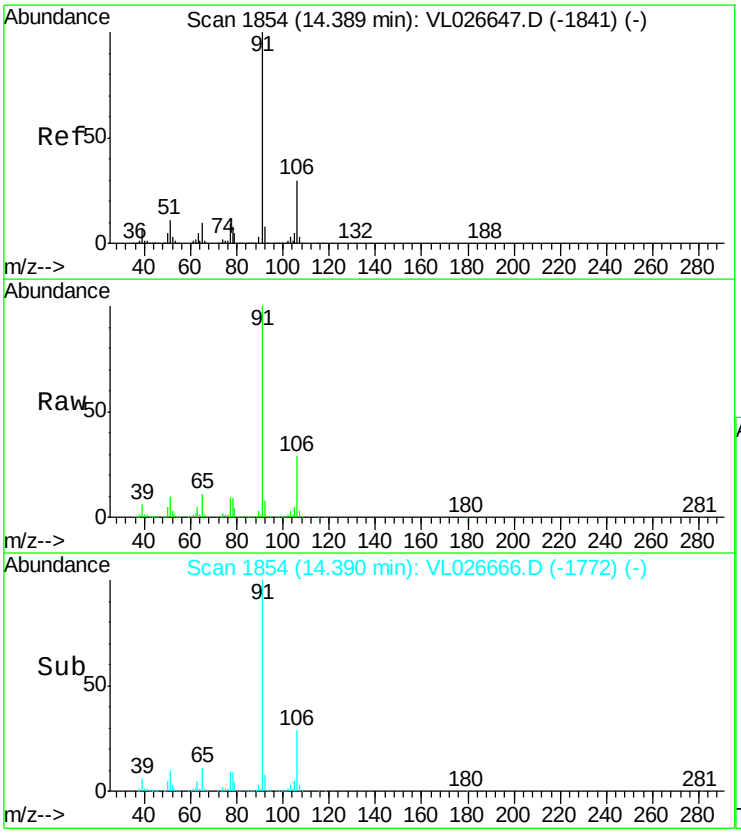
#57
Chlorobenzene
Concen: 7.60 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 2767381

Ion	Ratio	Lower	Upper
112	100		
77	69.1	56.9	85.3
114	31.3	28.8	35.2

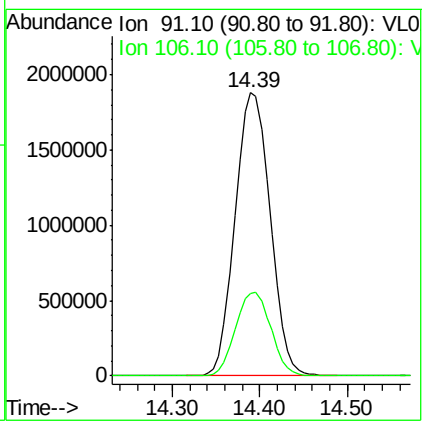


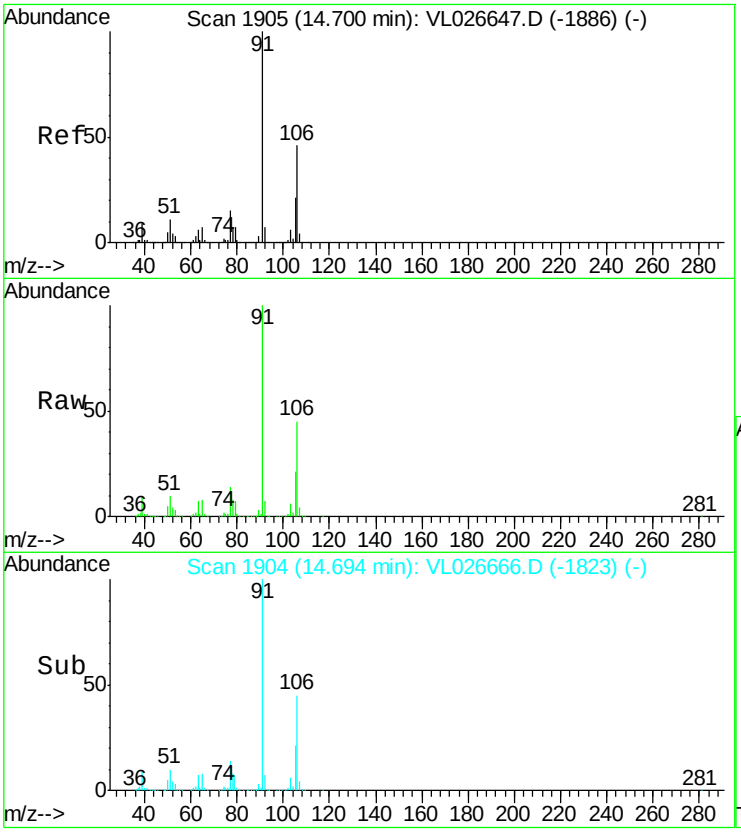


#58
Ethyl Benzene
Concen: 8.31 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 91 Resp: 5248709

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.8	35.6



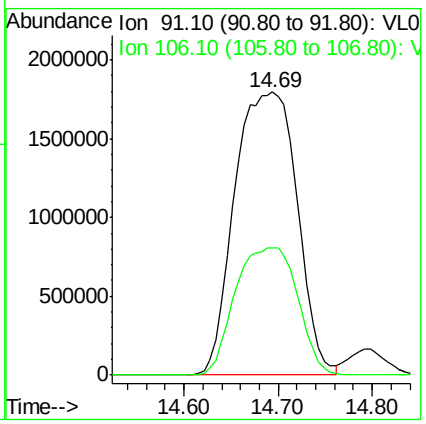


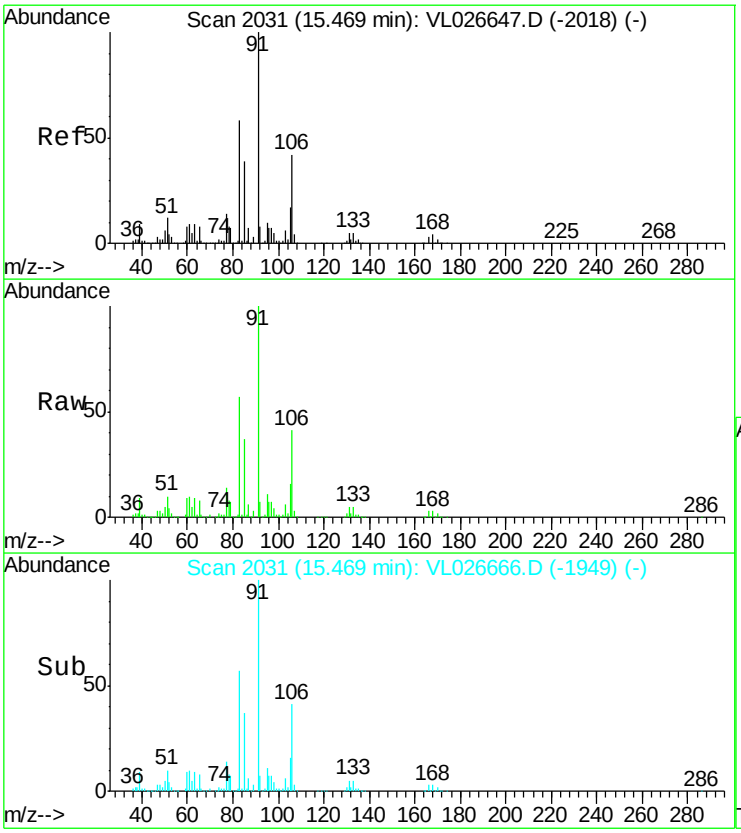
#59
m/p-Xylene
Concen: 15.90 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 8277355

Ion	Ratio	Lower	Upper
91	100		
106	45.3	36.6	55.0

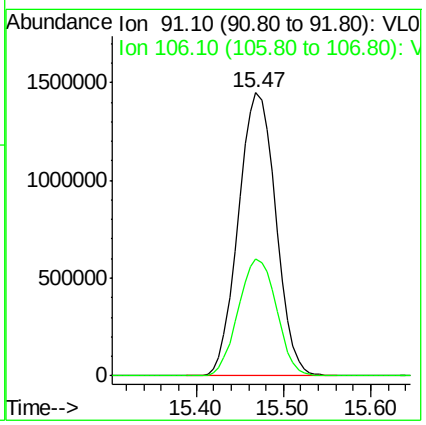


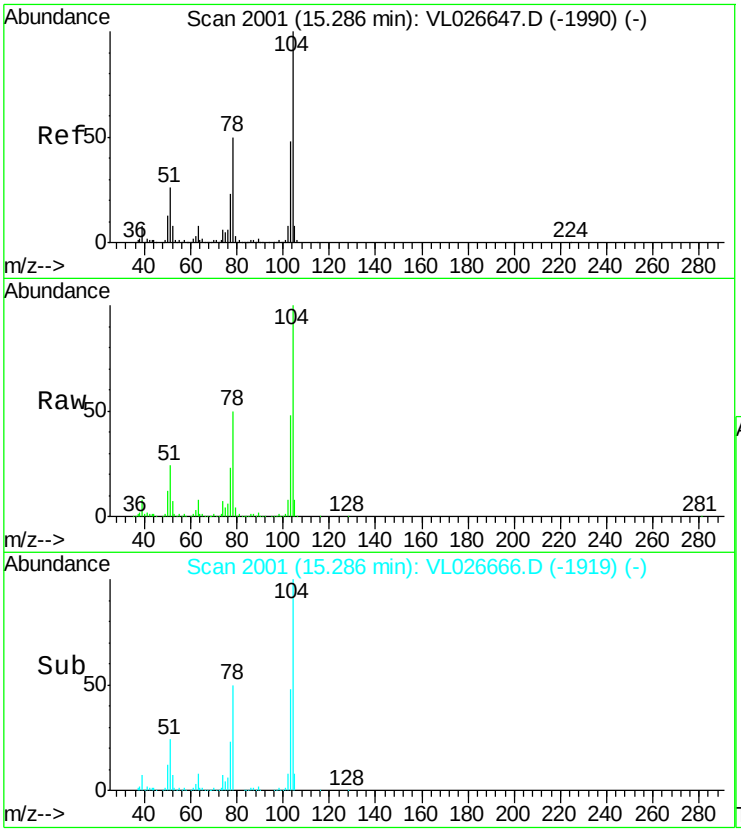


#60
o-Xylene
Concen: 7.67 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 91 Resp: 4314419

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.5	64.5



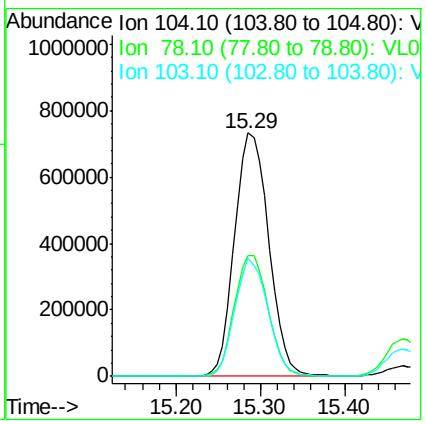


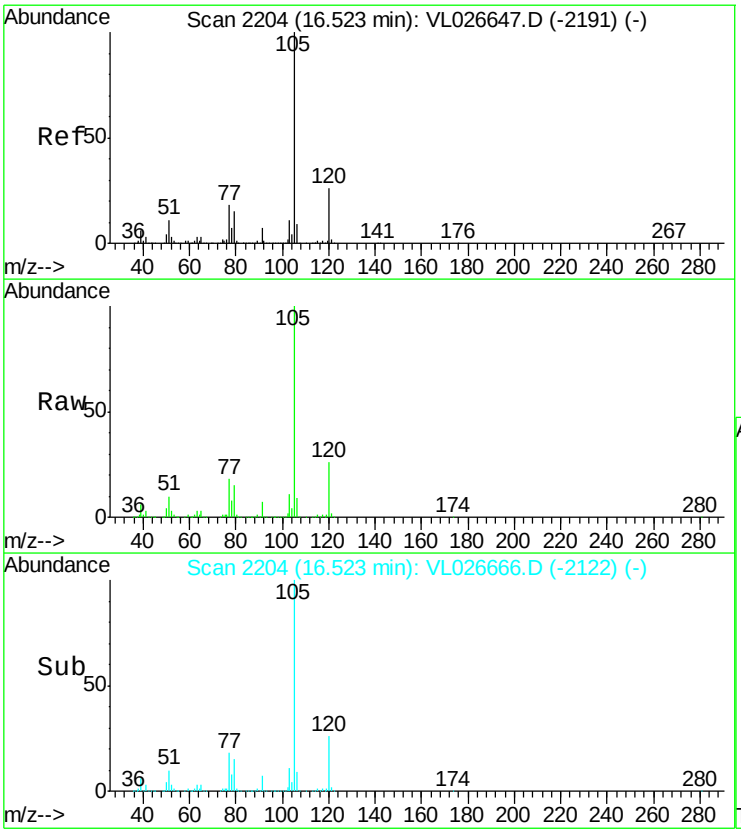
#61
Stvrene
Concen: 9.19 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2020404

Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.6	59.4
103	47.0	37.8	56.6

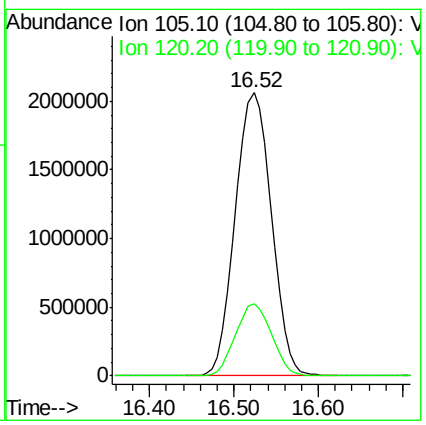


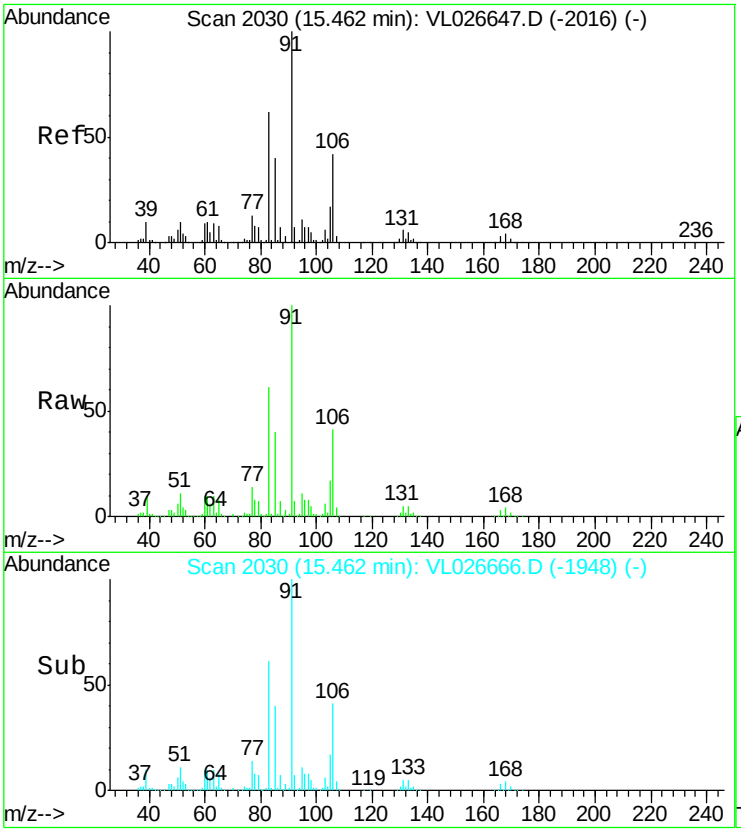


#62
Isopropylbenzene
Concen: 8.09 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:105 Resp: 6025714

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.3	30.5



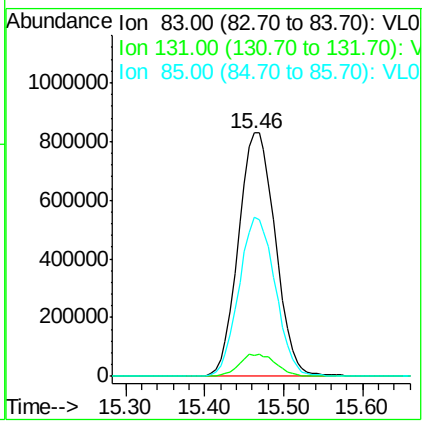


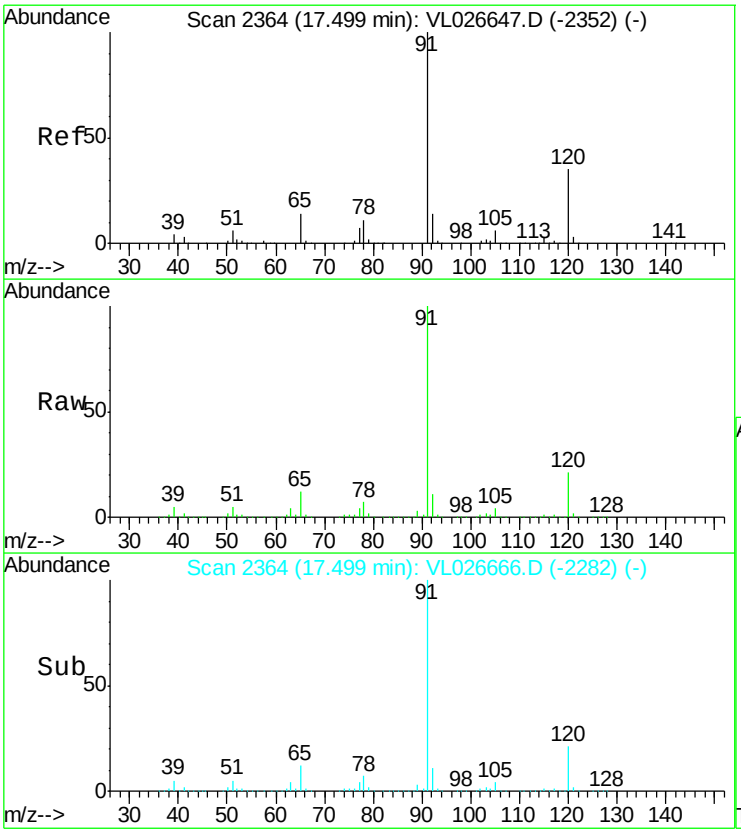
#63
1,1,2,2-Tetrachloroethane
Concen: 6.44 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 83 Resp: 2700935

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.8	32.6	97.7

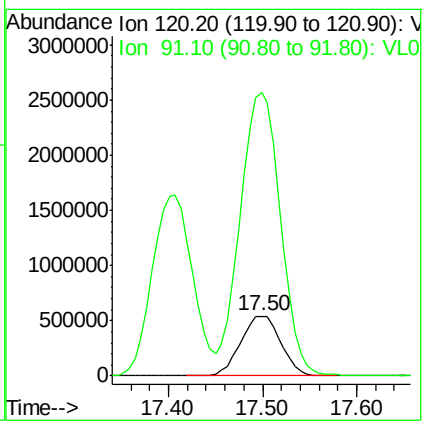


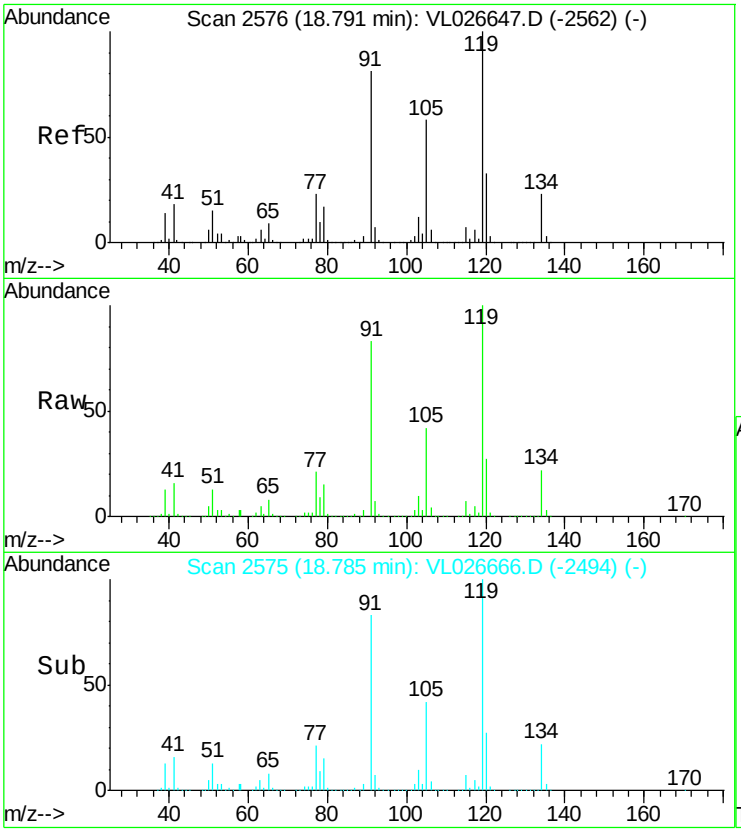


#64
n-propylbenzene
Concen: 8.09 ppbv
RT: 17.50 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:120 Resp: 1616794

Ion	Ratio	Lower	Upper
120	100		
91	469.7	375.8	563.6



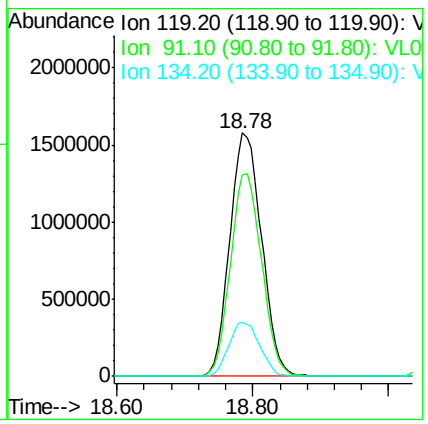


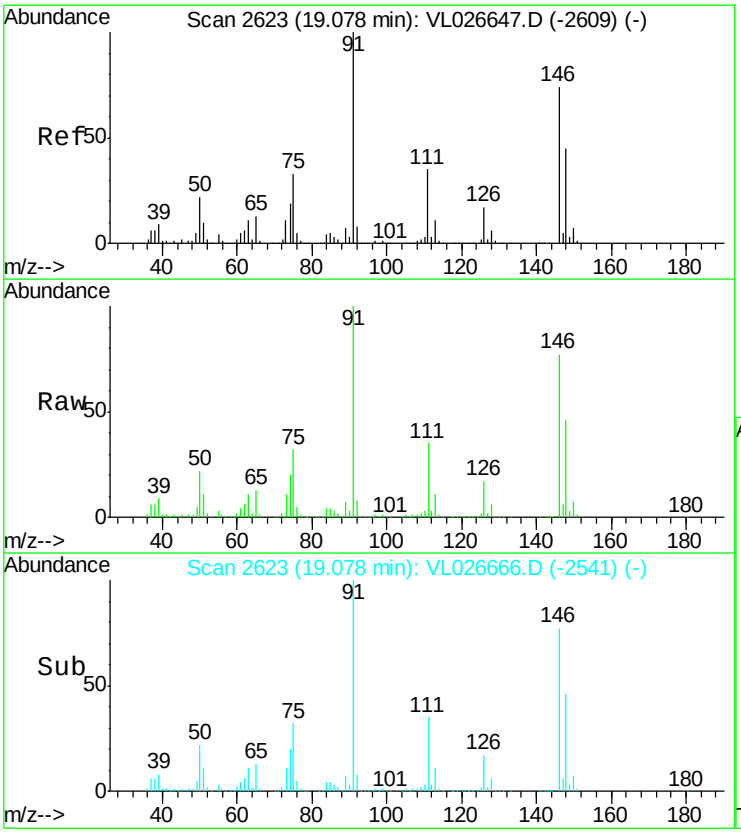
#65
tert-Butylbenzene
Concen: 7.52 ppbv
RT: 18.78 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 5130890

Ion	Ratio	Lower	Upper
119	100		
91	81.5	64.8	97.2
134	21.7	17.4	26.0

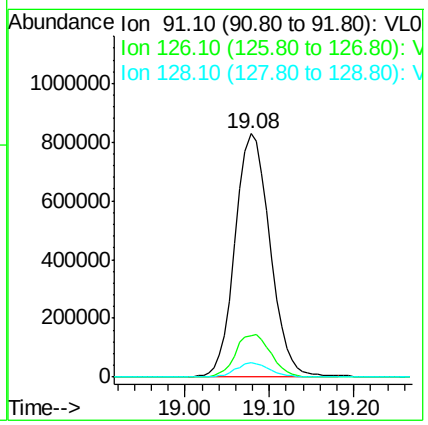


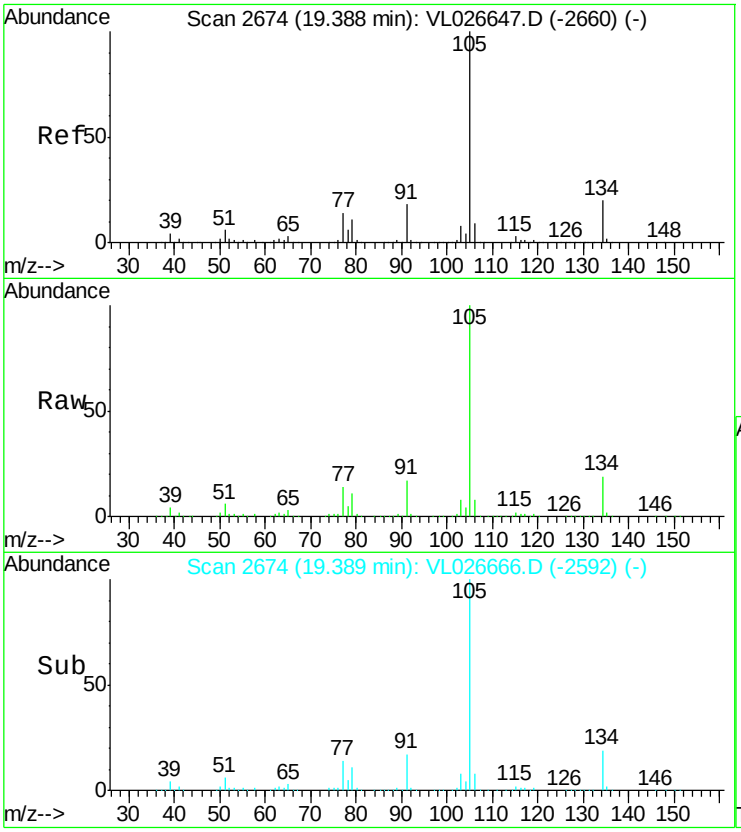


#66
Benzyl Chloride
Concen: 9.55 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 91 Resp: 2327903

Ion	Ratio	Lower	Upper
91	100		
126	17.8	14.2	21.2
128	5.8	4.5	6.7



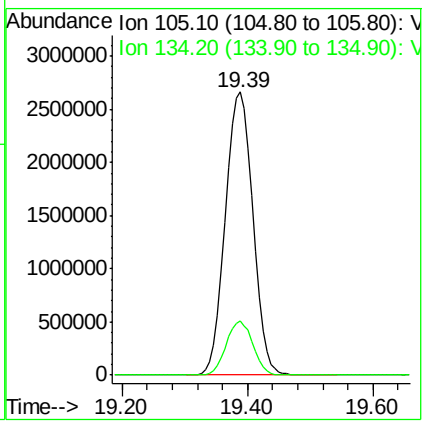


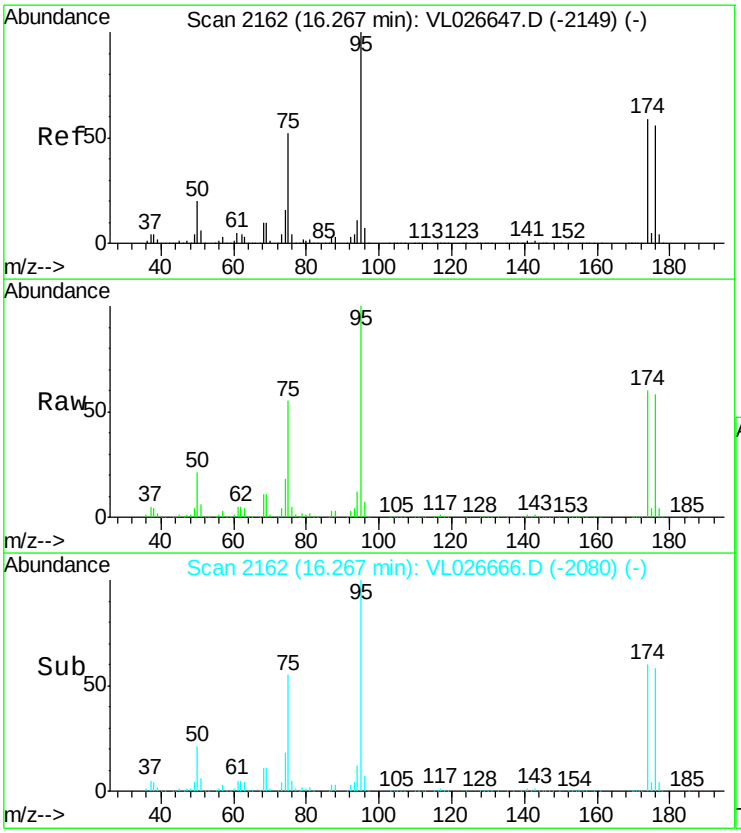
#67
sec-Butylbenzene
Concen: 8.01 ppbv
RT: 19.39 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 8107201

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.9	22.3

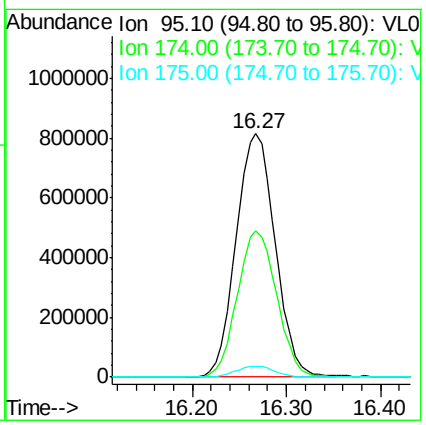


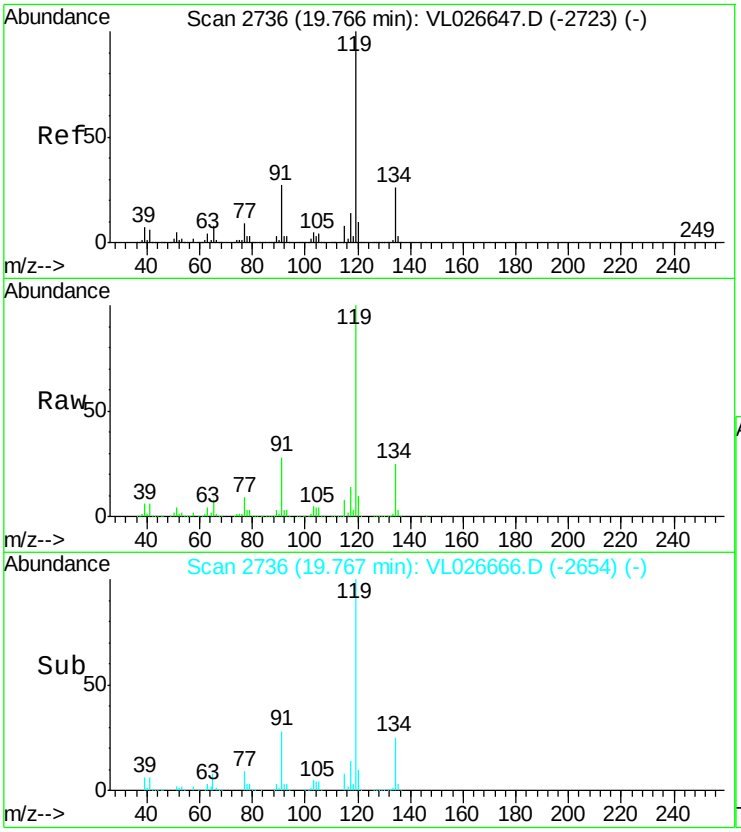


#68
1-Bromo-4-Fluorobenzene
Concen: 8.40 ppbv
RT: 16.27 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 95 Resp: 2369185

Ion	Ratio	Lower	Upper
95	100		
174	60.8	47.8	71.8
175	4.4	3.6	5.4



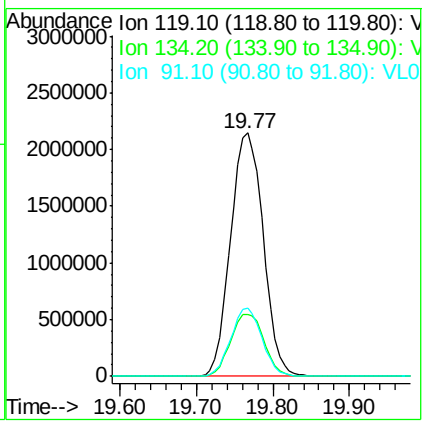


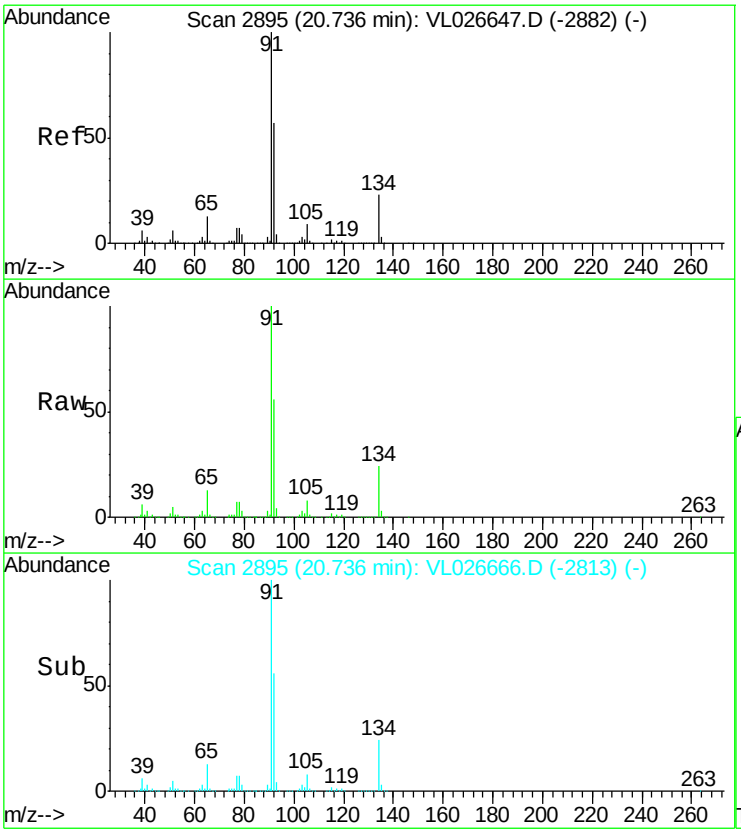
#69
p-Isopropyltoluene
Concen: 8.21 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 6360868

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.6	31.0
91	26.7	21.7	32.5

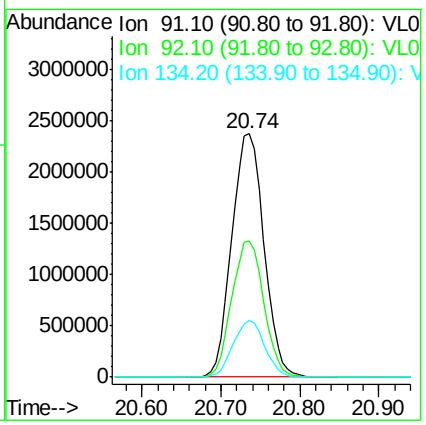


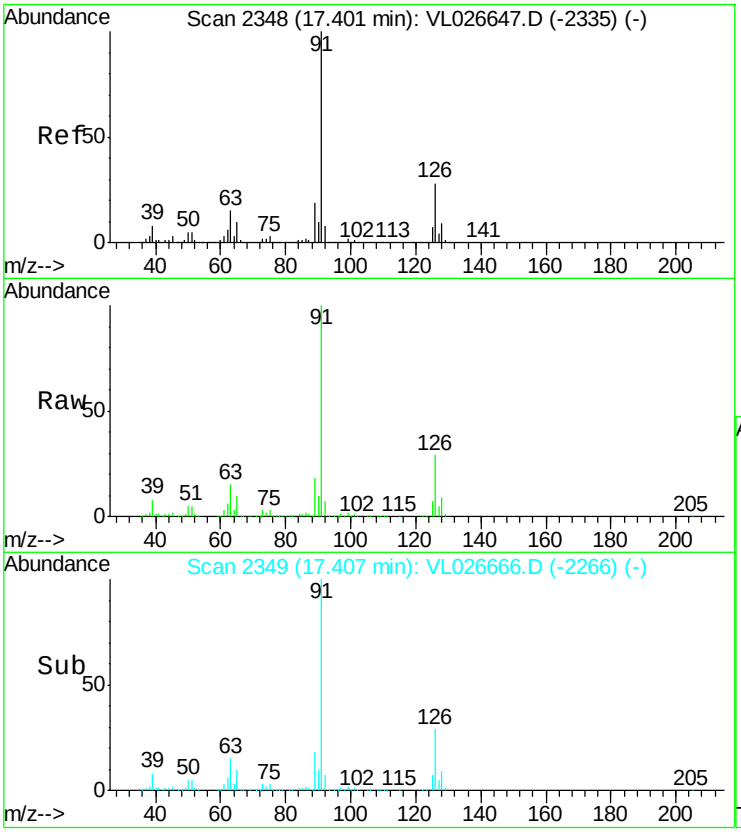


#70
n-Butylbenzene
Concen: 8.36 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion: 91 Resp: 6739964

Ion	Ratio	Lower	Upper
91	100		
92	55.7	45.0	67.4
134	22.9	18.2	27.2



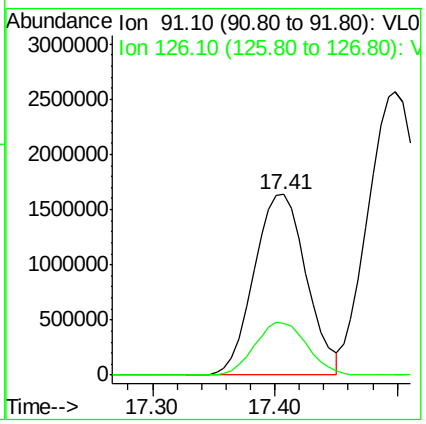


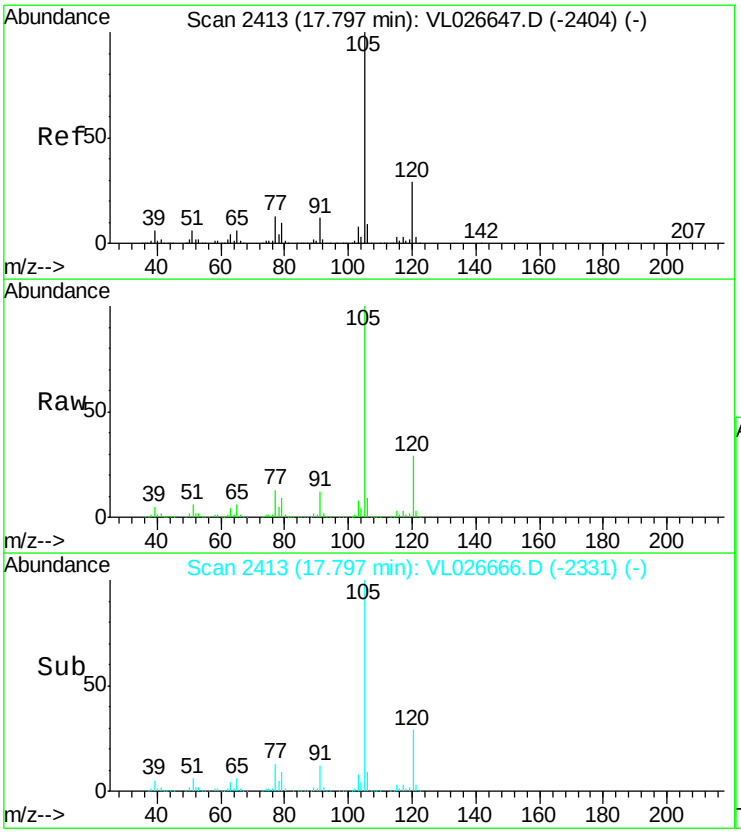
#71
2-Chlorotoluene
Concen: 8.44 ppbv
RT: 17.41 min Scan# 2349
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 4896635

Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.4	45.8

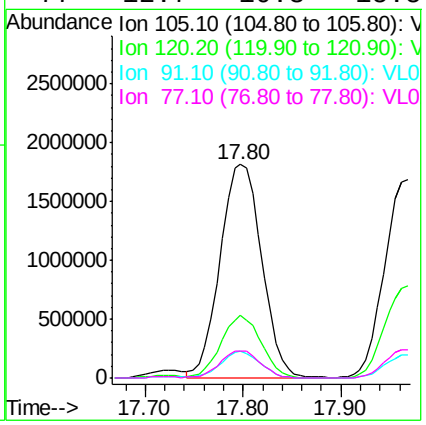


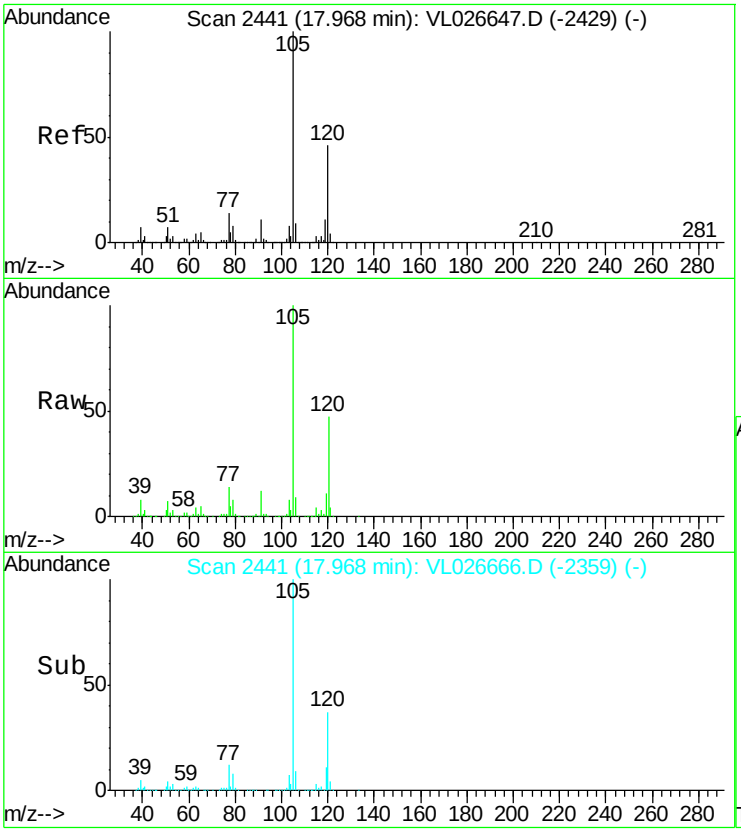


#72
4-Ethyltoluene
Concen: 8.51 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:105 Resp: 5351282

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.7	35.5
91	12.3	9.7	14.5
77	12.7	10.3	15.5



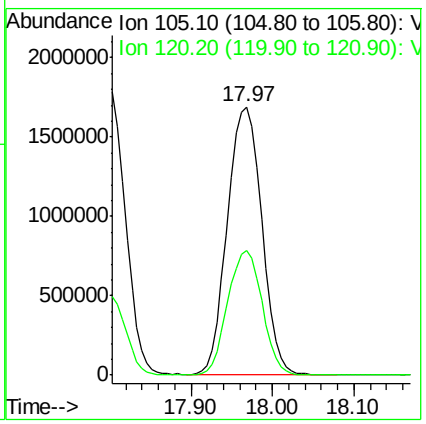


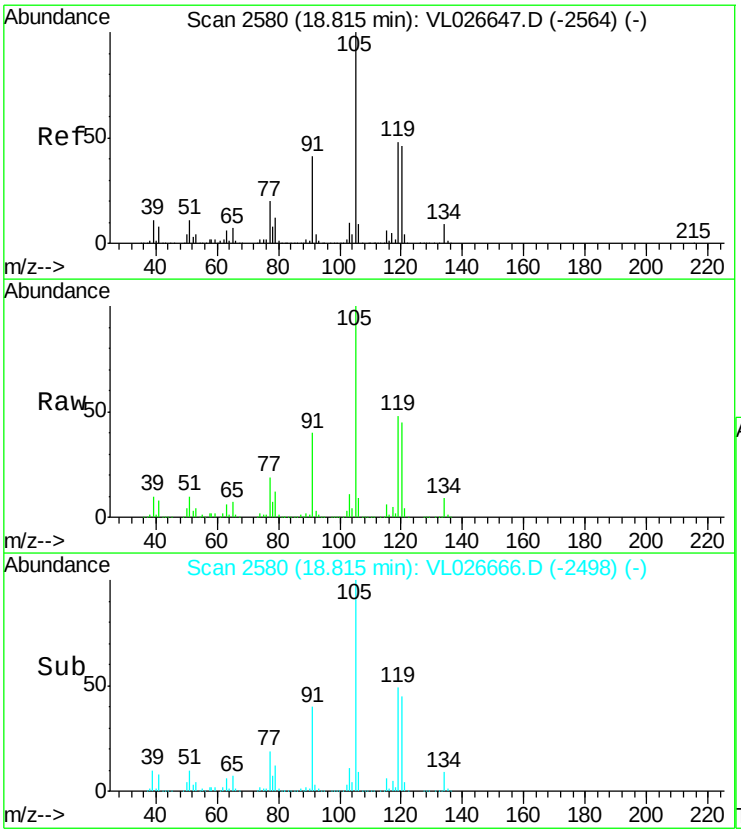
#73
1,3,5-Trimethylbenzene
Concen: 8.30 ppbv
RT: 17.97 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4948078

Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.6	54.8

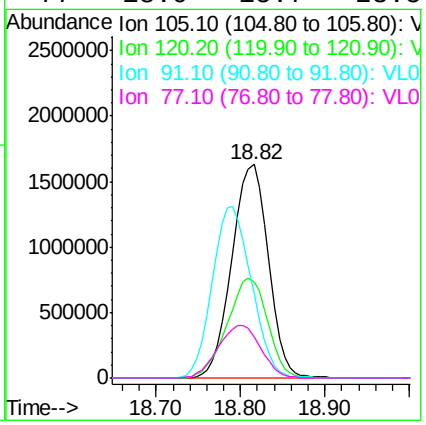


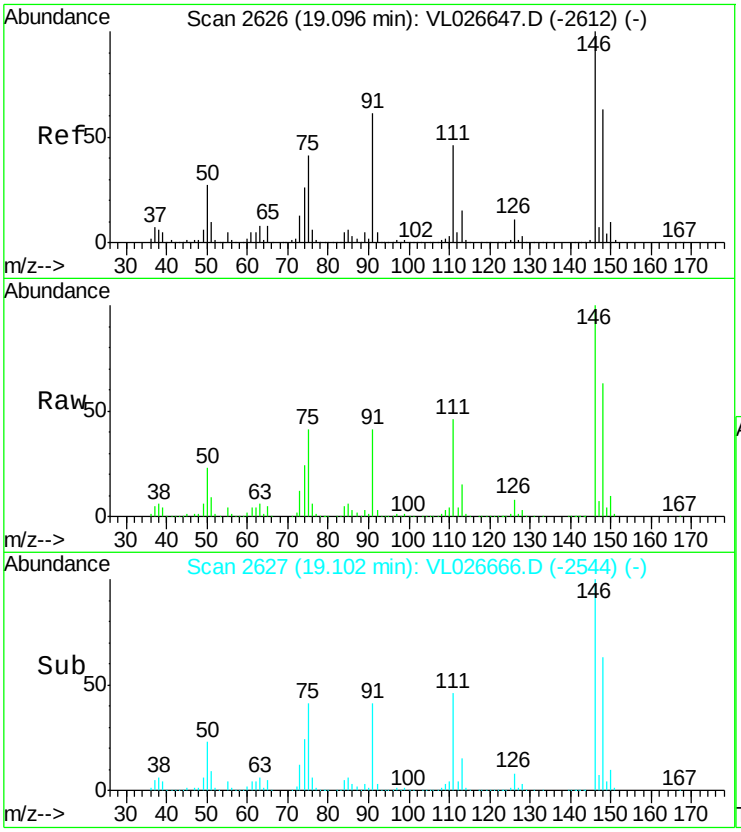


#74
1,2,4-Trimethylbenzene
Concen: 7.57 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:105 Resp: 4791857

Ion	Ratio	Lower	Upper
105	100		
120	45.0	36.6	55.0
91	39.5	32.5	48.7
77	18.9	15.7	23.5



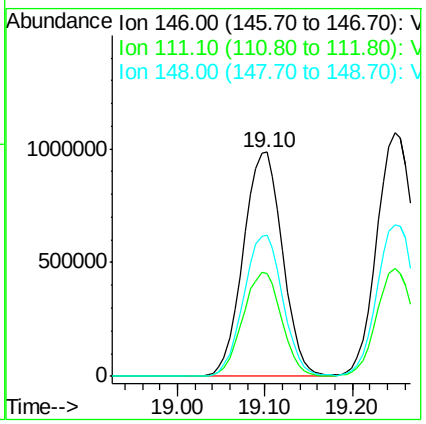


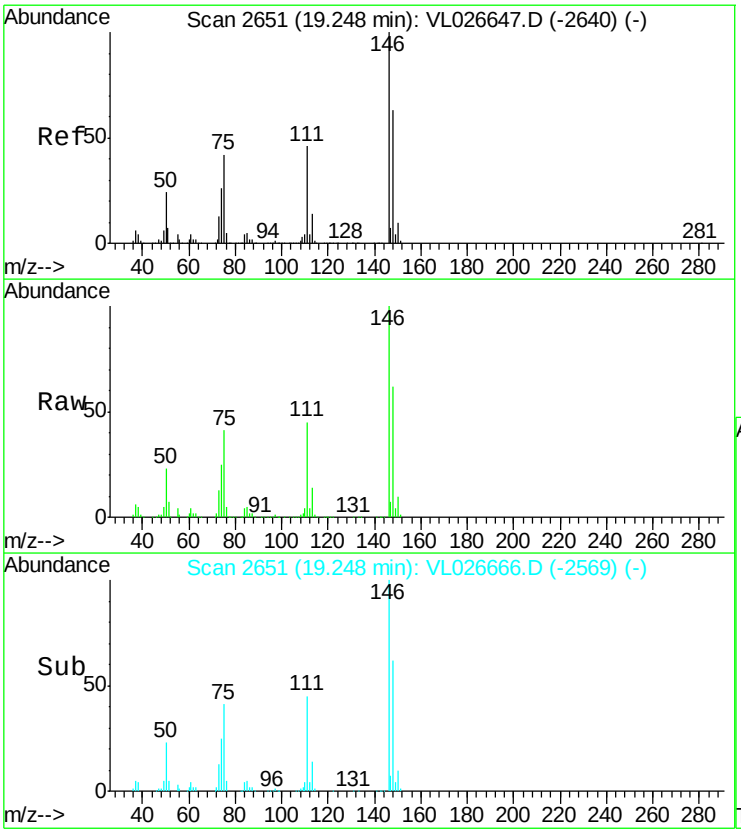
#75
1,3-Dichlorobenzene
Concen: 7.86 ppbv
RT: 19.10 min Scan# 2627
Delta R.T. 0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 3074076

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.5
148	62.8	31.6	95.0

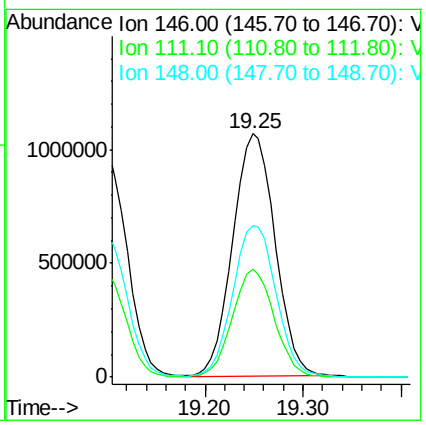


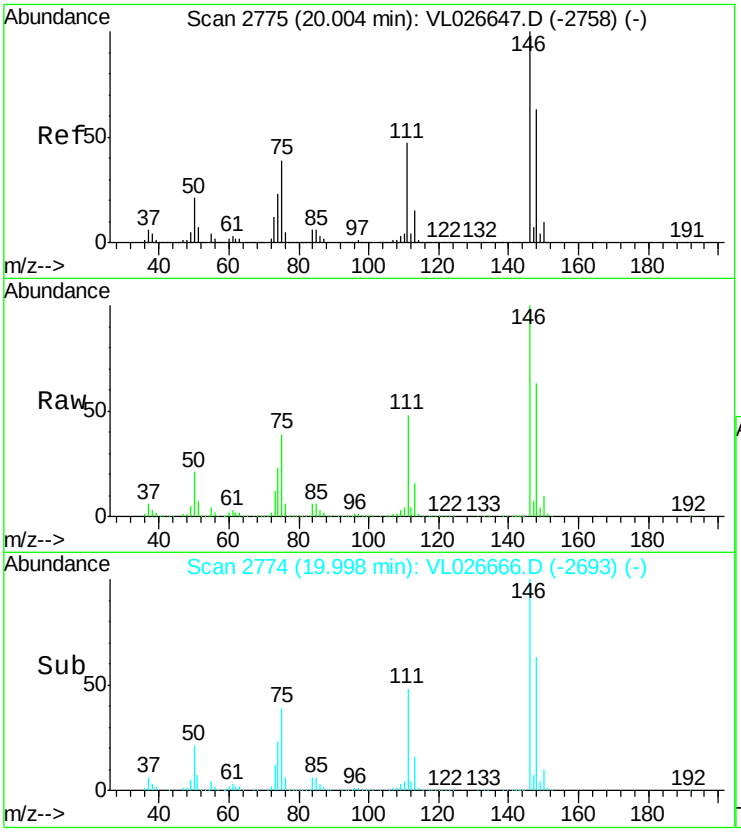


#76
1,4-Dichlorobenzene
Concen: 7.95 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:146 Resp: 3189357

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.8
148	64.4	31.9	95.9



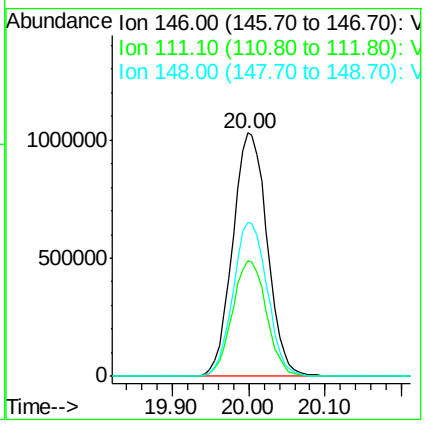


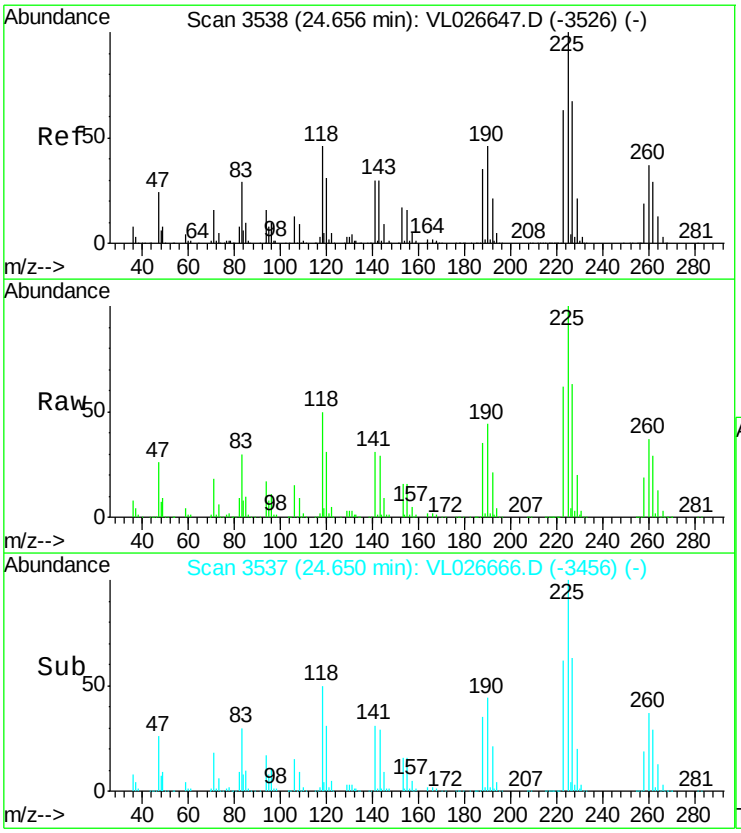
#77
1,2-Dichlorobenzene
Concen: 8.10 ppbv
RT: 20.00 min Scan# 2774
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 3214836

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.7	71.1
148	63.1	31.1	93.5

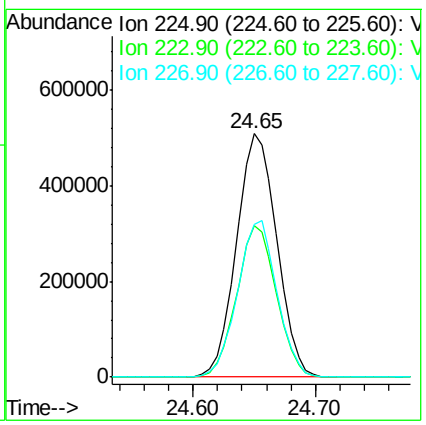


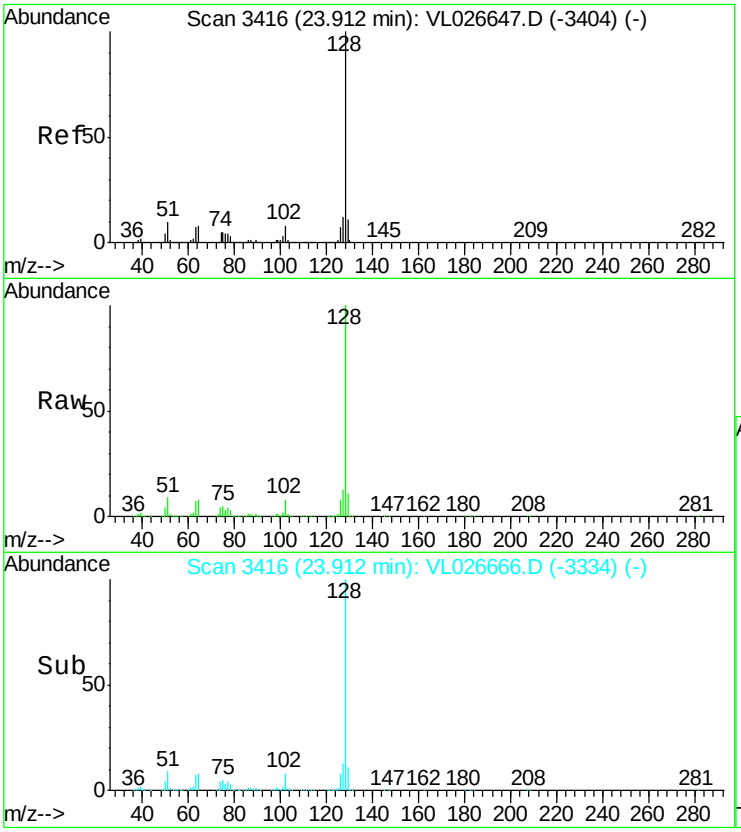


#78
Hexachloro-1,3-Butadiene
Concen: 7.16 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:225 Resp: 1159479

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.1	75.1
227	63.4	51.1	76.7



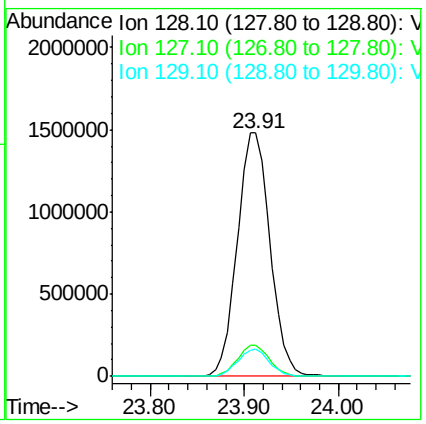


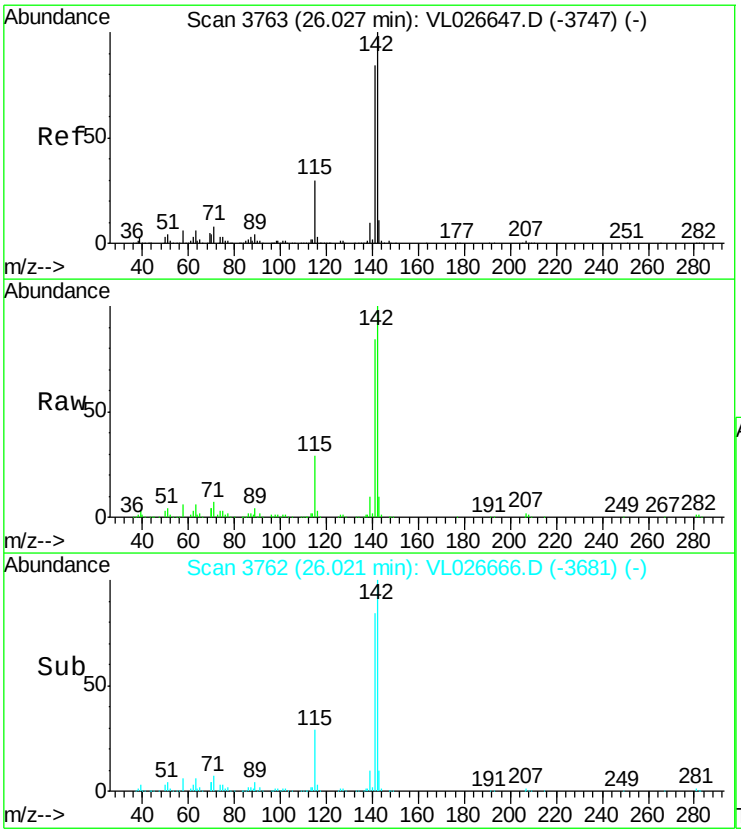
#79
Naphthalene
Concen: 8.47 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3618818

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.1	8.9	13.3

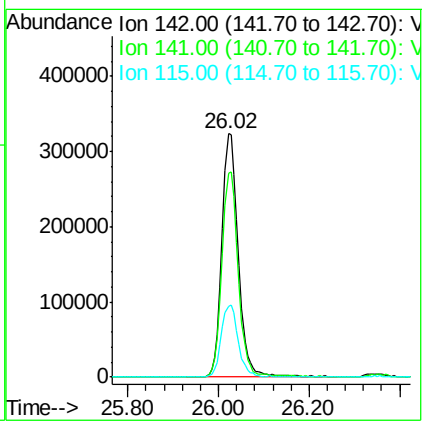


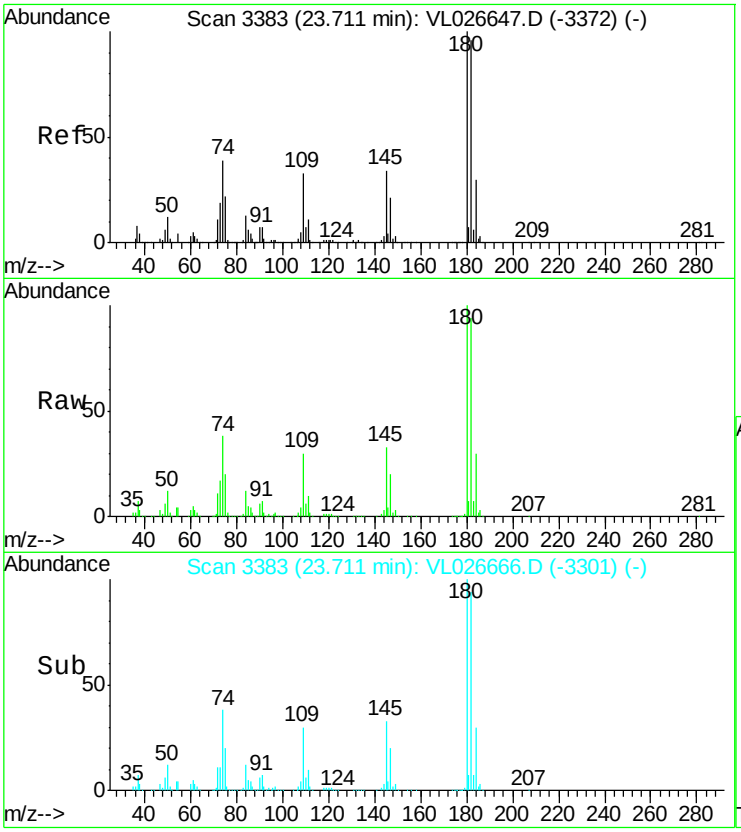


#80
Naphthalene,2-methyl-
Concen: 12.31 ppbv
RT: 26.02 min Scan# 3762
Delta R.T. -0.01 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Tgt Ion:142 Resp: 816268

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.0	100.6
115	31.4	24.7	37.1





#81
1,2,4-Trichlorobenzene
Concen: 8.14 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL026666.D
Acq: 9 Jan 2016 8:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1583328

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.4	113.0
184	30.4	24.1	36.1