Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026647.D
Acq On : 8 Jan 2016 15:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 08 22:12:45 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 08 22:06:23 2016
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	917540	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2719316	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	4236184	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2796800	8.19	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.63	85	2440530	10.00	ppbv	100
3) Chlorodifluoromethane	3.56	51	1159758	10.00	ppbv	100
4) Chloromethane	3.74	50	599001	10.00	ppbv	100
5) Vinyl Chloride	3.87	62	675752	10.00	ppbv	100
6) Bromomethane	4.13	94	505924	10.00	ppbv	100
7) Chloroethane	4.23	64	302329	10.00	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	1861865	10.00	ppbv	100
9) Propene	3.58	41	443344	10.00	ppbv	100
10) Heptane	9.34	43	1610153	10.00	ppbv	100
11) Trichlorofluoromethane	4.68	101	2427839	10.00	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1484992	10.00	ppbv	100
13) Ethanol	4.31	45	93619	10.00	ppbv	100
14) Bromoethene	4.44	108	561022	10.00	ppbv	100
15) Acetone	4.59	43	1341558	10.00	ppbv	100
16) 1,3-Butadiene	3.96	39	600266	10.00	ppbv	100
17) tert-Butyl alcohol	5.10	59	1245974	10.00	ppbv	99
18) 1,1-Dichloroethene	5.07	96	639267	10.00	ppbv	100
19) Isopropyl Alcohol	4.73	45	733495	10.00	ppbv	100
20) Methylene Chloride	5.14	84	581917	10.00	ppbv	100
21) Allyl Chloride	5.21	41	925916	10.00	ppbv	100
22) trans-1,2-Dichloroethene	5.75	96	735546	10.00	ppbv	100
23) Vinyl Acetate	5.96	43	2423194	10.00	ppbv	100
24) 1,1-Dichloroethane	5.89	63	1625788	10.00	ppbv	100
25) Ethyl Acetate	6.65	43	2349073	10.00	ppbv	100
26) Hexane	6.64	57	1175201	10.00	ppbv	100
27) Carbon Disulfide	5.37	76	1866172	10.00	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	2420520	10.00	ppbv	100
29) Chloroform	6.73	83	2092157	10.00	ppbv	100
30) Cyclohexane	8.26	84	1199612	10.00	ppbv	100
31) cis-1,2-Dichloroethene	6.50	61	1248397	10.00	ppbv	100
32) 1,1,1-Trichloroethane	7.58	97	2258032	10.00	ppbv	100
34) 2-Butanone	6.18	43	1424844	10.00	ppbv	100
35) Carbon Tetrachloride	8.14	117	2240260	10.00	ppbv	100
36) Benzene	8.01	78	2745869	10.00	ppbv	100
37) 1,2-Dichloroethane	7.35	62	1871417	10.00	ppbv	100
38) Trichloroethene	9.04	130	1066765	10.00	ppbv	100
39) 1,2-Dichloropropane	8.81	63	949816	10.00	ppbv	100
40) 1,4-Dioxane	9.10	88	301186	10.00	ppbv	100
41) Tetrahydrofuran	7.10	42	755734	10.00	ppbv	100
42) Bromodichloromethane	9.01	83	2436794	10.00	ppbv	100
43) Methyl Methacrylate	9.24	69	1082504	10.00	ppbv	100

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026647.D
Acq On : 8 Jan 2016 15:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 08 22:12:45 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 08 22:06:23 2016
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	4306519	10.00	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	1863419	10.00	ppbv	100
46) cis-1,3-Dichloropropene	10.00	75	2017330	10.00	ppbv	100
47) 1,1,2-Trichloroethane	10.86	97	1321925	10.00	ppbv	100
48) Dibromochloromethane	11.78	129	2095386	10.00	ppbv	100
49) Bromoform	14.80	173	1751468	10.00	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	2106920	10.00	ppbv	100
51) 2-Hexanone	11.59	43	2057028	10.00	ppbv	100
52) Tetrachloroethene	12.77	164	1201407	10.00	ppbv	100
53) Toluene	11.22	91	3916986	10.00	ppbv	100
54) 1,2-Dibromoethane	12.12	107	2083715	10.00	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.77	131	1531527	8.19	ppbv	100
57) Chlorobenzene	13.79	112	3238048	8.19	ppbv	100
58) Ethyl Benzene	14.39	91	6189581	8.19	ppbv	100
59) m/p-Xylene	14.70	91	9602433	16.38	ppbv	100
60) o-Xylene	15.47	91	4972456	8.19	ppbv	100
61) Styrene	15.29	104	2366606	8.19	ppbv	100
62) Isopropylbenzene	16.52	105	6924473	8.19	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	3185141	8.19	ppbv	100
64) n-propylbenzene	17.50	120	1835052	8.19	ppbv	98
65) tert-Butylbenzene	18.79	119	5765505	8.19	ppbv	100
66) Benzyl Chloride	19.08	91	2677167	8.19	ppbv	100
67) sec-Butylbenzene	19.39	105	8968229	8.19	ppbv	100
69) p-Isopropyltoluene	19.77	119	7056926	8.19	ppbv	100
70) n-Butylbenzene	20.74	91	7434518	8.19	ppbv	100
71) 2-Chlorotoluene	17.40	91	5634751	8.19	ppbv	100
72) 4-Ethyltoluene	17.80	105	6053110	8.19	ppbv	100
73) 1,3,5-Trimethylbenzene	17.97	105	5562502	8.19	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	5419317	8.19	ppbv	100
75) 1,3-Dichlorobenzene	19.10	146	3376513	8.19	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	3554027	8.19	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	3526427	8.19	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	1406603	8.19	ppbv	100
79) Naphthalene	23.91	128	4242887	8.19	ppbv	100
80) Naphthalene,2-methyl-	26.03	142	1084827	8.20	ppbv	100
81) 1,2,4-Trichlorobenzene	23.71	180	1831194	8.19	ppbv	100

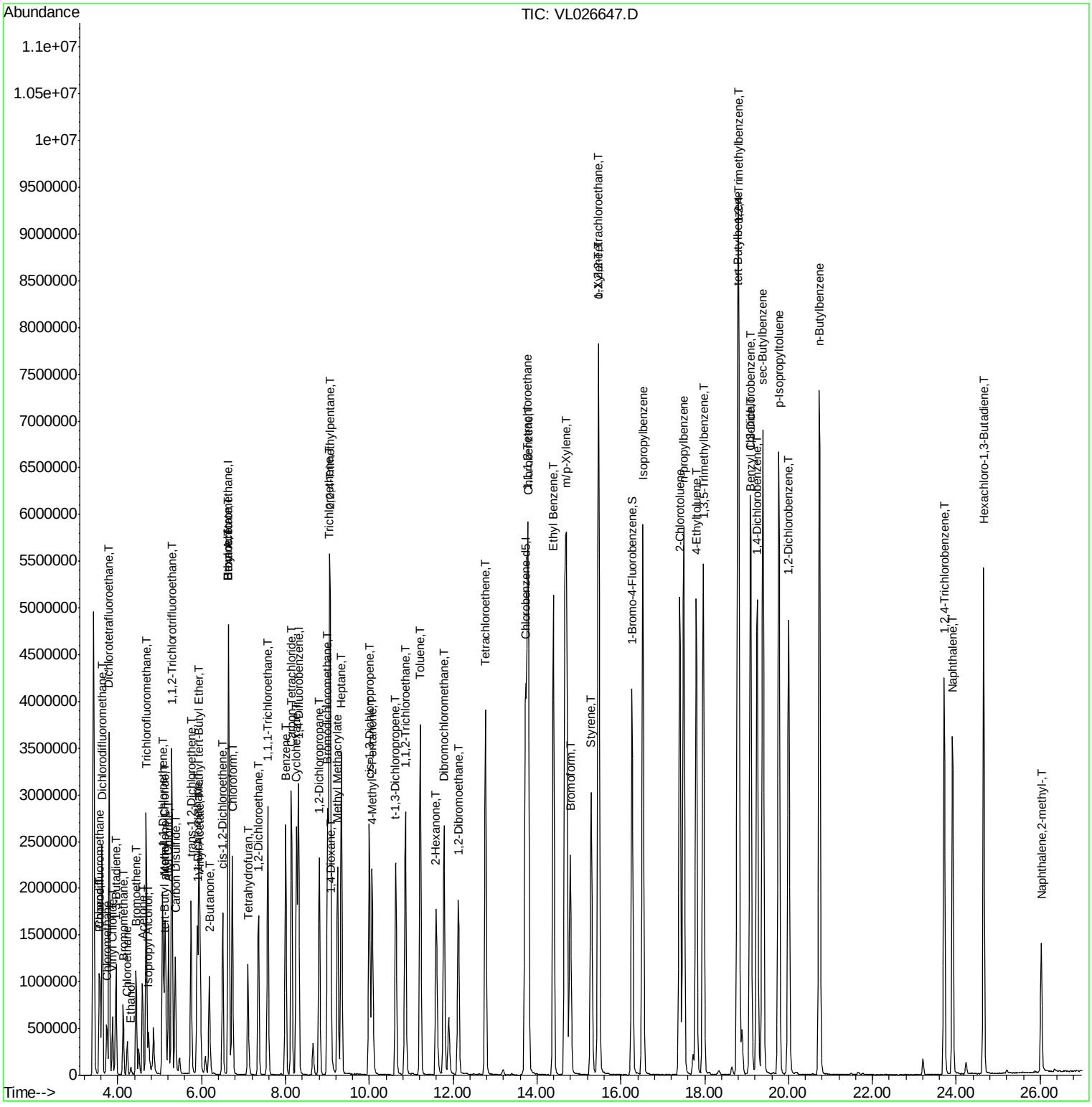
(#) = qualifier out of range (m) = manual integration (+) = signals summed

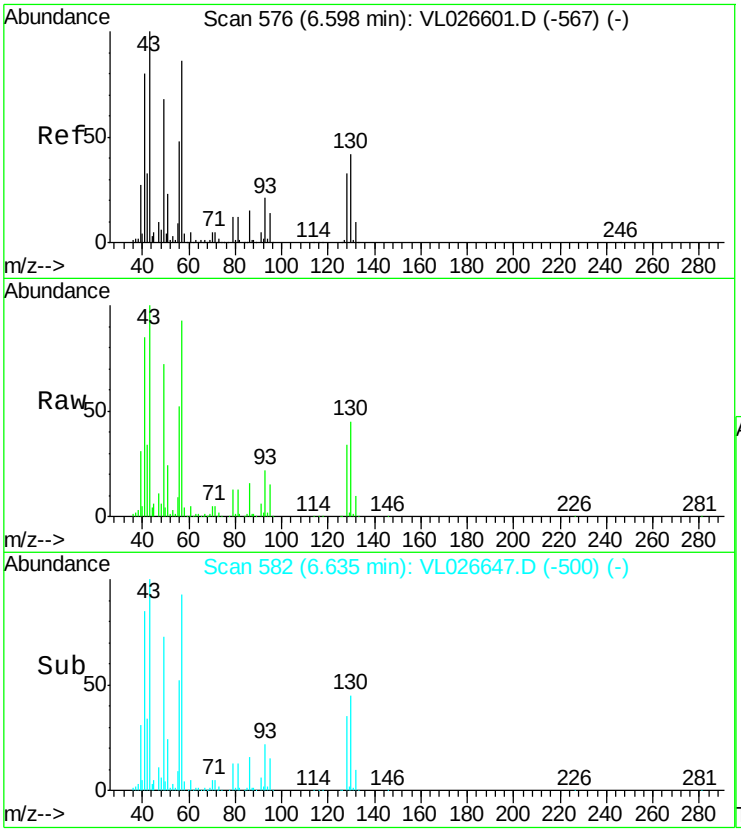
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026647.D
Acq On : 8 Jan 2016 15:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jan 08 22:12:45 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 08 22:06:23 2016
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration



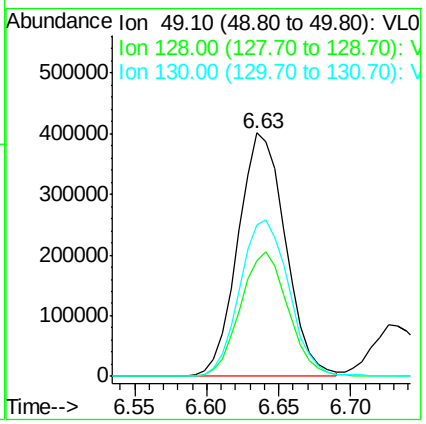


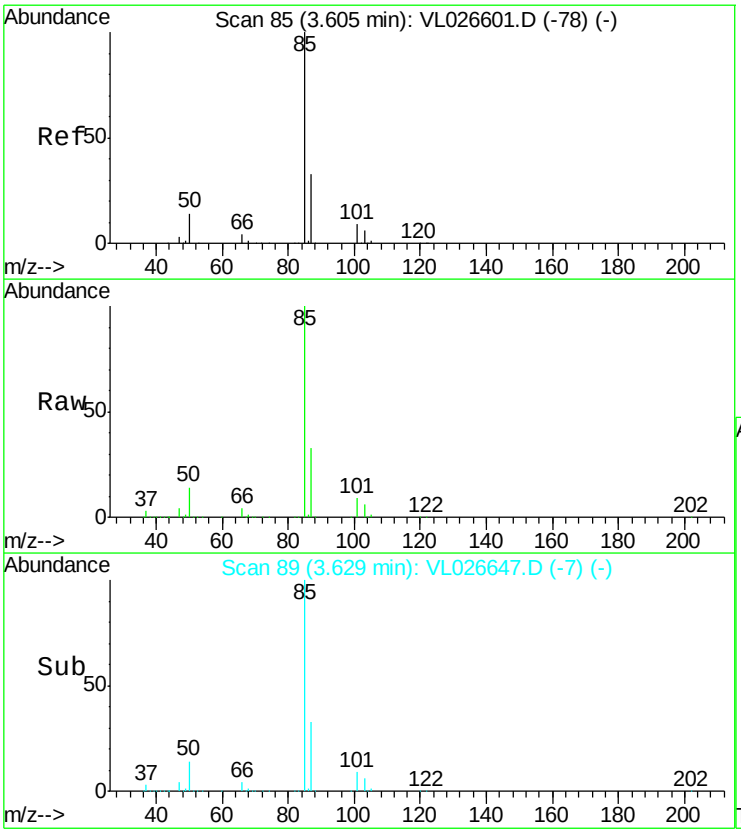
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 917540

Ion	Ratio	Lower	Upper
49	100		
128	51.8	25.9	77.7
130	67.2	33.6	100.8

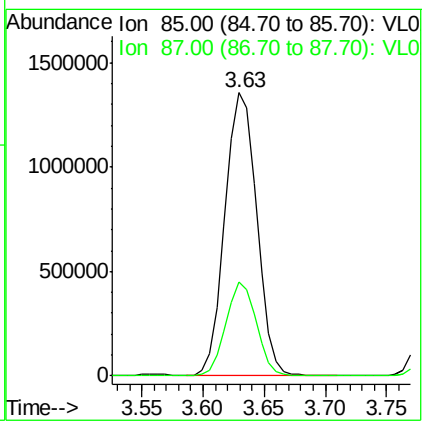


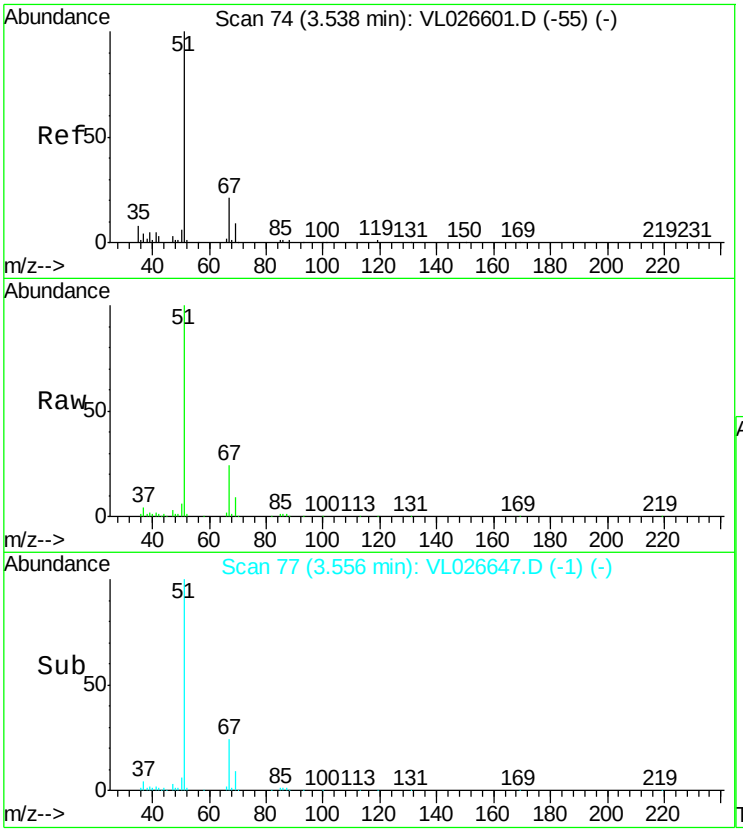


#2
Dichlorodifluoromethane
Concen: 10.00 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 85 Resp: 2440530

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.4	39.6



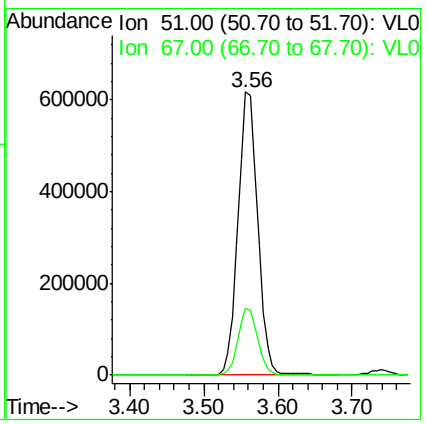


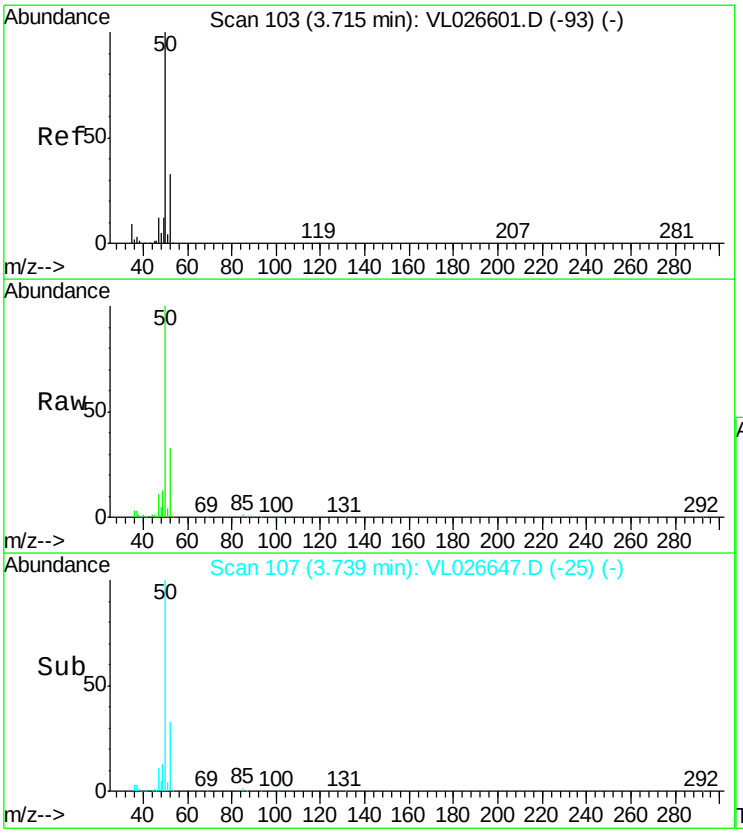
#3
Chlorodifluoromethane
Concen: 10.00 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 51 Resp: 1159758

Ion	Ratio	Lower	Upper
51	100		
67	23.3	18.6	28.0

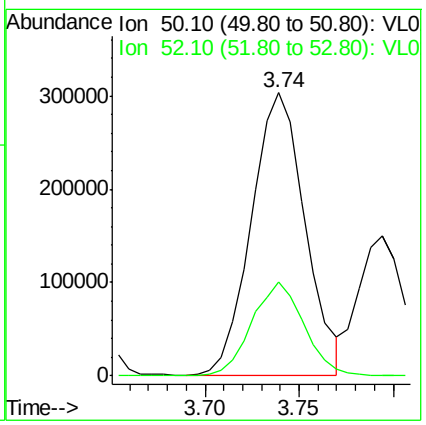


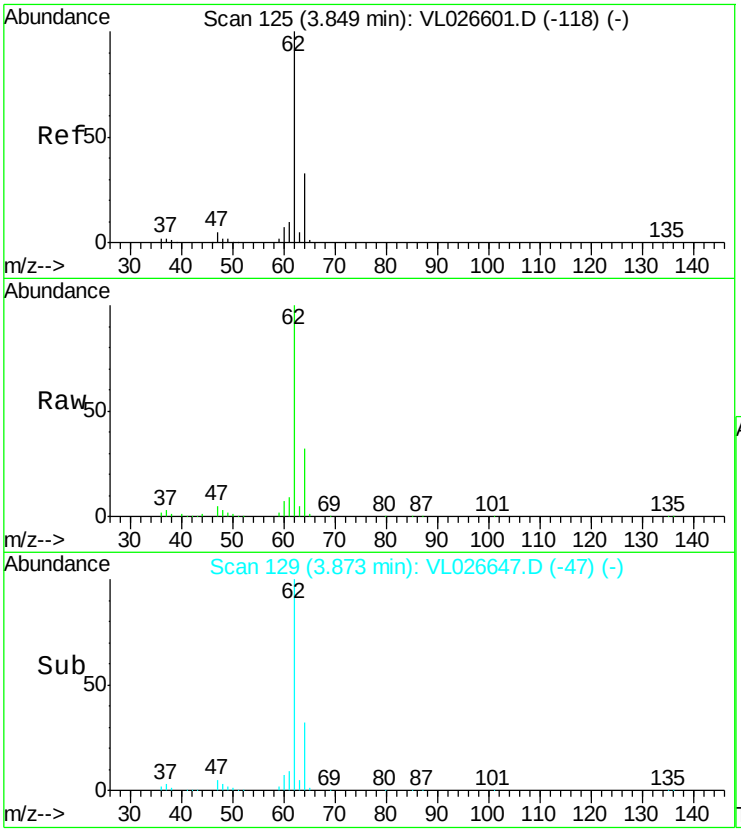


#4
Chloromethane
Concen: 10.00 ppbv
RT: 3.74 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 50 Resp: 599001

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1



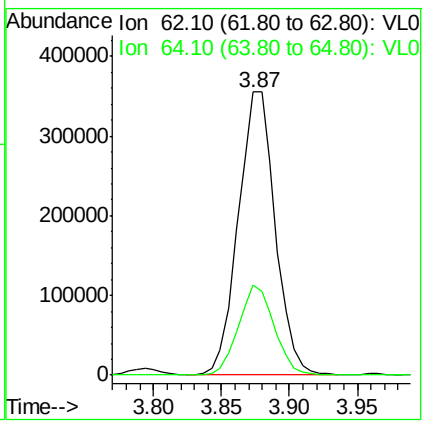


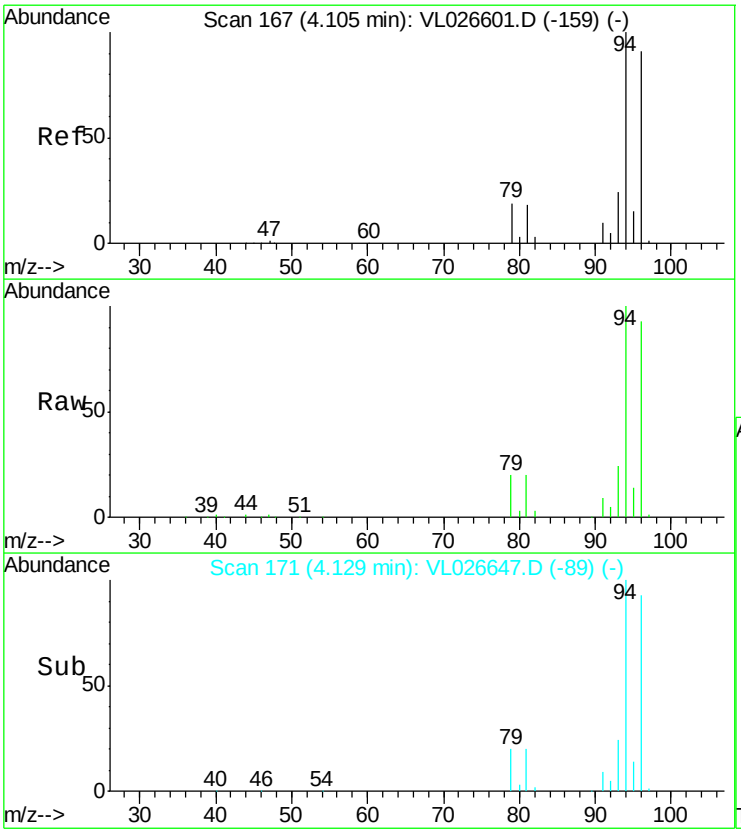
#5
Vinyl Chloride
Concen: 10.00 ppbv
RT: 3.87 min Scan# 129
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 675752

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.6	38.4

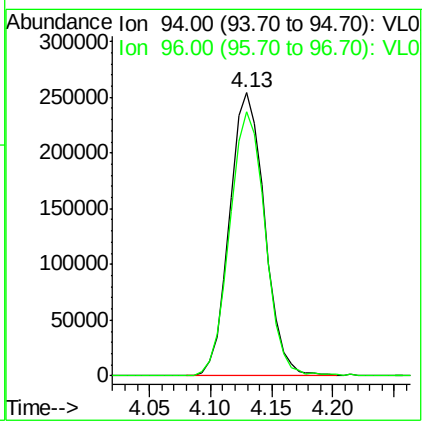


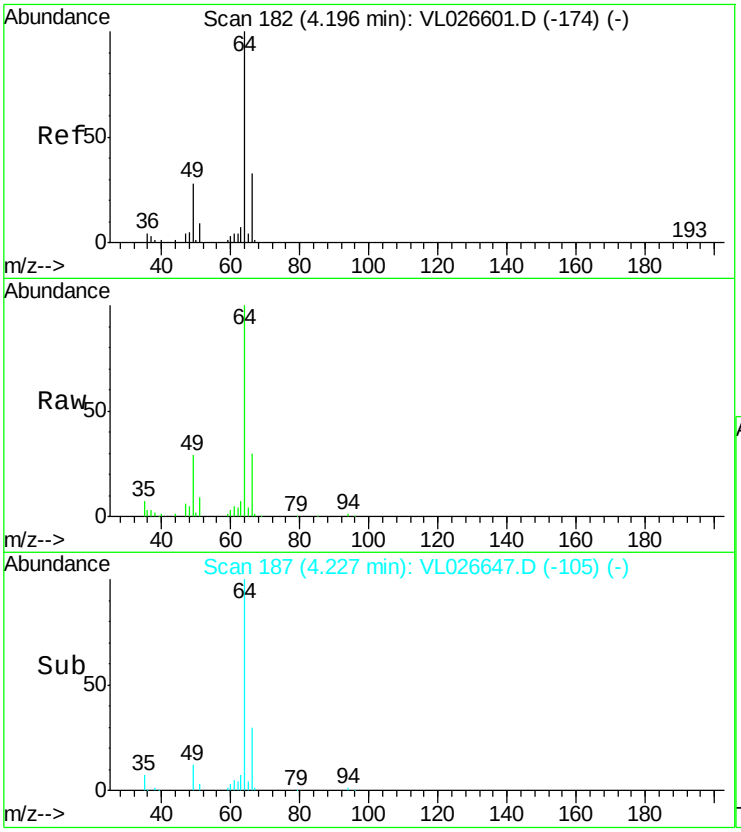


#6
Bromomethane
Concen: 10.00 ppbv
RT: 4.13 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 94 Resp: 505924

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	112.0



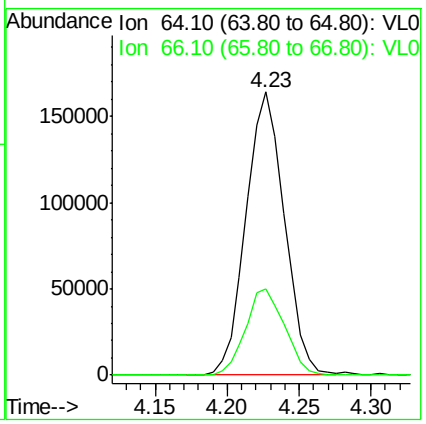


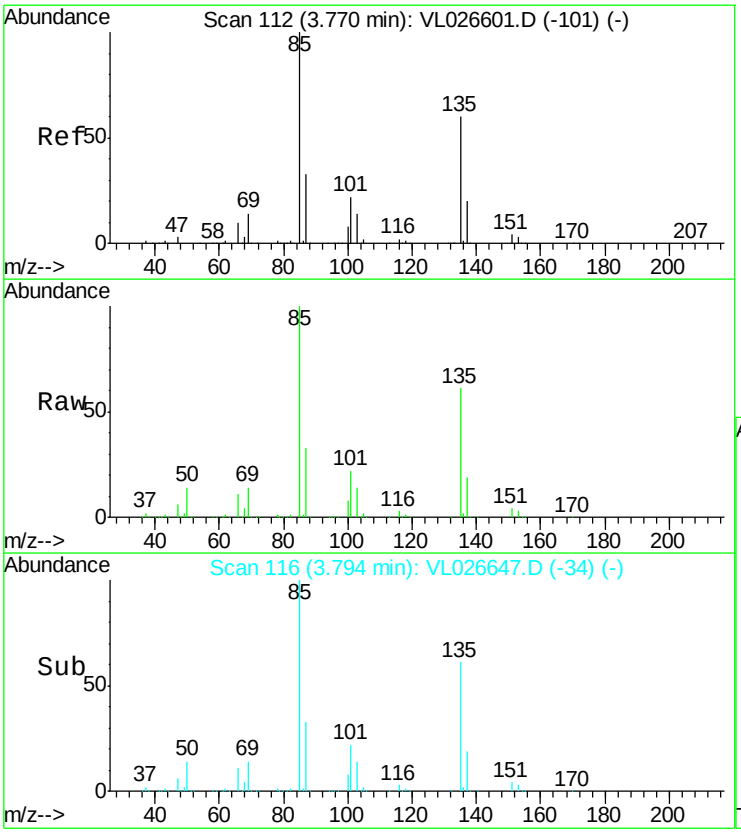
#7
Chloroethane
Concen: 10.00 ppbv
RT: 4.23 min Scan# 187
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 302329

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

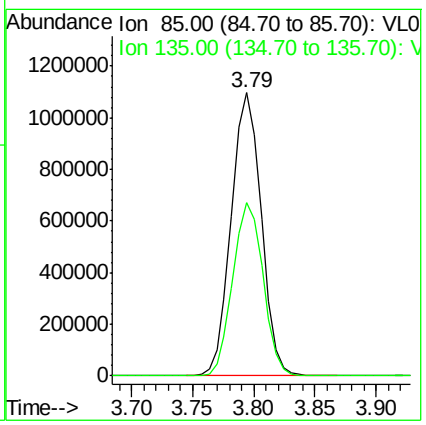


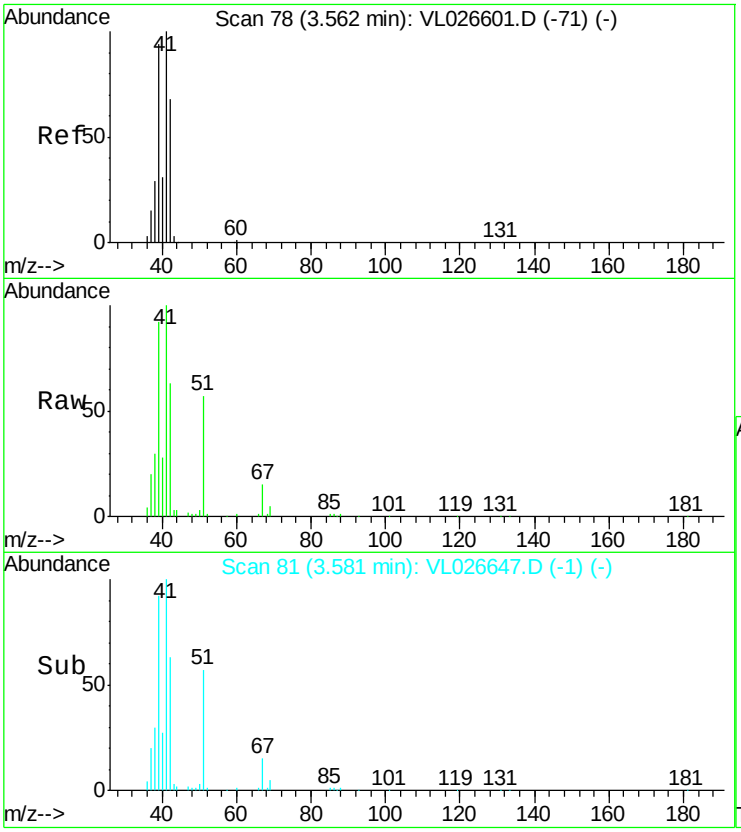


#8
Dichlorotetrafluoroethane
Concen: 10.00 ppbv
RT: 3.79 min Scan# 116
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 85 Resp: 1861865

Ion	Ratio	Lower	Upper
85	100		
135	62.2	49.8	74.6



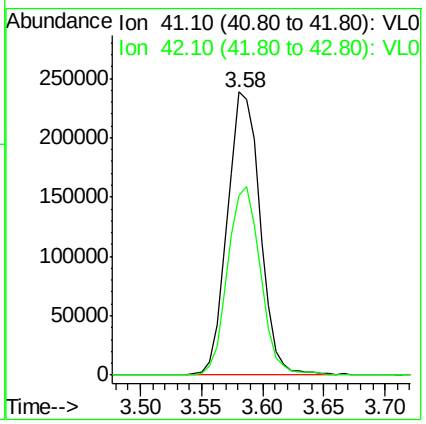


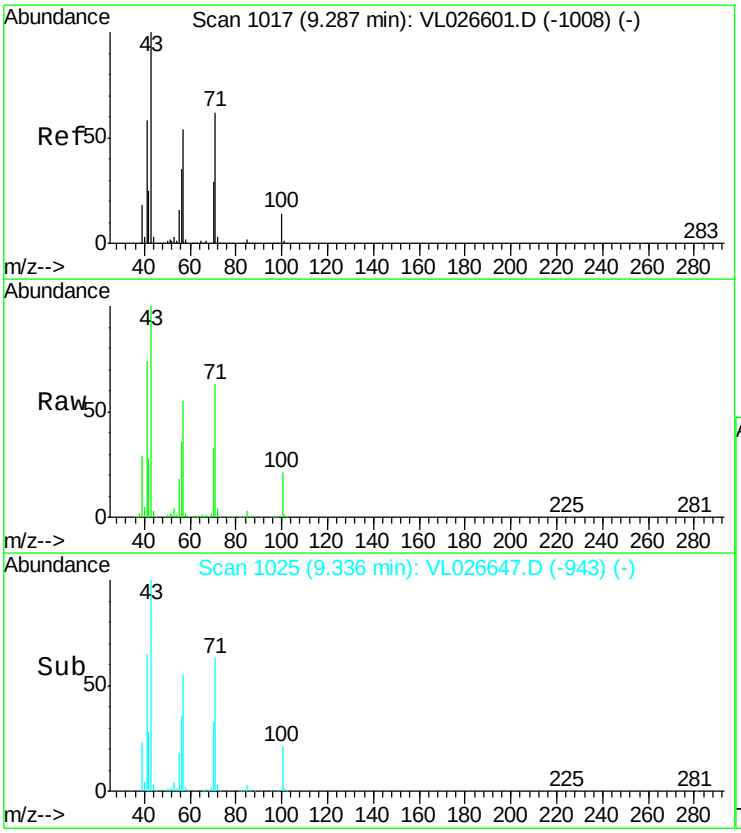
#9
Propene
Concen: 10.00 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 443344

Ion	Ratio	Lower	Upper
41	100		
42	67.0	53.6	80.4

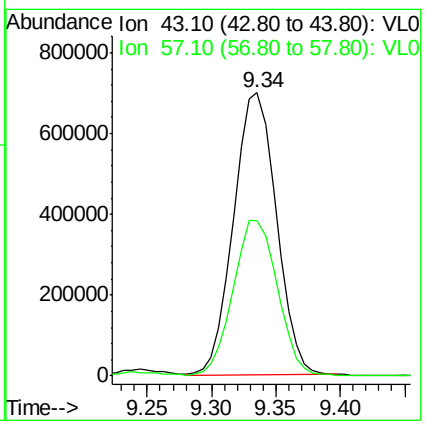


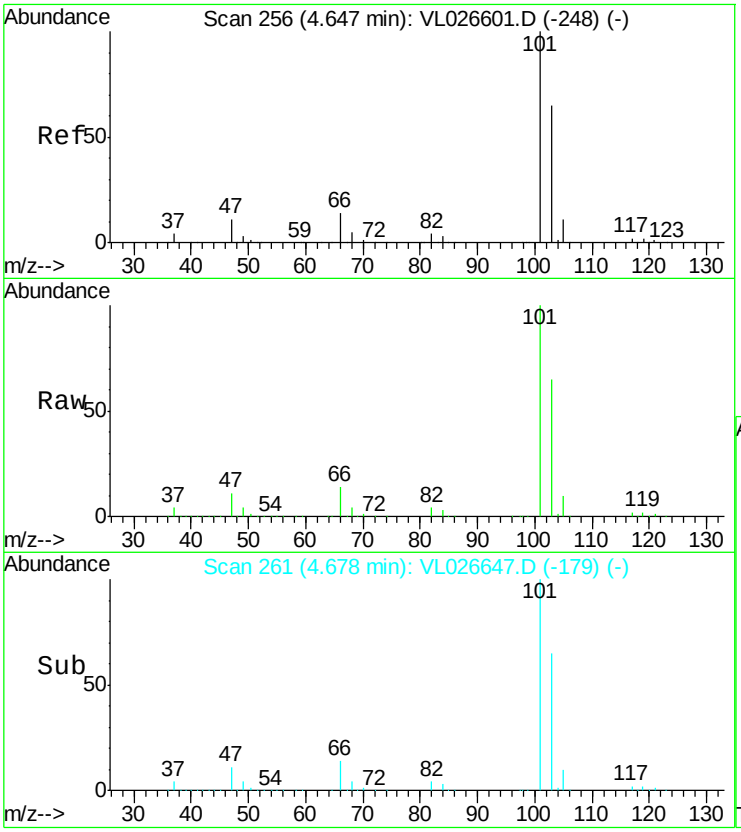


#10
Heptane
Concen: 10.00 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 43 Resp: 1610153

Ion	Ratio	Lower	Upper
43	100		
57	57.2	45.8	68.6



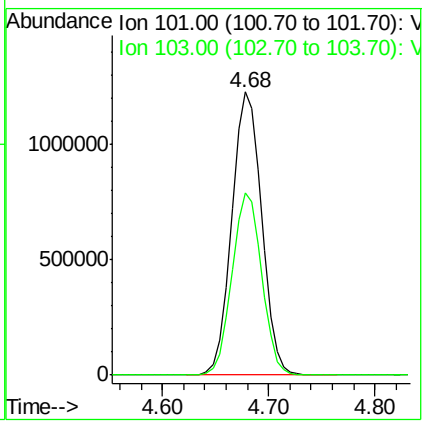


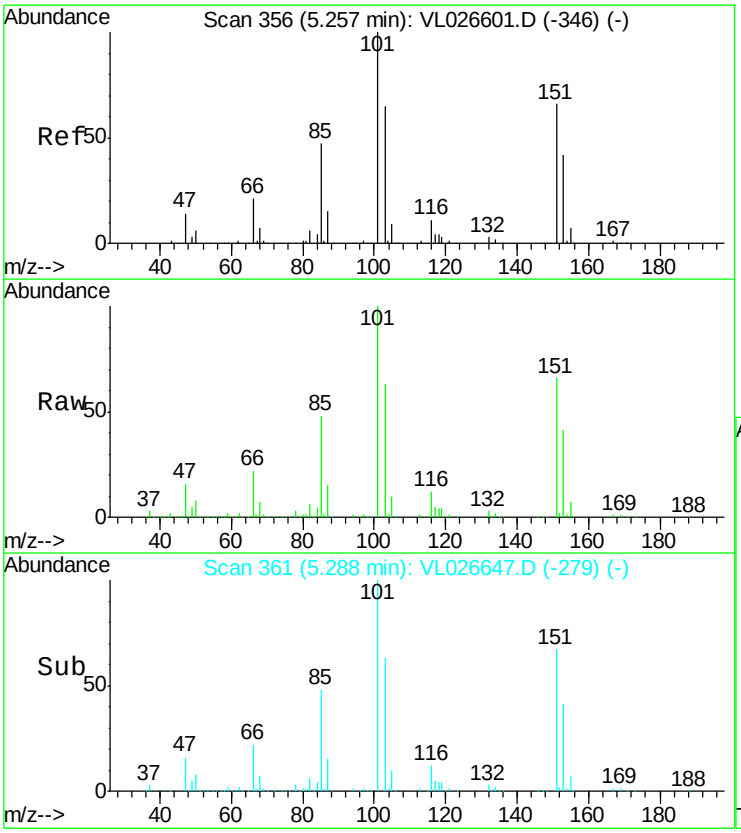
#11
Trichlorofluoromethane
Concen: 10.00 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2427839

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

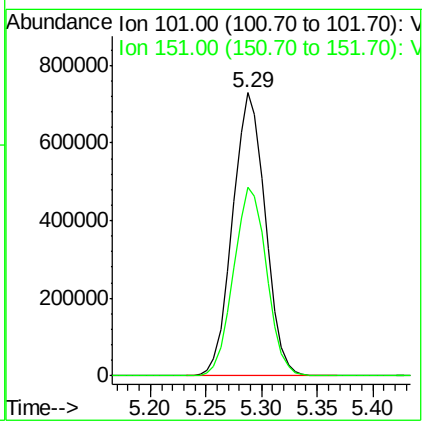


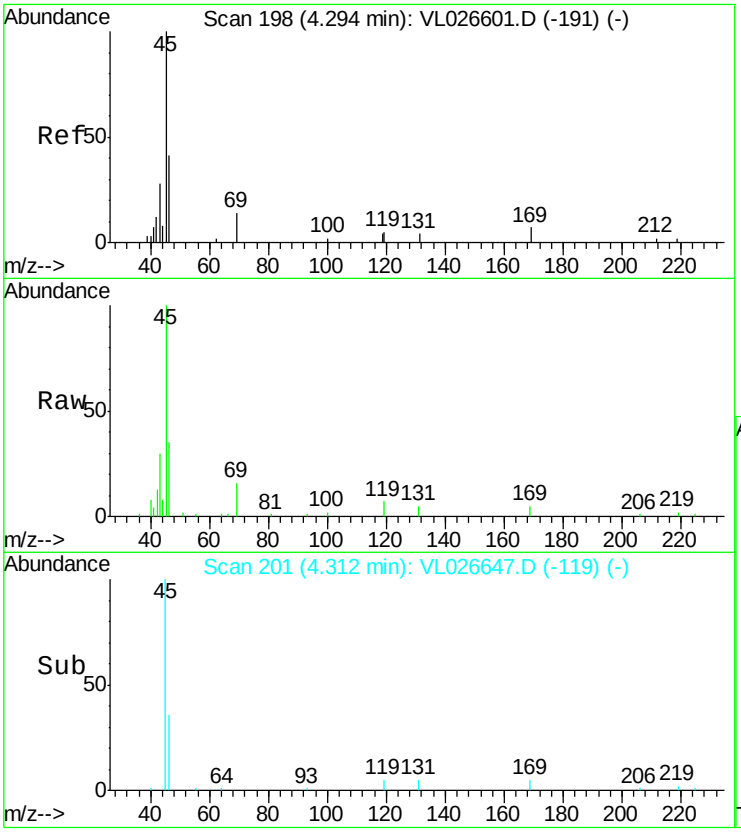


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.00 ppbv
RT: 5.29 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:101 Resp: 1484992

Ion	Ratio	Lower	Upper
101	100		
151	67.8	54.2	81.4



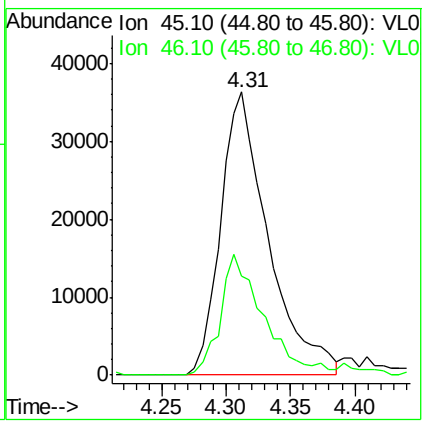


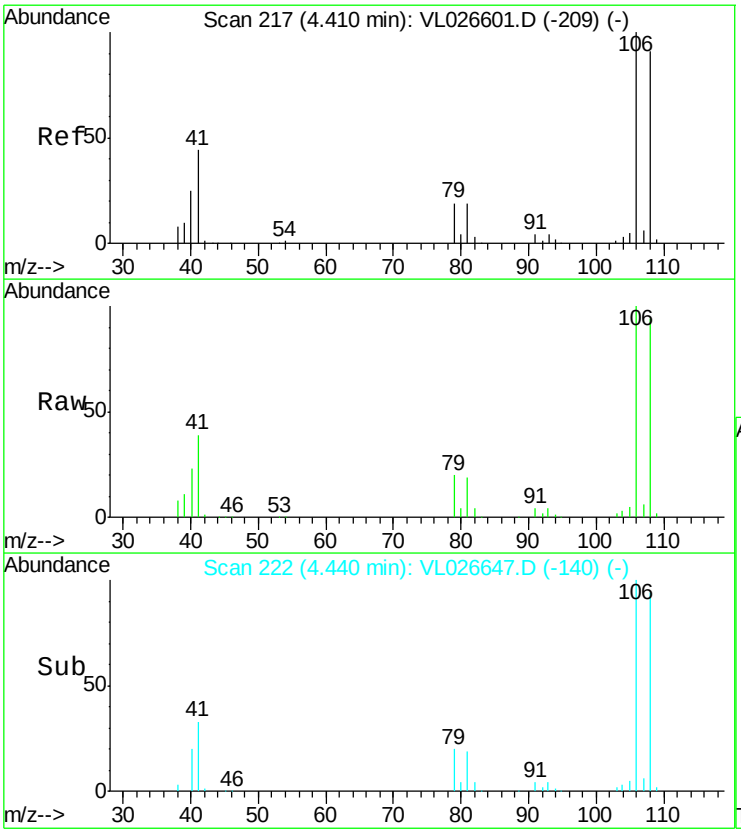
#13
Ethanol
Concen: 10.00 ppbv
RT: 4.31 min Scan# 201
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 93619

Ion	Ratio	Lower	Upper
45	100		
46	41.7	16.7	66.7

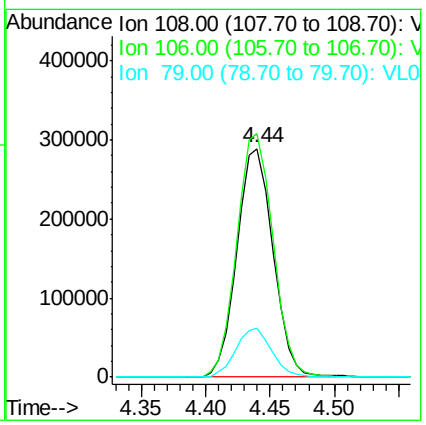


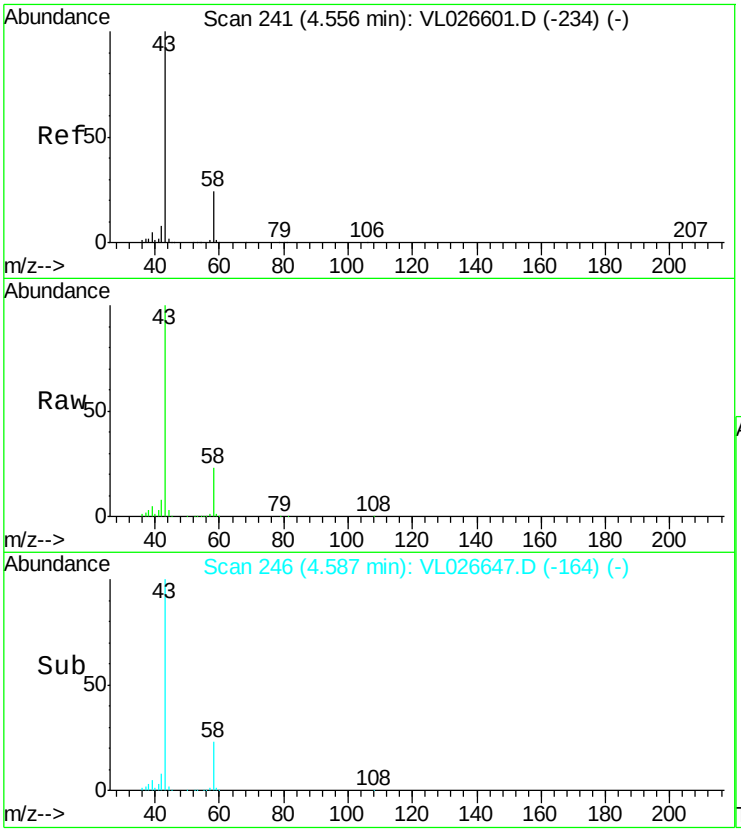


#14
Bromoethene
Concen: 10.00 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:108 Resp: 561022

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.3	129.5
79	21.5	17.3	25.9



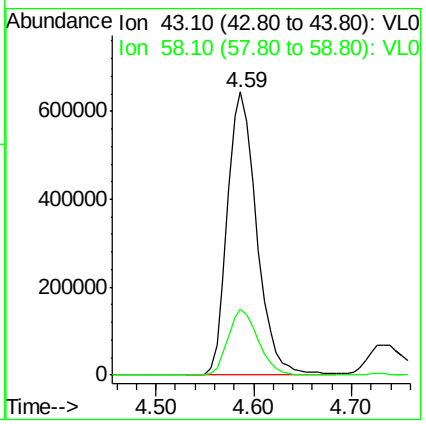


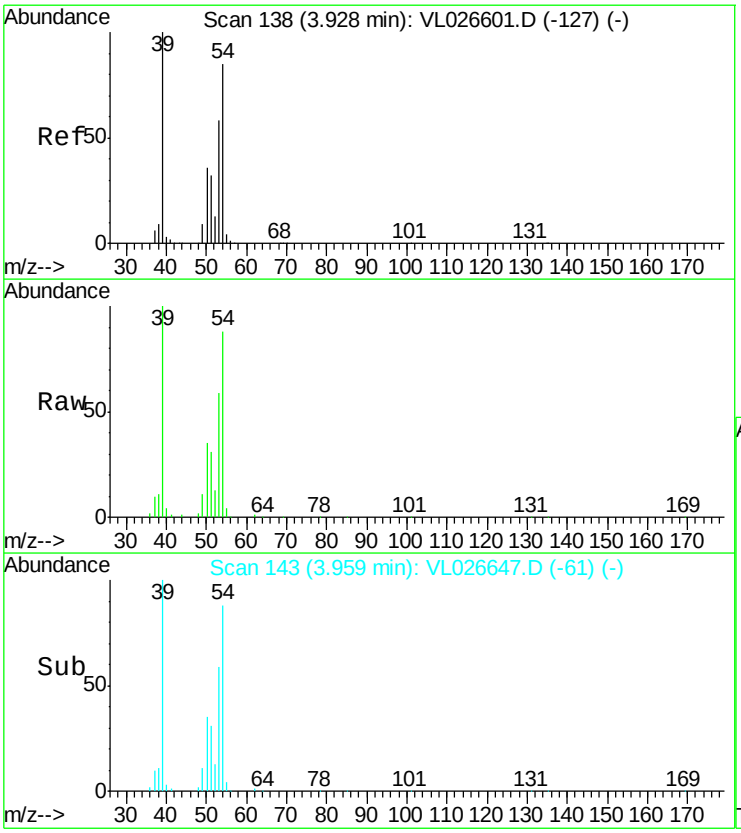
#15
Acetone
Concen: 10.00 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1341558

Ion	Ratio	Lower	Upper
43	100		
58	24.0	19.2	28.8

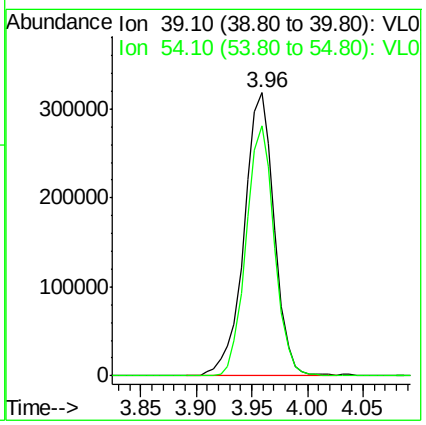


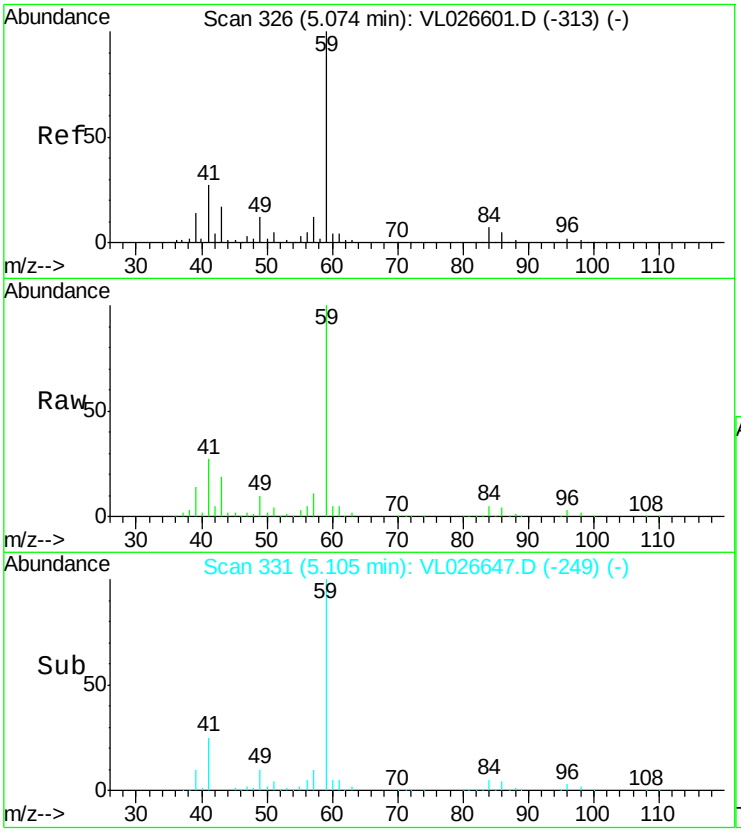


#16
1,3-Butadiene
Concen: 10.00 ppbv
RT: 3.96 min Scan# 143
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 39 Resp: 600266

Ion	Ratio	Lower	Upper
39	100		
54	83.3	66.4	99.6



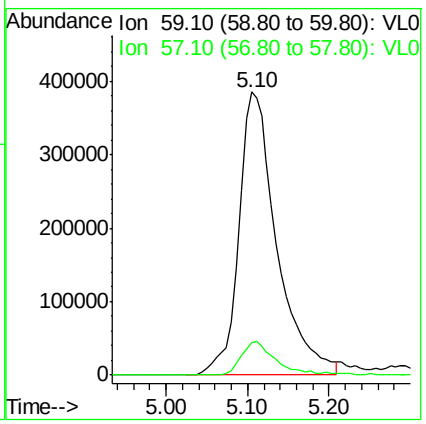


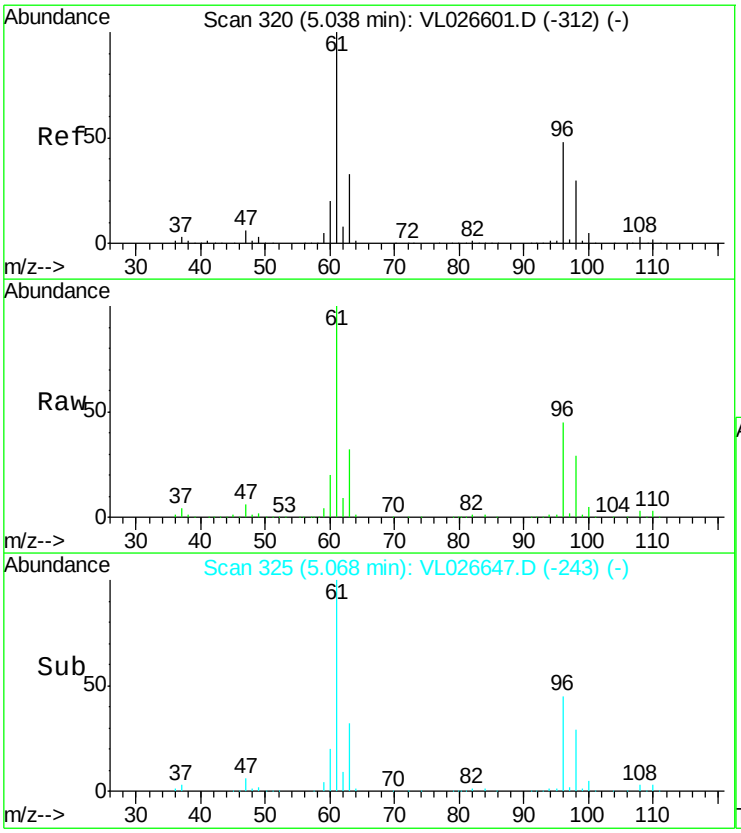
#17
tert-Butyl alcohol
Concen: 10.00 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 59 Resp: 1245974

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3

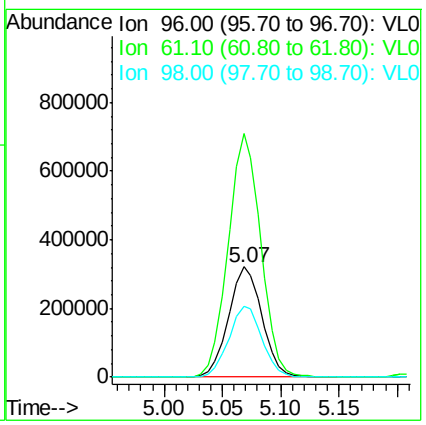


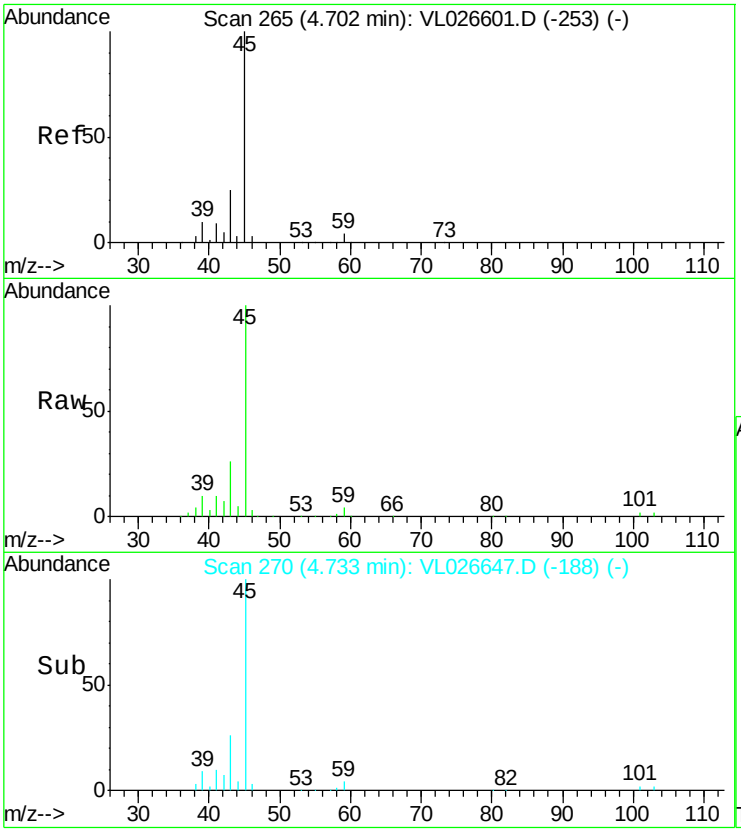


#18
1,1-Dichloroethene
Concen: 10.00 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 96 Resp: 639267

Ion	Ratio	Lower	Upper
96	100		
61	220.9	176.7	265.1
98	64.7	51.8	77.6

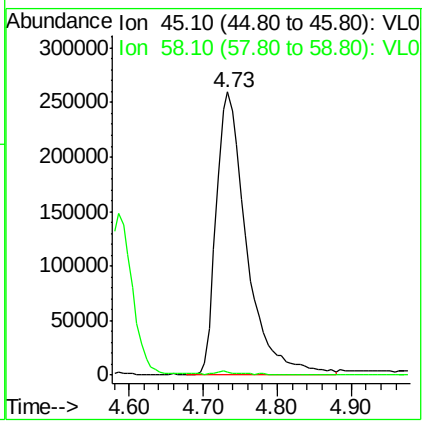




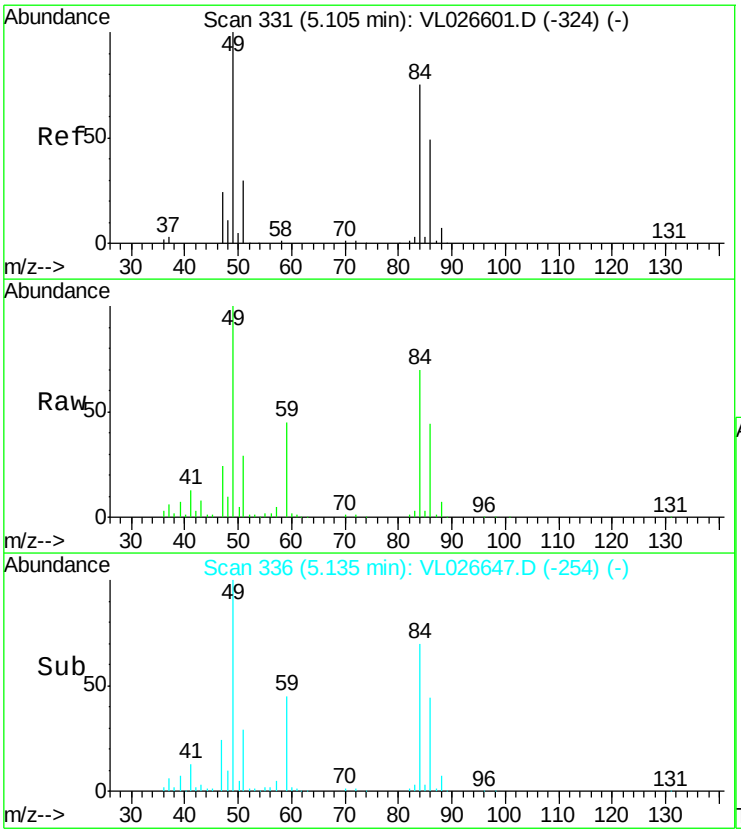
#19
Isopropyl Alcohol
Concen: 10.00 ppbv
RT: 4.73 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 45 Resp: 733495

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.2	1.8



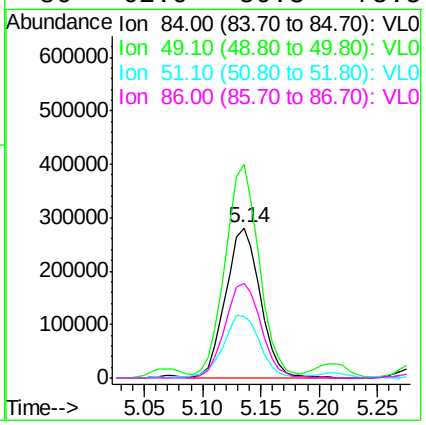
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

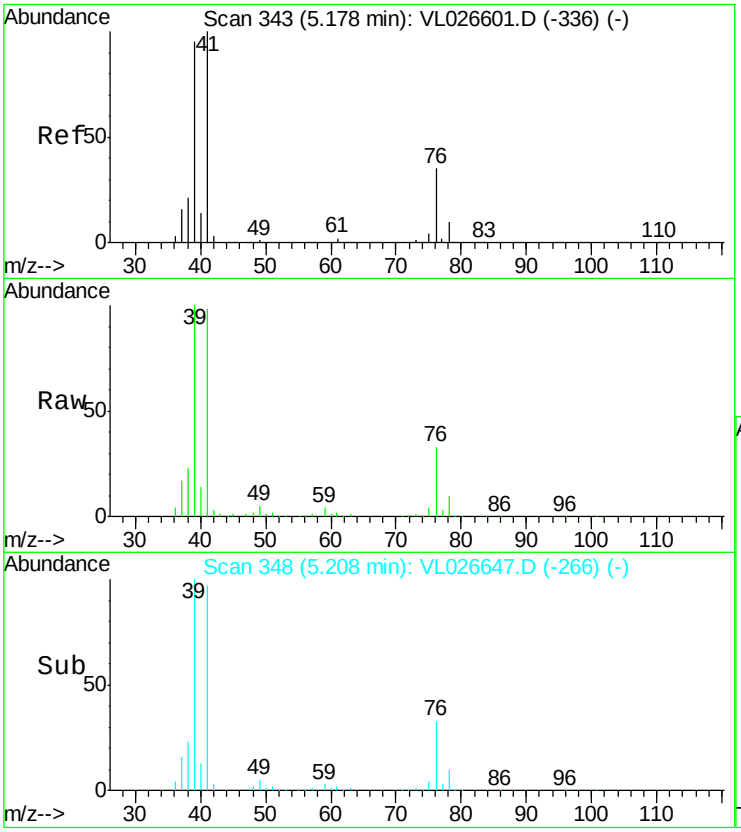


#20
Methylene Chloride
Concen: 10.00 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 84 Resp: 581917

Ion	Ratio	Lower	Upper
84	100		
49	140.4	112.3	168.5
51	40.6	32.5	48.7
86	62.9	50.3	75.5



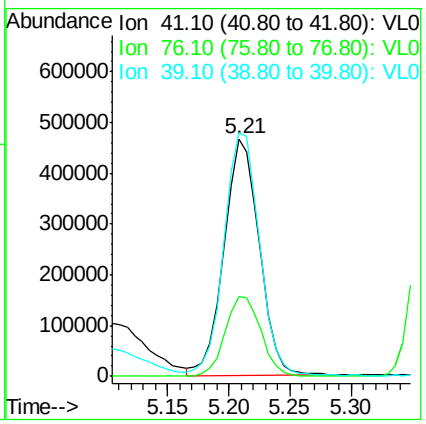


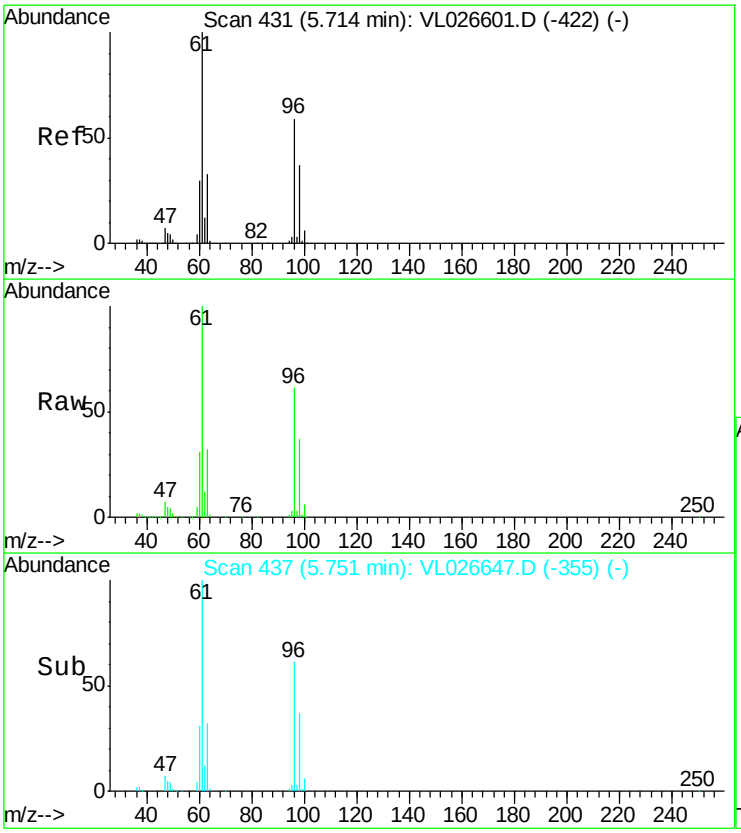
#21
Allyl Chloride
Concen: 10.00 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 925916

Ion	Ratio	Lower	Upper
41	100		
76	34.4	27.5	41.3
39	103.8	83.2	124.8

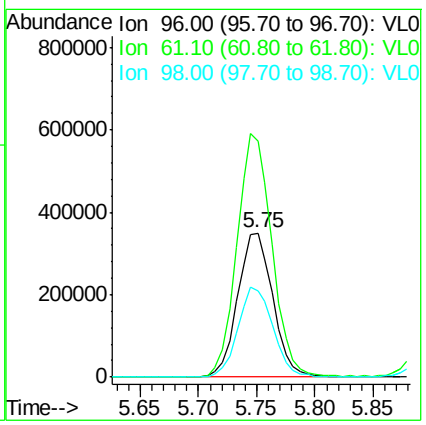


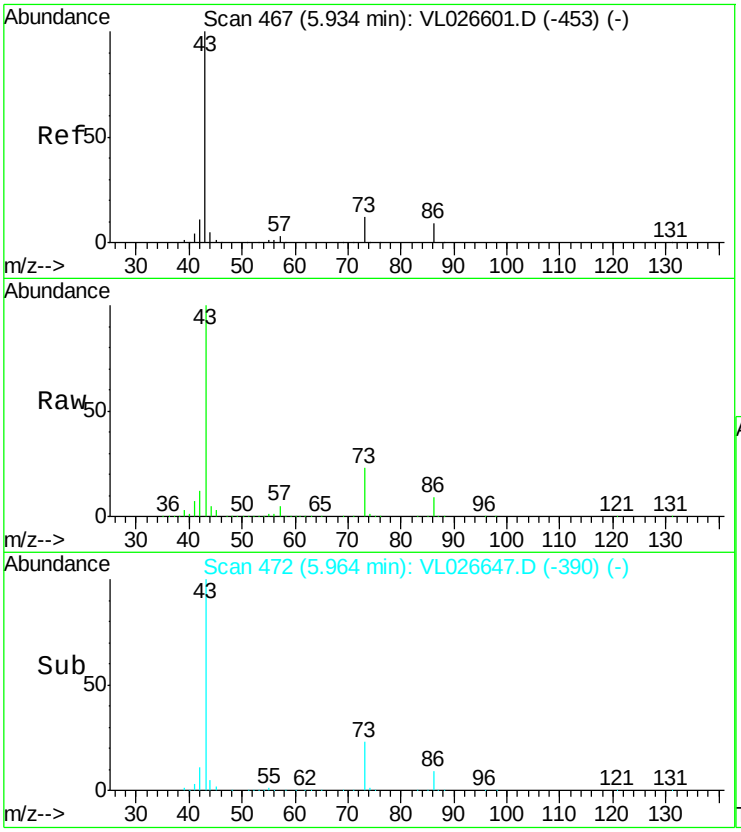


#22
trans-1,2-Dichloroethene
Concen: 10.00 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 96 Resp: 735546

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	60.1	48.1	72.1



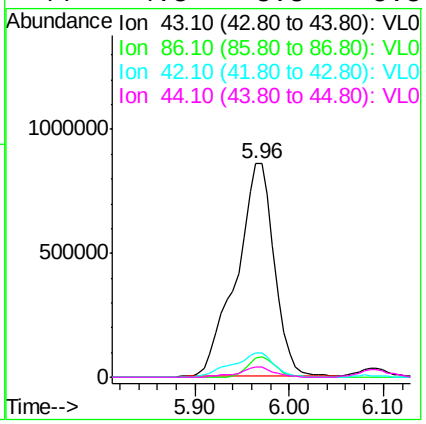


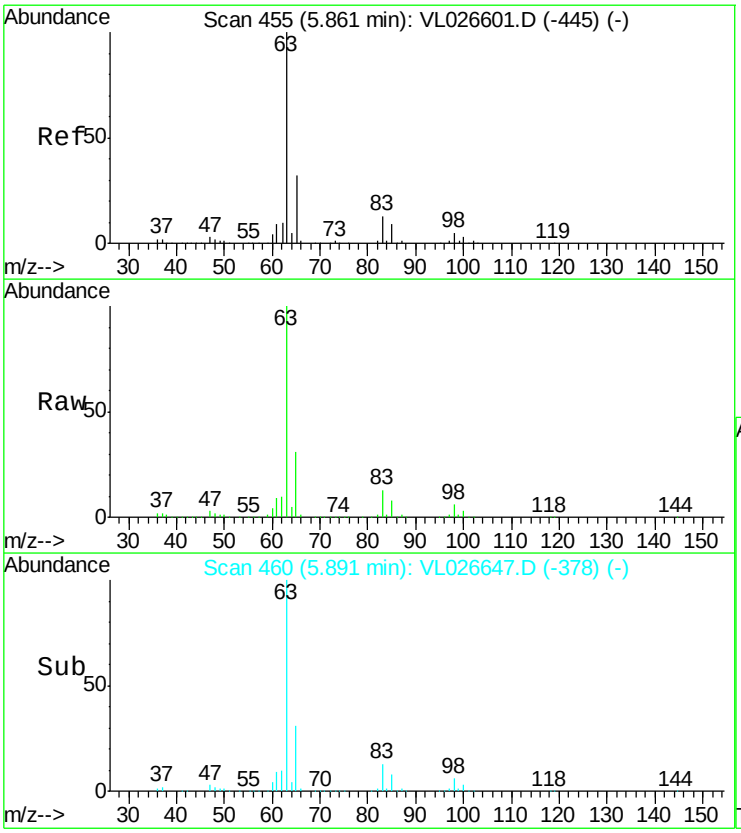
#23
Vinyl Acetate
Concen: 10.00 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2423194

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

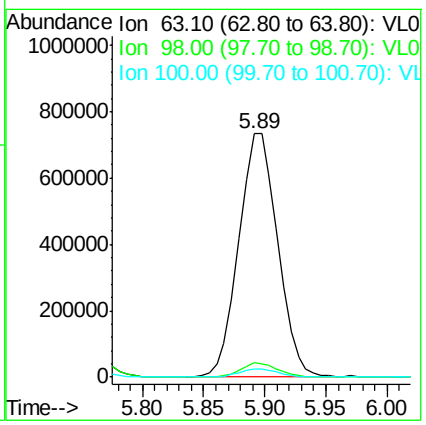


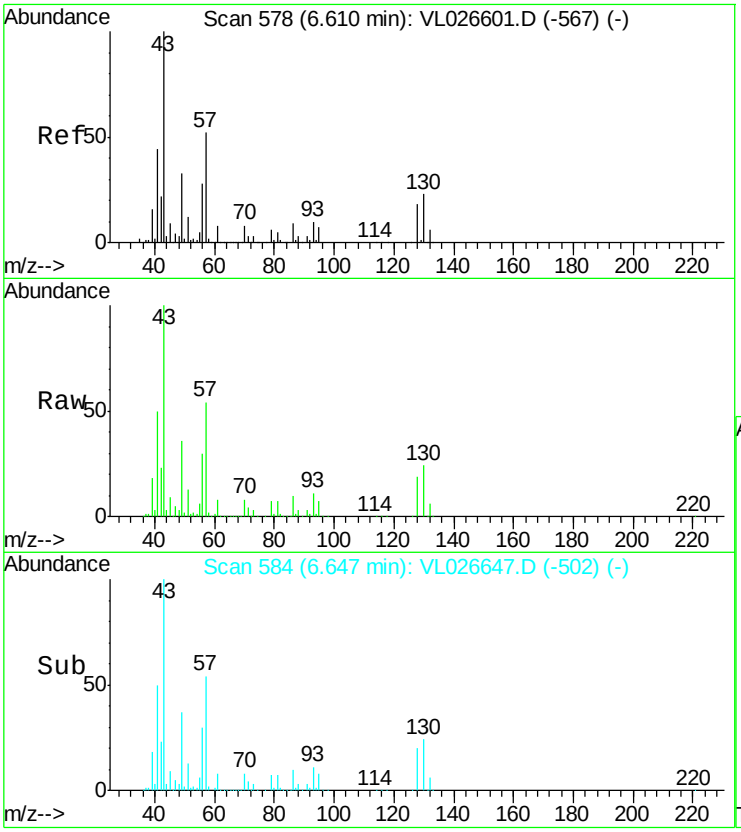


#24
1,1-Dichloroethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 63 Resp: 1625788

Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.7
100	3.2	1.6	4.8



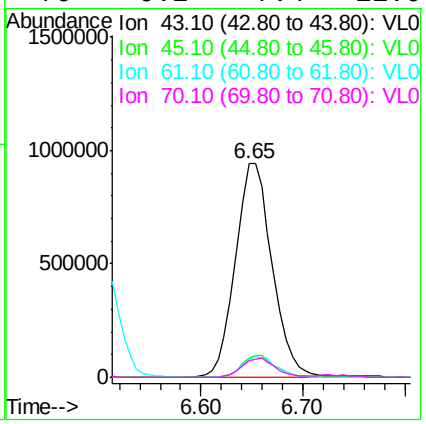


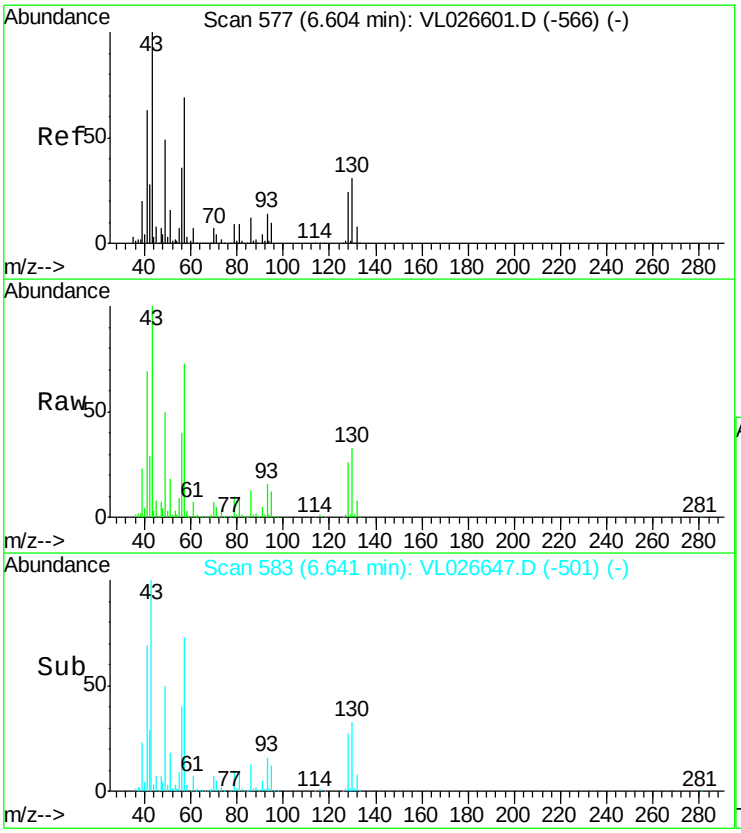
#25
Ethyl Acetate
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2349073

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	9.1	7.3	10.9
70	9.2	7.4	11.0

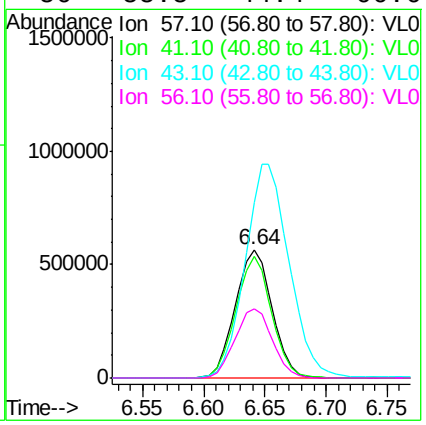


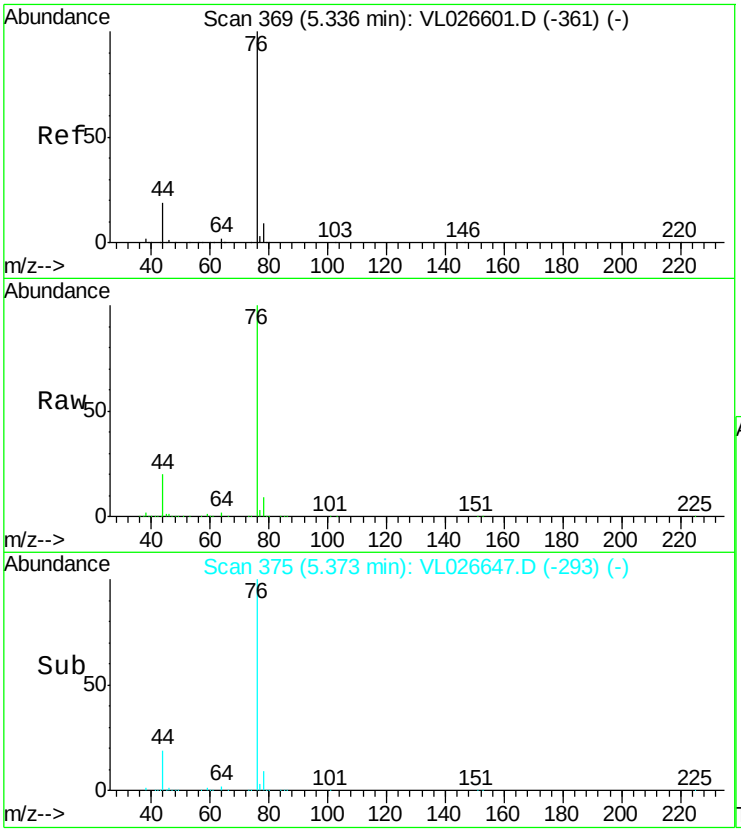


#26
Hexane
Concen: 10.00 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 57 Resp: 1175201

Ion	Ratio	Lower	Upper
57	100		
41	93.5	74.8	112.2
43	201.9	161.5	242.3
56	55.5	44.4	66.6



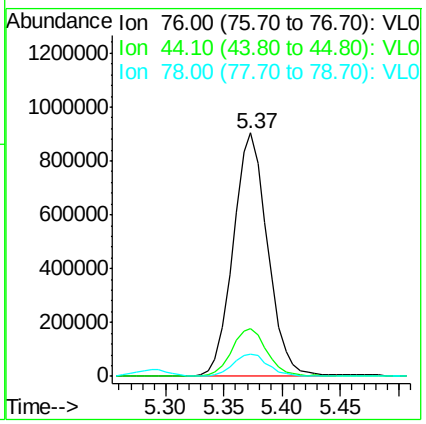


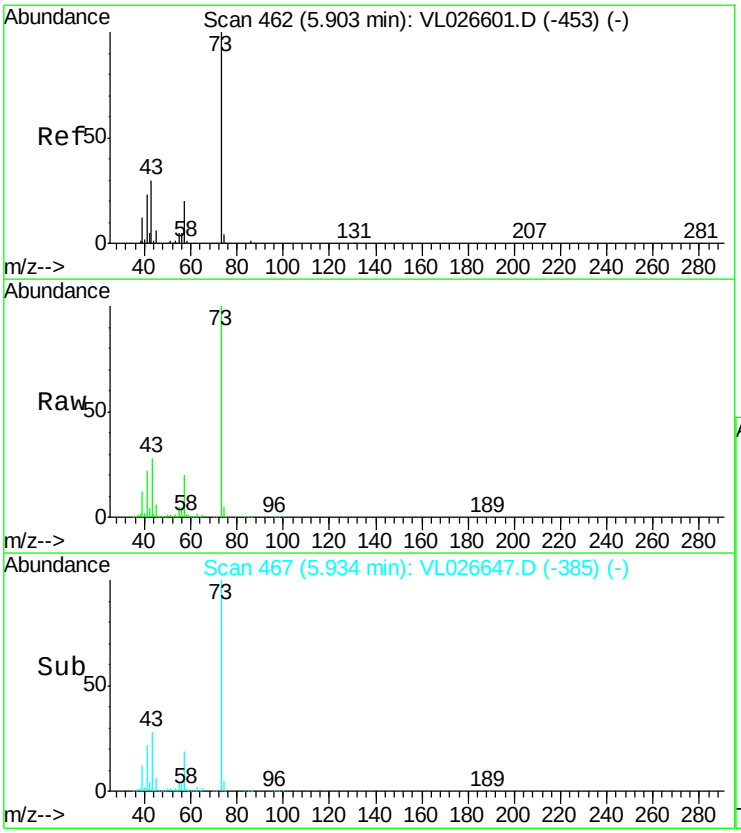
#27
Carbon Disulfide
Concen: 10.00 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1866172

Ion	Ratio	Lower	Upper
76	100		
44	19.9	16.1	24.1
78	9.5	7.4	11.0

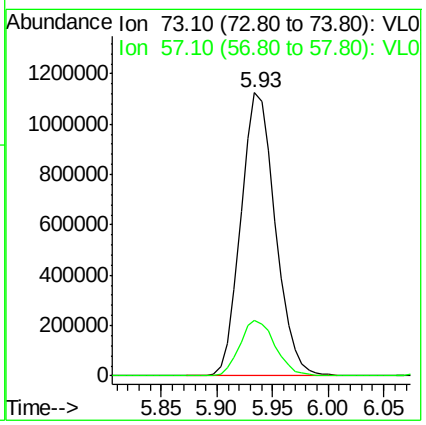


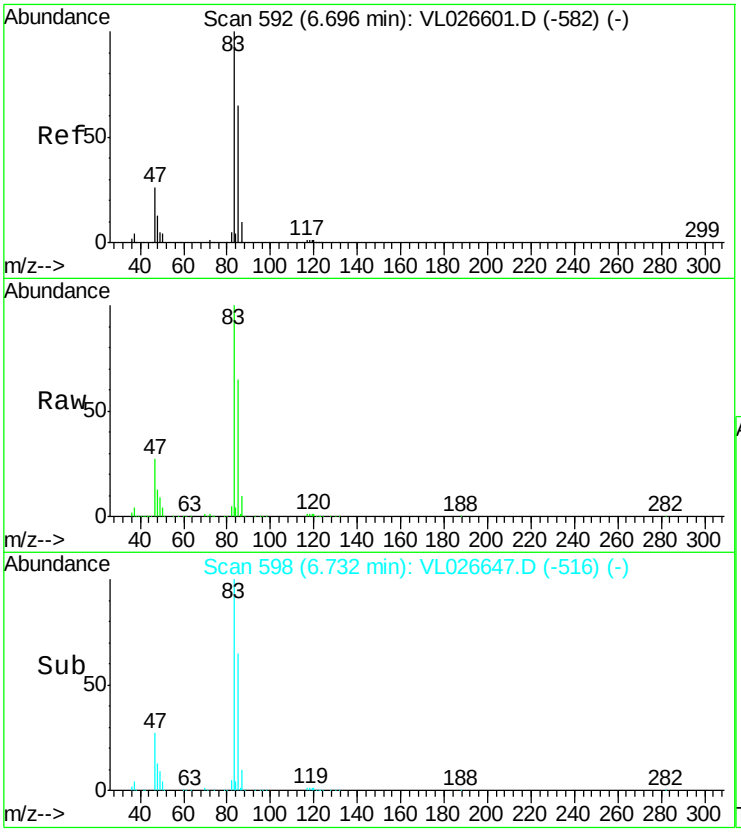


#28
Methyl tert-Butyl Ether
Concen: 10.00 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 73 Resp: 2420520

Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4



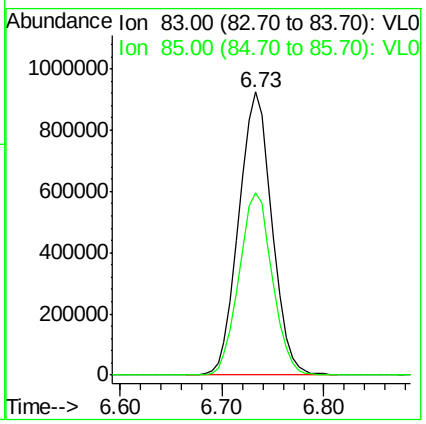


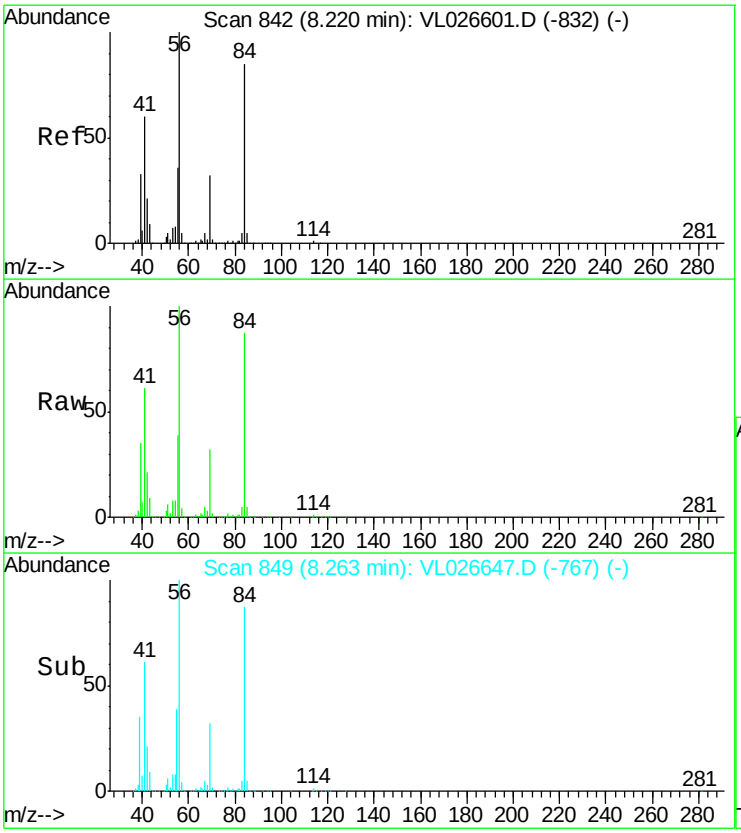
#29
Chloroform
Concen: 10.00 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2092157

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4

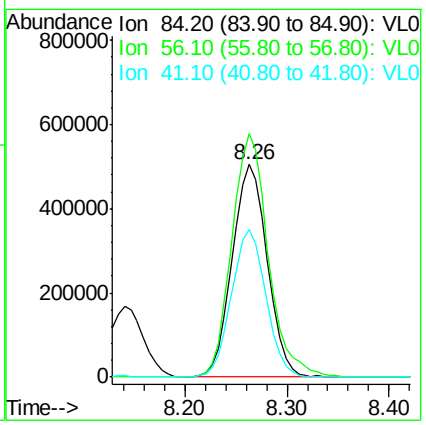


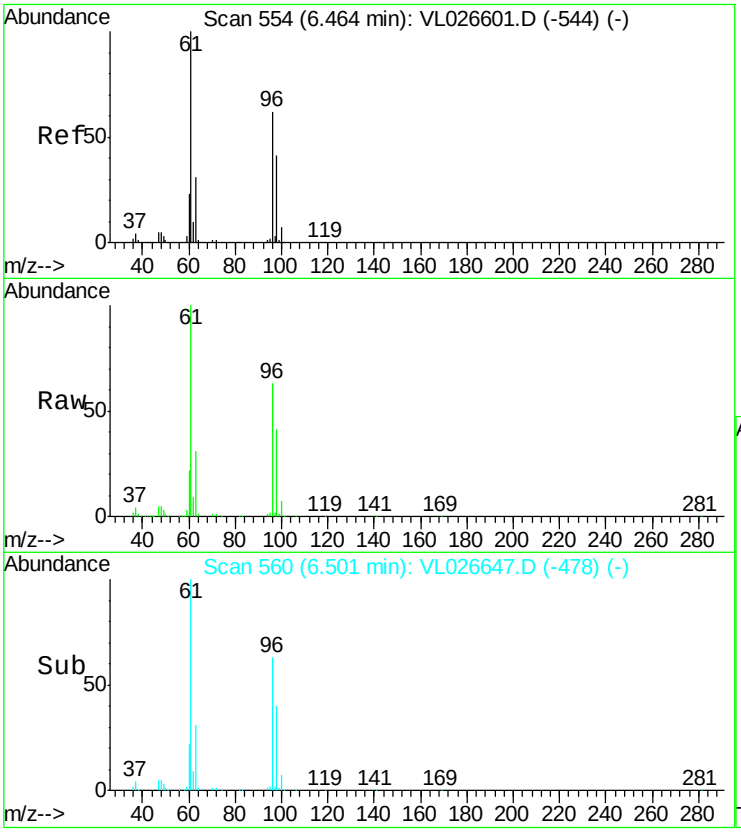


#30
Cyclohexane
Concen: 10.00 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 84 Resp: 1199612

Ion	Ratio	Lower	Upper
84	100		
56	119.9	95.9	143.9
41	68.5	54.8	82.2



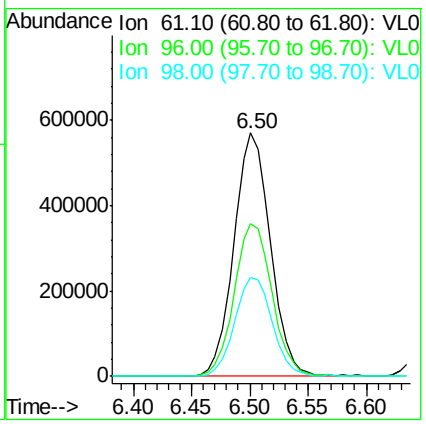


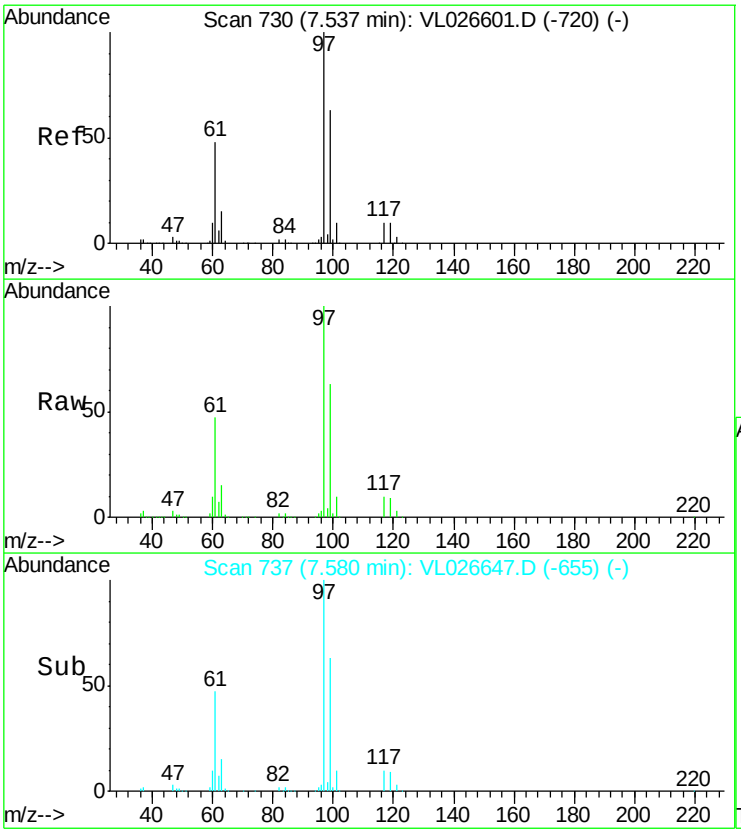
#31
cis-1,2-Dichloroethene
Concen: 10.00 ppbv
RT: 6.50 min Scan# 560
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1248397

Ion	Ratio	Lower	Upper
61	100		
96	62.8	50.2	75.4
98	40.5	32.4	48.6

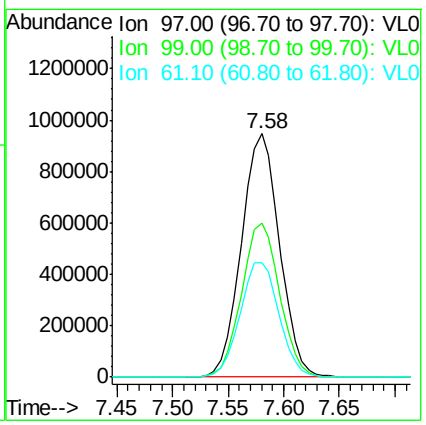


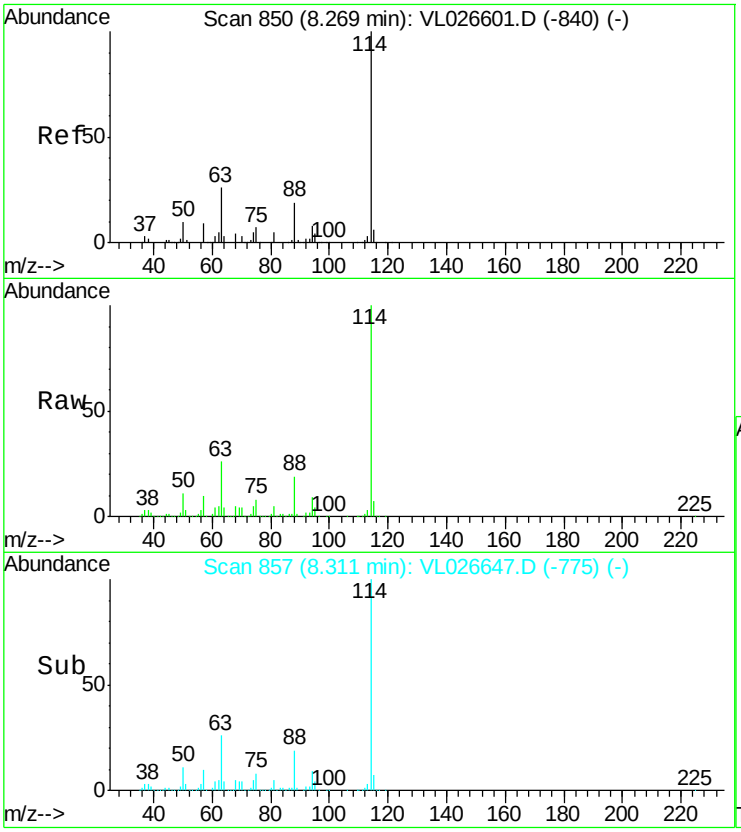


#32
1,1,1-Trichloroethane
Concen: 10.00 ppbv
RT: 7.58 min Scan# 737
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 97 Resp: 2258032

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	48.6	38.6	58.0



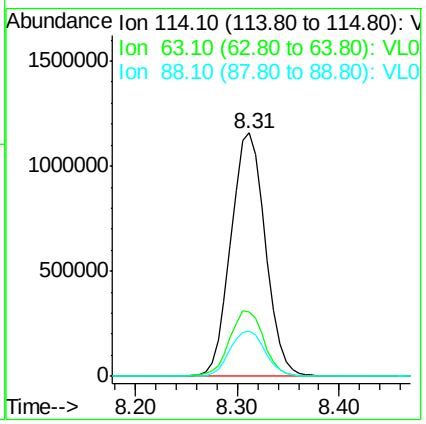


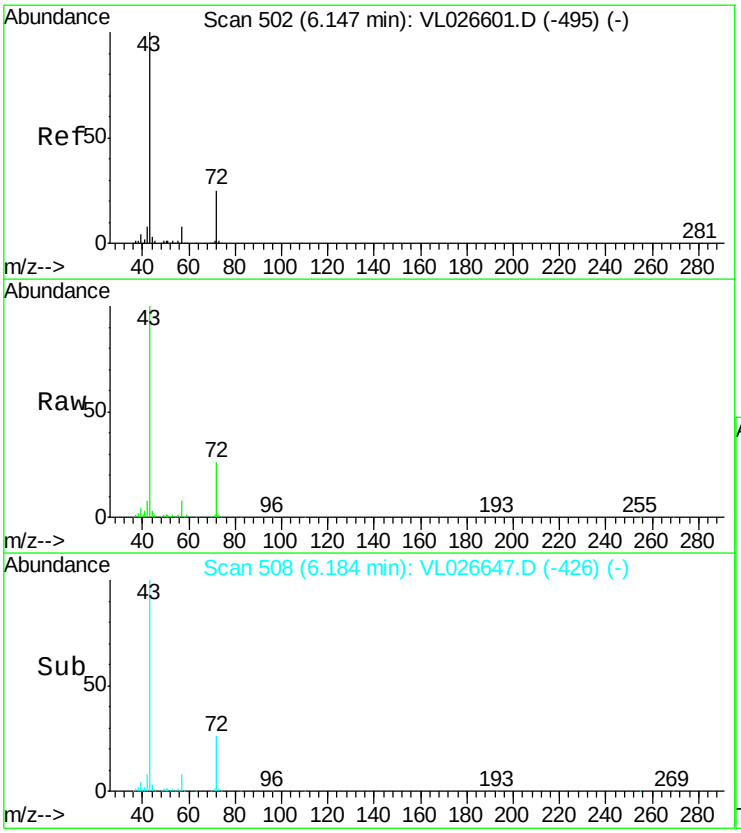
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2719316

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.7	32.5
88	19.0	15.2	22.8

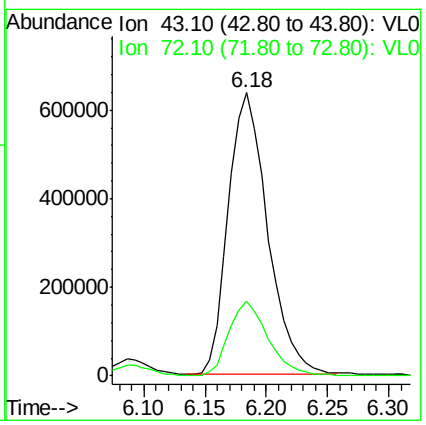


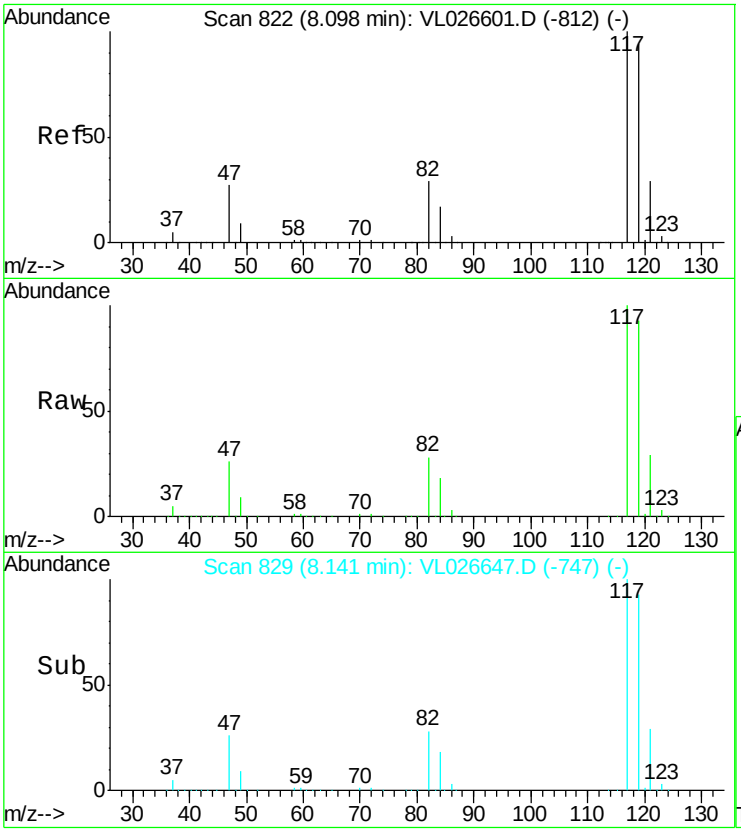


#34
2-Butanone
Concen: 10.00 ppbv
RT: 6.18 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 43 Resp: 1424844

Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.9	31.3



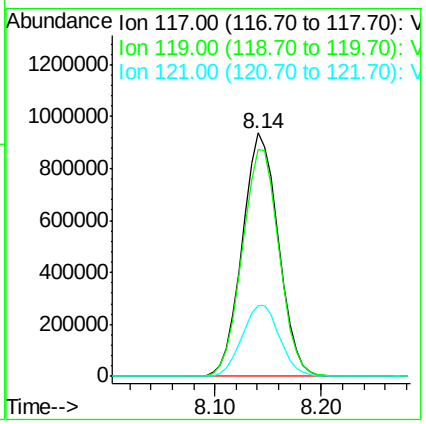


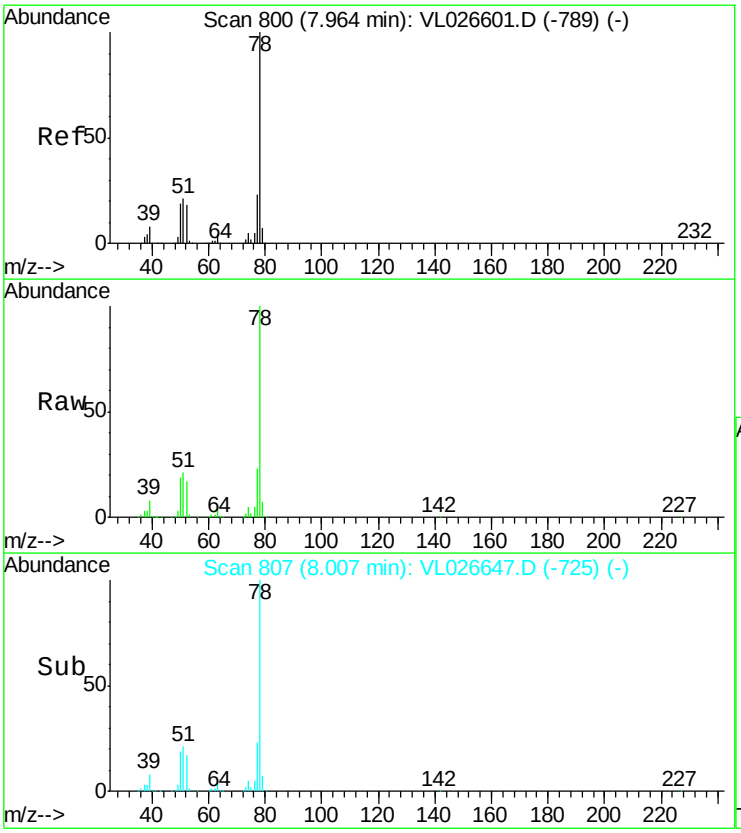
#35
Carbon Tetrachloride
Concen: 10.00 ppbv
RT: 8.14 min Scan# 829
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2240260

Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	28.9	23.1	34.7

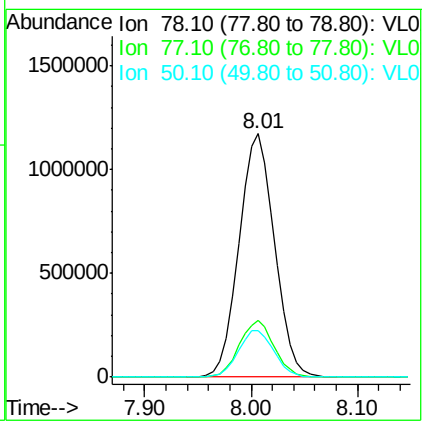


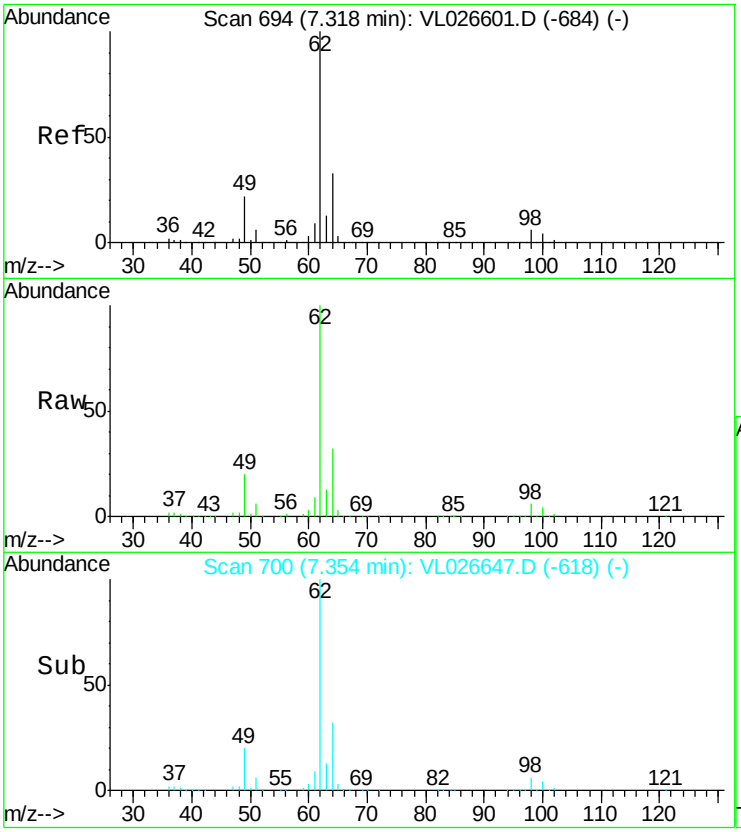


#36
Benzene
Concen: 10.00 ppbv
RT: 8.01 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 78 Resp: 2745869

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	19.3	15.4	23.2



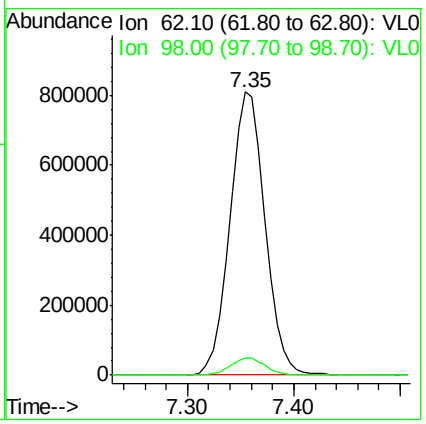


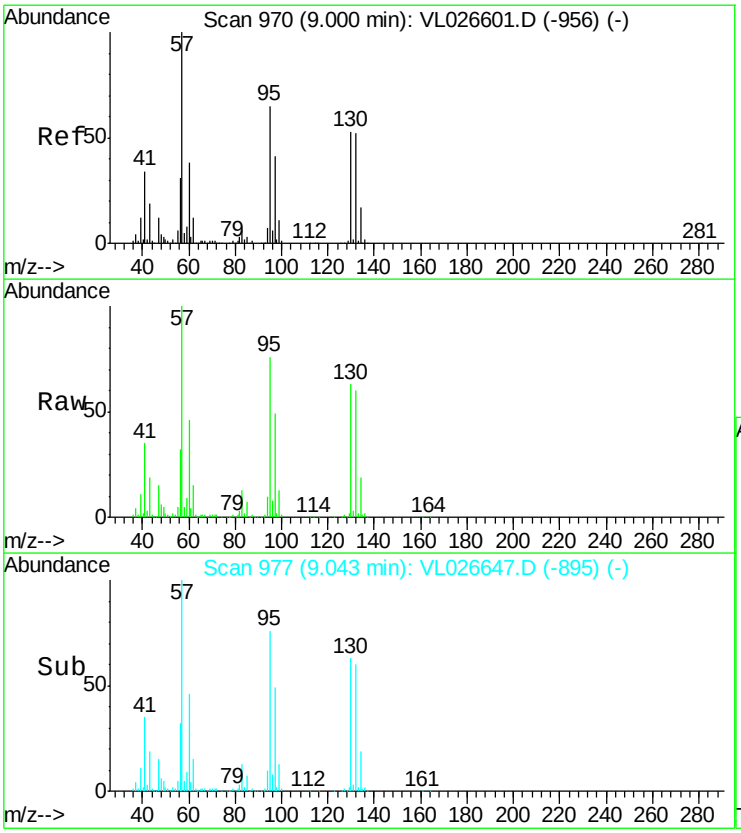
#37
1,2-Dichloroethane
Concen: 10.00 ppbv
RT: 7.35 min Scan# 700
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1871417

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.8	7.2

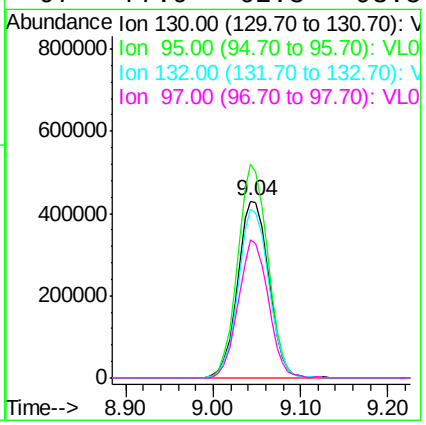


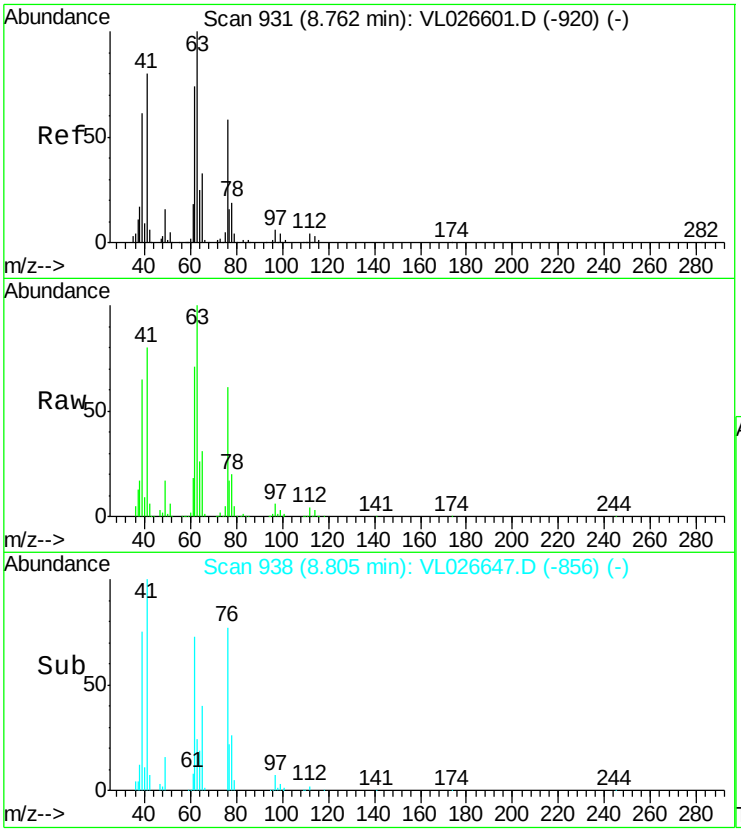


#38
Trichloroethene
Concen: 10.00 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:130 Resp: 1066765

Ion	Ratio	Lower	Upper
130	100		
95	120.8	96.6	145.0
132	95.3	76.2	114.4
97	77.9	62.3	93.5



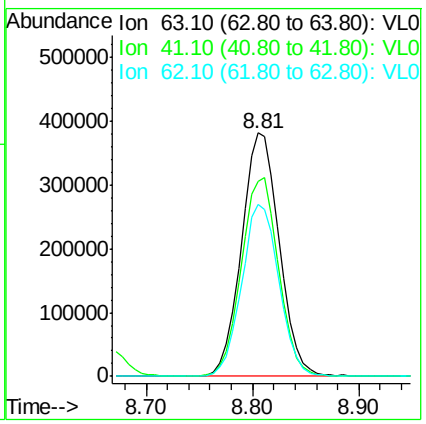


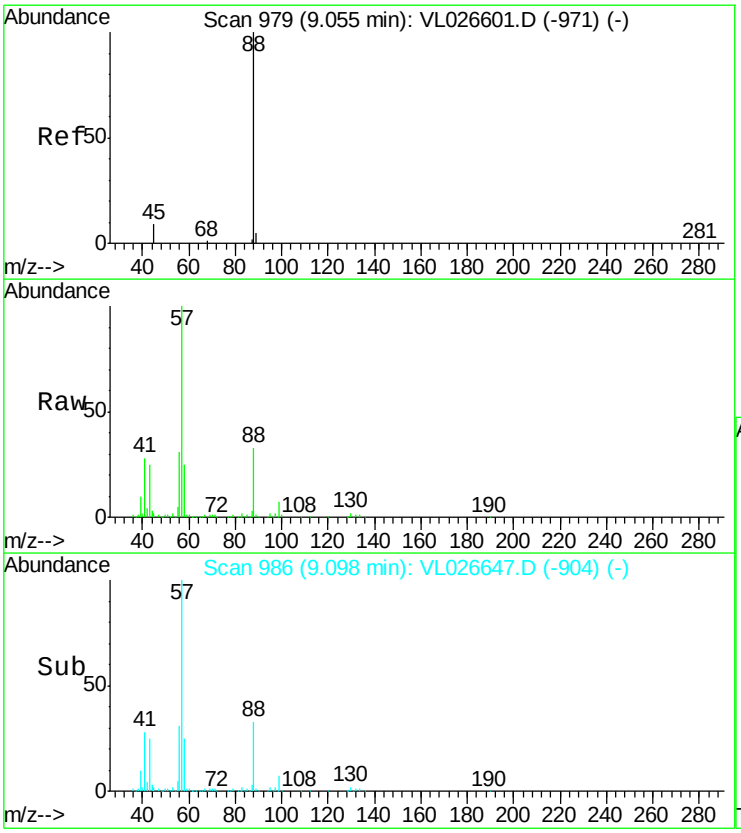
#39
1,2-Dichloropropane
Concen: 10.00 ppbv
RT: 8.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 949816

Ion	Ratio	Lower	Upper
63	100		
41	80.1	64.1	96.1
62	70.7	56.6	84.8

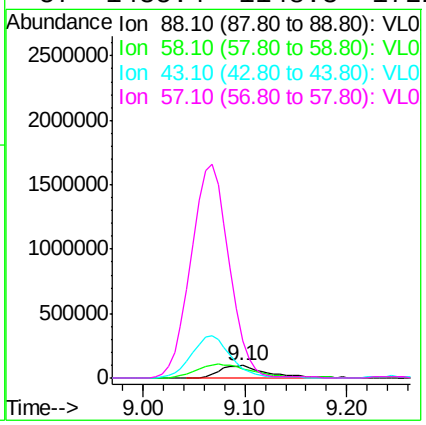


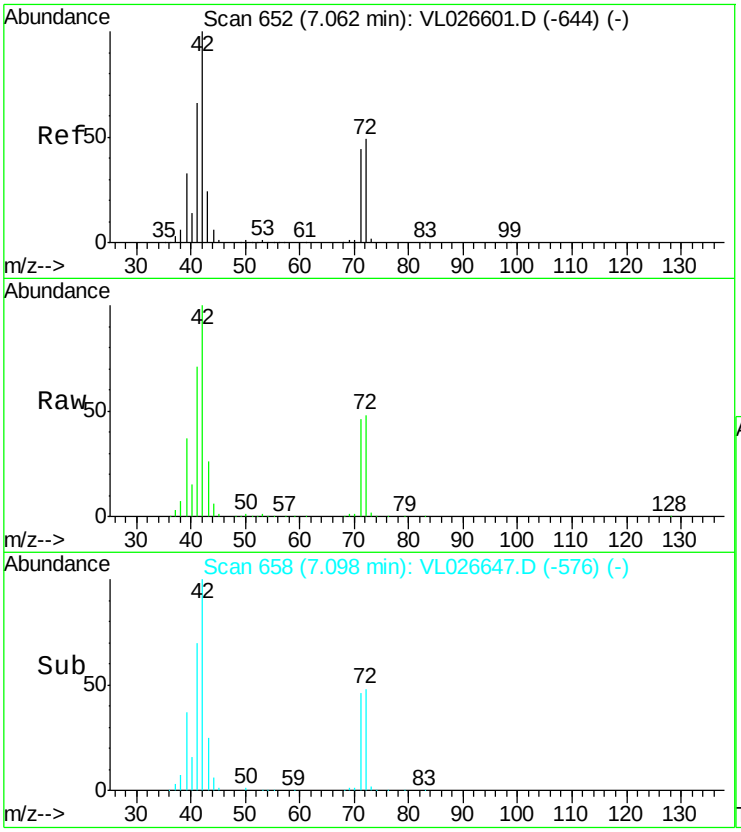


#40
1,4-Dioxane
Concen: 10.00 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 88 Resp: 301186

Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.4	164.2
43	297.7	238.2	357.2
57	1435.4	1148.3	1722.5



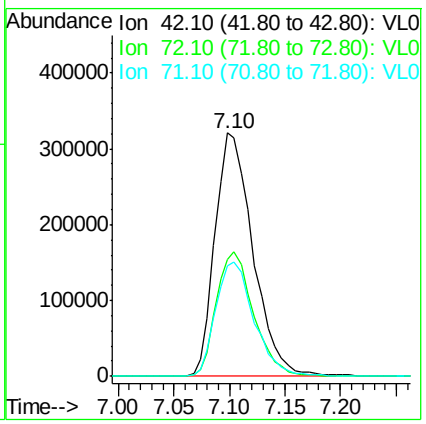


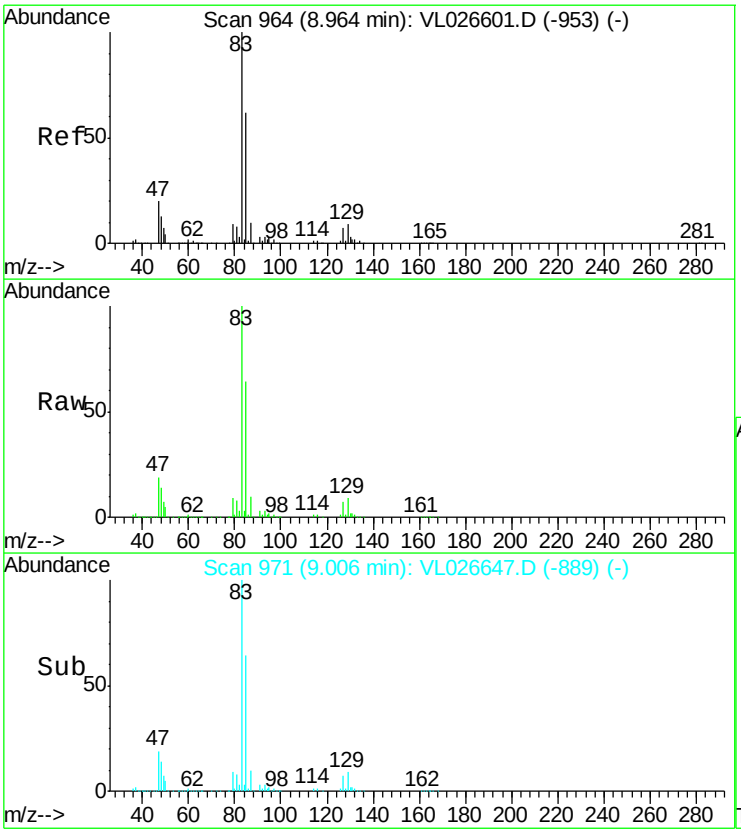
#41
Tetrahydrofuran
Concen: 10.00 ppbv
RT: 7.10 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 755734

Ion	Ratio	Lower	Upper
42	100		
72	50.7	40.6	60.8
71	48.0	38.4	57.6

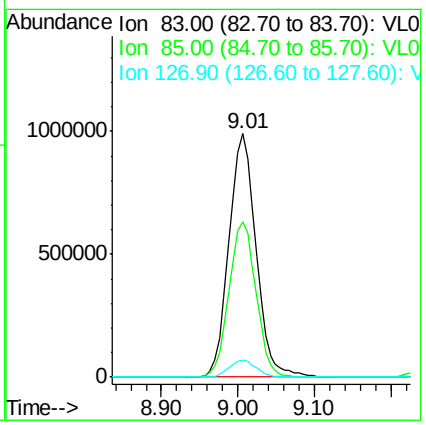


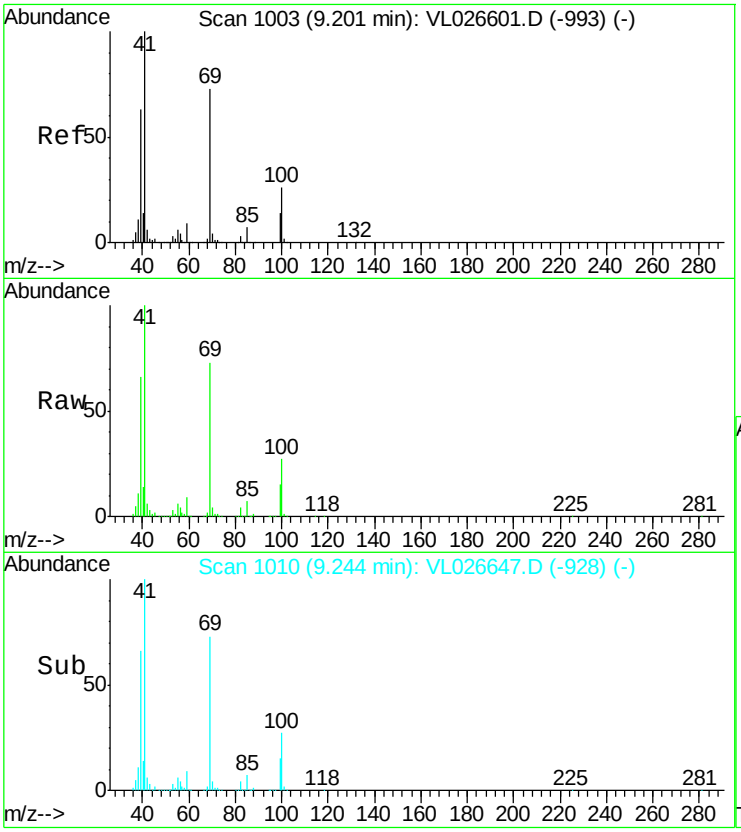


#42
Bromodichloromethane
Concen: 10.00 ppbv
RT: 9.01 min Scan# 971
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 83 Resp: 2436794

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	6.9	5.5	8.3



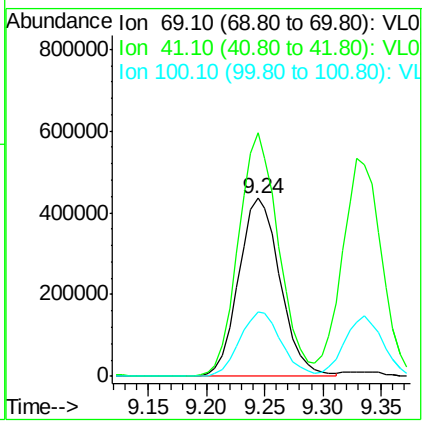


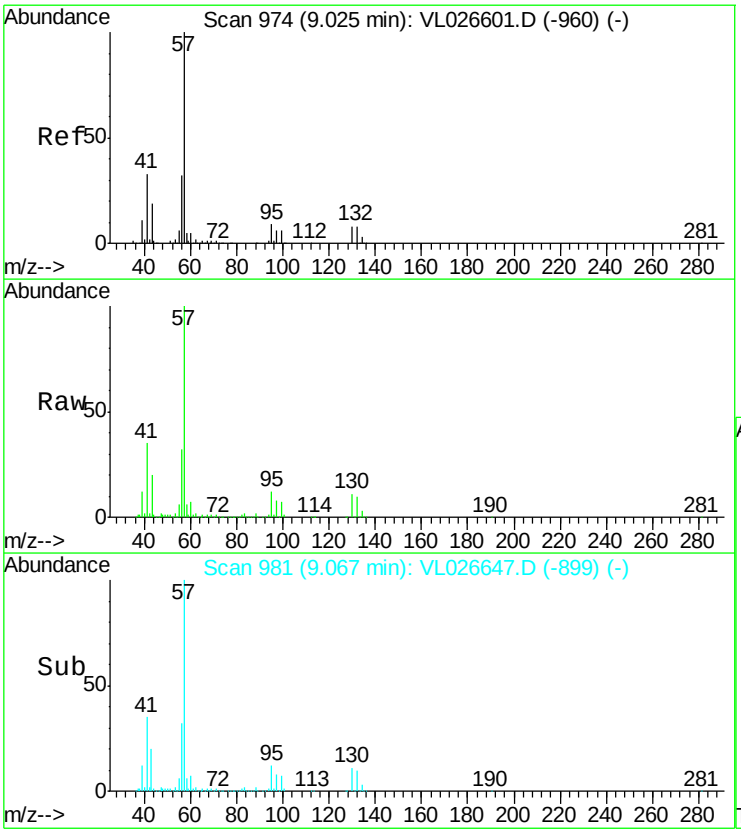
#43
Methyl Methacrylate
Concen: 10.00 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 1082504

Ion	Ratio	Lower	Upper
69	100		
41	132.6	106.1	159.1
100	36.2	29.0	43.4

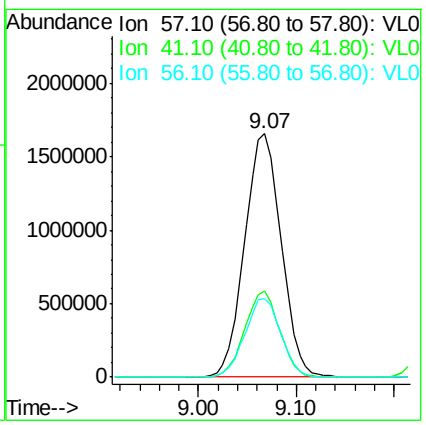


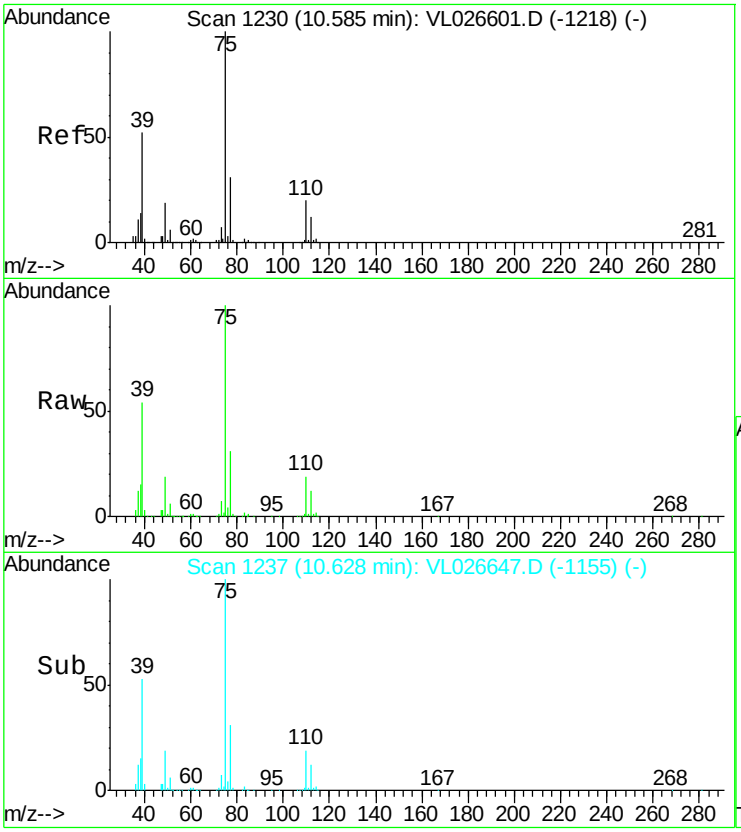


#44
2,2,4-Trimethylpentane
Concen: 10.00 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 57 Resp: 4306519

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.9	40.3
56	31.7	25.4	38.0



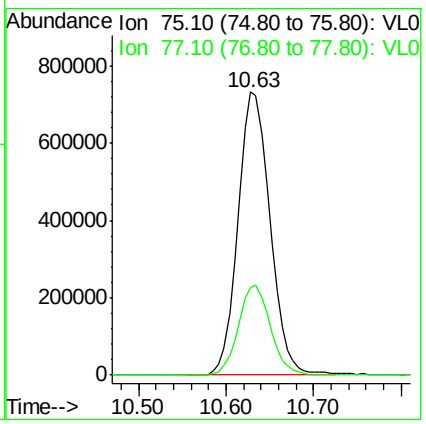


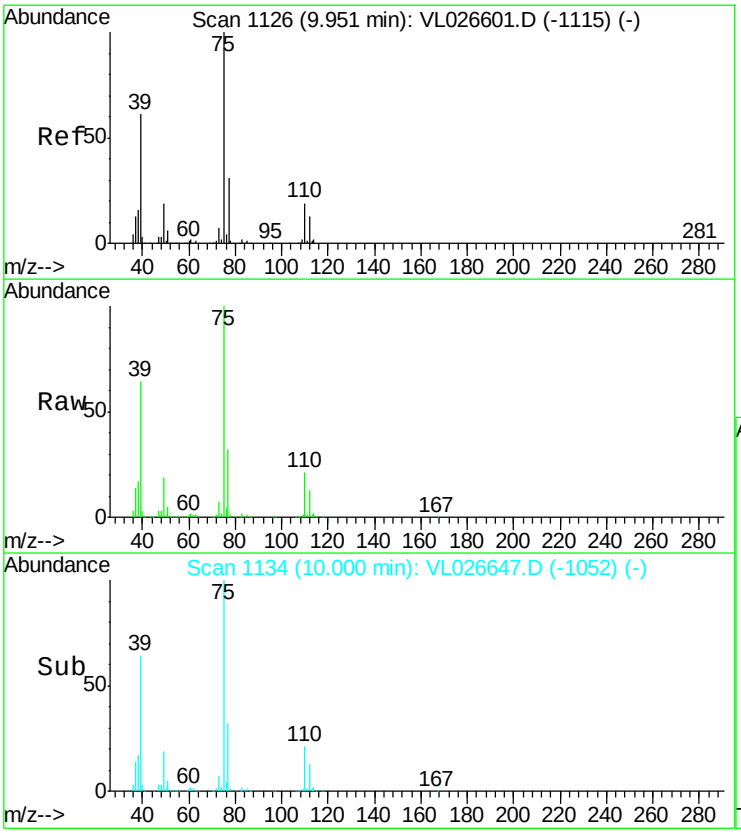
#45
t-1,3-Dichloropropene
Concen: 10.00 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1863419

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0

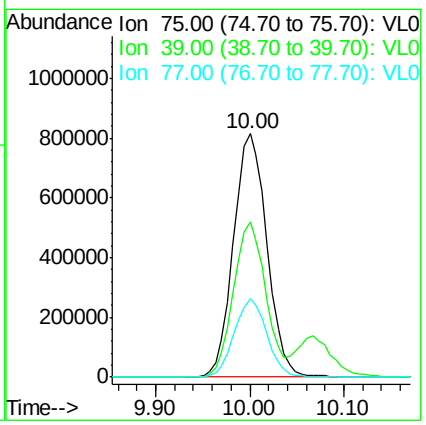


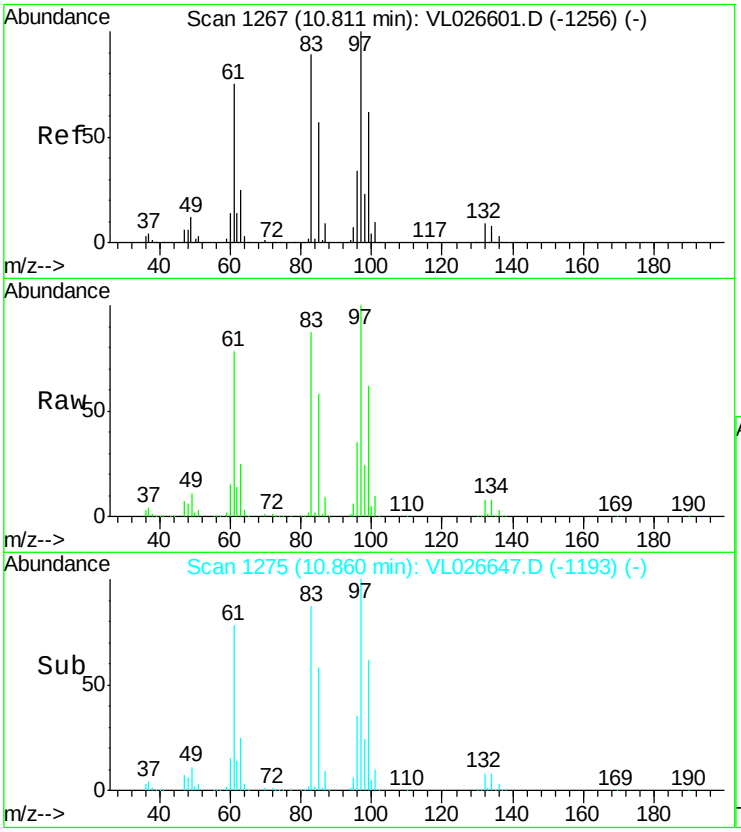


#46
cis-1,3-Dichloropropene
Concen: 10.00 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 75 Resp: 2017330

Ion	Ratio	Lower	Upper
75	100		
39	64.0	51.2	76.8
77	32.4	25.9	38.9



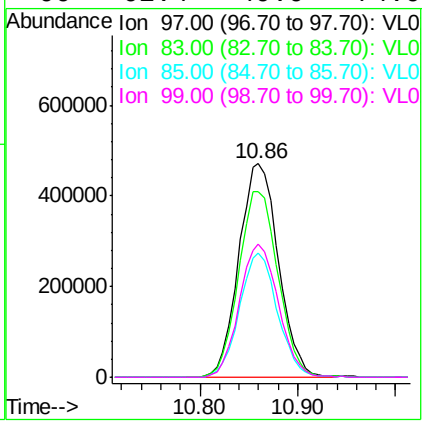


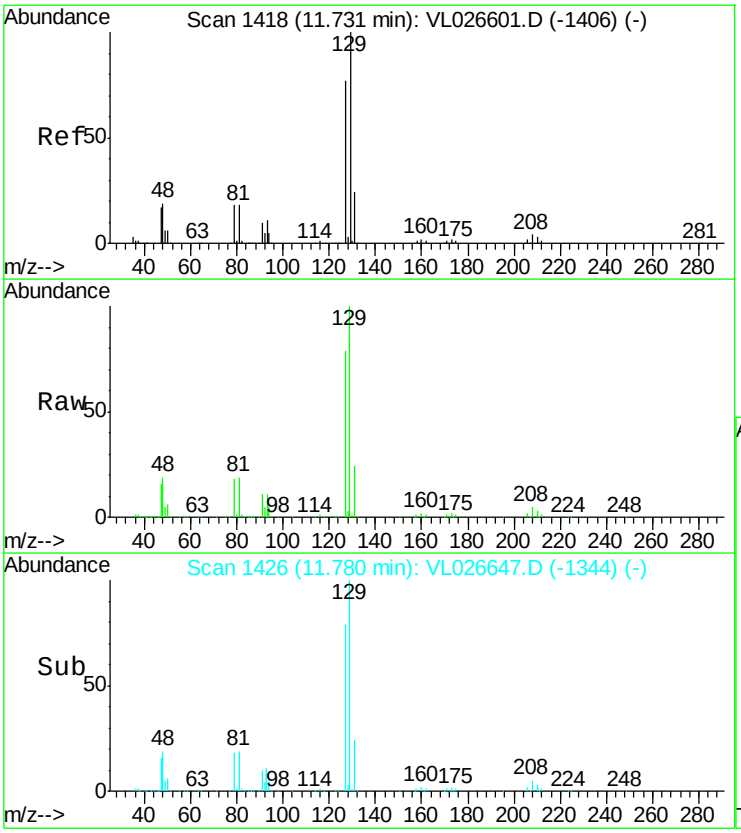
#47
1,1,2-Trichloroethane
Concen: 10.00 ppbv
RT: 10.86 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1321925

Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	58.0	46.4	69.6
99	62.4	49.9	74.9

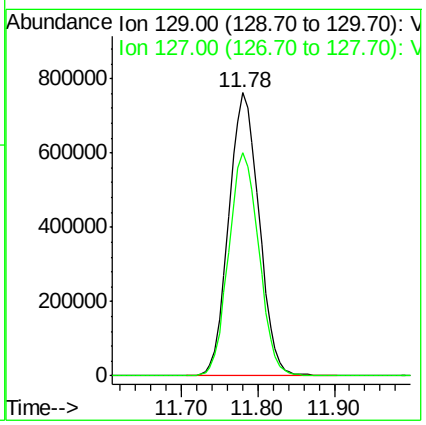


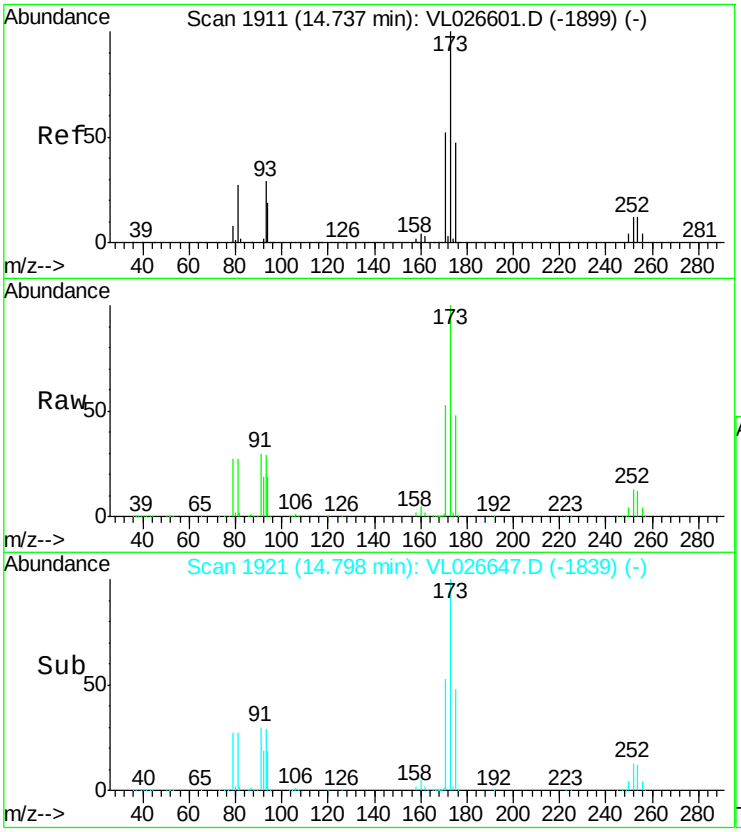


#48
Dibromochloromethane
Concen: 10.00 ppbv
RT: 11.78 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:129 Resp: 2095386

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.5



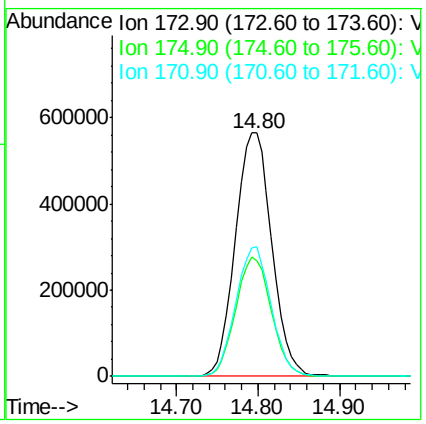


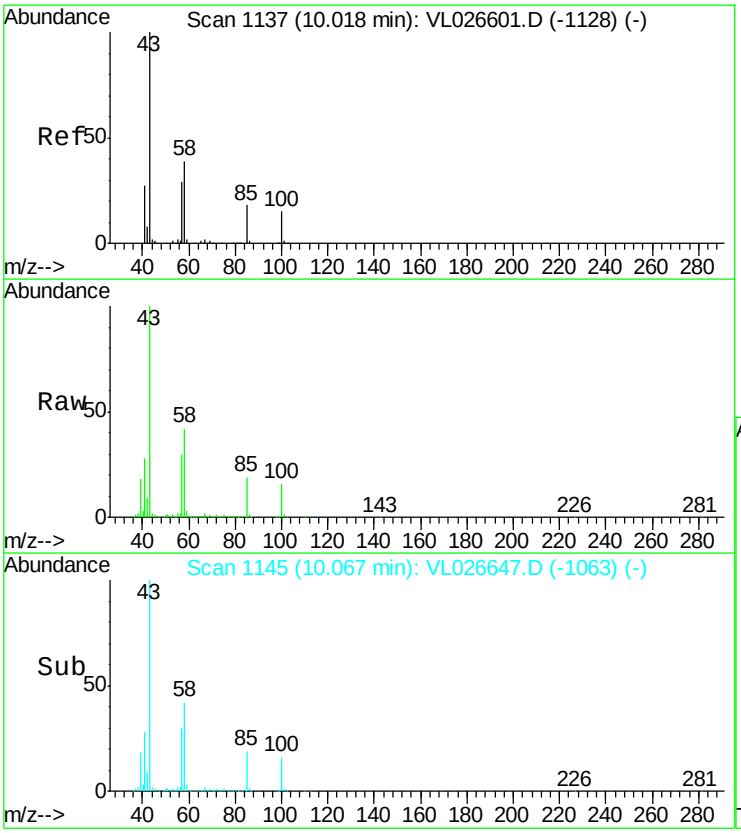
#49
Bromoform
Concen: 10.00 ppbv
RT: 14.80 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1751468

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	57.8
171	51.9	41.5	62.3

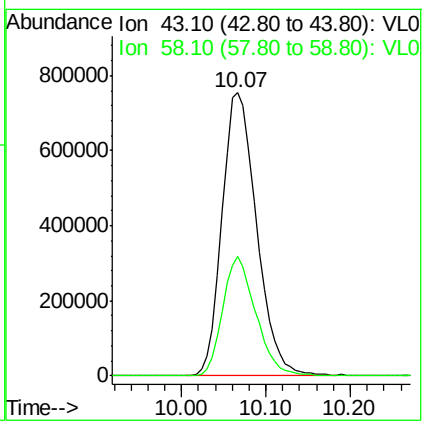


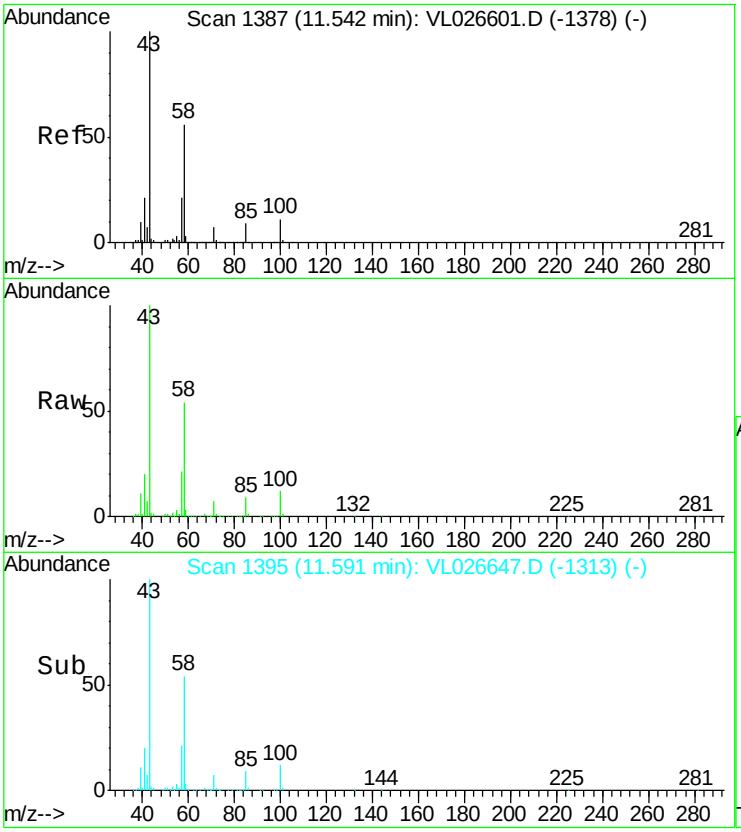


#50
4-Methyl-2-Pentanone
Concen: 10.00 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 43 Resp: 2106920

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.4	48.6



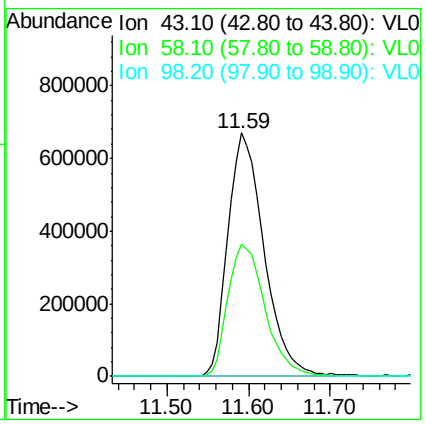


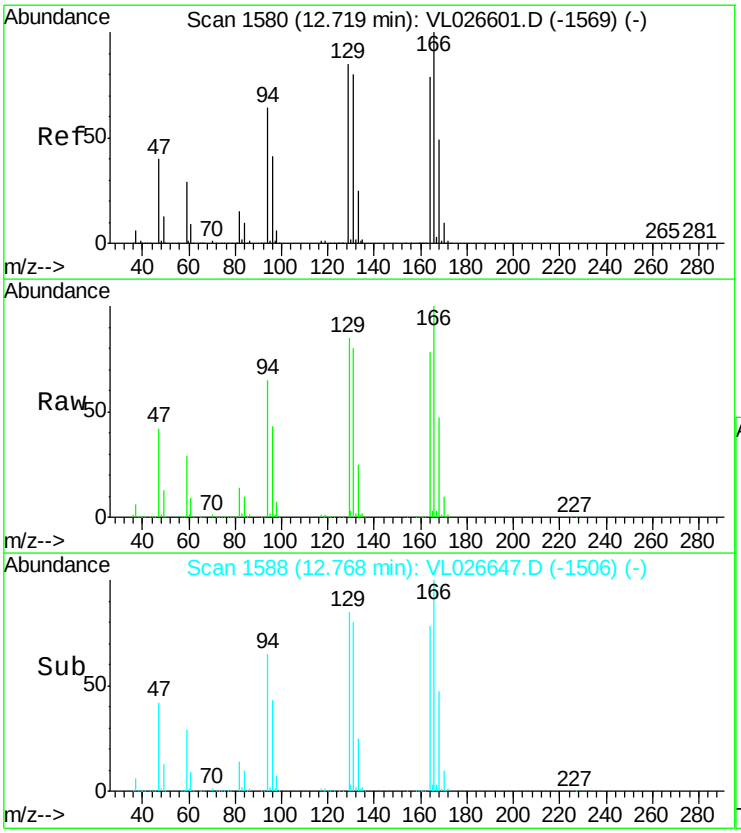
#51
2-Hexanone
Concen: 10.00 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2057028

Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.9	67.3
98	0.2	0.2	0.2

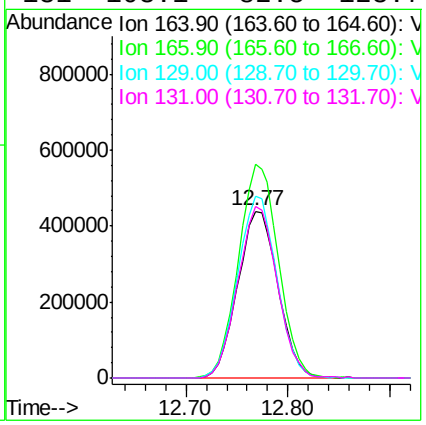


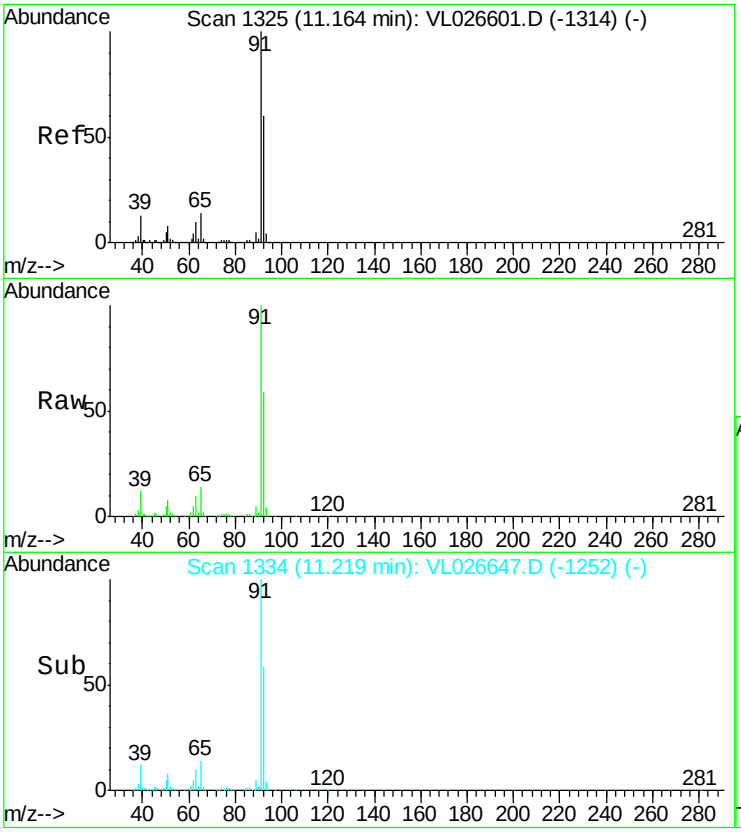


#52
Tetrachloroethene
Concen: 10.00 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:164 Resp: 1201407

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	108.8	87.0	130.6
131	103.1	82.5	123.7



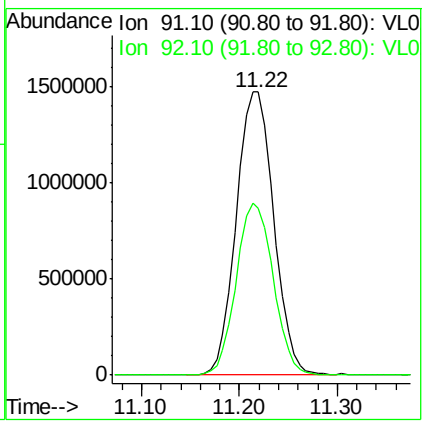


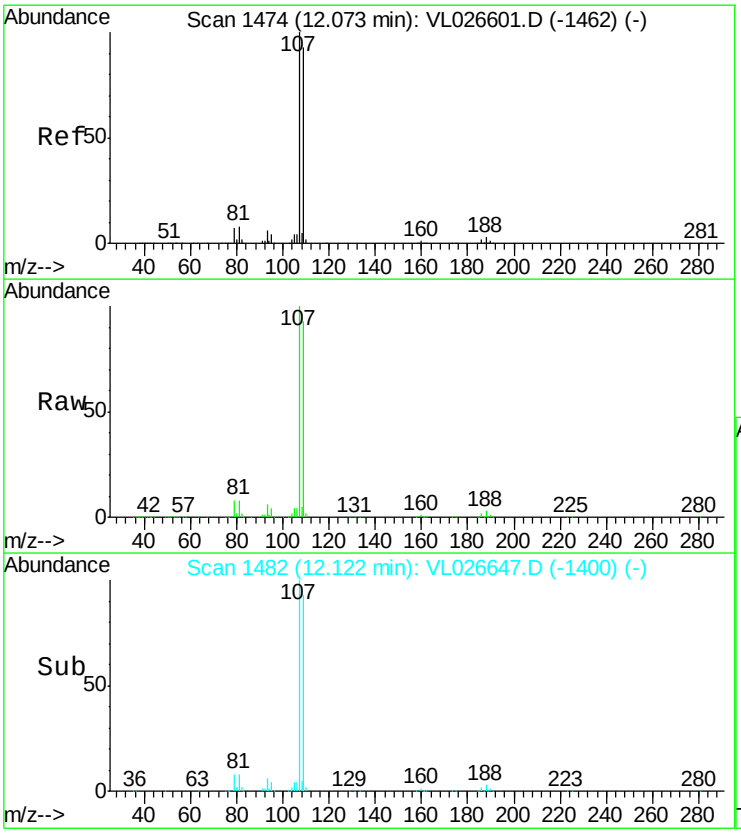
#53
Toluene
Concen: 10.00 ppbv
RT: 11.22 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3916986

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.2	72.4

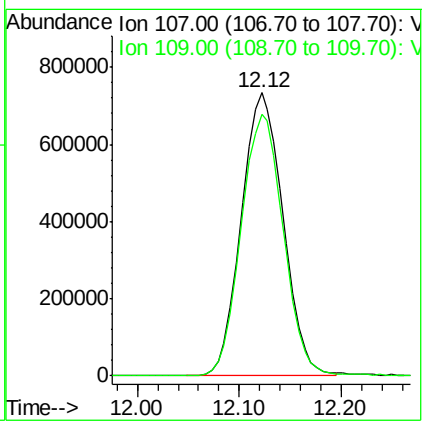


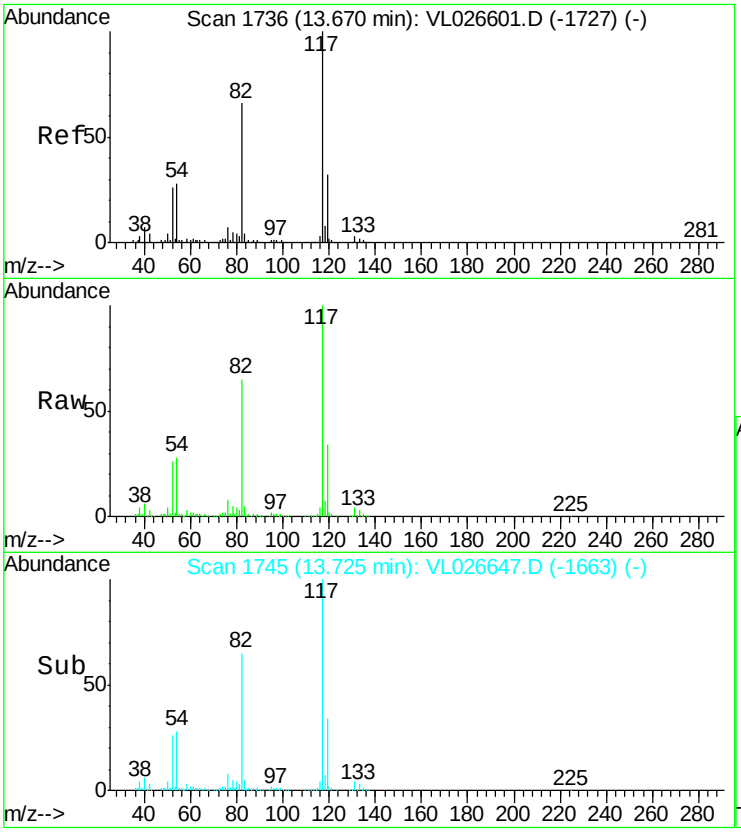


#54
1,2-Dibromoethane
Concen: 10.00 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:107 Resp: 2083715

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.1	111.1



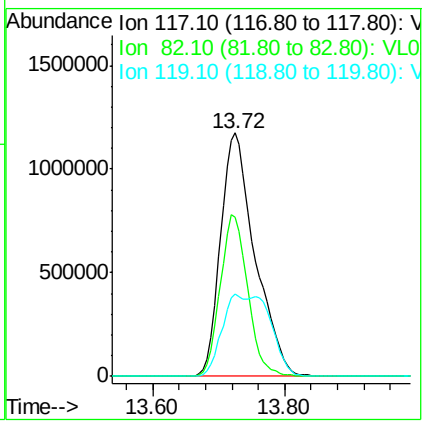


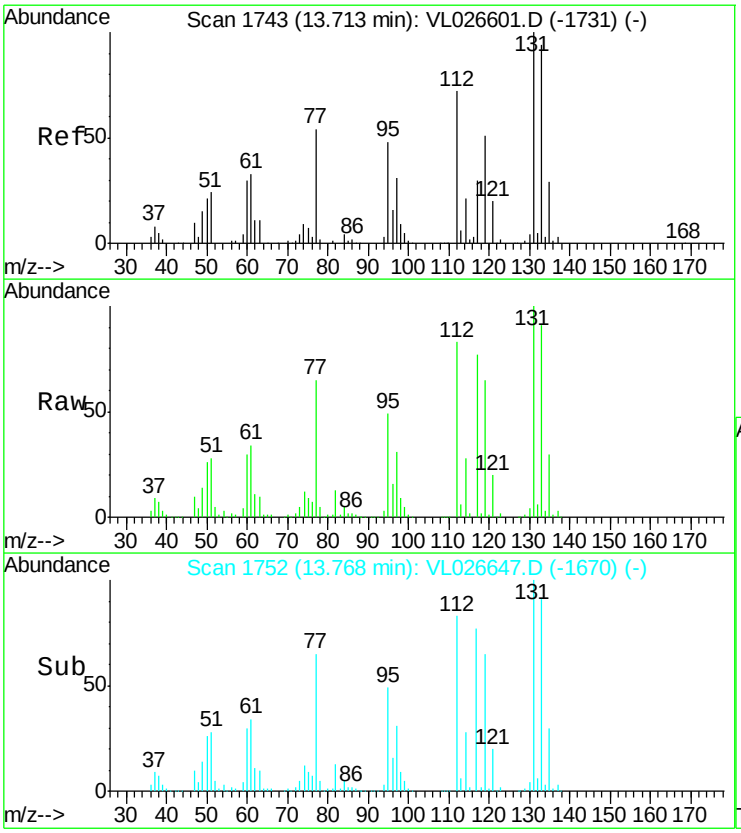
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 4236184

Ion	Ratio	Lower	Upper
117	100		
82	53.4	52.4	78.6
119	47.1	46.1	69.1

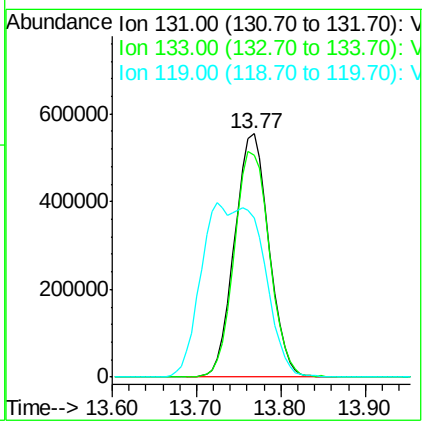


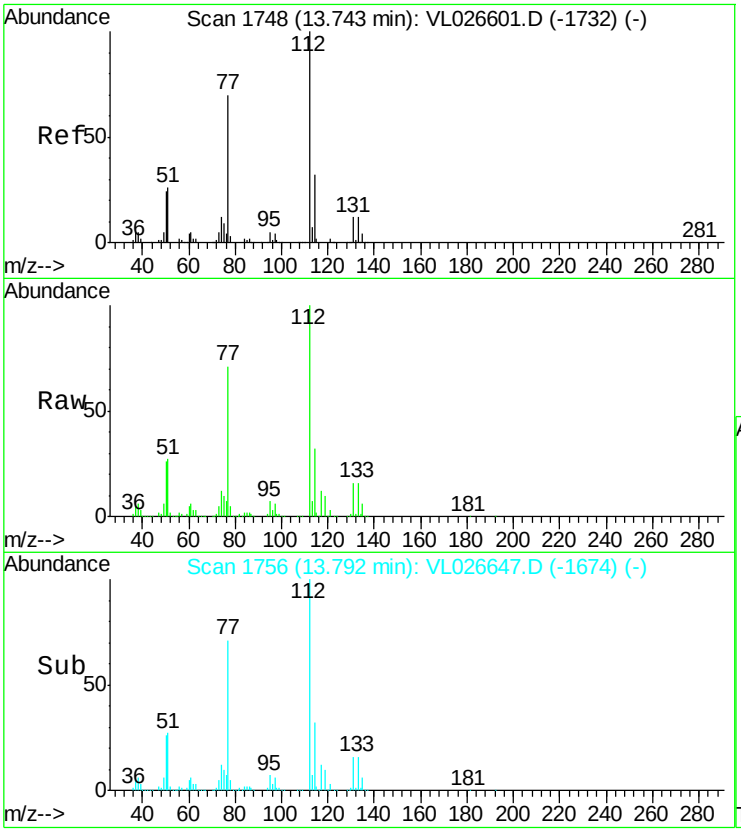


#56
1,1,1,2-Tetrachloroethane
Concen: 8.19 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:131 Resp: 1531527

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.4
119	130.4	104.3	156.5



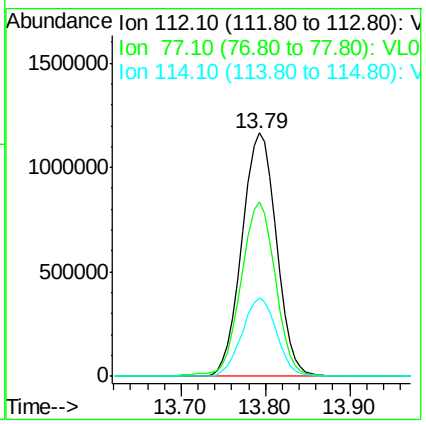


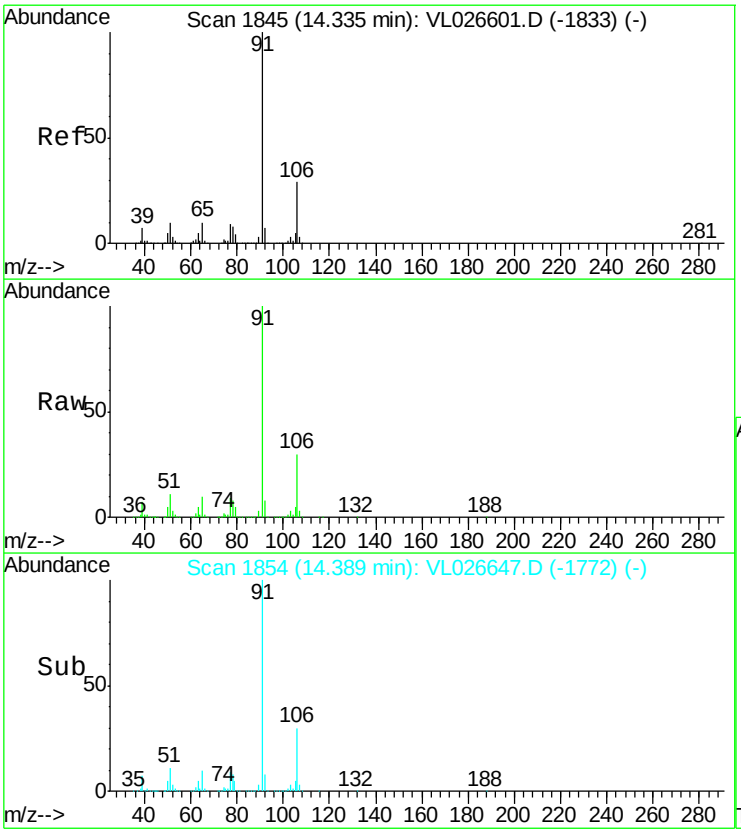
#57
Chlorobenzene
Concen: 8.19 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 3238048

Ion	Ratio	Lower	Upper
112	100		
77	71.1	56.9	85.3
114	32.0	28.8	35.2

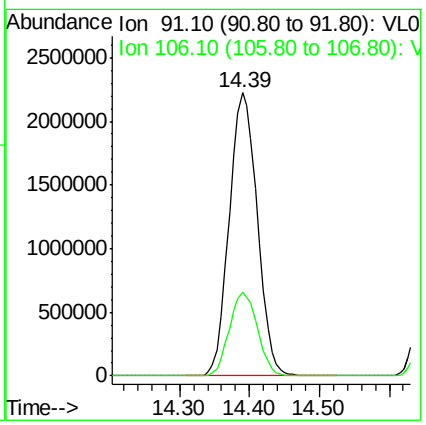


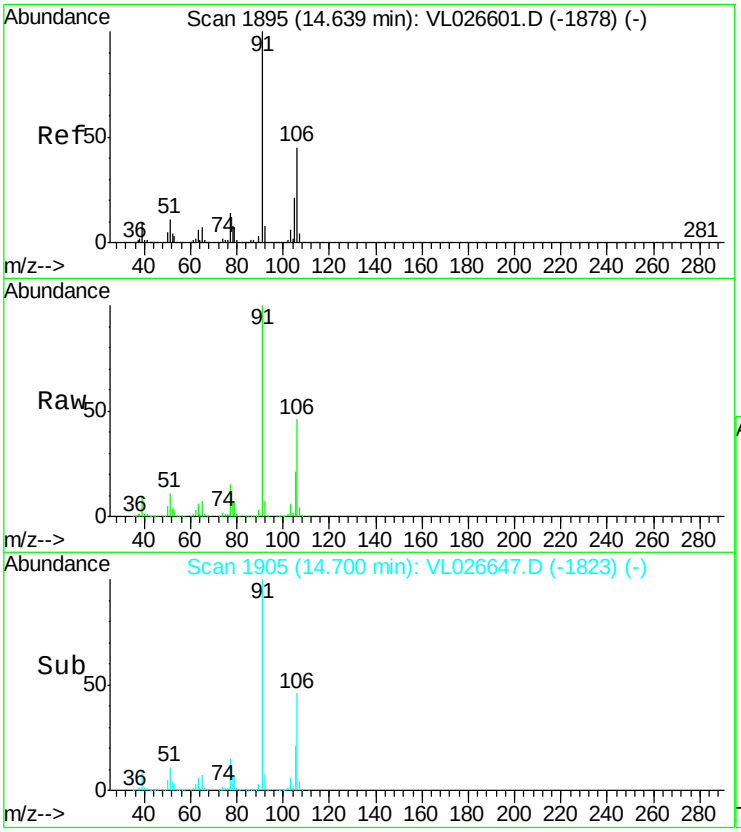


#58
Ethyl Benzene
Concen: 8.19 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 6189581

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6



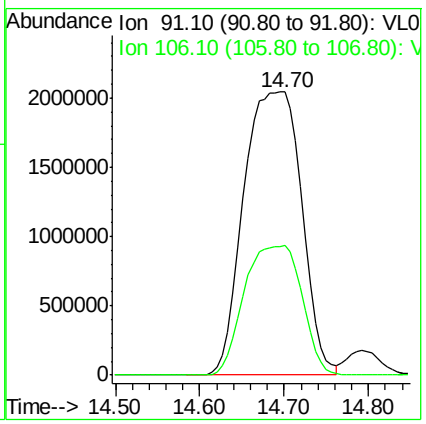


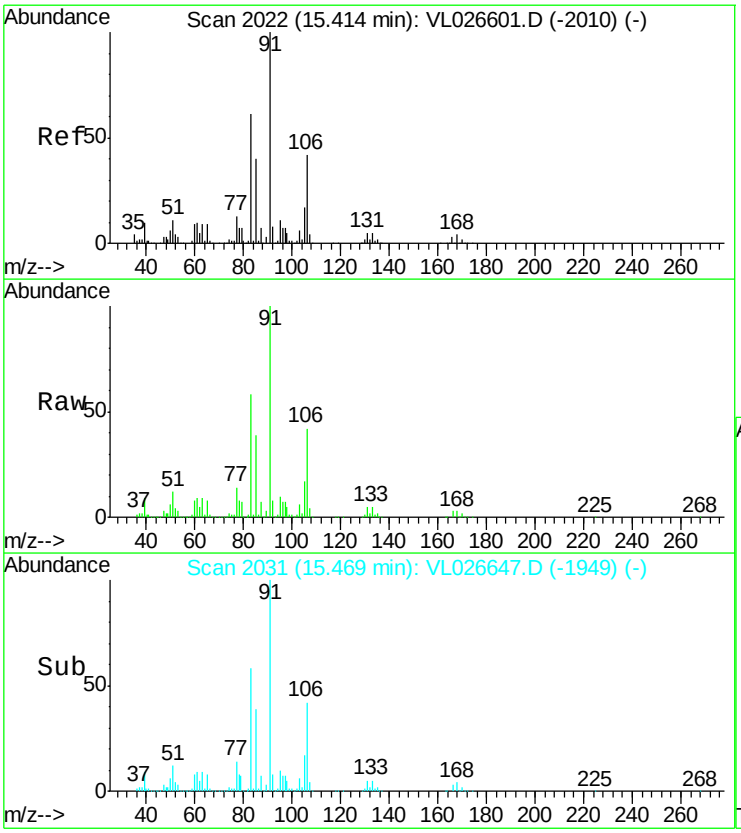
#59
m/p-Xylene
Concen: 16.38 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 9602433

Ion	Ratio	Lower	Upper
91	100		
106	45.8	36.6	55.0

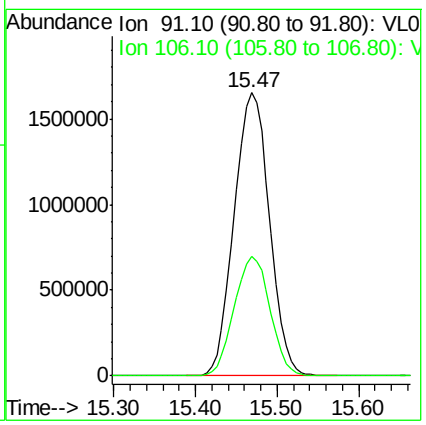


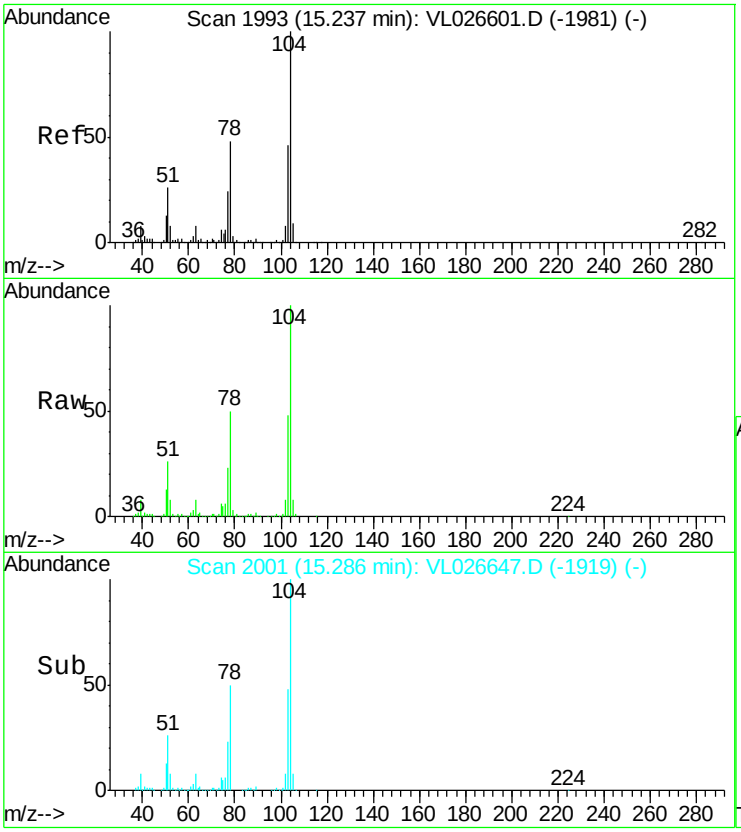


#60
o-Xylene
Concen: 8.19 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 4972456

Ion	Ratio	Lower	Upper
91	100		
106	43.0	21.4	64.3



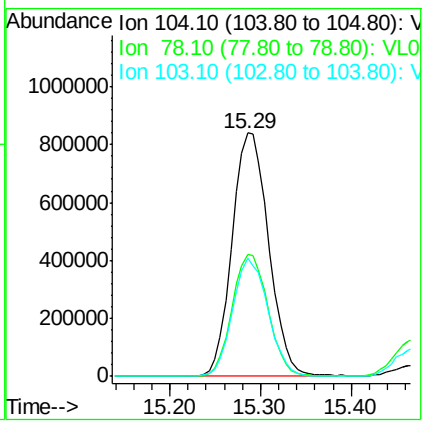


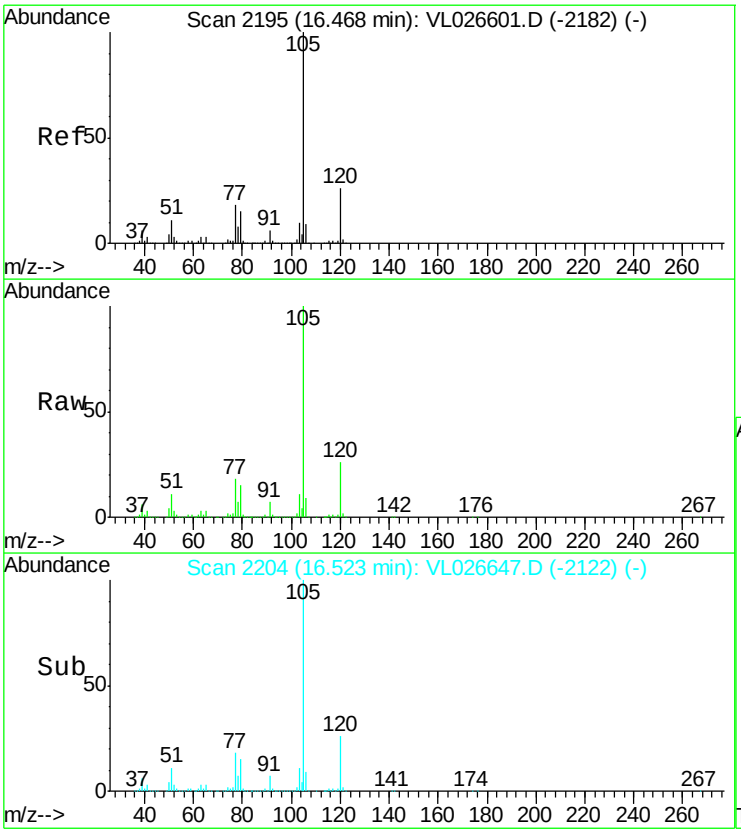
#61
Stvrene
Concen: 8.19 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2366606

Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.5	59.3
103	47.2	37.8	56.6

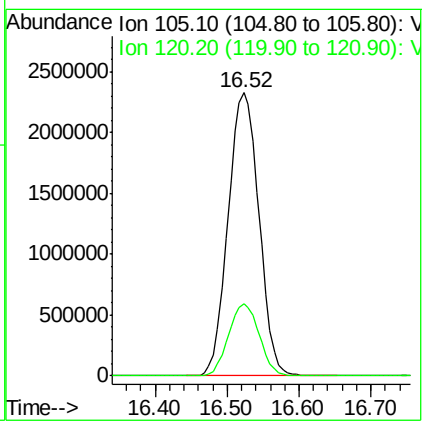


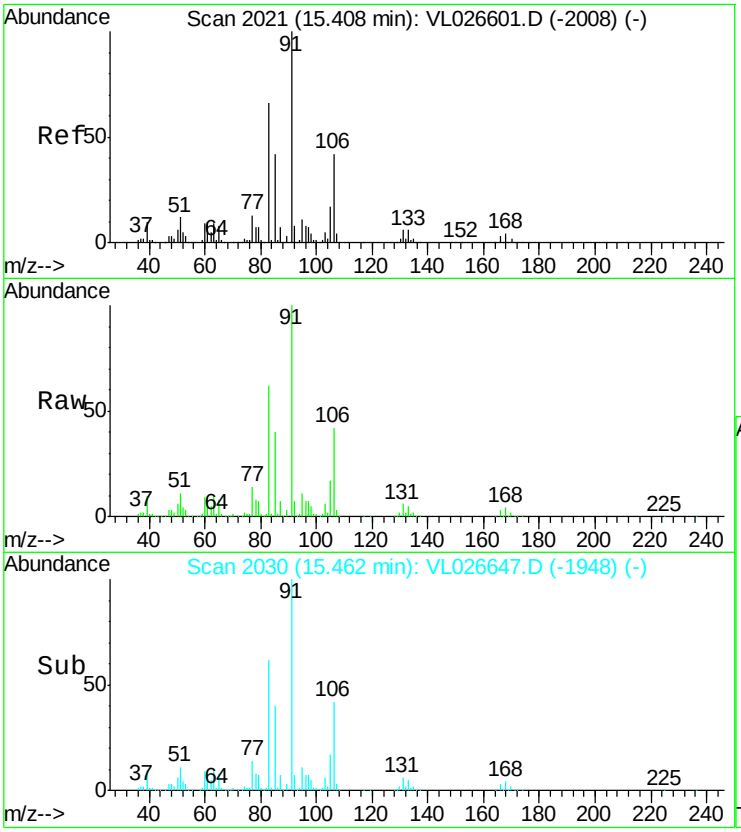


#62
Isopropylbenzene
Concen: 8.19 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 6924473

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5



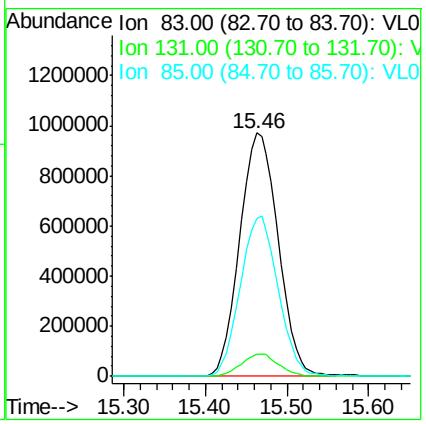


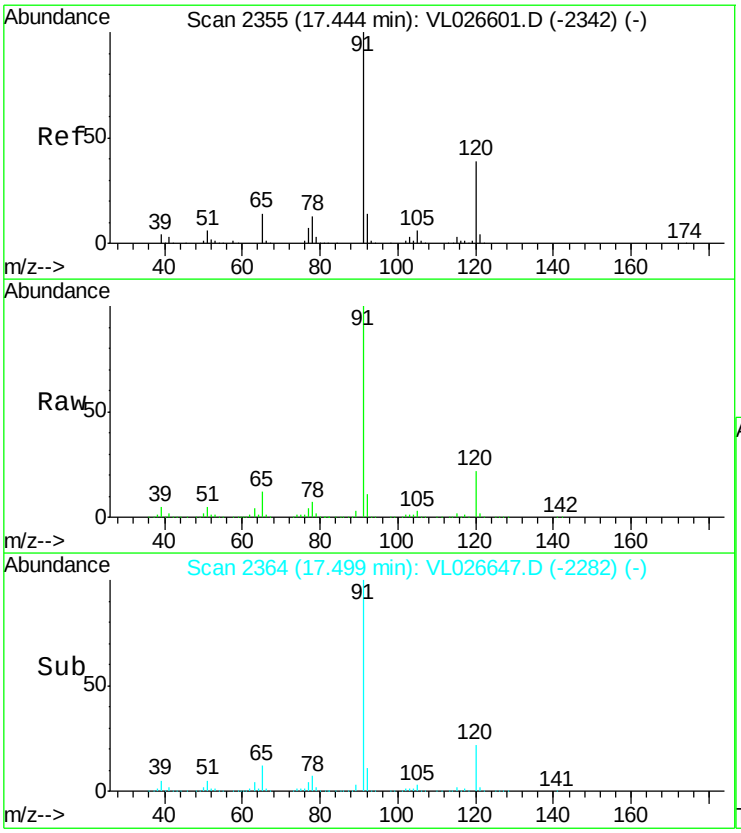
#63
1,1,2,2-Tetrachloroethane
Concen: 8.19 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 3185141

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	65.1	32.6	97.7

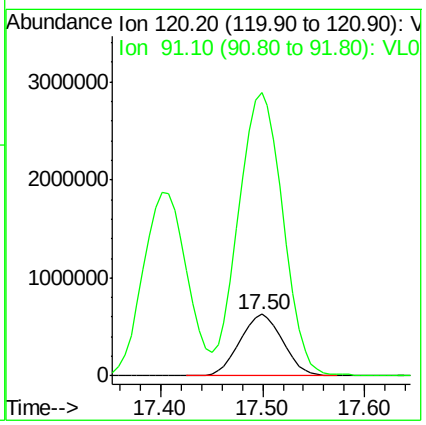


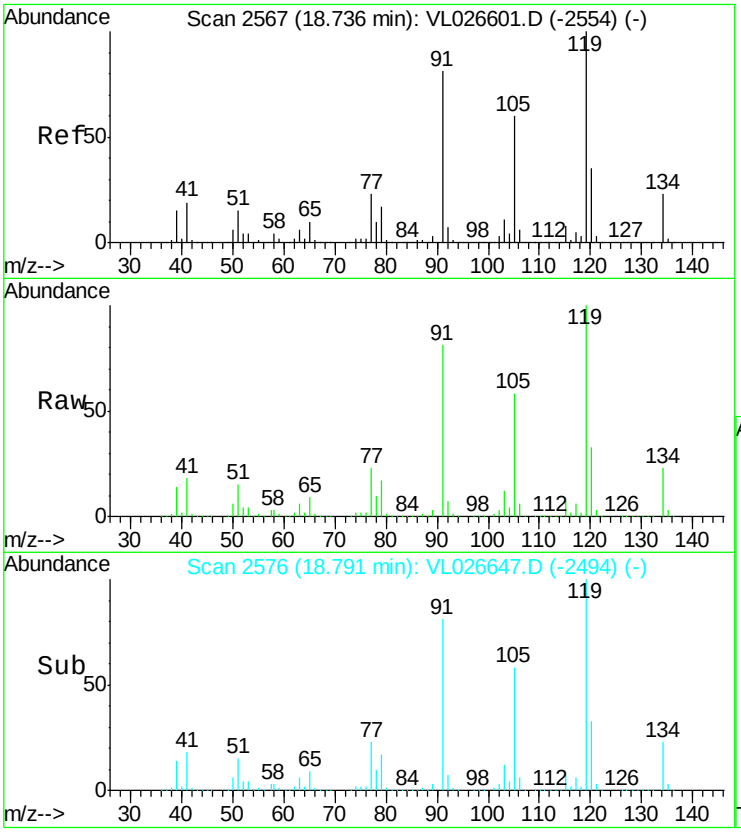


#64
n-propylbenzene
Concen: 8.19 ppbv
RT: 17.50 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:120 Resp: 1835052

Ion	Ratio	Lower	Upper
120	100		
91	469.7	380.9	571.3



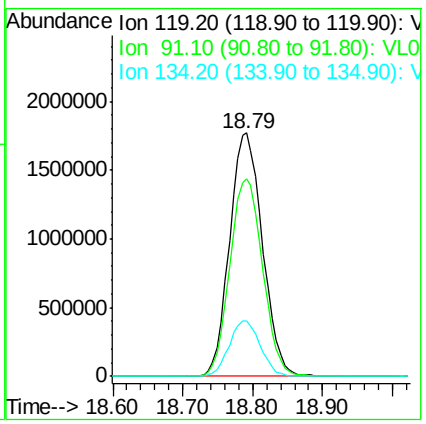


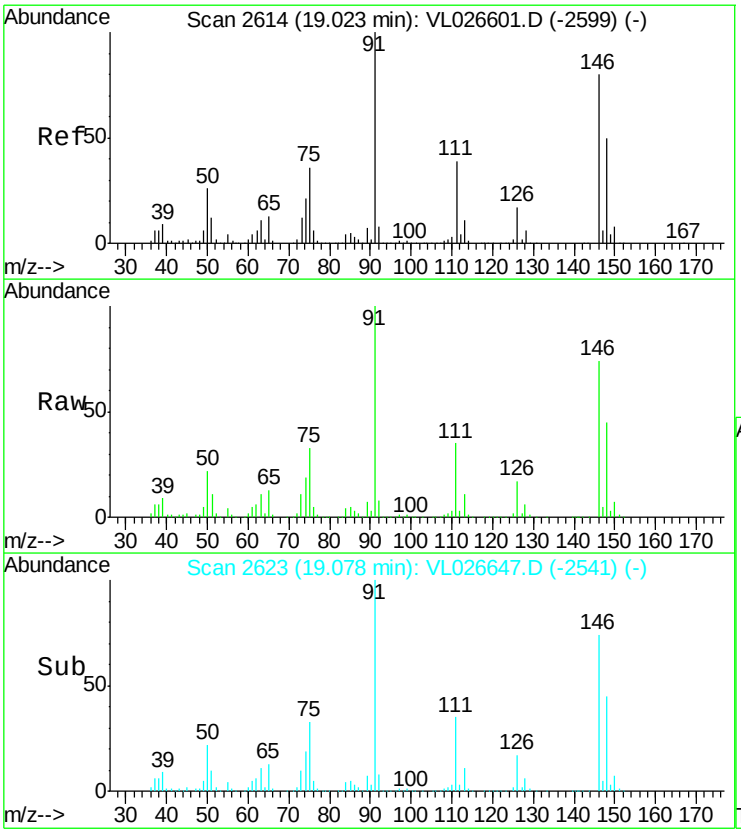
#65
tert-Butylbenzene
Concen: 8.19 ppbv
RT: 18.79 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 5765505

Ion	Ratio	Lower	Upper
119	100		
91	81.0	64.8	97.2
134	21.7	17.4	26.0

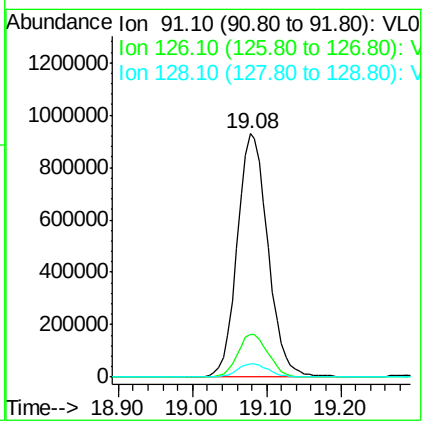


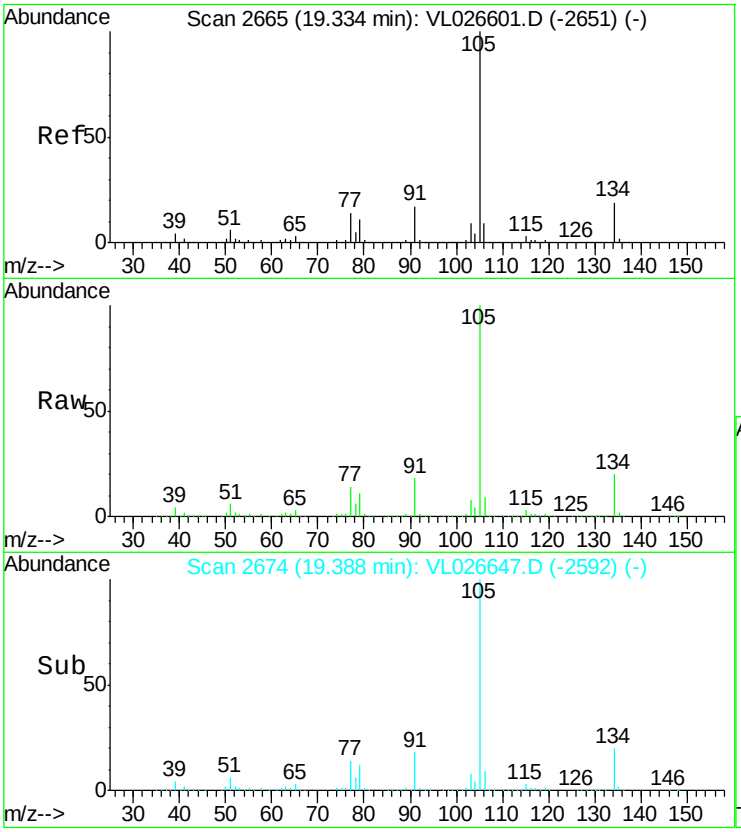


#66
Benzyl Chloride
Concen: 8.19 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 2677167

Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.2
128	5.6	4.5	6.7



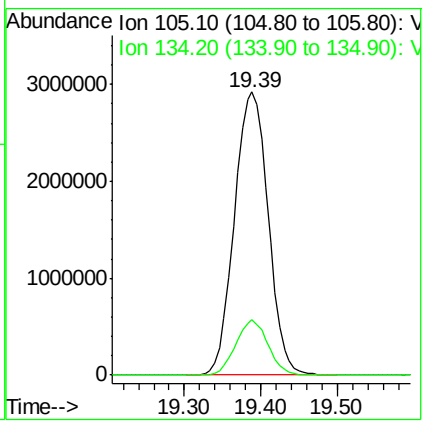


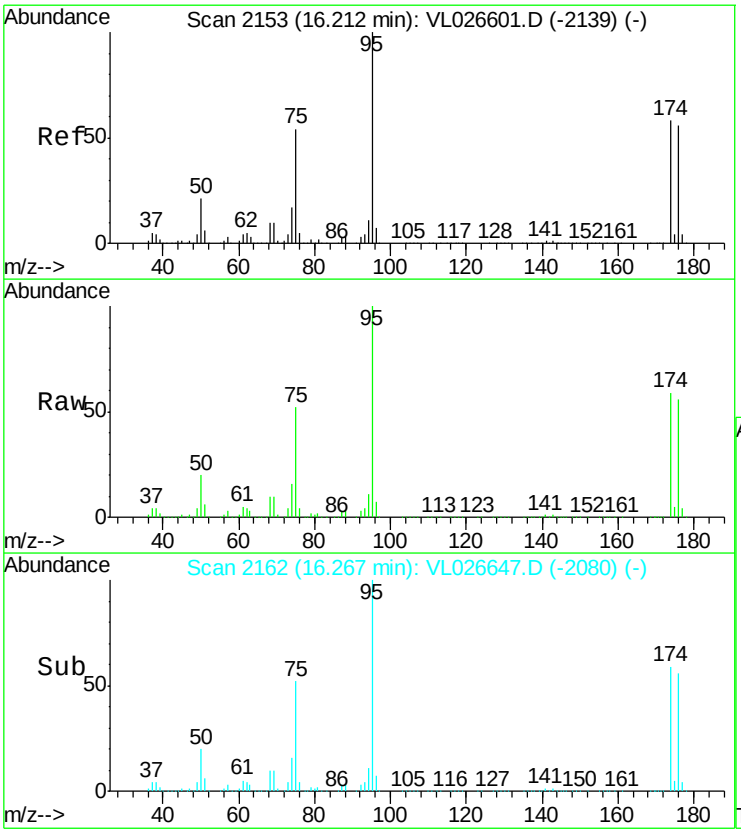
#67
sec-Butylbenzene
Concen: 8.19 ppbv
RT: 19.39 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 8968229

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3

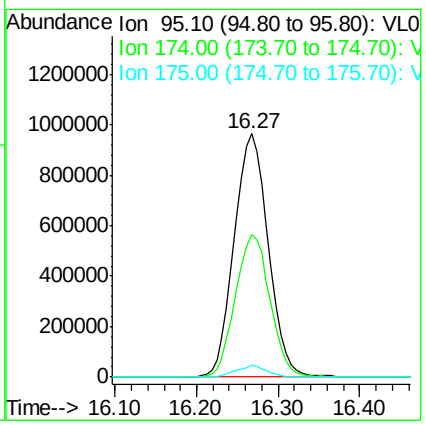


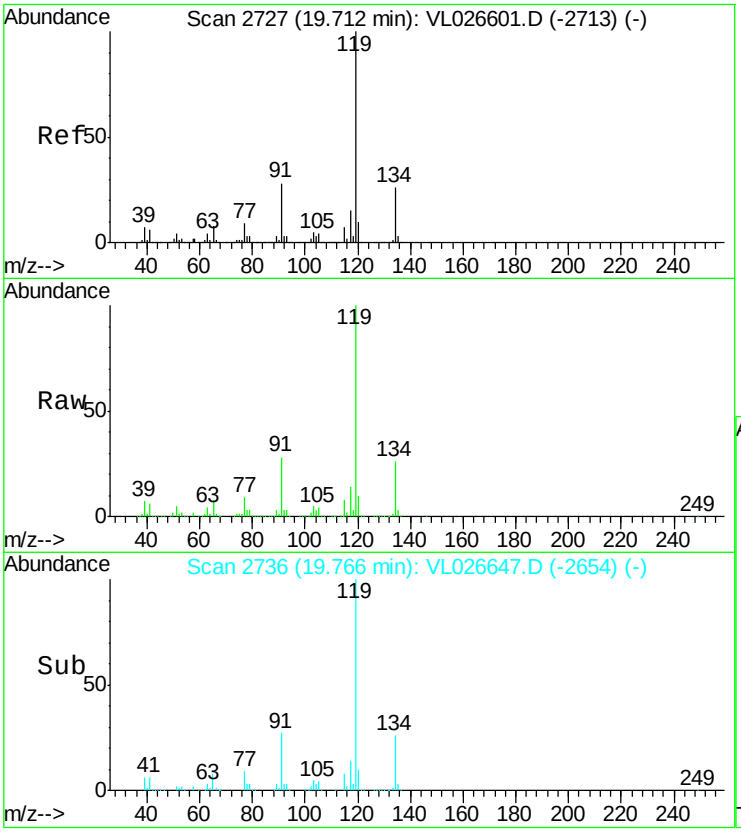


#68
1-Bromo-4-Fluorobenzene
Concen: 8.19 ppbv
RT: 16.27 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 95 Resp: 2796800

Ion	Ratio	Lower	Upper
95	100		
174	59.8	47.8	71.6
175	4.5	3.5	5.3



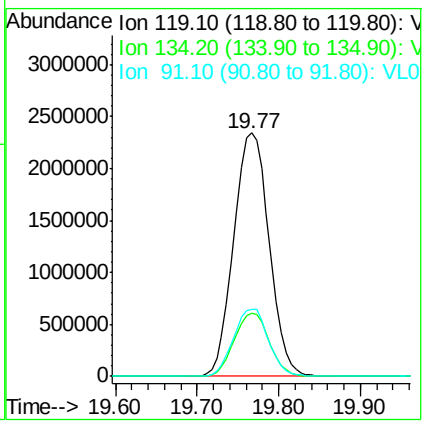


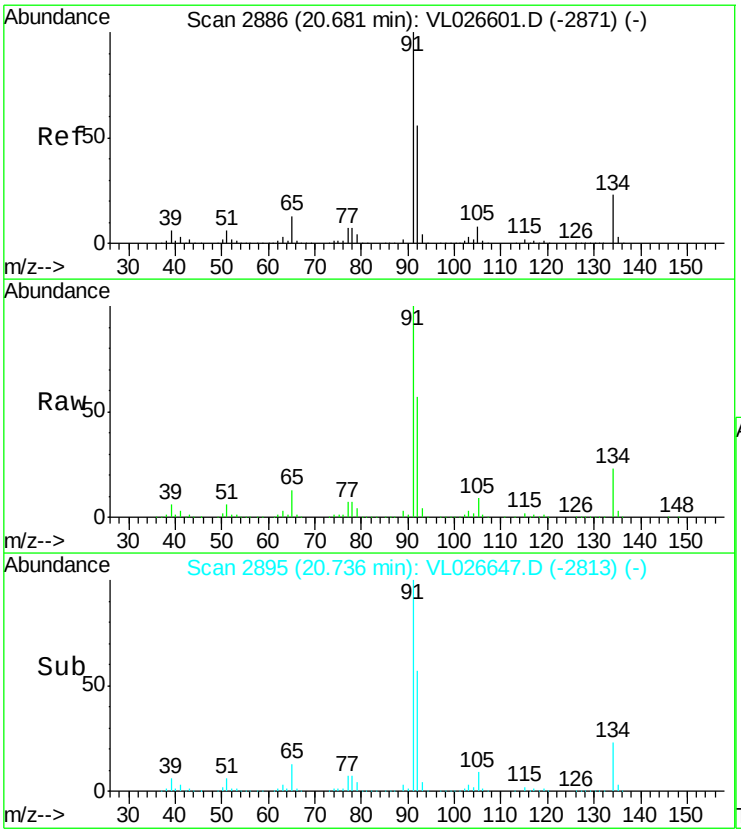
#69
p-Isopropyltoluene
Concen: 8.19 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 7056926

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	27.1	21.8	32.6

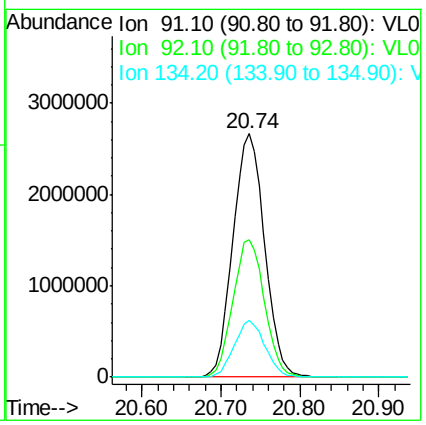


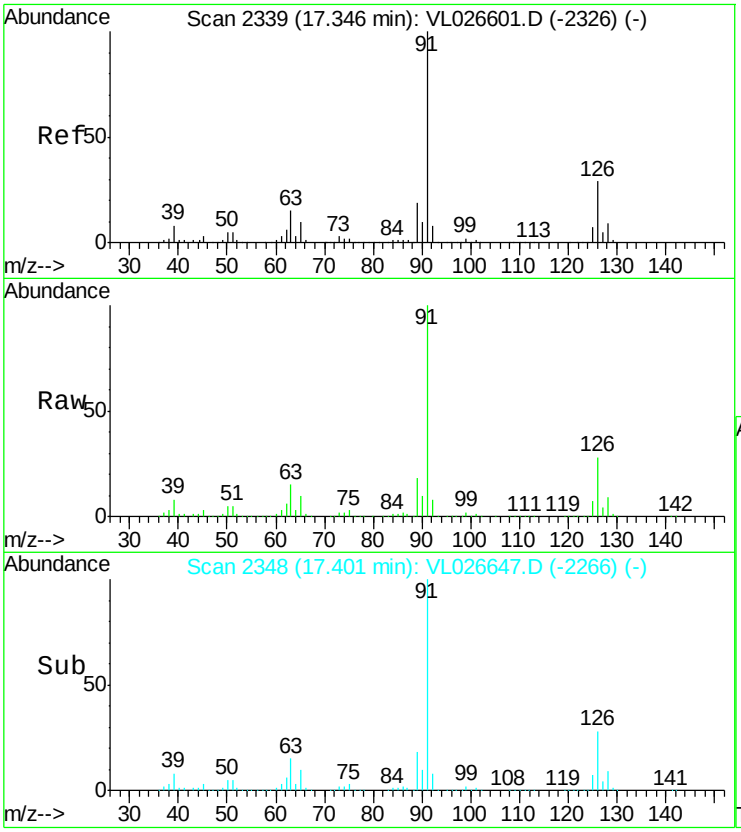


#70
n-Butylbenzene
Concen: 8.19 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 7434518

Ion	Ratio	Lower	Upper
91	100		
92	56.2	45.0	67.6
134	22.7	18.2	27.2



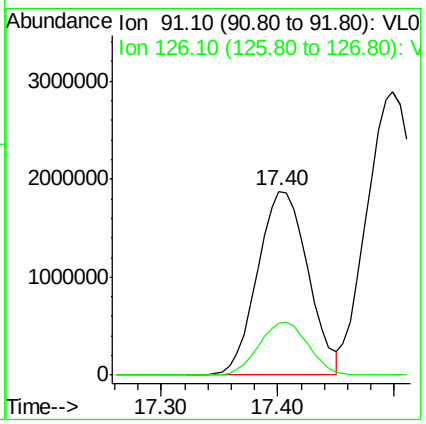


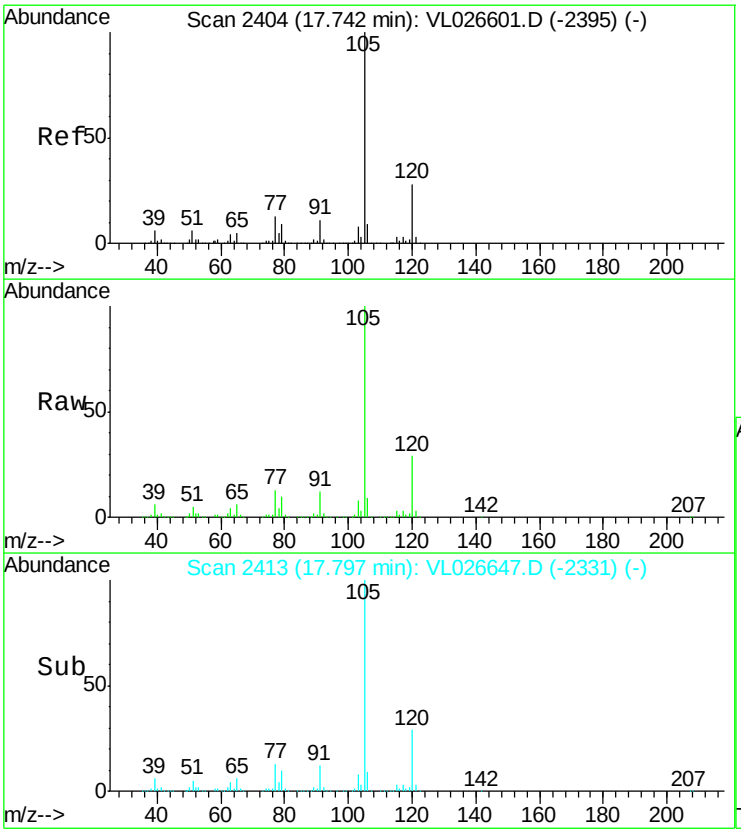
#71
2-Chlorotoluene
Concen: 8.19 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 5634751

Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.4	45.8

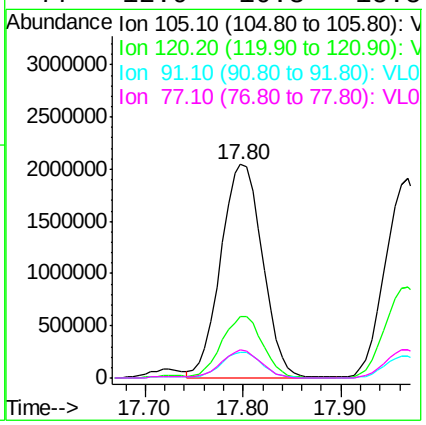


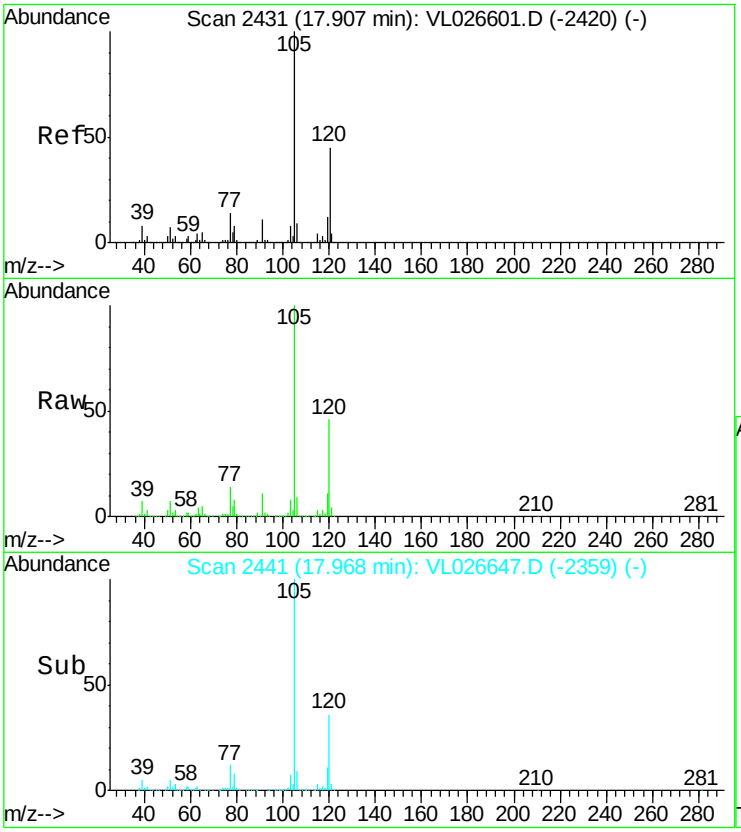


#72
4-Ethyltoluene
Concen: 8.19 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 6053110

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.8	35.6
91	12.1	9.5	14.3
77	12.9	10.3	15.5



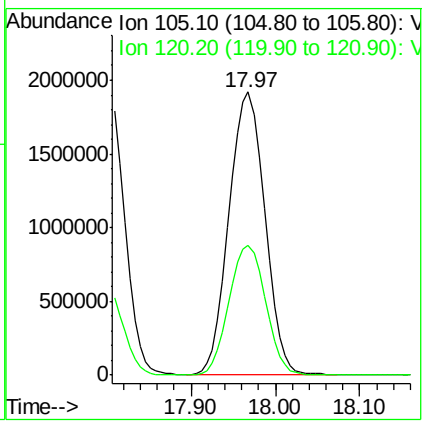


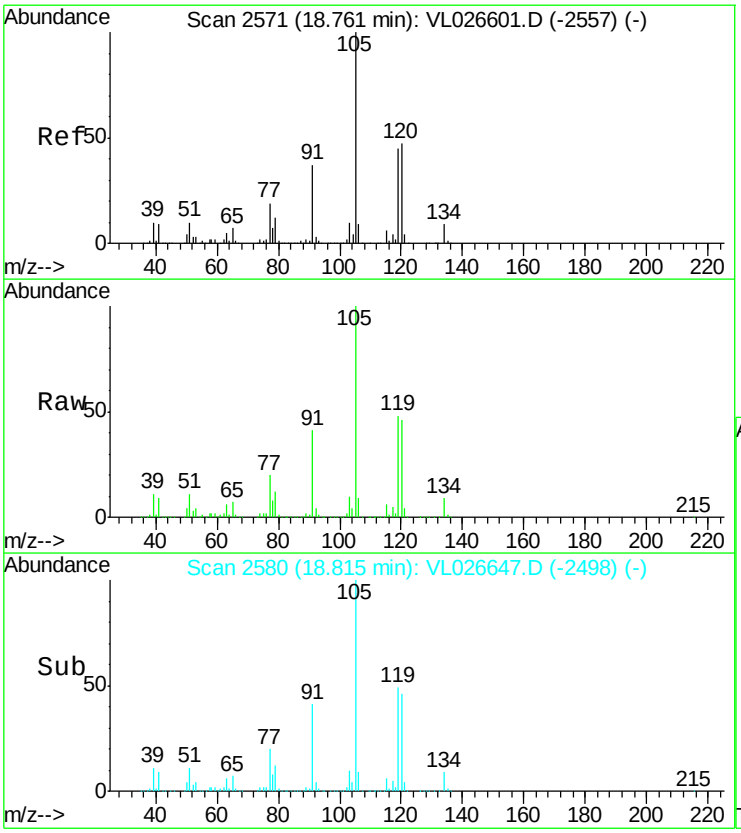
#73
1,3,5-Trimethylbenzene
Concen: 8.19 ppbv
RT: 17.97 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 5562502

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.6	54.8

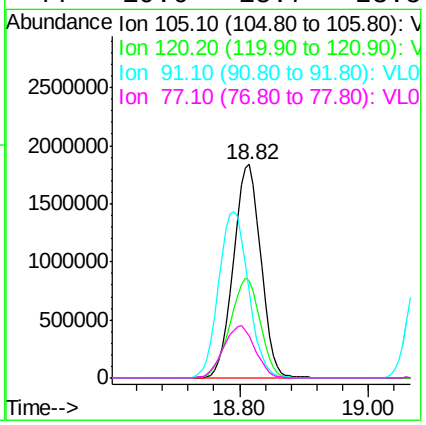


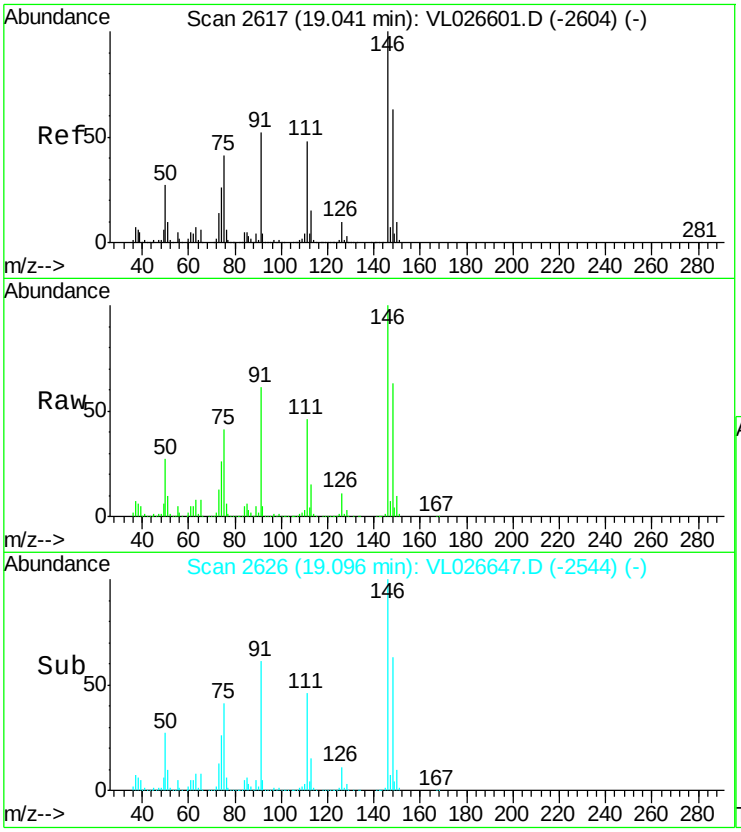


#74
1,2,4-Trimethylbenzene
Concen: 8.19 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 5419317

Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.6	55.0
91	40.6	32.5	48.7
77	19.6	15.7	23.5



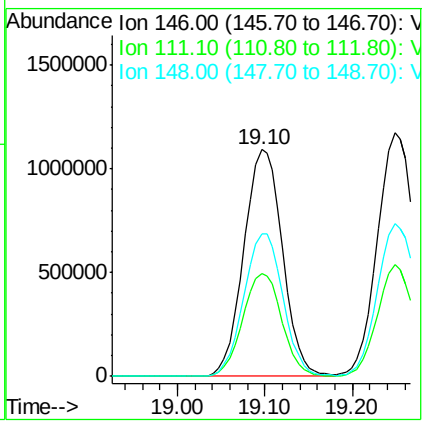


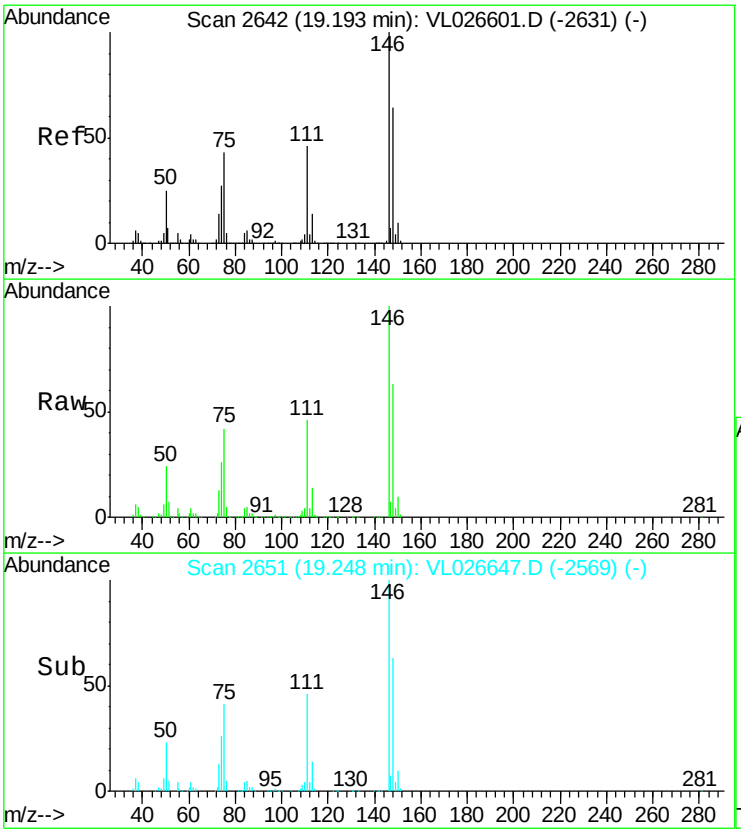
#75
1,3-Dichlorobenzene
Concen: 8.19 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3376513

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.5
148	63.3	31.6	95.0

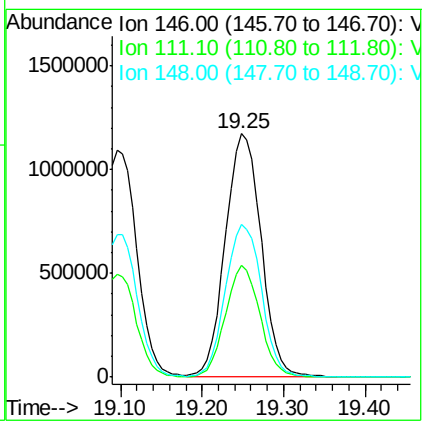


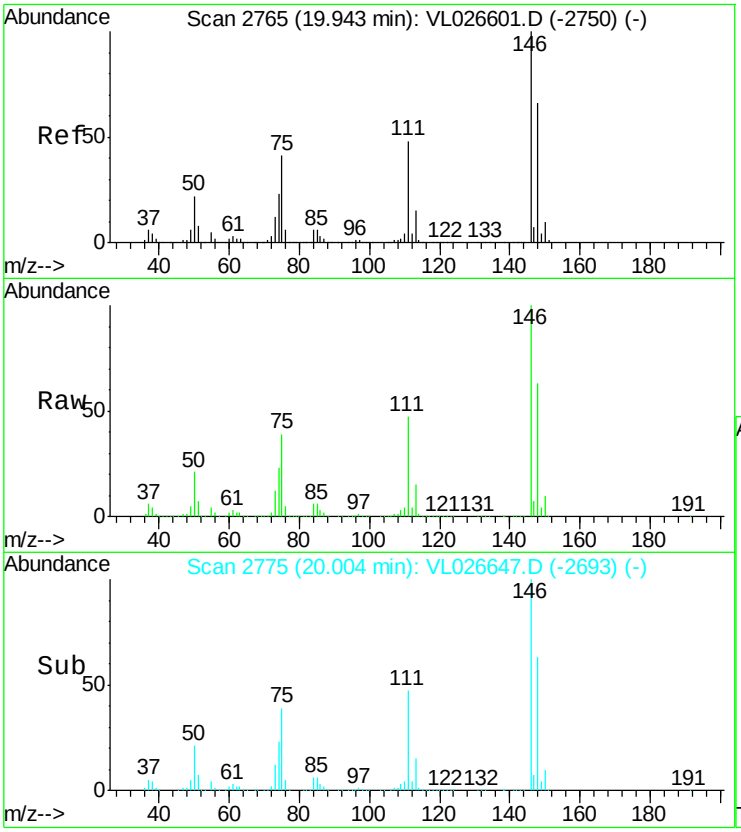


#76
1,4-Dichlorobenzene
Concen: 8.19 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:146 Resp: 3554027

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.8
148	63.9	31.9	95.9



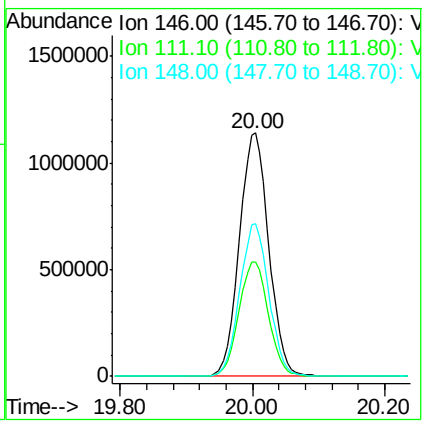


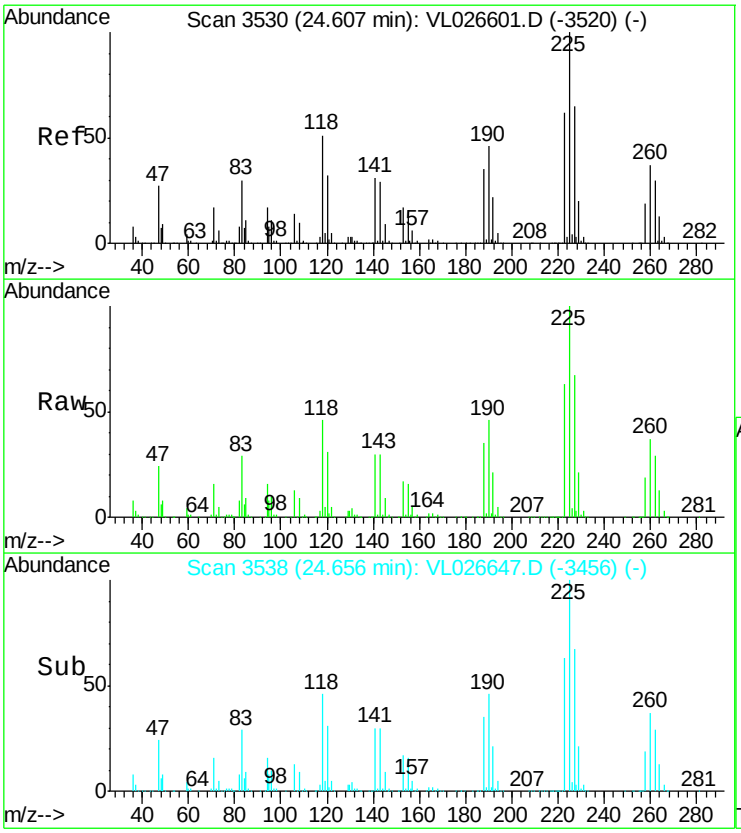
#77
1,2-Dichlorobenzene
Concen: 8.19 ppbv
RT: 20.00 min Scan# 2775
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3526427

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	62.3	31.1	93.5

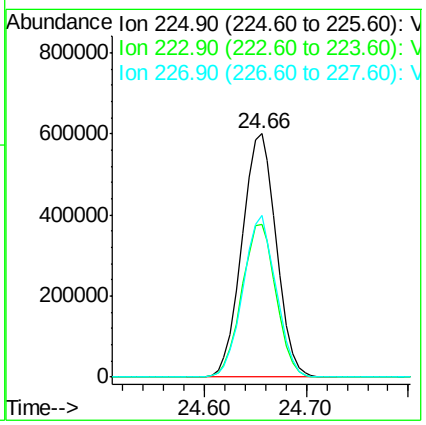


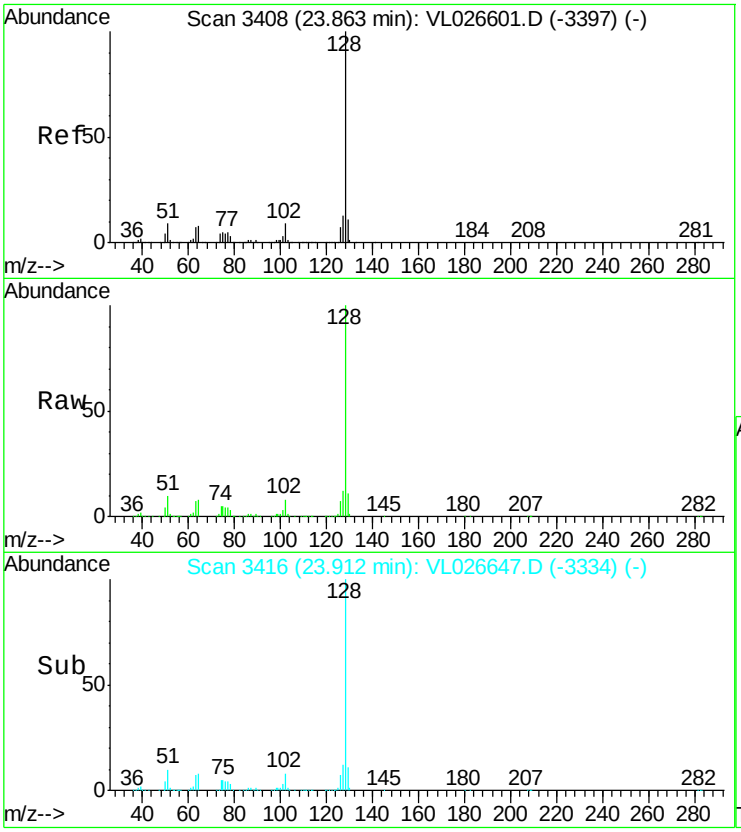


#78
Hexachloro-1,3-Butadiene
Concen: 8.19 ppbv
RT: 24.66 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:225 Resp: 1406603

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.0	75.0
227	63.9	51.1	76.7



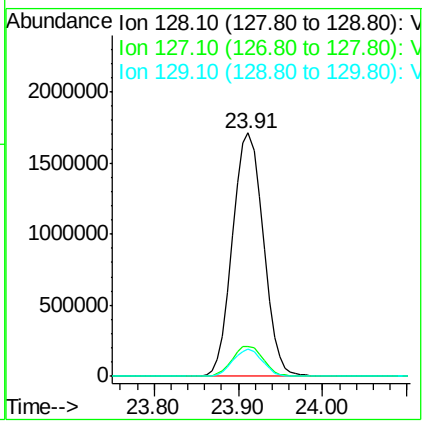


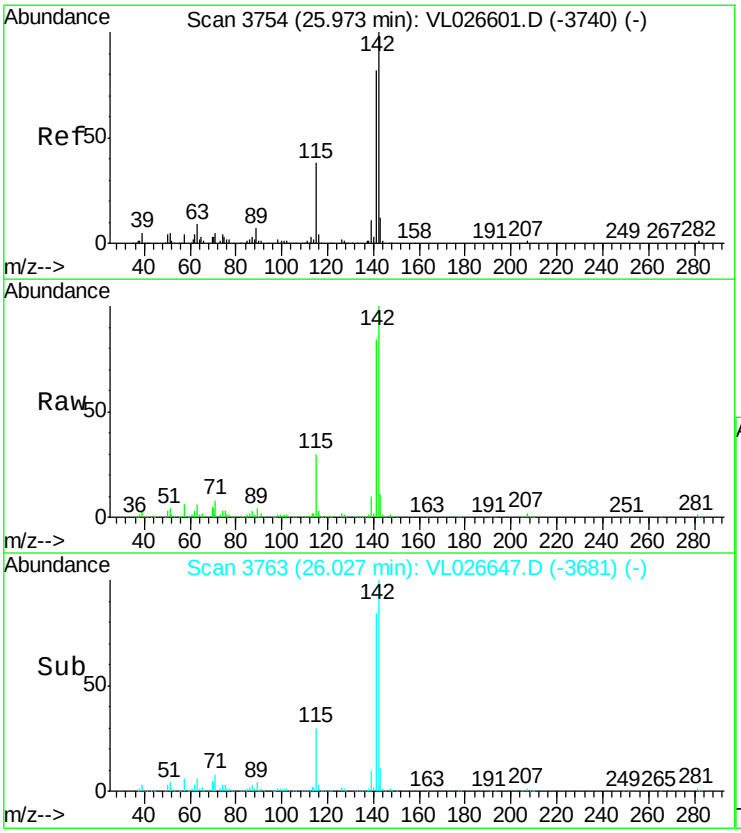
#79
Naphthalene
Concen: 8.19 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 4242887

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	11.1	8.9	13.3

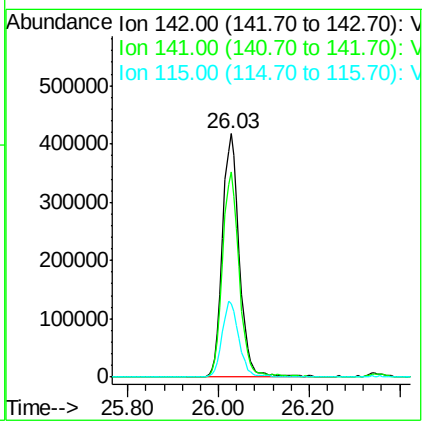


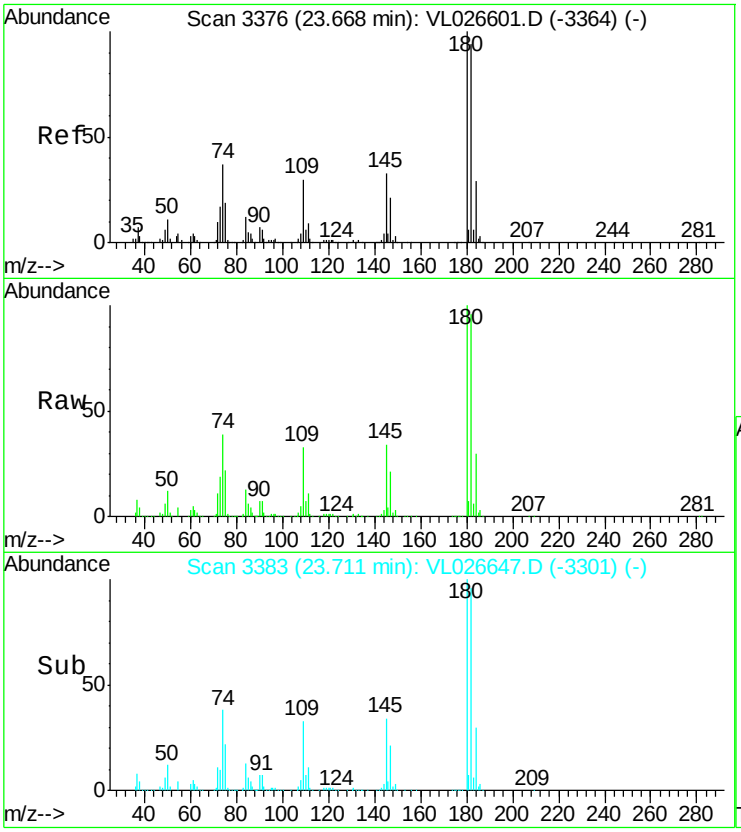


#80
Naphthalene,2-methyl-
Concen: 8.20 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:142 Resp: 1084827

Ion	Ratio	Lower	Upper
142	100		
141	83.8	66.8	100.2
115	30.9	24.7	37.1





#81
1,2,4-Trichlorobenzene
Concen: 8.19 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1831194

Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	30.1	24.1	36.1