Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026653.D
Acq On : 8 Jan 2016 19:20
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Jan 08 22:15:50 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	6.64	49	770895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2376958	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	4204983	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2594449	7.65	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 76.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.63	85	3197684	15.59	ppbv	99
3) Chlorodifluoromethane	3.56	51	1410008	14.47	ppbv	95
4) Chloromethane	3.74	50	655640	13.03	ppbv	95
5) Vinyl Chloride	3.87	62	785181	13.83	ppbv	100
6) Bromomethane	4.13	94	621411	14.62	ppbv	98
7) Chloroethane	4.23	64	346180	13.63	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	2331742	14.91	ppbv	100
9) Propene	3.58	41	470097	12.62	ppbv	100
10) Heptane	9.34	43	1900000	14.04	ppbv	95
11) Trichlorofluoromethane	4.68	101	3313304	16.24	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1961877	15.72	ppbv	98
13) Ethanol	4.31	45	89132	11.33	ppbv	96
14) Bromoethene	4.43	108	709168	15.05	ppbv	98
15) Acetone	4.59	43	1648945	14.63	ppbv	99
16) 1,3-Butadiene	3.95	39	704532	13.97	ppbv	97
17) tert-Butyl alcohol	5.11	59	1534628	14.66	ppbv	99
18) 1,1-Dichloroethene	5.07	96	816484	15.20	ppbv	100
19) Isopropyl Alcohol	4.73	45	757792	12.30	ppbv	100
20) Methylene Chloride	5.14	84	748554	15.31	ppbv	98
21) Allyl Chloride	5.21	41	1129640	14.52	ppbv	92
22) trans-1,2-Dichloroethene	5.75	96	900301	14.57	ppbv	97
23) Vinyl Acetate	5.97	43	2935237	14.42	ppbv	99
24) 1,1-Dichloroethane	5.90	63	1967278	14.40	ppbv	99
25) Ethyl Acetate	6.65	43	2833011	14.35	ppbv	100
26) Hexane	6.64	57	1439188	14.58	ppbv	98
27) Carbon Disulfide	5.37	76	2356452	15.03	ppbv	97
28) Methyl tert-Butyl Ether	5.93	73	3024198	14.87	ppbv	98
29) Chloroform	6.73	83	2801216	15.94	ppbv	99
30) Cyclohexane	8.26	84	1478167	14.67	ppbv	96
31) cis-1,2-Dichloroethene	6.50	61	1547088	14.75	ppbv	99
32) 1,1,1-Trichloroethane	7.58	97	3085439	16.26	ppbv	99
34) 2-Butanone	6.18	43	1675597	13.45	ppbv	97
35) Carbon Tetrachloride	8.15	117	3104046	15.85	ppbv	99
36) Benzene	8.01	78	3333585	13.89	ppbv	98
37) 1,2-Dichloroethane	7.36	62	2535985	15.50	ppbv	98
38) Trichloroethene	9.05	130	1294598	13.88	ppbv	98
39) 1,2-Dichloropropane	8.81	63	1129560	13.61	ppbv	92
40) 1,4-Dioxane	9.09	88	325829	12.38	ppbv	81
41) Tetrahydrofuran	7.10	42	876732	13.27	ppbv	97
42) Bromodichloromethane	9.01	83	3225290	15.14	ppbv	99
43) Methyl Methacrylate	9.25	69	1355857	14.33	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026653.D
Acq On : 8 Jan 2016 19:20
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Jan 08 22:15:50 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	5084270	13.51	ppbv		97
45) t-1,3-Dichloropropene	10.63	75	2467046	15.15	ppbv		98
46) cis-1,3-Dichloropropene	10.00	75	2606845	14.78	ppbv		97
47) 1,1,2-Trichloroethane	10.86	97	1683095	14.57	ppbv		99
48) Dibromochloromethane	11.79	129	2838141	15.50	ppbv		100
49) Bromoform	14.80	173	2376145	15.52	ppbv		99
50) 4-Methyl-2-Pentanone	10.07	43	2552848	13.86	ppbv		99
51) 2-Hexanone	11.59	43	2562444	14.25	ppbv	#	100
52) Tetrachloroethene	12.77	164	1548268	14.74	ppbv		98
53) Toluene	11.21	91	4982460	14.55	ppbv		100
54) 1,2-Dibromoethane	12.12	107	2746509	15.08	ppbv		99
56) 1,1,1,2-Tetrachloroethane	13.77	131	2032684	10.95	ppbv		88
57) Chlorobenzene	13.79	112	4097638	10.44	ppbv		99
58) Ethyl Benzene	14.39	91	7962982	10.61	ppbv		100
59) m/p-Xylene	14.69	91	12251889	21.05	ppbv		100
60) o-Xylene	15.47	91	6341133	10.52	ppbv		99
61) Styrene	15.29	104	3152580	10.99	ppbv		99
62) Isopropylbenzene	16.52	105	9001606	10.72	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.47	83	3995672	10.35	ppbv		99
64) n-propylbenzene	17.50	120	2422331	10.89	ppbv		93
65) tert-Butylbenzene	18.79	119	7455878	10.67	ppbv		98
66) Benzyl Chloride	19.08	91	3652608	11.26	ppbv		99
67) sec-Butylbenzene	19.39	105	11640745	10.71	ppbv		99
69) p-Isopropyltoluene	19.77	119	9349839	10.93	ppbv		99
70) n-Butylbenzene	20.74	91	9880127	10.96	ppbv		99
71) 2-Chlorotoluene	17.41	91	7419733	10.86	ppbv		99
72) 4-Ethyltoluene	17.80	105	8018511	10.93	ppbv		99
73) 1,3,5-Trimethylbenzene	17.97	105	7425592	11.01	ppbv		100
74) 1,2,4-Trimethylbenzene	18.82	105	6966468	10.60	ppbv		97
75) 1,3-Dichlorobenzene	19.10	146	4446774	10.86	ppbv		99
76) 1,4-Dichlorobenzene	19.25	146	4764037	11.06	ppbv		100
77) 1,2-Dichlorobenzene	20.00	146	4792476	11.21	ppbv		99
78) Hexachloro-1,3-Butadiene	24.65	225	1798500	10.55	ppbv		99
79) Naphthalene	23.91	128	5852747	11.38	ppbv		99
80) Naphthalene,2-methyl-	26.02	142	828078	6.31	ppbv	#	94
81) 1,2,4-Trichlorobenzene	23.71	180	2510688	11.31	ppbv		99

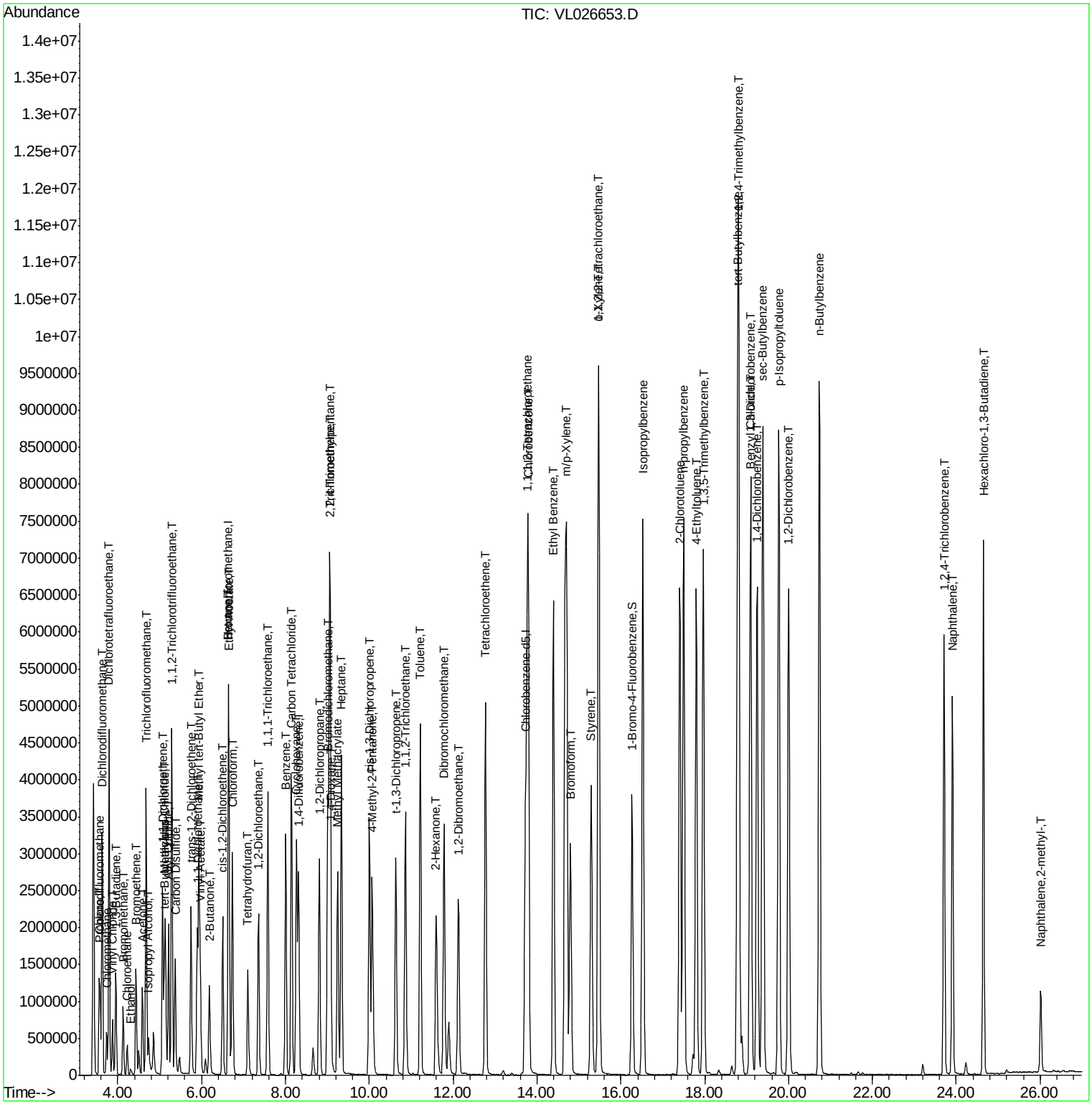
(#) = qualifier out of range (m) = manual integration (+) = signals summed

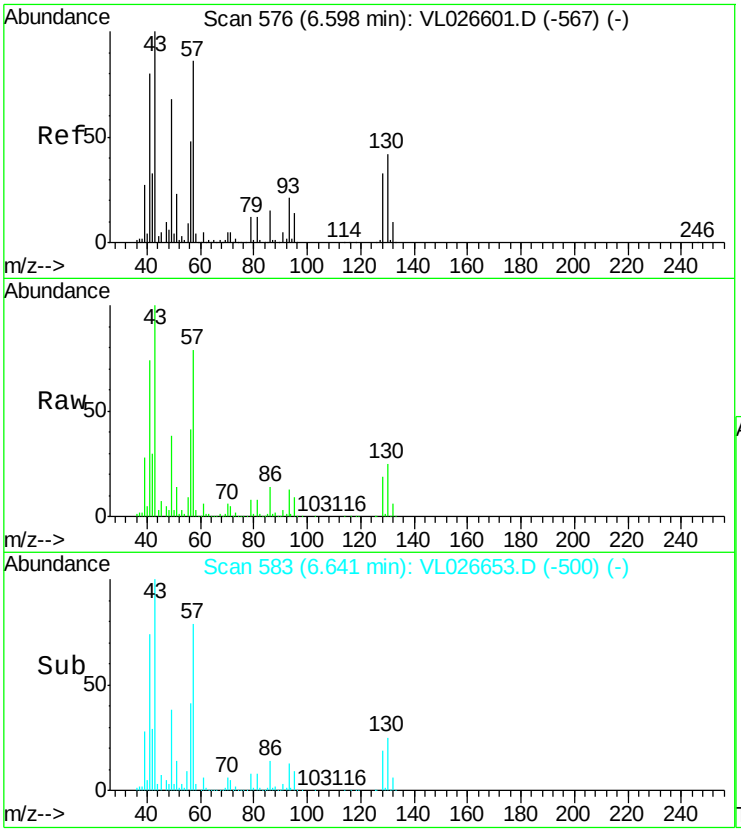
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026653.D
Acq On : 8 Jan 2016 19:20
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Jan 08 22:15:50 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



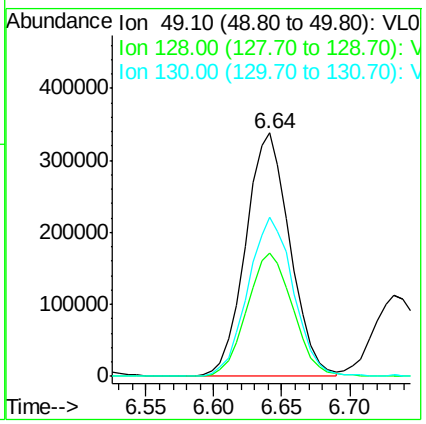


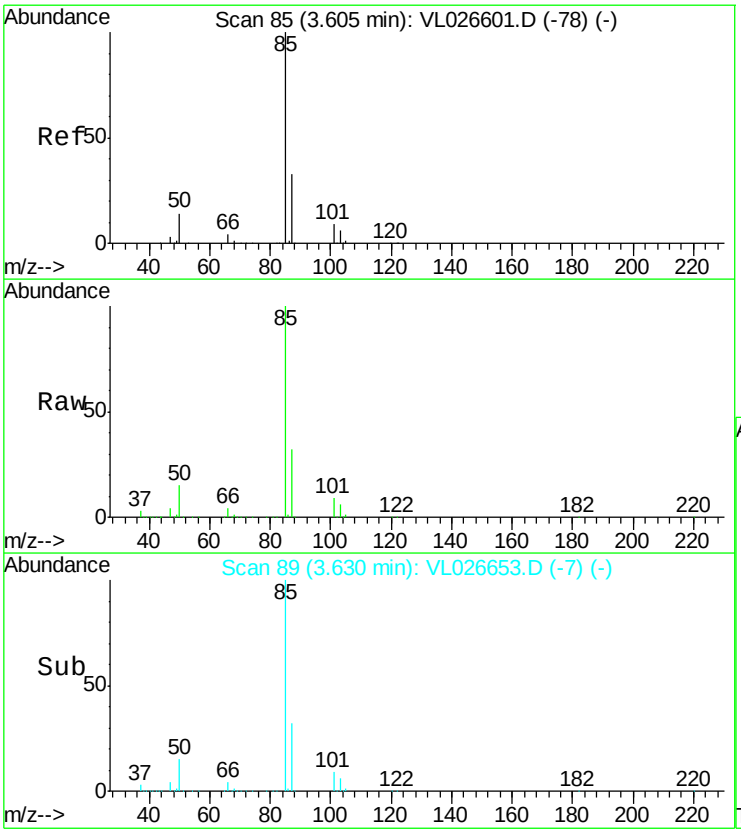
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 770895

Ion	Ratio	Lower	Upper
49	100		
128	52.7	25.9	77.7
130	67.8	33.6	100.8

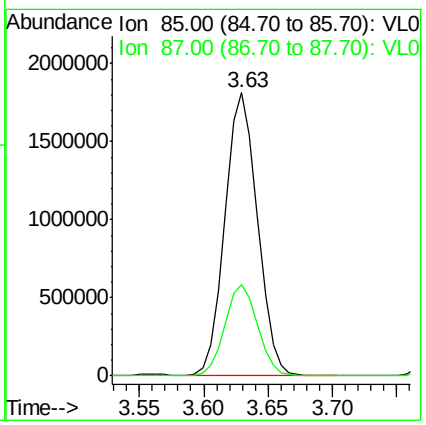


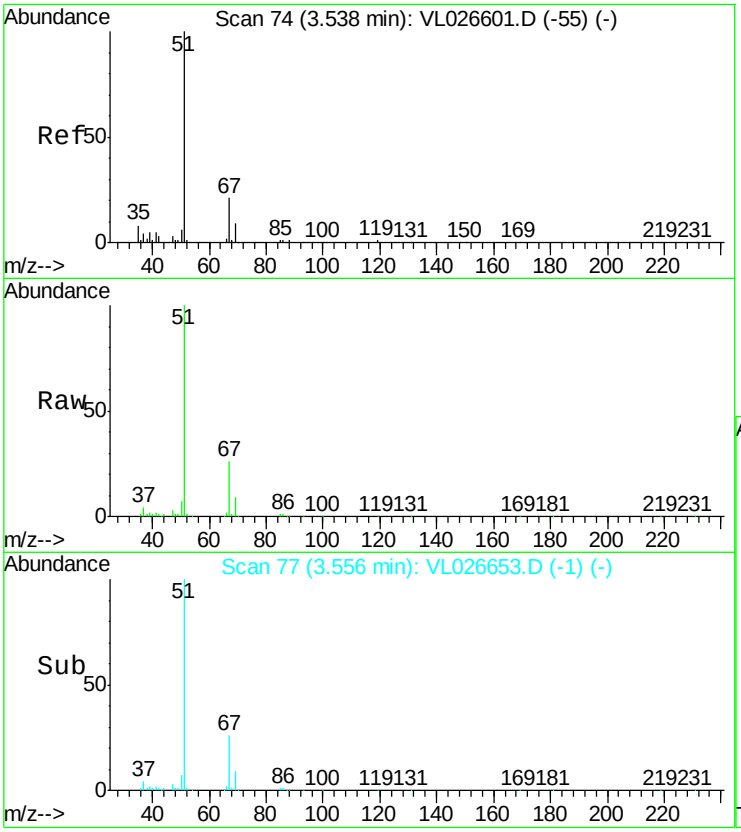


#2
Dichlorodifluoromethane
Concen: 15.59 ppbv
RT: 3.63 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 85 Resp: 3197684

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.4	39.6

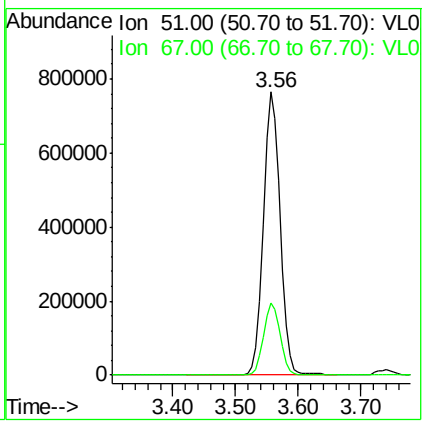




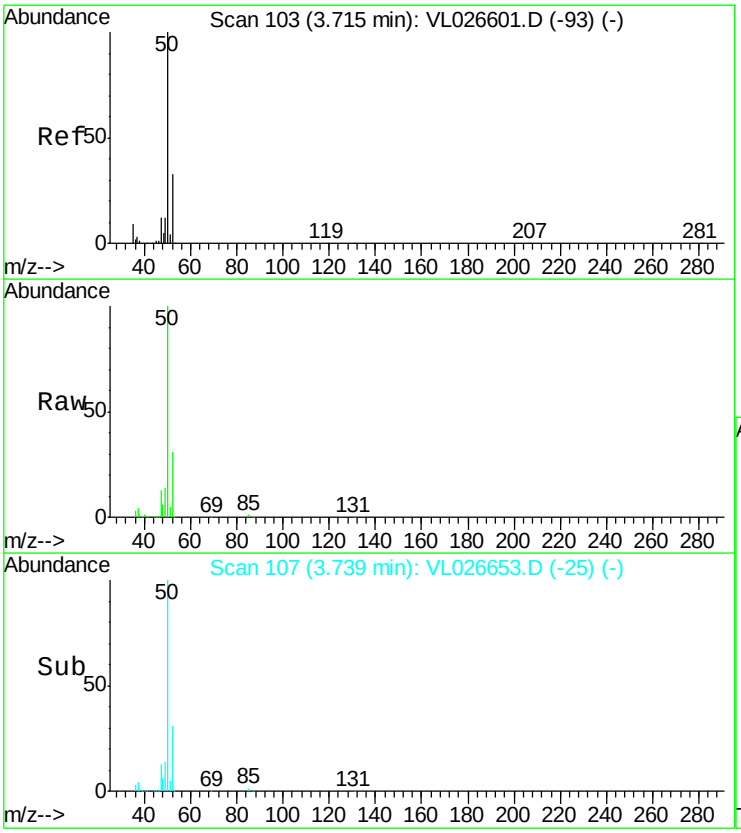
#3
Chlorodifluoromethane
Concen: 14.47 ppbv
RT: 3.56 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 51 Resp: 1410008

Ion	Ratio	Lower	Upper
51	100		
67	25.6	18.6	28.0



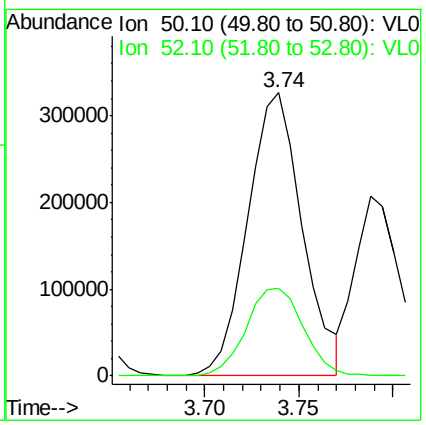
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

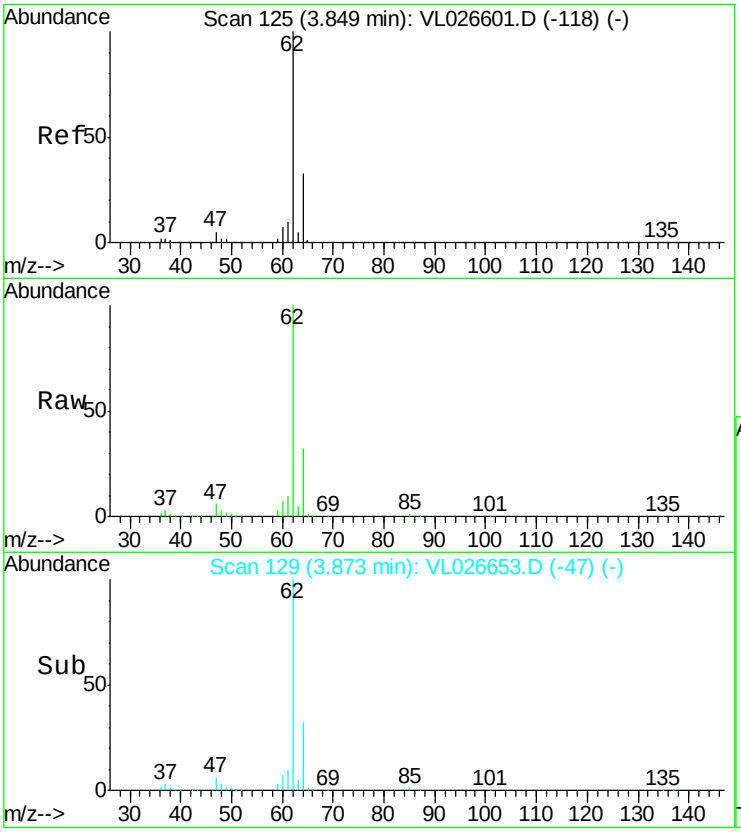


#4
Chloromethane
Concen: 13.03 ppbv
RT: 3.74 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 50 Resp: 655640

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.7	40.1



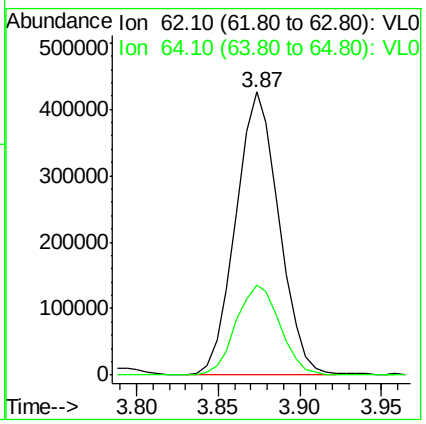


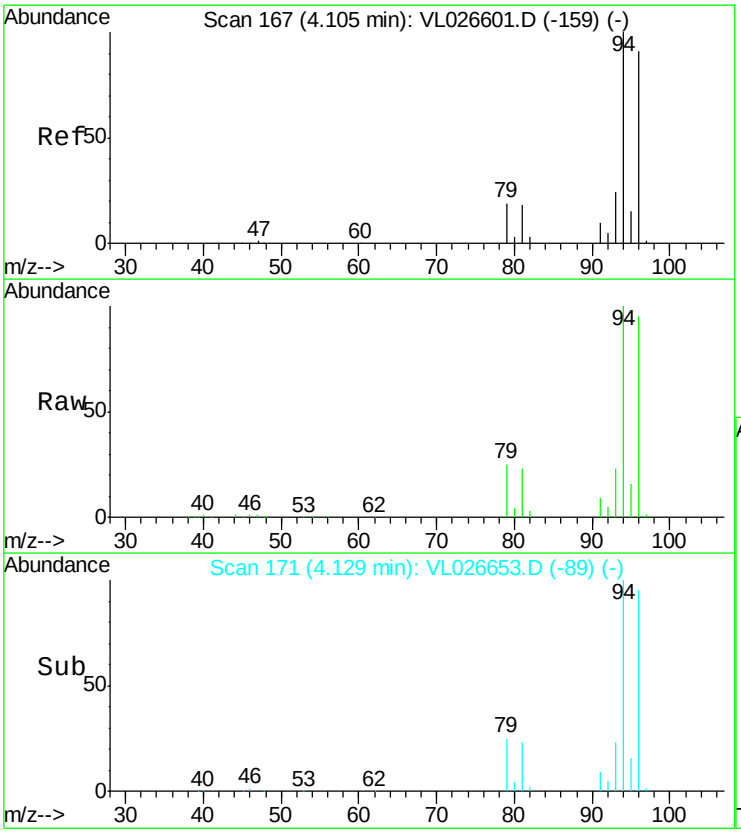
#5
Vinyl Chloride
Concen: 13.83 ppbv
RT: 3.87 min Scan# 129
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 785181

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.6	38.4

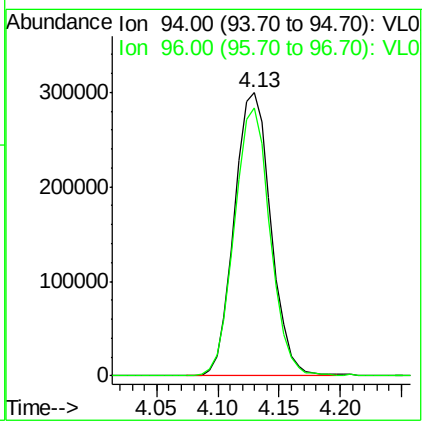


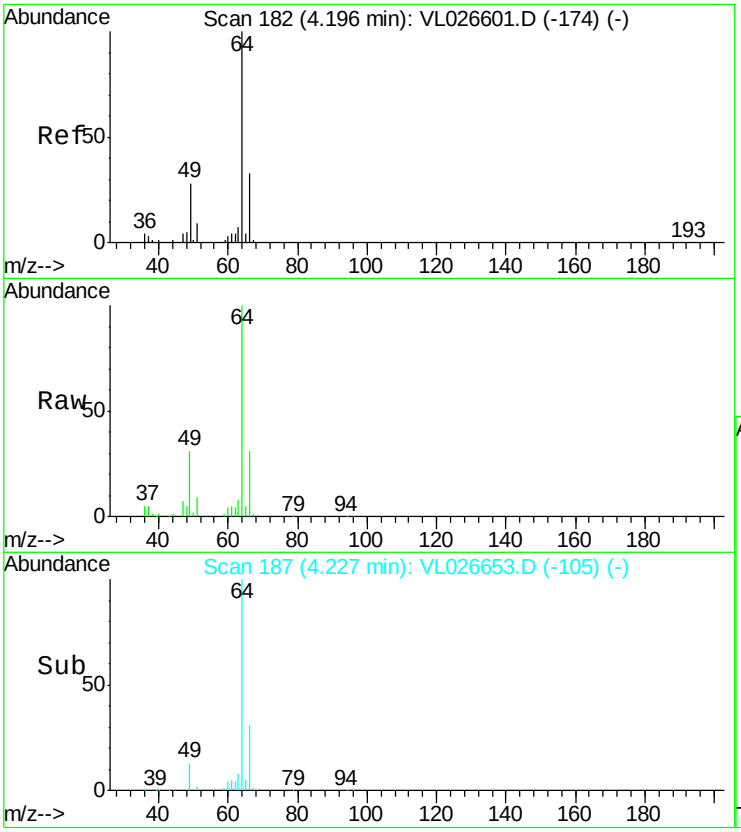


#6
Bromomethane
Concen: 14.62 ppbv
RT: 4.13 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 94 Resp: 621411

Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.6	112.0



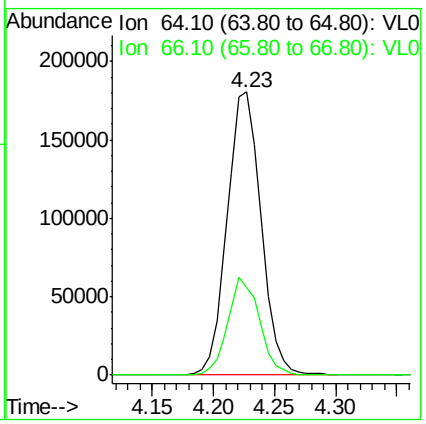


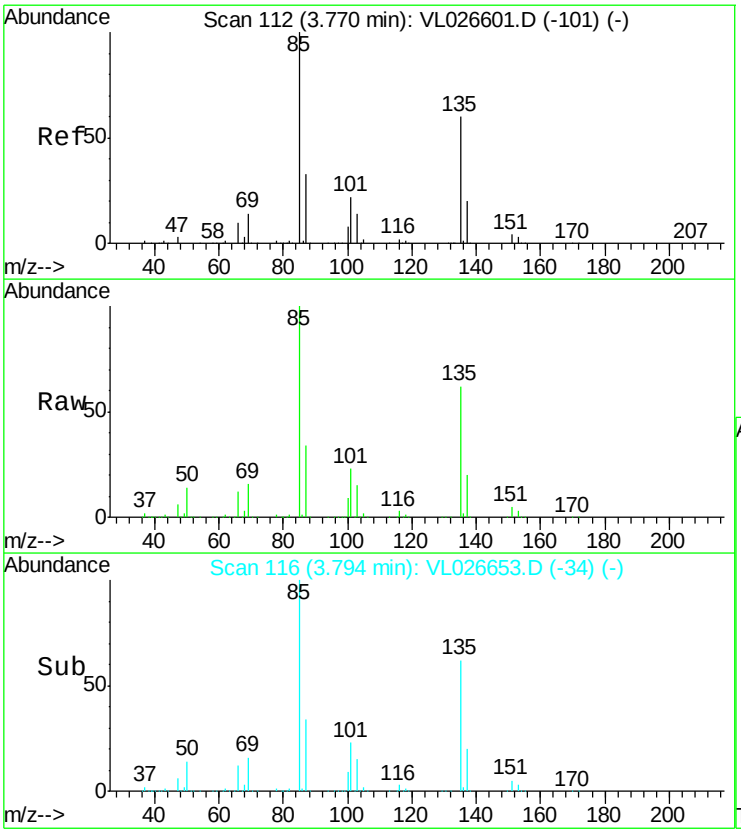
#7
Chloroethane
Concen: 13.63 ppbv
RT: 4.23 min Scan# 187
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 64 Resp: 346180

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.3	36.5

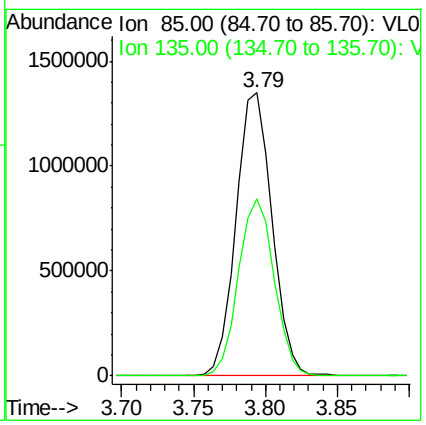


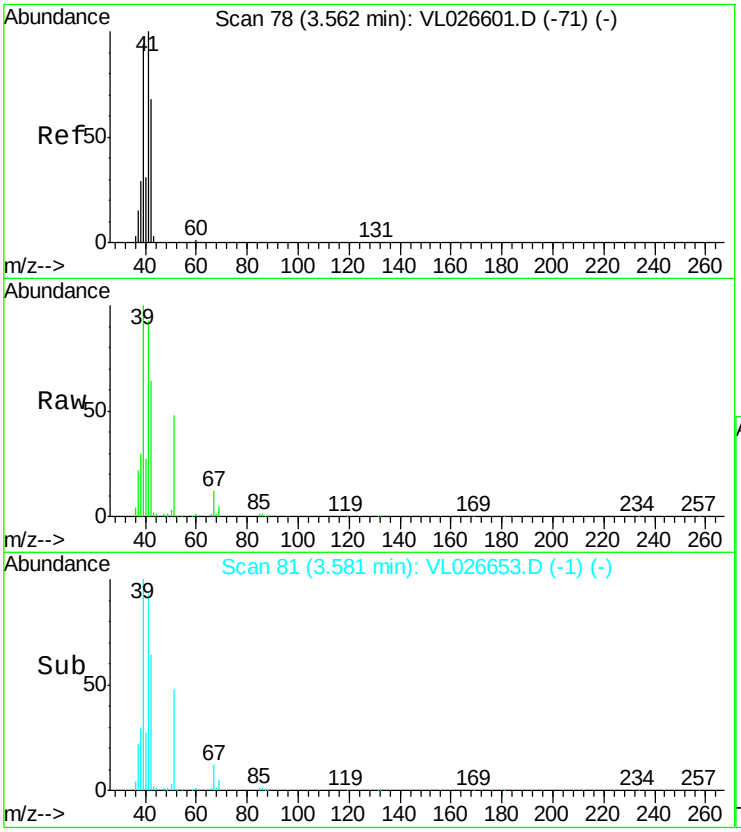


#8
Dichlorotetrafluoroethane
Concen: 14.91 ppbv
RT: 3.79 min Scan# 116
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 85 Resp: 2331742

Ion	Ratio	Lower	Upper
85	100		
135	62.5	49.8	74.6

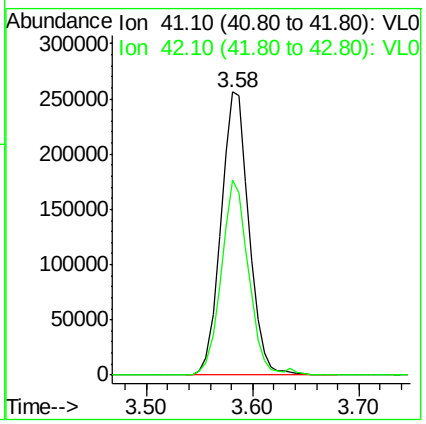




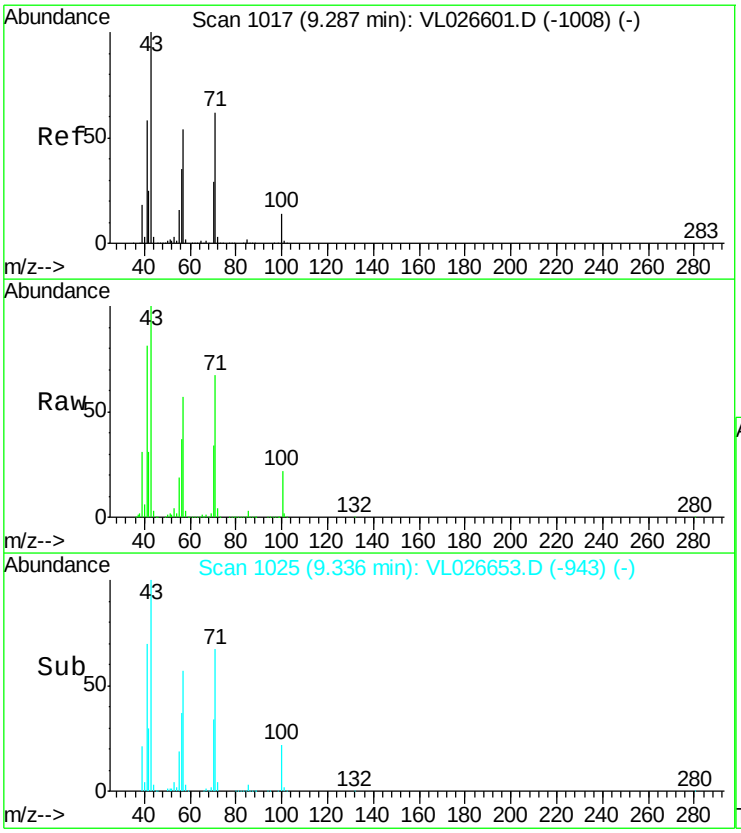
#9
Propene
Concen: 12.62 ppbv
RT: 3.58 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 41 Resp: 470097

Ion	Ratio	Lower	Upper
41	100		
42	67.3	53.6	80.4



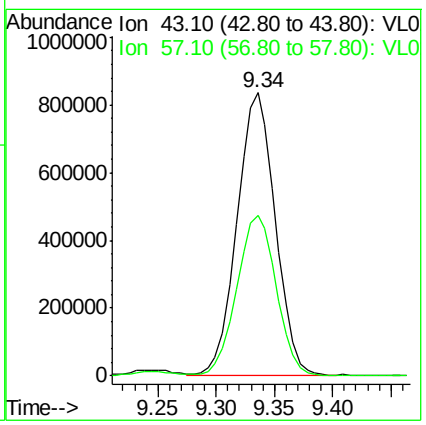
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

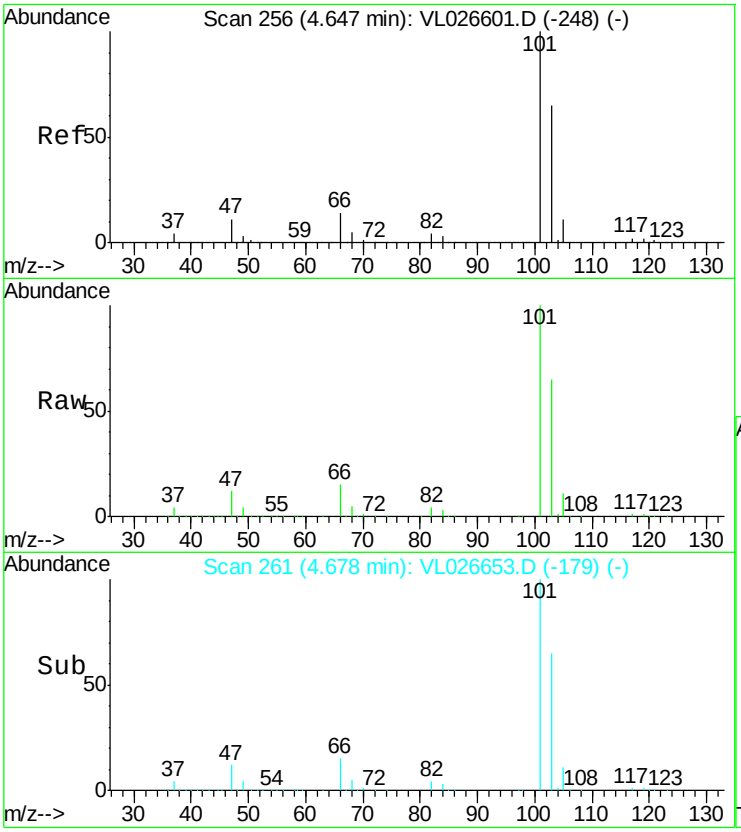


#10
Heptane
Concen: 14.04 ppbv
RT: 9.34 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 43 Resp: 1900000

Ion	Ratio	Lower	Upper
43	100		
57	60.6	45.8	68.6



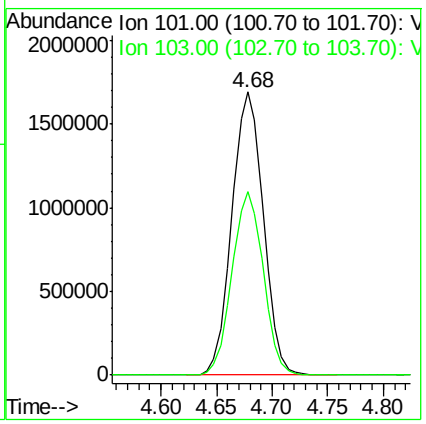


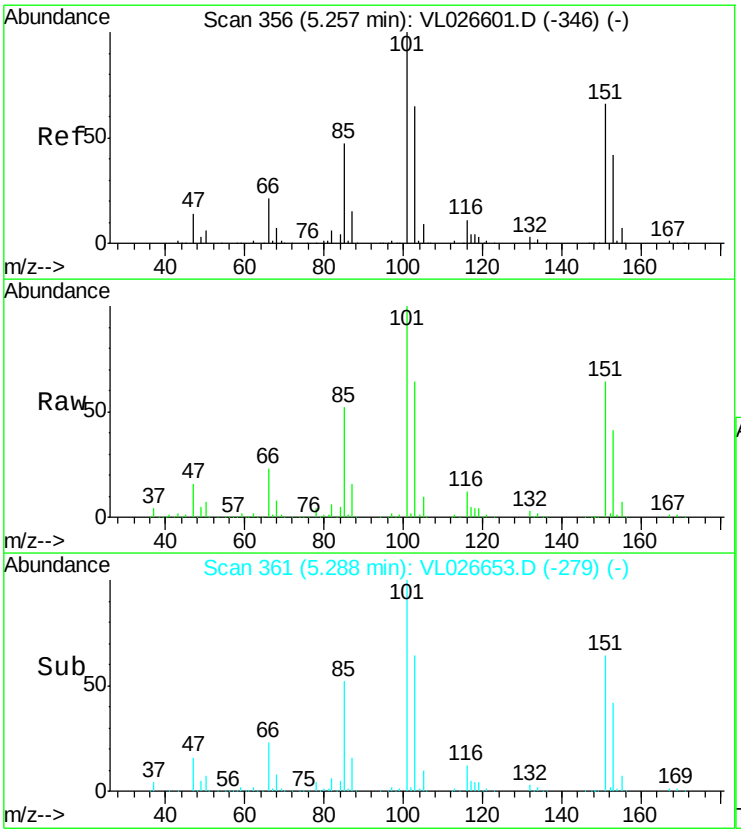
#11
Trichlorofluoromethane
Concen: 16.24 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 3313304

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.7	77.5

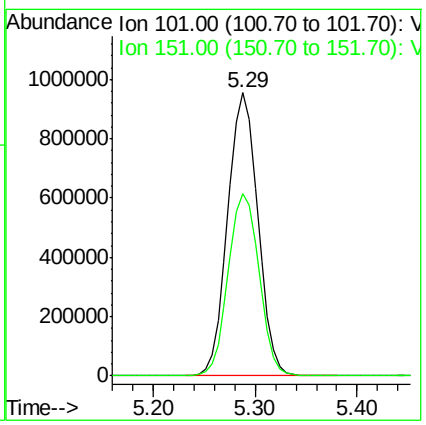


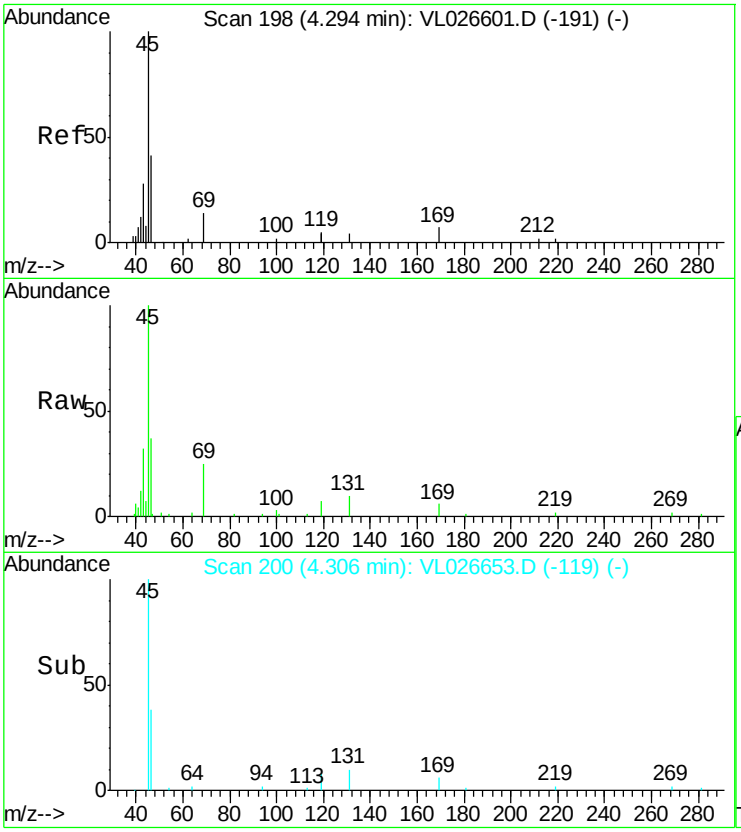


#12
1,1,2-Trichlorotrifluoroethane
Concen: 15.72 ppbv
RT: 5.29 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:101 Resp: 1961877

Ion	Ratio	Lower	Upper
101	100		
151	66.1	54.2	81.4



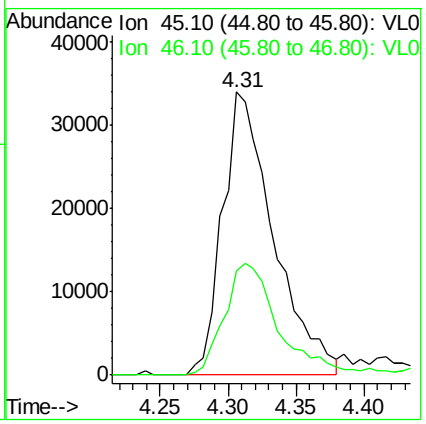


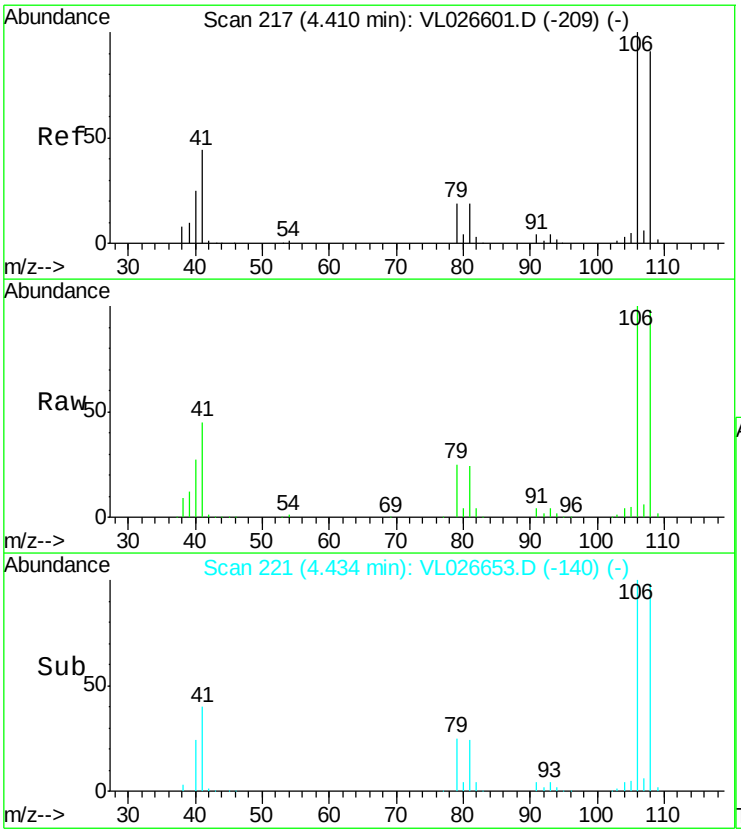
#13
Ethanol
Concen: 11.33 ppbv
RT: 4.31 min Scan# 200
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 89132

Ion	Ratio	Lower	Upper
45	100		
46	44.3	16.7	66.7

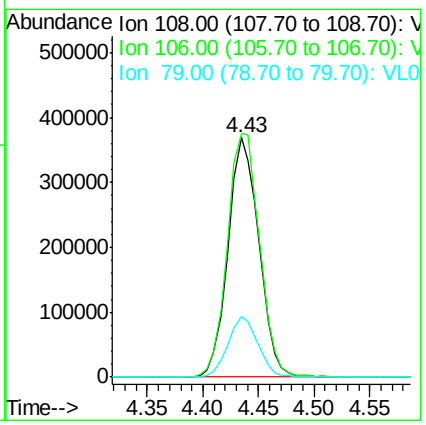


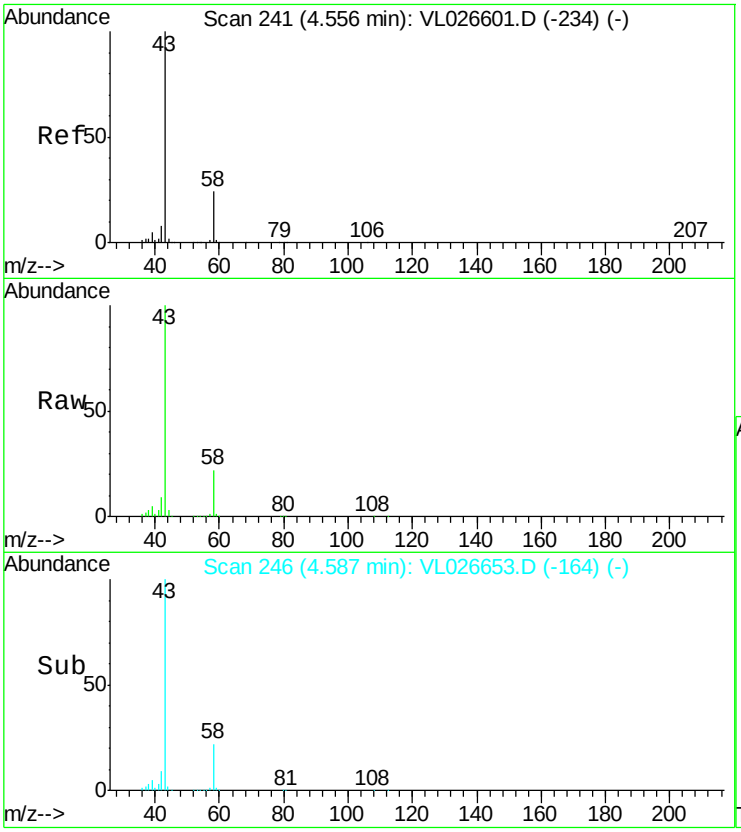


#14
Bromoethene
Concen: 15.05 ppbv
RT: 4.43 min Scan# 221
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:108 Resp: 709168

Ion	Ratio	Lower	Upper
108	100		
106	106.4	86.3	129.5
79	24.9	17.3	25.9



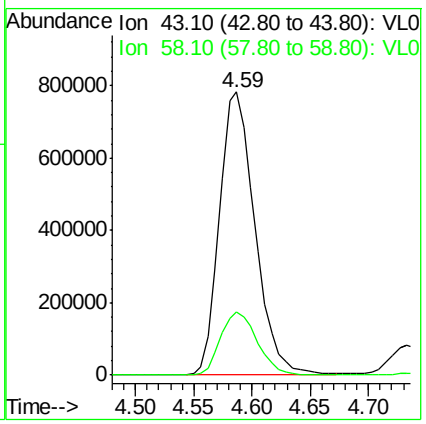


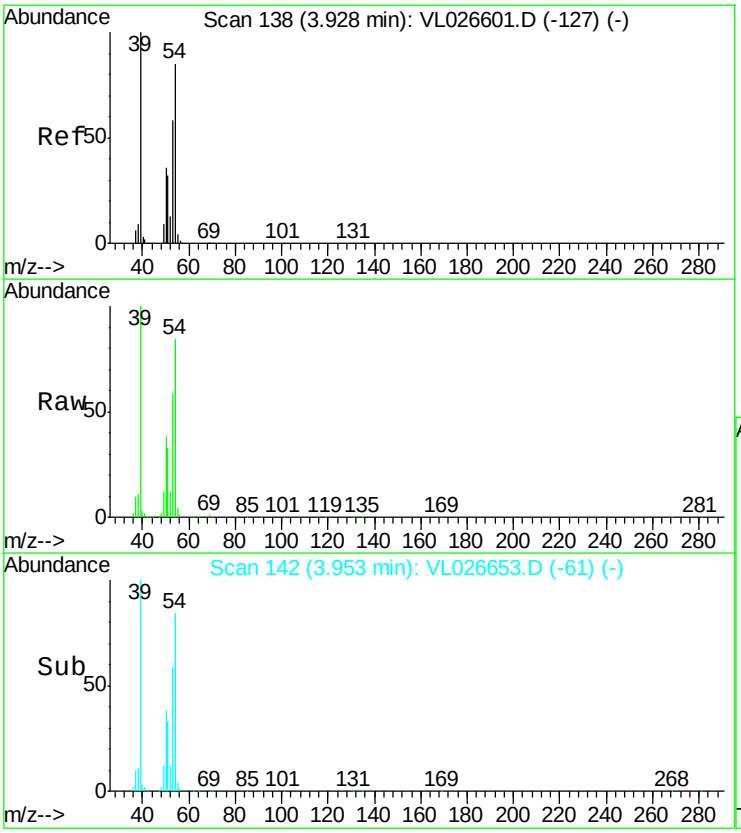
#15
Acetone
Concen: 14.63 ppbv
RT: 4.59 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 1648945

Ion	Ratio	Lower	Upper
43	100		
58	23.5	19.2	28.8

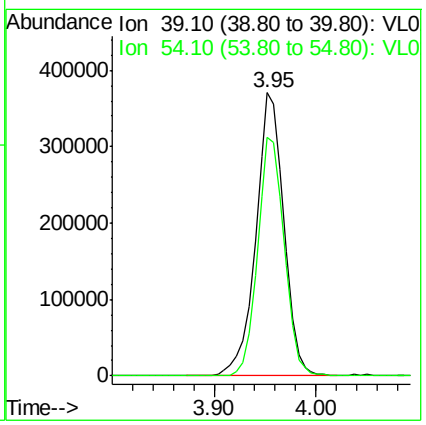


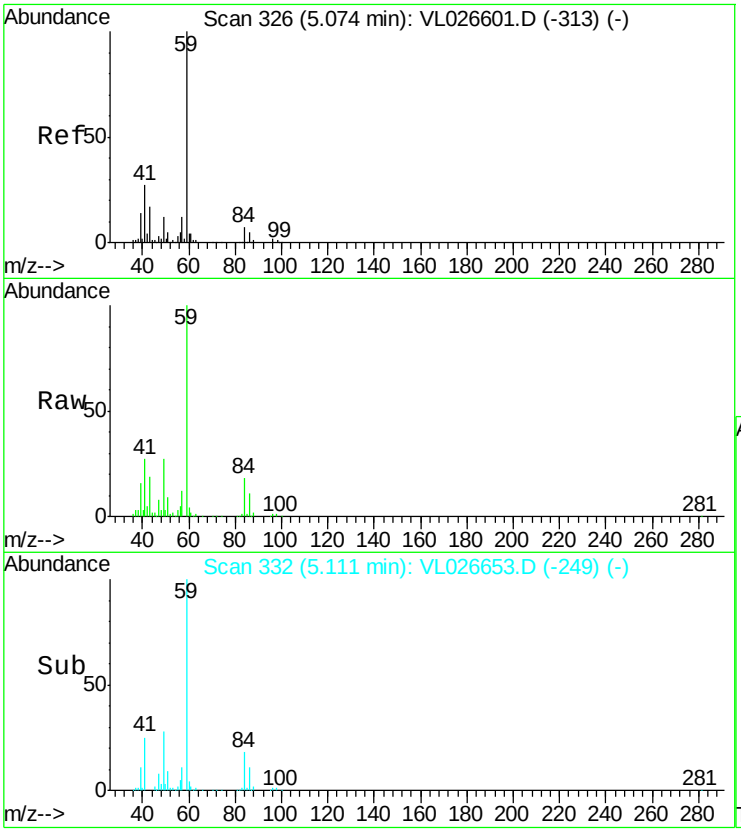


#16
1,3-Butadiene
Concen: 13.97 ppbv
RT: 3.95 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 39 Resp: 704532

Ion	Ratio	Lower	Upper
39	100		
54	80.7	66.4	99.6



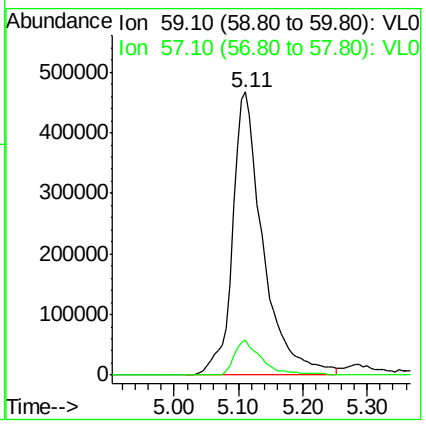


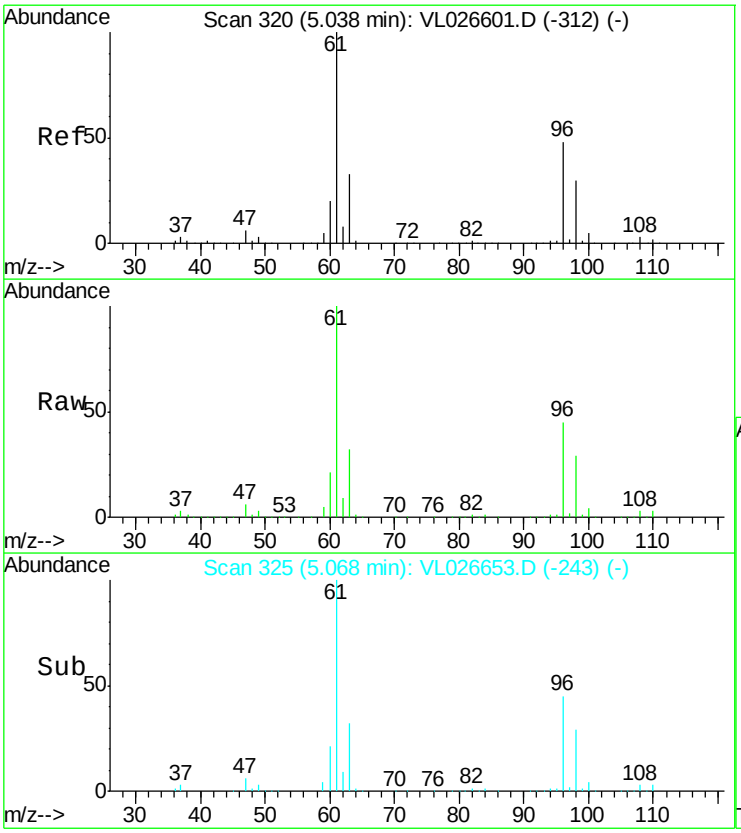
#17
tert-Butyl alcohol
Concen: 14.66 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 59 Resp: 1534628

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.9	13.3

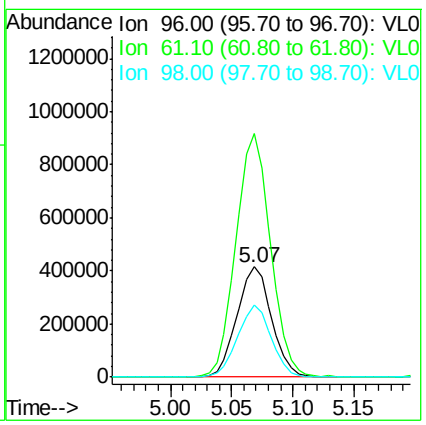


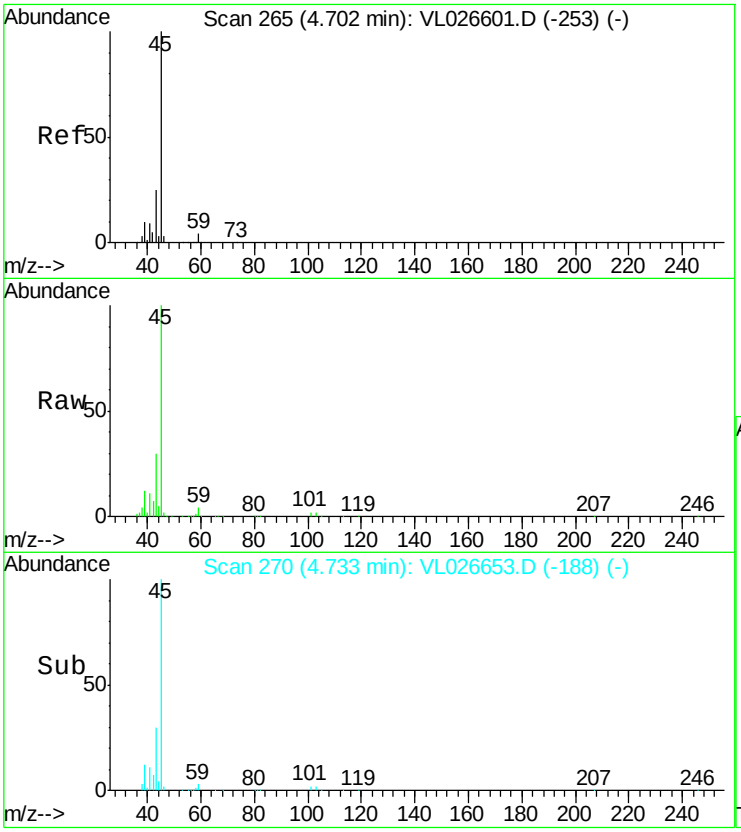


#18
1,1-Dichloroethene
Concen: 15.20 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 96 Resp: 816484

Ion	Ratio	Lower	Upper
96	100		
61	221.4	176.7	265.1
98	65.0	51.8	77.6



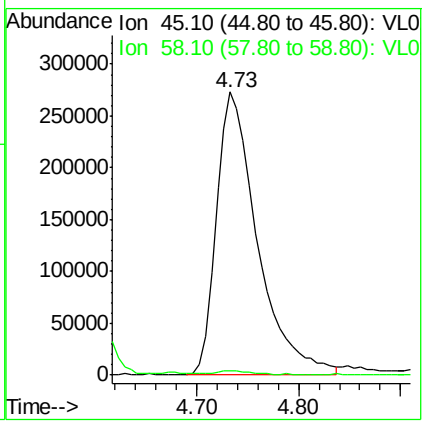


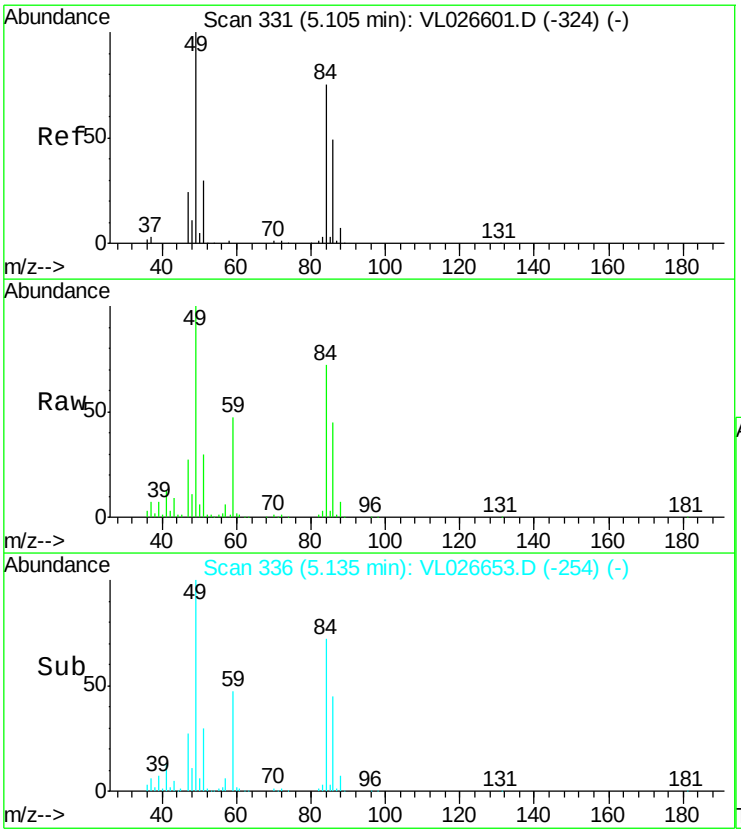
#19
Isopropyl Alcohol
Concen: 12.30 ppbv
RT: 4.73 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 757792

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.2	1.8

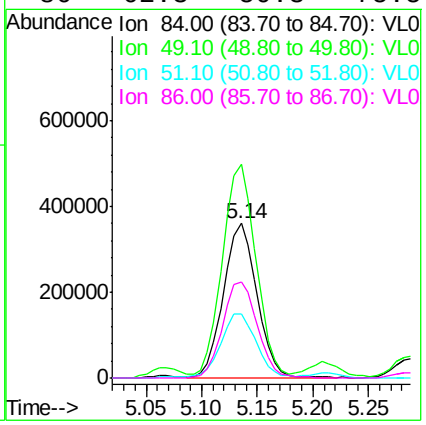


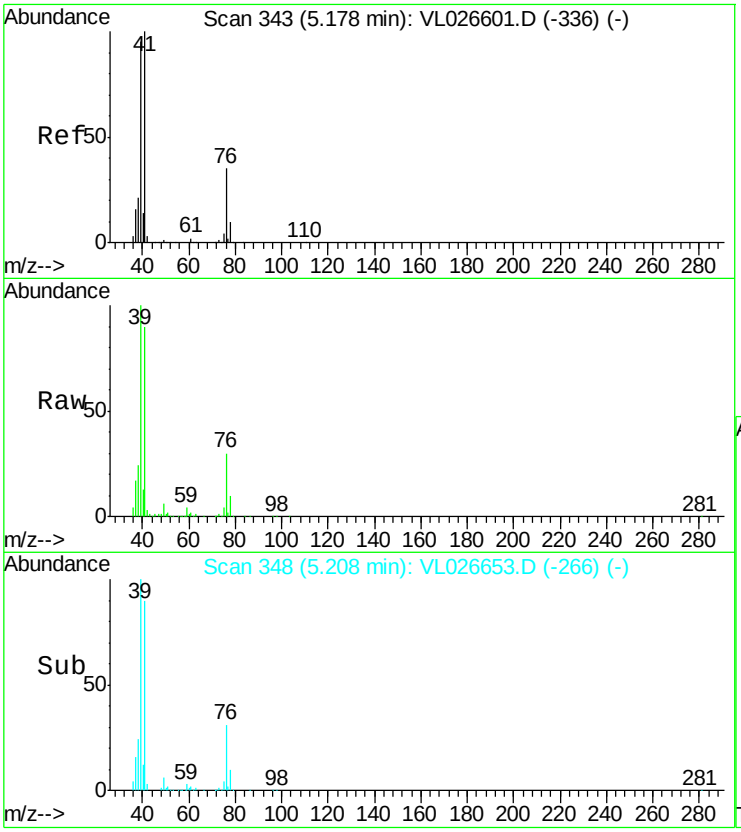


#20
Methylene Chloride
Concen: 15.31 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 84 Resp: 748554

Ion	Ratio	Lower	Upper
84	100		
49	136.1	112.3	168.5
51	40.7	32.5	48.7
86	62.3	50.3	75.5



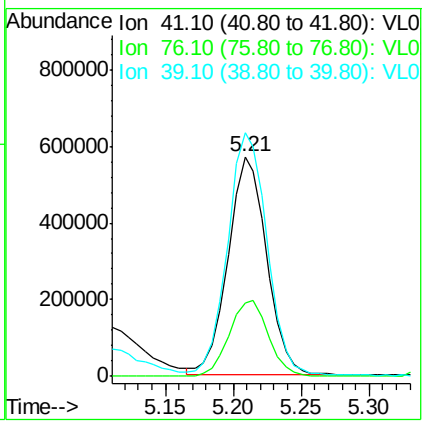


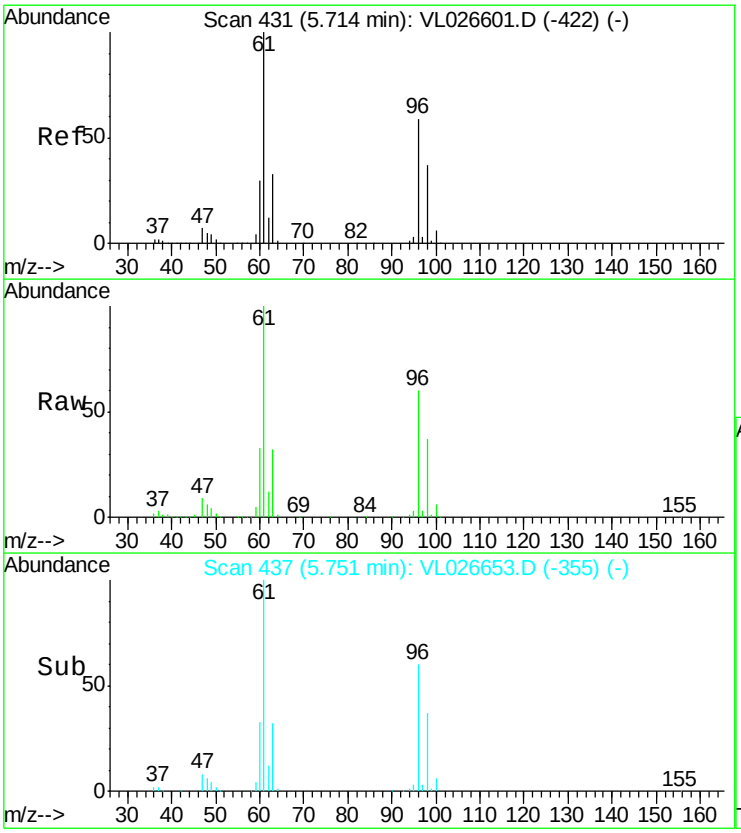
#21
Allyl Chloride
Concen: 14.52 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 1129640

Ion	Ratio	Lower	Upper
41	100		
76	35.6	27.5	41.3
39	114.5	83.2	124.8

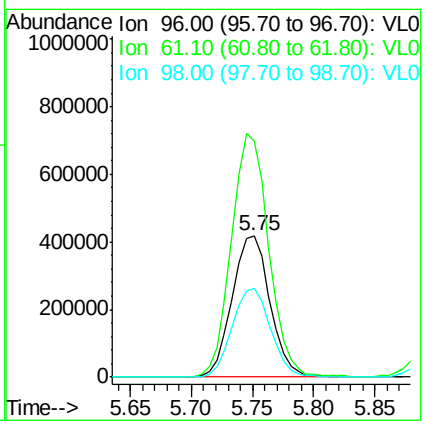


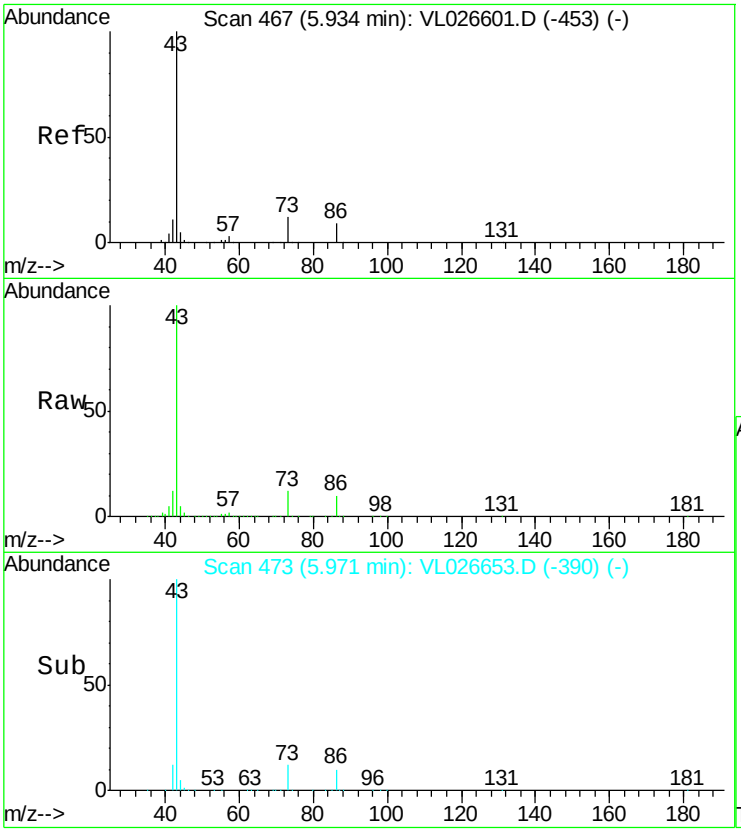


#22
trans-1,2-Dichloroethene
Concen: 14.57 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 96 Resp: 900301

Ion	Ratio	Lower	Upper
96	100		
61	167.2	131.0	196.6
98	62.4	48.1	72.1



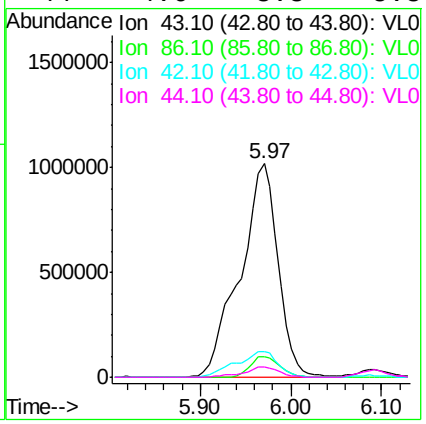


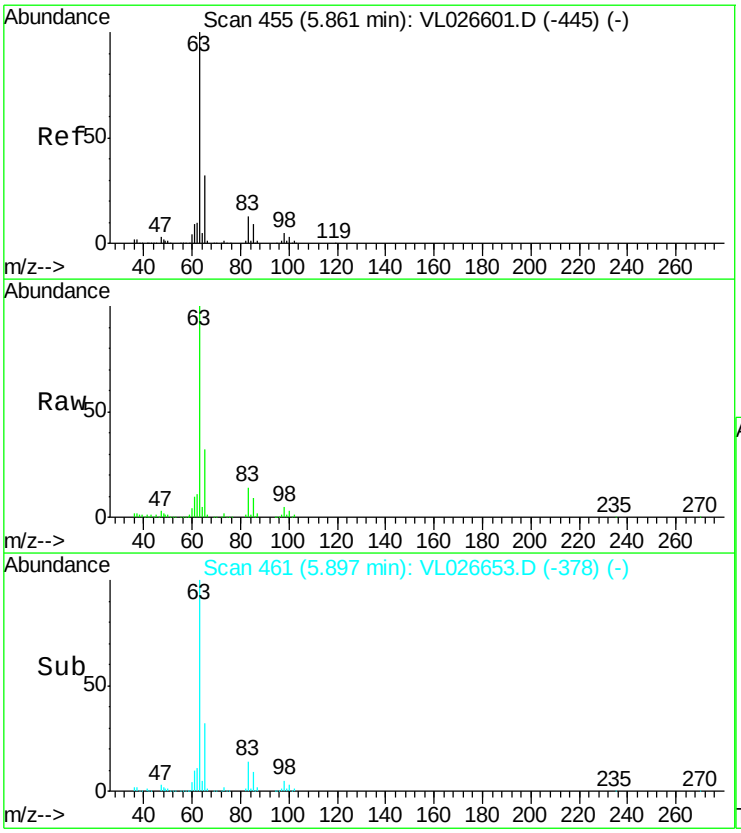
#23
Vinyl Acetate
Concen: 14.42 ppbv
RT: 5.97 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2935237

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.4	11.0
42	12.0	9.2	13.8
44	4.6	3.8	5.8

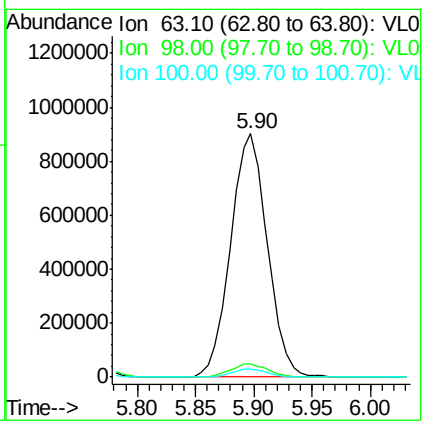


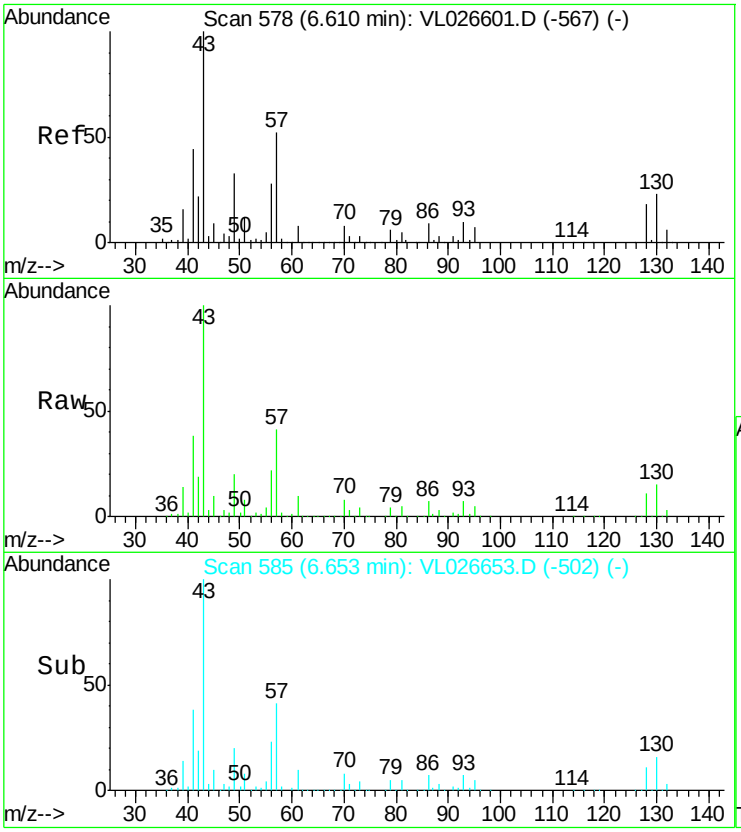


#24
1,1-Dichloroethane
Concen: 14.40 ppbv
RT: 5.90 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 63 Resp: 1967278

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.9	8.7
100	3.2	1.6	4.8



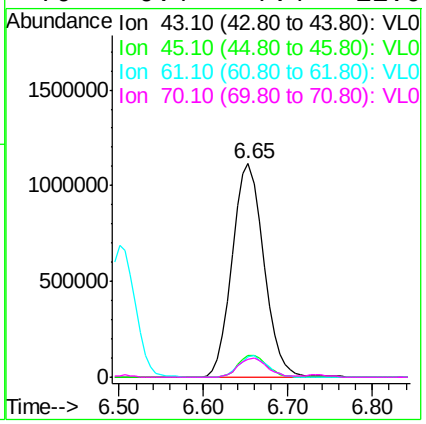


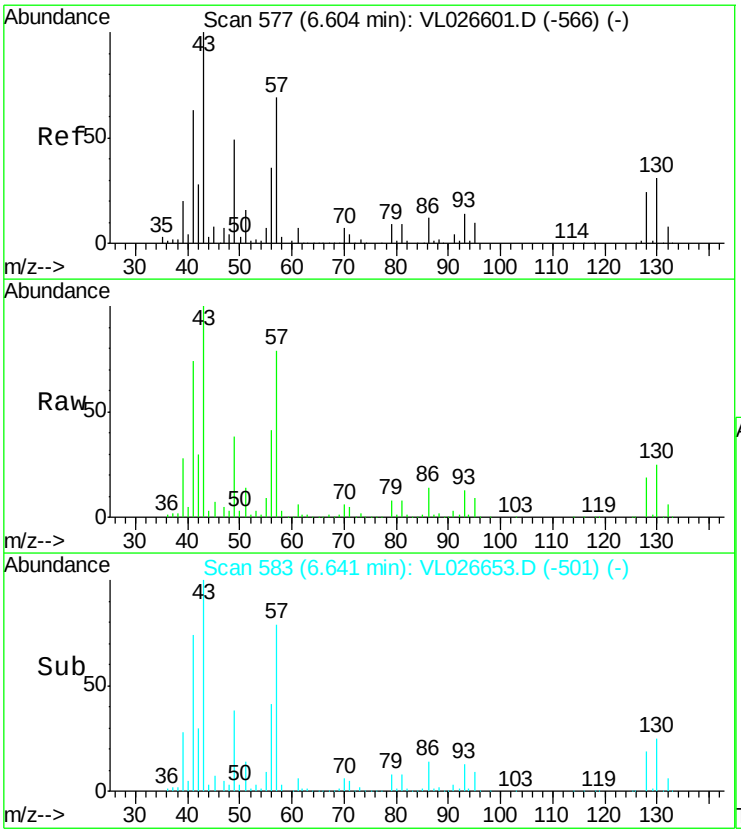
#25
Ethyl Acetate
Concen: 14.35 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2833011

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.5	11.3
61	9.1	7.3	10.9
70	9.4	7.4	11.0

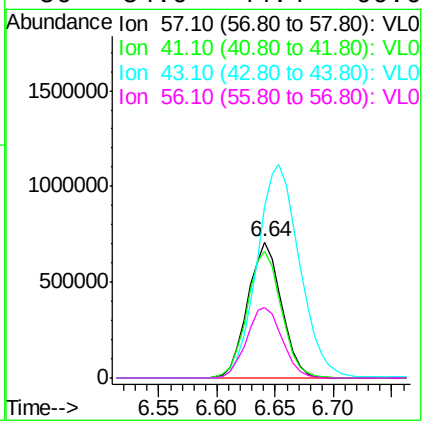


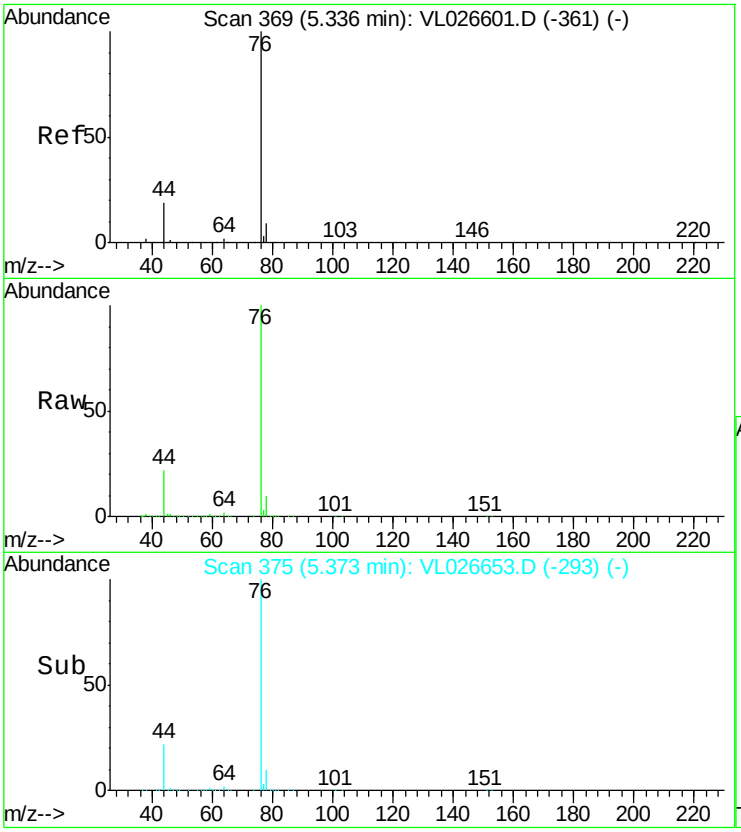


#26
Hexane
Concen: 14.58 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 57 Resp: 1439188

Ion	Ratio	Lower	Upper
57	100		
41	95.6	74.8	112.2
43	197.4	161.5	242.3
56	54.9	44.4	66.6



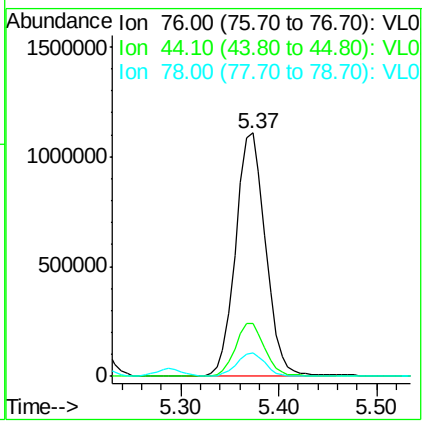


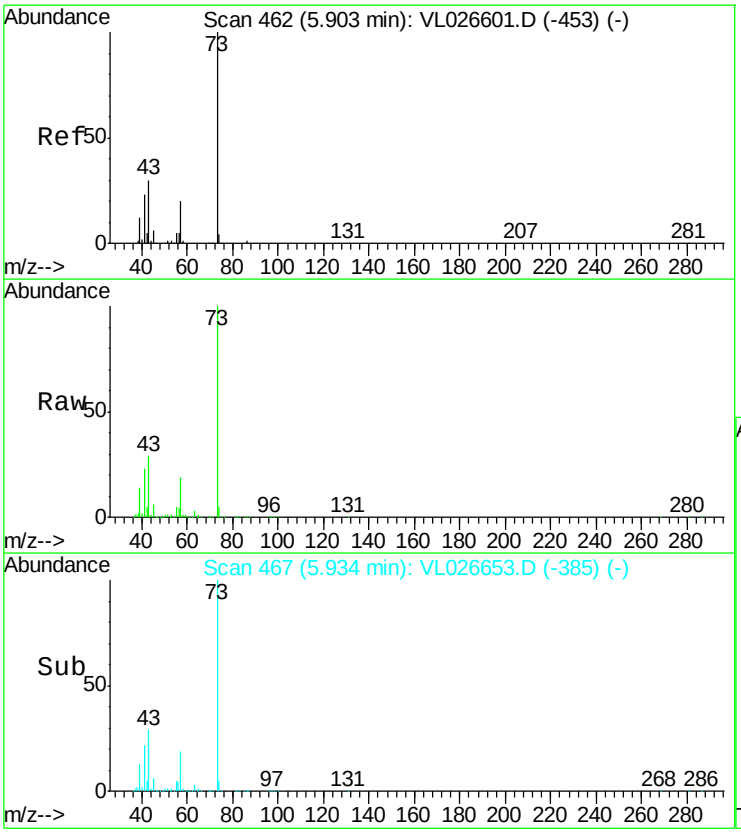
#27
Carbon Disulfide
Concen: 15.03 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 2356452

Ion	Ratio	Lower	Upper
76	100		
44	21.7	16.1	24.1
78	9.5	7.4	11.0

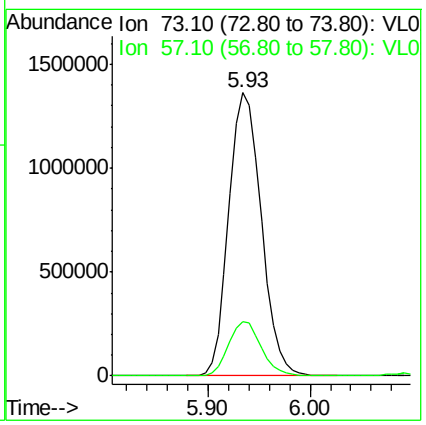


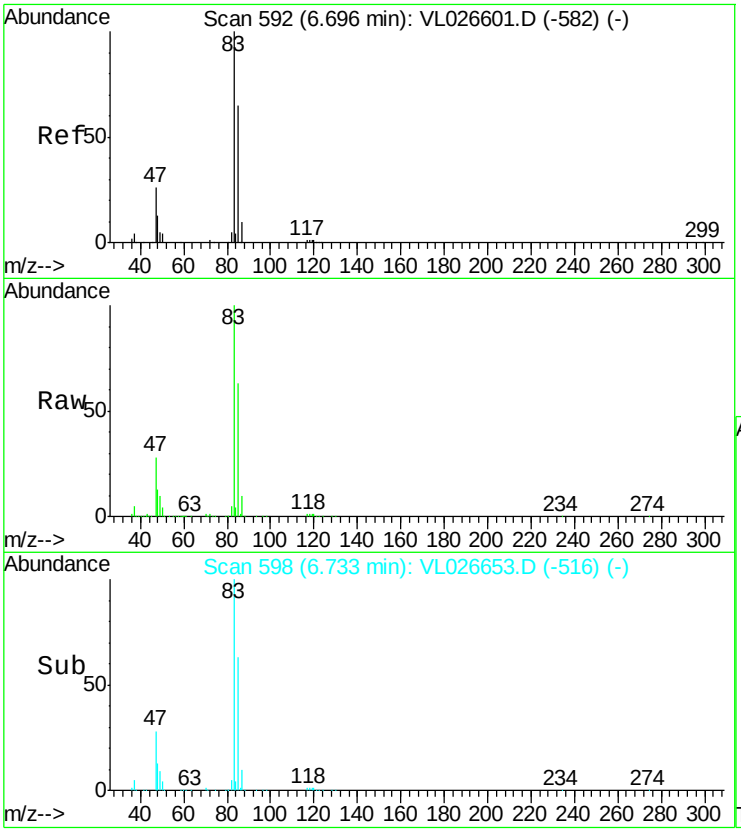


#28
Methyl tert-Butyl Ether
Concen: 14.87 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 73 Resp: 3024198

Ion	Ratio	Lower	Upper
73	100		
57	19.1	16.2	24.4



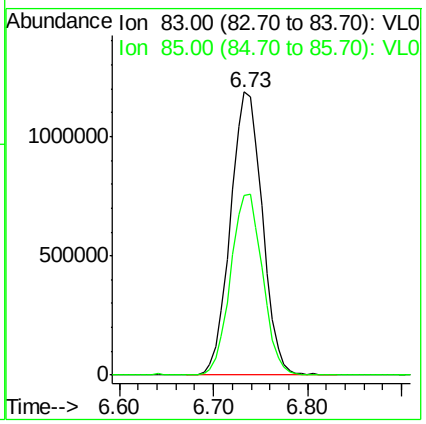


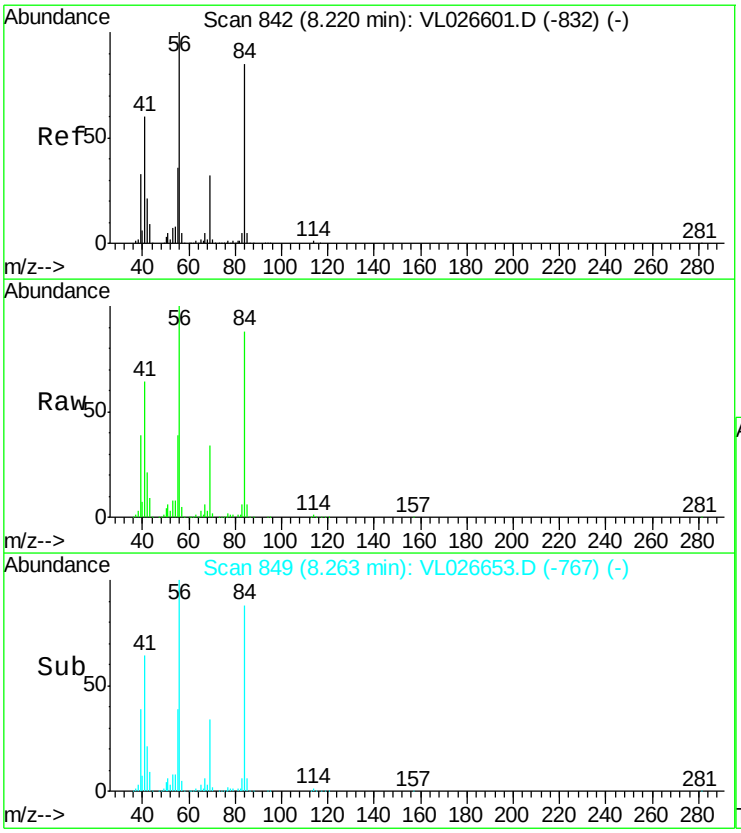
#29
Chloroform
Concen: 15.94 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2801216

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4

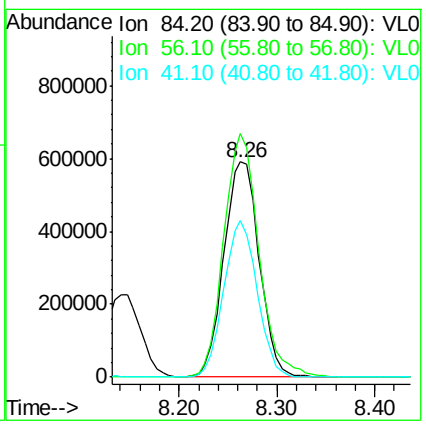


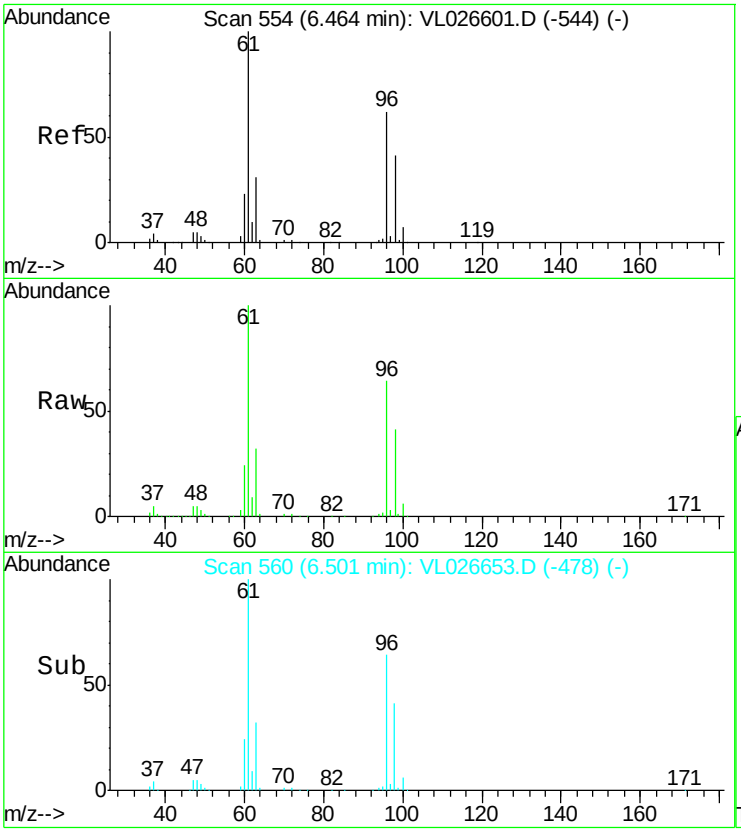


#30
Cyclohexane
Concen: 14.67 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 84 Resp: 1478167

Ion	Ratio	Lower	Upper
84	100		
56	113.1	95.9	143.9
41	69.2	54.8	82.2



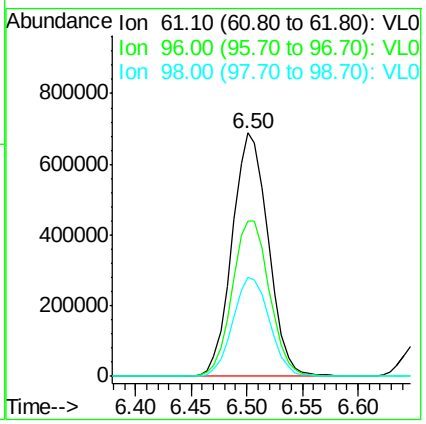


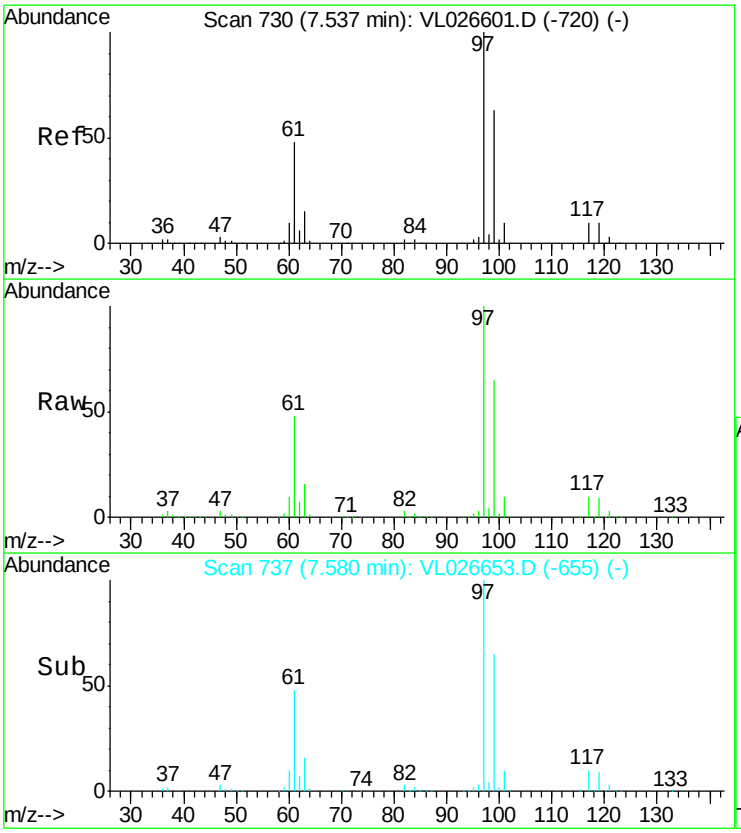
#31
cis-1,2-Dichloroethene
Concen: 14.75 ppbv
RT: 6.50 min Scan# 560
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1547088

Ion	Ratio	Lower	Upper
61	100		
96	63.9	50.2	75.4
98	40.9	32.4	48.6

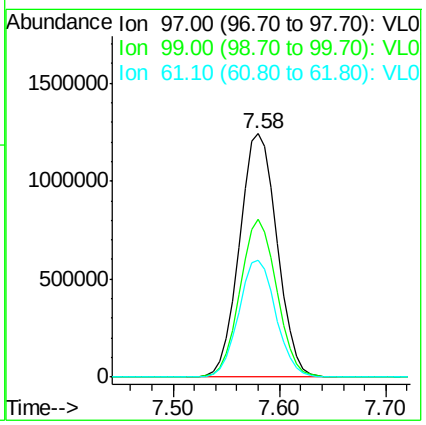


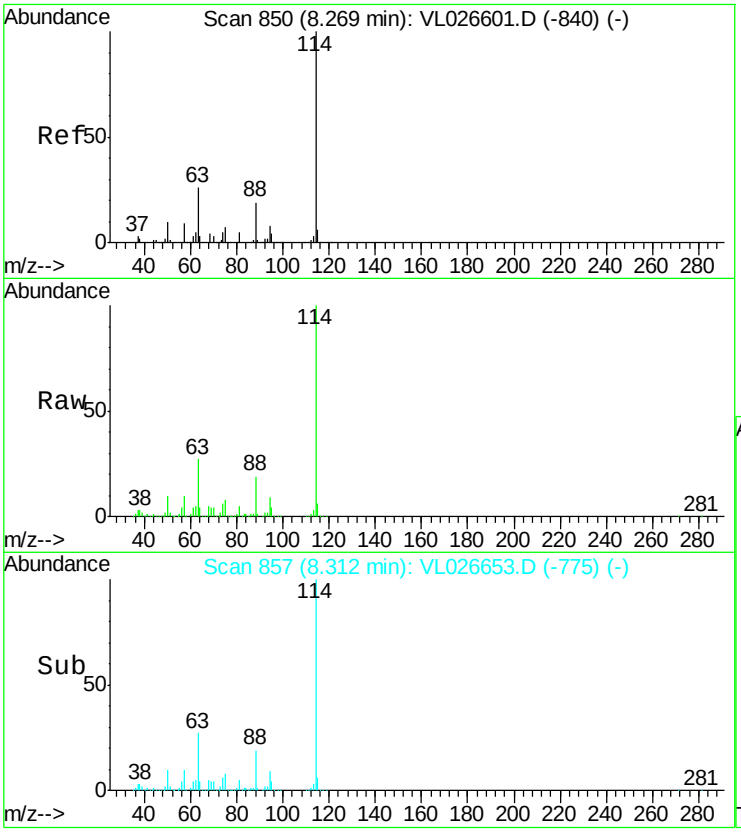


#32
1,1,1-Trichloroethane
Concen: 16.26 ppbv
RT: 7.58 min Scan# 737
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 97 Resp: 3085439

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	47.5	38.6	58.0



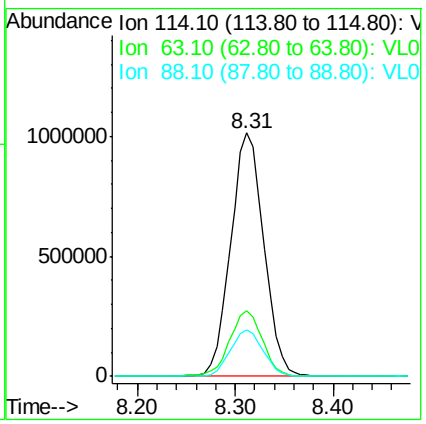


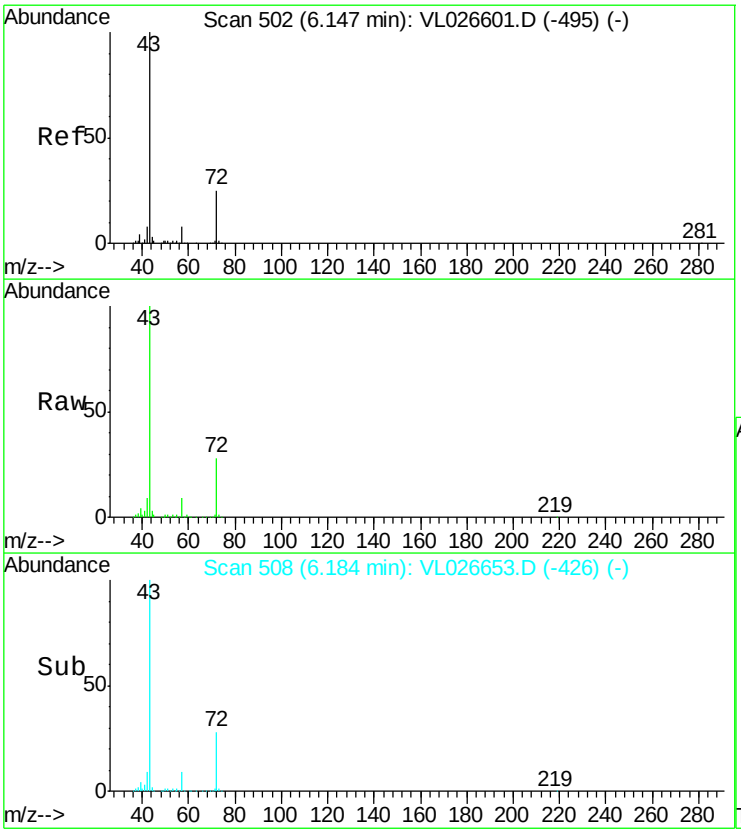
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:114 Resp: 2376958

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.7	32.5
88	19.0	15.2	22.8

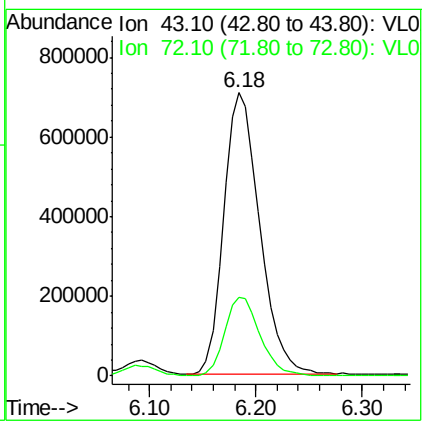


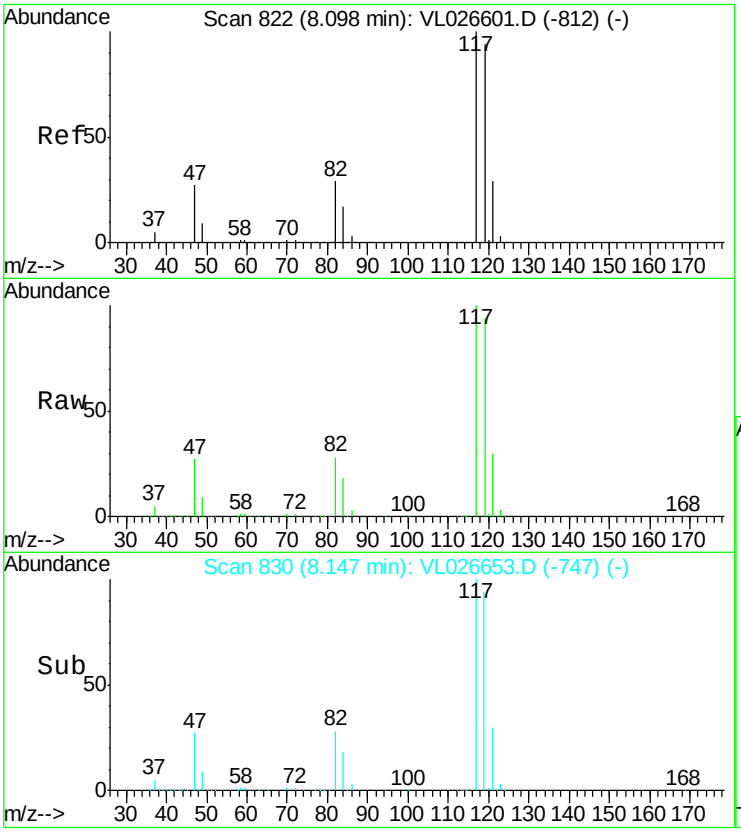


#34
2-Butanone
Concen: 13.45 ppbv
RT: 6.18 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 43 Resp: 1675597

Ion	Ratio	Lower	Upper
43	100		
72	27.7	20.9	31.3



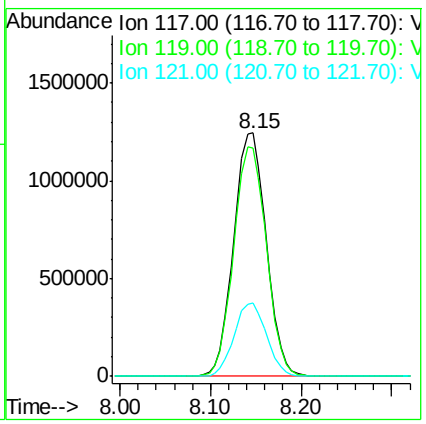


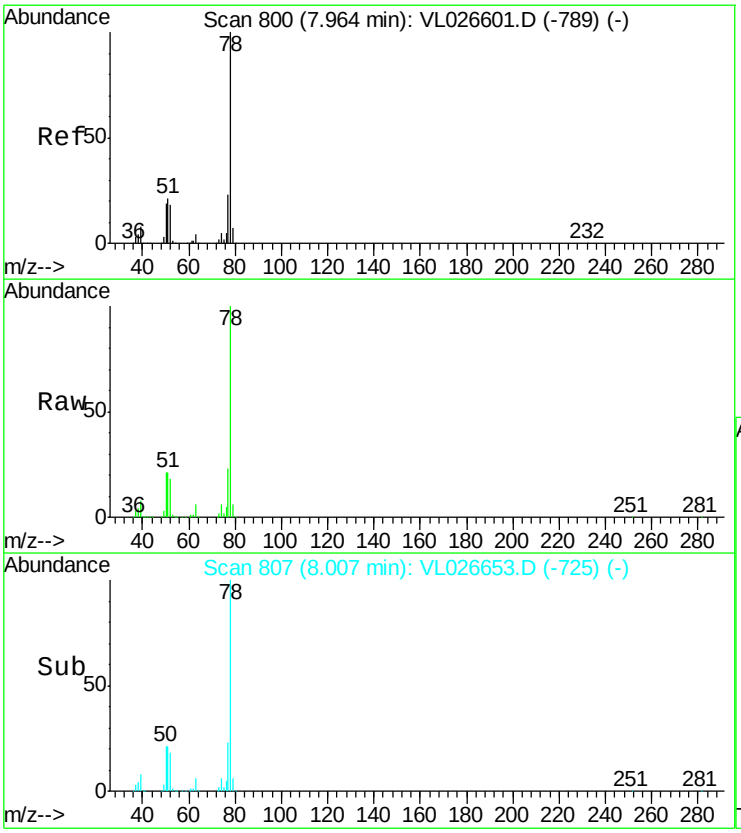
#35
Carbon Tetrachloride
Concen: 15.85 ppbv
RT: 8.15 min Scan# 830
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 3104046

Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.7	112.1
121	30.1	23.1	34.7

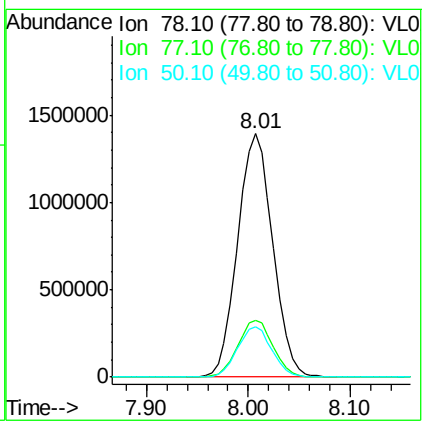


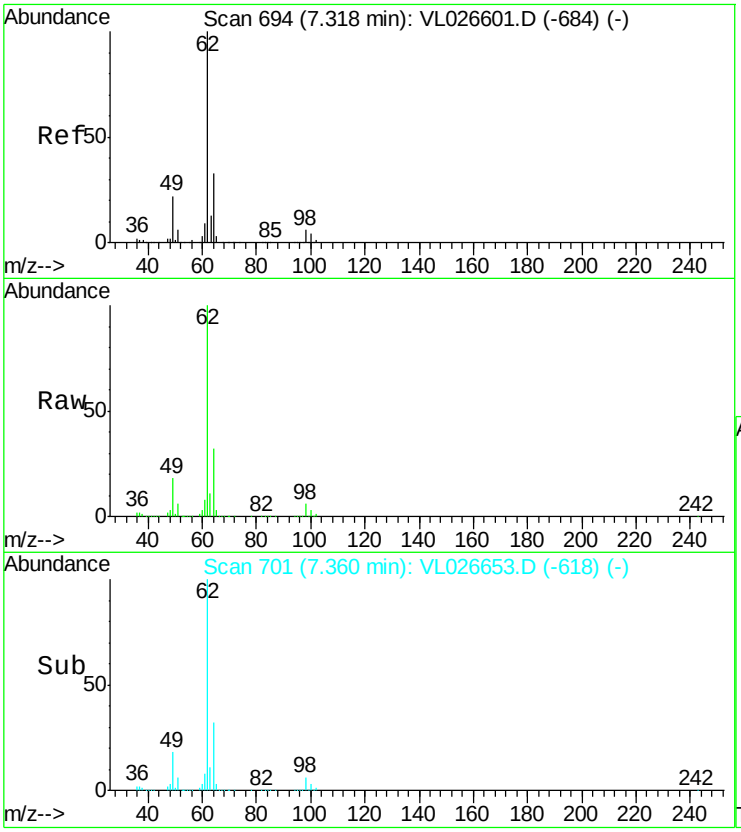


#36
Benzene
Concen: 13.89 ppbv
RT: 8.01 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 78 Resp: 3333585

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7
50	20.8	15.4	23.2



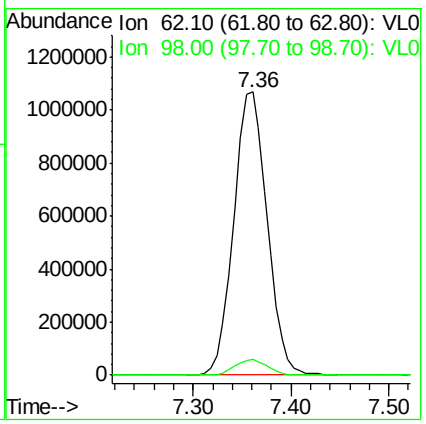


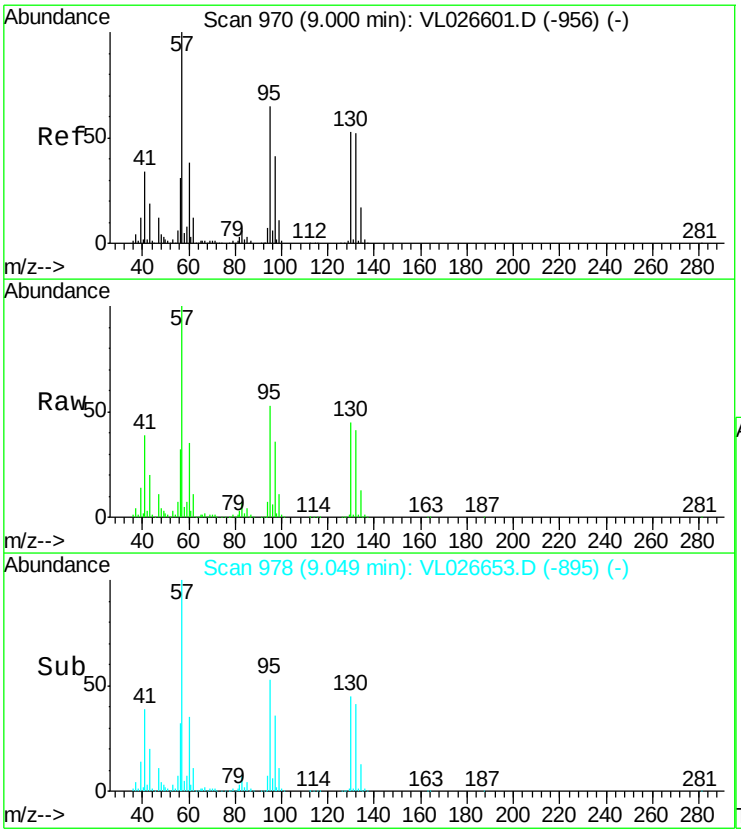
#37
1,2-Dichloroethane
Concen: 15.50 ppbv
RT: 7.36 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 62 Resp: 2535985

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.8	7.2

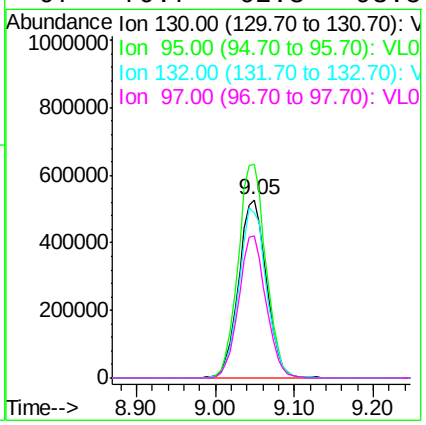


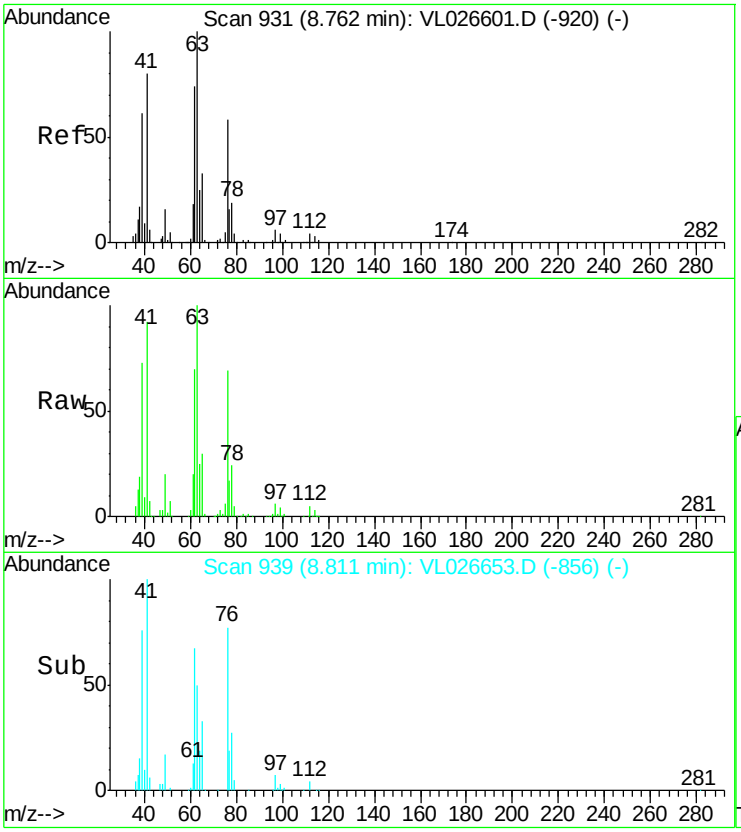


#38
Trichloroethene
Concen: 13.88 ppbv
RT: 9.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:130 Resp: 1294598

Ion	Ratio	Lower	Upper
130	100		
95	119.7	96.6	145.0
132	92.8	76.2	114.4
97	79.7	62.3	93.5



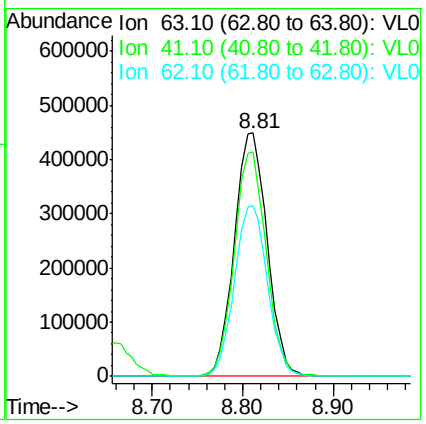


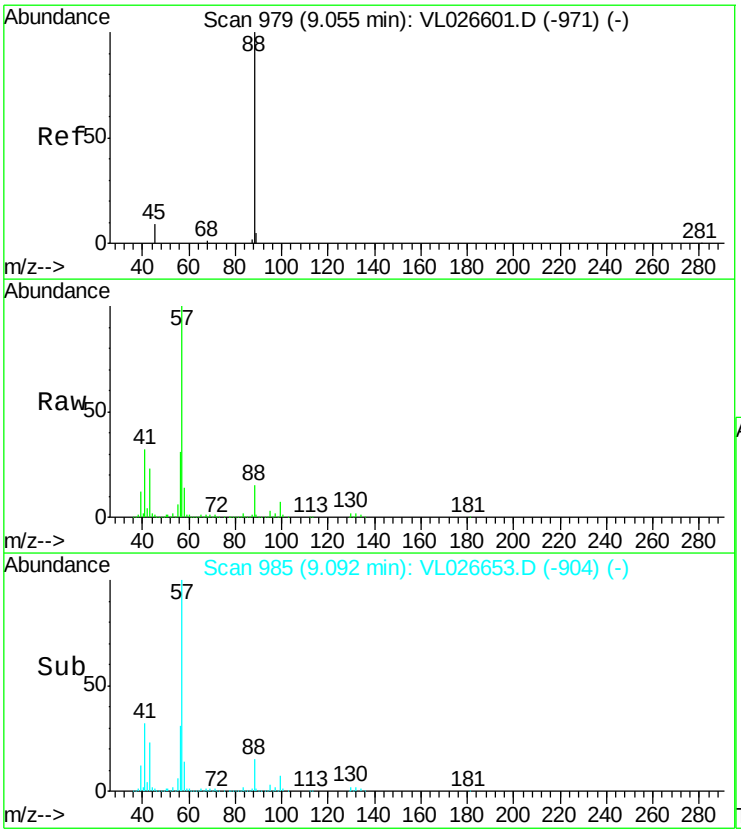
#39
1,2-Dichloropropane
Concen: 13.61 ppbv
RT: 8.81 min Scan# 939
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 1129560

Ion	Ratio	Lower	Upper
63	100		
41	92.2	64.1	96.1
62	70.1	56.6	84.8

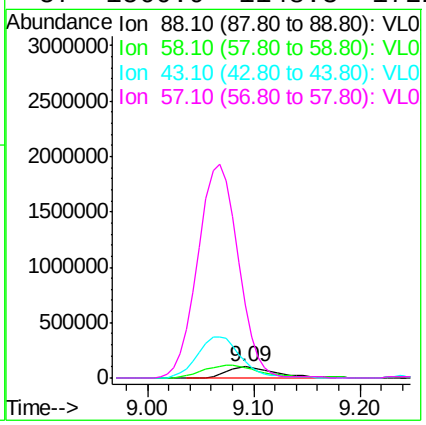


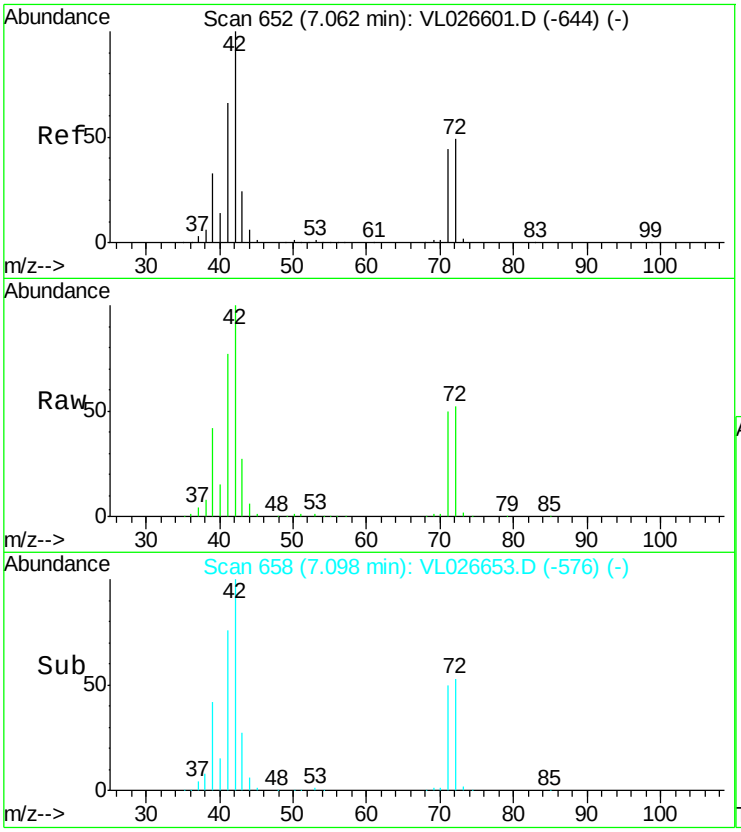


#40
1,4-Dioxane
Concen: 12.38 ppbv
RT: 9.09 min Scan# 985
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 88 Resp: 325829

Ion	Ratio	Lower	Upper
88	100		
58	141.9	109.4	164.2
43	325.1	238.2	357.2
57	1560.9	1148.3	1722.5



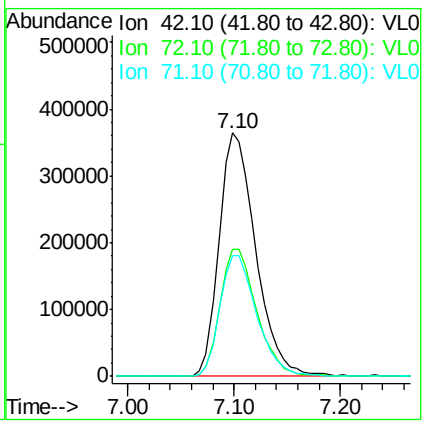


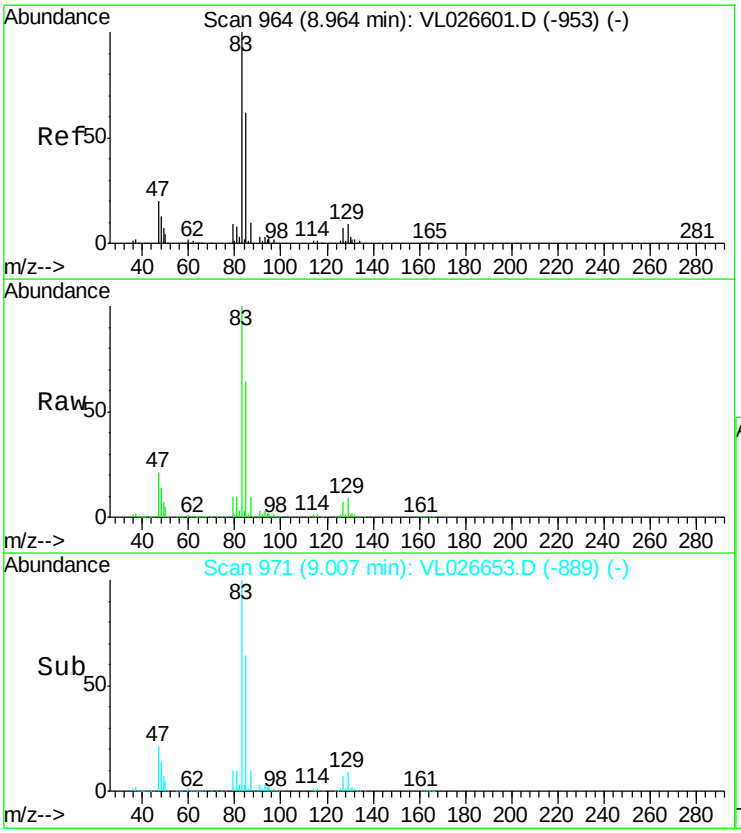
#41
Tetrahydrofuran
Concen: 13.27 ppbv
RT: 7.10 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 876732

Ion	Ratio	Lower	Upper
42	100		
72	52.6	40.6	60.8
71	50.2	38.4	57.6

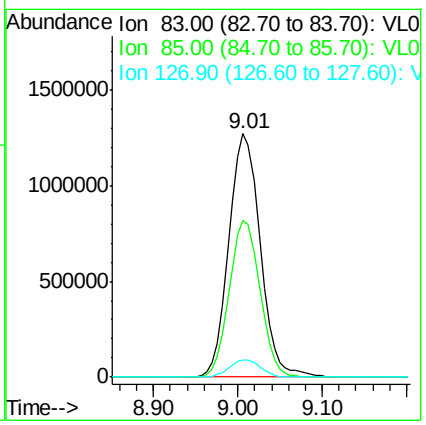


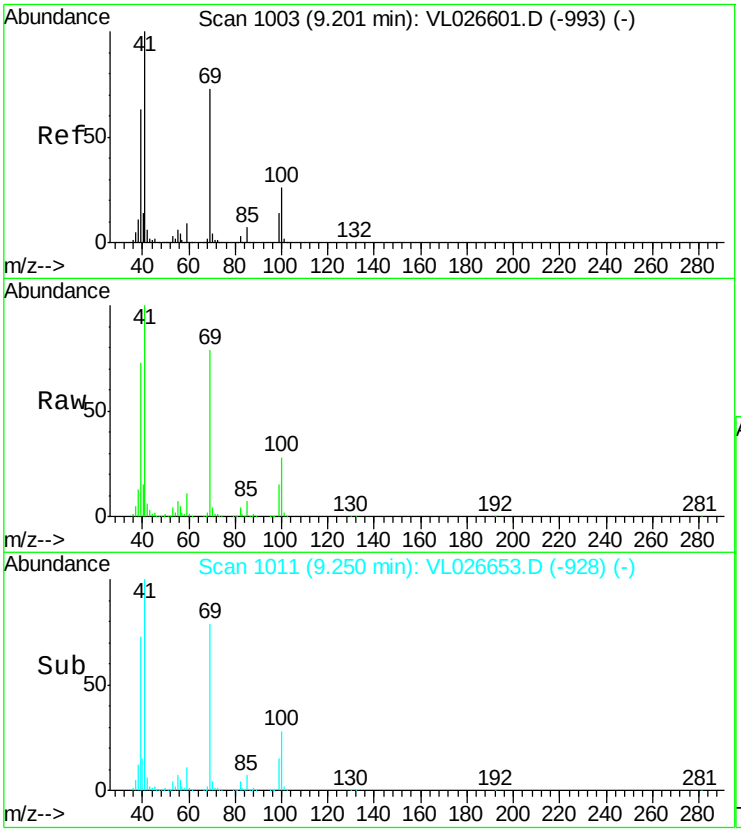


#42
Bromodichloromethane
Concen: 15.14 ppbv
RT: 9.01 min Scan# 971
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 83 Resp: 3225290

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	7.2	5.5	8.3



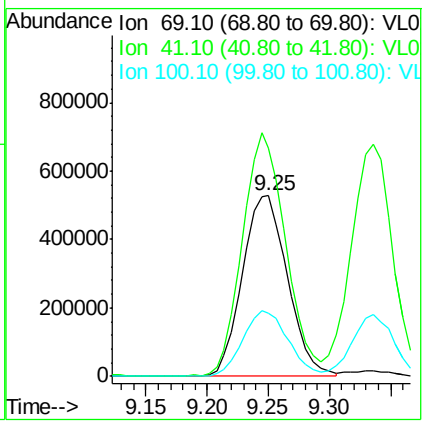


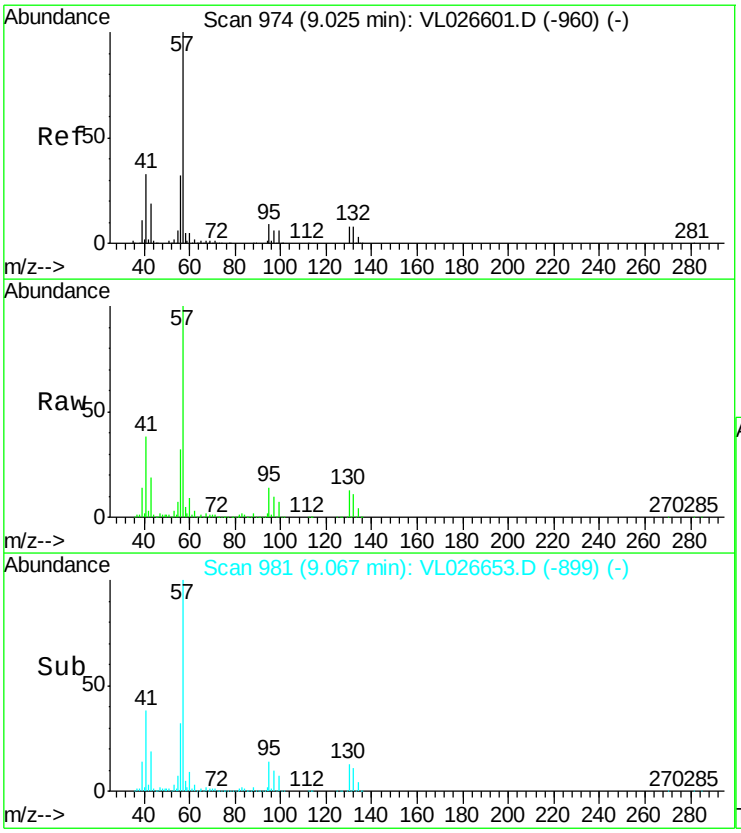
#43
Methyl Methacrylate
Concen: 14.33 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 69 Resp: 1355857

Ion	Ratio	Lower	Upper
69	100		
41	128.8	106.1	159.1
100	36.5	29.0	43.4

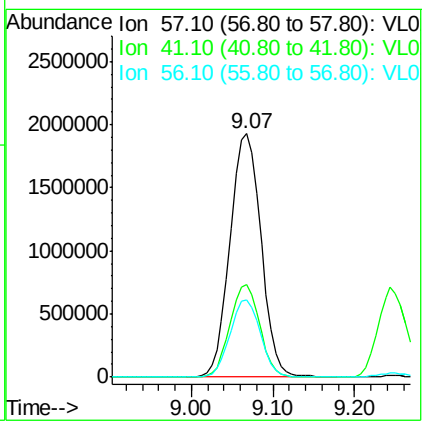


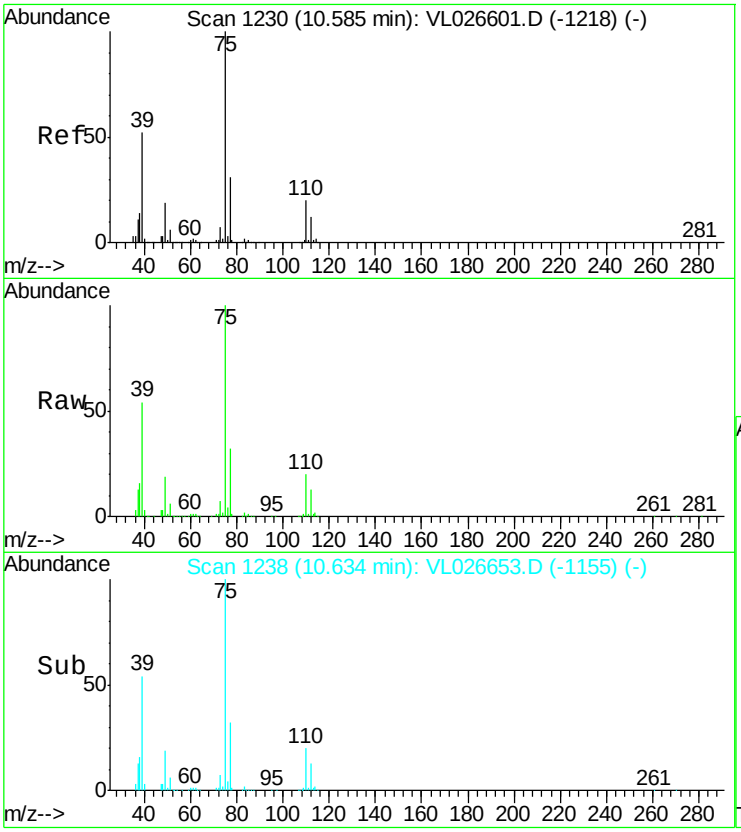


#44
2,2,4-Trimethylpentane
Concen: 13.51 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 57 Resp: 5084270

Ion	Ratio	Lower	Upper
57	100		
41	36.3	26.9	40.3
56	31.0	25.4	38.0



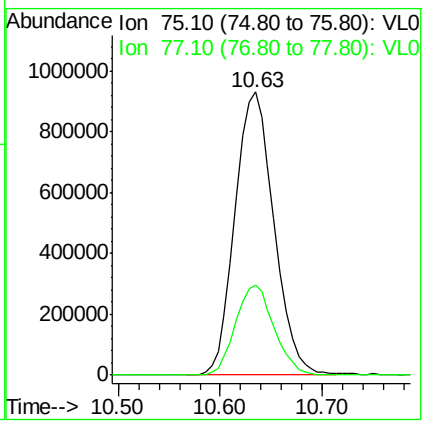


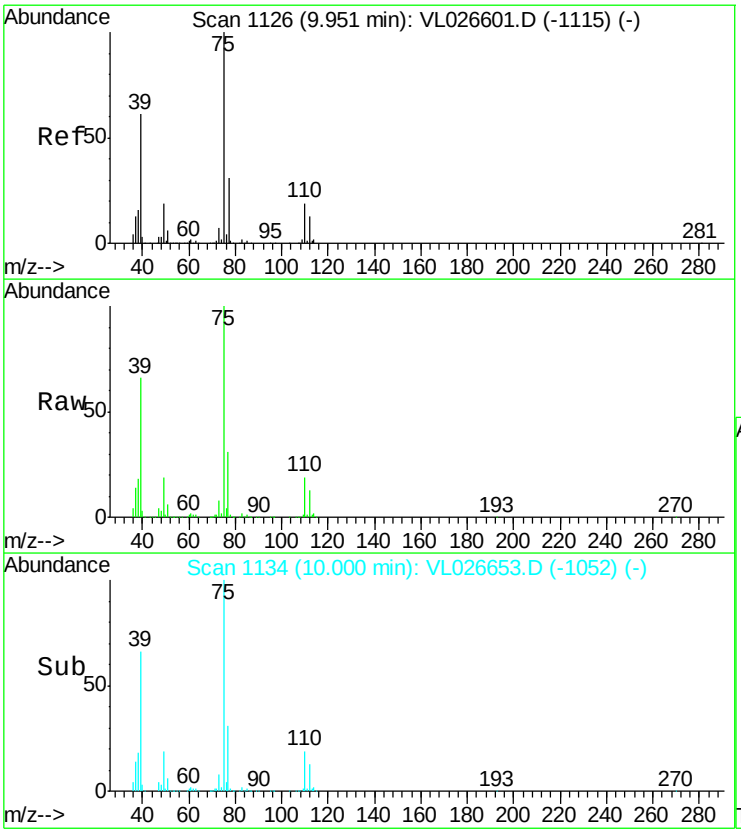
#45
t-1,3-Dichloropropene
Concen: 15.15 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 2467046

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0

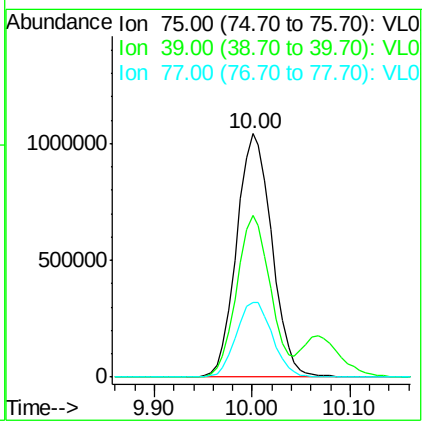


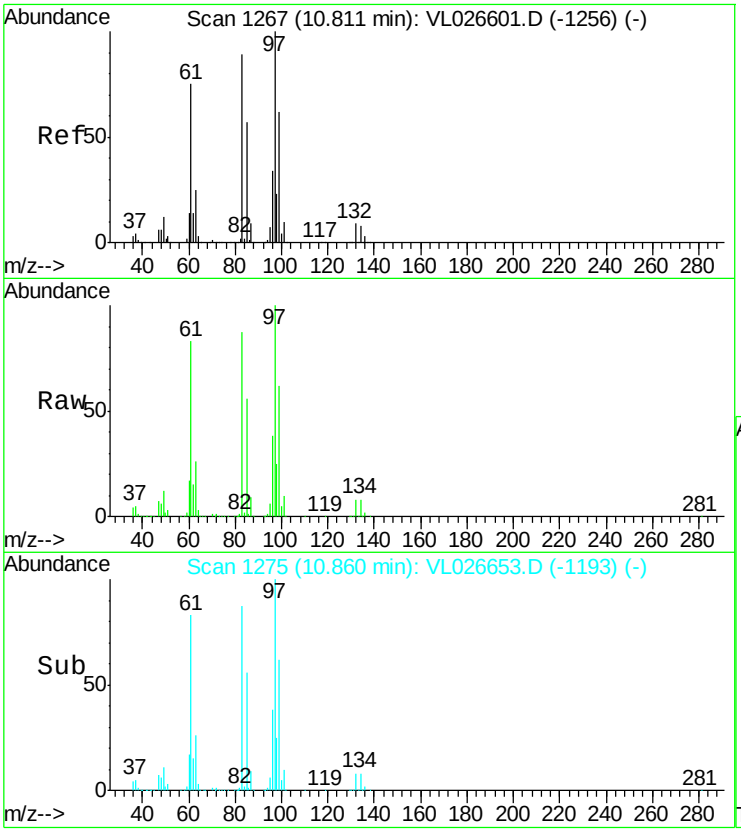


#46
cis-1,3-Dichloropropene
Concen: 14.78 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 75 Resp: 2606845

Ion	Ratio	Lower	Upper
75	100		
39	66.2	51.2	76.8
77	30.7	25.9	38.9



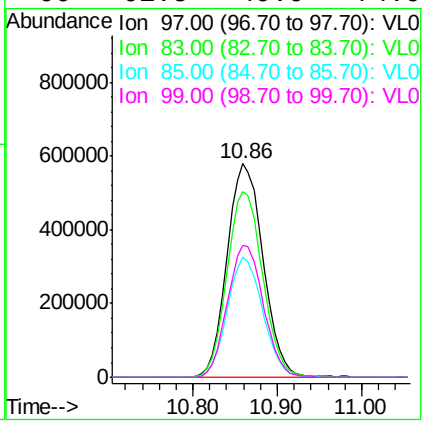


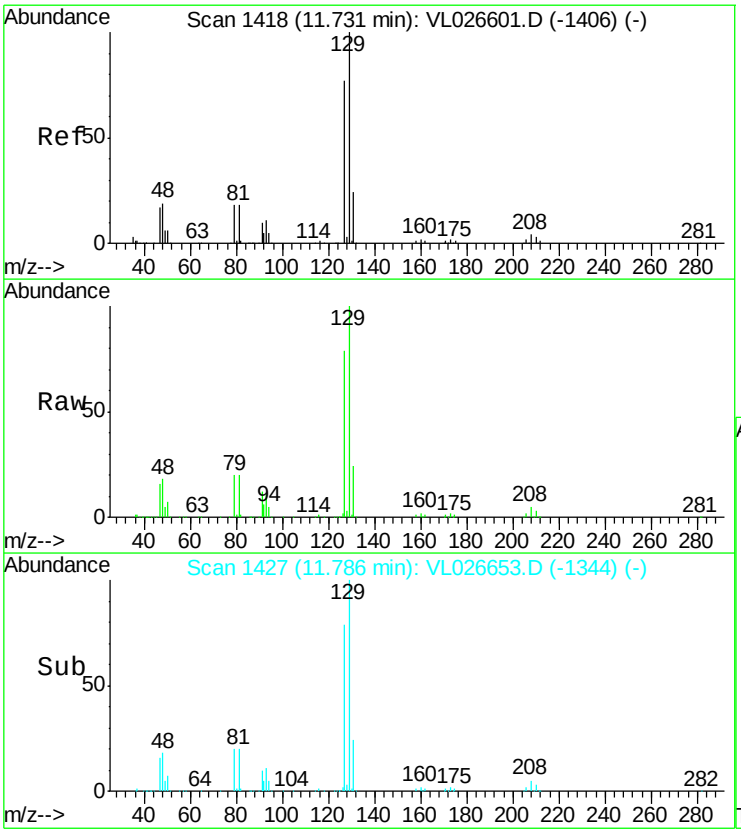
#47
1,1,2-Trichloroethane
Concen: 14.57 ppbv
RT: 10.86 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1683095

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.5	104.3
85	56.3	46.4	69.6
99	61.5	49.9	74.9

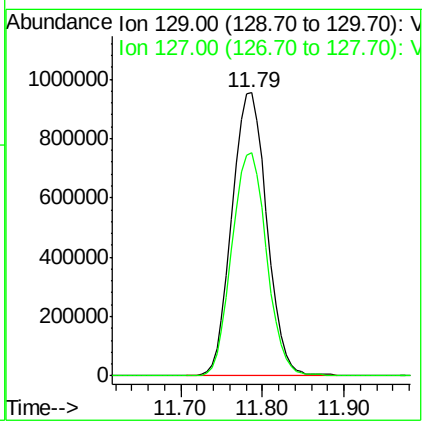


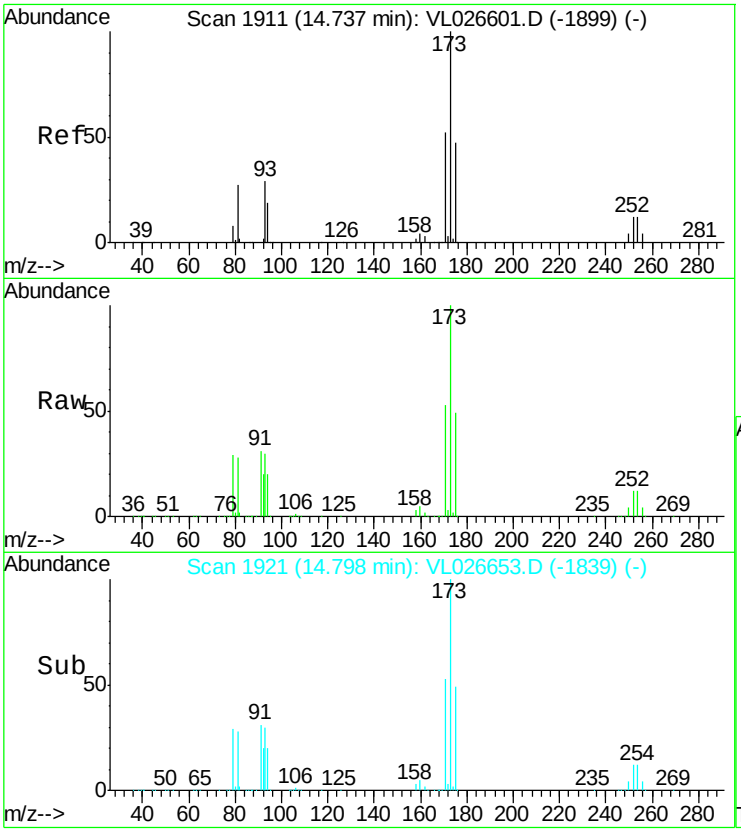


#48
Dibromochloromethane
Concen: 15.50 ppbv
RT: 11.79 min Scan# 1427
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:129 Resp: 2838141

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.5



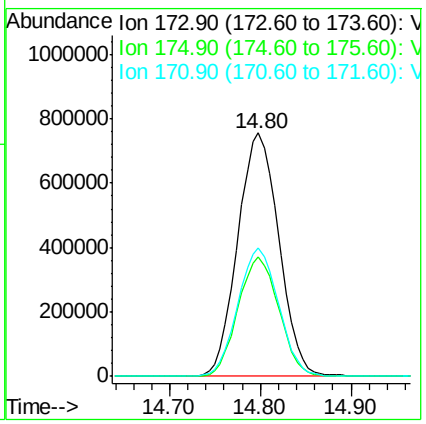


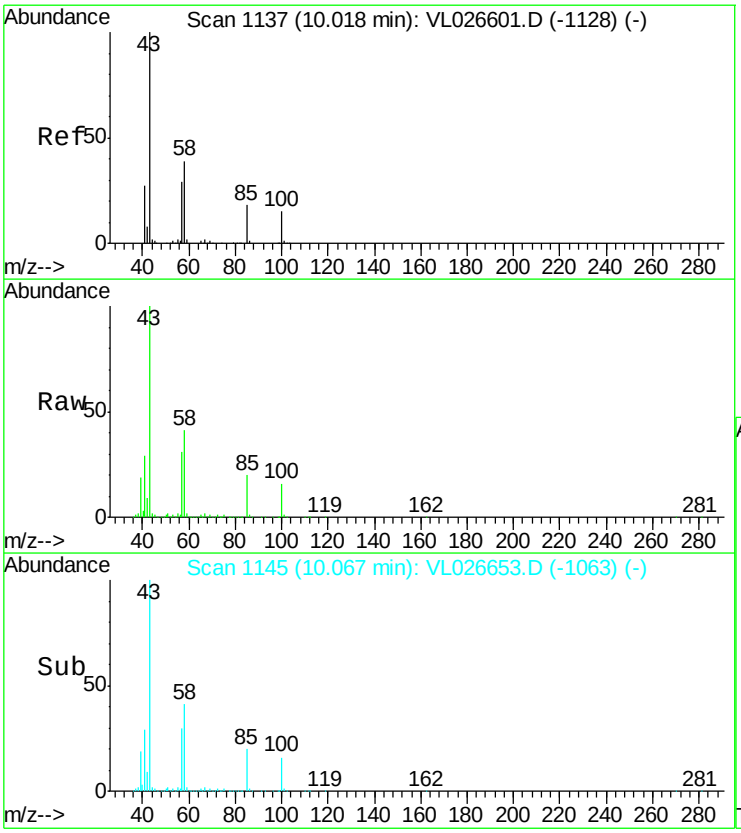
#49
Bromoform
Concen: 15.52 ppbv
RT: 14.80 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 2376145

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
171	52.1	41.5	62.3

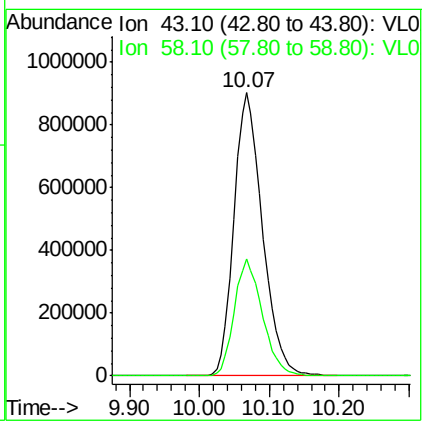


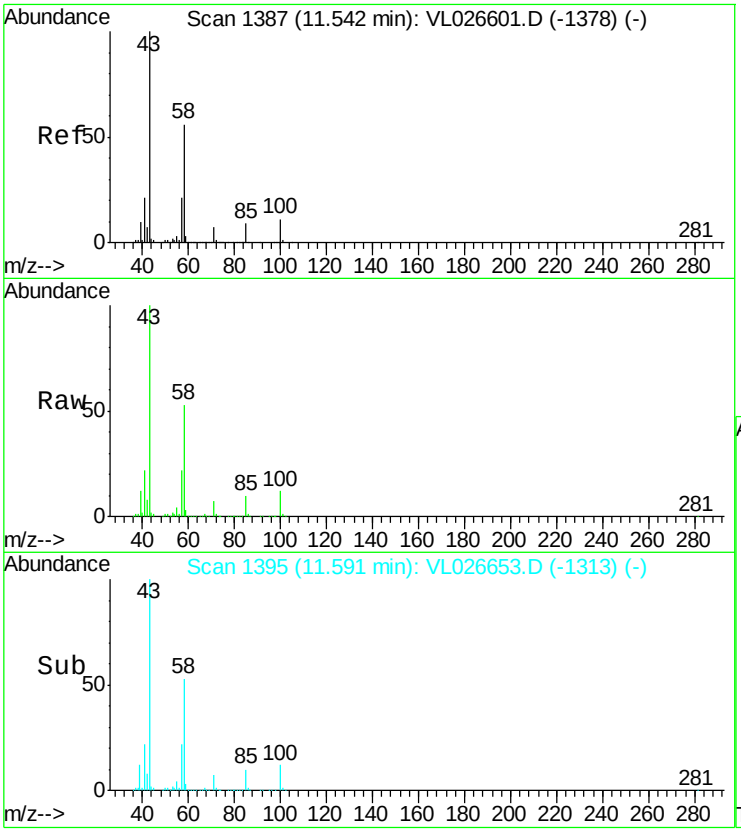


#50
4-Methyl-2-Pentanone
Concen: 13.86 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 43 Resp: 2552848

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.4	48.6



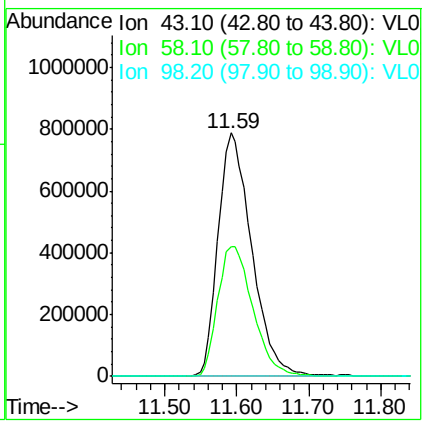


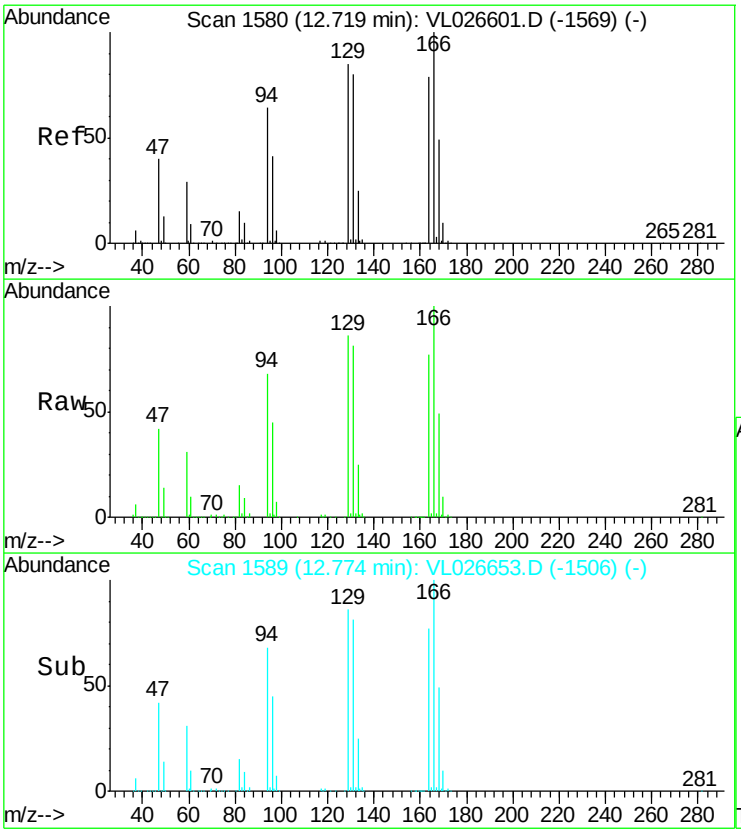
#51
2-Hexanone
Concen: 14.25 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2562444

Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.9	67.3
98	0.3	0.2	0.2#

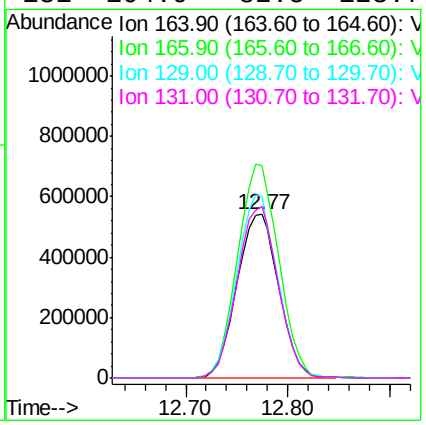


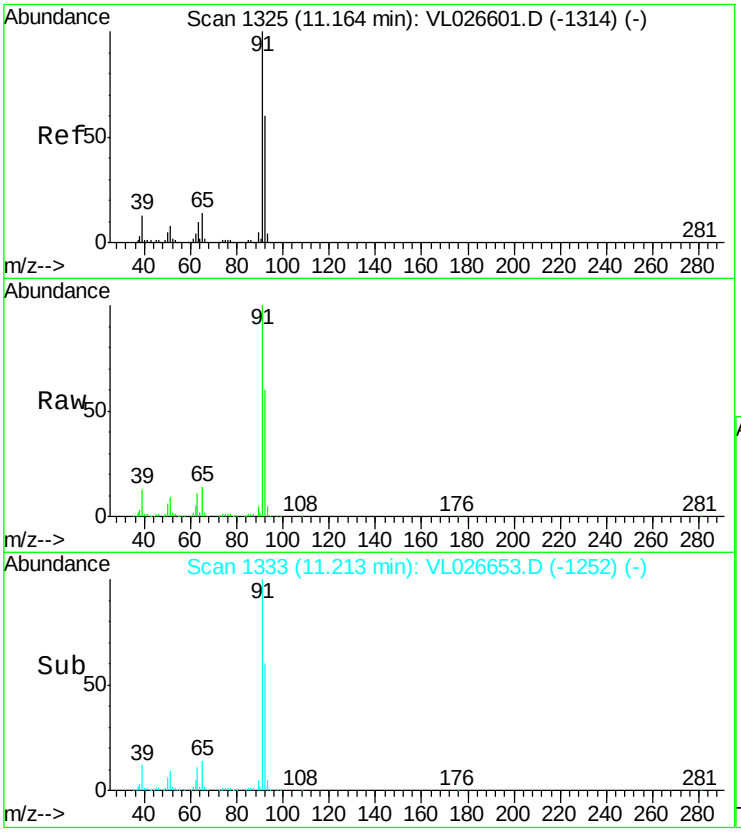


#52
Tetrachloroethene
Concen: 14.74 ppbv
RT: 12.77 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:164 Resp: 1548268

Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.5	153.7
129	111.4	87.0	130.6
131	104.9	82.5	123.7



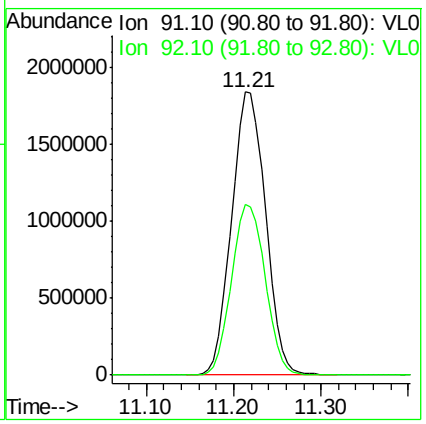


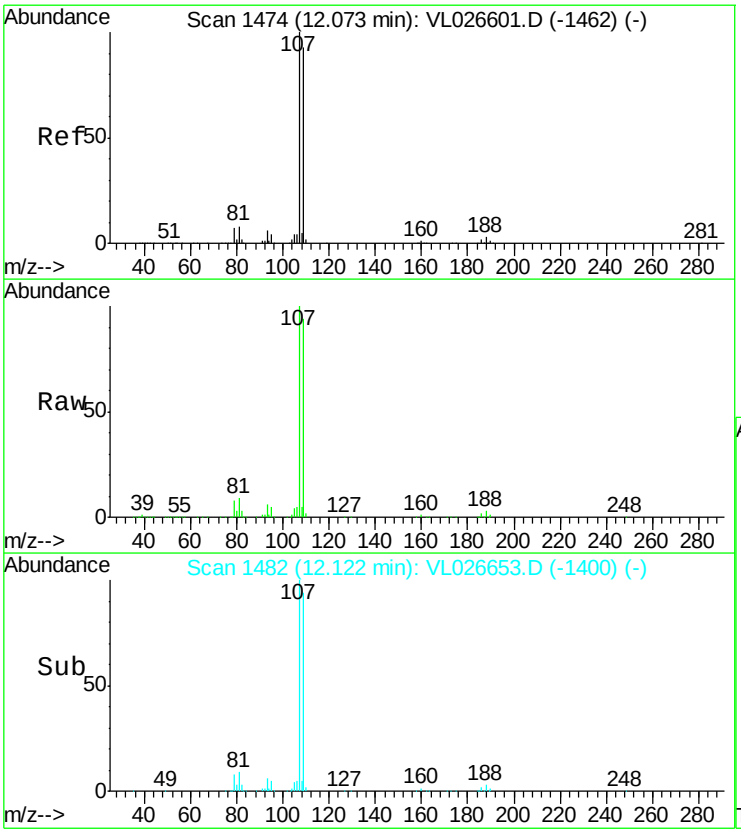
#53
Toluene
Concen: 14.55 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 4982460

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.4

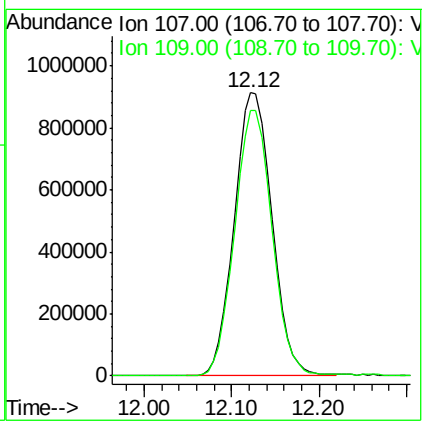


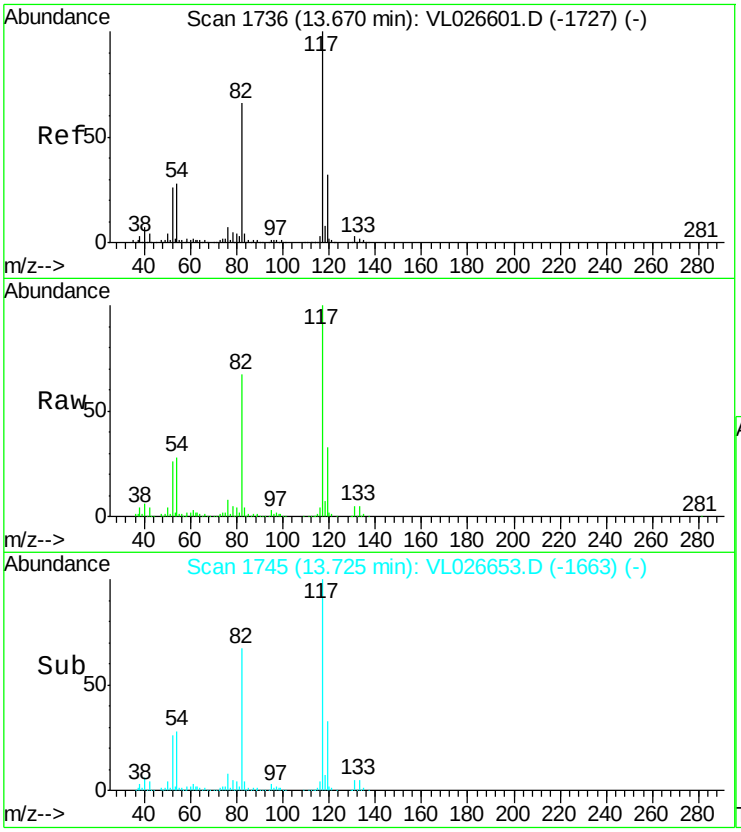


#54
1,2-Dibromoethane
Concen: 15.08 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:107 Resp: 2746509

Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.1	111.1



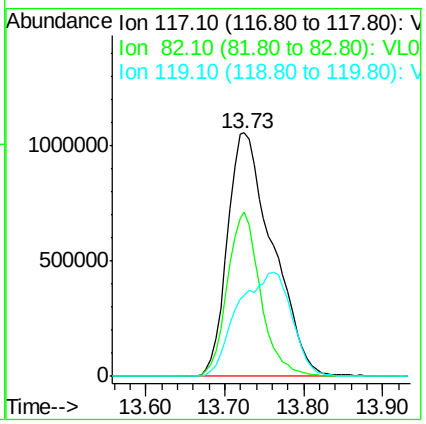


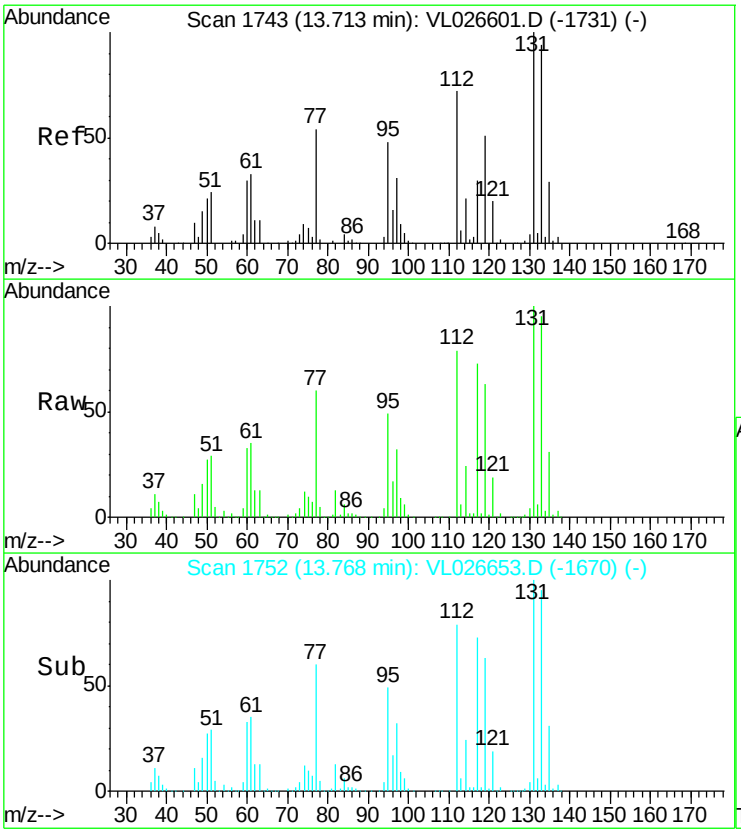
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 4204983

Ion	Ratio	Lower	Upper
117	100		
82	50.1	52.4	78.6#
119	51.1	46.1	69.1

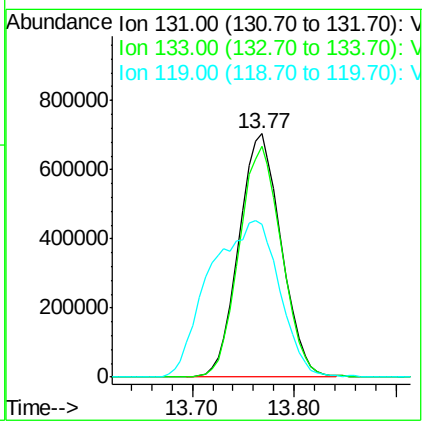


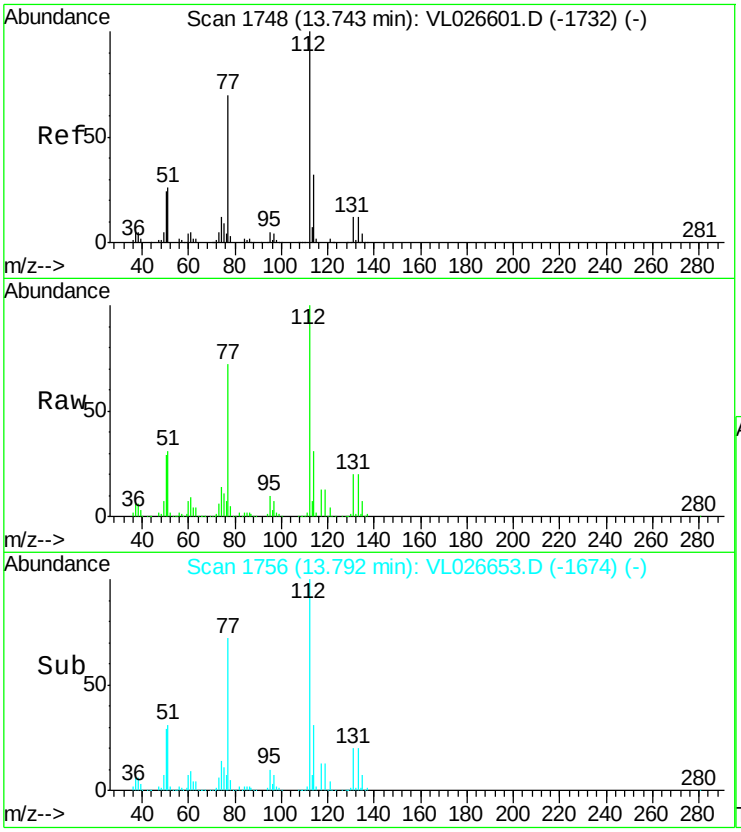


#56
1,1,1,2-Tetrachloroethane
Concen: 10.95 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:131 Resp: 2032684

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.4
119	105.6	104.3	156.5



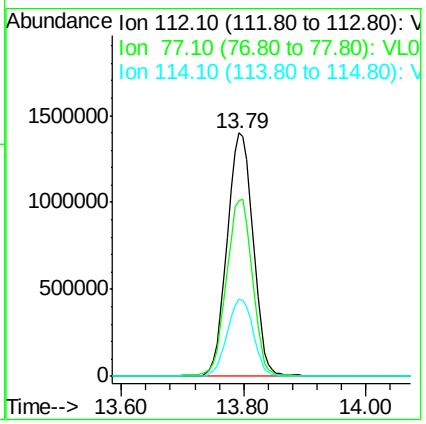


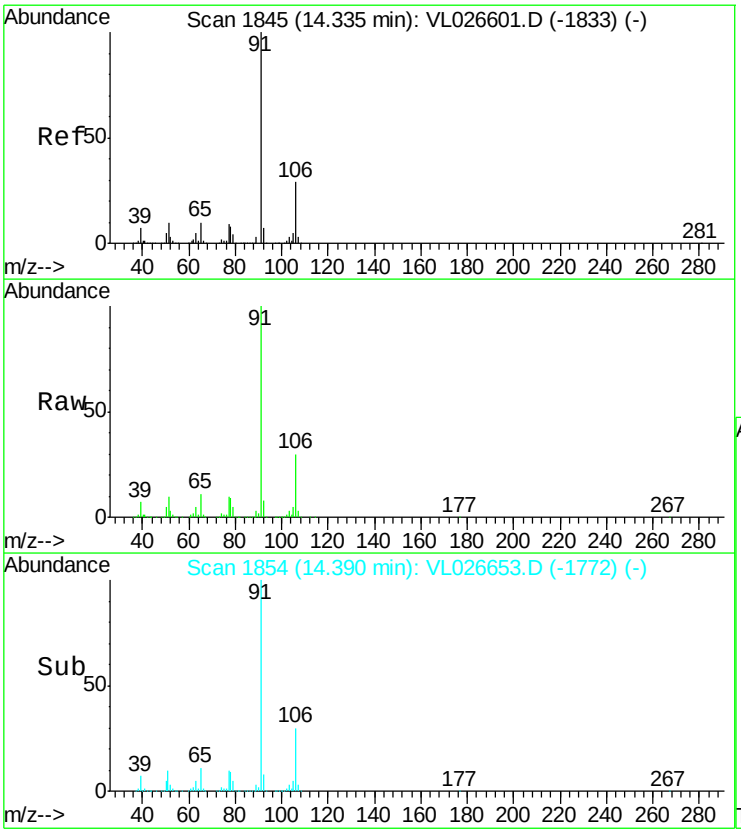
#57
Chlorobenzene
Concen: 10.44 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 4097638

Ion	Ratio	Lower	Upper
112	100		
77	72.3	56.9	85.3
114	31.5	28.8	35.2

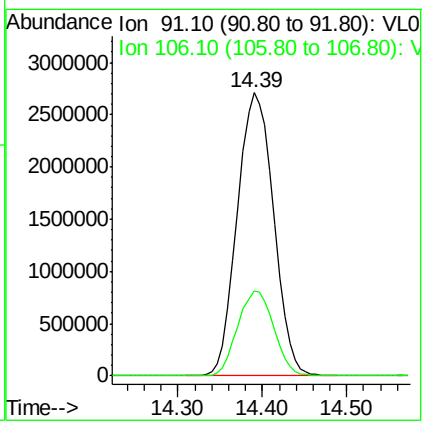


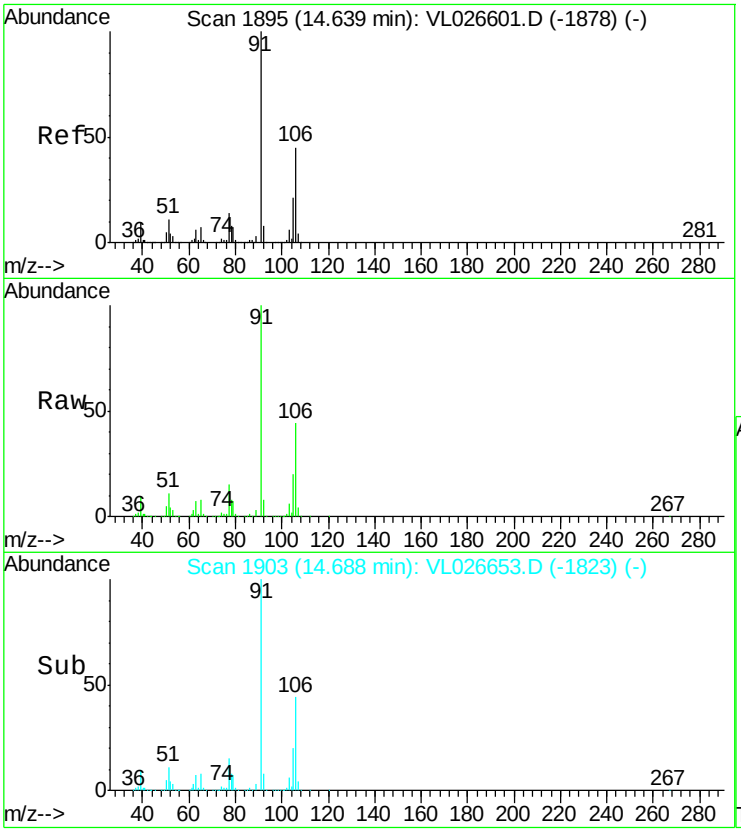


#58
Ethyl Benzene
Concen: 10.61 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 91 Resp: 7962982

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.8	35.6



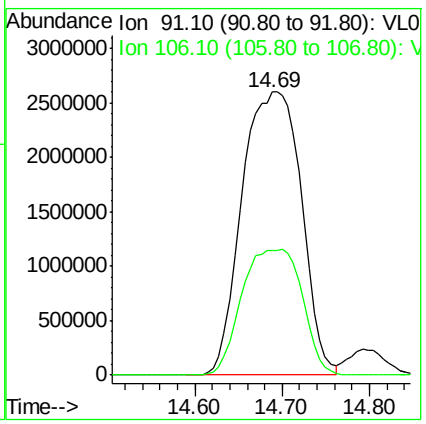


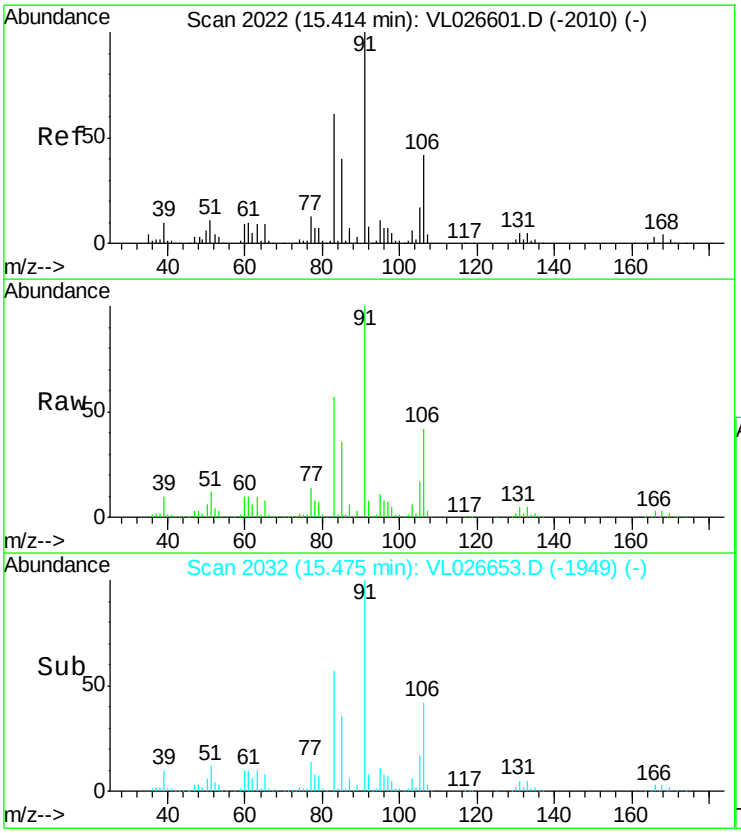
#59
m/p-Xylene
Concen: 21.05 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp:12251889

Ion	Ratio	Lower	Upper
91	100		
106	45.5	36.6	55.0

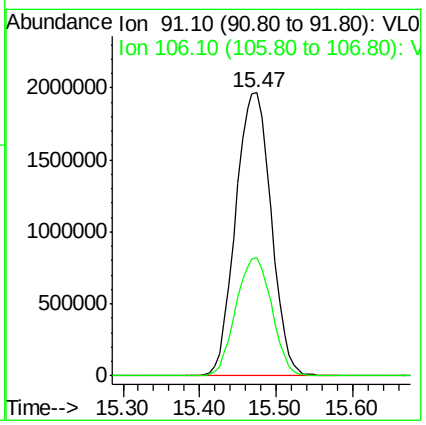


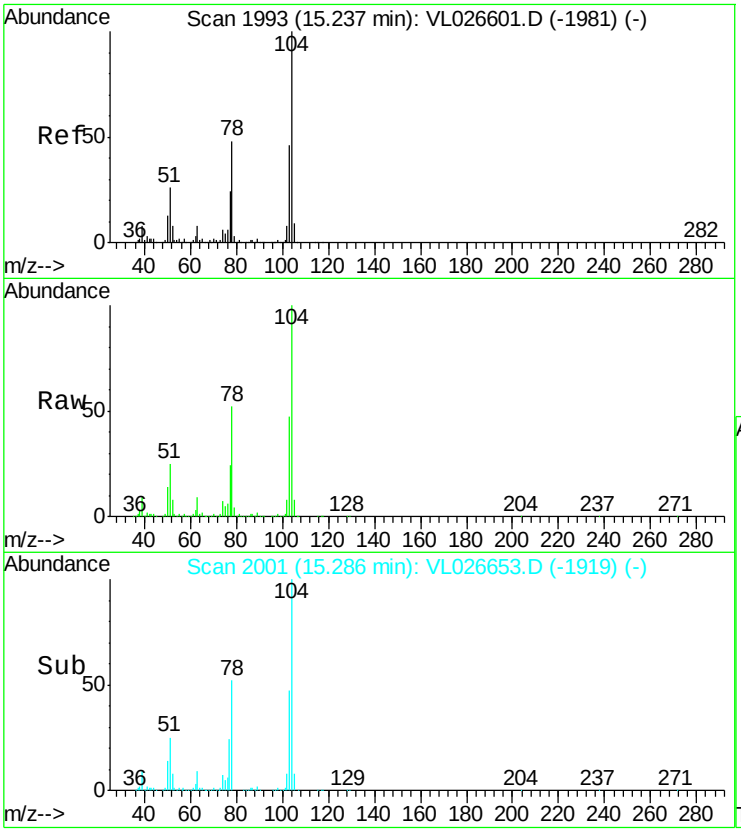


#60
o-Xylene
Concen: 10.52 ppbv
RT: 15.47 min Scan# 2032
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 91 Resp: 6341133

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.4	64.3



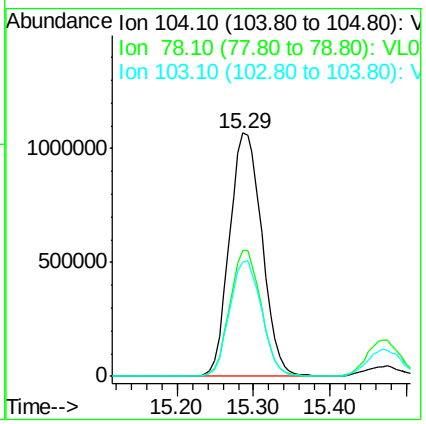


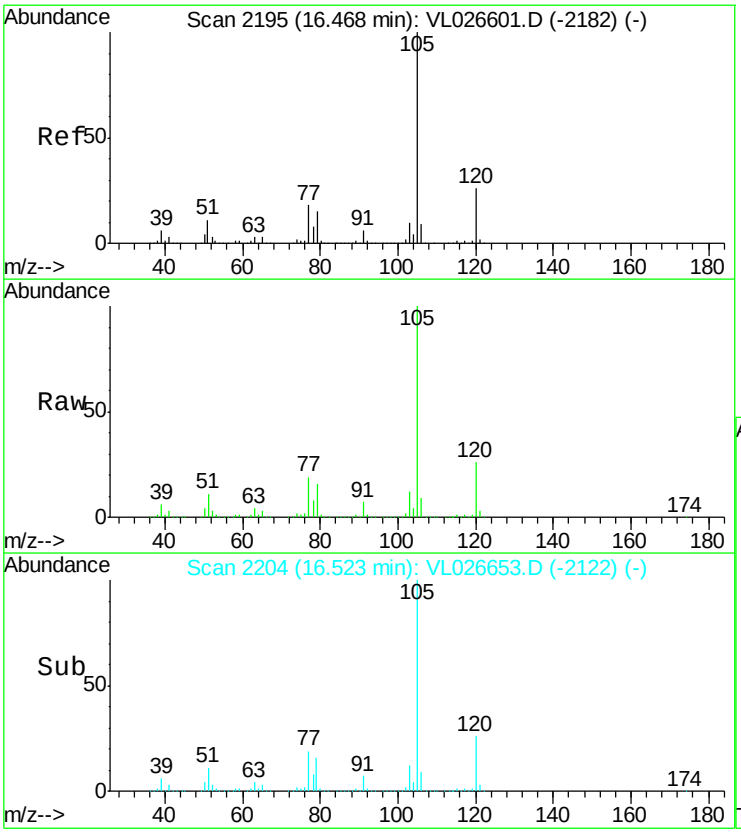
#61
Stvrene
Concen: 10.99 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 3152580

Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.5	59.3
103	47.0	37.8	56.6

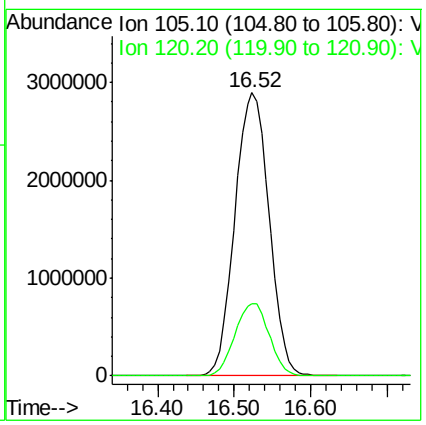


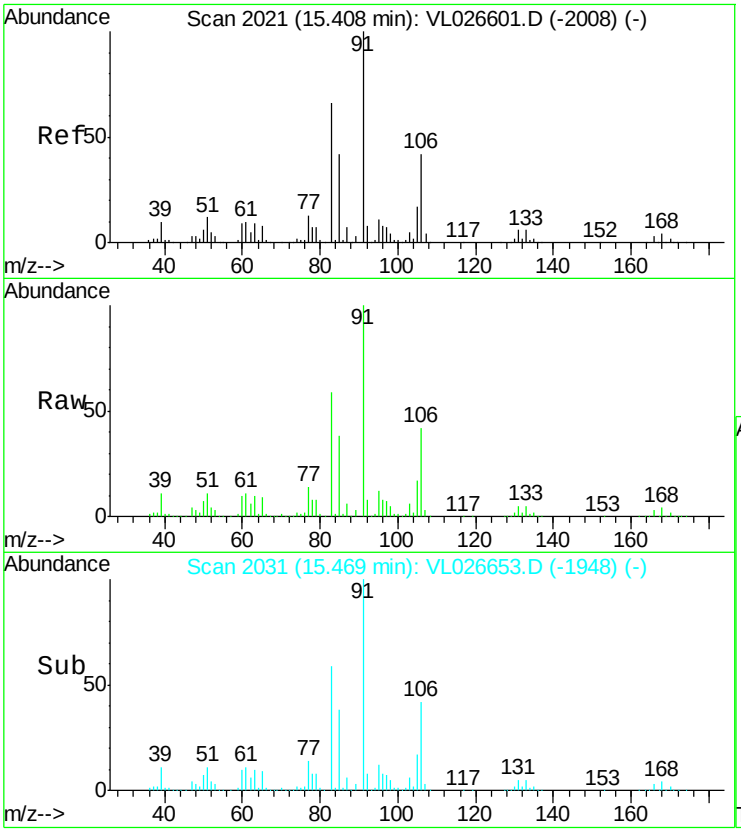


#62
Isopropylbenzene
Concen: 10.72 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:105 Resp: 9001606

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5



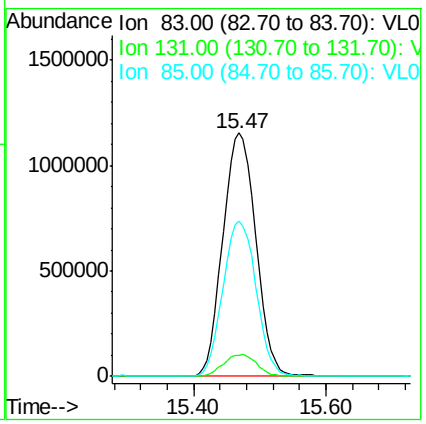


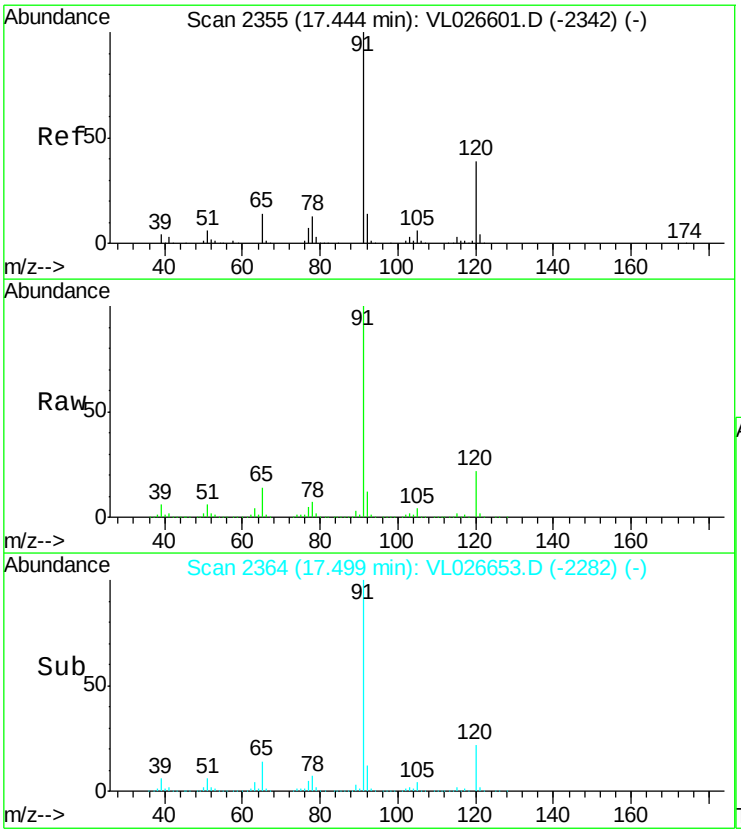
#63
1,1,2,2-Tetrachloroethane
Concen: 10.35 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 83 Resp: 3995672

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.4	32.6	97.7

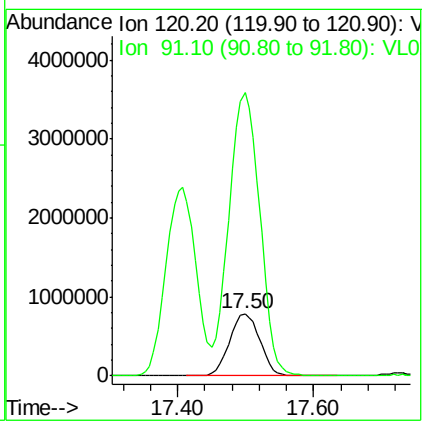


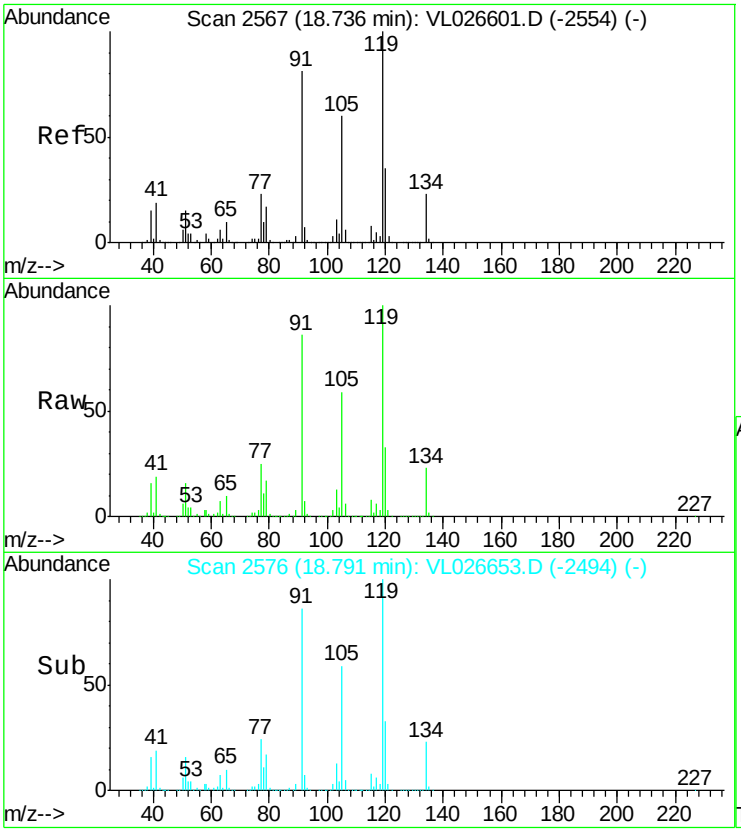


#64
n-propylbenzene
Concen: 10.89 ppbv
RT: 17.50 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:120 Resp: 2422331

Ion	Ratio	Lower	Upper
120	100		
91	458.4	380.9	571.3



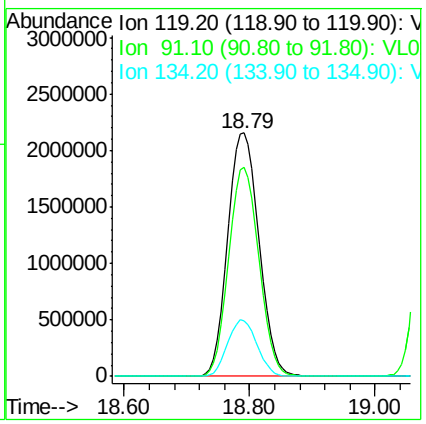


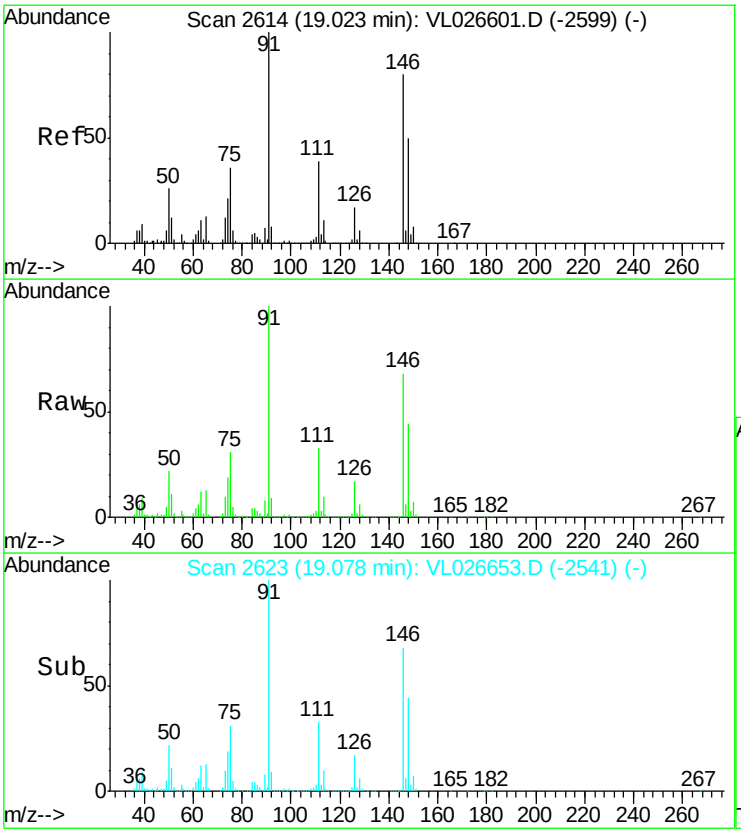
#65
tert-Butylbenzene
Concen: 10.67 ppbv
RT: 18.79 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:119 Resp: 7455878

Ion	Ratio	Lower	Upper
119	100		
91	83.0	64.8	97.2
134	21.8	17.4	26.0

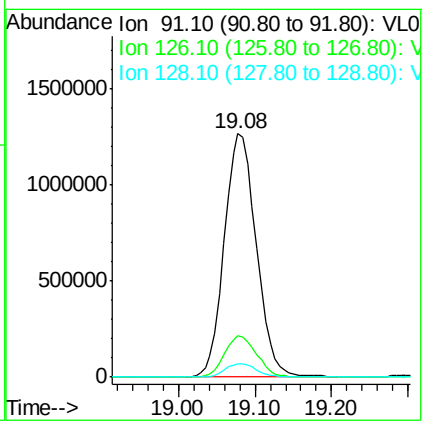


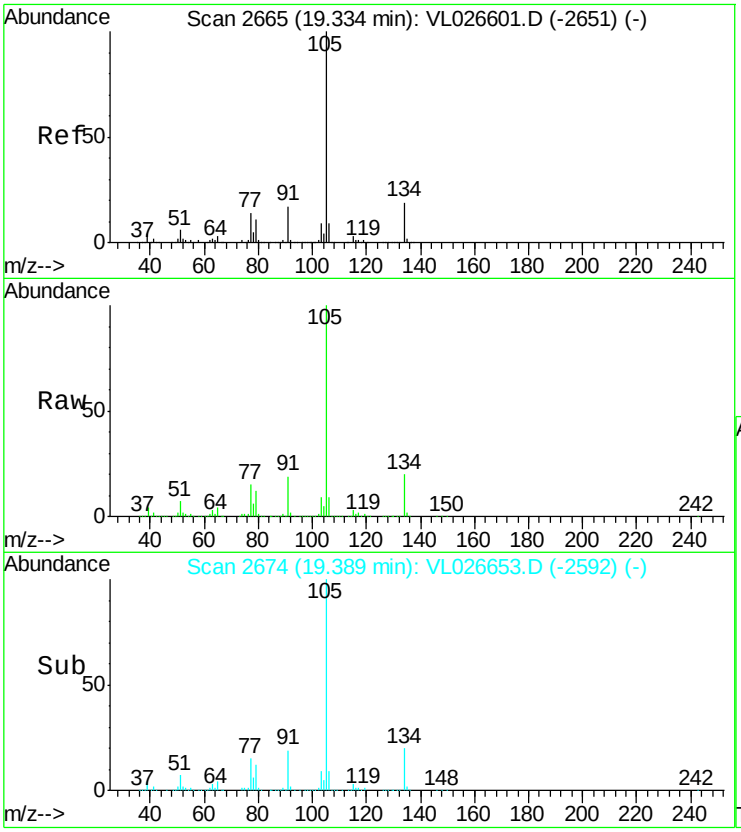


#66
Benzyl Chloride
Concen: 11.26 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 91 Resp: 3652608

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.2	21.2
128	5.5	4.5	6.7



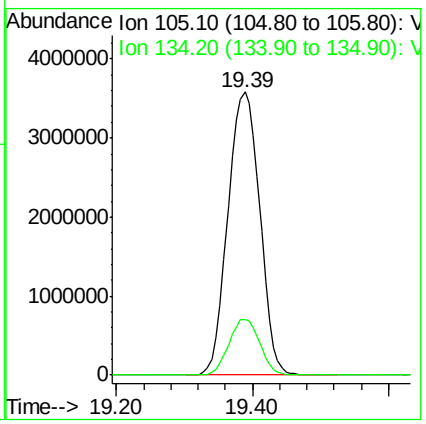


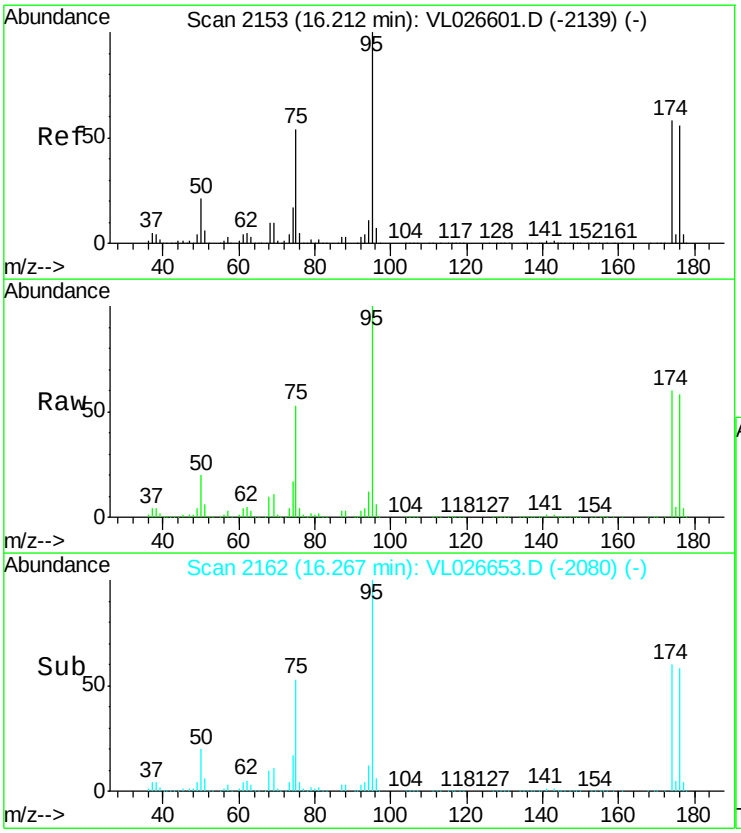
#67
sec-Butylbenzene
Concen: 10.71 ppbv
RT: 19.39 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:105 Resp:11640745

Ion	Ratio	Lower	Upper
105	100		
134	19.2	14.9	22.3

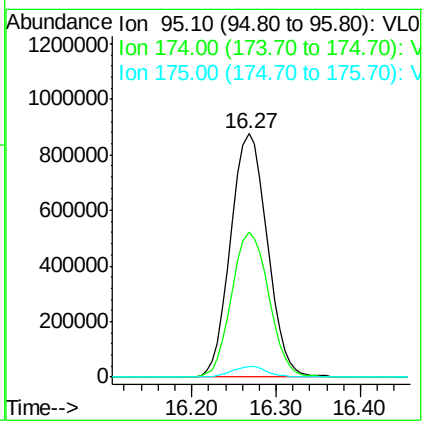


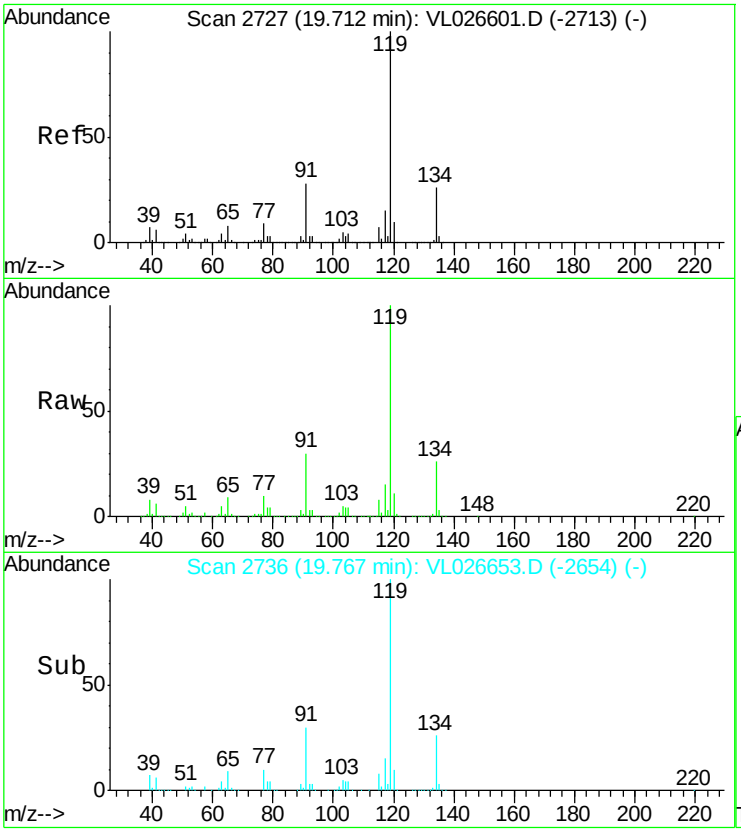


#68
1-Bromo-4-Fluorobenzene
Concen: 7.65 ppbv
RT: 16.27 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 95 Resp: 2594449

Ion	Ratio	Lower	Upper
95	100		
174	60.7	47.8	71.6
175	4.4	3.5	5.3



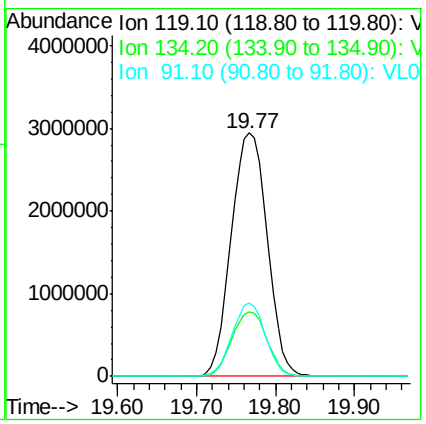


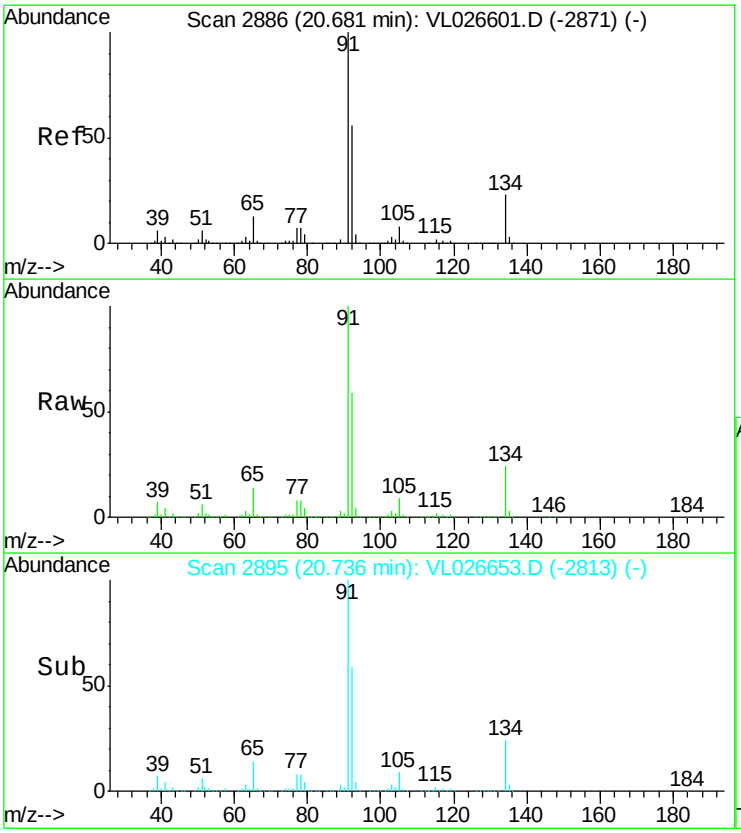
#69
p-Isopropyltoluene
Concen: 10.93 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 9349839

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	28.0	21.8	32.6

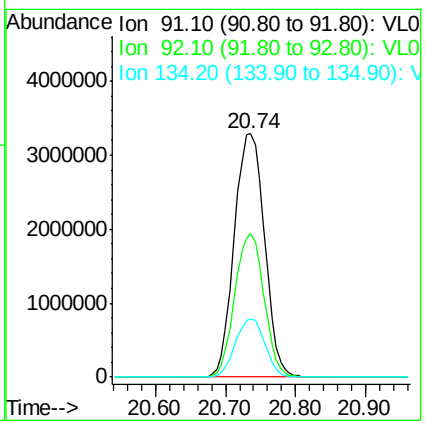


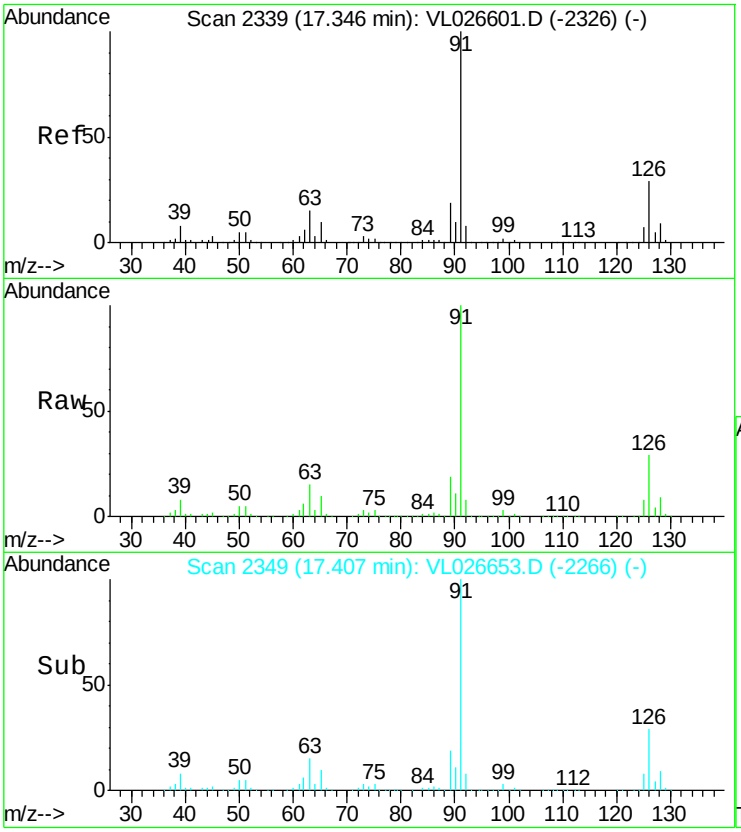


#70
n-Butylbenzene
Concen: 10.96 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion: 91 Resp: 9880127

Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.0	67.6
134	23.3	18.2	27.2



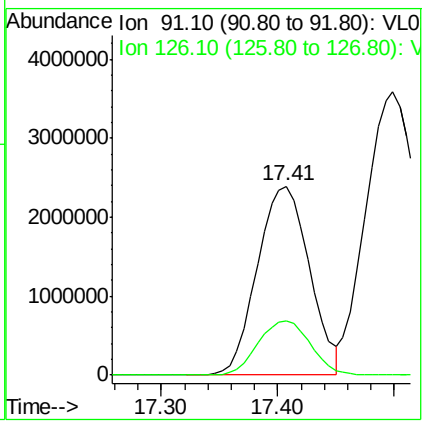


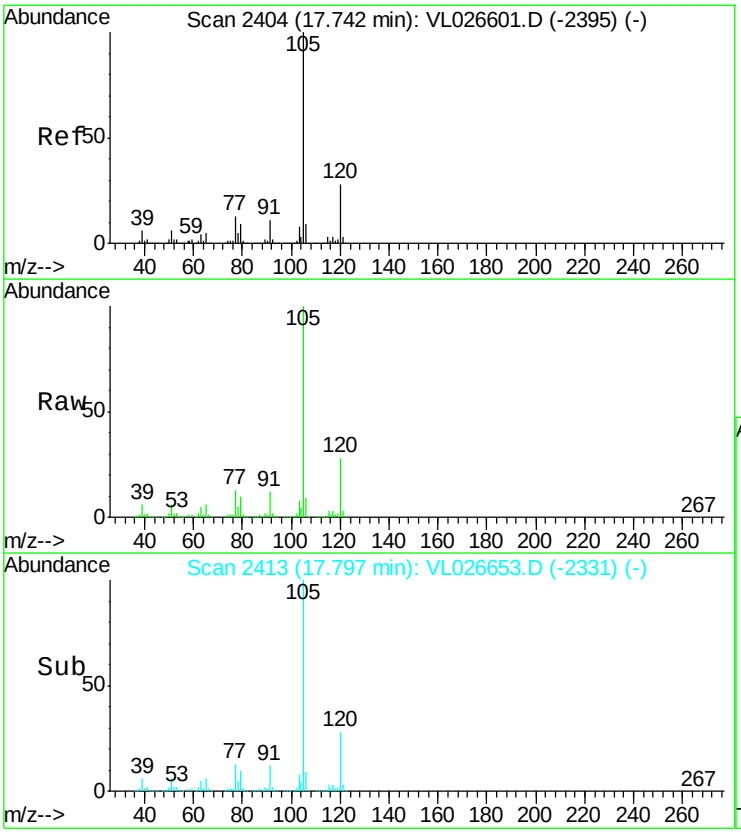
#71
2-Chlorotoluene
Concen: 10.86 ppbv
RT: 17.41 min Scan# 2349
Delta R.T. 0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 7419733

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.4	45.8

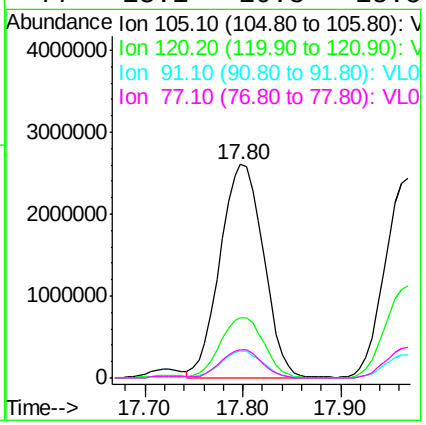


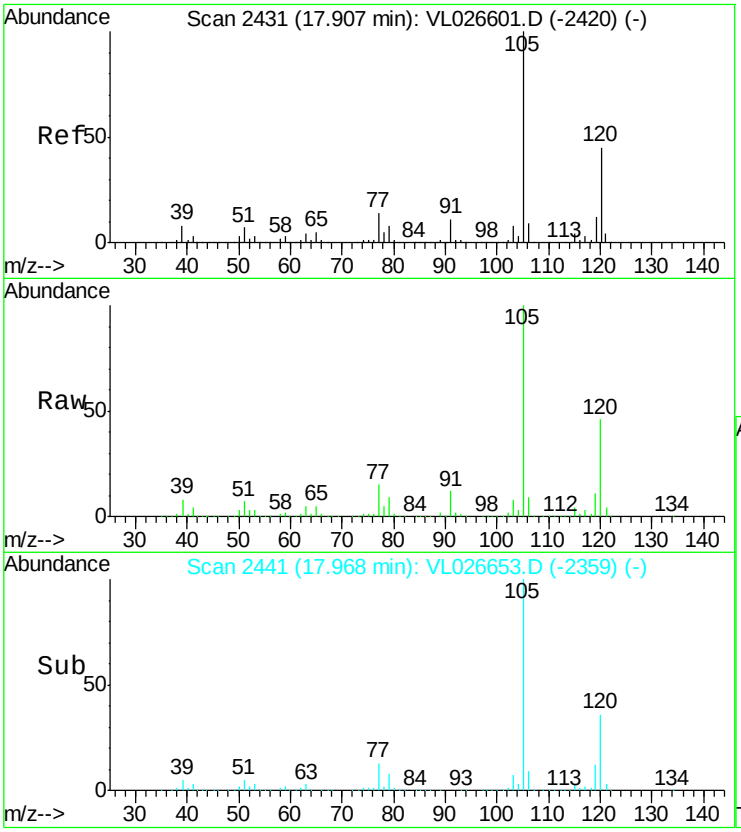


#72
4-Ethyltoluene
Concen: 10.93 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:105 Resp: 8018511

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.8	35.6
91	12.4	9.5	14.3
77	13.1	10.3	15.5



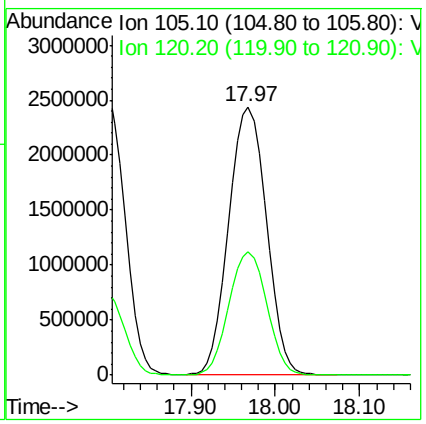


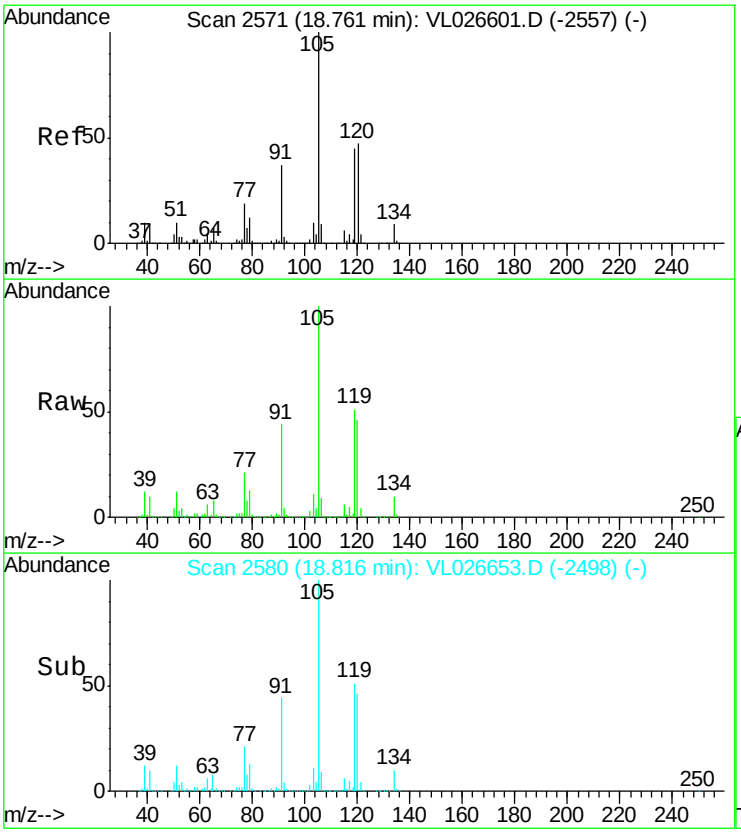
#73
1,3,5-Trimethylbenzene
Concen: 11.01 ppbv
RT: 17.97 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 7425592

Ion	Ratio	Lower	Upper
105	100		
120	46.0	36.6	54.8

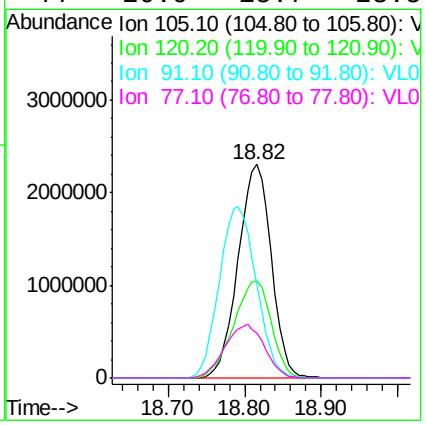


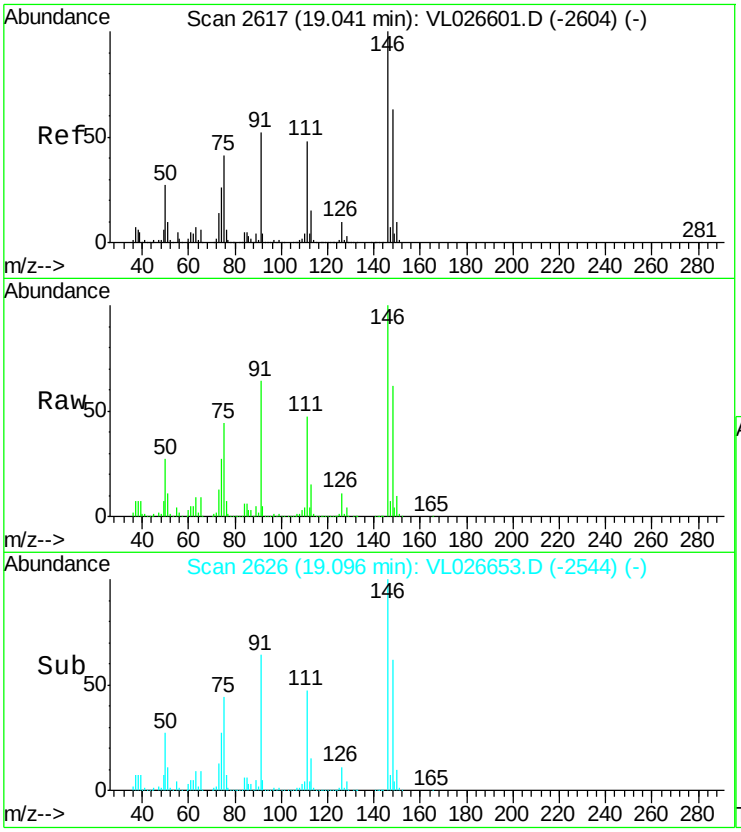


#74
1,2,4-Trimethylbenzene
Concen: 10.60 ppbv
RT: 18.82 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:105 Resp: 6966468

Ion	Ratio	Lower	Upper
105	100		
120	45.6	36.6	55.0
91	43.8	32.5	48.7
77	20.9	15.7	23.5



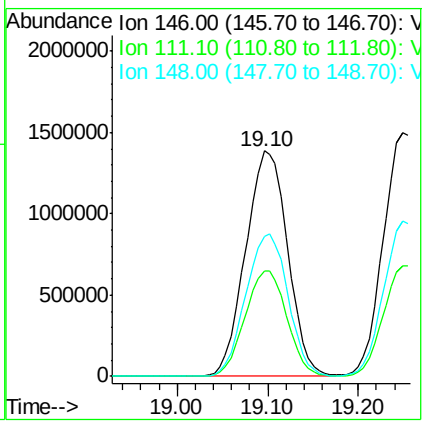


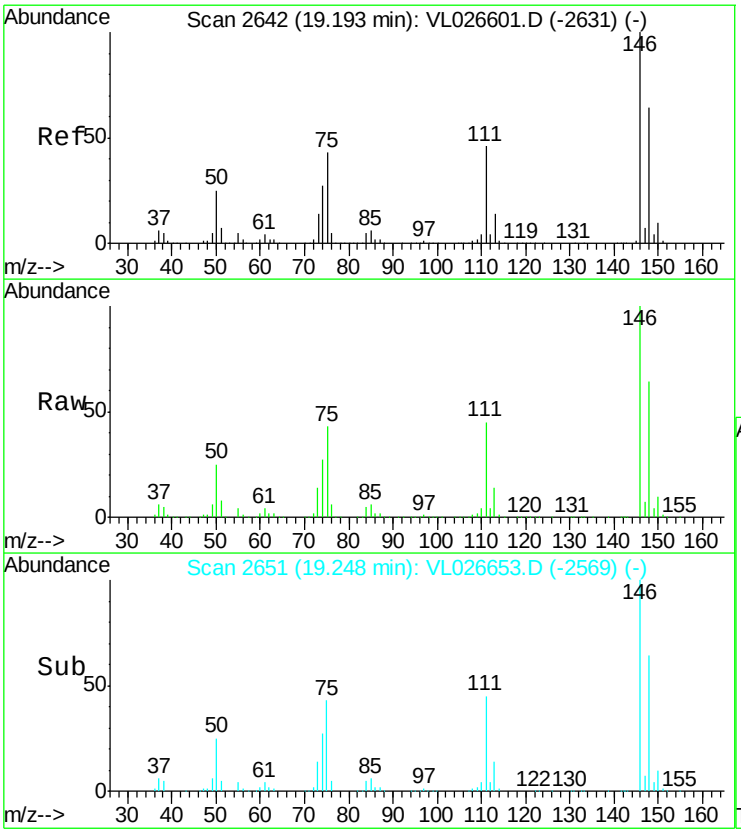
#75
1,3-Dichlorobenzene
Concen: 10.86 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 4446774

Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.9	68.5
148	63.5	31.6	95.0

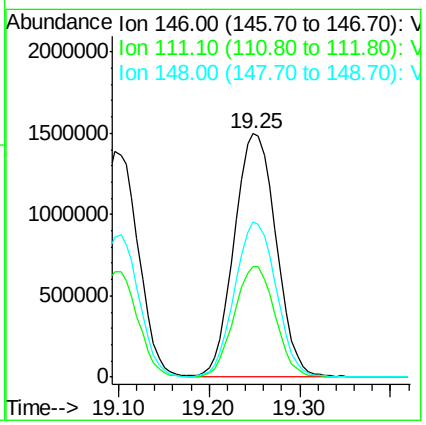


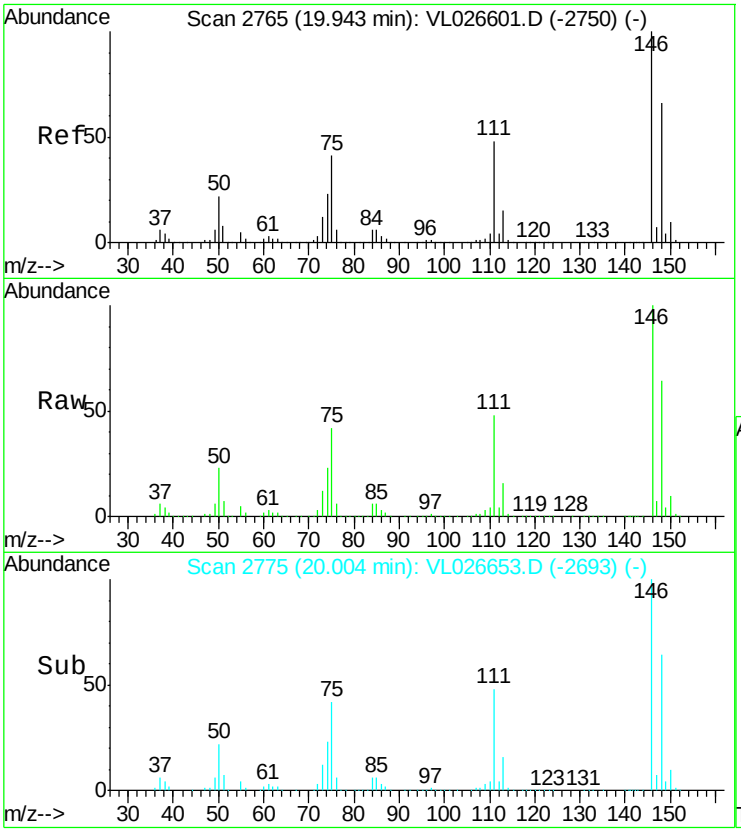


#76
1,4-Dichlorobenzene
Concen: 11.06 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:146 Resp: 4764037

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.8
148	63.8	31.9	95.9



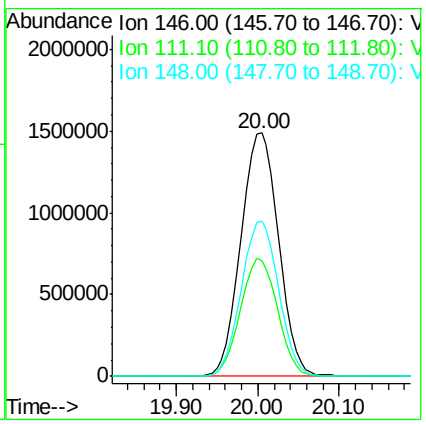


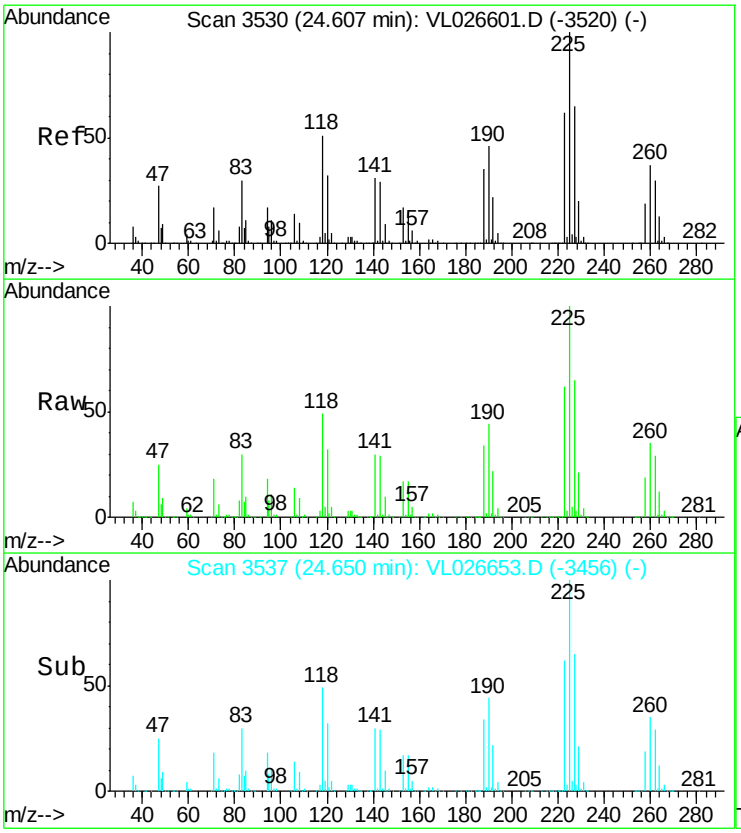
#77
1,2-Dichlorobenzene
Concen: 11.21 ppbv
RT: 20.00 min Scan# 2775
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 4792476

Ion	Ratio	Lower	Upper
146	100		
111	47.9	23.7	71.1
148	63.5	31.1	93.5

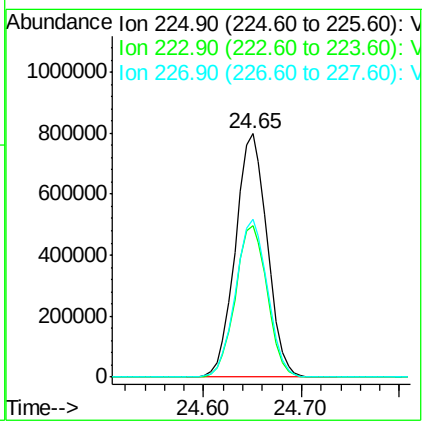


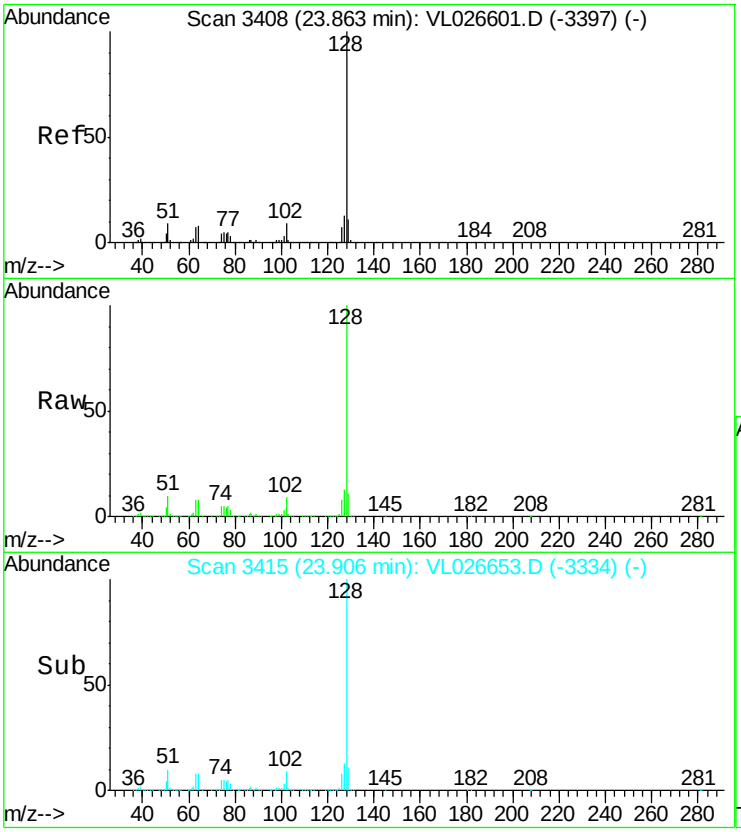


#78
Hexachloro-1,3-Butadiene
Concen: 10.55 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:225 Resp: 1798500

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	65.1	51.1	76.7



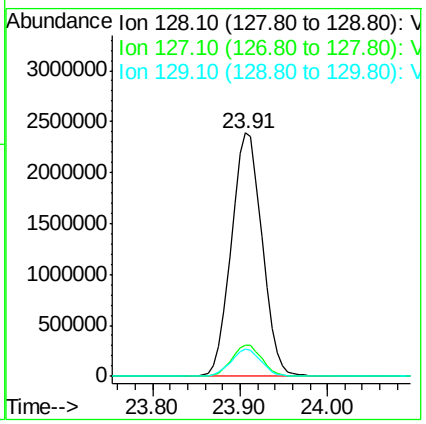


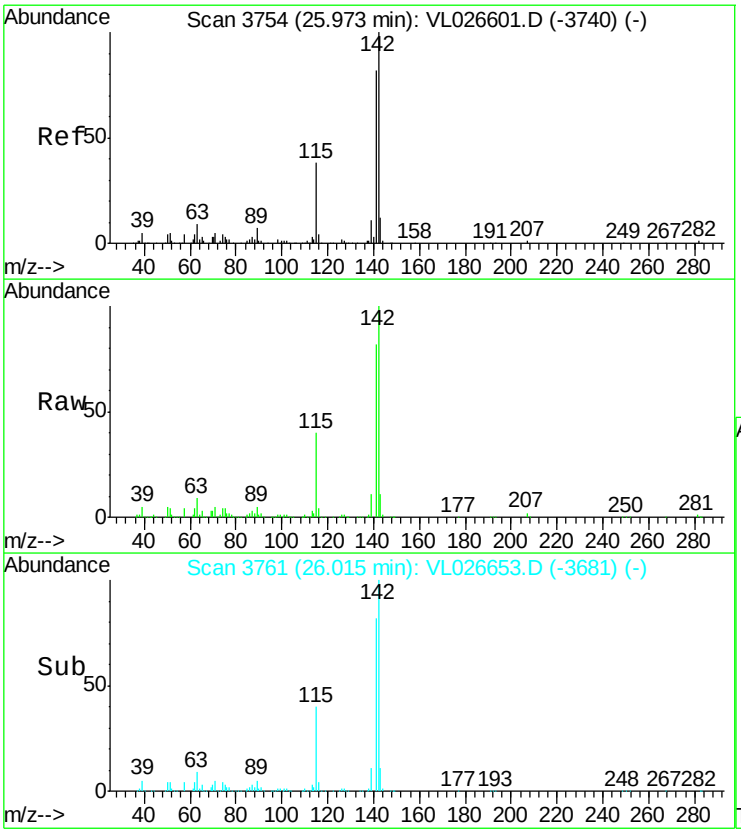
#79
Naphthalene
Concen: 11.38 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 5852747

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.8
129	11.2	8.9	13.3

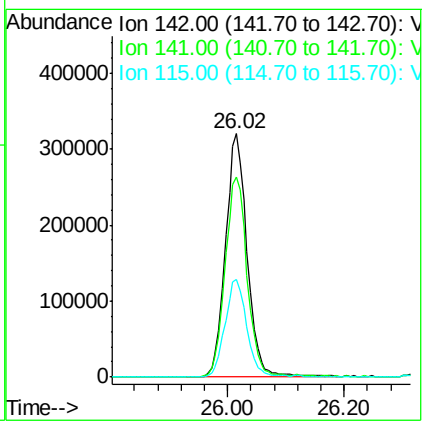


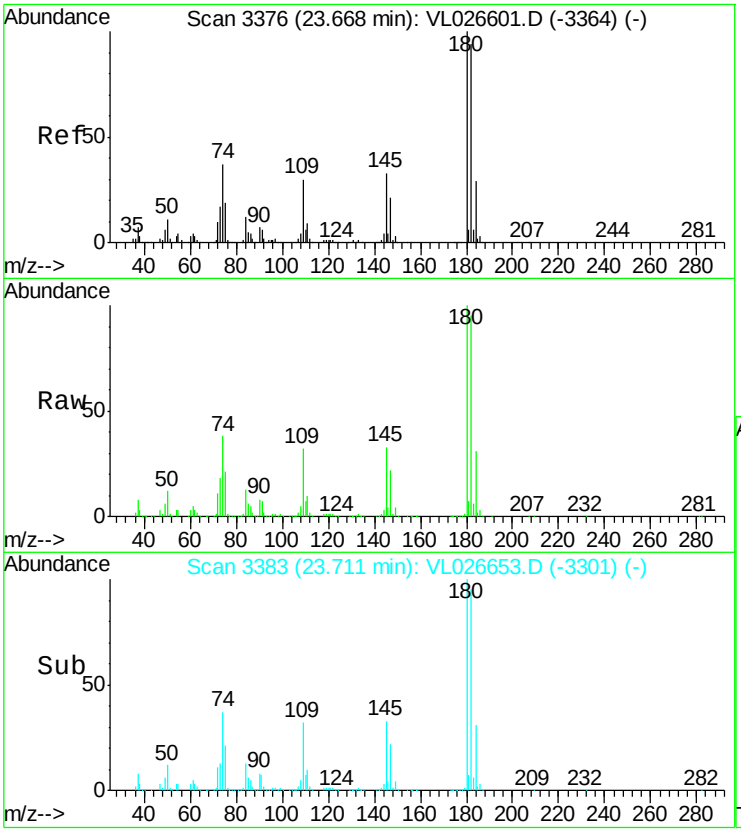


#80
Naphthalene,2-methyl-
Concen: 6.31 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Tgt Ion:142 Resp: 828078

Ion	Ratio	Lower	Upper
142	100		
141	85.1	66.8	100.2
115	41.3	24.7	37.1#





#81
1,2,4-Trichlorobenzene
Concen: 11.31 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL026653.D
Acq: 8 Jan 2016 19:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2510688

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.5	113.3
184	30.3	24.1	36.1