Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026179.D
Acq On : 9 Oct 2015 16:11
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:17:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	885604	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	2516951	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.78	117	3534016	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.32	95	2279007	8.40	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	1598813	9.63	ppbv	99
3) Chlorodifluoromethane	3.58	51	857488	8.29	ppbv	100
4) Chloromethane	3.76	50	532825	9.13	ppbv	99
5) Vinyl Chloride	3.90	62	541570	9.21	ppbv	98
6) Bromomethane	4.16	94	407942	9.64	ppbv	98
7) Chloroethane	4.25	64	238841	9.35	ppbv	97
8) Dichlorotetrafluoroethane	3.82	85	1302932	8.99	ppbv	100
9) Propene	3.60	41	439699	9.26	ppbv	99
10) Heptane	9.38	43	1500992	9.09	ppbv	99
11) Trichlorofluoromethane	4.71	101	1500914	9.21	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1003227	9.09	ppbv	100
13) Ethanol	4.34	45	65007	9.31	ppbv	99
14) Bromoethene	4.47	108	425720	9.36	ppbv	100
15) Acetone	4.62	43	918479	8.02	ppbv	100
16) 1,3-Butadiene	3.98	39	487263	9.21	ppbv	100
17) tert-Butyl alcohol	5.14	59	732172	10.61	ppbv	100
18) 1,1-Dichloroethene	5.10	96	463174	9.27	ppbv	99
19) Isopropyl Alcohol	4.76	45	454236	10.19	ppbv	99
20) Methylene Chloride	5.17	84	428902	8.80	ppbv	98
21) Allyl Chloride	5.24	41	706066	9.45	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	591003	9.24	ppbv	98
23) Vinyl Acetate	6.01	43	1889744	9.33	ppbv	100
24) 1,1-Dichloroethane	5.93	63	1271114	9.20	ppbv	99
25) Ethyl Acetate	6.69	43	2003778	9.05	ppbv	100
26) Hexane	6.68	57	973924	9.08	ppbv	99
27) Carbon Disulfide	5.41	76	1287892	10.03	ppbv	100
28) Methyl tert-Butyl Ether	5.98	73	1636590	9.47	ppbv	99
29) Chloroform	6.78	83	1458390	9.18	ppbv	99
30) Cyclohexane	8.31	84	967046	9.47	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	939202	9.61	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1457463	9.60	ppbv	100
34) 2-Butanone	6.22	43	1273355	9.09	ppbv	100
35) Carbon Tetrachloride	8.19	117	1520824	9.54	ppbv	99
36) Benzene	8.05	78	2180776	9.06	ppbv	98
37) 1,2-Dichloroethane	7.40	62	1172061	9.09	ppbv	99
38) Trichloroethene	9.09	130	870647	7.88	ppbv	99
39) 1,2-Dichloropropane	8.85	63	796976	8.91	ppbv	99
40) 1,4-Dioxane	9.15	88	181166	12.31	ppbv #	1
41) Tetrahydrofuran	7.15	42	766306	9.71	ppbv	98
42) Bromodichloromethane	9.06	83	1604157	9.45	ppbv	98
43) Methyl Methacrylate	9.29	69	843675	9.95	ppbv	100

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026179.D
Acq On : 9 Oct 2015 16:11
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:17:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	3516121	8.78	ppbv		100
45) t-1,3-Dichloropropene	10.68	75	1229092	10.53	ppbv		99
46) cis-1,3-Dichloropropene	10.05	75	1455536	10.16	ppbv		99
47) 1,1,2-Trichloroethane	10.91	97	960164	8.95	ppbv		98
48) Dibromochloromethane	11.84	129	1478451	9.72	ppbv		99
49) Bromoform	14.85	173	1167871	10.20	ppbv		99
50) 4-Methyl-2-Pentanone	10.12	43	1785364	9.64	ppbv		100
51) 2-Hexanone	11.65	43	1696107	10.18	ppbv	#	100
52) Tetrachloroethene	12.82	164	921062	7.75	ppbv		98
53) Toluene	11.27	91	2847561	9.18	ppbv		100
54) 1,2-Dibromoethane	12.18	107	1450208	9.02	ppbv		98
56) 1,1,1,2-Tetrachloroethane	13.82	131	1073736	7.58	ppbv		98
57) Chlorobenzene	13.85	112	2312974	7.25	ppbv		99
58) Ethyl Benzene	14.44	91	3981187	7.76	ppbv		99
59) m/p-Xylene	14.75	91	6174065	14.99	ppbv		100
60) o-Xylene	15.52	91	3135057	7.26	ppbv		100
61) Styrene	15.35	104	1511579	8.56	ppbv		100
62) Isopropylbenzene	16.58	105	4326513	7.60	ppbv		99
63) 1,1,2,2-Tetrachloroethane	15.52	83	2077646	6.48	ppbv		100
64) n-propylbenzene	17.55	120	1174921	7.67	ppbv		97
65) tert-Butylbenzene	18.85	119	3690776	7.35	ppbv		100
66) Benzyl Chloride	19.14	91	1377426	9.23	ppbv		100
67) sec-Butylbenzene	19.44	105	5298671	7.57	ppbv		100
69) p-Isopropyltoluene	19.83	119	4359279	7.79	ppbv		100
70) n-Butylbenzene	20.79	91	4203028	7.83	ppbv		100
71) 2-Chlorotoluene	17.46	91	3219210	7.75	ppbv		99
72) 4-Ethyltoluene	17.85	105	3625159	7.87	ppbv		100
73) 1,3,5-Trimethylbenzene	18.02	105	3349033	7.74	ppbv		98
74) 1,2,4-Trimethylbenzene	18.87	105	3325262	7.32	ppbv		96
75) 1,3-Dichlorobenzene	19.16	146	2139815	7.37	ppbv		100
76) 1,4-Dichlorobenzene	19.31	146	2208927	7.54	ppbv		99
77) 1,2-Dichlorobenzene	20.07	146	2100749	7.40	ppbv		100
78) Hexachloro-1,3-Butadiene	24.70	225	711942	6.25	ppbv		99
79) Naphthalene	23.95	128	2101260	7.37	ppbv		100
80) Naphthalene,2-methyl-	26.07	142	379984	5.94	ppbv		100
81) 1,2,4-Trichlorobenzene	23.76	180	1007176	7.13	ppbv		100

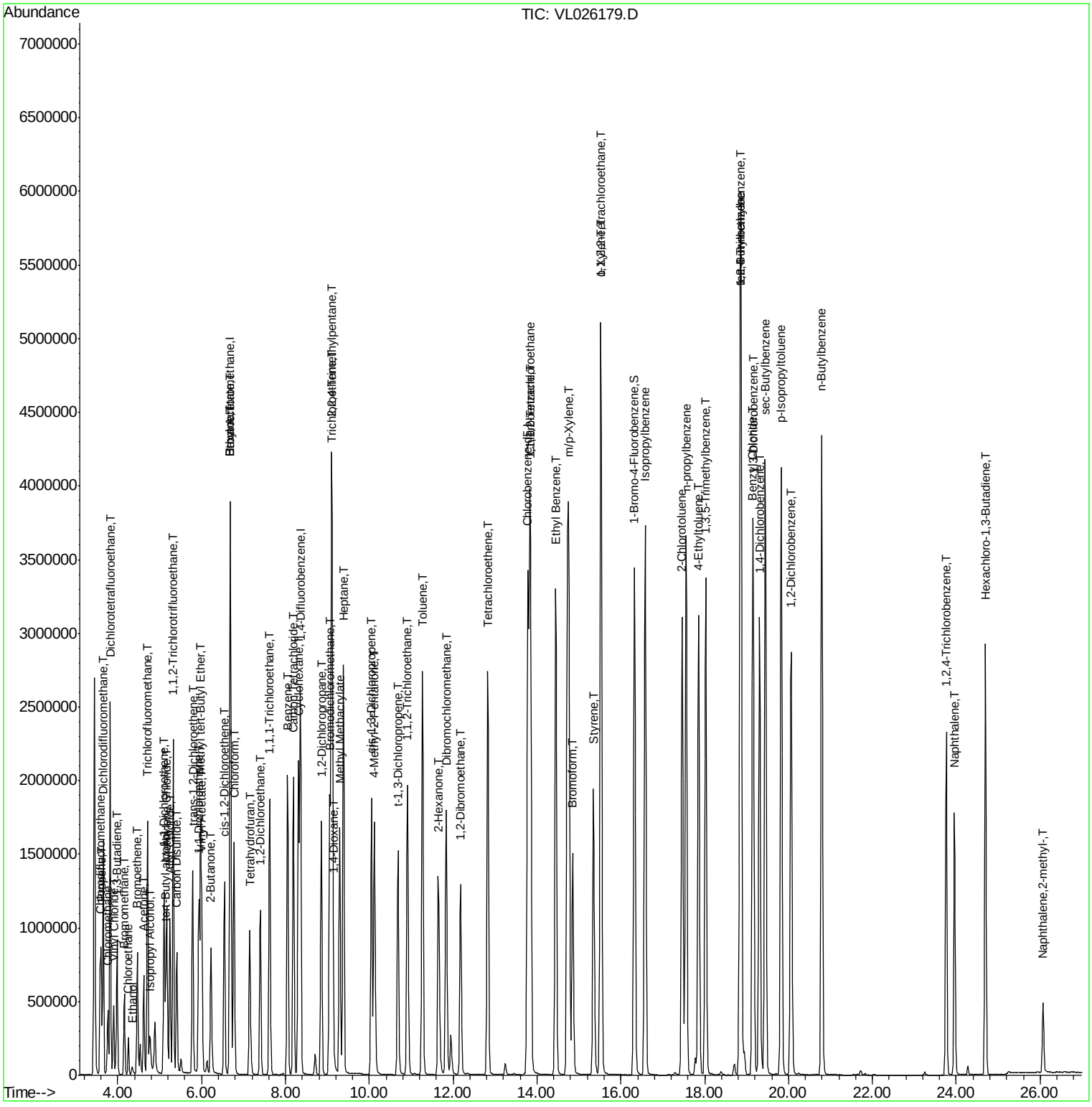
(#) = qualifier out of range (m) = manual integration (+) = signals summed

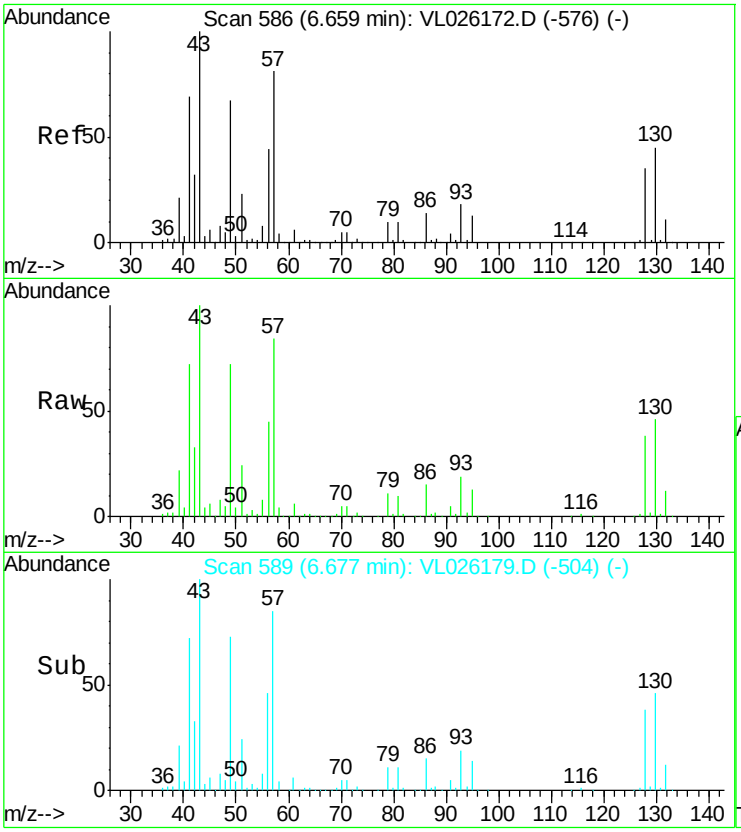
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL100915\
Data File : VL026179.D
Acq On : 9 Oct 2015 16:11
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 10 00:17:13 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 09 16:23:14 2015
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration



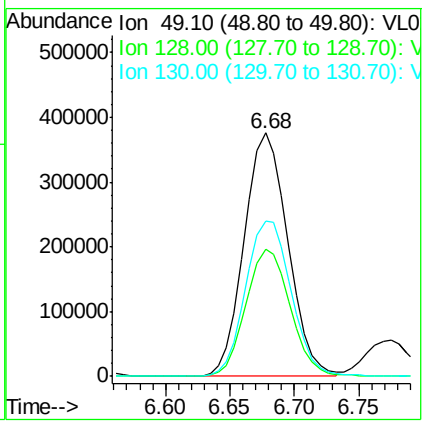


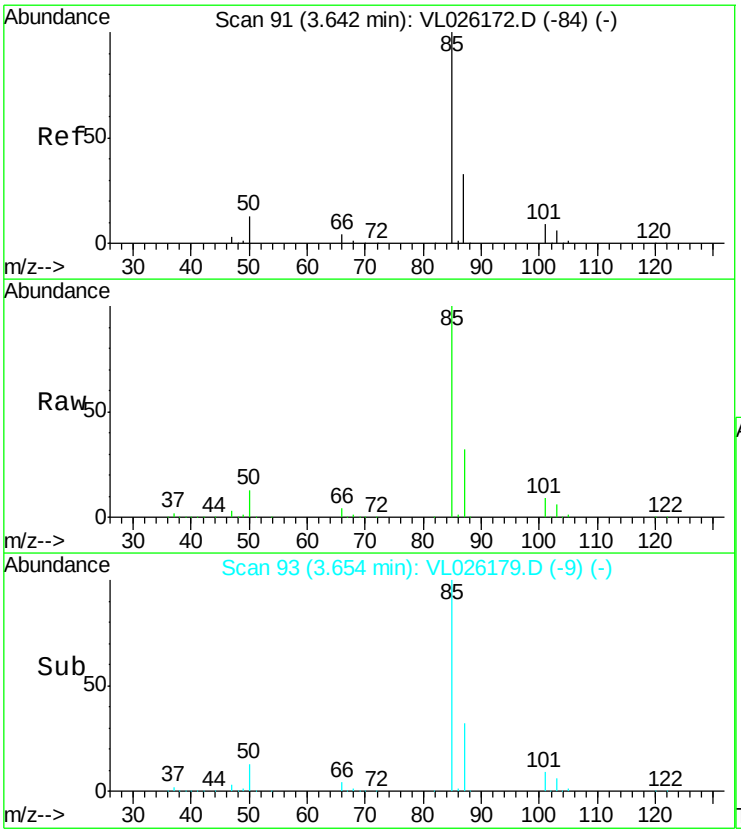
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 885604

Ion	Ratio	Lower	Upper
49	100		
128	53.1	26.3	78.8
130	67.0	34.2	102.5

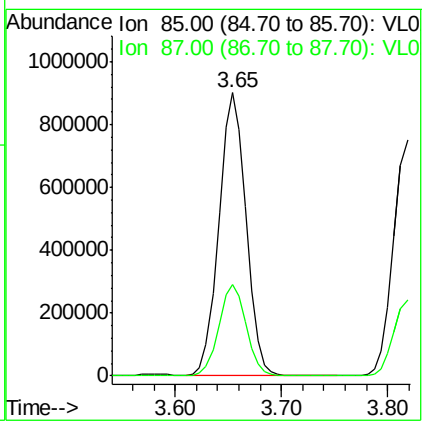


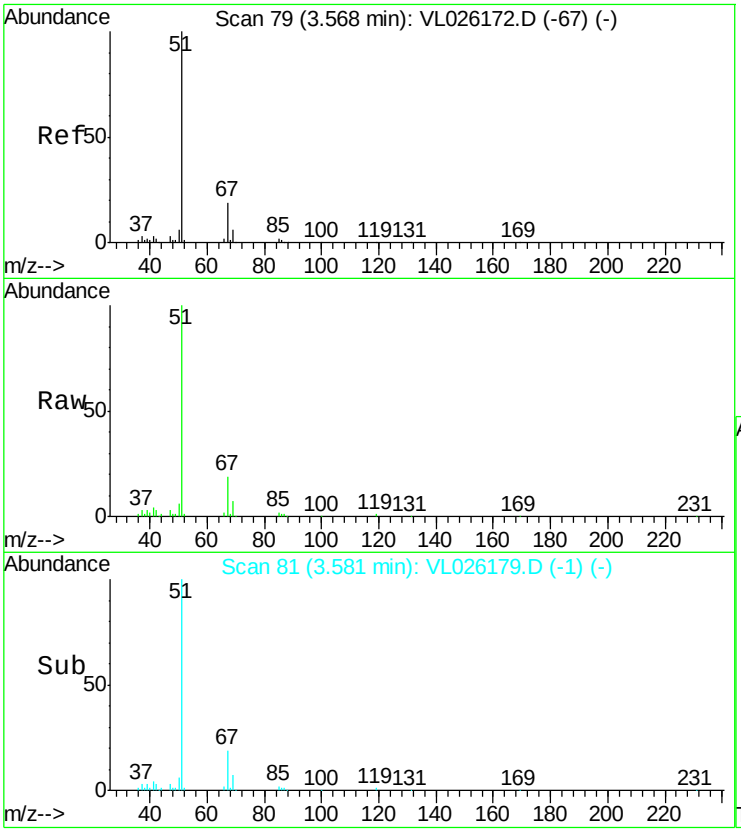


#2
Dichlorodifluoromethane
Concen: 9.63 ppbv
RT: 3.65 min Scan# 93
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 85 Resp: 1598813

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.2	39.4



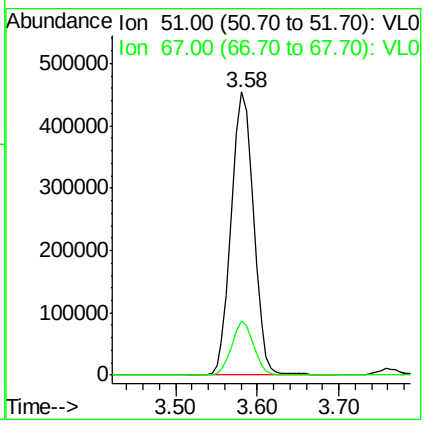


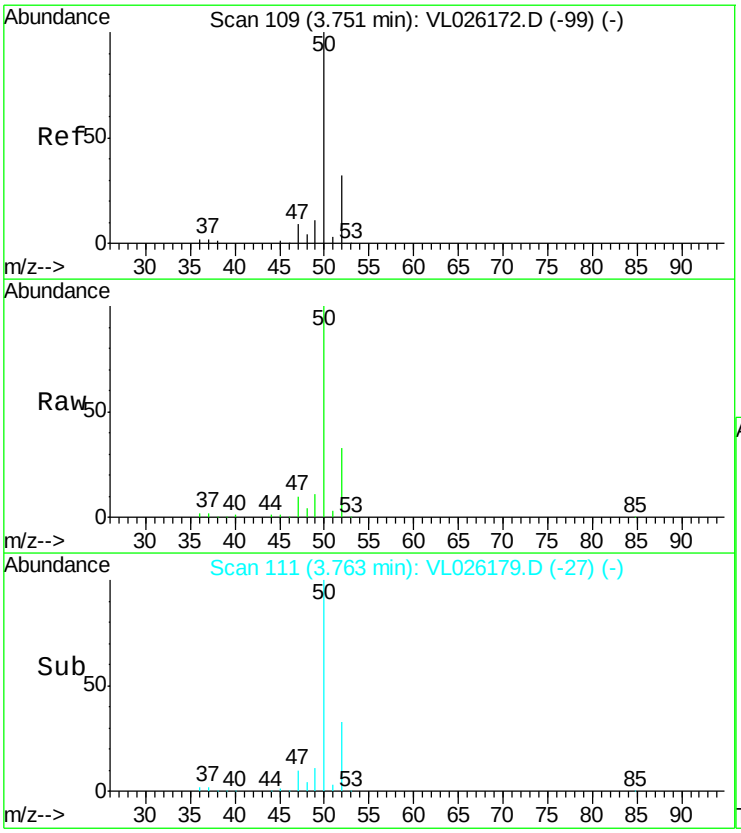
#3
Chlorodifluoromethane
Concen: 8.29 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 857488

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

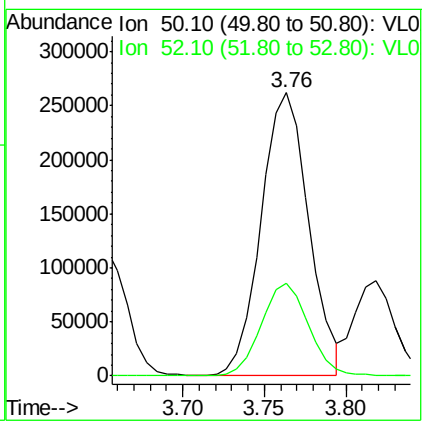


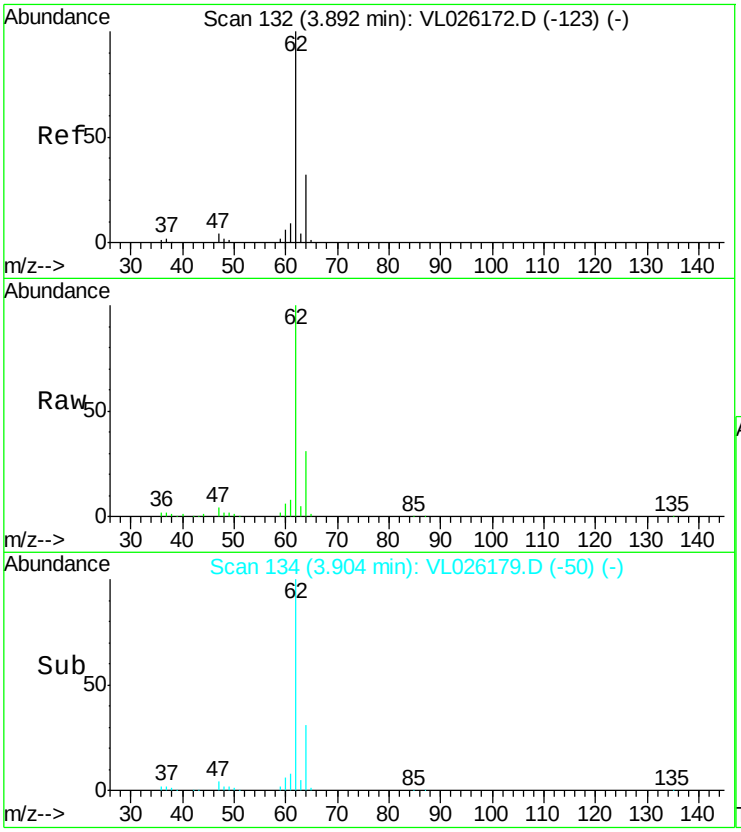


#4
Chloromethane
Concen: 9.13 ppbv
RT: 3.76 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 50 Resp: 532825

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.9	38.9



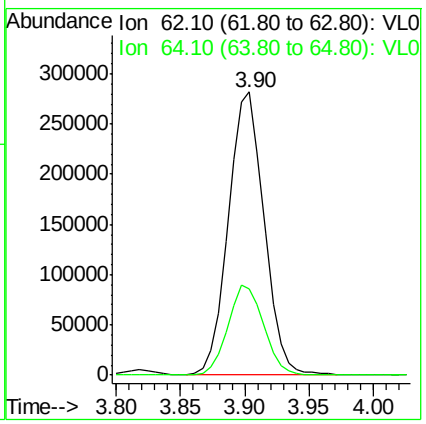


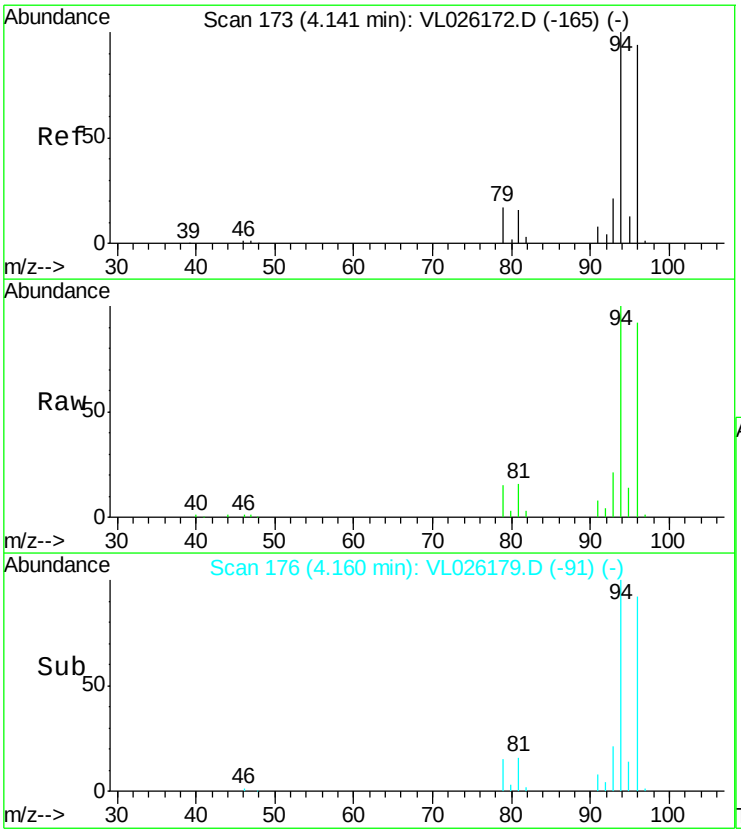
#5
Vinyl Chloride
Concen: 9.21 ppbv
RT: 3.90 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 541570

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.6	38.4

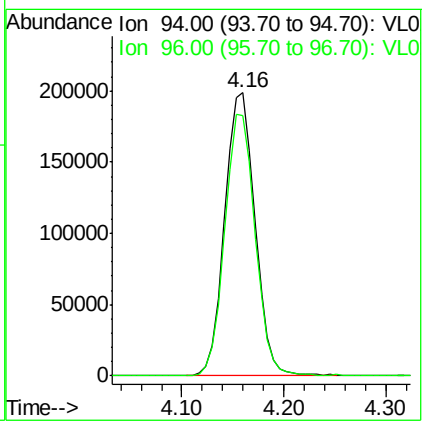


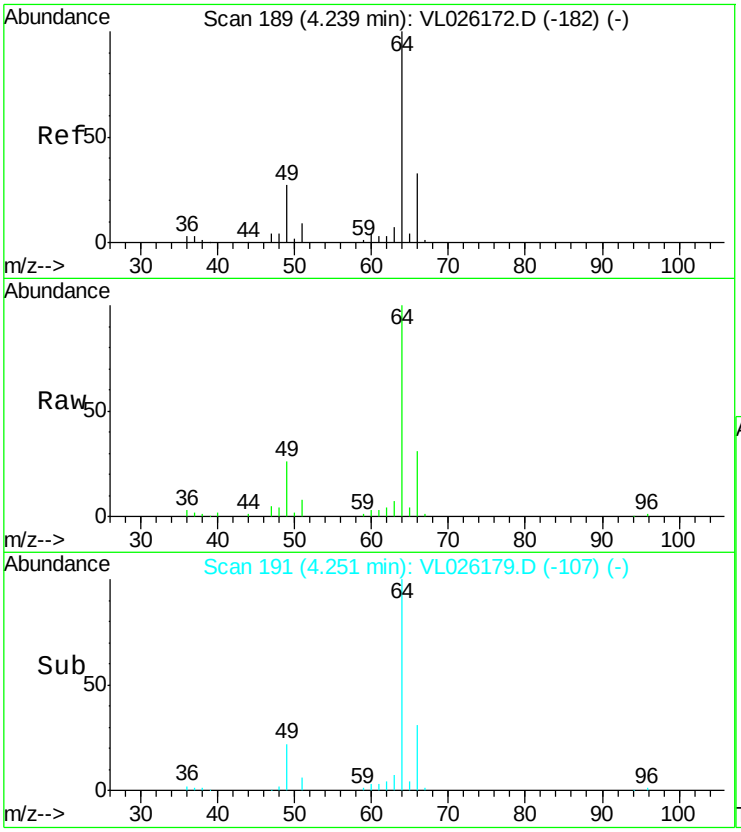


#6
Bromomethane
Concen: 9.64 ppbv
RT: 4.16 min Scan# 176
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 94 Resp: 407942

Ion	Ratio	Lower	Upper
94	100		
96	92.1	75.4	113.2



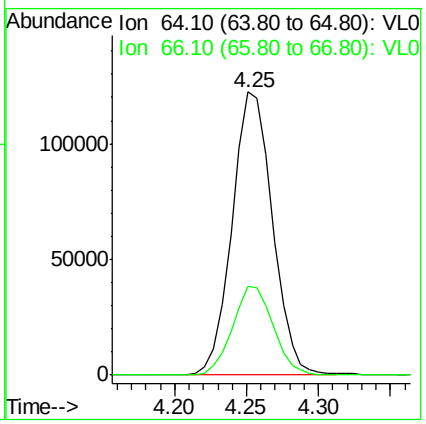


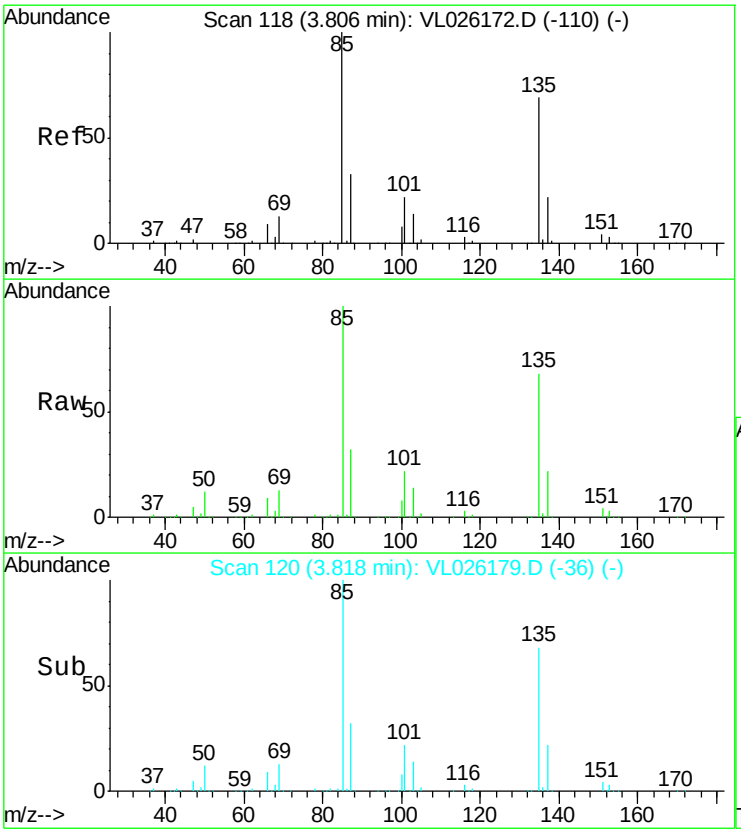
#7
Chloroethane
Concen: 9.35 ppbv
RT: 4.25 min Scan# 191
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 64 Resp: 238841

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.5	39.7

Instrument :
MSVOA_L
ClientSampleId :

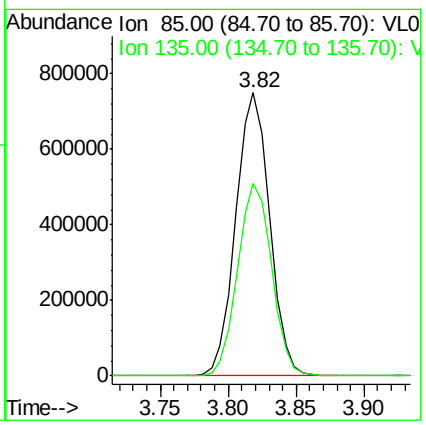


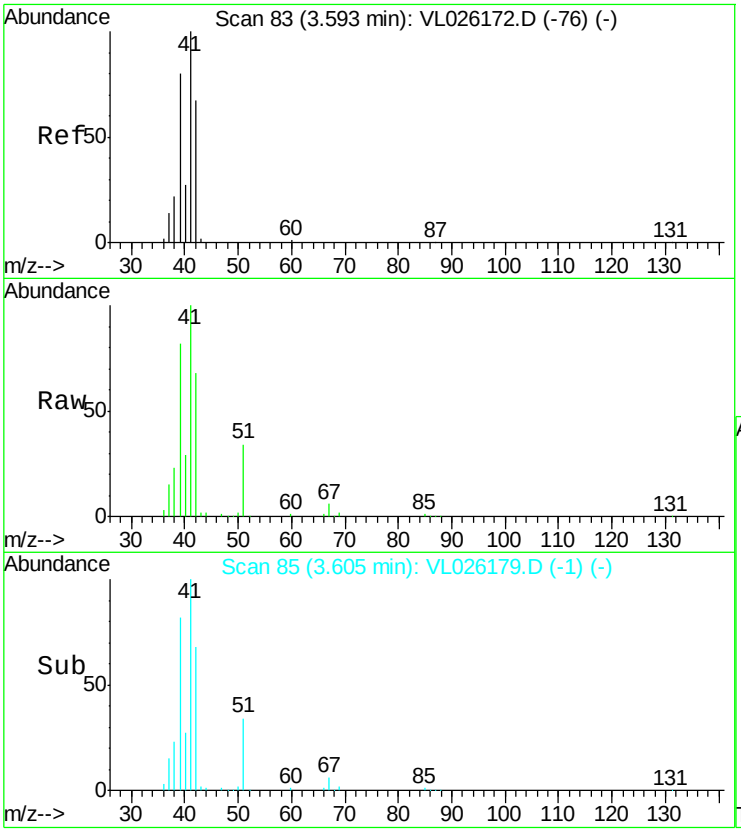


#8
Dichlorotetrafluoroethane
Concen: 8.99 ppbv
RT: 3.82 min Scan# 120
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 85 Resp: 1302932

Ion	Ratio	Lower	Upper
85	100		
135	69.1	55.3	82.9



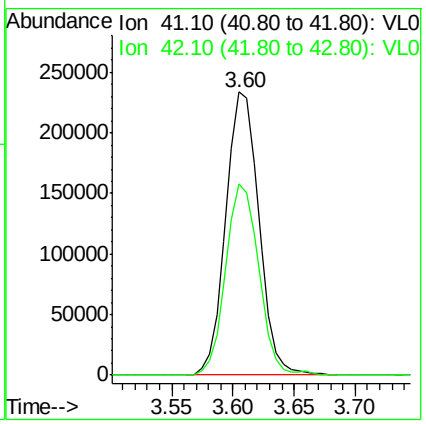


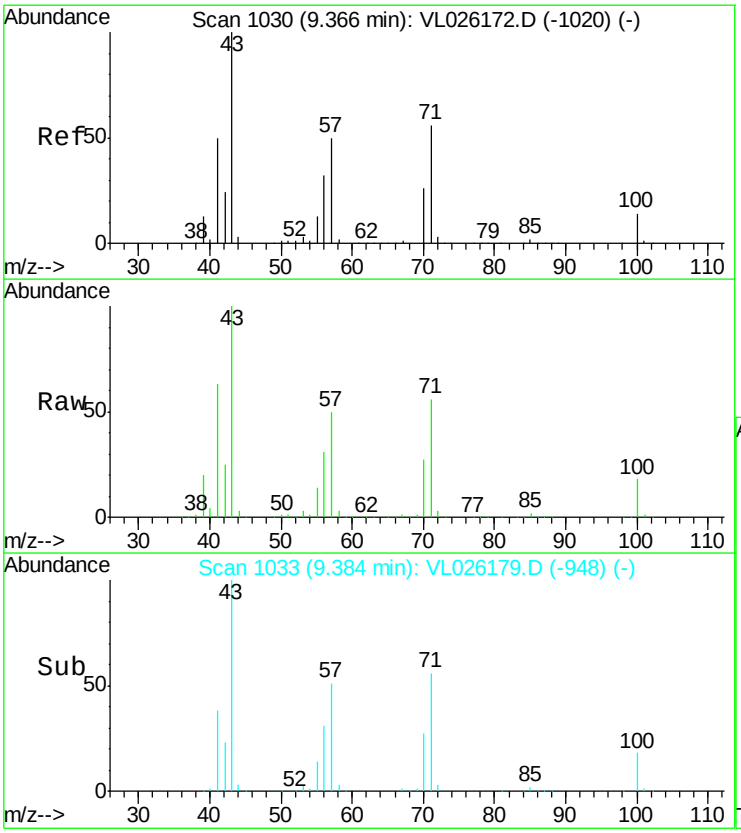
#9
Propene
Concen: 9.26 ppbv
RT: 3.60 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 439699

Ion	Ratio	Lower	Upper
41	100		
42	67.5	53.6	80.4

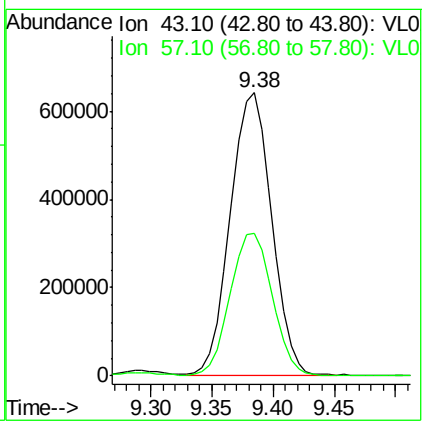


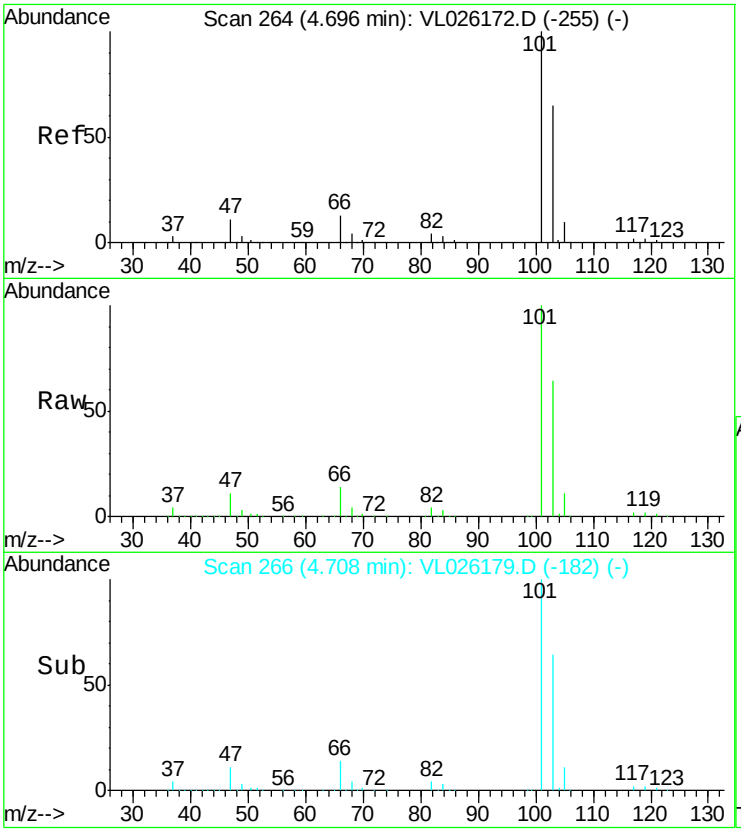


#10
Heptane
Concen: 9.09 ppbv
RT: 9.38 min Scan# 1033
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1500992

Ion	Ratio	Lower	Upper
43	100		
57	53.1	41.8	62.8



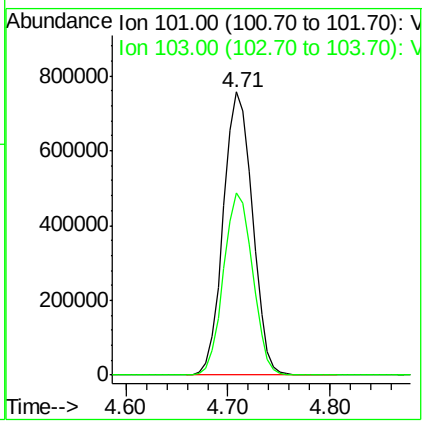


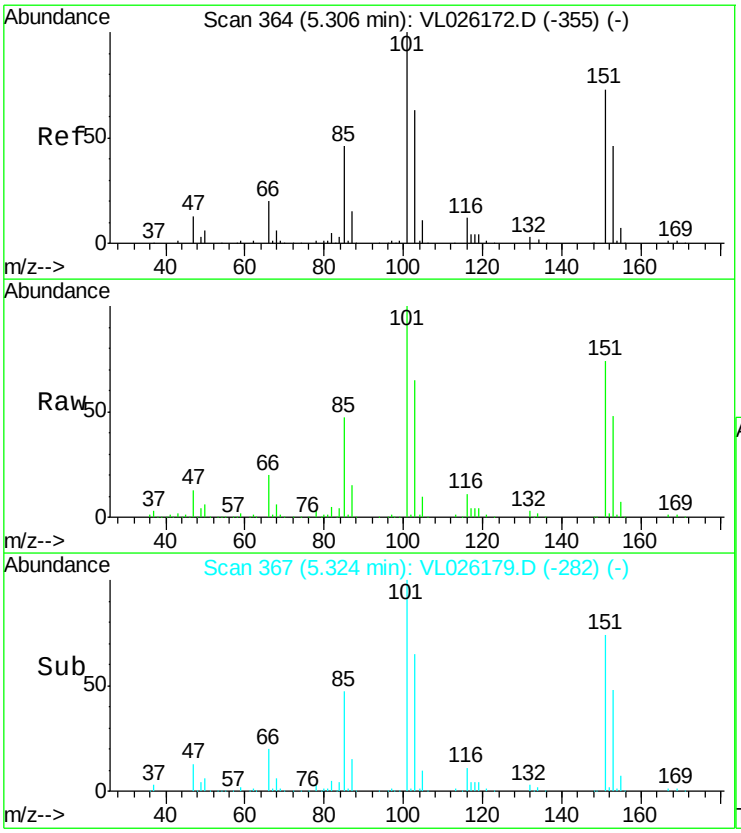
#11
Trichlorofluoromethane
Concen: 9.21 ppbv
RT: 4.71 min Scan# 266
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1500914

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.9	77.9

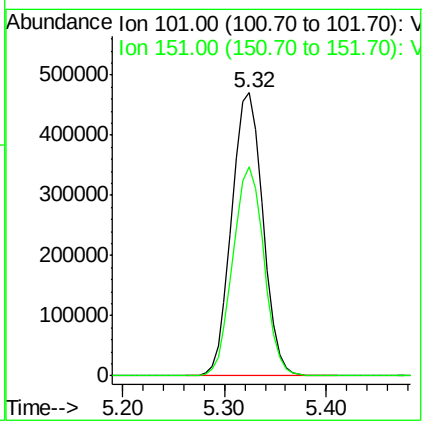


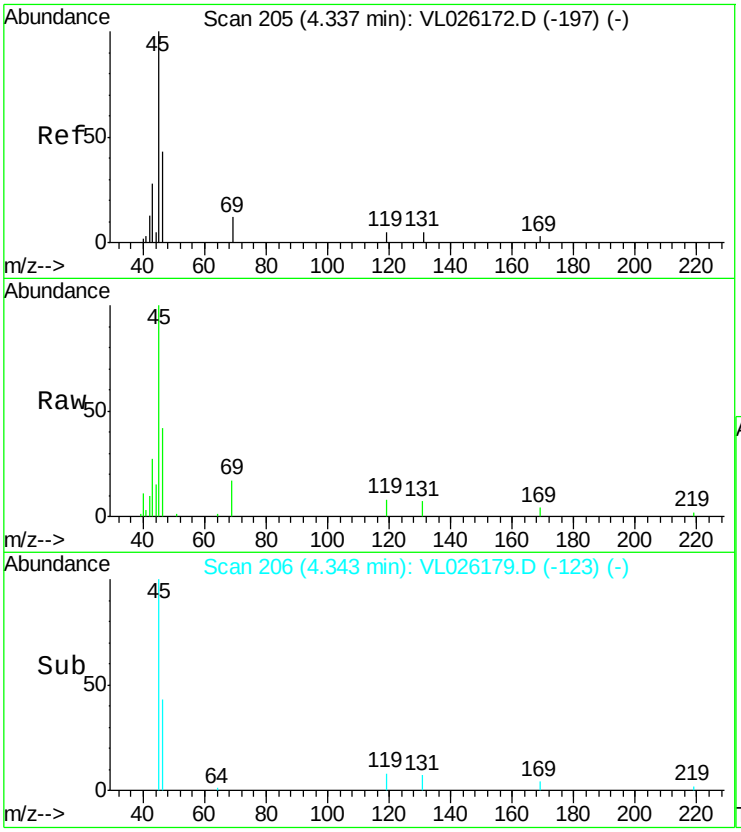


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.09 ppbv
RT: 5.32 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:101 Resp: 1003227

Ion	Ratio	Lower	Upper
101	100		
151	73.4	59.0	88.6



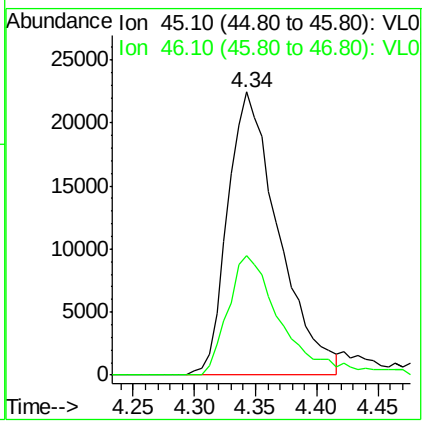


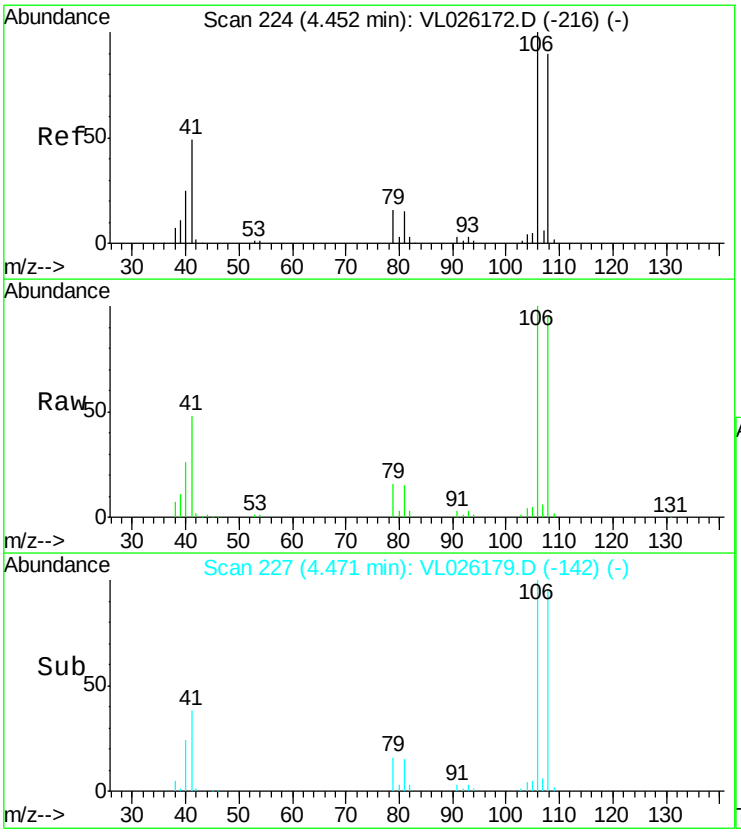
#13
Ethanol
Concen: 9.31 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 65007

Ion	Ratio	Lower	Upper
45	100		
46	44.8	18.1	72.5

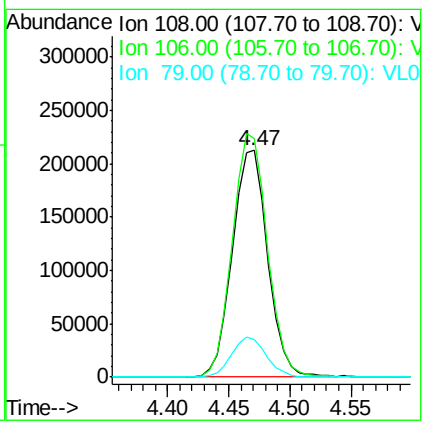


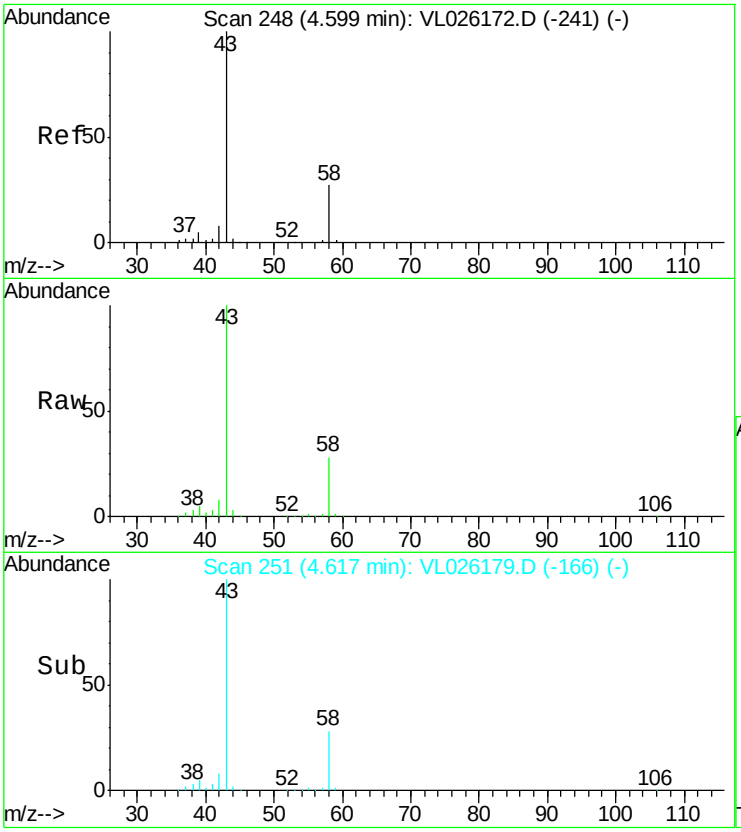


#14
Bromoethene
Concen: 9.36 ppbv
RT: 4.47 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:108 Resp: 425720

Ion	Ratio	Lower	Upper
108	100		
106	107.5	85.9	128.9
79	17.5	14.0	21.0



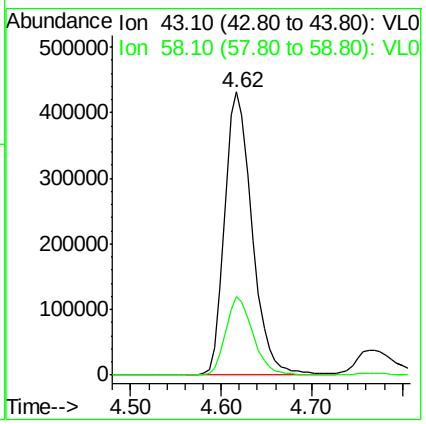


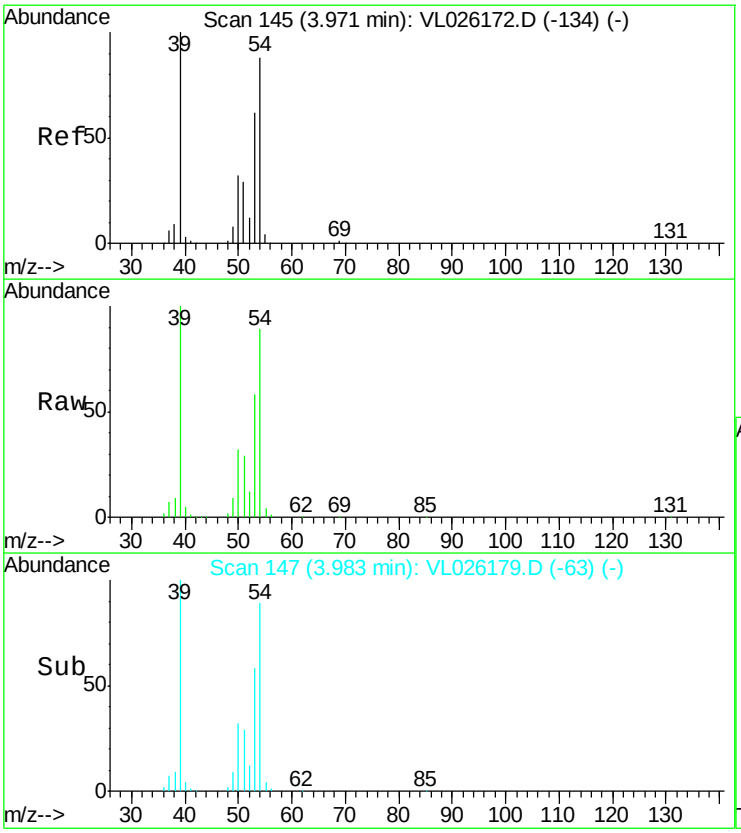
#15
Acetone
Concen: 8.02 ppbv
RT: 4.62 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 918479

Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.0	33.0

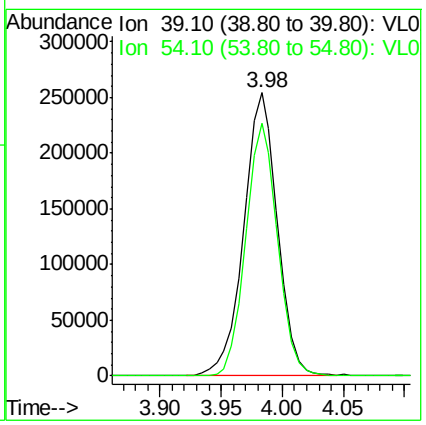


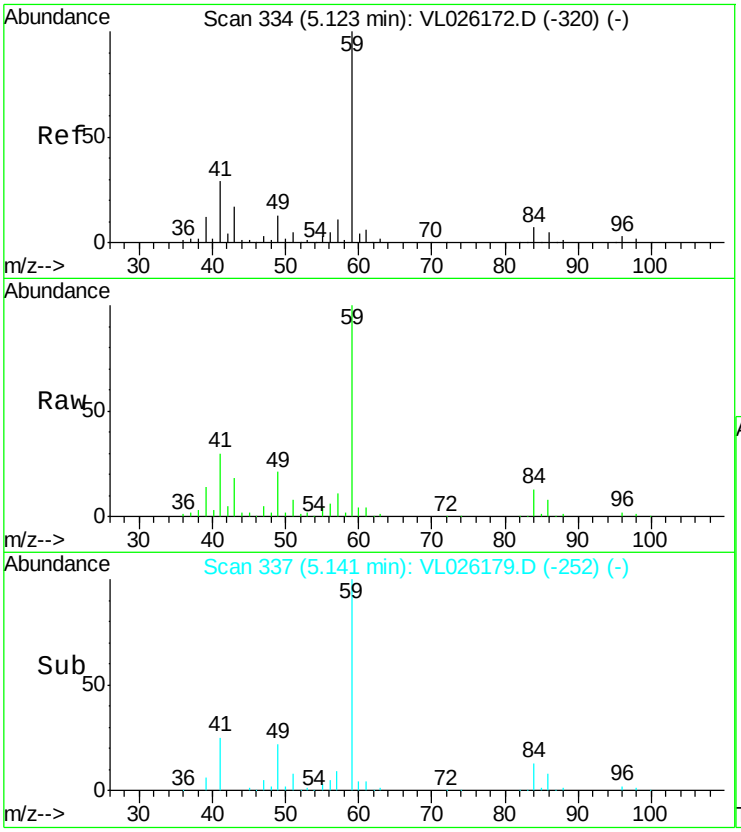


#16
1,3-Butadiene
Concen: 9.21 ppbv
RT: 3.98 min Scan# 147
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 39 Resp: 487263

Ion	Ratio	Lower	Upper
39	100		
54	84.6	67.9	101.9



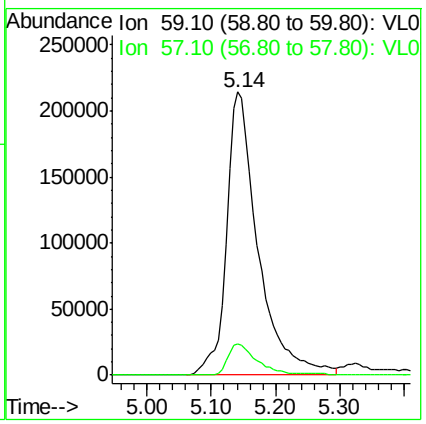


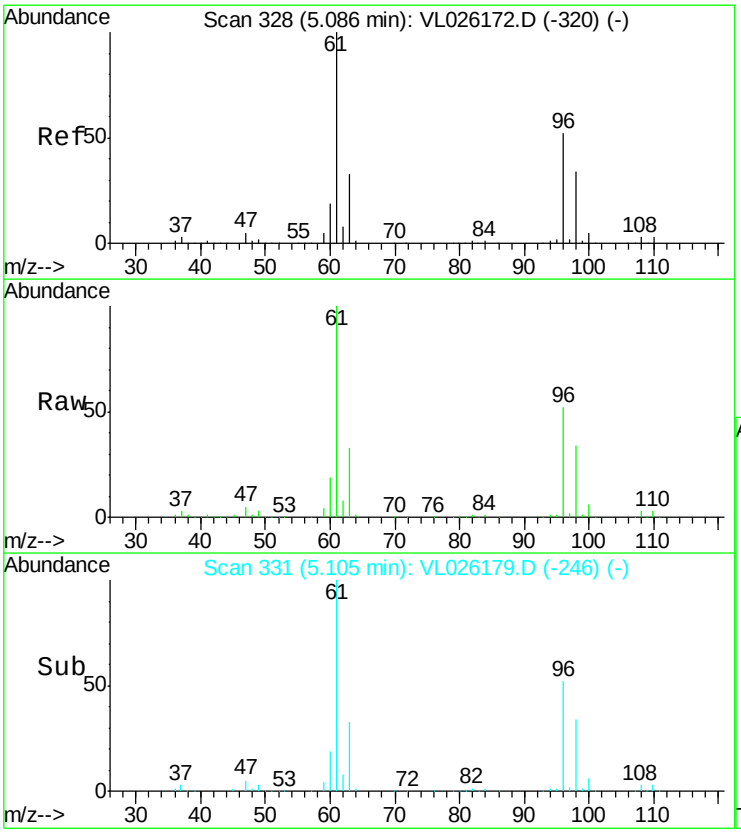
#17
tert-Butyl alcohol
Concen: 10.61 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 732172

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

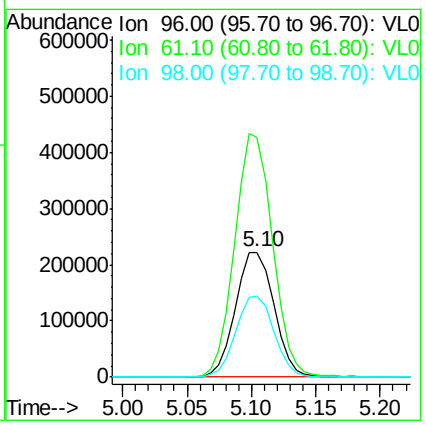


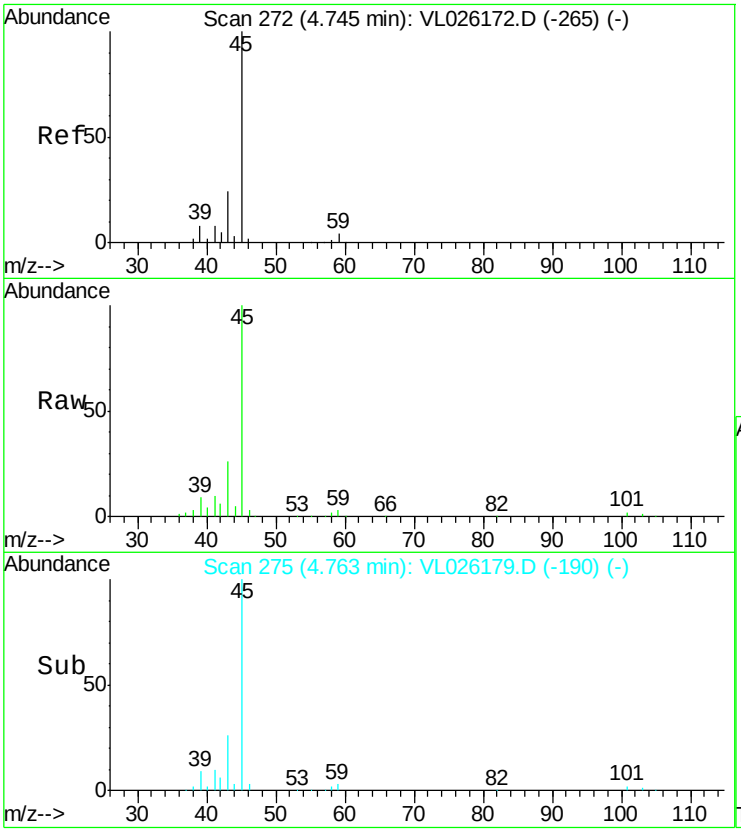


#18
1,1-Dichloroethene
Concen: 9.27 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 96 Resp: 463174

Ion	Ratio	Lower	Upper
96	100		
61	192.7	153.2	229.8
98	64.7	52.1	78.1



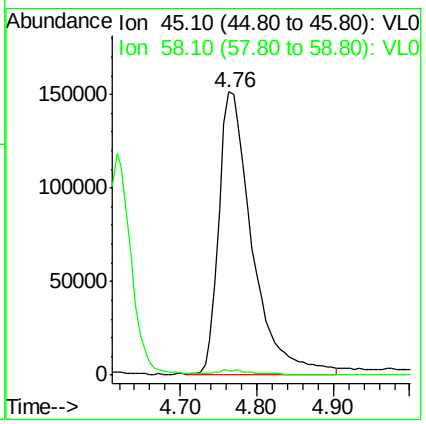


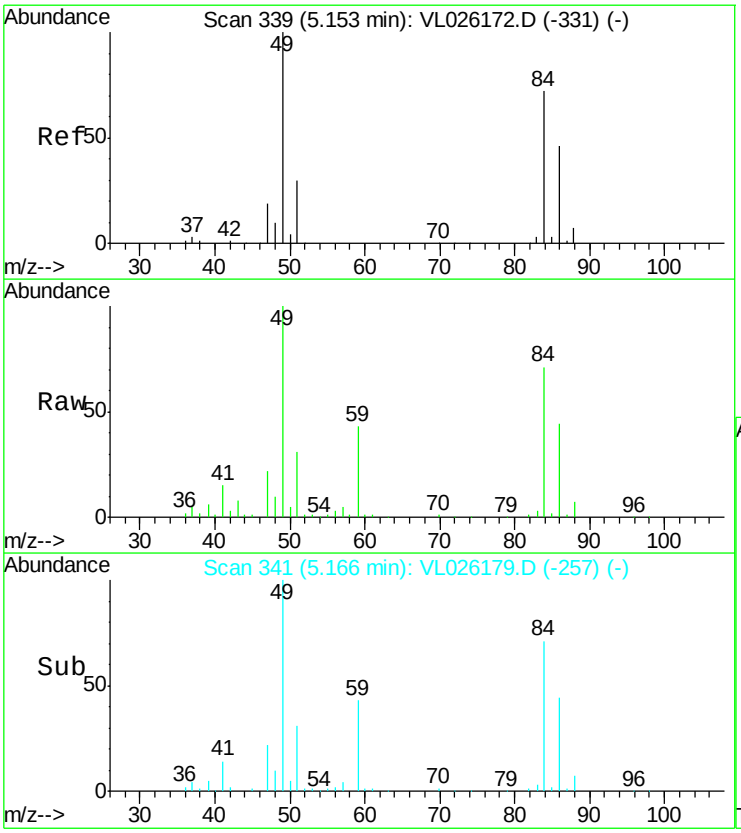
#19
Isopropyl Alcohol
Concen: 10.19 ppbv
RT: 4.76 min Scan# 275
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 454236

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.7	2.5

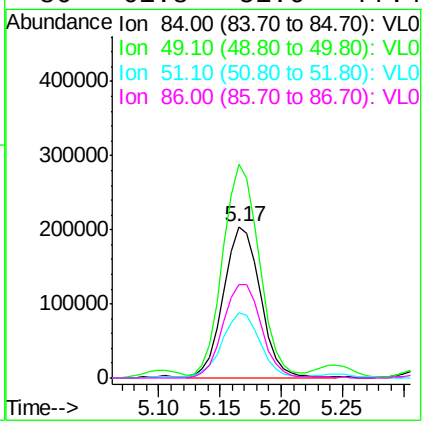


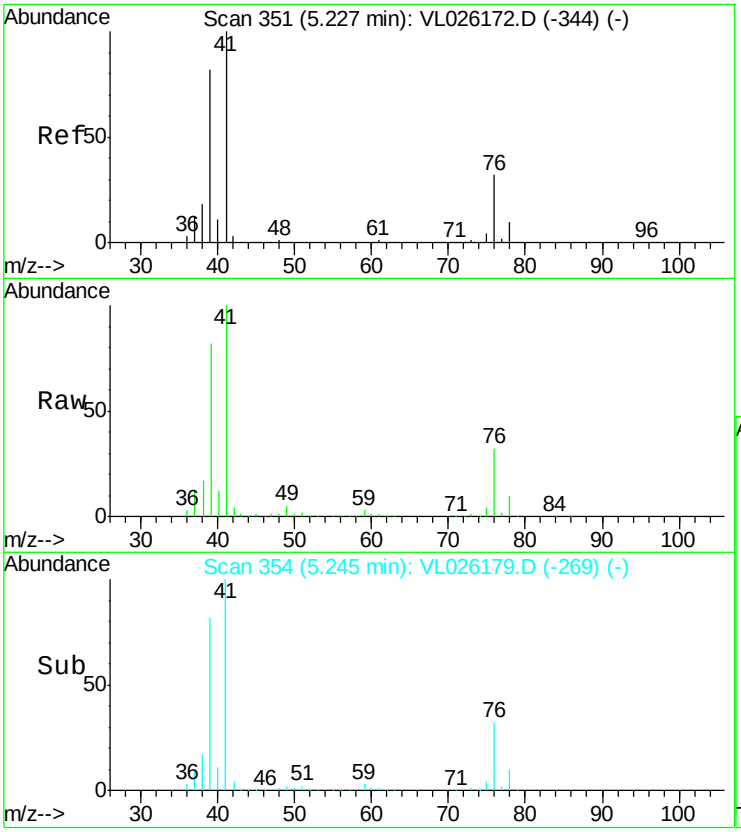


#20
Methylene Chloride
Concen: 8.80 ppbv
RT: 5.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 84 Resp: 428902

Ion	Ratio	Lower	Upper
84	100		
49	139.8	111.3	166.9
51	42.9	33.0	49.6
86	61.8	51.6	77.4



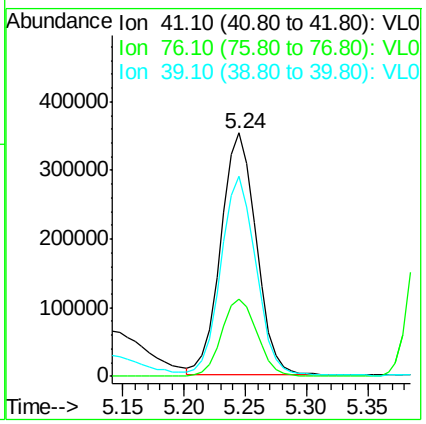


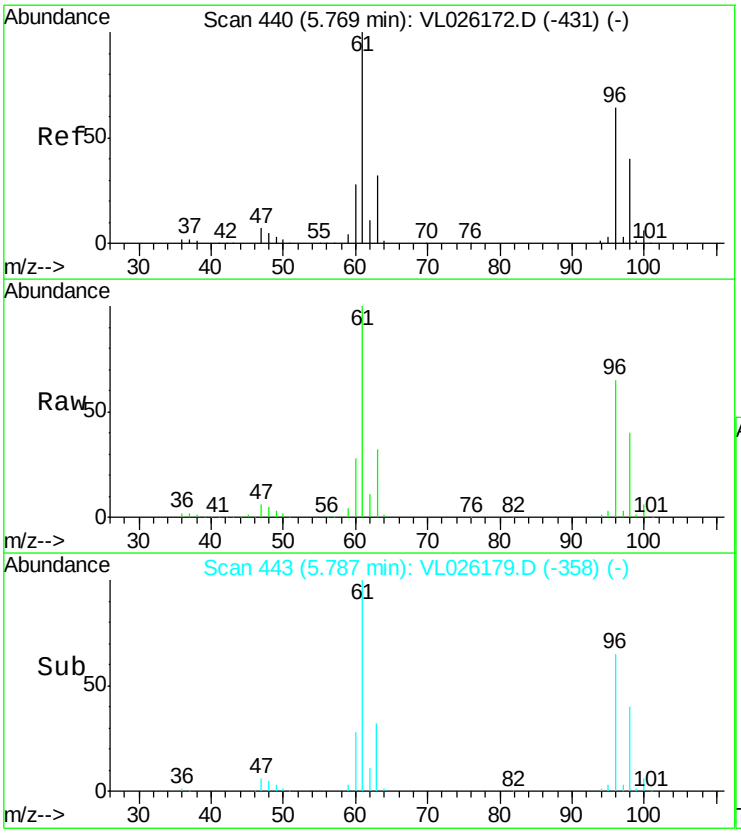
#21
Allyl Chloride
Concen: 9.45 ppbv
RT: 5.24 min Scan# 354
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 706066

Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.4	38.2
39	82.6	66.5	99.7

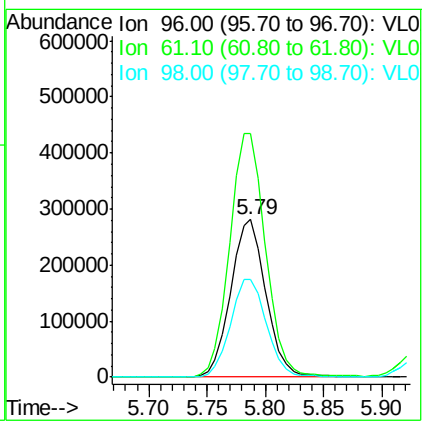


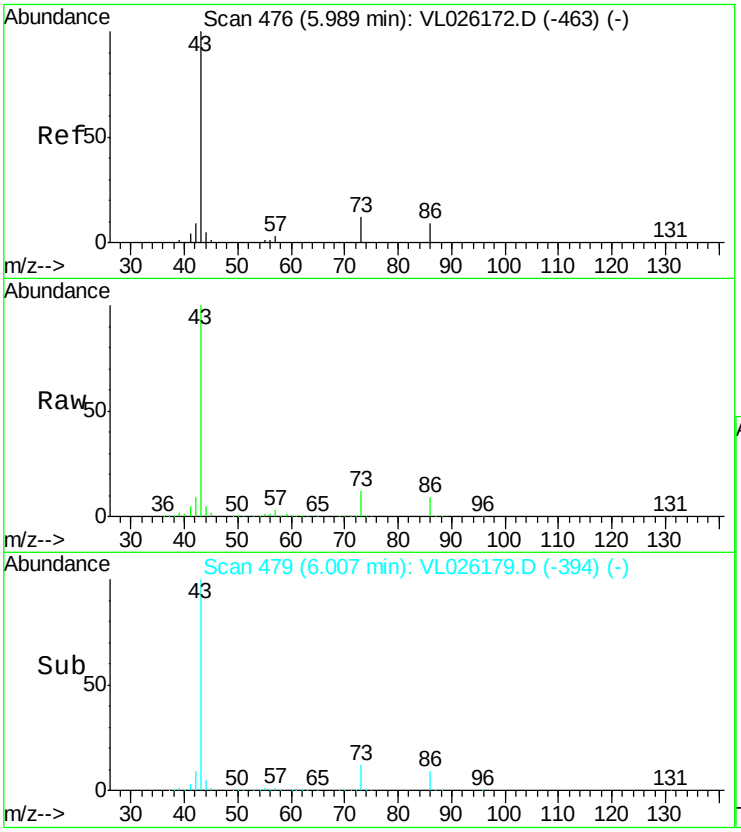


#22
trans-1,2-Dichloroethene
Concen: 9.24 ppbv
RT: 5.79 min Scan# 443
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 96 Resp: 591003

Ion	Ratio	Lower	Upper
96	100		
61	154.5	125.8	188.6
98	61.9	50.6	75.8



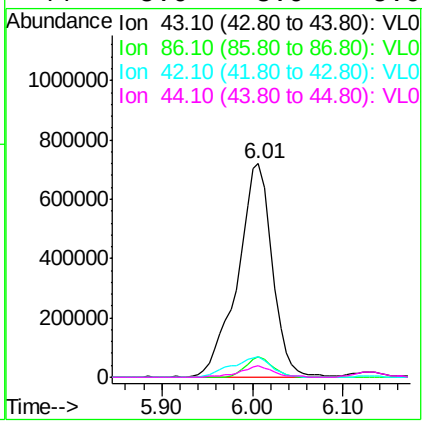


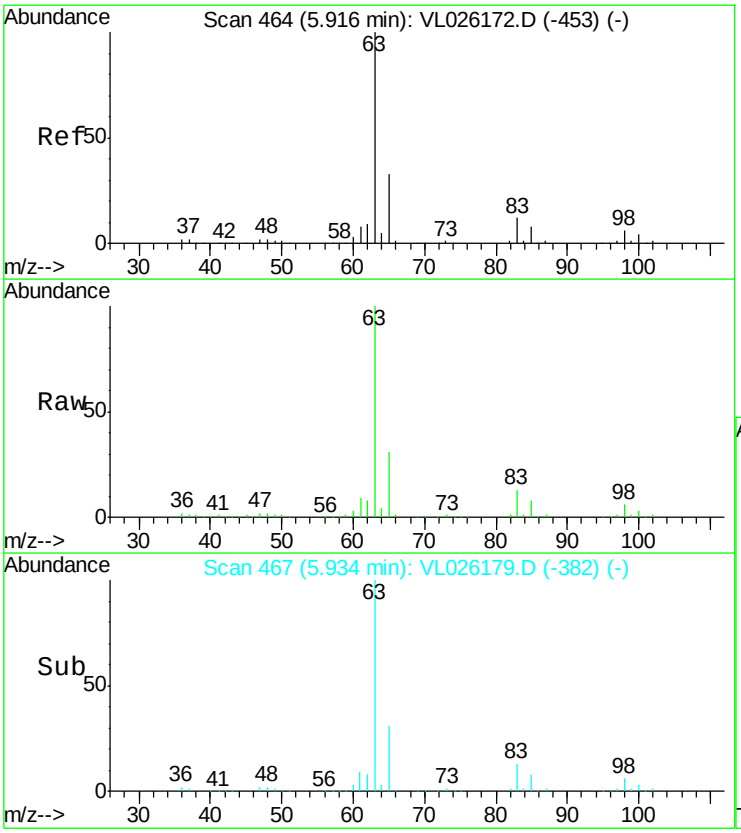
#23
Vinyl Acetate
Concen: 9.33 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1889744

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8
42	9.3	7.4	11.2
44	5.0	3.9	5.9

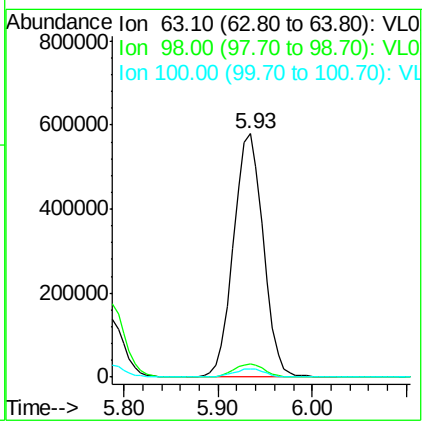


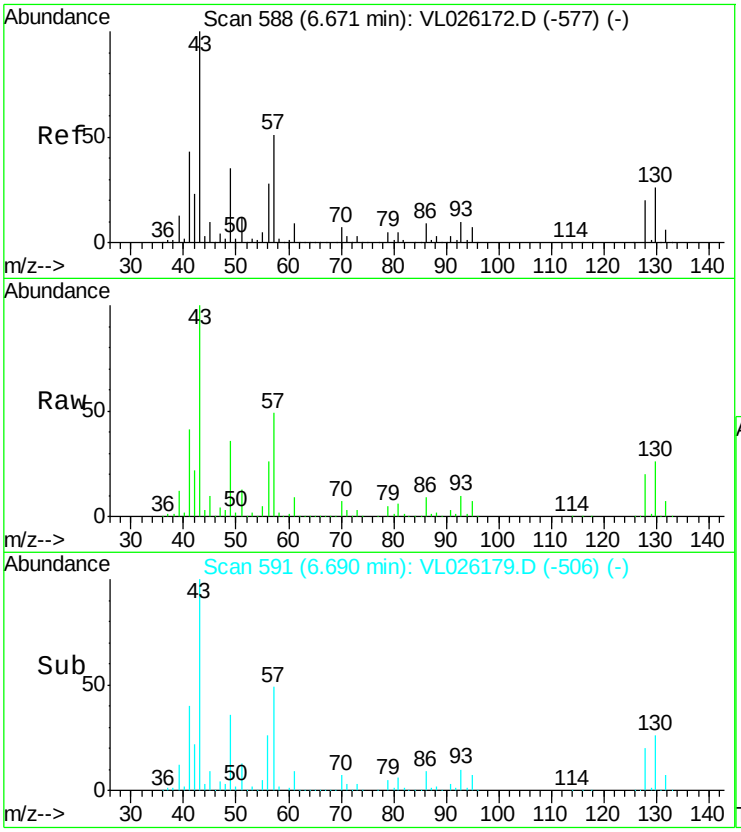


#24
1,1-Dichloroethane
Concen: 9.20 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 63 Resp: 1271114

Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.7
100	3.4	1.8	5.5



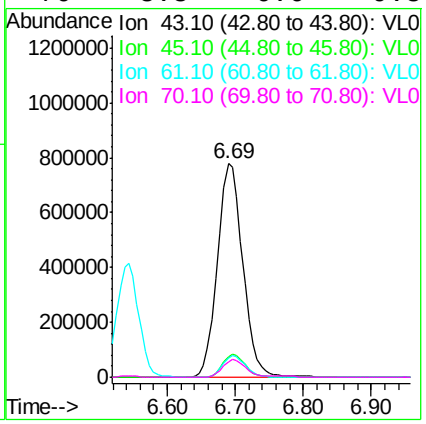


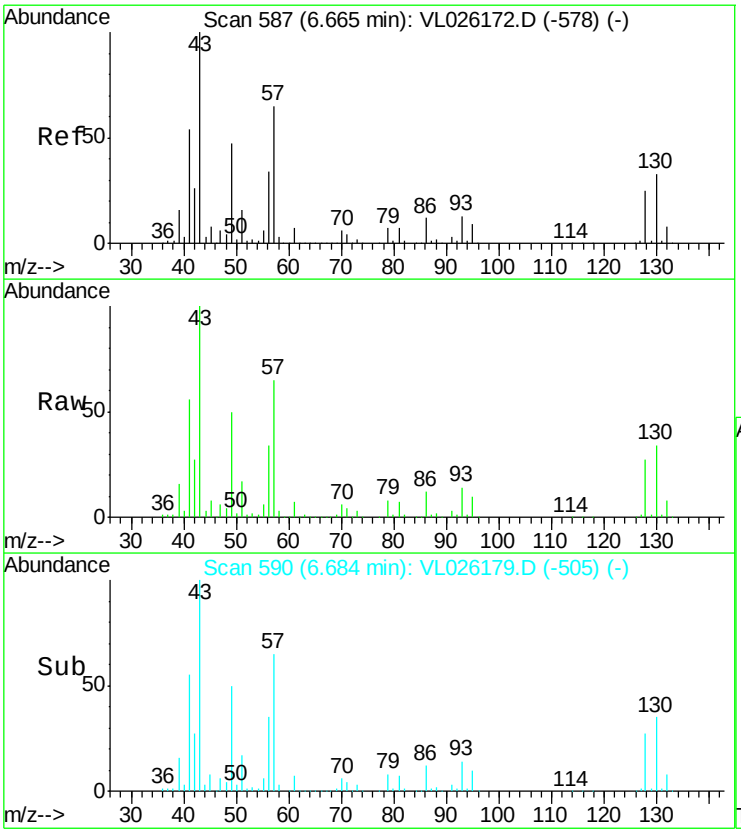
#25
Ethyl Acetate
Concen: 9.05 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2003778

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.7	11.5
61	9.4	7.4	11.2
70	8.3	6.6	9.8

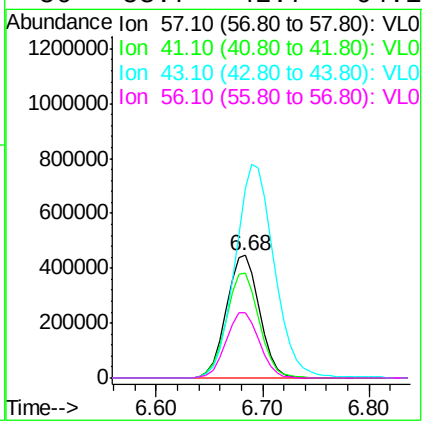


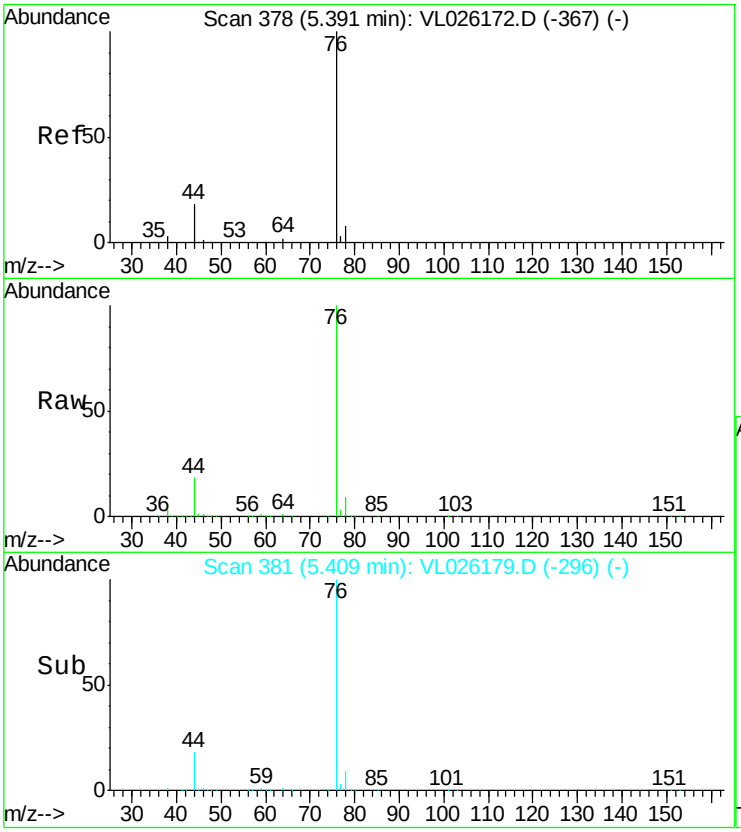


#26
Hexane
Concen: 9.08 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 57 Resp: 973924

Ion	Ratio	Lower	Upper
57	100		
41	86.6	68.0	102.0
43	206.8	164.4	246.6
56	53.7	42.7	64.1



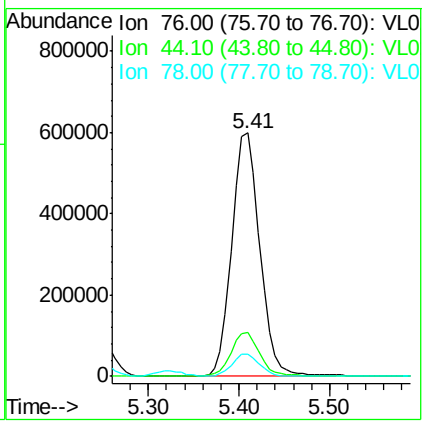


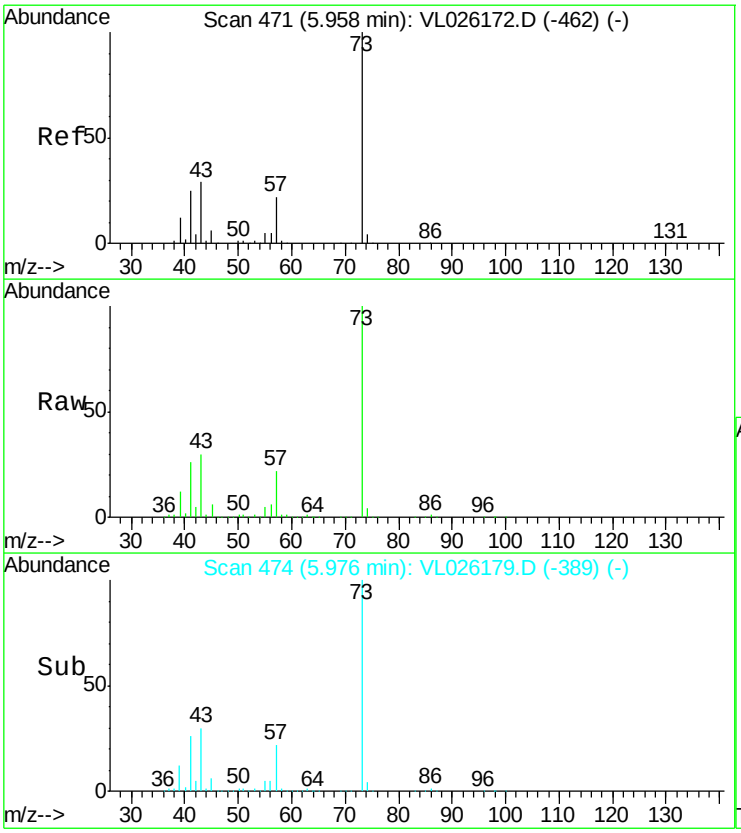
#27
Carbon Disulfide
Concen: 10.03 ppbv
RT: 5.41 min Scan# 381
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1287892

Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.2	21.4
78	9.3	7.5	11.3

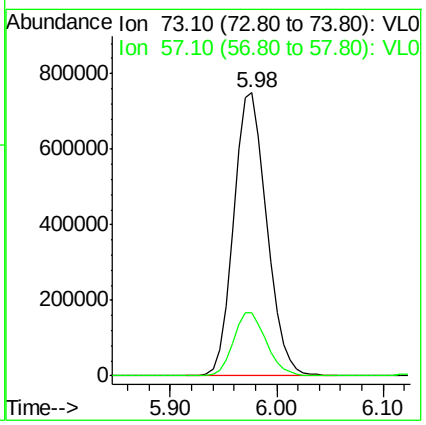


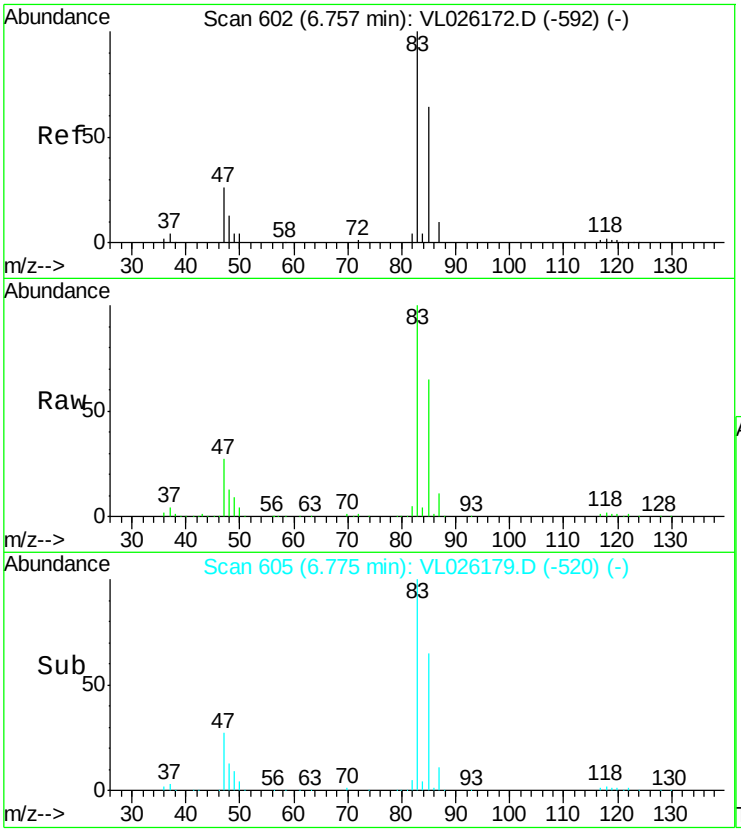


#28
Methyl tert-Butyl Ether
Concen: 9.47 ppbv
RT: 5.98 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 73 Resp: 1636590

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.8	26.6



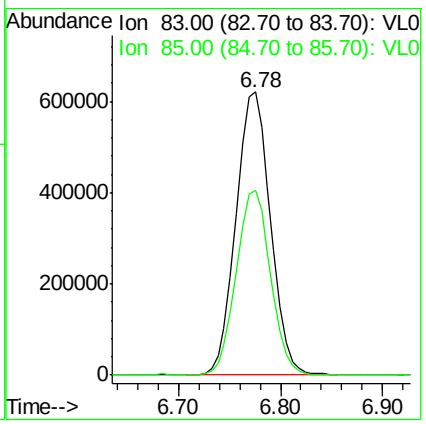


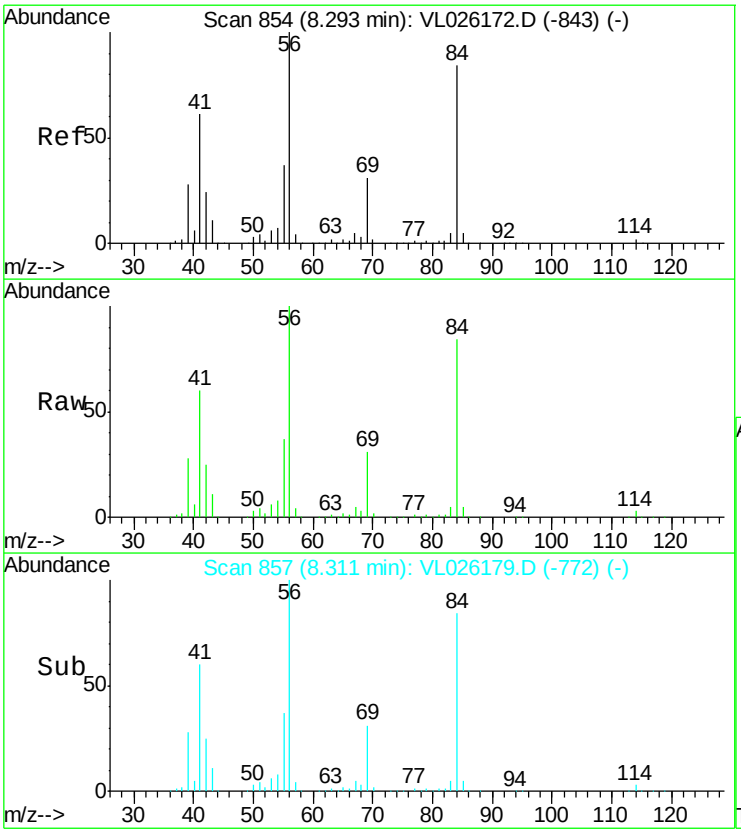
#29
Chloroform
Concen: 9.18 ppbv
RT: 6.78 min Scan# 605
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1458390

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3

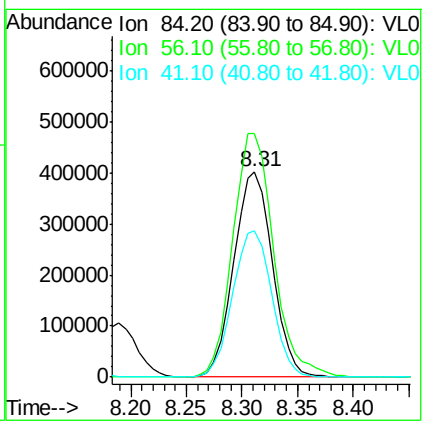


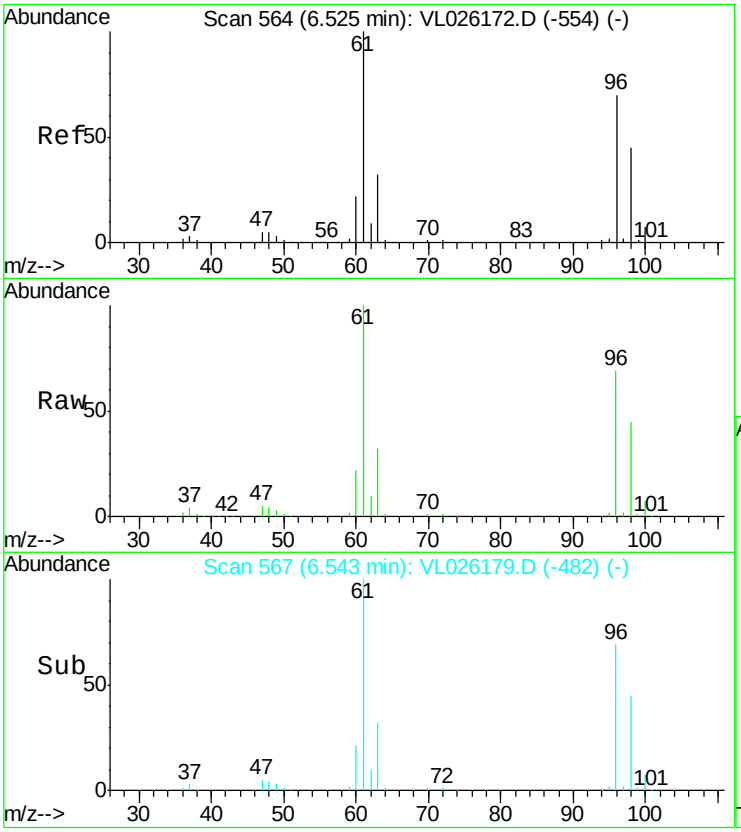


#30
Cyclohexane
Concen: 9.47 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 84 Resp: 967046

Ion	Ratio	Lower	Upper
84	100		
56	126.7	99.8	149.8
41	72.8	58.1	87.1



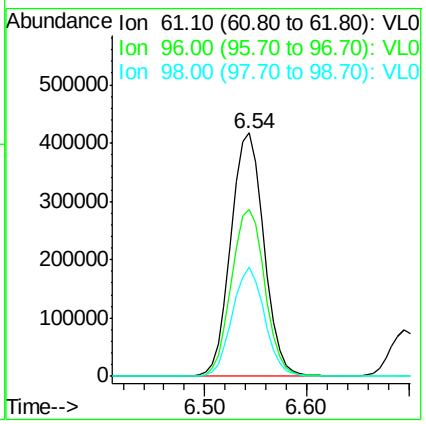


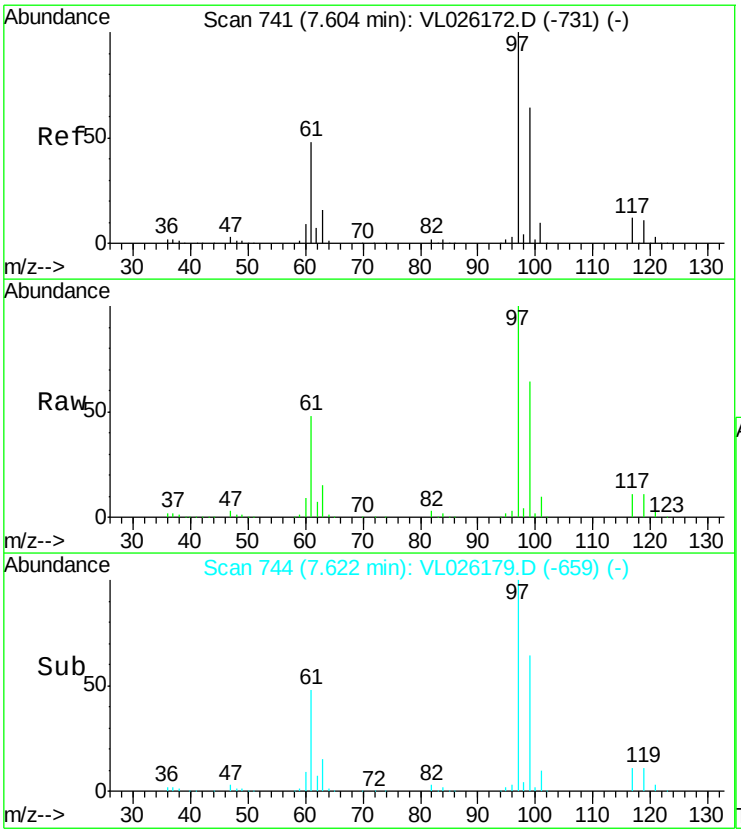
#31
cis-1,2-Dichloroethene
Concen: 9.61 ppbv
RT: 6.54 min Scan# 567
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 939202

Ion	Ratio	Lower	Upper
61	100		
96	68.7	55.8	83.8
98	44.6	35.8	53.6

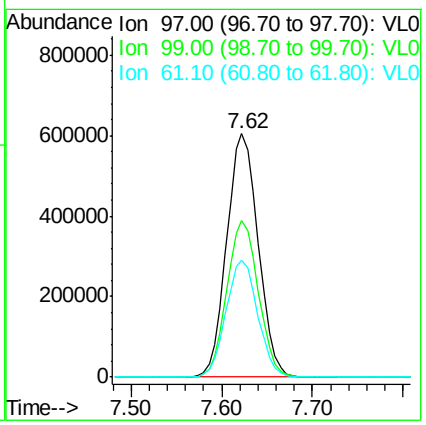


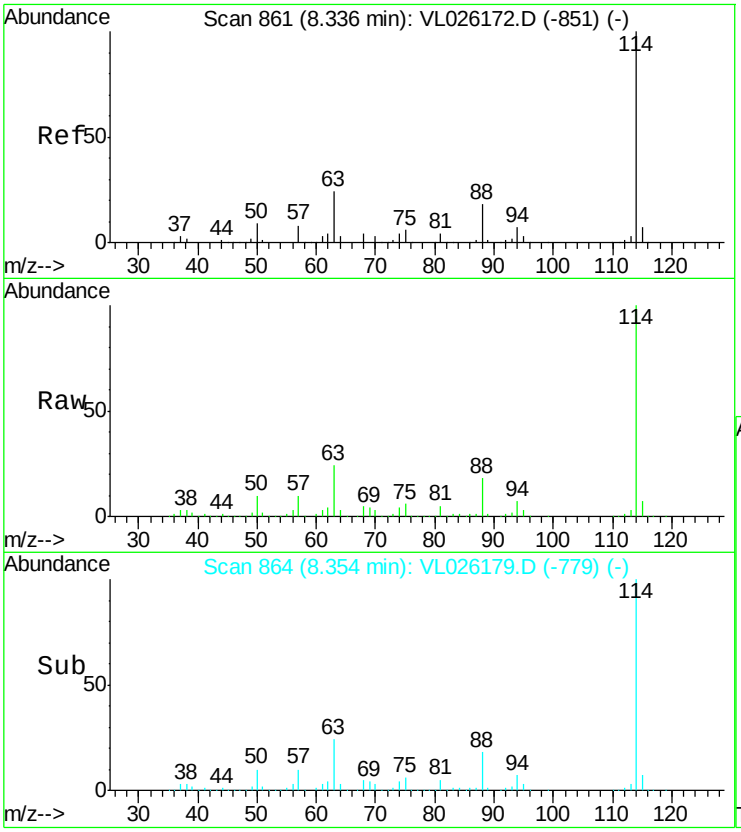


#32
1,1,1-Trichloroethane
Concen: 9.60 ppbv
RT: 7.62 min Scan# 744
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 97 Resp: 1457463

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	48.4	38.7	58.1



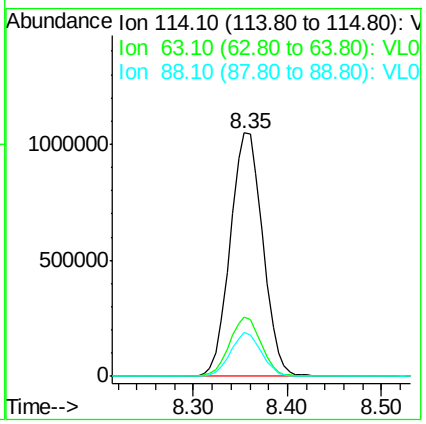


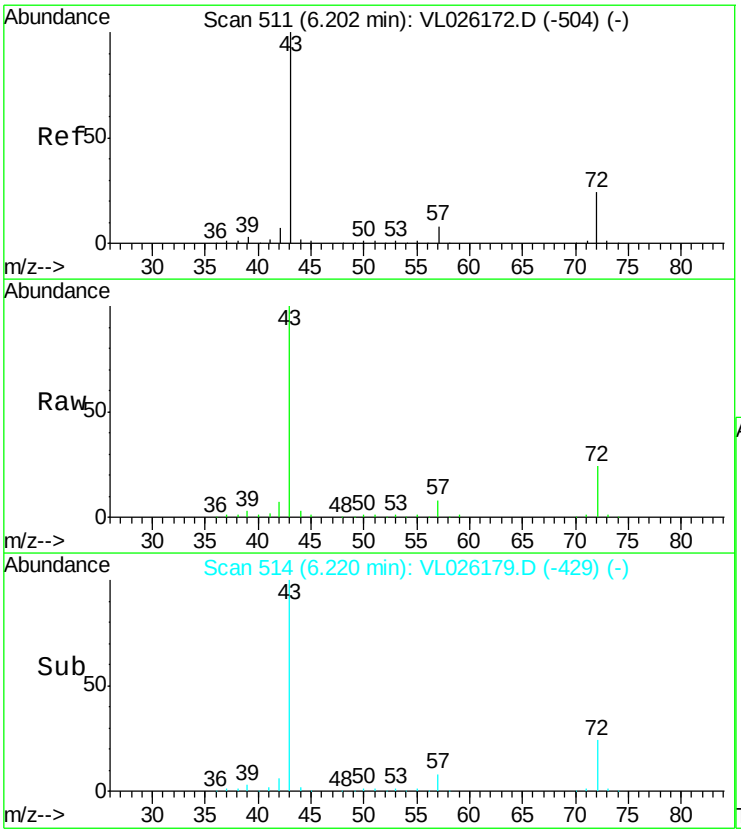
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 864
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2516951

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.0	28.6
88	17.1	13.8	20.8

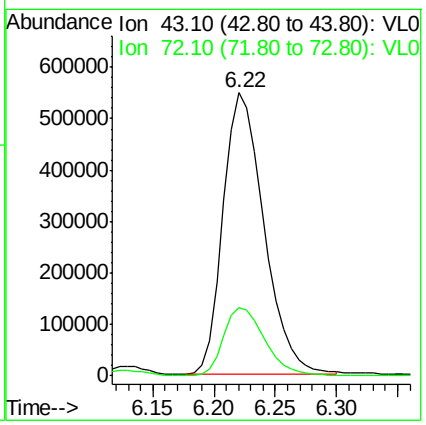


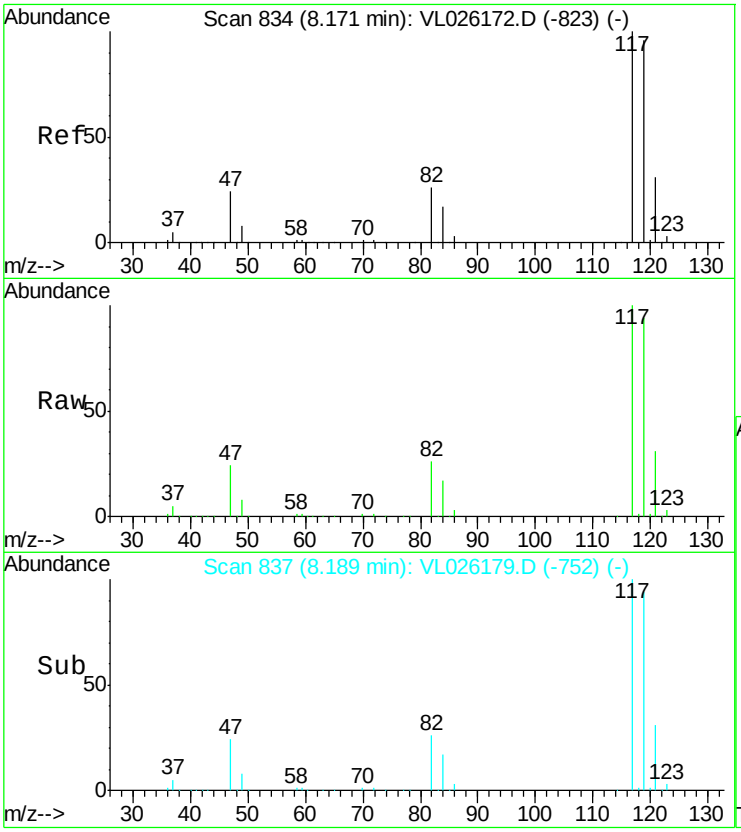


#34
2-Butanone
Concen: 9.09 ppbv
RT: 6.22 min Scan# 514
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1273355

Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.6	29.4



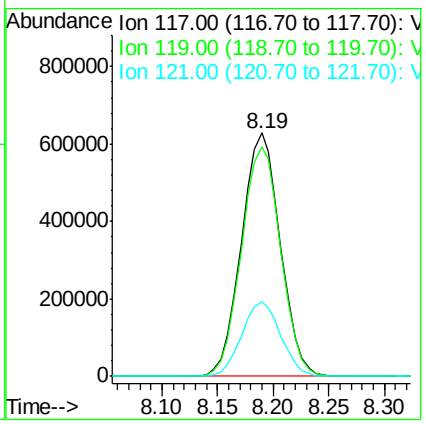


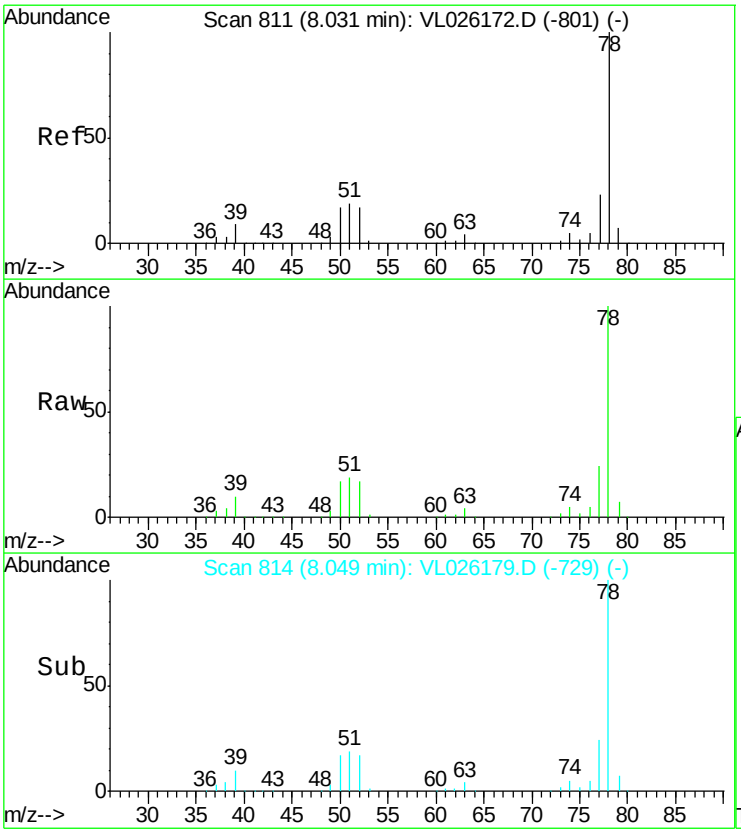
#35
Carbon Tetrachloride
Concen: 9.54 ppbv
RT: 8.19 min Scan# 837
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1520824

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	115.0
121	30.8	25.0	37.4

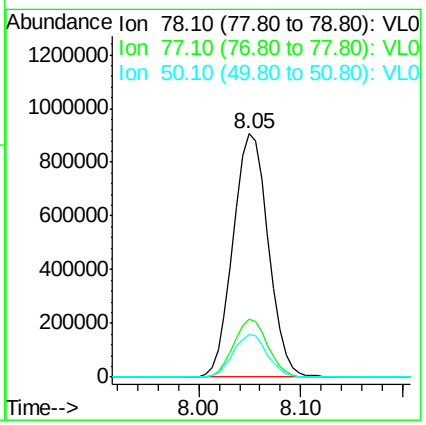


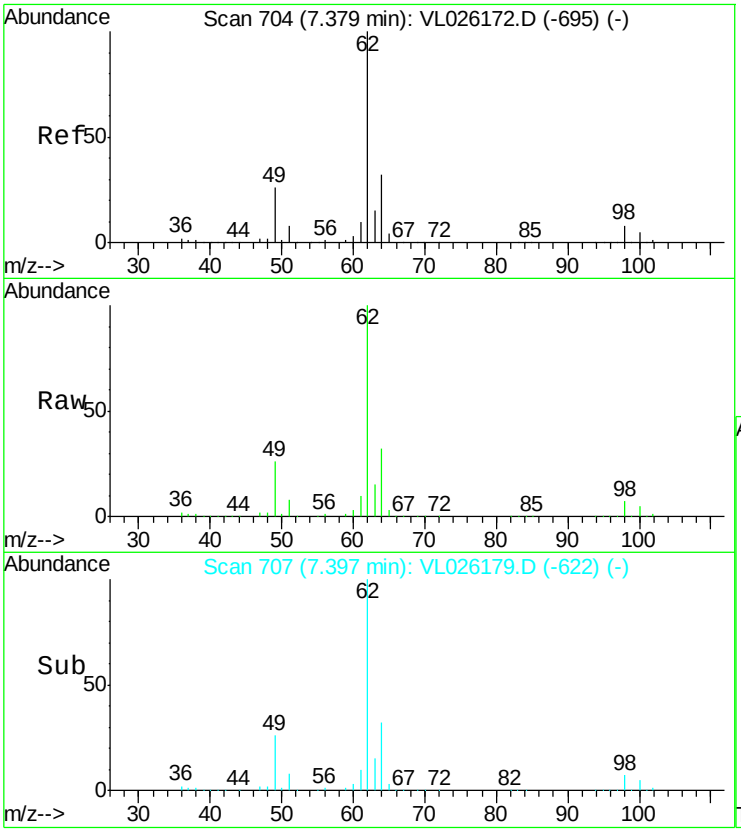


#36
Benzene
Concen: 9.06 ppbv
RT: 8.05 min Scan# 814
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 78 Resp: 2180776

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4
50	17.3	13.4	20.2



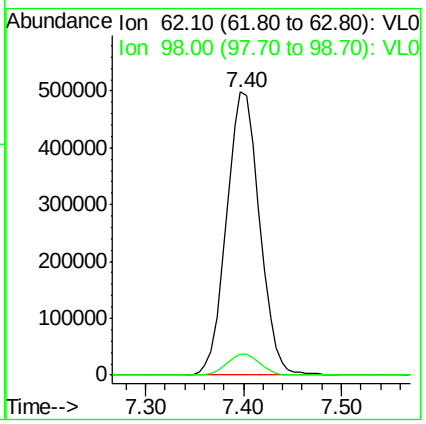


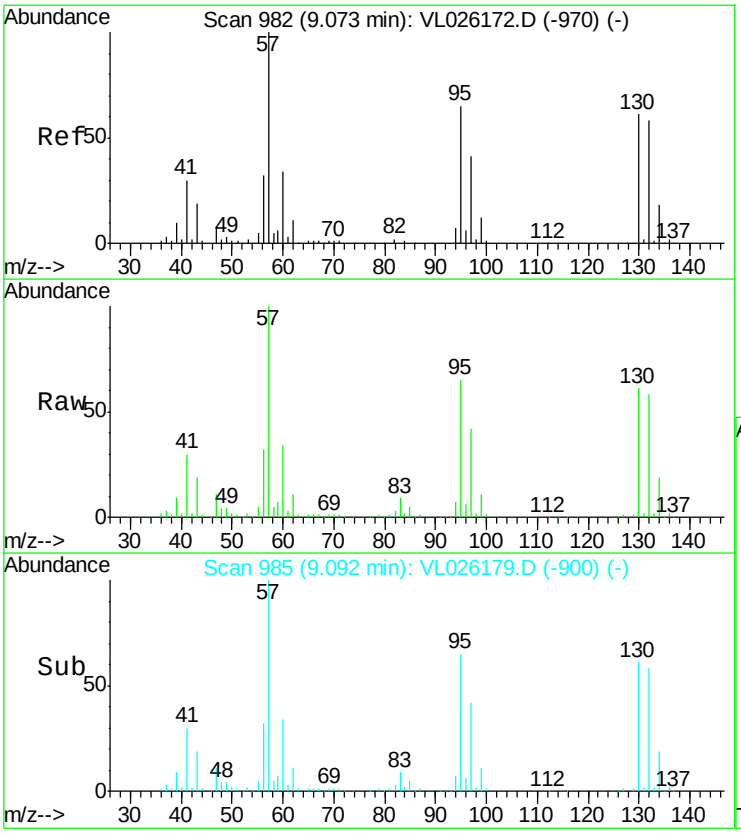
#37
1,2-Dichloroethane
Concen: 9.09 ppbv
RT: 7.40 min Scan# 707
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1172061

Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.2	9.2

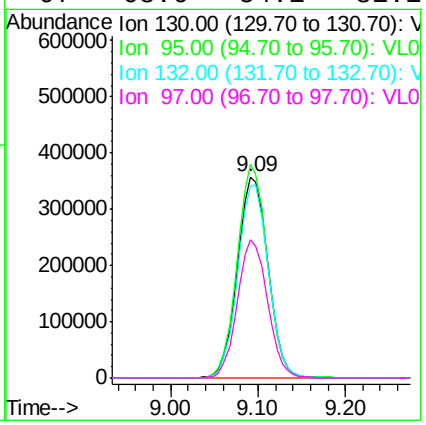


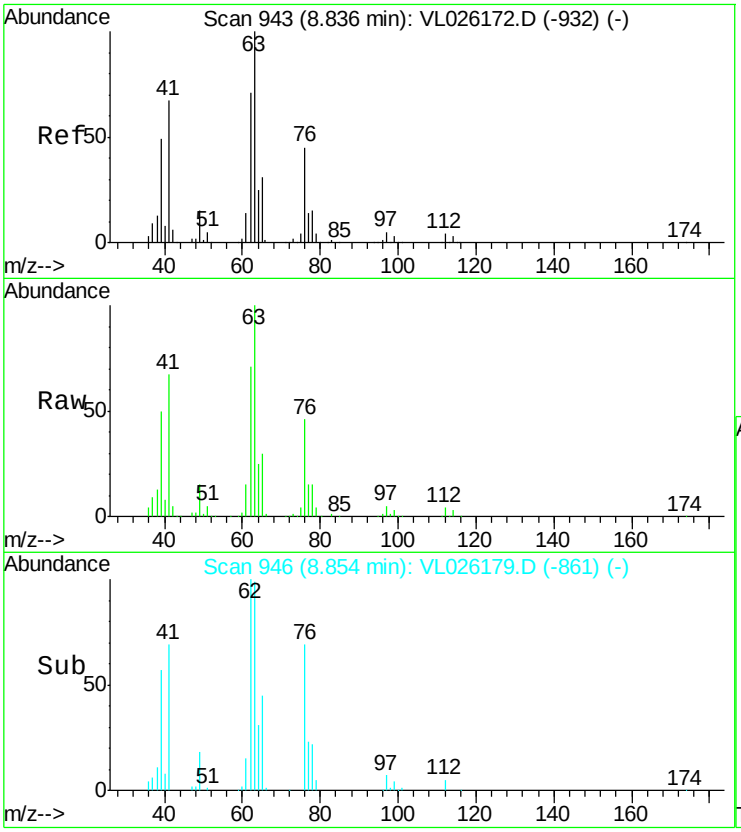


#38
Trichloroethene
Concen: 7.88 ppbv
RT: 9.09 min Scan# 985
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:130 Resp: 870647

Ion	Ratio	Lower	Upper
130	100		
95	106.2	84.9	127.3
132	95.2	76.8	115.2
97	68.6	54.1	81.1



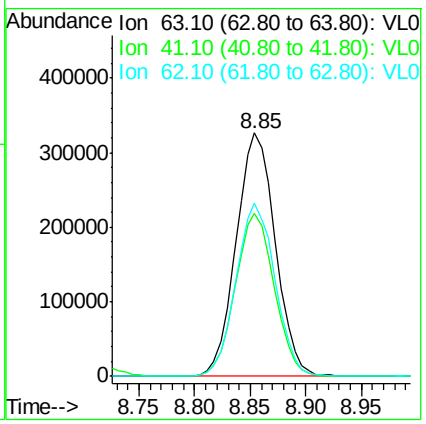


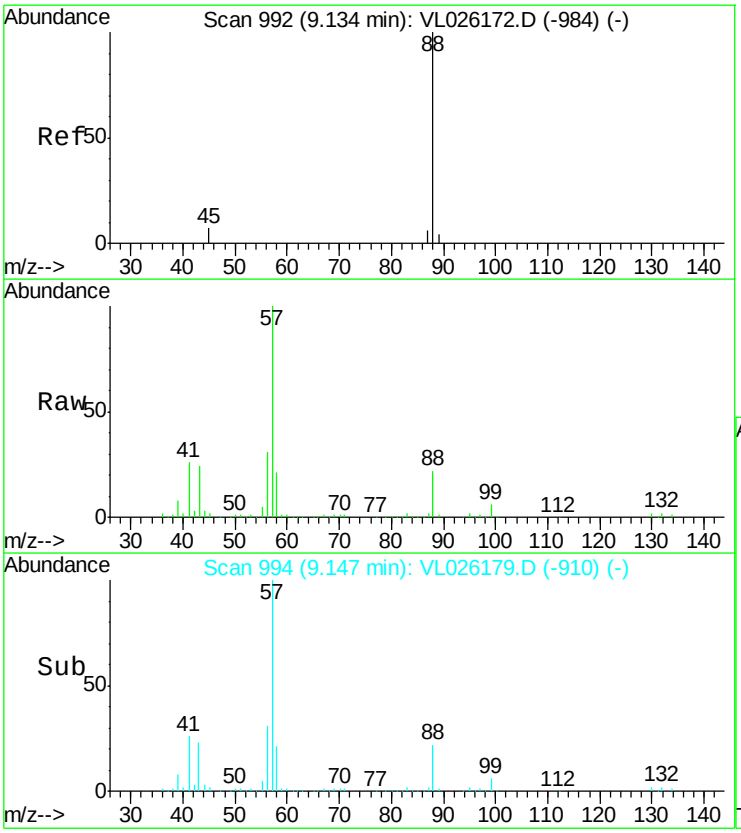
#39
1,2-Dichloropropane
Concen: 8.91 ppbv
RT: 8.85 min Scan# 946
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 796976

Ion	Ratio	Lower	Upper
63	100		
41	66.9	53.9	80.9
62	71.0	57.1	85.7

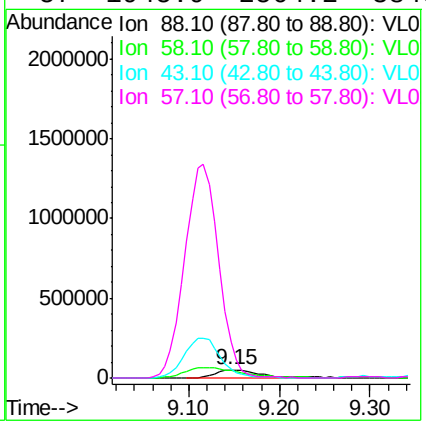


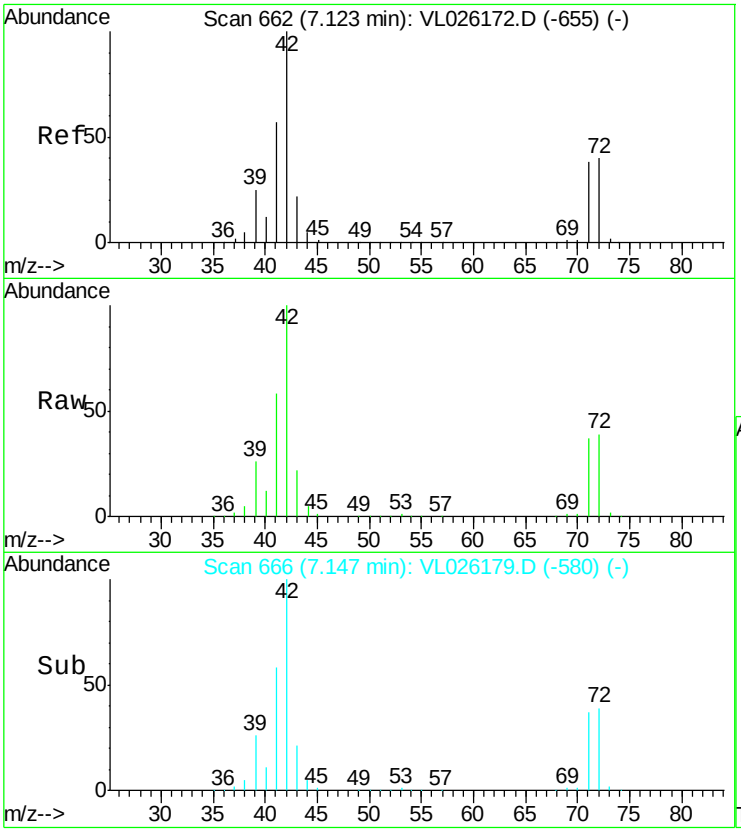


#40
1,4-Dioxane
Concen: 12.31 ppbv
RT: 9.15 min Scan# 994
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 88 Resp: 181166

Ion	Ratio	Lower	Upper
88	100		
58	159.1	178.4	267.6#
43	390.0	510.2	765.4#
57	1945.9	2564.2	3846.4#



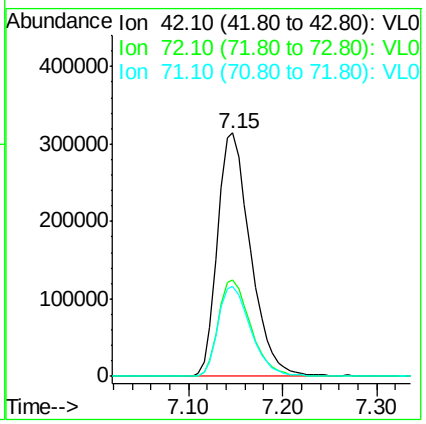


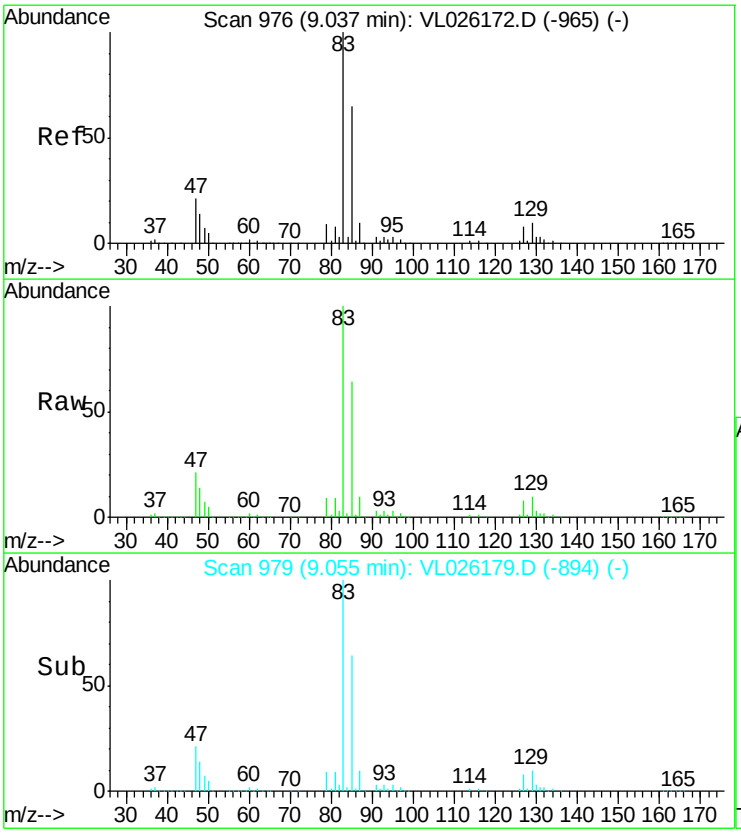
#41
Tetrahydrofuran
Concen: 9.71 ppbv
RT: 7.15 min Scan# 666
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 766306

Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.4	48.6
71	37.0	30.2	45.4

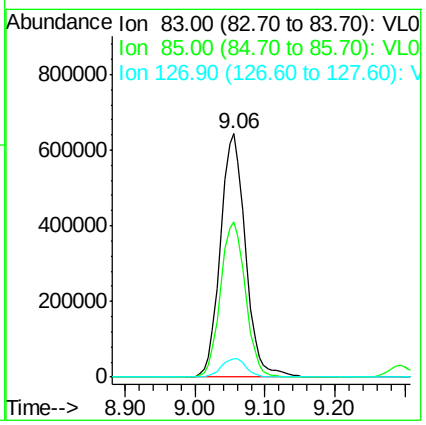


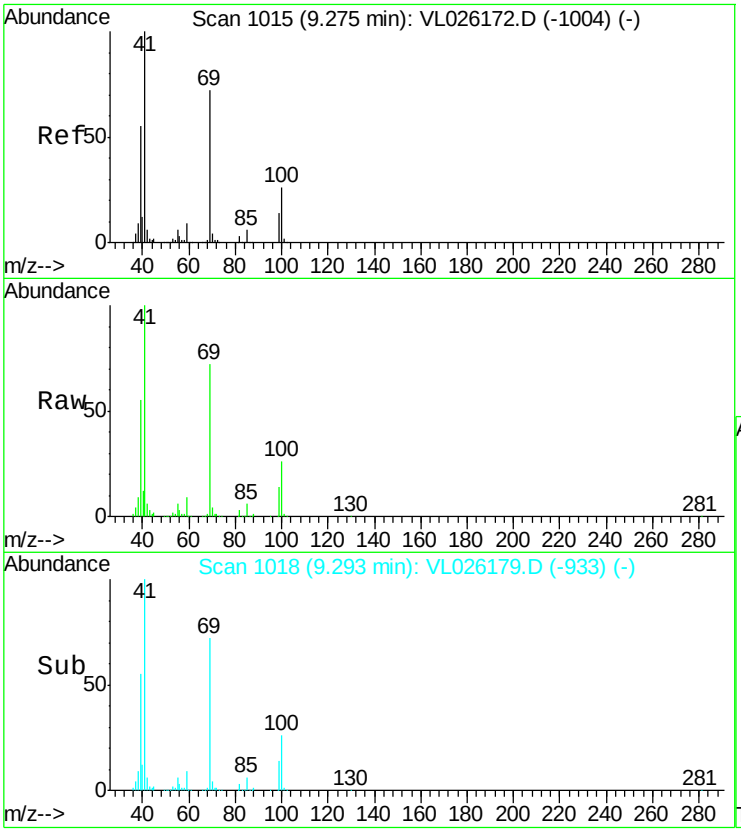


#42
Bromodichloromethane
Concen: 9.45 ppbv
RT: 9.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 83 Resp: 1604157

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9
127	7.7	6.2	9.4



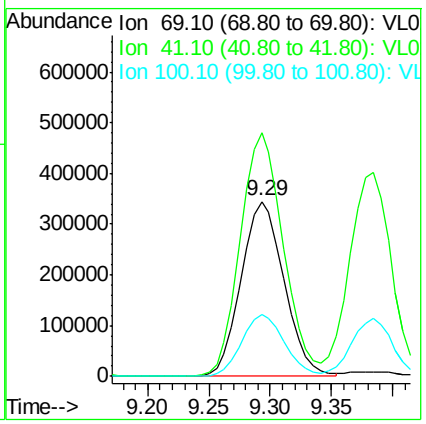


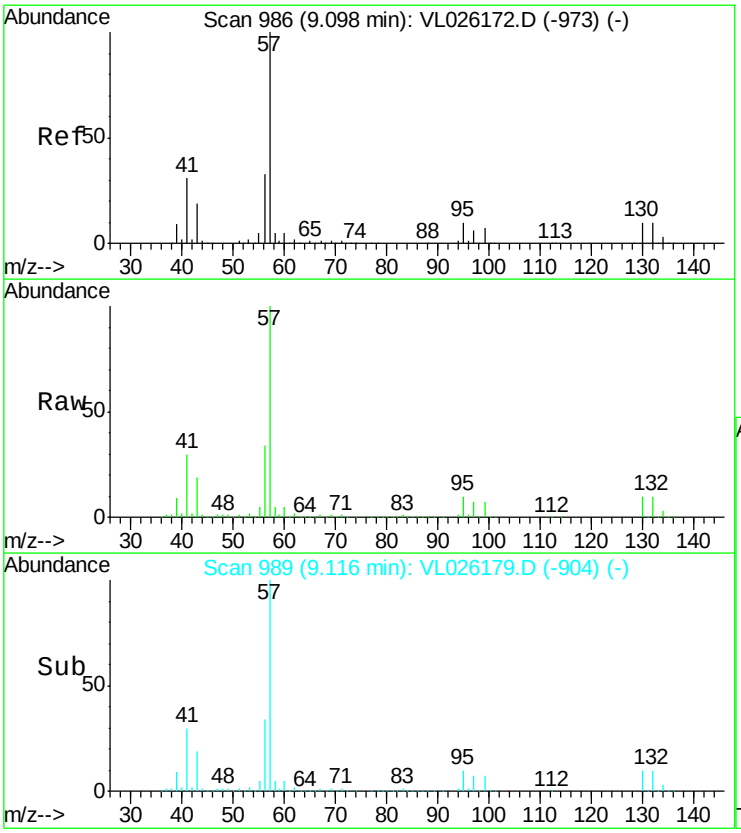
#43
Methyl Methacrylate
Concen: 9.95 ppbv
RT: 9.29 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 843675

Ion	Ratio	Lower	Upper
69	100		
41	138.9	111.5	167.3
100	35.3	28.4	42.6

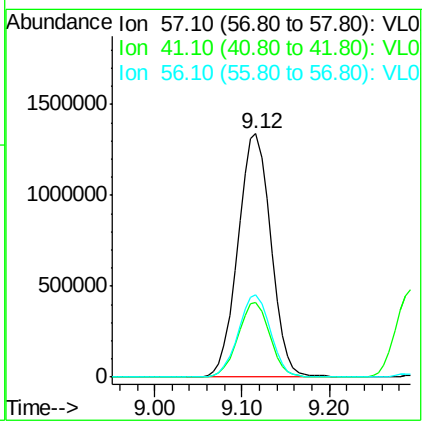


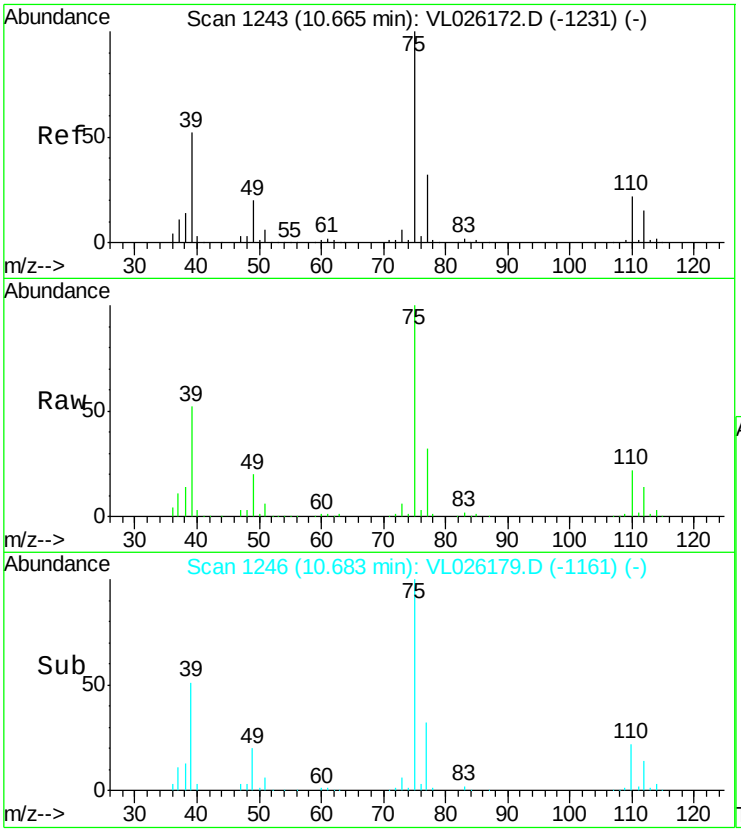


#44
2,2,4-Trimethylpentane
Concen: 8.78 ppbv
RT: 9.12 min Scan# 989
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 57 Resp: 3516121

Ion	Ratio	Lower	Upper
57	100		
41	29.5	23.7	35.5
56	32.9	26.4	39.6



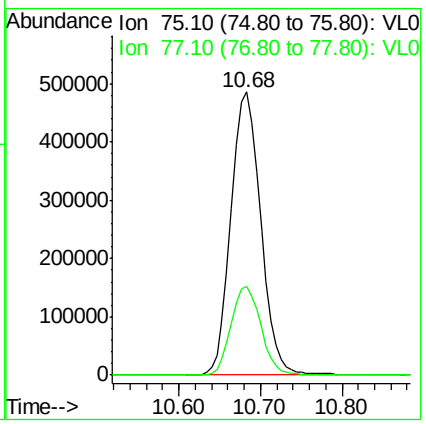


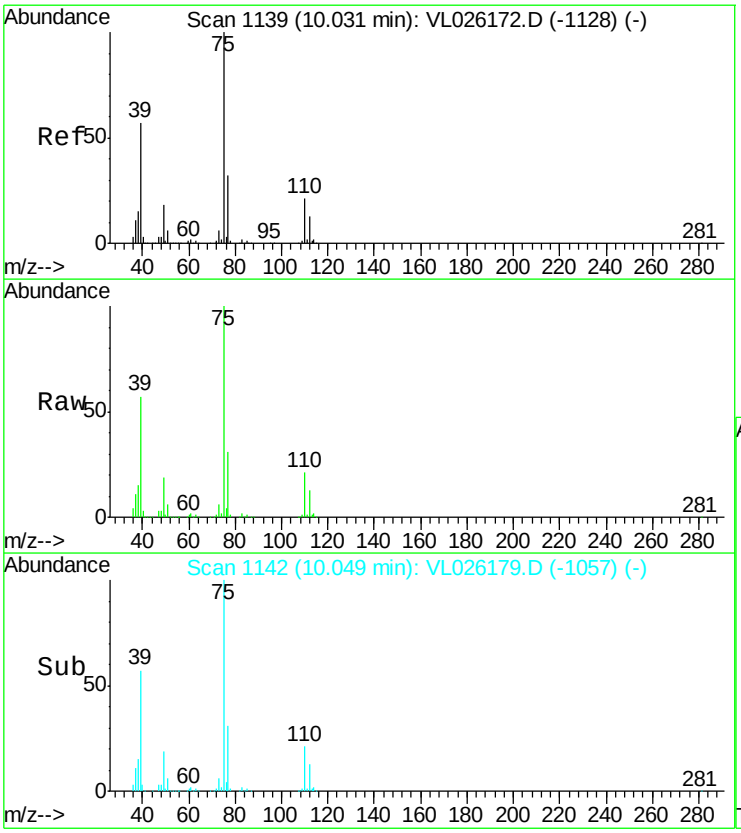
#45
t-1,3-Dichloropropene
Concen: 10.53 ppbv
RT: 10.68 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1229092

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

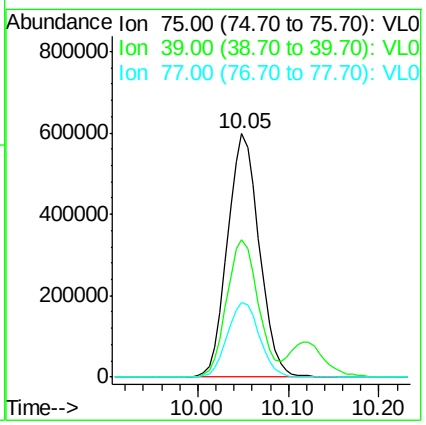


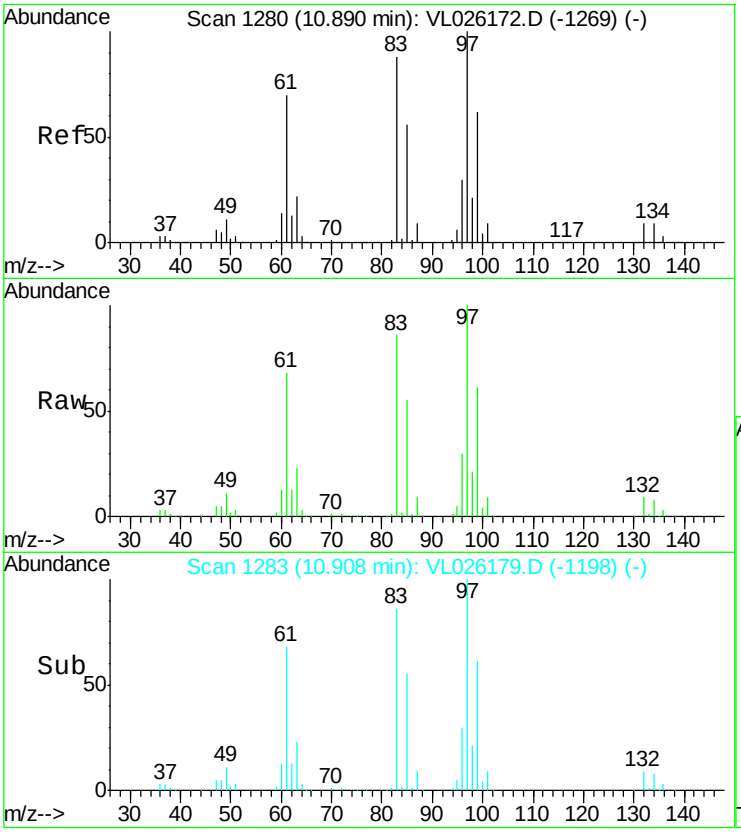


#46
cis-1,3-Dichloropropene
Concen: 10.16 ppbv
RT: 10.05 min Scan# 1142
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 75 Resp: 1455536

Ion	Ratio	Lower	Upper
75	100		
39	56.6	45.4	68.2
77	30.9	25.4	38.2



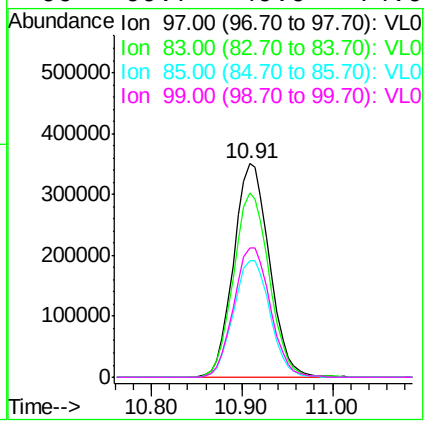


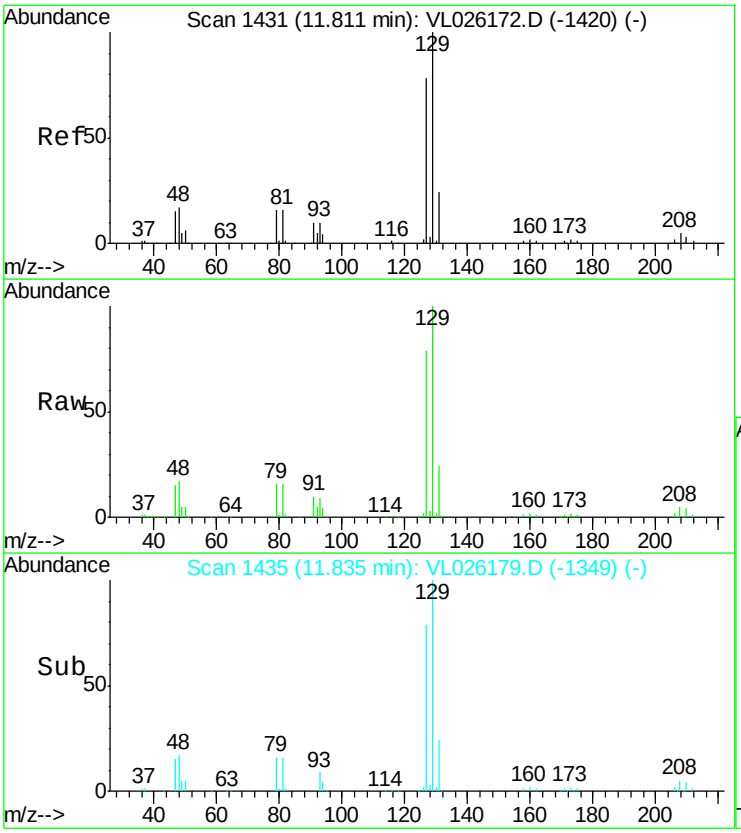
#47
1,1,2-Trichloroethane
Concen: 8.95 ppbv
RT: 10.91 min Scan# 1283
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 960164

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.6	106.0
85	54.7	45.1	67.7
99	60.7	49.9	74.9

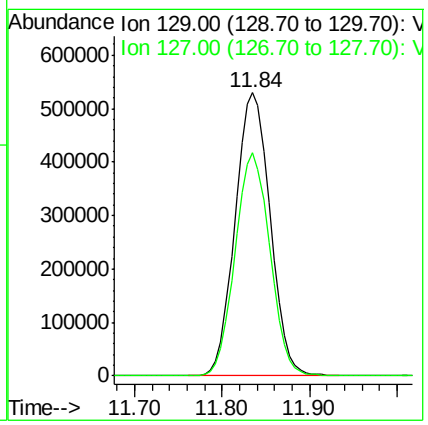


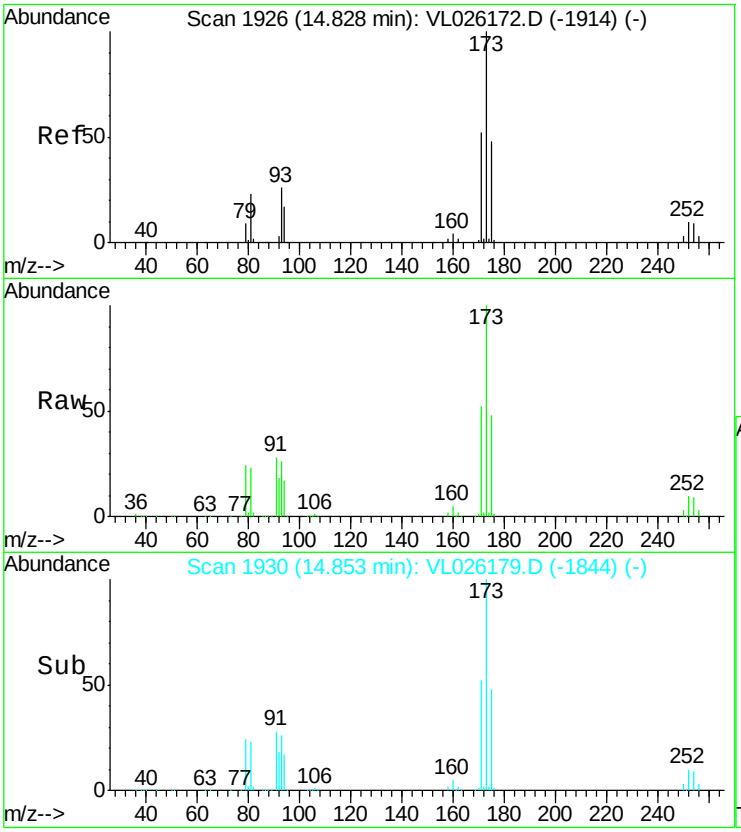


#48
Dibromochloromethane
Concen: 9.72 ppbv
RT: 11.84 min Scan# 1435
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:129 Resp: 1478451

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.0	117.0



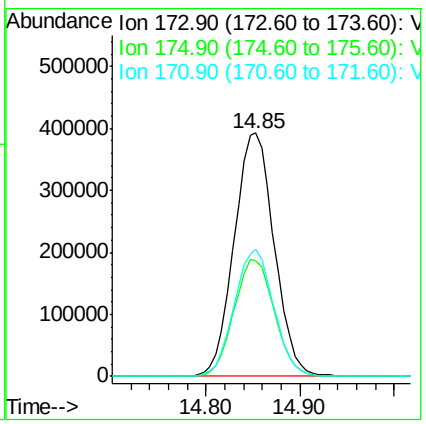


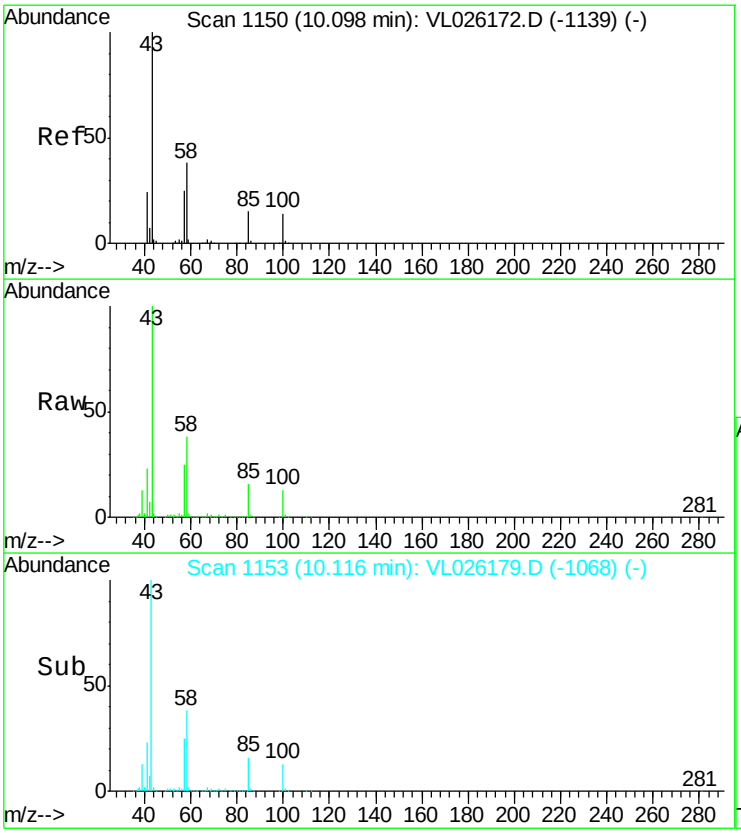
#49
Bromoform
Concen: 10.20 ppbv
RT: 14.85 min Scan# 1930
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1167871

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.6
171	51.8	41.9	62.9

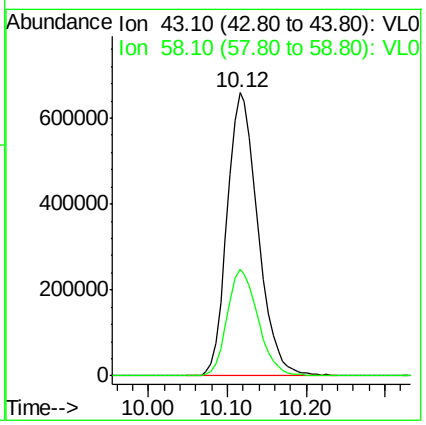


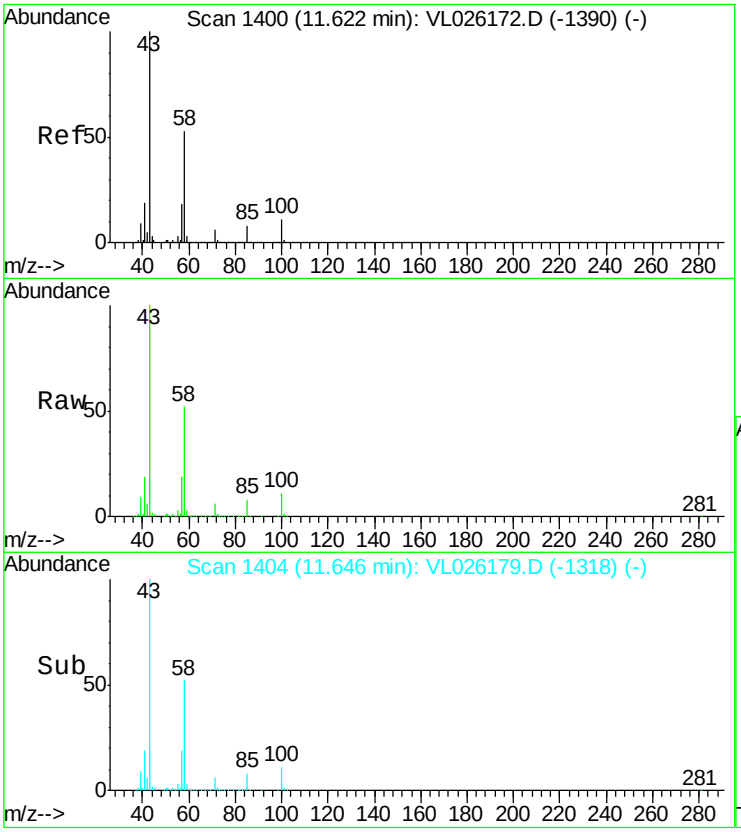


#50
4-Methyl-2-Pentanone
Concen: 9.64 ppbv
RT: 10.12 min Scan# 1153
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 43 Resp: 1785364

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.4	45.6



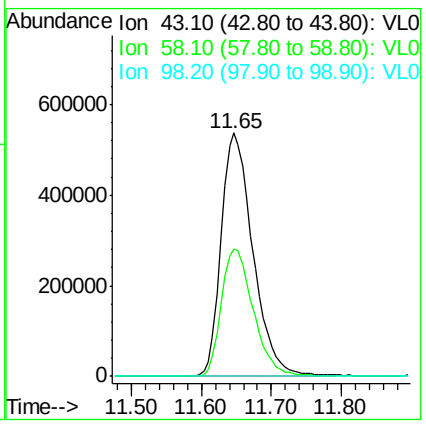


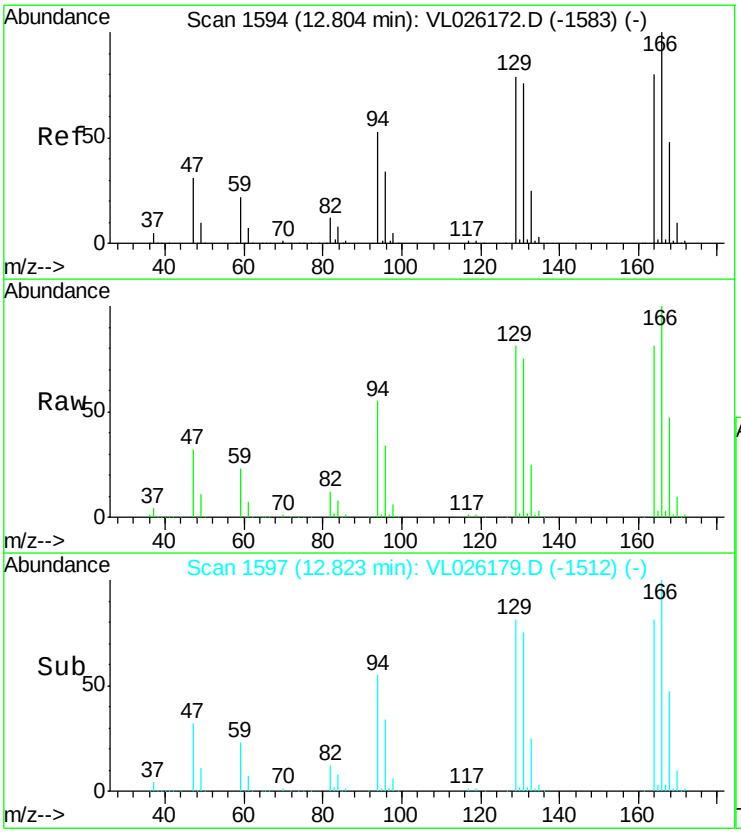
#51
2-Hexanone
Concen: 10.18 ppbv
RT: 11.65 min Scan# 1404
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1696107

Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.2	63.4
98	0.3	0.2	0.2#

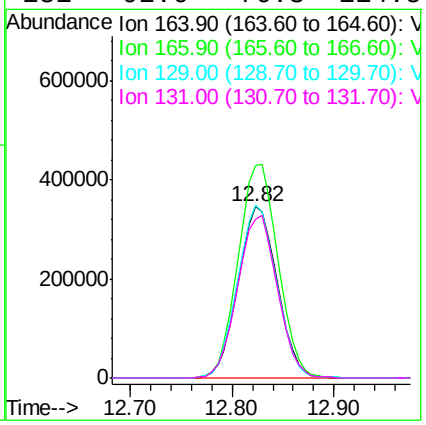


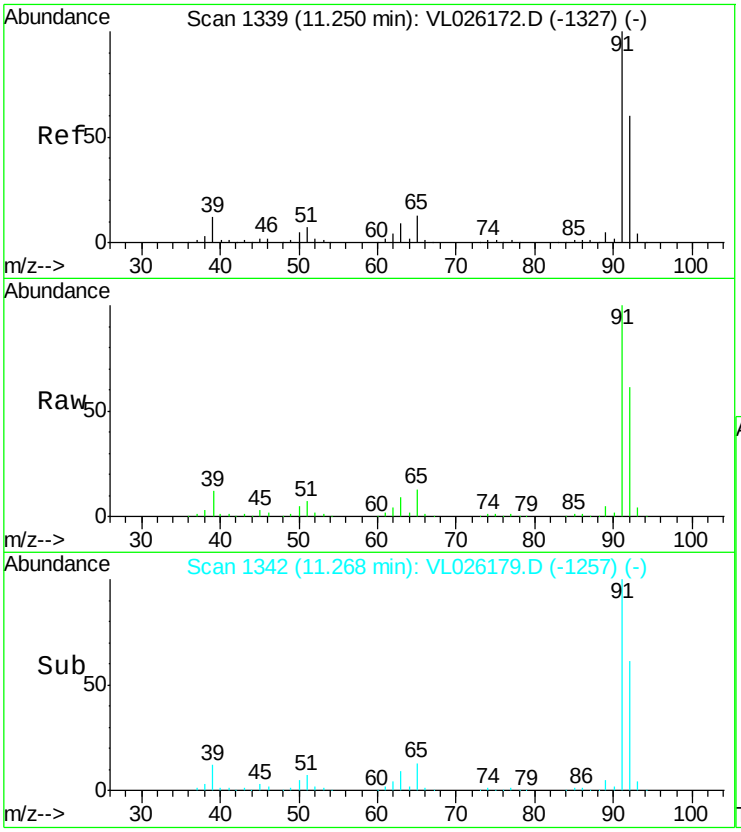


#52
Tetrachloroethene
Concen: 7.75 ppbv
RT: 12.82 min Scan# 1597
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:164 Resp: 921062

Ion	Ratio	Lower	Upper
164	100		
166	123.9	99.9	149.9
129	100.8	79.1	118.7
131	92.6	76.3	114.5



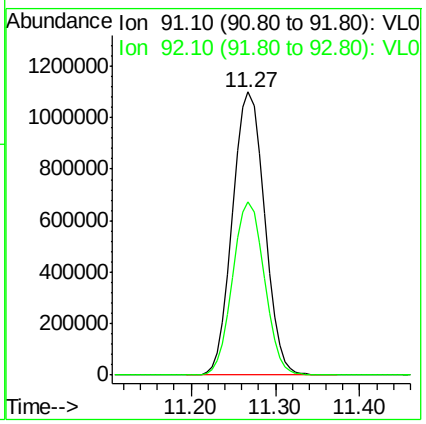


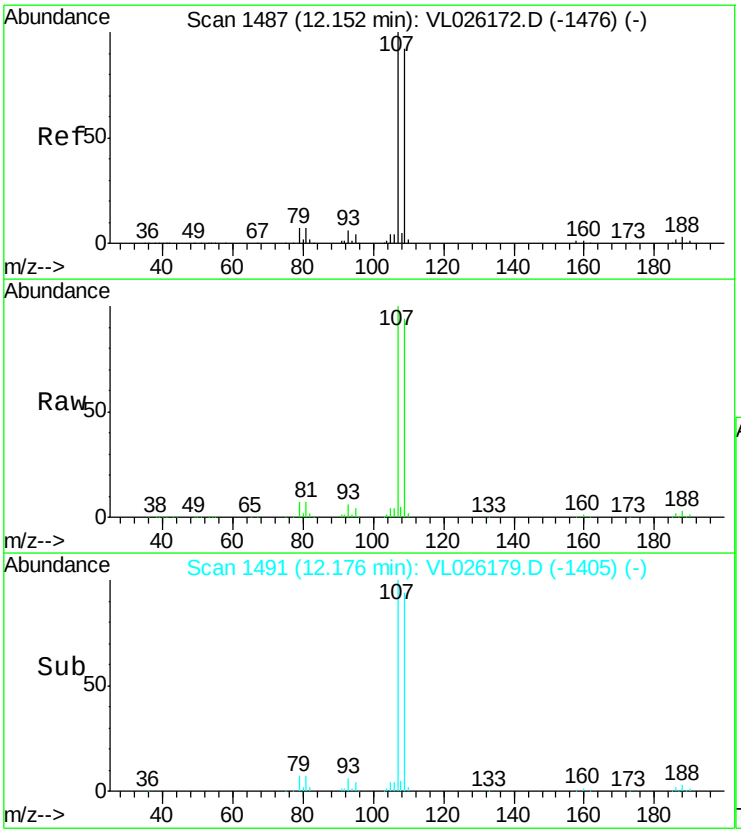
#53
Toluene
Concen: 9.18 ppbv
RT: 11.27 min Scan# 1342
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2847561

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.5	72.7

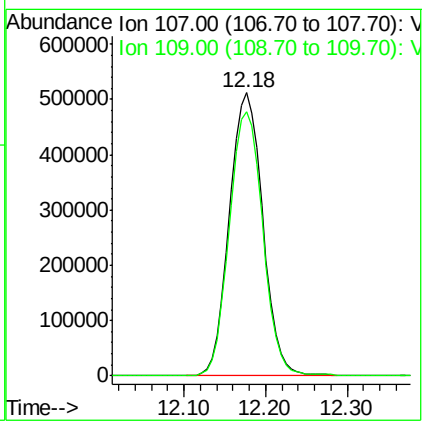


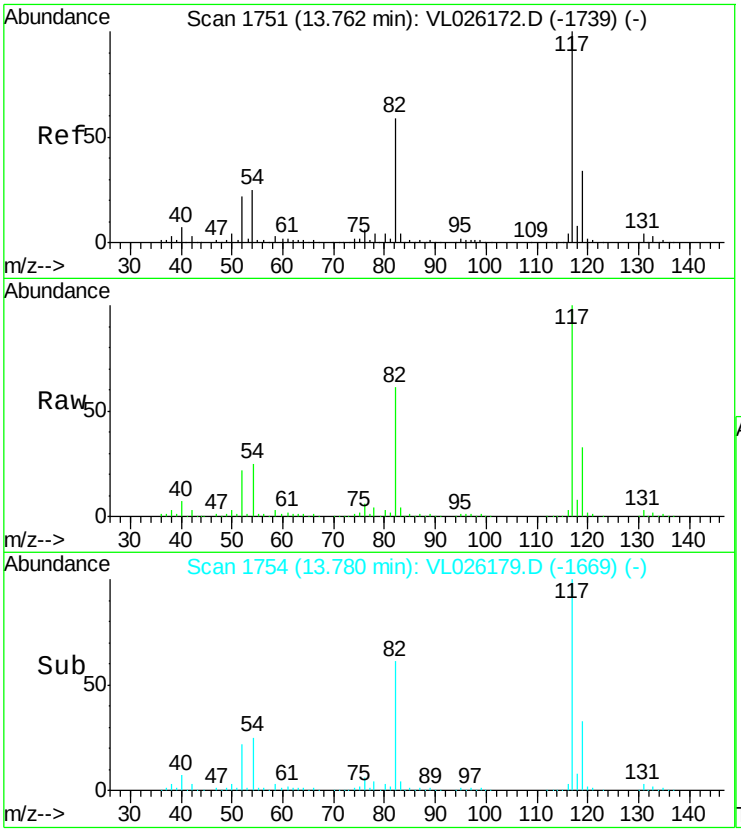


#54
1,2-Dibromoethane
Concen: 9.02 ppbv
RT: 12.18 min Scan# 1491
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:107 Resp: 1450208

Ion	Ratio	Lower	Upper
107	100		
109	93.5	73.2	109.8



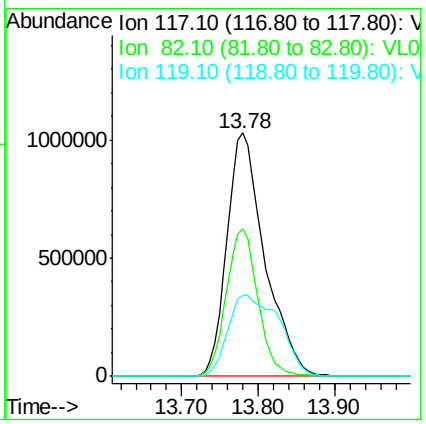


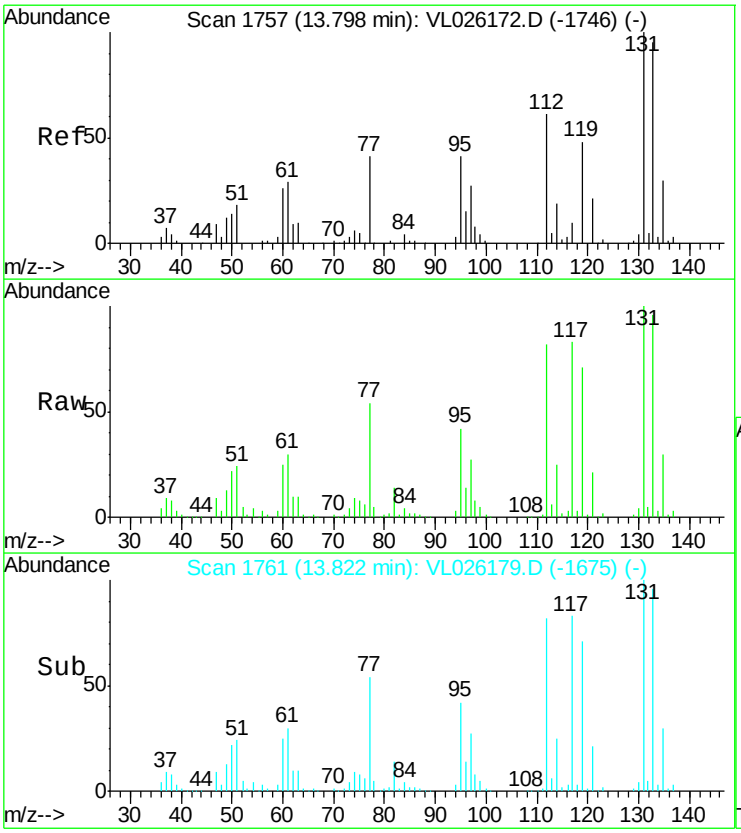
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3534016

Ion	Ratio	Lower	Upper
117	100		
82	50.9	47.7	71.5
119	45.4	43.7	65.5

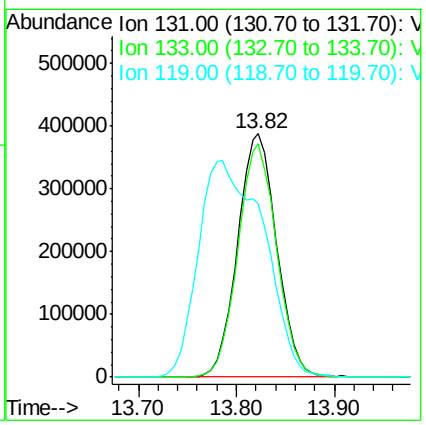


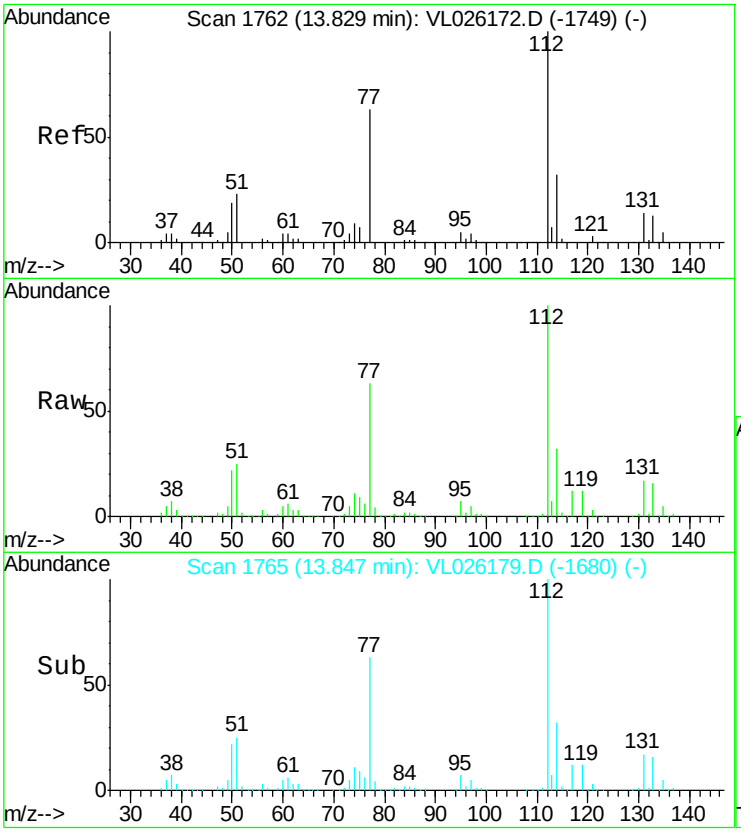


#56
1,1,1,2-Tetrachloroethane
Concen: 7.58 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:131 Resp: 1073736

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.5	114.7
119	149.6	116.0	174.0



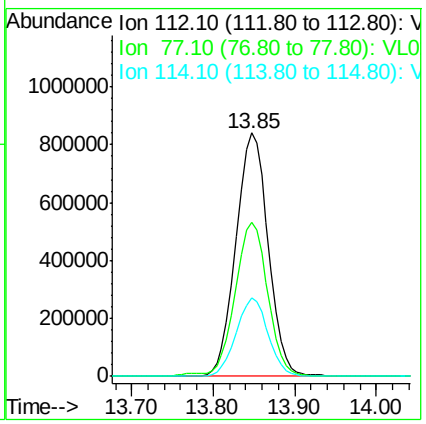


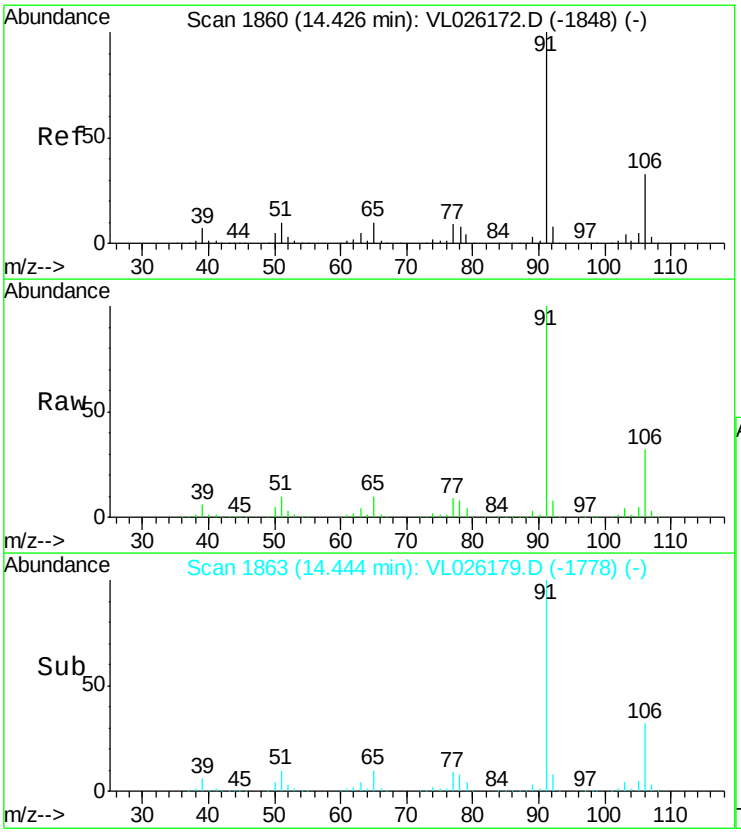
#57
Chlorobenzene
Concen: 7.25 ppbv
RT: 13.85 min Scan# 1765
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2312974

Ion	Ratio	Lower	Upper
112	100		
77	62.9	51.0	76.4
114	32.0	29.0	35.4

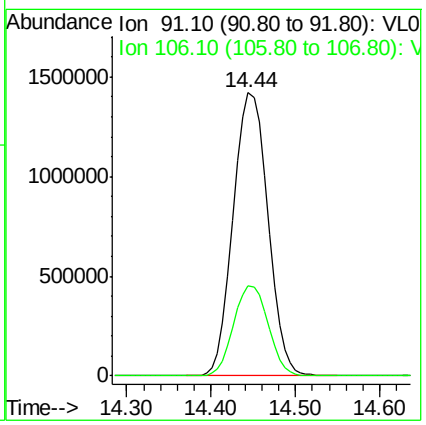


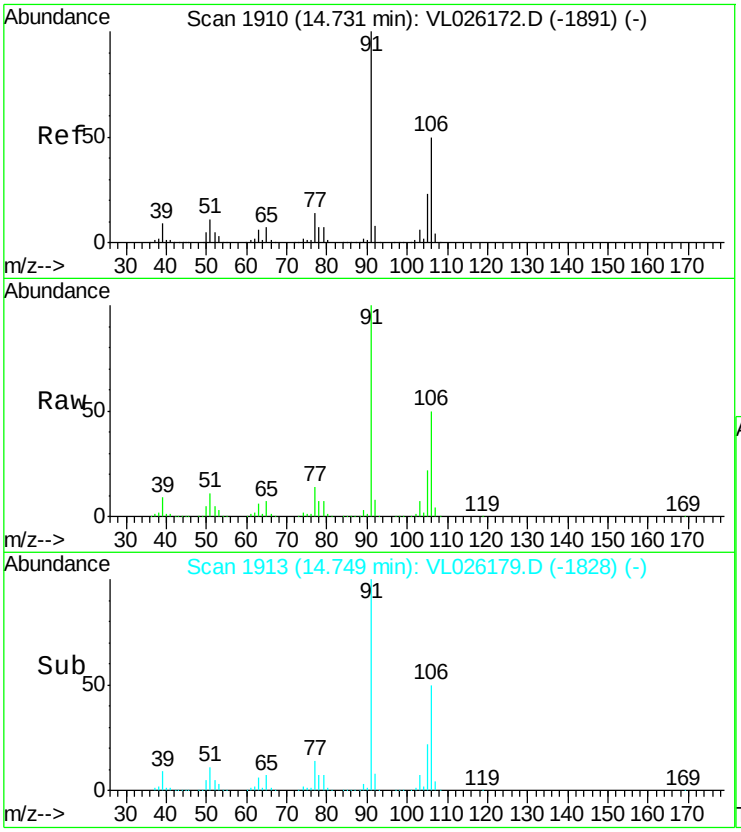


#58
Ethyl Benzene
Concen: 7.76 ppbv
RT: 14.44 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 3981187

Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.1	39.1



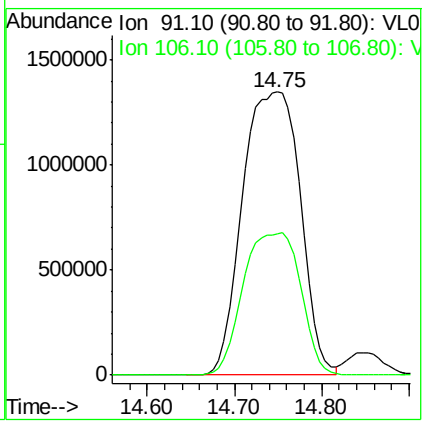


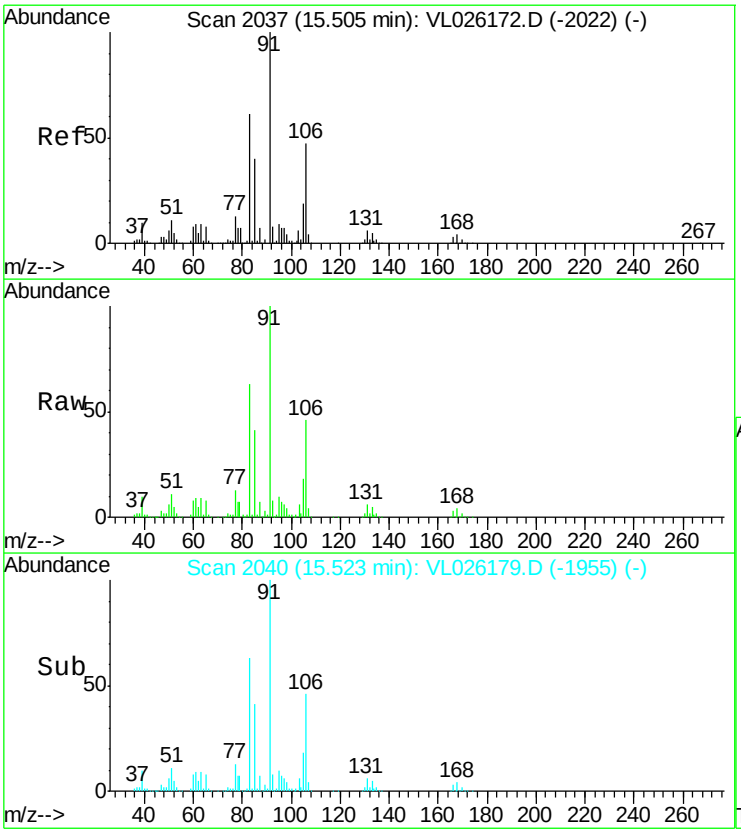
#59
m/p-Xylene
Concen: 14.99 ppbv
RT: 14.75 min Scan# 1913
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6174065

Ion	Ratio	Lower	Upper
91	100		
106	50.2	40.2	60.4

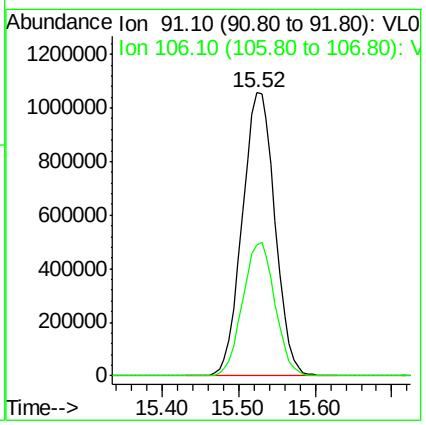


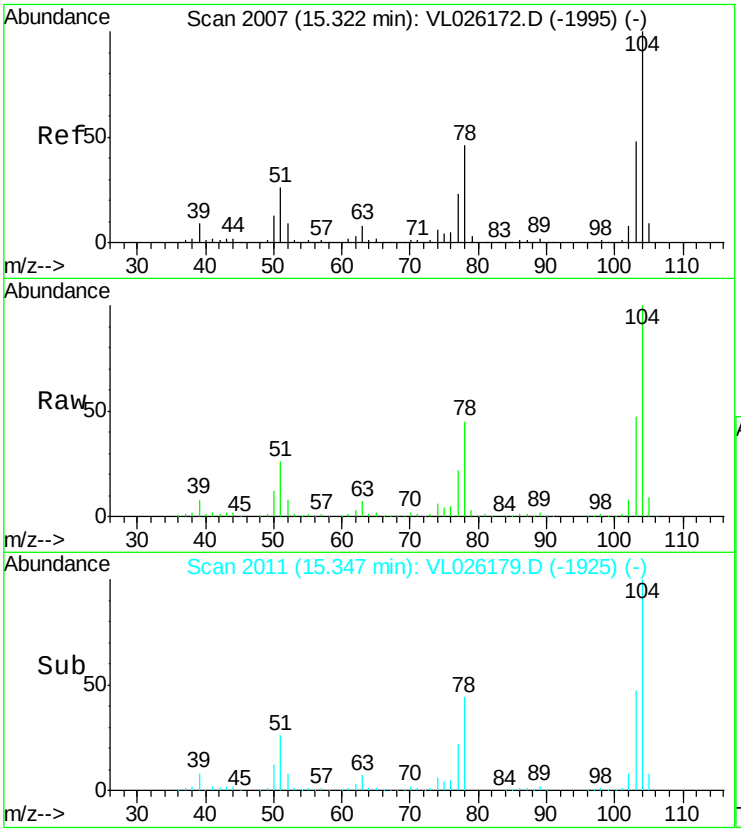


#60
o-Xylene
Concen: 7.26 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 3135057

Ion	Ratio	Lower	Upper
91	100		
106	46.9	23.4	70.3



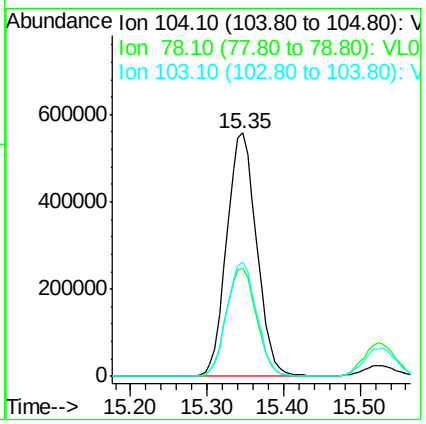


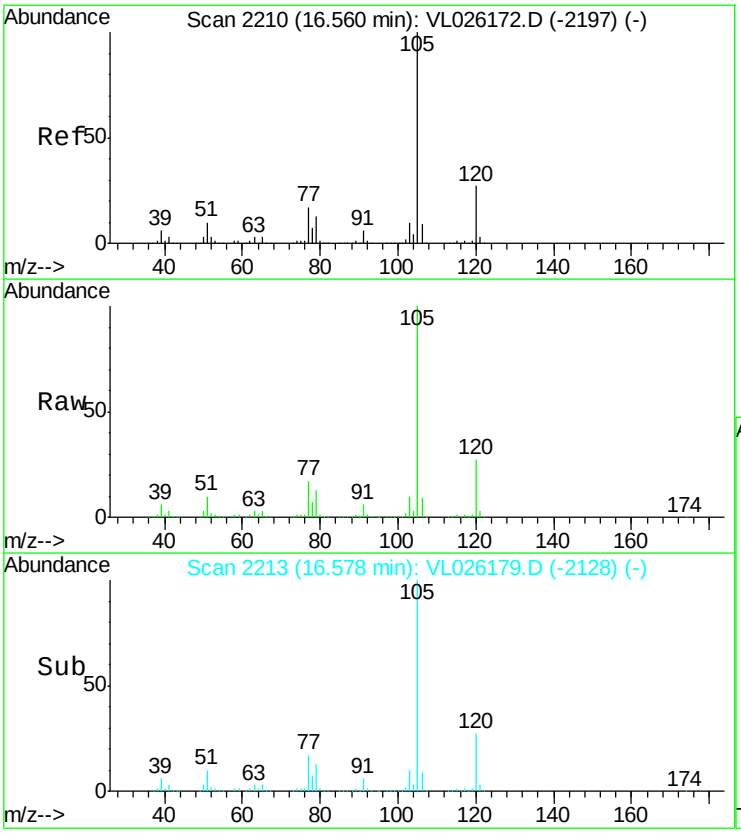
#61
Stvrene
Concen: 8.56 ppbv
RT: 15.35 min Scan# 2011
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1511579

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	46.9	37.5	56.3

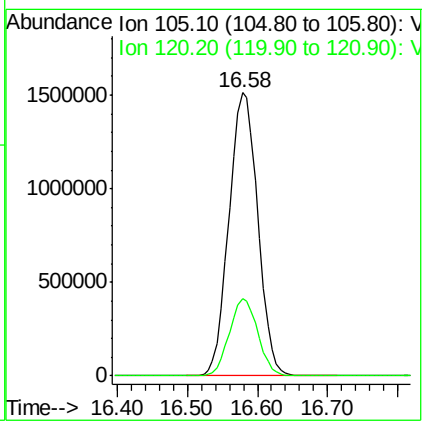


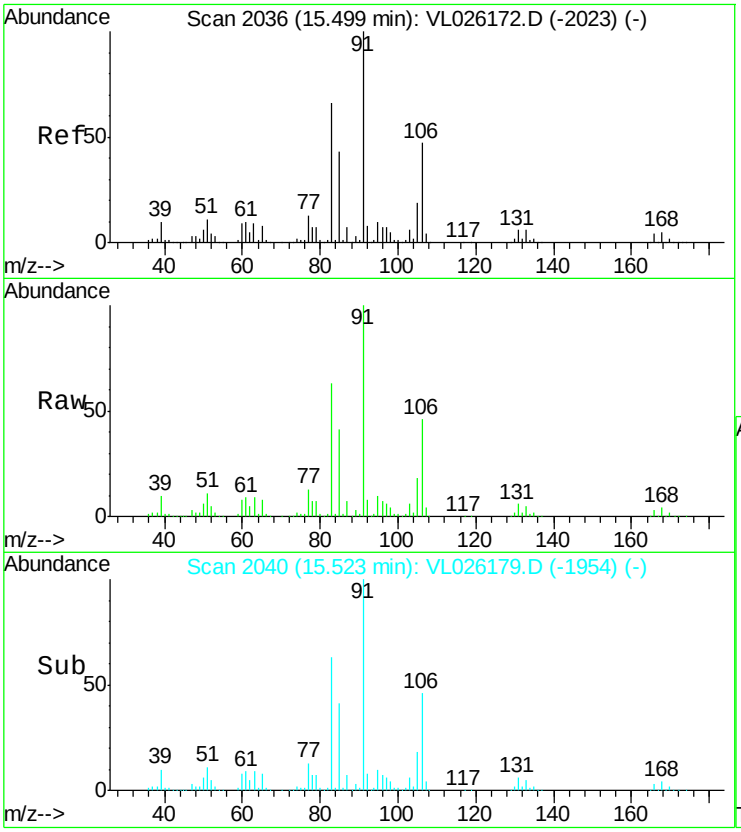


#62
Isopropylbenzene
Concen: 7.60 ppbv
RT: 16.58 min Scan# 2213
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 4326513

Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.8	32.6



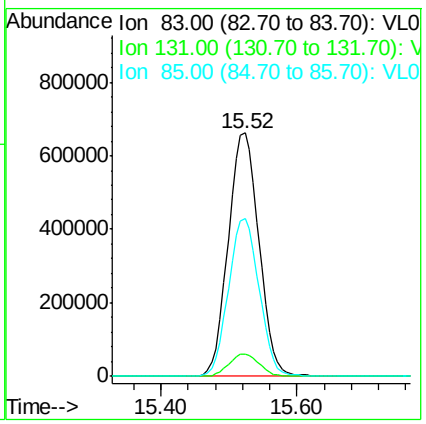


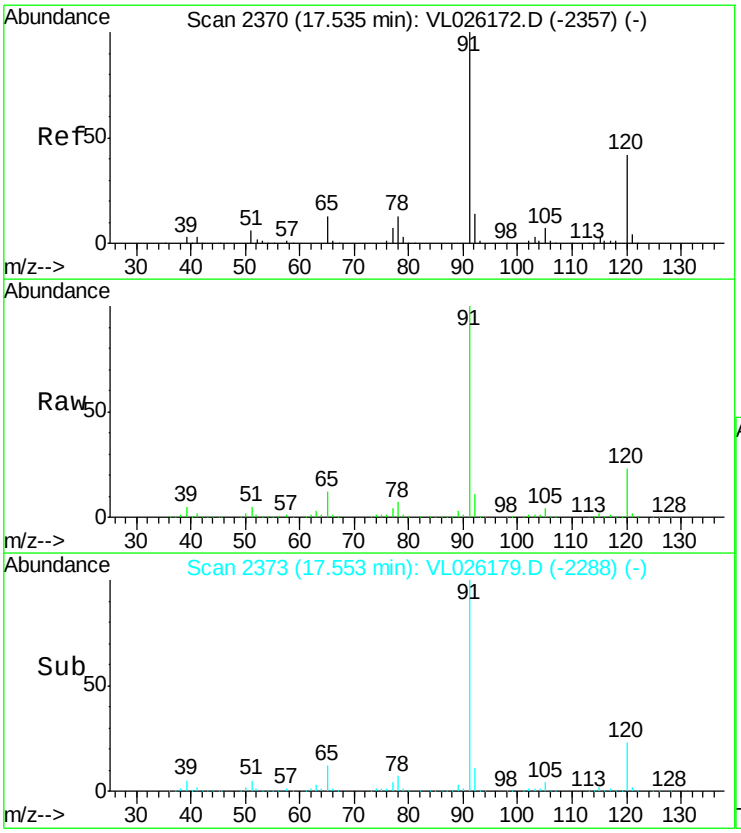
#63
1,1,2,2-Tetrachloroethane
Concen: 6.48 ppbv
RT: 15.52 min Scan# 2040
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2077646

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.9	32.6	97.7

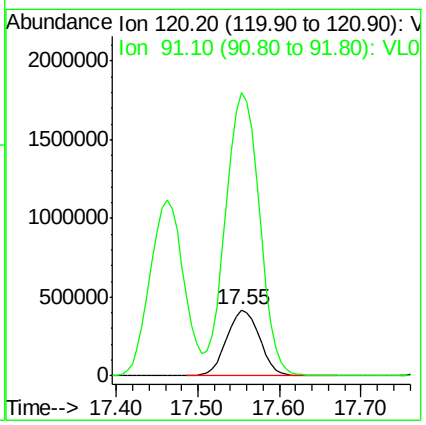


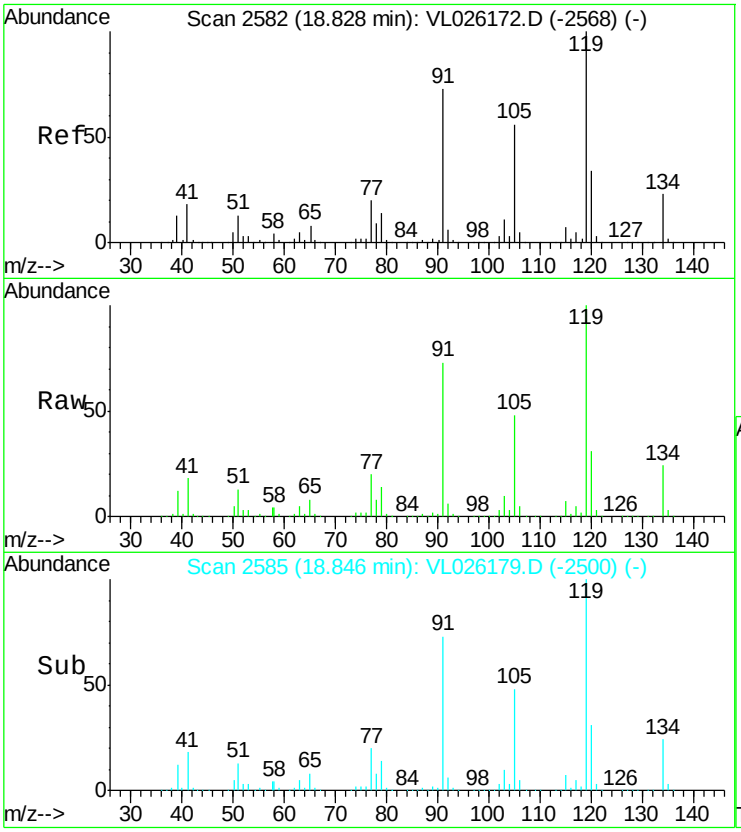


#64
n-propylbenzene
Concen: 7.67 ppbv
RT: 17.55 min Scan# 2373
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:120 Resp: 1174921

Ion	Ratio	Lower	Upper
120	100		
91	448.4	353.4	530.2



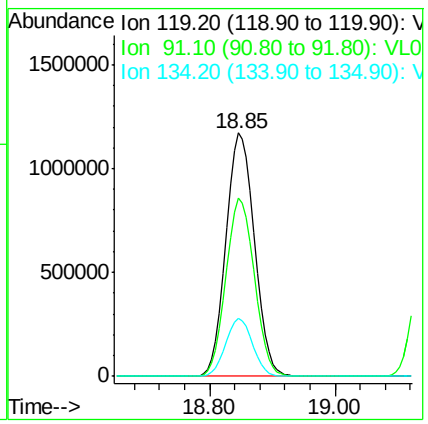


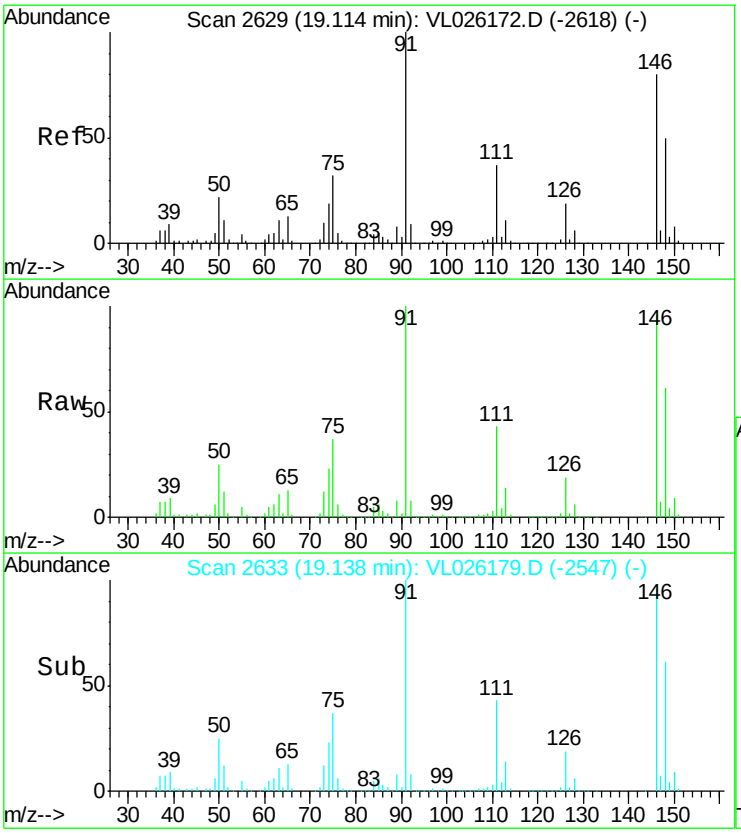
#65
tert-Butylbenzene
Concen: 7.35 ppbv
RT: 18.85 min Scan# 2585
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3690776

Ion	Ratio	Lower	Upper
119	100		
91	73.2	58.5	87.7
134	22.5	18.0	27.0

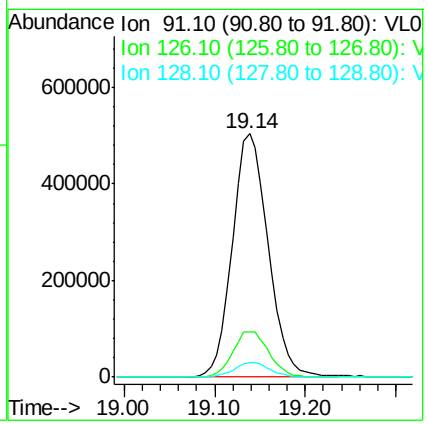


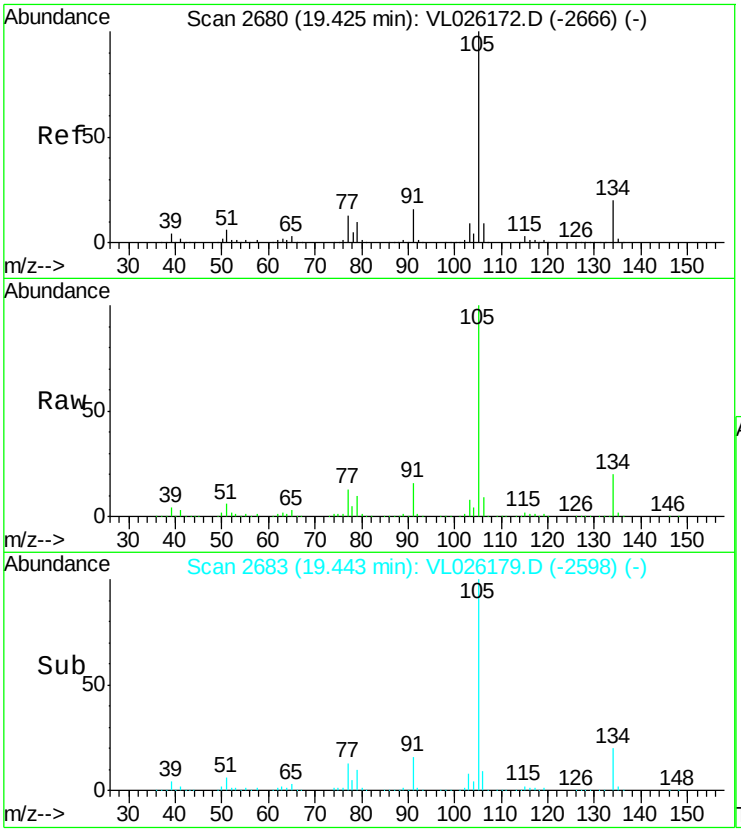


#66
Benzyl Chloride
Concen: 9.23 ppbv
RT: 19.14 min Scan# 2633
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 1377426

Ion	Ratio	Lower	Upper
91	100		
126	19.0	15.2	22.8
128	6.0	4.8	7.2



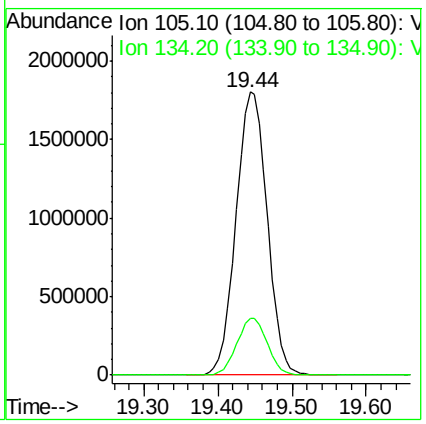


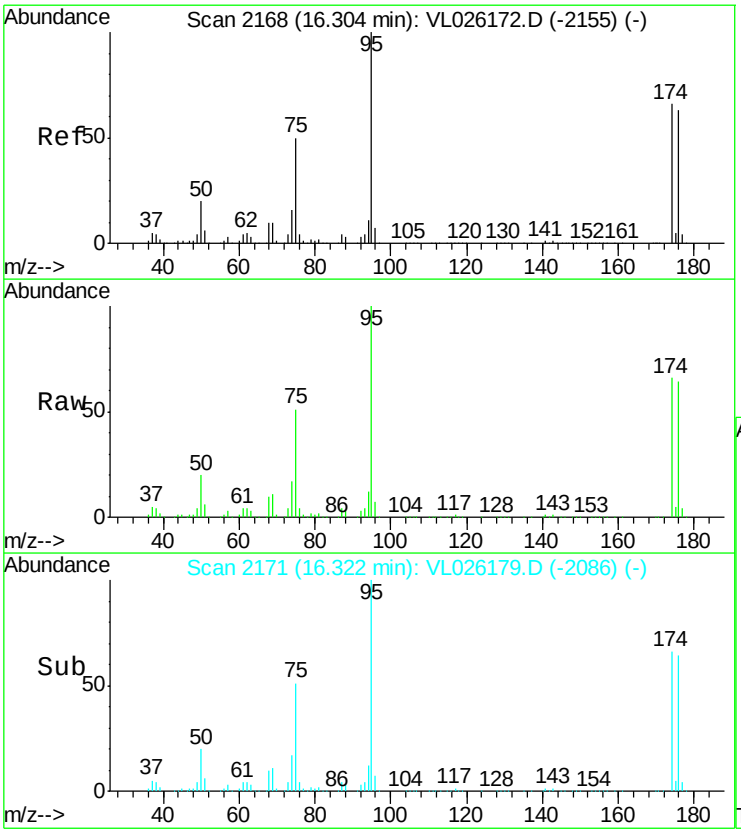
#67
sec-Butylbenzene
Concen: 7.57 ppbv
RT: 19.44 min Scan# 2683
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5298671

Ion	Ratio	Lower	Upper
105	100		
134	19.7	15.9	23.9

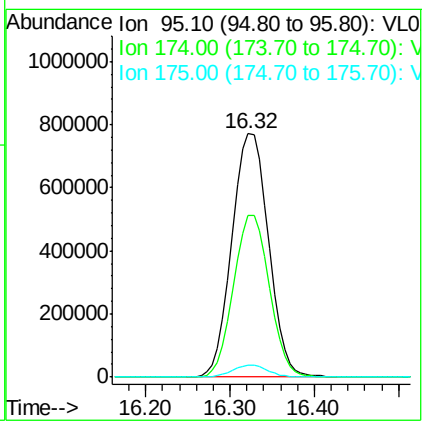


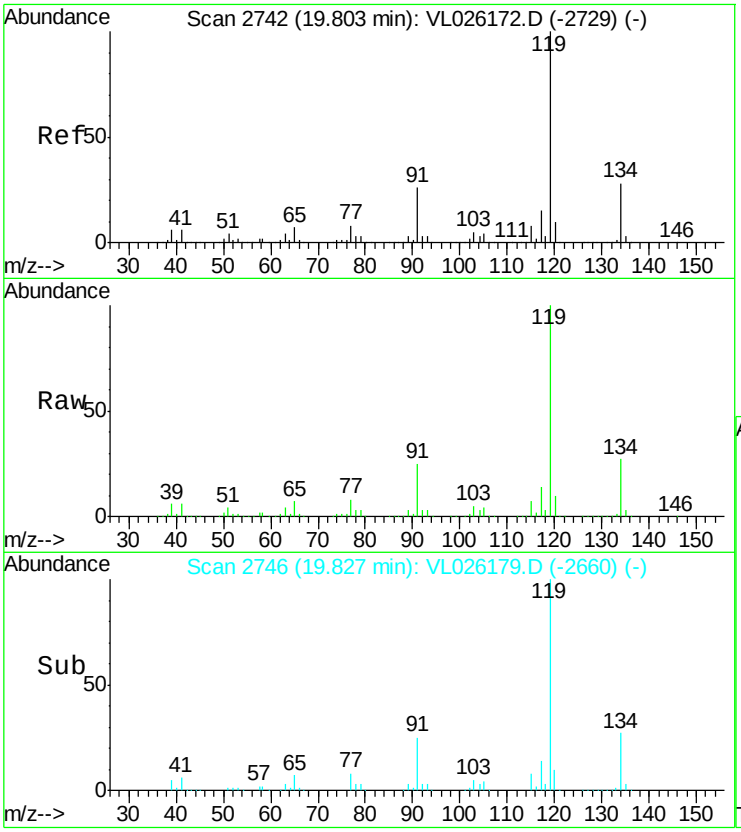


#68
1-Bromo-4-Fluorobenzene
Concen: 8.40 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 95 Resp: 2279007

Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.2	78.4
175	4.8	3.9	5.9



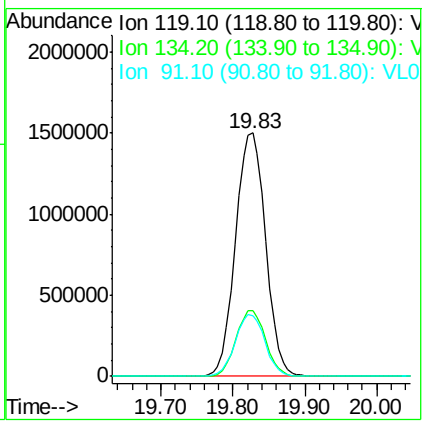


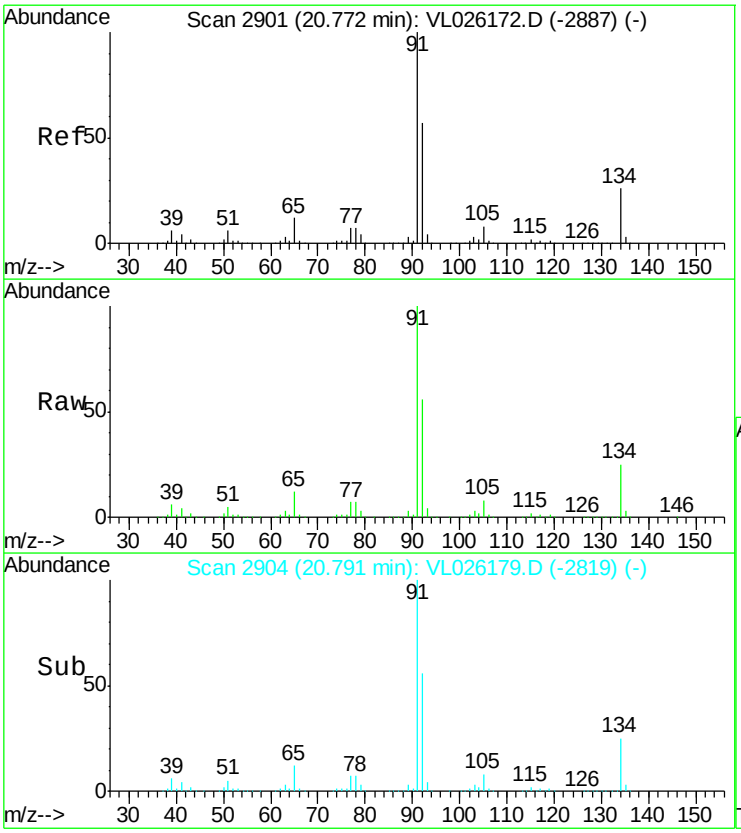
#69
p-Isopropyltoluene
Concen: 7.79 ppbv
RT: 19.83 min Scan# 2746
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4359279

Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.4	32.0
91	25.0	19.9	29.9

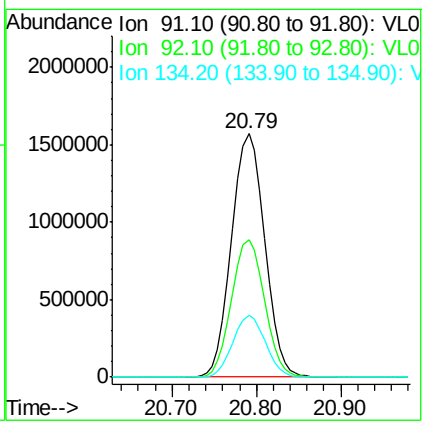


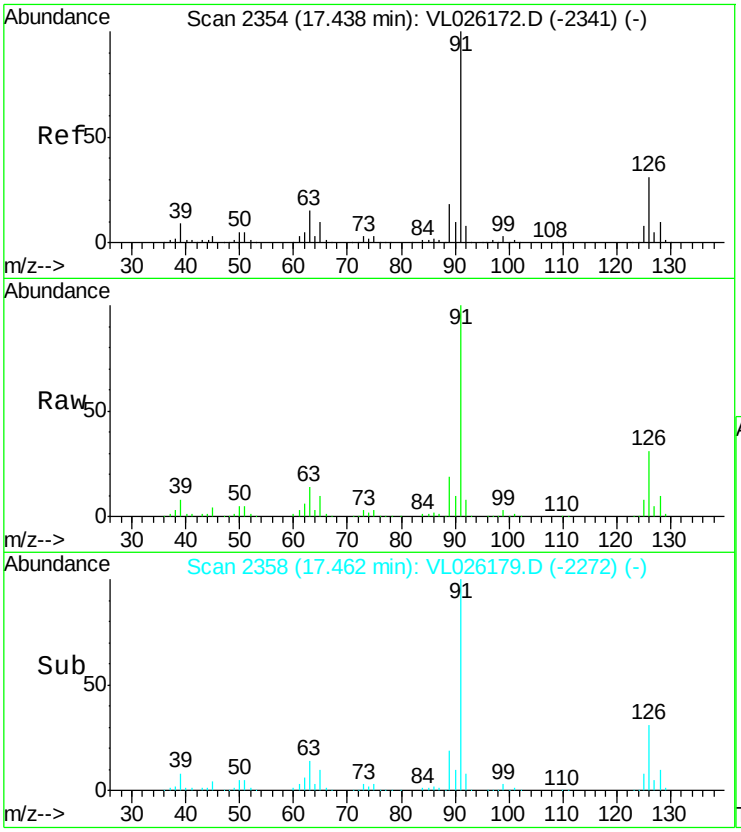


#70
n-Butylbenzene
Concen: 7.83 ppbv
RT: 20.79 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion: 91 Resp: 4203028

Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.0	67.6
134	24.8	19.8	29.8



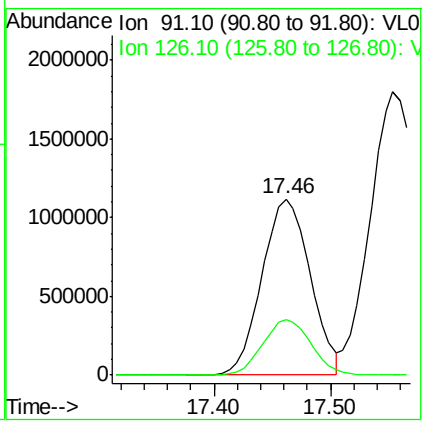


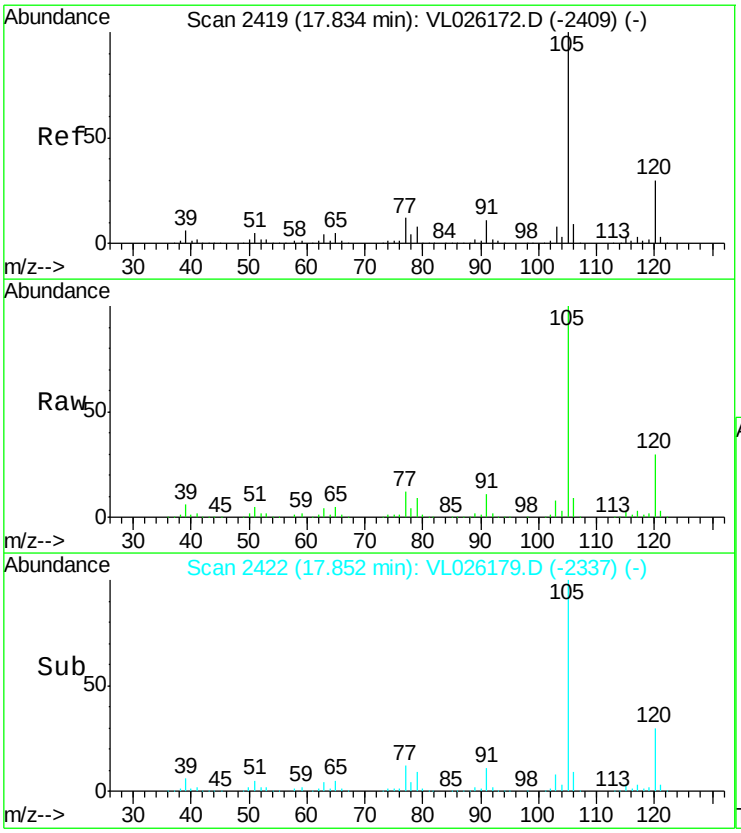
#71
2-Chlorotoluene
Concen: 7.75 ppbv
RT: 17.46 min Scan# 2358
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3219210

Ion	Ratio	Lower	Upper
91	100		
126	31.6	12.8	51.2

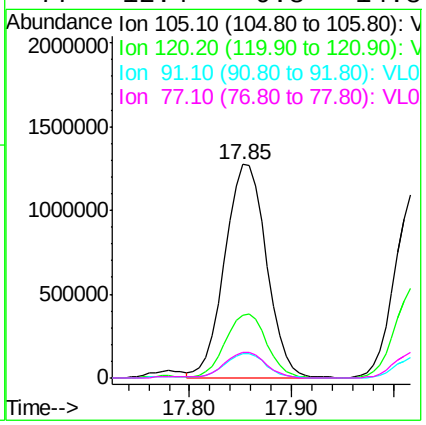


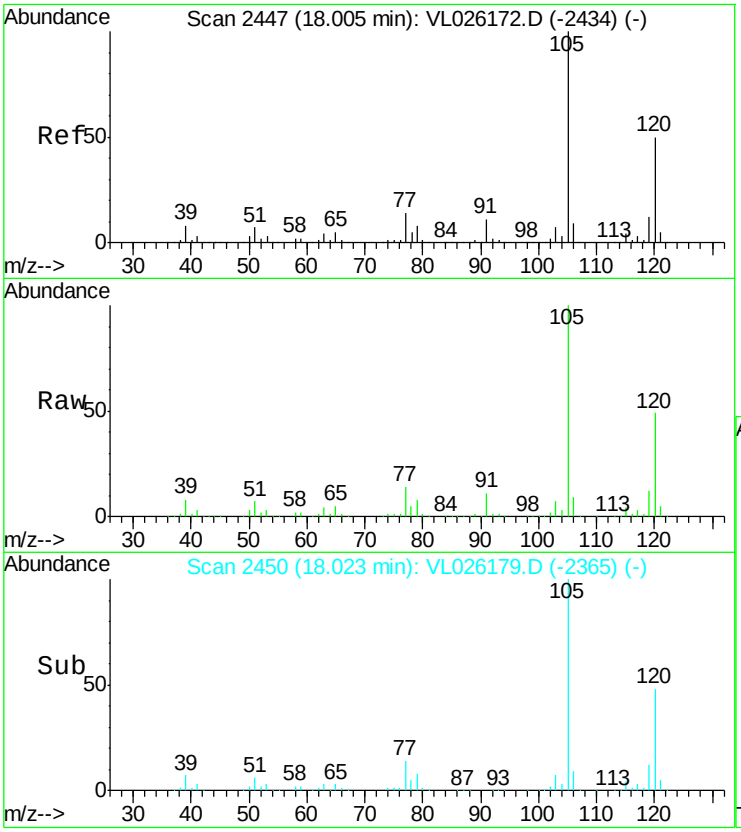


#72
4-Ethyltoluene
Concen: 7.87 ppbv
RT: 17.85 min Scan# 2422
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 3625159

Ion	Ratio	Lower	Upper
105	100		
120	31.0	24.7	37.1
91	11.5	9.2	13.8
77	12.4	9.8	14.8



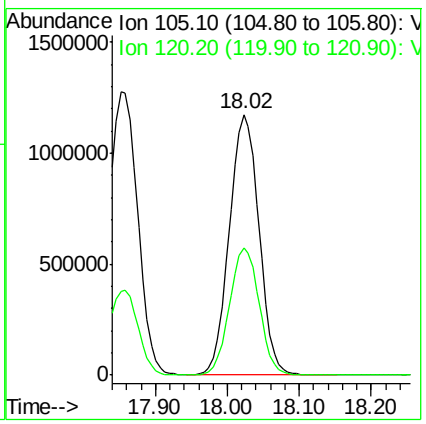


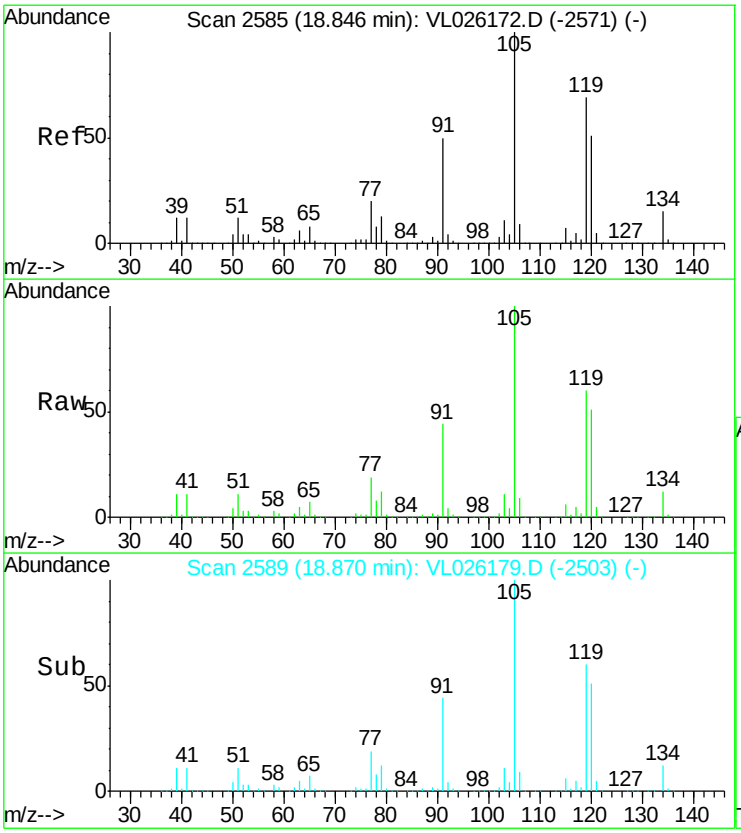
#73
1,3,5-Trimethylbenzene
Concen: 7.74 ppbv
RT: 18.02 min Scan# 2450
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3349033

Ion	Ratio	Lower	Upper
105	100		
120	49.0	40.1	60.1

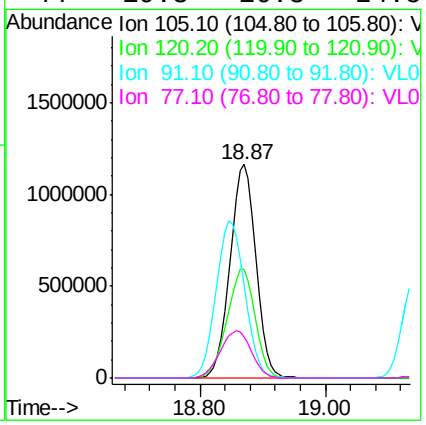


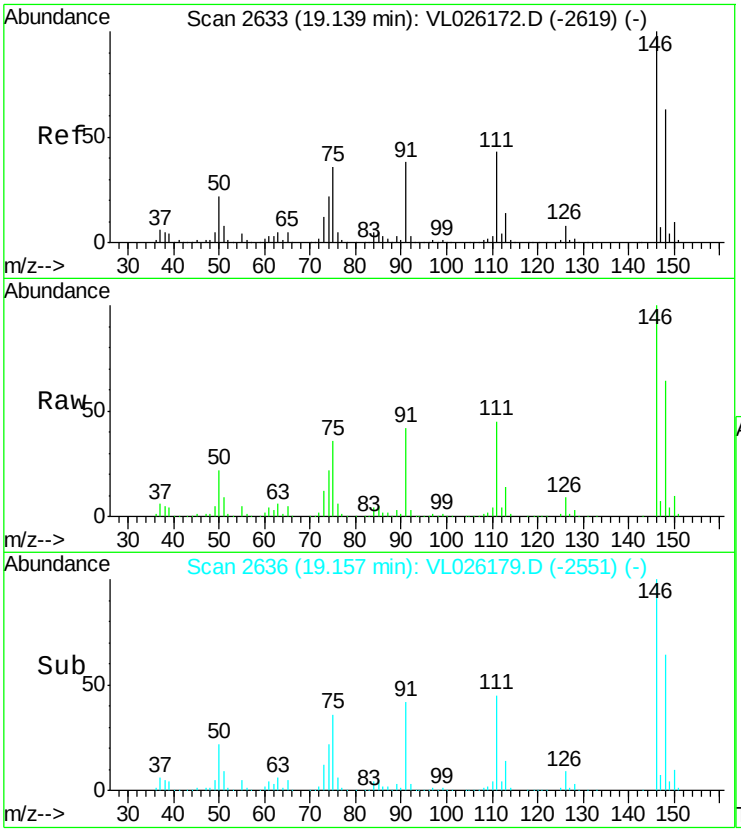


#74
1,2,4-Trimethylbenzene
Concen: 7.32 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:105 Resp: 3325262

Ion	Ratio	Lower	Upper
105	100		
120	50.8	41.1	61.7
91	43.8	39.8	59.6
77	19.3	16.3	24.5



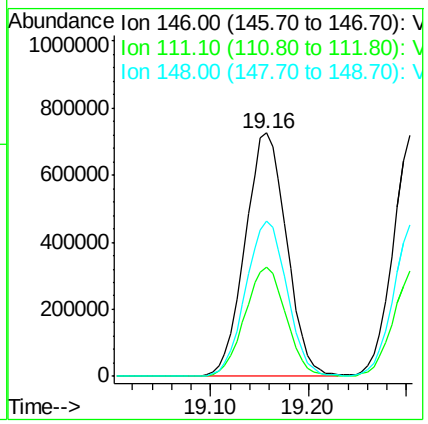


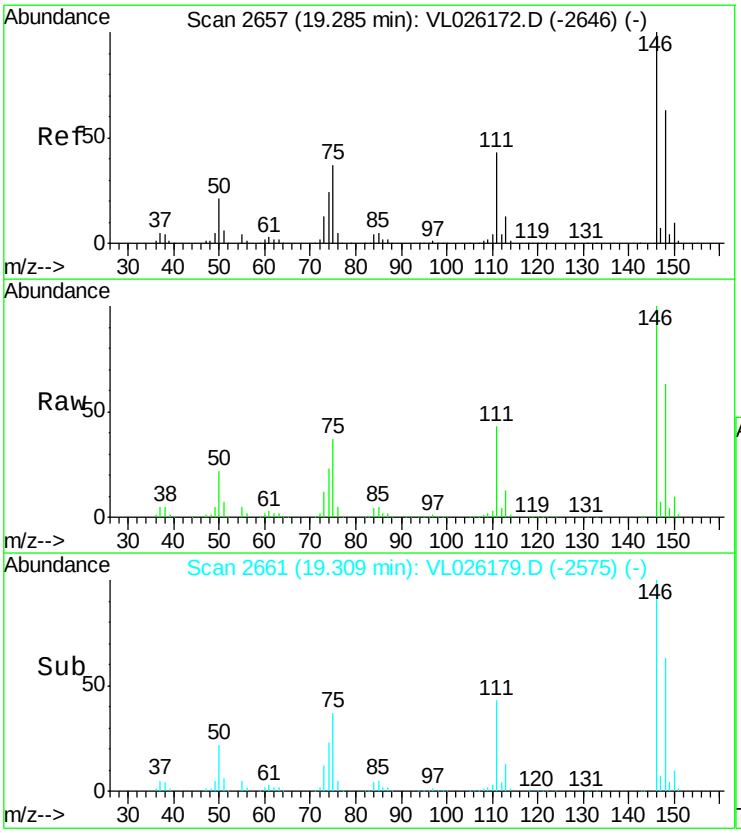
#75
1,3-Dichlorobenzene
Concen: 7.37 ppbv
RT: 19.16 min Scan# 2636
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2139815

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.3
148	63.3	31.9	95.5

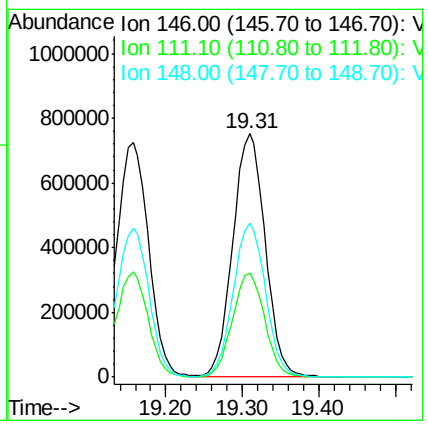


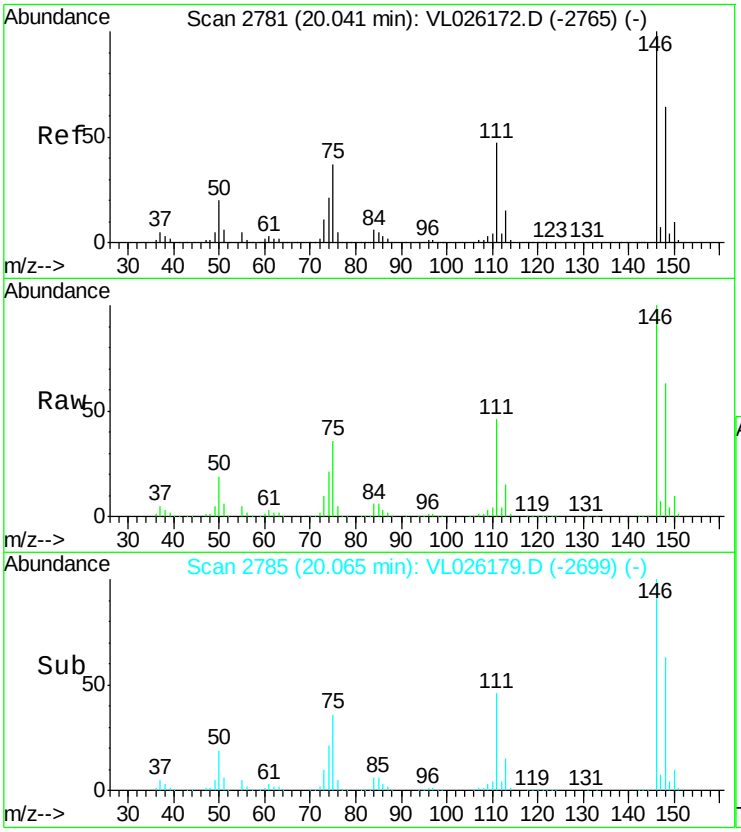


#76
1,4-Dichlorobenzene
Concen: 7.54 ppbv
RT: 19.31 min Scan# 2661
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:146 Resp: 2208927

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	63.8	31.6	94.8



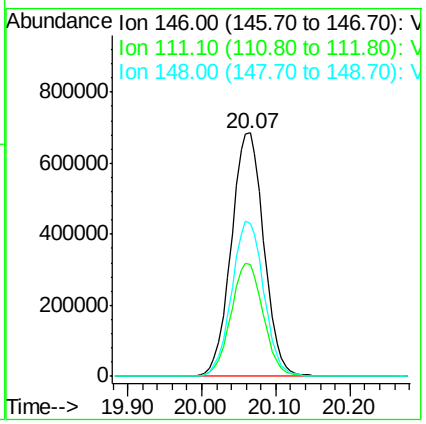


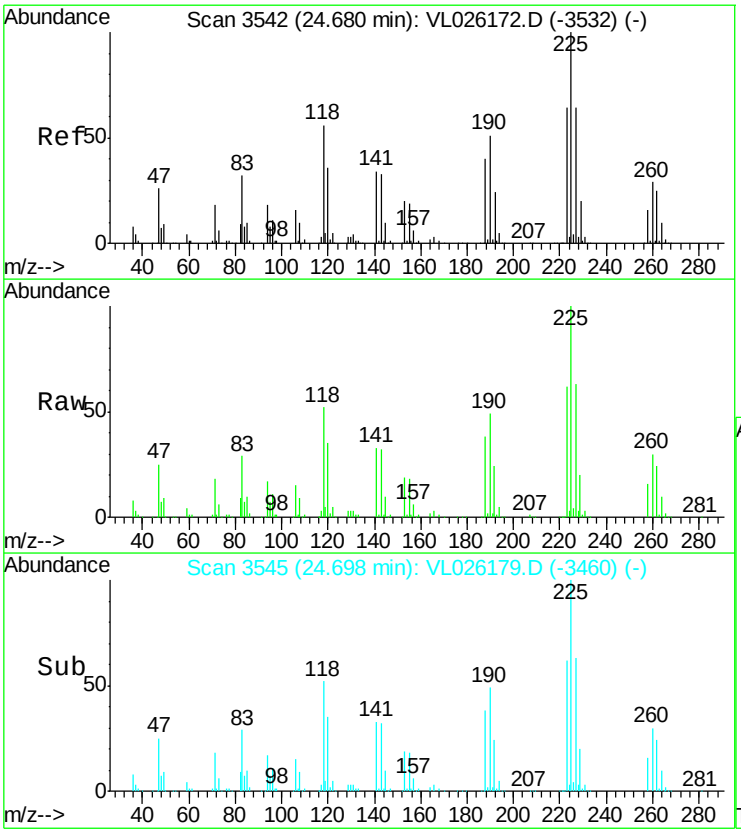
#77
1,2-Dichlorobenzene
Concen: 7.40 ppbv
RT: 20.07 min Scan# 2785
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2100749

Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.0	69.0
148	63.4	31.8	95.3

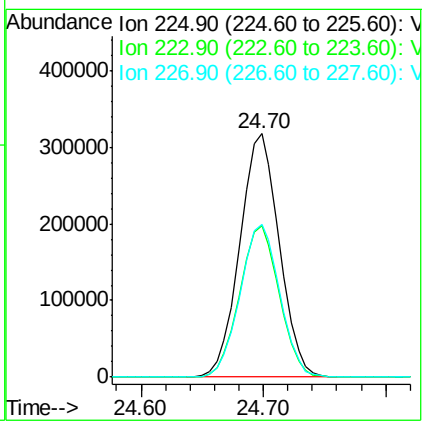


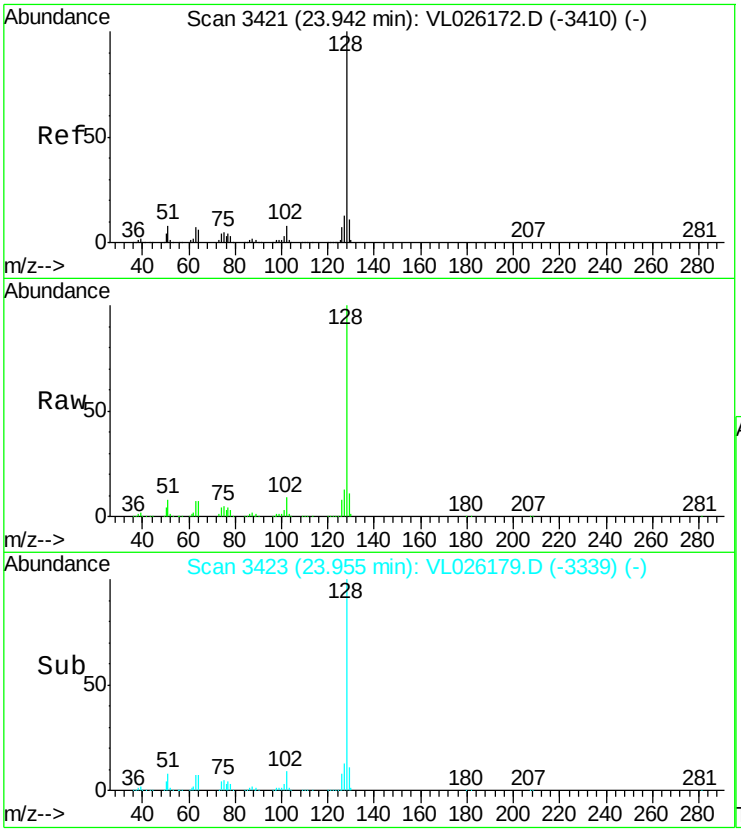


#78
Hexachloro-1,3-Butadiene
Concen: 6.25 ppbv
RT: 24.70 min Scan# 3545
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:225 Resp: 711942

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.1	76.7
227	63.3	50.8	76.2



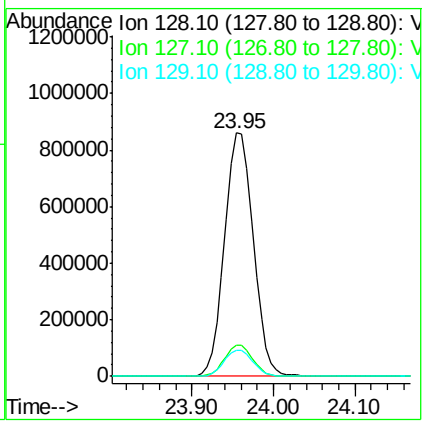


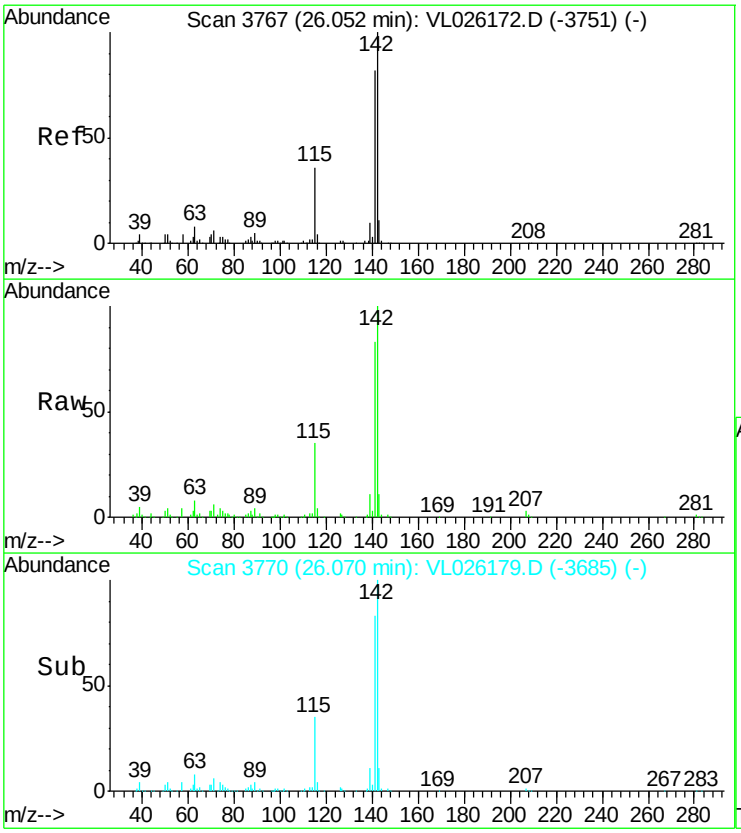
#79
Naphthalene
Concen: 7.37 ppbv
RT: 23.95 min Scan# 3423
Delta R.T. 0.01 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2101260

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.7	13.1

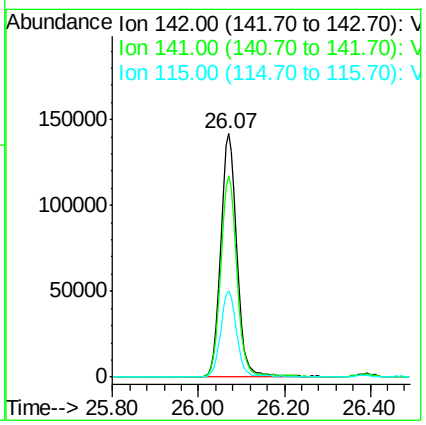


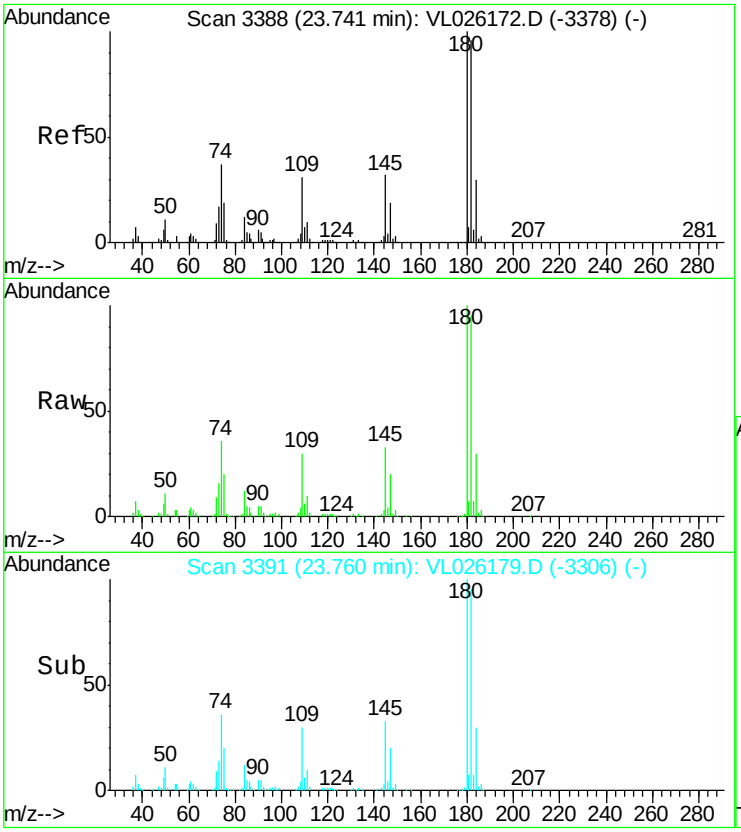


#80
Naphthalene,2-methyl-
Concen: 5.94 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Tgt Ion:142 Resp: 379984

Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.6	99.8
115	35.2	28.4	42.6





#81
1,2,4-Trichlorobenzene
Concen: 7.13 ppbv
RT: 23.76 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL026179.D
Acq: 9 Oct 2015 16:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1007176

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
184	30.1	24.0	36.0